



**Department of
Environmental
Conservation**

MEEKER AVENUE PLUME TRACKDOWN SITE

**SOIL VAPOR INTRUSION DATA SUMMARY REPORT
2020/2021 HEATING SEASON**

WORK ASSIGNMENT No. D009803-02.2

**MEEKER AVENUE PLUME TRACKDOWN
GREENPOINT/EAST WILLIAMSBURG
INDUSTRIAL AREA, BROOKLYN**

**SITE NO. 224121
KINGS COUNTY, NY**

Prepared for:
NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
625 Broadway, Albany, New York

Basil Seggos, Commissioner

DIVISION OF ENVIRONMENTAL REMEDIATION
Remedial Bureau B

AECOM USA, Inc.
One John James Audubon Parkway
Suite 210
Amherst, New York 14228

July 2021

**SOIL VAPOR INTRUSION DATA SUMMARY REPORT
2020/2021 HEATING SEASON
FOR THE
MEEKER AVENUE PLUME TRACKDOWN SITE
SITE ID NO. 224121
BOROUGH OF BROOKLYN, KINGS COUNTY, NEW YORK**

PREPARED FOR:

**NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
REMEDIAL BUREAU B
WORK ASSIGNMENT NUMBER D009803-02.2**

Prepared By:

**AECOM USA, INC.
ONE JOHN JAMES AUDUBON PARKWAY, SUITE 210
AMHERST, NEW YORK 14228**

JULY 2021

**MEEKER AVENUE PLUME TRACKDOWN SITE
SOIL VAPOR INTRUSION DATA SUMMARY REPORT
2020/2021 HEATING SEASON**

TABLE OF CONTENTS

	<u>Page No.</u>
LIST OF ACRONYMS AND ABBREVIATIONS	iii
1.0 INTRODUCTION	1-1
1.1 Site Description and History	1-1
2.0 FIELD INVESTIGATION ACTIVITIES.....	2-1
2.1 Structure Sampling Questionnaire and Building Inventory	2-2
2.1.1 Indoor Air and Outdoor Air Sampling.....	2-2
2.1.2 Subslab Soil Vapor Sampling.....	2-3
2.2 Sample Analysis.....	2-4
3.0 RESULTS OF THE INVESTIGATION.....	3-1
3.1 Data Validation and Data Usability Summary Report.....	3-1
3.2 Soil Vapor Intrusion Investigation Sampling Results	3-1
3.2.1 Matrix A Evaluation	3-5
3.2.2 Matrix B Evaluation	3-5
3.2.3 Matrix C Evaluation	3-6
4.0 FUTURE ACTIVITIES	4-1
5.0 REFERENCES	5-1

TABLES
(Following Text)

Table 1	Summary of Parameters Analyzed In Subslab Soil Vapor, Indoor Air and Outdoor Air by USEPA Method TO-15
Table 2	Summary of Detected Compounds in 2020/2021 Heating Season SVI Samples

FIGURES
(Following Tables)

Figure 1	Site Location Map
Figure 2	Site Investigation Area

APPENDICES
(Following Figures)

Appendix A	Data Usability Summary Reports
Appendix B	NYSDOH Soil Vapor/Indoor Air Decision Matrices
Appendix C	NYSDOH Air Guidelines

LIST OF ACRONYMS AND ABBREVIATIONS

2,2,4-TMP	2,2,4-trimethylpentane
1,1,1-TCA	1,1,1-trichloroethane
1,2,4-TMB	1,2,4-trimethylbenzene
1,1-DCE	1,1-dichloroethene, aka 1,1-dichloroethylene
ACRIS	Automated City Register Information System
AECOM	AECOM USA, Inc.
aka	also known as
ASP	Analytical Services Protocol
cis-1,2-DCE	cis-1,2-dichloroethene, aka cis-1,2-dichloroethylene
COC	chain-of-custody
DUSR	Data Usability Summary Report
ELAP	Environmental Laboratory Approval Program
in. Hg	inches of mercury
L/min	liters per minute
MeCl	methylene chloride, aka dichloromethane
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
PCE	perchloroethene, aka tetrachloroethene or tetrachloroethylene or perchloroethylene
PID	photoionization detector
ppb	part per billion
SSDS	subslab depressurization system
SVI	soil vapor intrusion
TCE	trichloroethene, aka trichloroethylene
$\mu\text{g}/\text{m}^3$	micrograms per cubic meter
USEPA	United States Environmental Protection Agency
VC	vinyl chloride
VOCs	volatile organic compounds

1.0 INTRODUCTION

This Data Summary Report has been prepared to summarize the field activities and analytical results associated with the 2020/2021 heating season soil vapor intrusion (SVI) sampling performed by AECOM USA, Inc. (AECOM) at the Meeker Avenue Plume Trackdown Site (Site ID No. 224121) in Brooklyn, Kings County, New York (Figure 1). This report presents data and information from the 2020/2021 heating season SVI sampling for volatile organic compounds (VOCs), which was conducted from March 10, 2021 to March 29, 2021.

1.1 Site Description and History

The Meeker Avenue Plume Trackdown Site (Site) investigation area (Figure 2) is located in a region of historical petroleum refining and storage operations that occupied a significant portion of the Greenpoint area. By 1870, over 50 refineries were located along the banks of Newtown Creek. Currently, bulk oil storage terminals exist north of the site and include the British Petroleum (BP) Terminal and ExxonMobil Brooklyn Terminal. The former Paragon Oil facility was located along the northeastern portion of the Meeker Avenue Plume Trackdown Site along Newtown Creek, north of Bridgewater Street, between Meeker Avenue and Apollo Street. Peerless Importers, Incorporated (Inc.), is currently located on a portion of the former Paragon Oil facility along Newtown Creek.

In September 1978, the United States Coast Guard noted the signs of an oil spill entering Newtown Creek from the northeastern end of Meeker Avenue. A subsequent investigation concluded that the area of the spill under the Greenpoint/East Williamsburg Industrial Area was in excess of 52 acres and the total spill volume, as estimated in 1979, was approximately 17 million gallons of petroleum products (Roux, October 14, 2005). The current BP property was determined to be the source of the petroleum free product plume. Investigation and remediation activities were conducted by Roux Associates, Inc. (Roux) on behalf of ExxonMobil from 1990 to the present and have further defined the extent of the Off-Site Plume. The Off-Site Plume area consists of the area underlain by the petroleum-free product plume that is not on the BP Terminal or the Peerless Importers, Inc. properties. Currently, the extent of the Off-Site Plume area is less than what it was in 1990 due to the operation of the Off-Site Free Product Recovery System (Off-Site System). The Off-Site System has recovered over 6.8 million gallons of free product since it became operational in 1995 (Roux, August 13, 2014).

Based on the results of several investigations conducted in the greater Meeker Avenue Plume Trackdown area, chlorinated solvents including PCE and trichloroethene (TCE) were found in soil vapor, soil, and groundwater in areas outside the historical petroleum ExxonMobil spill. As these chemicals are

not related to petroleum, the NYSDEC initiated the Meeker Avenue Plume Trackdown Site investigation in order to determine the source(s) of this contamination.

The original Meeker Avenue Plume Trackdown Site investigation area was bounded by the former ExxonMobil Brooklyn Terminal/ BP Terminal to the north (Norman Avenue/Bridgewater Street), Newtown Creek to the east, Lombardy Street to the south, and Kingsland Avenue to the west. During the first phase of Site Characterization (SC) fieldwork (May 7 through July 10, 2007), the southern boundary of the Site investigation area along Lombardy Street between Porter and Morgan Avenues was extended three blocks south to Richardson Street. During the second phase of SC fieldwork (November 5 through December 27, 2007), the southern boundary of the Site investigation area along Richardson Street between Vandervoort and Morgan Avenues was extended one block south to Frost Street. During the third phase of SC fieldwork (May 5 through July 24, 2008), the southern boundary was additionally extended one block south to Withers Street between Vandervoort and Morgan Avenues. In addition, the boundary in the northwestern corner of the Site investigation area was extended west from Kingsland Avenue between Norman and Nassau Avenues to Monitor Street.

A review of historical data during the fourth phase of SC fieldwork (November 3 through December 8, 2008) indicated that several additional potential sources of chlorinated solvent contamination may exist north of Norman Avenue, between Kingsland Avenue and Monitor Street. Therefore, the boundary in the northwestern corner of the Site investigation area was extended approximately one block north of Norman Avenue, between Kingsland Avenue and Monitor Street.

The Site boundary was once again expanded for the Phase VI SC field activities due to data obtained during the Groundwater Split Sampling Event, which was performed in November 2009 (URS, February 2010a). The data indicated the presence of a potential source of chlorinated solvents, including PCE and TCE, in groundwater originating to the west-southwest of the investigation area. The southwest corner of the Site investigation area was extended west to Kingsland Avenue between Driggs Avenue and Frost Street. The current Site investigation area is shown in Figure 2.

Land use within the Meeker Avenue Plume Trackdown Site investigation area is a mixture of residential and manufacturing, including both commercial and industrial facilities. The areas located north of Nassau Avenue, east of Van Dam Street, and south of Meeker Avenue are primarily used for manufacturing purposes. Residential areas are located in both the northwestern portion of the Site (extending from Van Dam Street between Nassau and Meeker Avenues, to the western site boundary) and within the southern portion of the Site (along Beadel Street from Morgan to Porter Avenues, along Vandervoort Avenue from Lombardy Street to Division Place, and along Kingsland Avenue from Meeker

Avenue to Frost Street). The targeted area for the 2020/2021 heating season SVI sampling is shown on Figure 2.

2.0 FIELD INVESTIGATION ACTIVITIES

The 2020/2021 heating season SVI sampling was conducted from March 10 through March 29, 2021. The activities conducted during the SVI sampling event consisted of community outreach, fieldwork and report. The outreach and fieldwork for this task included the following activities:

- The NYSDEC and New York State Department of Health (NYSDOH) notified building owners and/ or residents of the SVI investigation by mail. AECOM prepared a mailing list base on property information from the New York City Automated City Register Information System (ACRIS) and mailed out the NYSDEC and NYSDOH letters to each address in the target area.
- Owners that contacted the NYSDEC in response to the letters were subsequently contacted by AECOM representatives.
- AECOM representatives canvassed the outreach area by going door-to-door to identify potential participants for the SVI sampling program. Tenants were requested to provide AECOM with the owner contact information. Sampling was only performed with the owner's approval.
- AECOM scheduled appointments for indoor air sampling with the participating owner or tenants. The locations sampled were within the area shown on Figure 2.
- AECOM conducted interviews with owners/tenants and completed NYSDEC's *Structure Sampling Questionnaire and Building Inventory* forms.
- Sampling was conducted following the procedures described in *Guidance for Evaluating Soil Vapor Intrusion in the State of New York, Final*, [NYSDOH, October 2006 (updated May 2017)]. Each unit investigated consisted of a minimum of an indoor air sample from the lowest level and a subslab soil vapor sample.
- A minimum of one outdoor air sample was collected per sampling day.
- All indoor air, outdoor air, and subslab soil vapor samples were analyzed for VOCs following United States Environmental Protection Agency (USEPA) *Compendium Method TO-15, Determination of VOCs in Air Collected in Specially Prepared Canisters and Analyzed by Gas Chromatography/Mass Spectrometry (GC/MS)* (USEPA, January 1999). All VOCs were reported in micrograms per cubic meter ($\mu\text{g}/\text{m}^3$). Trichloroethene, cis-1,2-dichloroethene, 1,1-dichloroethene, carbon tetrachloride and vinyl chloride in all indoor and outdoor air samples were analyzed to a minimum detection limit of $0.20 \mu\text{g}/\text{m}^3$.

- AECOM conducted an inventory of chemicals present in each residence and evaluated their potential to affect air sample results using a RAE Systems ppbRAE 3000 part-per-billion (ppb) range photoionization detector (PID).
- Field duplicate samples were collected as follows:
 - H-106-SS (FD-031721-1);
 - H-106-BA (FD-031721-2);
 - H-109-SS (FD-031821-1); and
 - H-109-IA (FD-031821-2).

For continuity, AECOM continued with the previous sampling numbering system for new locations, starting with H-85.

2.1 Structure Sampling Questionnaire and Building Inventory

AECOM interviewed an owner, resident or manager of each building and completed a *Structure Sampling Questionnaire and Building Inventory* form. As part of the interview process AECOM personnel also conducted and completed an inventory of chemicals found in each unit. A ppb PID was used to screen the indoor air and identify potential sources of VOCs from chemicals prior to collecting the air samples. PID readings were obtained for each individual container by placing the PID as close to the cap or nozzle as possible without touching or opening the container. The PID was also used to survey potential entry points such as cracks in the concrete slab.

2.1.1 Indoor Air and Outdoor Air Sampling

AECOM selected the indoor air sampling locations in consultation with the owner/tenant. Where possible, the indoor air locations were placed in a central area of the room in the breathing zone (approximately three feet above the floor). An outdoor air sample (a minimum of one per day) was set up upwind of the sampling location(s).

The indoor air and outdoor air samples were collected using batch certified clean laboratory evacuated 6-liter Summa[®] canisters. Commercial locations were sampled using eight hour laboratory calibrated flow regulators. Twenty-four hour laboratory-calibrated flow regulators were used for residential locations and 8-hour laboratory-calibrated flow regulators were used for commercial locations. The regulators were calibrated at the flow rate of approximately 0.012 or 0.004 liters per minute (L/min), respectively. Upon opening the canister valve, the initial vacuum pressure was read from the built-in gauge on the flow controller and recorded onto a summa canister field log. After the 8 or 24 hour sampling period,

the canister vacuum was recorded on the *Structure Sampling Questionnaire and Building Inventory* form and the valve was then closed.

2.1.2 Subslab Soil Vapor Sampling

AECOM selected the subslab soil vapor sampling locations in consultation with the owner/tenant. The locations were selected in areas without subsurface utilities, based on the owner/tenant knowledge and visual observations. At the subslab sample locations, an electric hammer drill was used to advance a 3/8-inch diameter hole through the concrete slab. The concrete slab was determined to be penetrated when no resistance was encountered. The drill bit was then advanced several more inches into the underlying material. Upon removing the drill bit, the hole was immediately blocked and the spoils were examined for wetness. All debris was removed using a hand brush to prevent it from re-entering the hole after unblocking. The subslab samples were collected using approximately 3 feet of a 1/8-inch inside diameter by 1/4-inch outside diameter Teflon tubing which was inserted through the hole in the slab. The tubing was sealed to the floor with modeling clay.

A helium tracer gas was utilized during the sampling of each subslab soil vapor location. The tracer gas was used to evaluate whether indoor (ambient) air was short circuiting into the sample collection tubing. To perform the test, a one quart plastic enclosure was placed over the sealed subslab sample location. The sample tubing was run through a hole in the enclosure and a silicone gasket was used to seal the interface between the tubing and the enclosure. The enclosure was then sealed at the ground surface with a foam gasket. A tank containing ultra-high purity helium [99.999 percent (%)] was connected to the side port of the enclosure and enough helium was released to displace any ambient air and to maintain a positive pressure within the enclosure. Following the application of the tracer gas, one liter of soil vapor was purged using a Gillian GilAir-3 air sample pump at a rate of approximately 0.02 L/min and collected into a 1-liter Tedlar bag.

The contents of the Tedlar bag were measured for helium using a Radiodetection/Dielectric MGD-2002 Multi-gas Detector and for VOCs with a PID. If the helium concentration was less than 10%, the enclosure was removed and the tubing was connected to the Summa[®] canister via the flow controller and sampling commenced. If the concentration of helium exceeded 10%, the clay seal between the sample tubing and the concrete slab was redone and the seal was retested. After the subslab sample locations passed the helium test, the sample collection was initiated. The purged soil vapor remaining in the Tedlar bag was subsequently discharged outdoors.

The subslab samples were collected over an 8-hour (commercial locations) or 24-hour (residential locations) period using batch certified 6-liter Summa[®] canisters equipped with flow controller valves pre-

calibrated at the laboratory. Upon opening the canister valve, the initial vacuum pressure was read from the built-in gauge on the flow controller and recorded onto a Summa Canister Sampling log. After the 8 or 24 hour sampling period, the canister vacuum was recorded and the valve was then closed. The tubing was removed and the subslab sample point was then filled to grade with hydraulic cement. Note, subslab samples were not collected at locations H-80 and H-104 because subslab depressurization systems (SSDS) were previously installed at these locations.

2.2 Sample Analysis

All air samples were shipped via Federal Express by AECOM under chain-of-custody (COC) to the NYSDEC call-out laboratory Eurofins TestAmerica, located in Knoxville, TN and analyzed for the VOCs listed in Table 1. Eurofins TestAmerica, Knoxville is a NYSDOH Environmental Laboratory Approval Program (ELAP) certified laboratory for the analysis of VOCs by USEPA Method TO-15.

3.0 RESULTS OF THE INVESTIGATION

3.1 Data Validation and Data Usability Summary Report

The data packages submitted by the laboratory were equivalent to the NYSDEC's Analytical Services Protocol (ASP) Category B Deliverable requirements. A Data Usability Summary Reports (DUSR) were prepared by Validata Chemical Services, Inc. (Duluth, GA) following the guidelines provided in Department of Environmental Remediation *DER-10 Technical Guidance for Site Investigation and Remediation, Appendix 2B, Guidance for Data Deliverables and the Development of Data Usability Summary Reports* (May 2010). The complete validated analytical results and Form 1s are provided in the DUSRs (Appendix A).

3.2 Soil Vapor Intrusion Investigation Sampling Results

A summary of detected VOCs in the 2020/2021 Heating Season SVI samples collected from 29 locations is presented in Table 2. More than one indoor air and/or subslab soil vapor samples were collected at several of the commercial locations. Thirty three subslab soil vapor samples were collected from 27 locations, 40 indoor air samples were collected from 29 locations and 16 outdoor air samples were collected. At locations where a sample and a field duplicate are collected, the higher value is used for the evaluation of soil vapor intrusion.

Not all of the compounds summarized below are addressed by the current NYSDOH guidance action matrices or indoor air guidelines (NYSDOH, 2006, updated in 2017). A copy of the NYSDOH Soil Vapor/Indoor Air Decision Matrices is provided in Appendix B. NYSDOH Air Guidelines are provided in Appendix C.

Per the NYSDOH, the decision matrix is used to evaluate the following compounds:

- Matrix A – trichloroethene (TCE), carbon tetrachloride, 1,1-dichloroethene (1,1-DCE) and cis-1,2-dichloroethene (cis-1,2-DCE);
- Matrix B – 1,1,1-trichloroethane (1,1,1-TCA), tetrachloroethene (PCE) and methylene chloride (MeCl);
- Matrix C – vinyl chloride (VC).

The NYSDOH Air Guidelines for VOCs in indoor air include only TCE, PCE and MeCl.

TCE was detected in indoor air at 5 of the 29 buildings sampled. Concentrations ranged from 0.32 $\mu\text{g}/\text{m}^3$ (H-80-IA-BSMT-1 and H-104-IAB) to 7.1 $\mu\text{g}/\text{m}^3$ (H-107-IAA). TCE was detected in 13 of the 27 buildings where subslab soil vapor samples were collected, at concentrations ranging between 0.22 $\mu\text{g}/\text{m}^3$

(H-110-SS) and 29,000 $\mu\text{g}/\text{m}^3$ (H-107-SSA). TCE was not detected in any outdoor air samples. Of all samples, only 1 of the 29 indoor air sample locations exceeded the NYSDOH Air Guidelines of 2 $\mu\text{g}/\text{m}^3$ (H-107-IAA, 7.1 $\mu\text{g}/\text{m}^3$), but was below the Immediate Action Level of 20 $\mu\text{g}/\text{m}^3$.

Carbon tetrachloride was detected in 26 of the 29 indoor air locations, at concentrations ranging from 0.40 $\mu\text{g}/\text{m}^3$ (H-80-IA-BR-1) to 0.63 $\mu\text{g}/\text{m}^3$ (H-103-IA) and in 17 of the 27 subslab soil vapor sample locations, at concentrations ranging from 0.20 $\mu\text{g}/\text{m}^3$ (H-95-SSB) to 3.0 $\mu\text{g}/\text{m}^3$ (H-110-SS). Carbon tetrachloride was detected in all 16 outdoor air sample locations, at concentrations ranging from 0.26 $\mu\text{g}/\text{m}^3$ (H-104-OA) to 0.58 $\mu\text{g}/\text{m}^3$ (H-110-OA).

cis-1,2-DCE was not detected in any indoor or outdoor air samples. It was detected in 1 of the 27 subslab soil vapor sample locations, at a concentration of 1.2 $\mu\text{g}/\text{m}^3$ (H-91-SSB).

1,1-DCE was not detected in any indoor or outdoor air samples. It was detected in 1 of the 27 subslab soil vapor sample locations, at a concentration of 1.2 $\mu\text{g}/\text{m}^3$ (H-110-SS).

1,1,1-TCA was not detected in any indoor or outdoor air samples. It was detected in 6 of the 27 subslab soil vapor sample locations at concentrations ranging from 0.90 $\mu\text{g}/\text{m}^3$ (H-105-SS) to 13 $\mu\text{g}/\text{m}^3$ (H-86-SSA).

PCE was detected in 20 of the 29 indoor air sample locations, at concentrations ranging from 0.61 $\mu\text{g}/\text{m}^3$ (H-102-IA) to 18 $\mu\text{g}/\text{m}^3$ (H-80-IA-BR-1). PCE was detected in 21 of the 27 subslab soil vapor sample locations, at concentrations ranging from 0.61 $\mu\text{g}/\text{m}^3$ (H-89-SS) and 1,100 $\mu\text{g}/\text{m}^3$ (H-97-SS). PCE was detected in 3 of the 16 outdoor air sample locations, at concentrations 1.9 $\mu\text{g}/\text{m}^3$ (H-104-OA), 1.8 $\mu\text{g}/\text{m}^3$ (H-91-OA), and 0.97 $\mu\text{g}/\text{m}^3$ (H-92-OA). All indoor PCE detections were below the NYSDOH Air Guideline of 30 $\mu\text{g}/\text{m}^3$.

MeCl was detected in 26 of the 29 indoor air sample locations, at concentrations ranging from 1.4 $\mu\text{g}/\text{m}^3$ (H-110-IA) to 4,400 $\mu\text{g}/\text{m}^3$ (H-85-IA). MeCl was detected in 17 of the 27 subslab soil vapor sample locations, at concentrations ranging from 1.5 $\mu\text{g}/\text{m}^3$ (H-105) to 1,400 $\mu\text{g}/\text{m}^3$ (H-87). MeCl was detected in 13 of the 16 outdoor air sample locations, at concentrations ranging from 1.4 $\mu\text{g}/\text{m}^3$ (H-98-OA and H-109-OA) to 9.9 $\mu\text{g}/\text{m}^3$ (H-97-OA). Of all samples, 4 of the 29 indoor MeCl locations exceeded the NYSDOH Air Guidelines of 60 $\mu\text{g}/\text{m}^3$ (H-85-IA, H-87IAA and H-87-IAB, H-90-IAB and H-106-FF).

VC was not detected in any indoor or outdoor air samples. VC was detected in 25 of the 27 subslab soil vapor sample locations, at concentrations ranging from 0.23 $\mu\text{g}/\text{m}^3$ (H-95-SSB) to 5.3 $\mu\text{g}/\text{m}^3$ (H-110-SS).

Several other VOCs were also detected in the SVI samples collected at the site. Of note were the following:

- 1,2,4-Trimethylbenzene (1,2,4-TMB) – 1,2,4-TMB was detected in 20 of the indoor air sample locations, with concentrations ranging from 0.42 $\mu\text{g}/\text{m}^3$ (H-112-IA) to 43 $\mu\text{g}/\text{m}^3$ (H-90-IAA). 1,2,4-TMB was detected in 9 of the 27 subslab soil vapor sample locations, at concentrations between 1.0 $\mu\text{g}/\text{m}^3$ (H-96-SS) and 200 $\mu\text{g}/\text{m}^3$ (H-90-SSB). 1,2,4-TMB was detected in 4 of the 16 outdoor air sample locations, at concentrations ranging from 0.81 $\mu\text{g}/\text{m}^3$ (H-92-OA) to 2.6 $\mu\text{g}/\text{m}^3$ (H-91-OA).
- 1,4-Dioxane – 1,4-Dioxane was detected in 1 of the 29 indoor air sample locations, at a concentration of 72 $\mu\text{g}/\text{m}^3$ (H-90-IAB). 1,4-Dioxane was detected in 2 of the 27 subslab soil vapor sample locations, at concentrations of 1.2 $\mu\text{g}/\text{m}^3$ and 0.87 $\mu\text{g}/\text{m}^3$ (H-95-SSA and H-95-SSB, respectively) and 4.2 $\mu\text{g}/\text{m}^3$ (H-96-SS). 1,4-Dioxane was not detected in any outdoor air samples.
- Ethylbenzene – Ethylbenzene was detected in 23 of the 29 indoor air sample locations, at concentrations ranging from 0.35 $\mu\text{g}/\text{m}^3$ (H-80-IA-BR-2 and H-94-IAA) to 110 $\mu\text{g}/\text{m}^3$ (H-106-FF). Ethylbenzene was detected in 9 of the 27 subslab soil vapor sample locations, at concentrations ranging from 0.48 $\mu\text{g}/\text{m}^3$ (H-92-SS) to 17 $\mu\text{g}/\text{m}^3$ (H-90-SSB). Ethylbenzene was detected in 7 of the 16 outdoor air samples, at concentrations ranging from 0.40 $\mu\text{g}/\text{m}^3$ (H-100-OA) to 2.6 $\mu\text{g}/\text{m}^3$ (H-97-OA).
- Toluene – Every indoor air sample contained toluene, at concentrations ranging from 1.3 $\mu\text{g}/\text{m}^3$ (H-98-IA) to 780 $\mu\text{g}/\text{m}^3$ (H-106-FF). The subslab soil vapor sample concentrations of toluene detected in 17 of the 27 sample locations ranged from 0.64 $\mu\text{g}/\text{m}^3$ (H-101-SS) to 39 $\mu\text{g}/\text{m}^3$ (H-86-SSA). Toluene was detected in all outdoor air samples, at concentrations ranging from 0.54 $\mu\text{g}/\text{m}^3$ (H-98-OA) to 16 $\mu\text{g}/\text{m}^3$ (H-97-OA).
- m+p-Xylene – m+p-Xylene was detected in all indoor air sample locations, at concentrations ranging from 0.61 $\mu\text{g}/\text{m}^3$ (H-103-IA) to 410 $\mu\text{g}/\text{m}^3$ (H-106-FF). m+p-Xylene was detected in 19 of the 27 subslab soil vapor samples, at concentrations ranging from 0.37 $\mu\text{g}/\text{m}^3$ (H-110-SS) to 37 $\mu\text{g}/\text{m}^3$ (H-86-SSA). m+p-Xylene was detected in 14 of 16 outdoor air samples, at concentrations ranging from 0.41 $\mu\text{g}/\text{m}^3$ (H-99-OA) to 9.7 $\mu\text{g}/\text{m}^3$ (H-97-OA).

- o-Xylene – o-Xylene was detected in all indoor air sample locations, at concentrations ranging from 0.38 $\mu\text{g}/\text{m}^3$ (H-110-IA) to 100 $\mu\text{g}/\text{m}^3$ (H-106-FF). o-Xylene was detected in 19 of the 27 subslab soil vapor samples, at concentrations ranging from 0.35 $\mu\text{g}/\text{m}^3$ (H-95-SSB) to 47 $\mu\text{g}/\text{m}^3$ (H-90-SSB). o-Xylene was detected in 10 of 16 outdoor air samples, at concentrations ranging from 0.36 $\mu\text{g}/\text{m}^3$ (H-105-OA) to 2.7 $\mu\text{g}/\text{m}^3$ (H-97-OA).
- 2,2,4-Trimethylpentane (2,2,4-TMP) – 2,2,4-TMP was detected in 13 of the 29 indoor air sample locations, at concentrations ranging from 0.98 $\mu\text{g}/\text{m}^3$ (H-88-IA) and 1,200 $\mu\text{g}/\text{m}^3$ (H-91-IAB). 2,2,4-TMP was detected in 4 of the 27 subslab soil vapor sample locations, at concentrations ranging from 1.2 $\mu\text{g}/\text{m}^3$ (H-95-SSB) to 29 $\mu\text{g}/\text{m}^3$ (H-91-SSA). 2,2,4-TMP was detected in 5 of the 16 outdoor air samples, at concentrations ranging from 0.92 $\mu\text{g}/\text{m}^3$ (H-100-OA) to 74 $\mu\text{g}/\text{m}^3$ (H-91-OA).
- Methyl ethyl ketone (2-Butanone) – 2-Butanone was detected in 23 of the 29 indoor air sample locations, at concentrations ranging from 1.0 $\mu\text{g}/\text{m}^3$ (H-109-IA) to 140 $\mu\text{g}/\text{m}^3$ (H-85-IA). 2-Butanone was detected in 19 of the 27 subslab soil vapor sample locations, at concentrations ranging from 1.0 $\mu\text{g}/\text{m}^3$ (H-98-SS) to 32 $\mu\text{g}/\text{m}^3$ (H-97-SS). 2-Butanone was detected in 9 of the 16 outdoor air samples, at concentrations ranging from 0.98 $\mu\text{g}/\text{m}^3$ (H-80-OA) to 3.5 $\mu\text{g}/\text{m}^3$ (H-91-OA).
- Ethanol – Every indoor air sample contained ethanol; concentrations ranged from 19 $\mu\text{g}/\text{m}^3$ (H-80-IA-BSMT-1) to 4,300 $\mu\text{g}/\text{m}^3$ (H-87-IAA). Ethanol was detected in 21 of the 27 subslab soil vapor sample locations, at concentrations ranging from 5.3 $\mu\text{g}/\text{m}^3$ (H-89-SS) to 1,300 $\mu\text{g}/\text{m}^3$ (H-87-SSA). Ethanol was detected all 6 outdoor air samples with concentrations ranging from 6.4 $\mu\text{g}/\text{m}^3$ (H-104-OA) to 100 $\mu\text{g}/\text{m}^3$ (H-91-OA).
- n-Hexane – n-Hexane was detected in 26 of the 29 indoor air sample locations, at concentrations ranging from 0.75 $\mu\text{g}/\text{m}^3$ (H-94-IAA) to 81 $\mu\text{g}/\text{m}^3$ (H-85-IA). n-Hexane was detected in 15 of the 27 subslab soil vapor locations, at concentrations ranging from 0.70 $\mu\text{g}/\text{m}^3$ (H-89-SS and H-93-SS) to 150 $\mu\text{g}/\text{m}^3$ (H-97-SS). n-Hexane was detected in 9 of 16 outdoor air sample locations with concentrations ranging from 0.69 $\mu\text{g}/\text{m}^3$ (H-106-OA) to 7.4 $\mu\text{g}/\text{m}^3$ (H-91-OA).
- Styrene – Styrene was detected in 12 of the 29 indoor air sample locations, at concentrations ranging from 0.40 $\mu\text{g}/\text{m}^3$ (H-107-IAB) to 320 $\mu\text{g}/\text{m}^3$ (H-80-IA-BR-1). Styrene was detected in 1 of the 27 subslab soil vapor locations, at a concentration of 0.40 $\mu\text{g}/\text{m}^3$ (H-94-SS). Styrene

was detected in 2 of the 16 outdoor air sample locations, at concentrations of 3.6 $\mu\text{g}/\text{m}^3$ (H-80-OA) and 0.39 $\mu\text{g}/\text{m}^3$ (H-91-OA).

The analytical results were compared against the product inventories. Products most commonly encountered were household cleaning agents, paints and insecticides. No products were removed prior to sampling.

Using NYSDOH decision Matrix A, B, and C, and the compounds listed by the NYSDOH, the recommended actions for the locations sampled are as follows:

3.2.1 Matrix A Evaluation

- The concentration of Matrix A compound TCE in the indoor air and/or subslab soil vapor at locations H-95, H-106, and H-107 resulted in a “Mitigate” recommendation. The concentration of TCE in the indoor air and subslab soil vapor at location H-112 resulted in a “Monitor” recommendation. All other locations fell under the “No further action” recommendation because TCE was only detected in the indoor air or subslab soil vapor at concentrations below Matrix A action values. TCE was not detected in the outdoor air.
- None of the detected concentrations for the following Matrix A compounds (i.e., cis-1,2-DCE, 1,1-DCE, and carbon tetrachloride) resulted in a “Mitigate”, “Identify Source(s) and Resample or Mitigate”, or “Monitor” recommendation.
- Subslab soil vapor samples were not collected at locations H-80 and H-104, since SSDS have been previously installed and are currently operating at these locations. The concentrations of TCE in H-80 (0.32 $\mu\text{g}/\text{m}^3$) and H-104 (0.32 $\mu\text{g}/\text{m}^3$) were below NYSDOH Air Guidelines of 2 $\mu\text{g}/\text{m}^3$.

3.2.2 Matrix B Evaluation

- The concentration of Matrix B compound PCE in the indoor air and subslab soil vapor at location H-97 resulted in a “Mitigate” recommendation. All other locations where PCE was detected in the indoor air and/or subslab soil vapor resulted in a “No further action” recommendation.
- The concentration of Matrix B compound MeCl in the indoor air and subslab soil vapor at location H-87 resulted in a “Mitigate” recommendation. The concentration of MeCl in the indoor air and/or subslab soil vapor at locations H-85, H-86, H-90, H-94 to H-97, H-101, H-106, and H-107 resulted in a “Identify Source (s) and Resample or Mitigate” recommendation.

Note, due to necessary dilution for TCE, the subslab soil vapor concentrations for MeCl at locations H-106 and H-107 were non-detect with an elevated detection limit, therefore the recommended action could not be definitively determined. All other locations where MeCl was detected in the indoor air and/or subslab soil vapor resulted in a “No further action” recommendation.

- None of the detected concentrations for the Matrix B compound 1,1,1-TCA were detected at concentrations that resulted in a “Mitigate”, “Identify Source(s) and Resample or Mitigate”, or “Monitor” recommendation.
- Subslab soil vapor samples were not collected at locations H-80 and H-104, since SSDS have been previously installed. All indoor air concentrations of PCE and MeCl were below the NYSDOH Air Guidelines of 30 µg/m³ and 60 µg/m³, respectively.

3.2.3 Matrix C Evaluation

- VC was not detected in any of the indoor air samples. All locations where VC was detected in the subslab soil vapor resulted in a “No further action” recommendation.

In summary, the following recommended actions were determined following the NYSDOH decision matrices:

- “Mitigate” at locations H-87 (MeCl), H-95 (TCE), H-97 (PCE), H-106 (TCE), and H-107 (TCE);
- “Monitor” at location H-112 (TCE); and
- “Identify Source(s) and Resample or Mitigate” at locations H-106 (TCE), and H-85, H-86, H-90, H-94, H-95, H-96, H-97, H-101 and H-107 (MeCl).

4.0 FUTURE ACTIVITIES

The NYSDEC and NYSDOH will further evaluate the results from the 2020/2021 heating season SVI sampling.

5.0 REFERENCES

- New York State Department of Health (NYSDOH). 2006. *Guidance for Evaluating Soil Vapor Intrusion in the State of New York*. Final. October. Revised May 2017.
- NYSDOH. 2013. New Ambient Air Guideline and Revised Fact Sheet for Tetrachloroethene. Interoffice Memorandum. September 13.
- NYSDOH. 2015. New Ambient Air Guideline and Revised Fact Sheet for Trichloroethene. Interoffice Memorandum. August.
- New York State Department of Environmental Conservation. 2010. *Guidance for Data Deliverables and the Development of Data Usability Summary Reports*. DER-10 Technical Guidance for Site Investigation and Remediation, Appendix 2B. Division of Environmental Remediation. May.
- United States Environmental Protection Agency (USEPA). 1999. *Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air*. January.

TABLES

TABLE 1
SUMMARY OF PARAMETERS ANALYZED IN SUBSLAB SOIL VAPOR, INDOOR AIR
AND OUTDOOR AIR BY USEPA METHOD TO-15
MEEKER AVENUE PLUME TRACKDOWN 3 SITE

Compound	Detection Limit	Compound	Detection Limit
1,1,1-Trichloroethane	0.44	Bromomethane	0.31
1,1,2,2-Tetrachloroethane	0.55	Carbon tetrachloride	0.20
1,1,2-Trichloro-1,2,2-trifluoroethane	0.61	Chlorobenzene	0.37
1,1,2-Trichloroethane	0.44	Chloroethane*	0.21
1,1-Dichloroethane*	0.32	Chloroform	0.39
1,1-Dichloroethene*	0.16	Chloromethane	0.41
1,2,4-Trichlorobenzene	0.59	Cyclohexane	0.69
1,2,4-Trimethylbenzene	0.39	Dibromochloromethane	0.68
1,2-Dibromoethane (Ethylene dibromide)	0.61	Dichlorodifluoromethane	0.40
1,2-Dichlorobenzene	0.48	Ethanol	3.8
1,2-Dichloroethane*	0.32	Ethylbenzene	0.35
1,2-Dichloroethene (cis)*	0.16	Hexachlorobutadiene	0.85
1,2-Dichloroethene (trans)*	0.32	Methyl ethyl ketone (2-Butanone)	0.94
1,2-Dichloropropane	0.37	Methyl tert-butyl ether	0.58
1,2-Dichlorotetrafluoroethane	0.56	Methylene chloride (Dichloromethane)	1.4
1,3,5-Trimethylbenzene (Mesitylene)	0.39	m+p-Xylene	0.35
1,3-Dichlorobenzene	0.48	Naphthalene	1.0
1,3-Dichloropropene (cis)	0.36	n-Hexane	0.70
1,3-Dichloropropene (trans)	0.36	o-Xylene	0.35
1,4-Dichlorobenzene	0.48	Styrene	0.34
1,4-Dioxane	0.72	tert-Butyl alcohol	0.97
2,2,4-Trimethylpentane	0.93	Tetrachloroethene*	0.54
4-Methyl-2-pentanone	0.82	Toluene	0.45
Benzene	0.26	Trichloroethene*	0.19
Benzyl chloride	0.83	Trichlorofluoromethane	0.45
Bromodichloromethane	0.54	Vinyl chloride*	0.10
Bromoform	0.83		

All units in micrograms per cubic meter ($\mu\text{g}/\text{m}^3$)

USEPA Method TO-15, VOCs in Air Collected in SUMMA[®] Canisters and Analyzed by Gas Chromatography/Mass Spectrometry (GC/MS): USEPA Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, January 1999.

* - Tetrachloroethene, trichloroethene and their breakdown products.

TABLE 2
SUMMARY OF DETECTED COMPOUNDS IN 2020/2021 HEATING SEASON SVI SAMPLES
MEEKER AVENUE PLUME TRACKDOWN SITE

Location ID		H-100-IA	H-100-OA	H-100-SS	H-101-IA	H-101-SS
Sample ID		224121-IA-100	224121-OA-100	224121-SS-100	224121-IA-101	224121-SS-101
Matrix		Indoor Air	Outdoor Air	Subslab Vapor	Indoor Air	Subslab Vapor
Depth Interval (ft)		-	-	-	-	-
Date Sampled		03/15/21	03/15/21	03/15/21	03/15/21	03/15/21
Parameter	Units					
Volatile Organic Compounds						
1,1,1-Trichloroethane	UG/M3	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/M3	0.061 U	0.061 U	0.061 U	0.061 U	0.061 U
1,1-Dichloroethane	UG/M3	0.028 U	0.028 U	1.6	0.028 U	2.5
1,1-Dichloroethene	UG/M3	0.032 U	0.032 U	0.032 U	0.032 U	0.032 U
1,2,4-Trimethylbenzene	UG/M3	0.45	0.098 U	0.098 U	0.098 U	0.098 U
1,2-Dichloroethane	UG/M3	1.4	0.040 U	5.2	0.040 U	6.9
1,2-Dichloroethene (cis)	UG/M3	0.040 U	0.040 U	0.040 U	0.040 U	0.040 U
1,2-Dichloroethene (trans)	UG/M3	0.028 U	0.028 U	0.028 U	0.028 U	0.028 U
1,2-Dichloropropane	UG/M3	0.046 U	0.046 U	0.046 U	0.046 U	0.046 U
1,3,5-Trimethylbenzene (Mesitylene)	UG/M3	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
1,4-Dichlorobenzene	UG/M3	0.096 U	0.096 U	0.096 U	0.096 U	0.096 U
1,4-Dioxane	UG/M3	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
2,2,4-Trimethylpentane	UG/M3	1.0	0.92	0.037 U	0.037 U	0.037 U
4-Methyl-2-pentanone	UG/M3	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U
Benzene	UG/M3	1.1	0.88	0.026 U	1.3	0.29
Bromodichloromethane	UG/M3	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
Bromoform	UG/M3	0.093 U	0.093 U	0.093 U	0.093 U	0.093 U
Carbon tetrachloride	UG/M3	0.60	0.57	0.46	0.57	0.23
Chloroethane	UG/M3	0.077 U	0.077 U	1.1	0.077 U	3.4
Chloroform	UG/M3	0.63	0.034 U	0.034 U	0.62	0.96
Chloromethane	UG/M3	1.5	1.2	0.14 U	1.6	0.57
Cyclohexane	UG/M3	0.72	0.079 U	0.89	0.079 U	0.94
Dibromochloromethane	UG/M3	0.060 U	0.060 U	0.060 U	0.060 U	0.060 U

Flags assigned during chemistry validation are shown.

UG/M3 - Micrograms per cubic meter.

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value.

Only Detected Results Reported.

Detection Limits shown are MDL

TABLE 2
SUMMARY OF DETECTED COMPOUNDS IN 2020/2021 HEATING SEASON SVI SAMPLES
MEEKER AVENUE PLUME TRACKDOWN SITE

Location ID		H-100-IA	H-100-OA	H-100-SS	H-101-IA	H-101-SS
Sample ID		224121-IA-100	224121-OA-100	224121-SS-100	224121-IA-101	224121-SS-101
Matrix		Indoor Air	Outdoor Air	Subslab Vapor	Indoor Air	Subslab Vapor
Depth Interval (ft)		-	-	-	-	-
Date Sampled		03/15/21	03/15/21	03/15/21	03/15/21	03/15/21
Parameter	Units					
Volatile Organic Compounds						
Dichlorodifluoromethane	UG/M3	0.86	1.0	0.95	0.80	0.94
Ethanol	UG/M3	490 D	14 J	45 J	440 D	10 J
Ethylbenzene	UG/M3	0.53	0.40	0.056 U	0.40	0.056 U
Methyl ethyl ketone (2-Butanone)	UG/M3	1.7	1.1	2.8	2.8	1.8
Methyl tert-butyl ether	UG/M3	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
Methylene chloride	UG/M3	3.6	2.7	5.7	16	2.2
Naphthalene	UG/M3	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U
n-Hexane	UG/M3	1.5	1.0	0.046 U	1.0	0.75
Styrene	UG/M3	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
t-Butyl alcohol	UG/M3	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Tetrachloroethene	UG/M3	0.62	0.047 U	4.1	0.047 U	2.4
Toluene	UG/M3	3.6	3.2	0.78	3.3	0.64
Trichloroethene	UG/M3	0.070 U	0.070 U	0.070 U	0.070 U	0.070 U
Trichlorofluoromethane	UG/M3	1.5	1.4	1.8	1.5	1.4
Vinyl chloride	UG/M3	0.066 U	0.066 U	0.49	0.066 U	2.3
m&p-Xylene	UG/M3	1.7	1.3	0.72	1.4	0.67
o-Xylene	UG/M3	0.65	0.47	0.065 U	0.45	0.065 U

Flags assigned during chemistry validation are shown.

UG/M3 - Micrograms per cubic meter.

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value.

Only Detected Results Reported.

Detection Limits shown are MDL

TABLE 2
SUMMARY OF DETECTED COMPOUNDS IN 2020/2021 HEATING SEASON SVI SAMPLES
MEEKER AVENUE PLUME TRACKDOWN SITE

Location ID		H-102-IA	H-102-SS	H-103-IA	H-103-OA	H-103-SS
Sample ID		224121-IA-102	224121-SS-102	224121-IA-103	224121-OA-103	224121-SS-103
Matrix		Indoor Air	Subslab Vapor	Indoor Air	Outdoor Air	Subslab Vapor
Depth Interval (ft)		-	-	-	-	-
Date Sampled		03/15/21	03/15/21	03/15/21	03/15/21	03/15/21
Parameter	Units					
Volatile Organic Compounds						
1,1,1-Trichloroethane	UG/M3	0.20 U	0.20 U	0.20 U	0.50 U	2.0 U
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/M3	0.061 U	0.66	0.64	0.15 U	0.61 U
1,1-Dichloroethane	UG/M3	0.028 U	1.9	0.028 U	0.071 U	5.4
1,1-Dichloroethene	UG/M3	0.032 U	0.032 U	0.032 U	0.079 U	0.32 U
1,2,4-Trimethylbenzene	UG/M3	0.098 U	0.098 U	0.098 U	0.25 U	0.98 U
1,2-Dichloroethane	UG/M3	0.040 U	8.5	0.040 U	0.10 U	16
1,2-Dichloroethene (cis)	UG/M3	0.040 U	0.040 U	0.040 U	0.099 U	0.40 U
1,2-Dichloroethene (trans)	UG/M3	0.028 U	0.028 U	0.028 U	0.069 U	0.28 U
1,2-Dichloropropane	UG/M3	0.046 U	0.046 U	0.046 U	0.12 U	0.46 U
1,3,5-Trimethylbenzene (Mesitylene)	UG/M3	0.11 U	0.11 U	0.11 U	0.27 U	1.1 U
1,4-Dichlorobenzene	UG/M3	0.096 U	0.096 U	0.096 U	0.24 U	0.96 U
1,4-Dioxane	UG/M3	0.11 U	0.11 U	0.11 U	0.27 U	1.1 U
2,2,4-Trimethylpentane	UG/M3	0.037 U	0.037 U	0.037 U	0.093 U	0.37 U
4-Methyl-2-pentanone	UG/M3	0.22 U	0.22 U	0.22 U	0.55 U	2.2 U
Benzene	UG/M3	0.89	0.37	1.3	0.84	0.26 U
Bromodichloromethane	UG/M3	0.12 U	0.12 U	0.12 U	0.30 U	1.2 U
Bromoform	UG/M3	0.093 U	0.093 U	0.093 U	0.23 U	0.93 U
Carbon tetrachloride	UG/M3	0.57	0.58	0.63	0.51	0.44 U
Chloroethane	UG/M3	0.077 U	2.0	0.077 U	0.19 U	6.8
Chloroform	UG/M3	0.034 U	0.42	0.034 U	0.085 U	0.34 U
Chloromethane	UG/M3	1.1	0.67	1.3	1.7	1.4 U
Cyclohexane	UG/M3	0.079 U	0.079 U	0.079 U	0.20 U	15
Dibromochloromethane	UG/M3	0.060 U	0.060 U	0.060 U	0.15 U	0.60 U

Flags assigned during chemistry validation are shown.

UG/M3 - Micrograms per cubic meter.

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value.

Only Detected Results Reported.

Detection Limits shown are MDL

TABLE 2
SUMMARY OF DETECTED COMPOUNDS IN 2020/2021 HEATING SEASON SVI SAMPLES
MEEKER AVENUE PLUME TRACKDOWN SITE

Location ID		H-102-IA	H-102-SS	H-103-IA	H-103-OA	H-103-SS
Sample ID		224121-IA-102	224121-SS-102	224121-IA-103	224121-OA-103	224121-SS-103
Matrix		Indoor Air	Subslab Vapor	Indoor Air	Outdoor Air	Subslab Vapor
Depth Interval (ft)		-	-	-	-	-
Date Sampled		03/15/21	03/15/21	03/15/21	03/15/21	03/15/21
Parameter	Units					
Volatile Organic Compounds						
Dichlorodifluoromethane	UG/M3	0.85	0.89	0.97	1.4	0.69 U
Ethanol	UG/M3	280 D	17 J	41	16	41
Ethylbenzene	UG/M3	0.36	0.96	0.056 U	0.14 U	0.56 U
Methyl ethyl ketone (2-Butanone)	UG/M3	0.22 U	3.7	1.6	0.54 U	2.2 U
Methyl tert-butyl ether	UG/M3	0.19 U	0.19 U	0.19 U	0.47 U	1.9 U
Methylene chloride	UG/M3	3.1	4.4	2.9	3.4 U	14 U
Naphthalene	UG/M3	0.40 U	0.40 U	0.40 U	1.0 U	4.0 UJ
n-Hexane	UG/M3	0.84	0.046 U	0.93	0.11 U	0.46 U
Styrene	UG/M3	0.10 U	0.10 U	0.10 U	0.26 U	1.0 U
t-Butyl alcohol	UG/M3	0.10 U	1.3	0.10 U	0.25 U	1.0 U
Tetrachloroethene	UG/M3	0.61	0.047 U	0.74	0.12 U	0.47 U
Toluene	UG/M3	2.7	1.1	2.2	1.9	2.9 U
Trichloroethene	UG/M3	0.070 U	0.070 U	0.070 U	0.17 U	0.70 U
Trichlorofluoromethane	UG/M3	1.3	1.3	2.2 J	2.0 J	0.62 U
Vinyl chloride	UG/M3	0.066 U	0.89	0.066 UJ	0.17 UJ	4.4
m&p-Xylene	UG/M3	1.2	2.9	0.61	0.31 U	1.3 U
o-Xylene	UG/M3	0.45	0.53	0.065 U	0.16 U	0.65 U

Flags assigned during chemistry validation are shown.

UG/M3 - Micrograms per cubic meter.

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value.

Only Detected Results Reported.

Detection Limits shown are MDL

TABLE 2
SUMMARY OF DETECTED COMPOUNDS IN 2020/2021 HEATING SEASON SVI SAMPLES
MEEKER AVENUE PLUME TRACKDOWN SITE

Location ID		H-104-IAA	H-104-IAB	H-104-OA	H-105-IA	H-105-OA
Sample ID		224121-IAA-104	224121-IAB-104	224121-OA-104	224121-IA-105	224121-OA-105
Matrix		Indoor Air	Indoor Air	Outdoor Air	Indoor Air	Outdoor Air
Depth Interval (ft)		-	-	-	-	-
Date Sampled		03/16/21	03/16/21	03/16/21	03/16/21	03/16/21
Parameter	Units					
Volatile Organic Compounds						
1,1,1-Trichloroethane	UG/M3	0.40 U	0.20 U	0.20 U	1.0 U	0.20 U
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/M3	0.12 U	0.63	0.061 U	0.31 U	0.061 U
1,1-Dichloroethane	UG/M3	0.057 U	0.028 U	0.028 U	0.14 U	0.028 U
1,1-Dichloroethene	UG/M3	0.063 U	0.032 U	0.032 U	0.16 U	0.032 U
1,2,4-Trimethylbenzene	UG/M3	0.88	0.65	0.098 U	0.49 U	0.098 U
1,2-Dichloroethane	UG/M3	0.081 U	0.040 U	0.040 U	0.20 U	0.040 U
1,2-Dichloroethene (cis)	UG/M3	0.079 U	0.040 U	0.040 U	0.20 U	0.040 U
1,2-Dichloroethene (trans)	UG/M3	0.056 U	0.028 U	0.028 U	0.14 U	0.028 U
1,2-Dichloropropane	UG/M3	0.092 U	0.046 U	0.046 U	0.23 U	0.046 U
1,3,5-Trimethylbenzene (Mesitylene)	UG/M3	0.22 U	0.11 U	0.11 U	0.54 U	0.11 U
1,4-Dichlorobenzene	UG/M3	0.19 U	0.096 U	0.096 U	0.48 U	0.096 U
1,4-Dioxane	UG/M3	0.22 U	0.11 U	0.11 U	0.54 U	0.11 U
2,2,4-Trimethylpentane	UG/M3	0.075 U	0.037 U	0.037 U	0.19 U	0.037 U
4-Methyl-2-pentanone	UG/M3	0.44 U	0.22 U	0.22 U	1.1 U	0.22 U
Benzene	UG/M3	1.2	0.94	0.61	1.3	0.70
Bromodichloromethane	UG/M3	0.24 U	0.12 U	0.12 U	0.60 U	0.12 U
Bromoform	UG/M3	0.19 U	0.093 U	0.093 UJ	0.47 U	0.093 UJ
Carbon tetrachloride	UG/M3	0.48	0.56	0.26	0.22 U	0.50
Chloroethane	UG/M3	0.15 U	0.077 U	0.077 U	0.38 U	0.077 U
Chloroform	UG/M3	0.068 U	0.42	0.034 U	0.17 U	0.034 U
Chloromethane	UG/M3	2.1	1.2	1.1	2.2	1.1
Cyclohexane	UG/M3	0.16 U	0.079 U	0.079 U	0.40 U	0.079 U
Dibromochloromethane	UG/M3	0.12 U	0.060 U	0.060 U	0.30 U	0.060 U

Flags assigned during chemistry validation are shown.

UG/M3 - Micrograms per cubic meter.

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value.

Only Detected Results Reported.

Detection Limits shown are MDL

TABLE 2
SUMMARY OF DETECTED COMPOUNDS IN 2020/2021 HEATING SEASON SVI SAMPLES
MEEKER AVENUE PLUME TRACKDOWN SITE

Location ID		H-104-IAA	H-104-IAB	H-104-OA	H-105-IA	H-105-OA
Sample ID		224121-IAA-104	224121-IAB-104	224121-OA-104	224121-IA-105	224121-OA-105
Matrix		Indoor Air	Indoor Air	Outdoor Air	Indoor Air	Outdoor Air
Depth Interval (ft)		-	-	-	-	-
Date Sampled		03/16/21	03/16/21	03/16/21	03/16/21	03/16/21
Parameter	Units					
Volatile Organic Compounds						
Dichlorodifluoromethane	UG/M3	1.2	0.84	1.3	0.35 U	1.4
Ethanol	UG/M3	180	53 J	6.4 J	390	12 J
Ethylbenzene	UG/M3	3.3	1.3	0.056 U	0.28 U	0.056 U
Methyl ethyl ketone (2-Butanone)	UG/M3	0.43 U	1.4	0.22 U	1.1 U	0.22 U
Methyl tert-butyl ether	UG/M3	0.37 U	0.19 U	0.19 U	0.94 U	0.19 U
Methylene chloride	UG/M3	22	9.0	3.7	6.8 U	1.5
Naphthalene	UG/M3	0.80 U	0.40 U	0.40 U	2.0 UJ	0.40 U
n-Hexane	UG/M3	1.7	0.046 U	0.046 U	0.23 U	0.046 U
Styrene	UG/M3	4.2	1.2	0.10 U	0.51 U	0.10 U
t-Butyl alcohol	UG/M3	0.20 U	0.10 U	0.10 U	0.50 U	0.10 U
Tetrachloroethene	UG/M3	5.7	9.7	1.9	0.24 U	0.047 U
Toluene	UG/M3	3.4	3.5	1.1	4.6	2.1
Trichloroethene	UG/M3	0.14 U	0.32	0.070 U	0.35 U	0.070 U
Trichlorofluoromethane	UG/M3	2.0 J	1.3	1.4	0.31 U	1.4
Vinyl chloride	UG/M3	0.13 UJ	0.066 U	0.066 U	0.33 U	0.066 U
m&p-Xylene	UG/M3	7.2	3.3	0.89	1.9	1.1
o-Xylene	UG/M3	2.3	1.2	0.065 U	0.33 U	0.36

Flags assigned during chemistry validation are shown.

UG/M3 - Micrograms per cubic meter.

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value.

Only Detected Results Reported.

Detection Limits shown are MDL

TABLE 2
SUMMARY OF DETECTED COMPOUNDS IN 2020/2021 HEATING SEASON SVI SAMPLES
MEEKER AVENUE PLUME TRACKDOWN SITE

Location ID		H-105-SS	H-106-BA	H-106-BA	H-106-FF	H-106-OA
Sample ID		224121--SS-105	224121-BA-106	FD-031712-2	224121-FF-106	224121-OA-106
Matrix		Subslab Vapor	Indoor Air	Indoor Air	Indoor Air	Outdoor Air
Depth Interval (ft)		-	-	-	-	-
Date Sampled		03/16/21	03/17/21	03/17/21	03/17/21	03/17/21
Parameter	Units			Field Duplicate (1-1)		
Volatile Organic Compounds						
1,1,1-Trichloroethane	UG/M3	0.90	0.20 U	0.20 U	2.0 U	0.20 U
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/M3	0.061 U	0.061 U	0.061 U	0.61 U	0.061 U
1,1-Dichloroethane	UG/M3	0.028 U	0.028 U	0.028 U	0.28 U	0.028 U
1,1-Dichloroethene	UG/M3	0.032 U	0.032 U	0.032 U	0.32 U	0.032 U
1,2,4-Trimethylbenzene	UG/M3	0.098 U	4.6	4.6	22	0.098 U
1,2-Dichloroethane	UG/M3	0.60	0.040 U	0.040 U	0.40 U	0.040 U
1,2-Dichloroethene (cis)	UG/M3	0.040 U	0.040 U	0.040 U	0.40 U	0.040 U
1,2-Dichloroethene (trans)	UG/M3	0.028 U	0.028 U	0.028 U	0.28 U	0.028 U
1,2-Dichloropropane	UG/M3	0.046 U	0.046 U	0.046 U	0.46 U	0.046 U
1,3,5-Trimethylbenzene (Mesitylene)	UG/M3	0.11 U	1.6	1.7	6.0	0.11 U
1,4-Dichlorobenzene	UG/M3	0.096 U	0.096 U	0.096 U	0.96 U	0.096 U
1,4-Dioxane	UG/M3	0.11 U	0.11 U	0.11 U	1.1 U	0.11 U
2,2,4-Trimethylpentane	UG/M3	0.037 U	3.7	3.6	0.37 U	0.037 U
4-Methyl-2-pentanone	UG/M3	0.22 U	1.5	1.4	2.2 U	0.22 U
Benzene	UG/M3	0.33	2.3	2.2	4.3	0.87
Bromodichloromethane	UG/M3	0.12 U	0.12 U	0.12 U	1.2 U	0.12 U
Bromoform	UG/M3	0.093 UJ	0.093 UJ	0.093 UJ	0.93 UJ	0.093 UJ
Carbon tetrachloride	UG/M3	0.61	0.54	0.48	0.44 U	0.48
Chloroethane	UG/M3	0.55	0.077 U	0.077 U	0.77 U	0.077 U
Chloroform	UG/M3	3.2	2.4	2.3	0.34 U	0.034 U
Chloromethane	UG/M3	0.14 U	1.2	0.88	1.4 U	1.2
Cyclohexane	UG/M3	0.079 U	1.2	1.1	0.79 U	0.079 U
Dibromochloromethane	UG/M3	0.060 U	0.060 U	0.060 U	0.60 U	0.060 U

Flags assigned during chemistry validation are shown.

UG/M3 - Micrograms per cubic meter.

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value.

Only Detected Results Reported.

Detection Limits shown are MDL

TABLE 2
SUMMARY OF DETECTED COMPOUNDS IN 2020/2021 HEATING SEASON SVI SAMPLES
MEEKER AVENUE PLUME TRACKDOWN SITE

Location ID		H-105-SS	H-106-BA	H-106-BA	H-106-FF	H-106-OA
Sample ID		224121--SS-105	224121-BA-106	FD-031712-2	224121-FF-106	224121-OA-106
Matrix		Subslab Vapor	Indoor Air	Indoor Air	Indoor Air	Outdoor Air
Depth Interval (ft)		-	-	-	-	-
Date Sampled		03/16/21	03/17/21	03/17/21	03/17/21	03/17/21
Parameter	Units			Field Duplicate (1-1)		
Volatile Organic Compounds						
Dichlorodifluoromethane	UG/M3	1.4	1.3	1.2	0.69 U	1.3
Ethanol	UG/M3	6.5 J	50 J	44 J	110 J	17 J
Ethylbenzene	UG/M3	0.056 U	15	15	110	0.81
Methyl ethyl ketone (2-Butanone)	UG/M3	1.1	13	12	130	0.22 U
Methyl tert-butyl ether	UG/M3	0.19 U	0.19 U	0.19 U	1.9 U	0.19 U
Methylene chloride	UG/M3	1.5	18	14	120	7.6
Naphthalene	UG/M3	0.40 U	0.40 U	0.40 U	4.0 U	0.40 U
n-Hexane	UG/M3	0.046 U	3.6	2.9	10	0.69
Styrene	UG/M3	0.10 U	20	22	22	0.10 U
t-Butyl alcohol	UG/M3	0.10 U	1.9	1.7	1.0 U	0.10 U
Tetrachloroethene	UG/M3	19	1.1	1.1	0.47 U	0.047 U
Toluene	UG/M3	0.29 U	130 D	130 D	780 D	4.2
Trichloroethene	UG/M3	11	1.4	1.4	0.70 U	0.070 U
Trichlorofluoromethane	UG/M3	1.5	1.6	1.3	0.62 U	1.3
Vinyl chloride	UG/M3	0.27	0.066 U	0.066 U	0.66 U	0.066 U
m&p-Xylene	UG/M3	0.13 U	58	57	410	3.4
o-Xylene	UG/M3	0.065 U	15	15	100	0.93

Flags assigned during chemistry validation are shown.

UG/M3 - Micrograms per cubic meter.

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value.

Only Detected Results Reported.

Detection Limits shown are MDL

TABLE 2
SUMMARY OF DETECTED COMPOUNDS IN 2020/2021 HEATING SEASON SVI SAMPLES
MEEKER AVENUE PLUME TRACKDOWN SITE

Location ID		H-106-SS	H-106-SS	H-107-IAA	H-107-IAB	H-107-SSA
Sample ID		224121--SS-106	FD-031712-1	224121-IAA-107	224121-IAB-107	224121-SSA-107
Matrix		Subslab Vapor	Subslab Vapor	Indoor Air	Indoor Air	Subslab Vapor
Depth Interval (ft)		-	-	-	-	-
Date Sampled		03/17/21	03/17/21	03/17/21	03/17/21	03/17/21
Parameter	Units		Field Duplicate (1-1)			
Volatile Organic Compounds						
1,1,1-Trichloroethane	UG/M3	19 U	20 U	1.0 U	0.20 U	160 U
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/M3	5.7 U	6.1 U	0.31 U	0.061 U	48 U
1,1-Dichloroethane	UG/M3	2.6 U	2.8 U	0.14 U	0.028 U	22 U
1,1-Dichloroethene	UG/M3	2.9 U	3.2 U	0.16 U	0.032 U	25 U
1,2,4-Trimethylbenzene	UG/M3	9.1 U	9.8 U	0.49 U	0.098 U	77 U
1,2-Dichloroethane	UG/M3	3.8 U	4.0 U	0.20 U	0.040 U	32 U
1,2-Dichloroethene (cis)	UG/M3	3.7 U	3.9 U	0.20 U	0.040 U	31 U
1,2-Dichloroethene (trans)	UG/M3	2.6 U	2.8 U	0.14 U	0.028 U	22 U
1,2-Dichloropropane	UG/M3	4.3 U	4.6 U	0.23 U	0.046 U	36 U
1,3,5-Trimethylbenzene (Mesitylene)	UG/M3	10 U	11 U	0.54 U	0.11 U	84 U
1,4-Dichlorobenzene	UG/M3	8.9 U	9.6 U	0.48 U	0.096 U	75 U
1,4-Dioxane	UG/M3	10 U	11 U	0.54 U	0.11 U	84 U
2,2,4-Trimethylpentane	UG/M3	3.5 U	3.7 U	0.19 U	0.037 U	29 U
4-Methyl-2-pentanone	UG/M3	21 U	22 U	1.1 U	0.22 U	170 U
Benzene	UG/M3	2.4 U	2.5 U	1.6	1.1	20 U
Bromodichloromethane	UG/M3	11 U	12 U	0.60 U	0.12 U	94 U
Bromoform	UG/M3	8.6 UJ	9.3 UJ	0.47 U	0.093 UJ	73 UJ
Carbon tetrachloride	UG/M3	4.1 U	4.4 U	0.22 U	0.47	34 U
Chloroethane	UG/M3	7.1 U	7.6 U	0.38 U	0.077 U	60 U
Chloroform	UG/M3	3.2 U	3.4 U	0.17 U	0.034 U	27 U
Chloromethane	UG/M3	13 U	14 U	3.3	0.99	110 U
Cyclohexane	UG/M3	7.3 U	7.9 U	0.40 U	0.73	62 U
Dibromochloromethane	UG/M3	5.5 U	5.9 U	0.30 U	0.060 U	47 U

Flags assigned during chemistry validation are shown.

UG/M3 - Micrograms per cubic meter.

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value.

Only Detected Results Reported.

Detection Limits shown are MDL

TABLE 2
SUMMARY OF DETECTED COMPOUNDS IN 2020/2021 HEATING SEASON SVI SAMPLES
MEEKER AVENUE PLUME TRACKDOWN SITE

Location ID		H-106-SS	H-106-SS	H-107-IAA	H-107-IAB	H-107-SSA
Sample ID		224121--SS-106	FD-031712-1	224121-IAA-107	224121-IAB-107	224121-SSA-107
Matrix		Subslab Vapor	Subslab Vapor	Indoor Air	Indoor Air	Subslab Vapor
Depth Interval (ft)		-	-	-	-	-
Date Sampled		03/17/21	03/17/21	03/17/21	03/17/21	03/17/21
Parameter	Units		Field Duplicate (1-1)			
Volatile Organic Compounds						
Dichlorodifluoromethane	UG/M3	6.4 U	6.9 U	2.0	1.2	54 U
Ethanol	UG/M3	150 UJ	160 UJ	400	150 J	1,300 UJ
Ethylbenzene	UG/M3	5.2 U	5.6 U	1.9	1.5	44 U
Methyl ethyl ketone (2-Butanone)	UG/M3	20 U	21 U	1.1 U	0.22 U	170 U
Methyl tert-butyl ether	UG/M3	17 U	19 U	0.94 U	0.19 U	150 U
Methylene chloride	UG/M3	130 U	130 U	15	12	1,100 U
Naphthalene	UG/M3	37 U	40 U	2.0 UJ	0.40 U	310 U
n-Hexane	UG/M3	4.2 U	4.6 U	0.23 U	1.9	36 U
Styrene	UG/M3	9.5 U	10 U	0.51 U	0.40	80 U
t-Butyl alcohol	UG/M3	9.3 U	10 U	0.50 U	0.10 U	78 U
Tetrachloroethene	UG/M3	4.4 U	4.7 U	0.24 U	0.65	37 U
Toluene	UG/M3	27 U	29 U	13	11	230 U
Trichloroethene	UG/M3	3,000	2,900	7.1	1.8	29,000
Trichlorofluoromethane	UG/M3	5.7 U	6.1 U	2.5	1.5	48 U
Vinyl chloride	UG/M3	6.2 U	6.6 U	0.33 U	0.066 U	52 U
m&p-Xylene	UG/M3	12 U	13 U	6.2	5.5	98 U
o-Xylene	UG/M3	6.0 U	6.5 U	2.1	1.8	51 U

Flags assigned during chemistry validation are shown.

UG/M3 - Micrograms per cubic meter.

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value.

Only Detected Results Reported.

Detection Limits shown are MDL

TABLE 2
SUMMARY OF DETECTED COMPOUNDS IN 2020/2021 HEATING SEASON SVI SAMPLES
MEEKER AVENUE PLUME TRACKDOWN SITE

Location ID		H-107-SSB	H-108-IA	H-108-SS	H-109-IA	H-109-IA
Sample ID		224121-SSB-107	224121-IA-108	224121-SS-108	224121-IA-109	FD-031821-2
Matrix		Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Indoor Air
Depth Interval (ft)		-	-	-	-	-
Date Sampled		03/17/21	03/18/21	03/18/21	03/18/21	03/18/21
Parameter	Units					Field Duplicate (1-1)
Volatile Organic Compounds						
1,1,1-Trichloroethane	UG/M3	2.0 U	0.20 U	2.0 U	0.20 U	0.20 U
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/M3	0.61 U	0.061 U	0.61 U	0.061 U	0.061 U
1,1-Dichloroethane	UG/M3	3.9	0.028 U	0.28 U	0.028 U	0.028 U
1,1-Dichloroethene	UG/M3	0.32 U	0.032 U	0.32 U	0.032 U	0.032 U
1,2,4-Trimethylbenzene	UG/M3	0.98 U	0.82	0.98 U	0.55	0.63
1,2-Dichloroethane	UG/M3	15	0.040 U	8.7	0.52	0.53
1,2-Dichloroethene (cis)	UG/M3	0.40 U	0.040 U	0.40 U	0.040 U	0.040 U
1,2-Dichloroethene (trans)	UG/M3	0.28 U	0.028 U	0.28 U	0.028 U	0.028 U
1,2-Dichloropropane	UG/M3	0.46 U	0.046 U	0.46 U	0.046 U	0.046 U
1,3,5-Trimethylbenzene (Mesitylene)	UG/M3	1.1 U	0.11 U	1.1 U	0.11 U	0.11 U
1,4-Dichlorobenzene	UG/M3	0.96 U	0.096 U	0.96 U	2.8	3.1
1,4-Dioxane	UG/M3	1.1 U	0.11 U	1.1 U	0.11 U	0.11 U
2,2,4-Trimethylpentane	UG/M3	0.37 U	0.037 U	0.37 U	0.037 U	0.037 U
4-Methyl-2-pentanone	UG/M3	2.2 U	0.22 U	2.2 U	0.22 U	0.22 U
Benzene	UG/M3	0.26 U	0.96	0.26 U	1.1	1.1
Bromodichloromethane	UG/M3	1.2 U	0.12 U	1.2 U	0.12 U	0.12 U
Bromoform	UG/M3	0.93 UJ	0.093 U	0.93 U	0.093 U	0.093 U
Carbon tetrachloride	UG/M3	0.44 U	0.52	0.44 U	0.41	0.54
Chloroethane	UG/M3	6.1	0.077 U	2.4	0.077 U	0.077 U
Chloroform	UG/M3	0.34 U	0.44	0.34 U	0.034 U	0.034 U
Chloromethane	UG/M3	1.4 U	1.4	1.4 U	1.3	1.0
Cyclohexane	UG/M3	0.79 U	0.079 U	9.2	0.079 U	0.079 U
Dibromochloromethane	UG/M3	0.60 U	0.060 U	0.60 U	0.060 U	0.060 U

Flags assigned during chemistry validation are shown.

UG/M3 - Micrograms per cubic meter.

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value.

Only Detected Results Reported.

Detection Limits shown are MDL

TABLE 2
SUMMARY OF DETECTED COMPOUNDS IN 2020/2021 HEATING SEASON SVI SAMPLES
MEEKER AVENUE PLUME TRACKDOWN SITE

Location ID		H-107-SSB	H-108-IA	H-108-SS	H-109-IA	H-109-IA
Sample ID		224121-SSB-107	224121-IA-108	224121-SS-108	224121-IA-109	FD-031821-2
Matrix		Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Indoor Air
Depth Interval (ft)		-	-	-	-	-
Date Sampled		03/17/21	03/18/21	03/18/21	03/18/21	03/18/21
Parameter	Units					Field Duplicate (1-1)
Volatile Organic Compounds						
Dichlorodifluoromethane	UG/M3	0.69 U	1.2	0.69 U	1.2	1.4
Ethanol	UG/M3	130 J	430 D	16 U	270 D	310 D
Ethylbenzene	UG/M3	0.56 U	0.59	0.56 U	0.62	0.63
Methyl ethyl ketone (2-Butanone)	UG/M3	2.2 U	1.8	2.2 U	1.0	1.2
Methyl tert-butyl ether	UG/M3	1.9 U	0.19 U	1.9 U	0.19 U	0.19 U
Methylene chloride	UG/M3	14 U	2.2	14 U	3.9	4.5
Naphthalene	UG/M3	4.0 U	0.40 U	4.0 U	0.40 U	0.40 U
n-Hexane	UG/M3	0.46 U	1.0	0.46 U	1.2	1.2
Styrene	UG/M3	1.0 U	0.75	1.0 U	0.10 U	0.10 U
t-Butyl alcohol	UG/M3	1.0 U	0.10 U	9.9	0.10 U	0.10 U
Tetrachloroethene	UG/M3	22	1.2	0.47 U	1.3	1.3
Toluene	UG/M3	2.9 U	5.5	2.9 U	5.0	5.0
Trichloroethene	UG/M3	450	0.070 U	0.70 U	0.070 U	0.070 U
Trichlorofluoromethane	UG/M3	0.62 U	1.3	0.62 U	1.8	1.8
Vinyl chloride	UG/M3	4.7	0.066 U	1.1	0.066 U	0.066 U
m&p-Xylene	UG/M3	1.3 U	1.9	1.3 U	2.1	2.2
o-Xylene	UG/M3	0.65 U	0.68	0.65 U	0.70	0.79

Flags assigned during chemistry validation are shown.

UG/M3 - Micrograms per cubic meter.

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value.

Only Detected Results Reported.

Detection Limits shown are MDL

TABLE 2
SUMMARY OF DETECTED COMPOUNDS IN 2020/2021 HEATING SEASON SVI SAMPLES
MEEKER AVENUE PLUME TRACKDOWN SITE

Location ID		H-109-OA	H-109-SS	H-109-SS	H-110-IA	H-110-OA
Sample ID		224121-OA-109	224121-SS-109	FD-031821-1	224121-IA-110	224121-OA-110
Matrix		Outdoor Air	Subslab Vapor	Subslab Vapor	Indoor Air	Outdoor Air
Depth Interval (ft)		-	-	-	-	-
Date Sampled		03/18/21	03/18/21	03/18/21	03/18/21	03/18/21
Parameter	Units			Field Duplicate (1-1)		
Volatile Organic Compounds						
1,1,1-Trichloroethane	UG/M3	0.20 U	2.0 U	5.0 U	0.20 U	0.20 U
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/M3	0.061 U	0.61 U	1.5 U	0.061 U	0.061 U
1,1-Dichloroethane	UG/M3	0.028 U	0.28 U	0.71 U	0.028 U	0.028 U
1,1-Dichloroethene	UG/M3	0.032 U	0.32 U	0.79 U	0.032 U	0.032 U
1,2,4-Trimethylbenzene	UG/M3	0.098 U	0.98 U	2.5 U	0.098 U	0.098 U
1,2-Dichloroethane	UG/M3	0.040 U	15	14	0.040 U	0.040 U
1,2-Dichloroethene (cis)	UG/M3	0.040 U	0.40 U	0.99 U	0.040 U	0.040 U
1,2-Dichloroethene (trans)	UG/M3	0.028 U	0.28 U	0.69 U	0.028 U	0.028 U
1,2-Dichloropropane	UG/M3	0.046 U	0.46 U	1.2 U	0.046 U	0.046 U
1,3,5-Trimethylbenzene (Mesitylene)	UG/M3	0.11 U	1.1 U	2.7 U	0.11 U	0.11 U
1,4-Dichlorobenzene	UG/M3	0.096 U	0.96 U	2.4 U	0.096 U	0.096 U
1,4-Dioxane	UG/M3	0.11 U	1.1 U	2.7 U	0.11 U	0.11 U
2,2,4-Trimethylpentane	UG/M3	0.037 U	0.37 U	0.93 U	0.037 U	0.037 U
4-Methyl-2-pentanone	UG/M3	0.22 U	2.2 U	5.5 U	0.22 U	0.22 U
Benzene	UG/M3	0.76	0.26 U	0.64 U	0.64	0.66
Bromodichloromethane	UG/M3	0.12 U	1.2 U	3.0 U	0.12 U	0.12 U
Bromoform	UG/M3	0.093 U	0.93 U	2.3 U	0.093 U	0.093 U
Carbon tetrachloride	UG/M3	0.54	0.44 U	1.1 U	0.51	0.58
Chloroethane	UG/M3	0.077 U	3.3	1.9 U	0.077 U	0.077 U
Chloroform	UG/M3	0.034 U	0.34 U	0.85 U	0.51	0.034 U
Chloromethane	UG/M3	1.3	1.4 U	3.4 U	1.1	1.3
Cyclohexane	UG/M3	0.079 U	22	24	0.079 U	0.079 U
Dibromochloromethane	UG/M3	0.060 U	0.60 U	1.5 U	0.060 U	0.060 U

Flags assigned during chemistry validation are shown.

UG/M3 - Micrograms per cubic meter.

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value.

Only Detected Results Reported.

Detection Limits shown are MDL

TABLE 2
SUMMARY OF DETECTED COMPOUNDS IN 2020/2021 HEATING SEASON SVI SAMPLES
MEEKER AVENUE PLUME TRACKDOWN SITE

Location ID		H-109-OA	H-109-SS	H-109-SS	H-110-IA	H-110-OA
Sample ID		224121-OA-109	224121-SS-109	FD-031821-1	224121-IA-110	224121-OA-110
Matrix		Outdoor Air	Subslab Vapor	Subslab Vapor	Indoor Air	Outdoor Air
Depth Interval (ft)		-	-	-	-	-
Date Sampled		03/18/21	03/18/21	03/18/21	03/18/21	03/18/21
Parameter	Units			Field Duplicate (1-1)		
Volatile Organic Compounds						
Dichlorodifluoromethane	UG/M3	1.3	0.69 U	1.7 U	1.1	1.4
Ethanol	UG/M3	24	80	41 U	21	20
Ethylbenzene	UG/M3	0.46	0.56 U	1.4 U	0.056 U	0.056 U
Methyl ethyl ketone (2-Butanone)	UG/M3	3.1	2.2 U	5.4 U	0.22 U	0.22 U
Methyl tert-butyl ether	UG/M3	0.19 U	1.9 U	4.7 U	0.19 U	0.19 U
Methylene chloride	UG/M3	1.4	14 U	34 U	1.4	5.7
Naphthalene	UG/M3	0.40 U	4.0 U	10 U	0.40 U	0.40 U
n-Hexane	UG/M3	1.1	0.46 U	1.1 U	0.046 U	0.76
Styrene	UG/M3	0.10 U	1.0 U	2.6 U	0.10 U	0.10 U
t-Butyl alcohol	UG/M3	0.10 U	1.0 U	2.5 U	0.10 U	0.10 U
Tetrachloroethene	UG/M3	0.047 U	0.47 U	1.2 U	0.047 U	0.047 U
Toluene	UG/M3	5.2	2.9 U	7.3 U	2.4	2.2
Trichloroethene	UG/M3	0.070 U	0.70 U	1.7 U	0.070 U	0.070 U
Trichlorofluoromethane	UG/M3	1.3	0.62 U	1.5 U	1.3	1.3
Vinyl chloride	UG/M3	0.066 U	1.8	1.7 U	0.066 U	0.066 U
m&p-Xylene	UG/M3	1.6	1.3 U	3.1 U	1.0	0.86
o-Xylene	UG/M3	0.60	0.65 U	1.6 U	0.38	0.065 U

Flags assigned during chemistry validation are shown.

UG/M3 - Micrograms per cubic meter.

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value.

Only Detected Results Reported.

Detection Limits shown are MDL

TABLE 2
SUMMARY OF DETECTED COMPOUNDS IN 2020/2021 HEATING SEASON SVI SAMPLES
MEEKER AVENUE PLUME TRACKDOWN SITE

Location ID		H-110-SS	H-111-IA	H-111-SS	H-112-IA	H-112-OA
Sample ID		224121-SS-110	224121-IA-111	224121-SS-111	224121-IA-112	224121-OA-112
Matrix		Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Outdoor Air
Depth Interval (ft)		-	-	-	-	-
Date Sampled		03/18/21	03/18/21	03/18/21	03/18/21	03/18/21
Parameter	Units					
Volatile Organic Compounds						
1,1,1-Trichloroethane	UG/M3	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/M3	0.80	0.061 U	0.061 U	0.061 U	0.061 U
1,1-Dichloroethane	UG/M3	2.4	0.028 U	1.1	0.028 U	0.028 U
1,1-Dichloroethene	UG/M3	1.2	0.032 U	0.032 U	0.032 U	0.032 U
1,2,4-Trimethylbenzene	UG/M3	0.098 U	0.71	0.098 U	0.42	0.098 U
1,2-Dichloroethane	UG/M3	8.2	0.040 U	11	0.040 U	0.040 U
1,2-Dichloroethene (cis)	UG/M3	0.040 U	0.040 U	0.040 U	0.040 U	0.040 U
1,2-Dichloroethene (trans)	UG/M3	0.45	0.028 U	0.028 U	0.028 U	0.028 U
1,2-Dichloropropane	UG/M3	0.56	0.046 U	0.046 U	0.046 U	0.046 U
1,3,5-Trimethylbenzene (Mesitylene)	UG/M3	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
1,4-Dichlorobenzene	UG/M3	0.096 U	0.096 U	0.096 U	3.5	0.096 U
1,4-Dioxane	UG/M3	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
2,2,4-Trimethylpentane	UG/M3	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U
4-Methyl-2-pentanone	UG/M3	0.22 U	0.22 U	0.22 U	0.80	0.22 U
Benzene	UG/M3	0.38	0.94	0.31	0.82	0.56
Bromodichloromethane	UG/M3	38	0.12 U	0.12 U	0.12 U	0.12 U
Bromoform	UG/M3	8.7	0.093 U	0.093 U	0.093 U	0.093 U
Carbon tetrachloride	UG/M3	3.0	0.58	0.39	0.59	0.51
Chloroethane	UG/M3	4.8	0.077 U	3.5	0.077 U	0.077 U
Chloroform	UG/M3	570 D	1.1	3.1	2.2	0.034 U
Chloromethane	UG/M3	0.65	1.2	0.14 U	1.0	1.2
Cyclohexane	UG/M3	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U
Dibromochloromethane	UG/M3	23	0.060 U	0.060 U	0.060 U	0.060 U

Flags assigned during chemistry validation are shown.

UG/M3 - Micrograms per cubic meter.

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value.

Only Detected Results Reported.

Detection Limits shown are MDL

TABLE 2
SUMMARY OF DETECTED COMPOUNDS IN 2020/2021 HEATING SEASON SVI SAMPLES
MEEKER AVENUE PLUME TRACKDOWN SITE

Location ID		H-110-SS	H-111-IA	H-111-SS	H-112-IA	H-112-OA
Sample ID		224121-SS-110	224121-IA-111	224121-SS-111	224121-IA-112	224121-OA-112
Matrix		Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Outdoor Air
Depth Interval (ft)		-	-	-	-	-
Date Sampled		03/18/21	03/18/21	03/18/21	03/18/21	03/18/21
Parameter	Units					
Volatile Organic Compounds						
Dichlorodifluoromethane	UG/M3	2.0	1.4	1.3	1.2	1.3
Ethanol	UG/M3	41	2,200 D	72	110	17
Ethylbenzene	UG/M3	0.056 U	0.65	0.056 U	0.56	0.056 U
Methyl ethyl ketone (2-Butanone)	UG/M3	3.0	1.3	3.7	1.6	1.2
Methyl tert-butyl ether	UG/M3	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
Methylene chloride	UG/M3	2.9	5.4	5.8	1.8	1.4 U
Naphthalene	UG/M3	0.40 U	2.1	0.40 U	0.40 U	0.40 U
n-Hexane	UG/M3	1.3	1.4	0.82	1.2	0.046 U
Styrene	UG/M3	0.10 U	0.45	0.10 U	0.10 U	0.10 U
t-Butyl alcohol	UG/M3	1.2	2.3	1.0	0.10 U	0.10 U
Tetrachloroethene	UG/M3	0.81	1.5	3.2	0.75	0.047 U
Toluene	UG/M3	0.81	5.8	0.81	5.6	3.6
Trichloroethene	UG/M3	0.22	0.070 U	0.070 U	0.39	0.070 U
Trichlorofluoromethane	UG/M3	2.0	1.4	1.4	1.4	1.3
Vinyl chloride	UG/M3	5.3	0.066 U	4.2	0.066 U	0.066 U
m&p-Xylene	UG/M3	0.37	2.1	0.43	1.9	0.96
o-Xylene	UG/M3	0.065 U	0.81	0.065 U	0.62	0.065 U

Flags assigned during chemistry validation are shown.

UG/M3 - Micrograms per cubic meter.

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value.

Only Detected Results Reported.

Detection Limits shown are MDL

TABLE 2
SUMMARY OF DETECTED COMPOUNDS IN 2020/2021 HEATING SEASON SVI SAMPLES
MEEKER AVENUE PLUME TRACKDOWN SITE

Location ID		H-112-SS	H-80-IA-BR-1	H-80-IA-BR-2	H-80-IA-BSMT-1	H-80-OA
Sample ID		224121-SS-112	BR-1	BR-2	BSMT-1	OA-1
Matrix		Subslab Vapor	Indoor Air	Indoor Air	Indoor Air	Outdoor Air
Depth Interval (ft)		-	-	-	-	-
Date Sampled		03/18/21	03/29/21	03/29/21	03/29/21	03/29/21
Parameter	Units					
Volatile Organic Compounds						
1,1,1-Trichloroethane	UG/M3	2.0 U	0.20 U	0.20 U	0.20 U	0.20 U
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/M3	0.61 U	0.061 U	0.061 U	0.061 U	0.061 U
1,1-Dichloroethane	UG/M3	0.28 U	0.028 U	0.028 U	0.028 U	0.028 U
1,1-Dichloroethene	UG/M3	0.32 U	0.032 U	0.032 U	0.032 U	0.032 U
1,2,4-Trimethylbenzene	UG/M3	0.98 U	0.67	0.098 U	0.54	0.098 U
1,2-Dichloroethane	UG/M3	10	0.040 U	0.040 U	0.040 U	0.040 U
1,2-Dichloroethene (cis)	UG/M3	0.40 U	0.040 U	0.040 U	0.040 U	0.040 U
1,2-Dichloroethene (trans)	UG/M3	0.28 U	0.028 U	0.028 U	0.028 U	0.028 U
1,2-Dichloropropane	UG/M3	0.46 U	1.3	1.1	0.046 U	0.046 U
1,3,5-Trimethylbenzene (Mesitylene)	UG/M3	1.1 U	0.11 U	0.11 U	0.11 U	0.11 U
1,4-Dichlorobenzene	UG/M3	0.96 U	0.096 U	0.096 U	0.096 U	0.096 U
1,4-Dioxane	UG/M3	1.1 U	0.11 U	0.11 U	0.11 U	0.11 U
2,2,4-Trimethylpentane	UG/M3	0.37 U	0.037 U	0.037 U	0.037 U	0.037 U
4-Methyl-2-pentanone	UG/M3	2.2 U	0.83	0.22 U	0.22 U	0.22 U
Benzene	UG/M3	0.26 U	1.7	1.5	0.84	0.89
Bromodichloromethane	UG/M3	1.2 U	0.12 U	0.12 U	0.12 U	0.12 U
Bromoform	UG/M3	0.93 U	0.093 U	0.093 U	0.093 U	0.093 U
Carbon tetrachloride	UG/M3	0.44 U	0.40	0.43	0.45	0.49
Chloroethane	UG/M3	2.1	0.077 U	0.077 U	0.077 U	0.077 U
Chloroform	UG/M3	8.1	0.55	0.51	0.034 U	0.034 U
Chloromethane	UG/M3	1.4 U	1.7	1.7	1.4	1.2
Cyclohexane	UG/M3	0.79 U	0.94	0.94	0.079 U	0.079 U
Dibromochloromethane	UG/M3	0.60 U	0.060 U	0.060 U	0.060 U	0.060 U

Flags assigned during chemistry validation are shown.

UG/M3 - Micrograms per cubic meter.

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value.

Only Detected Results Reported.

Detection Limits shown are MDL

TABLE 2
SUMMARY OF DETECTED COMPOUNDS IN 2020/2021 HEATING SEASON SVI SAMPLES
MEEKER AVENUE PLUME TRACKDOWN SITE

Location ID		H-112-SS	H-80-IA-BR-1	H-80-IA-BR-2	H-80-IA-BSMT-1	H-80-OA
Sample ID		224121-SS-112	BR-1	BR-2	BSMT-1	OA-1
Matrix		Subslab Vapor	Indoor Air	Indoor Air	Indoor Air	Outdoor Air
Depth Interval (ft)		-	-	-	-	-
Date Sampled		03/18/21	03/29/21	03/29/21	03/29/21	03/29/21
Parameter	Units					
Volatile Organic Compounds						
Dichlorodifluoromethane	UG/M3	0.69 U	1.7	1.7	1.7	1.8
Ethanol	UG/M3	55	130	120	19	27
Ethylbenzene	UG/M3	0.56 U	0.77	0.35	0.67	0.056 U
Methyl ethyl ketone (2-Butanone)	UG/M3	2.2 U	1.6	8.3	1.5	0.98
Methyl tert-butyl ether	UG/M3	1.9 U	0.19 U	0.19 U	0.19 U	0.19 U
Methylene chloride	UG/M3	14 U	1.4 U	1.4 U	1.4 U	1.4 U
Naphthalene	UG/M3	4.0 U	0.40 U	0.40 U	0.40 U	0.40 U
n-Hexane	UG/M3	0.46 U	0.82	0.84	0.046 U	0.046 U
Styrene	UG/M3	1.0 U	320 D	75 D	6.6	3.6
t-Butyl alcohol	UG/M3	1.0 U	1.3	1.2	0.10 U	0.10 U
Tetrachloroethene	UG/M3	130	18	13	1.1	0.047 U
Toluene	UG/M3	2.9 U	2.4	1.8	2.0	1.9
Trichloroethene	UG/M3	8.4	0.070 U	0.070 U	0.32	0.070 U
Trichlorofluoromethane	UG/M3	0.62 U	1.3	1.1	1.2	1.3
Vinyl chloride	UG/M3	2.6	0.066 U	0.066 U	0.066 U	0.066 U
m&p-Xylene	UG/M3	1.3 U	2.0	0.73	1.7	0.98
o-Xylene	UG/M3	0.65 U	0.79	0.065 U	0.66	0.42

Flags assigned during chemistry validation are shown.

UG/M3 - Micrograms per cubic meter.

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value.

Only Detected Results Reported.

Detection Limits shown are MDL

TABLE 2
SUMMARY OF DETECTED COMPOUNDS IN 2020/2021 HEATING SEASON SVI SAMPLES
MEEKER AVENUE PLUME TRACKDOWN SITE

Location ID		H-85-IA	H-85-SS	H-86-IAA	H-86-IAB	H-86-OA
Sample ID		224121-IA-85	224121-SS-85	224121-IAA-86	224121-IAB-86	224121-OA-86
Matrix		Indoor Air	Subslab Vapor	Indoor Air	Indoor Air	Outdoor Air
Depth Interval (ft)		-	-	-	-	-
Date Sampled		03/10/21	03/10/21	03/10/21	03/10/21	03/10/21
Parameter	Units					
Volatile Organic Compounds						
1,1,1-Trichloroethane	UG/M3	17 U	2.9	0.20 U	0.20 U	0.20 U
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/M3	5.2 U	0.061 U	0.061 U	0.061 U	1.4
1,1-Dichloroethane	UG/M3	2.4 U	0.028 U	0.028 U	0.028 U	0.028 U
1,1-Dichloroethene	UG/M3	2.7 U	0.032 U	0.032 U	0.032 U	0.032 U
1,2,4-Trimethylbenzene	UG/M3	8.4 U	2.4	10	11	1.4
1,2-Dichloroethane	UG/M3	3.5 U	0.54	0.040 U	0.040 U	0.040 U
1,2-Dichloroethene (cis)	UG/M3	3.4 U	0.040 U	0.040 U	0.040 U	0.040 U
1,2-Dichloroethene (trans)	UG/M3	2.4 U	0.028 U	0.028 U	0.028 U	0.028 U
1,2-Dichloropropane	UG/M3	4.0 U	0.046 U	0.046 U	0.046 U	0.046 U
1,3,5-Trimethylbenzene (Mesitylene)	UG/M3	9.2 U	0.79	3.1	3.5	0.41
1,4-Dichlorobenzene	UG/M3	8.2 U	0.096 U	0.83	0.87	0.096 U
1,4-Dioxane	UG/M3	9.2 U	0.11 U	0.11 U	0.11 U	0.11 U
2,2,4-Trimethylpentane	UG/M3	3.2 U	0.037 U	3.2	3.6	2.9
4-Methyl-2-pentanone	UG/M3	19 U	0.22 U	0.22 U	0.22 U	0.98
Benzene	UG/M3	2.2 U	1.3	2.3	2.2	1.7
Bromodichloromethane	UG/M3	10 U	0.12 U	0.12 U	0.12 U	0.12 U
Bromoform	UG/M3	8.0 U	0.093 U	0.093 U	0.093 U	0.093 U
Carbon tetrachloride	UG/M3	3.8 U	0.26	0.56	0.46	0.45
Chloroethane	UG/M3	6.5 U	0.97	0.077 U	0.077 U	0.25
Chloroform	UG/M3	2.9 U	0.034 U	0.034 U	0.034 U	0.034 U
Chloromethane	UG/M3	12 U	0.14 U	1.2	1.1	3.3
Cyclohexane	UG/M3	6.8 U	3.1	2.1	1.9	2.5
Dibromochloromethane	UG/M3	5.1 U	0.060 U	0.060 U	0.060 U	0.060 U

Flags assigned during chemistry validation are shown.

UG/M3 - Micrograms per cubic meter.

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value.

Only Detected Results Reported.

Detection Limits shown are MDL

TABLE 2
SUMMARY OF DETECTED COMPOUNDS IN 2020/2021 HEATING SEASON SVI SAMPLES
MEEKER AVENUE PLUME TRACKDOWN SITE

Location ID		H-85-IA	H-85-SS	H-86-IAA	H-86-IAB	H-86-OA
Sample ID		224121-IA-85	224121-SS-85	224121-IAA-86	224121-IAB-86	224121-OA-86
Matrix		Indoor Air	Subslab Vapor	Indoor Air	Indoor Air	Outdoor Air
Depth Interval (ft)		-	-	-	-	-
Date Sampled		03/10/21	03/10/21	03/10/21	03/10/21	03/10/21
Parameter	Units					
Volatile Organic Compounds						
Dichlorodifluoromethane	UG/M3	5.9 U	2.3	1.2	1.2	2.1
Ethanol	UG/M3	430	11	450 D	700 D	29
Ethylbenzene	UG/M3	36	1.1	19	16	1.1
Methyl ethyl ketone (2-Butanone)	UG/M3	140	2.8	15	14	1.7
Methyl tert-butyl ether	UG/M3	16 U	0.19 U	0.19 U	0.19 U	0.19 U
Methylene chloride	UG/M3	4,400	69 D	24	20	3.1
Naphthalene	UG/M3	34 U	0.40 UJ	0.40 U	0.40 U	0.40 UJ
n-Hexane	UG/M3	81	2.0	3.6	3.3	5.2
Styrene	UG/M3	8.7 U	0.10 U	1.6	1.6	0.10 U
t-Butyl alcohol	UG/M3	8.6 U	0.10 U	1.1	1.3	0.10 U
Tetrachloroethene	UG/M3	4.1 U	18	0.89	0.85	0.047 U
Toluene	UG/M3	370	3.2	30	31	8.6
Trichloroethene	UG/M3	6.0 U	0.33	0.070 U	0.070 U	0.070 U
Trichlorofluoromethane	UG/M3	5.3 U	8.7	1.3	1.3	1.6
Vinyl chloride	UG/M3	5.7 U	0.93	0.066 U	0.066 U	0.066 U
m&p-Xylene	UG/M3	130	5.4	11	11	4.0
o-Xylene	UG/M3	39	3.0	4.0	4.1	1.5

Flags assigned during chemistry validation are shown.

UG/M3 - Micrograms per cubic meter.

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value.

Only Detected Results Reported.

Detection Limits shown are MDL

TABLE 2
SUMMARY OF DETECTED COMPOUNDS IN 2020/2021 HEATING SEASON SVI SAMPLES
MEEKER AVENUE PLUME TRACKDOWN SITE

Location ID		H-86-SSA	H-86-SSB	H-87-IAA	H-87-IAB	H-87-SSA
Sample ID		224121-SSA-86	224121-SSB-86	224121-IAA-87	224121-IAB-87	224121-SSA-87
Matrix		Subslab Vapor	Subslab Vapor	Indoor Air	Indoor Air	Subslab Vapor
Depth Interval (ft)		-	-	-	-	-
Date Sampled		03/10/21	03/10/21	03/10/21	03/10/21	03/10/21
Parameter	Units					
Volatile Organic Compounds						
1,1,1-Trichloroethane	UG/M3	13	1.6	16 U	0.20 U	7.2 U
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/M3	0.061 U	0.061 U	4.9 U	0.061 U	2.2 U
1,1-Dichloroethane	UG/M3	0.92	0.37	2.3 U	0.028 U	1.0 U
1,1-Dichloroethene	UG/M3	0.032 U	0.032 U	2.6 U	0.032 U	1.1 U
1,2,4-Trimethylbenzene	UG/M3	24	10	7.9 U	15	3.5 U
1,2-Dichloroethane	UG/M3	2.5	0.93	3.3 U	0.040 U	1.4 U
1,2-Dichloroethene (cis)	UG/M3	0.040 U	0.040 U	3.2 U	0.040 U	1.4 U
1,2-Dichloroethene (trans)	UG/M3	0.028 U	0.028 U	2.2 U	0.028 U	0.99 U
1,2-Dichloropropane	UG/M3	0.046 U	0.046 U	3.7 U	0.046 U	1.7 U
1,3,5-Trimethylbenzene (Mesitylene)	UG/M3	9.9	4.0	8.7 U	4.4	3.9 U
1,4-Dichlorobenzene	UG/M3	0.096 U	0.096 U	7.7 U	0.096 U	3.4 U
1,4-Dioxane	UG/M3	0.11 U	0.11 U	8.7 U	0.11 U	3.9 U
2,2,4-Trimethylpentane	UG/M3	0.037 U	0.037 U	3.0 U	6.1	1.3 U
4-Methyl-2-pentanone	UG/M3	2.1	1.3	18 U	10	7.9 U
Benzene	UG/M3	11	2.9	2.1 U	2.6	0.91 U
Bromodichloromethane	UG/M3	0.12 U	0.12 U	9.7 U	0.12 U	4.3 U
Bromoform	UG/M3	0.093 U	0.093 U	7.5 U	0.093 U	3.3 U
Carbon tetrachloride	UG/M3	0.23	0.28	3.5 U	0.47	1.6 U
Chloroethane	UG/M3	1.7	0.91	6.2 U	0.077 U	2.7 U
Chloroform	UG/M3	9.2	0.60	2.8 U	0.034 U	1.2 U
Chloromethane	UG/M3	0.14 U	0.14 U	11 U	1.1	4.9 U
Cyclohexane	UG/M3	23	7.5	6.4 U	4.1	2.8 U
Dibromochloromethane	UG/M3	0.060 U	0.060 U	4.8 U	0.060 U	2.1 U

Flags assigned during chemistry validation are shown.

UG/M3 - Micrograms per cubic meter.

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value.

Only Detected Results Reported.

Detection Limits shown are MDL

TABLE 2
SUMMARY OF DETECTED COMPOUNDS IN 2020/2021 HEATING SEASON SVI SAMPLES
MEEKER AVENUE PLUME TRACKDOWN SITE

Location ID		H-86-SSA	H-86-SSB	H-87-IAA	H-87-IAB	H-87-SSA
Sample ID		224121-SSA-86	224121-SSB-86	224121-IAA-87	224121-IAB-87	224121-SSA-87
Matrix		Subslab Vapor	Subslab Vapor	Indoor Air	Indoor Air	Subslab Vapor
Depth Interval (ft)		-	-	-	-	-
Date Sampled		03/10/21	03/10/21	03/10/21	03/10/21	03/10/21
Parameter	Units					
Volatile Organic Compounds						
Dichlorodifluoromethane	UG/M3	1.2	1.1	5.6 U	1.1	2.5 U
Ethanol	UG/M3	220 D	49	4,300 J	1,700 D	1,300 J
Ethylbenzene	UG/M3	5.4	1.9	4.5 U	31	2.0 U
Methyl ethyl ketone (2-Butanone)	UG/M3	10	6.5	17 U	35	7.7 U
Methyl tert-butyl ether	UG/M3	0.19 U	0.19 U	15 U	0.19 U	6.7 U
Methylene chloride	UG/M3	14	3.8	320	820 D	150
Naphthalene	UG/M3	2.4	1.1	32 UJ	0.40 U	14 UJ
n-Hexane	UG/M3	51	19	3.7 U	6.3	1.6 U
Styrene	UG/M3	0.10 U	0.10 U	8.2 U	8.4	3.7 U
t-Butyl alcohol	UG/M3	2.7	1.4	8.1 U	5.5	3.6 U
Tetrachloroethene	UG/M3	14	12	3.8 U	0.98	1.7 U
Toluene	UG/M3	39	14	24 U	37	11 U
Trichloroethene	UG/M3	1.8	1.6	5.6 U	0.070 U	2.5 U
Trichlorofluoromethane	UG/M3	5.5	3.1	5.0 U	1.2	2.2 U
Vinyl chloride	UG/M3	1.3	0.66	5.4 U	0.066 U	2.4 U
m&p-Xylene	UG/M3	37	13	65	120	18
o-Xylene	UG/M3	13	4.4	5.2 U	37	2.3 U

Flags assigned during chemistry validation are shown.

UG/M3 - Micrograms per cubic meter.

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value.

Only Detected Results Reported.

Detection Limits shown are MDL

TABLE 2
SUMMARY OF DETECTED COMPOUNDS IN 2020/2021 HEATING SEASON SVI SAMPLES
MEEKER AVENUE PLUME TRACKDOWN SITE

Location ID		H-87-SSB	H-88-IA	H-88-OA	H-88-SS	H-89-IA
Sample ID		224121-SSB-87	224121-IA-88	224121-OA-88	224121-SS-88	224121-IA-89
Matrix		Subslab Vapor	Indoor Air	Outdoor Air	Subslab Vapor	Indoor Air
Depth Interval (ft)		-	-	-	-	-
Date Sampled		03/10/21	03/10/21	03/10/21	03/10/21	03/10/21
Parameter	Units					
Volatile Organic Compounds						
1,1,1-Trichloroethane	UG/M3	17 U	0.20 U	0.20 U	2.0 U	0.20 U
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/M3	5.2 U	0.61	0.061 U	0.61 U	0.061 U
1,1-Dichloroethane	UG/M3	2.4 U	0.028 U	0.028 U	0.28 U	0.028 U
1,1-Dichloroethene	UG/M3	2.7 U	0.032 U	0.032 U	0.32 U	0.032 U
1,2,4-Trimethylbenzene	UG/M3	8.3 U	0.69	0.098 U	0.98 U	0.098 U
1,2-Dichloroethane	UG/M3	3.4 U	0.040 U	0.040 U	7.8	0.040 U
1,2-Dichloroethene (cis)	UG/M3	3.4 U	0.040 U	0.040 U	0.40 U	0.040 U
1,2-Dichloroethene (trans)	UG/M3	2.3 U	0.028 U	0.028 U	0.28 U	0.028 U
1,2-Dichloropropane	UG/M3	3.9 U	0.046 U	0.046 U	0.46 U	0.046 U
1,3,5-Trimethylbenzene (Mesitylene)	UG/M3	9.1 U	0.11 U	0.11 U	1.1 U	0.11 U
1,4-Dichlorobenzene	UG/M3	8.1 U	19	0.096 U	0.96 U	0.096 U
1,4-Dioxane	UG/M3	9.1 U	0.11 U	0.11 U	1.1 U	0.11 U
2,2,4-Trimethylpentane	UG/M3	3.2 U	0.98	0.037 U	0.37 U	0.037 U
4-Methyl-2-pentanone	UG/M3	19 U	0.22 U	0.22 U	2.2 U	0.22 U
Benzene	UG/M3	2.2 U	1.0	0.89	0.26 U	0.99
Bromodichloromethane	UG/M3	10 U	0.12 U	0.12 U	1.2 U	0.12 U
Bromoform	UG/M3	7.9 U	0.093 U	0.093 U	0.93 U	0.093 U
Carbon tetrachloride	UG/M3	3.7 U	0.46	0.44	0.44 U	0.43
Chloroethane	UG/M3	6.5 U	0.077 U	0.077 U	3.2	0.077 U
Chloroform	UG/M3	2.9 U	0.034 U	0.034 U	11	0.40
Chloromethane	UG/M3	12 U	2.1	1.9	1.4 U	2.0
Cyclohexane	UG/M3	6.7 U	0.079 U	0.079 U	9.2	0.079 U
Dibromochloromethane	UG/M3	5.0 U	0.060 U	0.060 U	0.60 U	0.060 U

Flags assigned during chemistry validation are shown.

UG/M3 - Micrograms per cubic meter.

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value.

Only Detected Results Reported.

Detection Limits shown are MDL

TABLE 2
SUMMARY OF DETECTED COMPOUNDS IN 2020/2021 HEATING SEASON SVI SAMPLES
MEEKER AVENUE PLUME TRACKDOWN SITE

Location ID		H-87-SSB	H-88-IA	H-88-OA	H-88-SS	H-89-IA
Sample ID		224121-SSB-87	224121-IA-88	224121-OA-88	224121-SS-88	224121-IA-89
Matrix		Subslab Vapor	Indoor Air	Outdoor Air	Subslab Vapor	Indoor Air
Depth Interval (ft)		-	-	-	-	-
Date Sampled		03/10/21	03/10/21	03/10/21	03/10/21	03/10/21
Parameter	Units					
Volatile Organic Compounds						
Dichlorodifluoromethane	UG/M3	5.9 U	2.3	2.4	0.69 U	2.3
Ethanol	UG/M3	140 UJ	290 D	21	16 UJ	21
Ethylbenzene	UG/M3	4.8 U	0.52	0.056 U	0.56 U	0.056 U
Methyl ethyl ketone (2-Butanone)	UG/M3	18 U	1.3	0.22 U	2.2 U	0.22 U
Methyl tert-butyl ether	UG/M3	16 U	0.19 U	0.19 U	1.9 U	0.19 U
Methylene chloride	UG/M3	1,400	3.2	3.8	14 U	3.6
Naphthalene	UG/M3	34 UJ	0.40 UJ	0.40 UJ	4.0 U	0.40 UJ
n-Hexane	UG/M3	3.9 U	1.1	0.79	0.46 U	0.93
Styrene	UG/M3	8.6 U	0.10 U	0.10 U	1.0 U	0.10 U
t-Butyl alcohol	UG/M3	8.5 U	0.10 U	0.10 U	1.0 U	0.10 U
Tetrachloroethene	UG/M3	4.0 U	0.047 U	0.047 U	72	0.047 U
Toluene	UG/M3	25 U	3.5	2.4	2.9 U	3.0
Trichloroethene	UG/M3	5.9 U	0.070 U	0.070 U	0.70 U	0.070 U
Trichlorofluoromethane	UG/M3	5.2 U	1.5	1.4	0.62 U	1.4
Vinyl chloride	UG/M3	5.6 U	0.066 U	0.066 U	2.5	0.066 U
m&p-Xylene	UG/M3	11 U	1.9	1.1	1.3 U	1.1
o-Xylene	UG/M3	5.5 U	0.72	0.39	0.65 U	0.43

Flags assigned during chemistry validation are shown.

UG/M3 - Micrograms per cubic meter.

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value.

Only Detected Results Reported.

Detection Limits shown are MDL

TABLE 2
SUMMARY OF DETECTED COMPOUNDS IN 2020/2021 HEATING SEASON SVI SAMPLES
MEEKER AVENUE PLUME TRACKDOWN SITE

Location ID		H-89-SS	H-90-IAA	H-90-IAB	H-90-SSA	H-90-SSB
Sample ID		224121-SS-89	224121-IAA-90	224121-IAB-90	224121-SSA-90	224121-SSB-90
Matrix		Subslab Vapor	Indoor Air	Indoor Air	Subslab Vapor	Subslab Vapor
Depth Interval (ft)		-	-	-	-	-
Date Sampled		03/10/21	03/11/21	03/11/21	03/11/21	03/11/21
Parameter	Units					
Volatile Organic Compounds						
1,1,1-Trichloroethane	UG/M3	0.20 U	0.20 U	1.3 U	22 U	1.0 U
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/M3	0.061 U	0.061 U	0.38 U	6.7 U	0.31 U
1,1-Dichloroethane	UG/M3	0.57	0.028 U	0.18 U	3.1 U	0.14 U
1,1-Dichloroethene	UG/M3	0.032 U	0.032 U	0.20 U	3.5 U	0.16 U
1,2,4-Trimethylbenzene	UG/M3	1.6	43	11	11 U	200
1,2-Dichloroethane	UG/M3	1.4	0.040 U	0.25 U	4.4 U	1.9
1,2-Dichloroethene (cis)	UG/M3	0.040 U	0.040 U	0.25 U	4.3 U	0.20 U
1,2-Dichloroethene (trans)	UG/M3	0.028 U	0.028 U	0.17 U	3.0 U	0.14 U
1,2-Dichloropropane	UG/M3	0.046 U	0.046 U	0.29 U	5.0 U	0.23 U
1,3,5-Trimethylbenzene (Mesitylene)	UG/M3	0.72	13	4.3	12 U	140
1,4-Dichlorobenzene	UG/M3	0.096 U	0.096 U	0.60 U	10 U	0.48 U
1,4-Dioxane	UG/M3	0.11 U	33	72	12 U	0.54 U
2,2,4-Trimethylpentane	UG/M3	0.037 U	6.7	0.23 U	4.1 U	20
4-Methyl-2-pentanone	UG/M3	0.22 U	1.5	1.4 U	24 U	1.1 U
Benzene	UG/M3	0.42	2.1	1.9	2.8 U	5.7
Bromodichloromethane	UG/M3	0.12 U	0.12 U	0.75 U	13 U	0.60 U
Bromoform	UG/M3	0.093 U	0.093 U	0.58 U	10 U	0.47 U
Carbon tetrachloride	UG/M3	0.35	0.43	0.28 U	4.8 U	1.8
Chloroethane	UG/M3	1.4	0.077 U	0.48 U	8.3 U	5.2
Chloroform	UG/M3	0.034 U	0.034 U	0.21 U	3.7 U	0.17 U
Chloromethane	UG/M3	0.14 U	1.7	0.85 U	15 U	0.68 U
Cyclohexane	UG/M3	2.1	1.0	0.49 U	150	10
Dibromochloromethane	UG/M3	0.060 U	0.060 U	0.37 U	6.5 U	0.30 U

Flags assigned during chemistry validation are shown.

UG/M3 - Micrograms per cubic meter.

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value.

Only Detected Results Reported.

Detection Limits shown are MDL

TABLE 2
SUMMARY OF DETECTED COMPOUNDS IN 2020/2021 HEATING SEASON SVI SAMPLES
MEEKER AVENUE PLUME TRACKDOWN SITE

Location ID		H-89-SS	H-90-IAA	H-90-IAB	H-90-SSA	H-90-SSB
Sample ID		224121-SS-89	224121-IAA-90	224121-IAB-90	224121-SSA-90	224121-SSB-90
Matrix		Subslab Vapor	Indoor Air	Indoor Air	Subslab Vapor	Subslab Vapor
Depth Interval (ft)		-	-	-	-	-
Date Sampled		03/10/21	03/11/21	03/11/21	03/11/21	03/11/21
Parameter	Units					
Volatile Organic Compounds						
Dichlorodifluoromethane	UG/M3	2.3	2.6	2.8	7.6 U	3.1
Ethanol	UG/M3	5.3	57	93 J	180 U	25
Ethylbenzene	UG/M3	0.056 U	6.2	0.35 U	6.2 U	17
Methyl ethyl ketone (2-Butanone)	UG/M3	1.4	21	1.3 U	23 U	15
Methyl tert-butyl ether	UG/M3	0.19 U	0.19 U	1.2 U	20 U	0.94 U
Methylene chloride	UG/M3	5.4	8.7	81	150 U	9.5
Naphthalene	UG/M3	3.6 J	1.1 J	2.5 UJ	43 UJ	24 J
n-Hexane	UG/M3	0.70	2.4	0.29 U	5.0 U	24
Styrene	UG/M3	0.10 U	0.74	0.64 U	11 U	0.51 U
t-Butyl alcohol	UG/M3	0.10 U	0.10 U	0.63 U	11 U	0.50 U
Tetrachloroethene	UG/M3	0.61	0.97	0.30 U	5.2 U	6.5
Toluene	UG/M3	1.1	10	5.7	32 U	18
Trichloroethene	UG/M3	1.3	0.070 U	0.44 U	7.6 U	0.35 U
Trichlorofluoromethane	UG/M3	1.7	2.0	0.39 U	6.7 U	4.2
Vinyl chloride	UG/M3	1.2	0.066 U	0.42 U	7.3 U	5.0
m&p-Xylene	UG/M3	0.68	22	6.9	14 U	34
o-Xylene	UG/M3	0.065 U	8.6	3.1	7.1 U	47

Flags assigned during chemistry validation are shown.

UG/M3 - Micrograms per cubic meter.

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value.

Only Detected Results Reported.

Detection Limits shown are MDL

TABLE 2
SUMMARY OF DETECTED COMPOUNDS IN 2020/2021 HEATING SEASON SVI SAMPLES
MEEKER AVENUE PLUME TRACKDOWN SITE

Location ID		H-91-IAA	H-91-IAB	H-91-OA	H-91-SSA	H-91-SSB
Sample ID		224121-IAA-91	224121-IAB-91	224121-OA-91	224121-SSA-91	224121-SSB-91
Matrix		Indoor Air	Indoor Air	Outdoor Air	Subslab Vapor	Subslab Vapor
Depth Interval (ft)		-	-	-	-	-
Date Sampled		03/11/21	03/11/21	03/11/21	03/11/21	03/11/21
Parameter	Units					
Volatile Organic Compounds						
1,1,1-Trichloroethane	UG/M3	10 U	6.7 U	0.20 U	1.3 U	4.8
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/M3	3.1 U	2.0 U	0.061 U	0.38 U	0.31 U
1,1-Dichloroethane	UG/M3	1.4 U	0.94 U	0.028 U	0.18 U	0.14 U
1,1-Dichloroethene	UG/M3	1.6 U	1.1 U	0.032 U	0.20 U	0.16 U
1,2,4-Trimethylbenzene	UG/M3	4.9 U	14	2.6	28	3.9
1,2-Dichloroethane	UG/M3	2.0 U	1.3 U	0.040 U	2.6	2.1
1,2-Dichloroethene (cis)	UG/M3	2.0 U	1.3 U	0.040 U	0.25 U	1.2
1,2-Dichloroethene (trans)	UG/M3	1.4 U	0.93 U	0.028 U	0.17 U	1.7
1,2-Dichloropropane	UG/M3	2.3 U	1.5 U	0.046 U	0.29 U	0.23 U
1,3,5-Trimethylbenzene (Mesitylene)	UG/M3	5.4 U	3.6 U	0.74	10	0.54 U
1,4-Dichlorobenzene	UG/M3	4.8 U	3.2 U	0.096 U	0.60 U	0.48 U
1,4-Dioxane	UG/M3	5.4 U	3.6 U	0.11 U	0.68 U	0.54 U
2,2,4-Trimethylpentane	UG/M3	890	1,200	74	29	17
4-Methyl-2-pentanone	UG/M3	11 U	7.4 U	0.22 U	1.4 U	1.1 U
Benzene	UG/M3	1.3 U	0.85 U	2.6	0.16 U	0.13 U
Bromodichloromethane	UG/M3	6.0 U	4.0 U	0.12 U	0.75 U	0.60 U
Bromoform	UG/M3	4.7 U	3.1 U	0.093 U	0.58 U	0.47 U
Carbon tetrachloride	UG/M3	2.2 U	1.5 U	0.55	0.28 U	0.22 U
Chloroethane	UG/M3	3.8 U	2.6 U	0.077 U	2.1	1.2
Chloroform	UG/M3	1.7 U	1.1 U	0.034 U	0.21 U	14
Chloromethane	UG/M3	6.8 U	4.5 U	1.2	0.85 U	0.68 U
Cyclohexane	UG/M3	4.0 U	2.6 U	3.1	12	5.3
Dibromochloromethane	UG/M3	3.0 U	2.0 U	0.060 U	0.37 U	0.30 U

Flags assigned during chemistry validation are shown.

UG/M3 - Micrograms per cubic meter.

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value.

Only Detected Results Reported.

Detection Limits shown are MDL

TABLE 2
SUMMARY OF DETECTED COMPOUNDS IN 2020/2021 HEATING SEASON SVI SAMPLES
MEEKER AVENUE PLUME TRACKDOWN SITE

Location ID		H-91-IAA	H-91-IAB	H-91-OA	H-91-SSA	H-91-SSB
Sample ID		224121-IAA-91	224121-IAB-91	224121-OA-91	224121-SSA-91	224121-SSB-91
Matrix		Indoor Air	Indoor Air	Outdoor Air	Subslab Vapor	Subslab Vapor
Depth Interval (ft)		-	-	-	-	-
Date Sampled		03/11/21	03/11/21	03/11/21	03/11/21	03/11/21
Parameter	Units					
Volatile Organic Compounds						
Dichlorodifluoromethane	UG/M3	3.5 U	2.3 U	0.78	4.0	13
Ethanol	UG/M3	580 J	770 J	100	10 UJ	8.2 UJ
Ethylbenzene	UG/M3	2.8 U	1.9 U	1.8	2.4	0.28 U
Methyl ethyl ketone (2-Butanone)	UG/M3	11 U	36	3.5	9.6	12
Methyl tert-butyl ether	UG/M3	9.4 U	6.2 U	0.19 U	1.2 U	0.94 U
Methylene chloride	UG/M3	68 U	45 U	3.0	8.6	7.6
Naphthalene	UG/M3	20 UJ	13 U	0.40 U	19	2.0 U
n-Hexane	UG/M3	2.3 U	1.5 U	7.4	0.29 U	4.5
Styrene	UG/M3	5.1 U	3.4 U	0.39	0.64 U	0.51 U
t-Butyl alcohol	UG/M3	5.0 U	3.3 U	0.10 U	0.63 U	0.50 U
Tetrachloroethene	UG/M3	2.4 U	1.6 U	1.8	6.1	120
Toluene	UG/M3	15 U	18	10	4.9	1.5 U
Trichloroethene	UG/M3	3.5 U	2.3 U	0.070 U	7.3	35
Trichlorofluoromethane	UG/M3	3.1 U	2.1 U	1.5	8.9	53
Vinyl chloride	UG/M3	3.3 U	2.2 U	0.066 U	2.2	0.97
m&p-Xylene	UG/M3	6.3 U	22	6.4	11	2.3
o-Xylene	UG/M3	3.3 U	2.2 U	2.3	4.4	0.33 U

Flags assigned during chemistry validation are shown.

UG/M3 - Micrograms per cubic meter.

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value.

Only Detected Results Reported.

Detection Limits shown are MDL

TABLE 2
SUMMARY OF DETECTED COMPOUNDS IN 2020/2021 HEATING SEASON SVI SAMPLES
MEEKER AVENUE PLUME TRACKDOWN SITE

Location ID		H-92-IA	H-92-OA	H-92-SS	H-93-IA	H-93-SS
Sample ID		224121-IA-92	224121-OA-92	224121-SS-92	224121-IA-93	224121-SS-93
Matrix		Indoor Air	Outdoor Air	Subslab Vapor	Indoor Air	Subslab Vapor
Depth Interval (ft)		-	-	-	-	-
Date Sampled		03/11/21	03/11/21	03/11/21	03/11/21	03/11/21
Parameter	Units					
Volatile Organic Compounds						
1,1,1-Trichloroethane	UG/M3	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/M3	0.061 U	0.061 U	0.061 U	0.061 U	0.061 U
1,1-Dichloroethane	UG/M3	0.028 U	0.028 U	2.7	0.028 U	0.62
1,1-Dichloroethene	UG/M3	0.032 U	0.032 U	0.032 U	0.032 U	0.032 U
1,2,4-Trimethylbenzene	UG/M3	0.73	0.81	0.098 U	7.6	0.098 U
1,2-Dichloroethane	UG/M3	0.040 U	0.040 U	6.2	0.040 U	1.3
1,2-Dichloroethene (cis)	UG/M3	0.040 U	0.040 U	0.040 U	0.040 U	0.040 U
1,2-Dichloroethene (trans)	UG/M3	0.028 U	0.028 U	0.028 U	0.028 U	0.028 U
1,2-Dichloropropane	UG/M3	0.046 U	0.046 U	0.046 U	0.046 U	0.046 U
1,3,5-Trimethylbenzene (Mesitylene)	UG/M3	0.11 U	0.11 U	0.11 U	3.4	0.11 U
1,4-Dichlorobenzene	UG/M3	0.096 U	0.096 U	0.096 U	4.7	0.096 U
1,4-Dioxane	UG/M3	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
2,2,4-Trimethylpentane	UG/M3	1.5	1.1	3.2	1.2	0.037 U
4-Methyl-2-pentanone	UG/M3	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U
Benzene	UG/M3	2.8	1.2	0.88	1.3	0.31
Bromodichloromethane	UG/M3	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
Bromoform	UG/M3	0.093 U	0.093 U	0.093 U	0.093 U	0.093 U
Carbon tetrachloride	UG/M3	0.58	0.56	0.41	0.54	0.61
Chloroethane	UG/M3	0.077 U	0.077 U	3.6	0.077 U	0.66
Chloroform	UG/M3	0.98	0.034 U	0.62	1.2	0.034 U
Chloromethane	UG/M3	1.3	1.2	0.14 U	1.1	0.14 U
Cyclohexane	UG/M3	0.72	0.079 U	3.6	0.82	0.079 U
Dibromochloromethane	UG/M3	0.060 U	0.060 U	0.060 U	0.060 U	0.060 U

Flags assigned during chemistry validation are shown.

UG/M3 - Micrograms per cubic meter.

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value.

Only Detected Results Reported.

Detection Limits shown are MDL

TABLE 2
SUMMARY OF DETECTED COMPOUNDS IN 2020/2021 HEATING SEASON SVI SAMPLES
MEEKER AVENUE PLUME TRACKDOWN SITE

Location ID		H-92-IA	H-92-OA	H-92-SS	H-93-IA	H-93-SS
Sample ID		224121-IA-92	224121-OA-92	224121-SS-92	224121-IA-93	224121-SS-93
Matrix		Indoor Air	Outdoor Air	Subslab Vapor	Indoor Air	Subslab Vapor
Depth Interval (ft)		-	-	-	-	-
Date Sampled		03/11/21	03/11/21	03/11/21	03/11/21	03/11/21
Parameter	Units					
Volatile Organic Compounds						
Dichlorodifluoromethane	UG/M3	0.84	0.89	0.90	0.85	0.89
Ethanol	UG/M3	200 DJ	37	7.7	330 DJ	7.3
Ethylbenzene	UG/M3	0.78	0.78	0.48	1.1	0.056 U
Methyl ethyl ketone (2-Butanone)	UG/M3	1.3	3.3	1.9	2.4	1.1
Methyl tert-butyl ether	UG/M3	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
Methylene chloride	UG/M3	3.1	2.8	6.2	8.8	4.1
Naphthalene	UG/M3	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U
n-Hexane	UG/M3	1.3	1.3	34	2.3	0.70
Styrene	UG/M3	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
t-Butyl alcohol	UG/M3	0.10 U	0.10 U	1.0	0.10 U	0.10 U
Tetrachloroethene	UG/M3	2.2	0.97	2.7	1.2	2.2
Toluene	UG/M3	4.9	5.0	1.7	6.5	0.82
Trichloroethene	UG/M3	0.070 U	0.070 U	0.070 U	0.070 U	0.99
Trichlorofluoromethane	UG/M3	1.5	1.5	1.3	1.5	1.5
Vinyl chloride	UG/M3	0.066 U	0.066 U	2.6	0.066 U	0.24
m&p-Xylene	UG/M3	2.6	2.8	1.2	4.6	0.66
o-Xylene	UG/M3	1.0	1.0	0.51	1.9	0.065 U

Flags assigned during chemistry validation are shown.

UG/M3 - Micrograms per cubic meter.

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value.

Only Detected Results Reported.

Detection Limits shown are MDL

TABLE 2
SUMMARY OF DETECTED COMPOUNDS IN 2020/2021 HEATING SEASON SVI SAMPLES
MEEKER AVENUE PLUME TRACKDOWN SITE

Location ID		H-94-IAA	H-94-IAB	H-94-SS	H-95-IAA	H-95-IAB
Sample ID		224121--IAA-94	224121--IAB-94	224121--SS-94	224121-IAA-95	224121-IAB-95
Matrix		Indoor Air	Indoor Air	Subslab Vapor	Indoor Air	Indoor Air
Depth Interval (ft)		-	-	-	-	-
Date Sampled		03/16/21	03/16/21	03/16/21	03/12/21	03/12/21
Parameter	Units					
Volatile Organic Compounds						
1,1,1-Trichloroethane	UG/M3	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/M3	0.061 U	0.061 U	0.061 U	0.061 U	0.061 U
1,1-Dichloroethane	UG/M3	0.028 U	0.028 U	2.9	0.028 U	0.028 U
1,1-Dichloroethene	UG/M3	0.032 U	0.032 U	0.032 U	0.032 U	0.032 U
1,2,4-Trimethylbenzene	UG/M3	0.098 U	0.098 U	0.098 U	7.7	7.8
1,2-Dichloroethane	UG/M3	0.040 U	0.040 U	9.6	0.040 U	0.040 U
1,2-Dichloroethene (cis)	UG/M3	0.040 U	0.040 U	0.040 U	0.040 U	0.040 U
1,2-Dichloroethene (trans)	UG/M3	0.028 U	0.028 U	0.028 U	0.028 U	0.028 U
1,2-Dichloropropane	UG/M3	0.046 U	0.046 U	0.046 U	0.046 U	0.046 U
1,3,5-Trimethylbenzene (Mesitylene)	UG/M3	0.11 U	0.11 U	0.11 U	2.2	2.3
1,4-Dichlorobenzene	UG/M3	0.096 U	0.096 U	0.096 U	0.096 U	0.096 U
1,4-Dioxane	UG/M3	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
2,2,4-Trimethylpentane	UG/M3	0.037 U	0.037 U	0.037 U	13	13
4-Methyl-2-pentanone	UG/M3	0.22 U	0.22 U	1.5	4.5	3.7
Benzene	UG/M3	0.84	0.79	0.68	5.9	5.6
Bromodichloromethane	UG/M3	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
Bromoform	UG/M3	0.093 UJ	0.093 UJ	0.093 UJ	0.093 U	0.093 U
Carbon tetrachloride	UG/M3	0.52	0.52	0.26	0.55	0.51
Chloroethane	UG/M3	0.077 U	0.077 U	3.8	0.077 U	0.077 U
Chloroform	UG/M3	0.49	0.034 U	2.3	0.034 U	0.034 U
Chloromethane	UG/M3	1.3	0.96	0.99	1.0	1.0
Cyclohexane	UG/M3	0.079 U	0.079 U	3.5	7.1	6.9
Dibromochloromethane	UG/M3	0.060 U	0.060 U	0.060 U	0.060 U	0.060 U

Flags assigned during chemistry validation are shown.

UG/M3 - Micrograms per cubic meter.

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value.

Only Detected Results Reported.

Detection Limits shown are MDL

TABLE 2
SUMMARY OF DETECTED COMPOUNDS IN 2020/2021 HEATING SEASON SVI SAMPLES
MEEKER AVENUE PLUME TRACKDOWN SITE

Location ID		H-94-IAA	H-94-IAB	H-94-SS	H-95-IAA	H-95-IAB
Sample ID		224121--IAA-94	224121--IAB-94	224121--SS-94	224121-IAA-95	224121-IAB-95
Matrix		Indoor Air	Indoor Air	Subslab Vapor	Indoor Air	Indoor Air
Depth Interval (ft)		-	-	-	-	-
Date Sampled		03/16/21	03/16/21	03/16/21	03/12/21	03/12/21
Parameter	Units					
Volatile Organic Compounds						
Dichlorodifluoromethane	UG/M3	1.3	1.3	1.6	0.77	0.76
Ethanol	UG/M3	350 D	100 J	37 J	53	64
Ethylbenzene	UG/M3	0.35	0.58	0.056 U	5.0	5.0
Methyl ethyl ketone (2-Butanone)	UG/M3	1.2	0.22 U	10	3.1	3.6
Methyl tert-butyl ether	UG/M3	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
Methylene chloride	UG/M3	3.2	16	1.8	9.8	14
Naphthalene	UG/M3	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U
n-Hexane	UG/M3	0.75	1.4	2.5	16	16
Styrene	UG/M3	0.10 U	0.10 U	0.40	0.56	0.55
t-Butyl alcohol	UG/M3	0.10 U	0.10 U	21	0.10 U	0.10 U
Tetrachloroethene	UG/M3	0.047 U	0.047 U	1.2	0.69	0.74
Toluene	UG/M3	3.9	3.7	1.7	29	27
Trichloroethene	UG/M3	0.070 U	0.070 U	0.070 U	0.070 U	0.070 U
Trichlorofluoromethane	UG/M3	1.4	1.6	1.4	1.1	1.2
Vinyl chloride	UG/M3	0.066 U	0.066 U	2.3	0.066 U	0.066 U
m&p-Xylene	UG/M3	1.1	1.5	0.92	18	17
o-Xylene	UG/M3	0.42	0.56	0.42	5.8	5.7

Flags assigned during chemistry validation are shown.

UG/M3 - Micrograms per cubic meter.

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value.

Only Detected Results Reported.

Detection Limits shown are MDL

TABLE 2
SUMMARY OF DETECTED COMPOUNDS IN 2020/2021 HEATING SEASON SVI SAMPLES
MEEKER AVENUE PLUME TRACKDOWN SITE

Location ID		H-95-SSA	H-95-SSB	H-96-IA	H-96-SS	H-97-IA
Sample ID		224121-SSA-95	224121-SSB-95	224121-IA-96	224121-SS-96	224121-IA-97
Matrix		Subslab Vapor	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air
Depth Interval (ft)		-	-	-	-	-
Date Sampled		03/12/21	03/12/21	03/12/21	03/12/21	03/12/21
Parameter	Units					
Volatile Organic Compounds						
1,1,1-Trichloroethane	UG/M3	0.20 U	2.0	0.20 U	4.5	0.20 U
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/M3	0.061 U	0.061 U	0.061 U	0.061 U	0.061 U
1,1-Dichloroethane	UG/M3	1.7	0.028 U	0.028 U	0.69	0.028 U
1,1-Dichloroethene	UG/M3	0.032 U	0.032 U	0.032 U	0.032 U	0.032 U
1,2,4-Trimethylbenzene	UG/M3	1.1	0.098 U	11	1.0	3.7
1,2-Dichloroethane	UG/M3	5.7	0.040 U	0.040 U	2.2	0.040 U
1,2-Dichloroethene (cis)	UG/M3	0.040 U	0.040 U	0.040 U	0.040 U	0.040 U
1,2-Dichloroethene (trans)	UG/M3	0.028 U	0.028 U	0.028 U	0.028 U	0.028 U
1,2-Dichloropropane	UG/M3	0.046 U	0.046 U	0.046 U	0.046 U	0.046 U
1,3,5-Trimethylbenzene (Mesitylene)	UG/M3	0.54	0.11 U	3.0	0.47	1.0
1,4-Dichlorobenzene	UG/M3	0.096 U	0.096 U	0.096 U	0.096 U	0.096 U
1,4-Dioxane	UG/M3	1.2	0.87	0.11 U	4.2	0.11 U
2,2,4-Trimethylpentane	UG/M3	12	1.2	9.0	0.037 U	12
4-Methyl-2-pentanone	UG/M3	3.0	0.22 U	5.9	2.1	3.3
Benzene	UG/M3	7.0	0.93	3.6	0.85	4.2
Bromodichloromethane	UG/M3	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
Bromoform	UG/M3	0.093 U	0.093 U	0.093 U	0.093 U	0.093 U
Carbon tetrachloride	UG/M3	0.34	0.20	0.56	0.27	0.56
Chloroethane	UG/M3	2.5	0.37	0.077 U	1.4	0.077 U
Chloroform	UG/M3	0.77	0.70	0.034 U	8.5	0.034 U
Chloromethane	UG/M3	0.94	0.14 U	0.89	0.14 U	0.79
Cyclohexane	UG/M3	5.1	0.94	5.1	1.4	6.2
Dibromochloromethane	UG/M3	0.060 U	0.060 U	0.060 U	0.060 U	0.060 U

Flags assigned during chemistry validation are shown.

UG/M3 - Micrograms per cubic meter.

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value.

Only Detected Results Reported.

Detection Limits shown are MDL

TABLE 2
SUMMARY OF DETECTED COMPOUNDS IN 2020/2021 HEATING SEASON SVI SAMPLES
MEEKER AVENUE PLUME TRACKDOWN SITE

Location ID		H-95-SSA	H-95-SSB	H-96-IA	H-96-SS	H-97-IA
Sample ID		224121-SSA-95	224121-SSB-95	224121-IA-96	224121-SS-96	224121-IA-97
Matrix		Subslab Vapor	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air
Depth Interval (ft)		-	-	-	-	-
Date Sampled		03/12/21	03/12/21	03/12/21	03/12/21	03/12/21
Parameter	Units					
Volatile Organic Compounds						
Dichlorodifluoromethane	UG/M3	0.77	0.77	0.78	0.98	0.73
Ethanol	UG/M3	52	30	36	130	43
Ethylbenzene	UG/M3	1.6	0.056 U	4.7	0.54	3.5
Methyl ethyl ketone (2-Butanone)	UG/M3	9.4	3.0	2.2	19	2.5
Methyl tert-butyl ether	UG/M3	0.19 U	0.19 U	0.19 U	0.67	0.19 U
Methylene chloride	UG/M3	13	8.4	14	13	12
Naphthalene	UG/M3	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U
n-Hexane	UG/M3	14	1.2	11	3.4	14
Styrene	UG/M3	0.10 U	0.10 U	0.49	0.10 U	0.10 U
t-Butyl alcohol	UG/M3	3.3	1.8	0.10 U	6.9	0.10 U
Tetrachloroethene	UG/M3	13	76	0.63	25	1.9
Toluene	UG/M3	15	2.6	24	3.4	22
Trichloroethene	UG/M3	5.1	61	0.070 U	3.4	0.070 U
Trichlorofluoromethane	UG/M3	2.2	4.7	1.2	5.4	1.1
Vinyl chloride	UG/M3	1.3	0.23	0.066 U	0.82	0.066 U
m&p-Xylene	UG/M3	4.0	0.78	16	1.7	12
o-Xylene	UG/M3	1.7	0.35	5.7	0.97	4.0

Flags assigned during chemistry validation are shown.

UG/M3 - Micrograms per cubic meter.

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value.

Only Detected Results Reported.

Detection Limits shown are MDL

TABLE 2
SUMMARY OF DETECTED COMPOUNDS IN 2020/2021 HEATING SEASON SVI SAMPLES
MEEKER AVENUE PLUME TRACKDOWN SITE

Location ID		H-97-OA	H-97-SS	H-98-IA	H-98-OA	H-98-SS
Sample ID		224121-OA-97	224121-SS-97	224121-IA-98	224121-OA-98	224121-SS-98
Matrix		Outdoor Air	Subslab Vapor	Indoor Air	Outdoor Air	Subslab Vapor
Depth Interval (ft)		-	-	-	-	-
Date Sampled		03/12/21	03/12/21	03/13/21	03/13/21	03/13/21
Parameter	Units					
Volatile Organic Compounds						
1,1,1-Trichloroethane	UG/M3	0.20 U	2.0 U	0.20 U	0.20 U	0.20 U
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/M3	0.061 U	0.61 U	0.061 U	0.061 U	0.061 U
1,1-Dichloroethane	UG/M3	0.028 U	0.28 U	0.028 U	0.028 U	1.2
1,1-Dichloroethene	UG/M3	0.032 U	0.32 U	0.032 U	0.032 U	0.032 U
1,2,4-Trimethylbenzene	UG/M3	1.4	38	0.47	0.098 U	0.098 U
1,2-Dichloroethane	UG/M3	0.040 U	4.6	0.040 U	0.040 U	2.4
1,2-Dichloroethene (cis)	UG/M3	0.040 U	0.40 U	0.040 U	0.040 U	0.040 U
1,2-Dichloroethene (trans)	UG/M3	0.028 U	0.28 U	0.028 U	0.028 U	0.028 U
1,2-Dichloropropane	UG/M3	0.046 U	0.46 U	0.046 U	0.046 U	0.046 U
1,3,5-Trimethylbenzene (Mesitylene)	UG/M3	0.41	12	0.11 U	0.11 U	0.11 U
1,4-Dichlorobenzene	UG/M3	0.096 U	0.96 U	0.096 U	0.096 U	0.096 U
1,4-Dioxane	UG/M3	0.11 U	1.1 U	0.11 U	0.11 U	0.11 U
2,2,4-Trimethylpentane	UG/M3	5.7	0.37 U	0.037 U	0.037 U	0.037 U
4-Methyl-2-pentanone	UG/M3	0.22 U	2.2 U	0.22 U	0.22 U	0.22 U
Benzene	UG/M3	2.2	6.5	0.60	0.53	0.026 U
Bromodichloromethane	UG/M3	0.12 U	1.2 U	0.12 U	0.12 U	0.12 U
Bromoform	UG/M3	0.093 U	0.93 U	0.093 U	0.093 U	0.093 U
Carbon tetrachloride	UG/M3	0.50	0.44 U	0.54	0.54	0.55
Chloroethane	UG/M3	0.077 U	2.4	0.077 U	0.077 U	0.83
Chloroform	UG/M3	0.034 U	5.6	0.52	0.034 U	0.034 U
Chloromethane	UG/M3	1.2	1.4 U	1.4	1.3	0.14 U
Cyclohexane	UG/M3	3.0	0.79 U	0.079 U	0.079 U	0.079 U
Dibromochloromethane	UG/M3	0.060 U	0.60 U	0.060 U	0.060 U	0.060 U

Flags assigned during chemistry validation are shown.

UG/M3 - Micrograms per cubic meter.

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value.

Only Detected Results Reported.

Detection Limits shown are MDL

TABLE 2
SUMMARY OF DETECTED COMPOUNDS IN 2020/2021 HEATING SEASON SVI SAMPLES
MEEKER AVENUE PLUME TRACKDOWN SITE

Location ID		H-97-OA	H-97-SS	H-98-IA	H-98-OA	H-98-SS
Sample ID		224121-OA-97	224121-SS-97	224121-IA-98	224121-OA-98	224121-SS-98
Matrix		Outdoor Air	Subslab Vapor	Indoor Air	Outdoor Air	Subslab Vapor
Depth Interval (ft)		-	-	-	-	-
Date Sampled		03/12/21	03/12/21	03/13/21	03/13/21	03/13/21
Parameter	Units					
Volatile Organic Compounds						
Dichlorodifluoromethane	UG/M3	0.80	0.69 U	1.3	1.3	1.3
Ethanol	UG/M3	40	16 U	120 J	14 J	5.5 J
Ethylbenzene	UG/M3	2.6	0.56 U	0.056 U	0.056 U	0.056 U
Methyl ethyl ketone (2-Butanone)	UG/M3	3.0	32	0.22 U	1.2	1.0
Methyl tert-butyl ether	UG/M3	0.19 U	1.9 U	0.19 U	0.19 U	0.19 U
Methylene chloride	UG/M3	9.9	14 U	4.8	1.4	1.4 U
Naphthalene	UG/M3	0.40 U	27	0.40 U	0.40 U	0.40 U
n-Hexane	UG/M3	7.2	150	1.1	0.046 U	0.046 U
Styrene	UG/M3	0.10 U	1.0 U	0.10 U	0.10 U	0.10 U
t-Butyl alcohol	UG/M3	0.10 U	11	0.10 U	0.10 U	0.10 U
Tetrachloroethene	UG/M3	0.047 U	1,100	0.047 U	0.047 U	0.74
Toluene	UG/M3	16	7.9	1.3	0.54	0.29 U
Trichloroethene	UG/M3	0.070 U	35	0.070 U	0.070 U	0.070 U
Trichlorofluoromethane	UG/M3	1.2	10	1.5	1.3	1.4
Vinyl chloride	UG/M3	0.066 U	1.9	0.066 U	0.066 U	0.29
m&p-Xylene	UG/M3	9.7	8.2	0.83	0.13 U	0.45
o-Xylene	UG/M3	2.7	4.1	0.065 U	0.065 U	0.065 U

Flags assigned during chemistry validation are shown.

UG/M3 - Micrograms per cubic meter.

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value.

Only Detected Results Reported.

Detection Limits shown are MDL

TABLE 2
SUMMARY OF DETECTED COMPOUNDS IN 2020/2021 HEATING SEASON SVI SAMPLES
MEEKER AVENUE PLUME TRACKDOWN SITE

Location ID		H-99-IA	H-99-OA	H-99-SS
Sample ID		224121-IA-99	224121-OA-99	224121-SS-99
Matrix		Indoor Air	Outdoor Air	Subslab Vapor
Depth Interval (ft)		-	-	-
Date Sampled		03/14/21	03/14/21	03/14/21
Parameter	Units			
Volatile Organic Compounds				
1,1,1-Trichloroethane	UG/M3	0.20 U	0.20 U	0.20 U
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/M3	0.061 U	0.061 U	0.061 U
1,1-Dichloroethane	UG/M3	0.028 U	0.028 U	0.89
1,1-Dichloroethene	UG/M3	0.032 U	0.032 U	0.032 U
1,2,4-Trimethylbenzene	UG/M3	11	0.098 U	2.2
1,2-Dichloroethane	UG/M3	0.58	0.040 U	3.9
1,2-Dichloroethene (cis)	UG/M3	0.040 U	0.040 U	0.040 U
1,2-Dichloroethene (trans)	UG/M3	0.028 U	0.028 U	0.028 U
1,2-Dichloropropane	UG/M3	0.046 U	0.046 U	0.046 U
1,3,5-Trimethylbenzene (Mesitylene)	UG/M3	3.1	0.11 U	2.5
1,4-Dichlorobenzene	UG/M3	12	0.096 U	0.096 U
1,4-Dioxane	UG/M3	0.11 U	0.11 U	0.11 U
2,2,4-Trimethylpentane	UG/M3	21	0.037 U	0.037 U
4-Methyl-2-pentanone	UG/M3	0.22 U	0.22 U	0.85
Benzene	UG/M3	5.1	0.46	0.026 U
Bromodichloromethane	UG/M3	0.12 U	0.12 U	0.12 U
Bromoform	UG/M3	0.093 U	0.093 U	0.093 U
Carbon tetrachloride	UG/M3	0.57	0.49	0.31
Chloroethane	UG/M3	0.077 U	0.077 U	0.77
Chloroform	UG/M3	0.73	0.034 U	1.8
Chloromethane	UG/M3	1.0	0.95	0.14 U
Cyclohexane	UG/M3	5.9	0.079 U	0.80
Dibromochloromethane	UG/M3	0.060 U	0.060 U	0.060 U

Flags assigned during chemistry validation are shown.

UG/M3 - Micrograms per cubic meter.

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value.

Only Detected Results Reported.

Detection Limits shown are MDL

TABLE 2
SUMMARY OF DETECTED COMPOUNDS IN 2020/2021 HEATING SEASON SVI SAMPLES
MEEKER AVENUE PLUME TRACKDOWN SITE

Location ID		H-99-IA	H-99-OA	H-99-SS
Sample ID		224121-IA-99	224121-OA-99	224121-SS-99
Matrix		Indoor Air	Outdoor Air	Subslab Vapor
Depth Interval (ft)		-	-	-
Date Sampled		03/14/21	03/14/21	03/14/21
Parameter	Units			
Volatile Organic Compounds				
Dichlorodifluoromethane	UG/M3	1.1	1.2	1.2
Ethanol	UG/M3	480 DJ	7.0 J	9.2 J
Ethylbenzene	UG/M3	8.8	0.056 U	1.8
Methyl ethyl ketone (2-Butanone)	UG/M3	3.4	0.22 U	2.7
Methyl tert-butyl ether	UG/M3	0.68	0.19 U	0.19 U
Methylene chloride	UG/M3	2.9	3.7	1.4 U
Naphthalene	UG/M3	0.40 U	0.40 U	1.1
n-Hexane	UG/M3	7.9	0.046 U	0.83
Styrene	UG/M3	3.3	0.10 U	0.10 U
t-Butyl alcohol	UG/M3	0.10 U	0.10 U	0.10 U
Tetrachloroethene	UG/M3	0.047 U	0.047 U	1.3
Toluene	UG/M3	48	0.98	0.87
Trichloroethene	UG/M3	0.070 U	0.070 U	0.070 U
Trichlorofluoromethane	UG/M3	1.4	1.3	1.4
Vinyl chloride	UG/M3	0.066 U	0.066 U	0.31
m&p-Xylene	UG/M3	28	0.41	14
o-Xylene	UG/M3	11	0.065 U	18

Flags assigned during chemistry validation are shown.

UG/M3 - Micrograms per cubic meter.

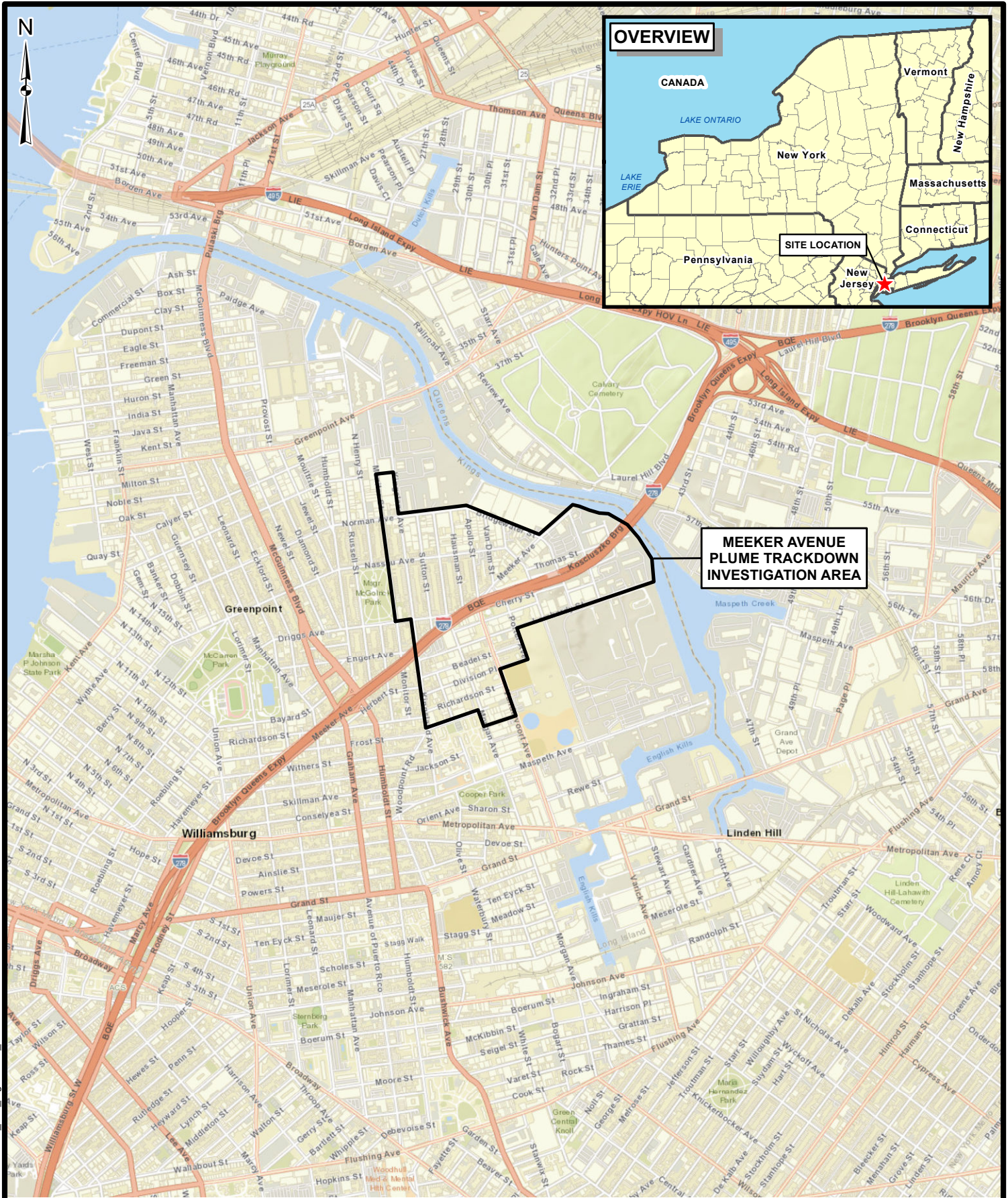
J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value.

Only Detected Results Reported.

Detection Limits shown are MDL

FIGURES



OVERVIEW

**MEEKER AVENUE
PLUME TRACKDOWN
INVESTIGATION AREA**

2,000 0 2,000 Feet

Source: ESRI World Street Map



**2021 SVI INVESTIGATION
SITE LOCATION MAP
MEEKER AVENUE PLUME TRACKDOWN**

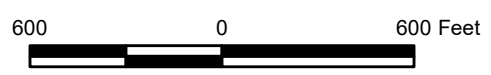
FIGURE 1

C:\Users\maxwell\Documents\Meeker\2021_SVI_Figures\01_Site Location.mxd 5/12/2021



Legend

- Site Investigation Area Boundary
- Meeker Avenue Plume Trackdown Project Boundary



**MEEKER AVENUE PLUME TRACKDOWN
BROOKLYN, KINGS COUNTY, NY
SITE INVESTIGATION AREA**

FIGURE 2

APPENDIX A

DATA USABILITY SUMMARY REPORTS

VALIDATA

Chemical Services, Inc.

2159 Wynnton Pointe, Duluth, GA 30097

(770) 232-0130

(770) 232-5082 (Fax)

www.datavalidator.com

DATA USABILITY SUMMARY REPORT

COMPANY: AECOM Technical Services Northeast, Inc.
PROJECT NAME: Meeker Ave. Plume Trackdown #224121
CONTRACTED LAB: Eurofins Test America, Knoxville
QA/QC LEVEL: DUSR
ANALYTICAL METHOD(S): EPA Method TO-15
VALIDATION GUIDELINES: USEPA Region II data validation SOP ((VOA-TO15 HW-31 Rev.6, Analysis of VOCs in Air contained in Canisters by Method TO-15, September 2016), Professional Judgment
SAMPLE MATRIX: Air
TYPES OF ANALYSES: Volatile Organic Compounds (VOC)
DATA REVIEWER(S): Amy L. Hogan
SDG NUMBER: 140-22254-1
SAMPLING DATE(S): March 10, 2021

SAMPLES:

<u>Client Sample ID</u>	<u>Laboratory ID</u>	<u>VOC</u>
224121-SSA-86	140-22254-1	X
224121-SSA-86DL	140-22254-1DL	X
224121-IAA-86	140-22254-2	X
224121-IAA-86DL	140-22254-2DL	X
224121-SSB-86	140-22254-3	X
224121-IAB-86	140-22254-4	X
224121-IAB-86DL	140-22254-4DL	X
224121-SSA-87	140-22254-5	X
224121-IAA-87	140-22254-6	X
224121-SSB-87	140-22254-7	X
224121-IAB-87	140-22254-8	X
224121-IAB-87DL	140-22254-8DL	X

Suffix Codes: DL= DILUTION, MS = MATRIX SPIKE,
MSD = MATRIX SPIKE DUPLICATE, RE = REANALYSIS

Qualifier	Definition
U	The analyte was not detected and was reported as less than the LOD or as defined by the customer. The LOD has been adjusted for any dilution or concentration of the sample.
J	The reported result was an estimated value with an unknown bias.
J+	The result was an estimated quantity, but the result may be biased high.
J-	The result was an estimated quantity, but the result may be biased low.
N	The analysis indicates the presence of an analyte for which there was presumptive evidence to make a "tentative identification."
NJ	The analyte has been "tentatively identified" or "presumptively" as present and the associated numerical value was the estimated concentration in the sample.
UJ	The analyte was not detected and was reported as less than the LOD or as defined by the customer. However, the associated numerical value is approximate.
X	The sample results (including non-detects) were affected by serious deficiencies in the ability to analyze the sample and to meet published method and project quality control criteria. The presence or absence of the analyte cannot be substantiated by the data provided. Acceptance or rejection of the data should be decided by the project team (which should include a project chemist), but exclusion of the data is recommended.

DATA USABILITY SUMMARY

Eurofins Test America, Knoxville – 140-22254-1

VOLATILE ORGANICS

SUMMARY

I.) General:

The analyses for Volatile Organics were performed per EPA Method TO-15.

Appendix A contains the qualified sample summary reports.

II.) Overall Assessment of Data:

All laboratory data were acceptable with qualifications.

It was noted on the Chain of Custody that the samples were received without a custody seal.

III.) Holding Times:

All Holding Time criteria were met. No data qualification was necessary.

IV.) GC/MS Tuning:

All GC/MS Tuning criteria were met. No data qualification was necessary.

V.) Calibration:

Initial Calibration:

All Initial Calibration criteria were met. No data qualification was necessary.

Initial Calibration Verification:

All Initial Calibration Verification criteria were met. No data qualification was necessary.

Continuing Calibration:

The Percent Differences (%Ds) for the standards run on 3/18/21 at 09:10 on instrument MH exceeded the 30% QC limit for the following compounds:

1,2-dichlorotetrafluoroethane	98.4%
-------------------------------	-------

bromomethane	59.2%
ethanol	-34.8%
naphthalene	47.8%
hexachlorobutadiene	56.1%

The positive and non-detect results for these compounds in associated samples 224121-SSA-87, 224121-IAA-87 and 224121-SSB-87 were qualified as estimated (J) and (UJ).

VI.) Blanks:

Method Blanks:

There were no detections in the method blanks for this SDG. No data qualification was necessary.

Canister Blanks:

There were no detects in the canister check blanks for this SDG. No data qualification was necessary.

VII.) Surrogate Recoveries:

All Surrogate Recovery criteria were met. No data qualification was necessary.

VIII.) Laboratory Control Samples (LCS):

Three LCS were analyzed by the laboratory for this SDG. The Percent Recoveries (%Rs) for LCS 140-47813 were outside the 70-130% QC limits for the following compounds:

1,2-dichlorotetrafluoroethane	198%
bromomethane	159%
hexachlorobutadiene	156%
naphthalene	148%
ethanol	65%

The positive and non-detect ethanol results for associated samples 224121-SSA-87, 224121-IAA-87 and 224121-SSB-87 were qualified as estimated (J) and (UJ). Since the results for the other listed compounds were all non-detects, no further data qualification was necessary.

IX.) Field Duplicates:

There were no field duplicate samples identified as part of this SDG. No data qualification was necessary.

XI.) TCL Compound Identification:

All TCL Compound Identification criteria were met. No data qualification was necessary.

XII.) Internal Standards Performance (ISTD):

All ISTD criteria were met. No data qualification was necessary.

XIII.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL):

The initial analysis ethanol results for sample 22421-SSA-86, 224121-IAA-86, 224121-IAB-86 and 224121-IAB-87 and methylene chloride result for sample 224121-IAB-87 exceeded the linear calibration range. A dilution analysis was performed for each sample with all calibration criteria met. Based on the linear calibration range, the validator has determined that the dilution analysis results for each of the listed compounds in the identified samples were of preferable data quality to the initial analysis results. The over range results in the initial analyses for the listed samples, which were denoted by an "E" were lined through and replaced with the dilution analysis results.

All other CRQL criteria were met.

Appendix A
Qualified Form Is

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22254-1

Client Sample ID: 224121-SSA-86

Lab Sample ID: 140-22254-1

Date Collected: 03/10/21 08:39

Matrix: Air

Date Received: 03/11/21 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	2.4		0.080		ppb v/v			03/12/21 19:17	1
1,1,2,2-Tetrachloroethane	ND		0.080		ppb v/v			03/12/21 19:17	1
1,1,2-Trichloroethane	ND		0.080		ppb v/v			03/12/21 19:17	1
1,1,2-Trichlorotrifluoroethane	ND		0.080		ppb v/v			03/12/21 19:17	1
1,1-Dichloroethane	0.23		0.080		ppb v/v			03/12/21 19:17	1
1,1-Dichloroethene	ND		0.040		ppb v/v			03/12/21 19:17	1
1,2,4-Trichlorobenzene	ND		0.080		ppb v/v			03/12/21 19:17	1
1,2,4-Trimethylbenzene	4.9		0.080		ppb v/v			03/12/21 19:17	1
1,2-Dibromoethane	ND		0.080		ppb v/v			03/12/21 19:17	1
1,2-Dichlorobenzene	ND		0.080		ppb v/v			03/12/21 19:17	1
1,2-Dichloroethane	0.62		0.080		ppb v/v			03/12/21 19:17	1
1,2-Dichloropropane	ND		0.080		ppb v/v			03/12/21 19:17	1
1,2-Dichlorotetrafluoroethane	ND		0.080		ppb v/v			03/12/21 19:17	1
1,3,5-Trimethylbenzene	2.0		0.080		ppb v/v			03/12/21 19:17	1
1,3-Dichlorobenzene	ND		0.080		ppb v/v			03/12/21 19:17	1
1,4-Dichlorobenzene	ND		0.080		ppb v/v			03/12/21 19:17	1
1,4-Dioxane	ND		0.20		ppb v/v			03/12/21 19:17	1
2,2,4-Trimethylpentane	ND		0.20		ppb v/v			03/12/21 19:17	1
2-Butanone	3.4		0.32		ppb v/v			03/12/21 19:17	1
4-Methyl-2-pentanone (MIBK)	0.52		0.20		ppb v/v			03/12/21 19:17	1
Benzene	3.4		0.080		ppb v/v			03/12/21 19:17	1
Benzyl chloride	ND		0.16		ppb v/v			03/12/21 19:17	1
Bromodichloromethane	ND		0.080		ppb v/v			03/12/21 19:17	1
Bromoform	ND		0.080		ppb v/v			03/12/21 19:17	1
Bromomethane	ND		0.080		ppb v/v			03/12/21 19:17	1
Carbon tetrachloride	0.036		0.032		ppb v/v			03/12/21 19:17	1
Chlorobenzene	ND		0.080		ppb v/v			03/12/21 19:17	1
Chloroethane	0.64		0.080		ppb v/v			03/12/21 19:17	1
Chloroform	1.9		0.080		ppb v/v			03/12/21 19:17	1
Chloromethane	ND		0.20		ppb v/v			03/12/21 19:17	1
cis-1,2-Dichloroethene	ND		0.040		ppb v/v			03/12/21 19:17	1
cis-1,3-Dichloropropene	ND		0.080		ppb v/v			03/12/21 19:17	1
Cyclohexane	6.8		0.20		ppb v/v			03/12/21 19:17	1
Dibromochloromethane	ND		0.080		ppb v/v			03/12/21 19:17	1
Dichlorodifluoromethane	0.24		0.080		ppb v/v			03/12/21 19:17	1
Ethanol	91	E	2.0		ppb v/v			03/12/21 19:17	1
Ethylbenzene	1.2		0.080		ppb v/v			03/12/21 19:17	1
Hexachlorobutadiene	ND		0.080		ppb v/v			03/12/21 19:17	1
Hexane	15		0.20		ppb v/v			03/12/21 19:17	1
Methyl tert-butyl ether	ND		0.16		ppb v/v			03/12/21 19:17	1
Methylene Chloride	4.0		0.40		ppb v/v			03/12/21 19:17	1
m-Xylene & p-Xylene	8.6		0.080		ppb v/v			03/12/21 19:17	1
Naphthalene	0.46		0.20		ppb v/v			03/12/21 19:17	1
o-Xylene	2.9		0.080		ppb v/v			03/12/21 19:17	1
Styrene	ND		0.080		ppb v/v			03/12/21 19:17	1
t-Butyl alcohol	0.90		0.32		ppb v/v			03/12/21 19:17	1
Tetrachloroethene	2.1		0.080		ppb v/v			03/12/21 19:17	1
Toluene	10		0.12		ppb v/v			03/12/21 19:17	1

Client Sample Results

Client: New York State D.E.C.
 Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22254-1

Client Sample ID: 224121-SSA-86

Lab Sample ID: 140-22254-1

Date Collected: 03/10/21 08:39

Matrix: Air

Date Received: 03/11/21 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		0.080		ppb v/v			03/12/21 19:17	1
trans-1,3-Dichloropropene	ND		0.080		ppb v/v			03/12/21 19:17	1
Trichloroethene	0.33		0.036		ppb v/v			03/12/21 19:17	1
Trichlorofluoromethane	0.97		0.080		ppb v/v			03/12/21 19:17	1
Vinyl chloride	0.52		0.040		ppb v/v			03/12/21 19:17	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	13		0.44		ug/m3			03/12/21 19:17	1
1,1,2,2-Tetrachloroethane	ND		0.55		ug/m3			03/12/21 19:17	1
1,1,2-Trichloroethane	ND		0.44		ug/m3			03/12/21 19:17	1
1,1,2-Trichlorotrifluoroethane	ND		0.61		ug/m3			03/12/21 19:17	1
1,1-Dichloroethane	0.92		0.32		ug/m3			03/12/21 19:17	1
1,1-Dichloroethene	ND		0.16		ug/m3			03/12/21 19:17	1
1,2,4-Trichlorobenzene	ND		0.59		ug/m3			03/12/21 19:17	1
1,2,4-Trimethylbenzene	24		0.39		ug/m3			03/12/21 19:17	1
1,2-Dibromoethane	ND		0.61		ug/m3			03/12/21 19:17	1
1,2-Dichlorobenzene	ND		0.48		ug/m3			03/12/21 19:17	1
1,2-Dichloroethane	2.5		0.32		ug/m3			03/12/21 19:17	1
1,2-Dichloropropane	ND		0.37		ug/m3			03/12/21 19:17	1
1,2-Dichlorotetrafluoroethane	ND		0.56		ug/m3			03/12/21 19:17	1
1,3,5-Trimethylbenzene	9.9		0.39		ug/m3			03/12/21 19:17	1
1,3-Dichlorobenzene	ND		0.48		ug/m3			03/12/21 19:17	1
1,4-Dichlorobenzene	ND		0.48		ug/m3			03/12/21 19:17	1
1,4-Dioxane	ND		0.72		ug/m3			03/12/21 19:17	1
2,2,4-Trimethylpentane	ND		0.93		ug/m3			03/12/21 19:17	1
2-Butanone	10		0.94		ug/m3			03/12/21 19:17	1
4-Methyl-2-pentanone (MIBK)	2.1		0.82		ug/m3			03/12/21 19:17	1
Benzene	11		0.26		ug/m3			03/12/21 19:17	1
Benzyl chloride	ND		0.83		ug/m3			03/12/21 19:17	1
Bromodichloromethane	ND		0.54		ug/m3			03/12/21 19:17	1
Bromoform	ND		0.83		ug/m3			03/12/21 19:17	1
Bromomethane	ND		0.31		ug/m3			03/12/21 19:17	1
Carbon tetrachloride	0.23		0.20		ug/m3			03/12/21 19:17	1
Chlorobenzene	ND		0.37		ug/m3			03/12/21 19:17	1
Chloroethane	1.7		0.21		ug/m3			03/12/21 19:17	1
Chloroform	9.2		0.39		ug/m3			03/12/21 19:17	1
Chloromethane	ND		0.41		ug/m3			03/12/21 19:17	1
cis-1,2-Dichloroethene	ND		0.16		ug/m3			03/12/21 19:17	1
cis-1,3-Dichloropropene	ND		0.36		ug/m3			03/12/21 19:17	1
Cyclohexane	23		0.69		ug/m3			03/12/21 19:17	1
Dibromochloromethane	ND		0.68		ug/m3			03/12/21 19:17	1
Dichlorodifluoromethane	1.2		0.40		ug/m3			03/12/21 19:17	1
Ethanol	220	..170..E	3.8		ug/m3			03/12/21 19:17	1
Ethylbenzene	5.4		0.35		ug/m3			03/12/21 19:17	1
Hexachlorobutadiene	ND		0.85		ug/m3			03/12/21 19:17	1
Hexane	51		0.70		ug/m3			03/12/21 19:17	1
Methyl tert-butyl ether	ND		0.58		ug/m3			03/12/21 19:17	1
Methylene Chloride	14		1.4		ug/m3			03/12/21 19:17	1
m-Xylene & p-Xylene	37		0.35		ug/m3			03/12/21 19:17	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22254-1

Client Sample ID: 224121-SSA-86

Lab Sample ID: 140-22254-1

Date Collected: 03/10/21 08:39

Matrix: Air

Date Received: 03/11/21 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	2.4		1.0		ug/m3			03/12/21 19:17	1
o-Xylene	13		0.35		ug/m3			03/12/21 19:17	1
Styrene	ND		0.34		ug/m3			03/12/21 19:17	1
t-Butyl alcohol	2.7		0.97		ug/m3			03/12/21 19:17	1
Tetrachloroethene	14		0.54		ug/m3			03/12/21 19:17	1
Toluene	39		0.45		ug/m3			03/12/21 19:17	1
trans-1,2-Dichloroethene	ND		0.32		ug/m3			03/12/21 19:17	1
trans-1,3-Dichloropropene	ND		0.36		ug/m3			03/12/21 19:17	1
Trichloroethene	1.8		0.19		ug/m3			03/12/21 19:17	1
Trichlorofluoromethane	5.5		0.45		ug/m3			03/12/21 19:17	1
Vinyl chloride	1.3		0.10		ug/m3			03/12/21 19:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		60 - 140		03/12/21 19:17	1

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethanol	120	D	5.0		ppb v/v			03/17/21 16:11	1
Ethanol	220	D	9.4		ug/m3			03/17/21 16:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		60 - 140		03/17/21 16:11	1

Client Sample ID: 224121-IAA-86

Lab Sample ID: 140-22254-2

Date Collected: 03/10/21 08:40

Matrix: Air

Date Received: 03/11/21 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.080		ppb v/v			03/12/21 20:08	1
1,1,2,2-Tetrachloroethane	ND		0.080		ppb v/v			03/12/21 20:08	1
1,1,2-Trichloroethane	ND		0.080		ppb v/v			03/12/21 20:08	1
1,1,2-Trichlorotrifluoroethane	ND		0.080		ppb v/v			03/12/21 20:08	1
1,1-Dichloroethane	ND		0.080		ppb v/v			03/12/21 20:08	1
1,1-Dichloroethene	ND		0.040		ppb v/v			03/12/21 20:08	1
1,2,4-Trichlorobenzene	ND		0.080		ppb v/v			03/12/21 20:08	1
1,2,4-Trimethylbenzene	2.1		0.080		ppb v/v			03/12/21 20:08	1
1,2-Dibromoethane	ND		0.080		ppb v/v			03/12/21 20:08	1
1,2-Dichlorobenzene	ND		0.080		ppb v/v			03/12/21 20:08	1
1,2-Dichloroethane	ND		0.080		ppb v/v			03/12/21 20:08	1
1,2-Dichloropropane	ND		0.080		ppb v/v			03/12/21 20:08	1
1,2-Dichlorotetrafluoroethane	ND		0.080		ppb v/v			03/12/21 20:08	1
1,3,5-Trimethylbenzene	0.63		0.080		ppb v/v			03/12/21 20:08	1
1,3-Dichlorobenzene	ND		0.080		ppb v/v			03/12/21 20:08	1
1,4-Dichlorobenzene	0.14		0.080		ppb v/v			03/12/21 20:08	1
1,4-Dioxane	ND		0.20		ppb v/v			03/12/21 20:08	1
2,2,4-Trimethylpentane	0.69		0.20		ppb v/v			03/12/21 20:08	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22254-1

Client Sample ID: 224121-IAA-86

Lab Sample ID: 140-22254-2

Date Collected: 03/10/21 08:40

Matrix: Air

Date Received: 03/11/21 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone	5.0		0.32		ppb v/v			03/12/21 20:08	1
4-Methyl-2-pentanone (MIBK)	ND		0.20		ppb v/v			03/12/21 20:08	1
Benzene	0.72		0.080		ppb v/v			03/12/21 20:08	1
Benzyl chloride	ND		0.16		ppb v/v			03/12/21 20:08	1
Bromodichloromethane	ND		0.080		ppb v/v			03/12/21 20:08	1
Bromoform	ND		0.080		ppb v/v			03/12/21 20:08	1
Bromomethane	ND		0.080		ppb v/v			03/12/21 20:08	1
Carbon tetrachloride	0.090		0.032		ppb v/v			03/12/21 20:08	1
Chlorobenzene	ND		0.080		ppb v/v			03/12/21 20:08	1
Chloroethane	ND		0.080		ppb v/v			03/12/21 20:08	1
Chloroform	ND		0.080		ppb v/v			03/12/21 20:08	1
Chloromethane	0.57		0.20		ppb v/v			03/12/21 20:08	1
cis-1,2-Dichloroethene	ND		0.040		ppb v/v			03/12/21 20:08	1
cis-1,3-Dichloropropene	ND		0.080		ppb v/v			03/12/21 20:08	1
Cyclohexane	0.61		0.20		ppb v/v			03/12/21 20:08	1
Dibromochloromethane	ND		0.080		ppb v/v			03/12/21 20:08	1
Dichlorodifluoromethane	0.24		0.080		ppb v/v			03/12/21 20:08	1
Ethanol	180	E	2.0		ppb v/v			03/12/21 20:08	1
Ethylbenzene	4.4		0.080		ppb v/v			03/12/21 20:08	1
Hexachlorobutadiene	ND		0.080		ppb v/v			03/12/21 20:08	1
Hexane	1.0		0.20		ppb v/v			03/12/21 20:08	1
Methyl tert-butyl ether	ND		0.16		ppb v/v			03/12/21 20:08	1
Methylene Chloride	6.9		0.40		ppb v/v			03/12/21 20:08	1
m-Xylene & p-Xylene	2.6		0.080		ppb v/v			03/12/21 20:08	1
Naphthalene	ND		0.20		ppb v/v			03/12/21 20:08	1
o-Xylene	0.92		0.080		ppb v/v			03/12/21 20:08	1
Styrene	0.37		0.080		ppb v/v			03/12/21 20:08	1
t-Butyl alcohol	0.35		0.32		ppb v/v			03/12/21 20:08	1
Tetrachloroethene	0.13		0.080		ppb v/v			03/12/21 20:08	1
Toluene	7.9		0.12		ppb v/v			03/12/21 20:08	1
trans-1,2-Dichloroethene	ND		0.080		ppb v/v			03/12/21 20:08	1
trans-1,3-Dichloropropene	ND		0.080		ppb v/v			03/12/21 20:08	1
Trichloroethene	ND		0.036		ppb v/v			03/12/21 20:08	1
Trichlorofluoromethane	0.23		0.080		ppb v/v			03/12/21 20:08	1
Vinyl chloride	ND		0.040		ppb v/v			03/12/21 20:08	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.44		ug/m3			03/12/21 20:08	1
1,1,2,2-Tetrachloroethane	ND		0.55		ug/m3			03/12/21 20:08	1
1,1,2-Trichloroethane	ND		0.44		ug/m3			03/12/21 20:08	1
1,1,2-Trichlorotrifluoroethane	ND		0.61		ug/m3			03/12/21 20:08	1
1,1-Dichloroethane	ND		0.32		ug/m3			03/12/21 20:08	1
1,1-Dichloroethene	ND		0.16		ug/m3			03/12/21 20:08	1
1,2,4-Trichlorobenzene	ND		0.59		ug/m3			03/12/21 20:08	1
1,2,4-Trimethylbenzene	10		0.39		ug/m3			03/12/21 20:08	1
1,2-Dibromoethane	ND		0.61		ug/m3			03/12/21 20:08	1
1,2-Dichlorobenzene	ND		0.48		ug/m3			03/12/21 20:08	1
1,2-Dichloroethane	ND		0.32		ug/m3			03/12/21 20:08	1
1,2-Dichloropropane	ND		0.37		ug/m3			03/12/21 20:08	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22254-1

Client Sample ID: 224121-IAA-86

Lab Sample ID: 140-22254-2

Date Collected: 03/10/21 08:40

Matrix: Air

Date Received: 03/11/21 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorotetrafluoroethane	ND		0.56		ug/m3			03/12/21 20:08	1
1,3,5-Trimethylbenzene	3.1		0.39		ug/m3			03/12/21 20:08	1
1,3-Dichlorobenzene	ND		0.48		ug/m3			03/12/21 20:08	1
1,4-Dichlorobenzene	0.83		0.48		ug/m3			03/12/21 20:08	1
1,4-Dioxane	ND		0.72		ug/m3			03/12/21 20:08	1
2,2,4-Trimethylpentane	3.2		0.93		ug/m3			03/12/21 20:08	1
2-Butanone	15		0.94		ug/m3			03/12/21 20:08	1
4-Methyl-2-pentanone (MIBK)	ND		0.82		ug/m3			03/12/21 20:08	1
Benzene	2.3		0.26		ug/m3			03/12/21 20:08	1
Benzyl chloride	ND		0.83		ug/m3			03/12/21 20:08	1
Bromodichloromethane	ND		0.54		ug/m3			03/12/21 20:08	1
Bromoform	ND		0.83		ug/m3			03/12/21 20:08	1
Bromomethane	ND		0.31		ug/m3			03/12/21 20:08	1
Carbon tetrachloride	0.56		0.20		ug/m3			03/12/21 20:08	1
Chlorobenzene	ND		0.37		ug/m3			03/12/21 20:08	1
Chloroethane	ND		0.21		ug/m3			03/12/21 20:08	1
Chloroform	ND		0.39		ug/m3			03/12/21 20:08	1
Chloromethane	1.2		0.41		ug/m3			03/12/21 20:08	1
cis-1,2-Dichloroethene	ND		0.16		ug/m3			03/12/21 20:08	1
cis-1,3-Dichloropropene	ND		0.36		ug/m3			03/12/21 20:08	1
Cyclohexane	2.1		0.69		ug/m3			03/12/21 20:08	1
Dibromochloromethane	ND		0.68		ug/m3			03/12/21 20:08	1
Dichlorodifluoromethane	1.2		0.40		ug/m3			03/12/21 20:08	1
Ethanol	450	340-E	3.8		ug/m3			03/12/21 20:08	1
Ethylbenzene	19		0.35		ug/m3			03/12/21 20:08	1
Hexachlorobutadiene	ND		0.85		ug/m3			03/12/21 20:08	1
Hexane	3.6		0.70		ug/m3			03/12/21 20:08	1
Methyl tert-butyl ether	ND		0.58		ug/m3			03/12/21 20:08	1
Methylene Chloride	24		1.4		ug/m3			03/12/21 20:08	1
m-Xylene & p-Xylene	11		0.35		ug/m3			03/12/21 20:08	1
Naphthalene	ND		1.0		ug/m3			03/12/21 20:08	1
o-Xylene	4.0		0.35		ug/m3			03/12/21 20:08	1
Styrene	1.6		0.34		ug/m3			03/12/21 20:08	1
t-Butyl alcohol	1.1		0.97		ug/m3			03/12/21 20:08	1
Tetrachloroethene	0.89		0.54		ug/m3			03/12/21 20:08	1
Toluene	30		0.45		ug/m3			03/12/21 20:08	1
trans-1,2-Dichloroethene	ND		0.32		ug/m3			03/12/21 20:08	1
trans-1,3-Dichloropropene	ND		0.36		ug/m3			03/12/21 20:08	1
Trichloroethene	ND		0.19		ug/m3			03/12/21 20:08	1
Trichlorofluoromethane	1.3		0.45		ug/m3			03/12/21 20:08	1
Vinyl chloride	ND		0.10		ug/m3			03/12/21 20:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		60 - 140		03/12/21 20:08	1

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethanol	240	D	10		ppb v/v			03/17/21 16:54	1

Eurofins TestAmerica, Knoxville

ALH 4/15/21

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22254-1

Client Sample ID: 224121-IAA-86

Lab Sample ID: 140-22254-2

Date Collected: 03/10/21 08:40

Matrix: Air

Date Received: 03/11/21 09:50

Sample Container: Summa Canister 6L

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethanol	450	D	19		ug/m3			03/17/21 16:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		60 - 140					03/17/21 16:54	1

Client Sample ID: 224121-SSB-86

Lab Sample ID: 140-22254-3

Date Collected: 03/10/21 08:54

Matrix: Air

Date Received: 03/11/21 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.30		0.080		ppb v/v			03/12/21 20:59	1
1,1,2,2-Tetrachloroethane	ND		0.080		ppb v/v			03/12/21 20:59	1
1,1,2-Trichloroethane	ND		0.080		ppb v/v			03/12/21 20:59	1
1,1,2-Trichlorotrifluoroethane	ND		0.080		ppb v/v			03/12/21 20:59	1
1,1-Dichloroethane	0.090		0.080		ppb v/v			03/12/21 20:59	1
1,1-Dichloroethene	ND		0.040		ppb v/v			03/12/21 20:59	1
1,2,4-Trichlorobenzene	ND		0.080		ppb v/v			03/12/21 20:59	1
1,2,4-Trimethylbenzene	2.0		0.080		ppb v/v			03/12/21 20:59	1
1,2-Dibromoethane	ND		0.080		ppb v/v			03/12/21 20:59	1
1,2-Dichlorobenzene	ND		0.080		ppb v/v			03/12/21 20:59	1
1,2-Dichloroethane	0.23		0.080		ppb v/v			03/12/21 20:59	1
1,2-Dichloropropane	ND		0.080		ppb v/v			03/12/21 20:59	1
1,2-Dichlorotetrafluoroethane	ND		0.080		ppb v/v			03/12/21 20:59	1
1,3,5-Trimethylbenzene	0.81		0.080		ppb v/v			03/12/21 20:59	1
1,3-Dichlorobenzene	ND		0.080		ppb v/v			03/12/21 20:59	1
1,4-Dichlorobenzene	ND		0.080		ppb v/v			03/12/21 20:59	1
1,4-Dioxane	ND		0.20		ppb v/v			03/12/21 20:59	1
2,2,4-Trimethylpentane	ND		0.20		ppb v/v			03/12/21 20:59	1
2-Butanone	2.2		0.32		ppb v/v			03/12/21 20:59	1
4-Methyl-2-pentanone (MIBK)	0.33		0.20		ppb v/v			03/12/21 20:59	1
Benzene	0.92		0.080		ppb v/v			03/12/21 20:59	1
Benzyl chloride	ND		0.16		ppb v/v			03/12/21 20:59	1
Bromodichloromethane	ND		0.080		ppb v/v			03/12/21 20:59	1
Bromoform	ND		0.080		ppb v/v			03/12/21 20:59	1
Bromomethane	ND		0.080		ppb v/v			03/12/21 20:59	1
Carbon tetrachloride	0.045		0.032		ppb v/v			03/12/21 20:59	1
Chlorobenzene	ND		0.080		ppb v/v			03/12/21 20:59	1
Chloroethane	0.34		0.080		ppb v/v			03/12/21 20:59	1
Chloroform	0.12		0.080		ppb v/v			03/12/21 20:59	1
Chloromethane	ND		0.20		ppb v/v			03/12/21 20:59	1
cis-1,2-Dichloroethene	ND		0.040		ppb v/v			03/12/21 20:59	1
cis-1,3-Dichloropropene	ND		0.080		ppb v/v			03/12/21 20:59	1
Cyclohexane	2.2		0.20		ppb v/v			03/12/21 20:59	1
Dibromochloromethane	ND		0.080		ppb v/v			03/12/21 20:59	1
Dichlorodifluoromethane	0.22		0.080		ppb v/v			03/12/21 20:59	1
Ethanol	26		2.0		ppb v/v			03/12/21 20:59	1
Ethylbenzene	0.43		0.080		ppb v/v			03/12/21 20:59	1
Hexachlorobutadiene	ND		0.080		ppb v/v			03/12/21 20:59	1

Client Sample Results

Client: New York State D.E.C.
 Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22254-1

Client Sample ID: 224121-SSB-86

Lab Sample ID: 140-22254-3

Date Collected: 03/10/21 08:54

Matrix: Air

Date Received: 03/11/21 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexane	5.3		0.20		ppb v/v			03/12/21 20:59	1
Methyl tert-butyl ether	ND		0.16		ppb v/v			03/12/21 20:59	1
Methylene Chloride	1.1		0.40		ppb v/v			03/12/21 20:59	1
m-Xylene & p-Xylene	3.0		0.080		ppb v/v			03/12/21 20:59	1
Naphthalene	0.21		0.20		ppb v/v			03/12/21 20:59	1
o-Xylene	1.0		0.080		ppb v/v			03/12/21 20:59	1
Styrene	ND		0.080		ppb v/v			03/12/21 20:59	1
t-Butyl alcohol	0.47		0.32		ppb v/v			03/12/21 20:59	1
Tetrachloroethene	1.8		0.080		ppb v/v			03/12/21 20:59	1
Toluene	3.6		0.12		ppb v/v			03/12/21 20:59	1
trans-1,2-Dichloroethene	ND		0.080		ppb v/v			03/12/21 20:59	1
trans-1,3-Dichloropropene	ND		0.080		ppb v/v			03/12/21 20:59	1
Trichloroethene	0.29		0.036		ppb v/v			03/12/21 20:59	1
Trichlorofluoromethane	0.56		0.080		ppb v/v			03/12/21 20:59	1
Vinyl chloride	0.26		0.040		ppb v/v			03/12/21 20:59	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.6		0.44		ug/m3			03/12/21 20:59	1
1,1,2,2-Tetrachloroethane	ND		0.55		ug/m3			03/12/21 20:59	1
1,1,2-Trichloroethane	ND		0.44		ug/m3			03/12/21 20:59	1
1,1,2-Trichlorotrifluoroethane	ND		0.61		ug/m3			03/12/21 20:59	1
1,1-Dichloroethane	0.37		0.32		ug/m3			03/12/21 20:59	1
1,1-Dichloroethene	ND		0.16		ug/m3			03/12/21 20:59	1
1,2,4-Trichlorobenzene	ND		0.59		ug/m3			03/12/21 20:59	1
1,2,4-Trimethylbenzene	10		0.39		ug/m3			03/12/21 20:59	1
1,2-Dibromoethane	ND		0.61		ug/m3			03/12/21 20:59	1
1,2-Dichlorobenzene	ND		0.48		ug/m3			03/12/21 20:59	1
1,2-Dichloroethane	0.93		0.32		ug/m3			03/12/21 20:59	1
1,2-Dichloropropane	ND		0.37		ug/m3			03/12/21 20:59	1
1,2-Dichlorotetrafluoroethane	ND		0.56		ug/m3			03/12/21 20:59	1
1,3,5-Trimethylbenzene	4.0		0.39		ug/m3			03/12/21 20:59	1
1,3-Dichlorobenzene	ND		0.48		ug/m3			03/12/21 20:59	1
1,4-Dichlorobenzene	ND		0.48		ug/m3			03/12/21 20:59	1
1,4-Dioxane	ND		0.72		ug/m3			03/12/21 20:59	1
2,2,4-Trimethylpentane	ND		0.93		ug/m3			03/12/21 20:59	1
2-Butanone	6.5		0.94		ug/m3			03/12/21 20:59	1
4-Methyl-2-pentanone (MIBK)	1.3		0.82		ug/m3			03/12/21 20:59	1
Benzene	2.9		0.26		ug/m3			03/12/21 20:59	1
Benzyl chloride	ND		0.83		ug/m3			03/12/21 20:59	1
Bromodichloromethane	ND		0.54		ug/m3			03/12/21 20:59	1
Bromoform	ND		0.83		ug/m3			03/12/21 20:59	1
Bromomethane	ND		0.31		ug/m3			03/12/21 20:59	1
Carbon tetrachloride	0.28		0.20		ug/m3			03/12/21 20:59	1
Chlorobenzene	ND		0.37		ug/m3			03/12/21 20:59	1
Chloroethane	0.91		0.21		ug/m3			03/12/21 20:59	1
Chloroform	0.60		0.39		ug/m3			03/12/21 20:59	1
Chloromethane	ND		0.41		ug/m3			03/12/21 20:59	1
cis-1,2-Dichloroethene	ND		0.16		ug/m3			03/12/21 20:59	1
cis-1,3-Dichloropropene	ND		0.36		ug/m3			03/12/21 20:59	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22254-1

Client Sample ID: 224121-SSB-86

Lab Sample ID: 140-22254-3

Date Collected: 03/10/21 08:54

Matrix: Air

Date Received: 03/11/21 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyclohexane	7.5		0.69		ug/m3			03/12/21 20:59	1
Dibromochloromethane	ND		0.68		ug/m3			03/12/21 20:59	1
Dichlorodifluoromethane	1.1		0.40		ug/m3			03/12/21 20:59	1
Ethanol	49		3.8		ug/m3			03/12/21 20:59	1
Ethylbenzene	1.9		0.35		ug/m3			03/12/21 20:59	1
Hexachlorobutadiene	ND		0.85		ug/m3			03/12/21 20:59	1
Hexane	19		0.70		ug/m3			03/12/21 20:59	1
Methyl tert-butyl ether	ND		0.58		ug/m3			03/12/21 20:59	1
Methylene Chloride	3.8		1.4		ug/m3			03/12/21 20:59	1
m-Xylene & p-Xylene	13		0.35		ug/m3			03/12/21 20:59	1
Naphthalene	1.1		1.0		ug/m3			03/12/21 20:59	1
o-Xylene	4.4		0.35		ug/m3			03/12/21 20:59	1
Styrene	ND		0.34		ug/m3			03/12/21 20:59	1
t-Butyl alcohol	1.4		0.97		ug/m3			03/12/21 20:59	1
Tetrachloroethene	12		0.54		ug/m3			03/12/21 20:59	1
Toluene	14		0.45		ug/m3			03/12/21 20:59	1
trans-1,2-Dichloroethene	ND		0.32		ug/m3			03/12/21 20:59	1
trans-1,3-Dichloropropene	ND		0.36		ug/m3			03/12/21 20:59	1
Trichloroethene	1.6		0.19		ug/m3			03/12/21 20:59	1
Trichlorofluoromethane	3.1		0.45		ug/m3			03/12/21 20:59	1
Vinyl chloride	0.66		0.10		ug/m3			03/12/21 20:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		60 - 140					03/12/21 20:59	1

Client Sample ID: 224121-IAB-86

Lab Sample ID: 140-22254-4

Date Collected: 03/10/21 08:55

Matrix: Air

Date Received: 03/11/21 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.080		ppb v/v			03/12/21 21:50	1
1,1,2,2-Tetrachloroethane	ND		0.080		ppb v/v			03/12/21 21:50	1
1,1,2-Trichloroethane	ND		0.080		ppb v/v			03/12/21 21:50	1
1,1,2-Trichlorotrifluoroethane	ND		0.080		ppb v/v			03/12/21 21:50	1
1,1-Dichloroethane	ND		0.080		ppb v/v			03/12/21 21:50	1
1,1-Dichloroethene	ND		0.040		ppb v/v			03/12/21 21:50	1
1,2,4-Trichlorobenzene	ND		0.080		ppb v/v			03/12/21 21:50	1
1,2,4-Trimethylbenzene	2.3		0.080		ppb v/v			03/12/21 21:50	1
1,2-Dibromoethane	ND		0.080		ppb v/v			03/12/21 21:50	1
1,2-Dichlorobenzene	ND		0.080		ppb v/v			03/12/21 21:50	1
1,2-Dichloroethane	ND		0.080		ppb v/v			03/12/21 21:50	1
1,2-Dichloropropane	ND		0.080		ppb v/v			03/12/21 21:50	1
1,2-Dichlorotetrafluoroethane	ND		0.080		ppb v/v			03/12/21 21:50	1
1,3,5-Trimethylbenzene	0.71		0.080		ppb v/v			03/12/21 21:50	1
1,3-Dichlorobenzene	ND		0.080		ppb v/v			03/12/21 21:50	1
1,4-Dichlorobenzene	0.14		0.080		ppb v/v			03/12/21 21:50	1
1,4-Dioxane	ND		0.20		ppb v/v			03/12/21 21:50	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22254-1

Client Sample ID: 224121-IAB-86

Lab Sample ID: 140-22254-4

Date Collected: 03/10/21 08:55

Matrix: Air

Date Received: 03/11/21 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,2,4-Trimethylpentane	0.77		0.20		ppb v/v			03/12/21 21:50	1
2-Butanone	4.7		0.32		ppb v/v			03/12/21 21:50	1
4-Methyl-2-pentanone (MIBK)	ND		0.20		ppb v/v			03/12/21 21:50	1
Benzene	0.70		0.080		ppb v/v			03/12/21 21:50	1
Benzyl chloride	ND		0.16		ppb v/v			03/12/21 21:50	1
Bromodichloromethane	ND		0.080		ppb v/v			03/12/21 21:50	1
Bromoform	ND		0.080		ppb v/v			03/12/21 21:50	1
Bromomethane	ND		0.080		ppb v/v			03/12/21 21:50	1
Carbon tetrachloride	0.073		0.032		ppb v/v			03/12/21 21:50	1
Chlorobenzene	ND		0.080		ppb v/v			03/12/21 21:50	1
Chloroethane	ND		0.080		ppb v/v			03/12/21 21:50	1
Chloroform	ND		0.080		ppb v/v			03/12/21 21:50	1
Chloromethane	0.55		0.20		ppb v/v			03/12/21 21:50	1
cis-1,2-Dichloroethene	ND		0.040		ppb v/v			03/12/21 21:50	1
cis-1,3-Dichloropropene	ND		0.080		ppb v/v			03/12/21 21:50	1
Cyclohexane	0.54		0.20		ppb v/v			03/12/21 21:50	1
Dibromochloromethane	ND		0.080		ppb v/v			03/12/21 21:50	1
Dichlorodifluoromethane	0.24		0.080		ppb v/v			03/12/21 21:50	1
Ethanol	240	E	2.0		ppb v/v			03/12/21 21:50	1
Ethylbenzene	3.7		0.080		ppb v/v			03/12/21 21:50	1
Hexachlorobutadiene	ND		0.080		ppb v/v			03/12/21 21:50	1
Hexane	0.93		0.20		ppb v/v			03/12/21 21:50	1
Methyl tert-butyl ether	ND		0.16		ppb v/v			03/12/21 21:50	1
Methylene Chloride	5.7		0.40		ppb v/v			03/12/21 21:50	1
m-Xylene & p-Xylene	2.6		0.080		ppb v/v			03/12/21 21:50	1
Naphthalene	ND		0.20		ppb v/v			03/12/21 21:50	1
o-Xylene	0.95		0.080		ppb v/v			03/12/21 21:50	1
Styrene	0.37		0.080		ppb v/v			03/12/21 21:50	1
t-Butyl alcohol	0.42		0.32		ppb v/v			03/12/21 21:50	1
Tetrachloroethene	0.12		0.080		ppb v/v			03/12/21 21:50	1
Toluene	8.3		0.12		ppb v/v			03/12/21 21:50	1
trans-1,2-Dichloroethene	ND		0.080		ppb v/v			03/12/21 21:50	1
trans-1,3-Dichloropropene	ND		0.080		ppb v/v			03/12/21 21:50	1
Trichloroethene	ND		0.036		ppb v/v			03/12/21 21:50	1
Trichlorofluoromethane	0.23		0.080		ppb v/v			03/12/21 21:50	1
Vinyl chloride	ND		0.040		ppb v/v			03/12/21 21:50	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.44		ug/m3			03/12/21 21:50	1
1,1,2,2-Tetrachloroethane	ND		0.55		ug/m3			03/12/21 21:50	1
1,1,2-Trichloroethane	ND		0.44		ug/m3			03/12/21 21:50	1
1,1,2-Trichlorotrifluoroethane	ND		0.61		ug/m3			03/12/21 21:50	1
1,1-Dichloroethane	ND		0.32		ug/m3			03/12/21 21:50	1
1,1-Dichloroethene	ND		0.16		ug/m3			03/12/21 21:50	1
1,2,4-Trichlorobenzene	ND		0.59		ug/m3			03/12/21 21:50	1
1,2,4-Trimethylbenzene	11		0.39		ug/m3			03/12/21 21:50	1
1,2-Dibromoethane	ND		0.61		ug/m3			03/12/21 21:50	1
1,2-Dichlorobenzene	ND		0.48		ug/m3			03/12/21 21:50	1
1,2-Dichloroethane	ND		0.32		ug/m3			03/12/21 21:50	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22254-1

Client Sample ID: 224121-IAB-86

Lab Sample ID: 140-22254-4

Date Collected: 03/10/21 08:55

Matrix: Air

Date Received: 03/11/21 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	ND		0.37		ug/m3			03/12/21 21:50	1
1,2-Dichlorotetrafluoroethane	ND		0.56		ug/m3			03/12/21 21:50	1
1,3,5-Trimethylbenzene	3.5		0.39		ug/m3			03/12/21 21:50	1
1,3-Dichlorobenzene	ND		0.48		ug/m3			03/12/21 21:50	1
1,4-Dichlorobenzene	0.87		0.48		ug/m3			03/12/21 21:50	1
1,4-Dioxane	ND		0.72		ug/m3			03/12/21 21:50	1
2,2,4-Trimethylpentane	3.6		0.93		ug/m3			03/12/21 21:50	1
2-Butanone	14		0.94		ug/m3			03/12/21 21:50	1
4-Methyl-2-pentanone (MIBK)	ND		0.82		ug/m3			03/12/21 21:50	1
Benzene	2.2		0.26		ug/m3			03/12/21 21:50	1
Benzyl chloride	ND		0.83		ug/m3			03/12/21 21:50	1
Bromodichloromethane	ND		0.54		ug/m3			03/12/21 21:50	1
Bromoform	ND		0.83		ug/m3			03/12/21 21:50	1
Bromomethane	ND		0.31		ug/m3			03/12/21 21:50	1
Carbon tetrachloride	0.46		0.20		ug/m3			03/12/21 21:50	1
Chlorobenzene	ND		0.37		ug/m3			03/12/21 21:50	1
Chloroethane	ND		0.21		ug/m3			03/12/21 21:50	1
Chloroform	ND		0.39		ug/m3			03/12/21 21:50	1
Chloromethane	1.1		0.41		ug/m3			03/12/21 21:50	1
cis-1,2-Dichloroethene	ND		0.16		ug/m3			03/12/21 21:50	1
cis-1,3-Dichloropropene	ND		0.36		ug/m3			03/12/21 21:50	1
Cyclohexane	1.9		0.69		ug/m3			03/12/21 21:50	1
Dibromochloromethane	ND		0.68		ug/m3			03/12/21 21:50	1
Dichlorodifluoromethane	1.2		0.40		ug/m3			03/12/21 21:50	1
Ethanol	700	450--E--	3.8		ug/m3			03/12/21 21:50	1
Ethylbenzene	16		0.35		ug/m3			03/12/21 21:50	1
Hexachlorobutadiene	ND		0.85		ug/m3			03/12/21 21:50	1
Hexane	3.3		0.70		ug/m3			03/12/21 21:50	1
Methyl tert-butyl ether	ND		0.58		ug/m3			03/12/21 21:50	1
Methylene Chloride	20		1.4		ug/m3			03/12/21 21:50	1
m-Xylene & p-Xylene	11		0.35		ug/m3			03/12/21 21:50	1
Naphthalene	ND		1.0		ug/m3			03/12/21 21:50	1
o-Xylene	4.1		0.35		ug/m3			03/12/21 21:50	1
Styrene	1.6		0.34		ug/m3			03/12/21 21:50	1
t-Butyl alcohol	1.3		0.97		ug/m3			03/12/21 21:50	1
Tetrachloroethene	0.85		0.54		ug/m3			03/12/21 21:50	1
Toluene	31		0.45		ug/m3			03/12/21 21:50	1
trans-1,2-Dichloroethene	ND		0.32		ug/m3			03/12/21 21:50	1
trans-1,3-Dichloropropene	ND		0.36		ug/m3			03/12/21 21:50	1
Trichloroethene	ND		0.19		ug/m3			03/12/21 21:50	1
Trichlorofluoromethane	1.3		0.45		ug/m3			03/12/21 21:50	1
Vinyl chloride	ND		0.10		ug/m3			03/12/21 21:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		60 - 140		03/12/21 21:50	1

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethanol	370	D	20		ppb v/v			03/17/21 17:36	1

Eurofins TestAmerica, Knoxville

ALH 4/15/21

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22254-1

Client Sample ID: 224121-IAB-86

Lab Sample ID: 140-22254-4

Date Collected: 03/10/21 08:55

Matrix: Air

Date Received: 03/11/21 09:50

Sample Container: Summa Canister 6L

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethanol	700	D	38		ug/m3			03/17/21 17:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		60 - 140					03/17/21 17:36	1

Client Sample ID: 224121-SSA-87

Lab Sample ID: 140-22254-5

Date Collected: 03/10/21 09:54

Matrix: Air

Date Received: 03/11/21 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.9		ppb v/v			03/18/21 11:14	1.43
1,1,2,2-Tetrachloroethane	ND		2.9		ppb v/v			03/18/21 11:14	1.43
1,1,2-Trichloroethane	ND		2.9		ppb v/v			03/18/21 11:14	1.43
1,1,2-Trichlorotrifluoroethane	ND		2.9		ppb v/v			03/18/21 11:14	1.43
1,1-Dichloroethane	ND		2.9		ppb v/v			03/18/21 11:14	1.43
1,1-Dichloroethene	ND		1.4		ppb v/v			03/18/21 11:14	1.43
1,2,4-Trichlorobenzene	ND		2.9		ppb v/v			03/18/21 11:14	1.43
1,2,4-Trimethylbenzene	ND		2.9		ppb v/v			03/18/21 11:14	1.43
1,2-Dibromoethane	ND		2.9		ppb v/v			03/18/21 11:14	1.43
1,2-Dichlorobenzene	ND		2.9		ppb v/v			03/18/21 11:14	1.43
1,2-Dichloroethane	ND		2.9		ppb v/v			03/18/21 11:14	1.43
1,2-Dichloropropane	ND		2.9		ppb v/v			03/18/21 11:14	1.43
1,2-Dichlorotetrafluoroethane	ND	*+	2.9		ppb v/v			03/18/21 11:14	1.43
1,3,5-Trimethylbenzene	ND		2.9		ppb v/v			03/18/21 11:14	1.43
1,3-Dichlorobenzene	ND		2.9		ppb v/v			03/18/21 11:14	1.43
1,4-Dichlorobenzene	ND		2.9		ppb v/v			03/18/21 11:14	1.43
1,4-Dioxane	ND		7.2		ppb v/v			03/18/21 11:14	1.43
2,2,4-Trimethylpentane	ND		7.2		ppb v/v			03/18/21 11:14	1.43
2-Butanone	ND		11		ppb v/v			03/18/21 11:14	1.43
4-Methyl-2-pentanone (MIBK)	ND		7.2		ppb v/v			03/18/21 11:14	1.43
Benzene	ND		2.9		ppb v/v			03/18/21 11:14	1.43
Benzyl chloride	ND		5.7		ppb v/v			03/18/21 11:14	1.43
Bromodichloromethane	ND		2.9		ppb v/v			03/18/21 11:14	1.43
Bromoform	ND		2.9		ppb v/v			03/18/21 11:14	1.43
Bromomethane	ND	*+	2.9		ppb v/v			03/18/21 11:14	1.43
Carbon tetrachloride	ND		1.1		ppb v/v			03/18/21 11:14	1.43
Chlorobenzene	ND		2.9		ppb v/v			03/18/21 11:14	1.43
Chloroethane	ND		2.9		ppb v/v			03/18/21 11:14	1.43
Chloroform	ND		2.9		ppb v/v			03/18/21 11:14	1.43
Chloromethane	ND		7.2		ppb v/v			03/18/21 11:14	1.43
cis-1,2-Dichloroethene	ND		1.4		ppb v/v			03/18/21 11:14	1.43
cis-1,3-Dichloropropene	ND		2.9		ppb v/v			03/18/21 11:14	1.43
Cyclohexane	ND		7.2		ppb v/v			03/18/21 11:14	1.43
Dibromochloromethane	ND		2.9		ppb v/v			03/18/21 11:14	1.43
Dichlorodifluoromethane	ND		2.9		ppb v/v			03/18/21 11:14	1.43
Ethanol	710		72		ppb v/v			03/18/21 11:14	1.43
Ethylbenzene	ND		2.9		ppb v/v			03/18/21 11:14	1.43
Hexachlorobutadiene	ND	*+	2.9		ppb v/v			03/18/21 11:14	1.43

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22254-1

Client Sample ID: 224121-SSA-87

Lab Sample ID: 140-22254-5

Date Collected: 03/10/21 09:54

Matrix: Air

Date Received: 03/11/21 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexane	ND		7.2		ppb v/v			03/18/21 11:14	1.43
Methyl tert-butyl ether	ND		5.7		ppb v/v			03/18/21 11:14	1.43
Methylene Chloride	43		14		ppb v/v			03/18/21 11:14	1.43
m-Xylene & p-Xylene	4.1		2.9		ppb v/v			03/18/21 11:14	1.43
Naphthalene	ND	*+	7.2		ppb v/v			03/18/21 11:14	1.43
o-Xylene	ND		2.9		ppb v/v			03/18/21 11:14	1.43
Styrene	ND		2.9		ppb v/v			03/18/21 11:14	1.43
t-Butyl alcohol	ND		11		ppb v/v			03/18/21 11:14	1.43
Tetrachloroethene	ND		2.9		ppb v/v			03/18/21 11:14	1.43
Toluene	ND		4.3		ppb v/v			03/18/21 11:14	1.43
trans-1,2-Dichloroethene	ND		2.9		ppb v/v			03/18/21 11:14	1.43
trans-1,3-Dichloropropene	ND		2.9		ppb v/v			03/18/21 11:14	1.43
Trichloroethene	ND		1.3		ppb v/v			03/18/21 11:14	1.43
Trichlorofluoromethane	ND		2.9		ppb v/v			03/18/21 11:14	1.43
Vinyl chloride	ND		1.4		ppb v/v			03/18/21 11:14	1.43
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		16		ug/m3			03/18/21 11:14	1.43
1,1,2,2-Tetrachloroethane	ND		20		ug/m3			03/18/21 11:14	1.43
1,1,2-Trichloroethane	ND		16		ug/m3			03/18/21 11:14	1.43
1,1,2-Trichlorotrifluoroethane	ND		22		ug/m3			03/18/21 11:14	1.43
1,1-Dichloroethane	ND		12		ug/m3			03/18/21 11:14	1.43
1,1-Dichloroethene	ND		5.7		ug/m3			03/18/21 11:14	1.43
1,2,4-Trichlorobenzene	ND		21		ug/m3			03/18/21 11:14	1.43
1,2,4-Trimethylbenzene	ND		14		ug/m3			03/18/21 11:14	1.43
1,2-Dibromoethane	ND		22		ug/m3			03/18/21 11:14	1.43
1,2-Dichlorobenzene	ND		17		ug/m3			03/18/21 11:14	1.43
1,2-Dichloroethane	ND		12		ug/m3			03/18/21 11:14	1.43
1,2-Dichloropropane	ND		13		ug/m3			03/18/21 11:14	1.43
1,2-Dichlorotetrafluoroethane	ND	*+ UJ	20		ug/m3			03/18/21 11:14	1.43
1,3,5-Trimethylbenzene	ND		14		ug/m3			03/18/21 11:14	1.43
1,3-Dichlorobenzene	ND		17		ug/m3			03/18/21 11:14	1.43
1,4-Dichlorobenzene	ND		17		ug/m3			03/18/21 11:14	1.43
1,4-Dioxane	ND		26		ug/m3			03/18/21 11:14	1.43
2,2,4-Trimethylpentane	ND		33		ug/m3			03/18/21 11:14	1.43
2-Butanone	ND		34		ug/m3			03/18/21 11:14	1.43
4-Methyl-2-pentanone (MIBK)	ND		29		ug/m3			03/18/21 11:14	1.43
Benzene	ND		9.1		ug/m3			03/18/21 11:14	1.43
Benzyl chloride	ND		30		ug/m3			03/18/21 11:14	1.43
Bromodichloromethane	ND		19		ug/m3			03/18/21 11:14	1.43
Bromoform	ND		30		ug/m3			03/18/21 11:14	1.43
Bromomethane	ND	*+ UJ	11		ug/m3			03/18/21 11:14	1.43
Carbon tetrachloride	ND		7.2		ug/m3			03/18/21 11:14	1.43
Chlorobenzene	ND		13		ug/m3			03/18/21 11:14	1.43
Chloroethane	ND		7.5		ug/m3			03/18/21 11:14	1.43
Chloroform	ND		14		ug/m3			03/18/21 11:14	1.43
Chloromethane	ND		15		ug/m3			03/18/21 11:14	1.43
cis-1,2-Dichloroethene	ND		5.7		ug/m3			03/18/21 11:14	1.43
cis-1,3-Dichloropropene	ND		13		ug/m3			03/18/21 11:14	1.43

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22254-1

Client Sample ID: 224121-SSA-87

Lab Sample ID: 140-22254-5

Date Collected: 03/10/21 09:54

Matrix: Air

Date Received: 03/11/21 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyclohexane	ND		25		ug/m3			03/18/21 11:14	1.43
Dibromochloromethane	ND		24		ug/m3			03/18/21 11:14	1.43
Dichlorodifluoromethane	ND		14		ug/m3			03/18/21 11:14	1.43
Ethanol	1300	J	130		ug/m3			03/18/21 11:14	1.43
Ethylbenzene	ND		12		ug/m3			03/18/21 11:14	1.43
Hexachlorobutadiene	ND	*+ UJ	31		ug/m3			03/18/21 11:14	1.43
Hexane	ND		25		ug/m3			03/18/21 11:14	1.43
Methyl tert-butyl ether	ND		21		ug/m3			03/18/21 11:14	1.43
Methylene Chloride	150		50		ug/m3			03/18/21 11:14	1.43
m-Xylene & p-Xylene	18		12		ug/m3			03/18/21 11:14	1.43
Naphthalene	ND	*+ UJ	37		ug/m3			03/18/21 11:14	1.43
o-Xylene	ND		12		ug/m3			03/18/21 11:14	1.43
Styrene	ND		12		ug/m3			03/18/21 11:14	1.43
t-Butyl alcohol	ND		35		ug/m3			03/18/21 11:14	1.43
Tetrachloroethene	ND		19		ug/m3			03/18/21 11:14	1.43
Toluene	ND		16		ug/m3			03/18/21 11:14	1.43
trans-1,2-Dichloroethene	ND		11		ug/m3			03/18/21 11:14	1.43
trans-1,3-Dichloropropene	ND		13		ug/m3			03/18/21 11:14	1.43
Trichloroethene	ND		6.9		ug/m3			03/18/21 11:14	1.43
Trichlorofluoromethane	ND		16		ug/m3			03/18/21 11:14	1.43
Vinyl chloride	ND		3.7		ug/m3			03/18/21 11:14	1.43
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		60 - 140					03/18/21 11:14	1.43

Client Sample ID: 224121-IAA-87

Lab Sample ID: 140-22254-6

Date Collected: 03/10/21 09:55

Matrix: Air

Date Received: 03/11/21 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		6.4		ppb v/v			03/18/21 11:57	1.61
1,1,2,2-Tetrachloroethane	ND		6.4		ppb v/v			03/18/21 11:57	1.61
1,1,2-Trichloroethane	ND		6.4		ppb v/v			03/18/21 11:57	1.61
1,1,2-Trichlorotrifluoroethane	ND		6.4		ppb v/v			03/18/21 11:57	1.61
1,1-Dichloroethane	ND		6.4		ppb v/v			03/18/21 11:57	1.61
1,1-Dichloroethene	ND		3.2		ppb v/v			03/18/21 11:57	1.61
1,2,4-Trichlorobenzene	ND		6.4		ppb v/v			03/18/21 11:57	1.61
1,2,4-Trimethylbenzene	ND		6.4		ppb v/v			03/18/21 11:57	1.61
1,2-Dibromoethane	ND		6.4		ppb v/v			03/18/21 11:57	1.61
1,2-Dichlorobenzene	ND		6.4		ppb v/v			03/18/21 11:57	1.61
1,2-Dichloroethane	ND		6.4		ppb v/v			03/18/21 11:57	1.61
1,2-Dichloropropane	ND		6.4		ppb v/v			03/18/21 11:57	1.61
1,2-Dichlorotetrafluoroethane	ND	*+	6.4		ppb v/v			03/18/21 11:57	1.61
1,3,5-Trimethylbenzene	ND		6.4		ppb v/v			03/18/21 11:57	1.61
1,3-Dichlorobenzene	ND		6.4		ppb v/v			03/18/21 11:57	1.61
1,4-Dichlorobenzene	ND		6.4		ppb v/v			03/18/21 11:57	1.61
1,4-Dioxane	ND		16		ppb v/v			03/18/21 11:57	1.61

Eurofins TestAmerica, Knoxville

ALH 4/8/21

Client Sample Results

Client: New York State D.E.C.
 Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22254-1

Client Sample ID: 224121-IAA-87

Lab Sample ID: 140-22254-6

Date Collected: 03/10/21 09:55

Matrix: Air

Date Received: 03/11/21 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,2,4-Trimethylpentane	ND		16		ppb v/v			03/18/21 11:57	1.61
2-Butanone	ND		26		ppb v/v			03/18/21 11:57	1.61
4-Methyl-2-pentanone (MIBK)	ND		16		ppb v/v			03/18/21 11:57	1.61
Benzene	ND		6.4		ppb v/v			03/18/21 11:57	1.61
Benzyl chloride	ND		13		ppb v/v			03/18/21 11:57	1.61
Bromodichloromethane	ND		6.4		ppb v/v			03/18/21 11:57	1.61
Bromoform	ND		6.4		ppb v/v			03/18/21 11:57	1.61
Bromomethane	ND	*+	6.4		ppb v/v			03/18/21 11:57	1.61
Carbon tetrachloride	ND		2.6		ppb v/v			03/18/21 11:57	1.61
Chlorobenzene	ND		6.4		ppb v/v			03/18/21 11:57	1.61
Chloroethane	ND		6.4		ppb v/v			03/18/21 11:57	1.61
Chloroform	ND		6.4		ppb v/v			03/18/21 11:57	1.61
Chloromethane	ND		16		ppb v/v			03/18/21 11:57	1.61
cis-1,2-Dichloroethene	ND		3.2		ppb v/v			03/18/21 11:57	1.61
cis-1,3-Dichloropropene	ND		6.4		ppb v/v			03/18/21 11:57	1.61
Cyclohexane	ND		16		ppb v/v			03/18/21 11:57	1.61
Dibromochloromethane	ND		6.4		ppb v/v			03/18/21 11:57	1.61
Dichlorodifluoromethane	ND		6.4		ppb v/v			03/18/21 11:57	1.61
Ethanol	2300		160		ppb v/v			03/18/21 11:57	1.61
Ethylbenzene	ND		6.4		ppb v/v			03/18/21 11:57	1.61
Hexachlorobutadiene	ND	*+	6.4		ppb v/v			03/18/21 11:57	1.61
Hexane	ND		16		ppb v/v			03/18/21 11:57	1.61
Methyl tert-butyl ether	ND		13		ppb v/v			03/18/21 11:57	1.61
Methylene Chloride	94		32		ppb v/v			03/18/21 11:57	1.61
m-Xylene & p-Xylene	15		6.4		ppb v/v			03/18/21 11:57	1.61
Naphthalene	ND	*+	16		ppb v/v			03/18/21 11:57	1.61
o-Xylene	ND		6.4		ppb v/v			03/18/21 11:57	1.61
Styrene	ND		6.4		ppb v/v			03/18/21 11:57	1.61
t-Butyl alcohol	ND		26		ppb v/v			03/18/21 11:57	1.61
Tetrachloroethene	ND		6.4		ppb v/v			03/18/21 11:57	1.61
Toluene	ND		9.7		ppb v/v			03/18/21 11:57	1.61
trans-1,2-Dichloroethene	ND		6.4		ppb v/v			03/18/21 11:57	1.61
trans-1,3-Dichloropropene	ND		6.4		ppb v/v			03/18/21 11:57	1.61
Trichloroethene	ND		2.9		ppb v/v			03/18/21 11:57	1.61
Trichlorofluoromethane	ND		6.4		ppb v/v			03/18/21 11:57	1.61
Vinyl chloride	ND		3.2		ppb v/v			03/18/21 11:57	1.61
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		35		ug/m3			03/18/21 11:57	1.61
1,1,2,2-Tetrachloroethane	ND		44		ug/m3			03/18/21 11:57	1.61
1,1,2-Trichloroethane	ND		35		ug/m3			03/18/21 11:57	1.61
1,1,2-Trichlorotrifluoroethane	ND		49		ug/m3			03/18/21 11:57	1.61
1,1-Dichloroethane	ND		26		ug/m3			03/18/21 11:57	1.61
1,1-Dichloroethene	ND		13		ug/m3			03/18/21 11:57	1.61
1,2,4-Trichlorobenzene	ND		48		ug/m3			03/18/21 11:57	1.61
1,2,4-Trimethylbenzene	ND		32		ug/m3			03/18/21 11:57	1.61
1,2-Dibromoethane	ND		49		ug/m3			03/18/21 11:57	1.61
1,2-Dichlorobenzene	ND		39		ug/m3			03/18/21 11:57	1.61
1,2-Dichloroethane	ND		26		ug/m3			03/18/21 11:57	1.61

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22254-1

Client Sample ID: 224121-IAA-87

Lab Sample ID: 140-22254-6

Date Collected: 03/10/21 09:55

Matrix: Air

Date Received: 03/11/21 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	ND		30		ug/m3			03/18/21 11:57	1.61
1,2-Dichlorotetrafluoroethane	ND	*+ UJ	45		ug/m3			03/18/21 11:57	1.61
1,3,5-Trimethylbenzene	ND		32		ug/m3			03/18/21 11:57	1.61
1,3-Dichlorobenzene	ND		39		ug/m3			03/18/21 11:57	1.61
1,4-Dichlorobenzene	ND		39		ug/m3			03/18/21 11:57	1.61
1,4-Dioxane	ND		58		ug/m3			03/18/21 11:57	1.61
2,2,4-Trimethylpentane	ND		75		ug/m3			03/18/21 11:57	1.61
2-Butanone	ND		76		ug/m3			03/18/21 11:57	1.61
4-Methyl-2-pentanone (MIBK)	ND		66		ug/m3			03/18/21 11:57	1.61
Benzene	ND		21		ug/m3			03/18/21 11:57	1.61
Benzyl chloride	ND		67		ug/m3			03/18/21 11:57	1.61
Bromodichloromethane	ND		43		ug/m3			03/18/21 11:57	1.61
Bromoform	ND		67		ug/m3			03/18/21 11:57	1.61
Bromomethane	ND	*+ UJ	25		ug/m3			03/18/21 11:57	1.61
Carbon tetrachloride	ND		16		ug/m3			03/18/21 11:57	1.61
Chlorobenzene	ND		30		ug/m3			03/18/21 11:57	1.61
Chloroethane	ND		17		ug/m3			03/18/21 11:57	1.61
Chloroform	ND		31		ug/m3			03/18/21 11:57	1.61
Chloromethane	ND		33		ug/m3			03/18/21 11:57	1.61
cis-1,2-Dichloroethene	ND		13		ug/m3			03/18/21 11:57	1.61
cis-1,3-Dichloropropene	ND		29		ug/m3			03/18/21 11:57	1.61
Cyclohexane	ND		55		ug/m3			03/18/21 11:57	1.61
Dibromochloromethane	ND		55		ug/m3			03/18/21 11:57	1.61
Dichlorodifluoromethane	ND		32		ug/m3			03/18/21 11:57	1.61
Ethanol	4300	J	300		ug/m3			03/18/21 11:57	1.61
Ethylbenzene	ND		28		ug/m3			03/18/21 11:57	1.61
Hexachlorobutadiene	ND	*+ UJ	69		ug/m3			03/18/21 11:57	1.61
Hexane	ND		57		ug/m3			03/18/21 11:57	1.61
Methyl tert-butyl ether	ND		46		ug/m3			03/18/21 11:57	1.61
Methylene Chloride	320		110		ug/m3			03/18/21 11:57	1.61
m-Xylene & p-Xylene	65		28		ug/m3			03/18/21 11:57	1.61
Naphthalene	ND	*+ UJ	84		ug/m3			03/18/21 11:57	1.61
o-Xylene	ND		28		ug/m3			03/18/21 11:57	1.61
Styrene	ND		27		ug/m3			03/18/21 11:57	1.61
t-Butyl alcohol	ND		78		ug/m3			03/18/21 11:57	1.61
Tetrachloroethene	ND		44		ug/m3			03/18/21 11:57	1.61
Toluene	ND		36		ug/m3			03/18/21 11:57	1.61
trans-1,2-Dichloroethene	ND		26		ug/m3			03/18/21 11:57	1.61
trans-1,3-Dichloropropene	ND		29		ug/m3			03/18/21 11:57	1.61
Trichloroethene	ND		16		ug/m3			03/18/21 11:57	1.61
Trichlorofluoromethane	ND		36		ug/m3			03/18/21 11:57	1.61
Vinyl chloride	ND		8.2		ug/m3			03/18/21 11:57	1.61
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		60 - 140					03/18/21 11:57	1.61

Client Sample Results

Client: New York State D.E.C.
 Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22254-1

Client Sample ID: 224121-SSB-87

Lab Sample ID: 140-22254-7

Date Collected: 03/10/21 10:07

Matrix: Air

Date Received: 03/11/21 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		6.8		ppb v/v			03/18/21 17:28	1.69
1,1,2,2-Tetrachloroethane	ND		6.8		ppb v/v			03/18/21 17:28	1.69
1,1,2-Trichloroethane	ND		6.8		ppb v/v			03/18/21 17:28	1.69
1,1,2-Trichlorotrifluoroethane	ND		6.8		ppb v/v			03/18/21 17:28	1.69
1,1-Dichloroethane	ND		6.8		ppb v/v			03/18/21 17:28	1.69
1,1-Dichloroethene	ND		3.4		ppb v/v			03/18/21 17:28	1.69
1,2,4-Trichlorobenzene	ND		6.8		ppb v/v			03/18/21 17:28	1.69
1,2,4-Trimethylbenzene	ND		6.8		ppb v/v			03/18/21 17:28	1.69
1,2-Dibromoethane	ND		6.8		ppb v/v			03/18/21 17:28	1.69
1,2-Dichlorobenzene	ND		6.8		ppb v/v			03/18/21 17:28	1.69
1,2-Dichloroethane	ND		6.8		ppb v/v			03/18/21 17:28	1.69
1,2-Dichloropropane	ND		6.8		ppb v/v			03/18/21 17:28	1.69
1,2-Dichlorotetrafluoroethane	ND	*+	6.8		ppb v/v			03/18/21 17:28	1.69
1,3,5-Trimethylbenzene	ND		6.8		ppb v/v			03/18/21 17:28	1.69
1,3-Dichlorobenzene	ND		6.8		ppb v/v			03/18/21 17:28	1.69
1,4-Dichlorobenzene	ND		6.8		ppb v/v			03/18/21 17:28	1.69
1,4-Dioxane	ND		17		ppb v/v			03/18/21 17:28	1.69
2,2,4-Trimethylpentane	ND		17		ppb v/v			03/18/21 17:28	1.69
2-Butanone	ND		27		ppb v/v			03/18/21 17:28	1.69
4-Methyl-2-pentanone (MIBK)	ND		17		ppb v/v			03/18/21 17:28	1.69
Benzene	ND		6.8		ppb v/v			03/18/21 17:28	1.69
Benzyl chloride	ND		14		ppb v/v			03/18/21 17:28	1.69
Bromodichloromethane	ND		6.8		ppb v/v			03/18/21 17:28	1.69
Bromoform	ND		6.8		ppb v/v			03/18/21 17:28	1.69
Bromomethane	ND	*+	6.8		ppb v/v			03/18/21 17:28	1.69
Carbon tetrachloride	ND		2.7		ppb v/v			03/18/21 17:28	1.69
Chlorobenzene	ND		6.8		ppb v/v			03/18/21 17:28	1.69
Chloroethane	ND		6.8		ppb v/v			03/18/21 17:28	1.69
Chloroform	ND		6.8		ppb v/v			03/18/21 17:28	1.69
Chloromethane	ND		17		ppb v/v			03/18/21 17:28	1.69
cis-1,2-Dichloroethene	ND		3.4		ppb v/v			03/18/21 17:28	1.69
cis-1,3-Dichloropropene	ND		6.8		ppb v/v			03/18/21 17:28	1.69
Cyclohexane	ND		17		ppb v/v			03/18/21 17:28	1.69
Dibromochloromethane	ND		6.8		ppb v/v			03/18/21 17:28	1.69
Dichlorodifluoromethane	ND		6.8		ppb v/v			03/18/21 17:28	1.69
Ethanol	ND		170		ppb v/v			03/18/21 17:28	1.69
Ethylbenzene	ND		6.8		ppb v/v			03/18/21 17:28	1.69
Hexachlorobutadiene	ND	*+	6.8		ppb v/v			03/18/21 17:28	1.69
Hexane	ND		17		ppb v/v			03/18/21 17:28	1.69
Methyl tert-butyl ether	ND		14		ppb v/v			03/18/21 17:28	1.69
Methylene Chloride	400		34		ppb v/v			03/18/21 17:28	1.69
m-Xylene & p-Xylene	ND		6.8		ppb v/v			03/18/21 17:28	1.69
Naphthalene	ND	*+	17		ppb v/v			03/18/21 17:28	1.69
o-Xylene	ND		6.8		ppb v/v			03/18/21 17:28	1.69
Styrene	ND		6.8		ppb v/v			03/18/21 17:28	1.69
t-Butyl alcohol	ND		27		ppb v/v			03/18/21 17:28	1.69
Tetrachloroethene	ND		6.8		ppb v/v			03/18/21 17:28	1.69
Toluene	ND		10		ppb v/v			03/18/21 17:28	1.69

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22254-1

Client Sample ID: 224121-SSB-87

Lab Sample ID: 140-22254-7

Date Collected: 03/10/21 10:07

Matrix: Air

Date Received: 03/11/21 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		6.8		ppb v/v			03/18/21 17:28	1.69
trans-1,3-Dichloropropene	ND		6.8		ppb v/v			03/18/21 17:28	1.69
Trichloroethene	ND		3.0		ppb v/v			03/18/21 17:28	1.69
Trichlorofluoromethane	ND		6.8		ppb v/v			03/18/21 17:28	1.69
Vinyl chloride	ND		3.4		ppb v/v			03/18/21 17:28	1.69
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		37		ug/m3			03/18/21 17:28	1.69
1,1,2,2-Tetrachloroethane	ND		46		ug/m3			03/18/21 17:28	1.69
1,1,2-Trichloroethane	ND		37		ug/m3			03/18/21 17:28	1.69
1,1,2-Trichlorotrifluoroethane	ND		52		ug/m3			03/18/21 17:28	1.69
1,1-Dichloroethane	ND		27		ug/m3			03/18/21 17:28	1.69
1,1-Dichloroethene	ND		13		ug/m3			03/18/21 17:28	1.69
1,2,4-Trichlorobenzene	ND		50		ug/m3			03/18/21 17:28	1.69
1,2,4-Trimethylbenzene	ND		33		ug/m3			03/18/21 17:28	1.69
1,2-Dibromoethane	ND		52		ug/m3			03/18/21 17:28	1.69
1,2-Dichlorobenzene	ND		41		ug/m3			03/18/21 17:28	1.69
1,2-Dichloroethane	ND		27		ug/m3			03/18/21 17:28	1.69
1,2-Dichloropropane	ND		31		ug/m3			03/18/21 17:28	1.69
1,2-Dichlorotetrafluoroethane	ND	*+ UJ	47		ug/m3			03/18/21 17:28	1.69
1,3,5-Trimethylbenzene	ND		33		ug/m3			03/18/21 17:28	1.69
1,3-Dichlorobenzene	ND		41		ug/m3			03/18/21 17:28	1.69
1,4-Dichlorobenzene	ND		41		ug/m3			03/18/21 17:28	1.69
1,4-Dioxane	ND		61		ug/m3			03/18/21 17:28	1.69
2,2,4-Trimethylpentane	ND		79		ug/m3			03/18/21 17:28	1.69
2-Butanone	ND		80		ug/m3			03/18/21 17:28	1.69
4-Methyl-2-pentanone (MIBK)	ND		69		ug/m3			03/18/21 17:28	1.69
Benzene	ND		22		ug/m3			03/18/21 17:28	1.69
Benzyl chloride	ND		70		ug/m3			03/18/21 17:28	1.69
Bromodichloromethane	ND		45		ug/m3			03/18/21 17:28	1.69
Bromoform	ND		70		ug/m3			03/18/21 17:28	1.69
Bromomethane	ND	*+ UJ	26		ug/m3			03/18/21 17:28	1.69
Carbon tetrachloride	ND		17		ug/m3			03/18/21 17:28	1.69
Chlorobenzene	ND		31		ug/m3			03/18/21 17:28	1.69
Chloroethane	ND		18		ug/m3			03/18/21 17:28	1.69
Chloroform	ND		33		ug/m3			03/18/21 17:28	1.69
Chloromethane	ND		35		ug/m3			03/18/21 17:28	1.69
cis-1,2-Dichloroethene	ND		13		ug/m3			03/18/21 17:28	1.69
cis-1,3-Dichloropropene	ND		31		ug/m3			03/18/21 17:28	1.69
Cyclohexane	ND		58		ug/m3			03/18/21 17:28	1.69
Dibromochloromethane	ND		58		ug/m3			03/18/21 17:28	1.69
Dichlorodifluoromethane	ND		33		ug/m3			03/18/21 17:28	1.69
Ethanol	ND	UJ	320		ug/m3			03/18/21 17:28	1.69
Ethylbenzene	ND		29		ug/m3			03/18/21 17:28	1.69
Hexachlorobutadiene	ND	*+ UJ	72		ug/m3			03/18/21 17:28	1.69
Hexane	ND		60		ug/m3			03/18/21 17:28	1.69
Methyl tert-butyl ether	ND		49		ug/m3			03/18/21 17:28	1.69
Methylene Chloride	1400		120		ug/m3			03/18/21 17:28	1.69
m-Xylene & p-Xylene	ND		29		ug/m3			03/18/21 17:28	1.69

ALH 4/8/21

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22254-1

Client Sample ID: 224121-SSB-87

Lab Sample ID: 140-22254-7

Date Collected: 03/10/21 10:07

Matrix: Air

Date Received: 03/11/21 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND	*+ UJ	89		ug/m3			03/18/21 17:28	1.69
o-Xylene	ND		29		ug/m3			03/18/21 17:28	1.69
Styrene	ND		29		ug/m3			03/18/21 17:28	1.69
t-Butyl alcohol	ND		82		ug/m3			03/18/21 17:28	1.69
Tetrachloroethene	ND		46		ug/m3			03/18/21 17:28	1.69
Toluene	ND		38		ug/m3			03/18/21 17:28	1.69
trans-1,2-Dichloroethene	ND		27		ug/m3			03/18/21 17:28	1.69
trans-1,3-Dichloropropene	ND		31		ug/m3			03/18/21 17:28	1.69
Trichloroethene	ND		16		ug/m3			03/18/21 17:28	1.69
Trichlorofluoromethane	ND		38		ug/m3			03/18/21 17:28	1.69
Vinyl chloride	ND		8.6		ug/m3			03/18/21 17:28	1.69

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		60 - 140		03/18/21 17:28	1.69

Client Sample ID: 224121-IAB-87

Lab Sample ID: 140-22254-8

Date Collected: 03/10/21 10:08

Matrix: Air

Date Received: 03/11/21 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.080		ppb v/v			03/13/21 01:25	1.59
1,1,2,2-Tetrachloroethane	ND		0.080		ppb v/v			03/13/21 01:25	1.59
1,1,2-Trichloroethane	ND		0.080		ppb v/v			03/13/21 01:25	1.59
1,1,2-Trichlorotrifluoroethane	ND		0.080		ppb v/v			03/13/21 01:25	1.59
1,1-Dichloroethane	ND		0.080		ppb v/v			03/13/21 01:25	1.59
1,1-Dichloroethene	ND		0.040		ppb v/v			03/13/21 01:25	1.59
1,2,4-Trichlorobenzene	ND		0.080		ppb v/v			03/13/21 01:25	1.59
1,2,4-Trimethylbenzene	3.0		0.080		ppb v/v			03/13/21 01:25	1.59
1,2-Dibromoethane	ND		0.080		ppb v/v			03/13/21 01:25	1.59
1,2-Dichlorobenzene	ND		0.080		ppb v/v			03/13/21 01:25	1.59
1,2-Dichloroethane	ND		0.080		ppb v/v			03/13/21 01:25	1.59
1,2-Dichloropropane	ND		0.080		ppb v/v			03/13/21 01:25	1.59
1,2-Dichlorotetrafluoroethane	ND		0.080		ppb v/v			03/13/21 01:25	1.59
1,3,5-Trimethylbenzene	0.90		0.080		ppb v/v			03/13/21 01:25	1.59
1,3-Dichlorobenzene	ND		0.080		ppb v/v			03/13/21 01:25	1.59
1,4-Dichlorobenzene	ND		0.080		ppb v/v			03/13/21 01:25	1.59
1,4-Dioxane	ND		0.20		ppb v/v			03/13/21 01:25	1.59
2,2,4-Trimethylpentane	1.3		0.20		ppb v/v			03/13/21 01:25	1.59
2-Butanone	12		0.32		ppb v/v			03/13/21 01:25	1.59
4-Methyl-2-pentanone (MIBK)	2.5		0.20		ppb v/v			03/13/21 01:25	1.59
Benzene	0.81		0.080		ppb v/v			03/13/21 01:25	1.59
Benzyl chloride	ND		0.16		ppb v/v			03/13/21 01:25	1.59
Bromodichloromethane	ND		0.080		ppb v/v			03/13/21 01:25	1.59
Bromoform	ND		0.080		ppb v/v			03/13/21 01:25	1.59
Bromomethane	ND		0.080		ppb v/v			03/13/21 01:25	1.59
Carbon tetrachloride	0.075		0.032		ppb v/v			03/13/21 01:25	1.59
Chlorobenzene	ND		0.080		ppb v/v			03/13/21 01:25	1.59

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22254-1

Client Sample ID: 224121-IAB-87

Lab Sample ID: 140-22254-8

Date Collected: 03/10/21 10:08

Matrix: Air

Date Received: 03/11/21 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	ND		0.080		ppb v/v			03/13/21 01:25	1.59
Chloroform	ND		0.080		ppb v/v			03/13/21 01:25	1.59
Chloromethane	0.54		0.20		ppb v/v			03/13/21 01:25	1.59
cis-1,2-Dichloroethene	ND		0.040		ppb v/v			03/13/21 01:25	1.59
cis-1,3-Dichloropropene	ND		0.080		ppb v/v			03/13/21 01:25	1.59
Cyclohexane	1.2		0.20		ppb v/v			03/13/21 01:25	1.59
Dibromochloromethane	ND		0.080		ppb v/v			03/13/21 01:25	1.59
Dichlorodifluoromethane	0.21		0.080		ppb v/v			03/13/21 01:25	1.59
Ethanol	450	E	2.0		ppb v/v			03/13/21 01:25	1.59
Ethylbenzene	7.2		0.080		ppb v/v			03/13/21 01:25	1.59
Hexachlorobutadiene	ND		0.080		ppb v/v			03/13/21 01:25	1.59
Hexane	1.8		0.20		ppb v/v			03/13/21 01:25	1.59
Methyl tert-butyl ether	ND		0.16		ppb v/v			03/13/21 01:25	1.59
Methylene Chloride	130	E	0.40		ppb v/v			03/13/21 01:25	1.59
m-Xylene & p-Xylene	27		0.080		ppb v/v			03/13/21 01:25	1.59
Naphthalene	ND		0.20		ppb v/v			03/13/21 01:25	1.59
o-Xylene	8.5		0.080		ppb v/v			03/13/21 01:25	1.59
Styrene	2.0		0.080		ppb v/v			03/13/21 01:25	1.59
t-Butyl alcohol	1.8		0.32		ppb v/v			03/13/21 01:25	1.59
Tetrachloroethene	0.14		0.080		ppb v/v			03/13/21 01:25	1.59
Toluene	9.7		0.12		ppb v/v			03/13/21 01:25	1.59
trans-1,2-Dichloroethene	ND		0.080		ppb v/v			03/13/21 01:25	1.59
trans-1,3-Dichloropropene	ND		0.080		ppb v/v			03/13/21 01:25	1.59
Trichloroethene	ND		0.036		ppb v/v			03/13/21 01:25	1.59
Trichlorofluoromethane	0.22		0.080		ppb v/v			03/13/21 01:25	1.59
Vinyl chloride	ND		0.040		ppb v/v			03/13/21 01:25	1.59

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.44		ug/m3			03/13/21 01:25	1.59
1,1,2,2-Tetrachloroethane	ND		0.55		ug/m3			03/13/21 01:25	1.59
1,1,2-Trichloroethane	ND		0.44		ug/m3			03/13/21 01:25	1.59
1,1,2-Trichlorotrifluoroethane	ND		0.61		ug/m3			03/13/21 01:25	1.59
1,1-Dichloroethane	ND		0.32		ug/m3			03/13/21 01:25	1.59
1,1-Dichloroethene	ND		0.16		ug/m3			03/13/21 01:25	1.59
1,2,4-Trichlorobenzene	ND		0.59		ug/m3			03/13/21 01:25	1.59
1,2,4-Trimethylbenzene	15		0.39		ug/m3			03/13/21 01:25	1.59
1,2-Dibromoethane	ND		0.61		ug/m3			03/13/21 01:25	1.59
1,2-Dichlorobenzene	ND		0.48		ug/m3			03/13/21 01:25	1.59
1,2-Dichloroethane	ND		0.32		ug/m3			03/13/21 01:25	1.59
1,2-Dichloropropane	ND		0.37		ug/m3			03/13/21 01:25	1.59
1,2-Dichlorotetrafluoroethane	ND		0.56		ug/m3			03/13/21 01:25	1.59
1,3,5-Trimethylbenzene	4.4		0.39		ug/m3			03/13/21 01:25	1.59
1,3-Dichlorobenzene	ND		0.48		ug/m3			03/13/21 01:25	1.59
1,4-Dichlorobenzene	ND		0.48		ug/m3			03/13/21 01:25	1.59
1,4-Dioxane	ND		0.72		ug/m3			03/13/21 01:25	1.59
2,2,4-Trimethylpentane	6.1		0.93		ug/m3			03/13/21 01:25	1.59
2-Butanone	35		0.94		ug/m3			03/13/21 01:25	1.59
4-Methyl-2-pentanone (MIBK)	10		0.82		ug/m3			03/13/21 01:25	1.59
Benzene	2.6		0.26		ug/m3			03/13/21 01:25	1.59

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22254-1

Client Sample ID: 224121-IAB-87

Lab Sample ID: 140-22254-8

Date Collected: 03/10/21 10:08

Matrix: Air

Date Received: 03/11/21 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzyl chloride	ND		0.83		ug/m3			03/13/21 01:25	1.59
Bromodichloromethane	ND		0.54		ug/m3			03/13/21 01:25	1.59
Bromoform	ND		0.83		ug/m3			03/13/21 01:25	1.59
Bromomethane	ND		0.31		ug/m3			03/13/21 01:25	1.59
Carbon tetrachloride	0.47		0.20		ug/m3			03/13/21 01:25	1.59
Chlorobenzene	ND		0.37		ug/m3			03/13/21 01:25	1.59
Chloroethane	ND		0.21		ug/m3			03/13/21 01:25	1.59
Chloroform	ND		0.39		ug/m3			03/13/21 01:25	1.59
Chloromethane	1.1		0.41		ug/m3			03/13/21 01:25	1.59
cis-1,2-Dichloroethene	ND		0.16		ug/m3			03/13/21 01:25	1.59
cis-1,3-Dichloropropene	ND		0.36		ug/m3			03/13/21 01:25	1.59
Cyclohexane	4.1		0.69		ug/m3			03/13/21 01:25	1.59
Dibromochloromethane	ND		0.68		ug/m3			03/13/21 01:25	1.59
Dichlorodifluoromethane	1.1		0.40		ug/m3			03/13/21 01:25	1.59
Ethanol	1700	850 -E	3.8		ug/m3			03/13/21 01:25	1.59
Ethylbenzene	31		0.35		ug/m3			03/13/21 01:25	1.59
Hexachlorobutadiene	ND		0.85		ug/m3			03/13/21 01:25	1.59
Hexane	6.3		0.70		ug/m3			03/13/21 01:25	1.59
Methyl tert-butyl ether	ND		0.58		ug/m3			03/13/21 01:25	1.59
Methylene Chloride	820	440 -E	1.4		ug/m3			03/13/21 01:25	1.59
m-Xylene & p-Xylene	120		0.35		ug/m3			03/13/21 01:25	1.59
Naphthalene	ND		1.0		ug/m3			03/13/21 01:25	1.59
o-Xylene	37		0.35		ug/m3			03/13/21 01:25	1.59
Styrene	8.4		0.34		ug/m3			03/13/21 01:25	1.59
t-Butyl alcohol	5.5		0.97		ug/m3			03/13/21 01:25	1.59
Tetrachloroethene	0.98		0.54		ug/m3			03/13/21 01:25	1.59
Toluene	37		0.45		ug/m3			03/13/21 01:25	1.59
trans-1,2-Dichloroethene	ND		0.32		ug/m3			03/13/21 01:25	1.59
trans-1,3-Dichloropropene	ND		0.36		ug/m3			03/13/21 01:25	1.59
Trichloroethene	ND		0.19		ug/m3			03/13/21 01:25	1.59
Trichlorofluoromethane	1.2		0.45		ug/m3			03/13/21 01:25	1.59
Vinyl chloride	ND		0.10		ug/m3			03/13/21 01:25	1.59

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		60 - 140		03/13/21 01:25	1.59

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethanol	900	D	32		ppb v/v			03/17/21 20:27	1.59
Methylene Chloride	240	D	6.4		ppb v/v			03/17/21 20:27	1.59
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethanol	1700	D	60		ug/m3			03/17/21 20:27	1.59
Methylene Chloride	820	D	22		ug/m3			03/17/21 20:27	1.59

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		60 - 140		03/17/21 20:27	1.59

VALIDATA

Chemical Services, Inc.

2159 Wynnton Pointe, Duluth, GA 30097

(770) 232-0130

(770) 232-5082 (Fax)

www.datavalidator.com

DATA USABILITY SUMMARY REPORT

COMPANY: AECOM Technical Services Northeast, Inc.
PROJECT NAME: Meeker Ave. Plume Trackdown #224121
CONTRACTED LAB: Eurofins Test America, Knoxville
QA/QC LEVEL: DUSR
ANALYTICAL METHOD(S): EPA Method TO-15
VALIDATION GUIDELINES: USEPA Region II data validation SOP (VOA-TO15 HW-31 Rev.6), Professional Judgment
SAMPLE MATRIX: Air
TYPES OF ANALYSES: Volatile Organic Compounds (VOC)
DATA REVIEWER(S): Amy L. Hogan
SDG NUMBER: 140-22279-1
SAMPLING DATE(S): March 10-11, 2021

SAMPLES:

<u>Client Sample ID</u>	<u>Laboratory ID</u>	<u>VOC</u>
224121-OA-86	140-22279-1	X
224121-SS-88	140-22279-2	X
224121-IA-88	140-22279-3	X
224121-IA-88DL	140-22279-3DL	X
224121-OA-88	140-22279-4	X
224121-SS-89	140-22279-5	X
224121-IA-89	140-22279-6	X
224121-SS-85	140-22279-7	X
224121-SS-85DL	140-22279-7DL	X
224121-IA-85	140-22279-8	X
224121-SSA-90	140-22279-9	X
224121-IAA-90	140-22279-10	X
224121-SSB-90	140-22279-11	X
224121-IAB-60	140-22279-12	X
224121-SSA-91	140-22279-13	X
224121-IAA-91	140-22279-14	X
224121-SSB-91	140-22279-15	X
224121-IAB-91	140-22279-16	X

Suffix Codes: DL= DILUTION, MS = MATRIX SPIKE,
MSD = MATRIX SPIKE DUPLICATE, RE = REANALYSIS

Qualifier	Definition
U	The analyte was not detected and was reported as less than the LOD or as defined by the customer. The LOD has been adjusted for any dilution or concentration of the sample.
J	The reported result was an estimated value with an unknown bias.
J+	The result was an estimated quantity, but the result may be biased high.
J-	The result was an estimated quantity, but the result may be biased low.
N	The analysis indicates the presence of an analyte for which there was presumptive evidence to make a "tentative identification."
NJ	The analyte has been "tentatively identified" or "presumptively" as present and the associated numerical value was the estimated concentration in the sample.
UJ	The analyte was not detected and was reported as less than the LOD or as defined by the customer. However, the associated numerical value is approximate.
X	The sample results (including non-detects) were affected by serious deficiencies in the ability to analyze the sample and to meet published method and project quality control criteria. The presence or absence of the analyte cannot be substantiated by the data provided. Acceptance or rejection of the data should be decided by the project team (which should include a project chemist), but exclusion of the data is recommended.

DATA USABILITY SUMMARY

Eurofins Test America, Knoxville – 140-22279-1

VOLATILE ORGANICS

SUMMARY

I.) General:

The analyses for Volatile Organics were performed per EPA Method TO-15.

II.) Overall Assessment of Data:

All laboratory data were acceptable with qualifications.

It was noted on the Chain of Custody that the samples were received without a custody seal.

III.) Holding Times:

All Holding Time criteria were met. No data qualification was necessary.

IV.) GC/MS Tuning:

All GC/MS Tuning criteria were met. No data qualification was necessary.

V.) Calibration:

Initial Calibration:

All Initial Calibration criteria were met. No data qualification was necessary.

Initial Calibration Verification:

All Initial Calibration Verification criteria were met. No data qualification was necessary.

Continuing Calibration:

The Percent Differences (%Ds) for the standards run on 3/16/21 at 07:49 on instrument MH exceeded the 30% QC limit for the following compounds:

1,2-dichlorotetrafluoroethane	72.1%
bromomethane	54.8%
naphthalene	36.3%

hexachlorobutadiene

62.6%

The positive and non-detect results for these compounds in the associated samples were qualified as estimated (J) and (UJ). The associated samples were: 224121-OA-86, 224121-IA-88, 224121-OA-88, 224121-SS-89, 224121-IA-89, 224121-SS-85, 224121-SSA-90, 224121-IAA-90 and 224121-SSB-90.

The Percent Differences (%Ds) for the standards run on 3/18/21 at 09:10 on instrument MH exceeded the 30% QC limit for the following compounds:

1,2-dichlorotetrafluoroethane	98.4%
bromomethane	59.2%
ethanol	-34.8%
naphthalene	47.8%
hexachlorobutadiene	56.1%

The positive and non-detect results for these compounds in associated samples 224121-IAB-90 and 224121-IAA-91 were qualified as estimated (J) and (UJ).

The Percent Difference (%D) for the standards run on 3/19/21 at 08:49 on instrument MR was -31.5% for ethanol, which exceeded the 30% QC limit. The non-detect ethanol result for associated sample 224121-SSA-91 was qualified as estimated (UJ).

The Percent Difference (%D) for the standards run on 3/17/21 at 10:45 on instrument MS was -40.4% for ethanol, which exceeded the 30% QC limit. The non-detect ethanol result for associated sample 224121-SS-88 was qualified as estimated (UJ).

The Percent Difference (%D) for the standards run on 3/19/21 at 07:40 on instrument MS was -31.4% for ethanol, which exceeded the 30% QC limit. The non-detect ethanol results for associated samples 224121-SSB-91 and 224121-IAB-91 were qualified as estimated (UJ).

VI.) Blanks:

Method Blanks:

There were no detections in the method blanks for this SDG. No data qualification was necessary.

Canister Blanks:

There were no detects in the canister check blanks for this SDG. No data qualification was necessary.

VII.) Surrogate Recoveries:

All Surrogate Recovery criteria were met. No data qualification was necessary.

VIII.) Laboratory Control Samples (LCS):

Seven LCS were analyzed by the laboratory for this SDG. The Percent Recoveries (%Rs) for LCS 140-47697 exceeded the 70-130% QC limits for the following compounds:

1,2-dichlorotetrafluoroethane	172%
bromomethane	155%
hexachlorobutadiene	163%
naphthalene	136%

Since there were no positive results for these compounds in the associated samples, no data qualification was necessary.

The Percent Recovery (%R) for ethanol (60%) for LCS 140-47765 was below the 70-130% QC limits. The non-detect ethanol result for associated sample 224121-SS-88 was qualified as estimated (UJ).

The Percent Recoveries (%Rs) for LCS 140-47813 were outside the 70-130% QC limits for the following compounds:

1,2-dichlorotetrafluoroethane	198%
bromomethane	159%
hexachlorobutadiene	156%
naphthalene	148%
ethanol	65%

The positive ethanol results for associated samples 224121-IAB-90 and 224121-IAA-91 were qualified as estimated (J). Since the results for the other listed compounds were all non-detects, no further data qualification was necessary.

The Percent Recovery (%R) for ethanol (69%) for LCS 140-47860 was below the 70-130% QC limits. The positive ethanol result for associated sample 224121-SSA-91 was qualified as estimated (J).

The Percent Recovery (%R) for ethanol (69%) for LCS 140-47861 was below the 70-130% QC limits. The positive and non-detect ethanol results for associated samples 224121-SSB-91 and 224121-IAB-91 were qualified as estimated (J) and (UJ).

IX.) Field Duplicates:

There were no field duplicate samples identified as part of this SDG. No data qualification was necessary.

XI.) TCL Compound Identification:

All TCL Compound Identification criteria were met. No data qualification was necessary.

XII.) Internal Standards Performance (ISTD):

The Area Count Percent Recoveries (%Rs) for 1,4-difluorobenzene (58%) and chlorobenzene-d5 (54%) for sample 224121-IA-88DL and chlorobenzene-d5 (55%) for 22421-SS-85DL were below the 60-140% QC limits. Since the ISTD compounds were not associated with the target compounds for the dilution analyses, no data qualification was necessary.

XIII.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL):

The initial analysis ethanol result for sample 22421-IA-88 and methylene chloride result for sample 224121-SS-85 exceeded the linear calibration range. A dilution analysis was performed for each sample with all calibration criteria met. Based on the linear calibration range, the validator has determined that the dilution analysis ethanol result for sample 22421-IA-88 and methylene chloride result for sample 224121-SS-85 were of preferable data quality to the initial analysis results.

All other CRQL criteria were met.

Appendix A
Qualified Form Is

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22279-1

Client Sample ID: 224121-OA-86

Lab Sample ID: 140-22279-1

Date Collected: 03/10/21 10:20

Matrix: Air

Date Received: 03/12/21 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.080		ppb v/v			03/16/21 15:58	1.46
1,1,2,2-Tetrachloroethane	ND		0.080		ppb v/v			03/16/21 15:58	1.46
1,1,2-Trichloroethane	ND		0.080		ppb v/v			03/16/21 15:58	1.46
1,1,2-Trichlorotrifluoroethane	0.18		0.080		ppb v/v			03/16/21 15:58	1.46
1,1-Dichloroethane	ND		0.080		ppb v/v			03/16/21 15:58	1.46
1,1-Dichloroethene	ND		0.040		ppb v/v			03/16/21 15:58	1.46
1,2,4-Trichlorobenzene	ND		0.080		ppb v/v			03/16/21 15:58	1.46
1,2,4-Trimethylbenzene	0.28		0.080		ppb v/v			03/16/21 15:58	1.46
1,2-Dibromoethane	ND		0.080		ppb v/v			03/16/21 15:58	1.46
1,2-Dichlorobenzene	ND		0.080		ppb v/v			03/16/21 15:58	1.46
1,2-Dichloroethane	ND		0.080		ppb v/v			03/16/21 15:58	1.46
1,2-Dichloropropane	ND		0.080		ppb v/v			03/16/21 15:58	1.46
1,2-Dichlorotetrafluoroethane	ND	*+	0.080		ppb v/v			03/16/21 15:58	1.46
1,3,5-Trimethylbenzene	0.083		0.080		ppb v/v			03/16/21 15:58	1.46
1,3-Dichlorobenzene	ND		0.080		ppb v/v			03/16/21 15:58	1.46
1,4-Dichlorobenzene	ND		0.080		ppb v/v			03/16/21 15:58	1.46
1,4-Dioxane	ND		0.20		ppb v/v			03/16/21 15:58	1.46
2,2,4-Trimethylpentane	0.62		0.20		ppb v/v			03/16/21 15:58	1.46
2-Butanone	0.59		0.32		ppb v/v			03/16/21 15:58	1.46
4-Methyl-2-pentanone (MIBK)	0.24		0.20		ppb v/v			03/16/21 15:58	1.46
Benzene	0.54		0.080		ppb v/v			03/16/21 15:58	1.46
Benzyl chloride	ND		0.16		ppb v/v			03/16/21 15:58	1.46
Bromodichloromethane	ND		0.080		ppb v/v			03/16/21 15:58	1.46
Bromoform	ND		0.080		ppb v/v			03/16/21 15:58	1.46
Bromomethane	ND	*+	0.080		ppb v/v			03/16/21 15:58	1.46
Carbon tetrachloride	0.072		0.032		ppb v/v			03/16/21 15:58	1.46
Chlorobenzene	ND		0.080		ppb v/v			03/16/21 15:58	1.46
Chloroethane	0.095		0.080		ppb v/v			03/16/21 15:58	1.46
Chloroform	ND		0.080		ppb v/v			03/16/21 15:58	1.46
Chloromethane	1.6		0.20		ppb v/v			03/16/21 15:58	1.46
cis-1,2-Dichloroethene	ND		0.040		ppb v/v			03/16/21 15:58	1.46
cis-1,3-Dichloropropene	ND		0.080		ppb v/v			03/16/21 15:58	1.46
Cyclohexane	0.73		0.20		ppb v/v			03/16/21 15:58	1.46
Dibromochloromethane	ND		0.080		ppb v/v			03/16/21 15:58	1.46
Dichlorodifluoromethane	0.43		0.080		ppb v/v			03/16/21 15:58	1.46
Ethanol	16		2.0		ppb v/v			03/16/21 15:58	1.46
Ethylbenzene	0.25		0.080		ppb v/v			03/16/21 15:58	1.46
Hexachlorobutadiene	ND	*+	0.080		ppb v/v			03/16/21 15:58	1.46
Hexane	1.5		0.20		ppb v/v			03/16/21 15:58	1.46
Methyl tert-butyl ether	ND		0.16		ppb v/v			03/16/21 15:58	1.46
Methylene Chloride	0.90		0.40		ppb v/v			03/16/21 15:58	1.46
m-Xylene & p-Xylene	0.93		0.080		ppb v/v			03/16/21 15:58	1.46
Naphthalene	ND		0.20		ppb v/v			03/16/21 15:58	1.46
o-Xylene	0.35		0.080		ppb v/v			03/16/21 15:58	1.46
Styrene	ND		0.080		ppb v/v			03/16/21 15:58	1.46
t-Butyl alcohol	ND		0.32		ppb v/v			03/16/21 15:58	1.46
Tetrachloroethene	ND		0.080		ppb v/v			03/16/21 15:58	1.46
Toluene	2.3		0.12		ppb v/v			03/16/21 15:58	1.46

Client Sample Results

Client: New York State D.E.C.
 Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22279-1

Client Sample ID: 224121-OA-86

Lab Sample ID: 140-22279-1

Date Collected: 03/10/21 10:20

Matrix: Air

Date Received: 03/12/21 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		0.080		ppb v/v			03/16/21 15:58	1.46
trans-1,3-Dichloropropene	ND		0.080		ppb v/v			03/16/21 15:58	1.46
Trichloroethene	ND		0.036		ppb v/v			03/16/21 15:58	1.46
Trichlorofluoromethane	0.28		0.080		ppb v/v			03/16/21 15:58	1.46
Vinyl chloride	ND		0.040		ppb v/v			03/16/21 15:58	1.46
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.44		ug/m3			03/16/21 15:58	1.46
1,1,2,2-Tetrachloroethane	ND		0.55		ug/m3			03/16/21 15:58	1.46
1,1,2-Trichloroethane	ND		0.44		ug/m3			03/16/21 15:58	1.46
1,1,2-Trichlorotrifluoroethane	1.4		0.61		ug/m3			03/16/21 15:58	1.46
1,1-Dichloroethane	ND		0.32		ug/m3			03/16/21 15:58	1.46
1,1-Dichloroethene	ND		0.16		ug/m3			03/16/21 15:58	1.46
1,2,4-Trichlorobenzene	ND		0.59		ug/m3			03/16/21 15:58	1.46
1,2,4-Trimethylbenzene	1.4		0.39		ug/m3			03/16/21 15:58	1.46
1,2-Dibromoethane	ND		0.61		ug/m3			03/16/21 15:58	1.46
1,2-Dichlorobenzene	ND		0.48		ug/m3			03/16/21 15:58	1.46
1,2-Dichloroethane	ND		0.32		ug/m3			03/16/21 15:58	1.46
1,2-Dichloropropane	ND		0.37		ug/m3			03/16/21 15:58	1.46
1,2-Dichlorotetrafluoroethane	ND	*+ UJ	0.56		ug/m3			03/16/21 15:58	1.46
1,3,5-Trimethylbenzene	0.41		0.39		ug/m3			03/16/21 15:58	1.46
1,3-Dichlorobenzene	ND		0.48		ug/m3			03/16/21 15:58	1.46
1,4-Dichlorobenzene	ND		0.48		ug/m3			03/16/21 15:58	1.46
1,4-Dioxane	ND		0.72		ug/m3			03/16/21 15:58	1.46
2,2,4-Trimethylpentane	2.9		0.93		ug/m3			03/16/21 15:58	1.46
2-Butanone	1.7		0.94		ug/m3			03/16/21 15:58	1.46
4-Methyl-2-pentanone (MIBK)	0.98		0.82		ug/m3			03/16/21 15:58	1.46
Benzene	1.7		0.26		ug/m3			03/16/21 15:58	1.46
Benzyl chloride	ND		0.83		ug/m3			03/16/21 15:58	1.46
Bromodichloromethane	ND		0.54		ug/m3			03/16/21 15:58	1.46
Bromoform	ND		0.83		ug/m3			03/16/21 15:58	1.46
Bromomethane	ND	*+ UJ	0.31		ug/m3			03/16/21 15:58	1.46
Carbon tetrachloride	0.45		0.20		ug/m3			03/16/21 15:58	1.46
Chlorobenzene	ND		0.37		ug/m3			03/16/21 15:58	1.46
Chloroethane	0.25		0.21		ug/m3			03/16/21 15:58	1.46
Chloroform	ND		0.39		ug/m3			03/16/21 15:58	1.46
Chloromethane	3.3		0.41		ug/m3			03/16/21 15:58	1.46
cis-1,2-Dichloroethene	ND		0.16		ug/m3			03/16/21 15:58	1.46
cis-1,3-Dichloropropene	ND		0.36		ug/m3			03/16/21 15:58	1.46
Cyclohexane	2.5		0.69		ug/m3			03/16/21 15:58	1.46
Dibromochloromethane	ND		0.68		ug/m3			03/16/21 15:58	1.46
Dichlorodifluoromethane	2.1		0.40		ug/m3			03/16/21 15:58	1.46
Ethanol	29		3.8		ug/m3			03/16/21 15:58	1.46
Ethylbenzene	1.1		0.35		ug/m3			03/16/21 15:58	1.46
Hexachlorobutadiene	ND	*+ UJ	0.85		ug/m3			03/16/21 15:58	1.46
Hexane	5.2		0.70		ug/m3			03/16/21 15:58	1.46
Methyl tert-butyl ether	ND		0.58		ug/m3			03/16/21 15:58	1.46
Methylene Chloride	3.1		1.4		ug/m3			03/16/21 15:58	1.46
m-Xylene & p-Xylene	4.0		0.35		ug/m3			03/16/21 15:58	1.46

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22279-1

Client Sample ID: 224121-OA-86

Lab Sample ID: 140-22279-1

Date Collected: 03/10/21 10:20

Matrix: Air

Date Received: 03/12/21 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND	UJ	1.0		ug/m3			03/16/21 15:58	1.46
o-Xylene	1.5		0.35		ug/m3			03/16/21 15:58	1.46
Styrene	ND		0.34		ug/m3			03/16/21 15:58	1.46
t-Butyl alcohol	ND		0.97		ug/m3			03/16/21 15:58	1.46
Tetrachloroethene	ND		0.54		ug/m3			03/16/21 15:58	1.46
Toluene	8.6		0.45		ug/m3			03/16/21 15:58	1.46
trans-1,2-Dichloroethene	ND		0.32		ug/m3			03/16/21 15:58	1.46
trans-1,3-Dichloropropene	ND		0.36		ug/m3			03/16/21 15:58	1.46
Trichloroethene	ND		0.19		ug/m3			03/16/21 15:58	1.46
Trichlorofluoromethane	1.6		0.45		ug/m3			03/16/21 15:58	1.46
Vinyl chloride	ND		0.10		ug/m3			03/16/21 15:58	1.46

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		60 - 140		03/16/21 15:58	1.46

Client Sample ID: 224121-SS-88

Lab Sample ID: 140-22279-2

Date Collected: 03/10/21 11:12

Matrix: Air

Date Received: 03/12/21 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.80		ppb v/v			03/17/21 23:15	1
1,1,2,2-Tetrachloroethane	ND		0.80		ppb v/v			03/17/21 23:15	1
1,1,2-Trichloroethane	ND		0.80		ppb v/v			03/17/21 23:15	1
1,1,2-Trichlorotrifluoroethane	ND		0.80		ppb v/v			03/17/21 23:15	1
1,1-Dichloroethane	ND		0.80		ppb v/v			03/17/21 23:15	1
1,1-Dichloroethene	ND		0.40		ppb v/v			03/17/21 23:15	1
1,2,4-Trichlorobenzene	ND		0.80		ppb v/v			03/17/21 23:15	1
1,2,4-Trimethylbenzene	ND		0.80		ppb v/v			03/17/21 23:15	1
1,2-Dibromoethane	ND		0.80		ppb v/v			03/17/21 23:15	1
1,2-Dichlorobenzene	ND		0.80		ppb v/v			03/17/21 23:15	1
1,2-Dichloroethane	1.9		0.80		ppb v/v			03/17/21 23:15	1
1,2-Dichloropropane	ND		0.80		ppb v/v			03/17/21 23:15	1
1,2-Dichlorotetrafluoroethane	ND		0.80		ppb v/v			03/17/21 23:15	1
1,3,5-Trimethylbenzene	ND		0.80		ppb v/v			03/17/21 23:15	1
1,3-Dichlorobenzene	ND		0.80		ppb v/v			03/17/21 23:15	1
1,4-Dichlorobenzene	ND		0.80		ppb v/v			03/17/21 23:15	1
1,4-Dioxane	ND		2.0		ppb v/v			03/17/21 23:15	1
2,2,4-Trimethylpentane	ND		2.0		ppb v/v			03/17/21 23:15	1
2-Butanone	ND		3.2		ppb v/v			03/17/21 23:15	1
4-Methyl-2-pentanone (MIBK)	ND		2.0		ppb v/v			03/17/21 23:15	1
Benzene	ND		0.80		ppb v/v			03/17/21 23:15	1
Benzyl chloride	ND		1.6		ppb v/v			03/17/21 23:15	1
Bromodichloromethane	ND		0.80		ppb v/v			03/17/21 23:15	1
Bromoform	ND		0.80		ppb v/v			03/17/21 23:15	1
Bromomethane	ND		0.80		ppb v/v			03/17/21 23:15	1
Carbon tetrachloride	ND		0.32		ppb v/v			03/17/21 23:15	1
Chlorobenzene	ND		0.80		ppb v/v			03/17/21 23:15	1

Eurofins TestAmerica, Knoxville

ALH 4/7/21

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22279-1

Client Sample ID: 224121-SS-88

Lab Sample ID: 140-22279-2

Date Collected: 03/10/21 11:12

Matrix: Air

Date Received: 03/12/21 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	1.2		0.80		ppb v/v			03/17/21 23:15	1
Chloroform	2.3		0.80		ppb v/v			03/17/21 23:15	1
Chloromethane	ND		2.0		ppb v/v			03/17/21 23:15	1
cis-1,2-Dichloroethene	ND		0.40		ppb v/v			03/17/21 23:15	1
cis-1,3-Dichloropropene	ND		0.80		ppb v/v			03/17/21 23:15	1
Cyclohexane	2.7		2.0		ppb v/v			03/17/21 23:15	1
Dibromochloromethane	ND		0.80		ppb v/v			03/17/21 23:15	1
Dichlorodifluoromethane	ND		0.80		ppb v/v			03/17/21 23:15	1
Ethanol	ND		20		ppb v/v			03/17/21 23:15	1
Ethylbenzene	ND		0.80		ppb v/v			03/17/21 23:15	1
Hexachlorobutadiene	ND		0.80		ppb v/v			03/17/21 23:15	1
Hexane	ND		2.0		ppb v/v			03/17/21 23:15	1
Methyl tert-butyl ether	ND		1.6		ppb v/v			03/17/21 23:15	1
Methylene Chloride	ND		4.0		ppb v/v			03/17/21 23:15	1
m-Xylene & p-Xylene	ND		0.80		ppb v/v			03/17/21 23:15	1
Naphthalene	ND		2.0		ppb v/v			03/17/21 23:15	1
o-Xylene	ND		0.80		ppb v/v			03/17/21 23:15	1
Styrene	ND		0.80		ppb v/v			03/17/21 23:15	1
t-Butyl alcohol	ND		3.2		ppb v/v			03/17/21 23:15	1
Tetrachloroethene	11		0.80		ppb v/v			03/17/21 23:15	1
Toluene	ND		1.2		ppb v/v			03/17/21 23:15	1
trans-1,2-Dichloroethene	ND		0.80		ppb v/v			03/17/21 23:15	1
trans-1,3-Dichloropropene	ND		0.80		ppb v/v			03/17/21 23:15	1
Trichloroethene	ND		0.36		ppb v/v			03/17/21 23:15	1
Trichlorofluoromethane	ND		0.80		ppb v/v			03/17/21 23:15	1
Vinyl chloride	0.96		0.40		ppb v/v			03/17/21 23:15	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.4		ug/m3			03/17/21 23:15	1
1,1,2,2-Tetrachloroethane	ND		5.5		ug/m3			03/17/21 23:15	1
1,1,2-Trichloroethane	ND		4.4		ug/m3			03/17/21 23:15	1
1,1,2-Trichlorotrifluoroethane	ND		6.1		ug/m3			03/17/21 23:15	1
1,1-Dichloroethane	ND		3.2		ug/m3			03/17/21 23:15	1
1,1-Dichloroethene	ND		1.6		ug/m3			03/17/21 23:15	1
1,2,4-Trichlorobenzene	ND		5.9		ug/m3			03/17/21 23:15	1
1,2,4-Trimethylbenzene	ND		3.9		ug/m3			03/17/21 23:15	1
1,2-Dibromoethane	ND		6.1		ug/m3			03/17/21 23:15	1
1,2-Dichlorobenzene	ND		4.8		ug/m3			03/17/21 23:15	1
1,2-Dichloroethane	7.8		3.2		ug/m3			03/17/21 23:15	1
1,2-Dichloropropane	ND		3.7		ug/m3			03/17/21 23:15	1
1,2-Dichlorotetrafluoroethane	ND		5.6		ug/m3			03/17/21 23:15	1
1,3,5-Trimethylbenzene	ND		3.9		ug/m3			03/17/21 23:15	1
1,3-Dichlorobenzene	ND		4.8		ug/m3			03/17/21 23:15	1
1,4-Dichlorobenzene	ND		4.8		ug/m3			03/17/21 23:15	1
1,4-Dioxane	ND		7.2		ug/m3			03/17/21 23:15	1
2,2,4-Trimethylpentane	ND		9.3		ug/m3			03/17/21 23:15	1
2-Butanone	ND		9.4		ug/m3			03/17/21 23:15	1
4-Methyl-2-pentanone (MIBK)	ND		8.2		ug/m3			03/17/21 23:15	1
Benzene	ND		2.6		ug/m3			03/17/21 23:15	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22279-1

Client Sample ID: 224121-SS-88

Lab Sample ID: 140-22279-2

Date Collected: 03/10/21 11:12

Matrix: Air

Date Received: 03/12/21 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzyl chloride	ND		8.3		ug/m3			03/17/21 23:15	1
Bromodichloromethane	ND		5.4		ug/m3			03/17/21 23:15	1
Bromoform	ND		8.3		ug/m3			03/17/21 23:15	1
Bromomethane	ND		3.1		ug/m3			03/17/21 23:15	1
Carbon tetrachloride	ND		2.0		ug/m3			03/17/21 23:15	1
Chlorobenzene	ND		3.7		ug/m3			03/17/21 23:15	1
Chloroethane	3.2		2.1		ug/m3			03/17/21 23:15	1
Chloroform	11		3.9		ug/m3			03/17/21 23:15	1
Chloromethane	ND		4.1		ug/m3			03/17/21 23:15	1
cis-1,2-Dichloroethene	ND		1.6		ug/m3			03/17/21 23:15	1
cis-1,3-Dichloropropene	ND		3.6		ug/m3			03/17/21 23:15	1
Cyclohexane	9.2		6.9		ug/m3			03/17/21 23:15	1
Dibromochloromethane	ND		6.8		ug/m3			03/17/21 23:15	1
Dichlorodifluoromethane	ND		4.0		ug/m3			03/17/21 23:15	1
Ethanol	ND	UJ	38		ug/m3			03/17/21 23:15	1
Ethylbenzene	ND		3.5		ug/m3			03/17/21 23:15	1
Hexachlorobutadiene	ND		8.5		ug/m3			03/17/21 23:15	1
Hexane	ND		7.0		ug/m3			03/17/21 23:15	1
Methyl tert-butyl ether	ND		5.8		ug/m3			03/17/21 23:15	1
Methylene Chloride	ND		14		ug/m3			03/17/21 23:15	1
m-Xylene & p-Xylene	ND		3.5		ug/m3			03/17/21 23:15	1
Naphthalene	ND		10		ug/m3			03/17/21 23:15	1
o-Xylene	ND		3.5		ug/m3			03/17/21 23:15	1
Styrene	ND		3.4		ug/m3			03/17/21 23:15	1
t-Butyl alcohol	ND		9.7		ug/m3			03/17/21 23:15	1
Tetrachloroethene	72		5.4		ug/m3			03/17/21 23:15	1
Toluene	ND		4.5		ug/m3			03/17/21 23:15	1
trans-1,2-Dichloroethene	ND		3.2		ug/m3			03/17/21 23:15	1
trans-1,3-Dichloropropene	ND		3.6		ug/m3			03/17/21 23:15	1
Trichloroethene	ND		1.9		ug/m3			03/17/21 23:15	1
Trichlorofluoromethane	ND		4.5		ug/m3			03/17/21 23:15	1
Vinyl chloride	2.5		1.0		ug/m3			03/17/21 23:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		60 - 140					03/17/21 23:15	1

Client Sample ID: 224121-IA-88

Lab Sample ID: 140-22279-3

Date Collected: 03/10/21 11:14

Matrix: Air

Date Received: 03/12/21 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.080		ppb v/v			03/16/21 17:39	1
1,1,2,2-Tetrachloroethane	ND		0.080		ppb v/v			03/16/21 17:39	1
1,1,2-Trichloroethane	ND		0.080		ppb v/v			03/16/21 17:39	1
1,1,2-Trichlorotrifluoroethane	0.080		0.080		ppb v/v			03/16/21 17:39	1
1,1-Dichloroethane	ND		0.080		ppb v/v			03/16/21 17:39	1
1,1-Dichloroethene	ND		0.040		ppb v/v			03/16/21 17:39	1

Eurofins TestAmerica, Knoxville

ALH 4/7/21

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22279-1

Client Sample ID: 224121-IA-88

Lab Sample ID: 140-22279-3

Date Collected: 03/10/21 11:14

Matrix: Air

Date Received: 03/12/21 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.080		ppb v/v			03/16/21 17:39	1
1,2,4-Trimethylbenzene	0.14		0.080		ppb v/v			03/16/21 17:39	1
1,2-Dibromoethane	ND		0.080		ppb v/v			03/16/21 17:39	1
1,2-Dichlorobenzene	ND		0.080		ppb v/v			03/16/21 17:39	1
1,2-Dichloroethane	ND		0.080		ppb v/v			03/16/21 17:39	1
1,2-Dichloropropane	ND		0.080		ppb v/v			03/16/21 17:39	1
1,2-Dichlorotetrafluoroethane	ND	*+	0.080		ppb v/v			03/16/21 17:39	1
1,3,5-Trimethylbenzene	ND		0.080		ppb v/v			03/16/21 17:39	1
1,3-Dichlorobenzene	ND		0.080		ppb v/v			03/16/21 17:39	1
1,4-Dichlorobenzene	3.2		0.080		ppb v/v			03/16/21 17:39	1
1,4-Dioxane	ND		0.20		ppb v/v			03/16/21 17:39	1
2,2,4-Trimethylpentane	0.21		0.20		ppb v/v			03/16/21 17:39	1
2-Butanone	0.44		0.32		ppb v/v			03/16/21 17:39	1
4-Methyl-2-pentanone (MIBK)	ND		0.20		ppb v/v			03/16/21 17:39	1
Benzene	0.32		0.080		ppb v/v			03/16/21 17:39	1
Benzyl chloride	ND		0.16		ppb v/v			03/16/21 17:39	1
Bromodichloromethane	ND		0.080		ppb v/v			03/16/21 17:39	1
Bromoform	ND		0.080		ppb v/v			03/16/21 17:39	1
Bromomethane	ND	*+	0.080		ppb v/v			03/16/21 17:39	1
Carbon tetrachloride	0.074		0.032		ppb v/v			03/16/21 17:39	1
Chlorobenzene	ND		0.080		ppb v/v			03/16/21 17:39	1
Chloroethane	ND		0.080		ppb v/v			03/16/21 17:39	1
Chloroform	ND		0.080		ppb v/v			03/16/21 17:39	1
Chloromethane	0.99		0.20		ppb v/v			03/16/21 17:39	1
cis-1,2-Dichloroethene	ND		0.040		ppb v/v			03/16/21 17:39	1
cis-1,3-Dichloropropene	ND		0.080		ppb v/v			03/16/21 17:39	1
Cyclohexane	ND		0.20		ppb v/v			03/16/21 17:39	1
Dibromochloromethane	ND		0.080		ppb v/v			03/16/21 17:39	1
Dichlorodifluoromethane	0.47		0.080		ppb v/v			03/16/21 17:39	1
Ethanol	160	E	2.0		ppb v/v			03/16/21 17:39	1
Ethylbenzene	0.12		0.080		ppb v/v			03/16/21 17:39	1
Hexachlorobutadiene	ND	*+	0.080		ppb v/v			03/16/21 17:39	1
Hexane	0.32		0.20		ppb v/v			03/16/21 17:39	1
Methyl tert-butyl ether	ND		0.16		ppb v/v			03/16/21 17:39	1
Methylene Chloride	0.92		0.40		ppb v/v			03/16/21 17:39	1
m-Xylene & p-Xylene	0.44		0.080		ppb v/v			03/16/21 17:39	1
Naphthalene	ND		0.20		ppb v/v			03/16/21 17:39	1
o-Xylene	0.17		0.080		ppb v/v			03/16/21 17:39	1
Styrene	ND		0.080		ppb v/v			03/16/21 17:39	1
t-Butyl alcohol	ND		0.32		ppb v/v			03/16/21 17:39	1
Tetrachloroethene	ND		0.080		ppb v/v			03/16/21 17:39	1
Toluene	0.94		0.12		ppb v/v			03/16/21 17:39	1
trans-1,2-Dichloroethene	ND		0.080		ppb v/v			03/16/21 17:39	1
trans-1,3-Dichloropropene	ND		0.080		ppb v/v			03/16/21 17:39	1
Trichloroethene	ND		0.036		ppb v/v			03/16/21 17:39	1
Trichlorofluoromethane	0.26		0.080		ppb v/v			03/16/21 17:39	1
Vinyl chloride	ND		0.040		ppb v/v			03/16/21 17:39	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22279-1

Client Sample ID: 224121-IA-88

Lab Sample ID: 140-22279-3

Date Collected: 03/10/21 11:14

Matrix: Air

Date Received: 03/12/21 09:50

Sample Container: Summa Canister 6L

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.44		ug/m3			03/16/21 17:39	1
1,1,2,2-Tetrachloroethane	ND		0.55		ug/m3			03/16/21 17:39	1
1,1,2-Trichloroethane	ND		0.44		ug/m3			03/16/21 17:39	1
1,1,2-Trichlorotrifluoroethane	0.61		0.61		ug/m3			03/16/21 17:39	1
1,1-Dichloroethane	ND		0.32		ug/m3			03/16/21 17:39	1
1,1-Dichloroethene	ND		0.16		ug/m3			03/16/21 17:39	1
1,2,4-Trichlorobenzene	ND		0.59		ug/m3			03/16/21 17:39	1
1,2,4-Trimethylbenzene	0.69		0.39		ug/m3			03/16/21 17:39	1
1,2-Dibromoethane	ND		0.61		ug/m3			03/16/21 17:39	1
1,2-Dichlorobenzene	ND		0.48		ug/m3			03/16/21 17:39	1
1,2-Dichloroethane	ND		0.32		ug/m3			03/16/21 17:39	1
1,2-Dichloropropane	ND		0.37		ug/m3			03/16/21 17:39	1
1,2-Dichlorotetrafluoroethane	ND	*+ UJ	0.56		ug/m3			03/16/21 17:39	1
1,3,5-Trimethylbenzene	ND		0.39		ug/m3			03/16/21 17:39	1
1,3-Dichlorobenzene	ND		0.48		ug/m3			03/16/21 17:39	1
1,4-Dichlorobenzene	19		0.48		ug/m3			03/16/21 17:39	1
1,4-Dioxane	ND		0.72		ug/m3			03/16/21 17:39	1
2,2,4-Trimethylpentane	0.98		0.93		ug/m3			03/16/21 17:39	1
2-Butanone	1.3		0.94		ug/m3			03/16/21 17:39	1
4-Methyl-2-pentanone (MIBK)	ND		0.82		ug/m3			03/16/21 17:39	1
Benzene	1.0		0.26		ug/m3			03/16/21 17:39	1
Benzyl chloride	ND		0.83		ug/m3			03/16/21 17:39	1
Bromodichloromethane	ND		0.54		ug/m3			03/16/21 17:39	1
Bromoform	ND		0.83		ug/m3			03/16/21 17:39	1
Bromomethane	ND	*+ UJ	0.31		ug/m3			03/16/21 17:39	1
Carbon tetrachloride	0.46		0.20		ug/m3			03/16/21 17:39	1
Chlorobenzene	ND		0.37		ug/m3			03/16/21 17:39	1
Chloroethane	ND		0.21		ug/m3			03/16/21 17:39	1
Chloroform	ND		0.39		ug/m3			03/16/21 17:39	1
Chloromethane	2.1		0.41		ug/m3			03/16/21 17:39	1
cis-1,2-Dichloroethene	ND		0.16		ug/m3			03/16/21 17:39	1
cis-1,3-Dichloropropene	ND		0.36		ug/m3			03/16/21 17:39	1
Cyclohexane	ND		0.69		ug/m3			03/16/21 17:39	1
Dibromochloromethane	ND		0.68		ug/m3			03/16/21 17:39	1
Dichlorodifluoromethane	2.3		0.40		ug/m3			03/16/21 17:39	1
Ethanol	300 E		3.8		ug/m3			03/16/21 17:39	1
Ethylbenzene	0.52		0.35		ug/m3			03/16/21 17:39	1
Hexachlorobutadiene	ND	*+ UJ	0.85		ug/m3			03/16/21 17:39	1
Hexane	1.1		0.70		ug/m3			03/16/21 17:39	1
Methyl tert-butyl ether	ND		0.58		ug/m3			03/16/21 17:39	1
Methylene Chloride	3.2		1.4		ug/m3			03/16/21 17:39	1
m-Xylene & p-Xylene	1.9		0.35		ug/m3			03/16/21 17:39	1
Naphthalene	ND	UJ	1.0		ug/m3			03/16/21 17:39	1
o-Xylene	0.72		0.35		ug/m3			03/16/21 17:39	1
Styrene	ND		0.34		ug/m3			03/16/21 17:39	1
t-Butyl alcohol	ND		0.97		ug/m3			03/16/21 17:39	1
Tetrachloroethene	ND		0.54		ug/m3			03/16/21 17:39	1
Toluene	3.5		0.45		ug/m3			03/16/21 17:39	1
trans-1,2-Dichloroethene	ND		0.32		ug/m3			03/16/21 17:39	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22279-1

Client Sample ID: 224121-IA-88

Lab Sample ID: 140-22279-3

Date Collected: 03/10/21 11:14

Matrix: Air

Date Received: 03/12/21 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	ND		0.36		ug/m3			03/16/21 17:39	1
Trichloroethene	ND		0.19		ug/m3			03/16/21 17:39	1
Trichlorofluoromethane	1.5		0.45		ug/m3			03/16/21 17:39	1
Vinyl chloride	ND		0.10		ug/m3			03/16/21 17:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		60 - 140					03/16/21 17:39	1

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethanol	160	D	10		ppb v/v			03/17/21 21:10	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethanol	290	D	19		ug/m3			03/17/21 21:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90	*3	60 - 140					03/17/21 21:10	1

Client Sample ID: 224121-OA-88

Lab Sample ID: 140-22279-4

Date Collected: 03/10/21 11:16

Matrix: Air

Date Received: 03/12/21 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.080		ppb v/v			03/16/21 18:29	1
1,1,2,2-Tetrachloroethane	ND		0.080		ppb v/v			03/16/21 18:29	1
1,1,2-Trichloroethane	ND		0.080		ppb v/v			03/16/21 18:29	1
1,1,2-Trichlorotrifluoroethane	ND		0.080		ppb v/v			03/16/21 18:29	1
1,1-Dichloroethane	ND		0.080		ppb v/v			03/16/21 18:29	1
1,1-Dichloroethene	ND		0.040		ppb v/v			03/16/21 18:29	1
1,2,4-Trichlorobenzene	ND		0.080		ppb v/v			03/16/21 18:29	1
1,2,4-Trimethylbenzene	ND		0.080		ppb v/v			03/16/21 18:29	1
1,2-Dibromoethane	ND		0.080		ppb v/v			03/16/21 18:29	1
1,2-Dichlorobenzene	ND		0.080		ppb v/v			03/16/21 18:29	1
1,2-Dichloroethane	ND		0.080		ppb v/v			03/16/21 18:29	1
1,2-Dichloropropane	ND		0.080		ppb v/v			03/16/21 18:29	1
1,2-Dichlorotetrafluoroethane	ND	*+	0.080		ppb v/v			03/16/21 18:29	1
1,3,5-Trimethylbenzene	ND		0.080		ppb v/v			03/16/21 18:29	1
1,3-Dichlorobenzene	ND		0.080		ppb v/v			03/16/21 18:29	1
1,4-Dichlorobenzene	ND		0.080		ppb v/v			03/16/21 18:29	1
1,4-Dioxane	ND		0.20		ppb v/v			03/16/21 18:29	1
2,2,4-Trimethylpentane	ND		0.20		ppb v/v			03/16/21 18:29	1
2-Butanone	ND		0.32		ppb v/v			03/16/21 18:29	1
4-Methyl-2-pentanone (MIBK)	ND		0.20		ppb v/v			03/16/21 18:29	1
Benzene	0.28		0.080		ppb v/v			03/16/21 18:29	1
Benzyl chloride	ND		0.16		ppb v/v			03/16/21 18:29	1
Bromodichloromethane	ND		0.080		ppb v/v			03/16/21 18:29	1
Bromoform	ND		0.080		ppb v/v			03/16/21 18:29	1
Bromomethane	ND	*+	0.080		ppb v/v			03/16/21 18:29	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22279-1

Client Sample ID: 224121-OA-88

Lab Sample ID: 140-22279-4

Date Collected: 03/10/21 11:16

Matrix: Air

Date Received: 03/12/21 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	0.069		0.032		ppb v/v			03/16/21 18:29	1
Chlorobenzene	ND		0.080		ppb v/v			03/16/21 18:29	1
Chloroethane	ND		0.080		ppb v/v			03/16/21 18:29	1
Chloroform	ND		0.080		ppb v/v			03/16/21 18:29	1
Chloromethane	0.90		0.20		ppb v/v			03/16/21 18:29	1
cis-1,2-Dichloroethene	ND		0.040		ppb v/v			03/16/21 18:29	1
cis-1,3-Dichloropropene	ND		0.080		ppb v/v			03/16/21 18:29	1
Cyclohexane	ND		0.20		ppb v/v			03/16/21 18:29	1
Dibromochloromethane	ND		0.080		ppb v/v			03/16/21 18:29	1
Dichlorodifluoromethane	0.48		0.080		ppb v/v			03/16/21 18:29	1
Ethanol	11		2.0		ppb v/v			03/16/21 18:29	1
Ethylbenzene	ND		0.080		ppb v/v			03/16/21 18:29	1
Hexachlorobutadiene	ND	*+	0.080		ppb v/v			03/16/21 18:29	1
Hexane	0.22		0.20		ppb v/v			03/16/21 18:29	1
Methyl tert-butyl ether	ND		0.16		ppb v/v			03/16/21 18:29	1
Methylene Chloride	1.1		0.40		ppb v/v			03/16/21 18:29	1
m-Xylene & p-Xylene	0.26		0.080		ppb v/v			03/16/21 18:29	1
Naphthalene	ND		0.20		ppb v/v			03/16/21 18:29	1
o-Xylene	0.090		0.080		ppb v/v			03/16/21 18:29	1
Styrene	ND		0.080		ppb v/v			03/16/21 18:29	1
t-Butyl alcohol	ND		0.32		ppb v/v			03/16/21 18:29	1
Tetrachloroethene	ND		0.080		ppb v/v			03/16/21 18:29	1
Toluene	0.63		0.12		ppb v/v			03/16/21 18:29	1
trans-1,2-Dichloroethene	ND		0.080		ppb v/v			03/16/21 18:29	1
trans-1,3-Dichloropropene	ND		0.080		ppb v/v			03/16/21 18:29	1
Trichloroethene	ND		0.036		ppb v/v			03/16/21 18:29	1
Trichlorofluoromethane	0.26		0.080		ppb v/v			03/16/21 18:29	1
Vinyl chloride	ND		0.040		ppb v/v			03/16/21 18:29	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.44		ug/m3			03/16/21 18:29	1
1,1,2,2-Tetrachloroethane	ND		0.55		ug/m3			03/16/21 18:29	1
1,1,2-Trichloroethane	ND		0.44		ug/m3			03/16/21 18:29	1
1,1,2-Trichlorotrifluoroethane	ND		0.61		ug/m3			03/16/21 18:29	1
1,1-Dichloroethane	ND		0.32		ug/m3			03/16/21 18:29	1
1,1-Dichloroethene	ND		0.16		ug/m3			03/16/21 18:29	1
1,2,4-Trichlorobenzene	ND		0.59		ug/m3			03/16/21 18:29	1
1,2,4-Trimethylbenzene	ND		0.39		ug/m3			03/16/21 18:29	1
1,2-Dibromoethane	ND		0.61		ug/m3			03/16/21 18:29	1
1,2-Dichlorobenzene	ND		0.48		ug/m3			03/16/21 18:29	1
1,2-Dichloroethane	ND		0.32		ug/m3			03/16/21 18:29	1
1,2-Dichloropropane	ND		0.37		ug/m3			03/16/21 18:29	1
1,2-Dichlorotetrafluoroethane	ND	*+ UJ	0.56		ug/m3			03/16/21 18:29	1
1,3,5-Trimethylbenzene	ND		0.39		ug/m3			03/16/21 18:29	1
1,3-Dichlorobenzene	ND		0.48		ug/m3			03/16/21 18:29	1
1,4-Dichlorobenzene	ND		0.48		ug/m3			03/16/21 18:29	1
1,4-Dioxane	ND		0.72		ug/m3			03/16/21 18:29	1
2,2,4-Trimethylpentane	ND		0.93		ug/m3			03/16/21 18:29	1
2-Butanone	ND		0.94		ug/m3			03/16/21 18:29	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22279-1

Client Sample ID: 224121-OA-88

Lab Sample ID: 140-22279-4

Date Collected: 03/10/21 11:16

Matrix: Air

Date Received: 03/12/21 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone (MIBK)	ND		0.82		ug/m3			03/16/21 18:29	1
Benzene	0.89		0.26		ug/m3			03/16/21 18:29	1
Benzyl chloride	ND		0.83		ug/m3			03/16/21 18:29	1
Bromodichloromethane	ND		0.54		ug/m3			03/16/21 18:29	1
Bromoform	ND		0.83		ug/m3			03/16/21 18:29	1
Bromomethane	ND	*+ UJ	0.31		ug/m3			03/16/21 18:29	1
Carbon tetrachloride	0.44		0.20		ug/m3			03/16/21 18:29	1
Chlorobenzene	ND		0.37		ug/m3			03/16/21 18:29	1
Chloroethane	ND		0.21		ug/m3			03/16/21 18:29	1
Chloroform	ND		0.39		ug/m3			03/16/21 18:29	1
Chloromethane	1.9		0.41		ug/m3			03/16/21 18:29	1
cis-1,2-Dichloroethene	ND		0.16		ug/m3			03/16/21 18:29	1
cis-1,3-Dichloropropene	ND		0.36		ug/m3			03/16/21 18:29	1
Cyclohexane	ND		0.69		ug/m3			03/16/21 18:29	1
Dibromochloromethane	ND		0.68		ug/m3			03/16/21 18:29	1
Dichlorodifluoromethane	2.4		0.40		ug/m3			03/16/21 18:29	1
Ethanol	21		3.8		ug/m3			03/16/21 18:29	1
Ethylbenzene	ND		0.35		ug/m3			03/16/21 18:29	1
Hexachlorobutadiene	ND	*+ UJ	0.85		ug/m3			03/16/21 18:29	1
Hexane	0.79		0.70		ug/m3			03/16/21 18:29	1
Methyl tert-butyl ether	ND		0.58		ug/m3			03/16/21 18:29	1
Methylene Chloride	3.8		1.4		ug/m3			03/16/21 18:29	1
m-Xylene & p-Xylene	1.1		0.35		ug/m3			03/16/21 18:29	1
Naphthalene	ND	UJ	1.0		ug/m3			03/16/21 18:29	1
o-Xylene	0.39		0.35		ug/m3			03/16/21 18:29	1
Styrene	ND		0.34		ug/m3			03/16/21 18:29	1
t-Butyl alcohol	ND		0.97		ug/m3			03/16/21 18:29	1
Tetrachloroethene	ND		0.54		ug/m3			03/16/21 18:29	1
Toluene	2.4		0.45		ug/m3			03/16/21 18:29	1
trans-1,2-Dichloroethene	ND		0.32		ug/m3			03/16/21 18:29	1
trans-1,3-Dichloropropene	ND		0.36		ug/m3			03/16/21 18:29	1
Trichloroethene	ND		0.19		ug/m3			03/16/21 18:29	1
Trichlorofluoromethane	1.4		0.45		ug/m3			03/16/21 18:29	1
Vinyl chloride	ND		0.10		ug/m3			03/16/21 18:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		60 - 140					03/16/21 18:29	1

Client Sample ID: 224121-SS-89

Lab Sample ID: 140-22279-5

Date Collected: 03/10/21 11:40

Matrix: Air

Date Received: 03/12/21 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.080		ppb v/v			03/16/21 19:20	1
1,1,2,2-Tetrachloroethane	ND		0.080		ppb v/v			03/16/21 19:20	1
1,1,2-Trichloroethane	ND		0.080		ppb v/v			03/16/21 19:20	1
1,1,2-Trichlorotrifluoroethane	ND		0.080		ppb v/v			03/16/21 19:20	1

Eurofins TestAmerica, Knoxville

ALH 4/7/21

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22279-1

Client Sample ID: 224121-SS-89

Lab Sample ID: 140-22279-5

Date Collected: 03/10/21 11:40

Matrix: Air

Date Received: 03/12/21 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	0.14		0.080		ppb v/v			03/16/21 19:20	1
1,1-Dichloroethene	ND		0.040		ppb v/v			03/16/21 19:20	1
1,2,4-Trichlorobenzene	ND		0.080		ppb v/v			03/16/21 19:20	1
1,2,4-Trimethylbenzene	0.32		0.080		ppb v/v			03/16/21 19:20	1
1,2-Dibromoethane	ND		0.080		ppb v/v			03/16/21 19:20	1
1,2-Dichlorobenzene	ND		0.080		ppb v/v			03/16/21 19:20	1
1,2-Dichloroethane	0.33		0.080		ppb v/v			03/16/21 19:20	1
1,2-Dichloropropane	ND		0.080		ppb v/v			03/16/21 19:20	1
1,2-Dichlorotetrafluoroethane	ND	*+	0.080		ppb v/v			03/16/21 19:20	1
1,3,5-Trimethylbenzene	0.15		0.080		ppb v/v			03/16/21 19:20	1
1,3-Dichlorobenzene	ND		0.080		ppb v/v			03/16/21 19:20	1
1,4-Dichlorobenzene	ND		0.080		ppb v/v			03/16/21 19:20	1
1,4-Dioxane	ND		0.20		ppb v/v			03/16/21 19:20	1
2,2,4-Trimethylpentane	ND		0.20		ppb v/v			03/16/21 19:20	1
2-Butanone	0.47		0.32		ppb v/v			03/16/21 19:20	1
4-Methyl-2-pentanone (MIBK)	ND		0.20		ppb v/v			03/16/21 19:20	1
Benzene	0.13		0.080		ppb v/v			03/16/21 19:20	1
Benzyl chloride	ND		0.16		ppb v/v			03/16/21 19:20	1
Bromodichloromethane	ND		0.080		ppb v/v			03/16/21 19:20	1
Bromoform	ND		0.080		ppb v/v			03/16/21 19:20	1
Bromomethane	ND	*+	0.080		ppb v/v			03/16/21 19:20	1
Carbon tetrachloride	0.055		0.032		ppb v/v			03/16/21 19:20	1
Chlorobenzene	ND		0.080		ppb v/v			03/16/21 19:20	1
Chloroethane	0.54		0.080		ppb v/v			03/16/21 19:20	1
Chloroform	ND		0.080		ppb v/v			03/16/21 19:20	1
Chloromethane	ND		0.20		ppb v/v			03/16/21 19:20	1
cis-1,2-Dichloroethene	ND		0.040		ppb v/v			03/16/21 19:20	1
cis-1,3-Dichloropropene	ND		0.080		ppb v/v			03/16/21 19:20	1
Cyclohexane	0.62	Cl	0.20		ppb v/v			03/16/21 19:20	1
Dibromochloromethane	ND		0.080		ppb v/v			03/16/21 19:20	1
Dichlorodifluoromethane	0.47		0.080		ppb v/v			03/16/21 19:20	1
Ethanol	2.8		2.0		ppb v/v			03/16/21 19:20	1
Ethylbenzene	ND		0.080		ppb v/v			03/16/21 19:20	1
Hexachlorobutadiene	ND	*+	0.080		ppb v/v			03/16/21 19:20	1
Hexane	0.20		0.20		ppb v/v			03/16/21 19:20	1
Methyl tert-butyl ether	ND		0.16		ppb v/v			03/16/21 19:20	1
Methylene Chloride	1.6		0.40		ppb v/v			03/16/21 19:20	1
m-Xylene & p-Xylene	0.16		0.080		ppb v/v			03/16/21 19:20	1
Naphthalene	0.69		0.20		ppb v/v			03/16/21 19:20	1
o-Xylene	ND		0.080		ppb v/v			03/16/21 19:20	1
Styrene	ND		0.080		ppb v/v			03/16/21 19:20	1
t-Butyl alcohol	ND		0.32		ppb v/v			03/16/21 19:20	1
Tetrachloroethene	0.090		0.080		ppb v/v			03/16/21 19:20	1
Toluene	0.29		0.12		ppb v/v			03/16/21 19:20	1
trans-1,2-Dichloroethene	ND		0.080		ppb v/v			03/16/21 19:20	1
trans-1,3-Dichloropropene	ND		0.080		ppb v/v			03/16/21 19:20	1
Trichloroethene	0.24		0.036		ppb v/v			03/16/21 19:20	1
Trichlorofluoromethane	0.30		0.080		ppb v/v			03/16/21 19:20	1

Client Sample Results

Client: New York State D.E.C.
 Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22279-1

Client Sample ID: 224121-SS-89

Lab Sample ID: 140-22279-5

Date Collected: 03/10/21 11:40

Matrix: Air

Date Received: 03/12/21 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	0.46		0.040		ppb v/v			03/16/21 19:20	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.44		ug/m3			03/16/21 19:20	1
1,1,2,2-Tetrachloroethane	ND		0.55		ug/m3			03/16/21 19:20	1
1,1,2-Trichloroethane	ND		0.44		ug/m3			03/16/21 19:20	1
1,1,2-Trichlorotrifluoroethane	ND		0.61		ug/m3			03/16/21 19:20	1
1,1-Dichloroethane	0.57		0.32		ug/m3			03/16/21 19:20	1
1,1-Dichloroethene	ND		0.16		ug/m3			03/16/21 19:20	1
1,2,4-Trichlorobenzene	ND		0.59		ug/m3			03/16/21 19:20	1
1,2,4-Trimethylbenzene	1.6		0.39		ug/m3			03/16/21 19:20	1
1,2-Dibromoethane	ND		0.61		ug/m3			03/16/21 19:20	1
1,2-Dichlorobenzene	ND		0.48		ug/m3			03/16/21 19:20	1
1,2-Dichloroethane	1.4		0.32		ug/m3			03/16/21 19:20	1
1,2-Dichloropropane	ND		0.37		ug/m3			03/16/21 19:20	1
1,2-Dichlorotetrafluoroethane	ND	*+ UJ	0.56		ug/m3			03/16/21 19:20	1
1,3,5-Trimethylbenzene	0.72		0.39		ug/m3			03/16/21 19:20	1
1,3-Dichlorobenzene	ND		0.48		ug/m3			03/16/21 19:20	1
1,4-Dichlorobenzene	ND		0.48		ug/m3			03/16/21 19:20	1
1,4-Dioxane	ND		0.72		ug/m3			03/16/21 19:20	1
2,2,4-Trimethylpentane	ND		0.93		ug/m3			03/16/21 19:20	1
2-Butanone	1.4		0.94		ug/m3			03/16/21 19:20	1
4-Methyl-2-pentanone (MIBK)	ND		0.82		ug/m3			03/16/21 19:20	1
Benzene	0.42		0.26		ug/m3			03/16/21 19:20	1
Benzyl chloride	ND		0.83		ug/m3			03/16/21 19:20	1
Bromodichloromethane	ND		0.54		ug/m3			03/16/21 19:20	1
Bromoform	ND		0.83		ug/m3			03/16/21 19:20	1
Bromomethane	ND	*+ UJ	0.31		ug/m3			03/16/21 19:20	1
Carbon tetrachloride	0.35		0.20		ug/m3			03/16/21 19:20	1
Chlorobenzene	ND		0.37		ug/m3			03/16/21 19:20	1
Chloroethane	1.4		0.21		ug/m3			03/16/21 19:20	1
Chloroform	ND		0.39		ug/m3			03/16/21 19:20	1
Chloromethane	ND		0.41		ug/m3			03/16/21 19:20	1
cis-1,2-Dichloroethene	ND		0.16		ug/m3			03/16/21 19:20	1
cis-1,3-Dichloropropene	ND		0.36		ug/m3			03/16/21 19:20	1
Cyclohexane	2.1	CI	0.69		ug/m3			03/16/21 19:20	1
Dibromochloromethane	ND		0.68		ug/m3			03/16/21 19:20	1
Dichlorodifluoromethane	2.3		0.40		ug/m3			03/16/21 19:20	1
Ethanol	5.3		3.8		ug/m3			03/16/21 19:20	1
Ethylbenzene	ND		0.35		ug/m3			03/16/21 19:20	1
Hexachlorobutadiene	ND	*+ UJ	0.85		ug/m3			03/16/21 19:20	1
Hexane	0.70		0.70		ug/m3			03/16/21 19:20	1
Methyl tert-butyl ether	ND		0.58		ug/m3			03/16/21 19:20	1
Methylene Chloride	5.4		1.4		ug/m3			03/16/21 19:20	1
m-Xylene & p-Xylene	0.68		0.35		ug/m3			03/16/21 19:20	1
Naphthalene	3.6	J	1.0		ug/m3			03/16/21 19:20	1
o-Xylene	ND		0.35		ug/m3			03/16/21 19:20	1
Styrene	ND		0.34		ug/m3			03/16/21 19:20	1
t-Butyl alcohol	ND		0.97		ug/m3			03/16/21 19:20	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22279-1

Client Sample ID: 224121-SS-89

Lab Sample ID: 140-22279-5

Date Collected: 03/10/21 11:40

Matrix: Air

Date Received: 03/12/21 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	0.61		0.54		ug/m3			03/16/21 19:20	1
Toluene	1.1		0.45		ug/m3			03/16/21 19:20	1
trans-1,2-Dichloroethene	ND		0.32		ug/m3			03/16/21 19:20	1
trans-1,3-Dichloropropene	ND		0.36		ug/m3			03/16/21 19:20	1
Trichloroethene	1.3		0.19		ug/m3			03/16/21 19:20	1
Trichlorofluoromethane	1.7		0.45		ug/m3			03/16/21 19:20	1
Vinyl chloride	1.2		0.10		ug/m3			03/16/21 19:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		60 - 140					03/16/21 19:20	1

Client Sample ID: 224121-IA-89

Lab Sample ID: 140-22279-6

Date Collected: 03/10/21 11:42

Matrix: Air

Date Received: 03/12/21 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.080		ppb v/v			03/16/21 20:07	1
1,1,2,2-Tetrachloroethane	ND		0.080		ppb v/v			03/16/21 20:07	1
1,1,2-Trichloroethane	ND		0.080		ppb v/v			03/16/21 20:07	1
1,1,2-Trichlorotrifluoroethane	ND		0.080		ppb v/v			03/16/21 20:07	1
1,1-Dichloroethane	ND		0.080		ppb v/v			03/16/21 20:07	1
1,1-Dichloroethene	ND		0.040		ppb v/v			03/16/21 20:07	1
1,2,4-Trichlorobenzene	ND		0.080		ppb v/v			03/16/21 20:07	1
1,2,4-Trimethylbenzene	ND		0.080		ppb v/v			03/16/21 20:07	1
1,2-Dibromoethane	ND		0.080		ppb v/v			03/16/21 20:07	1
1,2-Dichlorobenzene	ND		0.080		ppb v/v			03/16/21 20:07	1
1,2-Dichloroethane	ND		0.080		ppb v/v			03/16/21 20:07	1
1,2-Dichloropropane	ND		0.080		ppb v/v			03/16/21 20:07	1
1,2-Dichlorotetrafluoroethane	ND	*+	0.080		ppb v/v			03/16/21 20:07	1
1,3,5-Trimethylbenzene	ND		0.080		ppb v/v			03/16/21 20:07	1
1,3-Dichlorobenzene	ND		0.080		ppb v/v			03/16/21 20:07	1
1,4-Dichlorobenzene	ND		0.080		ppb v/v			03/16/21 20:07	1
1,4-Dioxane	ND		0.20		ppb v/v			03/16/21 20:07	1
2,2,4-Trimethylpentane	ND		0.20		ppb v/v			03/16/21 20:07	1
2-Butanone	ND		0.32		ppb v/v			03/16/21 20:07	1
4-Methyl-2-pentanone (MIBK)	ND		0.20		ppb v/v			03/16/21 20:07	1
Benzene	0.31		0.080		ppb v/v			03/16/21 20:07	1
Benzyl chloride	ND		0.16		ppb v/v			03/16/21 20:07	1
Bromodichloromethane	ND		0.080		ppb v/v			03/16/21 20:07	1
Bromoform	ND		0.080		ppb v/v			03/16/21 20:07	1
Bromomethane	ND	*+	0.080		ppb v/v			03/16/21 20:07	1
Carbon tetrachloride	0.068		0.032		ppb v/v			03/16/21 20:07	1
Chlorobenzene	ND		0.080		ppb v/v			03/16/21 20:07	1
Chloroethane	ND		0.080		ppb v/v			03/16/21 20:07	1
Chloroform	0.082		0.080		ppb v/v			03/16/21 20:07	1
Chloromethane	0.96		0.20		ppb v/v			03/16/21 20:07	1
cis-1,2-Dichloroethene	ND		0.040		ppb v/v			03/16/21 20:07	1

Client Sample Results

Client: New York State D.E.C.
 Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22279-1

Client Sample ID: 224121-IA-89

Lab Sample ID: 140-22279-6

Date Collected: 03/10/21 11:42

Matrix: Air

Date Received: 03/12/21 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		0.080		ppb v/v			03/16/21 20:07	1
Cyclohexane	ND		0.20		ppb v/v			03/16/21 20:07	1
Dibromochloromethane	ND		0.080		ppb v/v			03/16/21 20:07	1
Dichlorodifluoromethane	0.47		0.080		ppb v/v			03/16/21 20:07	1
Ethanol	11		2.0		ppb v/v			03/16/21 20:07	1
Ethylbenzene	ND		0.080		ppb v/v			03/16/21 20:07	1
Hexachlorobutadiene	ND	*+	0.080		ppb v/v			03/16/21 20:07	1
Hexane	0.26		0.20		ppb v/v			03/16/21 20:07	1
Methyl tert-butyl ether	ND		0.16		ppb v/v			03/16/21 20:07	1
Methylene Chloride	1.0		0.40		ppb v/v			03/16/21 20:07	1
m-Xylene & p-Xylene	0.26		0.080		ppb v/v			03/16/21 20:07	1
Naphthalene	ND		0.20		ppb v/v			03/16/21 20:07	1
o-Xylene	0.099		0.080		ppb v/v			03/16/21 20:07	1
Styrene	ND		0.080		ppb v/v			03/16/21 20:07	1
t-Butyl alcohol	ND		0.32		ppb v/v			03/16/21 20:07	1
Tetrachloroethene	ND		0.080		ppb v/v			03/16/21 20:07	1
Toluene	0.79		0.12		ppb v/v			03/16/21 20:07	1
trans-1,2-Dichloroethene	ND		0.080		ppb v/v			03/16/21 20:07	1
trans-1,3-Dichloropropene	ND		0.080		ppb v/v			03/16/21 20:07	1
Trichloroethene	ND		0.036		ppb v/v			03/16/21 20:07	1
Trichlorofluoromethane	0.24		0.080		ppb v/v			03/16/21 20:07	1
Vinyl chloride	ND		0.040		ppb v/v			03/16/21 20:07	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.44		ug/m3			03/16/21 20:07	1
1,1,2,2-Tetrachloroethane	ND		0.55		ug/m3			03/16/21 20:07	1
1,1,2-Trichloroethane	ND		0.44		ug/m3			03/16/21 20:07	1
1,1,2-Trichlorotrifluoroethane	ND		0.61		ug/m3			03/16/21 20:07	1
1,1-Dichloroethane	ND		0.32		ug/m3			03/16/21 20:07	1
1,1-Dichloroethene	ND		0.16		ug/m3			03/16/21 20:07	1
1,2,4-Trichlorobenzene	ND		0.59		ug/m3			03/16/21 20:07	1
1,2,4-Trimethylbenzene	ND		0.39		ug/m3			03/16/21 20:07	1
1,2-Dibromoethane	ND		0.61		ug/m3			03/16/21 20:07	1
1,2-Dichlorobenzene	ND		0.48		ug/m3			03/16/21 20:07	1
1,2-Dichloroethane	ND		0.32		ug/m3			03/16/21 20:07	1
1,2-Dichloropropane	ND		0.37		ug/m3			03/16/21 20:07	1
1,2-Dichlorotetrafluoroethane	ND	*+ UJ	0.56		ug/m3			03/16/21 20:07	1
1,3,5-Trimethylbenzene	ND		0.39		ug/m3			03/16/21 20:07	1
1,3-Dichlorobenzene	ND		0.48		ug/m3			03/16/21 20:07	1
1,4-Dichlorobenzene	ND		0.48		ug/m3			03/16/21 20:07	1
1,4-Dioxane	ND		0.72		ug/m3			03/16/21 20:07	1
2,2,4-Trimethylpentane	ND		0.93		ug/m3			03/16/21 20:07	1
2-Butanone	ND		0.94		ug/m3			03/16/21 20:07	1
4-Methyl-2-pentanone (MIBK)	ND		0.82		ug/m3			03/16/21 20:07	1
Benzene	0.99		0.26		ug/m3			03/16/21 20:07	1
Benzyl chloride	ND		0.83		ug/m3			03/16/21 20:07	1
Bromodichloromethane	ND		0.54		ug/m3			03/16/21 20:07	1
Bromoform	ND		0.83		ug/m3			03/16/21 20:07	1
Bromomethane	ND	*+ UJ	0.31		ug/m3			03/16/21 20:07	1

ALH 4/7/21

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22279-1

Client Sample ID: 224121-IA-89

Lab Sample ID: 140-22279-6

Date Collected: 03/10/21 11:42

Matrix: Air

Date Received: 03/12/21 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	0.43		0.20		ug/m3			03/16/21 20:07	1
Chlorobenzene	ND		0.37		ug/m3			03/16/21 20:07	1
Chloroethane	ND		0.21		ug/m3			03/16/21 20:07	1
Chloroform	0.40		0.39		ug/m3			03/16/21 20:07	1
Chloromethane	2.0		0.41		ug/m3			03/16/21 20:07	1
cis-1,2-Dichloroethene	ND		0.16		ug/m3			03/16/21 20:07	1
cis-1,3-Dichloropropene	ND		0.36		ug/m3			03/16/21 20:07	1
Cyclohexane	ND		0.69		ug/m3			03/16/21 20:07	1
Dibromochloromethane	ND		0.68		ug/m3			03/16/21 20:07	1
Dichlorodifluoromethane	2.3		0.40		ug/m3			03/16/21 20:07	1
Ethanol	21		3.8		ug/m3			03/16/21 20:07	1
Ethylbenzene	ND		0.35		ug/m3			03/16/21 20:07	1
Hexachlorobutadiene	ND	*+ UJ	0.85		ug/m3			03/16/21 20:07	1
Hexane	0.93		0.70		ug/m3			03/16/21 20:07	1
Methyl tert-butyl ether	ND		0.58		ug/m3			03/16/21 20:07	1
Methylene Chloride	3.6		1.4		ug/m3			03/16/21 20:07	1
m-Xylene & p-Xylene	1.1		0.35		ug/m3			03/16/21 20:07	1
Naphthalene	ND	UJ	1.0		ug/m3			03/16/21 20:07	1
o-Xylene	0.43		0.35		ug/m3			03/16/21 20:07	1
Styrene	ND		0.34		ug/m3			03/16/21 20:07	1
t-Butyl alcohol	ND		0.97		ug/m3			03/16/21 20:07	1
Tetrachloroethene	ND		0.54		ug/m3			03/16/21 20:07	1
Toluene	3.0		0.45		ug/m3			03/16/21 20:07	1
trans-1,2-Dichloroethene	ND		0.32		ug/m3			03/16/21 20:07	1
trans-1,3-Dichloropropene	ND		0.36		ug/m3			03/16/21 20:07	1
Trichloroethene	ND		0.19		ug/m3			03/16/21 20:07	1
Trichlorofluoromethane	1.4		0.45		ug/m3			03/16/21 20:07	1
Vinyl chloride	ND		0.10		ug/m3			03/16/21 20:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		60 - 140					03/16/21 20:07	1

Client Sample ID: 224121-SS-85

Lab Sample ID: 140-22279-7

Date Collected: 03/10/21 07:56

Matrix: Air

Date Received: 03/12/21 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.54		0.080		ppb v/v			03/16/21 20:55	1
1,1,2,2-Tetrachloroethane	ND		0.080		ppb v/v			03/16/21 20:55	1
1,1,2-Trichloroethane	ND		0.080		ppb v/v			03/16/21 20:55	1
1,1,2-Trichlorotrifluoroethane	ND		0.080		ppb v/v			03/16/21 20:55	1
1,1-Dichloroethane	ND		0.080		ppb v/v			03/16/21 20:55	1
1,1-Dichloroethene	ND		0.040		ppb v/v			03/16/21 20:55	1
1,2,4-Trichlorobenzene	ND		0.080		ppb v/v			03/16/21 20:55	1
1,2,4-Trimethylbenzene	0.48		0.080		ppb v/v			03/16/21 20:55	1
1,2-Dibromoethane	ND		0.080		ppb v/v			03/16/21 20:55	1
1,2-Dichlorobenzene	ND		0.080		ppb v/v			03/16/21 20:55	1

Eurofins TestAmerica, Knoxville

ALH 4/7/21

Client Sample Results

Client: New York State D.E.C.
 Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22279-1

Client Sample ID: 224121-SS-85

Lab Sample ID: 140-22279-7

Date Collected: 03/10/21 07:56

Matrix: Air

Date Received: 03/12/21 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	0.13		0.080		ppb v/v			03/16/21 20:55	1
1,2-Dichloropropane	ND		0.080		ppb v/v			03/16/21 20:55	1
1,2-Dichlorotetrafluoroethane	ND	*+	0.080		ppb v/v			03/16/21 20:55	1
1,3,5-Trimethylbenzene	0.16		0.080		ppb v/v			03/16/21 20:55	1
1,3-Dichlorobenzene	ND		0.080		ppb v/v			03/16/21 20:55	1
1,4-Dichlorobenzene	ND		0.080		ppb v/v			03/16/21 20:55	1
1,4-Dioxane	ND		0.20		ppb v/v			03/16/21 20:55	1
2,2,4-Trimethylpentane	ND		0.20		ppb v/v			03/16/21 20:55	1
2-Butanone	0.96		0.32		ppb v/v			03/16/21 20:55	1
4-Methyl-2-pentanone (MIBK)	ND		0.20		ppb v/v			03/16/21 20:55	1
Benzene	0.40		0.080		ppb v/v			03/16/21 20:55	1
Benzyl chloride	ND		0.16		ppb v/v			03/16/21 20:55	1
Bromodichloromethane	ND		0.080		ppb v/v			03/16/21 20:55	1
Bromoform	ND		0.080		ppb v/v			03/16/21 20:55	1
Bromomethane	ND	*+	0.080		ppb v/v			03/16/21 20:55	1
Carbon tetrachloride	0.041		0.032		ppb v/v			03/16/21 20:55	1
Chlorobenzene	ND		0.080		ppb v/v			03/16/21 20:55	1
Chloroethane	0.37		0.080		ppb v/v			03/16/21 20:55	1
Chloroform	ND		0.080		ppb v/v			03/16/21 20:55	1
Chloromethane	ND		0.20		ppb v/v			03/16/21 20:55	1
cis-1,2-Dichloroethene	ND		0.040		ppb v/v			03/16/21 20:55	1
cis-1,3-Dichloropropene	ND		0.080		ppb v/v			03/16/21 20:55	1
Cyclohexane	0.90	CI	0.20		ppb v/v			03/16/21 20:55	1
Dibromochloromethane	ND		0.080		ppb v/v			03/16/21 20:55	1
Dichlorodifluoromethane	0.47		0.080		ppb v/v			03/16/21 20:55	1
Ethanol	5.9		2.0		ppb v/v			03/16/21 20:55	1
Ethylbenzene	0.25		0.080		ppb v/v			03/16/21 20:55	1
Hexachlorobutadiene	ND	*+	0.080		ppb v/v			03/16/21 20:55	1
Hexane	0.56		0.20		ppb v/v			03/16/21 20:55	1
Methyl tert-butyl ether	ND		0.16		ppb v/v			03/16/21 20:55	1
Methylene Chloride	20	E	0.40		ppb v/v			03/16/21 20:55	1
m-Xylene & p-Xylene	1.3		0.080		ppb v/v			03/16/21 20:55	1
Naphthalene	ND		0.20		ppb v/v			03/16/21 20:55	1
o-Xylene	0.70		0.080		ppb v/v			03/16/21 20:55	1
Styrene	ND		0.080		ppb v/v			03/16/21 20:55	1
t-Butyl alcohol	ND		0.32		ppb v/v			03/16/21 20:55	1
Tetrachloroethene	2.7		0.080		ppb v/v			03/16/21 20:55	1
Toluene	0.84		0.12		ppb v/v			03/16/21 20:55	1
trans-1,2-Dichloroethene	ND		0.080		ppb v/v			03/16/21 20:55	1
trans-1,3-Dichloropropene	ND		0.080		ppb v/v			03/16/21 20:55	1
Trichloroethene	0.061		0.036		ppb v/v			03/16/21 20:55	1
Trichlorofluoromethane	1.5		0.080		ppb v/v			03/16/21 20:55	1
Vinyl chloride	0.36		0.040		ppb v/v			03/16/21 20:55	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	2.9		0.44		ug/m3			03/16/21 20:55	1
1,1,2,2-Tetrachloroethane	ND		0.55		ug/m3			03/16/21 20:55	1
1,1,2-Trichloroethane	ND		0.44		ug/m3			03/16/21 20:55	1
1,1,2-Trichlorotrifluoroethane	ND		0.61		ug/m3			03/16/21 20:55	1

Client Sample Results

Client: New York State D.E.C.
 Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22279-1

Client Sample ID: 224121-SS-85

Lab Sample ID: 140-22279-7

Date Collected: 03/10/21 07:56

Matrix: Air

Date Received: 03/12/21 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.32		ug/m3			03/16/21 20:55	1
1,1-Dichloroethene	ND		0.16		ug/m3			03/16/21 20:55	1
1,2,4-Trichlorobenzene	ND		0.59		ug/m3			03/16/21 20:55	1
1,2,4-Trimethylbenzene	2.4		0.39		ug/m3			03/16/21 20:55	1
1,2-Dibromoethane	ND		0.61		ug/m3			03/16/21 20:55	1
1,2-Dichlorobenzene	ND		0.48		ug/m3			03/16/21 20:55	1
1,2-Dichloroethane	0.54		0.32		ug/m3			03/16/21 20:55	1
1,2-Dichloropropane	ND		0.37		ug/m3			03/16/21 20:55	1
1,2-Dichlorotetrafluoroethane	ND	*+ UJ	0.56		ug/m3			03/16/21 20:55	1
1,3,5-Trimethylbenzene	0.79		0.39		ug/m3			03/16/21 20:55	1
1,3-Dichlorobenzene	ND		0.48		ug/m3			03/16/21 20:55	1
1,4-Dichlorobenzene	ND		0.48		ug/m3			03/16/21 20:55	1
1,4-Dioxane	ND		0.72		ug/m3			03/16/21 20:55	1
2,2,4-Trimethylpentane	ND		0.93		ug/m3			03/16/21 20:55	1
2-Butanone	2.8		0.94		ug/m3			03/16/21 20:55	1
4-Methyl-2-pentanone (MIBK)	ND		0.82		ug/m3			03/16/21 20:55	1
Benzene	1.3		0.26		ug/m3			03/16/21 20:55	1
Benzyl chloride	ND		0.83		ug/m3			03/16/21 20:55	1
Bromodichloromethane	ND		0.54		ug/m3			03/16/21 20:55	1
Bromoform	ND		0.83		ug/m3			03/16/21 20:55	1
Bromomethane	ND	*+ UJ	0.31		ug/m3			03/16/21 20:55	1
Carbon tetrachloride	0.26		0.20		ug/m3			03/16/21 20:55	1
Chlorobenzene	ND		0.37		ug/m3			03/16/21 20:55	1
Chloroethane	0.97		0.21		ug/m3			03/16/21 20:55	1
Chloroform	ND		0.39		ug/m3			03/16/21 20:55	1
Chloromethane	ND		0.41		ug/m3			03/16/21 20:55	1
cis-1,2-Dichloroethene	ND		0.16		ug/m3			03/16/21 20:55	1
cis-1,3-Dichloropropene	ND		0.36		ug/m3			03/16/21 20:55	1
Cyclohexane	3.1	CI	0.69		ug/m3			03/16/21 20:55	1
Dibromochloromethane	ND		0.68		ug/m3			03/16/21 20:55	1
Dichlorodifluoromethane	2.3		0.40		ug/m3			03/16/21 20:55	1
Ethanol	11		3.8		ug/m3			03/16/21 20:55	1
Ethylbenzene	1.1		0.35		ug/m3			03/16/21 20:55	1
Hexachlorobutadiene	ND	*+ UJ	0.85		ug/m3			03/16/21 20:55	1
Hexane	2.0		0.70		ug/m3			03/16/21 20:55	1
Methyl tert-butyl ether	ND		0.58		ug/m3			03/16/21 20:55	1
Methylene Chloride	70	E	1.4		ug/m3			03/16/21 20:55	1
m-Xylene & p-Xylene	5.4		0.35		ug/m3			03/16/21 20:55	1
Naphthalene	ND	UJ	1.0		ug/m3			03/16/21 20:55	1
o-Xylene	3.0		0.35		ug/m3			03/16/21 20:55	1
Styrene	ND		0.34		ug/m3			03/16/21 20:55	1
t-Butyl alcohol	ND		0.97		ug/m3			03/16/21 20:55	1
Tetrachloroethene	18		0.54		ug/m3			03/16/21 20:55	1
Toluene	3.2		0.45		ug/m3			03/16/21 20:55	1
trans-1,2-Dichloroethene	ND		0.32		ug/m3			03/16/21 20:55	1
trans-1,3-Dichloropropene	ND		0.36		ug/m3			03/16/21 20:55	1
Trichloroethene	0.33		0.19		ug/m3			03/16/21 20:55	1
Trichlorofluoromethane	8.7		0.45		ug/m3			03/16/21 20:55	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22279-1

Client Sample ID: 224121-SS-85

Lab Sample ID: 140-22279-7

Date Collected: 03/10/21 07:56

Matrix: Air

Date Received: 03/12/21 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	0.93		0.10		ug/m3			03/16/21 20:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		60 - 140					03/16/21 20:55	1

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	20	D	2.0		ppb v/v			03/17/21 21:53	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	69	D	6.9		ug/m3			03/17/21 21:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89	*3	60 - 140					03/17/21 21:53	1

Client Sample ID: 224121-IA-85

Lab Sample ID: 140-22279-8

Date Collected: 03/10/21 07:57

Matrix: Air

Date Received: 03/12/21 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		6.8		ppb v/v			03/25/21 06:29	3.42
1,1,2,2-Tetrachloroethane	ND		6.8		ppb v/v			03/25/21 06:29	3.42
1,1,2-Trichloroethane	ND		6.8		ppb v/v			03/25/21 06:29	3.42
1,1,2-Trichlorotrifluoroethane	ND		6.8		ppb v/v			03/25/21 06:29	3.42
1,1-Dichloroethane	ND		6.8		ppb v/v			03/25/21 06:29	3.42
1,1-Dichloroethene	ND		3.4		ppb v/v			03/25/21 06:29	3.42
1,2,4-Trichlorobenzene	ND		6.8		ppb v/v			03/25/21 06:29	3.42
1,2,4-Trimethylbenzene	ND		6.8		ppb v/v			03/25/21 06:29	3.42
1,2-Dibromoethane	ND		6.8		ppb v/v			03/25/21 06:29	3.42
1,2-Dichlorobenzene	ND		6.8		ppb v/v			03/25/21 06:29	3.42
1,2-Dichloroethane	ND		6.8		ppb v/v			03/25/21 06:29	3.42
1,2-Dichloropropane	ND		6.8		ppb v/v			03/25/21 06:29	3.42
1,2-Dichlorotetrafluoroethane	ND		6.8		ppb v/v			03/25/21 06:29	3.42
1,3,5-Trimethylbenzene	ND		6.8		ppb v/v			03/25/21 06:29	3.42
1,3-Dichlorobenzene	ND		6.8		ppb v/v			03/25/21 06:29	3.42
1,4-Dichlorobenzene	ND		6.8		ppb v/v			03/25/21 06:29	3.42
1,4-Dioxane	ND		17		ppb v/v			03/25/21 06:29	3.42
2,2,4-Trimethylpentane	ND		17		ppb v/v			03/25/21 06:29	3.42
2-Butanone	49		27		ppb v/v			03/25/21 06:29	3.42
4-Methyl-2-pentanone (MIBK)	ND		17		ppb v/v			03/25/21 06:29	3.42
Benzene	ND		6.8		ppb v/v			03/25/21 06:29	3.42
Benzyl chloride	ND		14		ppb v/v			03/25/21 06:29	3.42
Bromodichloromethane	ND		6.8		ppb v/v			03/25/21 06:29	3.42
Bromoform	ND		6.8		ppb v/v			03/25/21 06:29	3.42
Bromomethane	ND		6.8		ppb v/v			03/25/21 06:29	3.42
Carbon tetrachloride	ND		2.7		ppb v/v			03/25/21 06:29	3.42
Chlorobenzene	ND		6.8		ppb v/v			03/25/21 06:29	3.42
Chloroethane	ND		6.8		ppb v/v			03/25/21 06:29	3.42

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22279-1

Client Sample ID: 224121-IA-85

Lab Sample ID: 140-22279-8

Date Collected: 03/10/21 07:57

Matrix: Air

Date Received: 03/12/21 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	ND		6.8		ppb v/v			03/25/21 06:29	3.42
Chloromethane	ND		17		ppb v/v			03/25/21 06:29	3.42
cis-1,2-Dichloroethene	ND		3.4		ppb v/v			03/25/21 06:29	3.42
cis-1,3-Dichloropropene	ND		6.8		ppb v/v			03/25/21 06:29	3.42
Cyclohexane	ND		17		ppb v/v			03/25/21 06:29	3.42
Dibromochloromethane	ND		6.8		ppb v/v			03/25/21 06:29	3.42
Dichlorodifluoromethane	ND		6.8		ppb v/v			03/25/21 06:29	3.42
Ethanol	230		170		ppb v/v			03/25/21 06:29	3.42
Ethylbenzene	8.3		6.8		ppb v/v			03/25/21 06:29	3.42
Hexachlorobutadiene	ND		6.8		ppb v/v			03/25/21 06:29	3.42
Hexane	23		17		ppb v/v			03/25/21 06:29	3.42
Methyl tert-butyl ether	ND		14		ppb v/v			03/25/21 06:29	3.42
Methylene Chloride	1300		34		ppb v/v			03/25/21 06:29	3.42
m-Xylene & p-Xylene	30		6.8		ppb v/v			03/25/21 06:29	3.42
Naphthalene	ND		17		ppb v/v			03/25/21 06:29	3.42
o-Xylene	9.1		6.8		ppb v/v			03/25/21 06:29	3.42
Styrene	ND		6.8		ppb v/v			03/25/21 06:29	3.42
t-Butyl alcohol	ND		27		ppb v/v			03/25/21 06:29	3.42
Tetrachloroethene	ND		6.8		ppb v/v			03/25/21 06:29	3.42
Toluene	98		10		ppb v/v			03/25/21 06:29	3.42
trans-1,2-Dichloroethene	ND		6.8		ppb v/v			03/25/21 06:29	3.42
trans-1,3-Dichloropropene	ND		6.8		ppb v/v			03/25/21 06:29	3.42
Trichloroethene	ND		3.1		ppb v/v			03/25/21 06:29	3.42
Trichlorofluoromethane	ND		6.8		ppb v/v			03/25/21 06:29	3.42
Vinyl chloride	ND		3.4		ppb v/v			03/25/21 06:29	3.42
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		37		ug/m3			03/25/21 06:29	3.42
1,1,2,2-Tetrachloroethane	ND		47		ug/m3			03/25/21 06:29	3.42
1,1,2-Trichloroethane	ND		37		ug/m3			03/25/21 06:29	3.42
1,1,2-Trichlorotrifluoroethane	ND		52		ug/m3			03/25/21 06:29	3.42
1,1-Dichloroethane	ND		28		ug/m3			03/25/21 06:29	3.42
1,1-Dichloroethene	ND		14		ug/m3			03/25/21 06:29	3.42
1,2,4-Trichlorobenzene	ND		51		ug/m3			03/25/21 06:29	3.42
1,2,4-Trimethylbenzene	ND		34		ug/m3			03/25/21 06:29	3.42
1,2-Dibromoethane	ND		53		ug/m3			03/25/21 06:29	3.42
1,2-Dichlorobenzene	ND		41		ug/m3			03/25/21 06:29	3.42
1,2-Dichloroethane	ND		28		ug/m3			03/25/21 06:29	3.42
1,2-Dichloropropane	ND		32		ug/m3			03/25/21 06:29	3.42
1,2-Dichlorotetrafluoroethane	ND		48		ug/m3			03/25/21 06:29	3.42
1,3,5-Trimethylbenzene	ND		34		ug/m3			03/25/21 06:29	3.42
1,3-Dichlorobenzene	ND		41		ug/m3			03/25/21 06:29	3.42
1,4-Dichlorobenzene	ND		41		ug/m3			03/25/21 06:29	3.42
1,4-Dioxane	ND		62		ug/m3			03/25/21 06:29	3.42
2,2,4-Trimethylpentane	ND		80		ug/m3			03/25/21 06:29	3.42
2-Butanone	140		81		ug/m3			03/25/21 06:29	3.42
4-Methyl-2-pentanone (MIBK)	ND		70		ug/m3			03/25/21 06:29	3.42
Benzene	ND		22		ug/m3			03/25/21 06:29	3.42
Benzyl chloride	ND		71		ug/m3			03/25/21 06:29	3.42

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22279-1

Client Sample ID: 224121-IA-85

Lab Sample ID: 140-22279-8

Date Collected: 03/10/21 07:57

Matrix: Air

Date Received: 03/12/21 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		46		ug/m3			03/25/21 06:29	3.42
Bromoform	ND		71		ug/m3			03/25/21 06:29	3.42
Bromomethane	ND		27		ug/m3			03/25/21 06:29	3.42
Carbon tetrachloride	ND		17		ug/m3			03/25/21 06:29	3.42
Chlorobenzene	ND		31		ug/m3			03/25/21 06:29	3.42
Chloroethane	ND		18		ug/m3			03/25/21 06:29	3.42
Chloroform	ND		33		ug/m3			03/25/21 06:29	3.42
Chloromethane	ND		35		ug/m3			03/25/21 06:29	3.42
cis-1,2-Dichloroethene	ND		14		ug/m3			03/25/21 06:29	3.42
cis-1,3-Dichloropropene	ND		31		ug/m3			03/25/21 06:29	3.42
Cyclohexane	ND		59		ug/m3			03/25/21 06:29	3.42
Dibromochloromethane	ND		58		ug/m3			03/25/21 06:29	3.42
Dichlorodifluoromethane	ND		34		ug/m3			03/25/21 06:29	3.42
Ethanol	430		320		ug/m3			03/25/21 06:29	3.42
Ethylbenzene	36		30		ug/m3			03/25/21 06:29	3.42
Hexachlorobutadiene	ND		73		ug/m3			03/25/21 06:29	3.42
Hexane	81		60		ug/m3			03/25/21 06:29	3.42
Methyl tert-butyl ether	ND		49		ug/m3			03/25/21 06:29	3.42
Methylene Chloride	4400		120		ug/m3			03/25/21 06:29	3.42
m-Xylene & p-Xylene	130		30		ug/m3			03/25/21 06:29	3.42
Naphthalene	ND		90		ug/m3			03/25/21 06:29	3.42
o-Xylene	39		30		ug/m3			03/25/21 06:29	3.42
Styrene	ND		29		ug/m3			03/25/21 06:29	3.42
t-Butyl alcohol	ND		83		ug/m3			03/25/21 06:29	3.42
Tetrachloroethene	ND		46		ug/m3			03/25/21 06:29	3.42
Toluene	370		39		ug/m3			03/25/21 06:29	3.42
trans-1,2-Dichloroethene	ND		27		ug/m3			03/25/21 06:29	3.42
trans-1,3-Dichloropropene	ND		31		ug/m3			03/25/21 06:29	3.42
Trichloroethene	ND		17		ug/m3			03/25/21 06:29	3.42
Trichlorofluoromethane	ND		38		ug/m3			03/25/21 06:29	3.42
Vinyl chloride	ND		8.7		ug/m3			03/25/21 06:29	3.42

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		60 - 140		03/25/21 06:29	3.42

Client Sample ID: 224121-SSA-90

Lab Sample ID: 140-22279-9

Date Collected: 03/11/21 07:45

Matrix: Air

Date Received: 03/12/21 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		8.7		ppb v/v			03/16/21 22:19	2.4
1,1,2,2-Tetrachloroethane	ND		8.7		ppb v/v			03/16/21 22:19	2.4
1,1,2-Trichloroethane	ND		8.7		ppb v/v			03/16/21 22:19	2.4
1,1,2-Trichlorotrifluoroethane	ND		8.7		ppb v/v			03/16/21 22:19	2.4
1,1-Dichloroethane	ND		8.7		ppb v/v			03/16/21 22:19	2.4
1,1-Dichloroethene	ND		4.4		ppb v/v			03/16/21 22:19	2.4
1,2,4-Trichlorobenzene	ND		8.7		ppb v/v			03/16/21 22:19	2.4

Client Sample Results

Client: New York State D.E.C.
 Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22279-1

Client Sample ID: 224121-SSA-90

Lab Sample ID: 140-22279-9

Date Collected: 03/11/21 07:45

Matrix: Air

Date Received: 03/12/21 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	ND		8.7		ppb v/v			03/16/21 22:19	2.4
1,2-Dibromoethane	ND		8.7		ppb v/v			03/16/21 22:19	2.4
1,2-Dichlorobenzene	ND		8.7		ppb v/v			03/16/21 22:19	2.4
1,2-Dichloroethane	ND		8.7		ppb v/v			03/16/21 22:19	2.4
1,2-Dichloropropane	ND		8.7		ppb v/v			03/16/21 22:19	2.4
1,2-Dichlorotetrafluoroethane	ND	*+	8.7		ppb v/v			03/16/21 22:19	2.4
1,3,5-Trimethylbenzene	ND		8.7		ppb v/v			03/16/21 22:19	2.4
1,3-Dichlorobenzene	ND		8.7		ppb v/v			03/16/21 22:19	2.4
1,4-Dichlorobenzene	ND		8.7		ppb v/v			03/16/21 22:19	2.4
1,4-Dioxane	ND		22		ppb v/v			03/16/21 22:19	2.4
2,2,4-Trimethylpentane	ND		22		ppb v/v			03/16/21 22:19	2.4
2-Butanone	ND		35		ppb v/v			03/16/21 22:19	2.4
4-Methyl-2-pentanone (MIBK)	ND		22		ppb v/v			03/16/21 22:19	2.4
Benzene	ND		8.7		ppb v/v			03/16/21 22:19	2.4
Benzyl chloride	ND		17		ppb v/v			03/16/21 22:19	2.4
Bromodichloromethane	ND		8.7		ppb v/v			03/16/21 22:19	2.4
Bromoform	ND		8.7		ppb v/v			03/16/21 22:19	2.4
Bromomethane	ND	*+	8.7		ppb v/v			03/16/21 22:19	2.4
Carbon tetrachloride	ND		3.5		ppb v/v			03/16/21 22:19	2.4
Chlorobenzene	ND		8.7		ppb v/v			03/16/21 22:19	2.4
Chloroethane	ND		8.7		ppb v/v			03/16/21 22:19	2.4
Chloroform	ND		8.7		ppb v/v			03/16/21 22:19	2.4
Chloromethane	ND		22		ppb v/v			03/16/21 22:19	2.4
cis-1,2-Dichloroethene	ND		4.4		ppb v/v			03/16/21 22:19	2.4
cis-1,3-Dichloropropene	ND		8.7		ppb v/v			03/16/21 22:19	2.4
Cyclohexane	43	CI	22		ppb v/v			03/16/21 22:19	2.4
Dibromochloromethane	ND		8.7		ppb v/v			03/16/21 22:19	2.4
Dichlorodifluoromethane	ND		8.7		ppb v/v			03/16/21 22:19	2.4
Ethanol	ND		220		ppb v/v			03/16/21 22:19	2.4
Ethylbenzene	ND		8.7		ppb v/v			03/16/21 22:19	2.4
Hexachlorobutadiene	ND	*+	8.7		ppb v/v			03/16/21 22:19	2.4
Hexane	ND		22		ppb v/v			03/16/21 22:19	2.4
Methyl tert-butyl ether	ND		17		ppb v/v			03/16/21 22:19	2.4
Methylene Chloride	ND		44		ppb v/v			03/16/21 22:19	2.4
m-Xylene & p-Xylene	ND		8.7		ppb v/v			03/16/21 22:19	2.4
Naphthalene	ND		22		ppb v/v			03/16/21 22:19	2.4
o-Xylene	ND		8.7		ppb v/v			03/16/21 22:19	2.4
Styrene	ND		8.7		ppb v/v			03/16/21 22:19	2.4
t-Butyl alcohol	ND		35		ppb v/v			03/16/21 22:19	2.4
Tetrachloroethene	ND		8.7		ppb v/v			03/16/21 22:19	2.4
Toluene	ND		13		ppb v/v			03/16/21 22:19	2.4
trans-1,2-Dichloroethene	ND		8.7		ppb v/v			03/16/21 22:19	2.4
trans-1,3-Dichloropropene	ND		8.7		ppb v/v			03/16/21 22:19	2.4
Trichloroethene	ND		3.9		ppb v/v			03/16/21 22:19	2.4
Trichlorofluoromethane	ND		8.7		ppb v/v			03/16/21 22:19	2.4
Vinyl chloride	ND		4.4		ppb v/v			03/16/21 22:19	2.4
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		48		ug/m3			03/16/21 22:19	2.4

Client Sample Results

Client: New York State D.E.C.
 Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22279-1

Client Sample ID: 224121-SSA-90

Lab Sample ID: 140-22279-9

Date Collected: 03/11/21 07:45

Matrix: Air

Date Received: 03/12/21 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		60		ug/m3			03/16/21 22:19	2.4
1,1,2-Trichloroethane	ND		48		ug/m3			03/16/21 22:19	2.4
1,1,2-Trichlorotrifluoroethane	ND		67		ug/m3			03/16/21 22:19	2.4
1,1-Dichloroethane	ND		35		ug/m3			03/16/21 22:19	2.4
1,1-Dichloroethene	ND		17		ug/m3			03/16/21 22:19	2.4
1,2,4-Trichlorobenzene	ND		65		ug/m3			03/16/21 22:19	2.4
1,2,4-Trimethylbenzene	ND		43		ug/m3			03/16/21 22:19	2.4
1,2-Dibromoethane	ND		67		ug/m3			03/16/21 22:19	2.4
1,2-Dichlorobenzene	ND		52		ug/m3			03/16/21 22:19	2.4
1,2-Dichloroethane	ND		35		ug/m3			03/16/21 22:19	2.4
1,2-Dichloropropane	ND		40		ug/m3			03/16/21 22:19	2.4
1,2-Dichlorotetrafluoroethane	ND	*+ UJ	61		ug/m3			03/16/21 22:19	2.4
1,3,5-Trimethylbenzene	ND		43		ug/m3			03/16/21 22:19	2.4
1,3-Dichlorobenzene	ND		52		ug/m3			03/16/21 22:19	2.4
1,4-Dichlorobenzene	ND		52		ug/m3			03/16/21 22:19	2.4
1,4-Dioxane	ND		79		ug/m3			03/16/21 22:19	2.4
2,2,4-Trimethylpentane	ND		100		ug/m3			03/16/21 22:19	2.4
2-Butanone	ND		100		ug/m3			03/16/21 22:19	2.4
4-Methyl-2-pentanone (MIBK)	ND		89		ug/m3			03/16/21 22:19	2.4
Benzene	ND		28		ug/m3			03/16/21 22:19	2.4
Benzyl chloride	ND		90		ug/m3			03/16/21 22:19	2.4
Bromodichloromethane	ND		58		ug/m3			03/16/21 22:19	2.4
Bromoform	ND		90		ug/m3			03/16/21 22:19	2.4
Bromomethane	ND	*+ UJ	34		ug/m3			03/16/21 22:19	2.4
Carbon tetrachloride	ND		22		ug/m3			03/16/21 22:19	2.4
Chlorobenzene	ND		40		ug/m3			03/16/21 22:19	2.4
Chloroethane	ND		23		ug/m3			03/16/21 22:19	2.4
Chloroform	ND		43		ug/m3			03/16/21 22:19	2.4
Chloromethane	ND		45		ug/m3			03/16/21 22:19	2.4
cis-1,2-Dichloroethene	ND		17		ug/m3			03/16/21 22:19	2.4
cis-1,3-Dichloropropene	ND		40		ug/m3			03/16/21 22:19	2.4
Cyclohexane	150	CI	75		ug/m3			03/16/21 22:19	2.4
Dibromochloromethane	ND		74		ug/m3			03/16/21 22:19	2.4
Dichlorodifluoromethane	ND		43		ug/m3			03/16/21 22:19	2.4
Ethanol	ND		410		ug/m3			03/16/21 22:19	2.4
Ethylbenzene	ND		38		ug/m3			03/16/21 22:19	2.4
Hexachlorobutadiene	ND	*+ UJ	93		ug/m3			03/16/21 22:19	2.4
Hexane	ND		77		ug/m3			03/16/21 22:19	2.4
Methyl tert-butyl ether	ND		63		ug/m3			03/16/21 22:19	2.4
Methylene Chloride	ND		150		ug/m3			03/16/21 22:19	2.4
m-Xylene & p-Xylene	ND		38		ug/m3			03/16/21 22:19	2.4
Naphthalene	ND	UJ	110		ug/m3			03/16/21 22:19	2.4
o-Xylene	ND		38		ug/m3			03/16/21 22:19	2.4
Styrene	ND		37		ug/m3			03/16/21 22:19	2.4
t-Butyl alcohol	ND		110		ug/m3			03/16/21 22:19	2.4
Tetrachloroethene	ND		59		ug/m3			03/16/21 22:19	2.4
Toluene	ND		49		ug/m3			03/16/21 22:19	2.4
trans-1,2-Dichloroethene	ND		35		ug/m3			03/16/21 22:19	2.4

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22279-1

Client Sample ID: 224121-SSA-90

Lab Sample ID: 140-22279-9

Date Collected: 03/11/21 07:45

Matrix: Air

Date Received: 03/12/21 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	ND		40		ug/m3			03/16/21 22:19	2.4
Trichloroethene	ND		21		ug/m3			03/16/21 22:19	2.4
Trichlorofluoromethane	ND		49		ug/m3			03/16/21 22:19	2.4
Vinyl chloride	ND		11		ug/m3			03/16/21 22:19	2.4
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		60 - 140					03/16/21 22:19	2.4

Client Sample ID: 224121-IAA-90

Lab Sample ID: 140-22279-10

Date Collected: 03/11/21 07:46

Matrix: Air

Date Received: 03/12/21 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.080		ppb v/v			03/16/21 23:08	1
1,1,2,2-Tetrachloroethane	ND		0.080		ppb v/v			03/16/21 23:08	1
1,1,2-Trichloroethane	ND		0.080		ppb v/v			03/16/21 23:08	1
1,1,2-Trichlorotrifluoroethane	ND		0.080		ppb v/v			03/16/21 23:08	1
1,1-Dichloroethane	ND		0.080		ppb v/v			03/16/21 23:08	1
1,1-Dichloroethene	ND		0.040		ppb v/v			03/16/21 23:08	1
1,2,4-Trichlorobenzene	ND		0.080		ppb v/v			03/16/21 23:08	1
1,2,4-Trimethylbenzene	8.8		0.080		ppb v/v			03/16/21 23:08	1
1,2-Dibromoethane	ND		0.080		ppb v/v			03/16/21 23:08	1
1,2-Dichlorobenzene	ND		0.080		ppb v/v			03/16/21 23:08	1
1,2-Dichloroethane	ND		0.080		ppb v/v			03/16/21 23:08	1
1,2-Dichloropropane	ND		0.080		ppb v/v			03/16/21 23:08	1
1,2-Dichlorotetrafluoroethane	ND	*+	0.080		ppb v/v			03/16/21 23:08	1
1,3,5-Trimethylbenzene	2.7		0.080		ppb v/v			03/16/21 23:08	1
1,3-Dichlorobenzene	ND		0.080		ppb v/v			03/16/21 23:08	1
1,4-Dichlorobenzene	ND		0.080		ppb v/v			03/16/21 23:08	1
1,4-Dioxane	9.2		0.20		ppb v/v			03/16/21 23:08	1
2,2,4-Trimethylpentane	1.4		0.20		ppb v/v			03/16/21 23:08	1
2-Butanone	7.0		0.32		ppb v/v			03/16/21 23:08	1
4-Methyl-2-pentanone (MIBK)	0.36		0.20		ppb v/v			03/16/21 23:08	1
Benzene	0.67		0.080		ppb v/v			03/16/21 23:08	1
Benzyl chloride	ND		0.16		ppb v/v			03/16/21 23:08	1
Bromodichloromethane	ND		0.080		ppb v/v			03/16/21 23:08	1
Bromoform	ND		0.080		ppb v/v			03/16/21 23:08	1
Bromomethane	ND	*+	0.080		ppb v/v			03/16/21 23:08	1
Carbon tetrachloride	0.069		0.032		ppb v/v			03/16/21 23:08	1
Chlorobenzene	ND		0.080		ppb v/v			03/16/21 23:08	1
Chloroethane	ND		0.080		ppb v/v			03/16/21 23:08	1
Chloroform	ND		0.080		ppb v/v			03/16/21 23:08	1
Chloromethane	0.84		0.20		ppb v/v			03/16/21 23:08	1
cis-1,2-Dichloroethene	ND		0.040		ppb v/v			03/16/21 23:08	1
cis-1,3-Dichloropropene	ND		0.080		ppb v/v			03/16/21 23:08	1
Cyclohexane	0.30		0.20		ppb v/v			03/16/21 23:08	1
Dibromochloromethane	ND		0.080		ppb v/v			03/16/21 23:08	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22279-1

Client Sample ID: 224121-IAA-90

Lab Sample ID: 140-22279-10

Date Collected: 03/11/21 07:46

Matrix: Air

Date Received: 03/12/21 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	0.52		0.080		ppb v/v			03/16/21 23:08	1
Ethanol	30		2.0		ppb v/v			03/16/21 23:08	1
Ethylbenzene	1.4		0.080		ppb v/v			03/16/21 23:08	1
Hexachlorobutadiene	ND	*+	0.080		ppb v/v			03/16/21 23:08	1
Hexane	0.67		0.20		ppb v/v			03/16/21 23:08	1
Methyl tert-butyl ether	ND		0.16		ppb v/v			03/16/21 23:08	1
Methylene Chloride	2.5		0.40		ppb v/v			03/16/21 23:08	1
m-Xylene & p-Xylene	5.2		0.080		ppb v/v			03/16/21 23:08	1
Naphthalene	0.21		0.20		ppb v/v			03/16/21 23:08	1
o-Xylene	2.0		0.080		ppb v/v			03/16/21 23:08	1
Styrene	0.17		0.080		ppb v/v			03/16/21 23:08	1
t-Butyl alcohol	ND		0.32		ppb v/v			03/16/21 23:08	1
Tetrachloroethene	0.14		0.080		ppb v/v			03/16/21 23:08	1
Toluene	2.8		0.12		ppb v/v			03/16/21 23:08	1
trans-1,2-Dichloroethene	ND		0.080		ppb v/v			03/16/21 23:08	1
trans-1,3-Dichloropropene	ND		0.080		ppb v/v			03/16/21 23:08	1
Trichloroethene	ND		0.036		ppb v/v			03/16/21 23:08	1
Trichlorofluoromethane	0.36		0.080		ppb v/v			03/16/21 23:08	1
Vinyl chloride	ND		0.040		ppb v/v			03/16/21 23:08	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.44		ug/m3			03/16/21 23:08	1
1,1,2,2-Tetrachloroethane	ND		0.55		ug/m3			03/16/21 23:08	1
1,1,2-Trichloroethane	ND		0.44		ug/m3			03/16/21 23:08	1
1,1,2-Trichlorotrifluoroethane	ND		0.61		ug/m3			03/16/21 23:08	1
1,1-Dichloroethane	ND		0.32		ug/m3			03/16/21 23:08	1
1,1-Dichloroethene	ND		0.16		ug/m3			03/16/21 23:08	1
1,2,4-Trichlorobenzene	ND		0.59		ug/m3			03/16/21 23:08	1
1,2,4-Trimethylbenzene	43		0.39		ug/m3			03/16/21 23:08	1
1,2-Dibromoethane	ND		0.61		ug/m3			03/16/21 23:08	1
1,2-Dichlorobenzene	ND		0.48		ug/m3			03/16/21 23:08	1
1,2-Dichloroethane	ND		0.32		ug/m3			03/16/21 23:08	1
1,2-Dichloropropane	ND		0.37		ug/m3			03/16/21 23:08	1
1,2-Dichlorotetrafluoroethane	ND	*+UJ	0.56		ug/m3			03/16/21 23:08	1
1,3,5-Trimethylbenzene	13		0.39		ug/m3			03/16/21 23:08	1
1,3-Dichlorobenzene	ND		0.48		ug/m3			03/16/21 23:08	1
1,4-Dichlorobenzene	ND		0.48		ug/m3			03/16/21 23:08	1
1,4-Dioxane	33		0.72		ug/m3			03/16/21 23:08	1
2,2,4-Trimethylpentane	6.7		0.93		ug/m3			03/16/21 23:08	1
2-Butanone	21		0.94		ug/m3			03/16/21 23:08	1
4-Methyl-2-pentanone (MIBK)	1.5		0.82		ug/m3			03/16/21 23:08	1
Benzene	2.1		0.26		ug/m3			03/16/21 23:08	1
Benzyl chloride	ND		0.83		ug/m3			03/16/21 23:08	1
Bromodichloromethane	ND		0.54		ug/m3			03/16/21 23:08	1
Bromoform	ND		0.83		ug/m3			03/16/21 23:08	1
Bromomethane	ND	*+UJ	0.31		ug/m3			03/16/21 23:08	1
Carbon tetrachloride	0.43		0.20		ug/m3			03/16/21 23:08	1
Chlorobenzene	ND		0.37		ug/m3			03/16/21 23:08	1
Chloroethane	ND		0.21		ug/m3			03/16/21 23:08	1

ALH 4/7/21

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22279-1

Client Sample ID: 224121-IAA-90

Lab Sample ID: 140-22279-10

Date Collected: 03/11/21 07:46

Matrix: Air

Date Received: 03/12/21 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	ND		0.39		ug/m3			03/16/21 23:08	1
Chloromethane	1.7		0.41		ug/m3			03/16/21 23:08	1
cis-1,2-Dichloroethene	ND		0.16		ug/m3			03/16/21 23:08	1
cis-1,3-Dichloropropene	ND		0.36		ug/m3			03/16/21 23:08	1
Cyclohexane	1.0		0.69		ug/m3			03/16/21 23:08	1
Dibromochloromethane	ND		0.68		ug/m3			03/16/21 23:08	1
Dichlorodifluoromethane	2.6		0.40		ug/m3			03/16/21 23:08	1
Ethanol	57		3.8		ug/m3			03/16/21 23:08	1
Ethylbenzene	6.2		0.35		ug/m3			03/16/21 23:08	1
Hexachlorobutadiene	ND	*+UJ	0.85		ug/m3			03/16/21 23:08	1
Hexane	2.4		0.70		ug/m3			03/16/21 23:08	1
Methyl tert-butyl ether	ND		0.58		ug/m3			03/16/21 23:08	1
Methylene Chloride	8.7		1.4		ug/m3			03/16/21 23:08	1
m-Xylene & p-Xylene	22		0.35		ug/m3			03/16/21 23:08	1
Naphthalene	1.1	J	1.0		ug/m3			03/16/21 23:08	1
o-Xylene	8.6		0.35		ug/m3			03/16/21 23:08	1
Styrene	0.74		0.34		ug/m3			03/16/21 23:08	1
t-Butyl alcohol	ND		0.97		ug/m3			03/16/21 23:08	1
Tetrachloroethene	0.97		0.54		ug/m3			03/16/21 23:08	1
Toluene	10		0.45		ug/m3			03/16/21 23:08	1
trans-1,2-Dichloroethene	ND		0.32		ug/m3			03/16/21 23:08	1
trans-1,3-Dichloropropene	ND		0.36		ug/m3			03/16/21 23:08	1
Trichloroethene	ND		0.19		ug/m3			03/16/21 23:08	1
Trichlorofluoromethane	2.0		0.45		ug/m3			03/16/21 23:08	1
Vinyl chloride	ND		0.10		ug/m3			03/16/21 23:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		60 - 140					03/16/21 23:08	1

Client Sample ID: 224121-SSB-90

Lab Sample ID: 140-22279-11

Date Collected: 03/11/21 07:43

Matrix: Air

Date Received: 03/12/21 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.40		ppb v/v			03/16/21 23:50	1
1,1,2,2-Tetrachloroethane	ND		0.40		ppb v/v			03/16/21 23:50	1
1,1,2-Trichloroethane	ND		0.40		ppb v/v			03/16/21 23:50	1
1,1,2-Trichlorotrifluoroethane	ND		0.40		ppb v/v			03/16/21 23:50	1
1,1-Dichloroethane	ND		0.40		ppb v/v			03/16/21 23:50	1
1,1-Dichloroethene	ND		0.20		ppb v/v			03/16/21 23:50	1
1,2,4-Trichlorobenzene	ND		0.40		ppb v/v			03/16/21 23:50	1
1,2,4-Trimethylbenzene	41		0.40		ppb v/v			03/16/21 23:50	1
1,2-Dibromoethane	ND		0.40		ppb v/v			03/16/21 23:50	1
1,2-Dichlorobenzene	ND		0.40		ppb v/v			03/16/21 23:50	1
1,2-Dichloroethane	0.47		0.40		ppb v/v			03/16/21 23:50	1
1,2-Dichloropropane	ND		0.40		ppb v/v			03/16/21 23:50	1
1,2-Dichlorotetrafluoroethane	ND	*+	0.40		ppb v/v			03/16/21 23:50	1

Eurofins TestAmerica, Knoxville

ALH 4/7/21

Client Sample Results

Client: New York State D.E.C.
 Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22279-1

Client Sample ID: 224121-SSB-90

Lab Sample ID: 140-22279-11

Date Collected: 03/11/21 07:43

Matrix: Air

Date Received: 03/12/21 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trimethylbenzene	28		0.40		ppb v/v			03/16/21 23:50	1
1,3-Dichlorobenzene	ND		0.40		ppb v/v			03/16/21 23:50	1
1,4-Dichlorobenzene	ND		0.40		ppb v/v			03/16/21 23:50	1
1,4-Dioxane	ND		1.0		ppb v/v			03/16/21 23:50	1
2,2,4-Trimethylpentane	4.3		1.0		ppb v/v			03/16/21 23:50	1
2-Butanone	5.0		1.6		ppb v/v			03/16/21 23:50	1
4-Methyl-2-pentanone (MIBK)	ND		1.0		ppb v/v			03/16/21 23:50	1
Benzene	1.8		0.40		ppb v/v			03/16/21 23:50	1
Benzyl chloride	ND		0.80		ppb v/v			03/16/21 23:50	1
Bromodichloromethane	ND		0.40		ppb v/v			03/16/21 23:50	1
Bromoform	ND		0.40		ppb v/v			03/16/21 23:50	1
Bromomethane	ND	*+	0.40		ppb v/v			03/16/21 23:50	1
Carbon tetrachloride	0.29		0.16		ppb v/v			03/16/21 23:50	1
Chlorobenzene	ND		0.40		ppb v/v			03/16/21 23:50	1
Chloroethane	2.0		0.40		ppb v/v			03/16/21 23:50	1
Chloroform	ND		0.40		ppb v/v			03/16/21 23:50	1
Chloromethane	ND		1.0		ppb v/v			03/16/21 23:50	1
cis-1,2-Dichloroethene	ND		0.20		ppb v/v			03/16/21 23:50	1
cis-1,3-Dichloropropene	ND		0.40		ppb v/v			03/16/21 23:50	1
Cyclohexane	3.0		1.0		ppb v/v			03/16/21 23:50	1
Dibromochloromethane	ND		0.40		ppb v/v			03/16/21 23:50	1
Dichlorodifluoromethane	0.62		0.40		ppb v/v			03/16/21 23:50	1
Ethanol	13		10		ppb v/v			03/16/21 23:50	1
Ethylbenzene	4.0		0.40		ppb v/v			03/16/21 23:50	1
Hexachlorobutadiene	ND	*+	0.40		ppb v/v			03/16/21 23:50	1
Hexane	6.8		1.0		ppb v/v			03/16/21 23:50	1
Methyl tert-butyl ether	ND		0.80		ppb v/v			03/16/21 23:50	1
Methylene Chloride	2.7		2.0		ppb v/v			03/16/21 23:50	1
m-Xylene & p-Xylene	7.9		0.40		ppb v/v			03/16/21 23:50	1
Naphthalene	4.7		1.0		ppb v/v			03/16/21 23:50	1
o-Xylene	11		0.40		ppb v/v			03/16/21 23:50	1
Styrene	ND		0.40		ppb v/v			03/16/21 23:50	1
t-Butyl alcohol	ND		1.6		ppb v/v			03/16/21 23:50	1
Tetrachloroethene	0.95		0.40		ppb v/v			03/16/21 23:50	1
Toluene	4.9		0.60		ppb v/v			03/16/21 23:50	1
trans-1,2-Dichloroethene	ND		0.40		ppb v/v			03/16/21 23:50	1
trans-1,3-Dichloropropene	ND		0.40		ppb v/v			03/16/21 23:50	1
Trichloroethene	ND		0.18		ppb v/v			03/16/21 23:50	1
Trichlorofluoromethane	0.74		0.40		ppb v/v			03/16/21 23:50	1
Vinyl chloride	2.0		0.20		ppb v/v			03/16/21 23:50	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.2		ug/m3			03/16/21 23:50	1
1,1,2,2-Tetrachloroethane	ND		2.7		ug/m3			03/16/21 23:50	1
1,1,2-Trichloroethane	ND		2.2		ug/m3			03/16/21 23:50	1
1,1,2-Trichlorotrifluoroethane	ND		3.1		ug/m3			03/16/21 23:50	1
1,1-Dichloroethane	ND		1.6		ug/m3			03/16/21 23:50	1
1,1-Dichloroethene	ND		0.79		ug/m3			03/16/21 23:50	1
1,2,4-Trichlorobenzene	ND		3.0		ug/m3			03/16/21 23:50	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22279-1

Client Sample ID: 224121-SSB-90

Lab Sample ID: 140-22279-11

Date Collected: 03/11/21 07:43

Matrix: Air

Date Received: 03/12/21 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	200		2.0		ug/m3			03/16/21 23:50	1
1,2-Dibromoethane	ND		3.1		ug/m3			03/16/21 23:50	1
1,2-Dichlorobenzene	ND		2.4		ug/m3			03/16/21 23:50	1
1,2-Dichloroethane	1.9		1.6		ug/m3			03/16/21 23:50	1
1,2-Dichloropropane	ND		1.8		ug/m3			03/16/21 23:50	1
1,2-Dichlorotetrafluoroethane	ND	*+ UJ	2.8		ug/m3			03/16/21 23:50	1
1,3,5-Trimethylbenzene	140		2.0		ug/m3			03/16/21 23:50	1
1,3-Dichlorobenzene	ND		2.4		ug/m3			03/16/21 23:50	1
1,4-Dichlorobenzene	ND		2.4		ug/m3			03/16/21 23:50	1
1,4-Dioxane	ND		3.6		ug/m3			03/16/21 23:50	1
2,2,4-Trimethylpentane	20		4.7		ug/m3			03/16/21 23:50	1
2-Butanone	15		4.7		ug/m3			03/16/21 23:50	1
4-Methyl-2-pentanone (MIBK)	ND		4.1		ug/m3			03/16/21 23:50	1
Benzene	5.7		1.3		ug/m3			03/16/21 23:50	1
Benzyl chloride	ND		4.1		ug/m3			03/16/21 23:50	1
Bromodichloromethane	ND		2.7		ug/m3			03/16/21 23:50	1
Bromoform	ND		4.1		ug/m3			03/16/21 23:50	1
Bromomethane	ND	*+ UJ	1.6		ug/m3			03/16/21 23:50	1
Carbon tetrachloride	1.8		1.0		ug/m3			03/16/21 23:50	1
Chlorobenzene	ND		1.8		ug/m3			03/16/21 23:50	1
Chloroethane	5.2		1.1		ug/m3			03/16/21 23:50	1
Chloroform	ND		2.0		ug/m3			03/16/21 23:50	1
Chloromethane	ND		2.1		ug/m3			03/16/21 23:50	1
cis-1,2-Dichloroethene	ND		0.79		ug/m3			03/16/21 23:50	1
cis-1,3-Dichloropropene	ND		1.8		ug/m3			03/16/21 23:50	1
Cyclohexane	10		3.4		ug/m3			03/16/21 23:50	1
Dibromochloromethane	ND		3.4		ug/m3			03/16/21 23:50	1
Dichlorodifluoromethane	3.1		2.0		ug/m3			03/16/21 23:50	1
Ethanol	25		19		ug/m3			03/16/21 23:50	1
Ethylbenzene	17		1.7		ug/m3			03/16/21 23:50	1
Hexachlorobutadiene	ND	*+ UJ	4.3		ug/m3			03/16/21 23:50	1
Hexane	24		3.5		ug/m3			03/16/21 23:50	1
Methyl tert-butyl ether	ND		2.9		ug/m3			03/16/21 23:50	1
Methylene Chloride	9.5		6.9		ug/m3			03/16/21 23:50	1
m-Xylene & p-Xylene	34		1.7		ug/m3			03/16/21 23:50	1
Naphthalene	24	J	5.2		ug/m3			03/16/21 23:50	1
o-Xylene	47		1.7		ug/m3			03/16/21 23:50	1
Styrene	ND		1.7		ug/m3			03/16/21 23:50	1
t-Butyl alcohol	ND		4.9		ug/m3			03/16/21 23:50	1
Tetrachloroethene	6.5		2.7		ug/m3			03/16/21 23:50	1
Toluene	18		2.3		ug/m3			03/16/21 23:50	1
trans-1,2-Dichloroethene	ND		1.6		ug/m3			03/16/21 23:50	1
trans-1,3-Dichloropropene	ND		1.8		ug/m3			03/16/21 23:50	1
Trichloroethene	ND		0.97		ug/m3			03/16/21 23:50	1
Trichlorofluoromethane	4.2		2.2		ug/m3			03/16/21 23:50	1
Vinyl chloride	5.0		0.51		ug/m3			03/16/21 23:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		60 - 140		03/16/21 23:50	1

Eurofins TestAmerica, Knoxville

ALH 4/7/21

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22279-1

Client Sample ID: 224121-IAB-90

Lab Sample ID: 140-22279-12

Date Collected: 03/11/21 07:44

Matrix: Air

Date Received: 03/12/21 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.50		ppb v/v			03/18/21 13:53	1
1,1,2,2-Tetrachloroethane	ND		0.50		ppb v/v			03/18/21 13:53	1
1,1,2-Trichloroethane	ND		0.50		ppb v/v			03/18/21 13:53	1
1,1,2-Trichlorotrifluoroethane	ND		0.50		ppb v/v			03/18/21 13:53	1
1,1-Dichloroethane	ND		0.50		ppb v/v			03/18/21 13:53	1
1,1-Dichloroethene	ND		0.25		ppb v/v			03/18/21 13:53	1
1,2,4-Trichlorobenzene	ND		0.50		ppb v/v			03/18/21 13:53	1
1,2,4-Trimethylbenzene	2.3		0.50		ppb v/v			03/18/21 13:53	1
1,2-Dibromoethane	ND		0.50		ppb v/v			03/18/21 13:53	1
1,2-Dichlorobenzene	ND		0.50		ppb v/v			03/18/21 13:53	1
1,2-Dichloroethane	ND		0.50		ppb v/v			03/18/21 13:53	1
1,2-Dichloropropane	ND		0.50		ppb v/v			03/18/21 13:53	1
1,2-Dichlorotetrafluoroethane	ND	*+	0.50		ppb v/v			03/18/21 13:53	1
1,3,5-Trimethylbenzene	0.87		0.50		ppb v/v			03/18/21 13:53	1
1,3-Dichlorobenzene	ND		0.50		ppb v/v			03/18/21 13:53	1
1,4-Dichlorobenzene	ND		0.50		ppb v/v			03/18/21 13:53	1
1,4-Dioxane	20		1.3		ppb v/v			03/18/21 13:53	1
2,2,4-Trimethylpentane	ND		1.3		ppb v/v			03/18/21 13:53	1
2-Butanone	ND		2.0		ppb v/v			03/18/21 13:53	1
4-Methyl-2-pentanone (MIBK)	ND		1.3		ppb v/v			03/18/21 13:53	1
Benzene	0.59		0.50		ppb v/v			03/18/21 13:53	1
Benzyl chloride	ND		1.0		ppb v/v			03/18/21 13:53	1
Bromodichloromethane	ND		0.50		ppb v/v			03/18/21 13:53	1
Bromoform	ND		0.50		ppb v/v			03/18/21 13:53	1
Bromomethane	ND	*+	0.50		ppb v/v			03/18/21 13:53	1
Carbon tetrachloride	ND		0.20		ppb v/v			03/18/21 13:53	1
Chlorobenzene	ND		0.50		ppb v/v			03/18/21 13:53	1
Chloroethane	ND		0.50		ppb v/v			03/18/21 13:53	1
Chloroform	ND		0.50		ppb v/v			03/18/21 13:53	1
Chloromethane	ND		1.3		ppb v/v			03/18/21 13:53	1
cis-1,2-Dichloroethene	ND		0.25		ppb v/v			03/18/21 13:53	1
cis-1,3-Dichloropropene	ND		0.50		ppb v/v			03/18/21 13:53	1
Cyclohexane	ND		1.3		ppb v/v			03/18/21 13:53	1
Dibromochloromethane	ND		0.50		ppb v/v			03/18/21 13:53	1
Dichlorodifluoromethane	0.56		0.50		ppb v/v			03/18/21 13:53	1
Ethanol	49		13		ppb v/v			03/18/21 13:53	1
Ethylbenzene	ND		0.50		ppb v/v			03/18/21 13:53	1
Hexachlorobutadiene	ND	*+	0.50		ppb v/v			03/18/21 13:53	1
Hexane	ND		1.3		ppb v/v			03/18/21 13:53	1
Methyl tert-butyl ether	ND		1.0		ppb v/v			03/18/21 13:53	1
Methylene Chloride	23		2.5		ppb v/v			03/18/21 13:53	1
m-Xylene & p-Xylene	1.6		0.50		ppb v/v			03/18/21 13:53	1
Naphthalene	ND	*+	1.3		ppb v/v			03/18/21 13:53	1
o-Xylene	0.71		0.50		ppb v/v			03/18/21 13:53	1
Styrene	ND		0.50		ppb v/v			03/18/21 13:53	1
t-Butyl alcohol	ND		2.0		ppb v/v			03/18/21 13:53	1
Tetrachloroethene	ND		0.50		ppb v/v			03/18/21 13:53	1
Toluene	1.5		0.75		ppb v/v			03/18/21 13:53	1

Client Sample Results

Client: New York State D.E.C.
 Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22279-1

Client Sample ID: 224121-IAB-90

Lab Sample ID: 140-22279-12

Date Collected: 03/11/21 07:44

Matrix: Air

Date Received: 03/12/21 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		0.50		ppb v/v			03/18/21 13:53	1
trans-1,3-Dichloropropene	ND		0.50		ppb v/v			03/18/21 13:53	1
Trichloroethene	ND		0.23		ppb v/v			03/18/21 13:53	1
Trichlorofluoromethane	ND		0.50		ppb v/v			03/18/21 13:53	1
Vinyl chloride	ND		0.25		ppb v/v			03/18/21 13:53	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.7		ug/m3			03/18/21 13:53	1
1,1,2,2-Tetrachloroethane	ND		3.4		ug/m3			03/18/21 13:53	1
1,1,2-Trichloroethane	ND		2.7		ug/m3			03/18/21 13:53	1
1,1,2-Trichlorotrifluoroethane	ND		3.8		ug/m3			03/18/21 13:53	1
1,1-Dichloroethane	ND		2.0		ug/m3			03/18/21 13:53	1
1,1-Dichloroethene	ND		0.99		ug/m3			03/18/21 13:53	1
1,2,4-Trichlorobenzene	ND		3.7		ug/m3			03/18/21 13:53	1
1,2,4-Trimethylbenzene	11		2.5		ug/m3			03/18/21 13:53	1
1,2-Dibromoethane	ND		3.8		ug/m3			03/18/21 13:53	1
1,2-Dichlorobenzene	ND		3.0		ug/m3			03/18/21 13:53	1
1,2-Dichloroethane	ND		2.0		ug/m3			03/18/21 13:53	1
1,2-Dichloropropane	ND		2.3		ug/m3			03/18/21 13:53	1
1,2-Dichlorotetrafluoroethane	ND	*+ JJ	3.5		ug/m3			03/18/21 13:53	1
1,3,5-Trimethylbenzene	4.3		2.5		ug/m3			03/18/21 13:53	1
1,3-Dichlorobenzene	ND		3.0		ug/m3			03/18/21 13:53	1
1,4-Dichlorobenzene	ND		3.0		ug/m3			03/18/21 13:53	1
1,4-Dioxane	72		4.5		ug/m3			03/18/21 13:53	1
2,2,4-Trimethylpentane	ND		5.8		ug/m3			03/18/21 13:53	1
2-Butanone	ND		5.9		ug/m3			03/18/21 13:53	1
4-Methyl-2-pentanone (MIBK)	ND		5.1		ug/m3			03/18/21 13:53	1
Benzene	1.9		1.6		ug/m3			03/18/21 13:53	1
Benzyl chloride	ND		5.2		ug/m3			03/18/21 13:53	1
Bromodichloromethane	ND		3.4		ug/m3			03/18/21 13:53	1
Bromoform	ND		5.2		ug/m3			03/18/21 13:53	1
Bromomethane	ND	*+ JJ	1.9		ug/m3			03/18/21 13:53	1
Carbon tetrachloride	ND		1.3		ug/m3			03/18/21 13:53	1
Chlorobenzene	ND		2.3		ug/m3			03/18/21 13:53	1
Chloroethane	ND		1.3		ug/m3			03/18/21 13:53	1
Chloroform	ND		2.4		ug/m3			03/18/21 13:53	1
Chloromethane	ND		2.6		ug/m3			03/18/21 13:53	1
cis-1,2-Dichloroethene	ND		0.99		ug/m3			03/18/21 13:53	1
cis-1,3-Dichloropropene	ND		2.3		ug/m3			03/18/21 13:53	1
Cyclohexane	ND		4.3		ug/m3			03/18/21 13:53	1
Dibromochloromethane	ND		4.3		ug/m3			03/18/21 13:53	1
Dichlorodifluoromethane	2.8		2.5		ug/m3			03/18/21 13:53	1
Ethanol	93	J	24		ug/m3			03/18/21 13:53	1
Ethylbenzene	ND		2.2		ug/m3			03/18/21 13:53	1
Hexachlorobutadiene	ND	*+ JJ	5.3		ug/m3			03/18/21 13:53	1
Hexane	ND		4.4		ug/m3			03/18/21 13:53	1
Methyl tert-butyl ether	ND		3.6		ug/m3			03/18/21 13:53	1
Methylene Chloride	81		8.7		ug/m3			03/18/21 13:53	1
m-Xylene & p-Xylene	6.9		2.2		ug/m3			03/18/21 13:53	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22279-1

Client Sample ID: 224121-IAB-90

Lab Sample ID: 140-22279-12

Date Collected: 03/11/21 07:44

Matrix: Air

Date Received: 03/12/21 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND	*+ UJ	6.6		ug/m3			03/18/21 13:53	1
o-Xylene	3.1		2.2		ug/m3			03/18/21 13:53	1
Styrene	ND		2.1		ug/m3			03/18/21 13:53	1
t-Butyl alcohol	ND		6.1		ug/m3			03/18/21 13:53	1
Tetrachloroethene	ND		3.4		ug/m3			03/18/21 13:53	1
Toluene	5.7		2.8		ug/m3			03/18/21 13:53	1
trans-1,2-Dichloroethene	ND		2.0		ug/m3			03/18/21 13:53	1
trans-1,3-Dichloropropene	ND		2.3		ug/m3			03/18/21 13:53	1
Trichloroethene	ND		1.2		ug/m3			03/18/21 13:53	1
Trichlorofluoromethane	ND		2.8		ug/m3			03/18/21 13:53	1
Vinyl chloride	ND		0.64		ug/m3			03/18/21 13:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		60 - 140		03/18/21 13:53	1

Client Sample ID: 224121-SSA-91

Lab Sample ID: 140-22279-13

Date Collected: 03/11/21 08:22

Matrix: Air

Date Received: 03/12/21 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.50		ppb v/v			03/19/21 11:58	1
1,1,2,2-Tetrachloroethane	ND		0.50		ppb v/v			03/19/21 11:58	1
1,1,2-Trichloroethane	ND		0.50		ppb v/v			03/19/21 11:58	1
1,1,2-Trichlorotrifluoroethane	ND		0.50		ppb v/v			03/19/21 11:58	1
1,1-Dichloroethane	ND		0.50		ppb v/v			03/19/21 11:58	1
1,1-Dichloroethene	ND		0.25		ppb v/v			03/19/21 11:58	1
1,2,4-Trichlorobenzene	ND		0.50		ppb v/v			03/19/21 11:58	1
1,2,4-Trimethylbenzene	5.6		0.50		ppb v/v			03/19/21 11:58	1
1,2-Dibromoethane	ND		0.50		ppb v/v			03/19/21 11:58	1
1,2-Dichlorobenzene	ND		0.50		ppb v/v			03/19/21 11:58	1
1,2-Dichloroethane	0.65		0.50		ppb v/v			03/19/21 11:58	1
1,2-Dichloropropane	ND		0.50		ppb v/v			03/19/21 11:58	1
1,2-Dichlorotetrafluoroethane	ND		0.50		ppb v/v			03/19/21 11:58	1
1,3,5-Trimethylbenzene	2.1		0.50		ppb v/v			03/19/21 11:58	1
1,3-Dichlorobenzene	ND		0.50		ppb v/v			03/19/21 11:58	1
1,4-Dichlorobenzene	ND		0.50		ppb v/v			03/19/21 11:58	1
1,4-Dioxane	ND		1.3		ppb v/v			03/19/21 11:58	1
2,2,4-Trimethylpentane	6.1		1.3		ppb v/v			03/19/21 11:58	1
2-Butanone	3.2		2.0		ppb v/v			03/19/21 11:58	1
4-Methyl-2-pentanone (MIBK)	ND		1.3		ppb v/v			03/19/21 11:58	1
Benzene	ND		0.50		ppb v/v			03/19/21 11:58	1
Benzyl chloride	ND		1.0		ppb v/v			03/19/21 11:58	1
Bromodichloromethane	ND		0.50		ppb v/v			03/19/21 11:58	1
Bromoform	ND		0.50		ppb v/v			03/19/21 11:58	1
Bromomethane	ND		0.50		ppb v/v			03/19/21 11:58	1
Carbon tetrachloride	ND		0.20		ppb v/v			03/19/21 11:58	1
Chlorobenzene	ND		0.50		ppb v/v			03/19/21 11:58	1

Eurofins TestAmerica, Knoxville

ALH 4/7/21

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22279-1

Client Sample ID: 224121-SSA-91

Lab Sample ID: 140-22279-13

Date Collected: 03/11/21 08:22

Matrix: Air

Date Received: 03/12/21 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	0.81		0.50		ppb v/v			03/19/21 11:58	1
Chloroform	ND		0.50		ppb v/v			03/19/21 11:58	1
Chloromethane	ND		1.3		ppb v/v			03/19/21 11:58	1
cis-1,2-Dichloroethene	ND		0.25		ppb v/v			03/19/21 11:58	1
cis-1,3-Dichloropropene	ND		0.50		ppb v/v			03/19/21 11:58	1
Cyclohexane	3.6	CI	1.3		ppb v/v			03/19/21 11:58	1
Dibromochloromethane	ND		0.50		ppb v/v			03/19/21 11:58	1
Dichlorodifluoromethane	0.82		0.50		ppb v/v			03/19/21 11:58	1
Ethanol	ND		13		ppb v/v			03/19/21 11:58	1
Ethylbenzene	0.55		0.50		ppb v/v			03/19/21 11:58	1
Hexachlorobutadiene	ND		0.50		ppb v/v			03/19/21 11:58	1
Hexane	ND		1.3		ppb v/v			03/19/21 11:58	1
Methyl tert-butyl ether	ND		1.0		ppb v/v			03/19/21 11:58	1
Methylene Chloride	2.5		2.5		ppb v/v			03/19/21 11:58	1
m-Xylene & p-Xylene	2.6		0.50		ppb v/v			03/19/21 11:58	1
Naphthalene	3.7		1.3		ppb v/v			03/19/21 11:58	1
o-Xylene	1.0		0.50		ppb v/v			03/19/21 11:58	1
Styrene	ND		0.50		ppb v/v			03/19/21 11:58	1
t-Butyl alcohol	ND		2.0		ppb v/v			03/19/21 11:58	1
Tetrachloroethene	0.90		0.50		ppb v/v			03/19/21 11:58	1
Toluene	1.3		0.75		ppb v/v			03/19/21 11:58	1
trans-1,2-Dichloroethene	ND		0.50		ppb v/v			03/19/21 11:58	1
trans-1,3-Dichloropropene	ND		0.50		ppb v/v			03/19/21 11:58	1
Trichloroethene	1.3		0.23		ppb v/v			03/19/21 11:58	1
Trichlorofluoromethane	1.6		0.50		ppb v/v			03/19/21 11:58	1
Vinyl chloride	0.85		0.25		ppb v/v			03/19/21 11:58	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.7		ug/m3			03/19/21 11:58	1
1,1,2,2-Tetrachloroethane	ND		3.4		ug/m3			03/19/21 11:58	1
1,1,2-Trichloroethane	ND		2.7		ug/m3			03/19/21 11:58	1
1,1,2-Trichlorotrifluoroethane	ND		3.8		ug/m3			03/19/21 11:58	1
1,1-Dichloroethane	ND		2.0		ug/m3			03/19/21 11:58	1
1,1-Dichloroethene	ND		0.99		ug/m3			03/19/21 11:58	1
1,2,4-Trichlorobenzene	ND		3.7		ug/m3			03/19/21 11:58	1
1,2,4-Trimethylbenzene	28		2.5		ug/m3			03/19/21 11:58	1
1,2-Dibromoethane	ND		3.8		ug/m3			03/19/21 11:58	1
1,2-Dichlorobenzene	ND		3.0		ug/m3			03/19/21 11:58	1
1,2-Dichloroethane	2.6		2.0		ug/m3			03/19/21 11:58	1
1,2-Dichloropropane	ND		2.3		ug/m3			03/19/21 11:58	1
1,2-Dichlorotetrafluoroethane	ND		3.5		ug/m3			03/19/21 11:58	1
1,3,5-Trimethylbenzene	10		2.5		ug/m3			03/19/21 11:58	1
1,3-Dichlorobenzene	ND		3.0		ug/m3			03/19/21 11:58	1
1,4-Dichlorobenzene	ND		3.0		ug/m3			03/19/21 11:58	1
1,4-Dioxane	ND		4.5		ug/m3			03/19/21 11:58	1
2,2,4-Trimethylpentane	29		5.8		ug/m3			03/19/21 11:58	1
2-Butanone	9.6		5.9		ug/m3			03/19/21 11:58	1
4-Methyl-2-pentanone (MIBK)	ND		5.1		ug/m3			03/19/21 11:58	1
Benzene	ND		1.6		ug/m3			03/19/21 11:58	1

Client Sample Results

Client: New York State D.E.C.
 Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22279-1

Client Sample ID: 224121-SSA-91

Lab Sample ID: 140-22279-13

Date Collected: 03/11/21 08:22

Matrix: Air

Date Received: 03/12/21 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzyl chloride	ND		5.2		ug/m3			03/19/21 11:58	1
Bromodichloromethane	ND		3.4		ug/m3			03/19/21 11:58	1
Bromoform	ND		5.2		ug/m3			03/19/21 11:58	1
Bromomethane	ND		1.9		ug/m3			03/19/21 11:58	1
Carbon tetrachloride	ND		1.3		ug/m3			03/19/21 11:58	1
Chlorobenzene	ND		2.3		ug/m3			03/19/21 11:58	1
Chloroethane	2.1		1.3		ug/m3			03/19/21 11:58	1
Chloroform	ND		2.4		ug/m3			03/19/21 11:58	1
Chloromethane	ND		2.6		ug/m3			03/19/21 11:58	1
cis-1,2-Dichloroethene	ND		0.99		ug/m3			03/19/21 11:58	1
cis-1,3-Dichloropropene	ND		2.3		ug/m3			03/19/21 11:58	1
Cyclohexane	12	CI	4.3		ug/m3			03/19/21 11:58	1
Dibromochloromethane	ND		4.3		ug/m3			03/19/21 11:58	1
Dichlorodifluoromethane	4.0		2.5		ug/m3			03/19/21 11:58	1
Ethanol	ND	UJ	24		ug/m3			03/19/21 11:58	1
Ethylbenzene	2.4		2.2		ug/m3			03/19/21 11:58	1
Hexachlorobutadiene	ND		5.3		ug/m3			03/19/21 11:58	1
Hexane	ND		4.4		ug/m3			03/19/21 11:58	1
Methyl tert-butyl ether	ND		3.6		ug/m3			03/19/21 11:58	1
Methylene Chloride	8.6		8.7		ug/m3			03/19/21 11:58	1
m-Xylene & p-Xylene	11		2.2		ug/m3			03/19/21 11:58	1
Naphthalene	19		6.6		ug/m3			03/19/21 11:58	1
o-Xylene	4.4		2.2		ug/m3			03/19/21 11:58	1
Styrene	ND		2.1		ug/m3			03/19/21 11:58	1
t-Butyl alcohol	ND		6.1		ug/m3			03/19/21 11:58	1
Tetrachloroethene	6.1		3.4		ug/m3			03/19/21 11:58	1
Toluene	4.9		2.8		ug/m3			03/19/21 11:58	1
trans-1,2-Dichloroethene	ND		2.0		ug/m3			03/19/21 11:58	1
trans-1,3-Dichloropropene	ND		2.3		ug/m3			03/19/21 11:58	1
Trichloroethene	7.3		1.2		ug/m3			03/19/21 11:58	1
Trichlorofluoromethane	8.9		2.8		ug/m3			03/19/21 11:58	1
Vinyl chloride	2.2		0.64		ug/m3			03/19/21 11:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		60 - 140		03/19/21 11:58	1

Client Sample ID: 224121-IAA-91

Lab Sample ID: 140-22279-14

Date Collected: 03/11/21 08:21

Matrix: Air

Date Received: 03/12/21 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.0		ppb v/v			03/18/21 15:20	1
1,1,2,2-Tetrachloroethane	ND		4.0		ppb v/v			03/18/21 15:20	1
1,1,2-Trichloroethane	ND		4.0		ppb v/v			03/18/21 15:20	1
1,1,2-Trichlorotrifluoroethane	ND		4.0		ppb v/v			03/18/21 15:20	1
1,1-Dichloroethane	ND		4.0		ppb v/v			03/18/21 15:20	1
1,1-Dichloroethene	ND		2.0		ppb v/v			03/18/21 15:20	1

Eurofins TestAmerica, Knoxville

ALH 4/7/21

Client Sample Results

Client: New York State D.E.C.
 Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22279-1

Client Sample ID: 224121-IAA-91

Lab Sample ID: 140-22279-14

Date Collected: 03/11/21 08:21

Matrix: Air

Date Received: 03/12/21 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		4.0		ppb v/v			03/18/21 15:20	1
1,2,4-Trimethylbenzene	ND		4.0		ppb v/v			03/18/21 15:20	1
1,2-Dibromoethane	ND		4.0		ppb v/v			03/18/21 15:20	1
1,2-Dichlorobenzene	ND		4.0		ppb v/v			03/18/21 15:20	1
1,2-Dichloroethane	ND		4.0		ppb v/v			03/18/21 15:20	1
1,2-Dichloropropane	ND		4.0		ppb v/v			03/18/21 15:20	1
1,2-Dichlorotetrafluoroethane	ND	*+	4.0		ppb v/v			03/18/21 15:20	1
1,3,5-Trimethylbenzene	ND		4.0		ppb v/v			03/18/21 15:20	1
1,3-Dichlorobenzene	ND		4.0		ppb v/v			03/18/21 15:20	1
1,4-Dichlorobenzene	ND		4.0		ppb v/v			03/18/21 15:20	1
1,4-Dioxane	ND		10		ppb v/v			03/18/21 15:20	1
2,2,4-Trimethylpentane	190		10		ppb v/v			03/18/21 15:20	1
2-Butanone	ND		16		ppb v/v			03/18/21 15:20	1
4-Methyl-2-pentanone (MIBK)	ND		10		ppb v/v			03/18/21 15:20	1
Benzene	ND		4.0		ppb v/v			03/18/21 15:20	1
Benzyl chloride	ND		8.0		ppb v/v			03/18/21 15:20	1
Bromodichloromethane	ND		4.0		ppb v/v			03/18/21 15:20	1
Bromoform	ND		4.0		ppb v/v			03/18/21 15:20	1
Bromomethane	ND	*+	4.0		ppb v/v			03/18/21 15:20	1
Carbon tetrachloride	ND		1.6		ppb v/v			03/18/21 15:20	1
Chlorobenzene	ND		4.0		ppb v/v			03/18/21 15:20	1
Chloroethane	ND		4.0		ppb v/v			03/18/21 15:20	1
Chloroform	ND		4.0		ppb v/v			03/18/21 15:20	1
Chloromethane	ND		10		ppb v/v			03/18/21 15:20	1
cis-1,2-Dichloroethene	ND		2.0		ppb v/v			03/18/21 15:20	1
cis-1,3-Dichloropropene	ND		4.0		ppb v/v			03/18/21 15:20	1
Cyclohexane	ND		10		ppb v/v			03/18/21 15:20	1
Dibromochloromethane	ND		4.0		ppb v/v			03/18/21 15:20	1
Dichlorodifluoromethane	ND		4.0		ppb v/v			03/18/21 15:20	1
Ethanol	310		100		ppb v/v			03/18/21 15:20	1
Ethylbenzene	ND		4.0		ppb v/v			03/18/21 15:20	1
Hexachlorobutadiene	ND	*+	4.0		ppb v/v			03/18/21 15:20	1
Hexane	ND		10		ppb v/v			03/18/21 15:20	1
Methyl tert-butyl ether	ND		8.0		ppb v/v			03/18/21 15:20	1
Methylene Chloride	ND		20		ppb v/v			03/18/21 15:20	1
m-Xylene & p-Xylene	ND		4.0		ppb v/v			03/18/21 15:20	1
Naphthalene	ND	*+	10		ppb v/v			03/18/21 15:20	1
o-Xylene	ND		4.0		ppb v/v			03/18/21 15:20	1
Styrene	ND		4.0		ppb v/v			03/18/21 15:20	1
t-Butyl alcohol	ND		16		ppb v/v			03/18/21 15:20	1
Tetrachloroethene	ND		4.0		ppb v/v			03/18/21 15:20	1
Toluene	ND		6.0		ppb v/v			03/18/21 15:20	1
trans-1,2-Dichloroethene	ND		4.0		ppb v/v			03/18/21 15:20	1
trans-1,3-Dichloropropene	ND		4.0		ppb v/v			03/18/21 15:20	1
Trichloroethene	ND		1.8		ppb v/v			03/18/21 15:20	1
Trichlorofluoromethane	ND		4.0		ppb v/v			03/18/21 15:20	1
Vinyl chloride	ND		2.0		ppb v/v			03/18/21 15:20	1

Client Sample Results

Client: New York State D.E.C.
 Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22279-1

Client Sample ID: 224121-IAA-91

Lab Sample ID: 140-22279-14

Date Collected: 03/11/21 08:21

Matrix: Air

Date Received: 03/12/21 09:50

Sample Container: Summa Canister 6L

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		22		ug/m3			03/18/21 15:20	1
1,1,2,2-Tetrachloroethane	ND		27		ug/m3			03/18/21 15:20	1
1,1,2-Trichloroethane	ND		22		ug/m3			03/18/21 15:20	1
1,1,2-Trichlorotrifluoroethane	ND		31		ug/m3			03/18/21 15:20	1
1,1-Dichloroethane	ND		16		ug/m3			03/18/21 15:20	1
1,1-Dichloroethene	ND		7.9		ug/m3			03/18/21 15:20	1
1,2,4-Trichlorobenzene	ND		30		ug/m3			03/18/21 15:20	1
1,2,4-Trimethylbenzene	ND		20		ug/m3			03/18/21 15:20	1
1,2-Dibromoethane	ND		31		ug/m3			03/18/21 15:20	1
1,2-Dichlorobenzene	ND		24		ug/m3			03/18/21 15:20	1
1,2-Dichloroethane	ND		16		ug/m3			03/18/21 15:20	1
1,2-Dichloropropane	ND		18		ug/m3			03/18/21 15:20	1
1,2-Dichlorotetrafluoroethane	ND	*+ UJ	28		ug/m3			03/18/21 15:20	1
1,3,5-Trimethylbenzene	ND		20		ug/m3			03/18/21 15:20	1
1,3-Dichlorobenzene	ND		24		ug/m3			03/18/21 15:20	1
1,4-Dichlorobenzene	ND		24		ug/m3			03/18/21 15:20	1
1,4-Dioxane	ND		36		ug/m3			03/18/21 15:20	1
2,2,4-Trimethylpentane	890		47		ug/m3			03/18/21 15:20	1
2-Butanone	ND		47		ug/m3			03/18/21 15:20	1
4-Methyl-2-pentanone (MIBK)	ND		41		ug/m3			03/18/21 15:20	1
Benzene	ND		13		ug/m3			03/18/21 15:20	1
Benzyl chloride	ND		41		ug/m3			03/18/21 15:20	1
Bromodichloromethane	ND		27		ug/m3			03/18/21 15:20	1
Bromoform	ND		41		ug/m3			03/18/21 15:20	1
Bromomethane	ND	*+ UJ	16		ug/m3			03/18/21 15:20	1
Carbon tetrachloride	ND		10		ug/m3			03/18/21 15:20	1
Chlorobenzene	ND		18		ug/m3			03/18/21 15:20	1
Chloroethane	ND		11		ug/m3			03/18/21 15:20	1
Chloroform	ND		20		ug/m3			03/18/21 15:20	1
Chloromethane	ND		21		ug/m3			03/18/21 15:20	1
cis-1,2-Dichloroethene	ND		7.9		ug/m3			03/18/21 15:20	1
cis-1,3-Dichloropropene	ND		18		ug/m3			03/18/21 15:20	1
Cyclohexane	ND		34		ug/m3			03/18/21 15:20	1
Dibromochloromethane	ND		34		ug/m3			03/18/21 15:20	1
Dichlorodifluoromethane	ND		20		ug/m3			03/18/21 15:20	1
Ethanol	580	J	190		ug/m3			03/18/21 15:20	1
Ethylbenzene	ND		17		ug/m3			03/18/21 15:20	1
Hexachlorobutadiene	ND	*+ UJ	43		ug/m3			03/18/21 15:20	1
Hexane	ND		35		ug/m3			03/18/21 15:20	1
Methyl tert-butyl ether	ND		29		ug/m3			03/18/21 15:20	1
Methylene Chloride	ND		69		ug/m3			03/18/21 15:20	1
m-Xylene & p-Xylene	ND		17		ug/m3			03/18/21 15:20	1
Naphthalene	ND	*+UJ	52		ug/m3			03/18/21 15:20	1
o-Xylene	ND		17		ug/m3			03/18/21 15:20	1
Styrene	ND		17		ug/m3			03/18/21 15:20	1
t-Butyl alcohol	ND		49		ug/m3			03/18/21 15:20	1
Tetrachloroethene	ND		27		ug/m3			03/18/21 15:20	1
Toluene	ND		23		ug/m3			03/18/21 15:20	1
trans-1,2-Dichloroethene	ND		16		ug/m3			03/18/21 15:20	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22279-1

Client Sample ID: 224121-IAA-91

Lab Sample ID: 140-22279-14

Date Collected: 03/11/21 08:21

Matrix: Air

Date Received: 03/12/21 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	ND		18		ug/m3			03/18/21 15:20	1
Trichloroethene	ND		9.7		ug/m3			03/18/21 15:20	1
Trichlorofluoromethane	ND		22		ug/m3			03/18/21 15:20	1
Vinyl chloride	ND		5.1		ug/m3			03/18/21 15:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		60 - 140					03/18/21 15:20	1

Client Sample ID: 224121-SSB-91

Lab Sample ID: 140-22279-15

Date Collected: 03/11/21 08:30

Matrix: Air

Date Received: 03/12/21 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.87		0.40		ppb v/v			03/20/21 02:25	1
1,1,2,2-Tetrachloroethane	ND		0.40		ppb v/v			03/20/21 02:25	1
1,1,2-Trichloroethane	ND		0.40		ppb v/v			03/20/21 02:25	1
1,1,2-Trichlorotrifluoroethane	ND		0.40		ppb v/v			03/20/21 02:25	1
1,1-Dichloroethane	ND		0.40		ppb v/v			03/20/21 02:25	1
1,1-Dichloroethene	ND		0.20		ppb v/v			03/20/21 02:25	1
1,2,4-Trichlorobenzene	ND		0.40		ppb v/v			03/20/21 02:25	1
1,2,4-Trimethylbenzene	0.80		0.40		ppb v/v			03/20/21 02:25	1
1,2-Dibromoethane	ND		0.40		ppb v/v			03/20/21 02:25	1
1,2-Dichlorobenzene	ND		0.40		ppb v/v			03/20/21 02:25	1
1,2-Dichloroethane	0.53		0.40		ppb v/v			03/20/21 02:25	1
1,2-Dichloropropane	ND		0.40		ppb v/v			03/20/21 02:25	1
1,2-Dichlorotetrafluoroethane	ND		0.40		ppb v/v			03/20/21 02:25	1
1,3,5-Trimethylbenzene	ND		0.40		ppb v/v			03/20/21 02:25	1
1,3-Dichlorobenzene	ND		0.40		ppb v/v			03/20/21 02:25	1
1,4-Dichlorobenzene	ND		0.40		ppb v/v			03/20/21 02:25	1
1,4-Dioxane	ND		1.0		ppb v/v			03/20/21 02:25	1
2,2,4-Trimethylpentane	3.6		1.0		ppb v/v			03/20/21 02:25	1
2-Butanone	4.0		1.6		ppb v/v			03/20/21 02:25	1
4-Methyl-2-pentanone (MIBK)	ND		1.0		ppb v/v			03/20/21 02:25	1
Benzene	ND		0.40		ppb v/v			03/20/21 02:25	1
Benzyl chloride	ND		0.80		ppb v/v			03/20/21 02:25	1
Bromodichloromethane	ND		0.40		ppb v/v			03/20/21 02:25	1
Bromoform	ND		0.40		ppb v/v			03/20/21 02:25	1
Bromomethane	ND		0.40		ppb v/v			03/20/21 02:25	1
Carbon tetrachloride	ND		0.16		ppb v/v			03/20/21 02:25	1
Chlorobenzene	ND		0.40		ppb v/v			03/20/21 02:25	1
Chloroethane	0.46		0.40		ppb v/v			03/20/21 02:25	1
Chloroform	2.8		0.40		ppb v/v			03/20/21 02:25	1
Chloromethane	ND		1.0		ppb v/v			03/20/21 02:25	1
cis-1,2-Dichloroethene	0.30		0.20		ppb v/v			03/20/21 02:25	1
cis-1,3-Dichloropropene	ND		0.40		ppb v/v			03/20/21 02:25	1
Cyclohexane	1.6	CI	1.0		ppb v/v			03/20/21 02:25	1
Dibromochloromethane	ND		0.40		ppb v/v			03/20/21 02:25	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22279-1

Client Sample ID: 224121-SSB-91

Lab Sample ID: 140-22279-15

Date Collected: 03/11/21 08:30

Matrix: Air

Date Received: 03/12/21 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	2.6		0.40		ppb v/v			03/20/21 02:25	1
Ethanol	ND		10		ppb v/v			03/20/21 02:25	1
Ethylbenzene	ND		0.40		ppb v/v			03/20/21 02:25	1
Hexachlorobutadiene	ND		0.40		ppb v/v			03/20/21 02:25	1
Hexane	1.3		1.0		ppb v/v			03/20/21 02:25	1
Methyl tert-butyl ether	ND		0.80		ppb v/v			03/20/21 02:25	1
Methylene Chloride	2.2		2.0		ppb v/v			03/20/21 02:25	1
m-Xylene & p-Xylene	0.53		0.40		ppb v/v			03/20/21 02:25	1
Naphthalene	ND		1.0		ppb v/v			03/20/21 02:25	1
o-Xylene	ND		0.40		ppb v/v			03/20/21 02:25	1
Styrene	ND		0.40		ppb v/v			03/20/21 02:25	1
t-Butyl alcohol	ND		1.6		ppb v/v			03/20/21 02:25	1
Tetrachloroethene	18		0.40		ppb v/v			03/20/21 02:25	1
Toluene	ND		0.60		ppb v/v			03/20/21 02:25	1
trans-1,2-Dichloroethene	0.42		0.40		ppb v/v			03/20/21 02:25	1
trans-1,3-Dichloropropene	ND		0.40		ppb v/v			03/20/21 02:25	1
Trichloroethene	6.6		0.18		ppb v/v			03/20/21 02:25	1
Trichlorofluoromethane	9.5		0.40		ppb v/v			03/20/21 02:25	1
Vinyl chloride	0.38		0.20		ppb v/v			03/20/21 02:25	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.8		2.2		ug/m3			03/20/21 02:25	1
1,1,2,2-Tetrachloroethane	ND		2.7		ug/m3			03/20/21 02:25	1
1,1,2-Trichloroethane	ND		2.2		ug/m3			03/20/21 02:25	1
1,1,2-Trichlorotrifluoroethane	ND		3.1		ug/m3			03/20/21 02:25	1
1,1-Dichloroethane	ND		1.6		ug/m3			03/20/21 02:25	1
1,1-Dichloroethene	ND		0.79		ug/m3			03/20/21 02:25	1
1,2,4-Trichlorobenzene	ND		3.0		ug/m3			03/20/21 02:25	1
1,2,4-Trimethylbenzene	3.9		2.0		ug/m3			03/20/21 02:25	1
1,2-Dibromoethane	ND		3.1		ug/m3			03/20/21 02:25	1
1,2-Dichlorobenzene	ND		2.4		ug/m3			03/20/21 02:25	1
1,2-Dichloroethane	2.1		1.6		ug/m3			03/20/21 02:25	1
1,2-Dichloropropane	ND		1.8		ug/m3			03/20/21 02:25	1
1,2-Dichlorotetrafluoroethane	ND		2.8		ug/m3			03/20/21 02:25	1
1,3,5-Trimethylbenzene	ND		2.0		ug/m3			03/20/21 02:25	1
1,3-Dichlorobenzene	ND		2.4		ug/m3			03/20/21 02:25	1
1,4-Dichlorobenzene	ND		2.4		ug/m3			03/20/21 02:25	1
1,4-Dioxane	ND		3.6		ug/m3			03/20/21 02:25	1
2,2,4-Trimethylpentane	17		4.7		ug/m3			03/20/21 02:25	1
2-Butanone	12		4.7		ug/m3			03/20/21 02:25	1
4-Methyl-2-pentanone (MIBK)	ND		4.1		ug/m3			03/20/21 02:25	1
Benzene	ND		1.3		ug/m3			03/20/21 02:25	1
Benzyl chloride	ND		4.1		ug/m3			03/20/21 02:25	1
Bromodichloromethane	ND		2.7		ug/m3			03/20/21 02:25	1
Bromoform	ND		4.1		ug/m3			03/20/21 02:25	1
Bromomethane	ND		1.6		ug/m3			03/20/21 02:25	1
Carbon tetrachloride	ND		1.0		ug/m3			03/20/21 02:25	1
Chlorobenzene	ND		1.8		ug/m3			03/20/21 02:25	1
Chloroethane	1.2		1.1		ug/m3			03/20/21 02:25	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22279-1

Client Sample ID: 224121-SSB-91

Lab Sample ID: 140-22279-15

Date Collected: 03/11/21 08:30

Matrix: Air

Date Received: 03/12/21 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	14		2.0		ug/m3			03/20/21 02:25	1
Chloromethane	ND		2.1		ug/m3			03/20/21 02:25	1
cis-1,2-Dichloroethene	1.2		0.79		ug/m3			03/20/21 02:25	1
cis-1,3-Dichloropropene	ND		1.8		ug/m3			03/20/21 02:25	1
Cyclohexane	5.3	CI	3.4		ug/m3			03/20/21 02:25	1
Dibromochloromethane	ND		3.4		ug/m3			03/20/21 02:25	1
Dichlorodifluoromethane	13		2.0		ug/m3			03/20/21 02:25	1
Ethanol	ND	UJ	19		ug/m3			03/20/21 02:25	1
Ethylbenzene	ND		1.7		ug/m3			03/20/21 02:25	1
Hexachlorobutadiene	ND		4.3		ug/m3			03/20/21 02:25	1
Hexane	4.5		3.5		ug/m3			03/20/21 02:25	1
Methyl tert-butyl ether	ND		2.9		ug/m3			03/20/21 02:25	1
Methylene Chloride	7.6		6.9		ug/m3			03/20/21 02:25	1
m-Xylene & p-Xylene	2.3		1.7		ug/m3			03/20/21 02:25	1
Naphthalene	ND		5.2		ug/m3			03/20/21 02:25	1
o-Xylene	ND		1.7		ug/m3			03/20/21 02:25	1
Styrene	ND		1.7		ug/m3			03/20/21 02:25	1
t-Butyl alcohol	ND		4.9		ug/m3			03/20/21 02:25	1
Tetrachloroethene	120		2.7		ug/m3			03/20/21 02:25	1
Toluene	ND		2.3		ug/m3			03/20/21 02:25	1
trans-1,2-Dichloroethene	1.7		1.6		ug/m3			03/20/21 02:25	1
trans-1,3-Dichloropropene	ND		1.8		ug/m3			03/20/21 02:25	1
Trichloroethene	35		0.97		ug/m3			03/20/21 02:25	1
Trichlorofluoromethane	53		2.2		ug/m3			03/20/21 02:25	1
Vinyl chloride	0.97		0.51		ug/m3			03/20/21 02:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		60 - 140		03/20/21 02:25	1

Client Sample ID: 224121-IAB-91

Lab Sample ID: 140-22279-16

Date Collected: 03/11/21 08:29

Matrix: Air

Date Received: 03/12/21 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.7		ppb v/v			03/20/21 03:11	1
1,1,2,2-Tetrachloroethane	ND		2.7		ppb v/v			03/20/21 03:11	1
1,1,2-Trichloroethane	ND		2.7		ppb v/v			03/20/21 03:11	1
1,1,2-Trichlorotrifluoroethane	ND		2.7		ppb v/v			03/20/21 03:11	1
1,1-Dichloroethane	ND		2.7		ppb v/v			03/20/21 03:11	1
1,1-Dichloroethene	ND		1.3		ppb v/v			03/20/21 03:11	1
1,2,4-Trichlorobenzene	ND		2.7		ppb v/v			03/20/21 03:11	1
1,2,4-Trimethylbenzene	2.9		2.7		ppb v/v			03/20/21 03:11	1
1,2-Dibromoethane	ND		2.7		ppb v/v			03/20/21 03:11	1
1,2-Dichlorobenzene	ND		2.7		ppb v/v			03/20/21 03:11	1
1,2-Dichloroethane	ND		2.7		ppb v/v			03/20/21 03:11	1
1,2-Dichloropropane	ND		2.7		ppb v/v			03/20/21 03:11	1
1,2-Dichlorotetrafluoroethane	ND		2.7		ppb v/v			03/20/21 03:11	1

Eurofins TestAmerica, Knoxville

ALH 4/7/21

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22279-1

Client Sample ID: 224121-IAB-91

Lab Sample ID: 140-22279-16

Date Collected: 03/11/21 08:29

Matrix: Air

Date Received: 03/12/21 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trimethylbenzene	ND		2.7		ppb v/v			03/20/21 03:11	1
1,3-Dichlorobenzene	ND		2.7		ppb v/v			03/20/21 03:11	1
1,4-Dichlorobenzene	ND		2.7		ppb v/v			03/20/21 03:11	1
1,4-Dioxane	ND		6.7		ppb v/v			03/20/21 03:11	1
2,2,4-Trimethylpentane	260		6.7		ppb v/v			03/20/21 03:11	1
2-Butanone	12		11		ppb v/v			03/20/21 03:11	1
4-Methyl-2-pentanone (MIBK)	ND		6.7		ppb v/v			03/20/21 03:11	1
Benzene	ND		2.7		ppb v/v			03/20/21 03:11	1
Benzyl chloride	ND		5.3		ppb v/v			03/20/21 03:11	1
Bromodichloromethane	ND		2.7		ppb v/v			03/20/21 03:11	1
Bromoform	ND		2.7		ppb v/v			03/20/21 03:11	1
Bromomethane	ND		2.7		ppb v/v			03/20/21 03:11	1
Carbon tetrachloride	ND		1.1		ppb v/v			03/20/21 03:11	1
Chlorobenzene	ND		2.7		ppb v/v			03/20/21 03:11	1
Chloroethane	ND		2.7		ppb v/v			03/20/21 03:11	1
Chloroform	ND		2.7		ppb v/v			03/20/21 03:11	1
Chloromethane	ND		6.7		ppb v/v			03/20/21 03:11	1
cis-1,2-Dichloroethene	ND		1.3		ppb v/v			03/20/21 03:11	1
cis-1,3-Dichloropropene	ND		2.7		ppb v/v			03/20/21 03:11	1
Cyclohexane	ND		6.7		ppb v/v			03/20/21 03:11	1
Dibromochloromethane	ND		2.7		ppb v/v			03/20/21 03:11	1
Dichlorodifluoromethane	ND		2.7		ppb v/v			03/20/21 03:11	1
Ethanol	410		67		ppb v/v			03/20/21 03:11	1
Ethylbenzene	ND		2.7		ppb v/v			03/20/21 03:11	1
Hexachlorobutadiene	ND		2.7		ppb v/v			03/20/21 03:11	1
Hexane	ND		6.7		ppb v/v			03/20/21 03:11	1
Methyl tert-butyl ether	ND		5.3		ppb v/v			03/20/21 03:11	1
Methylene Chloride	ND		13		ppb v/v			03/20/21 03:11	1
m-Xylene & p-Xylene	5.1		2.7		ppb v/v			03/20/21 03:11	1
Naphthalene	ND		6.7		ppb v/v			03/20/21 03:11	1
o-Xylene	ND		2.7		ppb v/v			03/20/21 03:11	1
Styrene	ND		2.7		ppb v/v			03/20/21 03:11	1
t-Butyl alcohol	ND		11		ppb v/v			03/20/21 03:11	1
Tetrachloroethene	ND		2.7		ppb v/v			03/20/21 03:11	1
Toluene	4.7		4.0		ppb v/v			03/20/21 03:11	1
trans-1,2-Dichloroethene	ND		2.7		ppb v/v			03/20/21 03:11	1
trans-1,3-Dichloropropene	ND		2.7		ppb v/v			03/20/21 03:11	1
Trichloroethene	ND		1.2		ppb v/v			03/20/21 03:11	1
Trichlorofluoromethane	ND		2.7		ppb v/v			03/20/21 03:11	1
Vinyl chloride	ND		1.3		ppb v/v			03/20/21 03:11	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		15		ug/m3			03/20/21 03:11	1
1,1,2,2-Tetrachloroethane	ND		18		ug/m3			03/20/21 03:11	1
1,1,2-Trichloroethane	ND		15		ug/m3			03/20/21 03:11	1
1,1,2-Trichlorotrifluoroethane	ND		20		ug/m3			03/20/21 03:11	1
1,1-Dichloroethane	ND		11		ug/m3			03/20/21 03:11	1
1,1-Dichloroethene	ND		5.3		ug/m3			03/20/21 03:11	1
1,2,4-Trichlorobenzene	ND		20		ug/m3			03/20/21 03:11	1

Client Sample Results

Client: New York State D.E.C.
 Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22279-1

Client Sample ID: 224121-IAB-91

Lab Sample ID: 140-22279-16

Date Collected: 03/11/21 08:29

Matrix: Air

Date Received: 03/12/21 09:50

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	14		13		ug/m3			03/20/21 03:11	1
1,2-Dibromoethane	ND		20		ug/m3			03/20/21 03:11	1
1,2-Dichlorobenzene	ND		16		ug/m3			03/20/21 03:11	1
1,2-Dichloroethane	ND		11		ug/m3			03/20/21 03:11	1
1,2-Dichloropropane	ND		12		ug/m3			03/20/21 03:11	1
1,2-Dichlorotetrafluoroethane	ND		19		ug/m3			03/20/21 03:11	1
1,3,5-Trimethylbenzene	ND		13		ug/m3			03/20/21 03:11	1
1,3-Dichlorobenzene	ND		16		ug/m3			03/20/21 03:11	1
1,4-Dichlorobenzene	ND		16		ug/m3			03/20/21 03:11	1
1,4-Dioxane	ND		24		ug/m3			03/20/21 03:11	1
2,2,4-Trimethylpentane	1200		31		ug/m3			03/20/21 03:11	1
2-Butanone	36		31		ug/m3			03/20/21 03:11	1
4-Methyl-2-pentanone (MIBK)	ND		27		ug/m3			03/20/21 03:11	1
Benzene	ND		8.5		ug/m3			03/20/21 03:11	1
Benzyl chloride	ND		28		ug/m3			03/20/21 03:11	1
Bromodichloromethane	ND		18		ug/m3			03/20/21 03:11	1
Bromoform	ND		28		ug/m3			03/20/21 03:11	1
Bromomethane	ND		10		ug/m3			03/20/21 03:11	1
Carbon tetrachloride	ND		6.7		ug/m3			03/20/21 03:11	1
Chlorobenzene	ND		12		ug/m3			03/20/21 03:11	1
Chloroethane	ND		7.0		ug/m3			03/20/21 03:11	1
Chloroform	ND		13		ug/m3			03/20/21 03:11	1
Chloromethane	ND		14		ug/m3			03/20/21 03:11	1
cis-1,2-Dichloroethene	ND		5.3		ug/m3			03/20/21 03:11	1
cis-1,3-Dichloropropene	ND		12		ug/m3			03/20/21 03:11	1
Cyclohexane	ND		23		ug/m3			03/20/21 03:11	1
Dibromochloromethane	ND		23		ug/m3			03/20/21 03:11	1
Dichlorodifluoromethane	ND		13		ug/m3			03/20/21 03:11	1
Ethanol	770	J	130		ug/m3			03/20/21 03:11	1
Ethylbenzene	ND		12		ug/m3			03/20/21 03:11	1
Hexachlorobutadiene	ND		28		ug/m3			03/20/21 03:11	1
Hexane	ND		23		ug/m3			03/20/21 03:11	1
Methyl tert-butyl ether	ND		19		ug/m3			03/20/21 03:11	1
Methylene Chloride	ND		46		ug/m3			03/20/21 03:11	1
m-Xylene & p-Xylene	22		12		ug/m3			03/20/21 03:11	1
Naphthalene	ND		35		ug/m3			03/20/21 03:11	1
o-Xylene	ND		12		ug/m3			03/20/21 03:11	1
Styrene	ND		11		ug/m3			03/20/21 03:11	1
t-Butyl alcohol	ND		32		ug/m3			03/20/21 03:11	1
Tetrachloroethene	ND		18		ug/m3			03/20/21 03:11	1
Toluene	18		15		ug/m3			03/20/21 03:11	1
trans-1,2-Dichloroethene	ND		11		ug/m3			03/20/21 03:11	1
trans-1,3-Dichloropropene	ND		12		ug/m3			03/20/21 03:11	1
Trichloroethene	ND		6.4		ug/m3			03/20/21 03:11	1
Trichlorofluoromethane	ND		15		ug/m3			03/20/21 03:11	1
Vinyl chloride	ND		3.4		ug/m3			03/20/21 03:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		60 - 140		03/20/21 03:11	1

Eurofins TestAmerica, Knoxville

ALH 4/7/21

VALIDATA

Chemical Services, Inc.

2159 Wynnton Pointe, Duluth, GA 30097

(770) 232-0130

(770) 232-5082 (Fax)

www.datavalidator.com

DATA USABILITY SUMMARY REPORT

COMPANY: AECOM Technical Services Northeast, Inc.
PROJECT NAME: Meeker Ave. Plume Trackdown #224121
CONTRACTED LAB: Eurofins Test America, Knoxville
QA/QC LEVEL: DUSR
ANALYTICAL METHOD(S): EPA Method TO-15
VALIDATION GUIDELINES: USEPA Region II data validation SOP (VOA-TO15 HW-31 Rev.6), Professional Judgment
SAMPLE MATRIX: Air
TYPES OF ANALYSES: Volatile Organic Compounds (VOC)
DATA REVIEWER(S): Amy L. Hogan
SDG NUMBER: 140-22291-1
SAMPLING DATE(S): March 11-12, 2021

SAMPLES:

<u>Client Sample ID</u>	<u>Laboratory ID</u>	<u>VOC</u>
224121-OA-91	140-22291-1	X
224121-SS-92	140-22291-2	X
224121-IA-92	140-22291-3	X
224121-IA-92DL	140-22291-3DL	X
224121-OA-92	140-22291-4	X
224121-SS-93	140-22291-5	X
224121-IA-93	140-22291-6	X
224121-IA-93DL	140-22291-6DL	X
224121-SSA-95	140-22291-7	X
224121-IAA-95	140-22291-8	X
224121-SSB-95	140-22291-9	X
224121-IAB-95	140-22291-10	X
224121-SS-96	140-22291-11	X
224121-IA-96	140-22291-12	X
224121-SS-97	140-22291-13	X
224121-IA-97	140-22291-14	X
224121-OA-97	140-22291-15	X

Suffix Codes: DL= DILUTION, MS = MATRIX SPIKE,
MSD = MATRIX SPIKE DUPLICATE, RE = REANALYSIS

Qualifier	Definition
U	The analyte was not detected and was reported as less than the LOD or as defined by the customer. The LOD has been adjusted for any dilution or concentration of the sample.
J	The reported result was an estimated value with an unknown bias.
J+	The result was an estimated quantity, but the result may be biased high.
J-	The result was an estimated quantity, but the result may be biased low.
N	The analysis indicates the presence of an analyte for which there was presumptive evidence to make a "tentative identification."
NJ	The analyte has been "tentatively identified" or "presumptively" as present and the associated numerical value was the estimated concentration in the sample.
UJ	The analyte was not detected and was reported as less than the LOD or as defined by the customer. However, the associated numerical value is approximate.
X	The sample results (including non-detects) were affected by serious deficiencies in the ability to analyze the sample and to meet published method and project quality control criteria. The presence or absence of the analyte cannot be substantiated by the data provided. Acceptance or rejection of the data should be decided by the project team (which should include a project chemist), but exclusion of the data is recommended.

DATA USABILITY SUMMARY

Eurofins Test America, Knoxville – 140-22291-1

VOLATILE ORGANICS

SUMMARY

I.) General:

The analyses for Volatile Organics were performed per EPA Method TO-15.

II.) Overall Assessment of Data:

All laboratory data were acceptable with qualifications.

It was noted on the Chain of Custody that the samples were received without a custody seal.

III.) Holding Times:

All Holding Time criteria were met. No data qualification was necessary.

IV.) GC/MS Tuning:

All GC/MS Tuning criteria were met. No data qualification was necessary.

V.) Calibration:

Initial Calibration:

All Initial Calibration criteria were met. No data qualification was necessary.

Initial Calibration Verification:

All Initial Calibration Verification criteria were met. No data qualification was necessary.

Continuing Calibration:

The Percent Differences (%Ds) for the standards run on 3/18/21 at 09:10 on instrument MH exceeded the 30% QC limit for the following compounds:

1,2-dichlorotetrafluoroethane	98.4%
bromomethane	59.2%
ethanol	-34.8%

naphthalene	47.8%
hexachlorobutadiene	56.1%

The positive ethanol results for samples 224121-IA-92DL and 224121-IA-93DL were qualified as estimated (J). Since the other listed compounds were not target compounds for the associated samples, no further data qualification was necessary.

VI.) Blanks:

Method Blanks:

There were no detections in the method blanks for this SDG. No data qualification was necessary.

Canister Blanks:

There were no detects in the canister check blanks for this SDG. No data qualification was necessary.

VII.) Surrogate Recoveries:

All Surrogate Recovery criteria were met. No data qualification was necessary.

VIII.) Laboratory Control Samples (LCS):

Two LCS were analyzed by the laboratory for this SDG. All criteria were met. No data qualification was necessary.

IX.) Field Duplicates:

There were no field duplicate samples identified as part of this SDG. No data qualification was necessary.

XI.) TCL Compound Identification:

All TCL Compound Identification criteria were met. No data qualification was necessary.

XII.) Internal Standards Performance (ISTD):

All ISTD criteria were met. No data qualification was necessary.

XIII.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL):

The initial analysis ethanol results for sample 224121-IA-92 and 224121-IA-93 exceeded the linear calibration range. A dilution analysis was performed for each sample with all calibration criteria met. Based on the linear calibration range, the validator has determined that the dilution analysis results for ethanol for both samples were of preferable data quality to the initial analysis

results.

All other CRQL criteria were met.

Appendix A
Qualified Form Is

Client Sample Results

Client: New York State D.E.C.
 Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22291-1

Client Sample ID: 224121-OA-91

Lab Sample ID: 140-22291-1

Date Collected: 03/11/21 08:37

Matrix: Air

Date Received: 03/15/21 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.080		ppb v/v			03/17/21 14:55	1
1,1,2,2-Tetrachloroethane	ND		0.080		ppb v/v			03/17/21 14:55	1
1,1,2-Trichloroethane	ND		0.080		ppb v/v			03/17/21 14:55	1
1,1,2-Trichlorotrifluoroethane	ND		0.080		ppb v/v			03/17/21 14:55	1
1,1-Dichloroethane	ND		0.080		ppb v/v			03/17/21 14:55	1
1,1-Dichloroethene	ND		0.040		ppb v/v			03/17/21 14:55	1
1,2,4-Trichlorobenzene	ND		0.080		ppb v/v			03/17/21 14:55	1
1,2,4-Trimethylbenzene	0.53		0.080		ppb v/v			03/17/21 14:55	1
1,2-Dibromoethane	ND		0.080		ppb v/v			03/17/21 14:55	1
1,2-Dichlorobenzene	ND		0.080		ppb v/v			03/17/21 14:55	1
1,2-Dichloroethane	ND		0.080		ppb v/v			03/17/21 14:55	1
1,2-Dichloropropane	ND		0.080		ppb v/v			03/17/21 14:55	1
1,2-Dichlorotetrafluoroethane	ND		0.080		ppb v/v			03/17/21 14:55	1
1,3,5-Trimethylbenzene	0.15		0.080		ppb v/v			03/17/21 14:55	1
1,3-Dichlorobenzene	ND		0.080		ppb v/v			03/17/21 14:55	1
1,4-Dichlorobenzene	ND		0.080		ppb v/v			03/17/21 14:55	1
1,4-Dioxane	ND		0.20		ppb v/v			03/17/21 14:55	1
2,2,4-Trimethylpentane	16		0.20		ppb v/v			03/17/21 14:55	1
2-Butanone	1.2		0.32		ppb v/v			03/17/21 14:55	1
4-Methyl-2-pentanone (MIBK)	ND		0.20		ppb v/v			03/17/21 14:55	1
Benzene	0.82		0.080		ppb v/v			03/17/21 14:55	1
Benzyl chloride	ND		0.16		ppb v/v			03/17/21 14:55	1
Bromodichloromethane	ND		0.080		ppb v/v			03/17/21 14:55	1
Bromoform	ND		0.080		ppb v/v			03/17/21 14:55	1
Bromomethane	ND		0.080		ppb v/v			03/17/21 14:55	1
Carbon tetrachloride	0.088		0.032		ppb v/v			03/17/21 14:55	1
Chlorobenzene	ND		0.080		ppb v/v			03/17/21 14:55	1
Chloroethane	ND		0.080		ppb v/v			03/17/21 14:55	1
Chloroform	ND		0.080		ppb v/v			03/17/21 14:55	1
Chloromethane	0.59		0.20		ppb v/v			03/17/21 14:55	1
cis-1,2-Dichloroethene	ND		0.040		ppb v/v			03/17/21 14:55	1
cis-1,3-Dichloropropene	ND		0.080		ppb v/v			03/17/21 14:55	1
Cyclohexane	0.90		0.20		ppb v/v			03/17/21 14:55	1
Dibromochloromethane	ND		0.080		ppb v/v			03/17/21 14:55	1
Dichlorodifluoromethane	0.16		0.080		ppb v/v			03/17/21 14:55	1
Ethanol	55		2.0		ppb v/v			03/17/21 14:55	1
Ethylbenzene	0.42		0.080		ppb v/v			03/17/21 14:55	1
Hexachlorobutadiene	ND		0.080		ppb v/v			03/17/21 14:55	1
Hexane	2.1		0.20		ppb v/v			03/17/21 14:55	1
Methyl tert-butyl ether	ND		0.16		ppb v/v			03/17/21 14:55	1
Methylene Chloride	0.87		0.40		ppb v/v			03/17/21 14:55	1
m-Xylene & p-Xylene	1.5		0.080		ppb v/v			03/17/21 14:55	1
Naphthalene	ND		0.20		ppb v/v			03/17/21 14:55	1
o-Xylene	0.52		0.080		ppb v/v			03/17/21 14:55	1
Styrene	0.092		0.080		ppb v/v			03/17/21 14:55	1
t-Butyl alcohol	ND		0.32		ppb v/v			03/17/21 14:55	1
Tetrachloroethene	0.26		0.080		ppb v/v			03/17/21 14:55	1
Toluene	2.7		0.12		ppb v/v			03/17/21 14:55	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22291-1

Client Sample ID: 224121-OA-91

Lab Sample ID: 140-22291-1

Date Collected: 03/11/21 08:37

Matrix: Air

Date Received: 03/15/21 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		0.080		ppb v/v			03/17/21 14:55	1
trans-1,3-Dichloropropene	ND		0.080		ppb v/v			03/17/21 14:55	1
Trichloroethene	ND		0.036		ppb v/v			03/17/21 14:55	1
Trichlorofluoromethane	0.26		0.080		ppb v/v			03/17/21 14:55	1
Vinyl chloride	ND		0.040		ppb v/v			03/17/21 14:55	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.44		ug/m3			03/17/21 14:55	1
1,1,2,2-Tetrachloroethane	ND		0.55		ug/m3			03/17/21 14:55	1
1,1,2-Trichloroethane	ND		0.44		ug/m3			03/17/21 14:55	1
1,1,2-Trichlorotrifluoroethane	ND		0.61		ug/m3			03/17/21 14:55	1
1,1-Dichloroethane	ND		0.32		ug/m3			03/17/21 14:55	1
1,1-Dichloroethene	ND		0.16		ug/m3			03/17/21 14:55	1
1,2,4-Trichlorobenzene	ND		0.59		ug/m3			03/17/21 14:55	1
1,2,4-Trimethylbenzene	2.6		0.39		ug/m3			03/17/21 14:55	1
1,2-Dibromoethane	ND		0.61		ug/m3			03/17/21 14:55	1
1,2-Dichlorobenzene	ND		0.48		ug/m3			03/17/21 14:55	1
1,2-Dichloroethane	ND		0.32		ug/m3			03/17/21 14:55	1
1,2-Dichloropropane	ND		0.37		ug/m3			03/17/21 14:55	1
1,2-Dichlorotetrafluoroethane	ND		0.56		ug/m3			03/17/21 14:55	1
1,3,5-Trimethylbenzene	0.74		0.39		ug/m3			03/17/21 14:55	1
1,3-Dichlorobenzene	ND		0.48		ug/m3			03/17/21 14:55	1
1,4-Dichlorobenzene	ND		0.48		ug/m3			03/17/21 14:55	1
1,4-Dioxane	ND		0.72		ug/m3			03/17/21 14:55	1
2,2,4-Trimethylpentane	74		0.93		ug/m3			03/17/21 14:55	1
2-Butanone	3.5		0.94		ug/m3			03/17/21 14:55	1
4-Methyl-2-pentanone (MIBK)	ND		0.82		ug/m3			03/17/21 14:55	1
Benzene	2.6		0.26		ug/m3			03/17/21 14:55	1
Benzyl chloride	ND		0.83		ug/m3			03/17/21 14:55	1
Bromodichloromethane	ND		0.54		ug/m3			03/17/21 14:55	1
Bromoform	ND		0.83		ug/m3			03/17/21 14:55	1
Bromomethane	ND		0.31		ug/m3			03/17/21 14:55	1
Carbon tetrachloride	0.55		0.20		ug/m3			03/17/21 14:55	1
Chlorobenzene	ND		0.37		ug/m3			03/17/21 14:55	1
Chloroethane	ND		0.21		ug/m3			03/17/21 14:55	1
Chloroform	ND		0.39		ug/m3			03/17/21 14:55	1
Chloromethane	1.2		0.41		ug/m3			03/17/21 14:55	1
cis-1,2-Dichloroethene	ND		0.16		ug/m3			03/17/21 14:55	1
cis-1,3-Dichloropropene	ND		0.36		ug/m3			03/17/21 14:55	1
Cyclohexane	3.1		0.69		ug/m3			03/17/21 14:55	1
Dibromochloromethane	ND		0.68		ug/m3			03/17/21 14:55	1
Dichlorodifluoromethane	0.78		0.40		ug/m3			03/17/21 14:55	1
Ethanol	100		3.8		ug/m3			03/17/21 14:55	1
Ethylbenzene	1.8		0.35		ug/m3			03/17/21 14:55	1
Hexachlorobutadiene	ND		0.85		ug/m3			03/17/21 14:55	1
Hexane	7.4		0.70		ug/m3			03/17/21 14:55	1
Methyl tert-butyl ether	ND		0.58		ug/m3			03/17/21 14:55	1
Methylene Chloride	3.0		1.4		ug/m3			03/17/21 14:55	1
m-Xylene & p-Xylene	6.4		0.35		ug/m3			03/17/21 14:55	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22291-1

Client Sample ID: 224121-OA-91

Lab Sample ID: 140-22291-1

Date Collected: 03/11/21 08:37

Matrix: Air

Date Received: 03/15/21 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		1.0		ug/m3			03/17/21 14:55	1
o-Xylene	2.3		0.35		ug/m3			03/17/21 14:55	1
Styrene	0.39		0.34		ug/m3			03/17/21 14:55	1
t-Butyl alcohol	ND		0.97		ug/m3			03/17/21 14:55	1
Tetrachloroethene	1.8		0.54		ug/m3			03/17/21 14:55	1
Toluene	10		0.45		ug/m3			03/17/21 14:55	1
trans-1,2-Dichloroethene	ND		0.32		ug/m3			03/17/21 14:55	1
trans-1,3-Dichloropropene	ND		0.36		ug/m3			03/17/21 14:55	1
Trichloroethene	ND		0.19		ug/m3			03/17/21 14:55	1
Trichlorofluoromethane	1.5		0.45		ug/m3			03/17/21 14:55	1
Vinyl chloride	ND		0.10		ug/m3			03/17/21 14:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		60 - 140		03/17/21 14:55	1

Client Sample ID: 224121-SS-92

Lab Sample ID: 140-22291-2

Date Collected: 03/11/21 09:21

Matrix: Air

Date Received: 03/15/21 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.080		ppb v/v			03/17/21 17:33	1
1,1,2,2-Tetrachloroethane	ND		0.080		ppb v/v			03/17/21 17:33	1
1,1,2-Trichloroethane	ND		0.080		ppb v/v			03/17/21 17:33	1
1,1,2-Trichlorotrifluoroethane	ND		0.080		ppb v/v			03/17/21 17:33	1
1,1-Dichloroethane	0.66		0.080		ppb v/v			03/17/21 17:33	1
1,1-Dichloroethene	ND		0.040		ppb v/v			03/17/21 17:33	1
1,2,4-Trichlorobenzene	ND		0.080		ppb v/v			03/17/21 17:33	1
1,2,4-Trimethylbenzene	ND		0.080		ppb v/v			03/17/21 17:33	1
1,2-Dibromoethane	ND		0.080		ppb v/v			03/17/21 17:33	1
1,2-Dichlorobenzene	ND		0.080		ppb v/v			03/17/21 17:33	1
1,2-Dichloroethane	1.5		0.080		ppb v/v			03/17/21 17:33	1
1,2-Dichloropropane	ND		0.080		ppb v/v			03/17/21 17:33	1
1,2-Dichlorotetrafluoroethane	ND		0.080		ppb v/v			03/17/21 17:33	1
1,3,5-Trimethylbenzene	ND		0.080		ppb v/v			03/17/21 17:33	1
1,3-Dichlorobenzene	ND		0.080		ppb v/v			03/17/21 17:33	1
1,4-Dichlorobenzene	ND		0.080		ppb v/v			03/17/21 17:33	1
1,4-Dioxane	ND		0.20		ppb v/v			03/17/21 17:33	1
2,2,4-Trimethylpentane	0.68		0.20		ppb v/v			03/17/21 17:33	1
2-Butanone	0.64		0.32		ppb v/v			03/17/21 17:33	1
4-Methyl-2-pentanone (MIBK)	ND		0.20		ppb v/v			03/17/21 17:33	1
Benzene	0.28		0.080		ppb v/v			03/17/21 17:33	1
Benzyl chloride	ND		0.16		ppb v/v			03/17/21 17:33	1
Bromodichloromethane	ND		0.080		ppb v/v			03/17/21 17:33	1
Bromoform	ND		0.080		ppb v/v			03/17/21 17:33	1
Bromomethane	ND		0.080		ppb v/v			03/17/21 17:33	1
Carbon tetrachloride	0.066		0.032		ppb v/v			03/17/21 17:33	1
Chlorobenzene	ND		0.080		ppb v/v			03/17/21 17:33	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22291-1

Client Sample ID: 224121-SS-92

Lab Sample ID: 140-22291-2

Date Collected: 03/11/21 09:21

Matrix: Air

Date Received: 03/15/21 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	1.4		0.080		ppb v/v			03/17/21 17:33	1
Chloroform	0.13		0.080		ppb v/v			03/17/21 17:33	1
Chloromethane	ND		0.20		ppb v/v			03/17/21 17:33	1
cis-1,2-Dichloroethene	ND		0.040		ppb v/v			03/17/21 17:33	1
cis-1,3-Dichloropropene	ND		0.080		ppb v/v			03/17/21 17:33	1
Cyclohexane	1.0	CI	0.20		ppb v/v			03/17/21 17:33	1
Dibromochloromethane	ND		0.080		ppb v/v			03/17/21 17:33	1
Dichlorodifluoromethane	0.18		0.080		ppb v/v			03/17/21 17:33	1
Ethanol	4.1		2.0		ppb v/v			03/17/21 17:33	1
Ethylbenzene	0.11		0.080		ppb v/v			03/17/21 17:33	1
Hexachlorobutadiene	ND		0.080		ppb v/v			03/17/21 17:33	1
Hexane	9.5		0.20		ppb v/v			03/17/21 17:33	1
Methyl tert-butyl ether	ND		0.16		ppb v/v			03/17/21 17:33	1
Methylene Chloride	1.8		0.40		ppb v/v			03/17/21 17:33	1
m-Xylene & p-Xylene	0.27		0.080		ppb v/v			03/17/21 17:33	1
Naphthalene	ND		0.20		ppb v/v			03/17/21 17:33	1
o-Xylene	0.12		0.080		ppb v/v			03/17/21 17:33	1
Styrene	ND		0.080		ppb v/v			03/17/21 17:33	1
t-Butyl alcohol	0.34		0.32		ppb v/v			03/17/21 17:33	1
Tetrachloroethene	0.40		0.080		ppb v/v			03/17/21 17:33	1
Toluene	0.44		0.12		ppb v/v			03/17/21 17:33	1
trans-1,2-Dichloroethene	ND		0.080		ppb v/v			03/17/21 17:33	1
trans-1,3-Dichloropropene	ND		0.080		ppb v/v			03/17/21 17:33	1
Trichloroethene	ND		0.036		ppb v/v			03/17/21 17:33	1
Trichlorofluoromethane	0.22		0.080		ppb v/v			03/17/21 17:33	1
Vinyl chloride	1.0		0.040		ppb v/v			03/17/21 17:33	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.44		ug/m3			03/17/21 17:33	1
1,1,2,2-Tetrachloroethane	ND		0.55		ug/m3			03/17/21 17:33	1
1,1,2-Trichloroethane	ND		0.44		ug/m3			03/17/21 17:33	1
1,1,2-Trichlorotrifluoroethane	ND		0.61		ug/m3			03/17/21 17:33	1
1,1-Dichloroethane	2.7		0.32		ug/m3			03/17/21 17:33	1
1,1-Dichloroethene	ND		0.16		ug/m3			03/17/21 17:33	1
1,2,4-Trichlorobenzene	ND		0.59		ug/m3			03/17/21 17:33	1
1,2,4-Trimethylbenzene	ND		0.39		ug/m3			03/17/21 17:33	1
1,2-Dibromoethane	ND		0.61		ug/m3			03/17/21 17:33	1
1,2-Dichlorobenzene	ND		0.48		ug/m3			03/17/21 17:33	1
1,2-Dichloroethane	6.2		0.32		ug/m3			03/17/21 17:33	1
1,2-Dichloropropane	ND		0.37		ug/m3			03/17/21 17:33	1
1,2-Dichlorotetrafluoroethane	ND		0.56		ug/m3			03/17/21 17:33	1
1,3,5-Trimethylbenzene	ND		0.39		ug/m3			03/17/21 17:33	1
1,3-Dichlorobenzene	ND		0.48		ug/m3			03/17/21 17:33	1
1,4-Dichlorobenzene	ND		0.48		ug/m3			03/17/21 17:33	1
1,4-Dioxane	ND		0.72		ug/m3			03/17/21 17:33	1
2,2,4-Trimethylpentane	3.2		0.93		ug/m3			03/17/21 17:33	1
2-Butanone	1.9		0.94		ug/m3			03/17/21 17:33	1
4-Methyl-2-pentanone (MIBK)	ND		0.82		ug/m3			03/17/21 17:33	1
Benzene	0.88		0.26		ug/m3			03/17/21 17:33	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22291-1

Client Sample ID: 224121-SS-92

Lab Sample ID: 140-22291-2

Date Collected: 03/11/21 09:21

Matrix: Air

Date Received: 03/15/21 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzyl chloride	ND		0.83		ug/m3			03/17/21 17:33	1
Bromodichloromethane	ND		0.54		ug/m3			03/17/21 17:33	1
Bromoform	ND		0.83		ug/m3			03/17/21 17:33	1
Bromomethane	ND		0.31		ug/m3			03/17/21 17:33	1
Carbon tetrachloride	0.41		0.20		ug/m3			03/17/21 17:33	1
Chlorobenzene	ND		0.37		ug/m3			03/17/21 17:33	1
Chloroethane	3.6		0.21		ug/m3			03/17/21 17:33	1
Chloroform	0.62		0.39		ug/m3			03/17/21 17:33	1
Chloromethane	ND		0.41		ug/m3			03/17/21 17:33	1
cis-1,2-Dichloroethene	ND		0.16		ug/m3			03/17/21 17:33	1
cis-1,3-Dichloropropene	ND		0.36		ug/m3			03/17/21 17:33	1
Cyclohexane	3.6	Cl	0.69		ug/m3			03/17/21 17:33	1
Dibromochloromethane	ND		0.68		ug/m3			03/17/21 17:33	1
Dichlorodifluoromethane	0.90		0.40		ug/m3			03/17/21 17:33	1
Ethanol	7.7		3.8		ug/m3			03/17/21 17:33	1
Ethylbenzene	0.48		0.35		ug/m3			03/17/21 17:33	1
Hexachlorobutadiene	ND		0.85		ug/m3			03/17/21 17:33	1
Hexane	34		0.70		ug/m3			03/17/21 17:33	1
Methyl tert-butyl ether	ND		0.58		ug/m3			03/17/21 17:33	1
Methylene Chloride	6.2		1.4		ug/m3			03/17/21 17:33	1
m-Xylene & p-Xylene	1.2		0.35		ug/m3			03/17/21 17:33	1
Naphthalene	ND		1.0		ug/m3			03/17/21 17:33	1
o-Xylene	0.51		0.35		ug/m3			03/17/21 17:33	1
Styrene	ND		0.34		ug/m3			03/17/21 17:33	1
t-Butyl alcohol	1.0		0.97		ug/m3			03/17/21 17:33	1
Tetrachloroethene	2.7		0.54		ug/m3			03/17/21 17:33	1
Toluene	1.7		0.45		ug/m3			03/17/21 17:33	1
trans-1,2-Dichloroethene	ND		0.32		ug/m3			03/17/21 17:33	1
trans-1,3-Dichloropropene	ND		0.36		ug/m3			03/17/21 17:33	1
Trichloroethene	ND		0.19		ug/m3			03/17/21 17:33	1
Trichlorofluoromethane	1.3		0.45		ug/m3			03/17/21 17:33	1
Vinyl chloride	2.6		0.10		ug/m3			03/17/21 17:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		60 - 140		03/17/21 17:33	1

Client Sample ID: 224121-IA-92

Lab Sample ID: 140-22291-3

Date Collected: 03/11/21 09:22

Matrix: Air

Date Received: 03/15/21 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.080		ppb v/v			03/17/21 18:26	1
1,1,2,2-Tetrachloroethane	ND		0.080		ppb v/v			03/17/21 18:26	1
1,1,2-Trichloroethane	ND		0.080		ppb v/v			03/17/21 18:26	1
1,1,2-Trichlorotrifluoroethane	ND		0.080		ppb v/v			03/17/21 18:26	1
1,1-Dichloroethane	ND		0.080		ppb v/v			03/17/21 18:26	1
1,1-Dichloroethene	ND		0.040		ppb v/v			03/17/21 18:26	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22291-1

Client Sample ID: 224121-IA-92

Lab Sample ID: 140-22291-3

Date Collected: 03/11/21 09:22

Matrix: Air

Date Received: 03/15/21 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.080		ppb v/v			03/17/21 18:26	1
1,2,4-Trimethylbenzene	0.15		0.080		ppb v/v			03/17/21 18:26	1
1,2-Dibromoethane	ND		0.080		ppb v/v			03/17/21 18:26	1
1,2-Dichlorobenzene	ND		0.080		ppb v/v			03/17/21 18:26	1
1,2-Dichloroethane	ND		0.080		ppb v/v			03/17/21 18:26	1
1,2-Dichloropropane	ND		0.080		ppb v/v			03/17/21 18:26	1
1,2-Dichlorotetrafluoroethane	ND		0.080		ppb v/v			03/17/21 18:26	1
1,3,5-Trimethylbenzene	ND		0.080		ppb v/v			03/17/21 18:26	1
1,3-Dichlorobenzene	ND		0.080		ppb v/v			03/17/21 18:26	1
1,4-Dichlorobenzene	ND		0.080		ppb v/v			03/17/21 18:26	1
1,4-Dioxane	ND		0.20		ppb v/v			03/17/21 18:26	1
2,2,4-Trimethylpentane	0.31		0.20		ppb v/v			03/17/21 18:26	1
2-Butanone	0.45		0.32		ppb v/v			03/17/21 18:26	1
4-Methyl-2-pentanone (MIBK)	ND		0.20		ppb v/v			03/17/21 18:26	1
Benzene	0.88		0.080		ppb v/v			03/17/21 18:26	1
Benzyl chloride	ND		0.16		ppb v/v			03/17/21 18:26	1
Bromodichloromethane	ND		0.080		ppb v/v			03/17/21 18:26	1
Bromoform	ND		0.080		ppb v/v			03/17/21 18:26	1
Bromomethane	ND		0.080		ppb v/v			03/17/21 18:26	1
Carbon tetrachloride	0.092		0.032		ppb v/v			03/17/21 18:26	1
Chlorobenzene	ND		0.080		ppb v/v			03/17/21 18:26	1
Chloroethane	ND		0.080		ppb v/v			03/17/21 18:26	1
Chloroform	0.20		0.080		ppb v/v			03/17/21 18:26	1
Chloromethane	0.61		0.20		ppb v/v			03/17/21 18:26	1
cis-1,2-Dichloroethene	ND		0.040		ppb v/v			03/17/21 18:26	1
cis-1,3-Dichloropropene	ND		0.080		ppb v/v			03/17/21 18:26	1
Cyclohexane	0.21		0.20		ppb v/v			03/17/21 18:26	1
Dibromochloromethane	ND		0.080		ppb v/v			03/17/21 18:26	1
Dichlorodifluoromethane	0.17		0.080		ppb v/v			03/17/21 18:26	1
Ethanol	92 E		2.0		ppb v/v			03/17/21 18:26	1
Ethylbenzene	0.18		0.080		ppb v/v			03/17/21 18:26	1
Hexachlorobutadiene	ND		0.080		ppb v/v			03/17/21 18:26	1
Hexane	0.38		0.20		ppb v/v			03/17/21 18:26	1
Methyl tert-butyl ether	ND		0.16		ppb v/v			03/17/21 18:26	1
Methylene Chloride	0.88		0.40		ppb v/v			03/17/21 18:26	1
m-Xylene & p-Xylene	0.59		0.080		ppb v/v			03/17/21 18:26	1
Naphthalene	ND		0.20		ppb v/v			03/17/21 18:26	1
o-Xylene	0.23		0.080		ppb v/v			03/17/21 18:26	1
Styrene	ND		0.080		ppb v/v			03/17/21 18:26	1
t-Butyl alcohol	ND		0.32		ppb v/v			03/17/21 18:26	1
Tetrachloroethene	0.32		0.080		ppb v/v			03/17/21 18:26	1
Toluene	1.3		0.12		ppb v/v			03/17/21 18:26	1
trans-1,2-Dichloroethene	ND		0.080		ppb v/v			03/17/21 18:26	1
trans-1,3-Dichloropropene	ND		0.080		ppb v/v			03/17/21 18:26	1
Trichloroethene	ND		0.036		ppb v/v			03/17/21 18:26	1
Trichlorofluoromethane	0.26		0.080		ppb v/v			03/17/21 18:26	1
Vinyl chloride	ND		0.040		ppb v/v			03/17/21 18:26	1

Client Sample Results

Client: New York State D.E.C.
 Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22291-1

Client Sample ID: 224121-IA-92

Lab Sample ID: 140-22291-3

Date Collected: 03/11/21 09:22

Matrix: Air

Date Received: 03/15/21 09:45

Sample Container: Summa Canister 6L

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.44		ug/m3			03/17/21 18:26	1
1,1,2,2-Tetrachloroethane	ND		0.55		ug/m3			03/17/21 18:26	1
1,1,2-Trichloroethane	ND		0.44		ug/m3			03/17/21 18:26	1
1,1,2-Trichlorotrifluoroethane	ND		0.61		ug/m3			03/17/21 18:26	1
1,1-Dichloroethane	ND		0.32		ug/m3			03/17/21 18:26	1
1,1-Dichloroethene	ND		0.16		ug/m3			03/17/21 18:26	1
1,2,4-Trichlorobenzene	ND		0.59		ug/m3			03/17/21 18:26	1
1,2,4-Trimethylbenzene	0.73		0.39		ug/m3			03/17/21 18:26	1
1,2-Dibromoethane	ND		0.61		ug/m3			03/17/21 18:26	1
1,2-Dichlorobenzene	ND		0.48		ug/m3			03/17/21 18:26	1
1,2-Dichloroethane	ND		0.32		ug/m3			03/17/21 18:26	1
1,2-Dichloropropane	ND		0.37		ug/m3			03/17/21 18:26	1
1,2-Dichlorotetrafluoroethane	ND		0.56		ug/m3			03/17/21 18:26	1
1,3,5-Trimethylbenzene	ND		0.39		ug/m3			03/17/21 18:26	1
1,3-Dichlorobenzene	ND		0.48		ug/m3			03/17/21 18:26	1
1,4-Dichlorobenzene	ND		0.48		ug/m3			03/17/21 18:26	1
1,4-Dioxane	ND		0.72		ug/m3			03/17/21 18:26	1
2,2,4-Trimethylpentane	1.5		0.93		ug/m3			03/17/21 18:26	1
2-Butanone	1.3		0.94		ug/m3			03/17/21 18:26	1
4-Methyl-2-pentanone (MIBK)	ND		0.82		ug/m3			03/17/21 18:26	1
Benzene	2.8		0.26		ug/m3			03/17/21 18:26	1
Benzyl chloride	ND		0.83		ug/m3			03/17/21 18:26	1
Bromodichloromethane	ND		0.54		ug/m3			03/17/21 18:26	1
Bromoform	ND		0.83		ug/m3			03/17/21 18:26	1
Bromomethane	ND		0.31		ug/m3			03/17/21 18:26	1
Carbon tetrachloride	0.58		0.20		ug/m3			03/17/21 18:26	1
Chlorobenzene	ND		0.37		ug/m3			03/17/21 18:26	1
Chloroethane	ND		0.21		ug/m3			03/17/21 18:26	1
Chloroform	0.98		0.39		ug/m3			03/17/21 18:26	1
Chloromethane	1.3		0.41		ug/m3			03/17/21 18:26	1
cis-1,2-Dichloroethene	ND		0.16		ug/m3			03/17/21 18:26	1
cis-1,3-Dichloropropene	ND		0.36		ug/m3			03/17/21 18:26	1
Cyclohexane	0.72		0.69		ug/m3			03/17/21 18:26	1
Dibromochloromethane	ND		0.68		ug/m3			03/17/21 18:26	1
Dichlorodifluoromethane	0.84		0.40		ug/m3			03/17/21 18:26	1
Ethanol	170 E		3.8		ug/m3			03/17/21 18:26	1
Ethylbenzene	0.78		0.35		ug/m3			03/17/21 18:26	1
Hexachlorobutadiene	ND		0.85		ug/m3			03/17/21 18:26	1
Hexane	1.3		0.70		ug/m3			03/17/21 18:26	1
Methyl tert-butyl ether	ND		0.58		ug/m3			03/17/21 18:26	1
Methylene Chloride	3.1		1.4		ug/m3			03/17/21 18:26	1
m-Xylene & p-Xylene	2.6		0.35		ug/m3			03/17/21 18:26	1
Naphthalene	ND		1.0		ug/m3			03/17/21 18:26	1
o-Xylene	1.0		0.35		ug/m3			03/17/21 18:26	1
Styrene	ND		0.34		ug/m3			03/17/21 18:26	1
t-Butyl alcohol	ND		0.97		ug/m3			03/17/21 18:26	1
Tetrachloroethene	2.2		0.54		ug/m3			03/17/21 18:26	1
Toluene	4.9		0.45		ug/m3			03/17/21 18:26	1
trans-1,2-Dichloroethene	ND		0.32		ug/m3			03/17/21 18:26	1

Client Sample Results

Client: New York State D.E.C.
 Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22291-1

Client Sample ID: 224121-IA-92

Lab Sample ID: 140-22291-3

Date Collected: 03/11/21 09:22

Matrix: Air

Date Received: 03/15/21 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	ND		0.36		ug/m3			03/17/21 18:26	1
Trichloroethene	ND		0.19		ug/m3			03/17/21 18:26	1
Trichlorofluoromethane	1.5		0.45		ug/m3			03/17/21 18:26	1
Vinyl chloride	ND		0.10		ug/m3			03/17/21 18:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		60 - 140					03/17/21 18:26	1

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethanol	100	D	5.0		ppb v/v			03/18/21 19:45	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethanol	200	D J	9.4		ug/m3			03/18/21 19:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		60 - 140					03/18/21 19:45	1

Client Sample ID: 224121-OA-92

Lab Sample ID: 140-22291-4

Date Collected: 03/11/21 09:24

Matrix: Air

Date Received: 03/15/21 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.080		ppb v/v			03/17/21 15:49	1
1,1,2,2-Tetrachloroethane	ND		0.080		ppb v/v			03/17/21 15:49	1
1,1,2-Trichloroethane	ND		0.080		ppb v/v			03/17/21 15:49	1
1,1,2-Trichlorotrifluoroethane	ND		0.080		ppb v/v			03/17/21 15:49	1
1,1-Dichloroethane	ND		0.080		ppb v/v			03/17/21 15:49	1
1,1-Dichloroethene	ND		0.040		ppb v/v			03/17/21 15:49	1
1,2,4-Trichlorobenzene	ND		0.080		ppb v/v			03/17/21 15:49	1
1,2,4-Trimethylbenzene	0.16		0.080		ppb v/v			03/17/21 15:49	1
1,2-Dibromoethane	ND		0.080		ppb v/v			03/17/21 15:49	1
1,2-Dichlorobenzene	ND		0.080		ppb v/v			03/17/21 15:49	1
1,2-Dichloroethane	ND		0.080		ppb v/v			03/17/21 15:49	1
1,2-Dichloropropane	ND		0.080		ppb v/v			03/17/21 15:49	1
1,2-Dichlorotetrafluoroethane	ND		0.080		ppb v/v			03/17/21 15:49	1
1,3,5-Trimethylbenzene	ND		0.080		ppb v/v			03/17/21 15:49	1
1,3-Dichlorobenzene	ND		0.080		ppb v/v			03/17/21 15:49	1
1,4-Dichlorobenzene	ND		0.080		ppb v/v			03/17/21 15:49	1
1,4-Dioxane	ND		0.20		ppb v/v			03/17/21 15:49	1
2,2,4-Trimethylpentane	0.23		0.20		ppb v/v			03/17/21 15:49	1
2-Butanone	1.1		0.32		ppb v/v			03/17/21 15:49	1
4-Methyl-2-pentanone (MIBK)	ND		0.20		ppb v/v			03/17/21 15:49	1
Benzene	0.38		0.080		ppb v/v			03/17/21 15:49	1
Benzyl chloride	ND		0.16		ppb v/v			03/17/21 15:49	1
Bromodichloromethane	ND		0.080		ppb v/v			03/17/21 15:49	1
Bromoform	ND		0.080		ppb v/v			03/17/21 15:49	1
Bromomethane	ND		0.080		ppb v/v			03/17/21 15:49	1

Eurofins TestAmerica, Knoxville

ALH 4/8/21

Client Sample Results

Client: New York State D.E.C.
 Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22291-1

Client Sample ID: 224121-OA-92

Lab Sample ID: 140-22291-4

Date Collected: 03/11/21 09:24

Matrix: Air

Date Received: 03/15/21 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	0.088		0.032		ppb v/v			03/17/21 15:49	1
Chlorobenzene	ND		0.080		ppb v/v			03/17/21 15:49	1
Chloroethane	ND		0.080		ppb v/v			03/17/21 15:49	1
Chloroform	ND		0.080		ppb v/v			03/17/21 15:49	1
Chloromethane	0.60		0.20		ppb v/v			03/17/21 15:49	1
cis-1,2-Dichloroethene	ND		0.040		ppb v/v			03/17/21 15:49	1
cis-1,3-Dichloropropene	ND		0.080		ppb v/v			03/17/21 15:49	1
Cyclohexane	ND		0.20		ppb v/v			03/17/21 15:49	1
Dibromochloromethane	ND		0.080		ppb v/v			03/17/21 15:49	1
Dichlorodifluoromethane	0.18		0.080		ppb v/v			03/17/21 15:49	1
Ethanol	20		2.0		ppb v/v			03/17/21 15:49	1
Ethylbenzene	0.18		0.080		ppb v/v			03/17/21 15:49	1
Hexachlorobutadiene	ND		0.080		ppb v/v			03/17/21 15:49	1
Hexane	0.37		0.20		ppb v/v			03/17/21 15:49	1
Methyl tert-butyl ether	ND		0.16		ppb v/v			03/17/21 15:49	1
Methylene Chloride	0.82		0.40		ppb v/v			03/17/21 15:49	1
m-Xylene & p-Xylene	0.63		0.080		ppb v/v			03/17/21 15:49	1
Naphthalene	ND		0.20		ppb v/v			03/17/21 15:49	1
o-Xylene	0.23		0.080		ppb v/v			03/17/21 15:49	1
Styrene	ND		0.080		ppb v/v			03/17/21 15:49	1
t-Butyl alcohol	ND		0.32		ppb v/v			03/17/21 15:49	1
Tetrachloroethene	0.14		0.080		ppb v/v			03/17/21 15:49	1
Toluene	1.3		0.12		ppb v/v			03/17/21 15:49	1
trans-1,2-Dichloroethene	ND		0.080		ppb v/v			03/17/21 15:49	1
trans-1,3-Dichloropropene	ND		0.080		ppb v/v			03/17/21 15:49	1
Trichloroethene	ND		0.036		ppb v/v			03/17/21 15:49	1
Trichlorofluoromethane	0.27		0.080		ppb v/v			03/17/21 15:49	1
Vinyl chloride	ND		0.040		ppb v/v			03/17/21 15:49	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.44		ug/m3			03/17/21 15:49	1
1,1,2,2-Tetrachloroethane	ND		0.55		ug/m3			03/17/21 15:49	1
1,1,2-Trichloroethane	ND		0.44		ug/m3			03/17/21 15:49	1
1,1,2-Trichlorotrifluoroethane	ND		0.61		ug/m3			03/17/21 15:49	1
1,1-Dichloroethane	ND		0.32		ug/m3			03/17/21 15:49	1
1,1-Dichloroethene	ND		0.16		ug/m3			03/17/21 15:49	1
1,2,4-Trichlorobenzene	ND		0.59		ug/m3			03/17/21 15:49	1
1,2,4-Trimethylbenzene	0.81		0.39		ug/m3			03/17/21 15:49	1
1,2-Dibromoethane	ND		0.61		ug/m3			03/17/21 15:49	1
1,2-Dichlorobenzene	ND		0.48		ug/m3			03/17/21 15:49	1
1,2-Dichloroethane	ND		0.32		ug/m3			03/17/21 15:49	1
1,2-Dichloropropane	ND		0.37		ug/m3			03/17/21 15:49	1
1,2-Dichlorotetrafluoroethane	ND		0.56		ug/m3			03/17/21 15:49	1
1,3,5-Trimethylbenzene	ND		0.39		ug/m3			03/17/21 15:49	1
1,3-Dichlorobenzene	ND		0.48		ug/m3			03/17/21 15:49	1
1,4-Dichlorobenzene	ND		0.48		ug/m3			03/17/21 15:49	1
1,4-Dioxane	ND		0.72		ug/m3			03/17/21 15:49	1
2,2,4-Trimethylpentane	1.1		0.93		ug/m3			03/17/21 15:49	1
2-Butanone	3.3		0.94		ug/m3			03/17/21 15:49	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22291-1

Client Sample ID: 224121-OA-92

Lab Sample ID: 140-22291-4

Date Collected: 03/11/21 09:24

Matrix: Air

Date Received: 03/15/21 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone (MIBK)	ND		0.82		ug/m3			03/17/21 15:49	1
Benzene	1.2		0.26		ug/m3			03/17/21 15:49	1
Benzyl chloride	ND		0.83		ug/m3			03/17/21 15:49	1
Bromodichloromethane	ND		0.54		ug/m3			03/17/21 15:49	1
Bromoform	ND		0.83		ug/m3			03/17/21 15:49	1
Bromomethane	ND		0.31		ug/m3			03/17/21 15:49	1
Carbon tetrachloride	0.56		0.20		ug/m3			03/17/21 15:49	1
Chlorobenzene	ND		0.37		ug/m3			03/17/21 15:49	1
Chloroethane	ND		0.21		ug/m3			03/17/21 15:49	1
Chloroform	ND		0.39		ug/m3			03/17/21 15:49	1
Chloromethane	1.2		0.41		ug/m3			03/17/21 15:49	1
cis-1,2-Dichloroethene	ND		0.16		ug/m3			03/17/21 15:49	1
cis-1,3-Dichloropropene	ND		0.36		ug/m3			03/17/21 15:49	1
Cyclohexane	ND		0.69		ug/m3			03/17/21 15:49	1
Dibromochloromethane	ND		0.68		ug/m3			03/17/21 15:49	1
Dichlorodifluoromethane	0.89		0.40		ug/m3			03/17/21 15:49	1
Ethanol	37		3.8		ug/m3			03/17/21 15:49	1
Ethylbenzene	0.78		0.35		ug/m3			03/17/21 15:49	1
Hexachlorobutadiene	ND		0.85		ug/m3			03/17/21 15:49	1
Hexane	1.3		0.70		ug/m3			03/17/21 15:49	1
Methyl tert-butyl ether	ND		0.58		ug/m3			03/17/21 15:49	1
Methylene Chloride	2.8		1.4		ug/m3			03/17/21 15:49	1
m-Xylene & p-Xylene	2.8		0.35		ug/m3			03/17/21 15:49	1
Naphthalene	ND		1.0		ug/m3			03/17/21 15:49	1
o-Xylene	1.0		0.35		ug/m3			03/17/21 15:49	1
Styrene	ND		0.34		ug/m3			03/17/21 15:49	1
t-Butyl alcohol	ND		0.97		ug/m3			03/17/21 15:49	1
Tetrachloroethene	0.97		0.54		ug/m3			03/17/21 15:49	1
Toluene	5.0		0.45		ug/m3			03/17/21 15:49	1
trans-1,2-Dichloroethene	ND		0.32		ug/m3			03/17/21 15:49	1
trans-1,3-Dichloropropene	ND		0.36		ug/m3			03/17/21 15:49	1
Trichloroethene	ND		0.19		ug/m3			03/17/21 15:49	1
Trichlorofluoromethane	1.5		0.45		ug/m3			03/17/21 15:49	1
Vinyl chloride	ND		0.10		ug/m3			03/17/21 15:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		60 - 140					03/17/21 15:49	1

Client Sample ID: 224121-SS-93

Lab Sample ID: 140-22291-5

Date Collected: 03/11/21 12:58

Matrix: Air

Date Received: 03/15/21 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.080		ppb v/v			03/17/21 19:18	1
1,1,2,2-Tetrachloroethane	ND		0.080		ppb v/v			03/17/21 19:18	1
1,1,2-Trichloroethane	ND		0.080		ppb v/v			03/17/21 19:18	1
1,1,2-Trichlorotrifluoroethane	ND		0.080		ppb v/v			03/17/21 19:18	1

Eurofins TestAmerica, Knoxville

Client Sample Results

Client: New York State D.E.C.
 Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22291-1

Client Sample ID: 224121-SS-93

Lab Sample ID: 140-22291-5

Date Collected: 03/11/21 12:58

Matrix: Air

Date Received: 03/15/21 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	0.15		0.080		ppb v/v			03/17/21 19:18	1
1,1-Dichloroethene	ND		0.040		ppb v/v			03/17/21 19:18	1
1,2,4-Trichlorobenzene	ND		0.080		ppb v/v			03/17/21 19:18	1
1,2,4-Trimethylbenzene	ND		0.080		ppb v/v			03/17/21 19:18	1
1,2-Dibromoethane	ND		0.080		ppb v/v			03/17/21 19:18	1
1,2-Dichlorobenzene	ND		0.080		ppb v/v			03/17/21 19:18	1
1,2-Dichloroethane	0.32		0.080		ppb v/v			03/17/21 19:18	1
1,2-Dichloropropane	ND		0.080		ppb v/v			03/17/21 19:18	1
1,2-Dichlorotetrafluoroethane	ND		0.080		ppb v/v			03/17/21 19:18	1
1,3,5-Trimethylbenzene	ND		0.080		ppb v/v			03/17/21 19:18	1
1,3-Dichlorobenzene	ND		0.080		ppb v/v			03/17/21 19:18	1
1,4-Dichlorobenzene	ND		0.080		ppb v/v			03/17/21 19:18	1
1,4-Dioxane	ND		0.20		ppb v/v			03/17/21 19:18	1
2,2,4-Trimethylpentane	ND		0.20		ppb v/v			03/17/21 19:18	1
2-Butanone	0.38		0.32		ppb v/v			03/17/21 19:18	1
4-Methyl-2-pentanone (MIBK)	ND		0.20		ppb v/v			03/17/21 19:18	1
Benzene	0.096		0.080		ppb v/v			03/17/21 19:18	1
Benzyl chloride	ND		0.16		ppb v/v			03/17/21 19:18	1
Bromodichloromethane	ND		0.080		ppb v/v			03/17/21 19:18	1
Bromoform	ND		0.080		ppb v/v			03/17/21 19:18	1
Bromomethane	ND		0.080		ppb v/v			03/17/21 19:18	1
Carbon tetrachloride	0.097		0.032		ppb v/v			03/17/21 19:18	1
Chlorobenzene	ND		0.080		ppb v/v			03/17/21 19:18	1
Chloroethane	0.25		0.080		ppb v/v			03/17/21 19:18	1
Chloroform	ND		0.080		ppb v/v			03/17/21 19:18	1
Chloromethane	ND		0.20		ppb v/v			03/17/21 19:18	1
cis-1,2-Dichloroethene	ND		0.040		ppb v/v			03/17/21 19:18	1
cis-1,3-Dichloropropene	ND		0.080		ppb v/v			03/17/21 19:18	1
Cyclohexane	ND		0.20		ppb v/v			03/17/21 19:18	1
Dibromochloromethane	ND		0.080		ppb v/v			03/17/21 19:18	1
Dichlorodifluoromethane	0.18		0.080		ppb v/v			03/17/21 19:18	1
Ethanol	3.9		2.0		ppb v/v			03/17/21 19:18	1
Ethylbenzene	ND		0.080		ppb v/v			03/17/21 19:18	1
Hexachlorobutadiene	ND		0.080		ppb v/v			03/17/21 19:18	1
Hexane	0.20		0.20		ppb v/v			03/17/21 19:18	1
Methyl tert-butyl ether	ND		0.16		ppb v/v			03/17/21 19:18	1
Methylene Chloride	1.2		0.40		ppb v/v			03/17/21 19:18	1
m-Xylene & p-Xylene	0.15		0.080		ppb v/v			03/17/21 19:18	1
Naphthalene	ND		0.20		ppb v/v			03/17/21 19:18	1
o-Xylene	ND		0.080		ppb v/v			03/17/21 19:18	1
Styrene	ND		0.080		ppb v/v			03/17/21 19:18	1
t-Butyl alcohol	ND		0.32		ppb v/v			03/17/21 19:18	1
Tetrachloroethene	0.33		0.080		ppb v/v			03/17/21 19:18	1
Toluene	0.22		0.12		ppb v/v			03/17/21 19:18	1
trans-1,2-Dichloroethene	ND		0.080		ppb v/v			03/17/21 19:18	1
trans-1,3-Dichloropropene	ND		0.080		ppb v/v			03/17/21 19:18	1
Trichloroethene	0.18		0.036		ppb v/v			03/17/21 19:18	1
Trichlorofluoromethane	0.26		0.080		ppb v/v			03/17/21 19:18	1

Client Sample Results

Client: New York State D.E.C.
 Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22291-1

Client Sample ID: 224121-SS-93

Lab Sample ID: 140-22291-5

Date Collected: 03/11/21 12:58

Matrix: Air

Date Received: 03/15/21 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	0.092		0.040		ppb v/v			03/17/21 19:18	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.44		ug/m3			03/17/21 19:18	1
1,1,2,2-Tetrachloroethane	ND		0.55		ug/m3			03/17/21 19:18	1
1,1,2-Trichloroethane	ND		0.44		ug/m3			03/17/21 19:18	1
1,1,2-Trichlorotrifluoroethane	ND		0.61		ug/m3			03/17/21 19:18	1
1,1-Dichloroethane	0.62		0.32		ug/m3			03/17/21 19:18	1
1,1-Dichloroethene	ND		0.16		ug/m3			03/17/21 19:18	1
1,2,4-Trichlorobenzene	ND		0.59		ug/m3			03/17/21 19:18	1
1,2,4-Trimethylbenzene	ND		0.39		ug/m3			03/17/21 19:18	1
1,2-Dibromoethane	ND		0.61		ug/m3			03/17/21 19:18	1
1,2-Dichlorobenzene	ND		0.48		ug/m3			03/17/21 19:18	1
1,2-Dichloroethane	1.3		0.32		ug/m3			03/17/21 19:18	1
1,2-Dichloropropane	ND		0.37		ug/m3			03/17/21 19:18	1
1,2-Dichlorotetrafluoroethane	ND		0.56		ug/m3			03/17/21 19:18	1
1,3,5-Trimethylbenzene	ND		0.39		ug/m3			03/17/21 19:18	1
1,3-Dichlorobenzene	ND		0.48		ug/m3			03/17/21 19:18	1
1,4-Dichlorobenzene	ND		0.48		ug/m3			03/17/21 19:18	1
1,4-Dioxane	ND		0.72		ug/m3			03/17/21 19:18	1
2,2,4-Trimethylpentane	ND		0.93		ug/m3			03/17/21 19:18	1
2-Butanone	1.1		0.94		ug/m3			03/17/21 19:18	1
4-Methyl-2-pentanone (MIBK)	ND		0.82		ug/m3			03/17/21 19:18	1
Benzene	0.31		0.26		ug/m3			03/17/21 19:18	1
Benzyl chloride	ND		0.83		ug/m3			03/17/21 19:18	1
Bromodichloromethane	ND		0.54		ug/m3			03/17/21 19:18	1
Bromoform	ND		0.83		ug/m3			03/17/21 19:18	1
Bromomethane	ND		0.31		ug/m3			03/17/21 19:18	1
Carbon tetrachloride	0.61		0.20		ug/m3			03/17/21 19:18	1
Chlorobenzene	ND		0.37		ug/m3			03/17/21 19:18	1
Chloroethane	0.66		0.21		ug/m3			03/17/21 19:18	1
Chloroform	ND		0.39		ug/m3			03/17/21 19:18	1
Chloromethane	ND		0.41		ug/m3			03/17/21 19:18	1
cis-1,2-Dichloroethene	ND		0.16		ug/m3			03/17/21 19:18	1
cis-1,3-Dichloropropene	ND		0.36		ug/m3			03/17/21 19:18	1
Cyclohexane	ND		0.69		ug/m3			03/17/21 19:18	1
Dibromochloromethane	ND		0.68		ug/m3			03/17/21 19:18	1
Dichlorodifluoromethane	0.89		0.40		ug/m3			03/17/21 19:18	1
Ethanol	7.3		3.8		ug/m3			03/17/21 19:18	1
Ethylbenzene	ND		0.35		ug/m3			03/17/21 19:18	1
Hexachlorobutadiene	ND		0.85		ug/m3			03/17/21 19:18	1
Hexane	0.70		0.70		ug/m3			03/17/21 19:18	1
Methyl tert-butyl ether	ND		0.58		ug/m3			03/17/21 19:18	1
Methylene Chloride	4.1		1.4		ug/m3			03/17/21 19:18	1
m-Xylene & p-Xylene	0.66		0.35		ug/m3			03/17/21 19:18	1
Naphthalene	ND		1.0		ug/m3			03/17/21 19:18	1
o-Xylene	ND		0.35		ug/m3			03/17/21 19:18	1
Styrene	ND		0.34		ug/m3			03/17/21 19:18	1
t-Butyl alcohol	ND		0.97		ug/m3			03/17/21 19:18	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22291-1

Client Sample ID: 224121-SS-93

Lab Sample ID: 140-22291-5

Date Collected: 03/11/21 12:58

Matrix: Air

Date Received: 03/15/21 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	2.2		0.54		ug/m3			03/17/21 19:18	1
Toluene	0.82		0.45		ug/m3			03/17/21 19:18	1
trans-1,2-Dichloroethene	ND		0.32		ug/m3			03/17/21 19:18	1
trans-1,3-Dichloropropene	ND		0.36		ug/m3			03/17/21 19:18	1
Trichloroethene	0.99		0.19		ug/m3			03/17/21 19:18	1
Trichlorofluoromethane	1.5		0.45		ug/m3			03/17/21 19:18	1
Vinyl chloride	0.24		0.10		ug/m3			03/17/21 19:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		60 - 140					03/17/21 19:18	1

Client Sample ID: 224121-IA-93

Lab Sample ID: 140-22291-6

Date Collected: 03/11/21 12:59

Matrix: Air

Date Received: 03/15/21 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.080		ppb v/v			03/17/21 20:10	1
1,1,2,2-Tetrachloroethane	ND		0.080		ppb v/v			03/17/21 20:10	1
1,1,2-Trichloroethane	ND		0.080		ppb v/v			03/17/21 20:10	1
1,1,2-Trichlorotrifluoroethane	ND		0.080		ppb v/v			03/17/21 20:10	1
1,1-Dichloroethane	ND		0.080		ppb v/v			03/17/21 20:10	1
1,1-Dichloroethene	ND		0.040		ppb v/v			03/17/21 20:10	1
1,2,4-Trichlorobenzene	ND		0.080		ppb v/v			03/17/21 20:10	1
1,2,4-Trimethylbenzene	1.6		0.080		ppb v/v			03/17/21 20:10	1
1,2-Dibromoethane	ND		0.080		ppb v/v			03/17/21 20:10	1
1,2-Dichlorobenzene	ND		0.080		ppb v/v			03/17/21 20:10	1
1,2-Dichloroethane	ND		0.080		ppb v/v			03/17/21 20:10	1
1,2-Dichloropropane	ND		0.080		ppb v/v			03/17/21 20:10	1
1,2-Dichlorotetrafluoroethane	ND		0.080		ppb v/v			03/17/21 20:10	1
1,3,5-Trimethylbenzene	0.69		0.080		ppb v/v			03/17/21 20:10	1
1,3-Dichlorobenzene	ND		0.080		ppb v/v			03/17/21 20:10	1
1,4-Dichlorobenzene	0.79		0.080		ppb v/v			03/17/21 20:10	1
1,4-Dioxane	ND		0.20		ppb v/v			03/17/21 20:10	1
2,2,4-Trimethylpentane	0.26		0.20		ppb v/v			03/17/21 20:10	1
2-Butanone	0.82		0.32		ppb v/v			03/17/21 20:10	1
4-Methyl-2-pentanone (MIBK)	ND		0.20		ppb v/v			03/17/21 20:10	1
Benzene	0.41		0.080		ppb v/v			03/17/21 20:10	1
Benzyl chloride	ND		0.16		ppb v/v			03/17/21 20:10	1
Bromodichloromethane	ND		0.080		ppb v/v			03/17/21 20:10	1
Bromoform	ND		0.080		ppb v/v			03/17/21 20:10	1
Bromomethane	ND		0.080		ppb v/v			03/17/21 20:10	1
Carbon tetrachloride	0.086		0.032		ppb v/v			03/17/21 20:10	1
Chlorobenzene	ND		0.080		ppb v/v			03/17/21 20:10	1
Chloroethane	ND		0.080		ppb v/v			03/17/21 20:10	1
Chloroform	0.24		0.080		ppb v/v			03/17/21 20:10	1
Chloromethane	0.54		0.20		ppb v/v			03/17/21 20:10	1
cis-1,2-Dichloroethene	ND		0.040		ppb v/v			03/17/21 20:10	1

Client Sample Results

Client: New York State D.E.C.
 Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22291-1

Client Sample ID: 224121-IA-93

Lab Sample ID: 140-22291-6

Date Collected: 03/11/21 12:59

Matrix: Air

Date Received: 03/15/21 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		0.080		ppb v/v			03/17/21 20:10	1
Cyclohexane	0.24		0.20		ppb v/v			03/17/21 20:10	1
Dibromochloromethane	ND		0.080		ppb v/v			03/17/21 20:10	1
Dichlorodifluoromethane	0.17		0.080		ppb v/v			03/17/21 20:10	1
Ethanol	130	E	2.0		ppb v/v			03/17/21 20:10	1
Ethylbenzene	0.25		0.080		ppb v/v			03/17/21 20:10	1
Hexachlorobutadiene	ND		0.080		ppb v/v			03/17/21 20:10	1
Hexane	0.65		0.20		ppb v/v			03/17/21 20:10	1
Methyl tert-butyl ether	ND		0.16		ppb v/v			03/17/21 20:10	1
Methylene Chloride	2.5		0.40		ppb v/v			03/17/21 20:10	1
m-Xylene & p-Xylene	1.1		0.080		ppb v/v			03/17/21 20:10	1
Naphthalene	ND		0.20		ppb v/v			03/17/21 20:10	1
o-Xylene	0.43		0.080		ppb v/v			03/17/21 20:10	1
Styrene	ND		0.080		ppb v/v			03/17/21 20:10	1
t-Butyl alcohol	ND		0.32		ppb v/v			03/17/21 20:10	1
Tetrachloroethene	0.17		0.080		ppb v/v			03/17/21 20:10	1
Toluene	1.7		0.12		ppb v/v			03/17/21 20:10	1
trans-1,2-Dichloroethene	ND		0.080		ppb v/v			03/17/21 20:10	1
trans-1,3-Dichloropropene	ND		0.080		ppb v/v			03/17/21 20:10	1
Trichloroethene	ND		0.036		ppb v/v			03/17/21 20:10	1
Trichlorofluoromethane	0.27		0.080		ppb v/v			03/17/21 20:10	1
Vinyl chloride	ND		0.040		ppb v/v			03/17/21 20:10	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.44		ug/m3			03/17/21 20:10	1
1,1,2,2-Tetrachloroethane	ND		0.55		ug/m3			03/17/21 20:10	1
1,1,2-Trichloroethane	ND		0.44		ug/m3			03/17/21 20:10	1
1,1,2-Trichlorotrifluoroethane	ND		0.61		ug/m3			03/17/21 20:10	1
1,1-Dichloroethane	ND		0.32		ug/m3			03/17/21 20:10	1
1,1-Dichloroethene	ND		0.16		ug/m3			03/17/21 20:10	1
1,2,4-Trichlorobenzene	ND		0.59		ug/m3			03/17/21 20:10	1
1,2,4-Trimethylbenzene	7.6		0.39		ug/m3			03/17/21 20:10	1
1,2-Dibromoethane	ND		0.61		ug/m3			03/17/21 20:10	1
1,2-Dichlorobenzene	ND		0.48		ug/m3			03/17/21 20:10	1
1,2-Dichloroethane	ND		0.32		ug/m3			03/17/21 20:10	1
1,2-Dichloropropane	ND		0.37		ug/m3			03/17/21 20:10	1
1,2-Dichlorotetrafluoroethane	ND		0.56		ug/m3			03/17/21 20:10	1
1,3,5-Trimethylbenzene	3.4		0.39		ug/m3			03/17/21 20:10	1
1,3-Dichlorobenzene	ND		0.48		ug/m3			03/17/21 20:10	1
1,4-Dichlorobenzene	4.7		0.48		ug/m3			03/17/21 20:10	1
1,4-Dioxane	ND		0.72		ug/m3			03/17/21 20:10	1
2,2,4-Trimethylpentane	1.2		0.93		ug/m3			03/17/21 20:10	1
2-Butanone	2.4		0.94		ug/m3			03/17/21 20:10	1
4-Methyl-2-pentanone (MIBK)	ND		0.82		ug/m3			03/17/21 20:10	1
Benzene	1.3		0.26		ug/m3			03/17/21 20:10	1
Benzyl chloride	ND		0.83		ug/m3			03/17/21 20:10	1
Bromodichloromethane	ND		0.54		ug/m3			03/17/21 20:10	1
Bromoform	ND		0.83		ug/m3			03/17/21 20:10	1
Bromomethane	ND		0.31		ug/m3			03/17/21 20:10	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22291-1

Client Sample ID: 224121-IA-93

Lab Sample ID: 140-22291-6

Date Collected: 03/11/21 12:59

Matrix: Air

Date Received: 03/15/21 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	0.54		0.20		ug/m3			03/17/21 20:10	1
Chlorobenzene	ND		0.37		ug/m3			03/17/21 20:10	1
Chloroethane	ND		0.21		ug/m3			03/17/21 20:10	1
Chloroform	1.2		0.39		ug/m3			03/17/21 20:10	1
Chloromethane	1.1		0.41		ug/m3			03/17/21 20:10	1
cis-1,2-Dichloroethene	ND		0.16		ug/m3			03/17/21 20:10	1
cis-1,3-Dichloropropene	ND		0.36		ug/m3			03/17/21 20:10	1
Cyclohexane	0.82		0.69		ug/m3			03/17/21 20:10	1
Dibromochloromethane	ND		0.68		ug/m3			03/17/21 20:10	1
Dichlorodifluoromethane	0.85		0.40		ug/m3			03/17/21 20:10	1
Ethanol	240	E	3.8		ug/m3			03/17/21 20:10	1
Ethylbenzene	1.1		0.35		ug/m3			03/17/21 20:10	1
Hexachlorobutadiene	ND		0.85		ug/m3			03/17/21 20:10	1
Hexane	2.3		0.70		ug/m3			03/17/21 20:10	1
Methyl tert-butyl ether	ND		0.58		ug/m3			03/17/21 20:10	1
Methylene Chloride	8.8		1.4		ug/m3			03/17/21 20:10	1
m-Xylene & p-Xylene	4.6		0.35		ug/m3			03/17/21 20:10	1
Naphthalene	ND		1.0		ug/m3			03/17/21 20:10	1
o-Xylene	1.9		0.35		ug/m3			03/17/21 20:10	1
Styrene	ND		0.34		ug/m3			03/17/21 20:10	1
t-Butyl alcohol	ND		0.97		ug/m3			03/17/21 20:10	1
Tetrachloroethene	1.2		0.54		ug/m3			03/17/21 20:10	1
Toluene	6.5		0.45		ug/m3			03/17/21 20:10	1
trans-1,2-Dichloroethene	ND		0.32		ug/m3			03/17/21 20:10	1
trans-1,3-Dichloropropene	ND		0.36		ug/m3			03/17/21 20:10	1
Trichloroethene	ND		0.19		ug/m3			03/17/21 20:10	1
Trichlorofluoromethane	1.5		0.45		ug/m3			03/17/21 20:10	1
Vinyl chloride	ND		0.10		ug/m3			03/17/21 20:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		60 - 140		03/17/21 20:10	1

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethanol	180	D	10		ppb v/v			03/18/21 20:28	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethanol	330	D J	19		ug/m3			03/18/21 20:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		60 - 140		03/18/21 20:28	1

Client Sample ID: 224121-SSA-95

Lab Sample ID: 140-22291-7

Date Collected: 03/12/21 07:33

Matrix: Air

Date Received: 03/15/21 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.080		ppb v/v			03/17/21 21:03	1

Euofins TestAmerica, Knoxville

ALH 4/8/21

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22291-1

Client Sample ID: 224121-SSA-95

Lab Sample ID: 140-22291-7

Date Collected: 03/12/21 07:33

Matrix: Air

Date Received: 03/15/21 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		0.080		ppb v/v			03/17/21 21:03	1
1,1,2-Trichloroethane	ND		0.080		ppb v/v			03/17/21 21:03	1
1,1,2-Trichlorotrifluoroethane	ND		0.080		ppb v/v			03/17/21 21:03	1
1,1-Dichloroethane	0.42		0.080		ppb v/v			03/17/21 21:03	1
1,1-Dichloroethene	ND		0.040		ppb v/v			03/17/21 21:03	1
1,2,4-Trichlorobenzene	ND		0.080		ppb v/v			03/17/21 21:03	1
1,2,4-Trimethylbenzene	0.23		0.080		ppb v/v			03/17/21 21:03	1
1,2-Dibromoethane	ND		0.080		ppb v/v			03/17/21 21:03	1
1,2-Dichlorobenzene	ND		0.080		ppb v/v			03/17/21 21:03	1
1,2-Dichloroethane	1.4		0.080		ppb v/v			03/17/21 21:03	1
1,2-Dichloropropane	ND		0.080		ppb v/v			03/17/21 21:03	1
1,2-Dichlorotetrafluoroethane	ND		0.080		ppb v/v			03/17/21 21:03	1
1,3,5-Trimethylbenzene	0.11		0.080		ppb v/v			03/17/21 21:03	1
1,3-Dichlorobenzene	ND		0.080		ppb v/v			03/17/21 21:03	1
1,4-Dichlorobenzene	ND		0.080		ppb v/v			03/17/21 21:03	1
1,4-Dioxane	0.35		0.20		ppb v/v			03/17/21 21:03	1
2,2,4-Trimethylpentane	2.6		0.20		ppb v/v			03/17/21 21:03	1
2-Butanone	3.2		0.32		ppb v/v			03/17/21 21:03	1
4-Methyl-2-pentanone (MIBK)	0.72		0.20		ppb v/v			03/17/21 21:03	1
Benzene	2.2		0.080		ppb v/v			03/17/21 21:03	1
Benzyl chloride	ND		0.16		ppb v/v			03/17/21 21:03	1
Bromodichloromethane	ND		0.080		ppb v/v			03/17/21 21:03	1
Bromoform	ND		0.080		ppb v/v			03/17/21 21:03	1
Bromomethane	ND		0.080		ppb v/v			03/17/21 21:03	1
Carbon tetrachloride	0.053		0.032		ppb v/v			03/17/21 21:03	1
Chlorobenzene	ND		0.080		ppb v/v			03/17/21 21:03	1
Chloroethane	0.94		0.080		ppb v/v			03/17/21 21:03	1
Chloroform	0.16		0.080		ppb v/v			03/17/21 21:03	1
Chloromethane	0.45		0.20		ppb v/v			03/17/21 21:03	1
cis-1,2-Dichloroethene	ND		0.040		ppb v/v			03/17/21 21:03	1
cis-1,3-Dichloropropene	ND		0.080		ppb v/v			03/17/21 21:03	1
Cyclohexane	1.5	Cl	0.20		ppb v/v			03/17/21 21:03	1
Dibromochloromethane	ND		0.080		ppb v/v			03/17/21 21:03	1
Dichlorodifluoromethane	0.15		0.080		ppb v/v			03/17/21 21:03	1
Ethanol	27		2.0		ppb v/v			03/17/21 21:03	1
Ethylbenzene	0.38		0.080		ppb v/v			03/17/21 21:03	1
Hexachlorobutadiene	ND		0.080		ppb v/v			03/17/21 21:03	1
Hexane	4.0		0.20		ppb v/v			03/17/21 21:03	1
Methyl tert-butyl ether	ND		0.16		ppb v/v			03/17/21 21:03	1
Methylene Chloride	3.8		0.40		ppb v/v			03/17/21 21:03	1
m-Xylene & p-Xylene	0.92		0.080		ppb v/v			03/17/21 21:03	1
Naphthalene	ND		0.20		ppb v/v			03/17/21 21:03	1
o-Xylene	0.39		0.080		ppb v/v			03/17/21 21:03	1
Styrene	ND		0.080		ppb v/v			03/17/21 21:03	1
t-Butyl alcohol	1.1		0.32		ppb v/v			03/17/21 21:03	1
Tetrachloroethene	1.9		0.080		ppb v/v			03/17/21 21:03	1
Toluene	3.9		0.12		ppb v/v			03/17/21 21:03	1
trans-1,2-Dichloroethene	ND		0.080		ppb v/v			03/17/21 21:03	1

Client Sample Results

Client: New York State D.E.C.
 Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22291-1

Client Sample ID: 224121-SSA-95

Lab Sample ID: 140-22291-7

Date Collected: 03/12/21 07:33

Matrix: Air

Date Received: 03/15/21 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	ND		0.080		ppb v/v			03/17/21 21:03	1
Trichloroethene	0.95		0.036		ppb v/v			03/17/21 21:03	1
Trichlorofluoromethane	0.39		0.080		ppb v/v			03/17/21 21:03	1
Vinyl chloride	0.50		0.040		ppb v/v			03/17/21 21:03	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.44		ug/m3			03/17/21 21:03	1
1,1,2,2-Tetrachloroethane	ND		0.55		ug/m3			03/17/21 21:03	1
1,1,2-Trichloroethane	ND		0.44		ug/m3			03/17/21 21:03	1
1,1,2-Trichlorotrifluoroethane	ND		0.61		ug/m3			03/17/21 21:03	1
1,1-Dichloroethane	1.7		0.32		ug/m3			03/17/21 21:03	1
1,1-Dichloroethene	ND		0.16		ug/m3			03/17/21 21:03	1
1,2,4-Trichlorobenzene	ND		0.59		ug/m3			03/17/21 21:03	1
1,2,4-Trimethylbenzene	1.1		0.39		ug/m3			03/17/21 21:03	1
1,2-Dibromoethane	ND		0.61		ug/m3			03/17/21 21:03	1
1,2-Dichlorobenzene	ND		0.48		ug/m3			03/17/21 21:03	1
1,2-Dichloroethane	5.7		0.32		ug/m3			03/17/21 21:03	1
1,2-Dichloropropane	ND		0.37		ug/m3			03/17/21 21:03	1
1,2-Dichlorotetrafluoroethane	ND		0.56		ug/m3			03/17/21 21:03	1
1,3,5-Trimethylbenzene	0.54		0.39		ug/m3			03/17/21 21:03	1
1,3-Dichlorobenzene	ND		0.48		ug/m3			03/17/21 21:03	1
1,4-Dichlorobenzene	ND		0.48		ug/m3			03/17/21 21:03	1
1,4-Dioxane	1.2		0.72		ug/m3			03/17/21 21:03	1
2,2,4-Trimethylpentane	12		0.93		ug/m3			03/17/21 21:03	1
2-Butanone	9.4		0.94		ug/m3			03/17/21 21:03	1
4-Methyl-2-pentanone (MIBK)	3.0		0.82		ug/m3			03/17/21 21:03	1
Benzene	7.0		0.26		ug/m3			03/17/21 21:03	1
Benzyl chloride	ND		0.83		ug/m3			03/17/21 21:03	1
Bromodichloromethane	ND		0.54		ug/m3			03/17/21 21:03	1
Bromoform	ND		0.83		ug/m3			03/17/21 21:03	1
Bromomethane	ND		0.31		ug/m3			03/17/21 21:03	1
Carbon tetrachloride	0.34		0.20		ug/m3			03/17/21 21:03	1
Chlorobenzene	ND		0.37		ug/m3			03/17/21 21:03	1
Chloroethane	2.5		0.21		ug/m3			03/17/21 21:03	1
Chloroform	0.77		0.39		ug/m3			03/17/21 21:03	1
Chloromethane	0.94		0.41		ug/m3			03/17/21 21:03	1
cis-1,2-Dichloroethene	ND		0.16		ug/m3			03/17/21 21:03	1
cis-1,3-Dichloropropene	ND		0.36		ug/m3			03/17/21 21:03	1
Cyclohexane	5.1	CI	0.69		ug/m3			03/17/21 21:03	1
Dibromochloromethane	ND		0.68		ug/m3			03/17/21 21:03	1
Dichlorodifluoromethane	0.77		0.40		ug/m3			03/17/21 21:03	1
Ethanol	52		3.8		ug/m3			03/17/21 21:03	1
Ethylbenzene	1.6		0.35		ug/m3			03/17/21 21:03	1
Hexachlorobutadiene	ND		0.85		ug/m3			03/17/21 21:03	1
Hexane	14		0.70		ug/m3			03/17/21 21:03	1
Methyl tert-butyl ether	ND		0.58		ug/m3			03/17/21 21:03	1
Methylene Chloride	13		1.4		ug/m3			03/17/21 21:03	1
m-Xylene & p-Xylene	4.0		0.35		ug/m3			03/17/21 21:03	1
Naphthalene	ND		1.0		ug/m3			03/17/21 21:03	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22291-1

Client Sample ID: 224121-SSA-95

Lab Sample ID: 140-22291-7

Date Collected: 03/12/21 07:33

Matrix: Air

Date Received: 03/15/21 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	1.7		0.35		ug/m3			03/17/21 21:03	1
Styrene	ND		0.34		ug/m3			03/17/21 21:03	1
t-Butyl alcohol	3.3		0.97		ug/m3			03/17/21 21:03	1
Tetrachloroethene	13		0.54		ug/m3			03/17/21 21:03	1
Toluene	15		0.45		ug/m3			03/17/21 21:03	1
trans-1,2-Dichloroethene	ND		0.32		ug/m3			03/17/21 21:03	1
trans-1,3-Dichloropropene	ND		0.36		ug/m3			03/17/21 21:03	1
Trichloroethene	5.1		0.19		ug/m3			03/17/21 21:03	1
Trichlorofluoromethane	2.2		0.45		ug/m3			03/17/21 21:03	1
Vinyl chloride	1.3		0.10		ug/m3			03/17/21 21:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		60 - 140					03/17/21 21:03	1

Client Sample ID: 224121-IAA-95

Lab Sample ID: 140-22291-8

Date Collected: 03/12/21 07:34

Matrix: Air

Date Received: 03/15/21 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.080		ppb v/v			03/17/21 21:55	1
1,1,2,2-Tetrachloroethane	ND		0.080		ppb v/v			03/17/21 21:55	1
1,1,2-Trichloroethane	ND		0.080		ppb v/v			03/17/21 21:55	1
1,1,2-Trichlorotrifluoroethane	ND		0.080		ppb v/v			03/17/21 21:55	1
1,1-Dichloroethane	ND		0.080		ppb v/v			03/17/21 21:55	1
1,1-Dichloroethene	ND		0.040		ppb v/v			03/17/21 21:55	1
1,2,4-Trichlorobenzene	ND		0.080		ppb v/v			03/17/21 21:55	1
1,2,4-Trimethylbenzene	1.6		0.080		ppb v/v			03/17/21 21:55	1
1,2-Dibromoethane	ND		0.080		ppb v/v			03/17/21 21:55	1
1,2-Dichlorobenzene	ND		0.080		ppb v/v			03/17/21 21:55	1
1,2-Dichloroethane	ND		0.080		ppb v/v			03/17/21 21:55	1
1,2-Dichloropropane	ND		0.080		ppb v/v			03/17/21 21:55	1
1,2-Dichlorotetrafluoroethane	ND		0.080		ppb v/v			03/17/21 21:55	1
1,3,5-Trimethylbenzene	0.45		0.080		ppb v/v			03/17/21 21:55	1
1,3-Dichlorobenzene	ND		0.080		ppb v/v			03/17/21 21:55	1
1,4-Dichlorobenzene	ND		0.080		ppb v/v			03/17/21 21:55	1
1,4-Dioxane	ND		0.20		ppb v/v			03/17/21 21:55	1
2,2,4-Trimethylpentane	2.7		0.20		ppb v/v			03/17/21 21:55	1
2-Butanone	1.1		0.32		ppb v/v			03/17/21 21:55	1
4-Methyl-2-pentanone (MIBK)	1.1		0.20		ppb v/v			03/17/21 21:55	1
Benzene	1.8		0.080		ppb v/v			03/17/21 21:55	1
Benzyl chloride	ND		0.16		ppb v/v			03/17/21 21:55	1
Bromodichloromethane	ND		0.080		ppb v/v			03/17/21 21:55	1
Bromoform	ND		0.080		ppb v/v			03/17/21 21:55	1
Bromomethane	ND		0.080		ppb v/v			03/17/21 21:55	1
Carbon tetrachloride	0.087		0.032		ppb v/v			03/17/21 21:55	1
Chlorobenzene	ND		0.080		ppb v/v			03/17/21 21:55	1
Chloroethane	ND		0.080		ppb v/v			03/17/21 21:55	1

Client Sample Results

Client: New York State D.E.C.
 Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22291-1

Client Sample ID: 224121-IAA-95

Lab Sample ID: 140-22291-8

Date Collected: 03/12/21 07:34

Matrix: Air

Date Received: 03/15/21 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	ND		0.080		ppb v/v			03/17/21 21:55	1
Chloromethane	0.50		0.20		ppb v/v			03/17/21 21:55	1
cis-1,2-Dichloroethene	ND		0.040		ppb v/v			03/17/21 21:55	1
cis-1,3-Dichloropropene	ND		0.080		ppb v/v			03/17/21 21:55	1
Cyclohexane	2.1		0.20		ppb v/v			03/17/21 21:55	1
Dibromochloromethane	ND		0.080		ppb v/v			03/17/21 21:55	1
Dichlorodifluoromethane	0.16		0.080		ppb v/v			03/17/21 21:55	1
Ethanol	28		2.0		ppb v/v			03/17/21 21:55	1
Ethylbenzene	1.2		0.080		ppb v/v			03/17/21 21:55	1
Hexachlorobutadiene	ND		0.080		ppb v/v			03/17/21 21:55	1
Hexane	4.6		0.20		ppb v/v			03/17/21 21:55	1
Methyl tert-butyl ether	ND		0.16		ppb v/v			03/17/21 21:55	1
Methylene Chloride	2.8		0.40		ppb v/v			03/17/21 21:55	1
m-Xylene & p-Xylene	4.1		0.080		ppb v/v			03/17/21 21:55	1
Naphthalene	ND		0.20		ppb v/v			03/17/21 21:55	1
o-Xylene	1.3		0.080		ppb v/v			03/17/21 21:55	1
Styrene	0.13		0.080		ppb v/v			03/17/21 21:55	1
t-Butyl alcohol	ND		0.32		ppb v/v			03/17/21 21:55	1
Tetrachloroethene	0.10		0.080		ppb v/v			03/17/21 21:55	1
Toluene	7.7		0.12		ppb v/v			03/17/21 21:55	1
trans-1,2-Dichloroethene	ND		0.080		ppb v/v			03/17/21 21:55	1
trans-1,3-Dichloropropene	ND		0.080		ppb v/v			03/17/21 21:55	1
Trichloroethene	ND		0.036		ppb v/v			03/17/21 21:55	1
Trichlorofluoromethane	0.20		0.080		ppb v/v			03/17/21 21:55	1
Vinyl chloride	ND		0.040		ppb v/v			03/17/21 21:55	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.44		ug/m3			03/17/21 21:55	1
1,1,2,2-Tetrachloroethane	ND		0.55		ug/m3			03/17/21 21:55	1
1,1,2-Trichloroethane	ND		0.44		ug/m3			03/17/21 21:55	1
1,1,2-Trichlorotrifluoroethane	ND		0.61		ug/m3			03/17/21 21:55	1
1,1-Dichloroethane	ND		0.32		ug/m3			03/17/21 21:55	1
1,1-Dichloroethene	ND		0.16		ug/m3			03/17/21 21:55	1
1,2,4-Trichlorobenzene	ND		0.59		ug/m3			03/17/21 21:55	1
1,2,4-Trimethylbenzene	7.7		0.39		ug/m3			03/17/21 21:55	1
1,2-Dibromoethane	ND		0.61		ug/m3			03/17/21 21:55	1
1,2-Dichlorobenzene	ND		0.48		ug/m3			03/17/21 21:55	1
1,2-Dichloroethane	ND		0.32		ug/m3			03/17/21 21:55	1
1,2-Dichloropropane	ND		0.37		ug/m3			03/17/21 21:55	1
1,2-Dichlorotetrafluoroethane	ND		0.56		ug/m3			03/17/21 21:55	1
1,3,5-Trimethylbenzene	2.2		0.39		ug/m3			03/17/21 21:55	1
1,3-Dichlorobenzene	ND		0.48		ug/m3			03/17/21 21:55	1
1,4-Dichlorobenzene	ND		0.48		ug/m3			03/17/21 21:55	1
1,4-Dioxane	ND		0.72		ug/m3			03/17/21 21:55	1
2,2,4-Trimethylpentane	13		0.93		ug/m3			03/17/21 21:55	1
2-Butanone	3.1		0.94		ug/m3			03/17/21 21:55	1
4-Methyl-2-pentanone (MIBK)	4.5		0.82		ug/m3			03/17/21 21:55	1
Benzene	5.9		0.26		ug/m3			03/17/21 21:55	1
Benzyl chloride	ND		0.83		ug/m3			03/17/21 21:55	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22291-1

Client Sample ID: 224121-IAA-95

Lab Sample ID: 140-22291-8

Date Collected: 03/12/21 07:34

Matrix: Air

Date Received: 03/15/21 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		0.54		ug/m3			03/17/21 21:55	1
Bromoform	ND		0.83		ug/m3			03/17/21 21:55	1
Bromomethane	ND		0.31		ug/m3			03/17/21 21:55	1
Carbon tetrachloride	0.55		0.20		ug/m3			03/17/21 21:55	1
Chlorobenzene	ND		0.37		ug/m3			03/17/21 21:55	1
Chloroethane	ND		0.21		ug/m3			03/17/21 21:55	1
Chloroform	ND		0.39		ug/m3			03/17/21 21:55	1
Chloromethane	1.0		0.41		ug/m3			03/17/21 21:55	1
cis-1,2-Dichloroethene	ND		0.16		ug/m3			03/17/21 21:55	1
cis-1,3-Dichloropropene	ND		0.36		ug/m3			03/17/21 21:55	1
Cyclohexane	7.1		0.69		ug/m3			03/17/21 21:55	1
Dibromochloromethane	ND		0.68		ug/m3			03/17/21 21:55	1
Dichlorodifluoromethane	0.77		0.40		ug/m3			03/17/21 21:55	1
Ethanol	53		3.8		ug/m3			03/17/21 21:55	1
Ethylbenzene	5.0		0.35		ug/m3			03/17/21 21:55	1
Hexachlorobutadiene	ND		0.85		ug/m3			03/17/21 21:55	1
Hexane	16		0.70		ug/m3			03/17/21 21:55	1
Methyl tert-butyl ether	ND		0.58		ug/m3			03/17/21 21:55	1
Methylene Chloride	9.8		1.4		ug/m3			03/17/21 21:55	1
m-Xylene & p-Xylene	18		0.35		ug/m3			03/17/21 21:55	1
Naphthalene	ND		1.0		ug/m3			03/17/21 21:55	1
o-Xylene	5.8		0.35		ug/m3			03/17/21 21:55	1
Styrene	0.56		0.34		ug/m3			03/17/21 21:55	1
t-Butyl alcohol	ND		0.97		ug/m3			03/17/21 21:55	1
Tetrachloroethene	0.69		0.54		ug/m3			03/17/21 21:55	1
Toluene	29		0.45		ug/m3			03/17/21 21:55	1
trans-1,2-Dichloroethene	ND		0.32		ug/m3			03/17/21 21:55	1
trans-1,3-Dichloropropene	ND		0.36		ug/m3			03/17/21 21:55	1
Trichloroethene	ND		0.19		ug/m3			03/17/21 21:55	1
Trichlorofluoromethane	1.1		0.45		ug/m3			03/17/21 21:55	1
Vinyl chloride	ND		0.10		ug/m3			03/17/21 21:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		60 - 140		03/17/21 21:55	1

Client Sample ID: 224121-SSB-95

Lab Sample ID: 140-22291-9

Date Collected: 03/12/21 07:35

Matrix: Air

Date Received: 03/15/21 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.37		0.080		ppb v/v			03/17/21 22:48	1
1,1,2,2-Tetrachloroethane	ND		0.080		ppb v/v			03/17/21 22:48	1
1,1,2-Trichloroethane	ND		0.080		ppb v/v			03/17/21 22:48	1
1,1,2-Trichlorotrifluoroethane	ND		0.080		ppb v/v			03/17/21 22:48	1
1,1-Dichloroethane	ND		0.080		ppb v/v			03/17/21 22:48	1
1,1-Dichloroethene	ND		0.040		ppb v/v			03/17/21 22:48	1
1,2,4-Trichlorobenzene	ND		0.080		ppb v/v			03/17/21 22:48	1

Client Sample Results

Client: New York State D.E.C.
 Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22291-1

Client Sample ID: 224121-SSB-95

Lab Sample ID: 140-22291-9

Date Collected: 03/12/21 07:35

Matrix: Air

Date Received: 03/15/21 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	ND		0.080		ppb v/v			03/17/21 22:48	1
1,2-Dibromoethane	ND		0.080		ppb v/v			03/17/21 22:48	1
1,2-Dichlorobenzene	ND		0.080		ppb v/v			03/17/21 22:48	1
1,2-Dichloroethane	ND		0.080		ppb v/v			03/17/21 22:48	1
1,2-Dichloropropane	ND		0.080		ppb v/v			03/17/21 22:48	1
1,2-Dichlorotetrafluoroethane	ND		0.080		ppb v/v			03/17/21 22:48	1
1,3,5-Trimethylbenzene	ND		0.080		ppb v/v			03/17/21 22:48	1
1,3-Dichlorobenzene	ND		0.080		ppb v/v			03/17/21 22:48	1
1,4-Dichlorobenzene	ND		0.080		ppb v/v			03/17/21 22:48	1
1,4-Dioxane	0.24		0.20		ppb v/v			03/17/21 22:48	1
2,2,4-Trimethylpentane	0.25		0.20		ppb v/v			03/17/21 22:48	1
2-Butanone	1.0		0.32		ppb v/v			03/17/21 22:48	1
4-Methyl-2-pentanone (MIBK)	ND		0.20		ppb v/v			03/17/21 22:48	1
Benzene	0.29		0.080		ppb v/v			03/17/21 22:48	1
Benzyl chloride	ND		0.16		ppb v/v			03/17/21 22:48	1
Bromodichloromethane	ND		0.080		ppb v/v			03/17/21 22:48	1
Bromoform	ND		0.080		ppb v/v			03/17/21 22:48	1
Bromomethane	ND		0.080		ppb v/v			03/17/21 22:48	1
Carbon tetrachloride	0.032		0.032		ppb v/v			03/17/21 22:48	1
Chlorobenzene	ND		0.080		ppb v/v			03/17/21 22:48	1
Chloroethane	0.14		0.080		ppb v/v			03/17/21 22:48	1
Chloroform	0.14		0.080		ppb v/v			03/17/21 22:48	1
Chloromethane	ND		0.20		ppb v/v			03/17/21 22:48	1
cis-1,2-Dichloroethene	ND		0.040		ppb v/v			03/17/21 22:48	1
cis-1,3-Dichloropropene	ND		0.080		ppb v/v			03/17/21 22:48	1
Cyclohexane	0.27	CI	0.20		ppb v/v			03/17/21 22:48	1
Dibromochloromethane	ND		0.080		ppb v/v			03/17/21 22:48	1
Dichlorodifluoromethane	0.16		0.080		ppb v/v			03/17/21 22:48	1
Ethanol	16		2.0		ppb v/v			03/17/21 22:48	1
Ethylbenzene	ND		0.080		ppb v/v			03/17/21 22:48	1
Hexachlorobutadiene	ND		0.080		ppb v/v			03/17/21 22:48	1
Hexane	0.35		0.20		ppb v/v			03/17/21 22:48	1
Methyl tert-butyl ether	ND		0.16		ppb v/v			03/17/21 22:48	1
Methylene Chloride	2.4		0.40		ppb v/v			03/17/21 22:48	1
m-Xylene & p-Xylene	0.18		0.080		ppb v/v			03/17/21 22:48	1
Naphthalene	ND		0.20		ppb v/v			03/17/21 22:48	1
o-Xylene	0.081		0.080		ppb v/v			03/17/21 22:48	1
Styrene	ND		0.080		ppb v/v			03/17/21 22:48	1
t-Butyl alcohol	0.58		0.32		ppb v/v			03/17/21 22:48	1
Tetrachloroethene	11		0.080		ppb v/v			03/17/21 22:48	1
Toluene	0.69		0.12		ppb v/v			03/17/21 22:48	1
trans-1,2-Dichloroethene	ND		0.080		ppb v/v			03/17/21 22:48	1
trans-1,3-Dichloropropene	ND		0.080		ppb v/v			03/17/21 22:48	1
Trichloroethene	11		0.036		ppb v/v			03/17/21 22:48	1
Trichlorofluoromethane	0.83		0.080		ppb v/v			03/17/21 22:48	1
Vinyl chloride	0.090		0.040		ppb v/v			03/17/21 22:48	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	2.0		0.44		ug/m3			03/17/21 22:48	1

Client Sample Results

Client: New York State D.E.C.
 Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22291-1

Client Sample ID: 224121-SSB-95

Lab Sample ID: 140-22291-9

Date Collected: 03/12/21 07:35

Matrix: Air

Date Received: 03/15/21 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		0.55		ug/m3			03/17/21 22:48	1
1,1,2-Trichloroethane	ND		0.44		ug/m3			03/17/21 22:48	1
1,1,2-Trichlorotrifluoroethane	ND		0.61		ug/m3			03/17/21 22:48	1
1,1-Dichloroethane	ND		0.32		ug/m3			03/17/21 22:48	1
1,1-Dichloroethene	ND		0.16		ug/m3			03/17/21 22:48	1
1,2,4-Trichlorobenzene	ND		0.59		ug/m3			03/17/21 22:48	1
1,2,4-Trimethylbenzene	ND		0.39		ug/m3			03/17/21 22:48	1
1,2-Dibromoethane	ND		0.61		ug/m3			03/17/21 22:48	1
1,2-Dichlorobenzene	ND		0.48		ug/m3			03/17/21 22:48	1
1,2-Dichloroethane	ND		0.32		ug/m3			03/17/21 22:48	1
1,2-Dichloropropane	ND		0.37		ug/m3			03/17/21 22:48	1
1,2-Dichlorotetrafluoroethane	ND		0.56		ug/m3			03/17/21 22:48	1
1,3,5-Trimethylbenzene	ND		0.39		ug/m3			03/17/21 22:48	1
1,3-Dichlorobenzene	ND		0.48		ug/m3			03/17/21 22:48	1
1,4-Dichlorobenzene	ND		0.48		ug/m3			03/17/21 22:48	1
1,4-Dioxane	0.87		0.72		ug/m3			03/17/21 22:48	1
2,2,4-Trimethylpentane	1.2		0.93		ug/m3			03/17/21 22:48	1
2-Butanone	3.0		0.94		ug/m3			03/17/21 22:48	1
4-Methyl-2-pentanone (MIBK)	ND		0.82		ug/m3			03/17/21 22:48	1
Benzene	0.93		0.26		ug/m3			03/17/21 22:48	1
Benzyl chloride	ND		0.83		ug/m3			03/17/21 22:48	1
Bromodichloromethane	ND		0.54		ug/m3			03/17/21 22:48	1
Bromoform	ND		0.83		ug/m3			03/17/21 22:48	1
Bromomethane	ND		0.31		ug/m3			03/17/21 22:48	1
Carbon tetrachloride	0.20		0.20		ug/m3			03/17/21 22:48	1
Chlorobenzene	ND		0.37		ug/m3			03/17/21 22:48	1
Chloroethane	0.37		0.21		ug/m3			03/17/21 22:48	1
Chloroform	0.70		0.39		ug/m3			03/17/21 22:48	1
Chloromethane	ND		0.41		ug/m3			03/17/21 22:48	1
cis-1,2-Dichloroethene	ND		0.16		ug/m3			03/17/21 22:48	1
cis-1,3-Dichloropropene	ND		0.36		ug/m3			03/17/21 22:48	1
Cyclohexane	0.94	CI	0.69		ug/m3			03/17/21 22:48	1
Dibromochloromethane	ND		0.68		ug/m3			03/17/21 22:48	1
Dichlorodifluoromethane	0.77		0.40		ug/m3			03/17/21 22:48	1
Ethanol	30		3.8		ug/m3			03/17/21 22:48	1
Ethylbenzene	ND		0.35		ug/m3			03/17/21 22:48	1
Hexachlorobutadiene	ND		0.85		ug/m3			03/17/21 22:48	1
Hexane	1.2		0.70		ug/m3			03/17/21 22:48	1
Methyl tert-butyl ether	ND		0.58		ug/m3			03/17/21 22:48	1
Methylene Chloride	8.4		1.4		ug/m3			03/17/21 22:48	1
m-Xylene & p-Xylene	0.78		0.35		ug/m3			03/17/21 22:48	1
Naphthalene	ND		1.0		ug/m3			03/17/21 22:48	1
o-Xylene	0.35		0.35		ug/m3			03/17/21 22:48	1
Styrene	ND		0.34		ug/m3			03/17/21 22:48	1
t-Butyl alcohol	1.8		0.97		ug/m3			03/17/21 22:48	1
Tetrachloroethene	76		0.54		ug/m3			03/17/21 22:48	1
Toluene	2.6		0.45		ug/m3			03/17/21 22:48	1
trans-1,2-Dichloroethene	ND		0.32		ug/m3			03/17/21 22:48	1

Client Sample Results

Client: New York State D.E.C.
 Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22291-1

Client Sample ID: 224121-SSB-95

Lab Sample ID: 140-22291-9

Date Collected: 03/12/21 07:35

Matrix: Air

Date Received: 03/15/21 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	ND		0.36		ug/m3			03/17/21 22:48	1
Trichloroethene	61		0.19		ug/m3			03/17/21 22:48	1
Trichlorofluoromethane	4.7		0.45		ug/m3			03/17/21 22:48	1
Vinyl chloride	0.23		0.10		ug/m3			03/17/21 22:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		60 - 140					03/17/21 22:48	1

Client Sample ID: 224121-IAB-95

Lab Sample ID: 140-22291-10

Date Collected: 03/12/21 07:36

Matrix: Air

Date Received: 03/15/21 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.080		ppb v/v			03/17/21 23:42	1
1,1,2,2-Tetrachloroethane	ND		0.080		ppb v/v			03/17/21 23:42	1
1,1,2-Trichloroethane	ND		0.080		ppb v/v			03/17/21 23:42	1
1,1,2-Trichlorotrifluoroethane	ND		0.080		ppb v/v			03/17/21 23:42	1
1,1-Dichloroethane	ND		0.080		ppb v/v			03/17/21 23:42	1
1,1-Dichloroethene	ND		0.040		ppb v/v			03/17/21 23:42	1
1,2,4-Trichlorobenzene	ND		0.080		ppb v/v			03/17/21 23:42	1
1,2,4-Trimethylbenzene	1.6		0.080		ppb v/v			03/17/21 23:42	1
1,2-Dibromoethane	ND		0.080		ppb v/v			03/17/21 23:42	1
1,2-Dichlorobenzene	ND		0.080		ppb v/v			03/17/21 23:42	1
1,2-Dichloroethane	ND		0.080		ppb v/v			03/17/21 23:42	1
1,2-Dichloropropane	ND		0.080		ppb v/v			03/17/21 23:42	1
1,2-Dichlorotetrafluoroethane	ND		0.080		ppb v/v			03/17/21 23:42	1
1,3,5-Trimethylbenzene	0.46		0.080		ppb v/v			03/17/21 23:42	1
1,3-Dichlorobenzene	ND		0.080		ppb v/v			03/17/21 23:42	1
1,4-Dichlorobenzene	ND		0.080		ppb v/v			03/17/21 23:42	1
1,4-Dioxane	ND		0.20		ppb v/v			03/17/21 23:42	1
2,2,4-Trimethylpentane	2.7		0.20		ppb v/v			03/17/21 23:42	1
2-Butanone	1.2		0.32		ppb v/v			03/17/21 23:42	1
4-Methyl-2-pentanone (MIBK)	0.91		0.20		ppb v/v			03/17/21 23:42	1
Benzene	1.8		0.080		ppb v/v			03/17/21 23:42	1
Benzyl chloride	ND		0.16		ppb v/v			03/17/21 23:42	1
Bromodichloromethane	ND		0.080		ppb v/v			03/17/21 23:42	1
Bromoform	ND		0.080		ppb v/v			03/17/21 23:42	1
Bromomethane	ND		0.080		ppb v/v			03/17/21 23:42	1
Carbon tetrachloride	0.081		0.032		ppb v/v			03/17/21 23:42	1
Chlorobenzene	ND		0.080		ppb v/v			03/17/21 23:42	1
Chloroethane	ND		0.080		ppb v/v			03/17/21 23:42	1
Chloroform	ND		0.080		ppb v/v			03/17/21 23:42	1
Chloromethane	0.50		0.20		ppb v/v			03/17/21 23:42	1
cis-1,2-Dichloroethene	ND		0.040		ppb v/v			03/17/21 23:42	1
cis-1,3-Dichloropropene	ND		0.080		ppb v/v			03/17/21 23:42	1
Cyclohexane	2.0		0.20		ppb v/v			03/17/21 23:42	1
Dibromochloromethane	ND		0.080		ppb v/v			03/17/21 23:42	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22291-1

Client Sample ID: 224121-IAB-95

Lab Sample ID: 140-22291-10

Date Collected: 03/12/21 07:36

Matrix: Air

Date Received: 03/15/21 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	0.15		0.080		ppb v/v			03/17/21 23:42	1
Ethanol	34		2.0		ppb v/v			03/17/21 23:42	1
Ethylbenzene	1.1		0.080		ppb v/v			03/17/21 23:42	1
Hexachlorobutadiene	ND		0.080		ppb v/v			03/17/21 23:42	1
Hexane	4.6		0.20		ppb v/v			03/17/21 23:42	1
Methyl tert-butyl ether	ND		0.16		ppb v/v			03/17/21 23:42	1
Methylene Chloride	4.0		0.40		ppb v/v			03/17/21 23:42	1
m-Xylene & p-Xylene	3.9		0.080		ppb v/v			03/17/21 23:42	1
Naphthalene	ND		0.20		ppb v/v			03/17/21 23:42	1
o-Xylene	1.3		0.080		ppb v/v			03/17/21 23:42	1
Styrene	0.13		0.080		ppb v/v			03/17/21 23:42	1
t-Butyl alcohol	ND		0.32		ppb v/v			03/17/21 23:42	1
Tetrachloroethene	0.11		0.080		ppb v/v			03/17/21 23:42	1
Toluene	7.2		0.12		ppb v/v			03/17/21 23:42	1
trans-1,2-Dichloroethene	ND		0.080		ppb v/v			03/17/21 23:42	1
trans-1,3-Dichloropropene	ND		0.080		ppb v/v			03/17/21 23:42	1
Trichloroethene	ND		0.036		ppb v/v			03/17/21 23:42	1
Trichlorofluoromethane	0.21		0.080		ppb v/v			03/17/21 23:42	1
Vinyl chloride	ND		0.040		ppb v/v			03/17/21 23:42	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.44		ug/m3			03/17/21 23:42	1
1,1,2,2-Tetrachloroethane	ND		0.55		ug/m3			03/17/21 23:42	1
1,1,2-Trichloroethane	ND		0.44		ug/m3			03/17/21 23:42	1
1,1,2-Trichlorotrifluoroethane	ND		0.61		ug/m3			03/17/21 23:42	1
1,1-Dichloroethane	ND		0.32		ug/m3			03/17/21 23:42	1
1,1-Dichloroethene	ND		0.16		ug/m3			03/17/21 23:42	1
1,2,4-Trichlorobenzene	ND		0.59		ug/m3			03/17/21 23:42	1
1,2,4-Trimethylbenzene	7.8		0.39		ug/m3			03/17/21 23:42	1
1,2-Dibromoethane	ND		0.61		ug/m3			03/17/21 23:42	1
1,2-Dichlorobenzene	ND		0.48		ug/m3			03/17/21 23:42	1
1,2-Dichloroethane	ND		0.32		ug/m3			03/17/21 23:42	1
1,2-Dichloropropane	ND		0.37		ug/m3			03/17/21 23:42	1
1,2-Dichlorotetrafluoroethane	ND		0.56		ug/m3			03/17/21 23:42	1
1,3,5-Trimethylbenzene	2.3		0.39		ug/m3			03/17/21 23:42	1
1,3-Dichlorobenzene	ND		0.48		ug/m3			03/17/21 23:42	1
1,4-Dichlorobenzene	ND		0.48		ug/m3			03/17/21 23:42	1
1,4-Dioxane	ND		0.72		ug/m3			03/17/21 23:42	1
2,2,4-Trimethylpentane	13		0.93		ug/m3			03/17/21 23:42	1
2-Butanone	3.6		0.94		ug/m3			03/17/21 23:42	1
4-Methyl-2-pentanone (MIBK)	3.7		0.82		ug/m3			03/17/21 23:42	1
Benzene	5.6		0.26		ug/m3			03/17/21 23:42	1
Benzyl chloride	ND		0.83		ug/m3			03/17/21 23:42	1
Bromodichloromethane	ND		0.54		ug/m3			03/17/21 23:42	1
Bromoform	ND		0.83		ug/m3			03/17/21 23:42	1
Bromomethane	ND		0.31		ug/m3			03/17/21 23:42	1
Carbon tetrachloride	0.51		0.20		ug/m3			03/17/21 23:42	1
Chlorobenzene	ND		0.37		ug/m3			03/17/21 23:42	1
Chloroethane	ND		0.21		ug/m3			03/17/21 23:42	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22291-1

Client Sample ID: 224121-IAB-95

Lab Sample ID: 140-22291-10

Date Collected: 03/12/21 07:36

Matrix: Air

Date Received: 03/15/21 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	ND		0.39		ug/m3			03/17/21 23:42	1
Chloromethane	1.0		0.41		ug/m3			03/17/21 23:42	1
cis-1,2-Dichloroethene	ND		0.16		ug/m3			03/17/21 23:42	1
cis-1,3-Dichloropropene	ND		0.36		ug/m3			03/17/21 23:42	1
Cyclohexane	6.9		0.69		ug/m3			03/17/21 23:42	1
Dibromochloromethane	ND		0.68		ug/m3			03/17/21 23:42	1
Dichlorodifluoromethane	0.76		0.40		ug/m3			03/17/21 23:42	1
Ethanol	64		3.8		ug/m3			03/17/21 23:42	1
Ethylbenzene	5.0		0.35		ug/m3			03/17/21 23:42	1
Hexachlorobutadiene	ND		0.85		ug/m3			03/17/21 23:42	1
Hexane	16		0.70		ug/m3			03/17/21 23:42	1
Methyl tert-butyl ether	ND		0.58		ug/m3			03/17/21 23:42	1
Methylene Chloride	14		1.4		ug/m3			03/17/21 23:42	1
m-Xylene & p-Xylene	17		0.35		ug/m3			03/17/21 23:42	1
Naphthalene	ND		1.0		ug/m3			03/17/21 23:42	1
o-Xylene	5.7		0.35		ug/m3			03/17/21 23:42	1
Styrene	0.55		0.34		ug/m3			03/17/21 23:42	1
t-Butyl alcohol	ND		0.97		ug/m3			03/17/21 23:42	1
Tetrachloroethene	0.74		0.54		ug/m3			03/17/21 23:42	1
Toluene	27		0.45		ug/m3			03/17/21 23:42	1
trans-1,2-Dichloroethene	ND		0.32		ug/m3			03/17/21 23:42	1
trans-1,3-Dichloropropene	ND		0.36		ug/m3			03/17/21 23:42	1
Trichloroethene	ND		0.19		ug/m3			03/17/21 23:42	1
Trichlorofluoromethane	1.2		0.45		ug/m3			03/17/21 23:42	1
Vinyl chloride	ND		0.10		ug/m3			03/17/21 23:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		60 - 140					03/17/21 23:42	1

Client Sample ID: 224121-SS-96

Lab Sample ID: 140-22291-11

Date Collected: 03/12/21 08:03

Matrix: Air

Date Received: 03/15/21 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.83		0.080		ppb v/v			03/18/21 00:35	1
1,1,2,2-Tetrachloroethane	ND		0.080		ppb v/v			03/18/21 00:35	1
1,1,2-Trichloroethane	ND		0.080		ppb v/v			03/18/21 00:35	1
1,1,2-Trichlorotrifluoroethane	ND		0.080		ppb v/v			03/18/21 00:35	1
1,1-Dichloroethane	0.17		0.080		ppb v/v			03/18/21 00:35	1
1,1-Dichloroethene	ND		0.040		ppb v/v			03/18/21 00:35	1
1,2,4-Trichlorobenzene	ND		0.080		ppb v/v			03/18/21 00:35	1
1,2,4-Trimethylbenzene	0.20		0.080		ppb v/v			03/18/21 00:35	1
1,2-Dibromoethane	ND		0.080		ppb v/v			03/18/21 00:35	1
1,2-Dichlorobenzene	ND		0.080		ppb v/v			03/18/21 00:35	1
1,2-Dichloroethane	0.54		0.080		ppb v/v			03/18/21 00:35	1
1,2-Dichloropropane	ND		0.080		ppb v/v			03/18/21 00:35	1
1,2-Dichlorotetrafluoroethane	ND		0.080		ppb v/v			03/18/21 00:35	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22291-1

Client Sample ID: 224121-SS-96

Lab Sample ID: 140-22291-11

Date Collected: 03/12/21 08:03

Matrix: Air

Date Received: 03/15/21 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trimethylbenzene	0.096		0.080		ppb v/v			03/18/21 00:35	1
1,3-Dichlorobenzene	ND		0.080		ppb v/v			03/18/21 00:35	1
1,4-Dichlorobenzene	ND		0.080		ppb v/v			03/18/21 00:35	1
1,4-Dioxane	1.2		0.20		ppb v/v			03/18/21 00:35	1
2,2,4-Trimethylpentane	ND		0.20		ppb v/v			03/18/21 00:35	1
2-Butanone	6.4		0.32		ppb v/v			03/18/21 00:35	1
4-Methyl-2-pentanone (MIBK)	0.52		0.20		ppb v/v			03/18/21 00:35	1
Benzene	0.26		0.080		ppb v/v			03/18/21 00:35	1
Benzyl chloride	ND		0.16		ppb v/v			03/18/21 00:35	1
Bromodichloromethane	ND		0.080		ppb v/v			03/18/21 00:35	1
Bromoform	ND		0.080		ppb v/v			03/18/21 00:35	1
Bromomethane	ND		0.080		ppb v/v			03/18/21 00:35	1
Carbon tetrachloride	0.044		0.032		ppb v/v			03/18/21 00:35	1
Chlorobenzene	ND		0.080		ppb v/v			03/18/21 00:35	1
Chloroethane	0.51		0.080		ppb v/v			03/18/21 00:35	1
Chloroform	1.7		0.080		ppb v/v			03/18/21 00:35	1
Chloromethane	ND		0.20		ppb v/v			03/18/21 00:35	1
cis-1,2-Dichloroethene	ND		0.040		ppb v/v			03/18/21 00:35	1
cis-1,3-Dichloropropene	ND		0.080		ppb v/v			03/18/21 00:35	1
Cyclohexane	0.40	CI	0.20		ppb v/v			03/18/21 00:35	1
Dibromochloromethane	ND		0.080		ppb v/v			03/18/21 00:35	1
Dichlorodifluoromethane	0.20		0.080		ppb v/v			03/18/21 00:35	1
Ethanol	70		2.0		ppb v/v			03/18/21 00:35	1
Ethylbenzene	0.12		0.080		ppb v/v			03/18/21 00:35	1
Hexachlorobutadiene	ND		0.080		ppb v/v			03/18/21 00:35	1
Hexane	0.96		0.20		ppb v/v			03/18/21 00:35	1
Methyl tert-butyl ether	0.18		0.16		ppb v/v			03/18/21 00:35	1
Methylene Chloride	3.7		0.40		ppb v/v			03/18/21 00:35	1
m-Xylene & p-Xylene	0.40		0.080		ppb v/v			03/18/21 00:35	1
Naphthalene	ND		0.20		ppb v/v			03/18/21 00:35	1
o-Xylene	0.22		0.080		ppb v/v			03/18/21 00:35	1
Styrene	ND		0.080		ppb v/v			03/18/21 00:35	1
t-Butyl alcohol	2.3		0.32		ppb v/v			03/18/21 00:35	1
Tetrachloroethene	3.8		0.080		ppb v/v			03/18/21 00:35	1
Toluene	0.91		0.12		ppb v/v			03/18/21 00:35	1
trans-1,2-Dichloroethene	ND		0.080		ppb v/v			03/18/21 00:35	1
trans-1,3-Dichloropropene	ND		0.080		ppb v/v			03/18/21 00:35	1
Trichloroethene	0.64		0.036		ppb v/v			03/18/21 00:35	1
Trichlorofluoromethane	0.96		0.080		ppb v/v			03/18/21 00:35	1
Vinyl chloride	0.32		0.040		ppb v/v			03/18/21 00:35	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.5		0.44		ug/m3			03/18/21 00:35	1
1,1,2,2-Tetrachloroethane	ND		0.55		ug/m3			03/18/21 00:35	1
1,1,2-Trichloroethane	ND		0.44		ug/m3			03/18/21 00:35	1
1,1,2-Trichlorotrifluoroethane	ND		0.61		ug/m3			03/18/21 00:35	1
1,1-Dichloroethane	0.69		0.32		ug/m3			03/18/21 00:35	1
1,1-Dichloroethene	ND		0.16		ug/m3			03/18/21 00:35	1
1,2,4-Trichlorobenzene	ND		0.59		ug/m3			03/18/21 00:35	1

Client Sample Results

Client: New York State D.E.C.
 Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22291-1

Client Sample ID: 224121-SS-96

Lab Sample ID: 140-22291-11

Date Collected: 03/12/21 08:03

Matrix: Air

Date Received: 03/15/21 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	1.0		0.39		ug/m3			03/18/21 00:35	1
1,2-Dibromoethane	ND		0.61		ug/m3			03/18/21 00:35	1
1,2-Dichlorobenzene	ND		0.48		ug/m3			03/18/21 00:35	1
1,2-Dichloroethane	2.2		0.32		ug/m3			03/18/21 00:35	1
1,2-Dichloropropane	ND		0.37		ug/m3			03/18/21 00:35	1
1,2-Dichlorotetrafluoroethane	ND		0.56		ug/m3			03/18/21 00:35	1
1,3,5-Trimethylbenzene	0.47		0.39		ug/m3			03/18/21 00:35	1
1,3-Dichlorobenzene	ND		0.48		ug/m3			03/18/21 00:35	1
1,4-Dichlorobenzene	ND		0.48		ug/m3			03/18/21 00:35	1
1,4-Dioxane	4.2		0.72		ug/m3			03/18/21 00:35	1
2,2,4-Trimethylpentane	ND		0.93		ug/m3			03/18/21 00:35	1
2-Butanone	19		0.94		ug/m3			03/18/21 00:35	1
4-Methyl-2-pentanone (MIBK)	2.1		0.82		ug/m3			03/18/21 00:35	1
Benzene	0.85		0.26		ug/m3			03/18/21 00:35	1
Benzyl chloride	ND		0.83		ug/m3			03/18/21 00:35	1
Bromodichloromethane	ND		0.54		ug/m3			03/18/21 00:35	1
Bromoform	ND		0.83		ug/m3			03/18/21 00:35	1
Bromomethane	ND		0.31		ug/m3			03/18/21 00:35	1
Carbon tetrachloride	0.27		0.20		ug/m3			03/18/21 00:35	1
Chlorobenzene	ND		0.37		ug/m3			03/18/21 00:35	1
Chloroethane	1.4		0.21		ug/m3			03/18/21 00:35	1
Chloroform	8.5		0.39		ug/m3			03/18/21 00:35	1
Chloromethane	ND		0.41		ug/m3			03/18/21 00:35	1
cis-1,2-Dichloroethene	ND		0.16		ug/m3			03/18/21 00:35	1
cis-1,3-Dichloropropene	ND		0.36		ug/m3			03/18/21 00:35	1
Cyclohexane	1.4	Cl	0.69		ug/m3			03/18/21 00:35	1
Dibromochloromethane	ND		0.68		ug/m3			03/18/21 00:35	1
Dichlorodifluoromethane	0.98		0.40		ug/m3			03/18/21 00:35	1
Ethanol	130		3.8		ug/m3			03/18/21 00:35	1
Ethylbenzene	0.54		0.35		ug/m3			03/18/21 00:35	1
Hexachlorobutadiene	ND		0.85		ug/m3			03/18/21 00:35	1
Hexane	3.4		0.70		ug/m3			03/18/21 00:35	1
Methyl tert-butyl ether	0.67		0.58		ug/m3			03/18/21 00:35	1
Methylene Chloride	13		1.4		ug/m3			03/18/21 00:35	1
m-Xylene & p-Xylene	1.7		0.35		ug/m3			03/18/21 00:35	1
Naphthalene	ND		1.0		ug/m3			03/18/21 00:35	1
o-Xylene	0.97		0.35		ug/m3			03/18/21 00:35	1
Styrene	ND		0.34		ug/m3			03/18/21 00:35	1
t-Butyl alcohol	6.9		0.97		ug/m3			03/18/21 00:35	1
Tetrachloroethene	25		0.54		ug/m3			03/18/21 00:35	1
Toluene	3.4		0.45		ug/m3			03/18/21 00:35	1
trans-1,2-Dichloroethene	ND		0.32		ug/m3			03/18/21 00:35	1
trans-1,3-Dichloropropene	ND		0.36		ug/m3			03/18/21 00:35	1
Trichloroethene	3.4		0.19		ug/m3			03/18/21 00:35	1
Trichlorofluoromethane	5.4		0.45		ug/m3			03/18/21 00:35	1
Vinyl chloride	0.82		0.10		ug/m3			03/18/21 00:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		60 - 140					03/18/21 00:35	1

Client Sample Results

Client: New York State D.E.C.
 Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22291-1

Client Sample ID: 224121-IA-96

Lab Sample ID: 140-22291-12

Date Collected: 03/12/21 08:04

Matrix: Air

Date Received: 03/15/21 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.080		ppb v/v			03/18/21 01:27	1
1,1,2,2-Tetrachloroethane	ND		0.080		ppb v/v			03/18/21 01:27	1
1,1,2-Trichloroethane	ND		0.080		ppb v/v			03/18/21 01:27	1
1,1,2-Trichlorotrifluoroethane	ND		0.080		ppb v/v			03/18/21 01:27	1
1,1-Dichloroethane	ND		0.080		ppb v/v			03/18/21 01:27	1
1,1-Dichloroethene	ND		0.040		ppb v/v			03/18/21 01:27	1
1,2,4-Trichlorobenzene	ND		0.080		ppb v/v			03/18/21 01:27	1
1,2,4-Trimethylbenzene	2.2		0.080		ppb v/v			03/18/21 01:27	1
1,2-Dibromoethane	ND		0.080		ppb v/v			03/18/21 01:27	1
1,2-Dichlorobenzene	ND		0.080		ppb v/v			03/18/21 01:27	1
1,2-Dichloroethane	ND		0.080		ppb v/v			03/18/21 01:27	1
1,2-Dichloropropane	ND		0.080		ppb v/v			03/18/21 01:27	1
1,2-Dichlorotetrafluoroethane	ND		0.080		ppb v/v			03/18/21 01:27	1
1,3,5-Trimethylbenzene	0.61		0.080		ppb v/v			03/18/21 01:27	1
1,3-Dichlorobenzene	ND		0.080		ppb v/v			03/18/21 01:27	1
1,4-Dichlorobenzene	ND		0.080		ppb v/v			03/18/21 01:27	1
1,4-Dioxane	ND		0.20		ppb v/v			03/18/21 01:27	1
2,2,4-Trimethylpentane	1.9		0.20		ppb v/v			03/18/21 01:27	1
2-Butanone	0.75		0.32		ppb v/v			03/18/21 01:27	1
4-Methyl-2-pentanone (MIBK)	1.4		0.20		ppb v/v			03/18/21 01:27	1
Benzene	1.1		0.080		ppb v/v			03/18/21 01:27	1
Benzyl chloride	ND		0.16		ppb v/v			03/18/21 01:27	1
Bromodichloromethane	ND		0.080		ppb v/v			03/18/21 01:27	1
Bromoform	ND		0.080		ppb v/v			03/18/21 01:27	1
Bromomethane	ND		0.080		ppb v/v			03/18/21 01:27	1
Carbon tetrachloride	0.089		0.032		ppb v/v			03/18/21 01:27	1
Chlorobenzene	ND		0.080		ppb v/v			03/18/21 01:27	1
Chloroethane	ND		0.080		ppb v/v			03/18/21 01:27	1
Chloroform	ND		0.080		ppb v/v			03/18/21 01:27	1
Chloromethane	0.43		0.20		ppb v/v			03/18/21 01:27	1
cis-1,2-Dichloroethene	ND		0.040		ppb v/v			03/18/21 01:27	1
cis-1,3-Dichloropropene	ND		0.080		ppb v/v			03/18/21 01:27	1
Cyclohexane	1.5		0.20		ppb v/v			03/18/21 01:27	1
Dibromochloromethane	ND		0.080		ppb v/v			03/18/21 01:27	1
Dichlorodifluoromethane	0.16		0.080		ppb v/v			03/18/21 01:27	1
Ethanol	19		2.0		ppb v/v			03/18/21 01:27	1
Ethylbenzene	1.1		0.080		ppb v/v			03/18/21 01:27	1
Hexachlorobutadiene	ND		0.080		ppb v/v			03/18/21 01:27	1
Hexane	3.3		0.20		ppb v/v			03/18/21 01:27	1
Methyl tert-butyl ether	ND		0.16		ppb v/v			03/18/21 01:27	1
Methylene Chloride	3.9		0.40		ppb v/v			03/18/21 01:27	1
m-Xylene & p-Xylene	3.7		0.080		ppb v/v			03/18/21 01:27	1
Naphthalene	ND		0.20		ppb v/v			03/18/21 01:27	1
o-Xylene	1.3		0.080		ppb v/v			03/18/21 01:27	1
Styrene	0.12		0.080		ppb v/v			03/18/21 01:27	1
t-Butyl alcohol	ND		0.32		ppb v/v			03/18/21 01:27	1
Tetrachloroethene	0.093		0.080		ppb v/v			03/18/21 01:27	1
Toluene	6.5		0.12		ppb v/v			03/18/21 01:27	1

Client Sample Results

Client: New York State D.E.C.
 Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22291-1

Client Sample ID: 224121-IA-96

Lab Sample ID: 140-22291-12

Date Collected: 03/12/21 08:04

Matrix: Air

Date Received: 03/15/21 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		0.080		ppb v/v			03/18/21 01:27	1
trans-1,3-Dichloropropene	ND		0.080		ppb v/v			03/18/21 01:27	1
Trichloroethene	ND		0.036		ppb v/v			03/18/21 01:27	1
Trichlorofluoromethane	0.22		0.080		ppb v/v			03/18/21 01:27	1
Vinyl chloride	ND		0.040		ppb v/v			03/18/21 01:27	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.44		ug/m3			03/18/21 01:27	1
1,1,2,2-Tetrachloroethane	ND		0.55		ug/m3			03/18/21 01:27	1
1,1,2-Trichloroethane	ND		0.44		ug/m3			03/18/21 01:27	1
1,1,2-Trichlorotrifluoroethane	ND		0.61		ug/m3			03/18/21 01:27	1
1,1-Dichloroethane	ND		0.32		ug/m3			03/18/21 01:27	1
1,1-Dichloroethene	ND		0.16		ug/m3			03/18/21 01:27	1
1,2,4-Trichlorobenzene	ND		0.59		ug/m3			03/18/21 01:27	1
1,2,4-Trimethylbenzene	11		0.39		ug/m3			03/18/21 01:27	1
1,2-Dibromoethane	ND		0.61		ug/m3			03/18/21 01:27	1
1,2-Dichlorobenzene	ND		0.48		ug/m3			03/18/21 01:27	1
1,2-Dichloroethane	ND		0.32		ug/m3			03/18/21 01:27	1
1,2-Dichloropropane	ND		0.37		ug/m3			03/18/21 01:27	1
1,2-Dichlorotetrafluoroethane	ND		0.56		ug/m3			03/18/21 01:27	1
1,3,5-Trimethylbenzene	3.0		0.39		ug/m3			03/18/21 01:27	1
1,3-Dichlorobenzene	ND		0.48		ug/m3			03/18/21 01:27	1
1,4-Dichlorobenzene	ND		0.48		ug/m3			03/18/21 01:27	1
1,4-Dioxane	ND		0.72		ug/m3			03/18/21 01:27	1
2,2,4-Trimethylpentane	9.0		0.93		ug/m3			03/18/21 01:27	1
2-Butanone	2.2		0.94		ug/m3			03/18/21 01:27	1
4-Methyl-2-pentanone (MIBK)	5.9		0.82		ug/m3			03/18/21 01:27	1
Benzene	3.6		0.26		ug/m3			03/18/21 01:27	1
Benzyl chloride	ND		0.83		ug/m3			03/18/21 01:27	1
Bromodichloromethane	ND		0.54		ug/m3			03/18/21 01:27	1
Bromoform	ND		0.83		ug/m3			03/18/21 01:27	1
Bromomethane	ND		0.31		ug/m3			03/18/21 01:27	1
Carbon tetrachloride	0.56		0.20		ug/m3			03/18/21 01:27	1
Chlorobenzene	ND		0.37		ug/m3			03/18/21 01:27	1
Chloroethane	ND		0.21		ug/m3			03/18/21 01:27	1
Chloroform	ND		0.39		ug/m3			03/18/21 01:27	1
Chloromethane	0.89		0.41		ug/m3			03/18/21 01:27	1
cis-1,2-Dichloroethene	ND		0.16		ug/m3			03/18/21 01:27	1
cis-1,3-Dichloropropene	ND		0.36		ug/m3			03/18/21 01:27	1
Cyclohexane	5.1		0.69		ug/m3			03/18/21 01:27	1
Dibromochloromethane	ND		0.68		ug/m3			03/18/21 01:27	1
Dichlorodifluoromethane	0.78		0.40		ug/m3			03/18/21 01:27	1
Ethanol	36		3.8		ug/m3			03/18/21 01:27	1
Ethylbenzene	4.7		0.35		ug/m3			03/18/21 01:27	1
Hexachlorobutadiene	ND		0.85		ug/m3			03/18/21 01:27	1
Hexane	11		0.70		ug/m3			03/18/21 01:27	1
Methyl tert-butyl ether	ND		0.58		ug/m3			03/18/21 01:27	1
Methylene Chloride	14		1.4		ug/m3			03/18/21 01:27	1
m-Xylene & p-Xylene	16		0.35		ug/m3			03/18/21 01:27	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22291-1

Client Sample ID: 224121-IA-96

Lab Sample ID: 140-22291-12

Date Collected: 03/12/21 08:04

Matrix: Air

Date Received: 03/15/21 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		1.0		ug/m3			03/18/21 01:27	1
o-Xylene	5.7		0.35		ug/m3			03/18/21 01:27	1
Styrene	0.49		0.34		ug/m3			03/18/21 01:27	1
t-Butyl alcohol	ND		0.97		ug/m3			03/18/21 01:27	1
Tetrachloroethene	0.63		0.54		ug/m3			03/18/21 01:27	1
Toluene	24		0.45		ug/m3			03/18/21 01:27	1
trans-1,2-Dichloroethene	ND		0.32		ug/m3			03/18/21 01:27	1
trans-1,3-Dichloropropene	ND		0.36		ug/m3			03/18/21 01:27	1
Trichloroethene	ND		0.19		ug/m3			03/18/21 01:27	1
Trichlorofluoromethane	1.2		0.45		ug/m3			03/18/21 01:27	1
Vinyl chloride	ND		0.10		ug/m3			03/18/21 01:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		60 - 140		03/18/21 01:27	1

Client Sample ID: 224121-SS-97

Lab Sample ID: 140-22291-13

Date Collected: 03/12/21 08:39

Matrix: Air

Date Received: 03/15/21 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.80		ppb v/v			03/18/21 02:14	1
1,1,2,2-Tetrachloroethane	ND		0.80		ppb v/v			03/18/21 02:14	1
1,1,2-Trichloroethane	ND		0.80		ppb v/v			03/18/21 02:14	1
1,1,2-Trichlorotrifluoroethane	ND		0.80		ppb v/v			03/18/21 02:14	1
1,1-Dichloroethane	ND		0.80		ppb v/v			03/18/21 02:14	1
1,1-Dichloroethene	ND		0.40		ppb v/v			03/18/21 02:14	1
1,2,4-Trichlorobenzene	ND		0.80		ppb v/v			03/18/21 02:14	1
1,2,4-Trimethylbenzene	7.7		0.80		ppb v/v			03/18/21 02:14	1
1,2-Dibromoethane	ND		0.80		ppb v/v			03/18/21 02:14	1
1,2-Dichlorobenzene	ND		0.80		ppb v/v			03/18/21 02:14	1
1,2-Dichloroethane	1.1		0.80		ppb v/v			03/18/21 02:14	1
1,2-Dichloropropane	ND		0.80		ppb v/v			03/18/21 02:14	1
1,2-Dichlorotetrafluoroethane	ND		0.80		ppb v/v			03/18/21 02:14	1
1,3,5-Trimethylbenzene	2.5		0.80		ppb v/v			03/18/21 02:14	1
1,3-Dichlorobenzene	ND		0.80		ppb v/v			03/18/21 02:14	1
1,4-Dichlorobenzene	ND		0.80		ppb v/v			03/18/21 02:14	1
1,4-Dioxane	ND		2.0		ppb v/v			03/18/21 02:14	1
2,2,4-Trimethylpentane	ND		2.0		ppb v/v			03/18/21 02:14	1
2-Butanone	11		3.2		ppb v/v			03/18/21 02:14	1
4-Methyl-2-pentanone (MIBK)	ND		2.0		ppb v/v			03/18/21 02:14	1
Benzene	2.0		0.80		ppb v/v			03/18/21 02:14	1
Benzyl chloride	ND		1.6		ppb v/v			03/18/21 02:14	1
Bromodichloromethane	ND		0.80		ppb v/v			03/18/21 02:14	1
Bromoform	ND		0.80		ppb v/v			03/18/21 02:14	1
Bromomethane	ND		0.80		ppb v/v			03/18/21 02:14	1
Carbon tetrachloride	ND		0.32		ppb v/v			03/18/21 02:14	1
Chlorobenzene	ND		0.80		ppb v/v			03/18/21 02:14	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22291-1

Client Sample ID: 224121-SS-97

Lab Sample ID: 140-22291-13

Date Collected: 03/12/21 08:39

Matrix: Air

Date Received: 03/15/21 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	0.91		0.80		ppb v/v			03/18/21 02:14	1
Chloroform	1.1		0.80		ppb v/v			03/18/21 02:14	1
Chloromethane	ND		2.0		ppb v/v			03/18/21 02:14	1
cis-1,2-Dichloroethene	ND		0.40		ppb v/v			03/18/21 02:14	1
cis-1,3-Dichloropropene	ND		0.80		ppb v/v			03/18/21 02:14	1
Cyclohexane	ND		2.0		ppb v/v			03/18/21 02:14	1
Dibromochloromethane	ND		0.80		ppb v/v			03/18/21 02:14	1
Dichlorodifluoromethane	ND		0.80		ppb v/v			03/18/21 02:14	1
Ethanol	ND		20		ppb v/v			03/18/21 02:14	1
Ethylbenzene	ND		0.80		ppb v/v			03/18/21 02:14	1
Hexachlorobutadiene	ND		0.80		ppb v/v			03/18/21 02:14	1
Hexane	42		2.0		ppb v/v			03/18/21 02:14	1
Methyl tert-butyl ether	ND		1.6		ppb v/v			03/18/21 02:14	1
Methylene Chloride	ND		4.0		ppb v/v			03/18/21 02:14	1
m-Xylene & p-Xylene	1.9		0.80		ppb v/v			03/18/21 02:14	1
Naphthalene	5.1		2.0		ppb v/v			03/18/21 02:14	1
o-Xylene	0.95		0.80		ppb v/v			03/18/21 02:14	1
Styrene	ND		0.80		ppb v/v			03/18/21 02:14	1
t-Butyl alcohol	3.6		3.2		ppb v/v			03/18/21 02:14	1
Tetrachloroethene	160		0.80		ppb v/v			03/18/21 02:14	1
Toluene	2.1		1.2		ppb v/v			03/18/21 02:14	1
trans-1,2-Dichloroethene	ND		0.80		ppb v/v			03/18/21 02:14	1
trans-1,3-Dichloropropene	ND		0.80		ppb v/v			03/18/21 02:14	1
Trichloroethene	6.5		0.36		ppb v/v			03/18/21 02:14	1
Trichlorofluoromethane	1.8		0.80		ppb v/v			03/18/21 02:14	1
Vinyl chloride	0.75		0.40		ppb v/v			03/18/21 02:14	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.4		ug/m3			03/18/21 02:14	1
1,1,2,2-Tetrachloroethane	ND		5.5		ug/m3			03/18/21 02:14	1
1,1,2-Trichloroethane	ND		4.4		ug/m3			03/18/21 02:14	1
1,1,2-Trichlorotrifluoroethane	ND		6.1		ug/m3			03/18/21 02:14	1
1,1-Dichloroethane	ND		3.2		ug/m3			03/18/21 02:14	1
1,1-Dichloroethene	ND		1.6		ug/m3			03/18/21 02:14	1
1,2,4-Trichlorobenzene	ND		5.9		ug/m3			03/18/21 02:14	1
1,2,4-Trimethylbenzene	38		3.9		ug/m3			03/18/21 02:14	1
1,2-Dibromoethane	ND		6.1		ug/m3			03/18/21 02:14	1
1,2-Dichlorobenzene	ND		4.8		ug/m3			03/18/21 02:14	1
1,2-Dichloroethane	4.6		3.2		ug/m3			03/18/21 02:14	1
1,2-Dichloropropane	ND		3.7		ug/m3			03/18/21 02:14	1
1,2-Dichlorotetrafluoroethane	ND		5.6		ug/m3			03/18/21 02:14	1
1,3,5-Trimethylbenzene	12		3.9		ug/m3			03/18/21 02:14	1
1,3-Dichlorobenzene	ND		4.8		ug/m3			03/18/21 02:14	1
1,4-Dichlorobenzene	ND		4.8		ug/m3			03/18/21 02:14	1
1,4-Dioxane	ND		7.2		ug/m3			03/18/21 02:14	1
2,2,4-Trimethylpentane	ND		9.3		ug/m3			03/18/21 02:14	1
2-Butanone	32		9.4		ug/m3			03/18/21 02:14	1
4-Methyl-2-pentanone (MIBK)	ND		8.2		ug/m3			03/18/21 02:14	1
Benzene	6.5		2.6		ug/m3			03/18/21 02:14	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22291-1

Client Sample ID: 224121-SS-97

Lab Sample ID: 140-22291-13

Date Collected: 03/12/21 08:39

Matrix: Air

Date Received: 03/15/21 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzyl chloride	ND		8.3		ug/m3			03/18/21 02:14	1
Bromodichloromethane	ND		5.4		ug/m3			03/18/21 02:14	1
Bromoform	ND		8.3		ug/m3			03/18/21 02:14	1
Bromomethane	ND		3.1		ug/m3			03/18/21 02:14	1
Carbon tetrachloride	ND		2.0		ug/m3			03/18/21 02:14	1
Chlorobenzene	ND		3.7		ug/m3			03/18/21 02:14	1
Chloroethane	2.4		2.1		ug/m3			03/18/21 02:14	1
Chloroform	5.6		3.9		ug/m3			03/18/21 02:14	1
Chloromethane	ND		4.1		ug/m3			03/18/21 02:14	1
cis-1,2-Dichloroethene	ND		1.6		ug/m3			03/18/21 02:14	1
cis-1,3-Dichloropropene	ND		3.6		ug/m3			03/18/21 02:14	1
Cyclohexane	ND		6.9		ug/m3			03/18/21 02:14	1
Dibromochloromethane	ND		6.8		ug/m3			03/18/21 02:14	1
Dichlorodifluoromethane	ND		4.0		ug/m3			03/18/21 02:14	1
Ethanol	ND		38		ug/m3			03/18/21 02:14	1
Ethylbenzene	ND		3.5		ug/m3			03/18/21 02:14	1
Hexachlorobutadiene	ND		8.5		ug/m3			03/18/21 02:14	1
Hexane	150		7.0		ug/m3			03/18/21 02:14	1
Methyl tert-butyl ether	ND		5.8		ug/m3			03/18/21 02:14	1
Methylene Chloride	ND		14		ug/m3			03/18/21 02:14	1
m-Xylene & p-Xylene	8.2		3.5		ug/m3			03/18/21 02:14	1
Naphthalene	27		10		ug/m3			03/18/21 02:14	1
o-Xylene	4.1		3.5		ug/m3			03/18/21 02:14	1
Styrene	ND		3.4		ug/m3			03/18/21 02:14	1
t-Butyl alcohol	11		9.7		ug/m3			03/18/21 02:14	1
Tetrachloroethene	1100		5.4		ug/m3			03/18/21 02:14	1
Toluene	7.9		4.5		ug/m3			03/18/21 02:14	1
trans-1,2-Dichloroethene	ND		3.2		ug/m3			03/18/21 02:14	1
trans-1,3-Dichloropropene	ND		3.6		ug/m3			03/18/21 02:14	1
Trichloroethene	35		1.9		ug/m3			03/18/21 02:14	1
Trichlorofluoromethane	10		4.5		ug/m3			03/18/21 02:14	1
Vinyl chloride	1.9		1.0		ug/m3			03/18/21 02:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		60 - 140		03/18/21 02:14	1

Client Sample ID: 224121-IA-97

Lab Sample ID: 140-22291-14

Date Collected: 03/12/21 08:40

Matrix: Air

Date Received: 03/15/21 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.080		ppb v/v			03/18/21 03:07	1
1,1,2,2-Tetrachloroethane	ND		0.080		ppb v/v			03/18/21 03:07	1
1,1,2-Trichloroethane	ND		0.080		ppb v/v			03/18/21 03:07	1
1,1,2-Trichlorotrifluoroethane	ND		0.080		ppb v/v			03/18/21 03:07	1
1,1-Dichloroethane	ND		0.080		ppb v/v			03/18/21 03:07	1
1,1-Dichloroethene	ND		0.040		ppb v/v			03/18/21 03:07	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22291-1

Client Sample ID: 224121-IA-97

Lab Sample ID: 140-22291-14

Date Collected: 03/12/21 08:40

Matrix: Air

Date Received: 03/15/21 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.080		ppb v/v			03/18/21 03:07	1
1,2,4-Trimethylbenzene	0.75		0.080		ppb v/v			03/18/21 03:07	1
1,2-Dibromoethane	ND		0.080		ppb v/v			03/18/21 03:07	1
1,2-Dichlorobenzene	ND		0.080		ppb v/v			03/18/21 03:07	1
1,2-Dichloroethane	ND		0.080		ppb v/v			03/18/21 03:07	1
1,2-Dichloropropane	ND		0.080		ppb v/v			03/18/21 03:07	1
1,2-Dichlorotetrafluoroethane	ND		0.080		ppb v/v			03/18/21 03:07	1
1,3,5-Trimethylbenzene	0.21		0.080		ppb v/v			03/18/21 03:07	1
1,3-Dichlorobenzene	ND		0.080		ppb v/v			03/18/21 03:07	1
1,4-Dichlorobenzene	ND		0.080		ppb v/v			03/18/21 03:07	1
1,4-Dioxane	ND		0.20		ppb v/v			03/18/21 03:07	1
2,2,4-Trimethylpentane	2.6		0.20		ppb v/v			03/18/21 03:07	1
2-Butanone	0.85		0.32		ppb v/v			03/18/21 03:07	1
4-Methyl-2-pentanone (MIBK)	0.80		0.20		ppb v/v			03/18/21 03:07	1
Benzene	1.3		0.080		ppb v/v			03/18/21 03:07	1
Benzyl chloride	ND		0.16		ppb v/v			03/18/21 03:07	1
Bromodichloromethane	ND		0.080		ppb v/v			03/18/21 03:07	1
Bromoform	ND		0.080		ppb v/v			03/18/21 03:07	1
Bromomethane	ND		0.080		ppb v/v			03/18/21 03:07	1
Carbon tetrachloride	0.088		0.032		ppb v/v			03/18/21 03:07	1
Chlorobenzene	ND		0.080		ppb v/v			03/18/21 03:07	1
Chloroethane	ND		0.080		ppb v/v			03/18/21 03:07	1
Chloroform	ND		0.080		ppb v/v			03/18/21 03:07	1
Chloromethane	0.38		0.20		ppb v/v			03/18/21 03:07	1
cis-1,2-Dichloroethene	ND		0.040		ppb v/v			03/18/21 03:07	1
cis-1,3-Dichloropropene	ND		0.080		ppb v/v			03/18/21 03:07	1
Cyclohexane	1.8		0.20		ppb v/v			03/18/21 03:07	1
Dibromochloromethane	ND		0.080		ppb v/v			03/18/21 03:07	1
Dichlorodifluoromethane	0.15		0.080		ppb v/v			03/18/21 03:07	1
Ethanol	23		2.0		ppb v/v			03/18/21 03:07	1
Ethylbenzene	0.80		0.080		ppb v/v			03/18/21 03:07	1
Hexachlorobutadiene	ND		0.080		ppb v/v			03/18/21 03:07	1
Hexane	3.9		0.20		ppb v/v			03/18/21 03:07	1
Methyl tert-butyl ether	ND		0.16		ppb v/v			03/18/21 03:07	1
Methylene Chloride	3.6		0.40		ppb v/v			03/18/21 03:07	1
m-Xylene & p-Xylene	2.8		0.080		ppb v/v			03/18/21 03:07	1
Naphthalene	ND		0.20		ppb v/v			03/18/21 03:07	1
o-Xylene	0.93		0.080		ppb v/v			03/18/21 03:07	1
Styrene	ND		0.080		ppb v/v			03/18/21 03:07	1
t-Butyl alcohol	ND		0.32		ppb v/v			03/18/21 03:07	1
Tetrachloroethene	0.28		0.080		ppb v/v			03/18/21 03:07	1
Toluene	5.9		0.12		ppb v/v			03/18/21 03:07	1
trans-1,2-Dichloroethene	ND		0.080		ppb v/v			03/18/21 03:07	1
trans-1,3-Dichloropropene	ND		0.080		ppb v/v			03/18/21 03:07	1
Trichloroethene	ND		0.036		ppb v/v			03/18/21 03:07	1
Trichlorofluoromethane	0.19		0.080		ppb v/v			03/18/21 03:07	1
Vinyl chloride	ND		0.040		ppb v/v			03/18/21 03:07	1

Client Sample Results

Client: New York State D.E.C.
 Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22291-1

Client Sample ID: 224121-IA-97

Lab Sample ID: 140-22291-14

Date Collected: 03/12/21 08:40

Matrix: Air

Date Received: 03/15/21 09:45

Sample Container: Summa Canister 6L

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.44		ug/m3			03/18/21 03:07	1
1,1,2,2-Tetrachloroethane	ND		0.55		ug/m3			03/18/21 03:07	1
1,1,2-Trichloroethane	ND		0.44		ug/m3			03/18/21 03:07	1
1,1,2-Trichlorotrifluoroethane	ND		0.61		ug/m3			03/18/21 03:07	1
1,1-Dichloroethane	ND		0.32		ug/m3			03/18/21 03:07	1
1,1-Dichloroethene	ND		0.16		ug/m3			03/18/21 03:07	1
1,2,4-Trichlorobenzene	ND		0.59		ug/m3			03/18/21 03:07	1
1,2,4-Trimethylbenzene	3.7		0.39		ug/m3			03/18/21 03:07	1
1,2-Dibromoethane	ND		0.61		ug/m3			03/18/21 03:07	1
1,2-Dichlorobenzene	ND		0.48		ug/m3			03/18/21 03:07	1
1,2-Dichloroethane	ND		0.32		ug/m3			03/18/21 03:07	1
1,2-Dichloropropane	ND		0.37		ug/m3			03/18/21 03:07	1
1,2-Dichlorotetrafluoroethane	ND		0.56		ug/m3			03/18/21 03:07	1
1,3,5-Trimethylbenzene	1.0		0.39		ug/m3			03/18/21 03:07	1
1,3-Dichlorobenzene	ND		0.48		ug/m3			03/18/21 03:07	1
1,4-Dichlorobenzene	ND		0.48		ug/m3			03/18/21 03:07	1
1,4-Dioxane	ND		0.72		ug/m3			03/18/21 03:07	1
2,2,4-Trimethylpentane	12		0.93		ug/m3			03/18/21 03:07	1
2-Butanone	2.5		0.94		ug/m3			03/18/21 03:07	1
4-Methyl-2-pentanone (MIBK)	3.3		0.82		ug/m3			03/18/21 03:07	1
Benzene	4.2		0.26		ug/m3			03/18/21 03:07	1
Benzyl chloride	ND		0.83		ug/m3			03/18/21 03:07	1
Bromodichloromethane	ND		0.54		ug/m3			03/18/21 03:07	1
Bromoform	ND		0.83		ug/m3			03/18/21 03:07	1
Bromomethane	ND		0.31		ug/m3			03/18/21 03:07	1
Carbon tetrachloride	0.56		0.20		ug/m3			03/18/21 03:07	1
Chlorobenzene	ND		0.37		ug/m3			03/18/21 03:07	1
Chloroethane	ND		0.21		ug/m3			03/18/21 03:07	1
Chloroform	ND		0.39		ug/m3			03/18/21 03:07	1
Chloromethane	0.79		0.41		ug/m3			03/18/21 03:07	1
cis-1,2-Dichloroethene	ND		0.16		ug/m3			03/18/21 03:07	1
cis-1,3-Dichloropropene	ND		0.36		ug/m3			03/18/21 03:07	1
Cyclohexane	6.2		0.69		ug/m3			03/18/21 03:07	1
Dibromochloromethane	ND		0.68		ug/m3			03/18/21 03:07	1
Dichlorodifluoromethane	0.73		0.40		ug/m3			03/18/21 03:07	1
Ethanol	43		3.8		ug/m3			03/18/21 03:07	1
Ethylbenzene	3.5		0.35		ug/m3			03/18/21 03:07	1
Hexachlorobutadiene	ND		0.85		ug/m3			03/18/21 03:07	1
Hexane	14		0.70		ug/m3			03/18/21 03:07	1
Methyl tert-butyl ether	ND		0.58		ug/m3			03/18/21 03:07	1
Methylene Chloride	12		1.4		ug/m3			03/18/21 03:07	1
m-Xylene & p-Xylene	12		0.35		ug/m3			03/18/21 03:07	1
Naphthalene	ND		1.0		ug/m3			03/18/21 03:07	1
o-Xylene	4.0		0.35		ug/m3			03/18/21 03:07	1
Styrene	ND		0.34		ug/m3			03/18/21 03:07	1
t-Butyl alcohol	ND		0.97		ug/m3			03/18/21 03:07	1
Tetrachloroethene	1.9		0.54		ug/m3			03/18/21 03:07	1
Toluene	22		0.45		ug/m3			03/18/21 03:07	1
trans-1,2-Dichloroethene	ND		0.32		ug/m3			03/18/21 03:07	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22291-1

Client Sample ID: 224121-IA-97

Lab Sample ID: 140-22291-14

Date Collected: 03/12/21 08:40

Matrix: Air

Date Received: 03/15/21 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	ND		0.36		ug/m3			03/18/21 03:07	1
Trichloroethene	ND		0.19		ug/m3			03/18/21 03:07	1
Trichlorofluoromethane	1.1		0.45		ug/m3			03/18/21 03:07	1
Vinyl chloride	ND		0.10		ug/m3			03/18/21 03:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		60 - 140					03/18/21 03:07	1

Client Sample ID: 224121-OA-97

Lab Sample ID: 140-22291-15

Date Collected: 03/12/21 08:32

Matrix: Air

Date Received: 03/15/21 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.080		ppb v/v			03/17/21 16:41	1
1,1,2,2-Tetrachloroethane	ND		0.080		ppb v/v			03/17/21 16:41	1
1,1,2-Trichloroethane	ND		0.080		ppb v/v			03/17/21 16:41	1
1,1,2-Trichlorotrifluoroethane	ND		0.080		ppb v/v			03/17/21 16:41	1
1,1-Dichloroethane	ND		0.080		ppb v/v			03/17/21 16:41	1
1,1-Dichloroethene	ND		0.040		ppb v/v			03/17/21 16:41	1
1,2,4-Trichlorobenzene	ND		0.080		ppb v/v			03/17/21 16:41	1
1,2,4-Trimethylbenzene	0.28		0.080		ppb v/v			03/17/21 16:41	1
1,2-Dibromoethane	ND		0.080		ppb v/v			03/17/21 16:41	1
1,2-Dichlorobenzene	ND		0.080		ppb v/v			03/17/21 16:41	1
1,2-Dichloroethane	ND		0.080		ppb v/v			03/17/21 16:41	1
1,2-Dichloropropane	ND		0.080		ppb v/v			03/17/21 16:41	1
1,2-Dichlorotetrafluoroethane	ND		0.080		ppb v/v			03/17/21 16:41	1
1,3,5-Trimethylbenzene	0.083		0.080		ppb v/v			03/17/21 16:41	1
1,3-Dichlorobenzene	ND		0.080		ppb v/v			03/17/21 16:41	1
1,4-Dichlorobenzene	ND		0.080		ppb v/v			03/17/21 16:41	1
1,4-Dioxane	ND		0.20		ppb v/v			03/17/21 16:41	1
2,2,4-Trimethylpentane	1.2		0.20		ppb v/v			03/17/21 16:41	1
2-Butanone	1.0		0.32		ppb v/v			03/17/21 16:41	1
4-Methyl-2-pentanone (MIBK)	ND		0.20		ppb v/v			03/17/21 16:41	1
Benzene	0.68		0.080		ppb v/v			03/17/21 16:41	1
Benzyl chloride	ND		0.16		ppb v/v			03/17/21 16:41	1
Bromodichloromethane	ND		0.080		ppb v/v			03/17/21 16:41	1
Bromoform	ND		0.080		ppb v/v			03/17/21 16:41	1
Bromomethane	ND		0.080		ppb v/v			03/17/21 16:41	1
Carbon tetrachloride	0.080		0.032		ppb v/v			03/17/21 16:41	1
Chlorobenzene	ND		0.080		ppb v/v			03/17/21 16:41	1
Chloroethane	ND		0.080		ppb v/v			03/17/21 16:41	1
Chloroform	ND		0.080		ppb v/v			03/17/21 16:41	1
Chloromethane	0.56		0.20		ppb v/v			03/17/21 16:41	1
cis-1,2-Dichloroethene	ND		0.040		ppb v/v			03/17/21 16:41	1
cis-1,3-Dichloropropene	ND		0.080		ppb v/v			03/17/21 16:41	1
Cyclohexane	0.86		0.20		ppb v/v			03/17/21 16:41	1
Dibromochloromethane	ND		0.080		ppb v/v			03/17/21 16:41	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22291-1

Client Sample ID: 224121-OA-97

Lab Sample ID: 140-22291-15

Date Collected: 03/12/21 08:32

Matrix: Air

Date Received: 03/15/21 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	0.16		0.080		ppb v/v			03/17/21 16:41	1
Ethanol	21		2.0		ppb v/v			03/17/21 16:41	1
Ethylbenzene	0.61		0.080		ppb v/v			03/17/21 16:41	1
Hexachlorobutadiene	ND		0.080		ppb v/v			03/17/21 16:41	1
Hexane	2.0		0.20		ppb v/v			03/17/21 16:41	1
Methyl tert-butyl ether	ND		0.16		ppb v/v			03/17/21 16:41	1
Methylene Chloride	2.9		0.40		ppb v/v			03/17/21 16:41	1
m-Xylene & p-Xylene	2.2		0.080		ppb v/v			03/17/21 16:41	1
Naphthalene	ND		0.20		ppb v/v			03/17/21 16:41	1
o-Xylene	0.61		0.080		ppb v/v			03/17/21 16:41	1
Styrene	ND		0.080		ppb v/v			03/17/21 16:41	1
t-Butyl alcohol	ND		0.32		ppb v/v			03/17/21 16:41	1
Tetrachloroethene	ND		0.080		ppb v/v			03/17/21 16:41	1
Toluene	4.1		0.12		ppb v/v			03/17/21 16:41	1
trans-1,2-Dichloroethene	ND		0.080		ppb v/v			03/17/21 16:41	1
trans-1,3-Dichloropropene	ND		0.080		ppb v/v			03/17/21 16:41	1
Trichloroethene	ND		0.036		ppb v/v			03/17/21 16:41	1
Trichlorofluoromethane	0.22		0.080		ppb v/v			03/17/21 16:41	1
Vinyl chloride	ND		0.040		ppb v/v			03/17/21 16:41	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.44		ug/m3			03/17/21 16:41	1
1,1,2,2-Tetrachloroethane	ND		0.55		ug/m3			03/17/21 16:41	1
1,1,2-Trichloroethane	ND		0.44		ug/m3			03/17/21 16:41	1
1,1,2-Trichlorotrifluoroethane	ND		0.61		ug/m3			03/17/21 16:41	1
1,1-Dichloroethane	ND		0.32		ug/m3			03/17/21 16:41	1
1,1-Dichloroethene	ND		0.16		ug/m3			03/17/21 16:41	1
1,2,4-Trichlorobenzene	ND		0.59		ug/m3			03/17/21 16:41	1
1,2,4-Trimethylbenzene	1.4		0.39		ug/m3			03/17/21 16:41	1
1,2-Dibromoethane	ND		0.61		ug/m3			03/17/21 16:41	1
1,2-Dichlorobenzene	ND		0.48		ug/m3			03/17/21 16:41	1
1,2-Dichloroethane	ND		0.32		ug/m3			03/17/21 16:41	1
1,2-Dichloropropane	ND		0.37		ug/m3			03/17/21 16:41	1
1,2-Dichlorotetrafluoroethane	ND		0.56		ug/m3			03/17/21 16:41	1
1,3,5-Trimethylbenzene	0.41		0.39		ug/m3			03/17/21 16:41	1
1,3-Dichlorobenzene	ND		0.48		ug/m3			03/17/21 16:41	1
1,4-Dichlorobenzene	ND		0.48		ug/m3			03/17/21 16:41	1
1,4-Dioxane	ND		0.72		ug/m3			03/17/21 16:41	1
2,2,4-Trimethylpentane	5.7		0.93		ug/m3			03/17/21 16:41	1
2-Butanone	3.0		0.94		ug/m3			03/17/21 16:41	1
4-Methyl-2-pentanone (MIBK)	ND		0.82		ug/m3			03/17/21 16:41	1
Benzene	2.2		0.26		ug/m3			03/17/21 16:41	1
Benzyl chloride	ND		0.83		ug/m3			03/17/21 16:41	1
Bromodichloromethane	ND		0.54		ug/m3			03/17/21 16:41	1
Bromoform	ND		0.83		ug/m3			03/17/21 16:41	1
Bromomethane	ND		0.31		ug/m3			03/17/21 16:41	1
Carbon tetrachloride	0.50		0.20		ug/m3			03/17/21 16:41	1
Chlorobenzene	ND		0.37		ug/m3			03/17/21 16:41	1
Chloroethane	ND		0.21		ug/m3			03/17/21 16:41	1

Client Sample Results

Client: New York State D.E.C.
 Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22291-1

Client Sample ID: 224121-OA-97

Lab Sample ID: 140-22291-15

Date Collected: 03/12/21 08:32

Matrix: Air

Date Received: 03/15/21 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	ND		0.39		ug/m3			03/17/21 16:41	1
Chloromethane	1.2		0.41		ug/m3			03/17/21 16:41	1
cis-1,2-Dichloroethene	ND		0.16		ug/m3			03/17/21 16:41	1
cis-1,3-Dichloropropene	ND		0.36		ug/m3			03/17/21 16:41	1
Cyclohexane	3.0		0.69		ug/m3			03/17/21 16:41	1
Dibromochloromethane	ND		0.68		ug/m3			03/17/21 16:41	1
Dichlorodifluoromethane	0.80		0.40		ug/m3			03/17/21 16:41	1
Ethanol	40		3.8		ug/m3			03/17/21 16:41	1
Ethylbenzene	2.6		0.35		ug/m3			03/17/21 16:41	1
Hexachlorobutadiene	ND		0.85		ug/m3			03/17/21 16:41	1
Hexane	7.2		0.70		ug/m3			03/17/21 16:41	1
Methyl tert-butyl ether	ND		0.58		ug/m3			03/17/21 16:41	1
Methylene Chloride	9.9		1.4		ug/m3			03/17/21 16:41	1
m-Xylene & p-Xylene	9.7		0.35		ug/m3			03/17/21 16:41	1
Naphthalene	ND		1.0		ug/m3			03/17/21 16:41	1
o-Xylene	2.7		0.35		ug/m3			03/17/21 16:41	1
Styrene	ND		0.34		ug/m3			03/17/21 16:41	1
t-Butyl alcohol	ND		0.97		ug/m3			03/17/21 16:41	1
Tetrachloroethene	ND		0.54		ug/m3			03/17/21 16:41	1
Toluene	16		0.45		ug/m3			03/17/21 16:41	1
trans-1,2-Dichloroethene	ND		0.32		ug/m3			03/17/21 16:41	1
trans-1,3-Dichloropropene	ND		0.36		ug/m3			03/17/21 16:41	1
Trichloroethene	ND		0.19		ug/m3			03/17/21 16:41	1
Trichlorofluoromethane	1.2		0.45		ug/m3			03/17/21 16:41	1
Vinyl chloride	ND		0.10		ug/m3			03/17/21 16:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		60 - 140					03/17/21 16:41	1

VALIDATA

Chemical Services, Inc.

2159 Wynnton Pointe, Duluth, GA 30097

(770) 232-0130

(770) 232-5082 (Fax)

www.datavalidator.com

DATA USABILITY SUMMARY REPORT

COMPANY: AECOM Technical Services Northeast, Inc.
PROJECT NAME: Meeker Ave. Plume Trackdown #224121
CONTRACTED LAB: Eurofins Test America, Knoxville
QA/QC LEVEL: DUSR
ANALYTICAL METHOD(S): EPA Method TO-15
VALIDATION GUIDELINES: USEPA Region II data validation SOP (VOA-TO15 HW-31 Rev.6, Analysis of VOCs in Air contained in Canisters by Method TO-15, September 2016), Professional Judgment
SAMPLE MATRIX: Air
TYPES OF ANALYSES: Volatile Organic Compounds (VOC)
DATA REVIEWER(S): Amy L. Hogan
SDG NUMBER: 140-22303-1
SAMPLING DATE(S): March 13-14, 2021

SAMPLES:

<u>Client Sample ID</u>	<u>Laboratory ID</u>	<u>VOC</u>
224121-SS-98	140-22303-1	X
224121-IA-98	140-22303-2	X
224121-OA-98	140-22303-3	X
224121-SS-99	140-22303-4	X
224121-IA-99	140-22303-5	X
224121-IA-99DL	140-22303-5DL	X
224121-OA-99	140-22303-6	X

Suffix Codes: DL= DILUTION, MS = MATRIX SPIKE,
MSD = MATRIX SPIKE DUPLICATE, RE = REANALYSIS

Qualifier	Definition
U	The analyte was not detected and was reported as less than the LOD or as defined by the customer. The LOD has been adjusted for any dilution or concentration of the sample.
J	The reported result was an estimated value with an unknown bias.
J+	The result was an estimated quantity, but the result may be biased high.
J-	The result was an estimated quantity, but the result may be biased low.
N	The analysis indicates the presence of an analyte for which there was presumptive evidence to make a "tentative identification."
NJ	The analyte has been "tentatively identified" or "presumptively" as present and the associated numerical value was the estimated concentration in the sample.
UJ	The analyte was not detected and was reported as less than the LOD or as defined by the customer. However, the associated numerical value is approximate.
X	The sample results (including non-detects) were affected by serious deficiencies in the ability to analyze the sample and to meet published method and project quality control criteria. The presence or absence of the analyte cannot be substantiated by the data provided. Acceptance or rejection of the data should be decided by the project team (which should include a project chemist), but exclusion of the data is recommended.

DATA USABILITY SUMMARY

Eurofins Test America, Knoxville – 140-22303-1

VOLATILE ORGANICS

SUMMARY

I.) General:

The analyses for Volatile Organics were performed per EPA Method TO-15.

Appendix A contains the qualified sample summary reports.

II.) Overall Assessment of Data:

All laboratory data were acceptable with qualifications.

It was noted on the Chain of Custody that the samples were received without a custody seal.

III.) Holding Times:

All Holding Time criteria were met. No data qualification was necessary.

IV.) GC/MS Tuning:

All GC/MS Tuning criteria were met. No data qualification was necessary.

V.) Calibration:

Initial Calibration:

All Initial Calibration criteria were met. No data qualification was necessary.

Initial Calibration Verification:

All Initial Calibration Verification criteria were met. No data qualification was necessary.

Continuing Calibration:

The Percent Difference (%D) for the standards run on 3/19/21 at 07:40 on instrument MS was -31.4% for ethanol, which exceeded the 30% QC limit. The ethanol results for the initial analyses of all samples, which were all positive, were qualified as estimated (J).

The Percent Difference (%D) for the standards run on 3/20/21 at 08:14 on instrument MS was -39.2% for ethanol, which exceeded the 30% QC limit. The positive ethanol result for associated sample 224121-IA-99DL was qualified as estimated (J).

VI.) Blanks:

Method Blanks:

There were no detections in the method blanks for this SDG. No data qualification was necessary.

Canister Blanks:

There were no detects in the canister check blanks for this SDG. No data qualification was necessary.

VII.) Surrogate Recoveries:

All Surrogate Recovery criteria were met. No data qualification was necessary.

VIII.) Laboratory Control Samples (LCS):

Two LCS were analyzed by the laboratory for this SDG. The Percent Recoveries (%Rs) for ethanol were 69% for LCS 140-47861 and 61% for LCS 140-47901, which were below the 70-130% QC limits. The ethanol results for all samples, which were all positive, were qualified as estimated (J).

IX.) Field Duplicates:

There were no field duplicate samples identified as part of this SDG. No data qualification was necessary.

XI.) TCL Compound Identification:

All TCL Compound Identification criteria were met. No data qualification was necessary.

XII.) Internal Standards Performance (ISTD):

All ISTD criteria were met. No data qualification was necessary.

XIII.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL):

The initial analysis ethanol result for sample 224121-IA-99 exceeded the linear calibration range. A dilution analysis was performed for the sample with all calibration criteria met. Based on the linear calibration range, the validator has determined that the dilution analysis result for ethanol for the sample was of preferable data quality to the initial analysis result. The over range results in the initial analyses for the listed samples, which were denoted by an "E" were lined through

and replaced with the dilution analysis results.

All other CRQL criteria were met.

Appendix A
Qualified Form Is

Client Sample Results

Client: New York State D.E.C.
 Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22303-1

Client Sample ID: 224121-SS-98

Lab Sample ID: 140-22303-1

Date Collected: 03/13/21 12:04

Matrix: Air

Date Received: 03/16/21 10:25

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.080		ppb v/v			03/19/21 18:14	1
1,1,2,2-Tetrachloroethane	ND		0.080		ppb v/v			03/19/21 18:14	1
1,1,2-Trichloroethane	ND		0.080		ppb v/v			03/19/21 18:14	1
1,1,2-Trichlorotrifluoroethane	ND		0.080		ppb v/v			03/19/21 18:14	1
1,1-Dichloroethane	0.31		0.080		ppb v/v			03/19/21 18:14	1
1,1-Dichloroethene	ND		0.040		ppb v/v			03/19/21 18:14	1
1,2,4-Trichlorobenzene	ND		0.080		ppb v/v			03/19/21 18:14	1
1,2,4-Trimethylbenzene	ND		0.080		ppb v/v			03/19/21 18:14	1
1,2-Dibromoethane	ND		0.080		ppb v/v			03/19/21 18:14	1
1,2-Dichlorobenzene	ND		0.080		ppb v/v			03/19/21 18:14	1
1,2-Dichloroethane	0.60		0.080		ppb v/v			03/19/21 18:14	1
1,2-Dichloropropane	ND		0.080		ppb v/v			03/19/21 18:14	1
1,2-Dichlorotetrafluoroethane	ND		0.080		ppb v/v			03/19/21 18:14	1
1,3,5-Trimethylbenzene	ND		0.080		ppb v/v			03/19/21 18:14	1
1,3-Dichlorobenzene	ND		0.080		ppb v/v			03/19/21 18:14	1
1,4-Dichlorobenzene	ND		0.080		ppb v/v			03/19/21 18:14	1
1,4-Dioxane	ND		0.20		ppb v/v			03/19/21 18:14	1
2,2,4-Trimethylpentane	ND		0.20		ppb v/v			03/19/21 18:14	1
2-Butanone	0.35		0.32		ppb v/v			03/19/21 18:14	1
4-Methyl-2-pentanone (MIBK)	ND		0.20		ppb v/v			03/19/21 18:14	1
Benzene	ND		0.080		ppb v/v			03/19/21 18:14	1
Benzyl chloride	ND		0.16		ppb v/v			03/19/21 18:14	1
Bromodichloromethane	ND		0.080		ppb v/v			03/19/21 18:14	1
Bromoform	ND		0.080		ppb v/v			03/19/21 18:14	1
Bromomethane	ND		0.080		ppb v/v			03/19/21 18:14	1
Carbon tetrachloride	0.087		0.032		ppb v/v			03/19/21 18:14	1
Chlorobenzene	ND		0.080		ppb v/v			03/19/21 18:14	1
Chloroethane	0.31		0.080		ppb v/v			03/19/21 18:14	1
Chloroform	ND		0.080		ppb v/v			03/19/21 18:14	1
Chloromethane	ND		0.20		ppb v/v			03/19/21 18:14	1
cis-1,2-Dichloroethene	ND		0.040		ppb v/v			03/19/21 18:14	1
cis-1,3-Dichloropropene	ND		0.080		ppb v/v			03/19/21 18:14	1
Cyclohexane	ND		0.20		ppb v/v			03/19/21 18:14	1
Dibromochloromethane	ND		0.080		ppb v/v			03/19/21 18:14	1
Dichlorodifluoromethane	0.27		0.080		ppb v/v			03/19/21 18:14	1
Ethanol	2.9		2.0		ppb v/v			03/19/21 18:14	1
Ethylbenzene	ND		0.080		ppb v/v			03/19/21 18:14	1
Hexachlorobutadiene	ND		0.080		ppb v/v			03/19/21 18:14	1
Hexane	ND		0.20		ppb v/v			03/19/21 18:14	1
Methyl tert-butyl ether	ND		0.16		ppb v/v			03/19/21 18:14	1
Methylene Chloride	ND		0.40		ppb v/v			03/19/21 18:14	1
m-Xylene & p-Xylene	0.10		0.080		ppb v/v			03/19/21 18:14	1
Naphthalene	ND		0.20		ppb v/v			03/19/21 18:14	1
o-Xylene	ND		0.080		ppb v/v			03/19/21 18:14	1
Styrene	ND		0.080		ppb v/v			03/19/21 18:14	1
t-Butyl alcohol	ND		0.32		ppb v/v			03/19/21 18:14	1
Tetrachloroethene	0.11		0.080		ppb v/v			03/19/21 18:14	1
Toluene	ND		0.12		ppb v/v			03/19/21 18:14	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22303-1

Client Sample ID: 224121-SS-98

Lab Sample ID: 140-22303-1

Date Collected: 03/13/21 12:04

Matrix: Air

Date Received: 03/16/21 10:25

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		0.080		ppb v/v			03/19/21 18:14	1
trans-1,3-Dichloropropene	ND		0.080		ppb v/v			03/19/21 18:14	1
Trichloroethene	ND		0.036		ppb v/v			03/19/21 18:14	1
Trichlorofluoromethane	0.24		0.080		ppb v/v			03/19/21 18:14	1
Vinyl chloride	0.11		0.040		ppb v/v			03/19/21 18:14	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.44		ug/m3			03/19/21 18:14	1
1,1,2,2-Tetrachloroethane	ND		0.55		ug/m3			03/19/21 18:14	1
1,1,2-Trichloroethane	ND		0.44		ug/m3			03/19/21 18:14	1
1,1,2-Trichlorotrifluoroethane	ND		0.61		ug/m3			03/19/21 18:14	1
1,1-Dichloroethane	1.2		0.32		ug/m3			03/19/21 18:14	1
1,1-Dichloroethene	ND		0.16		ug/m3			03/19/21 18:14	1
1,2,4-Trichlorobenzene	ND		0.59		ug/m3			03/19/21 18:14	1
1,2,4-Trimethylbenzene	ND		0.39		ug/m3			03/19/21 18:14	1
1,2-Dibromoethane	ND		0.61		ug/m3			03/19/21 18:14	1
1,2-Dichlorobenzene	ND		0.48		ug/m3			03/19/21 18:14	1
1,2-Dichloroethane	2.4		0.32		ug/m3			03/19/21 18:14	1
1,2-Dichloropropane	ND		0.37		ug/m3			03/19/21 18:14	1
1,2-Dichlorotetrafluoroethane	ND		0.56		ug/m3			03/19/21 18:14	1
1,3,5-Trimethylbenzene	ND		0.39		ug/m3			03/19/21 18:14	1
1,3-Dichlorobenzene	ND		0.48		ug/m3			03/19/21 18:14	1
1,4-Dichlorobenzene	ND		0.48		ug/m3			03/19/21 18:14	1
1,4-Dioxane	ND		0.72		ug/m3			03/19/21 18:14	1
2,2,4-Trimethylpentane	ND		0.93		ug/m3			03/19/21 18:14	1
2-Butanone	1.0		0.94		ug/m3			03/19/21 18:14	1
4-Methyl-2-pentanone (MIBK)	ND		0.82		ug/m3			03/19/21 18:14	1
Benzene	ND		0.26		ug/m3			03/19/21 18:14	1
Benzyl chloride	ND		0.83		ug/m3			03/19/21 18:14	1
Bromodichloromethane	ND		0.54		ug/m3			03/19/21 18:14	1
Bromoform	ND		0.83		ug/m3			03/19/21 18:14	1
Bromomethane	ND		0.31		ug/m3			03/19/21 18:14	1
Carbon tetrachloride	0.55		0.20		ug/m3			03/19/21 18:14	1
Chlorobenzene	ND		0.37		ug/m3			03/19/21 18:14	1
Chloroethane	0.83		0.21		ug/m3			03/19/21 18:14	1
Chloroform	ND		0.39		ug/m3			03/19/21 18:14	1
Chloromethane	ND		0.41		ug/m3			03/19/21 18:14	1
cis-1,2-Dichloroethene	ND		0.16		ug/m3			03/19/21 18:14	1
cis-1,3-Dichloropropene	ND		0.36		ug/m3			03/19/21 18:14	1
Cyclohexane	ND		0.69		ug/m3			03/19/21 18:14	1
Dibromochloromethane	ND		0.68		ug/m3			03/19/21 18:14	1
Dichlorodifluoromethane	1.3		0.40		ug/m3			03/19/21 18:14	1
Ethanol	5.5	J	3.8		ug/m3			03/19/21 18:14	1
Ethylbenzene	ND		0.35		ug/m3			03/19/21 18:14	1
Hexachlorobutadiene	ND		0.85		ug/m3			03/19/21 18:14	1
Hexane	ND		0.70		ug/m3			03/19/21 18:14	1
Methyl tert-butyl ether	ND		0.58		ug/m3			03/19/21 18:14	1
Methylene Chloride	ND		1.4		ug/m3			03/19/21 18:14	1
m-Xylene & p-Xylene	0.45		0.35		ug/m3			03/19/21 18:14	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22303-1

Client Sample ID: 224121-SS-98

Lab Sample ID: 140-22303-1

Date Collected: 03/13/21 12:04

Matrix: Air

Date Received: 03/16/21 10:25

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		1.0		ug/m3			03/19/21 18:14	1
o-Xylene	ND		0.35		ug/m3			03/19/21 18:14	1
Styrene	ND		0.34		ug/m3			03/19/21 18:14	1
t-Butyl alcohol	ND		0.97		ug/m3			03/19/21 18:14	1
Tetrachloroethene	0.74		0.54		ug/m3			03/19/21 18:14	1
Toluene	ND		0.45		ug/m3			03/19/21 18:14	1
trans-1,2-Dichloroethene	ND		0.32		ug/m3			03/19/21 18:14	1
trans-1,3-Dichloropropene	ND		0.36		ug/m3			03/19/21 18:14	1
Trichloroethene	ND		0.19		ug/m3			03/19/21 18:14	1
Trichlorofluoromethane	1.4		0.45		ug/m3			03/19/21 18:14	1
Vinyl chloride	0.29		0.10		ug/m3			03/19/21 18:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		60 - 140					03/19/21 18:14	1

Client Sample ID: 224121-IA-98

Lab Sample ID: 140-22303-2

Date Collected: 03/13/21 12:05

Matrix: Air

Date Received: 03/16/21 10:25

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.080		ppb v/v			03/19/21 19:04	1
1,1,2,2-Tetrachloroethane	ND		0.080		ppb v/v			03/19/21 19:04	1
1,1,2-Trichloroethane	ND		0.080		ppb v/v			03/19/21 19:04	1
1,1,2-Trichlorotrifluoroethane	ND		0.080		ppb v/v			03/19/21 19:04	1
1,1-Dichloroethane	ND		0.080		ppb v/v			03/19/21 19:04	1
1,1-Dichloroethene	ND		0.040		ppb v/v			03/19/21 19:04	1
1,2,4-Trichlorobenzene	ND		0.080		ppb v/v			03/19/21 19:04	1
1,2,4-Trimethylbenzene	0.096		0.080		ppb v/v			03/19/21 19:04	1
1,2-Dibromoethane	ND		0.080		ppb v/v			03/19/21 19:04	1
1,2-Dichlorobenzene	ND		0.080		ppb v/v			03/19/21 19:04	1
1,2-Dichloroethane	ND		0.080		ppb v/v			03/19/21 19:04	1
1,2-Dichloropropane	ND		0.080		ppb v/v			03/19/21 19:04	1
1,2-Dichlorotetrafluoroethane	ND		0.080		ppb v/v			03/19/21 19:04	1
1,3,5-Trimethylbenzene	ND		0.080		ppb v/v			03/19/21 19:04	1
1,3-Dichlorobenzene	ND		0.080		ppb v/v			03/19/21 19:04	1
1,4-Dichlorobenzene	ND		0.080		ppb v/v			03/19/21 19:04	1
1,4-Dioxane	ND		0.20		ppb v/v			03/19/21 19:04	1
2,2,4-Trimethylpentane	ND		0.20		ppb v/v			03/19/21 19:04	1
2-Butanone	ND		0.32		ppb v/v			03/19/21 19:04	1
4-Methyl-2-pentanone (MIBK)	ND		0.20		ppb v/v			03/19/21 19:04	1
Benzene	0.19		0.080		ppb v/v			03/19/21 19:04	1
Benzyl chloride	ND		0.16		ppb v/v			03/19/21 19:04	1
Bromodichloromethane	ND		0.080		ppb v/v			03/19/21 19:04	1
Bromoform	ND		0.080		ppb v/v			03/19/21 19:04	1
Bromomethane	ND		0.080		ppb v/v			03/19/21 19:04	1
Carbon tetrachloride	0.087		0.032		ppb v/v			03/19/21 19:04	1
Chlorobenzene	ND		0.080		ppb v/v			03/19/21 19:04	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22303-1

Client Sample ID: 224121-IA-98

Lab Sample ID: 140-22303-2

Date Collected: 03/13/21 12:05

Matrix: Air

Date Received: 03/16/21 10:25

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	ND		0.080		ppb v/v			03/19/21 19:04	1
Chloroform	0.11		0.080		ppb v/v			03/19/21 19:04	1
Chloromethane	0.70		0.20		ppb v/v			03/19/21 19:04	1
cis-1,2-Dichloroethene	ND		0.040		ppb v/v			03/19/21 19:04	1
cis-1,3-Dichloropropene	ND		0.080		ppb v/v			03/19/21 19:04	1
Cyclohexane	ND		0.20		ppb v/v			03/19/21 19:04	1
Dibromochloromethane	ND		0.080		ppb v/v			03/19/21 19:04	1
Dichlorodifluoromethane	0.25		0.080		ppb v/v			03/19/21 19:04	1
Ethanol	65		2.0		ppb v/v			03/19/21 19:04	1
Ethylbenzene	ND		0.080		ppb v/v			03/19/21 19:04	1
Hexachlorobutadiene	ND		0.080		ppb v/v			03/19/21 19:04	1
Hexane	0.30		0.20		ppb v/v			03/19/21 19:04	1
Methyl tert-butyl ether	ND		0.16		ppb v/v			03/19/21 19:04	1
Methylene Chloride	1.4		0.40		ppb v/v			03/19/21 19:04	1
m-Xylene & p-Xylene	0.19		0.080		ppb v/v			03/19/21 19:04	1
Naphthalene	ND		0.20		ppb v/v			03/19/21 19:04	1
o-Xylene	ND		0.080		ppb v/v			03/19/21 19:04	1
Styrene	ND		0.080		ppb v/v			03/19/21 19:04	1
t-Butyl alcohol	ND		0.32		ppb v/v			03/19/21 19:04	1
Tetrachloroethene	ND		0.080		ppb v/v			03/19/21 19:04	1
Toluene	0.35		0.12		ppb v/v			03/19/21 19:04	1
trans-1,2-Dichloroethene	ND		0.080		ppb v/v			03/19/21 19:04	1
trans-1,3-Dichloropropene	ND		0.080		ppb v/v			03/19/21 19:04	1
Trichloroethene	ND		0.036		ppb v/v			03/19/21 19:04	1
Trichlorofluoromethane	0.27		0.080		ppb v/v			03/19/21 19:04	1
Vinyl chloride	ND		0.040		ppb v/v			03/19/21 19:04	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.44		ug/m3			03/19/21 19:04	1
1,1,2,2-Tetrachloroethane	ND		0.55		ug/m3			03/19/21 19:04	1
1,1,2-Trichloroethane	ND		0.44		ug/m3			03/19/21 19:04	1
1,1,2-Trichlorotrifluoroethane	ND		0.61		ug/m3			03/19/21 19:04	1
1,1-Dichloroethane	ND		0.32		ug/m3			03/19/21 19:04	1
1,1-Dichloroethene	ND		0.16		ug/m3			03/19/21 19:04	1
1,2,4-Trichlorobenzene	ND		0.59		ug/m3			03/19/21 19:04	1
1,2,4-Trimethylbenzene	0.47		0.39		ug/m3			03/19/21 19:04	1
1,2-Dibromoethane	ND		0.61		ug/m3			03/19/21 19:04	1
1,2-Dichlorobenzene	ND		0.48		ug/m3			03/19/21 19:04	1
1,2-Dichloroethane	ND		0.32		ug/m3			03/19/21 19:04	1
1,2-Dichloropropane	ND		0.37		ug/m3			03/19/21 19:04	1
1,2-Dichlorotetrafluoroethane	ND		0.56		ug/m3			03/19/21 19:04	1
1,3,5-Trimethylbenzene	ND		0.39		ug/m3			03/19/21 19:04	1
1,3-Dichlorobenzene	ND		0.48		ug/m3			03/19/21 19:04	1
1,4-Dichlorobenzene	ND		0.48		ug/m3			03/19/21 19:04	1
1,4-Dioxane	ND		0.72		ug/m3			03/19/21 19:04	1
2,2,4-Trimethylpentane	ND		0.93		ug/m3			03/19/21 19:04	1
2-Butanone	ND		0.94		ug/m3			03/19/21 19:04	1
4-Methyl-2-pentanone (MIBK)	ND		0.82		ug/m3			03/19/21 19:04	1
Benzene	0.60		0.26		ug/m3			03/19/21 19:04	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22303-1

Client Sample ID: 224121-IA-98

Lab Sample ID: 140-22303-2

Date Collected: 03/13/21 12:05

Matrix: Air

Date Received: 03/16/21 10:25

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzyl chloride	ND		0.83		ug/m3			03/19/21 19:04	1
Bromodichloromethane	ND		0.54		ug/m3			03/19/21 19:04	1
Bromoform	ND		0.83		ug/m3			03/19/21 19:04	1
Bromomethane	ND		0.31		ug/m3			03/19/21 19:04	1
Carbon tetrachloride	0.54		0.20		ug/m3			03/19/21 19:04	1
Chlorobenzene	ND		0.37		ug/m3			03/19/21 19:04	1
Chloroethane	ND		0.21		ug/m3			03/19/21 19:04	1
Chloroform	0.52		0.39		ug/m3			03/19/21 19:04	1
Chloromethane	1.4		0.41		ug/m3			03/19/21 19:04	1
cis-1,2-Dichloroethene	ND		0.16		ug/m3			03/19/21 19:04	1
cis-1,3-Dichloropropene	ND		0.36		ug/m3			03/19/21 19:04	1
Cyclohexane	ND		0.69		ug/m3			03/19/21 19:04	1
Dibromochloromethane	ND		0.68		ug/m3			03/19/21 19:04	1
Dichlorodifluoromethane	1.3		0.40		ug/m3			03/19/21 19:04	1
Ethanol	120	J	3.8		ug/m3			03/19/21 19:04	1
Ethylbenzene	ND		0.35		ug/m3			03/19/21 19:04	1
Hexachlorobutadiene	ND		0.85		ug/m3			03/19/21 19:04	1
Hexane	1.1		0.70		ug/m3			03/19/21 19:04	1
Methyl tert-butyl ether	ND		0.58		ug/m3			03/19/21 19:04	1
Methylene Chloride	4.8		1.4		ug/m3			03/19/21 19:04	1
m-Xylene & p-Xylene	0.83		0.35		ug/m3			03/19/21 19:04	1
Naphthalene	ND		1.0		ug/m3			03/19/21 19:04	1
o-Xylene	ND		0.35		ug/m3			03/19/21 19:04	1
Styrene	ND		0.34		ug/m3			03/19/21 19:04	1
t-Butyl alcohol	ND		0.97		ug/m3			03/19/21 19:04	1
Tetrachloroethene	ND		0.54		ug/m3			03/19/21 19:04	1
Toluene	1.3		0.45		ug/m3			03/19/21 19:04	1
trans-1,2-Dichloroethene	ND		0.32		ug/m3			03/19/21 19:04	1
trans-1,3-Dichloropropene	ND		0.36		ug/m3			03/19/21 19:04	1
Trichloroethene	ND		0.19		ug/m3			03/19/21 19:04	1
Trichlorofluoromethane	1.5		0.45		ug/m3			03/19/21 19:04	1
Vinyl chloride	ND		0.10		ug/m3			03/19/21 19:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		60 - 140		03/19/21 19:04	1

Client Sample ID: 224121-OA-98

Lab Sample ID: 140-22303-3

Date Collected: 03/13/21 11:51

Matrix: Air

Date Received: 03/16/21 10:25

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.080		ppb v/v			03/19/21 19:56	1
1,1,2,2-Tetrachloroethane	ND		0.080		ppb v/v			03/19/21 19:56	1
1,1,2-Trichloroethane	ND		0.080		ppb v/v			03/19/21 19:56	1
1,1,2-Trichlorotrifluoroethane	ND		0.080		ppb v/v			03/19/21 19:56	1
1,1-Dichloroethane	ND		0.080		ppb v/v			03/19/21 19:56	1
1,1-Dichloroethene	ND		0.040		ppb v/v			03/19/21 19:56	1

Eurofins TestAmerica, Knoxville

ALH 4/8/21

Client Sample Results

Client: New York State D.E.C.
 Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22303-1

Client Sample ID: 224121-OA-98

Lab Sample ID: 140-22303-3

Date Collected: 03/13/21 11:51

Matrix: Air

Date Received: 03/16/21 10:25

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.080		ppb v/v			03/19/21 19:56	1
1,2,4-Trimethylbenzene	ND		0.080		ppb v/v			03/19/21 19:56	1
1,2-Dibromoethane	ND		0.080		ppb v/v			03/19/21 19:56	1
1,2-Dichlorobenzene	ND		0.080		ppb v/v			03/19/21 19:56	1
1,2-Dichloroethane	ND		0.080		ppb v/v			03/19/21 19:56	1
1,2-Dichloropropane	ND		0.080		ppb v/v			03/19/21 19:56	1
1,2-Dichlorotetrafluoroethane	ND		0.080		ppb v/v			03/19/21 19:56	1
1,3,5-Trimethylbenzene	ND		0.080		ppb v/v			03/19/21 19:56	1
1,3-Dichlorobenzene	ND		0.080		ppb v/v			03/19/21 19:56	1
1,4-Dichlorobenzene	ND		0.080		ppb v/v			03/19/21 19:56	1
1,4-Dioxane	ND		0.20		ppb v/v			03/19/21 19:56	1
2,2,4-Trimethylpentane	ND		0.20		ppb v/v			03/19/21 19:56	1
2-Butanone	0.40		0.32		ppb v/v			03/19/21 19:56	1
4-Methyl-2-pentanone (MIBK)	ND		0.20		ppb v/v			03/19/21 19:56	1
Benzene	0.17		0.080		ppb v/v			03/19/21 19:56	1
Benzyl chloride	ND		0.16		ppb v/v			03/19/21 19:56	1
Bromodichloromethane	ND		0.080		ppb v/v			03/19/21 19:56	1
Bromoform	ND		0.080		ppb v/v			03/19/21 19:56	1
Bromomethane	ND		0.080		ppb v/v			03/19/21 19:56	1
Carbon tetrachloride	0.086		0.032		ppb v/v			03/19/21 19:56	1
Chlorobenzene	ND		0.080		ppb v/v			03/19/21 19:56	1
Chloroethane	ND		0.080		ppb v/v			03/19/21 19:56	1
Chloroform	ND		0.080		ppb v/v			03/19/21 19:56	1
Chloromethane	0.62		0.20		ppb v/v			03/19/21 19:56	1
cis-1,2-Dichloroethene	ND		0.040		ppb v/v			03/19/21 19:56	1
cis-1,3-Dichloropropene	ND		0.080		ppb v/v			03/19/21 19:56	1
Cyclohexane	ND		0.20		ppb v/v			03/19/21 19:56	1
Dibromochloromethane	ND		0.080		ppb v/v			03/19/21 19:56	1
Dichlorodifluoromethane	0.27		0.080		ppb v/v			03/19/21 19:56	1
Ethanol	7.5		2.0		ppb v/v			03/19/21 19:56	1
Ethylbenzene	ND		0.080		ppb v/v			03/19/21 19:56	1
Hexachlorobutadiene	ND		0.080		ppb v/v			03/19/21 19:56	1
Hexane	ND		0.20		ppb v/v			03/19/21 19:56	1
Methyl tert-butyl ether	ND		0.16		ppb v/v			03/19/21 19:56	1
Methylene Chloride	0.41		0.40		ppb v/v			03/19/21 19:56	1
m-Xylene & p-Xylene	ND		0.080		ppb v/v			03/19/21 19:56	1
Naphthalene	ND		0.20		ppb v/v			03/19/21 19:56	1
o-Xylene	ND		0.080		ppb v/v			03/19/21 19:56	1
Styrene	ND		0.080		ppb v/v			03/19/21 19:56	1
t-Butyl alcohol	ND		0.32		ppb v/v			03/19/21 19:56	1
Tetrachloroethene	ND		0.080		ppb v/v			03/19/21 19:56	1
Toluene	0.14		0.12		ppb v/v			03/19/21 19:56	1
trans-1,2-Dichloroethene	ND		0.080		ppb v/v			03/19/21 19:56	1
trans-1,3-Dichloropropene	ND		0.080		ppb v/v			03/19/21 19:56	1
Trichloroethene	ND		0.036		ppb v/v			03/19/21 19:56	1
Trichlorofluoromethane	0.24		0.080		ppb v/v			03/19/21 19:56	1
Vinyl chloride	ND		0.040		ppb v/v			03/19/21 19:56	1

Client Sample Results

Client: New York State D.E.C.
 Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22303-1

Client Sample ID: 224121-OA-98

Lab Sample ID: 140-22303-3

Date Collected: 03/13/21 11:51

Matrix: Air

Date Received: 03/16/21 10:25

Sample Container: Summa Canister 6L

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.44		ug/m3			03/19/21 19:56	1
1,1,2,2-Tetrachloroethane	ND		0.55		ug/m3			03/19/21 19:56	1
1,1,2-Trichloroethane	ND		0.44		ug/m3			03/19/21 19:56	1
1,1,2-Trichlorotrifluoroethane	ND		0.61		ug/m3			03/19/21 19:56	1
1,1-Dichloroethane	ND		0.32		ug/m3			03/19/21 19:56	1
1,1-Dichloroethene	ND		0.16		ug/m3			03/19/21 19:56	1
1,2,4-Trichlorobenzene	ND		0.59		ug/m3			03/19/21 19:56	1
1,2,4-Trimethylbenzene	ND		0.39		ug/m3			03/19/21 19:56	1
1,2-Dibromoethane	ND		0.61		ug/m3			03/19/21 19:56	1
1,2-Dichlorobenzene	ND		0.48		ug/m3			03/19/21 19:56	1
1,2-Dichloroethane	ND		0.32		ug/m3			03/19/21 19:56	1
1,2-Dichloropropane	ND		0.37		ug/m3			03/19/21 19:56	1
1,2-Dichlorotetrafluoroethane	ND		0.56		ug/m3			03/19/21 19:56	1
1,3,5-Trimethylbenzene	ND		0.39		ug/m3			03/19/21 19:56	1
1,3-Dichlorobenzene	ND		0.48		ug/m3			03/19/21 19:56	1
1,4-Dichlorobenzene	ND		0.48		ug/m3			03/19/21 19:56	1
1,4-Dioxane	ND		0.72		ug/m3			03/19/21 19:56	1
2,2,4-Trimethylpentane	ND		0.93		ug/m3			03/19/21 19:56	1
2-Butanone	1.2		0.94		ug/m3			03/19/21 19:56	1
4-Methyl-2-pentanone (MIBK)	ND		0.82		ug/m3			03/19/21 19:56	1
Benzene	0.53		0.26		ug/m3			03/19/21 19:56	1
Benzyl chloride	ND		0.83		ug/m3			03/19/21 19:56	1
Bromodichloromethane	ND		0.54		ug/m3			03/19/21 19:56	1
Bromoform	ND		0.83		ug/m3			03/19/21 19:56	1
Bromomethane	ND		0.31		ug/m3			03/19/21 19:56	1
Carbon tetrachloride	0.54		0.20		ug/m3			03/19/21 19:56	1
Chlorobenzene	ND		0.37		ug/m3			03/19/21 19:56	1
Chloroethane	ND		0.21		ug/m3			03/19/21 19:56	1
Chloroform	ND		0.39		ug/m3			03/19/21 19:56	1
Chloromethane	1.3		0.41		ug/m3			03/19/21 19:56	1
cis-1,2-Dichloroethene	ND		0.16		ug/m3			03/19/21 19:56	1
cis-1,3-Dichloropropene	ND		0.36		ug/m3			03/19/21 19:56	1
Cyclohexane	ND		0.69		ug/m3			03/19/21 19:56	1
Dibromochloromethane	ND		0.68		ug/m3			03/19/21 19:56	1
Dichlorodifluoromethane	1.3		0.40		ug/m3			03/19/21 19:56	1
Ethanol	14	J	3.8		ug/m3			03/19/21 19:56	1
Ethylbenzene	ND		0.35		ug/m3			03/19/21 19:56	1
Hexachlorobutadiene	ND		0.85		ug/m3			03/19/21 19:56	1
Hexane	ND		0.70		ug/m3			03/19/21 19:56	1
Methyl tert-butyl ether	ND		0.58		ug/m3			03/19/21 19:56	1
Methylene Chloride	1.4		1.4		ug/m3			03/19/21 19:56	1
m-Xylene & p-Xylene	ND		0.35		ug/m3			03/19/21 19:56	1
Naphthalene	ND		1.0		ug/m3			03/19/21 19:56	1
o-Xylene	ND		0.35		ug/m3			03/19/21 19:56	1
Styrene	ND		0.34		ug/m3			03/19/21 19:56	1
t-Butyl alcohol	ND		0.97		ug/m3			03/19/21 19:56	1
Tetrachloroethene	ND		0.54		ug/m3			03/19/21 19:56	1
Toluene	0.54		0.45		ug/m3			03/19/21 19:56	1
trans-1,2-Dichloroethene	ND		0.32		ug/m3			03/19/21 19:56	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22303-1

Client Sample ID: 224121-OA-98

Lab Sample ID: 140-22303-3

Date Collected: 03/13/21 11:51

Matrix: Air

Date Received: 03/16/21 10:25

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	ND		0.36		ug/m3			03/19/21 19:56	1
Trichloroethene	ND		0.19		ug/m3			03/19/21 19:56	1
Trichlorofluoromethane	1.3		0.45		ug/m3			03/19/21 19:56	1
Vinyl chloride	ND		0.10		ug/m3			03/19/21 19:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		60 - 140					03/19/21 19:56	1

Client Sample ID: 224121-SS-99

Lab Sample ID: 140-22303-4

Date Collected: 03/14/21 09:17

Matrix: Air

Date Received: 03/16/21 10:25

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.080		ppb v/v			03/19/21 20:48	1
1,1,2,2-Tetrachloroethane	ND		0.080		ppb v/v			03/19/21 20:48	1
1,1,2-Trichloroethane	ND		0.080		ppb v/v			03/19/21 20:48	1
1,1,2-Trichlorotrifluoroethane	ND		0.080		ppb v/v			03/19/21 20:48	1
1,1-Dichloroethane	0.22		0.080		ppb v/v			03/19/21 20:48	1
1,1-Dichloroethene	ND		0.040		ppb v/v			03/19/21 20:48	1
1,2,4-Trichlorobenzene	ND		0.080		ppb v/v			03/19/21 20:48	1
1,2,4-Trimethylbenzene	0.45		0.080		ppb v/v			03/19/21 20:48	1
1,2-Dibromoethane	ND		0.080		ppb v/v			03/19/21 20:48	1
1,2-Dichlorobenzene	ND		0.080		ppb v/v			03/19/21 20:48	1
1,2-Dichloroethane	0.95		0.080		ppb v/v			03/19/21 20:48	1
1,2-Dichloropropane	ND		0.080		ppb v/v			03/19/21 20:48	1
1,2-Dichlorotetrafluoroethane	ND		0.080		ppb v/v			03/19/21 20:48	1
1,3,5-Trimethylbenzene	0.52		0.080		ppb v/v			03/19/21 20:48	1
1,3-Dichlorobenzene	ND		0.080		ppb v/v			03/19/21 20:48	1
1,4-Dichlorobenzene	ND		0.080		ppb v/v			03/19/21 20:48	1
1,4-Dioxane	ND		0.20		ppb v/v			03/19/21 20:48	1
2,2,4-Trimethylpentane	ND		0.20		ppb v/v			03/19/21 20:48	1
2-Butanone	0.92		0.32		ppb v/v			03/19/21 20:48	1
4-Methyl-2-pentanone (MIBK)	0.21		0.20		ppb v/v			03/19/21 20:48	1
Benzene	ND		0.080		ppb v/v			03/19/21 20:48	1
Benzyl chloride	ND		0.16		ppb v/v			03/19/21 20:48	1
Bromodichloromethane	ND		0.080		ppb v/v			03/19/21 20:48	1
Bromoform	ND		0.080		ppb v/v			03/19/21 20:48	1
Bromomethane	ND		0.080		ppb v/v			03/19/21 20:48	1
Carbon tetrachloride	0.049		0.032		ppb v/v			03/19/21 20:48	1
Chlorobenzene	ND		0.080		ppb v/v			03/19/21 20:48	1
Chloroethane	0.29		0.080		ppb v/v			03/19/21 20:48	1
Chloroform	0.38		0.080		ppb v/v			03/19/21 20:48	1
Chloromethane	ND		0.20		ppb v/v			03/19/21 20:48	1
cis-1,2-Dichloroethene	ND		0.040		ppb v/v			03/19/21 20:48	1
cis-1,3-Dichloropropene	ND		0.080		ppb v/v			03/19/21 20:48	1
Cyclohexane	0.23		0.20		ppb v/v			03/19/21 20:48	1
Dibromochloromethane	ND		0.080		ppb v/v			03/19/21 20:48	1

Client Sample Results

Client: New York State D.E.C.
 Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22303-1

Client Sample ID: 224121-SS-99

Lab Sample ID: 140-22303-4

Date Collected: 03/14/21 09:17

Matrix: Air

Date Received: 03/16/21 10:25

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	0.24		0.080		ppb v/v			03/19/21 20:48	1
Ethanol	4.9		2.0		ppb v/v			03/19/21 20:48	1
Ethylbenzene	0.40		0.080		ppb v/v			03/19/21 20:48	1
Hexachlorobutadiene	ND		0.080		ppb v/v			03/19/21 20:48	1
Hexane	0.24		0.20		ppb v/v			03/19/21 20:48	1
Methyl tert-butyl ether	ND		0.16		ppb v/v			03/19/21 20:48	1
Methylene Chloride	ND		0.40		ppb v/v			03/19/21 20:48	1
m-Xylene & p-Xylene	3.3		0.080		ppb v/v			03/19/21 20:48	1
Naphthalene	0.20		0.20		ppb v/v			03/19/21 20:48	1
o-Xylene	4.2		0.080		ppb v/v			03/19/21 20:48	1
Styrene	ND		0.080		ppb v/v			03/19/21 20:48	1
t-Butyl alcohol	ND		0.32		ppb v/v			03/19/21 20:48	1
Tetrachloroethene	0.18		0.080		ppb v/v			03/19/21 20:48	1
Toluene	0.23		0.12		ppb v/v			03/19/21 20:48	1
trans-1,2-Dichloroethene	ND		0.080		ppb v/v			03/19/21 20:48	1
trans-1,3-Dichloropropene	ND		0.080		ppb v/v			03/19/21 20:48	1
Trichloroethene	ND		0.036		ppb v/v			03/19/21 20:48	1
Trichlorofluoromethane	0.24		0.080		ppb v/v			03/19/21 20:48	1
Vinyl chloride	0.12		0.040		ppb v/v			03/19/21 20:48	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.44		ug/m3			03/19/21 20:48	1
1,1,2,2-Tetrachloroethane	ND		0.55		ug/m3			03/19/21 20:48	1
1,1,2-Trichloroethane	ND		0.44		ug/m3			03/19/21 20:48	1
1,1,2-Trichlorotrifluoroethane	ND		0.61		ug/m3			03/19/21 20:48	1
1,1-Dichloroethane	0.89		0.32		ug/m3			03/19/21 20:48	1
1,1-Dichloroethene	ND		0.16		ug/m3			03/19/21 20:48	1
1,2,4-Trichlorobenzene	ND		0.59		ug/m3			03/19/21 20:48	1
1,2,4-Trimethylbenzene	2.2		0.39		ug/m3			03/19/21 20:48	1
1,2-Dibromoethane	ND		0.61		ug/m3			03/19/21 20:48	1
1,2-Dichlorobenzene	ND		0.48		ug/m3			03/19/21 20:48	1
1,2-Dichloroethane	3.9		0.32		ug/m3			03/19/21 20:48	1
1,2-Dichloropropane	ND		0.37		ug/m3			03/19/21 20:48	1
1,2-Dichlorotetrafluoroethane	ND		0.56		ug/m3			03/19/21 20:48	1
1,3,5-Trimethylbenzene	2.5		0.39		ug/m3			03/19/21 20:48	1
1,3-Dichlorobenzene	ND		0.48		ug/m3			03/19/21 20:48	1
1,4-Dichlorobenzene	ND		0.48		ug/m3			03/19/21 20:48	1
1,4-Dioxane	ND		0.72		ug/m3			03/19/21 20:48	1
2,2,4-Trimethylpentane	ND		0.93		ug/m3			03/19/21 20:48	1
2-Butanone	2.7		0.94		ug/m3			03/19/21 20:48	1
4-Methyl-2-pentanone (MIBK)	0.85		0.82		ug/m3			03/19/21 20:48	1
Benzene	ND		0.26		ug/m3			03/19/21 20:48	1
Benzyl chloride	ND		0.83		ug/m3			03/19/21 20:48	1
Bromodichloromethane	ND		0.54		ug/m3			03/19/21 20:48	1
Bromoform	ND		0.83		ug/m3			03/19/21 20:48	1
Bromomethane	ND		0.31		ug/m3			03/19/21 20:48	1
Carbon tetrachloride	0.31		0.20		ug/m3			03/19/21 20:48	1
Chlorobenzene	ND		0.37		ug/m3			03/19/21 20:48	1
Chloroethane	0.77		0.21		ug/m3			03/19/21 20:48	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22303-1

Client Sample ID: 224121-SS-99

Lab Sample ID: 140-22303-4

Date Collected: 03/14/21 09:17

Matrix: Air

Date Received: 03/16/21 10:25

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	1.8		0.39		ug/m3			03/19/21 20:48	1
Chloromethane	ND		0.41		ug/m3			03/19/21 20:48	1
cis-1,2-Dichloroethene	ND		0.16		ug/m3			03/19/21 20:48	1
cis-1,3-Dichloropropene	ND		0.36		ug/m3			03/19/21 20:48	1
Cyclohexane	0.80		0.69		ug/m3			03/19/21 20:48	1
Dibromochloromethane	ND		0.68		ug/m3			03/19/21 20:48	1
Dichlorodifluoromethane	1.2		0.40		ug/m3			03/19/21 20:48	1
Ethanol	9.2	J	3.8		ug/m3			03/19/21 20:48	1
Ethylbenzene	1.8		0.35		ug/m3			03/19/21 20:48	1
Hexachlorobutadiene	ND		0.85		ug/m3			03/19/21 20:48	1
Hexane	0.83		0.70		ug/m3			03/19/21 20:48	1
Methyl tert-butyl ether	ND		0.58		ug/m3			03/19/21 20:48	1
Methylene Chloride	ND		1.4		ug/m3			03/19/21 20:48	1
m-Xylene & p-Xylene	14		0.35		ug/m3			03/19/21 20:48	1
Naphthalene	1.1		1.0		ug/m3			03/19/21 20:48	1
o-Xylene	18		0.35		ug/m3			03/19/21 20:48	1
Styrene	ND		0.34		ug/m3			03/19/21 20:48	1
t-Butyl alcohol	ND		0.97		ug/m3			03/19/21 20:48	1
Tetrachloroethene	1.3		0.54		ug/m3			03/19/21 20:48	1
Toluene	0.87		0.45		ug/m3			03/19/21 20:48	1
trans-1,2-Dichloroethene	ND		0.32		ug/m3			03/19/21 20:48	1
trans-1,3-Dichloropropene	ND		0.36		ug/m3			03/19/21 20:48	1
Trichloroethene	ND		0.19		ug/m3			03/19/21 20:48	1
Trichlorofluoromethane	1.4		0.45		ug/m3			03/19/21 20:48	1
Vinyl chloride	0.31		0.10		ug/m3			03/19/21 20:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		60 - 140		03/19/21 20:48	1

Client Sample ID: 224121-IA-99

Lab Sample ID: 140-22303-5

Date Collected: 03/14/21 09:18

Matrix: Air

Date Received: 03/16/21 10:25

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.080		ppb v/v			03/19/21 21:38	1
1,1,2,2-Tetrachloroethane	ND		0.080		ppb v/v			03/19/21 21:38	1
1,1,2-Trichloroethane	ND		0.080		ppb v/v			03/19/21 21:38	1
1,1,2-Trichlorotrifluoroethane	ND		0.080		ppb v/v			03/19/21 21:38	1
1,1-Dichloroethane	ND		0.080		ppb v/v			03/19/21 21:38	1
1,1-Dichloroethene	ND		0.040		ppb v/v			03/19/21 21:38	1
1,2,4-Trichlorobenzene	ND		0.080		ppb v/v			03/19/21 21:38	1
1,2,4-Trimethylbenzene	2.1		0.080		ppb v/v			03/19/21 21:38	1
1,2-Dibromoethane	ND		0.080		ppb v/v			03/19/21 21:38	1
1,2-Dichlorobenzene	ND		0.080		ppb v/v			03/19/21 21:38	1
1,2-Dichloroethane	0.14		0.080		ppb v/v			03/19/21 21:38	1
1,2-Dichloropropane	ND		0.080		ppb v/v			03/19/21 21:38	1
1,2-Dichlorotetrafluoroethane	ND		0.080		ppb v/v			03/19/21 21:38	1

Eurofins TestAmerica, Knoxville

ALH 4/8/21

Client Sample Results

Client: New York State D.E.C.
 Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22303-1

Client Sample ID: 224121-IA-99

Lab Sample ID: 140-22303-5

Date Collected: 03/14/21 09:18

Matrix: Air

Date Received: 03/16/21 10:25

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trimethylbenzene	0.64		0.080		ppb v/v			03/19/21 21:38	1
1,3-Dichlorobenzene	ND		0.080		ppb v/v			03/19/21 21:38	1
1,4-Dichlorobenzene	2.1		0.080		ppb v/v			03/19/21 21:38	1
1,4-Dioxane	ND		0.20		ppb v/v			03/19/21 21:38	1
2,2,4-Trimethylpentane	4.5		0.20		ppb v/v			03/19/21 21:38	1
2-Butanone	1.1		0.32		ppb v/v			03/19/21 21:38	1
4-Methyl-2-pentanone (MIBK)	ND		0.20		ppb v/v			03/19/21 21:38	1
Benzene	1.6		0.080		ppb v/v			03/19/21 21:38	1
Benzyl chloride	ND		0.16		ppb v/v			03/19/21 21:38	1
Bromodichloromethane	ND		0.080		ppb v/v			03/19/21 21:38	1
Bromoform	ND		0.080		ppb v/v			03/19/21 21:38	1
Bromomethane	ND		0.080		ppb v/v			03/19/21 21:38	1
Carbon tetrachloride	0.090		0.032		ppb v/v			03/19/21 21:38	1
Chlorobenzene	ND		0.080		ppb v/v			03/19/21 21:38	1
Chloroethane	ND		0.080		ppb v/v			03/19/21 21:38	1
Chloroform	0.15		0.080		ppb v/v			03/19/21 21:38	1
Chloromethane	0.49		0.20		ppb v/v			03/19/21 21:38	1
cis-1,2-Dichloroethene	ND		0.040		ppb v/v			03/19/21 21:38	1
cis-1,3-Dichloropropene	ND		0.080		ppb v/v			03/19/21 21:38	1
Cyclohexane	1.7		0.20		ppb v/v			03/19/21 21:38	1
Dibromochloromethane	ND		0.080		ppb v/v			03/19/21 21:38	1
Dichlorodifluoromethane	0.22		0.080		ppb v/v			03/19/21 21:38	1
Ethanol	180	E	2.0		ppb v/v			03/19/21 21:38	1
Ethylbenzene	2.0		0.080		ppb v/v			03/19/21 21:38	1
Hexachlorobutadiene	ND		0.080		ppb v/v			03/19/21 21:38	1
Hexane	2.3		0.20		ppb v/v			03/19/21 21:38	1
Methyl tert-butyl ether	0.19		0.16		ppb v/v			03/19/21 21:38	1
Methylene Chloride	0.84		0.40		ppb v/v			03/19/21 21:38	1
m-Xylene & p-Xylene	6.3		0.080		ppb v/v			03/19/21 21:38	1
Naphthalene	ND		0.20		ppb v/v			03/19/21 21:38	1
o-Xylene	2.6		0.080		ppb v/v			03/19/21 21:38	1
Styrene	0.78		0.080		ppb v/v			03/19/21 21:38	1
t-Butyl alcohol	ND		0.32		ppb v/v			03/19/21 21:38	1
Tetrachloroethene	ND		0.080		ppb v/v			03/19/21 21:38	1
Toluene	13		0.12		ppb v/v			03/19/21 21:38	1
trans-1,2-Dichloroethene	ND		0.080		ppb v/v			03/19/21 21:38	1
trans-1,3-Dichloropropene	ND		0.080		ppb v/v			03/19/21 21:38	1
Trichloroethene	ND		0.036		ppb v/v			03/19/21 21:38	1
Trichlorofluoromethane	0.25		0.080		ppb v/v			03/19/21 21:38	1
Vinyl chloride	ND		0.040		ppb v/v			03/19/21 21:38	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.44		ug/m3			03/19/21 21:38	1
1,1,2,2-Tetrachloroethane	ND		0.55		ug/m3			03/19/21 21:38	1
1,1,2-Trichloroethane	ND		0.44		ug/m3			03/19/21 21:38	1
1,1,2-Trichlorotrifluoroethane	ND		0.61		ug/m3			03/19/21 21:38	1
1,1-Dichloroethane	ND		0.32		ug/m3			03/19/21 21:38	1
1,1-Dichloroethene	ND		0.16		ug/m3			03/19/21 21:38	1
1,2,4-Trichlorobenzene	ND		0.59		ug/m3			03/19/21 21:38	1

Client Sample Results

Client: New York State D.E.C.
 Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22303-1

Client Sample ID: 224121-IA-99

Lab Sample ID: 140-22303-5

Date Collected: 03/14/21 09:18

Matrix: Air

Date Received: 03/16/21 10:25

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	11		0.39		ug/m3			03/19/21 21:38	1
1,2-Dibromoethane	ND		0.61		ug/m3			03/19/21 21:38	1
1,2-Dichlorobenzene	ND		0.48		ug/m3			03/19/21 21:38	1
1,2-Dichloroethane	0.58		0.32		ug/m3			03/19/21 21:38	1
1,2-Dichloropropane	ND		0.37		ug/m3			03/19/21 21:38	1
1,2-Dichlorotetrafluoroethane	ND		0.56		ug/m3			03/19/21 21:38	1
1,3,5-Trimethylbenzene	3.1		0.39		ug/m3			03/19/21 21:38	1
1,3-Dichlorobenzene	ND		0.48		ug/m3			03/19/21 21:38	1
1,4-Dichlorobenzene	12		0.48		ug/m3			03/19/21 21:38	1
1,4-Dioxane	ND		0.72		ug/m3			03/19/21 21:38	1
2,2,4-Trimethylpentane	21		0.93		ug/m3			03/19/21 21:38	1
2-Butanone	3.4		0.94		ug/m3			03/19/21 21:38	1
4-Methyl-2-pentanone (MIBK)	ND		0.82		ug/m3			03/19/21 21:38	1
Benzene	5.1		0.26		ug/m3			03/19/21 21:38	1
Benzyl chloride	ND		0.83		ug/m3			03/19/21 21:38	1
Bromodichloromethane	ND		0.54		ug/m3			03/19/21 21:38	1
Bromoform	ND		0.83		ug/m3			03/19/21 21:38	1
Bromomethane	ND		0.31		ug/m3			03/19/21 21:38	1
Carbon tetrachloride	0.57		0.20		ug/m3			03/19/21 21:38	1
Chlorobenzene	ND		0.37		ug/m3			03/19/21 21:38	1
Chloroethane	ND		0.21		ug/m3			03/19/21 21:38	1
Chloroform	0.73		0.39		ug/m3			03/19/21 21:38	1
Chloromethane	1.0		0.41		ug/m3			03/19/21 21:38	1
cis-1,2-Dichloroethene	ND		0.16		ug/m3			03/19/21 21:38	1
cis-1,3-Dichloropropene	ND		0.36		ug/m3			03/19/21 21:38	1
Cyclohexane	5.9		0.69		ug/m3			03/19/21 21:38	1
Dibromochloromethane	ND		0.68		ug/m3			03/19/21 21:38	1
Dichlorodifluoromethane	ND		0.40		ug/m3			03/19/21 21:38	1
Ethanol	480	340--E J	3.8		ug/m3			03/19/21 21:38	1
Ethylbenzene	8.8		0.35		ug/m3			03/19/21 21:38	1
Hexachlorobutadiene	ND		0.85		ug/m3			03/19/21 21:38	1
Hexane	7.9		0.70		ug/m3			03/19/21 21:38	1
Methyl tert-butyl ether	0.68		0.58		ug/m3			03/19/21 21:38	1
Methylene Chloride	2.9		1.4		ug/m3			03/19/21 21:38	1
m-Xylene & p-Xylene	28		0.35		ug/m3			03/19/21 21:38	1
Naphthalene	ND		1.0		ug/m3			03/19/21 21:38	1
o-Xylene	11		0.35		ug/m3			03/19/21 21:38	1
Styrene	3.3		0.34		ug/m3			03/19/21 21:38	1
t-Butyl alcohol	ND		0.97		ug/m3			03/19/21 21:38	1
Tetrachloroethene	ND		0.54		ug/m3			03/19/21 21:38	1
Toluene	48		0.45		ug/m3			03/19/21 21:38	1
trans-1,2-Dichloroethene	ND		0.32		ug/m3			03/19/21 21:38	1
trans-1,3-Dichloropropene	ND		0.36		ug/m3			03/19/21 21:38	1
Trichloroethene	ND		0.19		ug/m3			03/19/21 21:38	1
Trichlorofluoromethane	1.4		0.45		ug/m3			03/19/21 21:38	1
Vinyl chloride	ND		0.10		ug/m3			03/19/21 21:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		60 - 140		03/19/21 21:38	1

Eurofins TestAmerica, Knoxville

ALH 4/8/21

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22303-1

Client Sample ID: 224121-IA-99

Lab Sample ID: 140-22303-5

Date Collected: 03/14/21 09:18

Matrix: Air

Date Received: 03/16/21 10:25

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethanol	250		20		ppb v/v			03/20/21 17:24	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethanol	480	J	38		ug/m3			03/20/21 17:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		60 - 140					03/20/21 17:24	1

Client Sample ID: 224121-OA-99

Lab Sample ID: 140-22303-6

Date Collected: 03/14/21 09:20

Matrix: Air

Date Received: 03/16/21 10:25

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.080		ppb v/v			03/19/21 22:29	1
1,1,2,2-Tetrachloroethane	ND		0.080		ppb v/v			03/19/21 22:29	1
1,1,2-Trichloroethane	ND		0.080		ppb v/v			03/19/21 22:29	1
1,1,2-Trichlorotrifluoroethane	ND		0.080		ppb v/v			03/19/21 22:29	1
1,1-Dichloroethane	ND		0.080		ppb v/v			03/19/21 22:29	1
1,1-Dichloroethene	ND		0.040		ppb v/v			03/19/21 22:29	1
1,2,4-Trichlorobenzene	ND		0.080		ppb v/v			03/19/21 22:29	1
1,2,4-Trimethylbenzene	ND		0.080		ppb v/v			03/19/21 22:29	1
1,2-Dibromoethane	ND		0.080		ppb v/v			03/19/21 22:29	1
1,2-Dichlorobenzene	ND		0.080		ppb v/v			03/19/21 22:29	1
1,2-Dichloroethane	ND		0.080		ppb v/v			03/19/21 22:29	1
1,2-Dichloropropane	ND		0.080		ppb v/v			03/19/21 22:29	1
1,2-Dichlorotetrafluoroethane	ND		0.080		ppb v/v			03/19/21 22:29	1
1,3,5-Trimethylbenzene	ND		0.080		ppb v/v			03/19/21 22:29	1
1,3-Dichlorobenzene	ND		0.080		ppb v/v			03/19/21 22:29	1
1,4-Dichlorobenzene	ND		0.080		ppb v/v			03/19/21 22:29	1
1,4-Dioxane	ND		0.20		ppb v/v			03/19/21 22:29	1
2,2,4-Trimethylpentane	ND		0.20		ppb v/v			03/19/21 22:29	1
2-Butanone	ND		0.32		ppb v/v			03/19/21 22:29	1
4-Methyl-2-pentanone (MIBK)	ND		0.20		ppb v/v			03/19/21 22:29	1
Benzene	0.14		0.080		ppb v/v			03/19/21 22:29	1
Benzyl chloride	ND		0.16		ppb v/v			03/19/21 22:29	1
Bromodichloromethane	ND		0.080		ppb v/v			03/19/21 22:29	1
Bromoform	ND		0.080		ppb v/v			03/19/21 22:29	1
Bromomethane	ND		0.080		ppb v/v			03/19/21 22:29	1
Carbon tetrachloride	0.078		0.032		ppb v/v			03/19/21 22:29	1
Chlorobenzene	ND		0.080		ppb v/v			03/19/21 22:29	1
Chloroethane	ND		0.080		ppb v/v			03/19/21 22:29	1
Chloroform	ND		0.080		ppb v/v			03/19/21 22:29	1
Chloromethane	0.46		0.20		ppb v/v			03/19/21 22:29	1
cis-1,2-Dichloroethene	ND		0.040		ppb v/v			03/19/21 22:29	1
cis-1,3-Dichloropropene	ND		0.080		ppb v/v			03/19/21 22:29	1
Cyclohexane	ND		0.20		ppb v/v			03/19/21 22:29	1
Dibromochloromethane	ND		0.080		ppb v/v			03/19/21 22:29	1
Dichlorodifluoromethane	0.24		0.080		ppb v/v			03/19/21 22:29	1

Eurofins TestAmerica, Knoxville

ALH 4/8/21

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22303-1

Client Sample ID: 224121-OA-99

Lab Sample ID: 140-22303-6

Date Collected: 03/14/21 09:20

Matrix: Air

Date Received: 03/16/21 10:25

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethanol	3.7		2.0		ppb v/v			03/19/21 22:29	1
Ethylbenzene	ND		0.080		ppb v/v			03/19/21 22:29	1
Hexachlorobutadiene	ND		0.080		ppb v/v			03/19/21 22:29	1
Hexane	ND		0.20		ppb v/v			03/19/21 22:29	1
Methyl tert-butyl ether	ND		0.16		ppb v/v			03/19/21 22:29	1
Methylene Chloride	1.1		0.40		ppb v/v			03/19/21 22:29	1
m-Xylene & p-Xylene	0.094		0.080		ppb v/v			03/19/21 22:29	1
Naphthalene	ND		0.20		ppb v/v			03/19/21 22:29	1
o-Xylene	ND		0.080		ppb v/v			03/19/21 22:29	1
Styrene	ND		0.080		ppb v/v			03/19/21 22:29	1
t-Butyl alcohol	ND		0.32		ppb v/v			03/19/21 22:29	1
Tetrachloroethene	ND		0.080		ppb v/v			03/19/21 22:29	1
Toluene	0.26		0.12		ppb v/v			03/19/21 22:29	1
trans-1,2-Dichloroethene	ND		0.080		ppb v/v			03/19/21 22:29	1
trans-1,3-Dichloropropene	ND		0.080		ppb v/v			03/19/21 22:29	1
Trichloroethene	ND		0.036		ppb v/v			03/19/21 22:29	1
Trichlorofluoromethane	0.23		0.080		ppb v/v			03/19/21 22:29	1
Vinyl chloride	ND		0.040		ppb v/v			03/19/21 22:29	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.44		ug/m3			03/19/21 22:29	1
1,1,2,2-Tetrachloroethane	ND		0.55		ug/m3			03/19/21 22:29	1
1,1,2-Trichloroethane	ND		0.44		ug/m3			03/19/21 22:29	1
1,1,2-Trichlorotrifluoroethane	ND		0.61		ug/m3			03/19/21 22:29	1
1,1-Dichloroethane	ND		0.32		ug/m3			03/19/21 22:29	1
1,1-Dichloroethene	ND		0.16		ug/m3			03/19/21 22:29	1
1,2,4-Trichlorobenzene	ND		0.59		ug/m3			03/19/21 22:29	1
1,2,4-Trimethylbenzene	ND		0.39		ug/m3			03/19/21 22:29	1
1,2-Dibromoethane	ND		0.61		ug/m3			03/19/21 22:29	1
1,2-Dichlorobenzene	ND		0.48		ug/m3			03/19/21 22:29	1
1,2-Dichloroethane	ND		0.32		ug/m3			03/19/21 22:29	1
1,2-Dichloropropane	ND		0.37		ug/m3			03/19/21 22:29	1
1,2-Dichlorotetrafluoroethane	ND		0.56		ug/m3			03/19/21 22:29	1
1,3,5-Trimethylbenzene	ND		0.39		ug/m3			03/19/21 22:29	1
1,3-Dichlorobenzene	ND		0.48		ug/m3			03/19/21 22:29	1
1,4-Dichlorobenzene	ND		0.48		ug/m3			03/19/21 22:29	1
1,4-Dioxane	ND		0.72		ug/m3			03/19/21 22:29	1
2,2,4-Trimethylpentane	ND		0.93		ug/m3			03/19/21 22:29	1
2-Butanone	ND		0.94		ug/m3			03/19/21 22:29	1
4-Methyl-2-pentanone (MIBK)	ND		0.82		ug/m3			03/19/21 22:29	1
Benzene	0.46		0.26		ug/m3			03/19/21 22:29	1
Benzyl chloride	ND		0.83		ug/m3			03/19/21 22:29	1
Bromodichloromethane	ND		0.54		ug/m3			03/19/21 22:29	1
Bromoform	ND		0.83		ug/m3			03/19/21 22:29	1
Bromomethane	ND		0.31		ug/m3			03/19/21 22:29	1
Carbon tetrachloride	0.49		0.20		ug/m3			03/19/21 22:29	1
Chlorobenzene	ND		0.37		ug/m3			03/19/21 22:29	1
Chloroethane	ND		0.21		ug/m3			03/19/21 22:29	1
Chloroform	ND		0.39		ug/m3			03/19/21 22:29	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22303-1

Client Sample ID: 224121-OA-99

Lab Sample ID: 140-22303-6

Date Collected: 03/14/21 09:20

Matrix: Air

Date Received: 03/16/21 10:25

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	0.95		0.41		ug/m3			03/19/21 22:29	1
cis-1,2-Dichloroethene	ND		0.16		ug/m3			03/19/21 22:29	1
cis-1,3-Dichloropropene	ND		0.36		ug/m3			03/19/21 22:29	1
Cyclohexane	ND		0.69		ug/m3			03/19/21 22:29	1
Dibromochloromethane	ND		0.68		ug/m3			03/19/21 22:29	1
Dichlorodifluoromethane	1.2		0.40		ug/m3			03/19/21 22:29	1
Ethanol	7.0	J	3.8		ug/m3			03/19/21 22:29	1
Ethylbenzene	ND		0.35		ug/m3			03/19/21 22:29	1
Hexachlorobutadiene	ND		0.85		ug/m3			03/19/21 22:29	1
Hexane	ND		0.70		ug/m3			03/19/21 22:29	1
Methyl tert-butyl ether	ND		0.58		ug/m3			03/19/21 22:29	1
Methylene Chloride	3.7		1.4		ug/m3			03/19/21 22:29	1
m-Xylene & p-Xylene	0.41		0.35		ug/m3			03/19/21 22:29	1
Naphthalene	ND		1.0		ug/m3			03/19/21 22:29	1
o-Xylene	ND		0.35		ug/m3			03/19/21 22:29	1
Styrene	ND		0.34		ug/m3			03/19/21 22:29	1
t-Butyl alcohol	ND		0.97		ug/m3			03/19/21 22:29	1
Tetrachloroethene	ND		0.54		ug/m3			03/19/21 22:29	1
Toluene	0.98		0.45		ug/m3			03/19/21 22:29	1
trans-1,2-Dichloroethene	ND		0.32		ug/m3			03/19/21 22:29	1
trans-1,3-Dichloropropene	ND		0.36		ug/m3			03/19/21 22:29	1
Trichloroethene	ND		0.19		ug/m3			03/19/21 22:29	1
Trichlorofluoromethane	1.3		0.45		ug/m3			03/19/21 22:29	1
Vinyl chloride	ND		0.10		ug/m3			03/19/21 22:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		60 - 140					03/19/21 22:29	1

VALIDATA

Chemical Services, Inc.

2159 Wynnton Pointe, Duluth, GA 30097

(770) 232-0130

(770) 232-5082 (Fax)

www.datavalidator.com

DATA USABILITY SUMMARY REPORT

COMPANY: AECOM Technical Services Northeast, Inc.
PROJECT NAME: Meeker Ave. Plume Trackdown #224121
CONTRACTED LAB: Eurofins Test America, Knoxville
QA/QC LEVEL: DUSR
ANALYTICAL METHOD(S): EPA Method TO-15
VALIDATION GUIDELINES: USEPA Region II data validation SOP ((VOA-TO15 HW-31 Rev.6, Analysis of VOCs in Air contained in Canisters by Method TO-15, September 2016), Professional Judgment
SAMPLE MATRIX: Air
TYPES OF ANALYSES: Volatile Organic Compounds (VOC)
DATA REVIEWER(S): Amy L. Hogan
SDG NUMBER: 140-22332-1
SAMPLING DATE(S): March 15-16, 2021

SAMPLES:

<u>Client Sample ID</u>	<u>Laboratory ID</u>	<u>VOC</u>
224121-SS-100	140-22332-1	X
224121-IA-100	140-22332-2	X
224121-IA-100DL	140-22332-2DL	X
224121-OA-100	140-22332-3	X
224121-SS-101	140-22332-4	X
224121-IA-101	140-22332-5	X
224121-IA-101DL	140-22332-5DL	X
224121-SS-102	140-22332-6	X
224121-IA-102	140-22323-7	X
224121-IA-102DL	140-22323-7DL	X
224121-SS-103	140-22323-8	X
224121-IA-103	140-22323-9	X
224121-OA-103	140-22323-10	X
224121-IAA-104	140-22323-11	X
224121-IAB-104	140-22323-12	X

Suffix Codes: DL= DILUTION, MS = MATRIX SPIKE,
MSD = MATRIX SPIKE DUPLICATE, RE = REANALYSIS

Qualifier	Definition
U	The analyte was not detected and was reported as less than the LOD or as defined by the customer. The LOD has been adjusted for any dilution or concentration of the sample.
J	The reported result was an estimated value with an unknown bias.
J+	The result was an estimated quantity, but the result may be biased high.
J-	The result was an estimated quantity, but the result may be biased low.
N	The analysis indicates the presence of an analyte for which there was presumptive evidence to make a "tentative identification."
NJ	The analyte has been "tentatively identified" or "presumptively" as present and the associated numerical value was the estimated concentration in the sample.
UJ	The analyte was not detected and was reported as less than the LOD or as defined by the customer. However, the associated numerical value is approximate.
X	The sample results (including non-detects) were affected by serious deficiencies in the ability to analyze the sample and to meet published method and project quality control criteria. The presence or absence of the analyte cannot be substantiated by the data provided. Acceptance or rejection of the data should be decided by the project team (which should include a project chemist), but exclusion of the data is recommended.

DATA USABILITY SUMMARY

Eurofins Test America, Knoxville – 140-22332-1

VOLATILE ORGANICS

SUMMARY

I.) General:

The analyses for Volatile Organics were performed per EPA Method TO-15.

Appendix A contains the qualified sample summary reports.

II.) Overall Assessment of Data:

All laboratory data were acceptable with qualifications.

It was noted on the Chain of Custody that the samples were received without a custody seal.

III.) Holding Times:

All Holding Time criteria were met. No data qualification was necessary.

IV.) GC/MS Tuning:

All GC/MS Tuning criteria were met. No data qualification was necessary.

V.) Calibration:

Initial Calibration:

All Initial Calibration criteria were met. No data qualification was necessary.

Initial Calibration Verification:

All Initial Calibration Verification criteria were met. No data qualification was necessary.

Continuing Calibration:

The Percent Difference (%D) for the standards run on 3/19/21 at 08:49 on instrument MR was -31.5% for ethanol, which exceeded the 30% QC limit. The positive and non-detect ethanol results for the associated samples were qualified as estimated (J) and (UJ). The associated samples were 224121-SS-100, 224121-IA-100, 224121-OA-100, 224121-SS-101, 224121-IA-

101, 224121-SS-102, 224121-IA-102 and 224121-IAB-104.

The Percent Differences (%Ds) for the standards run on 3/21/21 at 08:53 on instrument MR exceeded the 30% QC limit for the following compounds:

vinyl chloride	33.7%
trichlorofluoromethane	35.7%

The positive and non-detect results for these compounds in associated samples 224121-IA-103, 224121-OA-103 and 224121-IAA-104 were qualified as estimated (J) and (UJ).

The Percent Differences (%Ds) for the standards run on 3/22/21 at 08:53 on instrument MR exceeded the 30% QC limit for the following compounds:

1,2,4-trichlorobenzene	-30.4%
naphthalene	-30.5%
hexachlorobutadiene	-36.4%

The results for these compounds in associated sample 224121-SS-103, which were all non-detects, were qualified as estimated (UJ).

VI.) Blanks:

Method Blanks:

There were no detections in the method blanks for this SDG. No data qualification was necessary.

Canister Blanks:

Methylene chloride (0.42 ppb/v) was reported for canister blank 140-22076-1. Since the blank result was greater than the RL and the positive methylene chloride result for the associated sample was greater than both the RL and the blank concentration, no data qualification was necessary.

VII.) Surrogate Recoveries:

All Surrogate Recovery criteria were met. No data qualification was necessary.

VIII.) Laboratory Control Samples (LCS):

Three LCS were analyzed by the laboratory for this SDG. The Percent Recovery (%R) for ethanol was 69% for LCS 140-47860, which was below the 70-130% QC limits. The ethanol results for the associated samples, which were all positive, were qualified as estimated (J). The associated samples were 224121-SS-100, 224121-IA-100, 224121-OA-100, 224121-SS-101, 224121-IA-101, 224121-SS-102, 224121-IA-102 and 224121-IAB-104.

The Percent Recoveries (%Rs) for trichlorofluoromethane (136%) and vinyl chloride (134%) for

LCS 140-47903 exceeded the 70-130% QC limits. The positive results for these compounds in associated samples 24121-IA-103, 224121-OA-103 and 224121-IAA-104 were qualified as estimated (J).

IX.) Field Duplicates:

There were no field duplicate samples identified as part of this SDG. No data qualification was necessary.

XI.) TCL Compound Identification:

All TCL Compound Identification criteria were met. No data qualification was necessary.

XII.) Internal Standards Performance (ISTD):

All ISTD criteria were met. No data qualification was necessary.

XIII.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL):

The initial analysis ethanol results for samples 224121-IA-100, 224121-IA-101 and 224121-IA-10299 exceeded the linear calibration range. A dilution analysis was performed for each sample with all calibration criteria met. Based on the linear calibration range, the validator has determined that the dilution analysis results for ethanol for the samples were of preferable data quality to the initial analysis results. The over range results in the initial analyses for the listed samples, which were denoted by an "E" were lined through and replaced with the dilution analysis results.

All other CRQL criteria were met.

Appendix A
Qualified Form Is

Client Sample Results

Client: New York State D.E.C.
 Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22332-1

Client Sample ID: 224121-SS-100

Lab Sample ID: 140-22332-1

Date Collected: 03/15/21 10:11

Matrix: Air

Date Received: 03/17/21 10:40

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.080		ppb v/v			03/19/21 16:07	1
1,1,2,2-Tetrachloroethane	ND		0.080		ppb v/v			03/19/21 16:07	1
1,1,2-Trichloroethane	ND		0.080		ppb v/v			03/19/21 16:07	1
1,1,2-Trichlorotrifluoroethane	ND		0.080		ppb v/v			03/19/21 16:07	1
1,1-Dichloroethane	0.39		0.080		ppb v/v			03/19/21 16:07	1
1,1-Dichloroethene	ND		0.040		ppb v/v			03/19/21 16:07	1
1,2,4-Trichlorobenzene	ND		0.080		ppb v/v			03/19/21 16:07	1
1,2,4-Trimethylbenzene	ND		0.080		ppb v/v			03/19/21 16:07	1
1,2-Dibromoethane	ND		0.080		ppb v/v			03/19/21 16:07	1
1,2-Dichlorobenzene	ND		0.080		ppb v/v			03/19/21 16:07	1
1,2-Dichloroethane	1.3		0.080		ppb v/v			03/19/21 16:07	1
1,2-Dichloropropane	ND		0.080		ppb v/v			03/19/21 16:07	1
1,2-Dichlorotetrafluoroethane	ND		0.080		ppb v/v			03/19/21 16:07	1
1,3,5-Trimethylbenzene	ND		0.080		ppb v/v			03/19/21 16:07	1
1,3-Dichlorobenzene	ND		0.080		ppb v/v			03/19/21 16:07	1
1,4-Dichlorobenzene	ND		0.080		ppb v/v			03/19/21 16:07	1
1,4-Dioxane	ND		0.20		ppb v/v			03/19/21 16:07	1
2,2,4-Trimethylpentane	ND		0.20		ppb v/v			03/19/21 16:07	1
2-Butanone	0.96		0.32		ppb v/v			03/19/21 16:07	1
4-Methyl-2-pentanone (MIBK)	ND		0.20		ppb v/v			03/19/21 16:07	1
Benzene	ND		0.080		ppb v/v			03/19/21 16:07	1
Benzyl chloride	ND		0.16		ppb v/v			03/19/21 16:07	1
Bromodichloromethane	ND		0.080		ppb v/v			03/19/21 16:07	1
Bromoform	ND		0.080		ppb v/v			03/19/21 16:07	1
Bromomethane	ND		0.080		ppb v/v			03/19/21 16:07	1
Carbon tetrachloride	0.073		0.032		ppb v/v			03/19/21 16:07	1
Chlorobenzene	ND		0.080		ppb v/v			03/19/21 16:07	1
Chloroethane	0.41		0.080		ppb v/v			03/19/21 16:07	1
Chloroform	ND		0.080		ppb v/v			03/19/21 16:07	1
Chloromethane	ND		0.20		ppb v/v			03/19/21 16:07	1
cis-1,2-Dichloroethene	ND		0.040		ppb v/v			03/19/21 16:07	1
cis-1,3-Dichloropropene	ND		0.080		ppb v/v			03/19/21 16:07	1
Cyclohexane	0.26	Cl	0.20		ppb v/v			03/19/21 16:07	1
Dibromochloromethane	ND		0.080		ppb v/v			03/19/21 16:07	1
Dichlorodifluoromethane	0.19		0.080		ppb v/v			03/19/21 16:07	1
Ethanol	24		2.0		ppb v/v			03/19/21 16:07	1
Ethylbenzene	ND		0.080		ppb v/v			03/19/21 16:07	1
Hexachlorobutadiene	ND		0.080		ppb v/v			03/19/21 16:07	1
Hexane	ND		0.20		ppb v/v			03/19/21 16:07	1
Methyl tert-butyl ether	ND		0.16		ppb v/v			03/19/21 16:07	1
Methylene Chloride	1.7		0.40		ppb v/v			03/19/21 16:07	1
m-Xylene & p-Xylene	0.17		0.080		ppb v/v			03/19/21 16:07	1
Naphthalene	ND		0.20		ppb v/v			03/19/21 16:07	1
o-Xylene	ND		0.080		ppb v/v			03/19/21 16:07	1
Styrene	ND		0.080		ppb v/v			03/19/21 16:07	1
t-Butyl alcohol	ND		0.32		ppb v/v			03/19/21 16:07	1
Tetrachloroethene	0.60		0.080		ppb v/v			03/19/21 16:07	1
Toluene	0.21		0.12		ppb v/v			03/19/21 16:07	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22332-1

Client Sample ID: 224121-SS-100

Lab Sample ID: 140-22332-1

Date Collected: 03/15/21 10:11

Matrix: Air

Date Received: 03/17/21 10:40

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		0.080		ppb v/v			03/19/21 16:07	1
trans-1,3-Dichloropropene	ND		0.080		ppb v/v			03/19/21 16:07	1
Trichloroethene	ND		0.036		ppb v/v			03/19/21 16:07	1
Trichlorofluoromethane	0.32		0.080		ppb v/v			03/19/21 16:07	1
Vinyl chloride	0.19		0.040		ppb v/v			03/19/21 16:07	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.44		ug/m3			03/19/21 16:07	1
1,1,2,2-Tetrachloroethane	ND		0.55		ug/m3			03/19/21 16:07	1
1,1,2-Trichloroethane	ND		0.44		ug/m3			03/19/21 16:07	1
1,1,2-Trichlorotrifluoroethane	ND		0.61		ug/m3			03/19/21 16:07	1
1,1-Dichloroethane	1.6		0.32		ug/m3			03/19/21 16:07	1
1,1-Dichloroethene	ND		0.16		ug/m3			03/19/21 16:07	1
1,2,4-Trichlorobenzene	ND		0.59		ug/m3			03/19/21 16:07	1
1,2,4-Trimethylbenzene	ND		0.39		ug/m3			03/19/21 16:07	1
1,2-Dibromoethane	ND		0.61		ug/m3			03/19/21 16:07	1
1,2-Dichlorobenzene	ND		0.48		ug/m3			03/19/21 16:07	1
1,2-Dichloroethane	5.2		0.32		ug/m3			03/19/21 16:07	1
1,2-Dichloropropane	ND		0.37		ug/m3			03/19/21 16:07	1
1,2-Dichlorotetrafluoroethane	ND		0.56		ug/m3			03/19/21 16:07	1
1,3,5-Trimethylbenzene	ND		0.39		ug/m3			03/19/21 16:07	1
1,3-Dichlorobenzene	ND		0.48		ug/m3			03/19/21 16:07	1
1,4-Dichlorobenzene	ND		0.48		ug/m3			03/19/21 16:07	1
1,4-Dioxane	ND		0.72		ug/m3			03/19/21 16:07	1
2,2,4-Trimethylpentane	ND		0.93		ug/m3			03/19/21 16:07	1
2-Butanone	2.8		0.94		ug/m3			03/19/21 16:07	1
4-Methyl-2-pentanone (MIBK)	ND		0.82		ug/m3			03/19/21 16:07	1
Benzene	ND		0.26		ug/m3			03/19/21 16:07	1
Benzyl chloride	ND		0.83		ug/m3			03/19/21 16:07	1
Bromodichloromethane	ND		0.54		ug/m3			03/19/21 16:07	1
Bromoform	ND		0.83		ug/m3			03/19/21 16:07	1
Bromomethane	ND		0.31		ug/m3			03/19/21 16:07	1
Carbon tetrachloride	0.46		0.20		ug/m3			03/19/21 16:07	1
Chlorobenzene	ND		0.37		ug/m3			03/19/21 16:07	1
Chloroethane	1.1		0.21		ug/m3			03/19/21 16:07	1
Chloroform	ND		0.39		ug/m3			03/19/21 16:07	1
Chloromethane	ND		0.41		ug/m3			03/19/21 16:07	1
cis-1,2-Dichloroethene	ND		0.16		ug/m3			03/19/21 16:07	1
cis-1,3-Dichloropropene	ND		0.36		ug/m3			03/19/21 16:07	1
Cyclohexane	0.89	CI	0.69		ug/m3			03/19/21 16:07	1
Dibromochloromethane	ND		0.68		ug/m3			03/19/21 16:07	1
Dichlorodifluoromethane	0.95		0.40		ug/m3			03/19/21 16:07	1
Ethanol	45	J	3.8		ug/m3			03/19/21 16:07	1
Ethylbenzene	ND		0.35		ug/m3			03/19/21 16:07	1
Hexachlorobutadiene	ND		0.85		ug/m3			03/19/21 16:07	1
Hexane	ND		0.70		ug/m3			03/19/21 16:07	1
Methyl tert-butyl ether	ND		0.58		ug/m3			03/19/21 16:07	1
Methylene Chloride	5.7		1.4		ug/m3			03/19/21 16:07	1
m-Xylene & p-Xylene	0.72		0.35		ug/m3			03/19/21 16:07	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22332-1

Client Sample ID: 224121-SS-100

Lab Sample ID: 140-22332-1

Date Collected: 03/15/21 10:11

Matrix: Air

Date Received: 03/17/21 10:40

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		1.0		ug/m3			03/19/21 16:07	1
o-Xylene	ND		0.35		ug/m3			03/19/21 16:07	1
Styrene	ND		0.34		ug/m3			03/19/21 16:07	1
t-Butyl alcohol	ND		0.97		ug/m3			03/19/21 16:07	1
Tetrachloroethene	4.1		0.54		ug/m3			03/19/21 16:07	1
Toluene	0.78		0.45		ug/m3			03/19/21 16:07	1
trans-1,2-Dichloroethene	ND		0.32		ug/m3			03/19/21 16:07	1
trans-1,3-Dichloropropene	ND		0.36		ug/m3			03/19/21 16:07	1
Trichloroethene	ND		0.19		ug/m3			03/19/21 16:07	1
Trichlorofluoromethane	1.8		0.45		ug/m3			03/19/21 16:07	1
Vinyl chloride	0.49		0.10		ug/m3			03/19/21 16:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		60 - 140		03/19/21 16:07	1

Client Sample ID: 224121-IA-100

Lab Sample ID: 140-22332-2

Date Collected: 03/15/21 10:23

Matrix: Air

Date Received: 03/17/21 10:40

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.080		ppb v/v			03/19/21 16:59	1
1,1,2,2-Tetrachloroethane	ND		0.080		ppb v/v			03/19/21 16:59	1
1,1,2-Trichloroethane	ND		0.080		ppb v/v			03/19/21 16:59	1
1,1,2-Trichlorotrifluoroethane	ND		0.080		ppb v/v			03/19/21 16:59	1
1,1-Dichloroethane	ND		0.080		ppb v/v			03/19/21 16:59	1
1,1-Dichloroethene	ND		0.040		ppb v/v			03/19/21 16:59	1
1,2,4-Trichlorobenzene	ND		0.080		ppb v/v			03/19/21 16:59	1
1,2,4-Trimethylbenzene	0.091		0.080		ppb v/v			03/19/21 16:59	1
1,2-Dibromoethane	ND		0.080		ppb v/v			03/19/21 16:59	1
1,2-Dichlorobenzene	ND		0.080		ppb v/v			03/19/21 16:59	1
1,2-Dichloroethane	0.34		0.080		ppb v/v			03/19/21 16:59	1
1,2-Dichloropropane	ND		0.080		ppb v/v			03/19/21 16:59	1
1,2-Dichlorotetrafluoroethane	ND		0.080		ppb v/v			03/19/21 16:59	1
1,3,5-Trimethylbenzene	ND		0.080		ppb v/v			03/19/21 16:59	1
1,3-Dichlorobenzene	ND		0.080		ppb v/v			03/19/21 16:59	1
1,4-Dichlorobenzene	ND		0.080		ppb v/v			03/19/21 16:59	1
1,4-Dioxane	ND		0.20		ppb v/v			03/19/21 16:59	1
2,2,4-Trimethylpentane	0.22		0.20		ppb v/v			03/19/21 16:59	1
2-Butanone	0.57		0.32		ppb v/v			03/19/21 16:59	1
4-Methyl-2-pentanone (MIBK)	ND		0.20		ppb v/v			03/19/21 16:59	1
Benzene	0.34		0.080		ppb v/v			03/19/21 16:59	1
Benzyl chloride	ND		0.16		ppb v/v			03/19/21 16:59	1
Bromodichloromethane	ND		0.080		ppb v/v			03/19/21 16:59	1
Bromoform	ND		0.080		ppb v/v			03/19/21 16:59	1
Bromomethane	ND		0.080		ppb v/v			03/19/21 16:59	1
Carbon tetrachloride	0.095		0.032		ppb v/v			03/19/21 16:59	1
Chlorobenzene	ND		0.080		ppb v/v			03/19/21 16:59	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22332-1

Client Sample ID: 224121-IA-100

Lab Sample ID: 140-22332-2

Date Collected: 03/15/21 10:23

Matrix: Air

Date Received: 03/17/21 10:40

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	ND		0.080		ppb v/v			03/19/21 16:59	1
Chloroform	0.13		0.080		ppb v/v			03/19/21 16:59	1
Chloromethane	0.71		0.20		ppb v/v			03/19/21 16:59	1
cis-1,2-Dichloroethene	ND		0.040		ppb v/v			03/19/21 16:59	1
cis-1,3-Dichloropropene	ND		0.080		ppb v/v			03/19/21 16:59	1
Cyclohexane	0.21		0.20		ppb v/v			03/19/21 16:59	1
Dibromochloromethane	ND		0.080		ppb v/v			03/19/21 16:59	1
Dichlorodifluoromethane	0.17		0.080		ppb v/v			03/19/21 16:59	1
Ethanol	150	E	2.0		ppb v/v			03/19/21 16:59	1
Ethylbenzene	0.12		0.080		ppb v/v			03/19/21 16:59	1
Hexachlorobutadiene	ND		0.080		ppb v/v			03/19/21 16:59	1
Hexane	0.44		0.20		ppb v/v			03/19/21 16:59	1
Methyl tert-butyl ether	ND		0.16		ppb v/v			03/19/21 16:59	1
Methylene Chloride	1.0		0.40		ppb v/v			03/19/21 16:59	1
m-Xylene & p-Xylene	0.40		0.080		ppb v/v			03/19/21 16:59	1
Naphthalene	ND		0.20		ppb v/v			03/19/21 16:59	1
o-Xylene	0.15		0.080		ppb v/v			03/19/21 16:59	1
Styrene	ND		0.080		ppb v/v			03/19/21 16:59	1
t-Butyl alcohol	ND		0.32		ppb v/v			03/19/21 16:59	1
Tetrachloroethene	0.091		0.080		ppb v/v			03/19/21 16:59	1
Toluene	0.96		0.12		ppb v/v			03/19/21 16:59	1
trans-1,2-Dichloroethene	ND		0.080		ppb v/v			03/19/21 16:59	1
trans-1,3-Dichloropropene	ND		0.080		ppb v/v			03/19/21 16:59	1
Trichloroethene	ND		0.036		ppb v/v			03/19/21 16:59	1
Trichlorofluoromethane	0.27		0.080		ppb v/v			03/19/21 16:59	1
Vinyl chloride	ND		0.040		ppb v/v			03/19/21 16:59	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.44		ug/m3			03/19/21 16:59	1
1,1,2,2-Tetrachloroethane	ND		0.55		ug/m3			03/19/21 16:59	1
1,1,2-Trichloroethane	ND		0.44		ug/m3			03/19/21 16:59	1
1,1,2-Trichlorotrifluoroethane	ND		0.61		ug/m3			03/19/21 16:59	1
1,1-Dichloroethane	ND		0.32		ug/m3			03/19/21 16:59	1
1,1-Dichloroethene	ND		0.16		ug/m3			03/19/21 16:59	1
1,2,4-Trichlorobenzene	ND		0.59		ug/m3			03/19/21 16:59	1
1,2,4-Trimethylbenzene	0.45		0.39		ug/m3			03/19/21 16:59	1
1,2-Dibromoethane	ND		0.61		ug/m3			03/19/21 16:59	1
1,2-Dichlorobenzene	ND		0.48		ug/m3			03/19/21 16:59	1
1,2-Dichloroethane	1.4		0.32		ug/m3			03/19/21 16:59	1
1,2-Dichloropropane	ND		0.37		ug/m3			03/19/21 16:59	1
1,2-Dichlorotetrafluoroethane	ND		0.56		ug/m3			03/19/21 16:59	1
1,3,5-Trimethylbenzene	ND		0.39		ug/m3			03/19/21 16:59	1
1,3-Dichlorobenzene	ND		0.48		ug/m3			03/19/21 16:59	1
1,4-Dichlorobenzene	ND		0.48		ug/m3			03/19/21 16:59	1
1,4-Dioxane	ND		0.72		ug/m3			03/19/21 16:59	1
2,2,4-Trimethylpentane	1.0		0.93		ug/m3			03/19/21 16:59	1
2-Butanone	1.7		0.94		ug/m3			03/19/21 16:59	1
4-Methyl-2-pentanone (MIBK)	ND		0.82		ug/m3			03/19/21 16:59	1
Benzene	1.1		0.26		ug/m3			03/19/21 16:59	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22332-1

Client Sample ID: 224121-IA-100

Lab Sample ID: 140-22332-2

Date Collected: 03/15/21 10:23

Matrix: Air

Date Received: 03/17/21 10:40

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzyl chloride	ND		0.83		ug/m3			03/19/21 16:59	1
Bromodichloromethane	ND		0.54		ug/m3			03/19/21 16:59	1
Bromoform	ND		0.83		ug/m3			03/19/21 16:59	1
Bromomethane	ND		0.31		ug/m3			03/19/21 16:59	1
Carbon tetrachloride	0.60		0.20		ug/m3			03/19/21 16:59	1
Chlorobenzene	ND		0.37		ug/m3			03/19/21 16:59	1
Chloroethane	ND		0.21		ug/m3			03/19/21 16:59	1
Chloroform	0.63		0.39		ug/m3			03/19/21 16:59	1
Chloromethane	1.5		0.41		ug/m3			03/19/21 16:59	1
cis-1,2-Dichloroethene	ND		0.16		ug/m3			03/19/21 16:59	1
cis-1,3-Dichloropropene	ND		0.36		ug/m3			03/19/21 16:59	1
Cyclohexane	0.72		0.69		ug/m3			03/19/21 16:59	1
Dibromochloromethane	ND		0.68		ug/m3			03/19/21 16:59	1
Dichlorodifluoromethane	0.86		0.40		ug/m3			03/19/21 16:59	1
Ethanol	490	280-E-j	3.8		ug/m3			03/19/21 16:59	1
Ethylbenzene	0.53		0.35		ug/m3			03/19/21 16:59	1
Hexachlorobutadiene	ND		0.85		ug/m3			03/19/21 16:59	1
Hexane	1.5		0.70		ug/m3			03/19/21 16:59	1
Methyl tert-butyl ether	ND		0.58		ug/m3			03/19/21 16:59	1
Methylene Chloride	3.6		1.4		ug/m3			03/19/21 16:59	1
m-Xylene & p-Xylene	1.7		0.35		ug/m3			03/19/21 16:59	1
Naphthalene	ND		1.0		ug/m3			03/19/21 16:59	1
o-Xylene	0.65		0.35		ug/m3			03/19/21 16:59	1
Styrene	ND		0.34		ug/m3			03/19/21 16:59	1
t-Butyl alcohol	ND		0.97		ug/m3			03/19/21 16:59	1
Tetrachloroethene	0.62		0.54		ug/m3			03/19/21 16:59	1
Toluene	3.6		0.45		ug/m3			03/19/21 16:59	1
trans-1,2-Dichloroethene	ND		0.32		ug/m3			03/19/21 16:59	1
trans-1,3-Dichloropropene	ND		0.36		ug/m3			03/19/21 16:59	1
Trichloroethene	ND		0.19		ug/m3			03/19/21 16:59	1
Trichlorofluoromethane	1.5		0.45		ug/m3			03/19/21 16:59	1
Vinyl chloride	ND		0.10		ug/m3			03/19/21 16:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		60 - 140		03/19/21 16:59	1

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethanol	260	D	10		ppb v/v			03/21/21 16:40	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethanol	490	D	19		ug/m3			03/21/21 16:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		60 - 140		03/21/21 16:40	1

Client Sample Results

Client: New York State D.E.C.
 Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22332-1

Client Sample ID: 224121-OA-100

Lab Sample ID: 140-22332-3

Date Collected: 03/15/21 10:10

Matrix: Air

Date Received: 03/17/21 10:40

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.080		ppb v/v			03/19/21 17:51	1
1,1,2,2-Tetrachloroethane	ND		0.080		ppb v/v			03/19/21 17:51	1
1,1,2-Trichloroethane	ND		0.080		ppb v/v			03/19/21 17:51	1
1,1,2-Trichlorotrifluoroethane	ND		0.080		ppb v/v			03/19/21 17:51	1
1,1-Dichloroethane	ND		0.080		ppb v/v			03/19/21 17:51	1
1,1-Dichloroethene	ND		0.040		ppb v/v			03/19/21 17:51	1
1,2,4-Trichlorobenzene	ND		0.080		ppb v/v			03/19/21 17:51	1
1,2,4-Trimethylbenzene	ND		0.080		ppb v/v			03/19/21 17:51	1
1,2-Dibromoethane	ND		0.080		ppb v/v			03/19/21 17:51	1
1,2-Dichlorobenzene	ND		0.080		ppb v/v			03/19/21 17:51	1
1,2-Dichloroethane	ND		0.080		ppb v/v			03/19/21 17:51	1
1,2-Dichloropropane	ND		0.080		ppb v/v			03/19/21 17:51	1
1,2-Dichlorotetrafluoroethane	ND		0.080		ppb v/v			03/19/21 17:51	1
1,3,5-Trimethylbenzene	ND		0.080		ppb v/v			03/19/21 17:51	1
1,3-Dichlorobenzene	ND		0.080		ppb v/v			03/19/21 17:51	1
1,4-Dichlorobenzene	ND		0.080		ppb v/v			03/19/21 17:51	1
1,4-Dioxane	ND		0.20		ppb v/v			03/19/21 17:51	1
2,2,4-Trimethylpentane	0.20		0.20		ppb v/v			03/19/21 17:51	1
2-Butanone	0.36		0.32		ppb v/v			03/19/21 17:51	1
4-Methyl-2-pentanone (MIBK)	ND		0.20		ppb v/v			03/19/21 17:51	1
Benzene	0.28		0.080		ppb v/v			03/19/21 17:51	1
Benzyl chloride	ND		0.16		ppb v/v			03/19/21 17:51	1
Bromodichloromethane	ND		0.080		ppb v/v			03/19/21 17:51	1
Bromoform	ND		0.080		ppb v/v			03/19/21 17:51	1
Bromomethane	ND		0.080		ppb v/v			03/19/21 17:51	1
Carbon tetrachloride	0.090		0.032		ppb v/v			03/19/21 17:51	1
Chlorobenzene	ND		0.080		ppb v/v			03/19/21 17:51	1
Chloroethane	ND		0.080		ppb v/v			03/19/21 17:51	1
Chloroform	ND		0.080		ppb v/v			03/19/21 17:51	1
Chloromethane	0.60		0.20		ppb v/v			03/19/21 17:51	1
cis-1,2-Dichloroethene	ND		0.040		ppb v/v			03/19/21 17:51	1
cis-1,3-Dichloropropene	ND		0.080		ppb v/v			03/19/21 17:51	1
Cyclohexane	ND		0.20		ppb v/v			03/19/21 17:51	1
Dibromochloromethane	ND		0.080		ppb v/v			03/19/21 17:51	1
Dichlorodifluoromethane	0.20		0.080		ppb v/v			03/19/21 17:51	1
Ethanol	7.6		2.0		ppb v/v			03/19/21 17:51	1
Ethylbenzene	0.092		0.080		ppb v/v			03/19/21 17:51	1
Hexachlorobutadiene	ND		0.080		ppb v/v			03/19/21 17:51	1
Hexane	0.28		0.20		ppb v/v			03/19/21 17:51	1
Methyl tert-butyl ether	ND		0.16		ppb v/v			03/19/21 17:51	1
Methylene Chloride	0.79		0.40		ppb v/v			03/19/21 17:51	1
m-Xylene & p-Xylene	0.30		0.080		ppb v/v			03/19/21 17:51	1
Naphthalene	ND		0.20		ppb v/v			03/19/21 17:51	1
o-Xylene	0.11		0.080		ppb v/v			03/19/21 17:51	1
Styrene	ND		0.080		ppb v/v			03/19/21 17:51	1
t-Butyl alcohol	ND		0.32		ppb v/v			03/19/21 17:51	1
Tetrachloroethene	ND		0.080		ppb v/v			03/19/21 17:51	1
Toluene	0.85		0.12		ppb v/v			03/19/21 17:51	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22332-1

Client Sample ID: 224121-OA-100

Lab Sample ID: 140-22332-3

Date Collected: 03/15/21 10:10

Matrix: Air

Date Received: 03/17/21 10:40

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		0.080		ppb v/v			03/19/21 17:51	1
trans-1,3-Dichloropropene	ND		0.080		ppb v/v			03/19/21 17:51	1
Trichloroethene	ND		0.036		ppb v/v			03/19/21 17:51	1
Trichlorofluoromethane	0.26		0.080		ppb v/v			03/19/21 17:51	1
Vinyl chloride	ND		0.040		ppb v/v			03/19/21 17:51	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.44		ug/m3			03/19/21 17:51	1
1,1,2,2-Tetrachloroethane	ND		0.55		ug/m3			03/19/21 17:51	1
1,1,2-Trichloroethane	ND		0.44		ug/m3			03/19/21 17:51	1
1,1,2-Trichlorotrifluoroethane	ND		0.61		ug/m3			03/19/21 17:51	1
1,1-Dichloroethane	ND		0.32		ug/m3			03/19/21 17:51	1
1,1-Dichloroethene	ND		0.16		ug/m3			03/19/21 17:51	1
1,2,4-Trichlorobenzene	ND		0.59		ug/m3			03/19/21 17:51	1
1,2,4-Trimethylbenzene	ND		0.39		ug/m3			03/19/21 17:51	1
1,2-Dibromoethane	ND		0.61		ug/m3			03/19/21 17:51	1
1,2-Dichlorobenzene	ND		0.48		ug/m3			03/19/21 17:51	1
1,2-Dichloroethane	ND		0.32		ug/m3			03/19/21 17:51	1
1,2-Dichloropropane	ND		0.37		ug/m3			03/19/21 17:51	1
1,2-Dichlorotetrafluoroethane	ND		0.56		ug/m3			03/19/21 17:51	1
1,3,5-Trimethylbenzene	ND		0.39		ug/m3			03/19/21 17:51	1
1,3-Dichlorobenzene	ND		0.48		ug/m3			03/19/21 17:51	1
1,4-Dichlorobenzene	ND		0.48		ug/m3			03/19/21 17:51	1
1,4-Dioxane	ND		0.72		ug/m3			03/19/21 17:51	1
2,2,4-Trimethylpentane	0.92		0.93		ug/m3			03/19/21 17:51	1
2-Butanone	1.1		0.94		ug/m3			03/19/21 17:51	1
4-Methyl-2-pentanone (MIBK)	ND		0.82		ug/m3			03/19/21 17:51	1
Benzene	0.88		0.26		ug/m3			03/19/21 17:51	1
Benzyl chloride	ND		0.83		ug/m3			03/19/21 17:51	1
Bromodichloromethane	ND		0.54		ug/m3			03/19/21 17:51	1
Bromoform	ND		0.83		ug/m3			03/19/21 17:51	1
Bromomethane	ND		0.31		ug/m3			03/19/21 17:51	1
Carbon tetrachloride	0.57		0.20		ug/m3			03/19/21 17:51	1
Chlorobenzene	ND		0.37		ug/m3			03/19/21 17:51	1
Chloroethane	ND		0.21		ug/m3			03/19/21 17:51	1
Chloroform	ND		0.39		ug/m3			03/19/21 17:51	1
Chloromethane	1.2		0.41		ug/m3			03/19/21 17:51	1
cis-1,2-Dichloroethene	ND		0.16		ug/m3			03/19/21 17:51	1
cis-1,3-Dichloropropene	ND		0.36		ug/m3			03/19/21 17:51	1
Cyclohexane	ND		0.69		ug/m3			03/19/21 17:51	1
Dibromochloromethane	ND		0.68		ug/m3			03/19/21 17:51	1
Dichlorodifluoromethane	1.0		0.40		ug/m3			03/19/21 17:51	1
Ethanol	14	J	3.8		ug/m3			03/19/21 17:51	1
Ethylbenzene	0.40		0.35		ug/m3			03/19/21 17:51	1
Hexachlorobutadiene	ND		0.85		ug/m3			03/19/21 17:51	1
Hexane	1.0		0.70		ug/m3			03/19/21 17:51	1
Methyl tert-butyl ether	ND		0.58		ug/m3			03/19/21 17:51	1
Methylene Chloride	2.7		1.4		ug/m3			03/19/21 17:51	1
m-Xylene & p-Xylene	1.3		0.35		ug/m3			03/19/21 17:51	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22332-1

Client Sample ID: 224121-OA-100

Lab Sample ID: 140-22332-3

Date Collected: 03/15/21 10:10

Matrix: Air

Date Received: 03/17/21 10:40

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		1.0		ug/m3			03/19/21 17:51	1
o-Xylene	0.47		0.35		ug/m3			03/19/21 17:51	1
Styrene	ND		0.34		ug/m3			03/19/21 17:51	1
t-Butyl alcohol	ND		0.97		ug/m3			03/19/21 17:51	1
Tetrachloroethene	ND		0.54		ug/m3			03/19/21 17:51	1
Toluene	3.2		0.45		ug/m3			03/19/21 17:51	1
trans-1,2-Dichloroethene	ND		0.32		ug/m3			03/19/21 17:51	1
trans-1,3-Dichloropropene	ND		0.36		ug/m3			03/19/21 17:51	1
Trichloroethene	ND		0.19		ug/m3			03/19/21 17:51	1
Trichlorofluoromethane	1.4		0.45		ug/m3			03/19/21 17:51	1
Vinyl chloride	ND		0.10		ug/m3			03/19/21 17:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		60 - 140		03/19/21 17:51	1

Client Sample ID: 224121-SS-101

Lab Sample ID: 140-22332-4

Date Collected: 03/15/21 12:17

Matrix: Air

Date Received: 03/17/21 10:40

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.080		ppb v/v			03/19/21 18:44	1
1,1,2,2-Tetrachloroethane	ND		0.080		ppb v/v			03/19/21 18:44	1
1,1,2-Trichloroethane	ND		0.080		ppb v/v			03/19/21 18:44	1
1,1,2-Trichlorotrifluoroethane	ND		0.080		ppb v/v			03/19/21 18:44	1
1,1-Dichloroethane	0.63		0.080		ppb v/v			03/19/21 18:44	1
1,1-Dichloroethene	ND		0.040		ppb v/v			03/19/21 18:44	1
1,2,4-Trichlorobenzene	ND		0.080		ppb v/v			03/19/21 18:44	1
1,2,4-Trimethylbenzene	ND		0.080		ppb v/v			03/19/21 18:44	1
1,2-Dibromoethane	ND		0.080		ppb v/v			03/19/21 18:44	1
1,2-Dichlorobenzene	ND		0.080		ppb v/v			03/19/21 18:44	1
1,2-Dichloroethane	1.7		0.080		ppb v/v			03/19/21 18:44	1
1,2-Dichloropropane	ND		0.080		ppb v/v			03/19/21 18:44	1
1,2-Dichlorotetrafluoroethane	ND		0.080		ppb v/v			03/19/21 18:44	1
1,3,5-Trimethylbenzene	ND		0.080		ppb v/v			03/19/21 18:44	1
1,3-Dichlorobenzene	ND		0.080		ppb v/v			03/19/21 18:44	1
1,4-Dichlorobenzene	ND		0.080		ppb v/v			03/19/21 18:44	1
1,4-Dioxane	ND		0.20		ppb v/v			03/19/21 18:44	1
2,2,4-Trimethylpentane	ND		0.20		ppb v/v			03/19/21 18:44	1
2-Butanone	0.60		0.32		ppb v/v			03/19/21 18:44	1
4-Methyl-2-pentanone (MIBK)	ND		0.20		ppb v/v			03/19/21 18:44	1
Benzene	0.089		0.080		ppb v/v			03/19/21 18:44	1
Benzyl chloride	ND		0.16		ppb v/v			03/19/21 18:44	1
Bromodichloromethane	ND		0.080		ppb v/v			03/19/21 18:44	1
Bromoform	ND		0.080		ppb v/v			03/19/21 18:44	1
Bromomethane	ND		0.080		ppb v/v			03/19/21 18:44	1
Carbon tetrachloride	0.036		0.032		ppb v/v			03/19/21 18:44	1
Chlorobenzene	ND		0.080		ppb v/v			03/19/21 18:44	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22332-1

Client Sample ID: 224121-SS-101

Lab Sample ID: 140-22332-4

Date Collected: 03/15/21 12:17

Matrix: Air

Date Received: 03/17/21 10:40

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	1.3		0.080		ppb v/v			03/19/21 18:44	1
Chloroform	0.20		0.080		ppb v/v			03/19/21 18:44	1
Chloromethane	0.28		0.20		ppb v/v			03/19/21 18:44	1
cis-1,2-Dichloroethene	ND		0.040		ppb v/v			03/19/21 18:44	1
cis-1,3-Dichloropropene	ND		0.080		ppb v/v			03/19/21 18:44	1
Cyclohexane	0.27	CI	0.20		ppb v/v			03/19/21 18:44	1
Dibromochloromethane	ND		0.080		ppb v/v			03/19/21 18:44	1
Dichlorodifluoromethane	0.19		0.080		ppb v/v			03/19/21 18:44	1
Ethanol	5.5		2.0		ppb v/v			03/19/21 18:44	1
Ethylbenzene	ND		0.080		ppb v/v			03/19/21 18:44	1
Hexachlorobutadiene	ND		0.080		ppb v/v			03/19/21 18:44	1
Hexane	0.21		0.20		ppb v/v			03/19/21 18:44	1
Methyl tert-butyl ether	ND		0.16		ppb v/v			03/19/21 18:44	1
Methylene Chloride	0.64		0.40		ppb v/v			03/19/21 18:44	1
m-Xylene & p-Xylene	0.15		0.080		ppb v/v			03/19/21 18:44	1
Naphthalene	ND		0.20		ppb v/v			03/19/21 18:44	1
o-Xylene	ND		0.080		ppb v/v			03/19/21 18:44	1
Styrene	ND		0.080		ppb v/v			03/19/21 18:44	1
t-Butyl alcohol	ND		0.32		ppb v/v			03/19/21 18:44	1
Tetrachloroethene	0.35		0.080		ppb v/v			03/19/21 18:44	1
Toluene	0.17		0.12		ppb v/v			03/19/21 18:44	1
trans-1,2-Dichloroethene	ND		0.080		ppb v/v			03/19/21 18:44	1
trans-1,3-Dichloropropene	ND		0.080		ppb v/v			03/19/21 18:44	1
Trichloroethene	ND		0.036		ppb v/v			03/19/21 18:44	1
Trichlorofluoromethane	0.24		0.080		ppb v/v			03/19/21 18:44	1
Vinyl chloride	0.89		0.040		ppb v/v			03/19/21 18:44	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.44		ug/m3			03/19/21 18:44	1
1,1,2,2-Tetrachloroethane	ND		0.55		ug/m3			03/19/21 18:44	1
1,1,2-Trichloroethane	ND		0.44		ug/m3			03/19/21 18:44	1
1,1,2-Trichlorotrifluoroethane	ND		0.61		ug/m3			03/19/21 18:44	1
1,1-Dichloroethane	2.5		0.32		ug/m3			03/19/21 18:44	1
1,1-Dichloroethene	ND		0.16		ug/m3			03/19/21 18:44	1
1,2,4-Trichlorobenzene	ND		0.59		ug/m3			03/19/21 18:44	1
1,2,4-Trimethylbenzene	ND		0.39		ug/m3			03/19/21 18:44	1
1,2-Dibromoethane	ND		0.61		ug/m3			03/19/21 18:44	1
1,2-Dichlorobenzene	ND		0.48		ug/m3			03/19/21 18:44	1
1,2-Dichloroethane	6.9		0.32		ug/m3			03/19/21 18:44	1
1,2-Dichloropropane	ND		0.37		ug/m3			03/19/21 18:44	1
1,2-Dichlorotetrafluoroethane	ND		0.56		ug/m3			03/19/21 18:44	1
1,3,5-Trimethylbenzene	ND		0.39		ug/m3			03/19/21 18:44	1
1,3-Dichlorobenzene	ND		0.48		ug/m3			03/19/21 18:44	1
1,4-Dichlorobenzene	ND		0.48		ug/m3			03/19/21 18:44	1
1,4-Dioxane	ND		0.72		ug/m3			03/19/21 18:44	1
2,2,4-Trimethylpentane	ND		0.93		ug/m3			03/19/21 18:44	1
2-Butanone	1.8		0.94		ug/m3			03/19/21 18:44	1
4-Methyl-2-pentanone (MIBK)	ND		0.82		ug/m3			03/19/21 18:44	1
Benzene	0.29		0.26		ug/m3			03/19/21 18:44	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22332-1

Client Sample ID: 224121-SS-101

Lab Sample ID: 140-22332-4

Date Collected: 03/15/21 12:17

Matrix: Air

Date Received: 03/17/21 10:40

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzyl chloride	ND		0.83		ug/m3			03/19/21 18:44	1
Bromodichloromethane	ND		0.54		ug/m3			03/19/21 18:44	1
Bromoform	ND		0.83		ug/m3			03/19/21 18:44	1
Bromomethane	ND		0.31		ug/m3			03/19/21 18:44	1
Carbon tetrachloride	0.23		0.20		ug/m3			03/19/21 18:44	1
Chlorobenzene	ND		0.37		ug/m3			03/19/21 18:44	1
Chloroethane	3.4		0.21		ug/m3			03/19/21 18:44	1
Chloroform	0.96		0.39		ug/m3			03/19/21 18:44	1
Chloromethane	0.57		0.41		ug/m3			03/19/21 18:44	1
cis-1,2-Dichloroethene	ND		0.16		ug/m3			03/19/21 18:44	1
cis-1,3-Dichloropropene	ND		0.36		ug/m3			03/19/21 18:44	1
Cyclohexane	0.94	CI	0.69		ug/m3			03/19/21 18:44	1
Dibromochloromethane	ND		0.68		ug/m3			03/19/21 18:44	1
Dichlorodifluoromethane	0.94		0.40		ug/m3			03/19/21 18:44	1
Ethanol	10	J	3.8		ug/m3			03/19/21 18:44	1
Ethylbenzene	ND		0.35		ug/m3			03/19/21 18:44	1
Hexachlorobutadiene	ND		0.85		ug/m3			03/19/21 18:44	1
Hexane	0.75		0.70		ug/m3			03/19/21 18:44	1
Methyl tert-butyl ether	ND		0.58		ug/m3			03/19/21 18:44	1
Methylene Chloride	2.2		1.4		ug/m3			03/19/21 18:44	1
m-Xylene & p-Xylene	0.67		0.35		ug/m3			03/19/21 18:44	1
Naphthalene	ND		1.0		ug/m3			03/19/21 18:44	1
o-Xylene	ND		0.35		ug/m3			03/19/21 18:44	1
Styrene	ND		0.34		ug/m3			03/19/21 18:44	1
t-Butyl alcohol	ND		0.97		ug/m3			03/19/21 18:44	1
Tetrachloroethene	2.4		0.54		ug/m3			03/19/21 18:44	1
Toluene	0.64		0.45		ug/m3			03/19/21 18:44	1
trans-1,2-Dichloroethene	ND		0.32		ug/m3			03/19/21 18:44	1
trans-1,3-Dichloropropene	ND		0.36		ug/m3			03/19/21 18:44	1
Trichloroethene	ND		0.19		ug/m3			03/19/21 18:44	1
Trichlorofluoromethane	1.4		0.45		ug/m3			03/19/21 18:44	1
Vinyl chloride	2.3		0.10		ug/m3			03/19/21 18:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		60 - 140		03/19/21 18:44	1

Client Sample ID: 224121-IA-101

Lab Sample ID: 140-22332-5

Date Collected: 03/15/21 12:16

Matrix: Air

Date Received: 03/17/21 10:40

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.080		ppb v/v			03/19/21 19:35	1
1,1,2,2-Tetrachloroethane	ND		0.080		ppb v/v			03/19/21 19:35	1
1,1,2-Trichloroethane	ND		0.080		ppb v/v			03/19/21 19:35	1
1,1,2-Trichlorotrifluoroethane	ND		0.080		ppb v/v			03/19/21 19:35	1
1,1-Dichloroethane	ND		0.080		ppb v/v			03/19/21 19:35	1
1,1-Dichloroethene	ND		0.040		ppb v/v			03/19/21 19:35	1

Eurofins TestAmerica, Knoxville

ALH 4/8/21

Client Sample Results

Client: New York State D.E.C.
 Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22332-1

Client Sample ID: 224121-IA-101

Lab Sample ID: 140-22332-5

Date Collected: 03/15/21 12:16

Matrix: Air

Date Received: 03/17/21 10:40

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.080		ppb v/v			03/19/21 19:35	1
1,2,4-Trimethylbenzene	ND		0.080		ppb v/v			03/19/21 19:35	1
1,2-Dibromoethane	ND		0.080		ppb v/v			03/19/21 19:35	1
1,2-Dichlorobenzene	ND		0.080		ppb v/v			03/19/21 19:35	1
1,2-Dichloroethane	ND		0.080		ppb v/v			03/19/21 19:35	1
1,2-Dichloropropane	ND		0.080		ppb v/v			03/19/21 19:35	1
1,2-Dichlorotetrafluoroethane	ND		0.080		ppb v/v			03/19/21 19:35	1
1,3,5-Trimethylbenzene	ND		0.080		ppb v/v			03/19/21 19:35	1
1,3-Dichlorobenzene	ND		0.080		ppb v/v			03/19/21 19:35	1
1,4-Dichlorobenzene	ND		0.080		ppb v/v			03/19/21 19:35	1
1,4-Dioxane	ND		0.20		ppb v/v			03/19/21 19:35	1
2,2,4-Trimethylpentane	ND		0.20		ppb v/v			03/19/21 19:35	1
2-Butanone	0.95		0.32		ppb v/v			03/19/21 19:35	1
4-Methyl-2-pentanone (MIBK)	ND		0.20		ppb v/v			03/19/21 19:35	1
Benzene	0.40		0.080		ppb v/v			03/19/21 19:35	1
Benzyl chloride	ND		0.16		ppb v/v			03/19/21 19:35	1
Bromodichloromethane	ND		0.080		ppb v/v			03/19/21 19:35	1
Bromoform	ND		0.080		ppb v/v			03/19/21 19:35	1
Bromomethane	ND		0.080		ppb v/v			03/19/21 19:35	1
Carbon tetrachloride	0.091		0.032		ppb v/v			03/19/21 19:35	1
Chlorobenzene	ND		0.080		ppb v/v			03/19/21 19:35	1
Chloroethane	ND		0.080		ppb v/v			03/19/21 19:35	1
Chloroform	0.13		0.080		ppb v/v			03/19/21 19:35	1
Chloromethane	0.77		0.20		ppb v/v			03/19/21 19:35	1
cis-1,2-Dichloroethene	ND		0.040		ppb v/v			03/19/21 19:35	1
cis-1,3-Dichloropropene	ND		0.080		ppb v/v			03/19/21 19:35	1
Cyclohexane	ND		0.20		ppb v/v			03/19/21 19:35	1
Dibromochloromethane	ND		0.080		ppb v/v			03/19/21 19:35	1
Dichlorodifluoromethane	0.16		0.080		ppb v/v			03/19/21 19:35	1
Ethanol	120	E	2.0		ppb v/v			03/19/21 19:35	1
Ethylbenzene	0.092		0.080		ppb v/v			03/19/21 19:35	1
Hexachlorobutadiene	ND		0.080		ppb v/v			03/19/21 19:35	1
Hexane	0.29		0.20		ppb v/v			03/19/21 19:35	1
Methyl tert-butyl ether	ND		0.16		ppb v/v			03/19/21 19:35	1
Methylene Chloride	4.5		0.40		ppb v/v			03/19/21 19:35	1
m-Xylene & p-Xylene	0.33		0.080		ppb v/v			03/19/21 19:35	1
Naphthalene	ND		0.20		ppb v/v			03/19/21 19:35	1
o-Xylene	0.10		0.080		ppb v/v			03/19/21 19:35	1
Styrene	ND		0.080		ppb v/v			03/19/21 19:35	1
t-Butyl alcohol	ND		0.32		ppb v/v			03/19/21 19:35	1
Tetrachloroethene	ND		0.080		ppb v/v			03/19/21 19:35	1
Toluene	0.88		0.12		ppb v/v			03/19/21 19:35	1
trans-1,2-Dichloroethene	ND		0.080		ppb v/v			03/19/21 19:35	1
trans-1,3-Dichloropropene	ND		0.080		ppb v/v			03/19/21 19:35	1
Trichloroethene	ND		0.036		ppb v/v			03/19/21 19:35	1
Trichlorofluoromethane	0.27		0.080		ppb v/v			03/19/21 19:35	1
Vinyl chloride	ND		0.040		ppb v/v			03/19/21 19:35	1

Client Sample Results

Client: New York State D.E.C.
 Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22332-1

Client Sample ID: 224121-IA-101

Lab Sample ID: 140-22332-5

Date Collected: 03/15/21 12:16

Matrix: Air

Date Received: 03/17/21 10:40

Sample Container: Summa Canister 6L

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.44		ug/m3			03/19/21 19:35	1
1,1,2,2-Tetrachloroethane	ND		0.55		ug/m3			03/19/21 19:35	1
1,1,2-Trichloroethane	ND		0.44		ug/m3			03/19/21 19:35	1
1,1,2-Trichlorotrifluoroethane	ND		0.61		ug/m3			03/19/21 19:35	1
1,1-Dichloroethane	ND		0.32		ug/m3			03/19/21 19:35	1
1,1-Dichloroethene	ND		0.16		ug/m3			03/19/21 19:35	1
1,2,4-Trichlorobenzene	ND		0.59		ug/m3			03/19/21 19:35	1
1,2,4-Trimethylbenzene	ND		0.39		ug/m3			03/19/21 19:35	1
1,2-Dibromoethane	ND		0.61		ug/m3			03/19/21 19:35	1
1,2-Dichlorobenzene	ND		0.48		ug/m3			03/19/21 19:35	1
1,2-Dichloroethane	ND		0.32		ug/m3			03/19/21 19:35	1
1,2-Dichloropropane	ND		0.37		ug/m3			03/19/21 19:35	1
1,2-Dichlorotetrafluoroethane	ND		0.56		ug/m3			03/19/21 19:35	1
1,3,5-Trimethylbenzene	ND		0.39		ug/m3			03/19/21 19:35	1
1,3-Dichlorobenzene	ND		0.48		ug/m3			03/19/21 19:35	1
1,4-Dichlorobenzene	ND		0.48		ug/m3			03/19/21 19:35	1
1,4-Dioxane	ND		0.72		ug/m3			03/19/21 19:35	1
2,2,4-Trimethylpentane	ND		0.93		ug/m3			03/19/21 19:35	1
2-Butanone	2.8		0.94		ug/m3			03/19/21 19:35	1
4-Methyl-2-pentanone (MIBK)	ND		0.82		ug/m3			03/19/21 19:35	1
Benzene	1.3		0.26		ug/m3			03/19/21 19:35	1
Benzyl chloride	ND		0.83		ug/m3			03/19/21 19:35	1
Bromodichloromethane	ND		0.54		ug/m3			03/19/21 19:35	1
Bromoform	ND		0.83		ug/m3			03/19/21 19:35	1
Bromomethane	ND		0.31		ug/m3			03/19/21 19:35	1
Carbon tetrachloride	0.57		0.20		ug/m3			03/19/21 19:35	1
Chlorobenzene	ND		0.37		ug/m3			03/19/21 19:35	1
Chloroethane	ND		0.21		ug/m3			03/19/21 19:35	1
Chloroform	0.62		0.39		ug/m3			03/19/21 19:35	1
Chloromethane	1.6		0.41		ug/m3			03/19/21 19:35	1
cis-1,2-Dichloroethene	ND		0.16		ug/m3			03/19/21 19:35	1
cis-1,3-Dichloropropene	ND		0.36		ug/m3			03/19/21 19:35	1
Cyclohexane	ND		0.69		ug/m3			03/19/21 19:35	1
Dibromochloromethane	ND		0.68		ug/m3			03/19/21 19:35	1
Dichlorodifluoromethane	0.80		0.40		ug/m3			03/19/21 19:35	1
Ethanol	440	-230-E-j-	3.8		ug/m3			03/19/21 19:35	1
Ethylbenzene	0.40		0.35		ug/m3			03/19/21 19:35	1
Hexachlorobutadiene	ND		0.85		ug/m3			03/19/21 19:35	1
Hexane	1.0		0.70		ug/m3			03/19/21 19:35	1
Methyl tert-butyl ether	ND		0.58		ug/m3			03/19/21 19:35	1
Methylene Chloride	16		1.4		ug/m3			03/19/21 19:35	1
m-Xylene & p-Xylene	1.4		0.35		ug/m3			03/19/21 19:35	1
Naphthalene	ND		1.0		ug/m3			03/19/21 19:35	1
o-Xylene	0.45		0.35		ug/m3			03/19/21 19:35	1
Styrene	ND		0.34		ug/m3			03/19/21 19:35	1
t-Butyl alcohol	ND		0.97		ug/m3			03/19/21 19:35	1
Tetrachloroethene	ND		0.54		ug/m3			03/19/21 19:35	1
Toluene	3.3		0.45		ug/m3			03/19/21 19:35	1
trans-1,2-Dichloroethene	ND		0.32		ug/m3			03/19/21 19:35	1

Eurofins TestAmerica, Knoxville

ALH 4/8/21

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22332-1

Client Sample ID: 224121-IA-101

Lab Sample ID: 140-22332-5

Date Collected: 03/15/21 12:16

Matrix: Air

Date Received: 03/17/21 10:40

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	ND		0.36		ug/m3			03/19/21 19:35	1
Trichloroethene	ND		0.19		ug/m3			03/19/21 19:35	1
Trichlorofluoromethane	1.5		0.45		ug/m3			03/19/21 19:35	1
Vinyl chloride	ND		0.10		ug/m3			03/19/21 19:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		60 - 140		03/19/21 19:35	1

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethanol	240	D	10		ppb v/v			03/21/21 17:28	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethanol	440	D	19		ug/m3			03/21/21 17:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		60 - 140		03/21/21 17:28	1

Client Sample ID: 224121-SS-102

Lab Sample ID: 140-22332-6

Date Collected: 03/15/21 14:13

Matrix: Air

Date Received: 03/17/21 10:40

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.080		ppb v/v			03/19/21 20:27	1
1,1,2,2-Tetrachloroethane	ND		0.080		ppb v/v			03/19/21 20:27	1
1,1,2-Trichloroethane	ND		0.080		ppb v/v			03/19/21 20:27	1
1,1,2-Trichlorotrifluoroethane	0.086		0.080		ppb v/v			03/19/21 20:27	1
1,1-Dichloroethane	0.48		0.080		ppb v/v			03/19/21 20:27	1
1,1-Dichloroethene	ND		0.040		ppb v/v			03/19/21 20:27	1
1,2,4-Trichlorobenzene	ND		0.080		ppb v/v			03/19/21 20:27	1
1,2,4-Trimethylbenzene	ND		0.080		ppb v/v			03/19/21 20:27	1
1,2-Dibromoethane	ND		0.080		ppb v/v			03/19/21 20:27	1
1,2-Dichlorobenzene	ND		0.080		ppb v/v			03/19/21 20:27	1
1,2-Dichloroethane	2.1		0.080		ppb v/v			03/19/21 20:27	1
1,2-Dichloropropane	ND		0.080		ppb v/v			03/19/21 20:27	1
1,2-Dichlorotetrafluoroethane	ND		0.080		ppb v/v			03/19/21 20:27	1
1,3,5-Trimethylbenzene	ND		0.080		ppb v/v			03/19/21 20:27	1
1,3-Dichlorobenzene	ND		0.080		ppb v/v			03/19/21 20:27	1
1,4-Dichlorobenzene	ND		0.080		ppb v/v			03/19/21 20:27	1
1,4-Dioxane	ND		0.20		ppb v/v			03/19/21 20:27	1
2,2,4-Trimethylpentane	ND		0.20		ppb v/v			03/19/21 20:27	1
2-Butanone	1.3		0.32		ppb v/v			03/19/21 20:27	1
4-Methyl-2-pentanone (MIBK)	ND		0.20		ppb v/v			03/19/21 20:27	1
Benzene	0.11		0.080		ppb v/v			03/19/21 20:27	1
Benzyl chloride	ND		0.16		ppb v/v			03/19/21 20:27	1
Bromodichloromethane	ND		0.080		ppb v/v			03/19/21 20:27	1
Bromoform	ND		0.080		ppb v/v			03/19/21 20:27	1
Bromomethane	ND		0.080		ppb v/v			03/19/21 20:27	1

Client Sample Results

Client: New York State D.E.C.
 Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22332-1

Client Sample ID: 224121-SS-102

Lab Sample ID: 140-22332-6

Date Collected: 03/15/21 14:13

Matrix: Air

Date Received: 03/17/21 10:40

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	0.091		0.032		ppb v/v			03/19/21 20:27	1
Chlorobenzene	ND		0.080		ppb v/v			03/19/21 20:27	1
Chloroethane	0.78		0.080		ppb v/v			03/19/21 20:27	1
Chloroform	0.086		0.080		ppb v/v			03/19/21 20:27	1
Chloromethane	0.33		0.20		ppb v/v			03/19/21 20:27	1
cis-1,2-Dichloroethene	ND		0.040		ppb v/v			03/19/21 20:27	1
cis-1,3-Dichloropropene	ND		0.080		ppb v/v			03/19/21 20:27	1
Cyclohexane	ND		0.20		ppb v/v			03/19/21 20:27	1
Dibromochloromethane	ND		0.080		ppb v/v			03/19/21 20:27	1
Dichlorodifluoromethane	0.18		0.080		ppb v/v			03/19/21 20:27	1
Ethanol	9.2		2.0		ppb v/v			03/19/21 20:27	1
Ethylbenzene	0.22		0.080		ppb v/v			03/19/21 20:27	1
Hexachlorobutadiene	ND		0.080		ppb v/v			03/19/21 20:27	1
Hexane	ND		0.20		ppb v/v			03/19/21 20:27	1
Methyl tert-butyl ether	ND		0.16		ppb v/v			03/19/21 20:27	1
Methylene Chloride	1.3		0.40		ppb v/v			03/19/21 20:27	1
m-Xylene & p-Xylene	0.67		0.080		ppb v/v			03/19/21 20:27	1
Naphthalene	ND		0.20		ppb v/v			03/19/21 20:27	1
o-Xylene	0.12		0.080		ppb v/v			03/19/21 20:27	1
Styrene	ND		0.080		ppb v/v			03/19/21 20:27	1
t-Butyl alcohol	0.42		0.32		ppb v/v			03/19/21 20:27	1
Tetrachloroethene	ND		0.080		ppb v/v			03/19/21 20:27	1
Toluene	0.30		0.12		ppb v/v			03/19/21 20:27	1
trans-1,2-Dichloroethene	ND		0.080		ppb v/v			03/19/21 20:27	1
trans-1,3-Dichloropropene	ND		0.080		ppb v/v			03/19/21 20:27	1
Trichloroethene	ND		0.036		ppb v/v			03/19/21 20:27	1
Trichlorofluoromethane	0.24		0.080		ppb v/v			03/19/21 20:27	1
Vinyl chloride	0.35		0.040		ppb v/v			03/19/21 20:27	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.44		ug/m3			03/19/21 20:27	1
1,1,2,2-Tetrachloroethane	ND		0.55		ug/m3			03/19/21 20:27	1
1,1,2-Trichloroethane	ND		0.44		ug/m3			03/19/21 20:27	1
1,1,2-Trichlorotrifluoroethane	0.66		0.61		ug/m3			03/19/21 20:27	1
1,1-Dichloroethane	1.9		0.32		ug/m3			03/19/21 20:27	1
1,1-Dichloroethene	ND		0.16		ug/m3			03/19/21 20:27	1
1,2,4-Trichlorobenzene	ND		0.59		ug/m3			03/19/21 20:27	1
1,2,4-Trimethylbenzene	ND		0.39		ug/m3			03/19/21 20:27	1
1,2-Dibromoethane	ND		0.61		ug/m3			03/19/21 20:27	1
1,2-Dichlorobenzene	ND		0.48		ug/m3			03/19/21 20:27	1
1,2-Dichloroethane	8.5		0.32		ug/m3			03/19/21 20:27	1
1,2-Dichloropropane	ND		0.37		ug/m3			03/19/21 20:27	1
1,2-Dichlorotetrafluoroethane	ND		0.56		ug/m3			03/19/21 20:27	1
1,3,5-Trimethylbenzene	ND		0.39		ug/m3			03/19/21 20:27	1
1,3-Dichlorobenzene	ND		0.48		ug/m3			03/19/21 20:27	1
1,4-Dichlorobenzene	ND		0.48		ug/m3			03/19/21 20:27	1
1,4-Dioxane	ND		0.72		ug/m3			03/19/21 20:27	1
2,2,4-Trimethylpentane	ND		0.93		ug/m3			03/19/21 20:27	1
2-Butanone	3.7		0.94		ug/m3			03/19/21 20:27	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22332-1

Client Sample ID: 224121-SS-102

Lab Sample ID: 140-22332-6

Date Collected: 03/15/21 14:13

Matrix: Air

Date Received: 03/17/21 10:40

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone (MIBK)	ND		0.82		ug/m3			03/19/21 20:27	1
Benzene	0.37		0.26		ug/m3			03/19/21 20:27	1
Benzyl chloride	ND		0.83		ug/m3			03/19/21 20:27	1
Bromodichloromethane	ND		0.54		ug/m3			03/19/21 20:27	1
Bromoform	ND		0.83		ug/m3			03/19/21 20:27	1
Bromomethane	ND		0.31		ug/m3			03/19/21 20:27	1
Carbon tetrachloride	0.58		0.20		ug/m3			03/19/21 20:27	1
Chlorobenzene	ND		0.37		ug/m3			03/19/21 20:27	1
Chloroethane	2.0		0.21		ug/m3			03/19/21 20:27	1
Chloroform	0.42		0.39		ug/m3			03/19/21 20:27	1
Chloromethane	0.67		0.41		ug/m3			03/19/21 20:27	1
cis-1,2-Dichloroethene	ND		0.16		ug/m3			03/19/21 20:27	1
cis-1,3-Dichloropropene	ND		0.36		ug/m3			03/19/21 20:27	1
Cyclohexane	ND		0.69		ug/m3			03/19/21 20:27	1
Dibromochloromethane	ND		0.68		ug/m3			03/19/21 20:27	1
Dichlorodifluoromethane	0.89		0.40		ug/m3			03/19/21 20:27	1
Ethanol	17	J	3.8		ug/m3			03/19/21 20:27	1
Ethylbenzene	0.96		0.35		ug/m3			03/19/21 20:27	1
Hexachlorobutadiene	ND		0.85		ug/m3			03/19/21 20:27	1
Hexane	ND		0.70		ug/m3			03/19/21 20:27	1
Methyl tert-butyl ether	ND		0.58		ug/m3			03/19/21 20:27	1
Methylene Chloride	4.4		1.4		ug/m3			03/19/21 20:27	1
m-Xylene & p-Xylene	2.9		0.35		ug/m3			03/19/21 20:27	1
Naphthalene	ND		1.0		ug/m3			03/19/21 20:27	1
o-Xylene	0.53		0.35		ug/m3			03/19/21 20:27	1
Styrene	ND		0.34		ug/m3			03/19/21 20:27	1
t-Butyl alcohol	1.3		0.97		ug/m3			03/19/21 20:27	1
Tetrachloroethene	ND		0.54		ug/m3			03/19/21 20:27	1
Toluene	1.1		0.45		ug/m3			03/19/21 20:27	1
trans-1,2-Dichloroethene	ND		0.32		ug/m3			03/19/21 20:27	1
trans-1,3-Dichloropropene	ND		0.36		ug/m3			03/19/21 20:27	1
Trichloroethene	ND		0.19		ug/m3			03/19/21 20:27	1
Trichlorofluoromethane	1.3		0.45		ug/m3			03/19/21 20:27	1
Vinyl chloride	0.89		0.10		ug/m3			03/19/21 20:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		60 - 140		03/19/21 20:27	1

Client Sample ID: 224121-IA-102

Lab Sample ID: 140-22332-7

Date Collected: 03/15/21 14:15

Matrix: Air

Date Received: 03/17/21 10:40

Sample Container: Summa Canister 3L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.080		ppb v/v			03/19/21 21:19	1
1,1,2,2-Tetrachloroethane	ND		0.080		ppb v/v			03/19/21 21:19	1
1,1,2-Trichloroethane	ND		0.080		ppb v/v			03/19/21 21:19	1
1,1,2-Trichlorotrifluoroethane	ND		0.080		ppb v/v			03/19/21 21:19	1

Eurofins TestAmerica, Knoxville

ALH 4/8/21

Client Sample Results

Client: New York State D.E.C.
 Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22332-1

Client Sample ID: 224121-IA-102

Lab Sample ID: 140-22332-7

Date Collected: 03/15/21 14:15

Matrix: Air

Date Received: 03/17/21 10:40

Sample Container: Summa Canister 3L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.080		ppb v/v			03/19/21 21:19	1
1,1-Dichloroethene	ND		0.040		ppb v/v			03/19/21 21:19	1
1,2,4-Trichlorobenzene	ND		0.080		ppb v/v			03/19/21 21:19	1
1,2,4-Trimethylbenzene	ND		0.080		ppb v/v			03/19/21 21:19	1
1,2-Dibromoethane	ND		0.080		ppb v/v			03/19/21 21:19	1
1,2-Dichlorobenzene	ND		0.080		ppb v/v			03/19/21 21:19	1
1,2-Dichloroethane	ND		0.080		ppb v/v			03/19/21 21:19	1
1,2-Dichloropropane	ND		0.080		ppb v/v			03/19/21 21:19	1
1,2-Dichlorotetrafluoroethane	ND		0.080		ppb v/v			03/19/21 21:19	1
1,3,5-Trimethylbenzene	ND		0.080		ppb v/v			03/19/21 21:19	1
1,3-Dichlorobenzene	ND		0.080		ppb v/v			03/19/21 21:19	1
1,4-Dichlorobenzene	ND		0.080		ppb v/v			03/19/21 21:19	1
1,4-Dioxane	ND		0.20		ppb v/v			03/19/21 21:19	1
2,2,4-Trimethylpentane	ND		0.20		ppb v/v			03/19/21 21:19	1
2-Butanone	ND		0.32		ppb v/v			03/19/21 21:19	1
4-Methyl-2-pentanone (MIBK)	ND		0.20		ppb v/v			03/19/21 21:19	1
Benzene	0.28		0.080		ppb v/v			03/19/21 21:19	1
Benzyl chloride	ND		0.16		ppb v/v			03/19/21 21:19	1
Bromodichloromethane	ND		0.080		ppb v/v			03/19/21 21:19	1
Bromoform	ND		0.080		ppb v/v			03/19/21 21:19	1
Bromomethane	ND		0.080		ppb v/v			03/19/21 21:19	1
Carbon tetrachloride	0.091		0.032		ppb v/v			03/19/21 21:19	1
Chlorobenzene	ND		0.080		ppb v/v			03/19/21 21:19	1
Chloroethane	ND		0.080		ppb v/v			03/19/21 21:19	1
Chloroform	ND		0.080		ppb v/v			03/19/21 21:19	1
Chloromethane	0.55		0.20		ppb v/v			03/19/21 21:19	1
cis-1,2-Dichloroethene	ND		0.040		ppb v/v			03/19/21 21:19	1
cis-1,3-Dichloropropene	ND		0.080		ppb v/v			03/19/21 21:19	1
Cyclohexane	ND		0.20		ppb v/v			03/19/21 21:19	1
Dibromochloromethane	ND		0.080		ppb v/v			03/19/21 21:19	1
Dichlorodifluoromethane	0.17		0.080		ppb v/v			03/19/21 21:19	1
Ethanol	88 E		2.0		ppb v/v			03/19/21 21:19	1
Ethylbenzene	0.083		0.080		ppb v/v			03/19/21 21:19	1
Hexachlorobutadiene	ND		0.080		ppb v/v			03/19/21 21:19	1
Hexane	0.24		0.20		ppb v/v			03/19/21 21:19	1
Methyl tert-butyl ether	ND		0.16		ppb v/v			03/19/21 21:19	1
Methylene Chloride	0.89		0.40		ppb v/v			03/19/21 21:19	1
m-Xylene & p-Xylene	0.28		0.080		ppb v/v			03/19/21 21:19	1
Naphthalene	ND		0.20		ppb v/v			03/19/21 21:19	1
o-Xylene	0.10		0.080		ppb v/v			03/19/21 21:19	1
Styrene	ND		0.080		ppb v/v			03/19/21 21:19	1
t-Butyl alcohol	ND		0.32		ppb v/v			03/19/21 21:19	1
Tetrachloroethene	0.090		0.080		ppb v/v			03/19/21 21:19	1
Toluene	0.71		0.12		ppb v/v			03/19/21 21:19	1
trans-1,2-Dichloroethene	ND		0.080		ppb v/v			03/19/21 21:19	1
trans-1,3-Dichloropropene	ND		0.080		ppb v/v			03/19/21 21:19	1
Trichloroethene	ND		0.036		ppb v/v			03/19/21 21:19	1
Trichlorofluoromethane	0.23		0.080		ppb v/v			03/19/21 21:19	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22332-1

Client Sample ID: 224121-IA-102

Lab Sample ID: 140-22332-7

Date Collected: 03/15/21 14:15

Matrix: Air

Date Received: 03/17/21 10:40

Sample Container: Summa Canister 3L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		0.040		ppb v/v			03/19/21 21:19	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.44		ug/m3			03/19/21 21:19	1
1,1,2,2-Tetrachloroethane	ND		0.55		ug/m3			03/19/21 21:19	1
1,1,2-Trichloroethane	ND		0.44		ug/m3			03/19/21 21:19	1
1,1,2-Trichlorotrifluoroethane	ND		0.61		ug/m3			03/19/21 21:19	1
1,1-Dichloroethane	ND		0.32		ug/m3			03/19/21 21:19	1
1,1-Dichloroethene	ND		0.16		ug/m3			03/19/21 21:19	1
1,2,4-Trichlorobenzene	ND		0.59		ug/m3			03/19/21 21:19	1
1,2,4-Trimethylbenzene	ND		0.39		ug/m3			03/19/21 21:19	1
1,2-Dibromoethane	ND		0.61		ug/m3			03/19/21 21:19	1
1,2-Dichlorobenzene	ND		0.48		ug/m3			03/19/21 21:19	1
1,2-Dichloroethane	ND		0.32		ug/m3			03/19/21 21:19	1
1,2-Dichloropropane	ND		0.37		ug/m3			03/19/21 21:19	1
1,2-Dichlorotetrafluoroethane	ND		0.56		ug/m3			03/19/21 21:19	1
1,3,5-Trimethylbenzene	ND		0.39		ug/m3			03/19/21 21:19	1
1,3-Dichlorobenzene	ND		0.48		ug/m3			03/19/21 21:19	1
1,4-Dichlorobenzene	ND		0.48		ug/m3			03/19/21 21:19	1
1,4-Dioxane	ND		0.72		ug/m3			03/19/21 21:19	1
2,2,4-Trimethylpentane	ND		0.93		ug/m3			03/19/21 21:19	1
2-Butanone	ND		0.94		ug/m3			03/19/21 21:19	1
4-Methyl-2-pentanone (MIBK)	ND		0.82		ug/m3			03/19/21 21:19	1
Benzene	0.89		0.26		ug/m3			03/19/21 21:19	1
Benzyl chloride	ND		0.83		ug/m3			03/19/21 21:19	1
Bromodichloromethane	ND		0.54		ug/m3			03/19/21 21:19	1
Bromoform	ND		0.83		ug/m3			03/19/21 21:19	1
Bromomethane	ND		0.31		ug/m3			03/19/21 21:19	1
Carbon tetrachloride	0.57		0.20		ug/m3			03/19/21 21:19	1
Chlorobenzene	ND		0.37		ug/m3			03/19/21 21:19	1
Chloroethane	ND		0.21		ug/m3			03/19/21 21:19	1
Chloroform	ND		0.39		ug/m3			03/19/21 21:19	1
Chloromethane	1.1		0.41		ug/m3			03/19/21 21:19	1
cis-1,2-Dichloroethene	ND		0.16		ug/m3			03/19/21 21:19	1
cis-1,3-Dichloropropene	ND		0.36		ug/m3			03/19/21 21:19	1
Cyclohexane	ND		0.69		ug/m3			03/19/21 21:19	1
Dibromochloromethane	ND		0.68		ug/m3			03/19/21 21:19	1
Dichlorodifluoromethane	0.85		0.40		ug/m3			03/19/21 21:19	1
Ethanol	280	170-E-j	3.8		ug/m3			03/19/21 21:19	1
Ethylbenzene	0.36		0.35		ug/m3			03/19/21 21:19	1
Hexachlorobutadiene	ND		0.85		ug/m3			03/19/21 21:19	1
Hexane	0.84		0.70		ug/m3			03/19/21 21:19	1
Methyl tert-butyl ether	ND		0.58		ug/m3			03/19/21 21:19	1
Methylene Chloride	3.1		1.4		ug/m3			03/19/21 21:19	1
m-Xylene & p-Xylene	1.2		0.35		ug/m3			03/19/21 21:19	1
Naphthalene	ND		1.0		ug/m3			03/19/21 21:19	1
o-Xylene	0.45		0.35		ug/m3			03/19/21 21:19	1
Styrene	ND		0.34		ug/m3			03/19/21 21:19	1
t-Butyl alcohol	ND		0.97		ug/m3			03/19/21 21:19	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22332-1

Client Sample ID: 224121-IA-102

Lab Sample ID: 140-22332-7

Date Collected: 03/15/21 14:15

Matrix: Air

Date Received: 03/17/21 10:40

Sample Container: Summa Canister 3L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	0.61		0.54		ug/m3			03/19/21 21:19	1
Toluene	2.7		0.45		ug/m3			03/19/21 21:19	1
trans-1,2-Dichloroethene	ND		0.32		ug/m3			03/19/21 21:19	1
trans-1,3-Dichloropropene	ND		0.36		ug/m3			03/19/21 21:19	1
Trichloroethene	ND		0.19		ug/m3			03/19/21 21:19	1
Trichlorofluoromethane	1.3		0.45		ug/m3			03/19/21 21:19	1
Vinyl chloride	ND		0.10		ug/m3			03/19/21 21:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		60 - 140		03/19/21 21:19	1

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethanol	150	D	10		ppb v/v			03/21/21 18:16	1
Ethanol	280	D	19		ug/m3			03/21/21 18:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		60 - 140		03/21/21 18:16	1

Client Sample ID: 224121-SS-103

Lab Sample ID: 140-22332-8

Date Collected: 03/15/21 16:15

Matrix: Air

Date Received: 03/17/21 10:40

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.80		ppb v/v			03/22/21 22:46	1
1,1,2,2-Tetrachloroethane	ND		0.80		ppb v/v			03/22/21 22:46	1
1,1,2-Trichloroethane	ND		0.80		ppb v/v			03/22/21 22:46	1
1,1,2-Trichlorotrifluoroethane	ND		0.80		ppb v/v			03/22/21 22:46	1
1,1-Dichloroethane	1.3		0.80		ppb v/v			03/22/21 22:46	1
1,1-Dichloroethene	ND		0.40		ppb v/v			03/22/21 22:46	1
1,2,4-Trichlorobenzene	ND		0.80		ppb v/v			03/22/21 22:46	1
1,2,4-Trimethylbenzene	ND		0.80		ppb v/v			03/22/21 22:46	1
1,2-Dibromoethane	ND		0.80		ppb v/v			03/22/21 22:46	1
1,2-Dichlorobenzene	ND		0.80		ppb v/v			03/22/21 22:46	1
1,2-Dichloroethane	3.9		0.80		ppb v/v			03/22/21 22:46	1
1,2-Dichloropropane	ND		0.80		ppb v/v			03/22/21 22:46	1
1,2-Dichlorotetrafluoroethane	ND		0.80		ppb v/v			03/22/21 22:46	1
1,3,5-Trimethylbenzene	ND		0.80		ppb v/v			03/22/21 22:46	1
1,3-Dichlorobenzene	ND		0.80		ppb v/v			03/22/21 22:46	1
1,4-Dichlorobenzene	ND		0.80		ppb v/v			03/22/21 22:46	1
1,4-Dioxane	ND		2.0		ppb v/v			03/22/21 22:46	1
2,2,4-Trimethylpentane	ND		2.0		ppb v/v			03/22/21 22:46	1
2-Butanone	ND		3.2		ppb v/v			03/22/21 22:46	1
4-Methyl-2-pentanone (MIBK)	ND		2.0		ppb v/v			03/22/21 22:46	1
Benzene	ND		0.80		ppb v/v			03/22/21 22:46	1
Benzyl chloride	ND		1.6		ppb v/v			03/22/21 22:46	1

Client Sample Results

Client: New York State D.E.C.
 Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22332-1

Client Sample ID: 224121-SS-103

Lab Sample ID: 140-22332-8

Date Collected: 03/15/21 16:15

Matrix: Air

Date Received: 03/17/21 10:40

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		0.80		ppb v/v			03/22/21 22:46	1
Bromoform	ND		0.80		ppb v/v			03/22/21 22:46	1
Bromomethane	ND		0.80		ppb v/v			03/22/21 22:46	1
Carbon tetrachloride	ND		0.32		ppb v/v			03/22/21 22:46	1
Chlorobenzene	ND		0.80		ppb v/v			03/22/21 22:46	1
Chloroethane	2.6		0.80		ppb v/v			03/22/21 22:46	1
Chloroform	ND		0.80		ppb v/v			03/22/21 22:46	1
Chloromethane	ND		2.0		ppb v/v			03/22/21 22:46	1
cis-1,2-Dichloroethene	ND		0.40		ppb v/v			03/22/21 22:46	1
cis-1,3-Dichloropropene	ND		0.80		ppb v/v			03/22/21 22:46	1
Cyclohexane	4.3	CI	2.0		ppb v/v			03/22/21 22:46	1
Dibromochloromethane	ND		0.80		ppb v/v			03/22/21 22:46	1
Dichlorodifluoromethane	ND		0.80		ppb v/v			03/22/21 22:46	1
Ethanol	22		20		ppb v/v			03/22/21 22:46	1
Ethylbenzene	ND		0.80		ppb v/v			03/22/21 22:46	1
Hexachlorobutadiene	ND		0.80		ppb v/v			03/22/21 22:46	1
Hexane	ND		2.0		ppb v/v			03/22/21 22:46	1
Methyl tert-butyl ether	ND		1.6		ppb v/v			03/22/21 22:46	1
Methylene Chloride	ND		4.0		ppb v/v			03/22/21 22:46	1
m-Xylene & p-Xylene	ND		0.80		ppb v/v			03/22/21 22:46	1
Naphthalene	ND		2.0		ppb v/v			03/22/21 22:46	1
o-Xylene	ND		0.80		ppb v/v			03/22/21 22:46	1
Styrene	ND		0.80		ppb v/v			03/22/21 22:46	1
t-Butyl alcohol	ND		3.2		ppb v/v			03/22/21 22:46	1
Tetrachloroethene	ND		0.80		ppb v/v			03/22/21 22:46	1
Toluene	ND		1.2		ppb v/v			03/22/21 22:46	1
trans-1,2-Dichloroethene	ND		0.80		ppb v/v			03/22/21 22:46	1
trans-1,3-Dichloropropene	ND		0.80		ppb v/v			03/22/21 22:46	1
Trichloroethene	ND		0.36		ppb v/v			03/22/21 22:46	1
Trichlorofluoromethane	ND		0.80		ppb v/v			03/22/21 22:46	1
Vinyl chloride	1.7		0.40		ppb v/v			03/22/21 22:46	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.4		ug/m3			03/22/21 22:46	1
1,1,2,2-Tetrachloroethane	ND		5.5		ug/m3			03/22/21 22:46	1
1,1,2-Trichloroethane	ND		4.4		ug/m3			03/22/21 22:46	1
1,1,2-Trichlorotrifluoroethane	ND		6.1		ug/m3			03/22/21 22:46	1
1,1-Dichloroethane	5.4		3.2		ug/m3			03/22/21 22:46	1
1,1-Dichloroethene	ND		1.6		ug/m3			03/22/21 22:46	1
1,2,4-Trichlorobenzene	ND	UJ	5.9		ug/m3			03/22/21 22:46	1
1,2,4-Trimethylbenzene	ND		3.9		ug/m3			03/22/21 22:46	1
1,2-Dibromoethane	ND		6.1		ug/m3			03/22/21 22:46	1
1,2-Dichlorobenzene	ND		4.8		ug/m3			03/22/21 22:46	1
1,2-Dichloroethane	16		3.2		ug/m3			03/22/21 22:46	1
1,2-Dichloropropane	ND		3.7		ug/m3			03/22/21 22:46	1
1,2-Dichlorotetrafluoroethane	ND		5.6		ug/m3			03/22/21 22:46	1
1,3,5-Trimethylbenzene	ND		3.9		ug/m3			03/22/21 22:46	1
1,3-Dichlorobenzene	ND		4.8		ug/m3			03/22/21 22:46	1
1,4-Dichlorobenzene	ND		4.8		ug/m3			03/22/21 22:46	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22332-1

Client Sample ID: 224121-SS-103

Lab Sample ID: 140-22332-8

Date Collected: 03/15/21 16:15

Matrix: Air

Date Received: 03/17/21 10:40

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		7.2		ug/m3			03/22/21 22:46	1
2,2,4-Trimethylpentane	ND		9.3		ug/m3			03/22/21 22:46	1
2-Butanone	ND		9.4		ug/m3			03/22/21 22:46	1
4-Methyl-2-pentanone (MIBK)	ND		8.2		ug/m3			03/22/21 22:46	1
Benzene	ND		2.6		ug/m3			03/22/21 22:46	1
Benzyl chloride	ND		8.3		ug/m3			03/22/21 22:46	1
Bromodichloromethane	ND		5.4		ug/m3			03/22/21 22:46	1
Bromoform	ND		8.3		ug/m3			03/22/21 22:46	1
Bromomethane	ND		3.1		ug/m3			03/22/21 22:46	1
Carbon tetrachloride	ND		2.0		ug/m3			03/22/21 22:46	1
Chlorobenzene	ND		3.7		ug/m3			03/22/21 22:46	1
Chloroethane	6.8		2.1		ug/m3			03/22/21 22:46	1
Chloroform	ND		3.9		ug/m3			03/22/21 22:46	1
Chloromethane	ND		4.1		ug/m3			03/22/21 22:46	1
cis-1,2-Dichloroethene	ND		1.6		ug/m3			03/22/21 22:46	1
cis-1,3-Dichloropropene	ND		3.6		ug/m3			03/22/21 22:46	1
Cyclohexane	15	CI	6.9		ug/m3			03/22/21 22:46	1
Dibromochloromethane	ND		6.8		ug/m3			03/22/21 22:46	1
Dichlorodifluoromethane	ND		4.0		ug/m3			03/22/21 22:46	1
Ethanol	41		38		ug/m3			03/22/21 22:46	1
Ethylbenzene	ND		3.5		ug/m3			03/22/21 22:46	1
Hexachlorobutadiene	ND	UJ	8.5		ug/m3			03/22/21 22:46	1
Hexane	ND		7.0		ug/m3			03/22/21 22:46	1
Methyl tert-butyl ether	ND		5.8		ug/m3			03/22/21 22:46	1
Methylene Chloride	ND		14		ug/m3			03/22/21 22:46	1
m-Xylene & p-Xylene	ND		3.5		ug/m3			03/22/21 22:46	1
Naphthalene	ND	UJ	10		ug/m3			03/22/21 22:46	1
o-Xylene	ND		3.5		ug/m3			03/22/21 22:46	1
Styrene	ND		3.4		ug/m3			03/22/21 22:46	1
t-Butyl alcohol	ND		9.7		ug/m3			03/22/21 22:46	1
Tetrachloroethene	ND		5.4		ug/m3			03/22/21 22:46	1
Toluene	ND		4.5		ug/m3			03/22/21 22:46	1
trans-1,2-Dichloroethene	ND		3.2		ug/m3			03/22/21 22:46	1
trans-1,3-Dichloropropene	ND		3.6		ug/m3			03/22/21 22:46	1
Trichloroethene	ND		1.9		ug/m3			03/22/21 22:46	1
Trichlorofluoromethane	ND		4.5		ug/m3			03/22/21 22:46	1
Vinyl chloride	4.4		1.0		ug/m3			03/22/21 22:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		60 - 140					03/22/21 22:46	1

Client Sample ID: 224121-IA-103

Lab Sample ID: 140-22332-9

Date Collected: 03/15/21 16:13

Matrix: Air

Date Received: 03/17/21 10:40

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.080		ppb v/v			03/21/21 19:10	1

Eurofins TestAmerica, Knoxville

ALH 4/8/21

Client Sample Results

Client: New York State D.E.C.
 Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22332-1

Client Sample ID: 224121-IA-103

Lab Sample ID: 140-22332-9

Date Collected: 03/15/21 16:13

Matrix: Air

Date Received: 03/17/21 10:40

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		0.080		ppb v/v			03/21/21 19:10	1
1,1,2-Trichloroethane	ND		0.080		ppb v/v			03/21/21 19:10	1
1,1,2-Trichlorotrifluoroethane	0.083		0.080		ppb v/v			03/21/21 19:10	1
1,1-Dichloroethane	ND		0.080		ppb v/v			03/21/21 19:10	1
1,1-Dichloroethene	ND		0.040		ppb v/v			03/21/21 19:10	1
1,2,4-Trichlorobenzene	ND		0.080		ppb v/v			03/21/21 19:10	1
1,2,4-Trimethylbenzene	ND		0.080		ppb v/v			03/21/21 19:10	1
1,2-Dibromoethane	ND		0.080		ppb v/v			03/21/21 19:10	1
1,2-Dichlorobenzene	ND		0.080		ppb v/v			03/21/21 19:10	1
1,2-Dichloroethane	ND		0.080		ppb v/v			03/21/21 19:10	1
1,2-Dichloropropane	ND		0.080		ppb v/v			03/21/21 19:10	1
1,2-Dichlorotetrafluoroethane	ND		0.080		ppb v/v			03/21/21 19:10	1
1,3,5-Trimethylbenzene	ND		0.080		ppb v/v			03/21/21 19:10	1
1,3-Dichlorobenzene	ND		0.080		ppb v/v			03/21/21 19:10	1
1,4-Dichlorobenzene	ND		0.080		ppb v/v			03/21/21 19:10	1
1,4-Dioxane	ND		0.20		ppb v/v			03/21/21 19:10	1
2,2,4-Trimethylpentane	ND		0.20		ppb v/v			03/21/21 19:10	1
2-Butanone	0.54		0.32		ppb v/v			03/21/21 19:10	1
4-Methyl-2-pentanone (MIBK)	ND		0.20		ppb v/v			03/21/21 19:10	1
Benzene	0.39		0.080		ppb v/v			03/21/21 19:10	1
Benzyl chloride	ND		0.16		ppb v/v			03/21/21 19:10	1
Bromodichloromethane	ND		0.080		ppb v/v			03/21/21 19:10	1
Bromoform	ND		0.080		ppb v/v			03/21/21 19:10	1
Bromomethane	ND		0.080		ppb v/v			03/21/21 19:10	1
Carbon tetrachloride	0.10		0.032		ppb v/v			03/21/21 19:10	1
Chlorobenzene	ND		0.080		ppb v/v			03/21/21 19:10	1
Chloroethane	ND		0.080		ppb v/v			03/21/21 19:10	1
Chloroform	ND		0.080		ppb v/v			03/21/21 19:10	1
Chloromethane	0.62		0.20		ppb v/v			03/21/21 19:10	1
cis-1,2-Dichloroethene	ND		0.040		ppb v/v			03/21/21 19:10	1
cis-1,3-Dichloropropene	ND		0.080		ppb v/v			03/21/21 19:10	1
Cyclohexane	ND		0.20		ppb v/v			03/21/21 19:10	1
Dibromochloromethane	ND		0.080		ppb v/v			03/21/21 19:10	1
Dichlorodifluoromethane	0.20		0.080		ppb v/v			03/21/21 19:10	1
Ethanol	22		2.0		ppb v/v			03/21/21 19:10	1
Ethylbenzene	ND		0.080		ppb v/v			03/21/21 19:10	1
Hexachlorobutadiene	ND		0.080		ppb v/v			03/21/21 19:10	1
Hexane	0.26		0.20		ppb v/v			03/21/21 19:10	1
Methyl tert-butyl ether	ND		0.16		ppb v/v			03/21/21 19:10	1
Methylene Chloride	0.83		0.40		ppb v/v			03/21/21 19:10	1
m-Xylene & p-Xylene	0.14		0.080		ppb v/v			03/21/21 19:10	1
Naphthalene	ND		0.20		ppb v/v			03/21/21 19:10	1
o-Xylene	ND		0.080		ppb v/v			03/21/21 19:10	1
Styrene	ND		0.080		ppb v/v			03/21/21 19:10	1
t-Butyl alcohol	ND		0.32		ppb v/v			03/21/21 19:10	1
Tetrachloroethene	0.11		0.080		ppb v/v			03/21/21 19:10	1
Toluene	0.58		0.12		ppb v/v			03/21/21 19:10	1
trans-1,2-Dichloroethene	ND		0.080		ppb v/v			03/21/21 19:10	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22332-1

Client Sample ID: 224121-IA-103

Lab Sample ID: 140-22332-9

Date Collected: 03/15/21 16:13

Matrix: Air

Date Received: 03/17/21 10:40

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	ND		0.080		ppb v/v			03/21/21 19:10	1
Trichloroethene	ND		0.036		ppb v/v			03/21/21 19:10	1
Trichlorofluoromethane	0.38		0.080		ppb v/v			03/21/21 19:10	1
Vinyl chloride	ND	*+	0.040		ppb v/v			03/21/21 19:10	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.44		ug/m3			03/21/21 19:10	1
1,1,2,2-Tetrachloroethane	ND		0.55		ug/m3			03/21/21 19:10	1
1,1,2-Trichloroethane	ND		0.44		ug/m3			03/21/21 19:10	1
1,1,2-Trichlorotrifluoroethane	0.64		0.61		ug/m3			03/21/21 19:10	1
1,1-Dichloroethane	ND		0.32		ug/m3			03/21/21 19:10	1
1,1-Dichloroethene	ND		0.16		ug/m3			03/21/21 19:10	1
1,2,4-Trichlorobenzene	ND		0.59		ug/m3			03/21/21 19:10	1
1,2,4-Trimethylbenzene	ND		0.39		ug/m3			03/21/21 19:10	1
1,2-Dibromoethane	ND		0.61		ug/m3			03/21/21 19:10	1
1,2-Dichlorobenzene	ND		0.48		ug/m3			03/21/21 19:10	1
1,2-Dichloroethane	ND		0.32		ug/m3			03/21/21 19:10	1
1,2-Dichloropropane	ND		0.37		ug/m3			03/21/21 19:10	1
1,2-Dichlorotetrafluoroethane	ND		0.56		ug/m3			03/21/21 19:10	1
1,3,5-Trimethylbenzene	ND		0.39		ug/m3			03/21/21 19:10	1
1,3-Dichlorobenzene	ND		0.48		ug/m3			03/21/21 19:10	1
1,4-Dichlorobenzene	ND		0.48		ug/m3			03/21/21 19:10	1
1,4-Dioxane	ND		0.72		ug/m3			03/21/21 19:10	1
2,2,4-Trimethylpentane	ND		0.93		ug/m3			03/21/21 19:10	1
2-Butanone	1.6		0.94		ug/m3			03/21/21 19:10	1
4-Methyl-2-pentanone (MIBK)	ND		0.82		ug/m3			03/21/21 19:10	1
Benzene	1.3		0.26		ug/m3			03/21/21 19:10	1
Benzyl chloride	ND		0.83		ug/m3			03/21/21 19:10	1
Bromodichloromethane	ND		0.54		ug/m3			03/21/21 19:10	1
Bromoform	ND		0.83		ug/m3			03/21/21 19:10	1
Bromomethane	ND		0.31		ug/m3			03/21/21 19:10	1
Carbon tetrachloride	0.63		0.20		ug/m3			03/21/21 19:10	1
Chlorobenzene	ND		0.37		ug/m3			03/21/21 19:10	1
Chloroethane	ND		0.21		ug/m3			03/21/21 19:10	1
Chloroform	ND		0.39		ug/m3			03/21/21 19:10	1
Chloromethane	1.3		0.41		ug/m3			03/21/21 19:10	1
cis-1,2-Dichloroethene	ND		0.16		ug/m3			03/21/21 19:10	1
cis-1,3-Dichloropropene	ND		0.36		ug/m3			03/21/21 19:10	1
Cyclohexane	ND		0.69		ug/m3			03/21/21 19:10	1
Dibromochloromethane	ND		0.68		ug/m3			03/21/21 19:10	1
Dichlorodifluoromethane	0.97		0.40		ug/m3			03/21/21 19:10	1
Ethanol	41		3.8		ug/m3			03/21/21 19:10	1
Ethylbenzene	ND		0.35		ug/m3			03/21/21 19:10	1
Hexachlorobutadiene	ND		0.85		ug/m3			03/21/21 19:10	1
Hexane	0.93		0.70		ug/m3			03/21/21 19:10	1
Methyl tert-butyl ether	ND		0.58		ug/m3			03/21/21 19:10	1
Methylene Chloride	2.9		1.4		ug/m3			03/21/21 19:10	1
m-Xylene & p-Xylene	0.61		0.35		ug/m3			03/21/21 19:10	1
Naphthalene	ND		1.0		ug/m3			03/21/21 19:10	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22332-1

Client Sample ID: 224121-IA-103

Lab Sample ID: 140-22332-9

Date Collected: 03/15/21 16:13

Matrix: Air

Date Received: 03/17/21 10:40

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	ND		0.35		ug/m3			03/21/21 19:10	1
Styrene	ND		0.34		ug/m3			03/21/21 19:10	1
t-Butyl alcohol	ND		0.97		ug/m3			03/21/21 19:10	1
Tetrachloroethene	0.74		0.54		ug/m3			03/21/21 19:10	1
Toluene	2.2		0.45		ug/m3			03/21/21 19:10	1
trans-1,2-Dichloroethene	ND		0.32		ug/m3			03/21/21 19:10	1
trans-1,3-Dichloropropene	ND		0.36		ug/m3			03/21/21 19:10	1
Trichloroethene	ND		0.19		ug/m3			03/21/21 19:10	1
Trichlorofluoromethane	2.2	J	0.45		ug/m3			03/21/21 19:10	1
Vinyl chloride	ND	*+ UJ	0.10		ug/m3			03/21/21 19:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		60 - 140					03/21/21 19:10	1

Client Sample ID: 224121-OA-103

Lab Sample ID: 140-22332-10

Date Collected: 03/15/21 16:10

Matrix: Air

Date Received: 03/17/21 10:40

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.20		ppb v/v			03/21/21 19:59	1
1,1,2,2-Tetrachloroethane	ND		0.20		ppb v/v			03/21/21 19:59	1
1,1,2-Trichloroethane	ND		0.20		ppb v/v			03/21/21 19:59	1
1,1,2-Trichlorotrifluoroethane	ND		0.20		ppb v/v			03/21/21 19:59	1
1,1-Dichloroethane	ND		0.20		ppb v/v			03/21/21 19:59	1
1,1-Dichloroethene	ND		0.10		ppb v/v			03/21/21 19:59	1
1,2,4-Trichlorobenzene	ND		0.20		ppb v/v			03/21/21 19:59	1
1,2,4-Trimethylbenzene	ND		0.20		ppb v/v			03/21/21 19:59	1
1,2-Dibromoethane	ND		0.20		ppb v/v			03/21/21 19:59	1
1,2-Dichlorobenzene	ND		0.20		ppb v/v			03/21/21 19:59	1
1,2-Dichloroethane	ND		0.20		ppb v/v			03/21/21 19:59	1
1,2-Dichloropropane	ND		0.20		ppb v/v			03/21/21 19:59	1
1,2-Dichlorotetrafluoroethane	ND		0.20		ppb v/v			03/21/21 19:59	1
1,3,5-Trimethylbenzene	ND		0.20		ppb v/v			03/21/21 19:59	1
1,3-Dichlorobenzene	ND		0.20		ppb v/v			03/21/21 19:59	1
1,4-Dichlorobenzene	ND		0.20		ppb v/v			03/21/21 19:59	1
1,4-Dioxane	ND		0.50		ppb v/v			03/21/21 19:59	1
2,2,4-Trimethylpentane	ND		0.50		ppb v/v			03/21/21 19:59	1
2-Butanone	ND		0.80		ppb v/v			03/21/21 19:59	1
4-Methyl-2-pentanone (MIBK)	ND		0.50		ppb v/v			03/21/21 19:59	1
Benzene	0.26		0.20		ppb v/v			03/21/21 19:59	1
Benzyl chloride	ND		0.40		ppb v/v			03/21/21 19:59	1
Bromodichloromethane	ND		0.20		ppb v/v			03/21/21 19:59	1
Bromoform	ND		0.20		ppb v/v			03/21/21 19:59	1
Bromomethane	ND		0.20		ppb v/v			03/21/21 19:59	1
Carbon tetrachloride	0.081		0.080		ppb v/v			03/21/21 19:59	1
Chlorobenzene	ND		0.20		ppb v/v			03/21/21 19:59	1
Chloroethane	ND		0.20		ppb v/v			03/21/21 19:59	1

Eurofins TestAmerica, Knoxville

ALH 4/8/21

Client Sample Results

Client: New York State D.E.C.
 Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22332-1

Client Sample ID: 224121-OA-103

Lab Sample ID: 140-22332-10

Date Collected: 03/15/21 16:10

Matrix: Air

Date Received: 03/17/21 10:40

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	ND		0.20		ppb v/v			03/21/21 19:59	1
Chloromethane	0.82		0.50		ppb v/v			03/21/21 19:59	1
cis-1,2-Dichloroethene	ND		0.10		ppb v/v			03/21/21 19:59	1
cis-1,3-Dichloropropene	ND		0.20		ppb v/v			03/21/21 19:59	1
Cyclohexane	ND		0.50		ppb v/v			03/21/21 19:59	1
Dibromochloromethane	ND		0.20		ppb v/v			03/21/21 19:59	1
Dichlorodifluoromethane	0.29		0.20		ppb v/v			03/21/21 19:59	1
Ethanol	8.4		5.0		ppb v/v			03/21/21 19:59	1
Ethylbenzene	ND		0.20		ppb v/v			03/21/21 19:59	1
Hexachlorobutadiene	ND		0.20		ppb v/v			03/21/21 19:59	1
Hexane	ND		0.50		ppb v/v			03/21/21 19:59	1
Methyl tert-butyl ether	ND		0.40		ppb v/v			03/21/21 19:59	1
Methylene Chloride	ND		1.0		ppb v/v			03/21/21 19:59	1
m-Xylene & p-Xylene	ND		0.20		ppb v/v			03/21/21 19:59	1
Naphthalene	ND		0.50		ppb v/v			03/21/21 19:59	1
o-Xylene	ND		0.20		ppb v/v			03/21/21 19:59	1
Styrene	ND		0.20		ppb v/v			03/21/21 19:59	1
t-Butyl alcohol	ND		0.80		ppb v/v			03/21/21 19:59	1
Tetrachloroethene	ND		0.20		ppb v/v			03/21/21 19:59	1
Toluene	0.52		0.30		ppb v/v			03/21/21 19:59	1
trans-1,2-Dichloroethene	ND		0.20		ppb v/v			03/21/21 19:59	1
trans-1,3-Dichloropropene	ND		0.20		ppb v/v			03/21/21 19:59	1
Trichloroethene	ND		0.090		ppb v/v			03/21/21 19:59	1
Trichlorofluoromethane	0.36		0.20		ppb v/v			03/21/21 19:59	1
Vinyl chloride	ND	*+	0.10		ppb v/v			03/21/21 19:59	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.1		ug/m3			03/21/21 19:59	1
1,1,2,2-Tetrachloroethane	ND		1.4		ug/m3			03/21/21 19:59	1
1,1,2-Trichloroethane	ND		1.1		ug/m3			03/21/21 19:59	1
1,1,2-Trichlorotrifluoroethane	ND		1.5		ug/m3			03/21/21 19:59	1
1,1-Dichloroethane	ND		0.81		ug/m3			03/21/21 19:59	1
1,1-Dichloroethene	ND		0.40		ug/m3			03/21/21 19:59	1
1,2,4-Trichlorobenzene	ND		1.5		ug/m3			03/21/21 19:59	1
1,2,4-Trimethylbenzene	ND		0.98		ug/m3			03/21/21 19:59	1
1,2-Dibromoethane	ND		1.5		ug/m3			03/21/21 19:59	1
1,2-Dichlorobenzene	ND		1.2		ug/m3			03/21/21 19:59	1
1,2-Dichloroethane	ND		0.81		ug/m3			03/21/21 19:59	1
1,2-Dichloropropane	ND		0.92		ug/m3			03/21/21 19:59	1
1,2-Dichlorotetrafluoroethane	ND		1.4		ug/m3			03/21/21 19:59	1
1,3,5-Trimethylbenzene	ND		0.98		ug/m3			03/21/21 19:59	1
1,3-Dichlorobenzene	ND		1.2		ug/m3			03/21/21 19:59	1
1,4-Dichlorobenzene	ND		1.2		ug/m3			03/21/21 19:59	1
1,4-Dioxane	ND		1.8		ug/m3			03/21/21 19:59	1
2,2,4-Trimethylpentane	ND		2.3		ug/m3			03/21/21 19:59	1
2-Butanone	ND		2.4		ug/m3			03/21/21 19:59	1
4-Methyl-2-pentanone (MIBK)	ND		2.0		ug/m3			03/21/21 19:59	1
Benzene	0.84		0.64		ug/m3			03/21/21 19:59	1
Benzyl chloride	ND		2.1		ug/m3			03/21/21 19:59	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22332-1

Client Sample ID: 224121-OA-103

Lab Sample ID: 140-22332-10

Date Collected: 03/15/21 16:10

Matrix: Air

Date Received: 03/17/21 10:40

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		1.3		ug/m3			03/21/21 19:59	1
Bromoform	ND		2.1		ug/m3			03/21/21 19:59	1
Bromomethane	ND		0.78		ug/m3			03/21/21 19:59	1
Carbon tetrachloride	0.51		0.50		ug/m3			03/21/21 19:59	1
Chlorobenzene	ND		0.92		ug/m3			03/21/21 19:59	1
Chloroethane	ND		0.53		ug/m3			03/21/21 19:59	1
Chloroform	ND		0.98		ug/m3			03/21/21 19:59	1
Chloromethane	1.7		1.0		ug/m3			03/21/21 19:59	1
cis-1,2-Dichloroethene	ND		0.40		ug/m3			03/21/21 19:59	1
cis-1,3-Dichloropropene	ND		0.91		ug/m3			03/21/21 19:59	1
Cyclohexane	ND		1.7		ug/m3			03/21/21 19:59	1
Dibromochloromethane	ND		1.7		ug/m3			03/21/21 19:59	1
Dichlorodifluoromethane	1.4		0.99		ug/m3			03/21/21 19:59	1
Ethanol	16		9.4		ug/m3			03/21/21 19:59	1
Ethylbenzene	ND		0.87		ug/m3			03/21/21 19:59	1
Hexachlorobutadiene	ND		2.1		ug/m3			03/21/21 19:59	1
Hexane	ND		1.8		ug/m3			03/21/21 19:59	1
Methyl tert-butyl ether	ND		1.4		ug/m3			03/21/21 19:59	1
Methylene Chloride	ND		3.5		ug/m3			03/21/21 19:59	1
m-Xylene & p-Xylene	ND		0.87		ug/m3			03/21/21 19:59	1
Naphthalene	ND		2.6		ug/m3			03/21/21 19:59	1
o-Xylene	ND		0.87		ug/m3			03/21/21 19:59	1
Styrene	ND		0.85		ug/m3			03/21/21 19:59	1
t-Butyl alcohol	ND		2.4		ug/m3			03/21/21 19:59	1
Tetrachloroethene	ND		1.4		ug/m3			03/21/21 19:59	1
Toluene	1.9		1.1		ug/m3			03/21/21 19:59	1
trans-1,2-Dichloroethene	ND		0.79		ug/m3			03/21/21 19:59	1
trans-1,3-Dichloropropene	ND		0.91		ug/m3			03/21/21 19:59	1
Trichloroethene	ND		0.48		ug/m3			03/21/21 19:59	1
Trichlorofluoromethane	2.0	J	1.1		ug/m3			03/21/21 19:59	1
Vinyl chloride	ND	*+ UJ	0.26		ug/m3			03/21/21 19:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		60 - 140		03/21/21 19:59	1

Client Sample ID: 224121-IAA-104

Lab Sample ID: 140-22332-11

Date Collected: 03/16/21 07:35

Matrix: Air

Date Received: 03/17/21 10:40

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.16		ppb v/v			03/21/21 20:49	1
1,1,2,2-Tetrachloroethane	ND		0.16		ppb v/v			03/21/21 20:49	1
1,1,2-Trichloroethane	ND		0.16		ppb v/v			03/21/21 20:49	1
1,1,2-Trichlorotrifluoroethane	ND		0.16		ppb v/v			03/21/21 20:49	1
1,1-Dichloroethane	ND		0.16		ppb v/v			03/21/21 20:49	1
1,1-Dichloroethene	ND		0.080		ppb v/v			03/21/21 20:49	1
1,2,4-Trichlorobenzene	ND		0.16		ppb v/v			03/21/21 20:49	1

Eurofins TestAmerica, Knoxville

ALH 4/8/21

Client Sample Results

Client: New York State D.E.C.
 Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22332-1

Client Sample ID: 224121-IAA-104

Lab Sample ID: 140-22332-11

Date Collected: 03/16/21 07:35

Matrix: Air

Date Received: 03/17/21 10:40

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	0.18		0.16		ppb v/v			03/21/21 20:49	1
1,2-Dibromoethane	ND		0.16		ppb v/v			03/21/21 20:49	1
1,2-Dichlorobenzene	ND		0.16		ppb v/v			03/21/21 20:49	1
1,2-Dichloroethane	ND		0.16		ppb v/v			03/21/21 20:49	1
1,2-Dichloropropane	ND		0.16		ppb v/v			03/21/21 20:49	1
1,2-Dichlorotetrafluoroethane	ND		0.16		ppb v/v			03/21/21 20:49	1
1,3,5-Trimethylbenzene	ND		0.16		ppb v/v			03/21/21 20:49	1
1,3-Dichlorobenzene	ND		0.16		ppb v/v			03/21/21 20:49	1
1,4-Dichlorobenzene	ND		0.16		ppb v/v			03/21/21 20:49	1
1,4-Dioxane	ND		0.40		ppb v/v			03/21/21 20:49	1
2,2,4-Trimethylpentane	ND		0.40		ppb v/v			03/21/21 20:49	1
2-Butanone	ND		0.64		ppb v/v			03/21/21 20:49	1
4-Methyl-2-pentanone (MIBK)	ND		0.40		ppb v/v			03/21/21 20:49	1
Benzene	0.37		0.16		ppb v/v			03/21/21 20:49	1
Benzyl chloride	ND		0.32		ppb v/v			03/21/21 20:49	1
Bromodichloromethane	ND		0.16		ppb v/v			03/21/21 20:49	1
Bromoform	ND		0.16		ppb v/v			03/21/21 20:49	1
Bromomethane	ND		0.16		ppb v/v			03/21/21 20:49	1
Carbon tetrachloride	0.076		0.064		ppb v/v			03/21/21 20:49	1
Chlorobenzene	ND		0.16		ppb v/v			03/21/21 20:49	1
Chloroethane	ND		0.16		ppb v/v			03/21/21 20:49	1
Chloroform	ND		0.16		ppb v/v			03/21/21 20:49	1
Chloromethane	1.0		0.40		ppb v/v			03/21/21 20:49	1
cis-1,2-Dichloroethene	ND		0.080		ppb v/v			03/21/21 20:49	1
cis-1,3-Dichloropropene	ND		0.16		ppb v/v			03/21/21 20:49	1
Cyclohexane	ND		0.40		ppb v/v			03/21/21 20:49	1
Dibromochloromethane	ND		0.16		ppb v/v			03/21/21 20:49	1
Dichlorodifluoromethane	0.24		0.16		ppb v/v			03/21/21 20:49	1
Ethanol	96		4.0		ppb v/v			03/21/21 20:49	1
Ethylbenzene	0.77		0.16		ppb v/v			03/21/21 20:49	1
Hexachlorobutadiene	ND		0.16		ppb v/v			03/21/21 20:49	1
Hexane	0.47		0.40		ppb v/v			03/21/21 20:49	1
Methyl tert-butyl ether	ND		0.32		ppb v/v			03/21/21 20:49	1
Methylene Chloride	6.2 B		0.80		ppb v/v			03/21/21 20:49	1
m-Xylene & p-Xylene	1.7		0.16		ppb v/v			03/21/21 20:49	1
Naphthalene	ND		0.40		ppb v/v			03/21/21 20:49	1
o-Xylene	0.53		0.16		ppb v/v			03/21/21 20:49	1
Styrene	0.98		0.16		ppb v/v			03/21/21 20:49	1
t-Butyl alcohol	ND		0.64		ppb v/v			03/21/21 20:49	1
Tetrachloroethene	0.84		0.16		ppb v/v			03/21/21 20:49	1
Toluene	0.89		0.24		ppb v/v			03/21/21 20:49	1
trans-1,2-Dichloroethene	ND		0.16		ppb v/v			03/21/21 20:49	1
trans-1,3-Dichloropropene	ND		0.16		ppb v/v			03/21/21 20:49	1
Trichloroethene	ND		0.072		ppb v/v			03/21/21 20:49	1
Trichlorofluoromethane	0.35		0.16		ppb v/v			03/21/21 20:49	1
Vinyl chloride	ND	*+	0.080		ppb v/v			03/21/21 20:49	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.87		ug/m3			03/21/21 20:49	1

Client Sample Results

Client: New York State D.E.C.
 Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22332-1

Client Sample ID: 224121-IAA-104

Lab Sample ID: 140-22332-11

Date Collected: 03/16/21 07:35

Matrix: Air

Date Received: 03/17/21 10:40

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		1.1		ug/m3			03/21/21 20:49	1
1,1,2-Trichloroethane	ND		0.87		ug/m3			03/21/21 20:49	1
1,1,2-Trichlorotrifluoroethane	ND		1.2		ug/m3			03/21/21 20:49	1
1,1-Dichloroethane	ND		0.65		ug/m3			03/21/21 20:49	1
1,1-Dichloroethene	ND		0.32		ug/m3			03/21/21 20:49	1
1,2,4-Trichlorobenzene	ND		1.2		ug/m3			03/21/21 20:49	1
1,2,4-Trimethylbenzene	0.88		0.79		ug/m3			03/21/21 20:49	1
1,2-Dibromoethane	ND		1.2		ug/m3			03/21/21 20:49	1
1,2-Dichlorobenzene	ND		0.96		ug/m3			03/21/21 20:49	1
1,2-Dichloroethane	ND		0.65		ug/m3			03/21/21 20:49	1
1,2-Dichloropropane	ND		0.74		ug/m3			03/21/21 20:49	1
1,2-Dichlorotetrafluoroethane	ND		1.1		ug/m3			03/21/21 20:49	1
1,3,5-Trimethylbenzene	ND		0.79		ug/m3			03/21/21 20:49	1
1,3-Dichlorobenzene	ND		0.96		ug/m3			03/21/21 20:49	1
1,4-Dichlorobenzene	ND		0.96		ug/m3			03/21/21 20:49	1
1,4-Dioxane	ND		1.4		ug/m3			03/21/21 20:49	1
2,2,4-Trimethylpentane	ND		1.9		ug/m3			03/21/21 20:49	1
2-Butanone	ND		1.9		ug/m3			03/21/21 20:49	1
4-Methyl-2-pentanone (MIBK)	ND		1.6		ug/m3			03/21/21 20:49	1
Benzene	1.2		0.51		ug/m3			03/21/21 20:49	1
Benzyl chloride	ND		1.7		ug/m3			03/21/21 20:49	1
Bromodichloromethane	ND		1.1		ug/m3			03/21/21 20:49	1
Bromoform	ND		1.7		ug/m3			03/21/21 20:49	1
Bromomethane	ND		0.62		ug/m3			03/21/21 20:49	1
Carbon tetrachloride	0.48		0.40		ug/m3			03/21/21 20:49	1
Chlorobenzene	ND		0.74		ug/m3			03/21/21 20:49	1
Chloroethane	ND		0.42		ug/m3			03/21/21 20:49	1
Chloroform	ND		0.78		ug/m3			03/21/21 20:49	1
Chloromethane	2.1		0.83		ug/m3			03/21/21 20:49	1
cis-1,2-Dichloroethene	ND		0.32		ug/m3			03/21/21 20:49	1
cis-1,3-Dichloropropene	ND		0.73		ug/m3			03/21/21 20:49	1
Cyclohexane	ND		1.4		ug/m3			03/21/21 20:49	1
Dibromochloromethane	ND		1.4		ug/m3			03/21/21 20:49	1
Dichlorodifluoromethane	1.2		0.79		ug/m3			03/21/21 20:49	1
Ethanol	180		7.5		ug/m3			03/21/21 20:49	1
Ethylbenzene	3.3		0.69		ug/m3			03/21/21 20:49	1
Hexachlorobutadiene	ND		1.7		ug/m3			03/21/21 20:49	1
Hexane	1.7		1.4		ug/m3			03/21/21 20:49	1
Methyl tert-butyl ether	ND		1.2		ug/m3			03/21/21 20:49	1
Methylene Chloride	22 B		2.8		ug/m3			03/21/21 20:49	1
m-Xylene & p-Xylene	7.2		0.69		ug/m3			03/21/21 20:49	1
Naphthalene	ND		2.1		ug/m3			03/21/21 20:49	1
o-Xylene	2.3		0.69		ug/m3			03/21/21 20:49	1
Styrene	4.2		0.68		ug/m3			03/21/21 20:49	1
t-Butyl alcohol	ND		1.9		ug/m3			03/21/21 20:49	1
Tetrachloroethene	5.7		1.1		ug/m3			03/21/21 20:49	1
Toluene	3.4		0.90		ug/m3			03/21/21 20:49	1
trans-1,2-Dichloroethene	ND		0.63		ug/m3			03/21/21 20:49	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22332-1

Client Sample ID: 224121-IAA-104

Lab Sample ID: 140-22332-11

Date Collected: 03/16/21 07:35

Matrix: Air

Date Received: 03/17/21 10:40

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	ND		0.73		ug/m3			03/21/21 20:49	1
Trichloroethene	ND		0.39		ug/m3			03/21/21 20:49	1
Trichlorofluoromethane	2.0	J	0.90		ug/m3			03/21/21 20:49	1
Vinyl chloride	ND	*+ UJ	0.20		ug/m3			03/21/21 20:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		60 - 140					03/21/21 20:49	1

Client Sample ID: 224121-IAB-104

Lab Sample ID: 140-22332-12

Date Collected: 03/16/21 07:37

Matrix: Air

Date Received: 03/17/21 10:40

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.080		ppb v/v			03/20/21 01:39	1
1,1,2,2-Tetrachloroethane	ND		0.080		ppb v/v			03/20/21 01:39	1
1,1,2-Trichloroethane	ND		0.080		ppb v/v			03/20/21 01:39	1
1,1,2-Trichlorotrifluoroethane	0.082		0.080		ppb v/v			03/20/21 01:39	1
1,1-Dichloroethane	ND		0.080		ppb v/v			03/20/21 01:39	1
1,1-Dichloroethene	ND		0.040		ppb v/v			03/20/21 01:39	1
1,2,4-Trichlorobenzene	ND		0.080		ppb v/v			03/20/21 01:39	1
1,2,4-Trimethylbenzene	0.13		0.080		ppb v/v			03/20/21 01:39	1
1,2-Dibromoethane	ND		0.080		ppb v/v			03/20/21 01:39	1
1,2-Dichlorobenzene	ND		0.080		ppb v/v			03/20/21 01:39	1
1,2-Dichloroethane	ND		0.080		ppb v/v			03/20/21 01:39	1
1,2-Dichloropropane	ND		0.080		ppb v/v			03/20/21 01:39	1
1,2-Dichlorotetrafluoroethane	ND		0.080		ppb v/v			03/20/21 01:39	1
1,3,5-Trimethylbenzene	ND		0.080		ppb v/v			03/20/21 01:39	1
1,3-Dichlorobenzene	ND		0.080		ppb v/v			03/20/21 01:39	1
1,4-Dichlorobenzene	ND		0.080		ppb v/v			03/20/21 01:39	1
1,4-Dioxane	ND		0.20		ppb v/v			03/20/21 01:39	1
2,2,4-Trimethylpentane	ND		0.20		ppb v/v			03/20/21 01:39	1
2-Butanone	0.46		0.32		ppb v/v			03/20/21 01:39	1
4-Methyl-2-pentanone (MIBK)	ND		0.20		ppb v/v			03/20/21 01:39	1
Benzene	0.30		0.080		ppb v/v			03/20/21 01:39	1
Benzyl chloride	ND		0.16		ppb v/v			03/20/21 01:39	1
Bromodichloromethane	ND		0.080		ppb v/v			03/20/21 01:39	1
Bromoform	ND		0.080		ppb v/v			03/20/21 01:39	1
Bromomethane	ND		0.080		ppb v/v			03/20/21 01:39	1
Carbon tetrachloride	0.088		0.032		ppb v/v			03/20/21 01:39	1
Chlorobenzene	ND		0.080		ppb v/v			03/20/21 01:39	1
Chloroethane	ND		0.080		ppb v/v			03/20/21 01:39	1
Chloroform	0.086		0.080		ppb v/v			03/20/21 01:39	1
Chloromethane	0.58		0.20		ppb v/v			03/20/21 01:39	1
cis-1,2-Dichloroethene	ND		0.040		ppb v/v			03/20/21 01:39	1
cis-1,3-Dichloropropene	ND		0.080		ppb v/v			03/20/21 01:39	1
Cyclohexane	ND		0.20		ppb v/v			03/20/21 01:39	1
Dibromochloromethane	ND		0.080		ppb v/v			03/20/21 01:39	1

Client Sample Results

Client: New York State D.E.C.
 Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22332-1

Client Sample ID: 224121-IAB-104

Lab Sample ID: 140-22332-12

Date Collected: 03/16/21 07:37

Matrix: Air

Date Received: 03/17/21 10:40

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	0.17		0.080		ppb v/v			03/20/21 01:39	1
Ethanol	28		2.0		ppb v/v			03/20/21 01:39	1
Ethylbenzene	0.30		0.080		ppb v/v			03/20/21 01:39	1
Hexachlorobutadiene	ND		0.080		ppb v/v			03/20/21 01:39	1
Hexane	ND		0.20		ppb v/v			03/20/21 01:39	1
Methyl tert-butyl ether	ND		0.16		ppb v/v			03/20/21 01:39	1
Methylene Chloride	2.6		0.40		ppb v/v			03/20/21 01:39	1
m-Xylene & p-Xylene	0.76		0.080		ppb v/v			03/20/21 01:39	1
Naphthalene	ND		0.20		ppb v/v			03/20/21 01:39	1
o-Xylene	0.27		0.080		ppb v/v			03/20/21 01:39	1
Styrene	0.28		0.080		ppb v/v			03/20/21 01:39	1
t-Butyl alcohol	ND		0.32		ppb v/v			03/20/21 01:39	1
Tetrachloroethene	1.4		0.080		ppb v/v			03/20/21 01:39	1
Toluene	0.92		0.12		ppb v/v			03/20/21 01:39	1
trans-1,2-Dichloroethene	ND		0.080		ppb v/v			03/20/21 01:39	1
trans-1,3-Dichloropropene	ND		0.080		ppb v/v			03/20/21 01:39	1
Trichloroethene	0.060		0.036		ppb v/v			03/20/21 01:39	1
Trichlorofluoromethane	0.23		0.080		ppb v/v			03/20/21 01:39	1
Vinyl chloride	ND		0.040		ppb v/v			03/20/21 01:39	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.44		ug/m3			03/20/21 01:39	1
1,1,2,2-Tetrachloroethane	ND		0.55		ug/m3			03/20/21 01:39	1
1,1,2-Trichloroethane	ND		0.44		ug/m3			03/20/21 01:39	1
1,1,2-Trichlorotrifluoroethane	0.63		0.61		ug/m3			03/20/21 01:39	1
1,1-Dichloroethane	ND		0.32		ug/m3			03/20/21 01:39	1
1,1-Dichloroethene	ND		0.16		ug/m3			03/20/21 01:39	1
1,2,4-Trichlorobenzene	ND		0.59		ug/m3			03/20/21 01:39	1
1,2,4-Trimethylbenzene	0.65		0.39		ug/m3			03/20/21 01:39	1
1,2-Dibromoethane	ND		0.61		ug/m3			03/20/21 01:39	1
1,2-Dichlorobenzene	ND		0.48		ug/m3			03/20/21 01:39	1
1,2-Dichloroethane	ND		0.32		ug/m3			03/20/21 01:39	1
1,2-Dichloropropane	ND		0.37		ug/m3			03/20/21 01:39	1
1,2-Dichlorotetrafluoroethane	ND		0.56		ug/m3			03/20/21 01:39	1
1,3,5-Trimethylbenzene	ND		0.39		ug/m3			03/20/21 01:39	1
1,3-Dichlorobenzene	ND		0.48		ug/m3			03/20/21 01:39	1
1,4-Dichlorobenzene	ND		0.48		ug/m3			03/20/21 01:39	1
1,4-Dioxane	ND		0.72		ug/m3			03/20/21 01:39	1
2,2,4-Trimethylpentane	ND		0.93		ug/m3			03/20/21 01:39	1
2-Butanone	1.4		0.94		ug/m3			03/20/21 01:39	1
4-Methyl-2-pentanone (MIBK)	ND		0.82		ug/m3			03/20/21 01:39	1
Benzene	0.94		0.26		ug/m3			03/20/21 01:39	1
Benzyl chloride	ND		0.83		ug/m3			03/20/21 01:39	1
Bromodichloromethane	ND		0.54		ug/m3			03/20/21 01:39	1
Bromoform	ND		0.83		ug/m3			03/20/21 01:39	1
Bromomethane	ND		0.31		ug/m3			03/20/21 01:39	1
Carbon tetrachloride	0.56		0.20		ug/m3			03/20/21 01:39	1
Chlorobenzene	ND		0.37		ug/m3			03/20/21 01:39	1
Chloroethane	ND		0.21		ug/m3			03/20/21 01:39	1

Client Sample Results

Client: New York State D.E.C.
 Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22332-1

Client Sample ID: 224121-IAB-104

Lab Sample ID: 140-22332-12

Date Collected: 03/16/21 07:37

Matrix: Air

Date Received: 03/17/21 10:40

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	0.42		0.39		ug/m3			03/20/21 01:39	1
Chloromethane	1.2		0.41		ug/m3			03/20/21 01:39	1
cis-1,2-Dichloroethene	ND		0.16		ug/m3			03/20/21 01:39	1
cis-1,3-Dichloropropene	ND		0.36		ug/m3			03/20/21 01:39	1
Cyclohexane	ND		0.69		ug/m3			03/20/21 01:39	1
Dibromochloromethane	ND		0.68		ug/m3			03/20/21 01:39	1
Dichlorodifluoromethane	0.84		0.40		ug/m3			03/20/21 01:39	1
Ethanol	53	J	3.8		ug/m3			03/20/21 01:39	1
Ethylbenzene	1.3		0.35		ug/m3			03/20/21 01:39	1
Hexachlorobutadiene	ND		0.85		ug/m3			03/20/21 01:39	1
Hexane	ND		0.70		ug/m3			03/20/21 01:39	1
Methyl tert-butyl ether	ND		0.58		ug/m3			03/20/21 01:39	1
Methylene Chloride	9.0		1.4		ug/m3			03/20/21 01:39	1
m-Xylene & p-Xylene	3.3		0.35		ug/m3			03/20/21 01:39	1
Naphthalene	ND		1.0		ug/m3			03/20/21 01:39	1
o-Xylene	1.2		0.35		ug/m3			03/20/21 01:39	1
Styrene	1.2		0.34		ug/m3			03/20/21 01:39	1
t-Butyl alcohol	ND		0.97		ug/m3			03/20/21 01:39	1
Tetrachloroethene	9.7		0.54		ug/m3			03/20/21 01:39	1
Toluene	3.5		0.45		ug/m3			03/20/21 01:39	1
trans-1,2-Dichloroethene	ND		0.32		ug/m3			03/20/21 01:39	1
trans-1,3-Dichloropropene	ND		0.36		ug/m3			03/20/21 01:39	1
Trichloroethene	0.32		0.19		ug/m3			03/20/21 01:39	1
Trichlorofluoromethane	1.3		0.45		ug/m3			03/20/21 01:39	1
Vinyl chloride	ND		0.10		ug/m3			03/20/21 01:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		60 - 140					03/20/21 01:39	1

VALIDATA

Chemical Services, Inc.

2159 Wynnton Pointe, Duluth, GA 30097

(770) 232-0130

(770) 232-5082 (Fax)

www.datavalidator.com

DATA USABILITY SUMMARY REPORT

COMPANY: AECOM Technical Services Northeast, Inc.
PROJECT NAME: Meeker Ave. Plume Trackdown #224121
CONTRACTED LAB: Eurofins Test America, Knoxville
QA/QC LEVEL: DUSR
ANALYTICAL METHOD(S): EPA Method TO-15
VALIDATION GUIDELINES: USEPA Region II data validation SOP (VOA-TO15 HW-31 Rev.6, Analysis of VOCs in Air contained in Canisters by Method TO-15, September 2016), Professional Judgment
SAMPLE MATRIX: Air
TYPES OF ANALYSES: Volatile Organic Compounds (VOC)
DATA REVIEWER(S): Amy L. Hogan
SDG NUMBER: 140-22339-1
SAMPLING DATE(S): March 16-17, 2021

SAMPLES:

<u>Client Sample ID</u>	<u>Laboratory ID</u>	<u>VOC</u>
224121-OA-104	140-22339-1	X
224121-SS-105	140-22339-2	X
224121-IA-105	140-22339-3	X
224121-OA-105	140-22339-4	X
224121-SS-94	140-22339-5	X
224121-IAA-94	140-22339-6	X
224121-IAA-94DL	140-22339-6DL	X
224121-IAB-94	140-22339-7	X
224121-SS-106	140-22339-8	X
FD-031712-1	140-22339-9	X
224121-BA-106	140-22339-10	X
224121-BA-106DL	140-22339-10DL	X
FD-031712-2	140-22339-11	X
FD-031712-2DL	140-22339-11DL	X
224121-FF-106	140-22339-12	X
224121-FF-106DL	140-22339-12DL	X
224121-OA-106	140-22339-13	X
224121-SSA-107	140-22339-14	X
224121-IAA-107	140-22339-15	X
224121-SSB-107	140-22339-16	X

Suffix Codes: DL= DILUTION, MS = MATRIX SPIKE,
MSD = MATRIX SPIKE DUPLICATE, RE = REANALYSIS

Qualifier	Definition
U	The analyte was not detected and was reported as less than the LOD or as defined by the customer. The LOD has been adjusted for any dilution or concentration of the sample.
J	The reported result was an estimated value with an unknown bias.
J+	The result was an estimated quantity, but the result may be biased high.
J-	The result was an estimated quantity, but the result may be biased low.
N	The analysis indicates the presence of an analyte for which there was presumptive evidence to make a "tentative identification."
NJ	The analyte has been "tentatively identified" or "presumptively" as present and the associated numerical value was the estimated concentration in the sample.
UJ	The analyte was not detected and was reported as less than the LOD or as defined by the customer. However, the associated numerical value is approximate.
X	The sample results (including non-detects) were affected by serious deficiencies in the ability to analyze the sample and to meet published method and project quality control criteria. The presence or absence of the analyte cannot be substantiated by the data provided. Acceptance or rejection of the data should be decided by the project team (which should include a project chemist), but exclusion of the data is recommended.

DATA USABILITY SUMMARY

Eurofins Test America, Knoxville – 140-22339-1

VOLATILE ORGANICS

SUMMARY

I.) General:

The analyses for Volatile Organics were performed per EPA Method TO-15.

Appendix A contains the qualified sample summary reports.

II.) Overall Assessment of Data:

All laboratory data were acceptable with qualifications.

It was noted on the Chain of Custody that the samples were received without a custody seal.

III.) Holding Times:

All Holding Time criteria were met. No data qualification was necessary.

IV.) GC/MS Tuning:

All GC/MS Tuning criteria were met. No data qualification was necessary.

V.) Calibration:

Initial Calibration:

All Initial Calibration criteria were met. No data qualification was necessary.

Initial Calibration Verification:

All Initial Calibration Verification criteria were met. No data qualification was necessary.

Continuing Calibration:

The Percent Differences (%Ds) for the standards run on 3/22/21 at 08:53 on instrument MR exceeded the 30% QC limit for the following compounds:

1,2,4-trichlorobenzene	-30.4%
------------------------	--------

naphthalene	-30.5%
hexachlorobutadiene	-36.4%

The results for these compounds in associated samples 224121-IA-105 and 224121-IAA-107, which were all non-detects, were qualified as estimated (UJ).

The Percent Differences (%Ds) for the standards run on 3/21/21 at 09:10 on instrument MS exceeded the 30% QC limit for the following compounds:

ethanol	-33.4%
bromoform	31.7%
benzyl chloride	34.1%
1,2,4-trichlorobenzene	31.6%
hexachlorobutadiene	31.4%

All positive and non-detect results for these compounds in all SDG samples except 224121-IA-105 and 224121-IAA-107 were qualified as estimated (J) and (UJ).

VI.) Blanks:

Method Blanks:

There were no detections in the method blanks for this SDG. No data qualification was necessary.

Canister Blanks:

Methylene chloride (0.42 ppb/v) was reported for canister blank 140-22076-1. Since the blank result was greater than the RL and the positive methylene chloride result for the associated sample was greater than both the RL and the blank concentration, no data qualification was necessary.

VII.) Surrogate Recoveries:

All Surrogate Recovery criteria were met. No data qualification was necessary.

VIII.) Laboratory Control Samples (LCS):

Three LCS were analyzed by the laboratory for this SDG. The Percent Recovery (%R) for ethanol was 64% for LCS 140-47933, which was below the 70-130% QC limits. The positive ethanol results for associated samples 224121-IA-105 and 224121-IAA-107 were qualified as estimated (J).

The Percent Recoveries (%Rs) for LCS 140-47904 were outside the 70-130% QC limits for the following compounds:

1,2,4-trichlorobenzene	132%
benzyl chloride	134%

ethanol	67%
hexachlorobutadiene	131%

The positive and non-detect ethanol results for all SDG samples except 224121-IA-105 and 224121-IAA-107 were qualified as estimated (J) and (UJ). Since the results for the other listed compounds were all non-detect in the associated samples, no further data qualification was necessary.

IX.) Field Duplicates:

Two sets of field duplicate samples (224121-SS-106 / FD-031712-1 and 224121-BA-106 / FD-031712-2) were identified as part of this SDG. The only calculable Relative Percent Difference (RPD) for the first set was 1.8% for trichloroethene, which was within the 50% QC limit. No data qualification was necessary.

The calculable RPDs for the second set were:

1,2,4-trimethylbenzene	1.1%
1,3,5-trimethylbenzene	6.1%
2,2,4-trimethylpentane	2.5%
2-butanone	9.8%
4-methyl-2-pentanone	8.7%
benzene	1.4%
carbon tetrachloride	2.1%
chloromethane	30%
cyclohexane	12%
dichlorofluoromethane	8.0%
ethanol	2.8%
hexane	19%
methylene chloride	30%
m,p-xylene	0%
o-xylene	2.9%
styrene	6.1%
t-butyl alcohol	10%
tetrachloroethene	0%
toluene	5.7%
trichloroethene	0%
trichlorofluoromethane	20%

All RPD were within the 50% QC limit. No data qualification was necessary.

XI.) TCL Compound Identification:

All TCL Compound Identification criteria were met. No data qualification was necessary.

XII.) Internal Standards Performance (ISTD):

All ISTD criteria were met. No data qualification was necessary.

XIII.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL):

The initial analysis ethanol result for sample 224121-IAA-94 and the initial analysis toluene results for samples 224121-BA-106, FD-031712-1 and 224121-FF-106 exceeded the linear calibration range. A dilution analysis was performed for each sample with all calibration criteria met. Based on the linear calibration range, the validator has determined that the dilution analysis results for ethanol for the samples were of preferable data quality to the initial analysis results. The over range results in the initial analyses for the listed samples, which were denoted by an "E" were lined through and replaced with the dilution analysis results.

All other CRQL criteria were met.

Appendix A
Qualified Form Is

Client Sample Results

Client: New York State D.E.C.
 Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22339-1

Client Sample ID: 224121--OA-104

Lab Sample ID: 140-22339-1

Date Collected: 03/16/21 07:39

Matrix: Air

Date Received: 03/18/21 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.080		ppb v/v			03/21/21 13:19	1
1,1,2,2-Tetrachloroethane	ND		0.080		ppb v/v			03/21/21 13:19	1
1,1,2-Trichloroethane	ND		0.080		ppb v/v			03/21/21 13:19	1
1,1,2-Trichlorotrifluoroethane	ND		0.080		ppb v/v			03/21/21 13:19	1
1,1-Dichloroethane	ND		0.080		ppb v/v			03/21/21 13:19	1
1,1-Dichloroethene	ND		0.040		ppb v/v			03/21/21 13:19	1
1,2,4-Trichlorobenzene	ND		0.080		ppb v/v			03/21/21 13:19	1
1,2,4-Trimethylbenzene	ND		0.080		ppb v/v			03/21/21 13:19	1
1,2-Dibromoethane	ND		0.080		ppb v/v			03/21/21 13:19	1
1,2-Dichlorobenzene	ND		0.080		ppb v/v			03/21/21 13:19	1
1,2-Dichloroethane	ND		0.080		ppb v/v			03/21/21 13:19	1
1,2-Dichloropropane	ND		0.080		ppb v/v			03/21/21 13:19	1
1,2-Dichlorotetrafluoroethane	ND		0.080		ppb v/v			03/21/21 13:19	1
1,3,5-Trimethylbenzene	ND		0.080		ppb v/v			03/21/21 13:19	1
1,3-Dichlorobenzene	ND		0.080		ppb v/v			03/21/21 13:19	1
1,4-Dichlorobenzene	ND		0.080		ppb v/v			03/21/21 13:19	1
1,4-Dioxane	ND		0.20		ppb v/v			03/21/21 13:19	1
2,2,4-Trimethylpentane	ND		0.20		ppb v/v			03/21/21 13:19	1
2-Butanone	ND		0.32		ppb v/v			03/21/21 13:19	1
4-Methyl-2-pentanone (MIBK)	ND		0.20		ppb v/v			03/21/21 13:19	1
Benzene	0.19		0.080		ppb v/v			03/21/21 13:19	1
Benzyl chloride	ND	*+	0.16		ppb v/v			03/21/21 13:19	1
Bromodichloromethane	ND		0.080		ppb v/v			03/21/21 13:19	1
Bromoform	ND		0.080		ppb v/v			03/21/21 13:19	1
Bromomethane	ND		0.080		ppb v/v			03/21/21 13:19	1
Carbon tetrachloride	0.042		0.032		ppb v/v			03/21/21 13:19	1
Chlorobenzene	ND		0.080		ppb v/v			03/21/21 13:19	1
Chloroethane	ND		0.080		ppb v/v			03/21/21 13:19	1
Chloroform	ND		0.080		ppb v/v			03/21/21 13:19	1
Chloromethane	0.51		0.20		ppb v/v			03/21/21 13:19	1
cis-1,2-Dichloroethene	ND		0.040		ppb v/v			03/21/21 13:19	1
cis-1,3-Dichloropropene	ND		0.080		ppb v/v			03/21/21 13:19	1
Cyclohexane	ND		0.20		ppb v/v			03/21/21 13:19	1
Dibromochloromethane	ND		0.080		ppb v/v			03/21/21 13:19	1
Dichlorodifluoromethane	0.26		0.080		ppb v/v			03/21/21 13:19	1
Ethanol	3.4		2.0		ppb v/v			03/21/21 13:19	1
Ethylbenzene	ND		0.080		ppb v/v			03/21/21 13:19	1
Hexachlorobutadiene	ND		0.080		ppb v/v			03/21/21 13:19	1
Hexane	ND		0.20		ppb v/v			03/21/21 13:19	1
Methyl tert-butyl ether	ND		0.16		ppb v/v			03/21/21 13:19	1
Methylene Chloride	1.1	B	0.40		ppb v/v			03/21/21 13:19	1
m-Xylene & p-Xylene	0.21		0.080		ppb v/v			03/21/21 13:19	1
Naphthalene	ND		0.20		ppb v/v			03/21/21 13:19	1
o-Xylene	ND		0.080		ppb v/v			03/21/21 13:19	1
Styrene	ND		0.080		ppb v/v			03/21/21 13:19	1
t-Butyl alcohol	ND		0.32		ppb v/v			03/21/21 13:19	1
Tetrachloroethene	0.27		0.080		ppb v/v			03/21/21 13:19	1
Toluene	0.30		0.12		ppb v/v			03/21/21 13:19	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22339-1

Client Sample ID: 224121--OA-104

Lab Sample ID: 140-22339-1

Date Collected: 03/16/21 07:39

Matrix: Air

Date Received: 03/18/21 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		0.080		ppb v/v			03/21/21 13:19	1
trans-1,3-Dichloropropene	ND		0.080		ppb v/v			03/21/21 13:19	1
Trichloroethene	ND		0.036		ppb v/v			03/21/21 13:19	1
Trichlorofluoromethane	0.24		0.080		ppb v/v			03/21/21 13:19	1
Vinyl chloride	ND		0.040		ppb v/v			03/21/21 13:19	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.44		ug/m3			03/21/21 13:19	1
1,1,2,2-Tetrachloroethane	ND		0.55		ug/m3			03/21/21 13:19	1
1,1,2-Trichloroethane	ND		0.44		ug/m3			03/21/21 13:19	1
1,1,2-Trichlorotrifluoroethane	ND		0.61		ug/m3			03/21/21 13:19	1
1,1-Dichloroethane	ND		0.32		ug/m3			03/21/21 13:19	1
1,1-Dichloroethene	ND		0.16		ug/m3			03/21/21 13:19	1
1,2,4-Trichlorobenzene	ND	UJ	0.59		ug/m3			03/21/21 13:19	1
1,2,4-Trimethylbenzene	ND		0.39		ug/m3			03/21/21 13:19	1
1,2-Dibromoethane	ND		0.61		ug/m3			03/21/21 13:19	1
1,2-Dichlorobenzene	ND		0.48		ug/m3			03/21/21 13:19	1
1,2-Dichloroethane	ND		0.32		ug/m3			03/21/21 13:19	1
1,2-Dichloropropane	ND		0.37		ug/m3			03/21/21 13:19	1
1,2-Dichlorotetrafluoroethane	ND		0.56		ug/m3			03/21/21 13:19	1
1,3,5-Trimethylbenzene	ND		0.39		ug/m3			03/21/21 13:19	1
1,3-Dichlorobenzene	ND		0.48		ug/m3			03/21/21 13:19	1
1,4-Dichlorobenzene	ND		0.48		ug/m3			03/21/21 13:19	1
1,4-Dioxane	ND		0.72		ug/m3			03/21/21 13:19	1
2,2,4-Trimethylpentane	ND		0.93		ug/m3			03/21/21 13:19	1
2-Butanone	ND		0.94		ug/m3			03/21/21 13:19	1
4-Methyl-2-pentanone (MIBK)	ND		0.82		ug/m3			03/21/21 13:19	1
Benzene	0.61		0.26		ug/m3			03/21/21 13:19	1
Benzyl chloride	ND	*+UJ	0.83		ug/m3			03/21/21 13:19	1
Bromodichloromethane	ND		0.54		ug/m3			03/21/21 13:19	1
Bromoform	ND	UJ	0.83		ug/m3			03/21/21 13:19	1
Bromomethane	ND		0.31		ug/m3			03/21/21 13:19	1
Carbon tetrachloride	0.26		0.20		ug/m3			03/21/21 13:19	1
Chlorobenzene	ND		0.37		ug/m3			03/21/21 13:19	1
Chloroethane	ND		0.21		ug/m3			03/21/21 13:19	1
Chloroform	ND		0.39		ug/m3			03/21/21 13:19	1
Chloromethane	1.1		0.41		ug/m3			03/21/21 13:19	1
cis-1,2-Dichloroethene	ND		0.16		ug/m3			03/21/21 13:19	1
cis-1,3-Dichloropropene	ND		0.36		ug/m3			03/21/21 13:19	1
Cyclohexane	ND		0.69		ug/m3			03/21/21 13:19	1
Dibromochloromethane	ND		0.68		ug/m3			03/21/21 13:19	1
Dichlorodifluoromethane	1.3		0.40		ug/m3			03/21/21 13:19	1
Ethanol	6.4	J	3.8		ug/m3			03/21/21 13:19	1
Ethylbenzene	ND		0.35		ug/m3			03/21/21 13:19	1
Hexachlorobutadiene	ND	UJ	0.85		ug/m3			03/21/21 13:19	1
Hexane	ND		0.70		ug/m3			03/21/21 13:19	1
Methyl tert-butyl ether	ND		0.58		ug/m3			03/21/21 13:19	1
Methylene Chloride	3.7	B	1.4		ug/m3			03/21/21 13:19	1
m-Xylene & p-Xylene	0.89		0.35		ug/m3			03/21/21 13:19	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22339-1

Client Sample ID: 224121--OA-104

Lab Sample ID: 140-22339-1

Date Collected: 03/16/21 07:39

Matrix: Air

Date Received: 03/18/21 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		1.0		ug/m3			03/21/21 13:19	1
o-Xylene	ND		0.35		ug/m3			03/21/21 13:19	1
Styrene	ND		0.34		ug/m3			03/21/21 13:19	1
t-Butyl alcohol	ND		0.97		ug/m3			03/21/21 13:19	1
Tetrachloroethene	1.9		0.54		ug/m3			03/21/21 13:19	1
Toluene	1.1		0.45		ug/m3			03/21/21 13:19	1
trans-1,2-Dichloroethene	ND		0.32		ug/m3			03/21/21 13:19	1
trans-1,3-Dichloropropene	ND		0.36		ug/m3			03/21/21 13:19	1
Trichloroethene	ND		0.19		ug/m3			03/21/21 13:19	1
Trichlorofluoromethane	1.4		0.45		ug/m3			03/21/21 13:19	1
Vinyl chloride	ND		0.10		ug/m3			03/21/21 13:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		60 - 140		03/21/21 13:19	1

Client Sample ID: 224121--SS-105

Lab Sample ID: 140-22339-2

Date Collected: 03/16/21 10:40

Matrix: Air

Date Received: 03/18/21 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.17		0.080		ppb v/v			03/21/21 20:27	1
1,1,2,2-Tetrachloroethane	ND		0.080		ppb v/v			03/21/21 20:27	1
1,1,2-Trichloroethane	ND		0.080		ppb v/v			03/21/21 20:27	1
1,1,2-Trichlorotrifluoroethane	ND		0.080		ppb v/v			03/21/21 20:27	1
1,1-Dichloroethane	ND		0.080		ppb v/v			03/21/21 20:27	1
1,1-Dichloroethene	ND		0.040		ppb v/v			03/21/21 20:27	1
1,2,4-Trichlorobenzene	ND		0.080		ppb v/v			03/21/21 20:27	1
1,2,4-Trimethylbenzene	ND		0.080		ppb v/v			03/21/21 20:27	1
1,2-Dibromoethane	ND		0.080		ppb v/v			03/21/21 20:27	1
1,2-Dichlorobenzene	ND		0.080		ppb v/v			03/21/21 20:27	1
1,2-Dichloroethane	0.15		0.080		ppb v/v			03/21/21 20:27	1
1,2-Dichloropropane	ND		0.080		ppb v/v			03/21/21 20:27	1
1,2-Dichlorotetrafluoroethane	ND		0.080		ppb v/v			03/21/21 20:27	1
1,3,5-Trimethylbenzene	ND		0.080		ppb v/v			03/21/21 20:27	1
1,3-Dichlorobenzene	ND		0.080		ppb v/v			03/21/21 20:27	1
1,4-Dichlorobenzene	ND		0.080		ppb v/v			03/21/21 20:27	1
1,4-Dioxane	ND		0.20		ppb v/v			03/21/21 20:27	1
2,2,4-Trimethylpentane	ND		0.20		ppb v/v			03/21/21 20:27	1
2-Butanone	0.38		0.32		ppb v/v			03/21/21 20:27	1
4-Methyl-2-pentanone (MIBK)	ND		0.20		ppb v/v			03/21/21 20:27	1
Benzene	0.10		0.080		ppb v/v			03/21/21 20:27	1
Benzyl chloride	ND	*+	0.16		ppb v/v			03/21/21 20:27	1
Bromodichloromethane	ND		0.080		ppb v/v			03/21/21 20:27	1
Bromoform	ND		0.080		ppb v/v			03/21/21 20:27	1
Bromomethane	ND		0.080		ppb v/v			03/21/21 20:27	1
Carbon tetrachloride	0.097		0.032		ppb v/v			03/21/21 20:27	1
Chlorobenzene	ND		0.080		ppb v/v			03/21/21 20:27	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22339-1

Client Sample ID: 224121--SS-105

Lab Sample ID: 140-22339-2

Date Collected: 03/16/21 10:40

Matrix: Air

Date Received: 03/18/21 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	0.21		0.080		ppb v/v			03/21/21 20:27	1
Chloroform	0.67		0.080		ppb v/v			03/21/21 20:27	1
Chloromethane	ND		0.20		ppb v/v			03/21/21 20:27	1
cis-1,2-Dichloroethene	ND		0.040		ppb v/v			03/21/21 20:27	1
cis-1,3-Dichloropropene	ND		0.080		ppb v/v			03/21/21 20:27	1
Cyclohexane	ND		0.20		ppb v/v			03/21/21 20:27	1
Dibromochloromethane	ND		0.080		ppb v/v			03/21/21 20:27	1
Dichlorodifluoromethane	0.28		0.080		ppb v/v			03/21/21 20:27	1
Ethanol	3.4		2.0		ppb v/v			03/21/21 20:27	1
Ethylbenzene	ND		0.080		ppb v/v			03/21/21 20:27	1
Hexachlorobutadiene	ND		0.080		ppb v/v			03/21/21 20:27	1
Hexane	ND		0.20		ppb v/v			03/21/21 20:27	1
Methyl tert-butyl ether	ND		0.16		ppb v/v			03/21/21 20:27	1
Methylene Chloride	0.43		0.40		ppb v/v			03/21/21 20:27	1
m-Xylene & p-Xylene	ND		0.080		ppb v/v			03/21/21 20:27	1
Naphthalene	ND		0.20		ppb v/v			03/21/21 20:27	1
o-Xylene	ND		0.080		ppb v/v			03/21/21 20:27	1
Styrene	ND		0.080		ppb v/v			03/21/21 20:27	1
t-Butyl alcohol	ND		0.32		ppb v/v			03/21/21 20:27	1
Tetrachloroethene	2.8		0.080		ppb v/v			03/21/21 20:27	1
Toluene	ND		0.12		ppb v/v			03/21/21 20:27	1
trans-1,2-Dichloroethene	ND		0.080		ppb v/v			03/21/21 20:27	1
trans-1,3-Dichloropropene	ND		0.080		ppb v/v			03/21/21 20:27	1
Trichloroethene	2.0		0.036		ppb v/v			03/21/21 20:27	1
Trichlorofluoromethane	0.26		0.080		ppb v/v			03/21/21 20:27	1
Vinyl chloride	0.10		0.040		ppb v/v			03/21/21 20:27	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.90		0.44		ug/m3			03/21/21 20:27	1
1,1,2,2-Tetrachloroethane	ND		0.55		ug/m3			03/21/21 20:27	1
1,1,2-Trichloroethane	ND		0.44		ug/m3			03/21/21 20:27	1
1,1,2-Trichlorotrifluoroethane	ND		0.61		ug/m3			03/21/21 20:27	1
1,1-Dichloroethane	ND		0.32		ug/m3			03/21/21 20:27	1
1,1-Dichloroethene	ND		0.16		ug/m3			03/21/21 20:27	1
1,2,4-Trichlorobenzene	ND	UJ	0.59		ug/m3			03/21/21 20:27	1
1,2,4-Trimethylbenzene	ND		0.39		ug/m3			03/21/21 20:27	1
1,2-Dibromoethane	ND		0.61		ug/m3			03/21/21 20:27	1
1,2-Dichlorobenzene	ND		0.48		ug/m3			03/21/21 20:27	1
1,2-Dichloroethane	0.60		0.32		ug/m3			03/21/21 20:27	1
1,2-Dichloropropane	ND		0.37		ug/m3			03/21/21 20:27	1
1,2-Dichlorotetrafluoroethane	ND		0.56		ug/m3			03/21/21 20:27	1
1,3,5-Trimethylbenzene	ND		0.39		ug/m3			03/21/21 20:27	1
1,3-Dichlorobenzene	ND		0.48		ug/m3			03/21/21 20:27	1
1,4-Dichlorobenzene	ND		0.48		ug/m3			03/21/21 20:27	1
1,4-Dioxane	ND		0.72		ug/m3			03/21/21 20:27	1
2,2,4-Trimethylpentane	ND		0.93		ug/m3			03/21/21 20:27	1
2-Butanone	1.1		0.94		ug/m3			03/21/21 20:27	1
4-Methyl-2-pentanone (MIBK)	ND		0.82		ug/m3			03/21/21 20:27	1
Benzene	0.33		0.26		ug/m3			03/21/21 20:27	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22339-1

Client Sample ID: 224121--SS-105

Lab Sample ID: 140-22339-2

Date Collected: 03/16/21 10:40

Matrix: Air

Date Received: 03/18/21 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzyl chloride	ND	*+ UJ	0.83		ug/m3			03/21/21 20:27	1
Bromodichloromethane	ND		0.54		ug/m3			03/21/21 20:27	1
Bromoform	ND	UJ	0.83		ug/m3			03/21/21 20:27	1
Bromomethane	ND		0.31		ug/m3			03/21/21 20:27	1
Carbon tetrachloride	0.61		0.20		ug/m3			03/21/21 20:27	1
Chlorobenzene	ND		0.37		ug/m3			03/21/21 20:27	1
Chloroethane	0.55		0.21		ug/m3			03/21/21 20:27	1
Chloroform	3.2		0.39		ug/m3			03/21/21 20:27	1
Chloromethane	ND		0.41		ug/m3			03/21/21 20:27	1
cis-1,2-Dichloroethene	ND		0.16		ug/m3			03/21/21 20:27	1
cis-1,3-Dichloropropene	ND		0.36		ug/m3			03/21/21 20:27	1
Cyclohexane	ND		0.69		ug/m3			03/21/21 20:27	1
Dibromochloromethane	ND		0.68		ug/m3			03/21/21 20:27	1
Dichlorodifluoromethane	1.4		0.40		ug/m3			03/21/21 20:27	1
Ethanol	6.5	J	3.8		ug/m3			03/21/21 20:27	1
Ethylbenzene	ND		0.35		ug/m3			03/21/21 20:27	1
Hexachlorobutadiene	ND	UJ	0.85		ug/m3			03/21/21 20:27	1
Hexane	ND		0.70		ug/m3			03/21/21 20:27	1
Methyl tert-butyl ether	ND		0.58		ug/m3			03/21/21 20:27	1
Methylene Chloride	1.5		1.4		ug/m3			03/21/21 20:27	1
m-Xylene & p-Xylene	ND		0.35		ug/m3			03/21/21 20:27	1
Naphthalene	ND		1.0		ug/m3			03/21/21 20:27	1
o-Xylene	ND		0.35		ug/m3			03/21/21 20:27	1
Styrene	ND		0.34		ug/m3			03/21/21 20:27	1
t-Butyl alcohol	ND		0.97		ug/m3			03/21/21 20:27	1
Tetrachloroethene	19		0.54		ug/m3			03/21/21 20:27	1
Toluene	ND		0.45		ug/m3			03/21/21 20:27	1
trans-1,2-Dichloroethene	ND		0.32		ug/m3			03/21/21 20:27	1
trans-1,3-Dichloropropene	ND		0.36		ug/m3			03/21/21 20:27	1
Trichloroethene	11		0.19		ug/m3			03/21/21 20:27	1
Trichlorofluoromethane	1.5		0.45		ug/m3			03/21/21 20:27	1
Vinyl chloride	0.27		0.10		ug/m3			03/21/21 20:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		60 - 140		03/21/21 20:27	1

Client Sample ID: 224121--IA-105

Lab Sample ID: 140-22339-3

Date Collected: 03/16/21 10:41

Matrix: Air

Date Received: 03/18/21 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.40		ppb v/v			03/22/21 14:44	1
1,1,2,2-Tetrachloroethane	ND		0.40		ppb v/v			03/22/21 14:44	1
1,1,2-Trichloroethane	ND		0.40		ppb v/v			03/22/21 14:44	1
1,1,2-Trichlorotrifluoroethane	ND		0.40		ppb v/v			03/22/21 14:44	1
1,1-Dichloroethane	ND		0.40		ppb v/v			03/22/21 14:44	1
1,1-Dichloroethene	ND		0.20		ppb v/v			03/22/21 14:44	1

Eurofins TestAmerica, Knoxville

ALH 4/8/21

Client Sample Results

Client: New York State D.E.C.
 Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22339-1

Client Sample ID: 224121--IA-105

Lab Sample ID: 140-22339-3

Date Collected: 03/16/21 10:41

Matrix: Air

Date Received: 03/18/21 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.40		ppb v/v			03/22/21 14:44	1
1,2,4-Trimethylbenzene	ND		0.40		ppb v/v			03/22/21 14:44	1
1,2-Dibromoethane	ND		0.40		ppb v/v			03/22/21 14:44	1
1,2-Dichlorobenzene	ND		0.40		ppb v/v			03/22/21 14:44	1
1,2-Dichloroethane	ND		0.40		ppb v/v			03/22/21 14:44	1
1,2-Dichloropropane	ND		0.40		ppb v/v			03/22/21 14:44	1
1,2-Dichlorotetrafluoroethane	ND		0.40		ppb v/v			03/22/21 14:44	1
1,3,5-Trimethylbenzene	ND		0.40		ppb v/v			03/22/21 14:44	1
1,3-Dichlorobenzene	ND		0.40		ppb v/v			03/22/21 14:44	1
1,4-Dichlorobenzene	ND		0.40		ppb v/v			03/22/21 14:44	1
1,4-Dioxane	ND		1.0		ppb v/v			03/22/21 14:44	1
2,2,4-Trimethylpentane	ND		1.0		ppb v/v			03/22/21 14:44	1
2-Butanone	ND		1.6		ppb v/v			03/22/21 14:44	1
4-Methyl-2-pentanone (MIBK)	ND		1.0		ppb v/v			03/22/21 14:44	1
Benzene	0.41		0.40		ppb v/v			03/22/21 14:44	1
Benzyl chloride	ND		0.80		ppb v/v			03/22/21 14:44	1
Bromodichloromethane	ND		0.40		ppb v/v			03/22/21 14:44	1
Bromoform	ND		0.40		ppb v/v			03/22/21 14:44	1
Bromomethane	ND		0.40		ppb v/v			03/22/21 14:44	1
Carbon tetrachloride	ND		0.16		ppb v/v			03/22/21 14:44	1
Chlorobenzene	ND		0.40		ppb v/v			03/22/21 14:44	1
Chloroethane	ND		0.40		ppb v/v			03/22/21 14:44	1
Chloroform	ND		0.40		ppb v/v			03/22/21 14:44	1
Chloromethane	1.1		1.0		ppb v/v			03/22/21 14:44	1
cis-1,2-Dichloroethene	ND		0.20		ppb v/v			03/22/21 14:44	1
cis-1,3-Dichloropropene	ND		0.40		ppb v/v			03/22/21 14:44	1
Cyclohexane	ND		1.0		ppb v/v			03/22/21 14:44	1
Dibromochloromethane	ND		0.40		ppb v/v			03/22/21 14:44	1
Dichlorodifluoromethane	ND		0.40		ppb v/v			03/22/21 14:44	1
Ethanol	210		10		ppb v/v			03/22/21 14:44	1
Ethylbenzene	ND		0.40		ppb v/v			03/22/21 14:44	1
Hexachlorobutadiene	ND		0.40		ppb v/v			03/22/21 14:44	1
Hexane	ND		1.0		ppb v/v			03/22/21 14:44	1
Methyl tert-butyl ether	ND		0.80		ppb v/v			03/22/21 14:44	1
Methylene Chloride	ND		2.0		ppb v/v			03/22/21 14:44	1
m-Xylene & p-Xylene	0.43		0.40		ppb v/v			03/22/21 14:44	1
Naphthalene	ND		1.0		ppb v/v			03/22/21 14:44	1
o-Xylene	ND		0.40		ppb v/v			03/22/21 14:44	1
Styrene	ND		0.40		ppb v/v			03/22/21 14:44	1
t-Butyl alcohol	ND		1.6		ppb v/v			03/22/21 14:44	1
Tetrachloroethene	ND		0.40		ppb v/v			03/22/21 14:44	1
Toluene	1.2		0.60		ppb v/v			03/22/21 14:44	1
trans-1,2-Dichloroethene	ND		0.40		ppb v/v			03/22/21 14:44	1
trans-1,3-Dichloropropene	ND		0.40		ppb v/v			03/22/21 14:44	1
Trichloroethene	ND		0.18		ppb v/v			03/22/21 14:44	1
Trichlorofluoromethane	ND		0.40		ppb v/v			03/22/21 14:44	1
Vinyl chloride	ND		0.20		ppb v/v			03/22/21 14:44	1

Client Sample Results

Client: New York State D.E.C.
 Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22339-1

Client Sample ID: 224121--IA-105

Lab Sample ID: 140-22339-3

Date Collected: 03/16/21 10:41

Matrix: Air

Date Received: 03/18/21 09:45

Sample Container: Summa Canister 6L

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.2		ug/m3			03/22/21 14:44	1
1,1,2,2-Tetrachloroethane	ND		2.7		ug/m3			03/22/21 14:44	1
1,1,2-Trichloroethane	ND		2.2		ug/m3			03/22/21 14:44	1
1,1,2-Trichlorotrifluoroethane	ND		3.1		ug/m3			03/22/21 14:44	1
1,1-Dichloroethane	ND		1.6		ug/m3			03/22/21 14:44	1
1,1-Dichloroethene	ND		0.79		ug/m3			03/22/21 14:44	1
1,2,4-Trichlorobenzene	ND	UJ	3.0		ug/m3			03/22/21 14:44	1
1,2,4-Trimethylbenzene	ND		2.0		ug/m3			03/22/21 14:44	1
1,2-Dibromoethane	ND		3.1		ug/m3			03/22/21 14:44	1
1,2-Dichlorobenzene	ND		2.4		ug/m3			03/22/21 14:44	1
1,2-Dichloroethane	ND		1.6		ug/m3			03/22/21 14:44	1
1,2-Dichloropropane	ND		1.8		ug/m3			03/22/21 14:44	1
1,2-Dichlorotetrafluoroethane	ND		2.8		ug/m3			03/22/21 14:44	1
1,3,5-Trimethylbenzene	ND		2.0		ug/m3			03/22/21 14:44	1
1,3-Dichlorobenzene	ND		2.4		ug/m3			03/22/21 14:44	1
1,4-Dichlorobenzene	ND		2.4		ug/m3			03/22/21 14:44	1
1,4-Dioxane	ND		3.6		ug/m3			03/22/21 14:44	1
2,2,4-Trimethylpentane	ND		4.7		ug/m3			03/22/21 14:44	1
2-Butanone	ND		4.7		ug/m3			03/22/21 14:44	1
4-Methyl-2-pentanone (MIBK)	ND		4.1		ug/m3			03/22/21 14:44	1
Benzene	1.3		1.3		ug/m3			03/22/21 14:44	1
Benzyl chloride	ND		4.1		ug/m3			03/22/21 14:44	1
Bromodichloromethane	ND		2.7		ug/m3			03/22/21 14:44	1
Bromoform	ND		4.1		ug/m3			03/22/21 14:44	1
Bromomethane	ND		1.6		ug/m3			03/22/21 14:44	1
Carbon tetrachloride	ND		1.0		ug/m3			03/22/21 14:44	1
Chlorobenzene	ND		1.8		ug/m3			03/22/21 14:44	1
Chloroethane	ND		1.1		ug/m3			03/22/21 14:44	1
Chloroform	ND		2.0		ug/m3			03/22/21 14:44	1
Chloromethane	2.2		2.1		ug/m3			03/22/21 14:44	1
cis-1,2-Dichloroethene	ND		0.79		ug/m3			03/22/21 14:44	1
cis-1,3-Dichloropropene	ND		1.8		ug/m3			03/22/21 14:44	1
Cyclohexane	ND		3.4		ug/m3			03/22/21 14:44	1
Dibromochloromethane	ND		3.4		ug/m3			03/22/21 14:44	1
Dichlorodifluoromethane	ND		2.0		ug/m3			03/22/21 14:44	1
Ethanol	390		19		ug/m3			03/22/21 14:44	1
Ethylbenzene	ND		1.7		ug/m3			03/22/21 14:44	1
Hexachlorobutadiene	ND	UJ	4.3		ug/m3			03/22/21 14:44	1
Hexane	ND		3.5		ug/m3			03/22/21 14:44	1
Methyl tert-butyl ether	ND		2.9		ug/m3			03/22/21 14:44	1
Methylene Chloride	ND		6.9		ug/m3			03/22/21 14:44	1
m-Xylene & p-Xylene	1.9		1.7		ug/m3			03/22/21 14:44	1
Naphthalene	ND	UJ	5.2		ug/m3			03/22/21 14:44	1
o-Xylene	ND		1.7		ug/m3			03/22/21 14:44	1
Styrene	ND		1.7		ug/m3			03/22/21 14:44	1
t-Butyl alcohol	ND		4.9		ug/m3			03/22/21 14:44	1
Tetrachloroethene	ND		2.7		ug/m3			03/22/21 14:44	1
Toluene	4.6		2.3		ug/m3			03/22/21 14:44	1
trans-1,2-Dichloroethene	ND		1.6		ug/m3			03/22/21 14:44	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22339-1

Client Sample ID: 224121--IA-105

Lab Sample ID: 140-22339-3

Date Collected: 03/16/21 10:41

Matrix: Air

Date Received: 03/18/21 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	ND		1.8		ug/m3			03/22/21 14:44	1
Trichloroethene	ND		0.97		ug/m3			03/22/21 14:44	1
Trichlorofluoromethane	ND		2.2		ug/m3			03/22/21 14:44	1
Vinyl chloride	ND		0.51		ug/m3			03/22/21 14:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		60 - 140					03/22/21 14:44	1

Client Sample ID: 224121--OA-105

Lab Sample ID: 140-22339-4

Date Collected: 03/16/21 10:42

Matrix: Air

Date Received: 03/18/21 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.080		ppb v/v			03/21/21 14:09	1
1,1,2,2-Tetrachloroethane	ND		0.080		ppb v/v			03/21/21 14:09	1
1,1,2-Trichloroethane	ND		0.080		ppb v/v			03/21/21 14:09	1
1,1,2-Trichlorotrifluoroethane	ND		0.080		ppb v/v			03/21/21 14:09	1
1,1-Dichloroethane	ND		0.080		ppb v/v			03/21/21 14:09	1
1,1-Dichloroethene	ND		0.040		ppb v/v			03/21/21 14:09	1
1,2,4-Trichlorobenzene	ND		0.080		ppb v/v			03/21/21 14:09	1
1,2,4-Trimethylbenzene	ND		0.080		ppb v/v			03/21/21 14:09	1
1,2-Dibromoethane	ND		0.080		ppb v/v			03/21/21 14:09	1
1,2-Dichlorobenzene	ND		0.080		ppb v/v			03/21/21 14:09	1
1,2-Dichloroethane	ND		0.080		ppb v/v			03/21/21 14:09	1
1,2-Dichloropropane	ND		0.080		ppb v/v			03/21/21 14:09	1
1,2-Dichlorotetrafluoroethane	ND		0.080		ppb v/v			03/21/21 14:09	1
1,3,5-Trimethylbenzene	ND		0.080		ppb v/v			03/21/21 14:09	1
1,3-Dichlorobenzene	ND		0.080		ppb v/v			03/21/21 14:09	1
1,4-Dichlorobenzene	ND		0.080		ppb v/v			03/21/21 14:09	1
1,4-Dioxane	ND		0.20		ppb v/v			03/21/21 14:09	1
2,2,4-Trimethylpentane	ND		0.20		ppb v/v			03/21/21 14:09	1
2-Butanone	ND		0.32		ppb v/v			03/21/21 14:09	1
4-Methyl-2-pentanone (MIBK)	ND		0.20		ppb v/v			03/21/21 14:09	1
Benzene	0.22		0.080		ppb v/v			03/21/21 14:09	1
Benzyl chloride	ND	*+	0.16		ppb v/v			03/21/21 14:09	1
Bromodichloromethane	ND		0.080		ppb v/v			03/21/21 14:09	1
Bromoform	ND		0.080		ppb v/v			03/21/21 14:09	1
Bromomethane	ND		0.080		ppb v/v			03/21/21 14:09	1
Carbon tetrachloride	0.080		0.032		ppb v/v			03/21/21 14:09	1
Chlorobenzene	ND		0.080		ppb v/v			03/21/21 14:09	1
Chloroethane	ND		0.080		ppb v/v			03/21/21 14:09	1
Chloroform	ND		0.080		ppb v/v			03/21/21 14:09	1
Chloromethane	0.53		0.20		ppb v/v			03/21/21 14:09	1
cis-1,2-Dichloroethene	ND		0.040		ppb v/v			03/21/21 14:09	1
cis-1,3-Dichloropropene	ND		0.080		ppb v/v			03/21/21 14:09	1
Cyclohexane	ND		0.20		ppb v/v			03/21/21 14:09	1
Dibromochloromethane	ND		0.080		ppb v/v			03/21/21 14:09	1

Client Sample Results

Client: New York State D.E.C.
 Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22339-1

Client Sample ID: 224121--OA-105

Lab Sample ID: 140-22339-4

Date Collected: 03/16/21 10:42

Matrix: Air

Date Received: 03/18/21 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	0.28		0.080		ppb v/v			03/21/21 14:09	1
Ethanol	6.6		2.0		ppb v/v			03/21/21 14:09	1
Ethylbenzene	ND		0.080		ppb v/v			03/21/21 14:09	1
Hexachlorobutadiene	ND		0.080		ppb v/v			03/21/21 14:09	1
Hexane	ND		0.20		ppb v/v			03/21/21 14:09	1
Methyl tert-butyl ether	ND		0.16		ppb v/v			03/21/21 14:09	1
Methylene Chloride	0.44		0.40		ppb v/v			03/21/21 14:09	1
m-Xylene & p-Xylene	0.25		0.080		ppb v/v			03/21/21 14:09	1
Naphthalene	ND		0.20		ppb v/v			03/21/21 14:09	1
o-Xylene	0.082		0.080		ppb v/v			03/21/21 14:09	1
Styrene	ND		0.080		ppb v/v			03/21/21 14:09	1
t-Butyl alcohol	ND		0.32		ppb v/v			03/21/21 14:09	1
Tetrachloroethene	ND		0.080		ppb v/v			03/21/21 14:09	1
Toluene	0.56		0.12		ppb v/v			03/21/21 14:09	1
trans-1,2-Dichloroethene	ND		0.080		ppb v/v			03/21/21 14:09	1
trans-1,3-Dichloropropene	ND		0.080		ppb v/v			03/21/21 14:09	1
Trichloroethene	ND		0.036		ppb v/v			03/21/21 14:09	1
Trichlorofluoromethane	0.25		0.080		ppb v/v			03/21/21 14:09	1
Vinyl chloride	ND		0.040		ppb v/v			03/21/21 14:09	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.44		ug/m3			03/21/21 14:09	1
1,1,2,2-Tetrachloroethane	ND		0.55		ug/m3			03/21/21 14:09	1
1,1,2-Trichloroethane	ND		0.44		ug/m3			03/21/21 14:09	1
1,1,2-Trichlorotrifluoroethane	ND		0.61		ug/m3			03/21/21 14:09	1
1,1-Dichloroethane	ND		0.32		ug/m3			03/21/21 14:09	1
1,1-Dichloroethene	ND		0.16		ug/m3			03/21/21 14:09	1
1,2,4-Trichlorobenzene	ND	UJ	0.59		ug/m3			03/21/21 14:09	1
1,2,4-Trimethylbenzene	ND		0.39		ug/m3			03/21/21 14:09	1
1,2-Dibromoethane	ND		0.61		ug/m3			03/21/21 14:09	1
1,2-Dichlorobenzene	ND		0.48		ug/m3			03/21/21 14:09	1
1,2-Dichloroethane	ND		0.32		ug/m3			03/21/21 14:09	1
1,2-Dichloropropane	ND		0.37		ug/m3			03/21/21 14:09	1
1,2-Dichlorotetrafluoroethane	ND		0.56		ug/m3			03/21/21 14:09	1
1,3,5-Trimethylbenzene	ND		0.39		ug/m3			03/21/21 14:09	1
1,3-Dichlorobenzene	ND		0.48		ug/m3			03/21/21 14:09	1
1,4-Dichlorobenzene	ND		0.48		ug/m3			03/21/21 14:09	1
1,4-Dioxane	ND		0.72		ug/m3			03/21/21 14:09	1
2,2,4-Trimethylpentane	ND		0.93		ug/m3			03/21/21 14:09	1
2-Butanone	ND		0.94		ug/m3			03/21/21 14:09	1
4-Methyl-2-pentanone (MIBK)	ND		0.82		ug/m3			03/21/21 14:09	1
Benzene	0.70		0.26		ug/m3			03/21/21 14:09	1
Benzyl chloride	ND	*+ UJ	0.83		ug/m3			03/21/21 14:09	1
Bromodichloromethane	ND		0.54		ug/m3			03/21/21 14:09	1
Bromoform	ND	UJ	0.83		ug/m3			03/21/21 14:09	1
Bromomethane	ND		0.31		ug/m3			03/21/21 14:09	1
Carbon tetrachloride	0.50		0.20		ug/m3			03/21/21 14:09	1
Chlorobenzene	ND		0.37		ug/m3			03/21/21 14:09	1
Chloroethane	ND		0.21		ug/m3			03/21/21 14:09	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22339-1

Client Sample ID: 224121--OA-105

Lab Sample ID: 140-22339-4

Date Collected: 03/16/21 10:42

Matrix: Air

Date Received: 03/18/21 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	ND		0.39		ug/m3			03/21/21 14:09	1
Chloromethane	1.1		0.41		ug/m3			03/21/21 14:09	1
cis-1,2-Dichloroethene	ND		0.16		ug/m3			03/21/21 14:09	1
cis-1,3-Dichloropropene	ND		0.36		ug/m3			03/21/21 14:09	1
Cyclohexane	ND		0.69		ug/m3			03/21/21 14:09	1
Dibromochloromethane	ND		0.68		ug/m3			03/21/21 14:09	1
Dichlorodifluoromethane	1.4		0.40		ug/m3			03/21/21 14:09	1
Ethanol	12	J	3.8		ug/m3			03/21/21 14:09	1
Ethylbenzene	ND		0.35		ug/m3			03/21/21 14:09	1
Hexachlorobutadiene	ND	UJ	0.85		ug/m3			03/21/21 14:09	1
Hexane	ND		0.70		ug/m3			03/21/21 14:09	1
Methyl tert-butyl ether	ND		0.58		ug/m3			03/21/21 14:09	1
Methylene Chloride	1.5		1.4		ug/m3			03/21/21 14:09	1
m-Xylene & p-Xylene	1.1		0.35		ug/m3			03/21/21 14:09	1
Naphthalene	ND		1.0		ug/m3			03/21/21 14:09	1
o-Xylene	0.36		0.35		ug/m3			03/21/21 14:09	1
Styrene	ND		0.34		ug/m3			03/21/21 14:09	1
t-Butyl alcohol	ND		0.97		ug/m3			03/21/21 14:09	1
Tetrachloroethene	ND		0.54		ug/m3			03/21/21 14:09	1
Toluene	2.1		0.45		ug/m3			03/21/21 14:09	1
trans-1,2-Dichloroethene	ND		0.32		ug/m3			03/21/21 14:09	1
trans-1,3-Dichloropropene	ND		0.36		ug/m3			03/21/21 14:09	1
Trichloroethene	ND		0.19		ug/m3			03/21/21 14:09	1
Trichlorofluoromethane	1.4		0.45		ug/m3			03/21/21 14:09	1
Vinyl chloride	ND		0.10		ug/m3			03/21/21 14:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		60 - 140					03/21/21 14:09	1

Client Sample ID: 224121--SS-94

Lab Sample ID: 140-22339-5

Date Collected: 03/16/21 13:29

Matrix: Air

Date Received: 03/18/21 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.080		ppb v/v			03/21/21 21:19	1
1,1,2,2-Tetrachloroethane	ND		0.080		ppb v/v			03/21/21 21:19	1
1,1,2-Trichloroethane	ND		0.080		ppb v/v			03/21/21 21:19	1
1,1,2-Trichlorotrifluoroethane	ND		0.080		ppb v/v			03/21/21 21:19	1
1,1-Dichloroethane	0.71		0.080		ppb v/v			03/21/21 21:19	1
1,1-Dichloroethene	ND		0.040		ppb v/v			03/21/21 21:19	1
1,2,4-Trichlorobenzene	ND		0.080		ppb v/v			03/21/21 21:19	1
1,2,4-Trimethylbenzene	ND		0.080		ppb v/v			03/21/21 21:19	1
1,2-Dibromoethane	ND		0.080		ppb v/v			03/21/21 21:19	1
1,2-Dichlorobenzene	ND		0.080		ppb v/v			03/21/21 21:19	1
1,2-Dichloroethane	2.4		0.080		ppb v/v			03/21/21 21:19	1
1,2-Dichloropropane	ND		0.080		ppb v/v			03/21/21 21:19	1
1,2-Dichlorotetrafluoroethane	ND		0.080		ppb v/v			03/21/21 21:19	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22339-1

Client Sample ID: 224121--SS-94

Lab Sample ID: 140-22339-5

Date Collected: 03/16/21 13:29

Matrix: Air

Date Received: 03/18/21 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trimethylbenzene	ND		0.080		ppb v/v			03/21/21 21:19	1
1,3-Dichlorobenzene	ND		0.080		ppb v/v			03/21/21 21:19	1
1,4-Dichlorobenzene	ND		0.080		ppb v/v			03/21/21 21:19	1
1,4-Dioxane	ND		0.20		ppb v/v			03/21/21 21:19	1
2,2,4-Trimethylpentane	ND		0.20		ppb v/v			03/21/21 21:19	1
2-Butanone	3.5		0.32		ppb v/v			03/21/21 21:19	1
4-Methyl-2-pentanone (MIBK)	0.36		0.20		ppb v/v			03/21/21 21:19	1
Benzene	0.21		0.080		ppb v/v			03/21/21 21:19	1
Benzyl chloride	ND	*+	0.16		ppb v/v			03/21/21 21:19	1
Bromodichloromethane	ND		0.080		ppb v/v			03/21/21 21:19	1
Bromoform	ND		0.080		ppb v/v			03/21/21 21:19	1
Bromomethane	ND		0.080		ppb v/v			03/21/21 21:19	1
Carbon tetrachloride	0.041		0.032		ppb v/v			03/21/21 21:19	1
Chlorobenzene	ND		0.080		ppb v/v			03/21/21 21:19	1
Chloroethane	1.4		0.080		ppb v/v			03/21/21 21:19	1
Chloroform	0.47		0.080		ppb v/v			03/21/21 21:19	1
Chloromethane	0.48		0.20		ppb v/v			03/21/21 21:19	1
cis-1,2-Dichloroethene	ND		0.040		ppb v/v			03/21/21 21:19	1
cis-1,3-Dichloropropene	ND		0.080		ppb v/v			03/21/21 21:19	1
Cyclohexane	1.0	CI	0.20		ppb v/v			03/21/21 21:19	1
Dibromochloromethane	ND		0.080		ppb v/v			03/21/21 21:19	1
Dichlorodifluoromethane	0.32		0.080		ppb v/v			03/21/21 21:19	1
Ethanol	20		2.0		ppb v/v			03/21/21 21:19	1
Ethylbenzene	ND		0.080		ppb v/v			03/21/21 21:19	1
Hexachlorobutadiene	ND		0.080		ppb v/v			03/21/21 21:19	1
Hexane	0.70		0.20		ppb v/v			03/21/21 21:19	1
Methyl tert-butyl ether	ND		0.16		ppb v/v			03/21/21 21:19	1
Methylene Chloride	0.51		0.40		ppb v/v			03/21/21 21:19	1
m-Xylene & p-Xylene	0.21		0.080		ppb v/v			03/21/21 21:19	1
Naphthalene	ND		0.20		ppb v/v			03/21/21 21:19	1
o-Xylene	0.096		0.080		ppb v/v			03/21/21 21:19	1
Styrene	0.094		0.080		ppb v/v			03/21/21 21:19	1
t-Butyl alcohol	6.8		0.32		ppb v/v			03/21/21 21:19	1
Tetrachloroethene	0.18		0.080		ppb v/v			03/21/21 21:19	1
Toluene	0.45		0.12		ppb v/v			03/21/21 21:19	1
trans-1,2-Dichloroethene	ND		0.080		ppb v/v			03/21/21 21:19	1
trans-1,3-Dichloropropene	ND		0.080		ppb v/v			03/21/21 21:19	1
Trichloroethene	ND		0.036		ppb v/v			03/21/21 21:19	1
Trichlorofluoromethane	0.25		0.080		ppb v/v			03/21/21 21:19	1
Vinyl chloride	0.92		0.040		ppb v/v			03/21/21 21:19	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.44		ug/m3			03/21/21 21:19	1
1,1,2,2-Tetrachloroethane	ND		0.55		ug/m3			03/21/21 21:19	1
1,1,2-Trichloroethane	ND		0.44		ug/m3			03/21/21 21:19	1
1,1,2-Trichlorotrifluoroethane	ND		0.61		ug/m3			03/21/21 21:19	1
1,1-Dichloroethane	2.9		0.32		ug/m3			03/21/21 21:19	1
1,1-Dichloroethene	ND		0.16		ug/m3			03/21/21 21:19	1
1,2,4-Trichlorobenzene	ND		0.59		ug/m3			03/21/21 21:19	1

UJ

ALH 4/8/21

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22339-1

Client Sample ID: 224121--SS-94

Lab Sample ID: 140-22339-5

Date Collected: 03/16/21 13:29

Matrix: Air

Date Received: 03/18/21 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	ND		0.39		ug/m3			03/21/21 21:19	1
1,2-Dibromoethane	ND		0.61		ug/m3			03/21/21 21:19	1
1,2-Dichlorobenzene	ND		0.48		ug/m3			03/21/21 21:19	1
1,2-Dichloroethane	9.6		0.32		ug/m3			03/21/21 21:19	1
1,2-Dichloropropane	ND		0.37		ug/m3			03/21/21 21:19	1
1,2-Dichlorotetrafluoroethane	ND		0.56		ug/m3			03/21/21 21:19	1
1,3,5-Trimethylbenzene	ND		0.39		ug/m3			03/21/21 21:19	1
1,3-Dichlorobenzene	ND		0.48		ug/m3			03/21/21 21:19	1
1,4-Dichlorobenzene	ND		0.48		ug/m3			03/21/21 21:19	1
1,4-Dioxane	ND		0.72		ug/m3			03/21/21 21:19	1
2,2,4-Trimethylpentane	ND		0.93		ug/m3			03/21/21 21:19	1
2-Butanone	10		0.94		ug/m3			03/21/21 21:19	1
4-Methyl-2-pentanone (MIBK)	1.5		0.82		ug/m3			03/21/21 21:19	1
Benzene	0.68		0.26		ug/m3			03/21/21 21:19	1
Benzyl chloride	ND	*+ UJ	0.83		ug/m3			03/21/21 21:19	1
Bromodichloromethane	ND		0.54		ug/m3			03/21/21 21:19	1
Bromoform	ND	UJ	0.83		ug/m3			03/21/21 21:19	1
Bromomethane	ND		0.31		ug/m3			03/21/21 21:19	1
Carbon tetrachloride	0.26		0.20		ug/m3			03/21/21 21:19	1
Chlorobenzene	ND		0.37		ug/m3			03/21/21 21:19	1
Chloroethane	3.8		0.21		ug/m3			03/21/21 21:19	1
Chloroform	2.3		0.39		ug/m3			03/21/21 21:19	1
Chloromethane	0.99		0.41		ug/m3			03/21/21 21:19	1
cis-1,2-Dichloroethene	ND		0.16		ug/m3			03/21/21 21:19	1
cis-1,3-Dichloropropene	ND		0.36		ug/m3			03/21/21 21:19	1
Cyclohexane	3.5	CI	0.69		ug/m3			03/21/21 21:19	1
Dibromochloromethane	ND		0.68		ug/m3			03/21/21 21:19	1
Dichlorodifluoromethane	1.6		0.40		ug/m3			03/21/21 21:19	1
Ethanol	37	J	3.8		ug/m3			03/21/21 21:19	1
Ethylbenzene	ND		0.35		ug/m3			03/21/21 21:19	1
Hexachlorobutadiene	ND	UJ	0.85		ug/m3			03/21/21 21:19	1
Hexane	2.5		0.70		ug/m3			03/21/21 21:19	1
Methyl tert-butyl ether	ND		0.58		ug/m3			03/21/21 21:19	1
Methylene Chloride	1.8		1.4		ug/m3			03/21/21 21:19	1
m-Xylene & p-Xylene	0.92		0.35		ug/m3			03/21/21 21:19	1
Naphthalene	ND		1.0		ug/m3			03/21/21 21:19	1
o-Xylene	0.42		0.35		ug/m3			03/21/21 21:19	1
Styrene	0.40		0.34		ug/m3			03/21/21 21:19	1
t-Butyl alcohol	21		0.97		ug/m3			03/21/21 21:19	1
Tetrachloroethene	1.2		0.54		ug/m3			03/21/21 21:19	1
Toluene	1.7		0.45		ug/m3			03/21/21 21:19	1
trans-1,2-Dichloroethene	ND		0.32		ug/m3			03/21/21 21:19	1
trans-1,3-Dichloropropene	ND		0.36		ug/m3			03/21/21 21:19	1
Trichloroethene	ND		0.19		ug/m3			03/21/21 21:19	1
Trichlorofluoromethane	1.4		0.45		ug/m3			03/21/21 21:19	1
Vinyl chloride	2.3		0.10		ug/m3			03/21/21 21:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		60 - 140		03/21/21 21:19	1

Eurofins TestAmerica, Knoxville

ALH 4/8/21

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22339-1

Client Sample ID: 224121--IAA-94

Lab Sample ID: 140-22339-6

Date Collected: 03/16/21 13:30

Matrix: Air

Date Received: 03/18/21 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.080		ppb v/v			03/21/21 23:00	1
1,1,2,2-Tetrachloroethane	ND		0.080		ppb v/v			03/21/21 23:00	1
1,1,2-Trichloroethane	ND		0.080		ppb v/v			03/21/21 23:00	1
1,1,2-Trichlorotrifluoroethane	ND		0.080		ppb v/v			03/21/21 23:00	1
1,1-Dichloroethane	ND		0.080		ppb v/v			03/21/21 23:00	1
1,1-Dichloroethene	ND		0.040		ppb v/v			03/21/21 23:00	1
1,2,4-Trichlorobenzene	ND		0.080		ppb v/v			03/21/21 23:00	1
1,2,4-Trimethylbenzene	ND		0.080		ppb v/v			03/21/21 23:00	1
1,2-Dibromoethane	ND		0.080		ppb v/v			03/21/21 23:00	1
1,2-Dichlorobenzene	ND		0.080		ppb v/v			03/21/21 23:00	1
1,2-Dichloroethane	ND		0.080		ppb v/v			03/21/21 23:00	1
1,2-Dichloropropane	ND		0.080		ppb v/v			03/21/21 23:00	1
1,2-Dichlorotetrafluoroethane	ND		0.080		ppb v/v			03/21/21 23:00	1
1,3,5-Trimethylbenzene	ND		0.080		ppb v/v			03/21/21 23:00	1
1,3-Dichlorobenzene	ND		0.080		ppb v/v			03/21/21 23:00	1
1,4-Dichlorobenzene	ND		0.080		ppb v/v			03/21/21 23:00	1
1,4-Dioxane	ND		0.20		ppb v/v			03/21/21 23:00	1
2,2,4-Trimethylpentane	ND		0.20		ppb v/v			03/21/21 23:00	1
2-Butanone	0.39		0.32		ppb v/v			03/21/21 23:00	1
4-Methyl-2-pentanone (MIBK)	ND		0.20		ppb v/v			03/21/21 23:00	1
Benzene	0.26		0.080		ppb v/v			03/21/21 23:00	1
Benzyl chloride	ND	*+	0.16		ppb v/v			03/21/21 23:00	1
Bromodichloromethane	ND		0.080		ppb v/v			03/21/21 23:00	1
Bromoform	ND		0.080		ppb v/v			03/21/21 23:00	1
Bromomethane	ND		0.080		ppb v/v			03/21/21 23:00	1
Carbon tetrachloride	0.082		0.032		ppb v/v			03/21/21 23:00	1
Chlorobenzene	ND		0.080		ppb v/v			03/21/21 23:00	1
Chloroethane	ND		0.080		ppb v/v			03/21/21 23:00	1
Chloroform	0.10		0.080		ppb v/v			03/21/21 23:00	1
Chloromethane	0.61		0.20		ppb v/v			03/21/21 23:00	1
cis-1,2-Dichloroethene	ND		0.040		ppb v/v			03/21/21 23:00	1
cis-1,3-Dichloropropene	ND		0.080		ppb v/v			03/21/21 23:00	1
Cyclohexane	ND		0.20		ppb v/v			03/21/21 23:00	1
Dibromochloromethane	ND		0.080		ppb v/v			03/21/21 23:00	1
Dichlorodifluoromethane	0.26		0.080		ppb v/v			03/21/21 23:00	1
Ethanol	84 E		2.0		ppb v/v			03/21/21 23:00	1
Ethylbenzene	0.081		0.080		ppb v/v			03/21/21 23:00	1
Hexachlorobutadiene	ND		0.080		ppb v/v			03/21/21 23:00	1
Hexane	0.21		0.20		ppb v/v			03/21/21 23:00	1
Methyl tert-butyl ether	ND		0.16		ppb v/v			03/21/21 23:00	1
Methylene Chloride	0.93		0.40		ppb v/v			03/21/21 23:00	1
m-Xylene & p-Xylene	0.26		0.080		ppb v/v			03/21/21 23:00	1
Naphthalene	ND		0.20		ppb v/v			03/21/21 23:00	1
o-Xylene	0.097		0.080		ppb v/v			03/21/21 23:00	1
Styrene	ND		0.080		ppb v/v			03/21/21 23:00	1
t-Butyl alcohol	ND		0.32		ppb v/v			03/21/21 23:00	1
Tetrachloroethene	ND		0.080		ppb v/v			03/21/21 23:00	1
Toluene	1.0		0.12		ppb v/v			03/21/21 23:00	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22339-1

Client Sample ID: 224121--IAA-94

Lab Sample ID: 140-22339-6

Date Collected: 03/16/21 13:30

Matrix: Air

Date Received: 03/18/21 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		0.080		ppb v/v			03/21/21 23:00	1
trans-1,3-Dichloropropene	ND		0.080		ppb v/v			03/21/21 23:00	1
Trichloroethene	ND		0.036		ppb v/v			03/21/21 23:00	1
Trichlorofluoromethane	0.24		0.080		ppb v/v			03/21/21 23:00	1
Vinyl chloride	ND		0.040		ppb v/v			03/21/21 23:00	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.44		ug/m3			03/21/21 23:00	1
1,1,2,2-Tetrachloroethane	ND		0.55		ug/m3			03/21/21 23:00	1
1,1,2-Trichloroethane	ND		0.44		ug/m3			03/21/21 23:00	1
1,1,2-Trichlorotrifluoroethane	ND		0.61		ug/m3			03/21/21 23:00	1
1,1-Dichloroethane	ND		0.32		ug/m3			03/21/21 23:00	1
1,1-Dichloroethene	ND		0.16		ug/m3			03/21/21 23:00	1
1,2,4-Trichlorobenzene	ND	UJ	0.59		ug/m3			03/21/21 23:00	1
1,2,4-Trimethylbenzene	ND		0.39		ug/m3			03/21/21 23:00	1
1,2-Dibromoethane	ND		0.61		ug/m3			03/21/21 23:00	1
1,2-Dichlorobenzene	ND		0.48		ug/m3			03/21/21 23:00	1
1,2-Dichloroethane	ND		0.32		ug/m3			03/21/21 23:00	1
1,2-Dichloropropane	ND		0.37		ug/m3			03/21/21 23:00	1
1,2-Dichlorotetrafluoroethane	ND		0.56		ug/m3			03/21/21 23:00	1
1,3,5-Trimethylbenzene	ND		0.39		ug/m3			03/21/21 23:00	1
1,3-Dichlorobenzene	ND		0.48		ug/m3			03/21/21 23:00	1
1,4-Dichlorobenzene	ND		0.48		ug/m3			03/21/21 23:00	1
1,4-Dioxane	ND		0.72		ug/m3			03/21/21 23:00	1
2,2,4-Trimethylpentane	ND		0.93		ug/m3			03/21/21 23:00	1
2-Butanone	1.2		0.94		ug/m3			03/21/21 23:00	1
4-Methyl-2-pentanone (MIBK)	ND		0.82		ug/m3			03/21/21 23:00	1
Benzene	0.84		0.26		ug/m3			03/21/21 23:00	1
Benzyl chloride	ND	*+ UJ	0.83		ug/m3			03/21/21 23:00	1
Bromodichloromethane	ND		0.54		ug/m3			03/21/21 23:00	1
Bromoform	ND	UJ	0.83		ug/m3			03/21/21 23:00	1
Bromomethane	ND		0.31		ug/m3			03/21/21 23:00	1
Carbon tetrachloride	0.52		0.20		ug/m3			03/21/21 23:00	1
Chlorobenzene	ND		0.37		ug/m3			03/21/21 23:00	1
Chloroethane	ND		0.21		ug/m3			03/21/21 23:00	1
Chloroform	0.49		0.39		ug/m3			03/21/21 23:00	1
Chloromethane	1.3		0.41		ug/m3			03/21/21 23:00	1
cis-1,2-Dichloroethene	ND		0.16		ug/m3			03/21/21 23:00	1
cis-1,3-Dichloropropene	ND		0.36		ug/m3			03/21/21 23:00	1
Cyclohexane	ND		0.69		ug/m3			03/21/21 23:00	1
Dibromochloromethane	ND		0.68		ug/m3			03/21/21 23:00	1
Dichlorodifluoromethane	1.3		0.40		ug/m3			03/21/21 23:00	1
Ethanol	350	160 -E--J-	3.8		ug/m3			03/21/21 23:00	1
Ethylbenzene	0.35		0.35		ug/m3			03/21/21 23:00	1
Hexachlorobutadiene	ND	UJ	0.85		ug/m3			03/21/21 23:00	1
Hexane	0.75		0.70		ug/m3			03/21/21 23:00	1
Methyl tert-butyl ether	ND		0.58		ug/m3			03/21/21 23:00	1
Methylene Chloride	3.2		1.4		ug/m3			03/21/21 23:00	1
m-Xylene & p-Xylene	1.1		0.35		ug/m3			03/21/21 23:00	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22339-1

Client Sample ID: 224121--IAA-94

Lab Sample ID: 140-22339-6

Date Collected: 03/16/21 13:30

Matrix: Air

Date Received: 03/18/21 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		1.0		ug/m3			03/21/21 23:00	1
o-Xylene	0.42		0.35		ug/m3			03/21/21 23:00	1
Styrene	ND		0.34		ug/m3			03/21/21 23:00	1
t-Butyl alcohol	ND		0.97		ug/m3			03/21/21 23:00	1
Tetrachloroethene	ND		0.54		ug/m3			03/21/21 23:00	1
Toluene	3.9		0.45		ug/m3			03/21/21 23:00	1
trans-1,2-Dichloroethene	ND		0.32		ug/m3			03/21/21 23:00	1
trans-1,3-Dichloropropene	ND		0.36		ug/m3			03/21/21 23:00	1
Trichloroethene	ND		0.19		ug/m3			03/21/21 23:00	1
Trichlorofluoromethane	1.4		0.45		ug/m3			03/21/21 23:00	1
Vinyl chloride	ND		0.10		ug/m3			03/21/21 23:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		60 - 140		03/21/21 23:00	1

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethanol	180	D	10		ppb v/v			03/22/21 15:32	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethanol	350	D	19		ug/m3			03/22/21 15:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		60 - 140		03/22/21 15:32	1

Client Sample ID: 224121--IAB-94

Lab Sample ID: 140-22339-7

Date Collected: 03/16/21 13:05

Matrix: Air

Date Received: 03/18/21 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.080		ppb v/v			03/21/21 23:50	1
1,1,2,2-Tetrachloroethane	ND		0.080		ppb v/v			03/21/21 23:50	1
1,1,2-Trichloroethane	ND		0.080		ppb v/v			03/21/21 23:50	1
1,1,2-Trichlorotrifluoroethane	ND		0.080		ppb v/v			03/21/21 23:50	1
1,1-Dichloroethane	ND		0.080		ppb v/v			03/21/21 23:50	1
1,1-Dichloroethene	ND		0.040		ppb v/v			03/21/21 23:50	1
1,2,4-Trichlorobenzene	ND		0.080		ppb v/v			03/21/21 23:50	1
1,2,4-Trimethylbenzene	ND		0.080		ppb v/v			03/21/21 23:50	1
1,2-Dibromoethane	ND		0.080		ppb v/v			03/21/21 23:50	1
1,2-Dichlorobenzene	ND		0.080		ppb v/v			03/21/21 23:50	1
1,2-Dichloroethane	ND		0.080		ppb v/v			03/21/21 23:50	1
1,2-Dichloropropane	ND		0.080		ppb v/v			03/21/21 23:50	1
1,2-Dichlorotetrafluoroethane	ND		0.080		ppb v/v			03/21/21 23:50	1
1,3,5-Trimethylbenzene	ND		0.080		ppb v/v			03/21/21 23:50	1
1,3-Dichlorobenzene	ND		0.080		ppb v/v			03/21/21 23:50	1
1,4-Dichlorobenzene	ND		0.080		ppb v/v			03/21/21 23:50	1
1,4-Dioxane	ND		0.20		ppb v/v			03/21/21 23:50	1
2,2,4-Trimethylpentane	ND		0.20		ppb v/v			03/21/21 23:50	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22339-1

Client Sample ID: 224121--IAB-94

Lab Sample ID: 140-22339-7

Date Collected: 03/16/21 13:05

Matrix: Air

Date Received: 03/18/21 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone	ND		0.32		ppb v/v			03/21/21 23:50	1
4-Methyl-2-pentanone (MIBK)	ND		0.20		ppb v/v			03/21/21 23:50	1
Benzene	0.25		0.080		ppb v/v			03/21/21 23:50	1
Benzyl chloride	ND	*+	0.16		ppb v/v			03/21/21 23:50	1
Bromodichloromethane	ND		0.080		ppb v/v			03/21/21 23:50	1
Bromoform	ND		0.080		ppb v/v			03/21/21 23:50	1
Bromomethane	ND		0.080		ppb v/v			03/21/21 23:50	1
Carbon tetrachloride	0.082		0.032		ppb v/v			03/21/21 23:50	1
Chlorobenzene	ND		0.080		ppb v/v			03/21/21 23:50	1
Chloroethane	ND		0.080		ppb v/v			03/21/21 23:50	1
Chloroform	ND		0.080		ppb v/v			03/21/21 23:50	1
Chloromethane	0.47		0.20		ppb v/v			03/21/21 23:50	1
cis-1,2-Dichloroethene	ND		0.040		ppb v/v			03/21/21 23:50	1
cis-1,3-Dichloropropene	ND		0.080		ppb v/v			03/21/21 23:50	1
Cyclohexane	ND		0.20		ppb v/v			03/21/21 23:50	1
Dibromochloromethane	ND		0.080		ppb v/v			03/21/21 23:50	1
Dichlorodifluoromethane	0.25		0.080		ppb v/v			03/21/21 23:50	1
Ethanol	55		2.0		ppb v/v			03/21/21 23:50	1
Ethylbenzene	0.13		0.080		ppb v/v			03/21/21 23:50	1
Hexachlorobutadiene	ND		0.080		ppb v/v			03/21/21 23:50	1
Hexane	0.40		0.20		ppb v/v			03/21/21 23:50	1
Methyl tert-butyl ether	ND		0.16		ppb v/v			03/21/21 23:50	1
Methylene Chloride	4.5		0.40		ppb v/v			03/21/21 23:50	1
m-Xylene & p-Xylene	0.35		0.080		ppb v/v			03/21/21 23:50	1
Naphthalene	ND		0.20		ppb v/v			03/21/21 23:50	1
o-Xylene	0.13		0.080		ppb v/v			03/21/21 23:50	1
Styrene	ND		0.080		ppb v/v			03/21/21 23:50	1
t-Butyl alcohol	ND		0.32		ppb v/v			03/21/21 23:50	1
Tetrachloroethene	ND		0.080		ppb v/v			03/21/21 23:50	1
Toluene	0.97		0.12		ppb v/v			03/21/21 23:50	1
trans-1,2-Dichloroethene	ND		0.080		ppb v/v			03/21/21 23:50	1
trans-1,3-Dichloropropene	ND		0.080		ppb v/v			03/21/21 23:50	1
Trichloroethene	ND		0.036		ppb v/v			03/21/21 23:50	1
Trichlorofluoromethane	0.28		0.080		ppb v/v			03/21/21 23:50	1
Vinyl chloride	ND		0.040		ppb v/v			03/21/21 23:50	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.44		ug/m3			03/21/21 23:50	1
1,1,2,2-Tetrachloroethane	ND		0.55		ug/m3			03/21/21 23:50	1
1,1,2-Trichloroethane	ND		0.44		ug/m3			03/21/21 23:50	1
1,1,2-Trichlorotrifluoroethane	ND		0.61		ug/m3			03/21/21 23:50	1
1,1-Dichloroethane	ND		0.32		ug/m3			03/21/21 23:50	1
1,1-Dichloroethene	ND		0.16		ug/m3			03/21/21 23:50	1
1,2,4-Trichlorobenzene	ND	UJ	0.59		ug/m3			03/21/21 23:50	1
1,2,4-Trimethylbenzene	ND		0.39		ug/m3			03/21/21 23:50	1
1,2-Dibromoethane	ND		0.61		ug/m3			03/21/21 23:50	1
1,2-Dichlorobenzene	ND		0.48		ug/m3			03/21/21 23:50	1
1,2-Dichloroethane	ND		0.32		ug/m3			03/21/21 23:50	1
1,2-Dichloropropane	ND		0.37		ug/m3			03/21/21 23:50	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22339-1

Client Sample ID: 224121--IAB-94

Lab Sample ID: 140-22339-7

Date Collected: 03/16/21 13:05

Matrix: Air

Date Received: 03/18/21 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorotetrafluoroethane	ND		0.56		ug/m3			03/21/21 23:50	1
1,3,5-Trimethylbenzene	ND		0.39		ug/m3			03/21/21 23:50	1
1,3-Dichlorobenzene	ND		0.48		ug/m3			03/21/21 23:50	1
1,4-Dichlorobenzene	ND		0.48		ug/m3			03/21/21 23:50	1
1,4-Dioxane	ND		0.72		ug/m3			03/21/21 23:50	1
2,2,4-Trimethylpentane	ND		0.93		ug/m3			03/21/21 23:50	1
2-Butanone	ND		0.94		ug/m3			03/21/21 23:50	1
4-Methyl-2-pentanone (MIBK)	ND		0.82		ug/m3			03/21/21 23:50	1
Benzene	0.79		0.26		ug/m3			03/21/21 23:50	1
Benzyl chloride	ND	*+ UJ	0.83		ug/m3			03/21/21 23:50	1
Bromodichloromethane	ND		0.54		ug/m3			03/21/21 23:50	1
Bromoform	ND	UJ	0.83		ug/m3			03/21/21 23:50	1
Bromomethane	ND		0.31		ug/m3			03/21/21 23:50	1
Carbon tetrachloride	0.52		0.20		ug/m3			03/21/21 23:50	1
Chlorobenzene	ND		0.37		ug/m3			03/21/21 23:50	1
Chloroethane	ND		0.21		ug/m3			03/21/21 23:50	1
Chloroform	ND		0.39		ug/m3			03/21/21 23:50	1
Chloromethane	0.96		0.41		ug/m3			03/21/21 23:50	1
cis-1,2-Dichloroethene	ND		0.16		ug/m3			03/21/21 23:50	1
cis-1,3-Dichloropropene	ND		0.36		ug/m3			03/21/21 23:50	1
Cyclohexane	ND		0.69		ug/m3			03/21/21 23:50	1
Dibromochloromethane	ND		0.68		ug/m3			03/21/21 23:50	1
Dichlorodifluoromethane	1.3		0.40		ug/m3			03/21/21 23:50	1
Ethanol	100	J	3.8		ug/m3			03/21/21 23:50	1
Ethylbenzene	0.58		0.35		ug/m3			03/21/21 23:50	1
Hexachlorobutadiene	ND	UJ	0.85		ug/m3			03/21/21 23:50	1
Hexane	1.4		0.70		ug/m3			03/21/21 23:50	1
Methyl tert-butyl ether	ND		0.58		ug/m3			03/21/21 23:50	1
Methylene Chloride	16		1.4		ug/m3			03/21/21 23:50	1
m-Xylene & p-Xylene	1.5		0.35		ug/m3			03/21/21 23:50	1
Naphthalene	ND		1.0		ug/m3			03/21/21 23:50	1
o-Xylene	0.56		0.35		ug/m3			03/21/21 23:50	1
Styrene	ND		0.34		ug/m3			03/21/21 23:50	1
t-Butyl alcohol	ND		0.97		ug/m3			03/21/21 23:50	1
Tetrachloroethene	ND		0.54		ug/m3			03/21/21 23:50	1
Toluene	3.7		0.45		ug/m3			03/21/21 23:50	1
trans-1,2-Dichloroethene	ND		0.32		ug/m3			03/21/21 23:50	1
trans-1,3-Dichloropropene	ND		0.36		ug/m3			03/21/21 23:50	1
Trichloroethene	ND		0.19		ug/m3			03/21/21 23:50	1
Trichlorofluoromethane	1.6		0.45		ug/m3			03/21/21 23:50	1
Vinyl chloride	ND		0.10		ug/m3			03/21/21 23:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		60 - 140					03/21/21 23:50	1

Client Sample Results

Client: New York State D.E.C.
 Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22339-1

Client Sample ID: 224121--SS-106

Lab Sample ID: 140-22339-8

Date Collected: 03/17/21 08:24

Matrix: Air

Date Received: 03/18/21 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		7.4		ppb v/v			03/21/21 15:45	3.71
1,1,2,2-Tetrachloroethane	ND		7.4		ppb v/v			03/21/21 15:45	3.71
1,1,2-Trichloroethane	ND		7.4		ppb v/v			03/21/21 15:45	3.71
1,1,2-Trichlorotrifluoroethane	ND		7.4		ppb v/v			03/21/21 15:45	3.71
1,1-Dichloroethane	ND		7.4		ppb v/v			03/21/21 15:45	3.71
1,1-Dichloroethene	ND		3.7		ppb v/v			03/21/21 15:45	3.71
1,2,4-Trichlorobenzene	ND		7.4		ppb v/v			03/21/21 15:45	3.71
1,2,4-Trimethylbenzene	ND		7.4		ppb v/v			03/21/21 15:45	3.71
1,2-Dibromoethane	ND		7.4		ppb v/v			03/21/21 15:45	3.71
1,2-Dichlorobenzene	ND		7.4		ppb v/v			03/21/21 15:45	3.71
1,2-Dichloroethane	ND		7.4		ppb v/v			03/21/21 15:45	3.71
1,2-Dichloropropane	ND		7.4		ppb v/v			03/21/21 15:45	3.71
1,2-Dichlorotetrafluoroethane	ND		7.4		ppb v/v			03/21/21 15:45	3.71
1,3,5-Trimethylbenzene	ND		7.4		ppb v/v			03/21/21 15:45	3.71
1,3-Dichlorobenzene	ND		7.4		ppb v/v			03/21/21 15:45	3.71
1,4-Dichlorobenzene	ND		7.4		ppb v/v			03/21/21 15:45	3.71
1,4-Dioxane	ND		19		ppb v/v			03/21/21 15:45	3.71
2,2,4-Trimethylpentane	ND		19		ppb v/v			03/21/21 15:45	3.71
2-Butanone	ND		30		ppb v/v			03/21/21 15:45	3.71
4-Methyl-2-pentanone (MIBK)	ND		19		ppb v/v			03/21/21 15:45	3.71
Benzene	ND		7.4		ppb v/v			03/21/21 15:45	3.71
Benzyl chloride	ND	*+	15		ppb v/v			03/21/21 15:45	3.71
Bromodichloromethane	ND		7.4		ppb v/v			03/21/21 15:45	3.71
Bromoform	ND		7.4		ppb v/v			03/21/21 15:45	3.71
Bromomethane	ND		7.4		ppb v/v			03/21/21 15:45	3.71
Carbon tetrachloride	ND		3.0		ppb v/v			03/21/21 15:45	3.71
Chlorobenzene	ND		7.4		ppb v/v			03/21/21 15:45	3.71
Chloroethane	ND		7.4		ppb v/v			03/21/21 15:45	3.71
Chloroform	ND		7.4		ppb v/v			03/21/21 15:45	3.71
Chloromethane	ND		19		ppb v/v			03/21/21 15:45	3.71
cis-1,2-Dichloroethene	ND		3.7		ppb v/v			03/21/21 15:45	3.71
cis-1,3-Dichloropropene	ND		7.4		ppb v/v			03/21/21 15:45	3.71
Cyclohexane	ND		19		ppb v/v			03/21/21 15:45	3.71
Dibromochloromethane	ND		7.4		ppb v/v			03/21/21 15:45	3.71
Dichlorodifluoromethane	ND		7.4		ppb v/v			03/21/21 15:45	3.71
Ethanol	ND		190		ppb v/v			03/21/21 15:45	3.71
Ethylbenzene	ND		7.4		ppb v/v			03/21/21 15:45	3.71
Hexachlorobutadiene	ND		7.4		ppb v/v			03/21/21 15:45	3.71
Hexane	ND		19		ppb v/v			03/21/21 15:45	3.71
Methyl tert-butyl ether	ND		15		ppb v/v			03/21/21 15:45	3.71
Methylene Chloride	ND		37		ppb v/v			03/21/21 15:45	3.71
m-Xylene & p-Xylene	ND		7.4		ppb v/v			03/21/21 15:45	3.71
Naphthalene	ND		19		ppb v/v			03/21/21 15:45	3.71
o-Xylene	ND		7.4		ppb v/v			03/21/21 15:45	3.71
Styrene	ND		7.4		ppb v/v			03/21/21 15:45	3.71
t-Butyl alcohol	ND		30		ppb v/v			03/21/21 15:45	3.71
Tetrachloroethene	ND		7.4		ppb v/v			03/21/21 15:45	3.71
Toluene	ND		11		ppb v/v			03/21/21 15:45	3.71

Client Sample Results

Client: New York State D.E.C.
 Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22339-1

Client Sample ID: 224121--SS-106

Lab Sample ID: 140-22339-8

Date Collected: 03/17/21 08:24

Matrix: Air

Date Received: 03/18/21 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		7.4		ppb v/v			03/21/21 15:45	3.71
trans-1,3-Dichloropropene	ND		7.4		ppb v/v			03/21/21 15:45	3.71
Trichloroethene	560		3.3		ppb v/v			03/21/21 15:45	3.71
Trichlorofluoromethane	ND		7.4		ppb v/v			03/21/21 15:45	3.71
Vinyl chloride	ND		3.7		ppb v/v			03/21/21 15:45	3.71
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		40		ug/m3			03/21/21 15:45	3.71
1,1,2,2-Tetrachloroethane	ND		51		ug/m3			03/21/21 15:45	3.71
1,1,2-Trichloroethane	ND		40		ug/m3			03/21/21 15:45	3.71
1,1,2-Trichlorotrifluoroethane	ND		57		ug/m3			03/21/21 15:45	3.71
1,1-Dichloroethane	ND		30		ug/m3			03/21/21 15:45	3.71
1,1-Dichloroethene	ND		15		ug/m3			03/21/21 15:45	3.71
1,2,4-Trichlorobenzene	ND	UJ	55		ug/m3			03/21/21 15:45	3.71
1,2,4-Trimethylbenzene	ND		36		ug/m3			03/21/21 15:45	3.71
1,2-Dibromoethane	ND		57		ug/m3			03/21/21 15:45	3.71
1,2-Dichlorobenzene	ND		45		ug/m3			03/21/21 15:45	3.71
1,2-Dichloroethane	ND		30		ug/m3			03/21/21 15:45	3.71
1,2-Dichloropropane	ND		34		ug/m3			03/21/21 15:45	3.71
1,2-Dichlorotetrafluoroethane	ND		52		ug/m3			03/21/21 15:45	3.71
1,3,5-Trimethylbenzene	ND		36		ug/m3			03/21/21 15:45	3.71
1,3-Dichlorobenzene	ND		45		ug/m3			03/21/21 15:45	3.71
1,4-Dichlorobenzene	ND		45		ug/m3			03/21/21 15:45	3.71
1,4-Dioxane	ND		67		ug/m3			03/21/21 15:45	3.71
2,2,4-Trimethylpentane	ND		87		ug/m3			03/21/21 15:45	3.71
2-Butanone	ND		88		ug/m3			03/21/21 15:45	3.71
4-Methyl-2-pentanone (MIBK)	ND		76		ug/m3			03/21/21 15:45	3.71
Benzene	ND		24		ug/m3			03/21/21 15:45	3.71
Benzyl chloride	ND	*+UJ	77		ug/m3			03/21/21 15:45	3.71
Bromodichloromethane	ND		50		ug/m3			03/21/21 15:45	3.71
Bromoform	ND	UJ	77		ug/m3			03/21/21 15:45	3.71
Bromomethane	ND		29		ug/m3			03/21/21 15:45	3.71
Carbon tetrachloride	ND		19		ug/m3			03/21/21 15:45	3.71
Chlorobenzene	ND		34		ug/m3			03/21/21 15:45	3.71
Chloroethane	ND		20		ug/m3			03/21/21 15:45	3.71
Chloroform	ND		36		ug/m3			03/21/21 15:45	3.71
Chloromethane	ND		38		ug/m3			03/21/21 15:45	3.71
cis-1,2-Dichloroethene	ND		15		ug/m3			03/21/21 15:45	3.71
cis-1,3-Dichloropropene	ND		34		ug/m3			03/21/21 15:45	3.71
Cyclohexane	ND		64		ug/m3			03/21/21 15:45	3.71
Dibromochloromethane	ND		63		ug/m3			03/21/21 15:45	3.71
Dichlorodifluoromethane	ND		37		ug/m3			03/21/21 15:45	3.71
Ethanol	ND	UJ	350		ug/m3			03/21/21 15:45	3.71
Ethylbenzene	ND		32		ug/m3			03/21/21 15:45	3.71
Hexachlorobutadiene	ND	UJ	79		ug/m3			03/21/21 15:45	3.71
Hexane	ND		65		ug/m3			03/21/21 15:45	3.71
Methyl tert-butyl ether	ND		54		ug/m3			03/21/21 15:45	3.71
Methylene Chloride	ND		130		ug/m3			03/21/21 15:45	3.71
m-Xylene & p-Xylene	ND		32		ug/m3			03/21/21 15:45	3.71

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22339-1

Client Sample ID: 224121--SS-106

Lab Sample ID: 140-22339-8

Date Collected: 03/17/21 08:24

Matrix: Air

Date Received: 03/18/21 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		97		ug/m3			03/21/21 15:45	3.71
o-Xylene	ND		32		ug/m3			03/21/21 15:45	3.71
Styrene	ND		32		ug/m3			03/21/21 15:45	3.71
t-Butyl alcohol	ND		90		ug/m3			03/21/21 15:45	3.71
Tetrachloroethene	ND		50		ug/m3			03/21/21 15:45	3.71
Toluene	ND		42		ug/m3			03/21/21 15:45	3.71
trans-1,2-Dichloroethene	ND		29		ug/m3			03/21/21 15:45	3.71
trans-1,3-Dichloropropene	ND		34		ug/m3			03/21/21 15:45	3.71
Trichloroethene	3000		18		ug/m3			03/21/21 15:45	3.71
Trichlorofluoromethane	ND		42		ug/m3			03/21/21 15:45	3.71
Vinyl chloride	ND		9.5		ug/m3			03/21/21 15:45	3.71

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		60 - 140		03/21/21 15:45	3.71

Client Sample ID: FD-031712-1

Lab Sample ID: 140-22339-9

Date Collected: 03/17/21 00:00

Matrix: Air

Date Received: 03/18/21 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		8.0		ppb v/v			03/21/21 16:30	3.98
1,1,2,2-Tetrachloroethane	ND		8.0		ppb v/v			03/21/21 16:30	3.98
1,1,2-Trichloroethane	ND		8.0		ppb v/v			03/21/21 16:30	3.98
1,1,2-Trichlorotrifluoroethane	ND		8.0		ppb v/v			03/21/21 16:30	3.98
1,1-Dichloroethane	ND		8.0		ppb v/v			03/21/21 16:30	3.98
1,1-Dichloroethene	ND		4.0		ppb v/v			03/21/21 16:30	3.98
1,2,4-Trichlorobenzene	ND		8.0		ppb v/v			03/21/21 16:30	3.98
1,2,4-Trimethylbenzene	ND		8.0		ppb v/v			03/21/21 16:30	3.98
1,2-Dibromoethane	ND		8.0		ppb v/v			03/21/21 16:30	3.98
1,2-Dichlorobenzene	ND		8.0		ppb v/v			03/21/21 16:30	3.98
1,2-Dichloroethane	ND		8.0		ppb v/v			03/21/21 16:30	3.98
1,2-Dichloropropane	ND		8.0		ppb v/v			03/21/21 16:30	3.98
1,2-Dichlorotetrafluoroethane	ND		8.0		ppb v/v			03/21/21 16:30	3.98
1,3,5-Trimethylbenzene	ND		8.0		ppb v/v			03/21/21 16:30	3.98
1,3-Dichlorobenzene	ND		8.0		ppb v/v			03/21/21 16:30	3.98
1,4-Dichlorobenzene	ND		8.0		ppb v/v			03/21/21 16:30	3.98
1,4-Dioxane	ND		20		ppb v/v			03/21/21 16:30	3.98
2,2,4-Trimethylpentane	ND		20		ppb v/v			03/21/21 16:30	3.98
2-Butanone	ND		32		ppb v/v			03/21/21 16:30	3.98
4-Methyl-2-pentanone (MIBK)	ND		20		ppb v/v			03/21/21 16:30	3.98
Benzene	ND		8.0		ppb v/v			03/21/21 16:30	3.98
Benzyl chloride	ND	*+	16		ppb v/v			03/21/21 16:30	3.98
Bromodichloromethane	ND		8.0		ppb v/v			03/21/21 16:30	3.98
Bromoform	ND		8.0		ppb v/v			03/21/21 16:30	3.98
Bromomethane	ND		8.0		ppb v/v			03/21/21 16:30	3.98
Carbon tetrachloride	ND		3.2		ppb v/v			03/21/21 16:30	3.98
Chlorobenzene	ND		8.0		ppb v/v			03/21/21 16:30	3.98

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22339-1

Client Sample ID: FD-031712-1

Lab Sample ID: 140-22339-9

Date Collected: 03/17/21 00:00

Matrix: Air

Date Received: 03/18/21 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	ND		8.0		ppb v/v			03/21/21 16:30	3.98
Chloroform	ND		8.0		ppb v/v			03/21/21 16:30	3.98
Chloromethane	ND		20		ppb v/v			03/21/21 16:30	3.98
cis-1,2-Dichloroethene	ND		4.0		ppb v/v			03/21/21 16:30	3.98
cis-1,3-Dichloropropene	ND		8.0		ppb v/v			03/21/21 16:30	3.98
Cyclohexane	ND		20		ppb v/v			03/21/21 16:30	3.98
Dibromochloromethane	ND		8.0		ppb v/v			03/21/21 16:30	3.98
Dichlorodifluoromethane	ND		8.0		ppb v/v			03/21/21 16:30	3.98
Ethanol	ND		200		ppb v/v			03/21/21 16:30	3.98
Ethylbenzene	ND		8.0		ppb v/v			03/21/21 16:30	3.98
Hexachlorobutadiene	ND		8.0		ppb v/v			03/21/21 16:30	3.98
Hexane	ND		20		ppb v/v			03/21/21 16:30	3.98
Methyl tert-butyl ether	ND		16		ppb v/v			03/21/21 16:30	3.98
Methylene Chloride	ND		40		ppb v/v			03/21/21 16:30	3.98
m-Xylene & p-Xylene	ND		8.0		ppb v/v			03/21/21 16:30	3.98
Naphthalene	ND		20		ppb v/v			03/21/21 16:30	3.98
o-Xylene	ND		8.0		ppb v/v			03/21/21 16:30	3.98
Styrene	ND		8.0		ppb v/v			03/21/21 16:30	3.98
t-Butyl alcohol	ND		32		ppb v/v			03/21/21 16:30	3.98
Tetrachloroethene	ND		8.0		ppb v/v			03/21/21 16:30	3.98
Toluene	ND		12		ppb v/v			03/21/21 16:30	3.98
trans-1,2-Dichloroethene	ND		8.0		ppb v/v			03/21/21 16:30	3.98
trans-1,3-Dichloropropene	ND		8.0		ppb v/v			03/21/21 16:30	3.98
Trichloroethene	550		3.6		ppb v/v			03/21/21 16:30	3.98
Trichlorofluoromethane	ND		8.0		ppb v/v			03/21/21 16:30	3.98
Vinyl chloride	ND		4.0		ppb v/v			03/21/21 16:30	3.98

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		43		ug/m3			03/21/21 16:30	3.98
1,1,2,2-Tetrachloroethane	ND		55		ug/m3			03/21/21 16:30	3.98
1,1,2-Trichloroethane	ND		43		ug/m3			03/21/21 16:30	3.98
1,1,2-Trichlorotrifluoroethane	ND		61		ug/m3			03/21/21 16:30	3.98
1,1-Dichloroethane	ND		32		ug/m3			03/21/21 16:30	3.98
1,1-Dichloroethene	ND		16		ug/m3			03/21/21 16:30	3.98
1,2,4-Trichlorobenzene	ND	UJ	59		ug/m3			03/21/21 16:30	3.98
1,2,4-Trimethylbenzene	ND		39		ug/m3			03/21/21 16:30	3.98
1,2-Dibromoethane	ND		61		ug/m3			03/21/21 16:30	3.98
1,2-Dichlorobenzene	ND		48		ug/m3			03/21/21 16:30	3.98
1,2-Dichloroethane	ND		32		ug/m3			03/21/21 16:30	3.98
1,2-Dichloropropane	ND		37		ug/m3			03/21/21 16:30	3.98
1,2-Dichlorotetrafluoroethane	ND		56		ug/m3			03/21/21 16:30	3.98
1,3,5-Trimethylbenzene	ND		39		ug/m3			03/21/21 16:30	3.98
1,3-Dichlorobenzene	ND		48		ug/m3			03/21/21 16:30	3.98
1,4-Dichlorobenzene	ND		48		ug/m3			03/21/21 16:30	3.98
1,4-Dioxane	ND		72		ug/m3			03/21/21 16:30	3.98
2,2,4-Trimethylpentane	ND		93		ug/m3			03/21/21 16:30	3.98
2-Butanone	ND		94		ug/m3			03/21/21 16:30	3.98
4-Methyl-2-pentanone (MIBK)	ND		82		ug/m3			03/21/21 16:30	3.98
Benzene	ND		25		ug/m3			03/21/21 16:30	3.98

Eurofins TestAmerica, Knoxville

ALH 4/8/21 03/27/2021

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22339-1

Client Sample ID: FD-031712-1

Lab Sample ID: 140-22339-9

Date Collected: 03/17/21 00:00

Matrix: Air

Date Received: 03/18/21 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzyl chloride	ND	*+ UJ	82		ug/m3			03/21/21 16:30	3.98
Bromodichloromethane	ND		53		ug/m3			03/21/21 16:30	3.98
Bromoform	ND	UJ	82		ug/m3			03/21/21 16:30	3.98
Bromomethane	ND		31		ug/m3			03/21/21 16:30	3.98
Carbon tetrachloride	ND		20		ug/m3			03/21/21 16:30	3.98
Chlorobenzene	ND		37		ug/m3			03/21/21 16:30	3.98
Chloroethane	ND		21		ug/m3			03/21/21 16:30	3.98
Chloroform	ND		39		ug/m3			03/21/21 16:30	3.98
Chloromethane	ND		41		ug/m3			03/21/21 16:30	3.98
cis-1,2-Dichloroethene	ND		16		ug/m3			03/21/21 16:30	3.98
cis-1,3-Dichloropropene	ND		36		ug/m3			03/21/21 16:30	3.98
Cyclohexane	ND		68		ug/m3			03/21/21 16:30	3.98
Dibromochloromethane	ND		68		ug/m3			03/21/21 16:30	3.98
Dichlorodifluoromethane	ND		39		ug/m3			03/21/21 16:30	3.98
Ethanol	ND	UJ	370		ug/m3			03/21/21 16:30	3.98
Ethylbenzene	ND		35		ug/m3			03/21/21 16:30	3.98
Hexachlorobutadiene	ND	UJ	85		ug/m3			03/21/21 16:30	3.98
Hexane	ND		70		ug/m3			03/21/21 16:30	3.98
Methyl tert-butyl ether	ND		57		ug/m3			03/21/21 16:30	3.98
Methylene Chloride	ND		140		ug/m3			03/21/21 16:30	3.98
m-Xylene & p-Xylene	ND		35		ug/m3			03/21/21 16:30	3.98
Naphthalene	ND		100		ug/m3			03/21/21 16:30	3.98
o-Xylene	ND		35		ug/m3			03/21/21 16:30	3.98
Styrene	ND		34		ug/m3			03/21/21 16:30	3.98
t-Butyl alcohol	ND		97		ug/m3			03/21/21 16:30	3.98
Tetrachloroethene	ND		54		ug/m3			03/21/21 16:30	3.98
Toluene	ND		45		ug/m3			03/21/21 16:30	3.98
trans-1,2-Dichloroethene	ND		32		ug/m3			03/21/21 16:30	3.98
trans-1,3-Dichloropropene	ND		36		ug/m3			03/21/21 16:30	3.98
Trichloroethene	2900		19		ug/m3			03/21/21 16:30	3.98
Trichlorofluoromethane	ND		45		ug/m3			03/21/21 16:30	3.98
Vinyl chloride	ND		10		ug/m3			03/21/21 16:30	3.98
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		60 - 140					03/21/21 16:30	3.98

Client Sample ID: 224121-BA-106

Lab Sample ID: 140-22339-10

Date Collected: 03/17/21 08:25

Matrix: Air

Date Received: 03/18/21 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.080		ppb v/v			03/22/21 00:41	1
1,1,2,2-Tetrachloroethane	ND		0.080		ppb v/v			03/22/21 00:41	1
1,1,2-Trichloroethane	ND		0.080		ppb v/v			03/22/21 00:41	1
1,1,2-Trichlorotrifluoroethane	ND		0.080		ppb v/v			03/22/21 00:41	1
1,1-Dichloroethane	ND		0.080		ppb v/v			03/22/21 00:41	1
1,1-Dichloroethene	ND		0.040		ppb v/v			03/22/21 00:41	1

Eurofins TestAmerica, Knoxville

ALH 4/8/21

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22339-1

Client Sample ID: 224121-BA-106

Lab Sample ID: 140-22339-10

Date Collected: 03/17/21 08:25

Matrix: Air

Date Received: 03/18/21 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.080		ppb v/v			03/22/21 00:41	1
1,2,4-Trimethylbenzene	0.94		0.080		ppb v/v			03/22/21 00:41	1
1,2-Dibromoethane	ND		0.080		ppb v/v			03/22/21 00:41	1
1,2-Dichlorobenzene	ND		0.080		ppb v/v			03/22/21 00:41	1
1,2-Dichloroethane	ND		0.080		ppb v/v			03/22/21 00:41	1
1,2-Dichloropropane	ND		0.080		ppb v/v			03/22/21 00:41	1
1,2-Dichlorotetrafluoroethane	ND		0.080		ppb v/v			03/22/21 00:41	1
1,3,5-Trimethylbenzene	0.32		0.080		ppb v/v			03/22/21 00:41	1
1,3-Dichlorobenzene	ND		0.080		ppb v/v			03/22/21 00:41	1
1,4-Dichlorobenzene	ND		0.080		ppb v/v			03/22/21 00:41	1
1,4-Dioxane	ND		0.20		ppb v/v			03/22/21 00:41	1
2,2,4-Trimethylpentane	0.80		0.20		ppb v/v			03/22/21 00:41	1
2-Butanone	4.3		0.32		ppb v/v			03/22/21 00:41	1
4-Methyl-2-pentanone (MIBK)	0.36		0.20		ppb v/v			03/22/21 00:41	1
Benzene	0.71		0.080		ppb v/v			03/22/21 00:41	1
Benzyl chloride	ND	*+	0.16		ppb v/v			03/22/21 00:41	1
Bromodichloromethane	ND		0.080		ppb v/v			03/22/21 00:41	1
Bromoform	ND		0.080		ppb v/v			03/22/21 00:41	1
Bromomethane	ND		0.080		ppb v/v			03/22/21 00:41	1
Carbon tetrachloride	0.086		0.032		ppb v/v			03/22/21 00:41	1
Chlorobenzene	ND		0.080		ppb v/v			03/22/21 00:41	1
Chloroethane	ND		0.080		ppb v/v			03/22/21 00:41	1
Chloroform	0.49		0.080		ppb v/v			03/22/21 00:41	1
Chloromethane	0.57		0.20		ppb v/v			03/22/21 00:41	1
cis-1,2-Dichloroethene	ND		0.040		ppb v/v			03/22/21 00:41	1
cis-1,3-Dichloropropene	ND		0.080		ppb v/v			03/22/21 00:41	1
Cyclohexane	0.35		0.20		ppb v/v			03/22/21 00:41	1
Dibromochloromethane	ND		0.080		ppb v/v			03/22/21 00:41	1
Dichlorodifluoromethane	0.26		0.080		ppb v/v			03/22/21 00:41	1
Ethanol	26		2.0		ppb v/v			03/22/21 00:41	1
Ethylbenzene	3.6		0.080		ppb v/v			03/22/21 00:41	1
Hexachlorobutadiene	ND		0.080		ppb v/v			03/22/21 00:41	1
Hexane	1.0		0.20		ppb v/v			03/22/21 00:41	1
Methyl tert-butyl ether	ND		0.16		ppb v/v			03/22/21 00:41	1
Methylene Chloride	5.3		0.40		ppb v/v			03/22/21 00:41	1
m-Xylene & p-Xylene	13		0.080		ppb v/v			03/22/21 00:41	1
Naphthalene	ND		0.20		ppb v/v			03/22/21 00:41	1
o-Xylene	3.5		0.080		ppb v/v			03/22/21 00:41	1
Styrene	4.8		0.080		ppb v/v			03/22/21 00:41	1
t-Butyl alcohol	0.62		0.32		ppb v/v			03/22/21 00:41	1
Tetrachloroethene	0.16		0.080		ppb v/v			03/22/21 00:41	1
Toluene	27	E	0.12		ppb v/v			03/22/21 00:41	1
trans-1,2-Dichloroethene	ND		0.080		ppb v/v			03/22/21 00:41	1
trans-1,3-Dichloropropene	ND		0.080		ppb v/v			03/22/21 00:41	1
Trichloroethene	0.26		0.036		ppb v/v			03/22/21 00:41	1
Trichlorofluoromethane	0.28		0.080		ppb v/v			03/22/21 00:41	1
Vinyl chloride	ND		0.040		ppb v/v			03/22/21 00:41	1

Client Sample Results

Client: New York State D.E.C.
 Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22339-1

Client Sample ID: 224121-BA-106

Lab Sample ID: 140-22339-10

Date Collected: 03/17/21 08:25

Matrix: Air

Date Received: 03/18/21 09:45

Sample Container: Summa Canister 6L

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.44		ug/m3			03/22/21 00:41	1
1,1,2,2-Tetrachloroethane	ND		0.55		ug/m3			03/22/21 00:41	1
1,1,2-Trichloroethane	ND		0.44		ug/m3			03/22/21 00:41	1
1,1,2-Trichlorotrifluoroethane	ND		0.61		ug/m3			03/22/21 00:41	1
1,1-Dichloroethane	ND		0.32		ug/m3			03/22/21 00:41	1
1,1-Dichloroethene	ND		0.16		ug/m3			03/22/21 00:41	1
1,2,4-Trichlorobenzene	ND	UJ	0.59		ug/m3			03/22/21 00:41	1
1,2,4-Trimethylbenzene	4.6		0.39		ug/m3			03/22/21 00:41	1
1,2-Dibromoethane	ND		0.61		ug/m3			03/22/21 00:41	1
1,2-Dichlorobenzene	ND		0.48		ug/m3			03/22/21 00:41	1
1,2-Dichloroethane	ND		0.32		ug/m3			03/22/21 00:41	1
1,2-Dichloropropane	ND		0.37		ug/m3			03/22/21 00:41	1
1,2-Dichlorotetrafluoroethane	ND		0.56		ug/m3			03/22/21 00:41	1
1,3,5-Trimethylbenzene	1.6		0.39		ug/m3			03/22/21 00:41	1
1,3-Dichlorobenzene	ND		0.48		ug/m3			03/22/21 00:41	1
1,4-Dichlorobenzene	ND		0.48		ug/m3			03/22/21 00:41	1
1,4-Dioxane	ND		0.72		ug/m3			03/22/21 00:41	1
2,2,4-Trimethylpentane	3.7		0.93		ug/m3			03/22/21 00:41	1
2-Butanone	13		0.94		ug/m3			03/22/21 00:41	1
4-Methyl-2-pentanone (MIBK)	1.5		0.82		ug/m3			03/22/21 00:41	1
Benzene	2.3		0.26		ug/m3			03/22/21 00:41	1
Benzyl chloride	ND	*+UJ	0.83		ug/m3			03/22/21 00:41	1
Bromodichloromethane	ND		0.54		ug/m3			03/22/21 00:41	1
Bromoform	ND	UJ	0.83		ug/m3			03/22/21 00:41	1
Bromomethane	ND		0.31		ug/m3			03/22/21 00:41	1
Carbon tetrachloride	0.54		0.20		ug/m3			03/22/21 00:41	1
Chlorobenzene	ND		0.37		ug/m3			03/22/21 00:41	1
Chloroethane	ND		0.21		ug/m3			03/22/21 00:41	1
Chloroform	2.4		0.39		ug/m3			03/22/21 00:41	1
Chloromethane	1.2		0.41		ug/m3			03/22/21 00:41	1
cis-1,2-Dichloroethene	ND		0.16		ug/m3			03/22/21 00:41	1
cis-1,3-Dichloropropene	ND		0.36		ug/m3			03/22/21 00:41	1
Cyclohexane	1.2		0.69		ug/m3			03/22/21 00:41	1
Dibromochloromethane	ND		0.68		ug/m3			03/22/21 00:41	1
Dichlorodifluoromethane	1.3		0.40		ug/m3			03/22/21 00:41	1
Ethanol	50	J	3.8		ug/m3			03/22/21 00:41	1
Ethylbenzene	15		0.35		ug/m3			03/22/21 00:41	1
Hexachlorobutadiene	ND	UJ	0.85		ug/m3			03/22/21 00:41	1
Hexane	3.6		0.70		ug/m3			03/22/21 00:41	1
Methyl tert-butyl ether	ND		0.58		ug/m3			03/22/21 00:41	1
Methylene Chloride	18		1.4		ug/m3			03/22/21 00:41	1
m-Xylene & p-Xylene	58		0.35		ug/m3			03/22/21 00:41	1
Naphthalene	ND		1.0		ug/m3			03/22/21 00:41	1
o-Xylene	15		0.35		ug/m3			03/22/21 00:41	1
Styrene	20		0.34		ug/m3			03/22/21 00:41	1
t-Butyl alcohol	1.9		0.97		ug/m3			03/22/21 00:41	1
Tetrachloroethene	1.1		0.54		ug/m3			03/22/21 00:41	1
Toluene	130	100--E	0.45		ug/m3			03/22/21 00:41	1
trans-1,2-Dichloroethene	ND		0.32		ug/m3			03/22/21 00:41	1

Client Sample Results

Client: New York State D.E.C.
 Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22339-1

Client Sample ID: 224121-BA-106

Lab Sample ID: 140-22339-10

Date Collected: 03/17/21 08:25

Matrix: Air

Date Received: 03/18/21 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	ND		0.36		ug/m3			03/22/21 00:41	1
Trichloroethene	1.4		0.19		ug/m3			03/22/21 00:41	1
Trichlorofluoromethane	1.6		0.45		ug/m3			03/22/21 00:41	1
Vinyl chloride	ND		0.10		ug/m3			03/22/21 00:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		60 - 140					03/22/21 00:41	1

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	34	D	0.60		ppb v/v			03/22/21 16:19	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	130	D	2.3		ug/m3			03/22/21 16:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		60 - 140					03/22/21 16:19	1

Client Sample ID: FD-031712-2

Lab Sample ID: 140-22339-11

Date Collected: 03/17/21 00:00

Matrix: Air

Date Received: 03/18/21 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.080		ppb v/v			03/22/21 01:31	1
1,1,2,2-Tetrachloroethane	ND		0.080		ppb v/v			03/22/21 01:31	1
1,1,2-Trichloroethane	ND		0.080		ppb v/v			03/22/21 01:31	1
1,1,2-Trichlorotrifluoroethane	ND		0.080		ppb v/v			03/22/21 01:31	1
1,1-Dichloroethane	ND		0.080		ppb v/v			03/22/21 01:31	1
1,1-Dichloroethene	ND		0.040		ppb v/v			03/22/21 01:31	1
1,2,4-Trichlorobenzene	ND		0.080		ppb v/v			03/22/21 01:31	1
1,2,4-Trimethylbenzene	0.93		0.080		ppb v/v			03/22/21 01:31	1
1,2-Dibromoethane	ND		0.080		ppb v/v			03/22/21 01:31	1
1,2-Dichlorobenzene	ND		0.080		ppb v/v			03/22/21 01:31	1
1,2-Dichloroethane	ND		0.080		ppb v/v			03/22/21 01:31	1
1,2-Dichloropropane	ND		0.080		ppb v/v			03/22/21 01:31	1
1,2-Dichlorotetrafluoroethane	ND		0.080		ppb v/v			03/22/21 01:31	1
1,3,5-Trimethylbenzene	0.34		0.080		ppb v/v			03/22/21 01:31	1
1,3-Dichlorobenzene	ND		0.080		ppb v/v			03/22/21 01:31	1
1,4-Dichlorobenzene	ND		0.080		ppb v/v			03/22/21 01:31	1
1,4-Dioxane	ND		0.20		ppb v/v			03/22/21 01:31	1
2,2,4-Trimethylpentane	0.78		0.20		ppb v/v			03/22/21 01:31	1
2-Butanone	3.9		0.32		ppb v/v			03/22/21 01:31	1
4-Methyl-2-pentanone (MIBK)	0.33		0.20		ppb v/v			03/22/21 01:31	1
Benzene	0.70		0.080		ppb v/v			03/22/21 01:31	1
Benzyl chloride	ND	*+	0.16		ppb v/v			03/22/21 01:31	1
Bromodichloromethane	ND		0.080		ppb v/v			03/22/21 01:31	1
Bromoform	ND		0.080		ppb v/v			03/22/21 01:31	1
Bromomethane	ND		0.080		ppb v/v			03/22/21 01:31	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22339-1

Client Sample ID: FD-031712-2

Lab Sample ID: 140-22339-11

Date Collected: 03/17/21 00:00

Matrix: Air

Date Received: 03/18/21 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	0.076		0.032		ppb v/v			03/22/21 01:31	1
Chlorobenzene	ND		0.080		ppb v/v			03/22/21 01:31	1
Chloroethane	ND		0.080		ppb v/v			03/22/21 01:31	1
Chloroform	0.48		0.080		ppb v/v			03/22/21 01:31	1
Chloromethane	0.42		0.20		ppb v/v			03/22/21 01:31	1
cis-1,2-Dichloroethene	ND		0.040		ppb v/v			03/22/21 01:31	1
cis-1,3-Dichloropropene	ND		0.080		ppb v/v			03/22/21 01:31	1
Cyclohexane	0.31		0.20		ppb v/v			03/22/21 01:31	1
Dibromochloromethane	ND		0.080		ppb v/v			03/22/21 01:31	1
Dichlorodifluoromethane	0.24		0.080		ppb v/v			03/22/21 01:31	1
Ethanol	24		2.0		ppb v/v			03/22/21 01:31	1
Ethylbenzene	3.5		0.080		ppb v/v			03/22/21 01:31	1
Hexachlorobutadiene	ND		0.080		ppb v/v			03/22/21 01:31	1
Hexane	0.83		0.20		ppb v/v			03/22/21 01:31	1
Methyl tert-butyl ether	ND		0.16		ppb v/v			03/22/21 01:31	1
Methylene Chloride	3.9		0.40		ppb v/v			03/22/21 01:31	1
m-Xylene & p-Xylene	13		0.080		ppb v/v			03/22/21 01:31	1
Naphthalene	ND		0.20		ppb v/v			03/22/21 01:31	1
o-Xylene	3.4		0.080		ppb v/v			03/22/21 01:31	1
Styrene	5.1		0.080		ppb v/v			03/22/21 01:31	1
t-Butyl alcohol	0.56		0.32		ppb v/v			03/22/21 01:31	1
Tetrachloroethene	0.16		0.080		ppb v/v			03/22/21 01:31	1
Toluene	27	E	0.12		ppb v/v			03/22/21 01:31	1
trans-1,2-Dichloroethene	ND		0.080		ppb v/v			03/22/21 01:31	1
trans-1,3-Dichloropropene	ND		0.080		ppb v/v			03/22/21 01:31	1
Trichloroethene	0.26		0.036		ppb v/v			03/22/21 01:31	1
Trichlorofluoromethane	0.23		0.080		ppb v/v			03/22/21 01:31	1
Vinyl chloride	ND		0.040		ppb v/v			03/22/21 01:31	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.44		ug/m3			03/22/21 01:31	1
1,1,2,2-Tetrachloroethane	ND		0.55		ug/m3			03/22/21 01:31	1
1,1,2-Trichloroethane	ND		0.44		ug/m3			03/22/21 01:31	1
1,1,2-Trichlorotrifluoroethane	ND		0.61		ug/m3			03/22/21 01:31	1
1,1-Dichloroethane	ND		0.32		ug/m3			03/22/21 01:31	1
1,1-Dichloroethene	ND		0.16		ug/m3			03/22/21 01:31	1
1,2,4-Trichlorobenzene	ND	UJ	0.59		ug/m3			03/22/21 01:31	1
1,2,4-Trimethylbenzene	4.6		0.39		ug/m3			03/22/21 01:31	1
1,2-Dibromoethane	ND		0.61		ug/m3			03/22/21 01:31	1
1,2-Dichlorobenzene	ND		0.48		ug/m3			03/22/21 01:31	1
1,2-Dichloroethane	ND		0.32		ug/m3			03/22/21 01:31	1
1,2-Dichloropropane	ND		0.37		ug/m3			03/22/21 01:31	1
1,2-Dichlorotetrafluoroethane	ND		0.56		ug/m3			03/22/21 01:31	1
1,3,5-Trimethylbenzene	1.7		0.39		ug/m3			03/22/21 01:31	1
1,3-Dichlorobenzene	ND		0.48		ug/m3			03/22/21 01:31	1
1,4-Dichlorobenzene	ND		0.48		ug/m3			03/22/21 01:31	1
1,4-Dioxane	ND		0.72		ug/m3			03/22/21 01:31	1
2,2,4-Trimethylpentane	3.6		0.93		ug/m3			03/22/21 01:31	1
2-Butanone	12		0.94		ug/m3			03/22/21 01:31	1

ALH 4/8/21

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22339-1

Client Sample ID: FD-031712-2

Lab Sample ID: 140-22339-11

Date Collected: 03/17/21 00:00

Matrix: Air

Date Received: 03/18/21 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone (MIBK)	1.4		0.82		ug/m3			03/22/21 01:31	1
Benzene	2.2		0.26		ug/m3			03/22/21 01:31	1
Benzyl chloride	ND	*+ UJ	0.83		ug/m3			03/22/21 01:31	1
Bromodichloromethane	ND		0.54		ug/m3			03/22/21 01:31	1
Bromoform	ND	UJ	0.83		ug/m3			03/22/21 01:31	1
Bromomethane	ND		0.31		ug/m3			03/22/21 01:31	1
Carbon tetrachloride	0.48		0.20		ug/m3			03/22/21 01:31	1
Chlorobenzene	ND		0.37		ug/m3			03/22/21 01:31	1
Chloroethane	ND		0.21		ug/m3			03/22/21 01:31	1
Chloroform	2.3		0.39		ug/m3			03/22/21 01:31	1
Chloromethane	0.88		0.41		ug/m3			03/22/21 01:31	1
cis-1,2-Dichloroethene	ND		0.16		ug/m3			03/22/21 01:31	1
cis-1,3-Dichloropropene	ND		0.36		ug/m3			03/22/21 01:31	1
Cyclohexane	1.1		0.69		ug/m3			03/22/21 01:31	1
Dibromochloromethane	ND		0.68		ug/m3			03/22/21 01:31	1
Dichlorodifluoromethane	1.2		0.40		ug/m3			03/22/21 01:31	1
Ethanol	44	J	3.8		ug/m3			03/22/21 01:31	1
Ethylbenzene	15		0.35		ug/m3			03/22/21 01:31	1
Hexachlorobutadiene	ND	UJ	0.85		ug/m3			03/22/21 01:31	1
Hexane	2.9		0.70		ug/m3			03/22/21 01:31	1
Methyl tert-butyl ether	ND		0.58		ug/m3			03/22/21 01:31	1
Methylene Chloride	14		1.4		ug/m3			03/22/21 01:31	1
m-Xylene & p-Xylene	57		0.35		ug/m3			03/22/21 01:31	1
Naphthalene	ND		1.0		ug/m3			03/22/21 01:31	1
o-Xylene	15		0.35		ug/m3			03/22/21 01:31	1
Styrene	22		0.34		ug/m3			03/22/21 01:31	1
t-Butyl alcohol	1.7		0.97		ug/m3			03/22/21 01:31	1
Tetrachloroethene	1.1		0.54		ug/m3			03/22/21 01:31	1
Toluene	130	100 E--	0.45		ug/m3			03/22/21 01:31	1
trans-1,2-Dichloroethene	ND		0.32		ug/m3			03/22/21 01:31	1
trans-1,3-Dichloropropene	ND		0.36		ug/m3			03/22/21 01:31	1
Trichloroethene	1.4		0.19		ug/m3			03/22/21 01:31	1
Trichlorofluoromethane	1.3		0.45		ug/m3			03/22/21 01:31	1
Vinyl chloride	ND		0.10		ug/m3			03/22/21 01:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		60 - 140		03/22/21 01:31	1

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	36	D	0.60		ppb v/v			03/22/21 17:06	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	130	D	2.3		ug/m3			03/22/21 17:06	1
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
4-Bromofluorobenzene (Surr)	111		60 - 140		03/22/21 17:06	1			

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22339-1

Client Sample ID: 224121-FF-106

Lab Sample ID: 140-22339-12

Date Collected: 03/17/21 08:29

Matrix: Air

Date Received: 03/18/21 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.80		ppb v/v			03/21/21 18:48	1
1,1,2,2-Tetrachloroethane	ND		0.80		ppb v/v			03/21/21 18:48	1
1,1,2-Trichloroethane	ND		0.80		ppb v/v			03/21/21 18:48	1
1,1,2-Trichlorotrifluoroethane	ND		0.80		ppb v/v			03/21/21 18:48	1
1,1-Dichloroethane	ND		0.80		ppb v/v			03/21/21 18:48	1
1,1-Dichloroethene	ND		0.40		ppb v/v			03/21/21 18:48	1
1,2,4-Trichlorobenzene	ND		0.80		ppb v/v			03/21/21 18:48	1
1,2,4-Trimethylbenzene	4.5		0.80		ppb v/v			03/21/21 18:48	1
1,2-Dibromoethane	ND		0.80		ppb v/v			03/21/21 18:48	1
1,2-Dichlorobenzene	ND		0.80		ppb v/v			03/21/21 18:48	1
1,2-Dichloroethane	ND		0.80		ppb v/v			03/21/21 18:48	1
1,2-Dichloropropane	ND		0.80		ppb v/v			03/21/21 18:48	1
1,2-Dichlorotetrafluoroethane	ND		0.80		ppb v/v			03/21/21 18:48	1
1,3,5-Trimethylbenzene	1.2		0.80		ppb v/v			03/21/21 18:48	1
1,3-Dichlorobenzene	ND		0.80		ppb v/v			03/21/21 18:48	1
1,4-Dichlorobenzene	ND		0.80		ppb v/v			03/21/21 18:48	1
1,4-Dioxane	ND		2.0		ppb v/v			03/21/21 18:48	1
2,2,4-Trimethylpentane	ND		2.0		ppb v/v			03/21/21 18:48	1
2-Butanone	43		3.2		ppb v/v			03/21/21 18:48	1
4-Methyl-2-pentanone (MIBK)	ND		2.0		ppb v/v			03/21/21 18:48	1
Benzene	1.3		0.80		ppb v/v			03/21/21 18:48	1
Benzyl chloride	ND	*+	1.6		ppb v/v			03/21/21 18:48	1
Bromodichloromethane	ND		0.80		ppb v/v			03/21/21 18:48	1
Bromoform	ND		0.80		ppb v/v			03/21/21 18:48	1
Bromomethane	ND		0.80		ppb v/v			03/21/21 18:48	1
Carbon tetrachloride	ND		0.32		ppb v/v			03/21/21 18:48	1
Chlorobenzene	ND		0.80		ppb v/v			03/21/21 18:48	1
Chloroethane	ND		0.80		ppb v/v			03/21/21 18:48	1
Chloroform	ND		0.80		ppb v/v			03/21/21 18:48	1
Chloromethane	ND		2.0		ppb v/v			03/21/21 18:48	1
cis-1,2-Dichloroethene	ND		0.40		ppb v/v			03/21/21 18:48	1
cis-1,3-Dichloropropene	ND		0.80		ppb v/v			03/21/21 18:48	1
Cyclohexane	ND		2.0		ppb v/v			03/21/21 18:48	1
Dibromochloromethane	ND		0.80		ppb v/v			03/21/21 18:48	1
Dichlorodifluoromethane	ND		0.80		ppb v/v			03/21/21 18:48	1
Ethanol	61		20		ppb v/v			03/21/21 18:48	1
Ethylbenzene	25		0.80		ppb v/v			03/21/21 18:48	1
Hexachlorobutadiene	ND		0.80		ppb v/v			03/21/21 18:48	1
Hexane	2.9		2.0		ppb v/v			03/21/21 18:48	1
Methyl tert-butyl ether	ND		1.6		ppb v/v			03/21/21 18:48	1
Methylene Chloride	35		4.0		ppb v/v			03/21/21 18:48	1
m-Xylene & p-Xylene	94		0.80		ppb v/v			03/21/21 18:48	1
Naphthalene	ND		2.0		ppb v/v			03/21/21 18:48	1
o-Xylene	23		0.80		ppb v/v			03/21/21 18:48	1
Styrene	5.2		0.80		ppb v/v			03/21/21 18:48	1
t-Butyl alcohol	ND		3.2		ppb v/v			03/21/21 18:48	1
Tetrachloroethene	ND		0.80		ppb v/v			03/21/21 18:48	1
Toluene	280	E	1.2		ppb v/v			03/21/21 18:48	1

Client Sample Results

Client: New York State D.E.C.
 Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22339-1

Client Sample ID: 224121-FF-106

Lab Sample ID: 140-22339-12

Date Collected: 03/17/21 08:29

Matrix: Air

Date Received: 03/18/21 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		0.80		ppb v/v			03/21/21 18:48	1
trans-1,3-Dichloropropene	ND		0.80		ppb v/v			03/21/21 18:48	1
Trichloroethene	ND		0.36		ppb v/v			03/21/21 18:48	1
Trichlorofluoromethane	ND		0.80		ppb v/v			03/21/21 18:48	1
Vinyl chloride	ND		0.40		ppb v/v			03/21/21 18:48	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.4		ug/m3			03/21/21 18:48	1
1,1,2,2-Tetrachloroethane	ND		5.5		ug/m3			03/21/21 18:48	1
1,1,2-Trichloroethane	ND		4.4		ug/m3			03/21/21 18:48	1
1,1,2-Trichlorotrifluoroethane	ND		6.1		ug/m3			03/21/21 18:48	1
1,1-Dichloroethane	ND		3.2		ug/m3			03/21/21 18:48	1
1,1-Dichloroethene	ND		1.6		ug/m3			03/21/21 18:48	1
1,2,4-Trichlorobenzene	ND	UJ	5.9		ug/m3			03/21/21 18:48	1
1,2,4-Trimethylbenzene	22		3.9		ug/m3			03/21/21 18:48	1
1,2-Dibromoethane	ND		6.1		ug/m3			03/21/21 18:48	1
1,2-Dichlorobenzene	ND		4.8		ug/m3			03/21/21 18:48	1
1,2-Dichloroethane	ND		3.2		ug/m3			03/21/21 18:48	1
1,2-Dichloropropane	ND		3.7		ug/m3			03/21/21 18:48	1
1,2-Dichlorotetrafluoroethane	ND		5.6		ug/m3			03/21/21 18:48	1
1,3,5-Trimethylbenzene	6.0		3.9		ug/m3			03/21/21 18:48	1
1,3-Dichlorobenzene	ND		4.8		ug/m3			03/21/21 18:48	1
1,4-Dichlorobenzene	ND		4.8		ug/m3			03/21/21 18:48	1
1,4-Dioxane	ND		7.2		ug/m3			03/21/21 18:48	1
2,2,4-Trimethylpentane	ND		9.3		ug/m3			03/21/21 18:48	1
2-Butanone	130		9.4		ug/m3			03/21/21 18:48	1
4-Methyl-2-pentanone (MIBK)	ND		8.2		ug/m3			03/21/21 18:48	1
Benzene	4.3		2.6		ug/m3			03/21/21 18:48	1
Benzyl chloride	ND	*+UJ	8.3		ug/m3			03/21/21 18:48	1
Bromodichloromethane	ND		5.4		ug/m3			03/21/21 18:48	1
Bromoform	ND	UJ	8.3		ug/m3			03/21/21 18:48	1
Bromomethane	ND		3.1		ug/m3			03/21/21 18:48	1
Carbon tetrachloride	ND		2.0		ug/m3			03/21/21 18:48	1
Chlorobenzene	ND		3.7		ug/m3			03/21/21 18:48	1
Chloroethane	ND		2.1		ug/m3			03/21/21 18:48	1
Chloroform	ND		3.9		ug/m3			03/21/21 18:48	1
Chloromethane	ND		4.1		ug/m3			03/21/21 18:48	1
cis-1,2-Dichloroethene	ND		1.6		ug/m3			03/21/21 18:48	1
cis-1,3-Dichloropropene	ND		3.6		ug/m3			03/21/21 18:48	1
Cyclohexane	ND		6.9		ug/m3			03/21/21 18:48	1
Dibromochloromethane	ND		6.8		ug/m3			03/21/21 18:48	1
Dichlorodifluoromethane	ND		4.0		ug/m3			03/21/21 18:48	1
Ethanol	110	J	38		ug/m3			03/21/21 18:48	1
Ethylbenzene	110		3.5		ug/m3			03/21/21 18:48	1
Hexachlorobutadiene	ND	UJ	8.5		ug/m3			03/21/21 18:48	1
Hexane	10		7.0		ug/m3			03/21/21 18:48	1
Methyl tert-butyl ether	ND		5.8		ug/m3			03/21/21 18:48	1
Methylene Chloride	120		14		ug/m3			03/21/21 18:48	1
m-Xylene & p-Xylene	410		3.5		ug/m3			03/21/21 18:48	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22339-1

Client Sample ID: 224121-FF-106

Lab Sample ID: 140-22339-12

Date Collected: 03/17/21 08:29

Matrix: Air

Date Received: 03/18/21 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		10		ug/m3			03/21/21 18:48	1
o-Xylene	100		3.5		ug/m3			03/21/21 18:48	1
Styrene	22		3.4		ug/m3			03/21/21 18:48	1
t-Butyl alcohol	ND		9.7		ug/m3			03/21/21 18:48	1
Tetrachloroethene	ND		5.4		ug/m3			03/21/21 18:48	1
Toluene	780	1100 E	4.5		ug/m3			03/21/21 18:48	1
trans-1,2-Dichloroethene	ND		3.2		ug/m3			03/21/21 18:48	1
trans-1,3-Dichloropropene	ND		3.6		ug/m3			03/21/21 18:48	1
Trichloroethene	ND		1.9		ug/m3			03/21/21 18:48	1
Trichlorofluoromethane	ND		4.5		ug/m3			03/21/21 18:48	1
Vinyl chloride	ND		1.0		ug/m3			03/21/21 18:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		60 - 140		03/21/21 18:48	1

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	210	D	6.0		ppb v/v			03/22/21 17:53	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	780	D	23		ug/m3			03/22/21 17:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		60 - 140		03/22/21 17:53	1

Client Sample ID: 224121-OA-106

Lab Sample ID: 140-22339-13

Date Collected: 03/17/21 08:34

Matrix: Air

Date Received: 03/18/21 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.080		ppb v/v			03/21/21 15:00	1
1,1,2,2-Tetrachloroethane	ND		0.080		ppb v/v			03/21/21 15:00	1
1,1,2-Trichloroethane	ND		0.080		ppb v/v			03/21/21 15:00	1
1,1,2-Trichlorotrifluoroethane	ND		0.080		ppb v/v			03/21/21 15:00	1
1,1-Dichloroethane	ND		0.080		ppb v/v			03/21/21 15:00	1
1,1-Dichloroethene	ND		0.040		ppb v/v			03/21/21 15:00	1
1,2,4-Trichlorobenzene	ND		0.080		ppb v/v			03/21/21 15:00	1
1,2,4-Trimethylbenzene	ND		0.080		ppb v/v			03/21/21 15:00	1
1,2-Dibromoethane	ND		0.080		ppb v/v			03/21/21 15:00	1
1,2-Dichlorobenzene	ND		0.080		ppb v/v			03/21/21 15:00	1
1,2-Dichloroethane	ND		0.080		ppb v/v			03/21/21 15:00	1
1,2-Dichloropropane	ND		0.080		ppb v/v			03/21/21 15:00	1
1,2-Dichlorotetrafluoroethane	ND		0.080		ppb v/v			03/21/21 15:00	1
1,3,5-Trimethylbenzene	ND		0.080		ppb v/v			03/21/21 15:00	1
1,3-Dichlorobenzene	ND		0.080		ppb v/v			03/21/21 15:00	1
1,4-Dichlorobenzene	ND		0.080		ppb v/v			03/21/21 15:00	1
1,4-Dioxane	ND		0.20		ppb v/v			03/21/21 15:00	1
2,2,4-Trimethylpentane	ND		0.20		ppb v/v			03/21/21 15:00	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22339-1

Client Sample ID: 224121-OA-106

Lab Sample ID: 140-22339-13

Date Collected: 03/17/21 08:34

Matrix: Air

Date Received: 03/18/21 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone	ND		0.32		ppb v/v			03/21/21 15:00	1
4-Methyl-2-pentanone (MIBK)	ND		0.20		ppb v/v			03/21/21 15:00	1
Benzene	0.27		0.080		ppb v/v			03/21/21 15:00	1
Benzyl chloride	ND	*+	0.16		ppb v/v			03/21/21 15:00	1
Bromodichloromethane	ND		0.080		ppb v/v			03/21/21 15:00	1
Bromoform	ND		0.080		ppb v/v			03/21/21 15:00	1
Bromomethane	ND		0.080		ppb v/v			03/21/21 15:00	1
Carbon tetrachloride	0.076		0.032		ppb v/v			03/21/21 15:00	1
Chlorobenzene	ND		0.080		ppb v/v			03/21/21 15:00	1
Chloroethane	ND		0.080		ppb v/v			03/21/21 15:00	1
Chloroform	ND		0.080		ppb v/v			03/21/21 15:00	1
Chloromethane	0.60		0.20		ppb v/v			03/21/21 15:00	1
cis-1,2-Dichloroethene	ND		0.040		ppb v/v			03/21/21 15:00	1
cis-1,3-Dichloropropene	ND		0.080		ppb v/v			03/21/21 15:00	1
Cyclohexane	ND		0.20		ppb v/v			03/21/21 15:00	1
Dibromochloromethane	ND		0.080		ppb v/v			03/21/21 15:00	1
Dichlorodifluoromethane	0.26		0.080		ppb v/v			03/21/21 15:00	1
Ethanol	9.2		2.0		ppb v/v			03/21/21 15:00	1
Ethylbenzene	0.19		0.080		ppb v/v			03/21/21 15:00	1
Hexachlorobutadiene	ND		0.080		ppb v/v			03/21/21 15:00	1
Hexane	0.20		0.20		ppb v/v			03/21/21 15:00	1
Methyl tert-butyl ether	ND		0.16		ppb v/v			03/21/21 15:00	1
Methylene Chloride	2.2		0.40		ppb v/v			03/21/21 15:00	1
m-Xylene & p-Xylene	0.79		0.080		ppb v/v			03/21/21 15:00	1
Naphthalene	ND		0.20		ppb v/v			03/21/21 15:00	1
o-Xylene	0.21		0.080		ppb v/v			03/21/21 15:00	1
Styrene	ND		0.080		ppb v/v			03/21/21 15:00	1
t-Butyl alcohol	ND		0.32		ppb v/v			03/21/21 15:00	1
Tetrachloroethene	ND		0.080		ppb v/v			03/21/21 15:00	1
Toluene	1.1		0.12		ppb v/v			03/21/21 15:00	1
trans-1,2-Dichloroethene	ND		0.080		ppb v/v			03/21/21 15:00	1
trans-1,3-Dichloropropene	ND		0.080		ppb v/v			03/21/21 15:00	1
Trichloroethene	ND		0.036		ppb v/v			03/21/21 15:00	1
Trichlorofluoromethane	0.24		0.080		ppb v/v			03/21/21 15:00	1
Vinyl chloride	ND		0.040		ppb v/v			03/21/21 15:00	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.44		ug/m3			03/21/21 15:00	1
1,1,2,2-Tetrachloroethane	ND		0.55		ug/m3			03/21/21 15:00	1
1,1,2-Trichloroethane	ND		0.44		ug/m3			03/21/21 15:00	1
1,1,2-Trichlorotrifluoroethane	ND		0.61		ug/m3			03/21/21 15:00	1
1,1-Dichloroethane	ND		0.32		ug/m3			03/21/21 15:00	1
1,1-Dichloroethene	ND		0.16		ug/m3			03/21/21 15:00	1
1,2,4-Trichlorobenzene	ND	UJ	0.59		ug/m3			03/21/21 15:00	1
1,2,4-Trimethylbenzene	ND		0.39		ug/m3			03/21/21 15:00	1
1,2-Dibromoethane	ND		0.61		ug/m3			03/21/21 15:00	1
1,2-Dichlorobenzene	ND		0.48		ug/m3			03/21/21 15:00	1
1,2-Dichloroethane	ND		0.32		ug/m3			03/21/21 15:00	1
1,2-Dichloropropane	ND		0.37		ug/m3			03/21/21 15:00	1

ALH 4/8/21

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22339-1

Client Sample ID: 224121-OA-106

Lab Sample ID: 140-22339-13

Date Collected: 03/17/21 08:34

Matrix: Air

Date Received: 03/18/21 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorotetrafluoroethane	ND		0.56		ug/m3			03/21/21 15:00	1
1,3,5-Trimethylbenzene	ND		0.39		ug/m3			03/21/21 15:00	1
1,3-Dichlorobenzene	ND		0.48		ug/m3			03/21/21 15:00	1
1,4-Dichlorobenzene	ND		0.48		ug/m3			03/21/21 15:00	1
1,4-Dioxane	ND		0.72		ug/m3			03/21/21 15:00	1
2,2,4-Trimethylpentane	ND		0.93		ug/m3			03/21/21 15:00	1
2-Butanone	ND		0.94		ug/m3			03/21/21 15:00	1
4-Methyl-2-pentanone (MIBK)	ND		0.82		ug/m3			03/21/21 15:00	1
Benzene	0.87		0.26		ug/m3			03/21/21 15:00	1
Benzyl chloride	ND	*+ UJ	0.83		ug/m3			03/21/21 15:00	1
Bromodichloromethane	ND		0.54		ug/m3			03/21/21 15:00	1
Bromoform	ND	UJ	0.83		ug/m3			03/21/21 15:00	1
Bromomethane	ND		0.31		ug/m3			03/21/21 15:00	1
Carbon tetrachloride	0.48		0.20		ug/m3			03/21/21 15:00	1
Chlorobenzene	ND		0.37		ug/m3			03/21/21 15:00	1
Chloroethane	ND		0.21		ug/m3			03/21/21 15:00	1
Chloroform	ND		0.39		ug/m3			03/21/21 15:00	1
Chloromethane	1.2		0.41		ug/m3			03/21/21 15:00	1
cis-1,2-Dichloroethene	ND		0.16		ug/m3			03/21/21 15:00	1
cis-1,3-Dichloropropene	ND		0.36		ug/m3			03/21/21 15:00	1
Cyclohexane	ND		0.69		ug/m3			03/21/21 15:00	1
Dibromochloromethane	ND		0.68		ug/m3			03/21/21 15:00	1
Dichlorodifluoromethane	1.3		0.40		ug/m3			03/21/21 15:00	1
Ethanol	17	J	3.8		ug/m3			03/21/21 15:00	1
Ethylbenzene	0.81		0.35		ug/m3			03/21/21 15:00	1
Hexachlorobutadiene	ND	UJ	0.85		ug/m3			03/21/21 15:00	1
Hexane	0.69		0.70		ug/m3			03/21/21 15:00	1
Methyl tert-butyl ether	ND		0.58		ug/m3			03/21/21 15:00	1
Methylene Chloride	7.6		1.4		ug/m3			03/21/21 15:00	1
m-Xylene & p-Xylene	3.4		0.35		ug/m3			03/21/21 15:00	1
Naphthalene	ND		1.0		ug/m3			03/21/21 15:00	1
o-Xylene	0.93		0.35		ug/m3			03/21/21 15:00	1
Styrene	ND		0.34		ug/m3			03/21/21 15:00	1
t-Butyl alcohol	ND		0.97		ug/m3			03/21/21 15:00	1
Tetrachloroethene	ND		0.54		ug/m3			03/21/21 15:00	1
Toluene	4.2		0.45		ug/m3			03/21/21 15:00	1
trans-1,2-Dichloroethene	ND		0.32		ug/m3			03/21/21 15:00	1
trans-1,3-Dichloropropene	ND		0.36		ug/m3			03/21/21 15:00	1
Trichloroethene	ND		0.19		ug/m3			03/21/21 15:00	1
Trichlorofluoromethane	1.3		0.45		ug/m3			03/21/21 15:00	1
Vinyl chloride	ND		0.10		ug/m3			03/21/21 15:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		60 - 140					03/21/21 15:00	1

Client Sample Results

Client: New York State D.E.C.
 Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22339-1

Client Sample ID: 224121-SSA-107

Lab Sample ID: 140-22339-14

Date Collected: 03/17/21 09:03

Matrix: Air

Date Received: 03/18/21 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		62		ppb v/v			03/21/21 17:15	31.21
1,1,2,2-Tetrachloroethane	ND		62		ppb v/v			03/21/21 17:15	31.21
1,1,2-Trichloroethane	ND		62		ppb v/v			03/21/21 17:15	31.21
1,1,2-Trichlorotrifluoroethane	ND		62		ppb v/v			03/21/21 17:15	31.21
1,1-Dichloroethane	ND		62		ppb v/v			03/21/21 17:15	31.21
1,1-Dichloroethene	ND		31		ppb v/v			03/21/21 17:15	31.21
1,2,4-Trichlorobenzene	ND		62		ppb v/v			03/21/21 17:15	31.21
1,2,4-Trimethylbenzene	ND		62		ppb v/v			03/21/21 17:15	31.21
1,2-Dibromoethane	ND		62		ppb v/v			03/21/21 17:15	31.21
1,2-Dichlorobenzene	ND		62		ppb v/v			03/21/21 17:15	31.21
1,2-Dichloroethane	ND		62		ppb v/v			03/21/21 17:15	31.21
1,2-Dichloropropane	ND		62		ppb v/v			03/21/21 17:15	31.21
1,2-Dichlorotetrafluoroethane	ND		62		ppb v/v			03/21/21 17:15	31.21
1,3,5-Trimethylbenzene	ND		62		ppb v/v			03/21/21 17:15	31.21
1,3-Dichlorobenzene	ND		62		ppb v/v			03/21/21 17:15	31.21
1,4-Dichlorobenzene	ND		62		ppb v/v			03/21/21 17:15	31.21
1,4-Dioxane	ND		160		ppb v/v			03/21/21 17:15	31.21
2,2,4-Trimethylpentane	ND		160		ppb v/v			03/21/21 17:15	31.21
2-Butanone	ND		250		ppb v/v			03/21/21 17:15	31.21
4-Methyl-2-pentanone (MIBK)	ND		160		ppb v/v			03/21/21 17:15	31.21
Benzene	ND		62		ppb v/v			03/21/21 17:15	31.21
Benzyl chloride	ND	*+	120		ppb v/v			03/21/21 17:15	31.21
Bromodichloromethane	ND		62		ppb v/v			03/21/21 17:15	31.21
Bromoform	ND		62		ppb v/v			03/21/21 17:15	31.21
Bromomethane	ND		62		ppb v/v			03/21/21 17:15	31.21
Carbon tetrachloride	ND		25		ppb v/v			03/21/21 17:15	31.21
Chlorobenzene	ND		62		ppb v/v			03/21/21 17:15	31.21
Chloroethane	ND		62		ppb v/v			03/21/21 17:15	31.21
Chloroform	ND		62		ppb v/v			03/21/21 17:15	31.21
Chloromethane	ND		160		ppb v/v			03/21/21 17:15	31.21
cis-1,2-Dichloroethene	ND		31		ppb v/v			03/21/21 17:15	31.21
cis-1,3-Dichloropropene	ND		62		ppb v/v			03/21/21 17:15	31.21
Cyclohexane	ND		160		ppb v/v			03/21/21 17:15	31.21
Dibromochloromethane	ND		62		ppb v/v			03/21/21 17:15	31.21
Dichlorodifluoromethane	ND		62		ppb v/v			03/21/21 17:15	31.21
Ethanol	ND		1600		ppb v/v			03/21/21 17:15	31.21
Ethylbenzene	ND		62		ppb v/v			03/21/21 17:15	31.21
Hexachlorobutadiene	ND		62		ppb v/v			03/21/21 17:15	31.21
Hexane	ND		160		ppb v/v			03/21/21 17:15	31.21
Methyl tert-butyl ether	ND		120		ppb v/v			03/21/21 17:15	31.21
Methylene Chloride	ND		310		ppb v/v			03/21/21 17:15	31.21
m-Xylene & p-Xylene	ND		62		ppb v/v			03/21/21 17:15	31.21
Naphthalene	ND		160		ppb v/v			03/21/21 17:15	31.21
o-Xylene	ND		62		ppb v/v			03/21/21 17:15	31.21
Styrene	ND		62		ppb v/v			03/21/21 17:15	31.21
t-Butyl alcohol	ND		250		ppb v/v			03/21/21 17:15	31.21
Tetrachloroethene	ND		62		ppb v/v			03/21/21 17:15	31.21
Toluene	ND		94		ppb v/v			03/21/21 17:15	31.21

Client Sample Results

Client: New York State D.E.C.
 Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22339-1

Client Sample ID: 224121-SSA-107

Lab Sample ID: 140-22339-14

Date Collected: 03/17/21 09:03

Matrix: Air

Date Received: 03/18/21 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		62		ppb v/v			03/21/21 17:15	31.21
trans-1,3-Dichloropropene	ND		62		ppb v/v			03/21/21 17:15	31.21
Trichloroethene	5400		28		ppb v/v			03/21/21 17:15	31.21
Trichlorofluoromethane	ND		62		ppb v/v			03/21/21 17:15	31.21
Vinyl chloride	ND		31		ppb v/v			03/21/21 17:15	31.21
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		340		ug/m3			03/21/21 17:15	31.21
1,1,2,2-Tetrachloroethane	ND		430		ug/m3			03/21/21 17:15	31.21
1,1,2-Trichloroethane	ND		340		ug/m3			03/21/21 17:15	31.21
1,1,2-Trichlorotrifluoroethane	ND		480		ug/m3			03/21/21 17:15	31.21
1,1-Dichloroethane	ND		250		ug/m3			03/21/21 17:15	31.21
1,1-Dichloroethene	ND		120		ug/m3			03/21/21 17:15	31.21
1,2,4-Trichlorobenzene	ND	UJ	460		ug/m3			03/21/21 17:15	31.21
1,2,4-Trimethylbenzene	ND		310		ug/m3			03/21/21 17:15	31.21
1,2-Dibromoethane	ND		480		ug/m3			03/21/21 17:15	31.21
1,2-Dichlorobenzene	ND		380		ug/m3			03/21/21 17:15	31.21
1,2-Dichloroethane	ND		250		ug/m3			03/21/21 17:15	31.21
1,2-Dichloropropane	ND		290		ug/m3			03/21/21 17:15	31.21
1,2-Dichlorotetrafluoroethane	ND		440		ug/m3			03/21/21 17:15	31.21
1,3,5-Trimethylbenzene	ND		310		ug/m3			03/21/21 17:15	31.21
1,3-Dichlorobenzene	ND		380		ug/m3			03/21/21 17:15	31.21
1,4-Dichlorobenzene	ND		380		ug/m3			03/21/21 17:15	31.21
1,4-Dioxane	ND		560		ug/m3			03/21/21 17:15	31.21
2,2,4-Trimethylpentane	ND		730		ug/m3			03/21/21 17:15	31.21
2-Butanone	ND		740		ug/m3			03/21/21 17:15	31.21
4-Methyl-2-pentanone (MIBK)	ND		640		ug/m3			03/21/21 17:15	31.21
Benzene	ND		200		ug/m3			03/21/21 17:15	31.21
Benzyl chloride	ND	*+ UJ	650		ug/m3			03/21/21 17:15	31.21
Bromodichloromethane	ND		420		ug/m3			03/21/21 17:15	31.21
Bromoform	ND	UJ	650		ug/m3			03/21/21 17:15	31.21
Bromomethane	ND		240		ug/m3			03/21/21 17:15	31.21
Carbon tetrachloride	ND		160		ug/m3			03/21/21 17:15	31.21
Chlorobenzene	ND		290		ug/m3			03/21/21 17:15	31.21
Chloroethane	ND		160		ug/m3			03/21/21 17:15	31.21
Chloroform	ND		300		ug/m3			03/21/21 17:15	31.21
Chloromethane	ND		320		ug/m3			03/21/21 17:15	31.21
cis-1,2-Dichloroethene	ND		120		ug/m3			03/21/21 17:15	31.21
cis-1,3-Dichloropropene	ND		280		ug/m3			03/21/21 17:15	31.21
Cyclohexane	ND		540		ug/m3			03/21/21 17:15	31.21
Dibromochloromethane	ND		530		ug/m3			03/21/21 17:15	31.21
Dichlorodifluoromethane	ND		310		ug/m3			03/21/21 17:15	31.21
Ethanol	ND	UJ	2900		ug/m3			03/21/21 17:15	31.21
Ethylbenzene	ND		270		ug/m3			03/21/21 17:15	31.21
Hexachlorobutadiene	ND	UJ	670		ug/m3			03/21/21 17:15	31.21
Hexane	ND		550		ug/m3			03/21/21 17:15	31.21
Methyl tert-butyl ether	ND		450		ug/m3			03/21/21 17:15	31.21
Methylene Chloride	ND		1100		ug/m3			03/21/21 17:15	31.21
m-Xylene & p-Xylene	ND		270		ug/m3			03/21/21 17:15	31.21

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22339-1

Client Sample ID: 224121-SSA-107

Lab Sample ID: 140-22339-14

Date Collected: 03/17/21 09:03

Matrix: Air

Date Received: 03/18/21 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		820		ug/m3			03/21/21 17:15	31.21
o-Xylene	ND		270		ug/m3			03/21/21 17:15	31.21
Styrene	ND		270		ug/m3			03/21/21 17:15	31.21
t-Butyl alcohol	ND		760		ug/m3			03/21/21 17:15	31.21
Tetrachloroethene	ND		420		ug/m3			03/21/21 17:15	31.21
Toluene	ND		350		ug/m3			03/21/21 17:15	31.21
trans-1,2-Dichloroethene	ND		250		ug/m3			03/21/21 17:15	31.21
trans-1,3-Dichloropropene	ND		280		ug/m3			03/21/21 17:15	31.21
Trichloroethene	29000		150		ug/m3			03/21/21 17:15	31.21
Trichlorofluoromethane	ND		350		ug/m3			03/21/21 17:15	31.21
Vinyl chloride	ND		80		ug/m3			03/21/21 17:15	31.21

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		60 - 140		03/21/21 17:15	31.21

Client Sample ID: 224121-IAA-107

Lab Sample ID: 140-22339-15

Date Collected: 03/17/21 09:04

Matrix: Air

Date Received: 03/18/21 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.40		ppb v/v			03/22/21 18:41	1
1,1,2,2-Tetrachloroethane	ND		0.40		ppb v/v			03/22/21 18:41	1
1,1,2-Trichloroethane	ND		0.40		ppb v/v			03/22/21 18:41	1
1,1,2-Trichlorotrifluoroethane	ND		0.40		ppb v/v			03/22/21 18:41	1
1,1-Dichloroethane	ND		0.40		ppb v/v			03/22/21 18:41	1
1,1-Dichloroethene	ND		0.20		ppb v/v			03/22/21 18:41	1
1,2,4-Trichlorobenzene	ND	UJ	0.40		ppb v/v			03/22/21 18:41	1
1,2,4-Trimethylbenzene	ND		0.40		ppb v/v			03/22/21 18:41	1
1,2-Dibromoethane	ND		0.40		ppb v/v			03/22/21 18:41	1
1,2-Dichlorobenzene	ND		0.40		ppb v/v			03/22/21 18:41	1
1,2-Dichloroethane	ND		0.40		ppb v/v			03/22/21 18:41	1
1,2-Dichloropropane	ND		0.40		ppb v/v			03/22/21 18:41	1
1,2-Dichlorotetrafluoroethane	ND		0.40		ppb v/v			03/22/21 18:41	1
1,3,5-Trimethylbenzene	ND		0.40		ppb v/v			03/22/21 18:41	1
1,3-Dichlorobenzene	ND		0.40		ppb v/v			03/22/21 18:41	1
1,4-Dichlorobenzene	ND		0.40		ppb v/v			03/22/21 18:41	1
1,4-Dioxane	ND		1.0		ppb v/v			03/22/21 18:41	1
2,2,4-Trimethylpentane	ND		1.0		ppb v/v			03/22/21 18:41	1
2-Butanone	ND		1.6		ppb v/v			03/22/21 18:41	1
4-Methyl-2-pentanone (MIBK)	ND		1.0		ppb v/v			03/22/21 18:41	1
Benzene	0.50		0.40		ppb v/v			03/22/21 18:41	1
Benzyl chloride	ND		0.80		ppb v/v			03/22/21 18:41	1
Bromodichloromethane	ND		0.40		ppb v/v			03/22/21 18:41	1
Bromoform	ND		0.40		ppb v/v			03/22/21 18:41	1
Bromomethane	ND		0.40		ppb v/v			03/22/21 18:41	1
Carbon tetrachloride	ND		0.16		ppb v/v			03/22/21 18:41	1
Chlorobenzene	ND		0.40		ppb v/v			03/22/21 18:41	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22339-1

Client Sample ID: 224121-IAA-107

Lab Sample ID: 140-22339-15

Date Collected: 03/17/21 09:04

Matrix: Air

Date Received: 03/18/21 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	ND		0.40		ppb v/v			03/22/21 18:41	1
Chloroform	ND		0.40		ppb v/v			03/22/21 18:41	1
Chloromethane	1.6		1.0		ppb v/v			03/22/21 18:41	1
cis-1,2-Dichloroethene	ND		0.20		ppb v/v			03/22/21 18:41	1
cis-1,3-Dichloropropene	ND		0.40		ppb v/v			03/22/21 18:41	1
Cyclohexane	ND		1.0		ppb v/v			03/22/21 18:41	1
Dibromochloromethane	ND		0.40		ppb v/v			03/22/21 18:41	1
Dichlorodifluoromethane	0.40		0.40		ppb v/v			03/22/21 18:41	1
Ethanol	210		10		ppb v/v			03/22/21 18:41	1
Ethylbenzene	0.43		0.40		ppb v/v			03/22/21 18:41	1
Hexachlorobutadiene	ND	UJ	0.40		ppb v/v			03/22/21 18:41	1
Hexane	ND		1.0		ppb v/v			03/22/21 18:41	1
Methyl tert-butyl ether	ND		0.80		ppb v/v			03/22/21 18:41	1
Methylene Chloride	4.3		2.0		ppb v/v			03/22/21 18:41	1
m-Xylene & p-Xylene	1.4		0.40		ppb v/v			03/22/21 18:41	1
Naphthalene	ND	UJ	1.0		ppb v/v			03/22/21 18:41	1
o-Xylene	0.49		0.40		ppb v/v			03/22/21 18:41	1
Styrene	ND		0.40		ppb v/v			03/22/21 18:41	1
t-Butyl alcohol	ND		1.6		ppb v/v			03/22/21 18:41	1
Tetrachloroethene	ND		0.40		ppb v/v			03/22/21 18:41	1
Toluene	3.3		0.60		ppb v/v			03/22/21 18:41	1
trans-1,2-Dichloroethene	ND		0.40		ppb v/v			03/22/21 18:41	1
trans-1,3-Dichloropropene	ND		0.40		ppb v/v			03/22/21 18:41	1
Trichloroethene	1.3		0.18		ppb v/v			03/22/21 18:41	1
Trichlorofluoromethane	0.44		0.40		ppb v/v			03/22/21 18:41	1
Vinyl chloride	ND		0.20		ppb v/v			03/22/21 18:41	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.2		ug/m3			03/22/21 18:41	1
1,1,2,2-Tetrachloroethane	ND		2.7		ug/m3			03/22/21 18:41	1
1,1,2-Trichloroethane	ND		2.2		ug/m3			03/22/21 18:41	1
1,1,2-Trichlorotrifluoroethane	ND		3.1		ug/m3			03/22/21 18:41	1
1,1-Dichloroethane	ND		1.6		ug/m3			03/22/21 18:41	1
1,1-Dichloroethene	ND		0.79		ug/m3			03/22/21 18:41	1
1,2,4-Trichlorobenzene	ND		3.0		ug/m3			03/22/21 18:41	1
1,2,4-Trimethylbenzene	ND		2.0		ug/m3			03/22/21 18:41	1
1,2-Dibromoethane	ND		3.1		ug/m3			03/22/21 18:41	1
1,2-Dichlorobenzene	ND		2.4		ug/m3			03/22/21 18:41	1
1,2-Dichloroethane	ND		1.6		ug/m3			03/22/21 18:41	1
1,2-Dichloropropane	ND		1.8		ug/m3			03/22/21 18:41	1
1,2-Dichlorotetrafluoroethane	ND		2.8		ug/m3			03/22/21 18:41	1
1,3,5-Trimethylbenzene	ND		2.0		ug/m3			03/22/21 18:41	1
1,3-Dichlorobenzene	ND		2.4		ug/m3			03/22/21 18:41	1
1,4-Dichlorobenzene	ND		2.4		ug/m3			03/22/21 18:41	1
1,4-Dioxane	ND		3.6		ug/m3			03/22/21 18:41	1
2,2,4-Trimethylpentane	ND		4.7		ug/m3			03/22/21 18:41	1
2-Butanone	ND		4.7		ug/m3			03/22/21 18:41	1
4-Methyl-2-pentanone (MIBK)	ND		4.1		ug/m3			03/22/21 18:41	1
Benzene	1.6		1.3		ug/m3			03/22/21 18:41	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22339-1

Client Sample ID: 224121-IAA-107

Lab Sample ID: 140-22339-15

Date Collected: 03/17/21 09:04

Matrix: Air

Date Received: 03/18/21 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzyl chloride	ND		4.1		ug/m3			03/22/21 18:41	1
Bromodichloromethane	ND		2.7		ug/m3			03/22/21 18:41	1
Bromoform	ND		4.1		ug/m3			03/22/21 18:41	1
Bromomethane	ND		1.6		ug/m3			03/22/21 18:41	1
Carbon tetrachloride	ND		1.0		ug/m3			03/22/21 18:41	1
Chlorobenzene	ND		1.8		ug/m3			03/22/21 18:41	1
Chloroethane	ND		1.1		ug/m3			03/22/21 18:41	1
Chloroform	ND		2.0		ug/m3			03/22/21 18:41	1
Chloromethane	3.3		2.1		ug/m3			03/22/21 18:41	1
cis-1,2-Dichloroethene	ND		0.79		ug/m3			03/22/21 18:41	1
cis-1,3-Dichloropropene	ND		1.8		ug/m3			03/22/21 18:41	1
Cyclohexane	ND		3.4		ug/m3			03/22/21 18:41	1
Dibromochloromethane	ND		3.4		ug/m3			03/22/21 18:41	1
Dichlorodifluoromethane	2.0		2.0		ug/m3			03/22/21 18:41	1
Ethanol	400		19		ug/m3			03/22/21 18:41	1
Ethylbenzene	1.9		1.7		ug/m3			03/22/21 18:41	1
Hexachlorobutadiene	ND		4.3		ug/m3			03/22/21 18:41	1
Hexane	ND		3.5		ug/m3			03/22/21 18:41	1
Methyl tert-butyl ether	ND		2.9		ug/m3			03/22/21 18:41	1
Methylene Chloride	15		6.9		ug/m3			03/22/21 18:41	1
m-Xylene & p-Xylene	6.2		1.7		ug/m3			03/22/21 18:41	1
Naphthalene	ND		5.2		ug/m3			03/22/21 18:41	1
o-Xylene	2.1		1.7		ug/m3			03/22/21 18:41	1
Styrene	ND		1.7		ug/m3			03/22/21 18:41	1
t-Butyl alcohol	ND		4.9		ug/m3			03/22/21 18:41	1
Tetrachloroethene	ND		2.7		ug/m3			03/22/21 18:41	1
Toluene	13		2.3		ug/m3			03/22/21 18:41	1
trans-1,2-Dichloroethene	ND		1.6		ug/m3			03/22/21 18:41	1
trans-1,3-Dichloropropene	ND		1.8		ug/m3			03/22/21 18:41	1
Trichloroethene	7.1		0.97		ug/m3			03/22/21 18:41	1
Trichlorofluoromethane	2.5		2.2		ug/m3			03/22/21 18:41	1
Vinyl chloride	ND		0.51		ug/m3			03/22/21 18:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		60 - 140		03/22/21 18:41	1

Client Sample ID: 224121-SSB-107

Lab Sample ID: 140-22339-16

Date Collected: 03/17/21 09:14

Matrix: Air

Date Received: 03/18/21 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.80		ppb v/v			03/21/21 19:35	1
1,1,2,2-Tetrachloroethane	ND		0.80		ppb v/v			03/21/21 19:35	1
1,1,2-Trichloroethane	ND		0.80		ppb v/v			03/21/21 19:35	1
1,1,2-Trichlorotrifluoroethane	ND		0.80		ppb v/v			03/21/21 19:35	1
1,1-Dichloroethane	0.97		0.80		ppb v/v			03/21/21 19:35	1
1,1-Dichloroethene	ND		0.40		ppb v/v			03/21/21 19:35	1

Eurofins TestAmerica, Knoxville

Client Sample Results

Client: New York State D.E.C.
 Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22339-1

Client Sample ID: 224121-SSB-107

Lab Sample ID: 140-22339-16

Date Collected: 03/17/21 09:14

Matrix: Air

Date Received: 03/18/21 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.80		ppb v/v			03/21/21 19:35	1
1,2,4-Trimethylbenzene	ND		0.80		ppb v/v			03/21/21 19:35	1
1,2-Dibromoethane	ND		0.80		ppb v/v			03/21/21 19:35	1
1,2-Dichlorobenzene	ND		0.80		ppb v/v			03/21/21 19:35	1
1,2-Dichloroethane	3.8		0.80		ppb v/v			03/21/21 19:35	1
1,2-Dichloropropane	ND		0.80		ppb v/v			03/21/21 19:35	1
1,2-Dichlorotetrafluoroethane	ND		0.80		ppb v/v			03/21/21 19:35	1
1,3,5-Trimethylbenzene	ND		0.80		ppb v/v			03/21/21 19:35	1
1,3-Dichlorobenzene	ND		0.80		ppb v/v			03/21/21 19:35	1
1,4-Dichlorobenzene	ND		0.80		ppb v/v			03/21/21 19:35	1
1,4-Dioxane	ND		2.0		ppb v/v			03/21/21 19:35	1
2,2,4-Trimethylpentane	ND		2.0		ppb v/v			03/21/21 19:35	1
2-Butanone	ND		3.2		ppb v/v			03/21/21 19:35	1
4-Methyl-2-pentanone (MIBK)	ND		2.0		ppb v/v			03/21/21 19:35	1
Benzene	ND		0.80		ppb v/v			03/21/21 19:35	1
Benzyl chloride	ND	*+	1.6		ppb v/v			03/21/21 19:35	1
Bromodichloromethane	ND		0.80		ppb v/v			03/21/21 19:35	1
Bromoform	ND		0.80		ppb v/v			03/21/21 19:35	1
Bromomethane	ND		0.80		ppb v/v			03/21/21 19:35	1
Carbon tetrachloride	ND		0.32		ppb v/v			03/21/21 19:35	1
Chlorobenzene	ND		0.80		ppb v/v			03/21/21 19:35	1
Chloroethane	2.3		0.80		ppb v/v			03/21/21 19:35	1
Chloroform	ND		0.80		ppb v/v			03/21/21 19:35	1
Chloromethane	ND		2.0		ppb v/v			03/21/21 19:35	1
cis-1,2-Dichloroethene	ND		0.40		ppb v/v			03/21/21 19:35	1
cis-1,3-Dichloropropene	ND		0.80		ppb v/v			03/21/21 19:35	1
Cyclohexane	ND		2.0		ppb v/v			03/21/21 19:35	1
Dibromochloromethane	ND		0.80		ppb v/v			03/21/21 19:35	1
Dichlorodifluoromethane	ND		0.80		ppb v/v			03/21/21 19:35	1
Ethanol	68		20		ppb v/v			03/21/21 19:35	1
Ethylbenzene	ND		0.80		ppb v/v			03/21/21 19:35	1
Hexachlorobutadiene	ND		0.80		ppb v/v			03/21/21 19:35	1
Hexane	ND		2.0		ppb v/v			03/21/21 19:35	1
Methyl tert-butyl ether	ND		1.6		ppb v/v			03/21/21 19:35	1
Methylene Chloride	ND		4.0		ppb v/v			03/21/21 19:35	1
m-Xylene & p-Xylene	ND		0.80		ppb v/v			03/21/21 19:35	1
Naphthalene	ND		2.0		ppb v/v			03/21/21 19:35	1
o-Xylene	ND		0.80		ppb v/v			03/21/21 19:35	1
Styrene	ND		0.80		ppb v/v			03/21/21 19:35	1
t-Butyl alcohol	ND		3.2		ppb v/v			03/21/21 19:35	1
Tetrachloroethene	3.3		0.80		ppb v/v			03/21/21 19:35	1
Toluene	ND		1.2		ppb v/v			03/21/21 19:35	1
trans-1,2-Dichloroethene	ND		0.80		ppb v/v			03/21/21 19:35	1
trans-1,3-Dichloropropene	ND		0.80		ppb v/v			03/21/21 19:35	1
Trichloroethene	84		0.36		ppb v/v			03/21/21 19:35	1
Trichlorofluoromethane	ND		0.80		ppb v/v			03/21/21 19:35	1
Vinyl chloride	1.8		0.40		ppb v/v			03/21/21 19:35	1

Client Sample Results

Client: New York State D.E.C.
 Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22339-1

Client Sample ID: 224121-SSB-107

Lab Sample ID: 140-22339-16

Date Collected: 03/17/21 09:14

Matrix: Air

Date Received: 03/18/21 09:45

Sample Container: Summa Canister 6L

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.4		ug/m3			03/21/21 19:35	1
1,1,2,2-Tetrachloroethane	ND		5.5		ug/m3			03/21/21 19:35	1
1,1,2-Trichloroethane	ND		4.4		ug/m3			03/21/21 19:35	1
1,1,2-Trichlorotrifluoroethane	ND		6.1		ug/m3			03/21/21 19:35	1
1,1-Dichloroethane	3.9		3.2		ug/m3			03/21/21 19:35	1
1,1-Dichloroethene	ND		1.6		ug/m3			03/21/21 19:35	1
1,2,4-Trichlorobenzene	ND	UJ	5.9		ug/m3			03/21/21 19:35	1
1,2,4-Trimethylbenzene	ND		3.9		ug/m3			03/21/21 19:35	1
1,2-Dibromoethane	ND		6.1		ug/m3			03/21/21 19:35	1
1,2-Dichlorobenzene	ND		4.8		ug/m3			03/21/21 19:35	1
1,2-Dichloroethane	15		3.2		ug/m3			03/21/21 19:35	1
1,2-Dichloropropane	ND		3.7		ug/m3			03/21/21 19:35	1
1,2-Dichlorotetrafluoroethane	ND		5.6		ug/m3			03/21/21 19:35	1
1,3,5-Trimethylbenzene	ND		3.9		ug/m3			03/21/21 19:35	1
1,3-Dichlorobenzene	ND		4.8		ug/m3			03/21/21 19:35	1
1,4-Dichlorobenzene	ND		4.8		ug/m3			03/21/21 19:35	1
1,4-Dioxane	ND		7.2		ug/m3			03/21/21 19:35	1
2,2,4-Trimethylpentane	ND		9.3		ug/m3			03/21/21 19:35	1
2-Butanone	ND		9.4		ug/m3			03/21/21 19:35	1
4-Methyl-2-pentanone (MIBK)	ND		8.2		ug/m3			03/21/21 19:35	1
Benzene	ND		2.6		ug/m3			03/21/21 19:35	1
Benzyl chloride	ND	*+ UJ	8.3		ug/m3			03/21/21 19:35	1
Bromodichloromethane	ND		5.4		ug/m3			03/21/21 19:35	1
Bromoform	ND	UJ	8.3		ug/m3			03/21/21 19:35	1
Bromomethane	ND		3.1		ug/m3			03/21/21 19:35	1
Carbon tetrachloride	ND		2.0		ug/m3			03/21/21 19:35	1
Chlorobenzene	ND		3.7		ug/m3			03/21/21 19:35	1
Chloroethane	6.1		2.1		ug/m3			03/21/21 19:35	1
Chloroform	ND		3.9		ug/m3			03/21/21 19:35	1
Chloromethane	ND		4.1		ug/m3			03/21/21 19:35	1
cis-1,2-Dichloroethene	ND		1.6		ug/m3			03/21/21 19:35	1
cis-1,3-Dichloropropene	ND		3.6		ug/m3			03/21/21 19:35	1
Cyclohexane	ND		6.9		ug/m3			03/21/21 19:35	1
Dibromochloromethane	ND		6.8		ug/m3			03/21/21 19:35	1
Dichlorodifluoromethane	ND		4.0		ug/m3			03/21/21 19:35	1
Ethanol	130	J	38		ug/m3			03/21/21 19:35	1
Ethylbenzene	ND		3.5		ug/m3			03/21/21 19:35	1
Hexachlorobutadiene	ND	UJ	8.5		ug/m3			03/21/21 19:35	1
Hexane	ND		7.0		ug/m3			03/21/21 19:35	1
Methyl tert-butyl ether	ND		5.8		ug/m3			03/21/21 19:35	1
Methylene Chloride	ND		14		ug/m3			03/21/21 19:35	1
m-Xylene & p-Xylene	ND		3.5		ug/m3			03/21/21 19:35	1
Naphthalene	ND		10		ug/m3			03/21/21 19:35	1
o-Xylene	ND		3.5		ug/m3			03/21/21 19:35	1
Styrene	ND		3.4		ug/m3			03/21/21 19:35	1
t-Butyl alcohol	ND		9.7		ug/m3			03/21/21 19:35	1
Tetrachloroethene	22		5.4		ug/m3			03/21/21 19:35	1
Toluene	ND		4.5		ug/m3			03/21/21 19:35	1
trans-1,2-Dichloroethene	ND		3.2		ug/m3			03/21/21 19:35	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22339-1

Client Sample ID: 224121-SSB-107

Lab Sample ID: 140-22339-16

Date Collected: 03/17/21 09:14

Matrix: Air

Date Received: 03/18/21 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	ND		3.6		ug/m3			03/21/21 19:35	1
Trichloroethene	450		1.9		ug/m3			03/21/21 19:35	1
Trichlorofluoromethane	ND		4.5		ug/m3			03/21/21 19:35	1
Vinyl chloride	4.7		1.0		ug/m3			03/21/21 19:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		60 - 140					03/21/21 19:35	1

Client Sample ID: 224121-IAB-107

Lab Sample ID: 140-22339-17

Date Collected: 03/17/21 09:13

Matrix: Air

Date Received: 03/18/21 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.080		ppb v/v			03/22/21 07:42	1
1,1,2,2-Tetrachloroethane	ND		0.080		ppb v/v			03/22/21 07:42	1
1,1,2-Trichloroethane	ND		0.080		ppb v/v			03/22/21 07:42	1
1,1,2-Trichlorotrifluoroethane	ND		0.080		ppb v/v			03/22/21 07:42	1
1,1-Dichloroethane	ND		0.080		ppb v/v			03/22/21 07:42	1
1,1-Dichloroethene	ND		0.040		ppb v/v			03/22/21 07:42	1
1,2,4-Trichlorobenzene	ND		0.080		ppb v/v			03/22/21 07:42	1
1,2,4-Trimethylbenzene	ND		0.080		ppb v/v			03/22/21 07:42	1
1,2-Dibromoethane	ND		0.080		ppb v/v			03/22/21 07:42	1
1,2-Dichlorobenzene	ND		0.080		ppb v/v			03/22/21 07:42	1
1,2-Dichloroethane	ND		0.080		ppb v/v			03/22/21 07:42	1
1,2-Dichloropropane	ND		0.080		ppb v/v			03/22/21 07:42	1
1,2-Dichlorotetrafluoroethane	ND		0.080		ppb v/v			03/22/21 07:42	1
1,3,5-Trimethylbenzene	ND		0.080		ppb v/v			03/22/21 07:42	1
1,3-Dichlorobenzene	ND		0.080		ppb v/v			03/22/21 07:42	1
1,4-Dichlorobenzene	ND		0.080		ppb v/v			03/22/21 07:42	1
1,4-Dioxane	ND		0.20		ppb v/v			03/22/21 07:42	1
2,2,4-Trimethylpentane	ND		0.20		ppb v/v			03/22/21 07:42	1
2-Butanone	ND		0.32		ppb v/v			03/22/21 07:42	1
4-Methyl-2-pentanone (MIBK)	ND		0.20		ppb v/v			03/22/21 07:42	1
Benzene	0.33		0.080		ppb v/v			03/22/21 07:42	1
Benzyl chloride	ND	*+	0.16		ppb v/v			03/22/21 07:42	1
Bromodichloromethane	ND		0.080		ppb v/v			03/22/21 07:42	1
Bromoform	ND		0.080		ppb v/v			03/22/21 07:42	1
Bromomethane	ND		0.080		ppb v/v			03/22/21 07:42	1
Carbon tetrachloride	0.074		0.032		ppb v/v			03/22/21 07:42	1
Chlorobenzene	ND		0.080		ppb v/v			03/22/21 07:42	1
Chloroethane	ND		0.080		ppb v/v			03/22/21 07:42	1
Chloroform	ND		0.080		ppb v/v			03/22/21 07:42	1
Chloromethane	0.48		0.20		ppb v/v			03/22/21 07:42	1
cis-1,2-Dichloroethene	ND		0.040		ppb v/v			03/22/21 07:42	1
cis-1,3-Dichloropropene	ND		0.080		ppb v/v			03/22/21 07:42	1
Cyclohexane	0.21		0.20		ppb v/v			03/22/21 07:42	1
Dibromochloromethane	ND		0.080		ppb v/v			03/22/21 07:42	1

Client Sample Results

Client: New York State D.E.C.
 Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22339-1

Client Sample ID: 224121-IAB-107

Lab Sample ID: 140-22339-17

Date Collected: 03/17/21 09:13

Matrix: Air

Date Received: 03/18/21 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	0.24		0.080		ppb v/v			03/22/21 07:42	1
Ethanol	78		2.0		ppb v/v			03/22/21 07:42	1
Ethylbenzene	0.33		0.080		ppb v/v			03/22/21 07:42	1
Hexachlorobutadiene	ND		0.080		ppb v/v			03/22/21 07:42	1
Hexane	0.54		0.20		ppb v/v			03/22/21 07:42	1
Methyl tert-butyl ether	ND		0.16		ppb v/v			03/22/21 07:42	1
Methylene Chloride	3.6		0.40		ppb v/v			03/22/21 07:42	1
m-Xylene & p-Xylene	1.3		0.080		ppb v/v			03/22/21 07:42	1
Naphthalene	ND		0.20		ppb v/v			03/22/21 07:42	1
o-Xylene	0.41		0.080		ppb v/v			03/22/21 07:42	1
Styrene	0.094		0.080		ppb v/v			03/22/21 07:42	1
t-Butyl alcohol	ND		0.32		ppb v/v			03/22/21 07:42	1
Tetrachloroethene	0.096		0.080		ppb v/v			03/22/21 07:42	1
Toluene	2.8		0.12		ppb v/v			03/22/21 07:42	1
trans-1,2-Dichloroethene	ND		0.080		ppb v/v			03/22/21 07:42	1
trans-1,3-Dichloropropene	ND		0.080		ppb v/v			03/22/21 07:42	1
Trichloroethene	0.33		0.036		ppb v/v			03/22/21 07:42	1
Trichlorofluoromethane	0.27		0.080		ppb v/v			03/22/21 07:42	1
Vinyl chloride	ND		0.040		ppb v/v			03/22/21 07:42	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.44		ug/m3			03/22/21 07:42	1
1,1,2,2-Tetrachloroethane	ND		0.55		ug/m3			03/22/21 07:42	1
1,1,2-Trichloroethane	ND		0.44		ug/m3			03/22/21 07:42	1
1,1,2-Trichlorotrifluoroethane	ND		0.61		ug/m3			03/22/21 07:42	1
1,1-Dichloroethane	ND		0.32		ug/m3			03/22/21 07:42	1
1,1-Dichloroethene	ND		0.16		ug/m3			03/22/21 07:42	1
1,2,4-Trichlorobenzene	ND	UJ	0.59		ug/m3			03/22/21 07:42	1
1,2,4-Trimethylbenzene	ND		0.39		ug/m3			03/22/21 07:42	1
1,2-Dibromoethane	ND		0.61		ug/m3			03/22/21 07:42	1
1,2-Dichlorobenzene	ND		0.48		ug/m3			03/22/21 07:42	1
1,2-Dichloroethane	ND		0.32		ug/m3			03/22/21 07:42	1
1,2-Dichloropropane	ND		0.37		ug/m3			03/22/21 07:42	1
1,2-Dichlorotetrafluoroethane	ND		0.56		ug/m3			03/22/21 07:42	1
1,3,5-Trimethylbenzene	ND		0.39		ug/m3			03/22/21 07:42	1
1,3-Dichlorobenzene	ND		0.48		ug/m3			03/22/21 07:42	1
1,4-Dichlorobenzene	ND		0.48		ug/m3			03/22/21 07:42	1
1,4-Dioxane	ND		0.72		ug/m3			03/22/21 07:42	1
2,2,4-Trimethylpentane	ND		0.93		ug/m3			03/22/21 07:42	1
2-Butanone	ND		0.94		ug/m3			03/22/21 07:42	1
4-Methyl-2-pentanone (MIBK)	ND		0.82		ug/m3			03/22/21 07:42	1
Benzene	1.1		0.26		ug/m3			03/22/21 07:42	1
Benzyl chloride	ND	*+ UJ	0.83		ug/m3			03/22/21 07:42	1
Bromodichloromethane	ND		0.54		ug/m3			03/22/21 07:42	1
Bromoform	ND	UJ	0.83		ug/m3			03/22/21 07:42	1
Bromomethane	ND		0.31		ug/m3			03/22/21 07:42	1
Carbon tetrachloride	0.47		0.20		ug/m3			03/22/21 07:42	1
Chlorobenzene	ND		0.37		ug/m3			03/22/21 07:42	1
Chloroethane	ND		0.21		ug/m3			03/22/21 07:42	1

Client Sample Results

Client: New York State D.E.C.
 Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22339-1

Client Sample ID: 224121-IAB-107

Lab Sample ID: 140-22339-17

Date Collected: 03/17/21 09:13

Matrix: Air

Date Received: 03/18/21 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	ND		0.39		ug/m3			03/22/21 07:42	1
Chloromethane	0.99		0.41		ug/m3			03/22/21 07:42	1
cis-1,2-Dichloroethene	ND		0.16		ug/m3			03/22/21 07:42	1
cis-1,3-Dichloropropene	ND		0.36		ug/m3			03/22/21 07:42	1
Cyclohexane	0.73		0.69		ug/m3			03/22/21 07:42	1
Dibromochloromethane	ND		0.68		ug/m3			03/22/21 07:42	1
Dichlorodifluoromethane	1.2		0.40		ug/m3			03/22/21 07:42	1
Ethanol	150	J	3.8		ug/m3			03/22/21 07:42	1
Ethylbenzene	1.5		0.35		ug/m3			03/22/21 07:42	1
Hexachlorobutadiene	ND	UJ	0.85		ug/m3			03/22/21 07:42	1
Hexane	1.9		0.70		ug/m3			03/22/21 07:42	1
Methyl tert-butyl ether	ND		0.58		ug/m3			03/22/21 07:42	1
Methylene Chloride	12		1.4		ug/m3			03/22/21 07:42	1
m-Xylene & p-Xylene	5.5		0.35		ug/m3			03/22/21 07:42	1
Naphthalene	ND		1.0		ug/m3			03/22/21 07:42	1
o-Xylene	1.8		0.35		ug/m3			03/22/21 07:42	1
Styrene	0.40		0.34		ug/m3			03/22/21 07:42	1
t-Butyl alcohol	ND		0.97		ug/m3			03/22/21 07:42	1
Tetrachloroethene	0.65		0.54		ug/m3			03/22/21 07:42	1
Toluene	11		0.45		ug/m3			03/22/21 07:42	1
trans-1,2-Dichloroethene	ND		0.32		ug/m3			03/22/21 07:42	1
trans-1,3-Dichloropropene	ND		0.36		ug/m3			03/22/21 07:42	1
Trichloroethene	1.8		0.19		ug/m3			03/22/21 07:42	1
Trichlorofluoromethane	1.5		0.45		ug/m3			03/22/21 07:42	1
Vinyl chloride	ND		0.10		ug/m3			03/22/21 07:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		60 - 140					03/22/21 07:42	1

VALIDATA

Chemical Services, Inc.

2159 Wynnton Pointe, Duluth, GA 30097

(770) 232-0130

(770) 232-5082 (Fax)

www.datavalidator.com

DATA USABILITY SUMMARY REPORT

COMPANY: AECOM Technical Services Northeast, Inc.
PROJECT NAME: Meeker Ave. Plume Trackdown #224121
CONTRACTED LAB: Eurofins Test America, Knoxville
QA/QC LEVEL: DUSR
ANALYTICAL METHOD(S): EPA Method TO-15
VALIDATION GUIDELINES: USEPA Region II data validation SOP (VOA-TO15 HW-31 Rev.6, Analysis of VOCs in Air contained in Canisters by Method TO-15, September 2016), Professional Judgment
SAMPLE MATRIX: Air
TYPES OF ANALYSES: Volatile Organic Compounds (VOC)
DATA REVIEWER(S): Amy L. Hogan
SDG NUMBER: 140-22399-1
SAMPLING DATE(S): March 18, 2021

SAMPLES:

<u>Client Sample ID</u>	<u>Laboratory ID</u>	<u>VOC</u>
224121-SS-108	140-22399-1	X
224121-IA-108	140-22399-2	X
224121-IA-108DL	140-22399-2DL	X
224121-SS-109	140-22399-3	X
FD31821-1	140-22399-4	X
224121-IA-109	140-22399-5	X
224121-IA-109DL	140-22399-5DL	X
FD-031821-2	140-22399-6	X
FD-031821-2DL	140-22399-6DL	X
224121-OA-109	140-22399-7	X
224121-SS-110	140-22399-8	X
224121-SS-110DL	140-22399-8DL	X
224121-IA-110	140-22399-9	X
224121-OA-110	140-22399-10	X
224121-SS-111	140-22399-11	X
224121-IA-111	140-22399-12	X
224121-IA-111DL	140-22399-12DL	X
224121-SS-112	140-22399-13	X
224121-IA-112	140-22399-14	X
224121-OA-112	140-22399-15	X

Suffix Codes: DL= DILUTION, MS = MATRIX SPIKE,
MSD = MATRIX SPIKE DUPLICATE, RE = REANALYSIS

Qualifier	Definition
U	The analyte was not detected and was reported as less than the LOD or as defined by the customer. The LOD has been adjusted for any dilution or concentration of the sample.
J	The reported result was an estimated value with an unknown bias.
J+	The result was an estimated quantity, but the result may be biased high.
J-	The result was an estimated quantity, but the result may be biased low.
N	The analysis indicates the presence of an analyte for which there was presumptive evidence to make a "tentative identification."
NJ	The analyte has been "tentatively identified" or "presumptively" as present and the associated numerical value was the estimated concentration in the sample.
UJ	The analyte was not detected and was reported as less than the LOD or as defined by the customer. However, the associated numerical value is approximate.
X	The sample results (including non-detects) were affected by serious deficiencies in the ability to analyze the sample and to meet published method and project quality control criteria. The presence or absence of the analyte cannot be substantiated by the data provided. Acceptance or rejection of the data should be decided by the project team (which should include a project chemist), but exclusion of the data is recommended.

DATA USABILITY SUMMARY

Eurofins Test America, Knoxville – 140-22399-1

VOLATILE ORGANICS

SUMMARY

I.) General:

The analyses for Volatile Organics were performed per EPA Method TO-15.

Appendix A contains the qualified sample summary reports.

II.) Overall Assessment of Data:

All laboratory data were acceptable without qualifications.

It was noted on the Chain of Custody that the samples were received without a custody seal.

III.) Holding Times:

All Holding Time criteria were met. No data qualification was necessary.

IV.) GC/MS Tuning:

All GC/MS Tuning criteria were met. No data qualification was necessary.

V.) Calibration:

Initial Calibration:

All Initial Calibration criteria were met. No data qualification was necessary.

Initial Calibration Verification:

All Initial Calibration Verification criteria were met. No data qualification was necessary.

Continuing Calibration:

All Continuing Calibration criteria were met. No data qualification was necessary.

VI.) Blanks:

Method Blanks:

There were no detections in the method blanks for this SDG. No data qualification was necessary.

Canister Blanks:

There were no detections in the canister blanks for this SDG. No data qualification was necessary.

VII.) Surrogate Recoveries:

All Surrogate Recovery criteria were met. No data qualification was necessary.

VIII.) Laboratory Control Samples (LCS):

Two LCS were analyzed by the laboratory for this SDG. All criteria were met. No data qualification was necessary.

IX.) Field Duplicates:

Two sets of field duplicate samples (224121-SS-109 / FD-031821-1 and 224121-IA-109 / FD-031821-2) were identified as part of this SDG. The calculable Relative Percent Differences (RPDs) for the first set were 8.5% for 1,2-dichloroethane and 11% for cyclohexane, which were within the 50% QC limit. No data qualification was necessary.

The calculable RPDs for the second set were:

1,2,4-trimethylbenzene	17%
1,2-dichloroethane	0%
1,4-dichlorobenzene	10%
2-butanone	18%
benzene	3.0%
carbon tetrachloride	26%
chloromethane	29%
dichlorofluoromethane	15%
ethanol	6.5%
ethylbenzene	6.9%
hexane	5.9%
methylene chloride	17%
m,p-xylene	4.0%
o-xylene	12%
tetrachloroethene	5.1%
toluene	0%

trichlorofluoromethane

3.1%

All RPD were within the 50% QC limit. No data qualification was necessary.

XI.) TCL Compound Identification:

All TCL Compound Identification criteria were met. No data qualification was necessary.

XII.) Internal Standards Performance (ISTD):

All ISTD criteria were met. No data qualification was necessary.

XIII.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL):

The initial analysis ethanol results for samples 224121-IA-108, 224121-IA-109, FD-031821-2 and 224121-IA-11 and the initial analysis chloroform result for sample 224121-SS-110 exceeded the linear calibration range. A dilution analysis was performed for each sample with all calibration criteria met. Based on the linear calibration range, the validator has determined that the dilution analysis results for ethanol for the samples were of preferable data quality to the initial analysis results. The over range results in the initial analyses for the listed samples, which were denoted by an "E" were lined through and replaced with the dilution analysis results.

All other CRQL criteria were met.

Appendix A
Qualified Form Is

Client Sample Results

Client: New York State D.E.C.
 Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22399-1

Client Sample ID: 224121-SS-108

Lab Sample ID: 140-22399-1

Date Collected: 03/18/21 09:30

Matrix: Air

Date Received: 03/22/21 09:30

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.80		ppb v/v			03/26/21 08:09	1
1,1,2,2-Tetrachloroethane	ND		0.80		ppb v/v			03/26/21 08:09	1
1,1,2-Trichloroethane	ND		0.80		ppb v/v			03/26/21 08:09	1
1,1,2-Trichlorotrifluoroethane	ND		0.80		ppb v/v			03/26/21 08:09	1
1,1-Dichloroethane	ND		0.80		ppb v/v			03/26/21 08:09	1
1,1-Dichloroethene	ND		0.40		ppb v/v			03/26/21 08:09	1
1,2,4-Trichlorobenzene	ND		0.80		ppb v/v			03/26/21 08:09	1
1,2,4-Trimethylbenzene	ND		0.80		ppb v/v			03/26/21 08:09	1
1,2-Dibromoethane	ND		0.80		ppb v/v			03/26/21 08:09	1
1,2-Dichlorobenzene	ND		0.80		ppb v/v			03/26/21 08:09	1
1,2-Dichloroethane	2.2		0.80		ppb v/v			03/26/21 08:09	1
1,2-Dichloropropane	ND		0.80		ppb v/v			03/26/21 08:09	1
1,2-Dichlorotetrafluoroethane	ND		0.80		ppb v/v			03/26/21 08:09	1
1,3,5-Trimethylbenzene	ND		0.80		ppb v/v			03/26/21 08:09	1
1,3-Dichlorobenzene	ND		0.80		ppb v/v			03/26/21 08:09	1
1,4-Dichlorobenzene	ND		0.80		ppb v/v			03/26/21 08:09	1
1,4-Dioxane	ND		2.0		ppb v/v			03/26/21 08:09	1
2,2,4-Trimethylpentane	ND		2.0		ppb v/v			03/26/21 08:09	1
2-Butanone	ND		3.2		ppb v/v			03/26/21 08:09	1
4-Methyl-2-pentanone (MIBK)	ND		2.0		ppb v/v			03/26/21 08:09	1
Benzene	ND		0.80		ppb v/v			03/26/21 08:09	1
Benzyl chloride	ND		1.6		ppb v/v			03/26/21 08:09	1
Bromodichloromethane	ND		0.80		ppb v/v			03/26/21 08:09	1
Bromoform	ND		0.80		ppb v/v			03/26/21 08:09	1
Bromomethane	ND		0.80		ppb v/v			03/26/21 08:09	1
Carbon tetrachloride	ND		0.32		ppb v/v			03/26/21 08:09	1
Chlorobenzene	ND		0.80		ppb v/v			03/26/21 08:09	1
Chloroethane	0.91		0.80		ppb v/v			03/26/21 08:09	1
Chloroform	ND		0.80		ppb v/v			03/26/21 08:09	1
Chloromethane	ND		2.0		ppb v/v			03/26/21 08:09	1
cis-1,2-Dichloroethene	ND		0.40		ppb v/v			03/26/21 08:09	1
cis-1,3-Dichloropropene	ND		0.80		ppb v/v			03/26/21 08:09	1
Cyclohexane	2.7	Cl	2.0		ppb v/v			03/26/21 08:09	1
Dibromochloromethane	ND		0.80		ppb v/v			03/26/21 08:09	1
Dichlorodifluoromethane	ND		0.80		ppb v/v			03/26/21 08:09	1
Ethanol	ND		20		ppb v/v			03/26/21 08:09	1
Ethylbenzene	ND		0.80		ppb v/v			03/26/21 08:09	1
Hexachlorobutadiene	ND		0.80		ppb v/v			03/26/21 08:09	1
Hexane	ND		2.0		ppb v/v			03/26/21 08:09	1
Methyl tert-butyl ether	ND		1.6		ppb v/v			03/26/21 08:09	1
Methylene Chloride	ND		4.0		ppb v/v			03/26/21 08:09	1
m-Xylene & p-Xylene	ND		0.80		ppb v/v			03/26/21 08:09	1
Naphthalene	ND		2.0		ppb v/v			03/26/21 08:09	1
o-Xylene	ND		0.80		ppb v/v			03/26/21 08:09	1
Styrene	ND		0.80		ppb v/v			03/26/21 08:09	1
t-Butyl alcohol	3.3		3.2		ppb v/v			03/26/21 08:09	1
Tetrachloroethene	ND		0.80		ppb v/v			03/26/21 08:09	1
Toluene	ND		1.2		ppb v/v			03/26/21 08:09	1

Client Sample Results

Client: New York State D.E.C.
 Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22399-1

Client Sample ID: 224121-SS-108

Lab Sample ID: 140-22399-1

Date Collected: 03/18/21 09:30

Matrix: Air

Date Received: 03/22/21 09:30

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		0.80		ppb v/v			03/26/21 08:09	1
trans-1,3-Dichloropropene	ND		0.80		ppb v/v			03/26/21 08:09	1
Trichloroethene	ND		0.36		ppb v/v			03/26/21 08:09	1
Trichlorofluoromethane	ND		0.80		ppb v/v			03/26/21 08:09	1
Vinyl chloride	0.45		0.40		ppb v/v			03/26/21 08:09	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.4		ug/m3			03/26/21 08:09	1
1,1,2,2-Tetrachloroethane	ND		5.5		ug/m3			03/26/21 08:09	1
1,1,2-Trichloroethane	ND		4.4		ug/m3			03/26/21 08:09	1
1,1,2-Trichlorotrifluoroethane	ND		6.1		ug/m3			03/26/21 08:09	1
1,1-Dichloroethane	ND		3.2		ug/m3			03/26/21 08:09	1
1,1-Dichloroethene	ND		1.6		ug/m3			03/26/21 08:09	1
1,2,4-Trichlorobenzene	ND		5.9		ug/m3			03/26/21 08:09	1
1,2,4-Trimethylbenzene	ND		3.9		ug/m3			03/26/21 08:09	1
1,2-Dibromoethane	ND		6.1		ug/m3			03/26/21 08:09	1
1,2-Dichlorobenzene	ND		4.8		ug/m3			03/26/21 08:09	1
1,2-Dichloroethane	8.7		3.2		ug/m3			03/26/21 08:09	1
1,2-Dichloropropane	ND		3.7		ug/m3			03/26/21 08:09	1
1,2-Dichlorotetrafluoroethane	ND		5.6		ug/m3			03/26/21 08:09	1
1,3,5-Trimethylbenzene	ND		3.9		ug/m3			03/26/21 08:09	1
1,3-Dichlorobenzene	ND		4.8		ug/m3			03/26/21 08:09	1
1,4-Dichlorobenzene	ND		4.8		ug/m3			03/26/21 08:09	1
1,4-Dioxane	ND		7.2		ug/m3			03/26/21 08:09	1
2,2,4-Trimethylpentane	ND		9.3		ug/m3			03/26/21 08:09	1
2-Butanone	ND		9.4		ug/m3			03/26/21 08:09	1
4-Methyl-2-pentanone (MIBK)	ND		8.2		ug/m3			03/26/21 08:09	1
Benzene	ND		2.6		ug/m3			03/26/21 08:09	1
Benzyl chloride	ND		8.3		ug/m3			03/26/21 08:09	1
Bromodichloromethane	ND		5.4		ug/m3			03/26/21 08:09	1
Bromoform	ND		8.3		ug/m3			03/26/21 08:09	1
Bromomethane	ND		3.1		ug/m3			03/26/21 08:09	1
Carbon tetrachloride	ND		2.0		ug/m3			03/26/21 08:09	1
Chlorobenzene	ND		3.7		ug/m3			03/26/21 08:09	1
Chloroethane	2.4		2.1		ug/m3			03/26/21 08:09	1
Chloroform	ND		3.9		ug/m3			03/26/21 08:09	1
Chloromethane	ND		4.1		ug/m3			03/26/21 08:09	1
cis-1,2-Dichloroethene	ND		1.6		ug/m3			03/26/21 08:09	1
cis-1,3-Dichloropropene	ND		3.6		ug/m3			03/26/21 08:09	1
Cyclohexane	9.2	CI	6.9		ug/m3			03/26/21 08:09	1
Dibromochloromethane	ND		6.8		ug/m3			03/26/21 08:09	1
Dichlorodifluoromethane	ND		4.0		ug/m3			03/26/21 08:09	1
Ethanol	ND		38		ug/m3			03/26/21 08:09	1
Ethylbenzene	ND		3.5		ug/m3			03/26/21 08:09	1
Hexachlorobutadiene	ND		8.5		ug/m3			03/26/21 08:09	1
Hexane	ND		7.0		ug/m3			03/26/21 08:09	1
Methyl tert-butyl ether	ND		5.8		ug/m3			03/26/21 08:09	1
Methylene Chloride	ND		14		ug/m3			03/26/21 08:09	1
m-Xylene & p-Xylene	ND		3.5		ug/m3			03/26/21 08:09	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22399-1

Client Sample ID: 224121-SS-108

Lab Sample ID: 140-22399-1

Date Collected: 03/18/21 09:30

Matrix: Air

Date Received: 03/22/21 09:30

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		10		ug/m3			03/26/21 08:09	1
o-Xylene	ND		3.5		ug/m3			03/26/21 08:09	1
Styrene	ND		3.4		ug/m3			03/26/21 08:09	1
t-Butyl alcohol	9.9		9.7		ug/m3			03/26/21 08:09	1
Tetrachloroethene	ND		5.4		ug/m3			03/26/21 08:09	1
Toluene	ND		4.5		ug/m3			03/26/21 08:09	1
trans-1,2-Dichloroethene	ND		3.2		ug/m3			03/26/21 08:09	1
trans-1,3-Dichloropropene	ND		3.6		ug/m3			03/26/21 08:09	1
Trichloroethene	ND		1.9		ug/m3			03/26/21 08:09	1
Trichlorofluoromethane	ND		4.5		ug/m3			03/26/21 08:09	1
Vinyl chloride	1.1		1.0		ug/m3			03/26/21 08:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		60 - 140					03/26/21 08:09	1

Client Sample ID: 224121-IA-108

Lab Sample ID: 140-22399-2

Date Collected: 03/18/21 09:31

Matrix: Air

Date Received: 03/22/21 09:30

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.080		ppb v/v			03/25/21 19:58	1
1,1,2,2-Tetrachloroethane	ND		0.080		ppb v/v			03/25/21 19:58	1
1,1,2-Trichloroethane	ND		0.080		ppb v/v			03/25/21 19:58	1
1,1,2-Trichlorotrifluoroethane	ND		0.080		ppb v/v			03/25/21 19:58	1
1,1-Dichloroethane	ND		0.080		ppb v/v			03/25/21 19:58	1
1,1-Dichloroethene	ND		0.040		ppb v/v			03/25/21 19:58	1
1,2,4-Trichlorobenzene	ND		0.080		ppb v/v			03/25/21 19:58	1
1,2,4-Trimethylbenzene	0.17		0.080		ppb v/v			03/25/21 19:58	1
1,2-Dibromoethane	ND		0.080		ppb v/v			03/25/21 19:58	1
1,2-Dichlorobenzene	ND		0.080		ppb v/v			03/25/21 19:58	1
1,2-Dichloroethane	ND		0.080		ppb v/v			03/25/21 19:58	1
1,2-Dichloropropane	ND		0.080		ppb v/v			03/25/21 19:58	1
1,2-Dichlorotetrafluoroethane	ND		0.080		ppb v/v			03/25/21 19:58	1
1,3,5-Trimethylbenzene	ND		0.080		ppb v/v			03/25/21 19:58	1
1,3-Dichlorobenzene	ND		0.080		ppb v/v			03/25/21 19:58	1
1,4-Dichlorobenzene	ND		0.080		ppb v/v			03/25/21 19:58	1
1,4-Dioxane	ND		0.20		ppb v/v			03/25/21 19:58	1
2,2,4-Trimethylpentane	ND		0.20		ppb v/v			03/25/21 19:58	1
2-Butanone	0.59		0.32		ppb v/v			03/25/21 19:58	1
4-Methyl-2-pentanone (MIBK)	ND		0.20		ppb v/v			03/25/21 19:58	1
Benzene	0.30		0.080		ppb v/v			03/25/21 19:58	1
Benzyl chloride	ND		0.16		ppb v/v			03/25/21 19:58	1
Bromodichloromethane	ND		0.080		ppb v/v			03/25/21 19:58	1
Bromoform	ND		0.080		ppb v/v			03/25/21 19:58	1
Bromomethane	ND		0.080		ppb v/v			03/25/21 19:58	1
Carbon tetrachloride	0.083		0.032		ppb v/v			03/25/21 19:58	1
Chlorobenzene	ND		0.080		ppb v/v			03/25/21 19:58	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22399-1

Client Sample ID: 224121-IA-108

Lab Sample ID: 140-22399-2

Date Collected: 03/18/21 09:31

Matrix: Air

Date Received: 03/22/21 09:30

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	ND		0.080		ppb v/v			03/25/21 19:58	1
Chloroform	0.090		0.080		ppb v/v			03/25/21 19:58	1
Chloromethane	0.66	CI	0.20		ppb v/v			03/25/21 19:58	1
cis-1,2-Dichloroethene	ND		0.040		ppb v/v			03/25/21 19:58	1
cis-1,3-Dichloropropene	ND		0.080		ppb v/v			03/25/21 19:58	1
Cyclohexane	ND		0.20		ppb v/v			03/25/21 19:58	1
Dibromochloromethane	ND		0.080		ppb v/v			03/25/21 19:58	1
Dichlorodifluoromethane	0.25		0.080		ppb v/v			03/25/21 19:58	1
Ethanol	180	E	2.0		ppb v/v			03/25/21 19:58	1
Ethylbenzene	0.14		0.080		ppb v/v			03/25/21 19:58	1
Hexachlorobutadiene	ND		0.080		ppb v/v			03/25/21 19:58	1
Hexane	0.30		0.20		ppb v/v			03/25/21 19:58	1
Methyl tert-butyl ether	ND		0.16		ppb v/v			03/25/21 19:58	1
Methylene Chloride	0.63		0.40		ppb v/v			03/25/21 19:58	1
m-Xylene & p-Xylene	0.45		0.080		ppb v/v			03/25/21 19:58	1
Naphthalene	ND		0.20		ppb v/v			03/25/21 19:58	1
o-Xylene	0.16		0.080		ppb v/v			03/25/21 19:58	1
Styrene	0.18		0.080		ppb v/v			03/25/21 19:58	1
t-Butyl alcohol	ND		0.32		ppb v/v			03/25/21 19:58	1
Tetrachloroethene	0.17		0.080		ppb v/v			03/25/21 19:58	1
Toluene	1.5		0.12		ppb v/v			03/25/21 19:58	1
trans-1,2-Dichloroethene	ND		0.080		ppb v/v			03/25/21 19:58	1
trans-1,3-Dichloropropene	ND		0.080		ppb v/v			03/25/21 19:58	1
Trichloroethene	ND		0.036		ppb v/v			03/25/21 19:58	1
Trichlorofluoromethane	0.24		0.080		ppb v/v			03/25/21 19:58	1
Vinyl chloride	ND		0.040		ppb v/v			03/25/21 19:58	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.44		ug/m3			03/25/21 19:58	1
1,1,2,2-Tetrachloroethane	ND		0.55		ug/m3			03/25/21 19:58	1
1,1,2-Trichloroethane	ND		0.44		ug/m3			03/25/21 19:58	1
1,1,2-Trichlorotrifluoroethane	ND		0.61		ug/m3			03/25/21 19:58	1
1,1-Dichloroethane	ND		0.32		ug/m3			03/25/21 19:58	1
1,1-Dichloroethene	ND		0.16		ug/m3			03/25/21 19:58	1
1,2,4-Trichlorobenzene	ND		0.59		ug/m3			03/25/21 19:58	1
1,2,4-Trimethylbenzene	0.82		0.39		ug/m3			03/25/21 19:58	1
1,2-Dibromoethane	ND		0.61		ug/m3			03/25/21 19:58	1
1,2-Dichlorobenzene	ND		0.48		ug/m3			03/25/21 19:58	1
1,2-Dichloroethane	ND		0.32		ug/m3			03/25/21 19:58	1
1,2-Dichloropropane	ND		0.37		ug/m3			03/25/21 19:58	1
1,2-Dichlorotetrafluoroethane	ND		0.56		ug/m3			03/25/21 19:58	1
1,3,5-Trimethylbenzene	ND		0.39		ug/m3			03/25/21 19:58	1
1,3-Dichlorobenzene	ND		0.48		ug/m3			03/25/21 19:58	1
1,4-Dichlorobenzene	ND		0.48		ug/m3			03/25/21 19:58	1
1,4-Dioxane	ND		0.72		ug/m3			03/25/21 19:58	1
2,2,4-Trimethylpentane	ND		0.93		ug/m3			03/25/21 19:58	1
2-Butanone	1.8		0.94		ug/m3			03/25/21 19:58	1
4-Methyl-2-pentanone (MIBK)	ND		0.82		ug/m3			03/25/21 19:58	1
Benzene	0.96		0.26		ug/m3			03/25/21 19:58	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22399-1

Client Sample ID: 224121-IA-108

Lab Sample ID: 140-22399-2

Date Collected: 03/18/21 09:31

Matrix: Air

Date Received: 03/22/21 09:30

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzyl chloride	ND		0.83		ug/m3			03/25/21 19:58	1
Bromodichloromethane	ND		0.54		ug/m3			03/25/21 19:58	1
Bromoform	ND		0.83		ug/m3			03/25/21 19:58	1
Bromomethane	ND		0.31		ug/m3			03/25/21 19:58	1
Carbon tetrachloride	0.52		0.20		ug/m3			03/25/21 19:58	1
Chlorobenzene	ND		0.37		ug/m3			03/25/21 19:58	1
Chloroethane	ND		0.21		ug/m3			03/25/21 19:58	1
Chloroform	0.44		0.39		ug/m3			03/25/21 19:58	1
Chloromethane	1.4	Cl	0.41		ug/m3			03/25/21 19:58	1
cis-1,2-Dichloroethene	ND		0.16		ug/m3			03/25/21 19:58	1
cis-1,3-Dichloropropene	ND		0.36		ug/m3			03/25/21 19:58	1
Cyclohexane	ND		0.69		ug/m3			03/25/21 19:58	1
Dibromochloromethane	ND		0.68		ug/m3			03/25/21 19:58	1
Dichlorodifluoromethane	1.2		0.40		ug/m3			03/25/21 19:58	1
Ethanol	430	340--E-	3.8		ug/m3			03/25/21 19:58	1
Ethylbenzene	0.59		0.35		ug/m3			03/25/21 19:58	1
Hexachlorobutadiene	ND		0.85		ug/m3			03/25/21 19:58	1
Hexane	1.0		0.70		ug/m3			03/25/21 19:58	1
Methyl tert-butyl ether	ND		0.58		ug/m3			03/25/21 19:58	1
Methylene Chloride	2.2		1.4		ug/m3			03/25/21 19:58	1
m-Xylene & p-Xylene	1.9		0.35		ug/m3			03/25/21 19:58	1
Naphthalene	ND		1.0		ug/m3			03/25/21 19:58	1
o-Xylene	0.68		0.35		ug/m3			03/25/21 19:58	1
Styrene	0.75		0.34		ug/m3			03/25/21 19:58	1
t-Butyl alcohol	ND		0.97		ug/m3			03/25/21 19:58	1
Tetrachloroethene	1.2		0.54		ug/m3			03/25/21 19:58	1
Toluene	5.5		0.45		ug/m3			03/25/21 19:58	1
trans-1,2-Dichloroethene	ND		0.32		ug/m3			03/25/21 19:58	1
trans-1,3-Dichloropropene	ND		0.36		ug/m3			03/25/21 19:58	1
Trichloroethene	ND		0.19		ug/m3			03/25/21 19:58	1
Trichlorofluoromethane	1.3		0.45		ug/m3			03/25/21 19:58	1
Vinyl chloride	ND		0.10		ug/m3			03/25/21 19:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		60 - 140		03/25/21 19:58	1

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethanol	230	D	10		ppb v/v			03/26/21 20:17	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethanol	430	D	19		ug/m3			03/26/21 20:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		60 - 140		03/26/21 20:17	1

Client Sample Results

Client: New York State D.E.C.
 Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22399-1

Client Sample ID: 224121-SS-109

Lab Sample ID: 140-22399-3

Date Collected: 03/18/21 10:17

Matrix: Air

Date Received: 03/22/21 09:30

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.80		ppb v/v			03/25/21 16:31	1
1,1,2,2-Tetrachloroethane	ND		0.80		ppb v/v			03/25/21 16:31	1
1,1,2-Trichloroethane	ND		0.80		ppb v/v			03/25/21 16:31	1
1,1,2-Trichlorotrifluoroethane	ND		0.80		ppb v/v			03/25/21 16:31	1
1,1-Dichloroethane	ND		0.80		ppb v/v			03/25/21 16:31	1
1,1-Dichloroethene	ND		0.40		ppb v/v			03/25/21 16:31	1
1,2,4-Trichlorobenzene	ND		0.80		ppb v/v			03/25/21 16:31	1
1,2,4-Trimethylbenzene	ND		0.80		ppb v/v			03/25/21 16:31	1
1,2-Dibromoethane	ND		0.80		ppb v/v			03/25/21 16:31	1
1,2-Dichlorobenzene	ND		0.80		ppb v/v			03/25/21 16:31	1
1,2-Dichloroethane	3.7		0.80		ppb v/v			03/25/21 16:31	1
1,2-Dichloropropane	ND		0.80		ppb v/v			03/25/21 16:31	1
1,2-Dichlorotetrafluoroethane	ND		0.80		ppb v/v			03/25/21 16:31	1
1,3,5-Trimethylbenzene	ND		0.80		ppb v/v			03/25/21 16:31	1
1,3-Dichlorobenzene	ND		0.80		ppb v/v			03/25/21 16:31	1
1,4-Dichlorobenzene	ND		0.80		ppb v/v			03/25/21 16:31	1
1,4-Dioxane	ND		2.0		ppb v/v			03/25/21 16:31	1
2,2,4-Trimethylpentane	ND		2.0		ppb v/v			03/25/21 16:31	1
2-Butanone	ND		3.2		ppb v/v			03/25/21 16:31	1
4-Methyl-2-pentanone (MIBK)	ND		2.0		ppb v/v			03/25/21 16:31	1
Benzene	ND		0.80		ppb v/v			03/25/21 16:31	1
Benzyl chloride	ND		1.6		ppb v/v			03/25/21 16:31	1
Bromodichloromethane	ND		0.80		ppb v/v			03/25/21 16:31	1
Bromoform	ND		0.80		ppb v/v			03/25/21 16:31	1
Bromomethane	ND		0.80		ppb v/v			03/25/21 16:31	1
Carbon tetrachloride	ND		0.32		ppb v/v			03/25/21 16:31	1
Chlorobenzene	ND		0.80		ppb v/v			03/25/21 16:31	1
Chloroethane	1.2		0.80		ppb v/v			03/25/21 16:31	1
Chloroform	ND		0.80		ppb v/v			03/25/21 16:31	1
Chloromethane	ND		2.0		ppb v/v			03/25/21 16:31	1
cis-1,2-Dichloroethene	ND		0.40		ppb v/v			03/25/21 16:31	1
cis-1,3-Dichloropropene	ND		0.80		ppb v/v			03/25/21 16:31	1
Cyclohexane	6.3	Cl	2.0		ppb v/v			03/25/21 16:31	1
Dibromochloromethane	ND		0.80		ppb v/v			03/25/21 16:31	1
Dichlorodifluoromethane	ND		0.80		ppb v/v			03/25/21 16:31	1
Ethanol	43		20		ppb v/v			03/25/21 16:31	1
Ethylbenzene	ND		0.80		ppb v/v			03/25/21 16:31	1
Hexachlorobutadiene	ND		0.80		ppb v/v			03/25/21 16:31	1
Hexane	ND		2.0		ppb v/v			03/25/21 16:31	1
Methyl tert-butyl ether	ND		1.6		ppb v/v			03/25/21 16:31	1
Methylene Chloride	ND		4.0		ppb v/v			03/25/21 16:31	1
m-Xylene & p-Xylene	ND		0.80		ppb v/v			03/25/21 16:31	1
Naphthalene	ND		2.0		ppb v/v			03/25/21 16:31	1
o-Xylene	ND		0.80		ppb v/v			03/25/21 16:31	1
Styrene	ND		0.80		ppb v/v			03/25/21 16:31	1
t-Butyl alcohol	ND		3.2		ppb v/v			03/25/21 16:31	1
Tetrachloroethene	ND		0.80		ppb v/v			03/25/21 16:31	1
Toluene	ND		1.2		ppb v/v			03/25/21 16:31	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22399-1

Client Sample ID: 224121-SS-109

Lab Sample ID: 140-22399-3

Date Collected: 03/18/21 10:17

Matrix: Air

Date Received: 03/22/21 09:30

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		0.80		ppb v/v			03/25/21 16:31	1
trans-1,3-Dichloropropene	ND		0.80		ppb v/v			03/25/21 16:31	1
Trichloroethene	ND		0.36		ppb v/v			03/25/21 16:31	1
Trichlorofluoromethane	ND		0.80		ppb v/v			03/25/21 16:31	1
Vinyl chloride	0.69		0.40		ppb v/v			03/25/21 16:31	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.4		ug/m3			03/25/21 16:31	1
1,1,2,2-Tetrachloroethane	ND		5.5		ug/m3			03/25/21 16:31	1
1,1,2-Trichloroethane	ND		4.4		ug/m3			03/25/21 16:31	1
1,1,2-Trichlorotrifluoroethane	ND		6.1		ug/m3			03/25/21 16:31	1
1,1-Dichloroethane	ND		3.2		ug/m3			03/25/21 16:31	1
1,1-Dichloroethene	ND		1.6		ug/m3			03/25/21 16:31	1
1,2,4-Trichlorobenzene	ND		5.9		ug/m3			03/25/21 16:31	1
1,2,4-Trimethylbenzene	ND		3.9		ug/m3			03/25/21 16:31	1
1,2-Dibromoethane	ND		6.1		ug/m3			03/25/21 16:31	1
1,2-Dichlorobenzene	ND		4.8		ug/m3			03/25/21 16:31	1
1,2-Dichloroethane	15		3.2		ug/m3			03/25/21 16:31	1
1,2-Dichloropropane	ND		3.7		ug/m3			03/25/21 16:31	1
1,2-Dichlorotetrafluoroethane	ND		5.6		ug/m3			03/25/21 16:31	1
1,3,5-Trimethylbenzene	ND		3.9		ug/m3			03/25/21 16:31	1
1,3-Dichlorobenzene	ND		4.8		ug/m3			03/25/21 16:31	1
1,4-Dichlorobenzene	ND		4.8		ug/m3			03/25/21 16:31	1
1,4-Dioxane	ND		7.2		ug/m3			03/25/21 16:31	1
2,2,4-Trimethylpentane	ND		9.3		ug/m3			03/25/21 16:31	1
2-Butanone	ND		9.4		ug/m3			03/25/21 16:31	1
4-Methyl-2-pentanone (MIBK)	ND		8.2		ug/m3			03/25/21 16:31	1
Benzene	ND		2.6		ug/m3			03/25/21 16:31	1
Benzyl chloride	ND		8.3		ug/m3			03/25/21 16:31	1
Bromodichloromethane	ND		5.4		ug/m3			03/25/21 16:31	1
Bromoform	ND		8.3		ug/m3			03/25/21 16:31	1
Bromomethane	ND		3.1		ug/m3			03/25/21 16:31	1
Carbon tetrachloride	ND		2.0		ug/m3			03/25/21 16:31	1
Chlorobenzene	ND		3.7		ug/m3			03/25/21 16:31	1
Chloroethane	3.3		2.1		ug/m3			03/25/21 16:31	1
Chloroform	ND		3.9		ug/m3			03/25/21 16:31	1
Chloromethane	ND		4.1		ug/m3			03/25/21 16:31	1
cis-1,2-Dichloroethene	ND		1.6		ug/m3			03/25/21 16:31	1
cis-1,3-Dichloropropene	ND		3.6		ug/m3			03/25/21 16:31	1
Cyclohexane	22	CI	6.9		ug/m3			03/25/21 16:31	1
Dibromochloromethane	ND		6.8		ug/m3			03/25/21 16:31	1
Dichlorodifluoromethane	ND		4.0		ug/m3			03/25/21 16:31	1
Ethanol	80		38		ug/m3			03/25/21 16:31	1
Ethylbenzene	ND		3.5		ug/m3			03/25/21 16:31	1
Hexachlorobutadiene	ND		8.5		ug/m3			03/25/21 16:31	1
Hexane	ND		7.0		ug/m3			03/25/21 16:31	1
Methyl tert-butyl ether	ND		5.8		ug/m3			03/25/21 16:31	1
Methylene Chloride	ND		14		ug/m3			03/25/21 16:31	1
m-Xylene & p-Xylene	ND		3.5		ug/m3			03/25/21 16:31	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22399-1

Client Sample ID: 224121-SS-109

Lab Sample ID: 140-22399-3

Date Collected: 03/18/21 10:17

Matrix: Air

Date Received: 03/22/21 09:30

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		10		ug/m3			03/25/21 16:31	1
o-Xylene	ND		3.5		ug/m3			03/25/21 16:31	1
Styrene	ND		3.4		ug/m3			03/25/21 16:31	1
t-Butyl alcohol	ND		9.7		ug/m3			03/25/21 16:31	1
Tetrachloroethene	ND		5.4		ug/m3			03/25/21 16:31	1
Toluene	ND		4.5		ug/m3			03/25/21 16:31	1
trans-1,2-Dichloroethene	ND		3.2		ug/m3			03/25/21 16:31	1
trans-1,3-Dichloropropene	ND		3.6		ug/m3			03/25/21 16:31	1
Trichloroethene	ND		1.9		ug/m3			03/25/21 16:31	1
Trichlorofluoromethane	ND		4.5		ug/m3			03/25/21 16:31	1
Vinyl chloride	1.8		1.0		ug/m3			03/25/21 16:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		60 - 140					03/25/21 16:31	1

Client Sample ID: FD-031821-1

Lab Sample ID: 140-22399-4

Date Collected: 03/18/21 00:00

Matrix: Air

Date Received: 03/22/21 09:30

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.0		ppb v/v			03/26/21 07:21	1
1,1,2,2-Tetrachloroethane	ND		2.0		ppb v/v			03/26/21 07:21	1
1,1,2-Trichloroethane	ND		2.0		ppb v/v			03/26/21 07:21	1
1,1,2-Trichlorotrifluoroethane	ND		2.0		ppb v/v			03/26/21 07:21	1
1,1-Dichloroethane	ND		2.0		ppb v/v			03/26/21 07:21	1
1,1-Dichloroethene	ND		1.0		ppb v/v			03/26/21 07:21	1
1,2,4-Trichlorobenzene	ND		2.0		ppb v/v			03/26/21 07:21	1
1,2,4-Trimethylbenzene	ND		2.0		ppb v/v			03/26/21 07:21	1
1,2-Dibromoethane	ND		2.0		ppb v/v			03/26/21 07:21	1
1,2-Dichlorobenzene	ND		2.0		ppb v/v			03/26/21 07:21	1
1,2-Dichloroethane	3.4		2.0		ppb v/v			03/26/21 07:21	1
1,2-Dichloropropane	ND		2.0		ppb v/v			03/26/21 07:21	1
1,2-Dichlorotetrafluoroethane	ND		2.0		ppb v/v			03/26/21 07:21	1
1,3,5-Trimethylbenzene	ND		2.0		ppb v/v			03/26/21 07:21	1
1,3-Dichlorobenzene	ND		2.0		ppb v/v			03/26/21 07:21	1
1,4-Dichlorobenzene	ND		2.0		ppb v/v			03/26/21 07:21	1
1,4-Dioxane	ND		5.0		ppb v/v			03/26/21 07:21	1
2,2,4-Trimethylpentane	ND		5.0		ppb v/v			03/26/21 07:21	1
2-Butanone	ND		8.0		ppb v/v			03/26/21 07:21	1
4-Methyl-2-pentanone (MIBK)	ND		5.0		ppb v/v			03/26/21 07:21	1
Benzene	ND		2.0		ppb v/v			03/26/21 07:21	1
Benzyl chloride	ND		4.0		ppb v/v			03/26/21 07:21	1
Bromodichloromethane	ND		2.0		ppb v/v			03/26/21 07:21	1
Bromoform	ND		2.0		ppb v/v			03/26/21 07:21	1
Bromomethane	ND		2.0		ppb v/v			03/26/21 07:21	1
Carbon tetrachloride	ND		0.80		ppb v/v			03/26/21 07:21	1
Chlorobenzene	ND		2.0		ppb v/v			03/26/21 07:21	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22399-1

Client Sample ID: FD-031821-1

Lab Sample ID: 140-22399-4

Date Collected: 03/18/21 00:00

Matrix: Air

Date Received: 03/22/21 09:30

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	ND		2.0		ppb v/v			03/26/21 07:21	1
Chloroform	ND		2.0		ppb v/v			03/26/21 07:21	1
Chloromethane	ND		5.0		ppb v/v			03/26/21 07:21	1
cis-1,2-Dichloroethene	ND		1.0		ppb v/v			03/26/21 07:21	1
cis-1,3-Dichloropropene	ND		2.0		ppb v/v			03/26/21 07:21	1
Cyclohexane	7.0	CI	5.0		ppb v/v			03/26/21 07:21	1
Dibromochloromethane	ND		2.0		ppb v/v			03/26/21 07:21	1
Dichlorodifluoromethane	ND		2.0		ppb v/v			03/26/21 07:21	1
Ethanol	ND		50		ppb v/v			03/26/21 07:21	1
Ethylbenzene	ND		2.0		ppb v/v			03/26/21 07:21	1
Hexachlorobutadiene	ND		2.0		ppb v/v			03/26/21 07:21	1
Hexane	ND		5.0		ppb v/v			03/26/21 07:21	1
Methyl tert-butyl ether	ND		4.0		ppb v/v			03/26/21 07:21	1
Methylene Chloride	ND		10		ppb v/v			03/26/21 07:21	1
m-Xylene & p-Xylene	ND		2.0		ppb v/v			03/26/21 07:21	1
Naphthalene	ND		5.0		ppb v/v			03/26/21 07:21	1
o-Xylene	ND		2.0		ppb v/v			03/26/21 07:21	1
Styrene	ND		2.0		ppb v/v			03/26/21 07:21	1
t-Butyl alcohol	ND		8.0		ppb v/v			03/26/21 07:21	1
Tetrachloroethene	ND		2.0		ppb v/v			03/26/21 07:21	1
Toluene	ND		3.0		ppb v/v			03/26/21 07:21	1
trans-1,2-Dichloroethene	ND		2.0		ppb v/v			03/26/21 07:21	1
trans-1,3-Dichloropropene	ND		2.0		ppb v/v			03/26/21 07:21	1
Trichloroethene	ND		0.90		ppb v/v			03/26/21 07:21	1
Trichlorofluoromethane	ND		2.0		ppb v/v			03/26/21 07:21	1
Vinyl chloride	ND		1.0		ppb v/v			03/26/21 07:21	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		11		ug/m3			03/26/21 07:21	1
1,1,2,2-Tetrachloroethane	ND		14		ug/m3			03/26/21 07:21	1
1,1,2-Trichloroethane	ND		11		ug/m3			03/26/21 07:21	1
1,1,2-Trichlorotrifluoroethane	ND		15		ug/m3			03/26/21 07:21	1
1,1-Dichloroethane	ND		8.1		ug/m3			03/26/21 07:21	1
1,1-Dichloroethene	ND		4.0		ug/m3			03/26/21 07:21	1
1,2,4-Trichlorobenzene	ND		15		ug/m3			03/26/21 07:21	1
1,2,4-Trimethylbenzene	ND		9.8		ug/m3			03/26/21 07:21	1
1,2-Dibromoethane	ND		15		ug/m3			03/26/21 07:21	1
1,2-Dichlorobenzene	ND		12		ug/m3			03/26/21 07:21	1
1,2-Dichloroethane	14		8.1		ug/m3			03/26/21 07:21	1
1,2-Dichloropropane	ND		9.2		ug/m3			03/26/21 07:21	1
1,2-Dichlorotetrafluoroethane	ND		14		ug/m3			03/26/21 07:21	1
1,3,5-Trimethylbenzene	ND		9.8		ug/m3			03/26/21 07:21	1
1,3-Dichlorobenzene	ND		12		ug/m3			03/26/21 07:21	1
1,4-Dichlorobenzene	ND		12		ug/m3			03/26/21 07:21	1
1,4-Dioxane	ND		18		ug/m3			03/26/21 07:21	1
2,2,4-Trimethylpentane	ND		23		ug/m3			03/26/21 07:21	1
2-Butanone	ND		24		ug/m3			03/26/21 07:21	1
4-Methyl-2-pentanone (MIBK)	ND		20		ug/m3			03/26/21 07:21	1
Benzene	ND		6.4		ug/m3			03/26/21 07:21	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22399-1

Client Sample ID: FD-031821-1

Lab Sample ID: 140-22399-4

Date Collected: 03/18/21 00:00

Matrix: Air

Date Received: 03/22/21 09:30

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzyl chloride	ND		21		ug/m3			03/26/21 07:21	1
Bromodichloromethane	ND		13		ug/m3			03/26/21 07:21	1
Bromoform	ND		21		ug/m3			03/26/21 07:21	1
Bromomethane	ND		7.8		ug/m3			03/26/21 07:21	1
Carbon tetrachloride	ND		5.0		ug/m3			03/26/21 07:21	1
Chlorobenzene	ND		9.2		ug/m3			03/26/21 07:21	1
Chloroethane	ND		5.3		ug/m3			03/26/21 07:21	1
Chloroform	ND		9.8		ug/m3			03/26/21 07:21	1
Chloromethane	ND		10		ug/m3			03/26/21 07:21	1
cis-1,2-Dichloroethene	ND		4.0		ug/m3			03/26/21 07:21	1
cis-1,3-Dichloropropene	ND		9.1		ug/m3			03/26/21 07:21	1
Cyclohexane	24	Cl	17		ug/m3			03/26/21 07:21	1
Dibromochloromethane	ND		17		ug/m3			03/26/21 07:21	1
Dichlorodifluoromethane	ND		9.9		ug/m3			03/26/21 07:21	1
Ethanol	ND		94		ug/m3			03/26/21 07:21	1
Ethylbenzene	ND		8.7		ug/m3			03/26/21 07:21	1
Hexachlorobutadiene	ND		21		ug/m3			03/26/21 07:21	1
Hexane	ND		18		ug/m3			03/26/21 07:21	1
Methyl tert-butyl ether	ND		14		ug/m3			03/26/21 07:21	1
Methylene Chloride	ND		35		ug/m3			03/26/21 07:21	1
m-Xylene & p-Xylene	ND		8.7		ug/m3			03/26/21 07:21	1
Naphthalene	ND		26		ug/m3			03/26/21 07:21	1
o-Xylene	ND		8.7		ug/m3			03/26/21 07:21	1
Styrene	ND		8.5		ug/m3			03/26/21 07:21	1
t-Butyl alcohol	ND		24		ug/m3			03/26/21 07:21	1
Tetrachloroethene	ND		14		ug/m3			03/26/21 07:21	1
Toluene	ND		11		ug/m3			03/26/21 07:21	1
trans-1,2-Dichloroethene	ND		7.9		ug/m3			03/26/21 07:21	1
trans-1,3-Dichloropropene	ND		9.1		ug/m3			03/26/21 07:21	1
Trichloroethene	ND		4.8		ug/m3			03/26/21 07:21	1
Trichlorofluoromethane	ND		11		ug/m3			03/26/21 07:21	1
Vinyl chloride	ND		2.6		ug/m3			03/26/21 07:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		60 - 140		03/26/21 07:21	1

Client Sample ID: 224121-IA-109

Lab Sample ID: 140-22399-5

Date Collected: 03/18/21 10:19

Matrix: Air

Date Received: 03/22/21 09:30

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.080		ppb v/v			03/25/21 21:43	1
1,1,2,2-Tetrachloroethane	ND		0.080		ppb v/v			03/25/21 21:43	1
1,1,2-Trichloroethane	ND		0.080		ppb v/v			03/25/21 21:43	1
1,1,2-Trichlorotrifluoroethane	ND		0.080		ppb v/v			03/25/21 21:43	1
1,1-Dichloroethane	ND		0.080		ppb v/v			03/25/21 21:43	1
1,1-Dichloroethene	ND		0.040		ppb v/v			03/25/21 21:43	1

Eurofins TestAmerica, Knoxville

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22399-1

Client Sample ID: 224121-IA-109

Lab Sample ID: 140-22399-5

Date Collected: 03/18/21 10:19

Matrix: Air

Date Received: 03/22/21 09:30

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.080		ppb v/v			03/25/21 21:43	1
1,2,4-Trimethylbenzene	0.11		0.080		ppb v/v			03/25/21 21:43	1
1,2-Dibromoethane	ND		0.080		ppb v/v			03/25/21 21:43	1
1,2-Dichlorobenzene	ND		0.080		ppb v/v			03/25/21 21:43	1
1,2-Dichloroethane	0.13		0.080		ppb v/v			03/25/21 21:43	1
1,2-Dichloropropane	ND		0.080		ppb v/v			03/25/21 21:43	1
1,2-Dichlorotetrafluoroethane	ND		0.080		ppb v/v			03/25/21 21:43	1
1,3,5-Trimethylbenzene	ND		0.080		ppb v/v			03/25/21 21:43	1
1,3-Dichlorobenzene	ND		0.080		ppb v/v			03/25/21 21:43	1
1,4-Dichlorobenzene	0.47		0.080		ppb v/v			03/25/21 21:43	1
1,4-Dioxane	ND		0.20		ppb v/v			03/25/21 21:43	1
2,2,4-Trimethylpentane	ND		0.20		ppb v/v			03/25/21 21:43	1
2-Butanone	0.35		0.32		ppb v/v			03/25/21 21:43	1
4-Methyl-2-pentanone (MIBK)	ND		0.20		ppb v/v			03/25/21 21:43	1
Benzene	0.34		0.080		ppb v/v			03/25/21 21:43	1
Benzyl chloride	ND		0.16		ppb v/v			03/25/21 21:43	1
Bromodichloromethane	ND		0.080		ppb v/v			03/25/21 21:43	1
Bromoform	ND		0.080		ppb v/v			03/25/21 21:43	1
Bromomethane	ND		0.080		ppb v/v			03/25/21 21:43	1
Carbon tetrachloride	0.066		0.032		ppb v/v			03/25/21 21:43	1
Chlorobenzene	ND		0.080		ppb v/v			03/25/21 21:43	1
Chloroethane	ND		0.080		ppb v/v			03/25/21 21:43	1
Chloroform	ND		0.080		ppb v/v			03/25/21 21:43	1
Chloromethane	0.64		0.20		ppb v/v			03/25/21 21:43	1
cis-1,2-Dichloroethene	ND		0.040		ppb v/v			03/25/21 21:43	1
cis-1,3-Dichloropropene	ND		0.080		ppb v/v			03/25/21 21:43	1
Cyclohexane	ND		0.20		ppb v/v			03/25/21 21:43	1
Dibromochloromethane	ND		0.080		ppb v/v			03/25/21 21:43	1
Dichlorodifluoromethane	0.24		0.080		ppb v/v			03/25/21 21:43	1
Ethanol	110	E	2.0		ppb v/v			03/25/21 21:43	1
Ethylbenzene	0.14		0.080		ppb v/v			03/25/21 21:43	1
Hexachlorobutadiene	ND		0.080		ppb v/v			03/25/21 21:43	1
Hexane	0.33		0.20		ppb v/v			03/25/21 21:43	1
Methyl tert-butyl ether	ND		0.16		ppb v/v			03/25/21 21:43	1
Methylene Chloride	1.1		0.40		ppb v/v			03/25/21 21:43	1
m-Xylene & p-Xylene	0.49		0.080		ppb v/v			03/25/21 21:43	1
Naphthalene	ND		0.20		ppb v/v			03/25/21 21:43	1
o-Xylene	0.16		0.080		ppb v/v			03/25/21 21:43	1
Styrene	ND		0.080		ppb v/v			03/25/21 21:43	1
t-Butyl alcohol	ND		0.32		ppb v/v			03/25/21 21:43	1
Tetrachloroethene	0.19		0.080		ppb v/v			03/25/21 21:43	1
Toluene	1.3		0.12		ppb v/v			03/25/21 21:43	1
trans-1,2-Dichloroethene	ND		0.080		ppb v/v			03/25/21 21:43	1
trans-1,3-Dichloropropene	ND		0.080		ppb v/v			03/25/21 21:43	1
Trichloroethene	ND		0.036		ppb v/v			03/25/21 21:43	1
Trichlorofluoromethane	0.32		0.080		ppb v/v			03/25/21 21:43	1
Vinyl chloride	ND		0.040		ppb v/v			03/25/21 21:43	1

Client Sample Results

Client: New York State D.E.C.
 Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22399-1

Client Sample ID: 224121-IA-109

Lab Sample ID: 140-22399-5

Date Collected: 03/18/21 10:19

Matrix: Air

Date Received: 03/22/21 09:30

Sample Container: Summa Canister 6L

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.44		ug/m3			03/25/21 21:43	1
1,1,2,2-Tetrachloroethane	ND		0.55		ug/m3			03/25/21 21:43	1
1,1,2-Trichloroethane	ND		0.44		ug/m3			03/25/21 21:43	1
1,1,2-Trichlorotrifluoroethane	ND		0.61		ug/m3			03/25/21 21:43	1
1,1-Dichloroethane	ND		0.32		ug/m3			03/25/21 21:43	1
1,1-Dichloroethene	ND		0.16		ug/m3			03/25/21 21:43	1
1,2,4-Trichlorobenzene	ND		0.59		ug/m3			03/25/21 21:43	1
1,2,4-Trimethylbenzene	0.55		0.39		ug/m3			03/25/21 21:43	1
1,2-Dibromoethane	ND		0.61		ug/m3			03/25/21 21:43	1
1,2-Dichlorobenzene	ND		0.48		ug/m3			03/25/21 21:43	1
1,2-Dichloroethane	0.52		0.32		ug/m3			03/25/21 21:43	1
1,2-Dichloropropane	ND		0.37		ug/m3			03/25/21 21:43	1
1,2-Dichlorotetrafluoroethane	ND		0.56		ug/m3			03/25/21 21:43	1
1,3,5-Trimethylbenzene	ND		0.39		ug/m3			03/25/21 21:43	1
1,3-Dichlorobenzene	ND		0.48		ug/m3			03/25/21 21:43	1
1,4-Dichlorobenzene	2.8		0.48		ug/m3			03/25/21 21:43	1
1,4-Dioxane	ND		0.72		ug/m3			03/25/21 21:43	1
2,2,4-Trimethylpentane	ND		0.93		ug/m3			03/25/21 21:43	1
2-Butanone	1.0		0.94		ug/m3			03/25/21 21:43	1
4-Methyl-2-pentanone (MIBK)	ND		0.82		ug/m3			03/25/21 21:43	1
Benzene	1.1		0.26		ug/m3			03/25/21 21:43	1
Benzyl chloride	ND		0.83		ug/m3			03/25/21 21:43	1
Bromodichloromethane	ND		0.54		ug/m3			03/25/21 21:43	1
Bromoform	ND		0.83		ug/m3			03/25/21 21:43	1
Bromomethane	ND		0.31		ug/m3			03/25/21 21:43	1
Carbon tetrachloride	0.41		0.20		ug/m3			03/25/21 21:43	1
Chlorobenzene	ND		0.37		ug/m3			03/25/21 21:43	1
Chloroethane	ND		0.21		ug/m3			03/25/21 21:43	1
Chloroform	ND		0.39		ug/m3			03/25/21 21:43	1
Chloromethane	1.3		0.41		ug/m3			03/25/21 21:43	1
cis-1,2-Dichloroethene	ND		0.16		ug/m3			03/25/21 21:43	1
cis-1,3-Dichloropropene	ND		0.36		ug/m3			03/25/21 21:43	1
Cyclohexane	ND		0.69		ug/m3			03/25/21 21:43	1
Dibromochloromethane	ND		0.68		ug/m3			03/25/21 21:43	1
Dichlorodifluoromethane	1.2		0.40		ug/m3			03/25/21 21:43	1
Ethanol	270	210-E	3.8		ug/m3			03/25/21 21:43	1
Ethylbenzene	0.62		0.35		ug/m3			03/25/21 21:43	1
Hexachlorobutadiene	ND		0.85		ug/m3			03/25/21 21:43	1
Hexane	1.2		0.70		ug/m3			03/25/21 21:43	1
Methyl tert-butyl ether	ND		0.58		ug/m3			03/25/21 21:43	1
Methylene Chloride	3.9		1.4		ug/m3			03/25/21 21:43	1
m-Xylene & p-Xylene	2.1		0.35		ug/m3			03/25/21 21:43	1
Naphthalene	ND		1.0		ug/m3			03/25/21 21:43	1
o-Xylene	0.70		0.35		ug/m3			03/25/21 21:43	1
Styrene	ND		0.34		ug/m3			03/25/21 21:43	1
t-Butyl alcohol	ND		0.97		ug/m3			03/25/21 21:43	1
Tetrachloroethene	1.3		0.54		ug/m3			03/25/21 21:43	1
Toluene	5.0		0.45		ug/m3			03/25/21 21:43	1
trans-1,2-Dichloroethene	ND		0.32		ug/m3			03/25/21 21:43	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22399-1

Client Sample ID: 224121-IA-109

Lab Sample ID: 140-22399-5

Date Collected: 03/18/21 10:19

Matrix: Air

Date Received: 03/22/21 09:30

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	ND		0.36		ug/m3			03/25/21 21:43	1
Trichloroethene	ND		0.19		ug/m3			03/25/21 21:43	1
Trichlorofluoromethane	1.8		0.45		ug/m3			03/25/21 21:43	1
Vinyl chloride	ND		0.10		ug/m3			03/25/21 21:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		60 - 140					03/25/21 21:43	1

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethanol	150	D	10		ppb v/v			03/26/21 21:04	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethanol	270	D	19		ug/m3			03/26/21 21:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		60 - 140					03/26/21 21:04	1

Client Sample ID: FD-031821-2

Lab Sample ID: 140-22399-6

Date Collected: 03/18/21 00:00

Matrix: Air

Date Received: 03/22/21 09:30

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.080		ppb v/v			03/25/21 22:34	1
1,1,2,2-Tetrachloroethane	ND		0.080		ppb v/v			03/25/21 22:34	1
1,1,2-Trichloroethane	ND		0.080		ppb v/v			03/25/21 22:34	1
1,1,2-Trichlorotrifluoroethane	ND		0.080		ppb v/v			03/25/21 22:34	1
1,1-Dichloroethane	ND		0.080		ppb v/v			03/25/21 22:34	1
1,1-Dichloroethene	ND		0.040		ppb v/v			03/25/21 22:34	1
1,2,4-Trichlorobenzene	ND		0.080		ppb v/v			03/25/21 22:34	1
1,2,4-Trimethylbenzene	0.13		0.080		ppb v/v			03/25/21 22:34	1
1,2-Dibromoethane	ND		0.080		ppb v/v			03/25/21 22:34	1
1,2-Dichlorobenzene	ND		0.080		ppb v/v			03/25/21 22:34	1
1,2-Dichloroethane	0.13		0.080		ppb v/v			03/25/21 22:34	1
1,2-Dichloropropane	ND		0.080		ppb v/v			03/25/21 22:34	1
1,2-Dichlorotetrafluoroethane	ND		0.080		ppb v/v			03/25/21 22:34	1
1,3,5-Trimethylbenzene	ND		0.080		ppb v/v			03/25/21 22:34	1
1,3-Dichlorobenzene	ND		0.080		ppb v/v			03/25/21 22:34	1
1,4-Dichlorobenzene	0.52		0.080		ppb v/v			03/25/21 22:34	1
1,4-Dioxane	ND		0.20		ppb v/v			03/25/21 22:34	1
2,2,4-Trimethylpentane	ND		0.20		ppb v/v			03/25/21 22:34	1
2-Butanone	0.42		0.32		ppb v/v			03/25/21 22:34	1
4-Methyl-2-pentanone (MIBK)	ND		0.20		ppb v/v			03/25/21 22:34	1
Benzene	0.33		0.080		ppb v/v			03/25/21 22:34	1
Benzyl chloride	ND		0.16		ppb v/v			03/25/21 22:34	1
Bromodichloromethane	ND		0.080		ppb v/v			03/25/21 22:34	1
Bromoform	ND		0.080		ppb v/v			03/25/21 22:34	1
Bromomethane	ND		0.080		ppb v/v			03/25/21 22:34	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22399-1

Client Sample ID: FD-031821-2

Lab Sample ID: 140-22399-6

Date Collected: 03/18/21 00:00

Matrix: Air

Date Received: 03/22/21 09:30

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	0.086		0.032		ppb v/v			03/25/21 22:34	1
Chlorobenzene	ND		0.080		ppb v/v			03/25/21 22:34	1
Chloroethane	ND		0.080		ppb v/v			03/25/21 22:34	1
Chloroform	ND		0.080		ppb v/v			03/25/21 22:34	1
Chloromethane	0.48		0.20		ppb v/v			03/25/21 22:34	1
cis-1,2-Dichloroethene	ND		0.040		ppb v/v			03/25/21 22:34	1
cis-1,3-Dichloropropene	ND		0.080		ppb v/v			03/25/21 22:34	1
Cyclohexane	ND		0.20		ppb v/v			03/25/21 22:34	1
Dibromochloromethane	ND		0.080		ppb v/v			03/25/21 22:34	1
Dichlorodifluoromethane	0.28		0.080		ppb v/v			03/25/21 22:34	1
Ethanol	120	E	2.0		ppb v/v			03/25/21 22:34	1
Ethylbenzene	0.15		0.080		ppb v/v			03/25/21 22:34	1
Hexachlorobutadiene	ND		0.080		ppb v/v			03/25/21 22:34	1
Hexane	0.35		0.20		ppb v/v			03/25/21 22:34	1
Methyl tert-butyl ether	ND		0.16		ppb v/v			03/25/21 22:34	1
Methylene Chloride	1.3		0.40		ppb v/v			03/25/21 22:34	1
m-Xylene & p-Xylene	0.51		0.080		ppb v/v			03/25/21 22:34	1
Naphthalene	ND		0.20		ppb v/v			03/25/21 22:34	1
o-Xylene	0.18		0.080		ppb v/v			03/25/21 22:34	1
Styrene	ND		0.080		ppb v/v			03/25/21 22:34	1
t-Butyl alcohol	ND		0.32		ppb v/v			03/25/21 22:34	1
Tetrachloroethene	0.20		0.080		ppb v/v			03/25/21 22:34	1
Toluene	1.3		0.12		ppb v/v			03/25/21 22:34	1
trans-1,2-Dichloroethene	ND		0.080		ppb v/v			03/25/21 22:34	1
trans-1,3-Dichloropropene	ND		0.080		ppb v/v			03/25/21 22:34	1
Trichloroethene	ND		0.036		ppb v/v			03/25/21 22:34	1
Trichlorofluoromethane	0.33		0.080		ppb v/v			03/25/21 22:34	1
Vinyl chloride	ND		0.040		ppb v/v			03/25/21 22:34	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.44		ug/m3			03/25/21 22:34	1
1,1,2,2-Tetrachloroethane	ND		0.55		ug/m3			03/25/21 22:34	1
1,1,2-Trichloroethane	ND		0.44		ug/m3			03/25/21 22:34	1
1,1,2-Trichlorotrifluoroethane	ND		0.61		ug/m3			03/25/21 22:34	1
1,1-Dichloroethane	ND		0.32		ug/m3			03/25/21 22:34	1
1,1-Dichloroethene	ND		0.16		ug/m3			03/25/21 22:34	1
1,2,4-Trichlorobenzene	ND		0.59		ug/m3			03/25/21 22:34	1
1,2,4-Trimethylbenzene	0.63		0.39		ug/m3			03/25/21 22:34	1
1,2-Dibromoethane	ND		0.61		ug/m3			03/25/21 22:34	1
1,2-Dichlorobenzene	ND		0.48		ug/m3			03/25/21 22:34	1
1,2-Dichloroethane	0.53		0.32		ug/m3			03/25/21 22:34	1
1,2-Dichloropropane	ND		0.37		ug/m3			03/25/21 22:34	1
1,2-Dichlorotetrafluoroethane	ND		0.56		ug/m3			03/25/21 22:34	1
1,3,5-Trimethylbenzene	ND		0.39		ug/m3			03/25/21 22:34	1
1,3-Dichlorobenzene	ND		0.48		ug/m3			03/25/21 22:34	1
1,4-Dichlorobenzene	3.1		0.48		ug/m3			03/25/21 22:34	1
1,4-Dioxane	ND		0.72		ug/m3			03/25/21 22:34	1
2,2,4-Trimethylpentane	ND		0.93		ug/m3			03/25/21 22:34	1
2-Butanone	1.2		0.94		ug/m3			03/25/21 22:34	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22399-1

Client Sample ID: FD-031821-2

Lab Sample ID: 140-22399-6

Date Collected: 03/18/21 00:00

Matrix: Air

Date Received: 03/22/21 09:30

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone (MIBK)	ND		0.82		ug/m3			03/25/21 22:34	1
Benzene	1.1		0.26		ug/m3			03/25/21 22:34	1
Benzyl chloride	ND		0.83		ug/m3			03/25/21 22:34	1
Bromodichloromethane	ND		0.54		ug/m3			03/25/21 22:34	1
Bromoform	ND		0.83		ug/m3			03/25/21 22:34	1
Bromomethane	ND		0.31		ug/m3			03/25/21 22:34	1
Carbon tetrachloride	0.54		0.20		ug/m3			03/25/21 22:34	1
Chlorobenzene	ND		0.37		ug/m3			03/25/21 22:34	1
Chloroethane	ND		0.21		ug/m3			03/25/21 22:34	1
Chloroform	ND		0.39		ug/m3			03/25/21 22:34	1
Chloromethane	1.0		0.41		ug/m3			03/25/21 22:34	1
cis-1,2-Dichloroethene	ND		0.16		ug/m3			03/25/21 22:34	1
cis-1,3-Dichloropropene	ND		0.36		ug/m3			03/25/21 22:34	1
Cyclohexane	ND		0.69		ug/m3			03/25/21 22:34	1
Dibromochloromethane	ND		0.68		ug/m3			03/25/21 22:34	1
Dichlorodifluoromethane	1.4		0.40		ug/m3			03/25/21 22:34	1
Ethanol	310	220--E--	3.8		ug/m3			03/25/21 22:34	1
Ethylbenzene	0.63		0.35		ug/m3			03/25/21 22:34	1
Hexachlorobutadiene	ND		0.85		ug/m3			03/25/21 22:34	1
Hexane	1.2		0.70		ug/m3			03/25/21 22:34	1
Methyl tert-butyl ether	ND		0.58		ug/m3			03/25/21 22:34	1
Methylene Chloride	4.5		1.4		ug/m3			03/25/21 22:34	1
m-Xylene & p-Xylene	2.2		0.35		ug/m3			03/25/21 22:34	1
Naphthalene	ND		1.0		ug/m3			03/25/21 22:34	1
o-Xylene	0.79		0.35		ug/m3			03/25/21 22:34	1
Styrene	ND		0.34		ug/m3			03/25/21 22:34	1
t-Butyl alcohol	ND		0.97		ug/m3			03/25/21 22:34	1
Tetrachloroethene	1.3		0.54		ug/m3			03/25/21 22:34	1
Toluene	5.0		0.45		ug/m3			03/25/21 22:34	1
trans-1,2-Dichloroethene	ND		0.32		ug/m3			03/25/21 22:34	1
trans-1,3-Dichloropropene	ND		0.36		ug/m3			03/25/21 22:34	1
Trichloroethene	ND		0.19		ug/m3			03/25/21 22:34	1
Trichlorofluoromethane	1.8		0.45		ug/m3			03/25/21 22:34	1
Vinyl chloride	ND		0.10		ug/m3			03/25/21 22:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		60 - 140		03/25/21 22:34	1

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethanol	160	D	10		ppb v/v			03/26/21 21:52	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethanol	310	D	19		ug/m3			03/26/21 21:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		60 - 140		03/26/21 21:52	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22399-1

Client Sample ID: 224121-OA-109

Lab Sample ID: 140-22399-7

Date Collected: 03/18/21 10:21

Matrix: Air

Date Received: 03/22/21 09:30

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.080		ppb v/v			03/25/21 13:10	1
1,1,2,2-Tetrachloroethane	ND		0.080		ppb v/v			03/25/21 13:10	1
1,1,2-Trichloroethane	ND		0.080		ppb v/v			03/25/21 13:10	1
1,1,2-Trichlorotrifluoroethane	ND		0.080		ppb v/v			03/25/21 13:10	1
1,1-Dichloroethane	ND		0.080		ppb v/v			03/25/21 13:10	1
1,1-Dichloroethene	ND		0.040		ppb v/v			03/25/21 13:10	1
1,2,4-Trichlorobenzene	ND		0.080		ppb v/v			03/25/21 13:10	1
1,2,4-Trimethylbenzene	ND		0.080		ppb v/v			03/25/21 13:10	1
1,2-Dibromoethane	ND		0.080		ppb v/v			03/25/21 13:10	1
1,2-Dichlorobenzene	ND		0.080		ppb v/v			03/25/21 13:10	1
1,2-Dichloroethane	ND		0.080		ppb v/v			03/25/21 13:10	1
1,2-Dichloropropane	ND		0.080		ppb v/v			03/25/21 13:10	1
1,2-Dichlorotetrafluoroethane	ND		0.080		ppb v/v			03/25/21 13:10	1
1,3,5-Trimethylbenzene	ND		0.080		ppb v/v			03/25/21 13:10	1
1,3-Dichlorobenzene	ND		0.080		ppb v/v			03/25/21 13:10	1
1,4-Dichlorobenzene	ND		0.080		ppb v/v			03/25/21 13:10	1
1,4-Dioxane	ND		0.20		ppb v/v			03/25/21 13:10	1
2,2,4-Trimethylpentane	ND		0.20		ppb v/v			03/25/21 13:10	1
2-Butanone	1.1		0.32		ppb v/v			03/25/21 13:10	1
4-Methyl-2-pentanone (MIBK)	ND		0.20		ppb v/v			03/25/21 13:10	1
Benzene	0.24		0.080		ppb v/v			03/25/21 13:10	1
Benzyl chloride	ND		0.16		ppb v/v			03/25/21 13:10	1
Bromodichloromethane	ND		0.080		ppb v/v			03/25/21 13:10	1
Bromoform	ND		0.080		ppb v/v			03/25/21 13:10	1
Bromomethane	ND		0.080		ppb v/v			03/25/21 13:10	1
Carbon tetrachloride	0.085		0.032		ppb v/v			03/25/21 13:10	1
Chlorobenzene	ND		0.080		ppb v/v			03/25/21 13:10	1
Chloroethane	ND		0.080		ppb v/v			03/25/21 13:10	1
Chloroform	ND		0.080		ppb v/v			03/25/21 13:10	1
Chloromethane	0.64		0.20		ppb v/v			03/25/21 13:10	1
cis-1,2-Dichloroethene	ND		0.040		ppb v/v			03/25/21 13:10	1
cis-1,3-Dichloropropene	ND		0.080		ppb v/v			03/25/21 13:10	1
Cyclohexane	ND		0.20		ppb v/v			03/25/21 13:10	1
Dibromochloromethane	ND		0.080		ppb v/v			03/25/21 13:10	1
Dichlorodifluoromethane	0.26		0.080		ppb v/v			03/25/21 13:10	1
Ethanol	13		2.0		ppb v/v			03/25/21 13:10	1
Ethylbenzene	0.11		0.080		ppb v/v			03/25/21 13:10	1
Hexachlorobutadiene	ND		0.080		ppb v/v			03/25/21 13:10	1
Hexane	0.30		0.20		ppb v/v			03/25/21 13:10	1
Methyl tert-butyl ether	ND		0.16		ppb v/v			03/25/21 13:10	1
Methylene Chloride	0.40		0.40		ppb v/v			03/25/21 13:10	1
m-Xylene & p-Xylene	0.37		0.080		ppb v/v			03/25/21 13:10	1
Naphthalene	ND		0.20		ppb v/v			03/25/21 13:10	1
o-Xylene	0.14		0.080		ppb v/v			03/25/21 13:10	1
Styrene	ND		0.080		ppb v/v			03/25/21 13:10	1
t-Butyl alcohol	ND		0.32		ppb v/v			03/25/21 13:10	1
Tetrachloroethene	ND		0.080		ppb v/v			03/25/21 13:10	1
Toluene	1.4		0.12		ppb v/v			03/25/21 13:10	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22399-1

Client Sample ID: 224121-OA-109

Lab Sample ID: 140-22399-7

Date Collected: 03/18/21 10:21

Matrix: Air

Date Received: 03/22/21 09:30

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		0.080		ppb v/v			03/25/21 13:10	1
trans-1,3-Dichloropropene	ND		0.080		ppb v/v			03/25/21 13:10	1
Trichloroethene	ND		0.036		ppb v/v			03/25/21 13:10	1
Trichlorofluoromethane	0.24		0.080		ppb v/v			03/25/21 13:10	1
Vinyl chloride	ND		0.040		ppb v/v			03/25/21 13:10	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.44		ug/m3			03/25/21 13:10	1
1,1,2,2-Tetrachloroethane	ND		0.55		ug/m3			03/25/21 13:10	1
1,1,2-Trichloroethane	ND		0.44		ug/m3			03/25/21 13:10	1
1,1,2-Trichlorotrifluoroethane	ND		0.61		ug/m3			03/25/21 13:10	1
1,1-Dichloroethane	ND		0.32		ug/m3			03/25/21 13:10	1
1,1-Dichloroethene	ND		0.16		ug/m3			03/25/21 13:10	1
1,2,4-Trichlorobenzene	ND		0.59		ug/m3			03/25/21 13:10	1
1,2,4-Trimethylbenzene	ND		0.39		ug/m3			03/25/21 13:10	1
1,2-Dibromoethane	ND		0.61		ug/m3			03/25/21 13:10	1
1,2-Dichlorobenzene	ND		0.48		ug/m3			03/25/21 13:10	1
1,2-Dichloroethane	ND		0.32		ug/m3			03/25/21 13:10	1
1,2-Dichloropropane	ND		0.37		ug/m3			03/25/21 13:10	1
1,2-Dichlorotetrafluoroethane	ND		0.56		ug/m3			03/25/21 13:10	1
1,3,5-Trimethylbenzene	ND		0.39		ug/m3			03/25/21 13:10	1
1,3-Dichlorobenzene	ND		0.48		ug/m3			03/25/21 13:10	1
1,4-Dichlorobenzene	ND		0.48		ug/m3			03/25/21 13:10	1
1,4-Dioxane	ND		0.72		ug/m3			03/25/21 13:10	1
2,2,4-Trimethylpentane	ND		0.93		ug/m3			03/25/21 13:10	1
2-Butanone	3.1		0.94		ug/m3			03/25/21 13:10	1
4-Methyl-2-pentanone (MIBK)	ND		0.82		ug/m3			03/25/21 13:10	1
Benzene	0.76		0.26		ug/m3			03/25/21 13:10	1
Benzyl chloride	ND		0.83		ug/m3			03/25/21 13:10	1
Bromodichloromethane	ND		0.54		ug/m3			03/25/21 13:10	1
Bromoform	ND		0.83		ug/m3			03/25/21 13:10	1
Bromomethane	ND		0.31		ug/m3			03/25/21 13:10	1
Carbon tetrachloride	0.54		0.20		ug/m3			03/25/21 13:10	1
Chlorobenzene	ND		0.37		ug/m3			03/25/21 13:10	1
Chloroethane	ND		0.21		ug/m3			03/25/21 13:10	1
Chloroform	ND		0.39		ug/m3			03/25/21 13:10	1
Chloromethane	1.3		0.41		ug/m3			03/25/21 13:10	1
cis-1,2-Dichloroethene	ND		0.16		ug/m3			03/25/21 13:10	1
cis-1,3-Dichloropropene	ND		0.36		ug/m3			03/25/21 13:10	1
Cyclohexane	ND		0.69		ug/m3			03/25/21 13:10	1
Dibromochloromethane	ND		0.68		ug/m3			03/25/21 13:10	1
Dichlorodifluoromethane	1.3		0.40		ug/m3			03/25/21 13:10	1
Ethanol	24		3.8		ug/m3			03/25/21 13:10	1
Ethylbenzene	0.46		0.35		ug/m3			03/25/21 13:10	1
Hexachlorobutadiene	ND		0.85		ug/m3			03/25/21 13:10	1
Hexane	1.1		0.70		ug/m3			03/25/21 13:10	1
Methyl tert-butyl ether	ND		0.58		ug/m3			03/25/21 13:10	1
Methylene Chloride	1.4		1.4		ug/m3			03/25/21 13:10	1
m-Xylene & p-Xylene	1.6		0.35		ug/m3			03/25/21 13:10	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22399-1

Client Sample ID: 224121-OA-109

Lab Sample ID: 140-22399-7

Date Collected: 03/18/21 10:21

Matrix: Air

Date Received: 03/22/21 09:30

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		1.0		ug/m3			03/25/21 13:10	1
o-Xylene	0.60		0.35		ug/m3			03/25/21 13:10	1
Styrene	ND		0.34		ug/m3			03/25/21 13:10	1
t-Butyl alcohol	ND		0.97		ug/m3			03/25/21 13:10	1
Tetrachloroethene	ND		0.54		ug/m3			03/25/21 13:10	1
Toluene	5.2		0.45		ug/m3			03/25/21 13:10	1
trans-1,2-Dichloroethene	ND		0.32		ug/m3			03/25/21 13:10	1
trans-1,3-Dichloropropene	ND		0.36		ug/m3			03/25/21 13:10	1
Trichloroethene	ND		0.19		ug/m3			03/25/21 13:10	1
Trichlorofluoromethane	1.3		0.45		ug/m3			03/25/21 13:10	1
Vinyl chloride	ND		0.10		ug/m3			03/25/21 13:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		60 - 140		03/25/21 13:10	1

Client Sample ID: 224121-SS-110

Lab Sample ID: 140-22399-8

Date Collected: 03/18/21 12:30

Matrix: Air

Date Received: 03/22/21 09:30

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.080		ppb v/v			03/25/21 17:22	1
1,1,2,2-Tetrachloroethane	ND		0.080		ppb v/v			03/25/21 17:22	1
1,1,2-Trichloroethane	ND		0.080		ppb v/v			03/25/21 17:22	1
1,1,2-Trichlorotrifluoroethane	0.10		0.080		ppb v/v			03/25/21 17:22	1
1,1-Dichloroethane	0.59		0.080		ppb v/v			03/25/21 17:22	1
1,1-Dichloroethene	0.29		0.040		ppb v/v			03/25/21 17:22	1
1,2,4-Trichlorobenzene	ND		0.080		ppb v/v			03/25/21 17:22	1
1,2,4-Trimethylbenzene	ND		0.080		ppb v/v			03/25/21 17:22	1
1,2-Dibromoethane	ND		0.080		ppb v/v			03/25/21 17:22	1
1,2-Dichlorobenzene	ND		0.080		ppb v/v			03/25/21 17:22	1
1,2-Dichloroethane	2.0		0.080		ppb v/v			03/25/21 17:22	1
1,2-Dichloropropane	0.12		0.080		ppb v/v			03/25/21 17:22	1
1,2-Dichlorotetrafluoroethane	ND		0.080		ppb v/v			03/25/21 17:22	1
1,3,5-Trimethylbenzene	ND		0.080		ppb v/v			03/25/21 17:22	1
1,3-Dichlorobenzene	ND		0.080		ppb v/v			03/25/21 17:22	1
1,4-Dichlorobenzene	ND		0.080		ppb v/v			03/25/21 17:22	1
1,4-Dioxane	ND		0.20		ppb v/v			03/25/21 17:22	1
2,2,4-Trimethylpentane	ND		0.20		ppb v/v			03/25/21 17:22	1
2-Butanone	1.0		0.32		ppb v/v			03/25/21 17:22	1
4-Methyl-2-pentanone (MIBK)	ND		0.20		ppb v/v			03/25/21 17:22	1
Benzene	0.12		0.080		ppb v/v			03/25/21 17:22	1
Benzyl chloride	ND		0.16		ppb v/v			03/25/21 17:22	1
Bromodichloromethane	5.7		0.080		ppb v/v			03/25/21 17:22	1
Bromoform	0.84		0.080		ppb v/v			03/25/21 17:22	1
Bromomethane	ND		0.080		ppb v/v			03/25/21 17:22	1
Carbon tetrachloride	0.47		0.032		ppb v/v			03/25/21 17:22	1
Chlorobenzene	ND		0.080		ppb v/v			03/25/21 17:22	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22399-1

Client Sample ID: 224121-SS-110

Lab Sample ID: 140-22399-8

Date Collected: 03/18/21 12:30

Matrix: Air

Date Received: 03/22/21 09:30

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	1.8		0.080		ppb v/v			03/25/21 17:22	1
Chloroform	210	E	0.080		ppb v/v			03/25/21 17:22	1
Chloromethane	0.32		0.20		ppb v/v			03/25/21 17:22	1
cis-1,2-Dichloroethene	ND		0.040		ppb v/v			03/25/21 17:22	1
cis-1,3-Dichloropropene	ND		0.080		ppb v/v			03/25/21 17:22	1
Cyclohexane	ND		0.20		ppb v/v			03/25/21 17:22	1
Dibromochloromethane	2.7		0.080		ppb v/v			03/25/21 17:22	1
Dichlorodifluoromethane	0.41		0.080		ppb v/v			03/25/21 17:22	1
Ethanol	22		2.0		ppb v/v			03/25/21 17:22	1
Ethylbenzene	ND		0.080		ppb v/v			03/25/21 17:22	1
Hexachlorobutadiene	ND		0.080		ppb v/v			03/25/21 17:22	1
Hexane	0.37		0.20		ppb v/v			03/25/21 17:22	1
Methyl tert-butyl ether	ND		0.16		ppb v/v			03/25/21 17:22	1
Methylene Chloride	0.85		0.40		ppb v/v			03/25/21 17:22	1
m-Xylene & p-Xylene	0.085		0.080		ppb v/v			03/25/21 17:22	1
Naphthalene	ND		0.20		ppb v/v			03/25/21 17:22	1
o-Xylene	ND		0.080		ppb v/v			03/25/21 17:22	1
Styrene	ND		0.080		ppb v/v			03/25/21 17:22	1
t-Butyl alcohol	0.38		0.32		ppb v/v			03/25/21 17:22	1
Tetrachloroethene	0.12		0.080		ppb v/v			03/25/21 17:22	1
Toluene	0.22		0.12		ppb v/v			03/25/21 17:22	1
trans-1,2-Dichloroethene	0.11		0.080		ppb v/v			03/25/21 17:22	1
trans-1,3-Dichloropropene	ND		0.080		ppb v/v			03/25/21 17:22	1
Trichloroethene	0.041		0.036		ppb v/v			03/25/21 17:22	1
Trichlorofluoromethane	0.36		0.080		ppb v/v			03/25/21 17:22	1
Vinyl chloride	2.1		0.040		ppb v/v			03/25/21 17:22	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.44		ug/m3			03/25/21 17:22	1
1,1,2,2-Tetrachloroethane	ND		0.55		ug/m3			03/25/21 17:22	1
1,1,2-Trichloroethane	ND		0.44		ug/m3			03/25/21 17:22	1
1,1,2-Trichlorotrifluoroethane	0.80		0.61		ug/m3			03/25/21 17:22	1
1,1-Dichloroethane	2.4		0.32		ug/m3			03/25/21 17:22	1
1,1-Dichloroethene	1.2		0.16		ug/m3			03/25/21 17:22	1
1,2,4-Trichlorobenzene	ND		0.59		ug/m3			03/25/21 17:22	1
1,2,4-Trimethylbenzene	ND		0.39		ug/m3			03/25/21 17:22	1
1,2-Dibromoethane	ND		0.61		ug/m3			03/25/21 17:22	1
1,2-Dichlorobenzene	ND		0.48		ug/m3			03/25/21 17:22	1
1,2-Dichloroethane	8.2		0.32		ug/m3			03/25/21 17:22	1
1,2-Dichloropropane	0.56		0.37		ug/m3			03/25/21 17:22	1
1,2-Dichlorotetrafluoroethane	ND		0.56		ug/m3			03/25/21 17:22	1
1,3,5-Trimethylbenzene	ND		0.39		ug/m3			03/25/21 17:22	1
1,3-Dichlorobenzene	ND		0.48		ug/m3			03/25/21 17:22	1
1,4-Dichlorobenzene	ND		0.48		ug/m3			03/25/21 17:22	1
1,4-Dioxane	ND		0.72		ug/m3			03/25/21 17:22	1
2,2,4-Trimethylpentane	ND		0.93		ug/m3			03/25/21 17:22	1
2-Butanone	3.0		0.94		ug/m3			03/25/21 17:22	1
4-Methyl-2-pentanone (MIBK)	ND		0.82		ug/m3			03/25/21 17:22	1
Benzene	0.38		0.26		ug/m3			03/25/21 17:22	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22399-1

Client Sample ID: 224121-SS-110

Lab Sample ID: 140-22399-8

Date Collected: 03/18/21 12:30

Matrix: Air

Date Received: 03/22/21 09:30

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzyl chloride	ND		0.83		ug/m3			03/25/21 17:22	1
Bromodichloromethane	38		0.54		ug/m3			03/25/21 17:22	1
Bromoform	8.7		0.83		ug/m3			03/25/21 17:22	1
Bromomethane	ND		0.31		ug/m3			03/25/21 17:22	1
Carbon tetrachloride	3.0		0.20		ug/m3			03/25/21 17:22	1
Chlorobenzene	ND		0.37		ug/m3			03/25/21 17:22	1
Chloroethane	4.8		0.21		ug/m3			03/25/21 17:22	1
Chloroform	570	-E	0.39		ug/m3			03/25/21 17:22	1
Chloromethane	0.65		0.41		ug/m3			03/25/21 17:22	1
cis-1,2-Dichloroethene	ND		0.16		ug/m3			03/25/21 17:22	1
cis-1,3-Dichloropropene	ND		0.36		ug/m3			03/25/21 17:22	1
Cyclohexane	ND		0.69		ug/m3			03/25/21 17:22	1
Dibromochloromethane	23		0.68		ug/m3			03/25/21 17:22	1
Dichlorodifluoromethane	2.0		0.40		ug/m3			03/25/21 17:22	1
Ethanol	41		3.8		ug/m3			03/25/21 17:22	1
Ethylbenzene	ND		0.35		ug/m3			03/25/21 17:22	1
Hexachlorobutadiene	ND		0.85		ug/m3			03/25/21 17:22	1
Hexane	1.3		0.70		ug/m3			03/25/21 17:22	1
Methyl tert-butyl ether	ND		0.58		ug/m3			03/25/21 17:22	1
Methylene Chloride	2.9		1.4		ug/m3			03/25/21 17:22	1
m-Xylene & p-Xylene	0.37		0.35		ug/m3			03/25/21 17:22	1
Naphthalene	ND		1.0		ug/m3			03/25/21 17:22	1
o-Xylene	ND		0.35		ug/m3			03/25/21 17:22	1
Styrene	ND		0.34		ug/m3			03/25/21 17:22	1
t-Butyl alcohol	1.2		0.97		ug/m3			03/25/21 17:22	1
Tetrachloroethene	0.81		0.54		ug/m3			03/25/21 17:22	1
Toluene	0.81		0.45		ug/m3			03/25/21 17:22	1
trans-1,2-Dichloroethene	0.45		0.32		ug/m3			03/25/21 17:22	1
trans-1,3-Dichloropropene	ND		0.36		ug/m3			03/25/21 17:22	1
Trichloroethene	0.22		0.19		ug/m3			03/25/21 17:22	1
Trichlorofluoromethane	2.0		0.45		ug/m3			03/25/21 17:22	1
Vinyl chloride	5.3		0.10		ug/m3			03/25/21 17:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		60 - 140		03/25/21 17:22	1

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	120	D	4.0		ppb v/v			03/26/21 22:37	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	570	D	20		ug/m3			03/26/21 22:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		60 - 140		03/26/21 22:37	1

Client Sample Results

Client: New York State D.E.C.
 Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22399-1

Client Sample ID: 224121-IA-110

Lab Sample ID: 140-22399-9

Date Collected: 03/18/21 12:31

Matrix: Air

Date Received: 03/22/21 09:30

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.080		ppb v/v			03/25/21 23:27	1
1,1,2,2-Tetrachloroethane	ND		0.080		ppb v/v			03/25/21 23:27	1
1,1,2-Trichloroethane	ND		0.080		ppb v/v			03/25/21 23:27	1
1,1,2-Trichlorotrifluoroethane	ND		0.080		ppb v/v			03/25/21 23:27	1
1,1-Dichloroethane	ND		0.080		ppb v/v			03/25/21 23:27	1
1,1-Dichloroethene	ND		0.040		ppb v/v			03/25/21 23:27	1
1,2,4-Trichlorobenzene	ND		0.080		ppb v/v			03/25/21 23:27	1
1,2,4-Trimethylbenzene	ND		0.080		ppb v/v			03/25/21 23:27	1
1,2-Dibromoethane	ND		0.080		ppb v/v			03/25/21 23:27	1
1,2-Dichlorobenzene	ND		0.080		ppb v/v			03/25/21 23:27	1
1,2-Dichloroethane	ND		0.080		ppb v/v			03/25/21 23:27	1
1,2-Dichloropropane	ND		0.080		ppb v/v			03/25/21 23:27	1
1,2-Dichlorotetrafluoroethane	ND		0.080		ppb v/v			03/25/21 23:27	1
1,3,5-Trimethylbenzene	ND		0.080		ppb v/v			03/25/21 23:27	1
1,3-Dichlorobenzene	ND		0.080		ppb v/v			03/25/21 23:27	1
1,4-Dichlorobenzene	ND		0.080		ppb v/v			03/25/21 23:27	1
1,4-Dioxane	ND		0.20		ppb v/v			03/25/21 23:27	1
2,2,4-Trimethylpentane	ND		0.20		ppb v/v			03/25/21 23:27	1
2-Butanone	ND		0.32		ppb v/v			03/25/21 23:27	1
4-Methyl-2-pentanone (MIBK)	ND		0.20		ppb v/v			03/25/21 23:27	1
Benzene	0.20		0.080		ppb v/v			03/25/21 23:27	1
Benzyl chloride	ND		0.16		ppb v/v			03/25/21 23:27	1
Bromodichloromethane	ND		0.080		ppb v/v			03/25/21 23:27	1
Bromoform	ND		0.080		ppb v/v			03/25/21 23:27	1
Bromomethane	ND		0.080		ppb v/v			03/25/21 23:27	1
Carbon tetrachloride	0.081		0.032		ppb v/v			03/25/21 23:27	1
Chlorobenzene	ND		0.080		ppb v/v			03/25/21 23:27	1
Chloroethane	ND		0.080		ppb v/v			03/25/21 23:27	1
Chloroform	0.11		0.080		ppb v/v			03/25/21 23:27	1
Chloromethane	0.52		0.20		ppb v/v			03/25/21 23:27	1
cis-1,2-Dichloroethene	ND		0.040		ppb v/v			03/25/21 23:27	1
cis-1,3-Dichloropropene	ND		0.080		ppb v/v			03/25/21 23:27	1
Cyclohexane	ND		0.20		ppb v/v			03/25/21 23:27	1
Dibromochloromethane	ND		0.080		ppb v/v			03/25/21 23:27	1
Dichlorodifluoromethane	0.23		0.080		ppb v/v			03/25/21 23:27	1
Ethanol	11		2.0		ppb v/v			03/25/21 23:27	1
Ethylbenzene	ND		0.080		ppb v/v			03/25/21 23:27	1
Hexachlorobutadiene	ND		0.080		ppb v/v			03/25/21 23:27	1
Hexane	ND		0.20		ppb v/v			03/25/21 23:27	1
Methyl tert-butyl ether	ND		0.16		ppb v/v			03/25/21 23:27	1
Methylene Chloride	0.40		0.40		ppb v/v			03/25/21 23:27	1
m-Xylene & p-Xylene	0.24		0.080		ppb v/v			03/25/21 23:27	1
Naphthalene	ND		0.20		ppb v/v			03/25/21 23:27	1
o-Xylene	0.087		0.080		ppb v/v			03/25/21 23:27	1
Styrene	ND		0.080		ppb v/v			03/25/21 23:27	1
t-Butyl alcohol	ND		0.32		ppb v/v			03/25/21 23:27	1
Tetrachloroethene	ND		0.080		ppb v/v			03/25/21 23:27	1
Toluene	0.62		0.12		ppb v/v			03/25/21 23:27	1

Client Sample Results

Client: New York State D.E.C.
 Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22399-1

Client Sample ID: 224121-IA-110

Lab Sample ID: 140-22399-9

Date Collected: 03/18/21 12:31

Matrix: Air

Date Received: 03/22/21 09:30

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		0.080		ppb v/v			03/25/21 23:27	1
trans-1,3-Dichloropropene	ND		0.080		ppb v/v			03/25/21 23:27	1
Trichloroethene	ND		0.036		ppb v/v			03/25/21 23:27	1
Trichlorofluoromethane	0.23		0.080		ppb v/v			03/25/21 23:27	1
Vinyl chloride	ND		0.040		ppb v/v			03/25/21 23:27	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.44		ug/m3			03/25/21 23:27	1
1,1,2,2-Tetrachloroethane	ND		0.55		ug/m3			03/25/21 23:27	1
1,1,2-Trichloroethane	ND		0.44		ug/m3			03/25/21 23:27	1
1,1,2-Trichlorotrifluoroethane	ND		0.61		ug/m3			03/25/21 23:27	1
1,1-Dichloroethane	ND		0.32		ug/m3			03/25/21 23:27	1
1,1-Dichloroethene	ND		0.16		ug/m3			03/25/21 23:27	1
1,2,4-Trichlorobenzene	ND		0.59		ug/m3			03/25/21 23:27	1
1,2,4-Trimethylbenzene	ND		0.39		ug/m3			03/25/21 23:27	1
1,2-Dibromoethane	ND		0.61		ug/m3			03/25/21 23:27	1
1,2-Dichlorobenzene	ND		0.48		ug/m3			03/25/21 23:27	1
1,2-Dichloroethane	ND		0.32		ug/m3			03/25/21 23:27	1
1,2-Dichloropropane	ND		0.37		ug/m3			03/25/21 23:27	1
1,2-Dichlorotetrafluoroethane	ND		0.56		ug/m3			03/25/21 23:27	1
1,3,5-Trimethylbenzene	ND		0.39		ug/m3			03/25/21 23:27	1
1,3-Dichlorobenzene	ND		0.48		ug/m3			03/25/21 23:27	1
1,4-Dichlorobenzene	ND		0.48		ug/m3			03/25/21 23:27	1
1,4-Dioxane	ND		0.72		ug/m3			03/25/21 23:27	1
2,2,4-Trimethylpentane	ND		0.93		ug/m3			03/25/21 23:27	1
2-Butanone	ND		0.94		ug/m3			03/25/21 23:27	1
4-Methyl-2-pentanone (MIBK)	ND		0.82		ug/m3			03/25/21 23:27	1
Benzene	0.64		0.26		ug/m3			03/25/21 23:27	1
Benzyl chloride	ND		0.83		ug/m3			03/25/21 23:27	1
Bromodichloromethane	ND		0.54		ug/m3			03/25/21 23:27	1
Bromoform	ND		0.83		ug/m3			03/25/21 23:27	1
Bromomethane	ND		0.31		ug/m3			03/25/21 23:27	1
Carbon tetrachloride	0.51		0.20		ug/m3			03/25/21 23:27	1
Chlorobenzene	ND		0.37		ug/m3			03/25/21 23:27	1
Chloroethane	ND		0.21		ug/m3			03/25/21 23:27	1
Chloroform	0.51		0.39		ug/m3			03/25/21 23:27	1
Chloromethane	1.1		0.41		ug/m3			03/25/21 23:27	1
cis-1,2-Dichloroethene	ND		0.16		ug/m3			03/25/21 23:27	1
cis-1,3-Dichloropropene	ND		0.36		ug/m3			03/25/21 23:27	1
Cyclohexane	ND		0.69		ug/m3			03/25/21 23:27	1
Dibromochloromethane	ND		0.68		ug/m3			03/25/21 23:27	1
Dichlorodifluoromethane	1.1		0.40		ug/m3			03/25/21 23:27	1
Ethanol	21		3.8		ug/m3			03/25/21 23:27	1
Ethylbenzene	ND		0.35		ug/m3			03/25/21 23:27	1
Hexachlorobutadiene	ND		0.85		ug/m3			03/25/21 23:27	1
Hexane	ND		0.70		ug/m3			03/25/21 23:27	1
Methyl tert-butyl ether	ND		0.58		ug/m3			03/25/21 23:27	1
Methylene Chloride	1.4		1.4		ug/m3			03/25/21 23:27	1
m-Xylene & p-Xylene	1.0		0.35		ug/m3			03/25/21 23:27	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22399-1

Client Sample ID: 224121-IA-110

Lab Sample ID: 140-22399-9

Date Collected: 03/18/21 12:31

Matrix: Air

Date Received: 03/22/21 09:30

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		1.0		ug/m3			03/25/21 23:27	1
o-Xylene	0.38		0.35		ug/m3			03/25/21 23:27	1
Styrene	ND		0.34		ug/m3			03/25/21 23:27	1
t-Butyl alcohol	ND		0.97		ug/m3			03/25/21 23:27	1
Tetrachloroethene	ND		0.54		ug/m3			03/25/21 23:27	1
Toluene	2.4		0.45		ug/m3			03/25/21 23:27	1
trans-1,2-Dichloroethene	ND		0.32		ug/m3			03/25/21 23:27	1
trans-1,3-Dichloropropene	ND		0.36		ug/m3			03/25/21 23:27	1
Trichloroethene	ND		0.19		ug/m3			03/25/21 23:27	1
Trichlorofluoromethane	1.3		0.45		ug/m3			03/25/21 23:27	1
Vinyl chloride	ND		0.10		ug/m3			03/25/21 23:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		60 - 140		03/25/21 23:27	1

Client Sample ID: 224121-OA-110

Lab Sample ID: 140-22399-10

Date Collected: 03/18/21 12:33

Matrix: Air

Date Received: 03/22/21 09:30

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.080		ppb v/v			03/25/21 14:03	1
1,1,2,2-Tetrachloroethane	ND		0.080		ppb v/v			03/25/21 14:03	1
1,1,2-Trichloroethane	ND		0.080		ppb v/v			03/25/21 14:03	1
1,1,2-Trichlorotrifluoroethane	ND		0.080		ppb v/v			03/25/21 14:03	1
1,1-Dichloroethane	ND		0.080		ppb v/v			03/25/21 14:03	1
1,1-Dichloroethene	ND		0.040		ppb v/v			03/25/21 14:03	1
1,2,4-Trichlorobenzene	ND		0.080		ppb v/v			03/25/21 14:03	1
1,2,4-Trimethylbenzene	ND		0.080		ppb v/v			03/25/21 14:03	1
1,2-Dibromoethane	ND		0.080		ppb v/v			03/25/21 14:03	1
1,2-Dichlorobenzene	ND		0.080		ppb v/v			03/25/21 14:03	1
1,2-Dichloroethane	ND		0.080		ppb v/v			03/25/21 14:03	1
1,2-Dichloropropane	ND		0.080		ppb v/v			03/25/21 14:03	1
1,2-Dichlorotetrafluoroethane	ND		0.080		ppb v/v			03/25/21 14:03	1
1,3,5-Trimethylbenzene	ND		0.080		ppb v/v			03/25/21 14:03	1
1,3-Dichlorobenzene	ND		0.080		ppb v/v			03/25/21 14:03	1
1,4-Dichlorobenzene	ND		0.080		ppb v/v			03/25/21 14:03	1
1,4-Dioxane	ND		0.20		ppb v/v			03/25/21 14:03	1
2,2,4-Trimethylpentane	ND		0.20		ppb v/v			03/25/21 14:03	1
2-Butanone	ND		0.32		ppb v/v			03/25/21 14:03	1
4-Methyl-2-pentanone (MIBK)	ND		0.20		ppb v/v			03/25/21 14:03	1
Benzene	0.21		0.080		ppb v/v			03/25/21 14:03	1
Benzyl chloride	ND		0.16		ppb v/v			03/25/21 14:03	1
Bromodichloromethane	ND		0.080		ppb v/v			03/25/21 14:03	1
Bromoform	ND		0.080		ppb v/v			03/25/21 14:03	1
Bromomethane	ND		0.080		ppb v/v			03/25/21 14:03	1
Carbon tetrachloride	0.092		0.032		ppb v/v			03/25/21 14:03	1
Chlorobenzene	ND		0.080		ppb v/v			03/25/21 14:03	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22399-1

Client Sample ID: 224121-OA-110

Lab Sample ID: 140-22399-10

Date Collected: 03/18/21 12:33

Matrix: Air

Date Received: 03/22/21 09:30

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	ND		0.080		ppb v/v			03/25/21 14:03	1
Chloroform	ND		0.080		ppb v/v			03/25/21 14:03	1
Chloromethane	0.62		0.20		ppb v/v			03/25/21 14:03	1
cis-1,2-Dichloroethene	ND		0.040		ppb v/v			03/25/21 14:03	1
cis-1,3-Dichloropropene	ND		0.080		ppb v/v			03/25/21 14:03	1
Cyclohexane	ND		0.20		ppb v/v			03/25/21 14:03	1
Dibromochloromethane	ND		0.080		ppb v/v			03/25/21 14:03	1
Dichlorodifluoromethane	0.28		0.080		ppb v/v			03/25/21 14:03	1
Ethanol	11		2.0		ppb v/v			03/25/21 14:03	1
Ethylbenzene	ND		0.080		ppb v/v			03/25/21 14:03	1
Hexachlorobutadiene	ND		0.080		ppb v/v			03/25/21 14:03	1
Hexane	0.22		0.20		ppb v/v			03/25/21 14:03	1
Methyl tert-butyl ether	ND		0.16		ppb v/v			03/25/21 14:03	1
Methylene Chloride	1.7		0.40		ppb v/v			03/25/21 14:03	1
m-Xylene & p-Xylene	0.20		0.080		ppb v/v			03/25/21 14:03	1
Naphthalene	ND		0.20		ppb v/v			03/25/21 14:03	1
o-Xylene	ND		0.080		ppb v/v			03/25/21 14:03	1
Styrene	ND		0.080		ppb v/v			03/25/21 14:03	1
t-Butyl alcohol	ND		0.32		ppb v/v			03/25/21 14:03	1
Tetrachloroethene	ND		0.080		ppb v/v			03/25/21 14:03	1
Toluene	0.59		0.12		ppb v/v			03/25/21 14:03	1
trans-1,2-Dichloroethene	ND		0.080		ppb v/v			03/25/21 14:03	1
trans-1,3-Dichloropropene	ND		0.080		ppb v/v			03/25/21 14:03	1
Trichloroethene	ND		0.036		ppb v/v			03/25/21 14:03	1
Trichlorofluoromethane	0.24		0.080		ppb v/v			03/25/21 14:03	1
Vinyl chloride	ND		0.040		ppb v/v			03/25/21 14:03	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.44		ug/m3			03/25/21 14:03	1
1,1,2,2-Tetrachloroethane	ND		0.55		ug/m3			03/25/21 14:03	1
1,1,2-Trichloroethane	ND		0.44		ug/m3			03/25/21 14:03	1
1,1,2-Trichlorotrifluoroethane	ND		0.61		ug/m3			03/25/21 14:03	1
1,1-Dichloroethane	ND		0.32		ug/m3			03/25/21 14:03	1
1,1-Dichloroethene	ND		0.16		ug/m3			03/25/21 14:03	1
1,2,4-Trichlorobenzene	ND		0.59		ug/m3			03/25/21 14:03	1
1,2,4-Trimethylbenzene	ND		0.39		ug/m3			03/25/21 14:03	1
1,2-Dibromoethane	ND		0.61		ug/m3			03/25/21 14:03	1
1,2-Dichlorobenzene	ND		0.48		ug/m3			03/25/21 14:03	1
1,2-Dichloroethane	ND		0.32		ug/m3			03/25/21 14:03	1
1,2-Dichloropropane	ND		0.37		ug/m3			03/25/21 14:03	1
1,2-Dichlorotetrafluoroethane	ND		0.56		ug/m3			03/25/21 14:03	1
1,3,5-Trimethylbenzene	ND		0.39		ug/m3			03/25/21 14:03	1
1,3-Dichlorobenzene	ND		0.48		ug/m3			03/25/21 14:03	1
1,4-Dichlorobenzene	ND		0.48		ug/m3			03/25/21 14:03	1
1,4-Dioxane	ND		0.72		ug/m3			03/25/21 14:03	1
2,2,4-Trimethylpentane	ND		0.93		ug/m3			03/25/21 14:03	1
2-Butanone	ND		0.94		ug/m3			03/25/21 14:03	1
4-Methyl-2-pentanone (MIBK)	ND		0.82		ug/m3			03/25/21 14:03	1
Benzene	0.66		0.26		ug/m3			03/25/21 14:03	1

Client Sample Results

Client: New York State D.E.C.
 Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22399-1

Client Sample ID: 224121-OA-110

Lab Sample ID: 140-22399-10

Date Collected: 03/18/21 12:33

Matrix: Air

Date Received: 03/22/21 09:30

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzyl chloride	ND		0.83		ug/m3			03/25/21 14:03	1
Bromodichloromethane	ND		0.54		ug/m3			03/25/21 14:03	1
Bromoform	ND		0.83		ug/m3			03/25/21 14:03	1
Bromomethane	ND		0.31		ug/m3			03/25/21 14:03	1
Carbon tetrachloride	0.58		0.20		ug/m3			03/25/21 14:03	1
Chlorobenzene	ND		0.37		ug/m3			03/25/21 14:03	1
Chloroethane	ND		0.21		ug/m3			03/25/21 14:03	1
Chloroform	ND		0.39		ug/m3			03/25/21 14:03	1
Chloromethane	1.3		0.41		ug/m3			03/25/21 14:03	1
cis-1,2-Dichloroethene	ND		0.16		ug/m3			03/25/21 14:03	1
cis-1,3-Dichloropropene	ND		0.36		ug/m3			03/25/21 14:03	1
Cyclohexane	ND		0.69		ug/m3			03/25/21 14:03	1
Dibromochloromethane	ND		0.68		ug/m3			03/25/21 14:03	1
Dichlorodifluoromethane	1.4		0.40		ug/m3			03/25/21 14:03	1
Ethanol	20		3.8		ug/m3			03/25/21 14:03	1
Ethylbenzene	ND		0.35		ug/m3			03/25/21 14:03	1
Hexachlorobutadiene	ND		0.85		ug/m3			03/25/21 14:03	1
Hexane	0.76		0.70		ug/m3			03/25/21 14:03	1
Methyl tert-butyl ether	ND		0.58		ug/m3			03/25/21 14:03	1
Methylene Chloride	5.7		1.4		ug/m3			03/25/21 14:03	1
m-Xylene & p-Xylene	0.86		0.35		ug/m3			03/25/21 14:03	1
Naphthalene	ND		1.0		ug/m3			03/25/21 14:03	1
o-Xylene	ND		0.35		ug/m3			03/25/21 14:03	1
Styrene	ND		0.34		ug/m3			03/25/21 14:03	1
t-Butyl alcohol	ND		0.97		ug/m3			03/25/21 14:03	1
Tetrachloroethene	ND		0.54		ug/m3			03/25/21 14:03	1
Toluene	2.2		0.45		ug/m3			03/25/21 14:03	1
trans-1,2-Dichloroethene	ND		0.32		ug/m3			03/25/21 14:03	1
trans-1,3-Dichloropropene	ND		0.36		ug/m3			03/25/21 14:03	1
Trichloroethene	ND		0.19		ug/m3			03/25/21 14:03	1
Trichlorofluoromethane	1.3		0.45		ug/m3			03/25/21 14:03	1
Vinyl chloride	ND		0.10		ug/m3			03/25/21 14:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		60 - 140		03/25/21 14:03	1

Client Sample ID: 224121-SS-111

Lab Sample ID: 140-22399-11

Date Collected: 03/18/21 14:22

Matrix: Air

Date Received: 03/22/21 09:30

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.080		ppb v/v			03/25/21 18:14	1
1,1,2,2-Tetrachloroethane	ND		0.080		ppb v/v			03/25/21 18:14	1
1,1,2-Trichloroethane	ND		0.080		ppb v/v			03/25/21 18:14	1
1,1,2-Trichlorotrifluoroethane	ND		0.080		ppb v/v			03/25/21 18:14	1
1,1-Dichloroethane	0.27		0.080		ppb v/v			03/25/21 18:14	1
1,1-Dichloroethene	ND		0.040		ppb v/v			03/25/21 18:14	1

Eurofins TestAmerica, Knoxville

Client Sample Results

Client: New York State D.E.C.
 Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22399-1

Client Sample ID: 224121-SS-111

Lab Sample ID: 140-22399-11

Date Collected: 03/18/21 14:22

Matrix: Air

Date Received: 03/22/21 09:30

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.080		ppb v/v			03/25/21 18:14	1
1,2,4-Trimethylbenzene	ND		0.080		ppb v/v			03/25/21 18:14	1
1,2-Dibromoethane	ND		0.080		ppb v/v			03/25/21 18:14	1
1,2-Dichlorobenzene	ND		0.080		ppb v/v			03/25/21 18:14	1
1,2-Dichloroethane	2.7		0.080		ppb v/v			03/25/21 18:14	1
1,2-Dichloropropane	ND		0.080		ppb v/v			03/25/21 18:14	1
1,2-Dichlorotetrafluoroethane	ND		0.080		ppb v/v			03/25/21 18:14	1
1,3,5-Trimethylbenzene	ND		0.080		ppb v/v			03/25/21 18:14	1
1,3-Dichlorobenzene	ND		0.080		ppb v/v			03/25/21 18:14	1
1,4-Dichlorobenzene	ND		0.080		ppb v/v			03/25/21 18:14	1
1,4-Dioxane	ND		0.20		ppb v/v			03/25/21 18:14	1
2,2,4-Trimethylpentane	ND		0.20		ppb v/v			03/25/21 18:14	1
2-Butanone	1.2		0.32		ppb v/v			03/25/21 18:14	1
4-Methyl-2-pentanone (MIBK)	ND		0.20		ppb v/v			03/25/21 18:14	1
Benzene	0.096		0.080		ppb v/v			03/25/21 18:14	1
Benzyl chloride	ND		0.16		ppb v/v			03/25/21 18:14	1
Bromodichloromethane	ND		0.080		ppb v/v			03/25/21 18:14	1
Bromoform	ND		0.080		ppb v/v			03/25/21 18:14	1
Bromomethane	ND		0.080		ppb v/v			03/25/21 18:14	1
Carbon tetrachloride	0.062		0.032		ppb v/v			03/25/21 18:14	1
Chlorobenzene	ND		0.080		ppb v/v			03/25/21 18:14	1
Chloroethane	1.3		0.080		ppb v/v			03/25/21 18:14	1
Chloroform	0.63		0.080		ppb v/v			03/25/21 18:14	1
Chloromethane	ND		0.20		ppb v/v			03/25/21 18:14	1
cis-1,2-Dichloroethene	ND		0.040		ppb v/v			03/25/21 18:14	1
cis-1,3-Dichloropropene	ND		0.080		ppb v/v			03/25/21 18:14	1
Cyclohexane	ND		0.20		ppb v/v			03/25/21 18:14	1
Dibromochloromethane	ND		0.080		ppb v/v			03/25/21 18:14	1
Dichlorodifluoromethane	0.26		0.080		ppb v/v			03/25/21 18:14	1
Ethanol	38		2.0		ppb v/v			03/25/21 18:14	1
Ethylbenzene	ND		0.080		ppb v/v			03/25/21 18:14	1
Hexachlorobutadiene	ND		0.080		ppb v/v			03/25/21 18:14	1
Hexane	0.23		0.20		ppb v/v			03/25/21 18:14	1
Methyl tert-butyl ether	ND		0.16		ppb v/v			03/25/21 18:14	1
Methylene Chloride	1.7		0.40		ppb v/v			03/25/21 18:14	1
m-Xylene & p-Xylene	0.099		0.080		ppb v/v			03/25/21 18:14	1
Naphthalene	ND		0.20		ppb v/v			03/25/21 18:14	1
o-Xylene	ND		0.080		ppb v/v			03/25/21 18:14	1
Styrene	ND		0.080		ppb v/v			03/25/21 18:14	1
t-Butyl alcohol	0.34		0.32		ppb v/v			03/25/21 18:14	1
Tetrachloroethene	0.47		0.080		ppb v/v			03/25/21 18:14	1
Toluene	0.22		0.12		ppb v/v			03/25/21 18:14	1
trans-1,2-Dichloroethene	ND		0.080		ppb v/v			03/25/21 18:14	1
trans-1,3-Dichloropropene	ND		0.080		ppb v/v			03/25/21 18:14	1
Trichloroethene	ND		0.036		ppb v/v			03/25/21 18:14	1
Trichlorofluoromethane	0.25		0.080		ppb v/v			03/25/21 18:14	1
Vinyl chloride	1.7		0.040		ppb v/v			03/25/21 18:14	1

Client Sample Results

Client: New York State D.E.C.
 Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22399-1

Client Sample ID: 224121-SS-111

Lab Sample ID: 140-22399-11

Date Collected: 03/18/21 14:22

Matrix: Air

Date Received: 03/22/21 09:30

Sample Container: Summa Canister 6L

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.44		ug/m3			03/25/21 18:14	1
1,1,2,2-Tetrachloroethane	ND		0.55		ug/m3			03/25/21 18:14	1
1,1,2-Trichloroethane	ND		0.44		ug/m3			03/25/21 18:14	1
1,1,2-Trichlorotrifluoroethane	ND		0.61		ug/m3			03/25/21 18:14	1
1,1-Dichloroethane	1.1		0.32		ug/m3			03/25/21 18:14	1
1,1-Dichloroethene	ND		0.16		ug/m3			03/25/21 18:14	1
1,2,4-Trichlorobenzene	ND		0.59		ug/m3			03/25/21 18:14	1
1,2,4-Trimethylbenzene	ND		0.39		ug/m3			03/25/21 18:14	1
1,2-Dibromoethane	ND		0.61		ug/m3			03/25/21 18:14	1
1,2-Dichlorobenzene	ND		0.48		ug/m3			03/25/21 18:14	1
1,2-Dichloroethane	11		0.32		ug/m3			03/25/21 18:14	1
1,2-Dichloropropane	ND		0.37		ug/m3			03/25/21 18:14	1
1,2-Dichlorotetrafluoroethane	ND		0.56		ug/m3			03/25/21 18:14	1
1,3,5-Trimethylbenzene	ND		0.39		ug/m3			03/25/21 18:14	1
1,3-Dichlorobenzene	ND		0.48		ug/m3			03/25/21 18:14	1
1,4-Dichlorobenzene	ND		0.48		ug/m3			03/25/21 18:14	1
1,4-Dioxane	ND		0.72		ug/m3			03/25/21 18:14	1
2,2,4-Trimethylpentane	ND		0.93		ug/m3			03/25/21 18:14	1
2-Butanone	3.7		0.94		ug/m3			03/25/21 18:14	1
4-Methyl-2-pentanone (MIBK)	ND		0.82		ug/m3			03/25/21 18:14	1
Benzene	0.31		0.26		ug/m3			03/25/21 18:14	1
Benzyl chloride	ND		0.83		ug/m3			03/25/21 18:14	1
Bromodichloromethane	ND		0.54		ug/m3			03/25/21 18:14	1
Bromoform	ND		0.83		ug/m3			03/25/21 18:14	1
Bromomethane	ND		0.31		ug/m3			03/25/21 18:14	1
Carbon tetrachloride	0.39		0.20		ug/m3			03/25/21 18:14	1
Chlorobenzene	ND		0.37		ug/m3			03/25/21 18:14	1
Chloroethane	3.5		0.21		ug/m3			03/25/21 18:14	1
Chloroform	3.1		0.39		ug/m3			03/25/21 18:14	1
Chloromethane	ND		0.41		ug/m3			03/25/21 18:14	1
cis-1,2-Dichloroethene	ND		0.16		ug/m3			03/25/21 18:14	1
cis-1,3-Dichloropropene	ND		0.36		ug/m3			03/25/21 18:14	1
Cyclohexane	ND		0.69		ug/m3			03/25/21 18:14	1
Dibromochloromethane	ND		0.68		ug/m3			03/25/21 18:14	1
Dichlorodifluoromethane	1.3		0.40		ug/m3			03/25/21 18:14	1
Ethanol	72		3.8		ug/m3			03/25/21 18:14	1
Ethylbenzene	ND		0.35		ug/m3			03/25/21 18:14	1
Hexachlorobutadiene	ND		0.85		ug/m3			03/25/21 18:14	1
Hexane	0.82		0.70		ug/m3			03/25/21 18:14	1
Methyl tert-butyl ether	ND		0.58		ug/m3			03/25/21 18:14	1
Methylene Chloride	5.8		1.4		ug/m3			03/25/21 18:14	1
m-Xylene & p-Xylene	0.43		0.35		ug/m3			03/25/21 18:14	1
Naphthalene	ND		1.0		ug/m3			03/25/21 18:14	1
o-Xylene	ND		0.35		ug/m3			03/25/21 18:14	1
Styrene	ND		0.34		ug/m3			03/25/21 18:14	1
t-Butyl alcohol	1.0		0.97		ug/m3			03/25/21 18:14	1
Tetrachloroethene	3.2		0.54		ug/m3			03/25/21 18:14	1
Toluene	0.81		0.45		ug/m3			03/25/21 18:14	1
trans-1,2-Dichloroethene	ND		0.32		ug/m3			03/25/21 18:14	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22399-1

Client Sample ID: 224121-SS-111

Lab Sample ID: 140-22399-11

Date Collected: 03/18/21 14:22

Matrix: Air

Date Received: 03/22/21 09:30

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	ND		0.36		ug/m3			03/25/21 18:14	1
Trichloroethene	ND		0.19		ug/m3			03/25/21 18:14	1
Trichlorofluoromethane	1.4		0.45		ug/m3			03/25/21 18:14	1
Vinyl chloride	4.2		0.10		ug/m3			03/25/21 18:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		60 - 140					03/25/21 18:14	1

Client Sample ID: 224121-IA-111

Lab Sample ID: 140-22399-12

Date Collected: 03/18/21 14:23

Matrix: Air

Date Received: 03/22/21 09:30

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.080		ppb v/v			03/26/21 00:18	1
1,1,2,2-Tetrachloroethane	ND		0.080		ppb v/v			03/26/21 00:18	1
1,1,2-Trichloroethane	ND		0.080		ppb v/v			03/26/21 00:18	1
1,1,2-Trichlorotrifluoroethane	ND		0.080		ppb v/v			03/26/21 00:18	1
1,1-Dichloroethane	ND		0.080		ppb v/v			03/26/21 00:18	1
1,1-Dichloroethene	ND		0.040		ppb v/v			03/26/21 00:18	1
1,2,4-Trichlorobenzene	ND		0.080		ppb v/v			03/26/21 00:18	1
1,2,4-Trimethylbenzene	0.14		0.080		ppb v/v			03/26/21 00:18	1
1,2-Dibromoethane	ND		0.080		ppb v/v			03/26/21 00:18	1
1,2-Dichlorobenzene	ND		0.080		ppb v/v			03/26/21 00:18	1
1,2-Dichloroethane	ND		0.080		ppb v/v			03/26/21 00:18	1
1,2-Dichloropropane	ND		0.080		ppb v/v			03/26/21 00:18	1
1,2-Dichlorotetrafluoroethane	ND		0.080		ppb v/v			03/26/21 00:18	1
1,3,5-Trimethylbenzene	ND		0.080		ppb v/v			03/26/21 00:18	1
1,3-Dichlorobenzene	ND		0.080		ppb v/v			03/26/21 00:18	1
1,4-Dichlorobenzene	ND		0.080		ppb v/v			03/26/21 00:18	1
1,4-Dioxane	ND		0.20		ppb v/v			03/26/21 00:18	1
2,2,4-Trimethylpentane	ND		0.20		ppb v/v			03/26/21 00:18	1
2-Butanone	0.45		0.32		ppb v/v			03/26/21 00:18	1
4-Methyl-2-pentanone (MIBK)	ND		0.20		ppb v/v			03/26/21 00:18	1
Benzene	0.29		0.080		ppb v/v			03/26/21 00:18	1
Benzyl chloride	ND		0.16		ppb v/v			03/26/21 00:18	1
Bromodichloromethane	ND		0.080		ppb v/v			03/26/21 00:18	1
Bromoform	ND		0.080		ppb v/v			03/26/21 00:18	1
Bromomethane	ND		0.080		ppb v/v			03/26/21 00:18	1
Carbon tetrachloride	0.092		0.032		ppb v/v			03/26/21 00:18	1
Chlorobenzene	ND		0.080		ppb v/v			03/26/21 00:18	1
Chloroethane	ND		0.080		ppb v/v			03/26/21 00:18	1
Chloroform	0.23		0.080		ppb v/v			03/26/21 00:18	1
Chloromethane	0.57		0.20		ppb v/v			03/26/21 00:18	1
cis-1,2-Dichloroethene	ND		0.040		ppb v/v			03/26/21 00:18	1
cis-1,3-Dichloropropene	ND		0.080		ppb v/v			03/26/21 00:18	1
Cyclohexane	ND		0.20		ppb v/v			03/26/21 00:18	1
Dibromochloromethane	ND		0.080		ppb v/v			03/26/21 00:18	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22399-1

Client Sample ID: 224121-IA-111

Lab Sample ID: 140-22399-12

Date Collected: 03/18/21 14:23

Matrix: Air

Date Received: 03/22/21 09:30

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	0.28		0.080		ppb v/v			03/26/21 00:18	1
Ethanol	550	E	2.0		ppb v/v			03/26/21 00:18	1
Ethylbenzene	0.15		0.080		ppb v/v			03/26/21 00:18	1
Hexachlorobutadiene	ND		0.080		ppb v/v			03/26/21 00:18	1
Hexane	0.38		0.20		ppb v/v			03/26/21 00:18	1
Methyl tert-butyl ether	ND		0.16		ppb v/v			03/26/21 00:18	1
Methylene Chloride	1.6		0.40		ppb v/v			03/26/21 00:18	1
m-Xylene & p-Xylene	0.49		0.080		ppb v/v			03/26/21 00:18	1
Naphthalene	0.40		0.20		ppb v/v			03/26/21 00:18	1
o-Xylene	0.19		0.080		ppb v/v			03/26/21 00:18	1
Styrene	0.11		0.080		ppb v/v			03/26/21 00:18	1
t-Butyl alcohol	0.75		0.32		ppb v/v			03/26/21 00:18	1
Tetrachloroethene	0.22		0.080		ppb v/v			03/26/21 00:18	1
Toluene	1.5		0.12		ppb v/v			03/26/21 00:18	1
trans-1,2-Dichloroethene	ND		0.080		ppb v/v			03/26/21 00:18	1
trans-1,3-Dichloropropene	ND		0.080		ppb v/v			03/26/21 00:18	1
Trichloroethene	ND		0.036		ppb v/v			03/26/21 00:18	1
Trichlorofluoromethane	0.25		0.080		ppb v/v			03/26/21 00:18	1
Vinyl chloride	ND		0.040		ppb v/v			03/26/21 00:18	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.44		ug/m3			03/26/21 00:18	1
1,1,2,2-Tetrachloroethane	ND		0.55		ug/m3			03/26/21 00:18	1
1,1,2-Trichloroethane	ND		0.44		ug/m3			03/26/21 00:18	1
1,1,2-Trichlorotrifluoroethane	ND		0.61		ug/m3			03/26/21 00:18	1
1,1-Dichloroethane	ND		0.32		ug/m3			03/26/21 00:18	1
1,1-Dichloroethene	ND		0.16		ug/m3			03/26/21 00:18	1
1,2,4-Trichlorobenzene	ND		0.59		ug/m3			03/26/21 00:18	1
1,2,4-Trimethylbenzene	0.71		0.39		ug/m3			03/26/21 00:18	1
1,2-Dibromoethane	ND		0.61		ug/m3			03/26/21 00:18	1
1,2-Dichlorobenzene	ND		0.48		ug/m3			03/26/21 00:18	1
1,2-Dichloroethane	ND		0.32		ug/m3			03/26/21 00:18	1
1,2-Dichloropropane	ND		0.37		ug/m3			03/26/21 00:18	1
1,2-Dichlorotetrafluoroethane	ND		0.56		ug/m3			03/26/21 00:18	1
1,3,5-Trimethylbenzene	ND		0.39		ug/m3			03/26/21 00:18	1
1,3-Dichlorobenzene	ND		0.48		ug/m3			03/26/21 00:18	1
1,4-Dichlorobenzene	ND		0.48		ug/m3			03/26/21 00:18	1
1,4-Dioxane	ND		0.72		ug/m3			03/26/21 00:18	1
2,2,4-Trimethylpentane	ND		0.93		ug/m3			03/26/21 00:18	1
2-Butanone	1.3		0.94		ug/m3			03/26/21 00:18	1
4-Methyl-2-pentanone (MIBK)	ND		0.82		ug/m3			03/26/21 00:18	1
Benzene	0.94		0.26		ug/m3			03/26/21 00:18	1
Benzyl chloride	ND		0.83		ug/m3			03/26/21 00:18	1
Bromodichloromethane	ND		0.54		ug/m3			03/26/21 00:18	1
Bromoform	ND		0.83		ug/m3			03/26/21 00:18	1
Bromomethane	ND		0.31		ug/m3			03/26/21 00:18	1
Carbon tetrachloride	0.58		0.20		ug/m3			03/26/21 00:18	1
Chlorobenzene	ND		0.37		ug/m3			03/26/21 00:18	1
Chloroethane	ND		0.21		ug/m3			03/26/21 00:18	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22399-1

Client Sample ID: 224121-IA-111

Lab Sample ID: 140-22399-12

Date Collected: 03/18/21 14:23

Matrix: Air

Date Received: 03/22/21 09:30

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	1.1		0.39		ug/m3			03/26/21 00:18	1
Chloromethane	1.2		0.41		ug/m3			03/26/21 00:18	1
cis-1,2-Dichloroethene	ND		0.16		ug/m3			03/26/21 00:18	1
cis-1,3-Dichloropropene	ND		0.36		ug/m3			03/26/21 00:18	1
Cyclohexane	ND		0.69		ug/m3			03/26/21 00:18	1
Dibromochloromethane	ND		0.68		ug/m3			03/26/21 00:18	1
Dichlorodifluoromethane	1.4		0.40		ug/m3			03/26/21 00:18	1
Ethanol	2200	1000--E	3.8		ug/m3			03/26/21 00:18	1
Ethylbenzene	0.65		0.35		ug/m3			03/26/21 00:18	1
Hexachlorobutadiene	ND		0.85		ug/m3			03/26/21 00:18	1
Hexane	1.4		0.70		ug/m3			03/26/21 00:18	1
Methyl tert-butyl ether	ND		0.58		ug/m3			03/26/21 00:18	1
Methylene Chloride	5.4		1.4		ug/m3			03/26/21 00:18	1
m-Xylene & p-Xylene	2.1		0.35		ug/m3			03/26/21 00:18	1
Naphthalene	2.1		1.0		ug/m3			03/26/21 00:18	1
o-Xylene	0.81		0.35		ug/m3			03/26/21 00:18	1
Styrene	0.45		0.34		ug/m3			03/26/21 00:18	1
t-Butyl alcohol	2.3		0.97		ug/m3			03/26/21 00:18	1
Tetrachloroethene	1.5		0.54		ug/m3			03/26/21 00:18	1
Toluene	5.8		0.45		ug/m3			03/26/21 00:18	1
trans-1,2-Dichloroethene	ND		0.32		ug/m3			03/26/21 00:18	1
trans-1,3-Dichloropropene	ND		0.36		ug/m3			03/26/21 00:18	1
Trichloroethene	ND		0.19		ug/m3			03/26/21 00:18	1
Trichlorofluoromethane	1.4		0.45		ug/m3			03/26/21 00:18	1
Vinyl chloride	ND		0.10		ug/m3			03/26/21 00:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		60 - 140		03/26/21 00:18	1

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethanol	1100	D	50		ppb v/v			03/26/21 23:25	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethanol	2200	D	94		ug/m3			03/26/21 23:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		60 - 140		03/26/21 23:25	1

Client Sample ID: 224121-SS-112

Lab Sample ID: 140-22399-13

Date Collected: 03/18/21 15:21

Matrix: Air

Date Received: 03/22/21 09:30

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.80		ppb v/v			03/27/21 00:58	1
1,1,2,2-Tetrachloroethane	ND		0.80		ppb v/v			03/27/21 00:58	1
1,1,2-Trichloroethane	ND		0.80		ppb v/v			03/27/21 00:58	1
1,1,2-Trichlorotrifluoroethane	ND		0.80		ppb v/v			03/27/21 00:58	1

Eurofins TestAmerica, Knoxville

ALH 4/15/21

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22399-1

Client Sample ID: 224121-SS-112

Lab Sample ID: 140-22399-13

Date Collected: 03/18/21 15:21

Matrix: Air

Date Received: 03/22/21 09:30

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.80		ppb v/v			03/27/21 00:58	1
1,1-Dichloroethene	ND		0.40		ppb v/v			03/27/21 00:58	1
1,2,4-Trichlorobenzene	ND		0.80		ppb v/v			03/27/21 00:58	1
1,2,4-Trimethylbenzene	ND		0.80		ppb v/v			03/27/21 00:58	1
1,2-Dibromoethane	ND		0.80		ppb v/v			03/27/21 00:58	1
1,2-Dichlorobenzene	ND		0.80		ppb v/v			03/27/21 00:58	1
1,2-Dichloroethane	2.6		0.80		ppb v/v			03/27/21 00:58	1
1,2-Dichloropropane	ND		0.80		ppb v/v			03/27/21 00:58	1
1,2-Dichlorotetrafluoroethane	ND		0.80		ppb v/v			03/27/21 00:58	1
1,3,5-Trimethylbenzene	ND		0.80		ppb v/v			03/27/21 00:58	1
1,3-Dichlorobenzene	ND		0.80		ppb v/v			03/27/21 00:58	1
1,4-Dichlorobenzene	ND		0.80		ppb v/v			03/27/21 00:58	1
1,4-Dioxane	ND		2.0		ppb v/v			03/27/21 00:58	1
2,2,4-Trimethylpentane	ND		2.0		ppb v/v			03/27/21 00:58	1
2-Butanone	ND		3.2		ppb v/v			03/27/21 00:58	1
4-Methyl-2-pentanone (MIBK)	ND		2.0		ppb v/v			03/27/21 00:58	1
Benzene	ND		0.80		ppb v/v			03/27/21 00:58	1
Benzyl chloride	ND		1.6		ppb v/v			03/27/21 00:58	1
Bromodichloromethane	ND		0.80		ppb v/v			03/27/21 00:58	1
Bromoform	ND		0.80		ppb v/v			03/27/21 00:58	1
Bromomethane	ND		0.80		ppb v/v			03/27/21 00:58	1
Carbon tetrachloride	ND		0.32		ppb v/v			03/27/21 00:58	1
Chlorobenzene	ND		0.80		ppb v/v			03/27/21 00:58	1
Chloroethane	0.80		0.80		ppb v/v			03/27/21 00:58	1
Chloroform	1.7		0.80		ppb v/v			03/27/21 00:58	1
Chloromethane	ND		2.0		ppb v/v			03/27/21 00:58	1
cis-1,2-Dichloroethene	ND		0.40		ppb v/v			03/27/21 00:58	1
cis-1,3-Dichloropropene	ND		0.80		ppb v/v			03/27/21 00:58	1
Cyclohexane	ND		2.0		ppb v/v			03/27/21 00:58	1
Dibromochloromethane	ND		0.80		ppb v/v			03/27/21 00:58	1
Dichlorodifluoromethane	ND		0.80		ppb v/v			03/27/21 00:58	1
Ethanol	29		20		ppb v/v			03/27/21 00:58	1
Ethylbenzene	ND		0.80		ppb v/v			03/27/21 00:58	1
Hexachlorobutadiene	ND		0.80		ppb v/v			03/27/21 00:58	1
Hexane	ND		2.0		ppb v/v			03/27/21 00:58	1
Methyl tert-butyl ether	ND		1.6		ppb v/v			03/27/21 00:58	1
Methylene Chloride	ND		4.0		ppb v/v			03/27/21 00:58	1
m-Xylene & p-Xylene	ND		0.80		ppb v/v			03/27/21 00:58	1
Naphthalene	ND		2.0		ppb v/v			03/27/21 00:58	1
o-Xylene	ND		0.80		ppb v/v			03/27/21 00:58	1
Styrene	ND		0.80		ppb v/v			03/27/21 00:58	1
t-Butyl alcohol	ND		3.2		ppb v/v			03/27/21 00:58	1
Tetrachloroethene	19		0.80		ppb v/v			03/27/21 00:58	1
Toluene	ND		1.2		ppb v/v			03/27/21 00:58	1
trans-1,2-Dichloroethene	ND		0.80		ppb v/v			03/27/21 00:58	1
trans-1,3-Dichloropropene	ND		0.80		ppb v/v			03/27/21 00:58	1
Trichloroethene	1.6		0.36		ppb v/v			03/27/21 00:58	1
Trichlorofluoromethane	ND		0.80		ppb v/v			03/27/21 00:58	1

Client Sample Results

Client: New York State D.E.C.
 Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22399-1

Client Sample ID: 224121-SS-112

Lab Sample ID: 140-22399-13

Date Collected: 03/18/21 15:21

Matrix: Air

Date Received: 03/22/21 09:30

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	1.0		0.40		ppb v/v			03/27/21 00:58	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.4		ug/m3			03/27/21 00:58	1
1,1,2,2-Tetrachloroethane	ND		5.5		ug/m3			03/27/21 00:58	1
1,1,2-Trichloroethane	ND		4.4		ug/m3			03/27/21 00:58	1
1,1,2-Trichlorotrifluoroethane	ND		6.1		ug/m3			03/27/21 00:58	1
1,1-Dichloroethane	ND		3.2		ug/m3			03/27/21 00:58	1
1,1-Dichloroethene	ND		1.6		ug/m3			03/27/21 00:58	1
1,2,4-Trichlorobenzene	ND		5.9		ug/m3			03/27/21 00:58	1
1,2,4-Trimethylbenzene	ND		3.9		ug/m3			03/27/21 00:58	1
1,2-Dibromoethane	ND		6.1		ug/m3			03/27/21 00:58	1
1,2-Dichlorobenzene	ND		4.8		ug/m3			03/27/21 00:58	1
1,2-Dichloroethane	10		3.2		ug/m3			03/27/21 00:58	1
1,2-Dichloropropane	ND		3.7		ug/m3			03/27/21 00:58	1
1,2-Dichlorotetrafluoroethane	ND		5.6		ug/m3			03/27/21 00:58	1
1,3,5-Trimethylbenzene	ND		3.9		ug/m3			03/27/21 00:58	1
1,3-Dichlorobenzene	ND		4.8		ug/m3			03/27/21 00:58	1
1,4-Dichlorobenzene	ND		4.8		ug/m3			03/27/21 00:58	1
1,4-Dioxane	ND		7.2		ug/m3			03/27/21 00:58	1
2,2,4-Trimethylpentane	ND		9.3		ug/m3			03/27/21 00:58	1
2-Butanone	ND		9.4		ug/m3			03/27/21 00:58	1
4-Methyl-2-pentanone (MIBK)	ND		8.2		ug/m3			03/27/21 00:58	1
Benzene	ND		2.6		ug/m3			03/27/21 00:58	1
Benzyl chloride	ND		8.3		ug/m3			03/27/21 00:58	1
Bromodichloromethane	ND		5.4		ug/m3			03/27/21 00:58	1
Bromoform	ND		8.3		ug/m3			03/27/21 00:58	1
Bromomethane	ND		3.1		ug/m3			03/27/21 00:58	1
Carbon tetrachloride	ND		2.0		ug/m3			03/27/21 00:58	1
Chlorobenzene	ND		3.7		ug/m3			03/27/21 00:58	1
Chloroethane	2.1		2.1		ug/m3			03/27/21 00:58	1
Chloroform	8.1		3.9		ug/m3			03/27/21 00:58	1
Chloromethane	ND		4.1		ug/m3			03/27/21 00:58	1
cis-1,2-Dichloroethene	ND		1.6		ug/m3			03/27/21 00:58	1
cis-1,3-Dichloropropene	ND		3.6		ug/m3			03/27/21 00:58	1
Cyclohexane	ND		6.9		ug/m3			03/27/21 00:58	1
Dibromochloromethane	ND		6.8		ug/m3			03/27/21 00:58	1
Dichlorodifluoromethane	ND		4.0		ug/m3			03/27/21 00:58	1
Ethanol	55		38		ug/m3			03/27/21 00:58	1
Ethylbenzene	ND		3.5		ug/m3			03/27/21 00:58	1
Hexachlorobutadiene	ND		8.5		ug/m3			03/27/21 00:58	1
Hexane	ND		7.0		ug/m3			03/27/21 00:58	1
Methyl tert-butyl ether	ND		5.8		ug/m3			03/27/21 00:58	1
Methylene Chloride	ND		14		ug/m3			03/27/21 00:58	1
m-Xylene & p-Xylene	ND		3.5		ug/m3			03/27/21 00:58	1
Naphthalene	ND		10		ug/m3			03/27/21 00:58	1
o-Xylene	ND		3.5		ug/m3			03/27/21 00:58	1
Styrene	ND		3.4		ug/m3			03/27/21 00:58	1
t-Butyl alcohol	ND		9.7		ug/m3			03/27/21 00:58	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22399-1

Client Sample ID: 224121-SS-112

Lab Sample ID: 140-22399-13

Date Collected: 03/18/21 15:21

Matrix: Air

Date Received: 03/22/21 09:30

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	130		5.4		ug/m3			03/27/21 00:58	1
Toluene	ND		4.5		ug/m3			03/27/21 00:58	1
trans-1,2-Dichloroethene	ND		3.2		ug/m3			03/27/21 00:58	1
trans-1,3-Dichloropropene	ND		3.6		ug/m3			03/27/21 00:58	1
Trichloroethene	8.4		1.9		ug/m3			03/27/21 00:58	1
Trichlorofluoromethane	ND		4.5		ug/m3			03/27/21 00:58	1
Vinyl chloride	2.6		1.0		ug/m3			03/27/21 00:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		60 - 140					03/27/21 00:58	1

Client Sample ID: 224121-IA-112

Lab Sample ID: 140-22399-14

Date Collected: 03/18/21 15:22

Matrix: Air

Date Received: 03/22/21 09:30

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.080		ppb v/v			03/26/21 01:11	1
1,1,2,2-Tetrachloroethane	ND		0.080		ppb v/v			03/26/21 01:11	1
1,1,2-Trichloroethane	ND		0.080		ppb v/v			03/26/21 01:11	1
1,1,2-Trichlorotrifluoroethane	ND		0.080		ppb v/v			03/26/21 01:11	1
1,1-Dichloroethane	ND		0.080		ppb v/v			03/26/21 01:11	1
1,1-Dichloroethene	ND		0.040		ppb v/v			03/26/21 01:11	1
1,2,4-Trichlorobenzene	ND		0.080		ppb v/v			03/26/21 01:11	1
1,2,4-Trimethylbenzene	0.086		0.080		ppb v/v			03/26/21 01:11	1
1,2-Dibromoethane	ND		0.080		ppb v/v			03/26/21 01:11	1
1,2-Dichlorobenzene	ND		0.080		ppb v/v			03/26/21 01:11	1
1,2-Dichloroethane	ND		0.080		ppb v/v			03/26/21 01:11	1
1,2-Dichloropropane	ND		0.080		ppb v/v			03/26/21 01:11	1
1,2-Dichlorotetrafluoroethane	ND		0.080		ppb v/v			03/26/21 01:11	1
1,3,5-Trimethylbenzene	ND		0.080		ppb v/v			03/26/21 01:11	1
1,3-Dichlorobenzene	ND		0.080		ppb v/v			03/26/21 01:11	1
1,4-Dichlorobenzene	0.59		0.080		ppb v/v			03/26/21 01:11	1
1,4-Dioxane	ND		0.20		ppb v/v			03/26/21 01:11	1
2,2,4-Trimethylpentane	ND		0.20		ppb v/v			03/26/21 01:11	1
2-Butanone	0.55		0.32		ppb v/v			03/26/21 01:11	1
4-Methyl-2-pentanone (MIBK)	0.20		0.20		ppb v/v			03/26/21 01:11	1
Benzene	0.26		0.080		ppb v/v			03/26/21 01:11	1
Benzyl chloride	ND		0.16		ppb v/v			03/26/21 01:11	1
Bromodichloromethane	ND		0.080		ppb v/v			03/26/21 01:11	1
Bromoform	ND		0.080		ppb v/v			03/26/21 01:11	1
Bromomethane	ND		0.080		ppb v/v			03/26/21 01:11	1
Carbon tetrachloride	0.094		0.032		ppb v/v			03/26/21 01:11	1
Chlorobenzene	ND		0.080		ppb v/v			03/26/21 01:11	1
Chloroethane	ND		0.080		ppb v/v			03/26/21 01:11	1
Chloroform	0.45		0.080		ppb v/v			03/26/21 01:11	1
Chloromethane	0.49		0.20		ppb v/v			03/26/21 01:11	1
cis-1,2-Dichloroethene	ND		0.040		ppb v/v			03/26/21 01:11	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22399-1

Client Sample ID: 224121-IA-112

Lab Sample ID: 140-22399-14

Date Collected: 03/18/21 15:22

Matrix: Air

Date Received: 03/22/21 09:30

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		0.080		ppb v/v			03/26/21 01:11	1
Cyclohexane	ND		0.20		ppb v/v			03/26/21 01:11	1
Dibromochloromethane	ND		0.080		ppb v/v			03/26/21 01:11	1
Dichlorodifluoromethane	0.25		0.080		ppb v/v			03/26/21 01:11	1
Ethanol	61		2.0		ppb v/v			03/26/21 01:11	1
Ethylbenzene	0.13		0.080		ppb v/v			03/26/21 01:11	1
Hexachlorobutadiene	ND		0.080		ppb v/v			03/26/21 01:11	1
Hexane	0.33		0.20		ppb v/v			03/26/21 01:11	1
Methyl tert-butyl ether	ND		0.16		ppb v/v			03/26/21 01:11	1
Methylene Chloride	0.52		0.40		ppb v/v			03/26/21 01:11	1
m-Xylene & p-Xylene	0.43		0.080		ppb v/v			03/26/21 01:11	1
Naphthalene	ND		0.20		ppb v/v			03/26/21 01:11	1
o-Xylene	0.14		0.080		ppb v/v			03/26/21 01:11	1
Styrene	ND		0.080		ppb v/v			03/26/21 01:11	1
t-Butyl alcohol	ND		0.32		ppb v/v			03/26/21 01:11	1
Tetrachloroethene	0.11		0.080		ppb v/v			03/26/21 01:11	1
Toluene	1.5		0.12		ppb v/v			03/26/21 01:11	1
trans-1,2-Dichloroethene	ND		0.080		ppb v/v			03/26/21 01:11	1
trans-1,3-Dichloropropene	ND		0.080		ppb v/v			03/26/21 01:11	1
Trichloroethene	0.072		0.036		ppb v/v			03/26/21 01:11	1
Trichlorofluoromethane	0.24		0.080		ppb v/v			03/26/21 01:11	1
Vinyl chloride	ND		0.040		ppb v/v			03/26/21 01:11	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.44		ug/m3			03/26/21 01:11	1
1,1,2,2-Tetrachloroethane	ND		0.55		ug/m3			03/26/21 01:11	1
1,1,2-Trichloroethane	ND		0.44		ug/m3			03/26/21 01:11	1
1,1,2-Trichlorotrifluoroethane	ND		0.61		ug/m3			03/26/21 01:11	1
1,1-Dichloroethane	ND		0.32		ug/m3			03/26/21 01:11	1
1,1-Dichloroethene	ND		0.16		ug/m3			03/26/21 01:11	1
1,2,4-Trichlorobenzene	ND		0.59		ug/m3			03/26/21 01:11	1
1,2,4-Trimethylbenzene	0.42		0.39		ug/m3			03/26/21 01:11	1
1,2-Dibromoethane	ND		0.61		ug/m3			03/26/21 01:11	1
1,2-Dichlorobenzene	ND		0.48		ug/m3			03/26/21 01:11	1
1,2-Dichloroethane	ND		0.32		ug/m3			03/26/21 01:11	1
1,2-Dichloropropane	ND		0.37		ug/m3			03/26/21 01:11	1
1,2-Dichlorotetrafluoroethane	ND		0.56		ug/m3			03/26/21 01:11	1
1,3,5-Trimethylbenzene	ND		0.39		ug/m3			03/26/21 01:11	1
1,3-Dichlorobenzene	ND		0.48		ug/m3			03/26/21 01:11	1
1,4-Dichlorobenzene	3.5		0.48		ug/m3			03/26/21 01:11	1
1,4-Dioxane	ND		0.72		ug/m3			03/26/21 01:11	1
2,2,4-Trimethylpentane	ND		0.93		ug/m3			03/26/21 01:11	1
2-Butanone	1.6		0.94		ug/m3			03/26/21 01:11	1
4-Methyl-2-pentanone (MIBK)	0.80		0.82		ug/m3			03/26/21 01:11	1
Benzene	0.82		0.26		ug/m3			03/26/21 01:11	1
Benzyl chloride	ND		0.83		ug/m3			03/26/21 01:11	1
Bromodichloromethane	ND		0.54		ug/m3			03/26/21 01:11	1
Bromoform	ND		0.83		ug/m3			03/26/21 01:11	1
Bromomethane	ND		0.31		ug/m3			03/26/21 01:11	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22399-1

Client Sample ID: 224121-IA-112

Lab Sample ID: 140-22399-14

Date Collected: 03/18/21 15:22

Matrix: Air

Date Received: 03/22/21 09:30

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	0.59		0.20		ug/m3			03/26/21 01:11	1
Chlorobenzene	ND		0.37		ug/m3			03/26/21 01:11	1
Chloroethane	ND		0.21		ug/m3			03/26/21 01:11	1
Chloroform	2.2		0.39		ug/m3			03/26/21 01:11	1
Chloromethane	1.0		0.41		ug/m3			03/26/21 01:11	1
cis-1,2-Dichloroethene	ND		0.16		ug/m3			03/26/21 01:11	1
cis-1,3-Dichloropropene	ND		0.36		ug/m3			03/26/21 01:11	1
Cyclohexane	ND		0.69		ug/m3			03/26/21 01:11	1
Dibromochloromethane	ND		0.68		ug/m3			03/26/21 01:11	1
Dichlorodifluoromethane	1.2		0.40		ug/m3			03/26/21 01:11	1
Ethanol	110		3.8		ug/m3			03/26/21 01:11	1
Ethylbenzene	0.56		0.35		ug/m3			03/26/21 01:11	1
Hexachlorobutadiene	ND		0.85		ug/m3			03/26/21 01:11	1
Hexane	1.2		0.70		ug/m3			03/26/21 01:11	1
Methyl tert-butyl ether	ND		0.58		ug/m3			03/26/21 01:11	1
Methylene Chloride	1.8		1.4		ug/m3			03/26/21 01:11	1
m-Xylene & p-Xylene	1.9		0.35		ug/m3			03/26/21 01:11	1
Naphthalene	ND		1.0		ug/m3			03/26/21 01:11	1
o-Xylene	0.62		0.35		ug/m3			03/26/21 01:11	1
Styrene	ND		0.34		ug/m3			03/26/21 01:11	1
t-Butyl alcohol	ND		0.97		ug/m3			03/26/21 01:11	1
Tetrachloroethene	0.75		0.54		ug/m3			03/26/21 01:11	1
Toluene	5.6		0.45		ug/m3			03/26/21 01:11	1
trans-1,2-Dichloroethene	ND		0.32		ug/m3			03/26/21 01:11	1
trans-1,3-Dichloropropene	ND		0.36		ug/m3			03/26/21 01:11	1
Trichloroethene	0.39		0.19		ug/m3			03/26/21 01:11	1
Trichlorofluoromethane	1.4		0.45		ug/m3			03/26/21 01:11	1
Vinyl chloride	ND		0.10		ug/m3			03/26/21 01:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		60 - 140		03/26/21 01:11	1

Client Sample ID: 224121-OA-112

Lab Sample ID: 140-22399-15

Date Collected: 03/18/21 15:25

Matrix: Air

Date Received: 03/22/21 09:30

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.080		ppb v/v			03/25/21 14:54	1
1,1,2,2-Tetrachloroethane	ND		0.080		ppb v/v			03/25/21 14:54	1
1,1,2-Trichloroethane	ND		0.080		ppb v/v			03/25/21 14:54	1
1,1,2-Trichlorotrifluoroethane	ND		0.080		ppb v/v			03/25/21 14:54	1
1,1-Dichloroethane	ND		0.080		ppb v/v			03/25/21 14:54	1
1,1-Dichloroethene	ND		0.040		ppb v/v			03/25/21 14:54	1
1,2,4-Trichlorobenzene	ND		0.080		ppb v/v			03/25/21 14:54	1
1,2,4-Trimethylbenzene	ND		0.080		ppb v/v			03/25/21 14:54	1
1,2-Dibromoethane	ND		0.080		ppb v/v			03/25/21 14:54	1
1,2-Dichlorobenzene	ND		0.080		ppb v/v			03/25/21 14:54	1

Client Sample Results

Client: New York State D.E.C.
 Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22399-1

Client Sample ID: 224121-OA-112

Lab Sample ID: 140-22399-15

Date Collected: 03/18/21 15:25

Matrix: Air

Date Received: 03/22/21 09:30

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		0.080		ppb v/v			03/25/21 14:54	1
1,2-Dichloropropane	ND		0.080		ppb v/v			03/25/21 14:54	1
1,2-Dichlorotetrafluoroethane	ND		0.080		ppb v/v			03/25/21 14:54	1
1,3,5-Trimethylbenzene	ND		0.080		ppb v/v			03/25/21 14:54	1
1,3-Dichlorobenzene	ND		0.080		ppb v/v			03/25/21 14:54	1
1,4-Dichlorobenzene	ND		0.080		ppb v/v			03/25/21 14:54	1
1,4-Dioxane	ND		0.20		ppb v/v			03/25/21 14:54	1
2,2,4-Trimethylpentane	ND		0.20		ppb v/v			03/25/21 14:54	1
2-Butanone	0.40		0.32		ppb v/v			03/25/21 14:54	1
4-Methyl-2-pentanone (MIBK)	ND		0.20		ppb v/v			03/25/21 14:54	1
Benzene	0.18		0.080		ppb v/v			03/25/21 14:54	1
Benzyl chloride	ND		0.16		ppb v/v			03/25/21 14:54	1
Bromodichloromethane	ND		0.080		ppb v/v			03/25/21 14:54	1
Bromoform	ND		0.080		ppb v/v			03/25/21 14:54	1
Bromomethane	ND		0.080		ppb v/v			03/25/21 14:54	1
Carbon tetrachloride	0.082		0.032		ppb v/v			03/25/21 14:54	1
Chlorobenzene	ND		0.080		ppb v/v			03/25/21 14:54	1
Chloroethane	ND		0.080		ppb v/v			03/25/21 14:54	1
Chloroform	ND		0.080		ppb v/v			03/25/21 14:54	1
Chloromethane	0.57		0.20		ppb v/v			03/25/21 14:54	1
cis-1,2-Dichloroethene	ND		0.040		ppb v/v			03/25/21 14:54	1
cis-1,3-Dichloropropene	ND		0.080		ppb v/v			03/25/21 14:54	1
Cyclohexane	ND		0.20		ppb v/v			03/25/21 14:54	1
Dibromochloromethane	ND		0.080		ppb v/v			03/25/21 14:54	1
Dichlorodifluoromethane	0.26		0.080		ppb v/v			03/25/21 14:54	1
Ethanol	8.8		2.0		ppb v/v			03/25/21 14:54	1
Ethylbenzene	ND		0.080		ppb v/v			03/25/21 14:54	1
Hexachlorobutadiene	ND		0.080		ppb v/v			03/25/21 14:54	1
Hexane	ND		0.20		ppb v/v			03/25/21 14:54	1
Methyl tert-butyl ether	ND		0.16		ppb v/v			03/25/21 14:54	1
Methylene Chloride	ND		0.40		ppb v/v			03/25/21 14:54	1
m-Xylene & p-Xylene	0.22		0.080		ppb v/v			03/25/21 14:54	1
Naphthalene	ND		0.20		ppb v/v			03/25/21 14:54	1
o-Xylene	ND		0.080		ppb v/v			03/25/21 14:54	1
Styrene	ND		0.080		ppb v/v			03/25/21 14:54	1
t-Butyl alcohol	ND		0.32		ppb v/v			03/25/21 14:54	1
Tetrachloroethene	ND		0.080		ppb v/v			03/25/21 14:54	1
Toluene	0.96		0.12		ppb v/v			03/25/21 14:54	1
trans-1,2-Dichloroethene	ND		0.080		ppb v/v			03/25/21 14:54	1
trans-1,3-Dichloropropene	ND		0.080		ppb v/v			03/25/21 14:54	1
Trichloroethene	ND		0.036		ppb v/v			03/25/21 14:54	1
Trichlorofluoromethane	0.23		0.080		ppb v/v			03/25/21 14:54	1
Vinyl chloride	ND		0.040		ppb v/v			03/25/21 14:54	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.44		ug/m3			03/25/21 14:54	1
1,1,2,2-Tetrachloroethane	ND		0.55		ug/m3			03/25/21 14:54	1
1,1,2-Trichloroethane	ND		0.44		ug/m3			03/25/21 14:54	1
1,1,2-Trichlorotrifluoroethane	ND		0.61		ug/m3			03/25/21 14:54	1

Client Sample Results

Client: New York State D.E.C.
 Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22399-1

Client Sample ID: 224121-OA-112

Lab Sample ID: 140-22399-15

Date Collected: 03/18/21 15:25

Matrix: Air

Date Received: 03/22/21 09:30

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.32		ug/m3			03/25/21 14:54	1
1,1-Dichloroethene	ND		0.16		ug/m3			03/25/21 14:54	1
1,2,4-Trichlorobenzene	ND		0.59		ug/m3			03/25/21 14:54	1
1,2,4-Trimethylbenzene	ND		0.39		ug/m3			03/25/21 14:54	1
1,2-Dibromoethane	ND		0.61		ug/m3			03/25/21 14:54	1
1,2-Dichlorobenzene	ND		0.48		ug/m3			03/25/21 14:54	1
1,2-Dichloroethane	ND		0.32		ug/m3			03/25/21 14:54	1
1,2-Dichloropropane	ND		0.37		ug/m3			03/25/21 14:54	1
1,2-Dichlorotetrafluoroethane	ND		0.56		ug/m3			03/25/21 14:54	1
1,3,5-Trimethylbenzene	ND		0.39		ug/m3			03/25/21 14:54	1
1,3-Dichlorobenzene	ND		0.48		ug/m3			03/25/21 14:54	1
1,4-Dichlorobenzene	ND		0.48		ug/m3			03/25/21 14:54	1
1,4-Dioxane	ND		0.72		ug/m3			03/25/21 14:54	1
2,2,4-Trimethylpentane	ND		0.93		ug/m3			03/25/21 14:54	1
2-Butanone	1.2		0.94		ug/m3			03/25/21 14:54	1
4-Methyl-2-pentanone (MIBK)	ND		0.82		ug/m3			03/25/21 14:54	1
Benzene	0.56		0.26		ug/m3			03/25/21 14:54	1
Benzyl chloride	ND		0.83		ug/m3			03/25/21 14:54	1
Bromodichloromethane	ND		0.54		ug/m3			03/25/21 14:54	1
Bromoform	ND		0.83		ug/m3			03/25/21 14:54	1
Bromomethane	ND		0.31		ug/m3			03/25/21 14:54	1
Carbon tetrachloride	0.51		0.20		ug/m3			03/25/21 14:54	1
Chlorobenzene	ND		0.37		ug/m3			03/25/21 14:54	1
Chloroethane	ND		0.21		ug/m3			03/25/21 14:54	1
Chloroform	ND		0.39		ug/m3			03/25/21 14:54	1
Chloromethane	1.2		0.41		ug/m3			03/25/21 14:54	1
cis-1,2-Dichloroethene	ND		0.16		ug/m3			03/25/21 14:54	1
cis-1,3-Dichloropropene	ND		0.36		ug/m3			03/25/21 14:54	1
Cyclohexane	ND		0.69		ug/m3			03/25/21 14:54	1
Dibromochloromethane	ND		0.68		ug/m3			03/25/21 14:54	1
Dichlorodifluoromethane	1.3		0.40		ug/m3			03/25/21 14:54	1
Ethanol	17		3.8		ug/m3			03/25/21 14:54	1
Ethylbenzene	ND		0.35		ug/m3			03/25/21 14:54	1
Hexachlorobutadiene	ND		0.85		ug/m3			03/25/21 14:54	1
Hexane	ND		0.70		ug/m3			03/25/21 14:54	1
Methyl tert-butyl ether	ND		0.58		ug/m3			03/25/21 14:54	1
Methylene Chloride	ND		1.4		ug/m3			03/25/21 14:54	1
m-Xylene & p-Xylene	0.96		0.35		ug/m3			03/25/21 14:54	1
Naphthalene	ND		1.0		ug/m3			03/25/21 14:54	1
o-Xylene	ND		0.35		ug/m3			03/25/21 14:54	1
Styrene	ND		0.34		ug/m3			03/25/21 14:54	1
t-Butyl alcohol	ND		0.97		ug/m3			03/25/21 14:54	1
Tetrachloroethene	ND		0.54		ug/m3			03/25/21 14:54	1
Toluene	3.6		0.45		ug/m3			03/25/21 14:54	1
trans-1,2-Dichloroethene	ND		0.32		ug/m3			03/25/21 14:54	1
trans-1,3-Dichloropropene	ND		0.36		ug/m3			03/25/21 14:54	1
Trichloroethene	ND		0.19		ug/m3			03/25/21 14:54	1
Trichlorofluoromethane	1.3		0.45		ug/m3			03/25/21 14:54	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22399-1

Client Sample ID: 224121-OA-112

Lab Sample ID: 140-22399-15

Date Collected: 03/18/21 15:25

Matrix: Air

Date Received: 03/22/21 09:30

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		0.10		ug/m3			03/25/21 14:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		60 - 140		03/25/21 14:54	1

VALIDATA

Chemical Services, Inc.

2159 Wynnton Pointe, Duluth, GA 30097

(770) 232-0130

(770) 232-5082 (Fax)

www.datavalidator.com

DATA USABILITY SUMMARY REPORT

COMPANY: AECOM Technical Services Northeast, Inc.
PROJECT NAME: Meeker Ave. Plume Trackdown #224121
CONTRACTED LAB: Eurofins Test America, Knoxville
QA/QC LEVEL: DUSR
ANALYTICAL METHOD(S): EPA Method TO-15
VALIDATION GUIDELINES: USEPA Region II data validation SOP (VOA-TO15 HW-31 Rev.6, Analysis of VOCs in Air contained in Canisters by Method TO-15, September 2016), Professional Judgment
SAMPLE MATRIX: Air
TYPES OF ANALYSES: Volatile Organic Compounds (VOC)
DATA REVIEWER(S): Amy L. Hogan
SDG NUMBER: 140-22570-1
SAMPLING DATE(S): March 29, 2021

SAMPLES:

<u>Client Sample ID</u>	<u>Laboratory ID</u>	<u>VOC</u>
BSMT-1	140-22570-1	X
BR-1	140-22570-2	X
BR-1DL	140-22570-2DL	X
BR-2	140-22570-3	X
BR-2DL	140-22570-3DL	X
OA-1	140-22570-4	X

Suffix Codes: DL= DILUTION, MS = MATRIX SPIKE,
MSD = MATRIX SPIKE DUPLICATE, RE = REANALYSIS

Qualifier	Definition
U	The analyte was not detected and was reported as less than the LOD or as defined by the customer. The LOD has been adjusted for any dilution or concentration of the sample.
J	The reported result was an estimated value with an unknown bias.
J+	The result was an estimated quantity, but the result may be biased high.
J-	The result was an estimated quantity, but the result may be biased low.
N	The analysis indicates the presence of an analyte for which there was presumptive evidence to make a "tentative identification."
NJ	The analyte has been "tentatively identified" or "presumptively" as present and the associated numerical value was the estimated concentration in the sample.
UJ	The analyte was not detected and was reported as less than the LOD or as defined by the customer. However, the associated numerical value is approximate.
X	The sample results (including non-detects) were affected by serious deficiencies in the ability to analyze the sample and to meet published method and project quality control criteria. The presence or absence of the analyte cannot be substantiated by the data provided. Acceptance or rejection of the data should be decided by the project team (which should include a project chemist), but exclusion of the data is recommended.

DATA USABILITY SUMMARY

Eurofins Test America, Knoxville – 140-22570-1

VOLATILE ORGANICS

SUMMARY

I.) General:

The analyses for Volatile Organics were performed per EPA Method TO-15.

Appendix A contains the qualified sample summary reports.

II.) Overall Assessment of Data:

All laboratory data were acceptable without qualifications.

It was noted on the Chain of Custody that the samples were received without a custody seal.

III.) Holding Times:

All Holding Time criteria were met. No data qualification was necessary.

IV.) GC/MS Tuning:

All GC/MS Tuning criteria were met. No data qualification was necessary.

V.) Calibration:

Initial Calibration:

All Initial Calibration criteria were met. No data qualification was necessary.

Initial Calibration Verification:

All Initial Calibration Verification criteria were met. No data qualification was necessary.

Continuing Calibration:

All Continuing Calibration criteria were met. No data qualification was necessary.

VI.) Blanks:

Method Blanks:

There were no detections in the method blanks for this SDG. No data qualification was necessary.

Canister Blanks:

There were no detections in the canister blank for this SDG. No data qualification was necessary.

VII.) Surrogate Recoveries:

All Surrogate Recovery criteria were met. No data qualification was necessary.

VIII.) Laboratory Control Samples (LCS):

Two LCS were analyzed by the laboratory for this SDG. All criteria were met. No data qualification was necessary.

IX.) Field Duplicates:

There were no field duplicate samples identified for this SDG. No data qualification was necessary.

XI.) TCL Compound Identification:

All TCL Compound Identification criteria were met. No data qualification was necessary.

XII.) Internal Standards Performance (ISTD):

All ISTD criteria were met. No data qualification was necessary.

XIII.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL):

The initial analysis styrene results for samples BR-1 and BR-2 exceeded the linear calibration range. A dilution analysis was performed for each sample with all calibration criteria met. Based on the linear calibration range, the validator has determined that the dilution analysis results for ethanol for the samples were of preferable data quality to the initial analysis results. The over range results in the initial analyses for the listed samples, which were denoted by an "E" were lined through and replaced with the dilution analysis results.

All other CRQL criteria were met.

Appendix A
Qualified Form Is

Client Sample Results

Client: New York State D.E.C.
 Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22570-1

Client Sample ID: BSMT-1

Lab Sample ID: 140-22570-1

Date Collected: 03/29/21 17:12

Matrix: Air

Date Received: 03/31/21 10:15

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.080		ppb v/v			04/03/21 19:00	1.33
1,1,2,2-Tetrachloroethane	ND		0.080		ppb v/v			04/03/21 19:00	1.33
1,1,2-Trichloroethane	ND		0.080		ppb v/v			04/03/21 19:00	1.33
1,1,2-Trichlorotrifluoroethane	ND		0.080		ppb v/v			04/03/21 19:00	1.33
1,1-Dichloroethane	ND		0.080		ppb v/v			04/03/21 19:00	1.33
1,1-Dichloroethene	ND		0.040		ppb v/v			04/03/21 19:00	1.33
1,2,4-Trichlorobenzene	ND		0.080		ppb v/v			04/03/21 19:00	1.33
1,2,4-Trimethylbenzene	0.11		0.080		ppb v/v			04/03/21 19:00	1.33
1,2-Dibromoethane	ND		0.080		ppb v/v			04/03/21 19:00	1.33
1,2-Dichlorobenzene	ND		0.080		ppb v/v			04/03/21 19:00	1.33
1,2-Dichloroethane	ND		0.080		ppb v/v			04/03/21 19:00	1.33
1,2-Dichloropropane	ND		0.080		ppb v/v			04/03/21 19:00	1.33
1,2-Dichlorotetrafluoroethane	ND		0.080		ppb v/v			04/03/21 19:00	1.33
1,3,5-Trimethylbenzene	ND		0.080		ppb v/v			04/03/21 19:00	1.33
1,3-Dichlorobenzene	ND		0.080		ppb v/v			04/03/21 19:00	1.33
1,4-Dichlorobenzene	ND		0.080		ppb v/v			04/03/21 19:00	1.33
1,4-Dioxane	ND		0.20		ppb v/v			04/03/21 19:00	1.33
2,2,4-Trimethylpentane	ND		0.20		ppb v/v			04/03/21 19:00	1.33
2-Butanone	0.51		0.32		ppb v/v			04/03/21 19:00	1.33
4-Methyl-2-pentanone (MIBK)	ND		0.20		ppb v/v			04/03/21 19:00	1.33
Benzene	0.26		0.080		ppb v/v			04/03/21 19:00	1.33
Benzyl chloride	ND		0.16		ppb v/v			04/03/21 19:00	1.33
Bromodichloromethane	ND		0.080		ppb v/v			04/03/21 19:00	1.33
Bromoform	ND		0.080		ppb v/v			04/03/21 19:00	1.33
Bromomethane	ND		0.080		ppb v/v			04/03/21 19:00	1.33
Carbon tetrachloride	0.072		0.032		ppb v/v			04/03/21 19:00	1.33
Chlorobenzene	ND		0.080		ppb v/v			04/03/21 19:00	1.33
Chloroethane	ND		0.080		ppb v/v			04/03/21 19:00	1.33
Chloroform	ND		0.080		ppb v/v			04/03/21 19:00	1.33
Chloromethane	0.69		0.20		ppb v/v			04/03/21 19:00	1.33
cis-1,2-Dichloroethene	ND		0.040		ppb v/v			04/03/21 19:00	1.33
cis-1,3-Dichloropropene	ND		0.080		ppb v/v			04/03/21 19:00	1.33
Cyclohexane	ND		0.20		ppb v/v			04/03/21 19:00	1.33
Dibromochloromethane	ND		0.080		ppb v/v			04/03/21 19:00	1.33
Dichlorodifluoromethane	0.34		0.080		ppb v/v			04/03/21 19:00	1.33
Ethanol	9.8		2.0		ppb v/v			04/03/21 19:00	1.33
Ethylbenzene	0.15		0.080		ppb v/v			04/03/21 19:00	1.33
Hexachlorobutadiene	ND		0.080		ppb v/v			04/03/21 19:00	1.33
Hexane	ND		0.20		ppb v/v			04/03/21 19:00	1.33
Methyl tert-butyl ether	ND		0.16		ppb v/v			04/03/21 19:00	1.33
Methylene Chloride	ND		0.40		ppb v/v			04/03/21 19:00	1.33
m-Xylene & p-Xylene	0.39		0.080		ppb v/v			04/03/21 19:00	1.33
Naphthalene	ND		0.20		ppb v/v			04/03/21 19:00	1.33
o-Xylene	0.15		0.080		ppb v/v			04/03/21 19:00	1.33
Styrene	1.5		0.080		ppb v/v			04/03/21 19:00	1.33
t-Butyl alcohol	ND		0.32		ppb v/v			04/03/21 19:00	1.33
Tetrachloroethene	0.17		0.080		ppb v/v			04/03/21 19:00	1.33
Toluene	0.54		0.12		ppb v/v			04/03/21 19:00	1.33

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22570-1

Client Sample ID: BSMT-1

Lab Sample ID: 140-22570-1

Date Collected: 03/29/21 17:12

Matrix: Air

Date Received: 03/31/21 10:15

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		0.080		ppb v/v			04/03/21 19:00	1.33
trans-1,3-Dichloropropene	ND		0.080		ppb v/v			04/03/21 19:00	1.33
Trichloroethene	0.060		0.036		ppb v/v			04/03/21 19:00	1.33
Trichlorofluoromethane	0.22		0.080		ppb v/v			04/03/21 19:00	1.33
Vinyl chloride	ND		0.040		ppb v/v			04/03/21 19:00	1.33
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.44		ug/m3			04/03/21 19:00	1.33
1,1,2,2-Tetrachloroethane	ND		0.55		ug/m3			04/03/21 19:00	1.33
1,1,2-Trichloroethane	ND		0.44		ug/m3			04/03/21 19:00	1.33
1,1,2-Trichlorotrifluoroethane	ND		0.61		ug/m3			04/03/21 19:00	1.33
1,1-Dichloroethane	ND		0.32		ug/m3			04/03/21 19:00	1.33
1,1-Dichloroethene	ND		0.16		ug/m3			04/03/21 19:00	1.33
1,2,4-Trichlorobenzene	ND		0.59		ug/m3			04/03/21 19:00	1.33
1,2,4-Trimethylbenzene	0.54		0.39		ug/m3			04/03/21 19:00	1.33
1,2-Dibromoethane	ND		0.61		ug/m3			04/03/21 19:00	1.33
1,2-Dichlorobenzene	ND		0.48		ug/m3			04/03/21 19:00	1.33
1,2-Dichloroethane	ND		0.32		ug/m3			04/03/21 19:00	1.33
1,2-Dichloropropane	ND		0.37		ug/m3			04/03/21 19:00	1.33
1,2-Dichlorotetrafluoroethane	ND		0.56		ug/m3			04/03/21 19:00	1.33
1,3,5-Trimethylbenzene	ND		0.39		ug/m3			04/03/21 19:00	1.33
1,3-Dichlorobenzene	ND		0.48		ug/m3			04/03/21 19:00	1.33
1,4-Dichlorobenzene	ND		0.48		ug/m3			04/03/21 19:00	1.33
1,4-Dioxane	ND		0.72		ug/m3			04/03/21 19:00	1.33
2,2,4-Trimethylpentane	ND		0.93		ug/m3			04/03/21 19:00	1.33
2-Butanone	1.5		0.94		ug/m3			04/03/21 19:00	1.33
4-Methyl-2-pentanone (MIBK)	ND		0.82		ug/m3			04/03/21 19:00	1.33
Benzene	0.84		0.26		ug/m3			04/03/21 19:00	1.33
Benzyl chloride	ND		0.83		ug/m3			04/03/21 19:00	1.33
Bromodichloromethane	ND		0.54		ug/m3			04/03/21 19:00	1.33
Bromoform	ND		0.83		ug/m3			04/03/21 19:00	1.33
Bromomethane	ND		0.31		ug/m3			04/03/21 19:00	1.33
Carbon tetrachloride	0.45		0.20		ug/m3			04/03/21 19:00	1.33
Chlorobenzene	ND		0.37		ug/m3			04/03/21 19:00	1.33
Chloroethane	ND		0.21		ug/m3			04/03/21 19:00	1.33
Chloroform	ND		0.39		ug/m3			04/03/21 19:00	1.33
Chloromethane	1.4		0.41		ug/m3			04/03/21 19:00	1.33
cis-1,2-Dichloroethene	ND		0.16		ug/m3			04/03/21 19:00	1.33
cis-1,3-Dichloropropene	ND		0.36		ug/m3			04/03/21 19:00	1.33
Cyclohexane	ND		0.69		ug/m3			04/03/21 19:00	1.33
Dibromochloromethane	ND		0.68		ug/m3			04/03/21 19:00	1.33
Dichlorodifluoromethane	1.7		0.40		ug/m3			04/03/21 19:00	1.33
Ethanol	19		3.8		ug/m3			04/03/21 19:00	1.33
Ethylbenzene	0.67		0.35		ug/m3			04/03/21 19:00	1.33
Hexachlorobutadiene	ND		0.85		ug/m3			04/03/21 19:00	1.33
Hexane	ND		0.70		ug/m3			04/03/21 19:00	1.33
Methyl tert-butyl ether	ND		0.58		ug/m3			04/03/21 19:00	1.33
Methylene Chloride	ND		1.4		ug/m3			04/03/21 19:00	1.33
m-Xylene & p-Xylene	1.7		0.35		ug/m3			04/03/21 19:00	1.33

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22570-1

Client Sample ID: BSMT-1

Lab Sample ID: 140-22570-1

Date Collected: 03/29/21 17:12

Matrix: Air

Date Received: 03/31/21 10:15

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		1.0		ug/m3			04/03/21 19:00	1.33
o-Xylene	0.66		0.35		ug/m3			04/03/21 19:00	1.33
Styrene	6.6		0.34		ug/m3			04/03/21 19:00	1.33
t-Butyl alcohol	ND		0.97		ug/m3			04/03/21 19:00	1.33
Tetrachloroethene	1.1		0.54		ug/m3			04/03/21 19:00	1.33
Toluene	2.0		0.45		ug/m3			04/03/21 19:00	1.33
trans-1,2-Dichloroethene	ND		0.32		ug/m3			04/03/21 19:00	1.33
trans-1,3-Dichloropropene	ND		0.36		ug/m3			04/03/21 19:00	1.33
Trichloroethene	0.32		0.19		ug/m3			04/03/21 19:00	1.33
Trichlorofluoromethane	1.2		0.45		ug/m3			04/03/21 19:00	1.33
Vinyl chloride	ND		0.10		ug/m3			04/03/21 19:00	1.33

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		60 - 140		04/03/21 19:00	1.33

Client Sample ID: BR-1

Lab Sample ID: 140-22570-2

Date Collected: 03/29/21 17:14

Matrix: Air

Date Received: 03/31/21 10:15

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.080		ppb v/v			04/03/21 19:53	1.45
1,1,2,2-Tetrachloroethane	ND		0.080		ppb v/v			04/03/21 19:53	1.45
1,1,2-Trichloroethane	ND		0.080		ppb v/v			04/03/21 19:53	1.45
1,1,2-Trichlorotrifluoroethane	ND		0.080		ppb v/v			04/03/21 19:53	1.45
1,1-Dichloroethane	ND		0.080		ppb v/v			04/03/21 19:53	1.45
1,1-Dichloroethene	ND		0.040		ppb v/v			04/03/21 19:53	1.45
1,2,4-Trichlorobenzene	ND		0.080		ppb v/v			04/03/21 19:53	1.45
1,2,4-Trimethylbenzene	0.14		0.080		ppb v/v			04/03/21 19:53	1.45
1,2-Dibromoethane	ND		0.080		ppb v/v			04/03/21 19:53	1.45
1,2-Dichlorobenzene	ND		0.080		ppb v/v			04/03/21 19:53	1.45
1,2-Dichloroethane	ND		0.080		ppb v/v			04/03/21 19:53	1.45
1,2-Dichloropropane	0.28		0.080		ppb v/v			04/03/21 19:53	1.45
1,2-Dichlorotetrafluoroethane	ND		0.080		ppb v/v			04/03/21 19:53	1.45
1,3,5-Trimethylbenzene	ND		0.080		ppb v/v			04/03/21 19:53	1.45
1,3-Dichlorobenzene	ND		0.080		ppb v/v			04/03/21 19:53	1.45
1,4-Dichlorobenzene	ND		0.080		ppb v/v			04/03/21 19:53	1.45
1,4-Dioxane	ND		0.20		ppb v/v			04/03/21 19:53	1.45
2,2,4-Trimethylpentane	ND		0.20		ppb v/v			04/03/21 19:53	1.45
2-Butanone	0.55		0.32		ppb v/v			04/03/21 19:53	1.45
4-Methyl-2-pentanone (MIBK)	0.20		0.20		ppb v/v			04/03/21 19:53	1.45
Benzene	0.52		0.080		ppb v/v			04/03/21 19:53	1.45
Benzyl chloride	ND		0.16		ppb v/v			04/03/21 19:53	1.45
Bromodichloromethane	ND		0.080		ppb v/v			04/03/21 19:53	1.45
Bromoform	ND		0.080		ppb v/v			04/03/21 19:53	1.45
Bromomethane	ND		0.080		ppb v/v			04/03/21 19:53	1.45
Carbon tetrachloride	0.063		0.032		ppb v/v			04/03/21 19:53	1.45
Chlorobenzene	ND		0.080		ppb v/v			04/03/21 19:53	1.45

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22570-1

Client Sample ID: BR-1

Lab Sample ID: 140-22570-2

Date Collected: 03/29/21 17:14

Matrix: Air

Date Received: 03/31/21 10:15

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	ND		0.080		ppb v/v			04/03/21 19:53	1.45
Chloroform	0.11		0.080		ppb v/v			04/03/21 19:53	1.45
Chloromethane	0.82		0.20		ppb v/v			04/03/21 19:53	1.45
cis-1,2-Dichloroethene	ND		0.040		ppb v/v			04/03/21 19:53	1.45
cis-1,3-Dichloropropene	ND		0.080		ppb v/v			04/03/21 19:53	1.45
Cyclohexane	0.27		0.20		ppb v/v			04/03/21 19:53	1.45
Dibromochloromethane	ND		0.080		ppb v/v			04/03/21 19:53	1.45
Dichlorodifluoromethane	0.34		0.080		ppb v/v			04/03/21 19:53	1.45
Ethanol	69		2.0		ppb v/v			04/03/21 19:53	1.45
Ethylbenzene	0.18		0.080		ppb v/v			04/03/21 19:53	1.45
Hexachlorobutadiene	ND		0.080		ppb v/v			04/03/21 19:53	1.45
Hexane	0.23		0.20		ppb v/v			04/03/21 19:53	1.45
Methyl tert-butyl ether	ND		0.16		ppb v/v			04/03/21 19:53	1.45
Methylene Chloride	ND		0.40		ppb v/v			04/03/21 19:53	1.45
m-Xylene & p-Xylene	0.45		0.080		ppb v/v			04/03/21 19:53	1.45
Naphthalene	ND		0.20		ppb v/v			04/03/21 19:53	1.45
o-Xylene	0.18		0.080		ppb v/v			04/03/21 19:53	1.45
Styrene	76 E		0.080		ppb v/v			04/03/21 19:53	1.45
t-Butyl alcohol	0.42		0.32		ppb v/v			04/03/21 19:53	1.45
Tetrachloroethene	2.7		0.080		ppb v/v			04/03/21 19:53	1.45
Toluene	0.63		0.12		ppb v/v			04/03/21 19:53	1.45
trans-1,2-Dichloroethene	ND		0.080		ppb v/v			04/03/21 19:53	1.45
trans-1,3-Dichloropropene	ND		0.080		ppb v/v			04/03/21 19:53	1.45
Trichloroethene	ND		0.036		ppb v/v			04/03/21 19:53	1.45
Trichlorofluoromethane	0.24		0.080		ppb v/v			04/03/21 19:53	1.45
Vinyl chloride	ND		0.040		ppb v/v			04/03/21 19:53	1.45

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.44		ug/m3			04/03/21 19:53	1.45
1,1,2,2-Tetrachloroethane	ND		0.55		ug/m3			04/03/21 19:53	1.45
1,1,2-Trichloroethane	ND		0.44		ug/m3			04/03/21 19:53	1.45
1,1,2-Trichlorotrifluoroethane	ND		0.61		ug/m3			04/03/21 19:53	1.45
1,1-Dichloroethane	ND		0.32		ug/m3			04/03/21 19:53	1.45
1,1-Dichloroethene	ND		0.16		ug/m3			04/03/21 19:53	1.45
1,2,4-Trichlorobenzene	ND		0.59		ug/m3			04/03/21 19:53	1.45
1,2,4-Trimethylbenzene	0.67		0.39		ug/m3			04/03/21 19:53	1.45
1,2-Dibromoethane	ND		0.61		ug/m3			04/03/21 19:53	1.45
1,2-Dichlorobenzene	ND		0.48		ug/m3			04/03/21 19:53	1.45
1,2-Dichloroethane	ND		0.32		ug/m3			04/03/21 19:53	1.45
1,2-Dichloropropane	1.3		0.37		ug/m3			04/03/21 19:53	1.45
1,2-Dichlorotetrafluoroethane	ND		0.56		ug/m3			04/03/21 19:53	1.45
1,3,5-Trimethylbenzene	ND		0.39		ug/m3			04/03/21 19:53	1.45
1,3-Dichlorobenzene	ND		0.48		ug/m3			04/03/21 19:53	1.45
1,4-Dichlorobenzene	ND		0.48		ug/m3			04/03/21 19:53	1.45
1,4-Dioxane	ND		0.72		ug/m3			04/03/21 19:53	1.45
2,2,4-Trimethylpentane	ND		0.93		ug/m3			04/03/21 19:53	1.45
2-Butanone	1.6		0.94		ug/m3			04/03/21 19:53	1.45
4-Methyl-2-pentanone (MIBK)	0.83		0.82		ug/m3			04/03/21 19:53	1.45
Benzene	1.7		0.26		ug/m3			04/03/21 19:53	1.45

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22570-1

Client Sample ID: BR-1

Lab Sample ID: 140-22570-2

Date Collected: 03/29/21 17:14

Matrix: Air

Date Received: 03/31/21 10:15

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzyl chloride	ND		0.83		ug/m3			04/03/21 19:53	1.45
Bromodichloromethane	ND		0.54		ug/m3			04/03/21 19:53	1.45
Bromoform	ND		0.83		ug/m3			04/03/21 19:53	1.45
Bromomethane	ND		0.31		ug/m3			04/03/21 19:53	1.45
Carbon tetrachloride	0.40		0.20		ug/m3			04/03/21 19:53	1.45
Chlorobenzene	ND		0.37		ug/m3			04/03/21 19:53	1.45
Chloroethane	ND		0.21		ug/m3			04/03/21 19:53	1.45
Chloroform	0.55		0.39		ug/m3			04/03/21 19:53	1.45
Chloromethane	1.7		0.41		ug/m3			04/03/21 19:53	1.45
cis-1,2-Dichloroethene	ND		0.16		ug/m3			04/03/21 19:53	1.45
cis-1,3-Dichloropropene	ND		0.36		ug/m3			04/03/21 19:53	1.45
Cyclohexane	0.94		0.69		ug/m3			04/03/21 19:53	1.45
Dibromochloromethane	ND		0.68		ug/m3			04/03/21 19:53	1.45
Dichlorodifluoromethane	1.7		0.40		ug/m3			04/03/21 19:53	1.45
Ethanol	130		3.8		ug/m3			04/03/21 19:53	1.45
Ethylbenzene	0.77		0.35		ug/m3			04/03/21 19:53	1.45
Hexachlorobutadiene	ND		0.85		ug/m3			04/03/21 19:53	1.45
Hexane	0.82		0.70		ug/m3			04/03/21 19:53	1.45
Methyl tert-butyl ether	ND		0.58		ug/m3			04/03/21 19:53	1.45
Methylene Chloride	ND		1.4		ug/m3			04/03/21 19:53	1.45
m-Xylene & p-Xylene	2.0		0.35		ug/m3			04/03/21 19:53	1.45
Naphthalene	ND		1.0		ug/m3			04/03/21 19:53	1.45
o-Xylene	0.79		0.35		ug/m3			04/03/21 19:53	1.45
Styrene	320	320-E	0.34		ug/m3			04/03/21 19:53	1.45
t-Butyl alcohol	1.3		0.97		ug/m3			04/03/21 19:53	1.45
Tetrachloroethene	18		0.54		ug/m3			04/03/21 19:53	1.45
Toluene	2.4		0.45		ug/m3			04/03/21 19:53	1.45
trans-1,2-Dichloroethene	ND		0.32		ug/m3			04/03/21 19:53	1.45
trans-1,3-Dichloropropene	ND		0.36		ug/m3			04/03/21 19:53	1.45
Trichloroethene	ND		0.19		ug/m3			04/03/21 19:53	1.45
Trichlorofluoromethane	1.3		0.45		ug/m3			04/03/21 19:53	1.45
Vinyl chloride	ND		0.10		ug/m3			04/03/21 19:53	1.45

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		60 - 140		04/03/21 19:53	1.45

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	74	D	1.2		ppb v/v			04/05/21 17:37	1.45
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	320	D	4.9		ug/m3			04/05/21 17:37	1.45

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		60 - 140		04/05/21 17:37	1.45

Client Sample Results

Client: New York State D.E.C.
 Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22570-1

Client Sample ID: BR-2

Lab Sample ID: 140-22570-3

Date Collected: 03/29/21 17:15

Matrix: Air

Date Received: 03/31/21 10:15

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.080		ppb v/v			04/03/21 20:45	1.42
1,1,2,2-Tetrachloroethane	ND		0.080		ppb v/v			04/03/21 20:45	1.42
1,1,2-Trichloroethane	ND		0.080		ppb v/v			04/03/21 20:45	1.42
1,1,2-Trichlorotrifluoroethane	ND		0.080		ppb v/v			04/03/21 20:45	1.42
1,1-Dichloroethane	ND		0.080		ppb v/v			04/03/21 20:45	1.42
1,1-Dichloroethene	ND		0.040		ppb v/v			04/03/21 20:45	1.42
1,2,4-Trichlorobenzene	ND		0.080		ppb v/v			04/03/21 20:45	1.42
1,2,4-Trimethylbenzene	ND		0.080		ppb v/v			04/03/21 20:45	1.42
1,2-Dibromoethane	ND		0.080		ppb v/v			04/03/21 20:45	1.42
1,2-Dichlorobenzene	ND		0.080		ppb v/v			04/03/21 20:45	1.42
1,2-Dichloroethane	ND		0.080		ppb v/v			04/03/21 20:45	1.42
1,2-Dichloropropane	0.24		0.080		ppb v/v			04/03/21 20:45	1.42
1,2-Dichlorotetrafluoroethane	ND		0.080		ppb v/v			04/03/21 20:45	1.42
1,3,5-Trimethylbenzene	ND		0.080		ppb v/v			04/03/21 20:45	1.42
1,3-Dichlorobenzene	ND		0.080		ppb v/v			04/03/21 20:45	1.42
1,4-Dichlorobenzene	ND		0.080		ppb v/v			04/03/21 20:45	1.42
1,4-Dioxane	ND		0.20		ppb v/v			04/03/21 20:45	1.42
2,2,4-Trimethylpentane	ND		0.20		ppb v/v			04/03/21 20:45	1.42
2-Butanone	2.8		0.32		ppb v/v			04/03/21 20:45	1.42
4-Methyl-2-pentanone (MIBK)	ND		0.20		ppb v/v			04/03/21 20:45	1.42
Benzene	0.48		0.080		ppb v/v			04/03/21 20:45	1.42
Benzyl chloride	ND		0.16		ppb v/v			04/03/21 20:45	1.42
Bromodichloromethane	ND		0.080		ppb v/v			04/03/21 20:45	1.42
Bromoform	ND		0.080		ppb v/v			04/03/21 20:45	1.42
Bromomethane	ND		0.080		ppb v/v			04/03/21 20:45	1.42
Carbon tetrachloride	0.069		0.032		ppb v/v			04/03/21 20:45	1.42
Chlorobenzene	ND		0.080		ppb v/v			04/03/21 20:45	1.42
Chloroethane	ND		0.080		ppb v/v			04/03/21 20:45	1.42
Chloroform	0.10		0.080		ppb v/v			04/03/21 20:45	1.42
Chloromethane	0.82		0.20		ppb v/v			04/03/21 20:45	1.42
cis-1,2-Dichloroethene	ND		0.040		ppb v/v			04/03/21 20:45	1.42
cis-1,3-Dichloropropene	ND		0.080		ppb v/v			04/03/21 20:45	1.42
Cyclohexane	0.27		0.20		ppb v/v			04/03/21 20:45	1.42
Dibromochloromethane	ND		0.080		ppb v/v			04/03/21 20:45	1.42
Dichlorodifluoromethane	0.34		0.080		ppb v/v			04/03/21 20:45	1.42
Ethanol	61		2.0		ppb v/v			04/03/21 20:45	1.42
Ethylbenzene	0.081		0.080		ppb v/v			04/03/21 20:45	1.42
Hexachlorobutadiene	ND		0.080		ppb v/v			04/03/21 20:45	1.42
Hexane	0.24		0.20		ppb v/v			04/03/21 20:45	1.42
Methyl tert-butyl ether	ND		0.16		ppb v/v			04/03/21 20:45	1.42
Methylene Chloride	ND		0.40		ppb v/v			04/03/21 20:45	1.42
m-Xylene & p-Xylene	0.17		0.080		ppb v/v			04/03/21 20:45	1.42
Naphthalene	ND		0.20		ppb v/v			04/03/21 20:45	1.42
o-Xylene	ND		0.080		ppb v/v			04/03/21 20:45	1.42
Styrene	24 E		0.080		ppb v/v			04/03/21 20:45	1.42
t-Butyl alcohol	0.40		0.32		ppb v/v			04/03/21 20:45	1.42
Tetrachloroethene	1.9		0.080		ppb v/v			04/03/21 20:45	1.42
Toluene	0.48		0.12		ppb v/v			04/03/21 20:45	1.42

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22570-1

Client Sample ID: BR-2

Lab Sample ID: 140-22570-3

Date Collected: 03/29/21 17:15

Matrix: Air

Date Received: 03/31/21 10:15

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		0.080		ppb v/v			04/03/21 20:45	1.42
trans-1,3-Dichloropropene	ND		0.080		ppb v/v			04/03/21 20:45	1.42
Trichloroethene	ND		0.036		ppb v/v			04/03/21 20:45	1.42
Trichlorofluoromethane	0.20		0.080		ppb v/v			04/03/21 20:45	1.42
Vinyl chloride	ND		0.040		ppb v/v			04/03/21 20:45	1.42
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.44		ug/m3			04/03/21 20:45	1.42
1,1,2,2-Tetrachloroethane	ND		0.55		ug/m3			04/03/21 20:45	1.42
1,1,2-Trichloroethane	ND		0.44		ug/m3			04/03/21 20:45	1.42
1,1,2-Trichlorotrifluoroethane	ND		0.61		ug/m3			04/03/21 20:45	1.42
1,1-Dichloroethane	ND		0.32		ug/m3			04/03/21 20:45	1.42
1,1-Dichloroethene	ND		0.16		ug/m3			04/03/21 20:45	1.42
1,2,4-Trichlorobenzene	ND		0.59		ug/m3			04/03/21 20:45	1.42
1,2,4-Trimethylbenzene	ND		0.39		ug/m3			04/03/21 20:45	1.42
1,2-Dibromoethane	ND		0.61		ug/m3			04/03/21 20:45	1.42
1,2-Dichlorobenzene	ND		0.48		ug/m3			04/03/21 20:45	1.42
1,2-Dichloroethane	ND		0.32		ug/m3			04/03/21 20:45	1.42
1,2-Dichloropropane	1.1		0.37		ug/m3			04/03/21 20:45	1.42
1,2-Dichlorotetrafluoroethane	ND		0.56		ug/m3			04/03/21 20:45	1.42
1,3,5-Trimethylbenzene	ND		0.39		ug/m3			04/03/21 20:45	1.42
1,3-Dichlorobenzene	ND		0.48		ug/m3			04/03/21 20:45	1.42
1,4-Dichlorobenzene	ND		0.48		ug/m3			04/03/21 20:45	1.42
1,4-Dioxane	ND		0.72		ug/m3			04/03/21 20:45	1.42
2,2,4-Trimethylpentane	ND		0.93		ug/m3			04/03/21 20:45	1.42
2-Butanone	8.3		0.94		ug/m3			04/03/21 20:45	1.42
4-Methyl-2-pentanone (MIBK)	ND		0.82		ug/m3			04/03/21 20:45	1.42
Benzene	1.5		0.26		ug/m3			04/03/21 20:45	1.42
Benzyl chloride	ND		0.83		ug/m3			04/03/21 20:45	1.42
Bromodichloromethane	ND		0.54		ug/m3			04/03/21 20:45	1.42
Bromoform	ND		0.83		ug/m3			04/03/21 20:45	1.42
Bromomethane	ND		0.31		ug/m3			04/03/21 20:45	1.42
Carbon tetrachloride	0.43		0.20		ug/m3			04/03/21 20:45	1.42
Chlorobenzene	ND		0.37		ug/m3			04/03/21 20:45	1.42
Chloroethane	ND		0.21		ug/m3			04/03/21 20:45	1.42
Chloroform	0.51		0.39		ug/m3			04/03/21 20:45	1.42
Chloromethane	1.7		0.41		ug/m3			04/03/21 20:45	1.42
cis-1,2-Dichloroethene	ND		0.16		ug/m3			04/03/21 20:45	1.42
cis-1,3-Dichloropropene	ND		0.36		ug/m3			04/03/21 20:45	1.42
Cyclohexane	0.94		0.69		ug/m3			04/03/21 20:45	1.42
Dibromochloromethane	ND		0.68		ug/m3			04/03/21 20:45	1.42
Dichlorodifluoromethane	1.7		0.40		ug/m3			04/03/21 20:45	1.42
Ethanol	120		3.8		ug/m3			04/03/21 20:45	1.42
Ethylbenzene	0.35		0.35		ug/m3			04/03/21 20:45	1.42
Hexachlorobutadiene	ND		0.85		ug/m3			04/03/21 20:45	1.42
Hexane	0.84		0.70		ug/m3			04/03/21 20:45	1.42
Methyl tert-butyl ether	ND		0.58		ug/m3			04/03/21 20:45	1.42
Methylene Chloride	ND		1.4		ug/m3			04/03/21 20:45	1.42
m-Xylene & p-Xylene	0.73		0.35		ug/m3			04/03/21 20:45	1.42

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22570-1

Client Sample ID: BR-2

Lab Sample ID: 140-22570-3

Date Collected: 03/29/21 17:15

Matrix: Air

Date Received: 03/31/21 10:15

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		1.0		ug/m3			04/03/21 20:45	1.42
o-Xylene	ND		0.35		ug/m3			04/03/21 20:45	1.42
Styrene	75	100-E	0.34		ug/m3			04/03/21 20:45	1.42
t-Butyl alcohol	1.2		0.97		ug/m3			04/03/21 20:45	1.42
Tetrachloroethene	13		0.54		ug/m3			04/03/21 20:45	1.42
Toluene	1.8		0.45		ug/m3			04/03/21 20:45	1.42
trans-1,2-Dichloroethene	ND		0.32		ug/m3			04/03/21 20:45	1.42
trans-1,3-Dichloropropene	ND		0.36		ug/m3			04/03/21 20:45	1.42
Trichloroethene	ND		0.19		ug/m3			04/03/21 20:45	1.42
Trichlorofluoromethane	1.1		0.45		ug/m3			04/03/21 20:45	1.42
Vinyl chloride	ND		0.10		ug/m3			04/03/21 20:45	1.42

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		60 - 140		04/03/21 20:45	1.42

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	18	D	0.57		ppb v/v			04/05/21 18:23	1.42
Styrene	75	D	2.4		ug/m3			04/05/21 18:23	1.42

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		60 - 140		04/05/21 18:23	1.42

Client Sample ID: OA-1

Lab Sample ID: 140-22570-4

Date Collected: 03/29/21 17:20

Matrix: Air

Date Received: 03/31/21 10:15

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.080		ppb v/v			04/03/21 21:36	1.37
1,1,2,2-Tetrachloroethane	ND		0.080		ppb v/v			04/03/21 21:36	1.37
1,1,2-Trichloroethane	ND		0.080		ppb v/v			04/03/21 21:36	1.37
1,1,2-Trichlorotrifluoroethane	ND		0.080		ppb v/v			04/03/21 21:36	1.37
1,1-Dichloroethane	ND		0.080		ppb v/v			04/03/21 21:36	1.37
1,1-Dichloroethene	ND		0.040		ppb v/v			04/03/21 21:36	1.37
1,2,4-Trichlorobenzene	ND		0.080		ppb v/v			04/03/21 21:36	1.37
1,2,4-Trimethylbenzene	ND		0.080		ppb v/v			04/03/21 21:36	1.37
1,2-Dibromoethane	ND		0.080		ppb v/v			04/03/21 21:36	1.37
1,2-Dichlorobenzene	ND		0.080		ppb v/v			04/03/21 21:36	1.37
1,2-Dichloroethane	ND		0.080		ppb v/v			04/03/21 21:36	1.37
1,2-Dichloropropane	ND		0.080		ppb v/v			04/03/21 21:36	1.37
1,2-Dichlorotetrafluoroethane	ND		0.080		ppb v/v			04/03/21 21:36	1.37
1,3,5-Trimethylbenzene	ND		0.080		ppb v/v			04/03/21 21:36	1.37
1,3-Dichlorobenzene	ND		0.080		ppb v/v			04/03/21 21:36	1.37
1,4-Dichlorobenzene	ND		0.080		ppb v/v			04/03/21 21:36	1.37
1,4-Dioxane	ND		0.20		ppb v/v			04/03/21 21:36	1.37
2,2,4-Trimethylpentane	ND		0.20		ppb v/v			04/03/21 21:36	1.37

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22570-1

Client Sample ID: OA-1

Lab Sample ID: 140-22570-4

Date Collected: 03/29/21 17:20

Matrix: Air

Date Received: 03/31/21 10:15

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone	0.33		0.32		ppb v/v			04/03/21 21:36	1.37
4-Methyl-2-pentanone (MIBK)	ND		0.20		ppb v/v			04/03/21 21:36	1.37
Benzene	0.28		0.080		ppb v/v			04/03/21 21:36	1.37
Benzyl chloride	ND		0.16		ppb v/v			04/03/21 21:36	1.37
Bromodichloromethane	ND		0.080		ppb v/v			04/03/21 21:36	1.37
Bromoform	ND		0.080		ppb v/v			04/03/21 21:36	1.37
Bromomethane	ND		0.080		ppb v/v			04/03/21 21:36	1.37
Carbon tetrachloride	0.078		0.032		ppb v/v			04/03/21 21:36	1.37
Chlorobenzene	ND		0.080		ppb v/v			04/03/21 21:36	1.37
Chloroethane	ND		0.080		ppb v/v			04/03/21 21:36	1.37
Chloroform	ND		0.080		ppb v/v			04/03/21 21:36	1.37
Chloromethane	0.56		0.20		ppb v/v			04/03/21 21:36	1.37
cis-1,2-Dichloroethene	ND		0.040		ppb v/v			04/03/21 21:36	1.37
cis-1,3-Dichloropropene	ND		0.080		ppb v/v			04/03/21 21:36	1.37
Cyclohexane	ND		0.20		ppb v/v			04/03/21 21:36	1.37
Dibromochloromethane	ND		0.080		ppb v/v			04/03/21 21:36	1.37
Dichlorodifluoromethane	0.36		0.080		ppb v/v			04/03/21 21:36	1.37
Ethanol	14		2.0		ppb v/v			04/03/21 21:36	1.37
Ethylbenzene	ND		0.080		ppb v/v			04/03/21 21:36	1.37
Hexachlorobutadiene	ND		0.080		ppb v/v			04/03/21 21:36	1.37
Hexane	ND		0.20		ppb v/v			04/03/21 21:36	1.37
Methyl tert-butyl ether	ND		0.16		ppb v/v			04/03/21 21:36	1.37
Methylene Chloride	ND		0.40		ppb v/v			04/03/21 21:36	1.37
m-Xylene & p-Xylene	0.23		0.080		ppb v/v			04/03/21 21:36	1.37
Naphthalene	ND		0.20		ppb v/v			04/03/21 21:36	1.37
o-Xylene	0.097		0.080		ppb v/v			04/03/21 21:36	1.37
Styrene	0.85		0.080		ppb v/v			04/03/21 21:36	1.37
t-Butyl alcohol	ND		0.32		ppb v/v			04/03/21 21:36	1.37
Tetrachloroethene	ND		0.080		ppb v/v			04/03/21 21:36	1.37
Toluene	0.49		0.12		ppb v/v			04/03/21 21:36	1.37
trans-1,2-Dichloroethene	ND		0.080		ppb v/v			04/03/21 21:36	1.37
trans-1,3-Dichloropropene	ND		0.080		ppb v/v			04/03/21 21:36	1.37
Trichloroethene	ND		0.036		ppb v/v			04/03/21 21:36	1.37
Trichlorofluoromethane	0.24		0.080		ppb v/v			04/03/21 21:36	1.37
Vinyl chloride	ND		0.040		ppb v/v			04/03/21 21:36	1.37
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.44		ug/m3			04/03/21 21:36	1.37
1,1,2,2-Tetrachloroethane	ND		0.55		ug/m3			04/03/21 21:36	1.37
1,1,2-Trichloroethane	ND		0.44		ug/m3			04/03/21 21:36	1.37
1,1,2-Trichlorotrifluoroethane	ND		0.61		ug/m3			04/03/21 21:36	1.37
1,1-Dichloroethane	ND		0.32		ug/m3			04/03/21 21:36	1.37
1,1-Dichloroethene	ND		0.16		ug/m3			04/03/21 21:36	1.37
1,2,4-Trichlorobenzene	ND		0.59		ug/m3			04/03/21 21:36	1.37
1,2,4-Trimethylbenzene	ND		0.39		ug/m3			04/03/21 21:36	1.37
1,2-Dibromoethane	ND		0.61		ug/m3			04/03/21 21:36	1.37
1,2-Dichlorobenzene	ND		0.48		ug/m3			04/03/21 21:36	1.37
1,2-Dichloroethane	ND		0.32		ug/m3			04/03/21 21:36	1.37
1,2-Dichloropropane	ND		0.37		ug/m3			04/03/21 21:36	1.37

Client Sample Results

Client: New York State D.E.C.
Project/Site: Meeker Ave. Plume Trackdown #224121

Job ID: 140-22570-1

Client Sample ID: OA-1

Lab Sample ID: 140-22570-4

Date Collected: 03/29/21 17:20

Matrix: Air

Date Received: 03/31/21 10:15

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorotetrafluoroethane	ND		0.56		ug/m3			04/03/21 21:36	1.37
1,3,5-Trimethylbenzene	ND		0.39		ug/m3			04/03/21 21:36	1.37
1,3-Dichlorobenzene	ND		0.48		ug/m3			04/03/21 21:36	1.37
1,4-Dichlorobenzene	ND		0.48		ug/m3			04/03/21 21:36	1.37
1,4-Dioxane	ND		0.72		ug/m3			04/03/21 21:36	1.37
2,2,4-Trimethylpentane	ND		0.93		ug/m3			04/03/21 21:36	1.37
2-Butanone	0.98		0.94		ug/m3			04/03/21 21:36	1.37
4-Methyl-2-pentanone (MIBK)	ND		0.82		ug/m3			04/03/21 21:36	1.37
Benzene	0.89		0.26		ug/m3			04/03/21 21:36	1.37
Benzyl chloride	ND		0.83		ug/m3			04/03/21 21:36	1.37
Bromodichloromethane	ND		0.54		ug/m3			04/03/21 21:36	1.37
Bromoform	ND		0.83		ug/m3			04/03/21 21:36	1.37
Bromomethane	ND		0.31		ug/m3			04/03/21 21:36	1.37
Carbon tetrachloride	0.49		0.20		ug/m3			04/03/21 21:36	1.37
Chlorobenzene	ND		0.37		ug/m3			04/03/21 21:36	1.37
Chloroethane	ND		0.21		ug/m3			04/03/21 21:36	1.37
Chloroform	ND		0.39		ug/m3			04/03/21 21:36	1.37
Chloromethane	1.2		0.41		ug/m3			04/03/21 21:36	1.37
cis-1,2-Dichloroethene	ND		0.16		ug/m3			04/03/21 21:36	1.37
cis-1,3-Dichloropropene	ND		0.36		ug/m3			04/03/21 21:36	1.37
Cyclohexane	ND		0.69		ug/m3			04/03/21 21:36	1.37
Dibromochloromethane	ND		0.68		ug/m3			04/03/21 21:36	1.37
Dichlorodifluoromethane	1.8		0.40		ug/m3			04/03/21 21:36	1.37
Ethanol	27		3.8		ug/m3			04/03/21 21:36	1.37
Ethylbenzene	ND		0.35		ug/m3			04/03/21 21:36	1.37
Hexachlorobutadiene	ND		0.85		ug/m3			04/03/21 21:36	1.37
Hexane	ND		0.70		ug/m3			04/03/21 21:36	1.37
Methyl tert-butyl ether	ND		0.58		ug/m3			04/03/21 21:36	1.37
Methylene Chloride	ND		1.4		ug/m3			04/03/21 21:36	1.37
m-Xylene & p-Xylene	0.98		0.35		ug/m3			04/03/21 21:36	1.37
Naphthalene	ND		1.0		ug/m3			04/03/21 21:36	1.37
o-Xylene	0.42		0.35		ug/m3			04/03/21 21:36	1.37
Styrene	3.6		0.34		ug/m3			04/03/21 21:36	1.37
t-Butyl alcohol	ND		0.97		ug/m3			04/03/21 21:36	1.37
Tetrachloroethene	ND		0.54		ug/m3			04/03/21 21:36	1.37
Toluene	1.9		0.45		ug/m3			04/03/21 21:36	1.37
trans-1,2-Dichloroethene	ND		0.32		ug/m3			04/03/21 21:36	1.37
trans-1,3-Dichloropropene	ND		0.36		ug/m3			04/03/21 21:36	1.37
Trichloroethene	ND		0.19		ug/m3			04/03/21 21:36	1.37
Trichlorofluoromethane	1.3		0.45		ug/m3			04/03/21 21:36	1.37
Vinyl chloride	ND		0.10		ug/m3			04/03/21 21:36	1.37
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		60 - 140					04/03/21 21:36	1.37

APPENDIX B

NYSDOH SOIL VAPOR/INDOOR AIR DECISION MATRICES

Soil Vapor/Indoor Air Matrix A

May 2017

Analytes Assigned:

Trichloroethene (TCE), *cis*-1,2-Dichloroethene (c12-DCE), 1,1-Dichloroethene (11-DCE), Carbon Tetrachloride

SUB-SLAB VAPOR CONCENTRATION of COMPOUND (mcg/m ³)	INDOOR AIR CONCENTRATION of COMPOUND (mcg/m ³)		
	< 0.2	0.2 to < 1	1 and above
< 6	1. No further action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
6 to < 60	4. No further action	5. MONITOR	6. MITIGATE
60 and above	7. MITIGATE	8. MITIGATE	9. MITIGATE

No further action: No additional actions are recommended to address human exposures.

Identify Source(s) and Resample or Mitigate: We recommend that reasonable and practical actions be taken to identify the source(s) affecting the indoor air quality and that actions be implemented to reduce indoor air concentrations to within background ranges. For example, if an indoor or outdoor air source is identified, we recommend the appropriate party implement actions to reduce the levels. In the event that indoor or outdoor sources are not readily identified or confirmed, resampling (which might include additional sub-slab vapor and indoor air sampling locations) is recommended to demonstrate that SVI mitigation actions are not needed. Based on the information available, mitigation might also be recommended when soil vapor intrusion cannot be ruled out.

Monitor: We recommend monitoring (sampling on a recurring basis), including but not necessarily limited to sub-slab vapor, basement air and outdoor air sampling, to determine whether concentrations in the indoor air or sub-slab vapor have changed and/or to evaluate temporal influences. Monitoring might also be recommended to determine whether existing building conditions (e.g., positive pressure heating, ventilation and air-conditioning systems) are maintaining the desired mitigation endpoint and to determine whether changes are needed. The type and frequency of monitoring is determined based on site-, building- and analyte-specific information, taking into account applicable environmental data and building operating conditions. Monitoring is an interim measure required to evaluate exposures related to soil vapor intrusion until contaminated environmental media are remediated.

Mitigate: We recommend mitigation to minimize current or potential exposures associated with soil vapor intrusion. The most common mitigation methods are sealing preferential pathways in conjunction with installing a sub-slab depressurization system and changing the pressurization of the building in conjunction with monitoring. The type, or combination of types, of mitigation is determined on a building-specific basis, taking into account building construction and operating conditions. Mitigation is considered a temporary measure implemented to address exposures related to soil vapor intrusion until contaminated environmental media are remediated.

These general recommendations are made with consideration being given to the additional notes on page 2.

ADDITIONAL NOTES FOR MATRIX A

This matrix summarizes actions recommended to address current and potential exposures related to soil vapor intrusion. To use the matrix appropriately as a tool in the decision-making process, the following should be noted:

- [1] The matrix is generic. As such, it may be appropriate to modify a recommended action to accommodate analyte-specific, building-specific conditions (e.g., dirt floor in basement, crawl spaces, thick slabs, current occupancy, etc.), and/or factors provided in Section 3.2 of the guidance (e.g., current land use, environmental conditions, etc.). For example, collection of additional samples may be recommended when the matrix indicates "no further action" for a particular building, but the results of adjacent buildings (especially sub-slab vapor results) indicate a need to take actions to address exposures related to soil vapor intrusion. Mitigation might be recommended when the results of multiple contaminants indicate monitoring is recommended. Proactive actions may be proposed at any time. For example, the party implementing the actions may decide to install sub-slab depressurization systems on buildings where the matrix indicates "no further action" or "monitoring." Such an action might be undertaken for reasons other than public health (e.g., seeking community acceptance, reducing costs, etc.). However, actions implemented *in lieu* of sampling will typically be expected to be captured in the final engineering report and site management plan, and might not rule out the need for post-implementation sampling (e.g., to document effectiveness or to support terminating the action).
- [2] Actions provided in the matrix are specific to addressing human exposures. Implementation of these actions does not preclude investigating possible sources of soil vapor contamination, nor does it preclude remediating contaminated soil vapor or the source of soil vapor contamination.
- [3] Appropriate care should be taken during all aspects of sample collection to ensure that high quality data are obtained. Since the data are being used in the decision-making process, the laboratory analyzing the environmental samples must have current Environmental Laboratory Approval Program (ELAP) certification for the appropriate analyte and environmental matrix combinations. Furthermore, samples should be analyzed by methods that can achieve a minimum reporting limit of 0.20 microgram per cubic meter for indoor and outdoor air samples. For sub-slab vapor samples and dirt floor soil vapor samples, a minimum reporting limit of 1 microgram per cubic meter is recommended.
- [4] Sub-slab vapor and indoor air samples are typically collected when the likelihood of soil vapor intrusion is considered to be the greatest (i.e., worst-case conditions). If samples are collected at other times (typically, samples collected outside of the heating season), then resampling during worst-case conditions might be appropriate to verify that actions taken to address exposures related to soil vapor intrusion are protective of human health.
- [5] When current exposures are attributed to sources other than soil vapor intrusion, the agencies should be given documentation (e.g., applicable environmental data, completed indoor air sampling questionnaire, digital photographs, etc.) to support a proposed action other than that provided in the matrix box and to support agency assessment and follow-up.
- [6] The party responsible for implementing the recommended actions will differ depending upon several factors, including but not limited to the following: the identified source of the volatile chemicals, the environmental remediation program, and analyte-specific, site-specific and building-specific factors.

Soil Vapor/Indoor Air Matrix B

May 2017

Analytes Assigned:

Tetrachloroethene (PCE), 1,1,1-Trichloroethane (111-TCA), Methylene Chloride

SUB-SLAB VAPOR CONCENTRATION of COMPOUND (mcg/m ³)	INDOOR AIR CONCENTRATION of COMPOUND (mcg/m ³)		
	< 3	3 to < 10	10 and above
< 100	1. No further action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
100 to < 1,000	4. No further action	5. MONITOR	6. MITIGATE
1,000 and above	7. MITIGATE	8. MITIGATE	9. MITIGATE

No further action: No additional actions are recommended to address human exposures.

Identify Source(s) and Resample or Mitigate: We recommend that reasonable and practical actions be taken to identify the source(s) affecting the indoor air quality and that actions be implemented to reduce indoor air concentrations to within background ranges. For example, if an indoor or outdoor air source is identified, we recommend the appropriate party implement actions to reduce the levels. In the event that indoor or outdoor sources are not readily identified or confirmed, resampling (which might include additional sub-slab vapor and indoor air sampling locations) is recommended to demonstrate that SVI mitigation actions are not needed. Based on the information available, mitigation might also be recommended when soil vapor intrusion cannot be ruled out.

Monitor: We recommend monitoring (sampling on a recurring basis), including but not necessarily limited to sub-slab vapor, basement air and outdoor air sampling, to determine whether concentrations in the indoor air or sub-slab vapor have changed and/or to evaluate temporal influences. Monitoring might also be recommended to determine whether existing building conditions (e.g., positive pressure heating, ventilation and air-conditioning systems) are maintaining the desired mitigation endpoint and to determine whether changes are needed. The type and frequency of monitoring is determined based on site-, building- and analyte-specific information, taking into account applicable environmental data and building operating conditions. Monitoring is an interim measure required to evaluate exposures related to soil vapor intrusion until contaminated environmental media are remediated.

Mitigate: We recommend mitigation to minimize current or potential exposures associated with soil vapor intrusion. The most common mitigation methods are sealing preferential pathways in conjunction with installing a sub-slab depressurization system and changing the pressurization of the building in conjunction with monitoring. The type, or combination of types, of mitigation is determined on a building-specific basis, taking into account building construction and operating conditions. Mitigation is considered a temporary measure implemented to address exposures related to soil vapor intrusion until contaminated environmental media are remediated.

These general recommendations are made with consideration being given to the additional notes on page 2.

ADDITIONAL NOTES FOR MATRIX B

This matrix summarizes actions recommended to address current and potential exposures related to soil vapor intrusion. To use the matrix appropriately as a tool in the decision-making process, the following should be noted:

- [1] The matrix is generic. As such, it may be appropriate to modify a recommended action to accommodate analyte-specific, building-specific conditions (e.g., dirt floor in basement, crawl spaces, thick slabs, current occupancy, etc.), and/or factors provided in Section 3.2 of the guidance (e.g., current land use, environmental conditions, etc.). For example, collection of additional samples may be recommended when the matrix indicates "no further action" for a particular building, but the results of adjacent buildings (especially sub-slab vapor results) indicate a need to take actions to address exposures related to soil vapor intrusion. Mitigation might be recommended when the results of multiple contaminants indicate monitoring is recommended. Proactive actions may be proposed at any time. For example, the party implementing the actions may decide to install sub-slab depressurization systems on buildings where the matrix indicates "no further action" or "monitoring." Such an action might be undertaken for reasons other than public health (e.g., seeking community acceptance, reducing costs, etc.). However, actions implemented *in lieu* of sampling will typically be expected to be captured in the final engineering report and site management plan, and might not rule out the need for post-implementation sampling (e.g., to document effectiveness or to support terminating the action).
- [2] Actions provided in the matrix are specific to addressing human exposures. Implementation of these actions does not preclude investigating possible sources of soil vapor contamination, nor does it preclude remediating contaminated soil vapor or the source of soil vapor contamination.
- [3] Appropriate care should be taken during all aspects of sample collection to ensure that high quality data are obtained. Since the data are being used in the decision-making process, the laboratory analyzing the environmental samples must have current Environmental Laboratory Approval Program (ELAP) certification for the appropriate analyte and environmental matrix combinations. Furthermore, samples should be analyzed by methods that can achieve a minimum reporting limit of 1 microgram per cubic meter for indoor and outdoor air samples. For sub-slab vapor samples and dirt floor soil vapor samples, a minimum reporting limit of 1 microgram per cubic meter is recommended.
- [4] Sub-slab vapor and indoor air samples are typically collected when the likelihood of soil vapor intrusion is considered to be the greatest (i.e., worst-case conditions). If samples are collected at other times (typically, samples collected outside of the heating season), then resampling during worst-case conditions might be appropriate to verify that actions taken to address exposures related to soil vapor intrusion are protective of human health.
- [5] When current exposures are attributed to sources other than soil vapor intrusion, the agencies should be given documentation (e.g., applicable environmental data, completed indoor air sampling questionnaire, digital photographs, etc.) to support a proposed action other than that provided in the matrix box and to support agency assessment and follow-up.
- [6] The party responsible for implementing the recommended actions will differ depending upon several factors, including but not limited to the following: the identified source of the volatile chemicals, the environmental remediation program, and analyte-specific, site-specific and building-specific factors.

Soil Vapor/Indoor Air Matrix C

May 2017

Analytes Assigned:

Vinyl Chloride

SUB-SLAB VAPOR CONCENTRATION of COMPOUND (mcg/m ³)	INDOOR AIR CONCENTRATION of COMPOUND (mcg/m ³)	
	< 0.2	0.2 and above
< 6	1. No further action	2. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
6 to < 60	3. MONITOR	4. MITIGATE
60 and above	5. MITIGATE	6. MITIGATE

No further action: No additional actions are recommended to address human exposures.

Identify Source(s) and Resample or Mitigate: We recommend that reasonable and practical actions be taken to identify the source(s) affecting the indoor air quality and that actions be implemented to reduce indoor air concentrations to within background ranges. For example, if an indoor or outdoor air source is identified, we recommend the appropriate party implement actions to reduce the levels. In the event that indoor or outdoor sources are not readily identified or confirmed, resampling (which might include additional sub-slab vapor and indoor air sampling locations) is recommended to demonstrate that SVI mitigation actions are not needed. Based on the information available, mitigation might also be recommended when soil vapor intrusion cannot be ruled out.

Monitor: We recommend monitoring (sampling on a recurring basis), including but not necessarily limited to sub-slab vapor, basement air and outdoor air sampling, to determine whether concentrations in the indoor air or sub-slab vapor have changed and/or to evaluate temporal influences. Monitoring might also be recommended to determine whether existing building conditions (e.g., positive pressure heating, ventilation and air-conditioning systems) are maintaining the desired mitigation endpoint and to determine whether changes are needed. The type and frequency of monitoring is determined based on site-, building- and analyte-specific information, taking into account applicable environmental data and building operating conditions. Monitoring is an interim measure required to evaluate exposures related to soil vapor intrusion until contaminated environmental media are remediated.

Mitigate: We recommend mitigation to minimize current or potential exposures associated with soil vapor intrusion. The most common mitigation methods are sealing preferential pathways in conjunction with installing a sub-slab depressurization system and changing the pressurization of the building in conjunction with monitoring. The type, or combination of types, of mitigation is determined on a building-specific basis, taking into account building construction and operating conditions. Mitigation is considered a temporary measure implemented to address exposures related to soil vapor intrusion until contaminated environmental media are remediated.

These general recommendations are made with consideration being given to the additional notes on page 2.

ADDITIONAL NOTES FOR MATRIX C

This matrix summarizes actions recommended to address current and potential exposures related to soil vapor intrusion. To use the matrix appropriately as a tool in the decision-making process, the following should be noted:

- [1] The matrix is generic. As such, it may be appropriate to modify a recommended action to accommodate analyte-specific, building-specific conditions (e.g., dirt floor in basement, crawl spaces, thick slabs, current occupancy, etc.), and/or factors provided in Section 3.2 of the guidance (e.g., current land use, environmental conditions, etc.). For example, collection of additional samples may be recommended when the matrix indicates "no further action" for a particular building, but the results of adjacent buildings (especially sub-slab vapor results) indicate a need to take actions to address exposures related to soil vapor intrusion. Mitigation might be recommended when the results of multiple contaminants indicate monitoring is recommended. Proactive actions may be proposed at any time. For example, the party implementing the actions may decide to install sub-slab depressurization systems on buildings where the matrix indicates "no further action" or "monitoring." Such an action might be undertaken for reasons other than public health (e.g., seeking community acceptance, reducing costs, etc.). However, actions implemented *in lieu* of sampling will typically be expected to be captured in the final engineering report and site management plan, and might not rule out the need for post-implementation sampling (e.g., to document effectiveness or to support terminating the action).
- [2] Actions provided in the matrix are specific to addressing human exposures. Implementation of these actions does not preclude investigating possible sources of soil vapor contamination, nor does it preclude remediating contaminated soil vapor or the source of soil vapor contamination.
- [3] Appropriate care should be taken during all aspects of sample collection to ensure that high quality data are obtained. Since the data are being used in the decision-making process, the laboratory analyzing the environmental samples must have current Environmental Laboratory Approval Program (ELAP) certification for the appropriate analyte and environmental matrix combinations. Furthermore, samples should be analyzed by methods that can achieve a minimum reporting limit of 0.20 microgram per cubic meter for indoor and outdoor air samples. For sub-slab vapor samples and dirt floor soil vapor samples, a minimum reporting limit of 1 microgram per cubic meter is recommended.
- [4] Sub-slab vapor and indoor air samples are typically collected when the likelihood of soil vapor intrusion is considered to be the greatest (i.e., worst-case conditions). If samples are collected at other times (typically, samples collected outside of the heating season), then resampling during worst-case conditions might be appropriate to verify that actions taken to address exposures related to soil vapor intrusion are protective of human health.
- [5] When current exposures are attributed to sources other than soil vapor intrusion, the agencies should be given documentation (e.g., applicable environmental data, completed indoor air sampling questionnaire, digital photographs, etc.) to support a proposed action other than that provided in the matrix box and to support agency assessment and follow-up.
- [6] The party responsible for implementing the recommended actions will differ depending upon several factors, including but not limited to the following: the identified source of the volatile chemicals, the environmental remediation program, and analyte-specific, site-specific and building-specific factors.

APPENDIX C

NYSDOH AIR GUIDELINES

Soil Vapor Intrusion Updates

Throughout this web page, reference is made to the **final guidance**. This refers to the [Guidance for Evaluating Soil Vapor Intrusion in New York State, October 2006](#).

The updates provide herein will be incorporated, as applicable, into the guidance document itself upon its periodic revision. If you have suggestions you would like us to consider during the next revision process, please share them with us at BEEI@health.ny.gov.

May 2017: Updates to Soil Vapor / Indoor Air Decision Matrices

Update

Based on reviews of toxicity data, risk assessments, and soil vapor intrusion data collected in New York State over the past decade, NYSDOH has assigned eight volatile chemicals to [three newly revised and renamed Soil Vapor / Indoor Air Decision Matrices](#). These assignments and SVI Decision Matrices supersede those provided in the [final guidance](#) and in subsequent updates to the guidance (please note: the June 2007 update is no longer posted on this web page). The assignments are summarized in the following table:

Soil Vapor/Indoor Air Matrix	Volatile Chemical
Matrix A	carbon tetrachloride 1,1-dichloroethene <i>cis</i> -1,2-dichloroethene trichloroethene
Matrix B	methylene chloride tetrachloroethene 1,1,1-trichloroethane
Matrix C	vinyl chloride

These modifications to the SVI Decision Matrices should not be interpreted as reflecting changes in the recommended approach for how, when, and where to collect soil vapor or soil vapor intrusion samples during the investigation of a contaminated site.

An overview of the Decision Matrices and factors NYSDOH considers when developing and assigning chemicals to them is provided in [Section 3.4 of the 2006 guidance](#).

August 2015: New Ambient Air Guideline for Trichloroethene

Announcement

NYSDOH has lowered their guideline for trichloroethene in ambient air from 5 micrograms per cubic meter (mcg/m³) to 2 mcg/m³ and developed a recommended immediate action level of 20 mcg/m³. The air guideline identified in [Table 3.1 of the final guidance](#) is no longer applicable.

September 2013: New Ambient Air Guideline for Tetrachloroethene

Announcement

NYSDOH has lowered their guideline for tetrachloroethene in ambient air from 100 micrograms per cubic meter (mcg/m³) to 30 mcg/m³ and their recommended immediate action level from 1000 mcg/m³ to 300 mcg/m³. The air guideline identified in [Table 3.1 of the final guidance](#) is no longer applicable.

May 2010: Update on Building Questionnaires and Product Inventories

The Indoor Air Quality Questionnaire and Building Inventory Form in [Appendix B of the final guidance \(as revised March 2007\)](#) is provided to aid with the evaluation of indoor air sampling results by collecting pertinent building and household product information that may influence soil vapor intrusion and indoor air quality.

Update

Based on comments received from field personnel and homeowners, as well as a review of indoor air evaluations at remedial sites, the NYSDOH and New York State Department of Environmental Conservation (NYSDEC) have created an abbreviated [Indoor Air Quality Questionnaire and Building Inventory Form](#).

The [abbreviated form](#) is intended to decrease the amount of time spent gathering and reporting the supplemental building information while still collecting the most relevant information necessary for conducting a soil vapor intrusion investigation. It is intended to supplement, rather than replace, the original form. When completed properly, the [abbreviated form](#) will capture the information needed to perform the data evaluation process in most cases. However, in the event that a complete evaluation cannot be conducted or additional information is needed, the NYSDEC and NYSDOH may recommend a return to the structure to collect the additional information and complete the [original form \(as revised March 2007\)](#).

April 2010: Clarification on Data Validation

Reference is often made to "third-party data validation" of soil vapor, sub-slab vapor, indoor air and outdoor air results. While the purpose is the same, validation of these soil vapor intrusion data does not mean the same as formal "third-party data validation," which is typically associated with litigation activities. A NYSDEC Analytical Service Protocol Category B format data deliverable for the sample analyses is still reviewed by a qualified individual not directly associated with the project or the analytical laboratory and the output of the review is in the form of a Data Usability Summary Report (DUSR) rather than a validation report containing detailed evaluation of every piece of information generated by the analysis. More information about DUSRs and the qualifications necessary to prepare a DUSR is available in the NYSDEC's [DER-10: Technical Guidance for Site Investigation and Remediation](#) (May 3, 2010).

January 2010: Update to Section 2.7.2

[Section 2.7.2\(d\) of the final guidance](#) contains the following recommendation: during the construction of sub-slab implants and probes, porous, inert backfill material (e.g., glass beads, washed #1 crushed stone, etc.) should be added to cover about 1 inch of the probe tip for permanent installations.

Update

NOTE: Updates to this final guidance are available at http://health.ny.gov/environmental/indoors/vapor_intrusion/update.htm

the scientific basis for the guidance value. The peer reviewers provided technical comments on the data and methods used to derive the guidelines, each of which were addressed by the NYSDOH. Upon completion of the reviews and responses to comments, the guidelines were finalized.

Air guideline values derived by the NYSDOH are summarized in Table 3.1. Additional information about these guidelines is provided in the following:

- Appendix D — overview of how the NYSDOH develops air guidelines; and
- Appendix H — copies of fact sheets that discuss the air guidelines for PCE and TCE.

The purpose of a guideline is to help guide decisions about the nature of efforts to reduce exposure to the chemical. Reasonable and practical actions should be taken to reduce exposures when indoor air levels are above background, even when they are below the guideline. The urgency to complete these actions increases with indoor air levels, particularly when air levels are above the guideline, and additional actions taken if the initial actions do not sufficiently reduce levels. In all cases, the specific corrective actions to be taken depend on a case-by-case evaluation of the situation. The goal of the recommended actions is to reduce chemical levels in indoor air to as close to background as practical.

Table 3.1 Air guideline values derived by the NYSDOH

Chemical		Air Guideline Value (mcg/m ³)	Reference
methylene chloride (also referred to as dichloromethane)	MeCl	60	1
polychlorinated biphenyls	PCBs	1*	2,3
tetrachlorodibenzo- <i>p</i> -dioxin equivalents	TCDD	0.00001*	3,4
tetrachloroethene	PCE	100	5
trichloroethene	TCE	5	6,7

*The guideline is specific to indoor air.

References:

- [1] NYSDOH. 1988. Letter from N. Kim to T. Allen, Division of Air, New York State Department of Environmental Conservation. November 28, 1988.
- [2] NYSDOH. 1985. Binghamton State Office Building (BSOB) Re-Entry Guidelines: PCBs. Document 1330P. Albany, NY: Bureau of Toxic Substance Assessment.
- [3] NYSDOH. 1988. Letter from D. Axelrod to J. Egan, New York State Office of General Services. March 8, 1988.
- [4] NYSDOH. 1984. Re-Entry Guidelines. Binghamton State Office Building. Document 0549P. Albany, NY: Bureau of Toxic Substance Assessment.
- [5] NYSDOH. 1997. Tetrachloroethene Ambient Air Criteria Document. Albany, NY: Bureau of Toxic Substance Assessment.
- [6] NYSDOH. 2003. Letter from N. Kim to D. Desnoyers, Division of Environmental Remediation, New York State Department of Environmental Conservation. October 31, 2003. [Provided in Appendix D.]
- [7] NYSDOH. 2006. Final Report: Trichloroethene (TCE) Air Criteria Document. Center for Environmental Health, Bureau of Toxic Substance Assessment. Troy, NY.