

INDOOR AIR SAMPLING REPORT

FEBRUARY 2022

April 25, 2022

Lakeside Village Apartments
65-67 Lake Avenue
Lancaster, New York
BCP Site #C915344

Prepared For:
65 Lake Avenue LLC

Prepared By:



A handwritten signature in black ink, appearing to read "Christine M. Curtis".

Christine M. Curtis, P.E.
Project Engineer

A handwritten signature in black ink, appearing to read "Steven L. Marchetti".

Steven L. Marchetti
Senior Project Manager

A handwritten signature in black ink, appearing to read "Sean R. Carter".

Sean R. Carter, P.E.
Principal Engineer

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1.0 INTRODUCTION

Matrix Environmental Technologies Inc. (METI) has prepared this Indoor Air Sampling Report on behalf of 65 Lake Avenue LLC for the Lakeside Village Apartments Site (“Site”). This report includes the results of the indoor air sampling event completed on February 1, 2022 at 65 Lake Avenue (Building A) and 67 Lake Avenue (Building 1) in Lancaster, New York. The Site was accepted into the Brownfield Cleanup Program (BCP) and designated as BCP Site #C915344 in 2019. Sub-slab depressurization (SSD) systems were subsequently installed and are currently operating in Building 1 and Building A.

2.0 BACKGROUND

2.1 Site Location and Description

The Site is currently utilized as a residential apartment complex in a moderately developed residential area in the Town of Lancaster, Erie County, New York. The Site includes two parcels totaling approximately 1.18 acres of land: SBL #115.27-1-22.21 addressed as 65 Lake Avenue and SBL #115.27-1-23.11 addressed as 67 Lake Avenue. On-Site structures include three (3) two-story townhomes constructed in 2006 (65 Lake Avenue) and a one-story apartment building constructed in 1903 (67 Lake Avenue). The Site is bordered by undeveloped land and apartment buildings to the south; residences to the north and west; and Lake Avenue to the east. Properties beyond those adjacent to the Site, including to the south, consist mostly of private residences. Cayuga Creek is located approximately 200 feet to the southwest. The location of the site is shown on **Figure 1**.

Historically, the eastern portion of the Site was utilized as a dry cleaner from at least 1949. The former dry cleaning building was located on the eastern portion of 65 Lake Avenue and the northern portion of 67 Lake Avenue. The building was reportedly destroyed by a fire in the late 1970s and was removed or demolished by at least 1995. According to members of the Young family, who owned both properties from at least 1882 through 2005, historical use of the properties has remained residential since at least 1900 with the exception of the dry cleaner. Buildings utilized for vehicle storage were present in the current location of Building A and a private residence was located in the current vicinity of Buildings B and C. The storage buildings and the residence were reportedly demolished at approximately the same time as the dry cleaning building.

2.2 Geology and Hydrogeology

Characterization of soil samples collected during the remedial investigation depict the subsurface environment as fill material (sand with gravel and silt) from ground surface to approximately 4 to 5.5 feet below grade underlain by lacustrine deposits (laminated silt and clay) from approximately 4 to 11.3 feet below grade and alluvium (silty sand with gravel) from approximately 11.3 to 20 feet below grade. According to the Geologic Map of New York, 1970 (Richard and Fisher), the bedrock underlying the Site is shale and/or limestone of the Skaneateles Formation (Hamilton Group) from the Upper Devonian Period (383 to 358 million years ago). Weathered and dry to moist, 2 to 3-inch lenses of limestone were identified in several soil borings ranging from 16 to 20 feet below grade. Auger and sample refusal was also documented in that depth range suggesting the surface of competent bedrock begins at approximately 20 feet below grade.

Average depth to groundwater at the Site is approximately 8 feet below grade. This is consistent with observations made during the Remedial Investigation indicating that the water table exists within the clay and silt lacustrine sediments. Groundwater elevation data show that the groundwater flow direction is generally to the west with components of flow to the west northwest and southwest. The gradient is moderate at 0.035. Between the Site and Cayuga Creek, the gradient is estimated to be steeper (e.g. 0.1 feet) due to the difference in topographic elevation (28 feet).

2.3 Previous Studies

Following the discovery of chlorinated VOCs in groundwater during an investigation completed in 2018, vapor intrusion studies were completed in February and April 2019 within the four (4) residential buildings. Vapor intrusion testing results identified chlorinated solvents, specifically tetrachloroethylene (PCE) and trichloroethene (TCE), within both sub-slab and indoor air samples in Buildings 1 and A. Based on guidance from the New York State Department of Health (NYSDOH), the concentrations of these solvents required mitigation in Building A on 65 Lake Avenue and Building 1 on 67 Lake Avenue. Mitigation was not required in Building B or Building C. For additional details, refer to the February 28, 2019 “Soil Vapor Intrusion Assessment Report” (METI) and the May 7, 2019 “Soil Vapor Intrusion Assessment Report” (METI).

SSD systems were installed to mitigate potential vapor migration into the basement areas of Building 1 and Building A by maintaining a negative pressure of at least 0.004 inches water column (WC) in the sub-slab as detailed in the February 16, 2022 “Sub-Slab Depressurization Systems Start-Up Report and Operations & Maintenance Plan” (METI). The design was developed in accordance with the applicable standards, criteria, and guidance contained in or referenced in NYSDOH’s “Guidance for Evaluating Soil Vapor Intrusion in the State of New York” dated October 2006 and its updates. The systems were activated on November 12, 2019.

Confirmation indoor air sampling was completed from January 15-16, 2020 in Building A and Building 1. Results indicated that the Table C1 Indoor Air Background Level (Upper Fence Value) for PCE ($2.5 \mu\text{g}/\text{m}^3$) was exceeded at a concentration of $16 \mu\text{g}/\text{m}^3$. The basement of Building 1 was subsequently encapsulated with a waterproof barrier using RadonSeal Plus Concrete Sealer. Building 1 was resampled from April 6-7, 2020 and all compounds identified in the NYSDOH soil vapor/indoor air decision matrices were not detected or below Indoor Air Background Levels in the Building 1 air sample.

3.0 SSD SYSTEMS DESCRIPTION

Installation of the SSD systems was completed by METI from October through November 2019. Seven (7) separate SSD systems were installed in the following basement areas:

- Building 1 West
- Building 1 Central
- Building 1 East
- Building A, Apartment 1
- Building A, Apartment 2
- Building A, Apartment 3

- Building A, Apartment 4

Locations of the basement treatment areas and associated system piping, extraction points and monitoring points are shown in **Figure 2**.

The SSD systems create negative pressure under the building floor slab relative to the indoor air pressure, thereby minimizing the potential for soil gas to migrate into the building. The systems use a fan to apply vacuum to vapor extraction points installed throughout the building floor slab. The systems were designed to create a minimum negative pressure of at least 0.004 inches WC in the sub-slab in each area. Vacuum influence is verified using permanent vapor monitoring points. The collected sub-slab vapor is discharged to the atmosphere.

4.0 SAMPLING METHODOLOGY

Air monitoring was completed from January 31 – February 1, 2022 in Building A and Building 1. Indoor air samples were collected from the basement area of each apartment in Building A and from the basement area of Building 1 as shown in **Figure 3**. In addition, one ambient outdoor air sample was collected from between Building 1 and Building A. The home heating systems and SSD systems were operational at the time of sampling.

Prior to sampling, a product inventory survey was completed in each basement area. Surveys are included in **Appendix A**. Samples were then collected simultaneously over a 24-hour period using six-liter Summa canisters equipped with calibrated flow regulators in accordance with NYSDOH “Guidance for Evaluating Soil Vapor Intrusion in the State of New York”. Indoor air samples were collected from a central location at a height of approximately 2-3 feet above the basement floor and the outdoor air sample was collected from a height of approximately 3-4 feet above ground surface. Samples were submitted to Centek Laboratories of Syracuse, New York for analysis of VOCs using EPA Method TO-15.

5.0 RESULTS

The indoor and background air sampling results were compared to the Table C1 Indoor and Outdoor Air Background Levels (upper fence values) included in the NYSDOH Soil Vapor Guidance. Background levels and results are summarized in **Table 1**. Results are also shown on **Figure 3**. The laboratory analytical report is included in **Appendix B**.

5.1 Indoor Air

PCE was detected in the samples collected from Apartment A-3, Apartment A-4, and Building 1 and slightly exceeded background levels in Building 1 at a concentration of $3.0 \mu\text{g}/\text{m}^3$. Using NYSDOH decision matrices and the sub-slab vapor concentration of $36 \mu\text{g}/\text{m}^3$ recorded in Building 1 in 2019, no further action is recommended based on this result. Prior to activation of the SSD systems, the PCE concentration in indoor air in Building 1 was $35 \mu\text{g}/\text{m}^3$.

Of the compounds subject to the NYSDOH decision matrices, three VOCs – TCE, methylene chloride, and carbon tetrachloride – were detected at one or more sampling locations at a

concentration lower than background levels. The remaining compounds (1,1,1-trichloroethane, cis-1,2-DCE, 1,1-DCE, and vinyl chloride) were not detected.

Minor exceedances of background levels were recorded for 1,2-dichloroethane and chloroform in Apartment A-1 and for chloroform in Apartment A-3. The result for 1,2-dichloroethane was flagged as estimated in the laboratory report. While the source of the detections is not definitively known, it is suspected that the chloroform concentrations may be related to the use of chlorinated water in the washing machines located in the basements of both apartments.

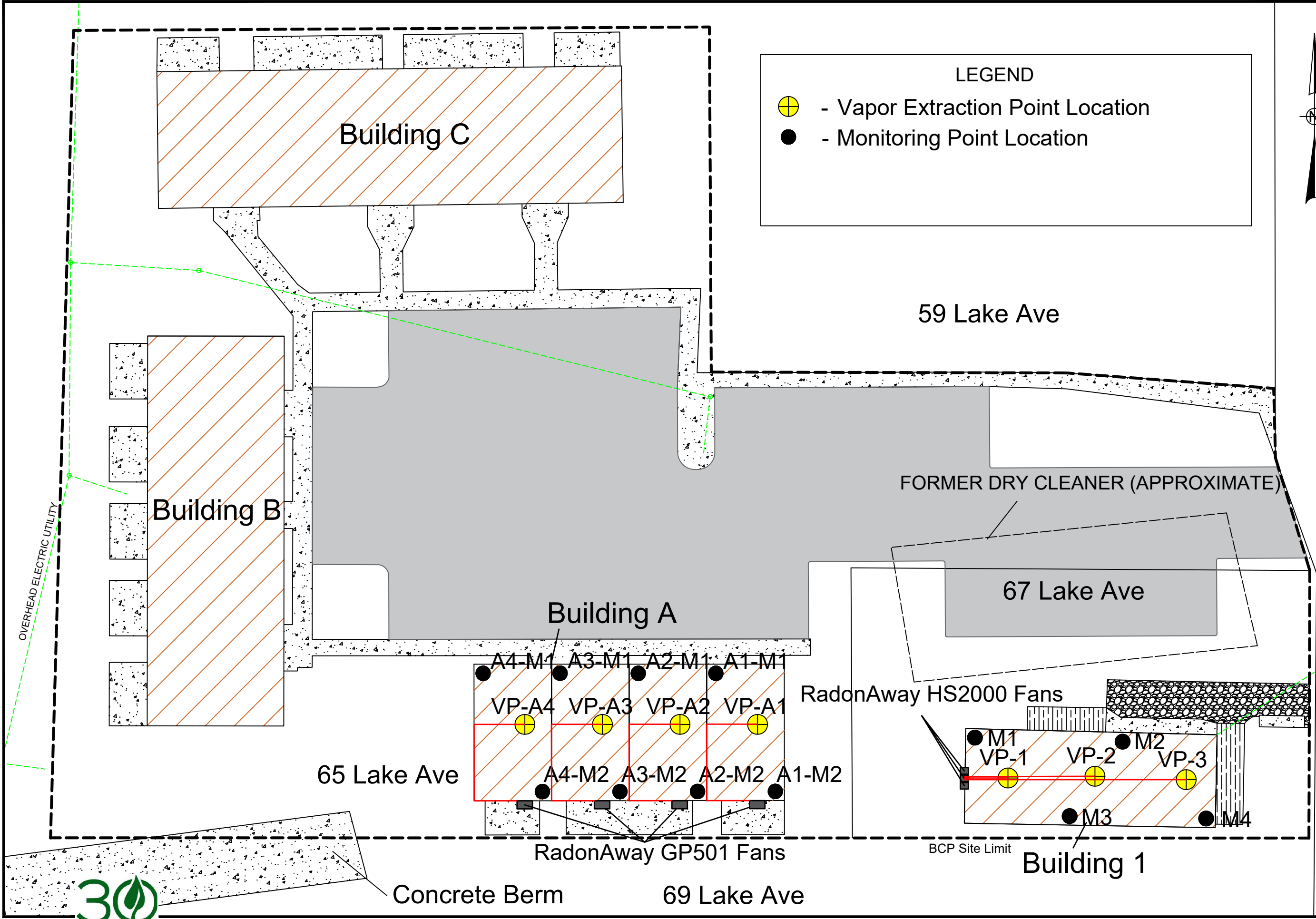
5.2 Outdoor Air

A total of 15 compounds were detected in the outdoor air samples at concentrations below background levels.

6.0 CONCLUSIONS AND RECOMMENDATIONS

Results of the February 2022 air sampling event indicate that implementation of SSD systems met the objective of lowering the concentrations of chlorinated solvents in indoor air in Building 1 and Building A at the Site. Where detected, concentrations of target VOCs remain below or near background levels established in guidance from NYSDOH. Continued systems operation and documentation of vacuum data as outlined in the Operations & Maintenance Plan is recommended.

FIGURES



LEGEND

- - Vapor Extraction Point Location
- - Monitoring Point Location

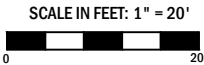


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REVISION	
BY	DATE
CMC	6/4/21



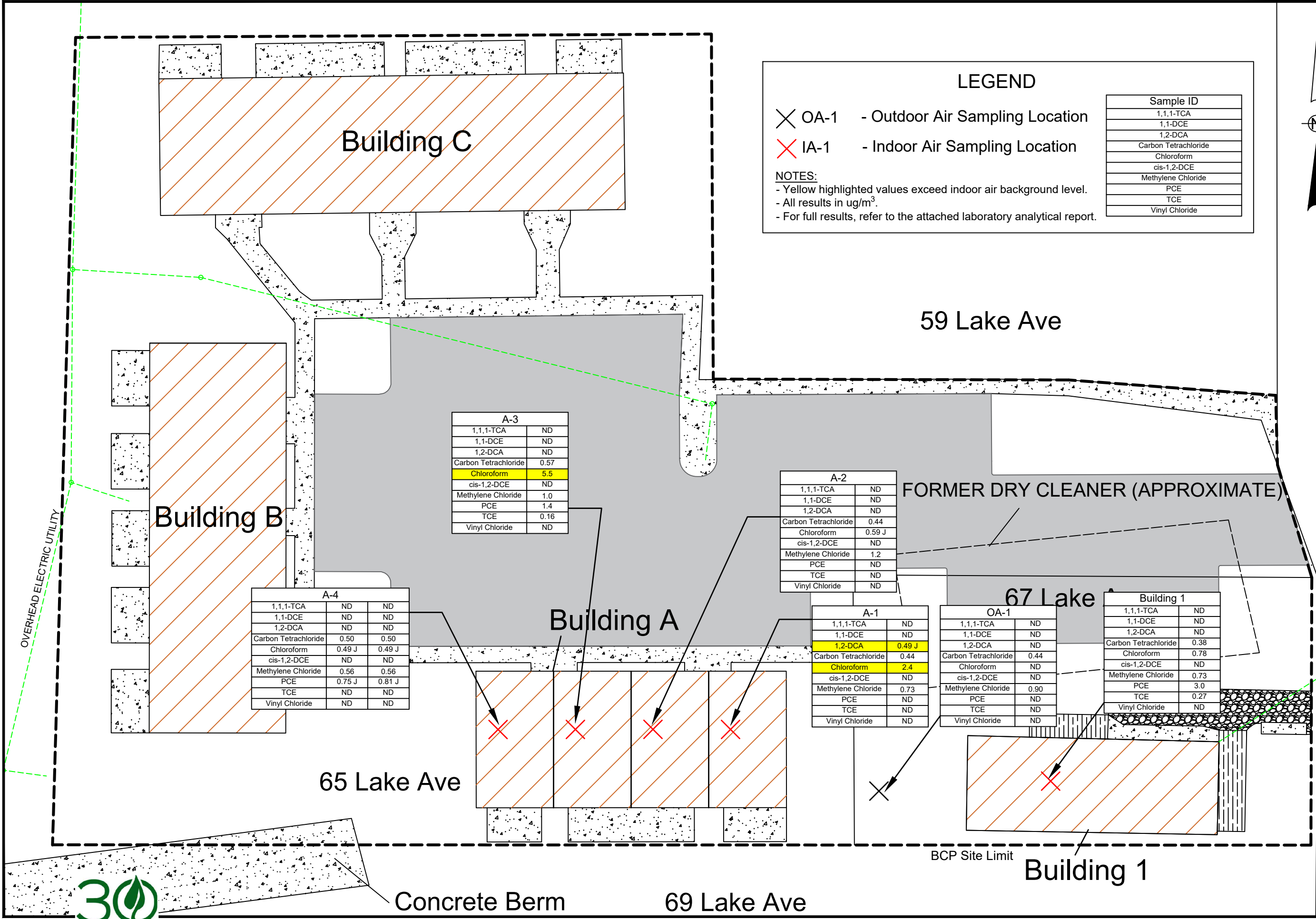
PROJECT NAME / LOCATION:
**Lakeside Village
Apartments
65-67 Lake Avenue
Lancaster, New York
BCP Site No. 915344**

TITLE:
**Site Plan
and
SSD Systems Layout and
Piping Diagram**

DATE: **NA**
PROJECT NO.: **18-046**
FIGURE: **2**



years dedicated to a
CLEANER ENVIRONMENT
1991-2021



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CMC

REVISION

BY	DATE
CMC	3/3/22

SCALE IN FEET: 1" = 20'



PROJECT NAME / LOCATION:

Lakeside Village
Apartments
65-67 Lake Avenue
Lancaster, New York

BCP Site No. C915344

TITLE:

Air
Monitoring
Results

DATE:

January 31, 2022

PROJECT NO.:

18-046

FIGURE:

3



30
years dedicated to a
CLEANER ENVIRONMENT
1991-2021

TABLE

Table 1
Soil Vapor Intrusion Testing Analytical Results
65-67 Lake Avenue, Lancaster, New York

January 31, 2022

PARAMETER	Table C1 Indoor Air Background Level (Upper Fence Value)	A-1	A-2	A-3	A-4	A-4 Duplicate	Building 1	Table C1 Outdoor Air Background Level (Upper Fence Value)	OA-1
1,1,1-Trichloroethane	2.5	ND<0.82	ND<0.82	ND<0.82	ND<0.82	ND<0.82	ND<0.82	0.6	ND<0.82
1,1-Dichloroethene	0.4	ND<0.16	ND<0.16	ND<0.16	ND<0.16	ND<0.16	ND<0.16	0.4	ND<0.16
1,2,4-Trimethylbenzene	9.8	0.93	0.64 J	ND<0.74	0.54 J	0.54 J	ND<0.74	0.5	ND<0.74
1,2-Dichloroethane	0.4	0.49 J	ND<0.61	ND<0.61	ND<0.61	ND<0.61	ND<0.61	0.4	ND<0.61
1,4-Dichlorobenzene	1.2	1.0	ND<0.90	ND<0.90	0.66 J	ND<0.90	ND<0.90	0.5	ND<0.90
2,2,4-trimethylpentane		0.84	0.47 J	0.56 J	0.65 J	0.61 J	0.61 J		0.56 J
Acetone	115	31	38	110	29	25	8.6	30	19
Benzene	13	3.7	2.5	1.2	1.3	1.2	1.7	4.8	0.93
Carbon disulfide		ND<0.47	ND<0.47	0.31 J	ND<0.47	ND<0.47	ND<0.47		ND<0.47
Carbon tetrachloride	1.3	0.44	0.44	0.57	0.50	0.50	0.38	1.2	0.44
Chloroform	1.2	2.4	0.59 J	5.5	0.49 J	0.49 J	0.78	0.5	ND<0.73
Chloromethane	4.2	3.9	ND<0.31	ND<0.31	0.99	1.0	1.4	4.3	0.87
cis-1,2-Dichloroethene	0.4	ND<0.16	ND<0.16	ND<0.16	ND<0.16	ND<0.16	ND<0.16	0.4	ND<0.16
Cyclohexane	6.3	ND<0.52	ND<0.52	ND<0.52	ND<0.52	ND<0.52	ND<0.52	0.9	0.55
Ethyl acetate		4.9	1.8	1.4	0.90	0.76	ND<0.54		ND<0.54
Ethylbenzene	6.4	1.1	0.69	0.43 J	0.56 J	0.52 J	0.65	1.0	ND<0.65
Freon 11		1.3	1.1	1.1	1.1	1.3	1.2		1.4
Freon 12		2.2	2.2	2.3	2.3	2.3	2.2		2.4
Heptane		1.7	2.0	1.1	1.1	0.98	0.86		0.49 J
Hexane		1.9	1.4	1.3	1.4	1.3	1.2		0.88
Isopropyl alcohol		ND<0.37	19	ND<0.37	7.4	6.4	3.7		1.7
m&p-Xylene	11	3.4	1.9	1.4	1.8	1.6	2.0	1.0	1.0 J
Methyl Ethyl Ketone	16	3.2	2.2	2.0	0.86 J	0.88	1.2	5.3	0.65 J
Methylene chloride	16	0.73	1.2	1.0	0.56	0.56 J	0.73	1.6	0.90
o-Xylene	7.1	1.0	0.65	0.52 J	0.56 J	0.56	0.61 J	1.2	ND<0.65
Styrene	1.4	0.81	0.60 J	ND<0.64	ND<0.64	ND<0.64	ND<0.64	0.5	ND<0.64
Tetrachloroethylene	2.5	ND<1.0	ND<1.0	1.4	0.75 J	0.81	3.0	0.7	ND<1.0
Toluene	57	7.5	6.1	3.1	4.0	3.5	5.4	5.1	2.4
Trichloroethene	0.5	ND<0.16	ND<0.16	0.16	ND<0.16	ND<0.16	0.27	0.4	ND<0.16
Vinyl chloride	0.4	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.10	0.4	ND<0.10

NOTES:

- Analytical testing for VOCs via EPA Method TO-15 by Centek Laboratories, LLC.
- Results present in µg/m³ (microgram per cubic meter).
- Indoor and outdoor air background levels as presented in Appendix C, Table C1: NYSDOH 2003: Study of volatile organic chemicals in air of fuel oil heated homes, of "Guidance for Evaluating Soil Vapor Intrusion in the State of New York" (NYSDOH, October 2006).
- ND = Not Detected
- Yellow highlighted values represent exceedance of Table C1 background level.
- Compounds detected in one or more samples and select VOCs are included in this table. For a list of all compounds, refer to the attached analytical report.

APPENDIX A

Building Questionnaire and Product Inventory Survey

Site No. : 18-046 / C915344 Site Name : Lakeside Village ApartmentsDate: 1/31/22 Time: 8:30 AMStructure Address : 65 Lake Avenue, Lancaster NYPreparer's Name & Affiliation : Steven Marchetti / METIResidential ? ☒ Yes ☐ No Owner Occupied ? ☒ Yes ☐ No Owner Interviewed ? ☐ Yes ☒ NoCommercial ? ☐ Yes ☒ No Industrial ? ☐ Yes ☒ No Mixed Uses ? ☐ Yes ☒ No

Identify all non-residential use(s) : _____

Owner Name : Mark Aquino Owner Phone : (716) 681 - 1450

Secondary Owner Phone : () -

Owner Address (if different) : _____

Occupant Name : _____ Occupant Phone : () -

Secondary Occupant Phone : () -

Number & Age of All Persons Residing at this Location : _____

Additional Owner/Occupant Information : _____

Describe Structure (style, number floors, size) : two-story apartment buildingApproximate Year Built : 2006 Is the building Insulated? ☒ Yes ☐ NoLowest level : ☐ Slab-on-grade ☒ Basement ☐ CrawlspaceDescribe Lowest Level (finishing, use, time spent in space) : bedroomFloor Type: ☒ Concrete Slab ☐ Dirt ☐ Mixed : carpetedFloor Condition : ☒ Good (few or no cracks) ☐ Average (some cracks) ☐ Poor (broken concrete or dirt)Sumps/Drains? ☒ Yes ☐ No Describe : sumpIdentify other floor penetrations & details : 2 monitoring points/1 vapor extraction point associated with SSD systemWall Construction : ☐ Concrete Block ☒ Poured Concrete ☐ Laid-Up StoneIdentify any wall penetrations : SSD system process piping on south wallIdentify water, moisture, or seepage: location & severity (sump, cracks, stains, etc) : noneHeating Fuel : ☐ Oil ☒ Gas ☐ Wood ☐ Electric ☐ Other : _____Heating System : ☒ Forced Air ☐ Hot Water ☐ Other : _____Hot Water System : ☐ Combustion ☒ Electric ☐ Boilermate ☐ Other: _____Clothes Dryer : ☐ Electric ☒ Gas Where is dryer vented to? outside south wallIf combustion occurs, describe where air is drawn from (cold air return, basement, external air, etc.) : external air

Fans & Vents (identify where fans/vents pull air from and where they vent/exhaust to) : _____

SSD fans to exhaust stack

Describe factors that may affect indoor air quality (chemical use/storage, unvented heaters, smoking, workshop):

Attached garage ? ☐ Yes ☒ No Air fresheners ? ☐ Yes ☐ No

New carpet or furniture ? ☐ Yes ☒ No What/Where ? _____

Recent **painting** or **staining** ? ☐ Yes ☒ No Where ? : _____

Any **solvent** or **chemical-like** odors ? ☐ Yes ☒ No Describe : _____

Last time **Dry Cleaned** fabrics brought in ? _____ What / Where ? _____

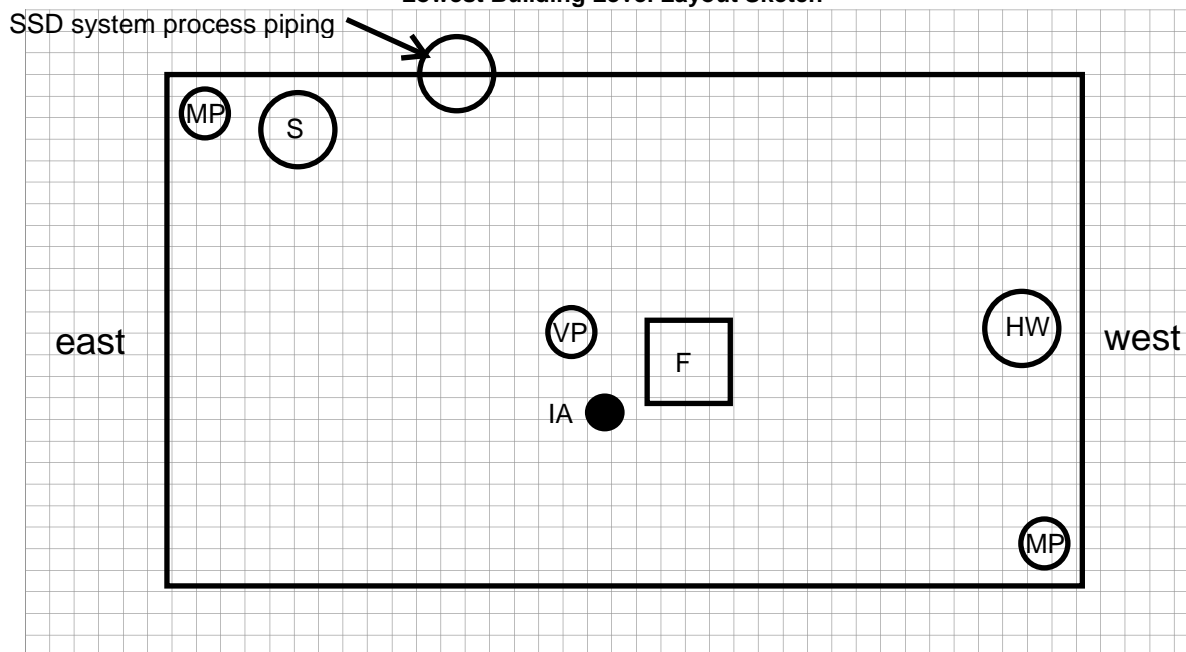
Do any building occupants use solvents at work ? ☐ Yes ☐ No Describe : _____

Any testing for Radon ? ☐ Yes ☒ No Results : _____

Radon System/Soil Vapor Intrusion Mitigation System present ? ☒ Yes ☐ No If yes, describe below

1 vapor extraction point/RadonAway GP501 fan

Lowest Building Level Layout Sketch



- Identify and label the locations of all sub-slab, indoor air, and outdoor air samples on the layout sketch.
- Measure the distance of all sample locations from identifiable features, and include on the layout sketch.
- Identify room use (bedroom, living room, den, kitchen, etc.) on the layout sketch.

- Identify the locations of the following features on the layout sketch, using the appropriate symbols:

B or F	Boiler or Furnace	o	Other floor or wall penetrations (label appropriately)
HW	Hot Water Heater	xxxxxxx	Perimeter Drains (draw inside or outside outer walls as appropriate)
FP	Fireplaces	#####	Areas of broken-up concrete
WS	Wood Stoves	● SS-1	Location & label of sub-slab vapor samples
W/D	Washer / Dryer	● IA-1	Location & label of indoor air samples
S	Sumps	● OA-1	Location & label of outdoor air samples
@	Floor Drains	● PFET-1	Location and label of any pressure field test holes.

Structure Sampling - Product Inventory

Homeowner Name & Address: 65 Lake Ave, Lancaster, NY 14086

Date: 1/31/22

Samplers & Company: Steve Marchetti, METI

Structure ID: A1

Site Number & Name: Lakeside Village Apts/C915344

Phone Number: _____

Make & Model of PID: MiniRAE 3000/10.7 eV lamp

Date of PID Calibration: _____

Identify any Changes from Original Building Questionnaire : _____

[illegible]

Site No. : 18-046 / C915344 Site Name : Lakeside Village ApartmentsDate: 2/1/22 Time: 8:30 AMStructure Address : 65 Lake Avenue, Lancaster NYPreparer's Name & Affiliation : Steven Marchetti / METIResidential ? ☒ Yes ☐ No Owner Occupied ? ☒ Yes ☐ No Owner Interviewed ? ☐ Yes ☒ NoCommercial ? ☐ Yes ☒ No Industrial ? ☐ Yes ☒ No Mixed Uses ? ☐ Yes ☒ No

Identify all non-residential use(s) : _____

Owner Name : Mark Aquino Owner Phone : (716) 681 - 1450Secondary Owner Phone : () -

Owner Address (if different) : _____

Occupant Name : _____ Occupant Phone : () - Secondary Occupant Phone : () -

Number & Age of All Persons Residing at this Location : _____

Additional Owner/Occupant Information : _____

Describe Structure (style, number floors, size) : two-story apartment buildingApproximate Year Built : 2006 Is the building Insulated? ☒ Yes ☐ NoLowest level : ☐ Slab-on-grade ☒ Basement ☐ CrawlspaceDescribe Lowest Level (finishing, use, time spent in space) : unfinished basement utilized for storage, washer/dryer, spare bedroomFloor Type: ☒ Concrete Slab ☐ Dirt ☐ Mixed : _____Floor Condition : ☒ Good (few or no cracks) ☐ Average (some cracks) ☐ Poor (broken concrete or dirt)Sumps/Drains? ☒ Yes ☐ No Describe : sumpIdentify other floor penetrations & details : 2 monitoring points/1 vapor extraction point associated with SSD systemWall Construction : ☐ Concrete Block ☒ Poured Concrete ☐ Laid-Up StoneIdentify any wall penetrations : sewer penetration in northwest corner; SSD system process piping on south wallIdentify water, moisture, or seepage: location & severity (sump, cracks, stains, etc) : noneHeating Fuel : ☐ Oil ☒ Gas ☐ Wood ☐ Electric ☐ Other : _____Heating System : ☒ Forced Air ☐ Hot Water ☐ Other : _____Hot Water System : ☐ Combustion ☒ Electric ☐ Boilermate ☐ Other: _____Clothes Dryer : ☐ Electric ☒ Gas Where is dryer vented to? outside south wallIf combustion occurs, describe where air is drawn from (cold air return, basement, external air, etc.) : external airFans & Vents (identify where fans/vents pull air from and where they vent/exhaust to) : SSD fans to exhaust stack

Describe factors that may affect indoor air quality (chemical use/storage, unvented heaters, smoking, workshop):

Attached garage ? ☐ Yes ☒ No Air fresheners ? ☐ Yes ☐ No

New carpet or furniture ? ☐ Yes ☒ No What/Where ? _____

Recent **painting** or **staining** ? ☐ Yes ☒ No Where ? : _____

Any **solvent** or **chemical-like** odors ? ☐ Yes ☒ No Describe : _____

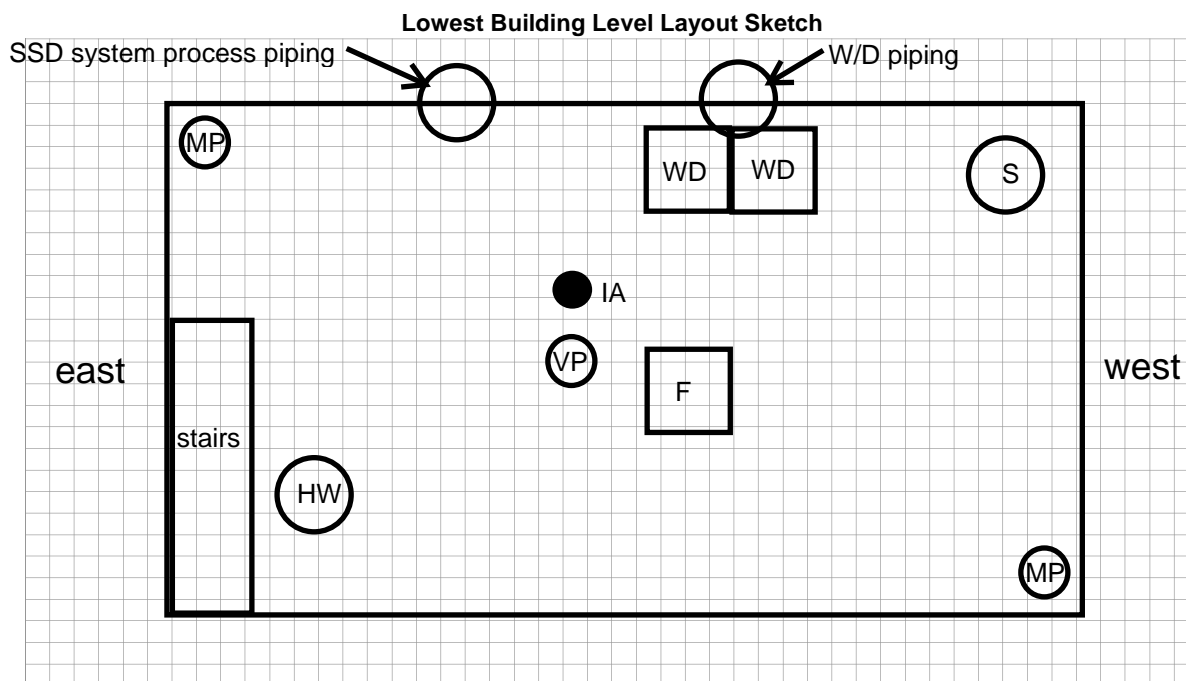
Last time **Dry Cleaned** fabrics brought in ? _____ What / Where ? _____

Do any building occupants use solvents at work ? ☐ Yes ☐ No Describe : _____

Any testing for Radon ? ☐ Yes ☒ No Results : _____

Radon System/Soil Vapor Intrusion Mitigation System present ? ☒ Yes ☐ No If yes, describe below

1 vapor extraction point/RadonAway GP501 fan



- Identify and label the locations of all sub-slab, indoor air, and outdoor air samples on the layout sketch.
- Measure the distance of all sample locations from identifiable features, and include on the layout sketch.
- Identify room use (bedroom, living room, den, kitchen, etc.) on the layout sketch.
- Identify the locations of the following features on the layout sketch, using the appropriate symbols:

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W/D	Washer / Dryer	● IA-1	Location & label of indoor air samples
S	Sumps	● OA-1	Location & label of outdoor air samples
@	Floor Drains	● PFET-1	Location and label of any pressure field test holes.

Structure Sampling - Product Inventory

Homeowner Name & Address: 65 Lake Ave, Lancaster, NY 14086

Date: 2/1/22

Samplers & Company: Steve Marchetti, METI

Structure ID: A2

Site Number & Name: Lakeside Village Apts/C915344

Phone Number: _____

Make & Model of PID: MiniRAE 3000/10.7 eV lamp

Date of PID Calibration: _____

Identify any Changes from Original Building Questionnaire : _____

[illegible]

Site No. : 18-046 / C915344 Site Name : Lakeside Village Apartments
Date: 1/31/22 Time: 9:00 AM
Structure Address : 65 Lake Avenue, Lancaster NY
Preparer's Name & Affiliation : Steven Marchetti / METI

Residential ? ☒ Yes ☐ No Owner Occupied ? ☒ Yes ☐ No Owner Interviewed ? ☐ Yes ☒ No

Commercial ? ☐ Yes ☒ No Industrial ? ☐ Yes ☒ No Mixed Uses ? ☐ Yes ☒ No

Identify all non-residential use(s) : _____

Owner Name : Mark Aquino Owner Phone : (716) 681 - 1450

Secondary Owner Phone : () -

Owner Address (if different) : _____

Occupant Name : _____ Occupant Phone : () -

Secondary Occupant Phone : () -

Number & Age of All Persons Residing at this Location : _____

Additional Owner/Occupant Information : _____

Describe Structure (style, number floors, size) : two-story apartment building

Approximate Year Built : 2006 Is the building Insulated? ☒ Yes ☐ No

Lowest level : ☐ Slab-on-grade ☒ Basement ☐ Crawlspace

Describe Lowest Level (finishing, use, time spent in space) : storage, bedroom

Floor Type: ☒ Concrete Slab ☐ Dirt ☐ Mixed : _____

Floor Condition : ☒ Good (few or no cracks) ☐ Average (some cracks) ☐ Poor (broken concrete or dirt)

Sumps/Drains? ☒ Yes ☐ No Describe : sump

Identify other floor penetrations & details : 2 monitoring points/1 vapor extraction point associated with SSD system

Wall Construction : ☐ Concrete Block ☒ Poured Concrete ☐ Laid-Up Stone

Identify any wall penetrations : sewer penetration in northwest corner; SSD system process piping on south wall

Identify water, moisture, or seepage: location & severity (sump, cracks, stains, etc) : none

Heating Fuel : ☐ Oil ☒ Gas ☐ Wood ☐ Electric ☐ Other : _____

Heating System : ☒ Forced Air ☐ Hot Water ☐ Other : _____

Hot Water System : ☐ Combustion ☒ Electric ☐ Boilermate ☐ Other: _____

Clothes Dryer : ☐ Electric ☒ Gas Where is dryer vented to? outside south wall

If combustion occurs, describe where air is drawn from (cold air return, basement, external air, etc.) : external air

Fans & Vents (identify where fans/vents pull air from and where they vent/exhaust to) : SSD fans to exhaust stack

Describe factors that may affect indoor air quality (chemical use/storage, unvented heaters, smoking, workshop):

Attached garage ? ☐ Yes ☒ No Air fresheners ? ☐ Yes ☐ No

New carpet or furniture ? ☐ Yes ☒ No What/Where ? _____

Recent **painting** or **staining** ? ☐ Yes ☒ No Where ? : _____

Any **solvent** or **chemical-like** odors ? ☐ Yes ☒ No Describe : _____

Last time **Dry Cleaned** fabrics brought in ? _____ What / Where ? _____

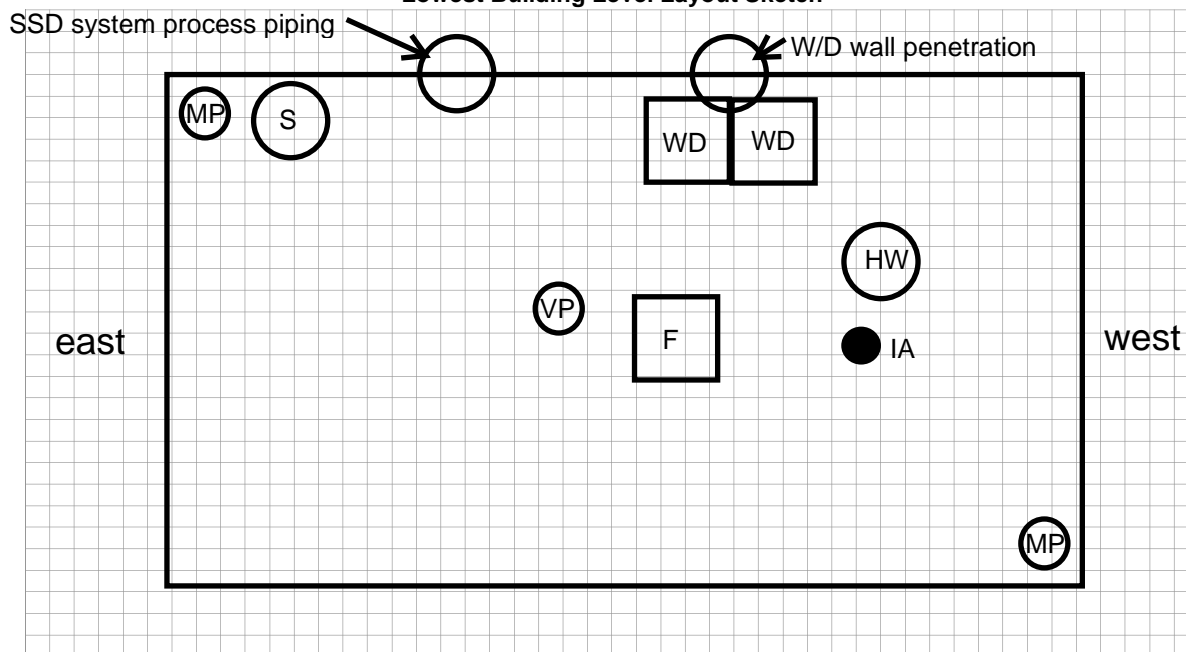
Do any building occupants use solvents at work ? ☐ Yes ☐ No Describe : _____

Any testing for Radon ? ☐ Yes ☒ No Results : _____

Radon System/Soil Vapor Intrusion Mitigation System present ? ☒ Yes ☐ No If yes, describe below

1 vapor extraction point/RadonAway GP501 fan

Lowest Building Level Layout Sketch



- Identify and label the locations of all sub-slab, indoor air, and outdoor air samples on the layout sketch.
- Measure the distance of all sample locations from identifiable features, and include on the layout sketch.
- Identify room use (bedroom, living room, den, kitchen, etc.) on the layout sketch.

- Identify the locations of the following features on the layout sketch, using the appropriate symbols:

B or F	Boiler or Furnace	o	Other floor or wall penetrations (label appropriately)
HW	Hot Water Heater	xxxxxxx	Perimeter Drains (draw inside or outside outer walls as appropriate)
FP	Fireplaces	#####	Areas of broken-up concrete
WS	Wood Stoves	● SS-1	Location & label of sub-slab vapor samples
W/D	Washer / Dryer	● IA-1	Location & label of indoor air samples
S	Sumps	● OA-1	Location & label of outdoor air samples
@	Floor Drains	● PFET-1	Location and label of any pressure field test holes.

Structure Sampling - Product Inventory

Homeowner Name & Address: 65 Lake Ave, Lancaster, NY 14086

Date: 1/31/22

Samplers & Company: Steve Marchetti, METI

Structure ID: A3

Site Number & Name: Lakeside Village Apts/C915344

Phone Number: _____

Make & Model of PID: MiniRAE 3000/10.7 eV lamp

Date of PID Calibration: _____

Identify any Changes from Original Building Questionnaire : _____

[illegible]

Site No. : 18-046 / C915344 Site Name : Lakeside Village ApartmentsDate: 1/31/22 Time: 9:20 AMStructure Address : 65 Lake Avenue, Lancaster NYPreparer's Name & Affiliation : Steven Marchetti / METIResidential ? ☒ Yes ☐ No Owner Occupied ? ☒ Yes ☐ No Owner Interviewed ? ☐ Yes ☒ NoCommercial ? ☐ Yes ☒ No Industrial ? ☐ Yes ☒ No Mixed Uses ? ☐ Yes ☒ No

Identify all non-residential use(s) : _____

Owner Name : Mark Aquino Owner Phone : (716) 681 - 1450Secondary Owner Phone : () -

Owner Address (if different) : _____

Occupant Name : _____ Occupant Phone : () -Secondary Occupant Phone : () -

Number & Age of All Persons Residing at this Location : _____

Additional Owner/Occupant Information : _____

Describe Structure (style, number floors, size) : two-story apartment buildingApproximate Year Built : 2006 Is the building Insulated? ☒ Yes ☐ NoLowest level : ☐ Slab-on-grade ☒ Basement ☐ CrawlspaceDescribe Lowest Level (finishing, use, time spent in space) : unfinished basement utilized for storage, washer/dryerFloor Type: ☒ Concrete Slab ☐ Dirt ☐ Mixed : _____Floor Condition : ☒ Good (few or no cracks) ☐ Average (some cracks) ☐ Poor (broken concrete or dirt)Sumps/Drains? ☒ Yes ☐ No Describe : sumpIdentify other floor penetrations & details : 2 monitoring points/1 vapor extraction point associated with SSD systemWall Construction : ☐ Concrete Block ☒ Poured Concrete ☐ Laid-Up Stone

Identify any wall penetrations : _____

Identify water, moisture, or seepage: location & severity (sump, cracks, stains, etc) : noneHeating Fuel : ☐ Oil ☒ Gas ☐ Wood ☐ Electric ☐ Other : _____Heating System : ☒ Forced Air ☐ Hot Water ☐ Other : _____Hot Water System : ☐ Combustion ☒ Electric ☐ Boilermate ☐ Other: _____Clothes Dryer : ☐ Electric ☒ Gas Where is dryer vented to? outside south wallIf combustion occurs, describe where air is drawn from (cold air return, basement, external air, etc.) : external airFans & Vents (identify where fans/vents pull air from and where they vent/exhaust to) : SSD fans to exhaust stack

Describe factors that may affect indoor air quality (chemical use/storage, unvented heaters, smoking, workshop):

Attached garage ? ☐ Yes ☒ No Air fresheners ? ☐ Yes ☐ No

New carpet or furniture ? ☐ Yes ☒ No What/Where ? _____

Recent **painting** or **staining** ? ☐ Yes ☒ No Where ? : _____

Any **solvent** or **chemical-like** odors ? ☐ Yes ☒ No Describe : _____

Last time **Dry Cleaned** fabrics brought in ? _____ What / Where ? _____

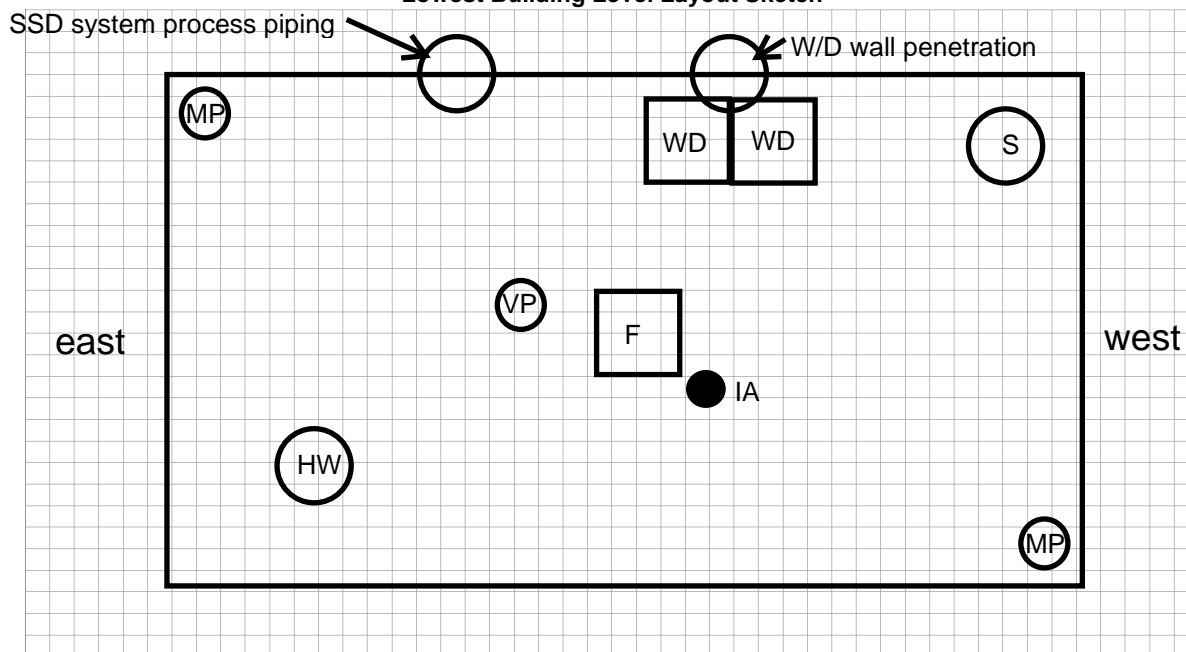
Do any building occupants use solvents at work ? ☐ Yes ☐ No Describe : _____

Any testing for Radon ? ☐ Yes ☒ No Results : _____

Radon System/Soil Vapor Intrusion Mitigation System present ? ☒ Yes ☐ No If yes, describe below

1 vapor extraction point/RadonAway GP501 fan

Lowest Building Level Layout Sketch



- Identify and label the locations of all sub-slab, indoor air, and outdoor air samples on the layout sketch.
- Measure the distance of all sample locations from identifiable features, and include on the layout sketch.
- Identify room use (bedroom, living room, den, kitchen, etc.) on the layout sketch.

- Identify the locations of the following features on the layout sketch, using the appropriate symbols:

B or F	Boiler or Furnace	o	Other floor or wall penetrations (label appropriately)
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FP	Fireplaces	#####	Areas of broken-up concrete
WS	Wood Stoves	● SS-1	Location & label of sub-slab vapor samples
W/D	Washer / Dryer	● IA-1	Location & label of indoor air samples
S	Sumps	● OA-1	Location & label of outdoor air samples
@	Floor Drains	● PFET-1	Location and label of any pressure field test holes.

Page 1 of 1

Date: 1/31/22

Structure ID: A4

Phone Number:

Date of PID Calibration:

[illegible]

Site No. : 18-046 / C915344 Site Name : Lakeside Village ApartmentsDate: 1/31/22 Time: 8:00 AMStructure Address : 67 Lake Avenue, Lancaster NYPreparer's Name & Affiliation : Steven Marchetti / METIResidential ? ☒ Yes ☐ No Owner Occupied ? ☒ Yes ☐ No Owner Interviewed ? ☐ Yes ☒ NoCommercial ? ☐ Yes ☒ No Industrial ? ☐ Yes ☒ No Mixed Uses ? ☐ Yes ☒ No

Identify all non-residential use(s) : _____

Owner Name : Mark Aquino Owner Phone : (716) 681 - 1450Secondary Owner Phone : () -

Owner Address (if different) : _____

Occupant Name : _____ Occupant Phone : () - Secondary Occupant Phone : () -

Number & Age of All Persons Residing at this Location : _____

Additional Owner/Occupant Information : _____

Describe Structure (style, number floors, size) : two-story apartment building; 4 apartments attached to one common basementApproximate Year Built : 1903 Is the building Insulated? ☐ Yes ☐ NoLowest level : ☐ Slab-on-grade ☒ Basement ☐ CrawlspaceDescribe Lowest Level (finishing, use, time spent in space) : unfinished basement utilized for storage, washer/dryerFloor Type: ☒ Concrete Slab ☐ Dirt ☐ Mixed : _____Floor Condition : ☐ Good (few or no cracks) ☒ Average (some cracks) ☐ Poor (broken concrete or dirt)Sumps/Drains? ☐ Yes ☒ No Describe : _____Identify other floor penetrations & details : 3 vapor extraction points, 4 monitoring points associated with SSD systemsWall Construction : ☐ Concrete Block ☒ Poured Concrete ☐ Laid-Up StoneIdentify any wall penetrations : dryer vents on south wall; SSD system process piping on west wallIdentify water, moisture, or seepage: location & severity (sump, cracks, stains, etc) : some moisture along edges of wallHeating Fuel : ☐ Oil ☒ Gas ☐ Wood ☐ Electric ☐ Other : _____Heating System : ☒ Forced Air ☐ Hot Water ☐ Other : _____Hot Water System : ☐ Combustion ☒ Electric ☐ Boilermate ☐ Other: _____Clothes Dryer : ☐ Electric ☒ Gas Where is dryer vented to? outdoorsIf combustion occurs, describe where air is drawn from (cold air return, basement, external air, etc.) : cold air returnFans & Vents (identify where fans/vents pull air from and where they vent/exhaust to) : furnace to chimney; dryers to outside south wall; SSD fans to exhaust stack

Describe factors that may affect indoor air quality (chemical use/storage, unvented heaters, smoking, workshop):

Attached garage ? ☐ Yes ☒ No Air fresheners ? ☐ Yes ☐ No

New carpet or furniture ? ☐ Yes ☒ No What/Where ? _____

Recent **painting** or **staining** ? ☐ Yes ☒ No Where ? : _____

Any **solvent** or **chemical-like** odors ? ☐ Yes ☒ No Describe : _____

Last time **Dry Cleaned** fabrics brought in ? _____ What / Where ? _____

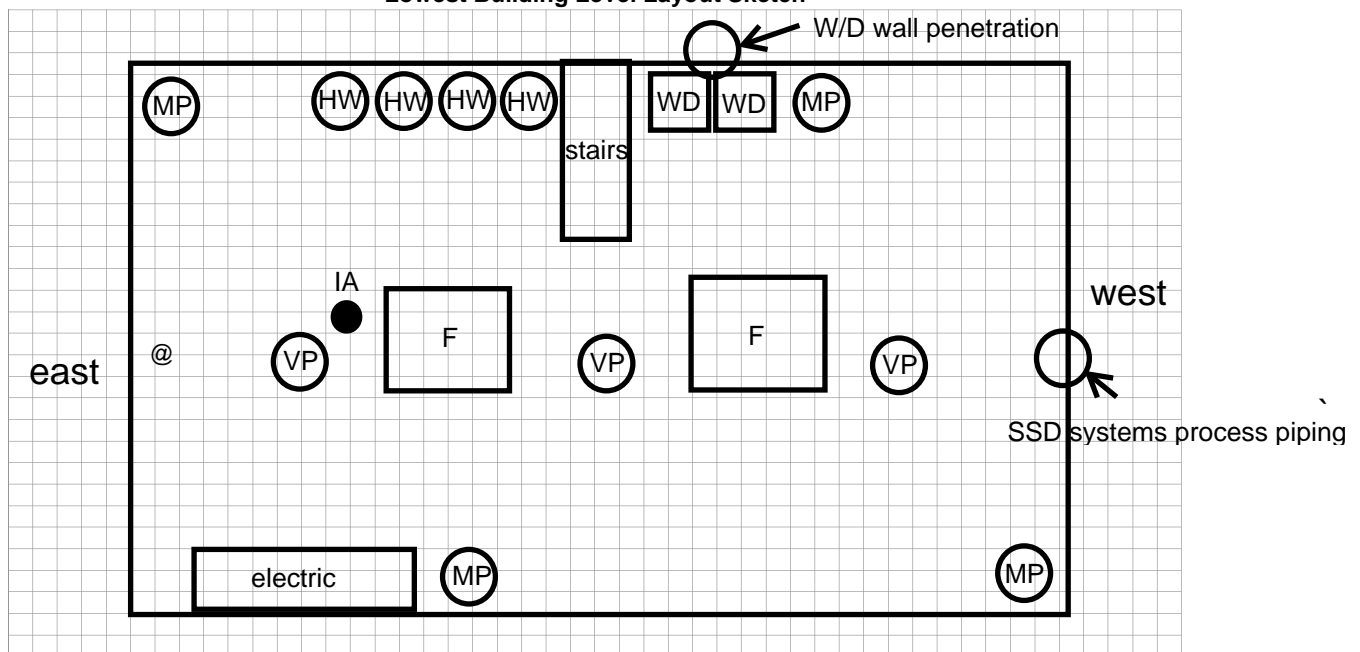
Do any building occupants use solvents at work ? ☐ Yes ☐ No Describe : _____

Any testing for Radon ? ☐ Yes ☒ No Results : _____

Radon System/Soil Vapor Intrusion Mitigation System present ? ☒ Yes ☐ No If yes, describe below

3 vapor extraction points/3 RadonAway HS2000 fans

Lowest Building Level Layout Sketch



- Identify and label the locations of all sub-slab, indoor air, and outdoor air samples on the layout sketch.
- Measure the distance of all sample locations from identifiable features, and include on the layout sketch.
- Identify room use (bedroom, living room, den, kitchen, etc.) on the layout sketch.
- Identify the locations of the following features on the layout sketch, using the appropriate symbols:

B or F	Boiler or Furnace	o	Other floor or wall penetrations (label appropriately)
HW	Hot Water Heater	xxxxxxx	Perimeter Drains (draw inside or outside outer walls as appropriate)
FP	Fireplaces	#####	Areas of broken-up concrete
WS	Wood Stoves	● SS-1	Location & label of sub-slab vapor samples
W/D	Washer / Dryer	● IA-1	Location & label of indoor air samples
S	Sumps	● OA-1	Location & label of outdoor air samples
@	Floor Drains	● PFET-1	Location and label of any pressure field test holes.

APPENDIX B

Laboratory Analytical Reports



Centek Laboratories TO-15 Package Review Checklist

Client: Matrix Environmental **Project:** Aquino 65-67 Lake SDG: C2202013

		<u>YES</u>	<u>NO</u>	<u>NA</u>
Analytical Results	Present and Complete	<u>/</u>	___	___
TIC's Present	Present and Complete	<u>/</u>	___	___
	Holdin Times Met	<u>/</u>	___	___

Comments:

Chain of Custody	Present and Complete	<u>/</u>	___	___
Surrogate	Present and Complete	<u>/</u>	___	___
	Recoveries within Limits	<u>/</u>	___	___
	Sample(s) reanalyzed	___	___	<u>/</u>
Internal Standards	Present and Complete	<u>/</u>	___	___
Recovery	Recoveries within Limits	<u>/</u>	___	___
	Sample(s) reanalyzed	___	___	<u>/</u>

Comments:

Lab Control Sample (LCS)	Present and Complete	<u>/</u>	___	___
	Recoveries within Limits	<u>/</u>	___	___
Lab Control Sample Dupe (LCSD)	Present and Complete	<u>/</u>	___	___
	Recoveries within Limits	<u>/</u>	___	___
MS/MSD	Present and Complete	___	___	<u>/</u>
	Recoveries within Limits	___	___	<u>/</u>

Comments:

* NO MS/MSD

Sample Raw Data	Present and Complete	<u>/</u>	___	___
	Spectra present	<u>/</u>	___	___

Comments:

Centek Laboratories TO-15 Package Review Checklist
Client: Matrix Environmental **Project:** Aquino 65-67 Lake SDG: C2202013

		YES	NO	NA
<u>Standards Data</u>				
Initial Calibration	Present and Complete	/	—	—
	Calibration meets criteria	/	—	—
Continuing Calibration	Present and Complete	/	—	—
	Calibration meets criteria	/	—	—
Standards Raw Data	Present and Complete	—	—	/

Comments:
Raw Quality Control Data

Tune Criteria Report	Present and Complete	/	—	—
Method Blank Data	MB Results <PQL	/	—	—
	Associated results flagged "B"	—	—	/
LCS Sample Data	Present and Complete	/	—	—
LCSD Sample Data	Present and Complete	/	—	—
MS/MSD Sample Data	Present and Complete	—	—	/

Comments:
Logbooks

Injection Log	/	—	—
Standards Log	/	—	—
Can Cleaning Log	/	—	—
Calculation Sheet	/	—	—
IDL's	/	—	—
Canister Order Form	/	—	—
Sample Tracking Form	/	—	—

Additional Comments:
Section Supervisor:
Will Volk
Date:

2/25/2022

QC Supervisor:
Date:



CEN TEK LABORATORIES, LLC

143 Midler Park Drive * Syracuse, NY 13206

Phone (315) 431-9730 * Emergency 24/7 (315) 416-2752

NYSDOH ELAP

Certificate No. 11830

Analytical Report

Christine Curtis
Matrix Environmental Technologies, Inc
3730 California Rd.
Orchard Park, NY 14127

Friday, February 04, 2022
Order No.: C2202013

TEL: (716) 662-0745

FAX

RE: Aquino 65-67 Lake Ave

Dear Christine Curtis:

Centek Laboratories, LLC received 7 sample(s) on 2/3/2022 for the analyses presented in the following report.

I certify that this data package is in compliance with the terms and conditions of the Contract, both technically and for completeness. Release of the data contained in this hardcopy data package and/or in the computer readable data submitted has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objective except as indicated in the case narrative. All samples were received and analyzed within the EPA recommended holding times. Test results are not Method Blank (MB) corrected for contamination.

Centek/SanAir Laboratories is distinctively qualified to meet your needs for precise and timely volatile organic compound analysis. We perform all analyses according to EPA, NIOSH or OSHA-approved analytical methods. Centek Laboratories is dedicated to providing quality analyses and exceptional customer service. Samples were analyzed using the methods outlined in the following references:

Compendium of Methods for the Determination of Toxic Organic Compounds, Compendium Method TO-15, January 1999.

Centek/SanAir Laboratories SOP TS-80

Analytical results relate to samples as received at laboratory. We do our best to make our reporting format clear and understandable and hope you are thoroughly satisfied with our services.

Please contact your client service representative at (315) 431-9730 or myself, if you would like any additional information regarding this report.

This report cannot be reproduced except in its entirety, without prior written authorization.

Sincerely,



William Dobbin
Lead Technical Director

Disclaimer: The test results and procedures utilized, and laboratory interpretations of the data obtained by Centek/SanAir as contained in this report are believed by Centek to be accurate and reliable for sample(s) tested. In accepting this report, the customer agrees that the full extent of any and all liability for actual and consequential damages of Centek for the services performed shall be equal to the fee charged to the customer for the services as liquidated damages. ELAP does not offer certification for the following parameters by this method at present time, they are: 4-ethyltoluene, ethyl acetate, propylene, tetrahydrofuran, 4-PCH, sulfur derived and silicon series compounds.

Centek/SanAir Laboratories - Terms and Conditions

Chain of Custody

Chain of Custody must be completed in full. Lack of any missing information will affect your Turn Around Times (TAT)

Internal Chain of Custody provided when you notify Centek/SanAir Laboratories

Sample Submission

All samples sent to Centek/SanAir Laboratories should be accompanied by our Request for Analysis Form or Chain of Custody Form. A Chain of Custody will be provided with each order shipped for all sampling events, or if needed, one is available at our website www.Centek/SanAirLabs.us. Samples received after 3:00pm are considered to be a part of the next day's business.

Sample Media

Samples can be collected in a canister or a Tedlar bag. Depending on your analytical needs, Centek/SanAir Laboratories may receive a bulk, liquid, soil or other matrix sample for headspace analysis.

Blanks

Every sample is run with a surrogate or tracer compound at a pre-established concentration. The surrogate compound run with each sample is used as a standard to measure the performance of each run of the instrument. If required, a Minican can be provided containing nitrogen to be run as a trip blank with your samples.

Sampling Equipment

Centek/SanAir Laboratories will be happy to provide the canisters to carry-out your sampling event at no charge. The necessary accessories, such as regulators, tubing or personal sampling belts, are also provided to meet your sampling needs. The customer is responsible for all shipping charges to the client's destination and return shipping to the laboratory. Client assumes all responsibility for lost, stolen and any damages of equipment.

****Any sampling equipment that exceeds holding times, cancellation of job or non-notice of rescheduling is subject to restocking fees****

Turn Around time (TAT)

Centek/SanAir Laboratories will provide results to its clients in one business-week by 6:00pm EST after receipt of samples. For example, if samples are received on a Monday they are due on the following Monday by 6:00pm EST. Results are faxed or emailed to the requested location indicated on the Chain of Custody. Non-routine analysis may require more than the one business-week turnaround time. Please confirm non-routine sample turnaround times.

Reporting

Results are emailed or faxed at no additional charge. A hard copy of the result report is mailed within 24 hours of the faxing or emailing of your results. Cat "B" like packages are within 3-4 weeks from time of analysis (add 10%/sample for Cat B). Standard Electronic Disk Deliverables (EDD) is also available at no additional charge.

Payment Terms

Payment for all purchases shall be due within 30 days from date of invoice. The client agrees to pay a finance charge of 1.5% per month on the overdue balance and cost of collection, including attorney fees, if collection proceedings are necessary. You must have a completed credit application on file to extend credit. Purchase orders or checks information must be submitted for us to release results

Rush Turnaround Samples

Expedited turn around times is available. Please confirm rush turnaround times with Client Services before submitting samples.

Applicable Surcharges for Rush Turnaround Samples:

Same day TAT = 200%

Next business day TAT by Noon = 150%

Next business day TAT by 6:00pm = 100%

Second business day TAT by 6:00pm = 75%

Third business day TAT by 6:00pm = 50%

Fourth business day TAT by 6:00pm = 35%

Fifth business day = Standard

Statement of Confidentiality

Centek/SanAir Laboratories is aware of the importance of the confidentiality of results to many of our clients. Your name and data will be held in the strictest of confidence. We will not accept business that may constitute a conflict of interest. We commonly sign Confidential Nondisclosure Agreements with clients prior to beginning work. All research, results and reports will be kept strictly confidential. Secrecy Agreements and Disclosure Statements will be signed for the client if so specified. Results will be provided only to the addressee specified on the Chain of Custody Form submitted with the samples unless law requires release. Written permission is required from the addressee to release results to any other party.

Limitation on Liability

Centek/SanAir Laboratories warrants the test results to be accurate to the methodology and sample type for each sample submitted to Centek/SanAir Laboratories. In no event shall Centek/SanAir Laboratories be liable for direct, indirect, special, punitive, incidental, exemplary

or consequential damages, or any damages whatsoever, even if Centek/SanAir Laboratories has been previously advised of the possibility of such damages whether in an action under contract, negligence, or any other theory, arising out of or in connection with the use, inability to use or performance of the information, services, products and materials available from the laboratory or this site. These limitations shall apply notwithstanding any failure of essential purpose of any limited remedy. Because some jurisdictions do not allow limitations on how long an implied warranty lasts, or the exclusion or limitation of liability for consequential or incidental damages, the above limitations may not apply to you. This is a comprehensive limitation of liability that applies to all damages of any kind, including (without limitation) compensatory, direct, indirect or consequential damages, loss of data, income or profit and or loss of or damage to property and claims of third parties.

ASP CAT B DELIVERABLE PACKAGE Table of Contents

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 - a. Corrective actions**
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- 4. Sample Tracking Form**
- 5. Bottle Order**
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 - a. Form 1**
- 7. Quality Control Summary**
 - a. Qc Summary Report**
 - b. IS Summary Report**
 - c. MB Summary Report**
 - d. LCS Summary Report**
 - e. MSD Summary Report**
 - f. IDL's**
 - g. Calculation**
- 8. Sample Data**
 - a. Form 1 (if requested) TIC's**
 - b. Quantitation Report with Spectra**
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 - a. Injection Log Book**
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 - c. QC Canister Log Book**



CEN TEK LABORATORIES, LLC

Date: 25-Feb-22

CLIENT: Matrix Environmental Technologies, Inc

Project: Aquino 65-67 Lake Ave

Lab Order: C2202013

CASE NARRATIVE

Samples were analyzed using the methods outlined in the following references:

Centek Laboratories, LLC SOP TS-80

Compendium of Methods for the Determination of Toxic Organic Compounds, Compendium Method TO-15, January 1999

All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objective except as indicated in the corrective action report(s). All samples were received and analyzed within the EPA recommended holding times. Test results are not Method Blank (MB) corrected for contamination.

NYSDEC ASP samples:

Canisters should be evacuated to a reading of less than or equal to 50 millitorr prior to shipment to sampling personnel. The vacuum in the canister will be field checked prior to sampling, and must read 28" of Hg (± 2 ", vacuum, absolute) before a sample can be collected. After the sample has been collected, the pressure of the canister will be read and recorded again, and must be 5" of Hg (± 1 ", vacuum, absolute) for the sample to be valid. Once received at the laboratory, the canister vacuum should be confirmed to be 5" of Hg, ± 1 ". Please record and report the pressure/vacuum of received canisters on the sample receipt paperwork. A pressure/vacuum reading should also be taken just prior to the withdrawal of sample from the canister, and recorded on the sample preparation log sheet. All regulators are calibrated to meet these requirements before they leave the laboratory. However, due to environmental conditions and use of the equipment Centek can not guarantee that this criteria can always be achieved.

**CENTEK LABORATORIES, LLC**

Date: 25-Feb-22

CLIENT: Matrix Environmental Technologies, Inc
Project: Aquino 65-67 Lake Ave
Lab Order: C2202013

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
C2202013-001A	Building 1	1179,441	1/31/2022	2/3/2022
C2202013-002A	Outside	200,379	1/31/2022	2/3/2022
C2202013-003A	A1	1186,447	1/31/2022	2/3/2022
C2202013-004A	A2	1176,440	2/1/2022	2/3/2022
C2202013-005A	A3	195,434	1/31/2022	2/3/2022
C2202013-006A	A4	88,146	1/31/2022	2/3/2022
C2202013-007A	A4 Dupe	98,146	1/31/2022	2/3/2022



CENTEK LABORATORIES, LLC

Sample Receipt Checklist

Client Name: MATRIX ENVIRONMENTAL

Date and Time Received

2/3/2022

Work Order Number C2202013

Received by: RG

Checklist completed by

Signature

Date

Reviewed by

Initials

Date

Matrix:

Carrier name: FedEx Ground

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
COC signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
COC agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
COC completely filled out?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container/Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Water - VOA vials have zero headspace?	No VOA vials submitted <input checked="" type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Water - pH acceptable upon receipt?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	

Adjusted? _____ Checked by _____

Any No and/or NA (not applicable) response must be detailed in the comments section below

Client contacted: yes Date contacted: 2/3/22 Person contacted: Christine

Contacted by: Robin Regarding: _____

Comments: called & emailed client to verify CATB on Level I

Corrective Action: Client requested CATB

QC'd By: _____

DATE: _____

Lab Order: C2202013

Client: Matrix Environmental Technologies, Inc

Project: Aquino 65-67 Lake Ave

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
C2202013-001A	Building 1	1/31/2022	Air	lug/m3 w/ 0.2ug/M3 CT-TCE-VC-DCE-1,1DCE			2/4/2022
				lug/m3 w/ 0.2ug/M3 CT-TCE-VC-DCE-1,1DCE			2/3/2022
C2202013-002A	Outside			lug/m3 w/ 0.2ug/M3 CT-TCE-VC-DCE-1,1DCE			2/4/2022
				lug/m3 w/ 0.2ug/M3 CT-TCE-VC-DCE-1,1DCE			2/3/2022
C2202013-003A	A1			lug/m3 w/ 0.2ug/M3 CT-TCE-VC-DCE-1,1DCE			2/4/2022
				lug/m3 w/ 0.2ug/M3 CT-TCE-VC-DCE-1,1DCE			2/3/2022
C2202013-004A	A2	2/1/2022		lug/m3 w/ 0.2ug/M3 CT-TCE-VC-DCE-1,1DCE			2/4/2022
				lug/m3 w/ 0.2ug/M3 CT-TCE-VC-DCE-1,1DCE			2/3/2022
C2202013-005A	A3	1/31/2022		lug/m3 w/ 0.2ug/M3 CT-TCE-VC-DCE-1,1DCE			2/4/2022
				lug/m3 w/ 0.2ug/M3 CT-TCE-VC-DCE-1,1DCE			2/3/2022
C2202013-006A	A4			lug/m3 w/ 0.2ug/M3 CT-TCE-VC-DCE-1,1DCE			2/4/2022
				lug/m3 w/ 0.2ug/M3 CT-TCE-VC-DCE-1,1DCE			2/3/2022
C2202013-007A	A4 Dupe			lug/m3 w/ 0.2ug/M3 CT-TCE-VC-DCE-1,1DCE			2/4/2022
				lug/m3 w/ 0.2ug/M3 CT-TCE-VC-DCE-1,1DCE			2/3/2022



CEN TEK LABORATORIES, LLC

In Quality Testing, It's a Game

143 Midler Park Drive * Syracuse, NY 13206

TEL: 315-431-9730 * FAX: 315-431-9731

CANISTER ORDER

9162

25-Feb-22

SHIPPED TO:

Company: Matrix Environmental Technologies, Inc
 Contact: Steve Marchetti
 Address: 3730 California Rd.
 Orchard Park, NY 14127
 Phone: (716) 662-0745
 Quote ID: 0
 Project:
 PO:

Submitted By:

MadeBy: rjp

Ship Date: 1/21/2022

VIA: UPS - Ground

Due Date: 1/25/2022

Bottle Code	Bottle Type	TEST(s)	QTY
MC1000CC	1L Mini-Can	1ug/m3 w/ 0.2ug/M3 CT-TCE-VC-DC	7

Can / Reg ID	Description
88	1L Mini-Can - 1107 VI
98	1L Mini-Can - 1099 VI
146	Time-Set Reg - 641 VI
195	1L Mini-Can - 1150 VI
200	1L Mini-Can - 1155 VI
379	Time-Set Reg - 753 VI
1186	1L Mini-Can - 1235 VI
434	Time-Set Reg - 813 VI
440	Time-Set Reg - 819 VI
441	Time-Set Reg - 820 VI
447	Time-Set Reg - 826 VI
1176	1L Mini-Can - 1253 VI
1179	1L Mini-Can - 1249 VI

Comments: 6 1L @ 24hr + 1 dupe WAC 120921 G-O

GC/MS VOLATILES-WHOLE AIR

METHOD TO-15

ANALYTICAL RESULTS

Centek Laboratories, LLC

Date: 04-Feb-22

CLIENT: Matrix Environmental Technologies, Inc
 Lab Order: C2202013
 Project: Aquino 65-67 Lake Ave
 Lab ID: C2202013-001A

Client Sample ID: Building 1
 Tag Number: 1179,441
 Collection Date: 1/31/2022
 Matrix: AIR

Analyses	Result	DL	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		FLD		Analyst:		
Lab Vacuum In	-5			"Hg		2/3/2022
Lab Vacuum Out	-30			"Hg		2/3/2022
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		TO-15		Analyst: RJP		
1,1,1-Trichloroethane	< 0.15	0.15		ppbV	1	2/3/2022 5:16:00 PM
1,1,2,2-Tetrachloroethane	< 0.15	0.15		ppbV	1	2/3/2022 5:16:00 PM
1,1,2-Trichloroethane	< 0.15	0.15		ppbV	1	2/3/2022 5:16:00 PM
1,1-Dichloroethane	< 0.15	0.15		ppbV	1	2/3/2022 5:16:00 PM
1,1-Dichloroethene	< 0.040	0.040		ppbV	1	2/3/2022 5:16:00 PM
1,2,4-Trichlorobenzene	< 0.15	0.15		ppbV	1	2/3/2022 5:16:00 PM
1,2,4-Trimethylbenzene	< 0.15	0.15		ppbV	1	2/3/2022 5:16:00 PM
1,2-Dibromoethane	< 0.15	0.15		ppbV	1	2/3/2022 5:16:00 PM
1,2-Dichlorobenzene	< 0.15	0.15		ppbV	1	2/3/2022 5:16:00 PM
1,2-Dichloroethane	< 0.15	0.15		ppbV	1	2/3/2022 5:16:00 PM
1,2-Dichloropropane	< 0.15	0.15		ppbV	1	2/3/2022 5:16:00 PM
1,3,5-Trimethylbenzene	< 0.15	0.15		ppbV	1	2/3/2022 5:16:00 PM
1,3-butadiene	< 0.15	0.15		ppbV	1	2/3/2022 5:16:00 PM
1,3-Dichlorobenzene	< 0.15	0.15		ppbV	1	2/3/2022 5:16:00 PM
1,4-Dichlorobenzene	< 0.15	0.15		ppbV	1	2/3/2022 5:16:00 PM
1,4-Dioxane	< 0.30	0.30		ppbV	1	2/3/2022 5:16:00 PM
2,2,4-trimethylpentane	0.13	0.15	J	ppbV	1	2/3/2022 5:16:00 PM
4-ethyltoluene	< 0.15	0.15		ppbV	1	2/3/2022 5:16:00 PM
Acetone	3.6	1.2		ppbV	4	2/4/2022 4:51:00 AM
Allyl chloride	< 0.15	0.15		ppbV	1	2/3/2022 5:16:00 PM
Benzene	0.52	0.15		ppbV	1	2/3/2022 5:16:00 PM
Benzyl chloride	< 0.15	0.15		ppbV	1	2/3/2022 5:16:00 PM
Bromodichloromethane	< 0.15	0.15		ppbV	1	2/3/2022 5:16:00 PM
Bromoform	< 0.15	0.15		ppbV	1	2/3/2022 5:16:00 PM
Bromomethane	< 0.15	0.15		ppbV	1	2/3/2022 5:16:00 PM
Carbon disulfide	< 0.15	0.15		ppbV	1	2/3/2022 5:16:00 PM
Carbon tetrachloride	0.060	0.030		ppbV	1	2/3/2022 5:16:00 PM
Chlorobenzene	< 0.15	0.15		ppbV	1	2/3/2022 5:16:00 PM
Chloroethane	< 0.15	0.15		ppbV	1	2/3/2022 5:16:00 PM
Chloroform	0.16	0.15		ppbV	1	2/3/2022 5:16:00 PM
Chloromethane	0.66	0.15		ppbV	1	2/3/2022 5:16:00 PM
cis-1,2-Dichloroethene	< 0.040	0.040		ppbV	1	2/3/2022 5:16:00 PM
cis-1,3-Dichloropropene	< 0.15	0.15		ppbV	1	2/3/2022 5:16:00 PM
Cyclohexane	< 0.15	0.15		ppbV	1	2/3/2022 5:16:00 PM
Dibromochloromethane	< 0.15	0.15		ppbV	1	2/3/2022 5:16:00 PM
Ethyl acetate	< 0.15	0.15		ppbV	1	2/3/2022 5:16:00 PM

Qualifiers: SC Sub-Contracted
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 JN Non-routine analyte. Quantitation estimated.
 S Spike Recovery outside accepted recovery limits

Results reported are not blank corrected
 E Estimated Value above quantitation range
 J Analyte detected below quantitation limit
 ND Not Detected at the Limit of Detection
 DL Detection Limit

Page 1 of 14

Centek Laboratories, LLC

Date: 04-Feb-22

CLIENT: Matrix Environmental Technologies, Inc
 Lab Order: C2202013
 Project: Aquino 65-67 Lake Ave
 Lab ID: C2202013-001A

Client Sample ID: Building 1
 Tag Number: 1179,441
 Collection Date: 1/31/2022
 Matrix: AIR

Analyses	Result	DL	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE			TO-15			Analyst: RJP
Ethylbenzene	0.15	0.15		ppbV	1	2/3/2022 5:16:00 PM
Freon 11	0.22	0.15		ppbV	1	2/3/2022 5:16:00 PM
Freon 113	< 0.15	0.15		ppbV	1	2/3/2022 5:16:00 PM
Freon 114	< 0.15	0.15		ppbV	1	2/3/2022 5:16:00 PM
Freon 12	0.44	0.15		ppbV	1	2/3/2022 5:16:00 PM
Heptane	0.21	0.15		ppbV	1	2/3/2022 5:16:00 PM
Hexachloro-1,3-butadiene	< 0.15	0.15		ppbV	1	2/3/2022 5:16:00 PM
Hexane	0.35	0.15		ppbV	1	2/3/2022 5:16:00 PM
Isopropyl alcohol	1.5	0.15		ppbV	1	2/3/2022 5:16:00 PM
m&p-Xylene	0.46	0.30		ppbV	1	2/3/2022 5:16:00 PM
Methyl Butyl Ketone	< 0.30	0.30		ppbV	1	2/3/2022 5:16:00 PM
Methyl Ethyl Ketone	0.41	0.30		ppbV	1	2/3/2022 5:16:00 PM
Methyl Isobutyl Ketone	< 0.30	0.30		ppbV	1	2/3/2022 5:16:00 PM
Methyl tert-butyl ether	< 0.15	0.15		ppbV	1	2/3/2022 5:16:00 PM
Methylene chloride	0.21	0.15		ppbV	1	2/3/2022 5:16:00 PM
o-Xylene	0.14	0.15	J	ppbV	1	2/3/2022 5:16:00 PM
Propylene	< 0.15	0.15		ppbV	1	2/3/2022 5:16:00 PM
Styrene	< 0.15	0.15		ppbV	1	2/3/2022 5:16:00 PM
Tetrachloroethylene	0.44	0.15		ppbV	1	2/3/2022 5:16:00 PM
Tetrahydrofuran	< 0.15	0.15		ppbV	1	2/3/2022 5:16:00 PM
Toluene	1.4	0.15		ppbV	1	2/3/2022 5:16:00 PM
trans-1,2-Dichloroethene	< 0.15	0.15		ppbV	1	2/3/2022 5:16:00 PM
trans-1,3-Dichloropropene	< 0.15	0.15		ppbV	1	2/3/2022 5:16:00 PM
Trichloroethene	0.050	0.030		ppbV	1	2/3/2022 5:16:00 PM
Vinyl acetate	< 0.15	0.15		ppbV	1	2/3/2022 5:16:00 PM
Vinyl Bromide	< 0.15	0.15		ppbV	1	2/3/2022 5:16:00 PM
Vinyl chloride	< 0.040	0.040		ppbV	1	2/3/2022 5:16:00 PM
Surr: Bromofluorobenzene	91.0	47-124		%REC	1	2/3/2022 5:16:00 PM

Qualifiers: SC Sub-Contracted
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 JN Non-routine analyte. Quantitation estimated.
 S Spike Recovery outside accepted recovery limits

Results reported are not blank corrected
 E Estimated Value above quantitation range
 J Analyte detected below quantitation limit
 ND Not Detected at the Limit of Detection
 DL Detection Limit

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Centek Laboratories, LLC

Date: 04-Feb-22

CLIENT: Matrix Environmental Technologies, Inc
 Lab Order: C2202013
 Project: Aquino 65-67 Lake Ave
 Lab ID: C2202013-001A

Client Sample ID: Building 1
 Tag Number: 1179,441
 Collection Date: 1/31/2022
 Matrix: AIR

Analyses	Result	DL	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		TO-15		Analyst: RJP		
1,1,1-Trichloroethane	< 0.82	0.82		ug/m3	1	2/3/2022 5:16:00 PM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		ug/m3	1	2/3/2022 5:16:00 PM
1,1,2-Trichloroethane	< 0.82	0.82		ug/m3	1	2/3/2022 5:16:00 PM
1,1-Dichloroethane	< 0.61	0.61		ug/m3	1	2/3/2022 5:16:00 PM
1,1-Dichloroethene	< 0.16	0.16		ug/m3	1	2/3/2022 5:16:00 PM
1,2,4-Trichlorobenzene	< 1.1	1.1		ug/m3	1	2/3/2022 5:16:00 PM
1,2,4-Trimethylbenzene	< 0.74	0.74		ug/m3	1	2/3/2022 5:16:00 PM
1,2-Dibromoethane	< 1.2	1.2		ug/m3	1	2/3/2022 5:16:00 PM
1,2-Dichlorobenzene	< 0.90	0.90		ug/m3	1	2/3/2022 5:16:00 PM
1,2-Dichloroethane	< 0.61	0.61		ug/m3	1	2/3/2022 5:16:00 PM
1,2-Dichloropropane	< 0.69	0.69		ug/m3	1	2/3/2022 5:16:00 PM
1,3,5-Trimethylbenzene	< 0.74	0.74		ug/m3	1	2/3/2022 5:16:00 PM
1,3-butadiene	< 0.33	0.33		ug/m3	1	2/3/2022 5:16:00 PM
1,3-Dichlorobenzene	< 0.90	0.90		ug/m3	1	2/3/2022 5:16:00 PM
1,4-Dichlorobenzene	< 0.90	0.90		ug/m3	1	2/3/2022 5:16:00 PM
1,4-Dioxane	< 1.1	1.1		ug/m3	1	2/3/2022 5:16:00 PM
2,2,4-trimethylpentane	0.61	0.70	J	ug/m3	1	2/3/2022 5:16:00 PM
4-ethyltoluene	< 0.74	0.74		ug/m3	1	2/3/2022 5:16:00 PM
Acetone	8.6	2.8		ug/m3	4	2/4/2022 4:51:00 AM
Allyl chloride	< 0.47	0.47		ug/m3	1	2/3/2022 5:16:00 PM
Benzene	1.7	0.48		ug/m3	1	2/3/2022 5:16:00 PM
Benzyl chloride	< 0.86	0.86		ug/m3	1	2/3/2022 5:16:00 PM
Bromodichloromethane	< 1.0	1.0		ug/m3	1	2/3/2022 5:16:00 PM
Bromoform	< 1.6	1.6		ug/m3	1	2/3/2022 5:16:00 PM
Bromomethane	< 0.58	0.58		ug/m3	1	2/3/2022 5:16:00 PM
Carbon disulfide	< 0.47	0.47		ug/m3	1	2/3/2022 5:16:00 PM
Carbon tetrachloride	0.38	0.19		ug/m3	1	2/3/2022 5:16:00 PM
Chlorobenzene	< 0.69	0.69		ug/m3	1	2/3/2022 5:16:00 PM
Chloroethane	< 0.40	0.40		ug/m3	1	2/3/2022 5:16:00 PM
Chloroform	0.78	0.73		ug/m3	1	2/3/2022 5:16:00 PM
Chloromethane	1.4	0.31		ug/m3	1	2/3/2022 5:16:00 PM
cis-1,2-Dichloroethene	< 0.16	0.16		ug/m3	1	2/3/2022 5:16:00 PM
cis-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	2/3/2022 5:16:00 PM
Cyclohexane	< 0.52	0.52		ug/m3	1	2/3/2022 5:16:00 PM
Dibromochloromethane	< 1.3	1.3		ug/m3	1	2/3/2022 5:16:00 PM
Ethyl acetate	< 0.54	0.54		ug/m3	1	2/3/2022 5:16:00 PM
Ethylbenzene	0.65	0.65		ug/m3	1	2/3/2022 5:16:00 PM
Freon 11	1.2	0.84		ug/m3	1	2/3/2022 5:16:00 PM
Freon 113	< 1.1	1.1		ug/m3	1	2/3/2022 5:16:00 PM
Freon 114	< 1.0	1.0		ug/m3	1	2/3/2022 5:16:00 PM

Qualifiers: SC Sub-Contracted
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 JN Non-routine analyte, Quantitation estimated.
 S Spike Recovery outside accepted recovery limits

Results reported are not blank corrected
 E Estimated Value above quantitation range
 J Analyte detected below quantitation limit
 ND Not Detected at the Limit of Detection
 DL Detection Limit

Page 1 of 14

Centek Laboratories, LLC

Date: 04-Feb-22

CLIENT: Matrix Environmental Technologies, Inc
 Lab Order: C2202013
 Project: Aquino 65-67 Lake Ave
 Lab ID: C2202013-001A

Client Sample ID: Building 1
 Tag Number: 1179,441
 Collection Date: 1/31/2022
 Matrix: AIR

Analyses	Result	DL	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		TO-15		Analyst: RJP		
Freon 12	2.2	0.74		ug/m3	1	2/3/2022 5:16:00 PM
Heptane	0.86	0.61		ug/m3	1	2/3/2022 5:16:00 PM
Hexachloro-1,3-butadiene	< 1.6	1.6		ug/m3	1	2/3/2022 5:16:00 PM
Hexane	1.2	0.53		ug/m3	1	2/3/2022 5:16:00 PM
Isopropyl alcohol	3.7	0.37		ug/m3	1	2/3/2022 5:16:00 PM
m&p-Xylene	2.0	1.3		ug/m3	1	2/3/2022 5:16:00 PM
Methyl Butyl Ketone	< 1.2	1.2		ug/m3	1	2/3/2022 5:16:00 PM
Methyl Ethyl Ketone	1.2	0.88		ug/m3	1	2/3/2022 5:16:00 PM
Methyl Isobutyl Ketone	< 1.2	1.2		ug/m3	1	2/3/2022 5:16:00 PM
Methyl tert-butyl ether	< 0.54	0.54		ug/m3	1	2/3/2022 5:16:00 PM
Methylene chloride	0.73	0.52		ug/m3	1	2/3/2022 5:16:00 PM
o-Xylene	0.61	0.65	J	ug/m3	1	2/3/2022 5:16:00 PM
Propylene	< 0.26	0.26		ug/m3	1	2/3/2022 5:16:00 PM
Styrene	< 0.64	0.64		ug/m3	1	2/3/2022 5:16:00 PM
Tetrachloroethylene	3.0	1.0		ug/m3	1	2/3/2022 5:16:00 PM
Tetrahydrofuran	< 0.44	0.44		ug/m3	1	2/3/2022 5:16:00 PM
Toluene	5.4	0.57		ug/m3	1	2/3/2022 5:16:00 PM
trans-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	2/3/2022 5:16:00 PM
trans-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	2/3/2022 5:16:00 PM
Trichloroethene	0.27	0.16		ug/m3	1	2/3/2022 5:16:00 PM
Vinyl acetate	< 0.53	0.53		ug/m3	1	2/3/2022 5:16:00 PM
Vinyl Bromide	< 0.66	0.66		ug/m3	1	2/3/2022 5:16:00 PM
Vinyl chloride	< 0.10	0.10		ug/m3	1	2/3/2022 5:16:00 PM

Qualifiers: SC Sub-Contracted
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 JN Non-routine analyte. Quantitation estimated.
 S Spike Recovery outside accepted recovery limits

Results reported are not blank corrected
 E Estimated Value above quantitation range
 J Analyte detected below quantitation limit
 ND Not Detected at the Limit of Detection
 DL Detection Limit

Page 2 of 14

Centek Laboratories, LLC

Date: 04-Feb-22

CLIENT: Matrix Environmental Technologies, Inc

Client Sample ID: Outside

Lab Order: C2202013

Tag Number: 200,379

Project: Aquino 65-67 Lake Ave

Collection Date: 1/31/2022

Lab ID: C2202013-002A

Matrix: AIR

Analyses	Result	DL	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		FLD		Analyst:		
Lab Vacuum In	-1			"Hg		2/3/2022
Lab Vacuum Out	-30			"Hg		2/3/2022
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		TO-15		Analyst: RJP		
1,1,1-Trichloroethane	< 0.15	0.15		ppbV	1	2/3/2022 6:00:00 PM
1,1,2,2-Tetrachloroethane	< 0.15	0.15		ppbV	1	2/3/2022 6:00:00 PM
1,1,2-Trichloroethane	< 0.15	0.15		ppbV	1	2/3/2022 6:00:00 PM
1,1-Dichloroethane	< 0.15	0.15		ppbV	1	2/3/2022 6:00:00 PM
1,1-Dichloroethene	< 0.040	0.040		ppbV	1	2/3/2022 6:00:00 PM
1,2,4-Trichlorobenzene	< 0.15	0.15		ppbV	1	2/3/2022 6:00:00 PM
1,2,4-Trimethylbenzene	< 0.15	0.15		ppbV	1	2/3/2022 6:00:00 PM
1,2-Dibromoethane	< 0.15	0.15		ppbV	1	2/3/2022 6:00:00 PM
1,2-Dichlorobenzene	< 0.15	0.15		ppbV	1	2/3/2022 6:00:00 PM
1,2-Dichloroethane	< 0.15	0.15		ppbV	1	2/3/2022 6:00:00 PM
1,2-Dichloropropane	< 0.15	0.15		ppbV	1	2/3/2022 6:00:00 PM
1,3,5-Trimethylbenzene	< 0.15	0.15		ppbV	1	2/3/2022 6:00:00 PM
1,3-butadiene	< 0.15	0.15		ppbV	1	2/3/2022 6:00:00 PM
1,3-Dichlorobenzene	< 0.15	0.15		ppbV	1	2/3/2022 6:00:00 PM
1,4-Dichlorobenzene	< 0.15	0.15		ppbV	1	2/3/2022 6:00:00 PM
1,4-Dioxane	< 0.30	0.30		ppbV	1	2/3/2022 6:00:00 PM
2,2,4-trimethylpentane	0.12	0.15	J	ppbV	1	2/3/2022 6:00:00 PM
4-ethyltoluene	< 0.15	0.15		ppbV	1	2/3/2022 6:00:00 PM
Acetone	7.9	3.0		ppbV	10	2/4/2022 5:32:00 AM
Allyl chloride	< 0.15	0.15		ppbV	1	2/3/2022 6:00:00 PM
Benzene	0.29	0.15		ppbV	1	2/3/2022 6:00:00 PM
Benzyl chloride	< 0.15	0.15		ppbV	1	2/3/2022 6:00:00 PM
Bromodichloromethane	< 0.15	0.15		ppbV	1	2/3/2022 6:00:00 PM
Bromoform	< 0.15	0.15		ppbV	1	2/3/2022 6:00:00 PM
Bromomethane	< 0.15	0.15		ppbV	1	2/3/2022 6:00:00 PM
Carbon disulfide	< 0.15	0.15		ppbV	1	2/3/2022 6:00:00 PM
Carbon tetrachloride	0.070	0.030		ppbV	1	2/3/2022 6:00:00 PM
Chlorobenzene	< 0.15	0.15		ppbV	1	2/3/2022 6:00:00 PM
Chloroethane	< 0.15	0.15		ppbV	1	2/3/2022 6:00:00 PM
Chloroform	< 0.15	0.15		ppbV	1	2/3/2022 6:00:00 PM
Chloromethane	0.42	0.15		ppbV	1	2/3/2022 6:00:00 PM
cis-1,2-Dichloroethene	< 0.040	0.040		ppbV	1	2/3/2022 6:00:00 PM
cis-1,3-Dichloropropene	< 0.15	0.15		ppbV	1	2/3/2022 6:00:00 PM
Cyclohexane	0.16	0.15		ppbV	1	2/3/2022 6:00:00 PM
Dibromochloromethane	< 0.15	0.15		ppbV	1	2/3/2022 6:00:00 PM
Ethyl acetate	< 0.15	0.15		ppbV	1	2/3/2022 6:00:00 PM

Qualifiers: SC Sub-Contracted
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 JN Non-routine analyte, Quantitation estimated.
 S Spike Recovery outside accepted recovery limits

Results reported are not blank corrected
 E Estimated Value above quantitation range
 J Analyte detected below quantitation limit
 ND Not Detected at the Limit of Detection
 DL Detection Limit

Page 3 of 14

Centek Laboratories, LLC

Date: 04-Feb-22

CLIENT: Matrix Environmental Technologies, Inc

Client Sample ID: Outside

Lab Order: C2202013

Tag Number: 200,379

Project: Aquino 65-67 Lake Ave

Collection Date: 1/31/2022

Lab ID: C2202013-002A

Matrix: AIR

Analyses	Result	DL	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		TO-15		Analyst: RJP		
Ethylbenzene	< 0.15	0.15		ppbV	1	2/3/2022 6:00:00 PM
Freon 11	0.25	0.15		ppbV	1	2/3/2022 6:00:00 PM
Freon 113	< 0.15	0.15		ppbV	1	2/3/2022 6:00:00 PM
Freon 114	< 0.15	0.15		ppbV	1	2/3/2022 6:00:00 PM
Freon 12	0.49	0.15		ppbV	1	2/3/2022 6:00:00 PM
Heptane	0.12	0.15	J	ppbV	1	2/3/2022 6:00:00 PM
Hexachloro-1,3-butadiene	< 0.15	0.15		ppbV	1	2/3/2022 6:00:00 PM
Hexane	0.25	0.15		ppbV	1	2/3/2022 6:00:00 PM
Isopropyl alcohol	0.71	0.15		ppbV	1	2/3/2022 6:00:00 PM
m&p-Xylene	0.23	0.30	J	ppbV	1	2/3/2022 6:00:00 PM
Methyl Butyl Ketone	< 0.30	0.30		ppbV	1	2/3/2022 6:00:00 PM
Methyl Ethyl Ketone	0.22	0.30	J	ppbV	1	2/3/2022 6:00:00 PM
Methyl Isobutyl Ketone	< 0.30	0.30		ppbV	1	2/3/2022 6:00:00 PM
Methyl tert-butyl ether	< 0.15	0.15		ppbV	1	2/3/2022 6:00:00 PM
Methylene chloride	0.26	0.15		ppbV	1	2/3/2022 6:00:00 PM
o-Xylene	< 0.15	0.15		ppbV	1	2/3/2022 6:00:00 PM
Propylene	< 0.15	0.15		ppbV	1	2/3/2022 6:00:00 PM
Styrene	< 0.15	0.15		ppbV	1	2/3/2022 6:00:00 PM
Tetrachloroethylene	< 0.15	0.15		ppbV	1	2/3/2022 6:00:00 PM
Tetrahydrofuran	< 0.15	0.15		ppbV	1	2/3/2022 6:00:00 PM
Toluene	0.65	0.15		ppbV	1	2/3/2022 6:00:00 PM
trans-1,2-Dichloroethene	< 0.15	0.15		ppbV	1	2/3/2022 6:00:00 PM
trans-1,3-Dichloropropene	< 0.15	0.15		ppbV	1	2/3/2022 6:00:00 PM
Trichloroethene	< 0.030	0.030		ppbV	1	2/3/2022 6:00:00 PM
Vinyl acetate	< 0.15	0.15		ppbV	1	2/3/2022 6:00:00 PM
Vinyl Bromide	< 0.15	0.15		ppbV	1	2/3/2022 6:00:00 PM
Vinyl chloride	< 0.040	0.040		ppbV	1	2/3/2022 6:00:00 PM
Surr: Bromofluorobenzene	90.0	47-124		%REC	1	2/3/2022 6:00:00 PM

Qualifiers: SC Sub-Contracted
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 JN Non-routine analyte. Quantitation estimated.
 S Spike Recovery outside accepted recovery limits

Results reported are not blank corrected
 E Estimated Value above quantitation range
 J Analyte detected below quantitation limit
 ND Not Detected at the Limit of Detection
 DL Detection Limit

Page 4 of 14

Centek Laboratories, LLC

Date: 04-Feb-22

CLIENT: Matrix Environmental Technologies, Inc

Client Sample ID: Outside

Lab Order: C2202013

Tag Number: 200,379

Project: Aquino 65-67 Lake Ave

Collection Date: 1/31/2022

Lab ID: C2202013-002A

Matrix: AIR

Analyses	Result	DL	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		TO-15		Analyst: RJP		
1,1,1-Trichloroethane	< 0.82	0.82		ug/m3	1	2/3/2022 6:00:00 PM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		ug/m3	1	2/3/2022 6:00:00 PM
1,1,2-Trichloroethane	< 0.82	0.82		ug/m3	1	2/3/2022 6:00:00 PM
1,1-Dichloroethane	< 0.61	0.61		ug/m3	1	2/3/2022 6:00:00 PM
1,1-Dichloroethene	< 0.16	0.16		ug/m3	1	2/3/2022 6:00:00 PM
1,2,4-Trichlorobenzene	< 1.1	1.1		ug/m3	1	2/3/2022 6:00:00 PM
1,2,4-Trimethylbenzene	< 0.74	0.74		ug/m3	1	2/3/2022 6:00:00 PM
1,2-Dibromoethane	< 1.2	1.2		ug/m3	1	2/3/2022 6:00:00 PM
1,2-Dichlorobenzene	< 0.90	0.90		ug/m3	1	2/3/2022 6:00:00 PM
1,2-Dichloroethane	< 0.61	0.61		ug/m3	1	2/3/2022 6:00:00 PM
1,2-Dichloropropane	< 0.69	0.69		ug/m3	1	2/3/2022 6:00:00 PM
1,3,5-Trimethylbenzene	< 0.74	0.74		ug/m3	1	2/3/2022 6:00:00 PM
1,3-butadiene	< 0.33	0.33		ug/m3	1	2/3/2022 6:00:00 PM
1,3-Dichlorobenzene	< 0.90	0.90		ug/m3	1	2/3/2022 6:00:00 PM
1,4-Dichlorobenzene	< 0.90	0.90		ug/m3	1	2/3/2022 6:00:00 PM
1,4-Dioxane	< 1.1	1.1		ug/m3	1	2/3/2022 6:00:00 PM
2,2,4-trimethylpentane	0.56	0.70	J	ug/m3	1	2/3/2022 6:00:00 PM
4-ethyltoluene	< 0.74	0.74		ug/m3	1	2/3/2022 6:00:00 PM
Acetone	19	7.1		ug/m3	10	2/4/2022 5:32:00 AM
Allyl chloride	< 0.47	0.47		ug/m3	1	2/3/2022 6:00:00 PM
Benzene	0.93	0.48		ug/m3	1	2/3/2022 6:00:00 PM
Benzyl chloride	< 0.86	0.86		ug/m3	1	2/3/2022 6:00:00 PM
Bromodichloromethane	< 1.0	1.0		ug/m3	1	2/3/2022 6:00:00 PM
Bromoform	< 1.6	1.6		ug/m3	1	2/3/2022 6:00:00 PM
Bromomethane	< 0.58	0.58		ug/m3	1	2/3/2022 6:00:00 PM
Carbon disulfide	< 0.47	0.47		ug/m3	1	2/3/2022 6:00:00 PM
Carbon tetrachloride	0.44	0.19		ug/m3	1	2/3/2022 6:00:00 PM
Chlorobenzene	< 0.69	0.69		ug/m3	1	2/3/2022 6:00:00 PM
Chloroethane	< 0.40	0.40		ug/m3	1	2/3/2022 6:00:00 PM
Chloroform	< 0.73	0.73		ug/m3	1	2/3/2022 6:00:00 PM
Chloromethane	0.87	0.31		ug/m3	1	2/3/2022 6:00:00 PM
cis-1,2-Dichloroethene	< 0.16	0.16		ug/m3	1	2/3/2022 6:00:00 PM
cis-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	2/3/2022 6:00:00 PM
Cyclohexane	0.55	0.52		ug/m3	1	2/3/2022 6:00:00 PM
Dibromochloromethane	< 1.3	1.3		ug/m3	1	2/3/2022 6:00:00 PM
Ethyl acetate	< 0.54	0.54		ug/m3	1	2/3/2022 6:00:00 PM
Ethylbenzene	< 0.65	0.65		ug/m3	1	2/3/2022 6:00:00 PM
Freon 11	1.4	0.84		ug/m3	1	2/3/2022 6:00:00 PM
Freon 113	< 1.1	1.1		ug/m3	1	2/3/2022 6:00:00 PM
Freon 114	< 1.0	1.0		ug/m3	1	2/3/2022 6:00:00 PM

Qualifiers: SC Sub-Contracted
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 JN Non-routine analyte. Quantitation estimated.
 S Spike Recovery outside accepted recovery limits

Results reported are not blank corrected
 E Estimated Value above quantitation range
 J Analyte detected below quantitation limit
 ND Not Detected at the Limit of Detection
 DL Detection Limit

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Centek Laboratories, LLC

Date: 04-Feb-22

CLIENT: Matrix Environmental Technologies, Inc

Client Sample ID: Outside

Lab Order: C2202013

Tag Number: 200,379

Project: Aquino 65-67 Lake Ave

Collection Date: 1/31/2022

Lab ID: C2202013-002A

Matrix: AIR

Analyses	Result	DL	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		TO-15		Analyst: RJP		
Freon 12	2.4	0.74		ug/m3	1	2/3/2022 6:00:00 PM
Heptane	0.49	0.61	J	ug/m3	1	2/3/2022 6:00:00 PM
Hexachloro-1,3-butadiene	< 1.6	1.6		ug/m3	1	2/3/2022 6:00:00 PM
Hexane	0.88	0.53		ug/m3	1	2/3/2022 6:00:00 PM
Isopropyl alcohol	1.7	0.37		ug/m3	1	2/3/2022 6:00:00 PM
m&p-Xylene	1.0	1.3	J	ug/m3	1	2/3/2022 6:00:00 PM
Methyl Butyl Ketone	< 1.2	1.2		ug/m3	1	2/3/2022 6:00:00 PM
Methyl Ethyl Ketone	0.65	0.88	J	ug/m3	1	2/3/2022 6:00:00 PM
Methyl Isobutyl Ketone	< 1.2	1.2		ug/m3	1	2/3/2022 6:00:00 PM
Methyl tert-butyl ether	< 0.54	0.54		ug/m3	1	2/3/2022 6:00:00 PM
Methylene chloride	0.90	0.52		ug/m3	1	2/3/2022 6:00:00 PM
o-Xylene	< 0.65	0.65		ug/m3	1	2/3/2022 6:00:00 PM
Propylene	< 0.26	0.26		ug/m3	1	2/3/2022 6:00:00 PM
Styrene	< 0.64	0.64		ug/m3	1	2/3/2022 6:00:00 PM
Tetrachloroethylene	< 1.0	1.0		ug/m3	1	2/3/2022 6:00:00 PM
Tetrahydrofuran	< 0.44	0.44		ug/m3	1	2/3/2022 6:00:00 PM
Toluene	2.4	0.57		ug/m3	1	2/3/2022 6:00:00 PM
trans-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	2/3/2022 6:00:00 PM
trans-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	2/3/2022 6:00:00 PM
Trichloroethene	< 0.16	0.16		ug/m3	1	2/3/2022 6:00:00 PM
Vinyl acetate	< 0.53	0.53		ug/m3	1	2/3/2022 6:00:00 PM
Vinyl Bromide	< 0.66	0.66		ug/m3	1	2/3/2022 6:00:00 PM
Vinyl chloride	< 0.10	0.10		ug/m3	1	2/3/2022 6:00:00 PM

Qualifiers: SC Sub-Contracted
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 IN Non-routine analyte, Quantitation estimated.
 S Spike Recovery outside accepted recovery limits

Results reported are not blank corrected
 E Estimated Value above quantitation range
 J Analyte detected below quantitation limit
 ND Not Detected at the Limit of Detection
 DL Detection Limit

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Centek Laboratories, LLC

Date: 04-Feb-22

CLIENT: Matrix Environmental Technologies, Inc
 Lab Order: C2202013
 Project: Aquino 65-67 Lake Ave
 Lab ID: C2202013-003A

Client Sample ID: A1
 Tag Number: 1186,447
 Collection Date: 1/31/2022
 Matrix: AIR

Analyses	Result	DL	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		FLD		Analyst:		
Lab Vacuum In	-1			"Hg		2/3/2022
Lab Vacuum Out	-30			"Hg		2/3/2022
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		TO-15		Analyst: RJP		
1,1,1-Trichloroethane	< 0.15	0.15		ppbV	1	2/3/2022 6:45:00 PM
1,1,2,2-Tetrachloroethane	< 0.15	0.15		ppbV	1	2/3/2022 6:45:00 PM
1,1,2-Trichloroethane	< 0.15	0.15		ppbV	1	2/3/2022 6:45:00 PM
1,1-Dichloroethane	< 0.15	0.15		ppbV	1	2/3/2022 6:45:00 PM
1,1-Dichloroethene	< 0.040	0.040		ppbV	1	2/3/2022 6:45:00 PM
1,2,4-Trichlorobenzene	< 0.15	0.15		ppbV	1	2/3/2022 6:45:00 PM
1,2,4-Trimethylbenzene	0.19	0.15		ppbV	1	2/3/2022 6:45:00 PM
1,2-Dibromoethane	< 0.15	0.15		ppbV	1	2/3/2022 6:45:00 PM
1,2-Dichlorobenzene	< 0.15	0.15		ppbV	1	2/3/2022 6:45:00 PM
1,2-Dichloroethane	0.12	0.15	J	ppbV	1	2/3/2022 6:45:00 PM
1,2-Dichloropropane	< 0.15	0.15		ppbV	1	2/3/2022 6:45:00 PM
1,3,5-Trimethylbenzene	< 0.15	0.15		ppbV	1	2/3/2022 6:45:00 PM
1,3-butadiene	< 0.15	0.15		ppbV	1	2/3/2022 6:45:00 PM
1,3-Dichlorobenzene	< 0.15	0.15		ppbV	1	2/3/2022 6:45:00 PM
1,4-Dichlorobenzene	0.17	0.15		ppbV	1	2/3/2022 6:45:00 PM
1,4-Dioxane	< 0.30	0.30		ppbV	1	2/3/2022 6:45:00 PM
2,2,4-trimethylpentane	0.18	0.15		ppbV	1	2/3/2022 6:45:00 PM
4-ethyltoluene	< 0.15	0.15		ppbV	1	2/3/2022 6:45:00 PM
Acetone	13	3.0		ppbV	10	2/4/2022 6:15:00 AM
Allyl chloride	< 0.15	0.15		ppbV	1	2/3/2022 6:45:00 PM
Benzene	1.2	0.15		ppbV	1	2/3/2022 6:45:00 PM
Benzyl chloride	< 0.15	0.15		ppbV	1	2/3/2022 6:45:00 PM
Bromodichloromethane	< 0.15	0.15		ppbV	1	2/3/2022 6:45:00 PM
Bromoform	< 0.15	0.15		ppbV	1	2/3/2022 6:45:00 PM
Bromomethane	< 0.15	0.15		ppbV	1	2/3/2022 6:45:00 PM
Carbon disulfide	< 0.15	0.15		ppbV	1	2/3/2022 6:45:00 PM
Carbon tetrachloride	0.070	0.030		ppbV	1	2/3/2022 6:45:00 PM
Chlorobenzene	< 0.15	0.15		ppbV	1	2/3/2022 6:45:00 PM
Chloroethane	< 0.15	0.15		ppbV	1	2/3/2022 6:45:00 PM
Chloroform	0.49	0.15		ppbV	1	2/3/2022 6:45:00 PM
Chloromethane	1.9	0.15		ppbV	1	2/3/2022 6:45:00 PM
cis-1,2-Dichloroethene	< 0.040	0.040		ppbV	1	2/3/2022 6:45:00 PM
cis-1,3-Dichloropropene	< 0.15	0.15		ppbV	1	2/3/2022 6:45:00 PM
Cyclohexane	< 0.15	0.15		ppbV	1	2/3/2022 6:45:00 PM
Dibromochloromethane	< 0.15	0.15		ppbV	1	2/3/2022 6:45:00 PM
Ethyl acetate	1.4	0.15		ppbV	1	2/3/2022 6:45:00 PM

Qualifiers: SC Sub-Contracted
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 JN Non-routine analyte. Quantitation estimated.
 S Spike Recovery outside accepted recovery limits

Results reported are not blank corrected
 E Estimated Value above quantitation range
 J Analyte detected below quantitation limit
 ND Not Detected at the Limit of Detection
 DL Detection Limit

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Centek Laboratories, LLC

Date: 04-Feb-22

CLIENT: Matrix Environmental Technologies, Inc
 Lab Order: C2202013
 Project: Aquino 65-67 Lake Ave
 Lab ID: C2202013-003A

Client Sample ID: A1
 Tag Number: 1186,447
 Collection Date: 1/31/2022
 Matrix: AIR

Analyses	Result	DL	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		TO-15		Analyst: RJP		
Ethylbenzene	0.25	0.15		ppbV	1	2/3/2022 6:45:00 PM
Freon 11	0.24	0.15		ppbV	1	2/3/2022 6:45:00 PM
Freon 113	< 0.15	0.15		ppbV	1	2/3/2022 6:45:00 PM
Freon 114	< 0.15	0.15		ppbV	1	2/3/2022 6:45:00 PM
Freon 12	0.44	0.15		ppbV	1	2/3/2022 6:45:00 PM
Heptane	0.42	0.15		ppbV	1	2/3/2022 6:45:00 PM
Hexachloro-1,3-butadiene	< 0.15	0.15		ppbV	1	2/3/2022 6:45:00 PM
Hexane	0.54	0.15		ppbV	1	2/3/2022 6:45:00 PM
Isopropyl alcohol	< 0.15	0.15		ppbV	1	2/3/2022 6:45:00 PM
m&p-Xylene	0.78	0.30		ppbV	1	2/3/2022 6:45:00 PM
Methyl Butyl Ketone	< 0.30	0.30		ppbV	1	2/3/2022 6:45:00 PM
Methyl Ethyl Ketone	1.1	0.30		ppbV	1	2/3/2022 6:45:00 PM
Methyl Isobutyl Ketone	< 0.30	0.30		ppbV	1	2/3/2022 6:45:00 PM
Methyl tert-butyl ether	< 0.15	0.15		ppbV	1	2/3/2022 6:45:00 PM
Methylene chloride	0.21	0.15		ppbV	1	2/3/2022 6:45:00 PM
o-Xylene	0.23	0.15		ppbV	1	2/3/2022 6:45:00 PM
Propylene	< 0.15	0.15		ppbV	1	2/3/2022 6:45:00 PM
Styrene	0.19	0.15		ppbV	1	2/3/2022 6:45:00 PM
Tetrachloroethylene	< 0.15	0.15		ppbV	1	2/3/2022 6:45:00 PM
Tetrahydrofuran	< 0.15	0.15		ppbV	1	2/3/2022 6:45:00 PM
Toluene	2.0	1.5		ppbV	10	2/4/2022 6:15:00 AM
trans-1,2-Dichloroethene	< 0.15	0.15		ppbV	1	2/3/2022 6:45:00 PM
trans-1,3-Dichloropropene	< 0.15	0.15		ppbV	1	2/3/2022 6:45:00 PM
Trichloroethene	< 0.030	0.030		ppbV	1	2/3/2022 6:45:00 PM
Vinyl acetate	< 0.15	0.15		ppbV	1	2/3/2022 6:45:00 PM
Vinyl Bromide	< 0.15	0.15		ppbV	1	2/3/2022 6:45:00 PM
Vinyl chloride	< 0.040	0.040		ppbV	1	2/3/2022 6:45:00 PM
Surr: Bromofluorobenzene	96.0	47-124		%REC	1	2/3/2022 6:45:00 PM

Qualifiers: SC Sub-Contracted
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 JN Non-routine analyte, Quantitation estimated.
 S Spike Recovery outside accepted recovery limits

Results reported are not blank corrected
 E Estimated Value above quantitation range
 J Analyte detected below quantitation limit
 ND Not Detected at the Limit of Detection
 DL Detection Limit

Page 6 of 14

Centek Laboratories, LLC

Date: 04-Feb-22

CLIENT: Matrix Environmental Technologies, Inc
 Lab Order: C2202013
 Project: Aquino 65-67 Lake Ave
 Lab ID: C2202013-003A

Client Sample ID: A1
 Tag Number: 1186,447
 Collection Date: 1/31/2022
 Matrix: AIR

Analyses	Result	DL	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		TO-15		Analyst: RJP		
1,1,1-Trichloroethane	< 0.82	0.82		ug/m3	1	2/3/2022 6:45:00 PM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		ug/m3	1	2/3/2022 6:45:00 PM
1,1,2-Trichloroethane	< 0.82	0.82		ug/m3	1	2/3/2022 6:45:00 PM
1,1-Dichloroethane	< 0.61	0.61		ug/m3	1	2/3/2022 6:45:00 PM
1,1-Dichloroethene	< 0.16	0.16		ug/m3	1	2/3/2022 6:45:00 PM
1,2,4-Trichlorobenzene	< 1.1	1.1		ug/m3	1	2/3/2022 6:45:00 PM
1,2,4-Trimethylbenzene	0.93	0.74		ug/m3	1	2/3/2022 6:45:00 PM
1,2-Dibromoethane	< 1.2	1.2		ug/m3	1	2/3/2022 6:45:00 PM
1,2-Dichlorobenzene	< 0.90	0.90		ug/m3	1	2/3/2022 6:45:00 PM
1,2-Dichloroethane	0.49	0.61	J	ug/m3	1	2/3/2022 6:45:00 PM
1,2-Dichloropropane	< 0.69	0.69		ug/m3	1	2/3/2022 6:45:00 PM
1,3,5-Trimethylbenzene	< 0.74	0.74		ug/m3	1	2/3/2022 6:45:00 PM
1,3-butadiene	< 0.33	0.33		ug/m3	1	2/3/2022 6:45:00 PM
1,3-Dichlorobenzene	< 0.90	0.90		ug/m3	1	2/3/2022 6:45:00 PM
1,4-Dichlorobenzene	1.0	0.90		ug/m3	1	2/3/2022 6:45:00 PM
1,4-Dioxane	< 1.1	1.1		ug/m3	1	2/3/2022 6:45:00 PM
2,2,4-trimethylpentane	0.84	0.70		ug/m3	1	2/3/2022 6:45:00 PM
4-ethyltoluene	< 0.74	0.74		ug/m3	1	2/3/2022 6:45:00 PM
Acetone	31	7.1		ug/m3	10	2/4/2022 6:15:00 AM
Allyl chloride	< 0.47	0.47		ug/m3	1	2/3/2022 6:45:00 PM
Benzene	3.7	0.48		ug/m3	1	2/3/2022 6:45:00 PM
Benzyl chloride	< 0.86	0.86		ug/m3	1	2/3/2022 6:45:00 PM
Bromodichloromethane	< 1.0	1.0		ug/m3	1	2/3/2022 6:45:00 PM
Bromoform	< 1.6	1.6		ug/m3	1	2/3/2022 6:45:00 PM
Bromomethane	< 0.58	0.58		ug/m3	1	2/3/2022 6:45:00 PM
Carbon disulfide	< 0.47	0.47		ug/m3	1	2/3/2022 6:45:00 PM
Carbon tetrachloride	0.44	0.19		ug/m3	1	2/3/2022 6:45:00 PM
Chlorobenzene	< 0.69	0.69		ug/m3	1	2/3/2022 6:45:00 PM
Chloroethane	< 0.40	0.40		ug/m3	1	2/3/2022 6:45:00 PM
Chloroform	2.4	0.73		ug/m3	1	2/3/2022 6:45:00 PM
Chloromethane	3.9	0.31		ug/m3	1	2/3/2022 6:45:00 PM
cis-1,2-Dichloroethene	< 0.16	0.16		ug/m3	1	2/3/2022 6:45:00 PM
cis-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	2/3/2022 6:45:00 PM
Cyclohexane	< 0.52	0.52		ug/m3	1	2/3/2022 6:45:00 PM
Dibromochloromethane	< 1.3	1.3		ug/m3	1	2/3/2022 6:45:00 PM
Ethyl acetate	4.9	0.54		ug/m3	1	2/3/2022 6:45:00 PM
Ethylbenzene	1.1	0.65		ug/m3	1	2/3/2022 6:45:00 PM
Freon 11	1.3	0.84		ug/m3	1	2/3/2022 6:45:00 PM
Freon 113	< 1.1	1.1		ug/m3	1	2/3/2022 6:45:00 PM
Freon 114	< 1.0	1.0		ug/m3	1	2/3/2022 6:45:00 PM

Qualifiers: SC Sub-Contracted
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 JN Non-routine analyte. Quantitation estimated.
 S Spike Recovery outside accepted recovery limits

, Results reported are not blank corrected
 E Estimated Value above quantitation range
 J Analyte detected below quantitation limit
 ND Not Detected at the Limit of Detection
 DL Detection Limit

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Centek Laboratories, LLC

Date: 04-Feb-22

CLIENT: Matrix Environmental Technologies, Inc
 Lab Order: C2202013
 Project: Aquino 65-67 Lake Ave
 Lab ID: C2202013-003A

Client Sample ID: A1
 Tag Number: 1186,447
 Collection Date: 1/31/2022
 Matrix: AIR

Analyses	Result	DL	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		TO-15		Analyst: RJP		
Freon 12	2.2	0.74		ug/m3	1	2/3/2022 6:45:00 PM
Heptane	1.7	0.61		ug/m3	1	2/3/2022 6:45:00 PM
Hexachloro-1,3-butadiene	< 1.6	1.6		ug/m3	1	2/3/2022 6:45:00 PM
Hexane	1.9	0.53		ug/m3	1	2/3/2022 6:45:00 PM
Isopropyl alcohol	< 0.37	0.37		ug/m3	1	2/3/2022 6:45:00 PM
m&p-Xylene	3.4	1.3		ug/m3	1	2/3/2022 6:45:00 PM
Methyl Butyl Ketone	< 1.2	1.2		ug/m3	1	2/3/2022 6:45:00 PM
Methyl Ethyl Ketone	3.2	0.88		ug/m3	1	2/3/2022 6:45:00 PM
Methyl Isobutyl Ketone	< 1.2	1.2		ug/m3	1	2/3/2022 6:45:00 PM
Methyl tert-butyl ether	< 0.54	0.54		ug/m3	1	2/3/2022 6:45:00 PM
Methylene chloride	0.73	0.52		ug/m3	1	2/3/2022 6:45:00 PM
o-Xylene	1.0	0.65		ug/m3	1	2/3/2022 6:45:00 PM
Propylene	< 0.26	0.26		ug/m3	1	2/3/2022 6:45:00 PM
Styrene	0.81	0.64		ug/m3	1	2/3/2022 6:45:00 PM
Tetrachloroethylene	< 1.0	1.0		ug/m3	1	2/3/2022 6:45:00 PM
Tetrahydrofuran	< 0.44	0.44		ug/m3	1	2/3/2022 6:45:00 PM
Toluene	7.5	5.7		ug/m3	10	2/4/2022 6:15:00 AM
trans-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	2/3/2022 6:45:00 PM
trans-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	2/3/2022 6:45:00 PM
Trichloroethene	< 0.16	0.16		ug/m3	1	2/3/2022 6:45:00 PM
Vinyl acetate	< 0.53	0.53		ug/m3	1	2/3/2022 6:45:00 PM
Vinyl Bromide	< 0.66	0.66		ug/m3	1	2/3/2022 6:45:00 PM
Vinyl chloride	< 0.10	0.10		ug/m3	1	2/3/2022 6:45:00 PM

Qualifiers: SC Sub-Contracted
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 JN Non-routine analyte. Quantitation estimated.
 S Spike Recovery outside accepted recovery limits

, Results reported are not blank corrected
 E Estimated Value above quantitation range
 J Analyte detected below quantitation limit
 ND Not Detected at the Limit of Detection
 DL Detection Limit

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Centek Laboratories, LLC

Date: 04-Feb-22

CLIENT: Matrix Environmental Technologies, Inc
 Lab Order: C2202013
 Project: Aquino 65-67 Lake Ave
 Lab ID: C2202013-004A

Client Sample ID: A2
 Tag Number: 1176,440
 Collection Date: 2/1/2022
 Matrix: AIR

Analyses	Result	DL	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		FLD		Analyst:		
Lab Vacuum In	-3			"Hg		2/3/2022
Lab Vacuum Out	-30			"Hg		2/3/2022
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		TO-15		Analyst: RJP		
1,1,1-Trichloroethane	< 0.15	0.15		ppbV	1	2/3/2022 7:29:00 PM
1,1,2,2-Tetrachloroethane	< 0.15	0.15		ppbV	1	2/3/2022 7:29:00 PM
1,1,2-Trichloroethane	< 0.15	0.15		ppbV	1	2/3/2022 7:29:00 PM
1,1-Dichloroethane	< 0.15	0.15		ppbV	1	2/3/2022 7:29:00 PM
1,1-Dichloroethene	< 0.040	0.040		ppbV	1	2/3/2022 7:29:00 PM
1,2,4-Trichlorobenzene	< 0.15	0.15		ppbV	1	2/3/2022 7:29:00 PM
1,2,4-Trimethylbenzene	0.13	0.15	J	ppbV	1	2/3/2022 7:29:00 PM
1,2-Dibromoethane	< 0.15	0.15		ppbV	1	2/3/2022 7:29:00 PM
1,2-Dichlorobenzene	< 0.15	0.15		ppbV	1	2/3/2022 7:29:00 PM
1,2-Dichloroethane	< 0.15	0.15		ppbV	1	2/3/2022 7:29:00 PM
1,2-Dichloropropane	< 0.15	0.15		ppbV	1	2/3/2022 7:29:00 PM
1,3,5-Trimethylbenzene	< 0.15	0.15		ppbV	1	2/3/2022 7:29:00 PM
1,3-butadiene	< 0.15	0.15		ppbV	1	2/3/2022 7:29:00 PM
1,3-Dichlorobenzene	< 0.15	0.15		ppbV	1	2/3/2022 7:29:00 PM
1,4-Dichlorobenzene	< 0.15	0.15		ppbV	1	2/3/2022 7:29:00 PM
1,4-Dioxane	< 0.30	0.30		ppbV	1	2/3/2022 7:29:00 PM
2,2,4-trimethylpentane	0.10	0.15	J	ppbV	1	2/3/2022 7:29:00 PM
4-ethyltoluene	< 0.15	0.15		ppbV	1	2/3/2022 7:29:00 PM
Acetone	16	3.0		ppbV	10	2/4/2022 6:58:00 AM
Allyl chloride	< 0.15	0.15		ppbV	1	2/3/2022 7:29:00 PM
Benzene	0.79	0.15		ppbV	1	2/3/2022 7:29:00 PM
Benzyl chloride	< 0.15	0.15		ppbV	1	2/3/2022 7:29:00 PM
Bromodichloromethane	< 0.15	0.15		ppbV	1	2/3/2022 7:29:00 PM
Bromofom	< 0.15	0.15		ppbV	1	2/3/2022 7:29:00 PM
Bromomethane	< 0.15	0.15		ppbV	1	2/3/2022 7:29:00 PM
Carbon disulfide	< 0.15	0.15		ppbV	1	2/3/2022 7:29:00 PM
Carbon tetrachloride	0.070	0.030		ppbV	1	2/3/2022 7:29:00 PM
Chlorobenzene	< 0.15	0.15		ppbV	1	2/3/2022 7:29:00 PM
Chloroethane	< 0.15	0.15		ppbV	1	2/3/2022 7:29:00 PM
Chloroform	0.12	0.15	J	ppbV	1	2/3/2022 7:29:00 PM
Chloromethane	< 0.15	0.15		ppbV	1	2/3/2022 7:29:00 PM
cis-1,2-Dichloroethene	< 0.040	0.040		ppbV	1	2/3/2022 7:29:00 PM
cis-1,3-Dichloropropene	< 0.15	0.15		ppbV	1	2/3/2022 7:29:00 PM
Cyclohexane	< 0.15	0.15		ppbV	1	2/3/2022 7:29:00 PM
Dibromochloromethane	< 0.15	0.15		ppbV	1	2/3/2022 7:29:00 PM
Ethyl acetate	0.49	0.15		ppbV	1	2/3/2022 7:29:00 PM

Qualifiers: SC Sub-Contracted
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 JN Non-routine analyte. Quantitation estimated.
 S Spike Recovery outside accepted recovery limits

Results reported are not blank corrected
 E Estimated Value above quantitation range
 J Analyte detected below quantitation limit
 ND Not Detected at the Limit of Detection
 DL Detection Limit

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Centek Laboratories, LLC

Date: 04-Feb-22

CLIENT: Matrix Environmental Technologies, Inc
 Lab Order: C2202013
 Project: Aquino 65-67 Lake Ave
 Lab ID: C2202013-004A

Client Sample ID: A2
 Tag Number: 1176,440
 Collection Date: 2/1/2022
 Matrix: AIR

Analyses	Result	DL	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		TO-15		Analyst: RJP		
Ethylbenzene	0.16	0.15		ppbV	1	2/3/2022 7:29:00 PM
Freon 11	0.19	0.15		ppbV	1	2/3/2022 7:29:00 PM
Freon 113	< 0.15	0.15		ppbV	1	2/3/2022 7:29:00 PM
Freon 114	< 0.15	0.15		ppbV	1	2/3/2022 7:29:00 PM
Freon 12	0.44	0.15		ppbV	1	2/3/2022 7:29:00 PM
Heptane	0.49	0.15		ppbV	1	2/3/2022 7:29:00 PM
Hexachloro-1,3-butadiene	< 0.15	0.15		ppbV	1	2/3/2022 7:29:00 PM
Hexane	0.41	0.15		ppbV	1	2/3/2022 7:29:00 PM
Isopropyl alcohol	7.8	1.5		ppbV	10	2/4/2022 6:58:00 AM
m&p-Xylene	0.44	0.30		ppbV	1	2/3/2022 7:29:00 PM
Methyl Butyl Ketone	< 0.30	0.30		ppbV	1	2/3/2022 7:29:00 PM
Methyl Ethyl Ketone	0.74	0.30		ppbV	1	2/3/2022 7:29:00 PM
Methyl Isobutyl Ketone	< 0.30	0.30		ppbV	1	2/3/2022 7:29:00 PM
Methyl tert-butyl ether	< 0.15	0.15		ppbV	1	2/3/2022 7:29:00 PM
Methylene chloride	0.35	0.15		ppbV	1	2/3/2022 7:29:00 PM
o-Xylene	0.15	0.15		ppbV	1	2/3/2022 7:29:00 PM
Propylene	< 0.15	0.15		ppbV	1	2/3/2022 7:29:00 PM
Styrene	0.14	0.15	J	ppbV	1	2/3/2022 7:29:00 PM
Tetrachloroethylene	< 0.15	0.15		ppbV	1	2/3/2022 7:29:00 PM
Tetrahydrofuran	< 0.15	0.15		ppbV	1	2/3/2022 7:29:00 PM
Toluene	1.6	0.15		ppbV	1	2/3/2022 7:29:00 PM
trans-1,2-Dichloroethene	< 0.15	0.15		ppbV	1	2/3/2022 7:29:00 PM
trans-1,3-Dichloropropene	< 0.15	0.15		ppbV	1	2/3/2022 7:29:00 PM
Trichloroethene	< 0.030	0.030		ppbV	1	2/3/2022 7:29:00 PM
Vinyl acetate	< 0.15	0.15		ppbV	1	2/3/2022 7:29:00 PM
Vinyl Bromide	< 0.15	0.15		ppbV	1	2/3/2022 7:29:00 PM
Vinyl chloride	< 0.040	0.040		ppbV	1	2/3/2022 7:29:00 PM
Surr: Bromofluorobenzene	97.0	47-124		%REC	1	2/3/2022 7:29:00 PM

Qualifiers: SC Sub-Contracted
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 JN Non-routine analyte. Quantitation estimated.
 S Spike Recovery outside accepted recovery limits

. Results reported are not blank corrected
 E Estimated Value above quantitation range
 J Analyte detected below quantitation limit
 ND Not Detected at the Limit of Detection
 DL Detection Limit

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Centek Laboratories, LLC

Date: 04-Feb-22

CLIENT: Matrix Environmental Technologies, Inc

Client Sample ID: A2

Lab Order: C2202013

Tag Number: 1176,440

Project: Aquino 65-67 Lake Ave

Collection Date: 2/1/2022

Lab ID: C2202013-004A

Matrix: AIR

Analyses	Result	DL	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		TO-15		Analyst: RJP		
1,1,1-Trichloroethane	< 0.82	0.82		ug/m3	1	2/3/2022 7:29:00 PM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		ug/m3	1	2/3/2022 7:29:00 PM
1,1,2-Trichloroethane	< 0.82	0.82		ug/m3	1	2/3/2022 7:29:00 PM
1,1-Dichloroethane	< 0.61	0.61		ug/m3	1	2/3/2022 7:29:00 PM
1,1-Dichloroethene	< 0.16	0.16		ug/m3	1	2/3/2022 7:29:00 PM
1,2,4-Trichlorobenzene	< 1.1	1.1		ug/m3	1	2/3/2022 7:29:00 PM
1,2,4-Trimethylbenzene	0.64	0.74	J	ug/m3	1	2/3/2022 7:29:00 PM
1,2-Dibromoethane	< 1.2	1.2		ug/m3	1	2/3/2022 7:29:00 PM
1,2-Dichlorobenzene	< 0.90	0.90		ug/m3	1	2/3/2022 7:29:00 PM
1,2-Dichloroethane	< 0.61	0.61		ug/m3	1	2/3/2022 7:29:00 PM
1,2-Dichloropropane	< 0.69	0.69		ug/m3	1	2/3/2022 7:29:00 PM
1,3,5-Trimethylbenzene	< 0.74	0.74		ug/m3	1	2/3/2022 7:29:00 PM
1,3-butadiene	< 0.33	0.33		ug/m3	1	2/3/2022 7:29:00 PM
1,3-Dichlorobenzene	< 0.90	0.90		ug/m3	1	2/3/2022 7:29:00 PM
1,4-Dichlorobenzene	< 0.90	0.90		ug/m3	1	2/3/2022 7:29:00 PM
1,4-Dioxane	< 1.1	1.1		ug/m3	1	2/3/2022 7:29:00 PM
2,2,4-trimethylpentane	0.47	0.70	J	ug/m3	1	2/3/2022 7:29:00 PM
4-ethyltoluene	< 0.74	0.74		ug/m3	1	2/3/2022 7:29:00 PM
Acetone	38	7.1		ug/m3	10	2/4/2022 6:58:00 AM
Allyl chloride	< 0.47	0.47		ug/m3	1	2/3/2022 7:29:00 PM
Benzene	2.5	0.48		ug/m3	1	2/3/2022 7:29:00 PM
Benzyl chloride	< 0.86	0.86		ug/m3	1	2/3/2022 7:29:00 PM
Bromodichloromethane	< 1.0	1.0		ug/m3	1	2/3/2022 7:29:00 PM
Bromoform	< 1.6	1.6		ug/m3	1	2/3/2022 7:29:00 PM
Bromomethane	< 0.58	0.58		ug/m3	1	2/3/2022 7:29:00 PM
Carbon disulfide	< 0.47	0.47		ug/m3	1	2/3/2022 7:29:00 PM
Carbon tetrachloride	0.44	0.19		ug/m3	1	2/3/2022 7:29:00 PM
Chlorobenzene	< 0.69	0.69		ug/m3	1	2/3/2022 7:29:00 PM
Chloroethane	< 0.40	0.40		ug/m3	1	2/3/2022 7:29:00 PM
Chloroform	0.59	0.73	J	ug/m3	1	2/3/2022 7:29:00 PM
Chloromethane	< 0.31	0.31		ug/m3	1	2/3/2022 7:29:00 PM
cis-1,2-Dichloroethene	< 0.16	0.16		ug/m3	1	2/3/2022 7:29:00 PM
cis-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	2/3/2022 7:29:00 PM
Cyclohexane	< 0.52	0.52		ug/m3	1	2/3/2022 7:29:00 PM
Dibromochloromethane	< 1.3	1.3		ug/m3	1	2/3/2022 7:29:00 PM
Ethyl acetate	1.8	0.54		ug/m3	1	2/3/2022 7:29:00 PM
Ethylbenzene	0.69	0.65		ug/m3	1	2/3/2022 7:29:00 PM
Freon 11	1.1	0.84		ug/m3	1	2/3/2022 7:29:00 PM
Freon 113	< 1.1	1.1		ug/m3	1	2/3/2022 7:29:00 PM
Freon 114	< 1.0	1.0		ug/m3	1	2/3/2022 7:29:00 PM

Qualifiers: SC Sub-Contracted
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 IN Non-routine analyte. Quantitation estimated.
 S Spike Recovery outside accepted recovery limits

Results reported are not blank corrected
 E Estimated Value above quantitation range
 J Analyte detected below quantitation limit
 ND Not Detected at the Limit of Detection
 DL Detection Limit

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Centek Laboratories, LLC

Date: 04-Feb-22

CLIENT: Matrix Environmental Technologies, Inc
 Lab Order: C2202013
 Project: Aquino 65-67 Lake Ave
 Lab ID: C2202013-004A

Client Sample ID: A2
 Tag Number: 1176,440
 Collection Date: 2/1/2022
 Matrix: AIR

Analyses	Result	DL	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		TO-15		Analyst: RJP		
Freon 12	2.2	0.74		ug/m3	1	2/3/2022 7:29:00 PM
Heptane	2.0	0.61		ug/m3	1	2/3/2022 7:29:00 PM
Hexachloro-1,3-butadiene	< 1.6	1.6		ug/m3	1	2/3/2022 7:29:00 PM
Hexane	1.4	0.53		ug/m3	1	2/3/2022 7:29:00 PM
Isopropyl alcohol	19	3.7		ug/m3	10	2/4/2022 6:58:00 AM
m&p-Xylene	1.9	1.3		ug/m3	1	2/3/2022 7:29:00 PM
Methyl Butyl Ketone	< 1.2	1.2		ug/m3	1	2/3/2022 7:29:00 PM
Methyl Ethyl Ketone	2.2	0.88		ug/m3	1	2/3/2022 7:29:00 PM
Methyl Isobutyl Ketone	< 1.2	1.2		ug/m3	1	2/3/2022 7:29:00 PM
Methyl tert-butyl ether	< 0.54	0.54		ug/m3	1	2/3/2022 7:29:00 PM
Methylene chloride	1.2	0.52		ug/m3	1	2/3/2022 7:29:00 PM
o-Xylene	0.65	0.65		ug/m3	1	2/3/2022 7:29:00 PM
Propylene	< 0.26	0.26		ug/m3	1	2/3/2022 7:29:00 PM
Styrene	0.60	0.64	J	ug/m3	1	2/3/2022 7:29:00 PM
Tetrachloroethylene	< 1.0	1.0		ug/m3	1	2/3/2022 7:29:00 PM
Tetrahydrofuran	< 0.44	0.44		ug/m3	1	2/3/2022 7:29:00 PM
Toluene	6.1	0.57		ug/m3	1	2/3/2022 7:29:00 PM
trans-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	2/3/2022 7:29:00 PM
trans-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	2/3/2022 7:29:00 PM
Trichloroethene	< 0.16	0.16		ug/m3	1	2/3/2022 7:29:00 PM
Vinyl acetate	< 0.53	0.53		ug/m3	1	2/3/2022 7:29:00 PM
Vinyl Bromide	< 0.66	0.66		ug/m3	1	2/3/2022 7:29:00 PM
Vinyl chloride	< 0.10	0.10		ug/m3	1	2/3/2022 7:29:00 PM

Qualifiers: SC Sub-Contracted
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 JN Non-routine analyte. Quantitation estimated.
 S Spike Recovery outside accepted recovery limits

. Results reported are not blank corrected
 E Estimated Value above quantitation range
 J Analyte detected below quantitation limit
 ND Not Detected at the Limit of Detection
 DL Detection Limit

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Centek Laboratories, LLC

Date: 04-Feb-22

CLIENT: Matrix Environmental Technologies, Inc
 Lab Order: C2202013
 Project: Aquino 65-67 Lake Ave
 Lab ID: C2202013-005A

Client Sample ID: A3
 Tag Number: 195,434
 Collection Date: 1/31/2022
 Matrix: AIR

Analyses	Result	DL	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		FLD		Analyst:		
Lab Vacuum In	-1			"Hg		2/3/2022
Lab Vacuum Out	-30			"Hg		2/3/2022
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		TO-15		Analyst: RJP		
1,1,1-Trichloroethane	< 0.15	0.15		ppbV	1	2/3/2022 8:13:00 PM
1,1,2,2-Tetrachloroethane	< 0.15	0.15		ppbV	1	2/3/2022 8:13:00 PM
1,1,2-Trichloroethane	< 0.15	0.15		ppbV	1	2/3/2022 8:13:00 PM
1,1-Dichloroethane	< 0.15	0.15		ppbV	1	2/3/2022 8:13:00 PM
1,1-Dichloroethene	< 0.040	0.040		ppbV	1	2/3/2022 8:13:00 PM
1,2,4-Trichlorobenzene	< 0.15	0.15		ppbV	1	2/3/2022 8:13:00 PM
1,2,4-Trimethylbenzene	< 0.15	0.15		ppbV	1	2/3/2022 8:13:00 PM
1,2-Dibromoethane	< 0.15	0.15		ppbV	1	2/3/2022 8:13:00 PM
1,2-Dichlorobenzene	< 0.15	0.15		ppbV	1	2/3/2022 8:13:00 PM
1,2-Dichloroethane	< 0.15	0.15		ppbV	1	2/3/2022 8:13:00 PM
1,2-Dichloropropane	< 0.15	0.15		ppbV	1	2/3/2022 8:13:00 PM
1,3,5-Trimethylbenzene	< 0.15	0.15		ppbV	1	2/3/2022 8:13:00 PM
1,3-butadiene	< 0.15	0.15		ppbV	1	2/3/2022 8:13:00 PM
1,3-Dichlorobenzene	< 0.15	0.15		ppbV	1	2/3/2022 8:13:00 PM
1,4-Dichlorobenzene	< 0.15	0.15		ppbV	1	2/3/2022 8:13:00 PM
1,4-Dioxane	< 0.30	0.30		ppbV	1	2/3/2022 8:13:00 PM
2,2,4-trimethylpentane	0.12	0.15	J	ppbV	1	2/3/2022 8:13:00 PM
4-ethyltoluene	< 0.15	0.15		ppbV	1	2/3/2022 8:13:00 PM
Acetone	45	12		ppbV	40	2/4/2022 8:23:00 AM
Allyl chloride	< 0.15	0.15		ppbV	1	2/3/2022 8:13:00 PM
Benzene	0.38	0.15		ppbV	1	2/3/2022 8:13:00 PM
Benzyl chloride	< 0.15	0.15		ppbV	1	2/3/2022 8:13:00 PM
Bromodichloromethane	< 0.15	0.15		ppbV	1	2/3/2022 8:13:00 PM
Bromoform	< 0.15	0.15		ppbV	1	2/3/2022 8:13:00 PM
Bromomethane	< 0.15	0.15		ppbV	1	2/3/2022 8:13:00 PM
Carbon disulfide	0.10	0.15	J	ppbV	1	2/3/2022 8:13:00 PM
Carbon tetrachloride	0.090	0.030		ppbV	1	2/3/2022 8:13:00 PM
Chlorobenzene	< 0.15	0.15		ppbV	1	2/3/2022 8:13:00 PM
Chloroethane	< 0.15	0.15		ppbV	1	2/3/2022 8:13:00 PM
Chloroform	1.1	0.15		ppbV	1	2/3/2022 8:13:00 PM
Chloromethane	< 0.15	0.15		ppbV	1	2/3/2022 8:13:00 PM
cis-1,2-Dichloroethene	< 0.040	0.040		ppbV	1	2/3/2022 8:13:00 PM
cis-1,3-Dichloropropene	< 0.15	0.15		ppbV	1	2/3/2022 8:13:00 PM
Cyclohexane	< 0.15	0.15		ppbV	1	2/3/2022 8:13:00 PM
Dibromochloromethane	< 0.15	0.15		ppbV	1	2/3/2022 8:13:00 PM
Ethyl acetate	0.38	0.15		ppbV	1	2/3/2022 8:13:00 PM

Qualifiers: SC Sub-Contracted
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 JN Non-routine analyte, Quantitation estimated.
 S Spike Recovery outside accepted recovery limits

Results reported are not blank corrected
 E Estimated Value above quantitation range
 J Analyte detected below quantitation limit
 ND Not Detected at the Limit of Detection
 DL Detection Limit

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Centek Laboratories, LLC

Date: 04-Feb-22

CLIENT: Matrix Environmental Technologies, Inc
 Lab Order: C2202013
 Project: Aquino 65-67 Lake Ave
 Lab ID: C2202013-005A

Client Sample ID: A3
 Tag Number: 195,434
 Collection Date: 1/31/2022
 Matrix: AIR

Analyses	Result	DL	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE			TO-15			Analyst: RJP
Ethylbenzene	0.10	0.15	J	ppbV	1	2/3/2022 8:13:00 PM
Freon 11	0.20	0.15		ppbV	1	2/3/2022 8:13:00 PM
Freon 113	< 0.15	0.15		ppbV	1	2/3/2022 8:13:00 PM
Freon 114	< 0.15	0.15		ppbV	1	2/3/2022 8:13:00 PM
Freon 12	0.47	0.15		ppbV	1	2/3/2022 8:13:00 PM
Heptane	0.27	0.15		ppbV	1	2/3/2022 8:13:00 PM
Hexachloro-1,3-butadiene	< 0.15	0.15		ppbV	1	2/3/2022 8:13:00 PM
Hexane	0.36	0.15		ppbV	1	2/3/2022 8:13:00 PM
Isopropyl alcohol	< 0.15	0.15		ppbV	1	2/3/2022 8:13:00 PM
m&p-Xylene	0.32	0.30		ppbV	1	2/3/2022 8:13:00 PM
Methyl Butyl Ketone	< 0.30	0.30		ppbV	1	2/3/2022 8:13:00 PM
Methyl Ethyl Ketone	0.68	0.30		ppbV	1	2/3/2022 8:13:00 PM
Methyl Isobutyl Ketone	< 0.30	0.30		ppbV	1	2/3/2022 8:13:00 PM
Methyl tert-butyl ether	< 0.15	0.15		ppbV	1	2/3/2022 8:13:00 PM
Methylene chloride	0.29	0.15		ppbV	1	2/3/2022 8:13:00 PM
o-Xylene	0.12	0.15	J	ppbV	1	2/3/2022 8:13:00 PM
Propylene	< 0.15	0.15		ppbV	1	2/3/2022 8:13:00 PM
Styrene	< 0.15	0.15		ppbV	1	2/3/2022 8:13:00 PM
Tetrachloroethylene	0.21	0.15		ppbV	1	2/3/2022 8:13:00 PM
Tetrahydrofuran	< 0.15	0.15		ppbV	1	2/3/2022 8:13:00 PM
Toluene	0.82	0.15		ppbV	1	2/3/2022 8:13:00 PM
trans-1,2-Dichloroethene	< 0.15	0.15		ppbV	1	2/3/2022 8:13:00 PM
trans-1,3-Dichloropropene	< 0.15	0.15		ppbV	1	2/3/2022 8:13:00 PM
Trichloroethene	0.030	0.030		ppbV	1	2/3/2022 8:13:00 PM
Vinyl acetate	< 0.15	0.15		ppbV	1	2/3/2022 8:13:00 PM
Vinyl Bromide	< 0.15	0.15		ppbV	1	2/3/2022 8:13:00 PM
Vinyl chloride	< 0.040	0.040		ppbV	1	2/3/2022 8:13:00 PM
Surr: Bromofluorobenzene	93.0	47-124		%REC	1	2/3/2022 8:13:00 PM

Qualifiers: SC Sub-Contracted
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 JN Non-routine analyte. Quantitation estimated.
 S Spike Recovery outside accepted recovery limits

Results reported are not blank corrected
 E Estimated Value above quantitation range
 J Analyte detected below quantitation limit
 ND Not Detected at the Limit of Detection
 DL Detection Limit

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Centek Laboratories, LLC

Date: 04-Feb-22

CLIENT: Matrix Environmental Technologies, Inc
 Lab Order: C2202013
 Project: Aquino 65-67 Lake Ave
 Lab ID: C2202013-005A

Client Sample ID: A3
 Tag Number: 195,434
 Collection Date: 1/31/2022
 Matrix: AIR

Analyses	Result	DL	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		TO-15		Analyst: RJP		
1,1,1-Trichloroethane	< 0.82	0.82		ug/m3	1	2/3/2022 8:13:00 PM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		ug/m3	1	2/3/2022 8:13:00 PM
1,1,2-Trichloroethane	< 0.82	0.82		ug/m3	1	2/3/2022 8:13:00 PM
1,1-Dichloroethane	< 0.61	0.61		ug/m3	1	2/3/2022 8:13:00 PM
1,1-Dichloroethene	< 0.16	0.16		ug/m3	1	2/3/2022 8:13:00 PM
1,2,4-Trichlorobenzene	< 1.1	1.1		ug/m3	1	2/3/2022 8:13:00 PM
1,2,4-Trimethylbenzene	< 0.74	0.74		ug/m3	1	2/3/2022 8:13:00 PM
1,2-Dibromoethane	< 1.2	1.2		ug/m3	1	2/3/2022 8:13:00 PM
1,2-Dichlorobenzene	< 0.90	0.90		ug/m3	1	2/3/2022 8:13:00 PM
1,2-Dichloroethane	< 0.61	0.61		ug/m3	1	2/3/2022 8:13:00 PM
1,2-Dichloropropane	< 0.69	0.69		ug/m3	1	2/3/2022 8:13:00 PM
1,3,5-Trimethylbenzene	< 0.74	0.74		ug/m3	1	2/3/2022 8:13:00 PM
1,3-butadiene	< 0.33	0.33		ug/m3	1	2/3/2022 8:13:00 PM
1,3-Dichlorobenzene	< 0.90	0.90		ug/m3	1	2/3/2022 8:13:00 PM
1,4-Dichlorobenzene	< 0.90	0.90		ug/m3	1	2/3/2022 8:13:00 PM
1,4-Dioxane	< 1.1	1.1		ug/m3	1	2/3/2022 8:13:00 PM
2,2,4-trimethylpentane	0.56	0.70	J	ug/m3	1	2/3/2022 8:13:00 PM
4-ethyltoluene	< 0.74	0.74		ug/m3	1	2/3/2022 8:13:00 PM
Acetone	110	28		ug/m3	40	2/4/2022 8:23:00 AM
Allyl chloride	< 0.47	0.47		ug/m3	1	2/3/2022 8:13:00 PM
Benzene	1.2	0.48		ug/m3	1	2/3/2022 8:13:00 PM
Benzyl chloride	< 0.86	0.86		ug/m3	1	2/3/2022 8:13:00 PM
Bromodichloromethane	< 1.0	1.0		ug/m3	1	2/3/2022 8:13:00 PM
Bromoform	< 1.6	1.6		ug/m3	1	2/3/2022 8:13:00 PM
Bromomethane	< 0.58	0.58		ug/m3	1	2/3/2022 8:13:00 PM
Carbon disulfide	0.31	0.47	J	ug/m3	1	2/3/2022 8:13:00 PM
Carbon tetrachloride	0.57	0.19		ug/m3	1	2/3/2022 8:13:00 PM
Chlorobenzene	< 0.69	0.69		ug/m3	1	2/3/2022 8:13:00 PM
Chloroethane	< 0.40	0.40		ug/m3	1	2/3/2022 8:13:00 PM
Chloroform	5.5	0.73		ug/m3	1	2/3/2022 8:13:00 PM
Chloromethane	< 0.31	0.31		ug/m3	1	2/3/2022 8:13:00 PM
cis-1,2-Dichloroethene	< 0.16	0.16		ug/m3	1	2/3/2022 8:13:00 PM
cis-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	2/3/2022 8:13:00 PM
Cyclohexane	< 0.52	0.52		ug/m3	1	2/3/2022 8:13:00 PM
Dibromochloromethane	< 1.3	1.3		ug/m3	1	2/3/2022 8:13:00 PM
Ethyl acetate	1.4	0.54		ug/m3	1	2/3/2022 8:13:00 PM
Ethylbenzene	0.43	0.65	J	ug/m3	1	2/3/2022 8:13:00 PM
Freon 11	1.1	0.84		ug/m3	1	2/3/2022 8:13:00 PM
Freon 113	< 1.1	1.1		ug/m3	1	2/3/2022 8:13:00 PM
Freon 114	< 1.0	1.0		ug/m3	1	2/3/2022 8:13:00 PM

Qualifiers: SC Sub-Contracted
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 JN Non-routine analyte. Quantitation estimated.
 S Spike Recovery outside accepted recovery limits

. Results reported are not blank corrected
 E Estimated Value above quantitation range
 J Analyte detected below quantitation limit
 ND Not Detected at the Limit of Detection
 DL Detection Limit

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Centek Laboratories, LLC

Date: 04-Feb-22

CLIENT: Matrix Environmental Technologies, Inc
 Lab Order: C2202013
 Project: Aquino 65-67 Lake Ave
 Lab ID: C2202013-005A

Client Sample ID: A3
 Tag Number: 195,434
 Collection Date: 1/31/2022
 Matrix: AIR

Analyses	Result	DL	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		TO-15		Analyst: RJP		
Freon 12	2.3	0.74		ug/m3	1	2/3/2022 8:13:00 PM
Heptane	1.1	0.61		ug/m3	1	2/3/2022 8:13:00 PM
Hexachloro-1,3-butadiene	< 1.6	1.6		ug/m3	1	2/3/2022 8:13:00 PM
Hexane	1.3	0.53		ug/m3	1	2/3/2022 8:13:00 PM
Isopropyl alcohol	< 0.37	0.37		ug/m3	1	2/3/2022 8:13:00 PM
m&p-Xylene	1.4	1.3		ug/m3	1	2/3/2022 8:13:00 PM
Methyl Butyl Ketone	< 1.2	1.2		ug/m3	1	2/3/2022 8:13:00 PM
Methyl Ethyl Ketone	2.0	0.88		ug/m3	1	2/3/2022 8:13:00 PM
Methyl Isobutyl Ketone	< 1.2	1.2		ug/m3	1	2/3/2022 8:13:00 PM
Methyl tert-butyl ether	< 0.54	0.54		ug/m3	1	2/3/2022 8:13:00 PM
Methylene chloride	1.0	0.52		ug/m3	1	2/3/2022 8:13:00 PM
o-Xylene	0.52	0.65	J	ug/m3	1	2/3/2022 8:13:00 PM
Propylene	< 0.26	0.26		ug/m3	1	2/3/2022 8:13:00 PM
Styrene	< 0.64	0.64		ug/m3	1	2/3/2022 8:13:00 PM
Tetrachloroethylene	1.4	1.0		ug/m3	1	2/3/2022 8:13:00 PM
Tetrahydrofuran	< 0.44	0.44		ug/m3	1	2/3/2022 8:13:00 PM
Toluene	3.1	0.57		ug/m3	1	2/3/2022 8:13:00 PM
trans-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	2/3/2022 8:13:00 PM
trans-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	2/3/2022 8:13:00 PM
Trichloroethene	0.16	0.16		ug/m3	1	2/3/2022 8:13:00 PM
Vinyl acetate	< 0.53	0.53		ug/m3	1	2/3/2022 8:13:00 PM
Vinyl Bromide	< 0.66	0.66		ug/m3	1	2/3/2022 8:13:00 PM
Vinyl chloride	< 0.10	0.10		ug/m3	1	2/3/2022 8:13:00 PM

Qualifiers: SC Sub-Contracted
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 JN Non-routine analyte. Quantitation estimated.
 S Spike Recovery outside accepted recovery limits

. Results reported are not blank corrected
 E Estimated Value above quantitation range
 J Analyte detected below quantitation limit
 ND Not Detected at the Limit of Detection
 DL Detection Limit

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Centek Laboratories, LLC

Date: 04-Feb-22

CLIENT: Matrix Environmental Technologies, Inc
 Lab Order: C2202013
 Project: Aquino 65-67 Lake Ave
 Lab ID: C2202013-006A

Client Sample ID: A4
 Tag Number: 88,146
 Collection Date: 1/31/2022
 Matrix: AIR

Analyses	Result	DL	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		FLD		Analyst:		
Lab Vacuum In	-1			"Hg		2/3/2022
Lab Vacuum Out	-30			"Hg		2/3/2022
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		TO-15		Analyst: RJP		
1,1,1-Trichloroethane	< 0.15	0.15		ppbV	1	2/3/2022 8:58:00 PM
1,1,2,2-Tetrachloroethane	< 0.15	0.15		ppbV	1	2/3/2022 8:58:00 PM
1,1,2-Trichloroethane	< 0.15	0.15		ppbV	1	2/3/2022 8:58:00 PM
1,1-Dichloroethane	< 0.15	0.15		ppbV	1	2/3/2022 8:58:00 PM
1,1-Dichloroethene	< 0.040	0.040		ppbV	1	2/3/2022 8:58:00 PM
1,2,4-Trichlorobenzene	< 0.15	0.15		ppbV	1	2/3/2022 8:58:00 PM
1,2,4-Trimethylbenzene	0.11	0.15	J	ppbV	1	2/3/2022 8:58:00 PM
1,2-Dibromoethane	< 0.15	0.15		ppbV	1	2/3/2022 8:58:00 PM
1,2-Dichlorobenzene	< 0.15	0.15		ppbV	1	2/3/2022 8:58:00 PM
1,2-Dichloroethane	< 0.15	0.15		ppbV	1	2/3/2022 8:58:00 PM
1,2-Dichloropropane	< 0.15	0.15		ppbV	1	2/3/2022 8:58:00 PM
1,3,5-Trimethylbenzene	< 0.15	0.15		ppbV	1	2/3/2022 8:58:00 PM
1,3-butadiene	< 0.15	0.15		ppbV	1	2/3/2022 8:58:00 PM
1,3-Dichlorobenzene	< 0.15	0.15		ppbV	1	2/3/2022 8:58:00 PM
1,4-Dichlorobenzene	0.11	0.15	J	ppbV	1	2/3/2022 8:58:00 PM
1,4-Dioxane	< 0.30	0.30		ppbV	1	2/3/2022 8:58:00 PM
2,2,4-trimethylpentane	0.14	0.15	J	ppbV	1	2/3/2022 8:58:00 PM
4-ethyltoluene	< 0.15	0.15		ppbV	1	2/3/2022 8:58:00 PM
Acetone	12	3.0		ppbV	10	2/4/2022 12:06:00 PM
Allyl chloride	< 0.15	0.15		ppbV	1	2/3/2022 8:58:00 PM
Benzene	0.40	0.15		ppbV	1	2/3/2022 8:58:00 PM
Benzyl chloride	< 0.15	0.15		ppbV	1	2/3/2022 8:58:00 PM
Bromodichloromethane	< 0.15	0.15		ppbV	1	2/3/2022 8:58:00 PM
Bromoform	< 0.15	0.15		ppbV	1	2/3/2022 8:58:00 PM
Bromomethane	< 0.15	0.15		ppbV	1	2/3/2022 8:58:00 PM
Carbon disulfide	< 0.15	0.15		ppbV	1	2/3/2022 8:58:00 PM
Carbon tetrachloride	0.080	0.030		ppbV	1	2/3/2022 8:58:00 PM
Chlorobenzene	< 0.15	0.15		ppbV	1	2/3/2022 8:58:00 PM
Chloroethane	< 0.15	0.15		ppbV	1	2/3/2022 8:58:00 PM
Chloroform	0.10	0.15	J	ppbV	1	2/3/2022 8:58:00 PM
Chloromethane	0.48	0.15		ppbV	1	2/3/2022 8:58:00 PM
cis-1,2-Dichloroethene	< 0.040	0.040		ppbV	1	2/3/2022 8:58:00 PM
cis-1,3-Dichloropropene	< 0.15	0.15		ppbV	1	2/3/2022 8:58:00 PM
Cyclohexane	< 0.15	0.15		ppbV	1	2/3/2022 8:58:00 PM
Dibromochloromethane	< 0.15	0.15		ppbV	1	2/3/2022 8:58:00 PM
Ethyl acetate	0.25	0.15		ppbV	1	2/3/2022 8:58:00 PM

Qualifiers: SC Sub-Contracted
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 JN Non-routine analyte. Quantitation estimated.
 S Spike Recovery outside accepted recovery limits

Results reported are not blank corrected
 E Estimated Value above quantitation range
 J Analyte detected below quantitation limit
 ND Not Detected at the Limit of Detection
 DL Detection Limit

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Centek Laboratories, LLC

Date: 04-Feb-22

CLIENT: Matrix Environmental Technologies, Inc

Client Sample ID: A4

Lab Order: C2202013

Tag Number: 88,146

Project: Aquino 65-67 Lake Ave

Collection Date: 1/31/2022

Lab ID: C2202013-006A

Matrix: AIR

Analyses	Result	DL	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		TO-15		Analyst: RJP		
Ethylbenzene	0.13	0.15	J	ppbV	1	2/3/2022 8:58:00 PM
Freon 11	0.20	0.15		ppbV	1	2/3/2022 8:58:00 PM
Freon 113	< 0.15	0.15		ppbV	1	2/3/2022 8:58:00 PM
Freon 114	< 0.15	0.15		ppbV	1	2/3/2022 8:58:00 PM
Freon 12	0.47	0.15		ppbV	1	2/3/2022 8:58:00 PM
Heptane	0.26	0.15		ppbV	1	2/3/2022 8:58:00 PM
Hexachloro-1,3-butadiene	< 0.15	0.15		ppbV	1	2/3/2022 8:58:00 PM
Hexane	0.39	0.15		ppbV	1	2/3/2022 8:58:00 PM
Isopropyl alcohol	3.0	1.5		ppbV	10	2/4/2022 12:06:00 PM
m&p-Xylene	0.42	0.30		ppbV	1	2/3/2022 8:58:00 PM
Methyl Butyl Ketone	< 0.30	0.30		ppbV	1	2/3/2022 8:58:00 PM
Methyl Ethyl Ketone	0.29	0.30	J	ppbV	1	2/3/2022 8:58:00 PM
Methyl Isobutyl Ketone	< 0.30	0.30		ppbV	1	2/3/2022 8:58:00 PM
Methyl tert-butyl ether	< 0.15	0.15		ppbV	1	2/3/2022 8:58:00 PM
Methylene chloride	0.16	0.15		ppbV	1	2/3/2022 8:58:00 PM
o-Xylene	0.13	0.15	J	ppbV	1	2/3/2022 8:58:00 PM
Propylene	< 0.15	0.15		ppbV	1	2/3/2022 8:58:00 PM
Styrene	< 0.15	0.15		ppbV	1	2/3/2022 8:58:00 PM
Tetrachloroethylene	0.11	0.15	J	ppbV	1	2/3/2022 8:58:00 PM
Tetrahydrofuran	< 0.15	0.15		ppbV	1	2/3/2022 8:58:00 PM
Toluene	1.1	0.15		ppbV	1	2/3/2022 8:58:00 PM
trans-1,2-Dichloroethene	< 0.15	0.15		ppbV	1	2/3/2022 8:58:00 PM
trans-1,3-Dichloropropene	< 0.15	0.15		ppbV	1	2/3/2022 8:58:00 PM
Trichloroethene	< 0.030	0.030		ppbV	1	2/3/2022 8:58:00 PM
Vinyl acetate	< 0.15	0.15		ppbV	1	2/3/2022 8:58:00 PM
Vinyl Bromide	< 0.15	0.15		ppbV	1	2/3/2022 8:58:00 PM
Vinyl chloride	< 0.040	0.040		ppbV	1	2/3/2022 8:58:00 PM
Surr: Bromofluorobenzene	94.0	47-124		%REC	1	2/3/2022 8:58:00 PM

Qualifiers: SC Sub-Contracted
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 JN Non-routine analyte. Quantitation estimated.
 S Spike Recovery outside accepted recovery limits

Results reported are not blank corrected
 E Estimated Value above quantitation range
 J Analyte detected below quantitation limit
 ND Not Detected at the Limit of Detection
 DL Detection Limit

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Centek Laboratories, LLC

Date: 04-Feb-22

CLIENT: Matrix Environmental Technologies, Inc
 Lab Order: C2202013
 Project: Aquino 65-67 Lake Ave
 Lab ID: C2202013-006A

Client Sample ID: A4
 Tag Number: 88,146
 Collection Date: 1/31/2022
 Matrix: AIR

Analyses	Result	DL	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		TO-15		Analyst: RJP		
1,1,1-Trichloroethane	< 0.82	0.82		ug/m3	1	2/3/2022 8:58:00 PM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		ug/m3	1	2/3/2022 8:58:00 PM
1,1,2-Trichloroethane	< 0.82	0.82		ug/m3	1	2/3/2022 8:58:00 PM
1,1-Dichloroethane	< 0.61	0.61		ug/m3	1	2/3/2022 8:58:00 PM
1,1-Dichloroethene	< 0.16	0.16		ug/m3	1	2/3/2022 8:58:00 PM
1,2,4-Trichlorobenzene	< 1.1	1.1		ug/m3	1	2/3/2022 8:58:00 PM
1,2,4-Trimethylbenzene	0.54	0.74	J	ug/m3	1	2/3/2022 8:58:00 PM
1,2-Dibromoethane	< 1.2	1.2		ug/m3	1	2/3/2022 8:58:00 PM
1,2-Dichlorobenzene	< 0.90	0.90		ug/m3	1	2/3/2022 8:58:00 PM
1,2-Dichloroethane	< 0.61	0.61		ug/m3	1	2/3/2022 8:58:00 PM
1,2-Dichloropropane	< 0.69	0.69		ug/m3	1	2/3/2022 8:58:00 PM
1,3,5-Trimethylbenzene	< 0.74	0.74		ug/m3	1	2/3/2022 8:58:00 PM
1,3-butadiene	< 0.33	0.33		ug/m3	1	2/3/2022 8:58:00 PM
1,3-Dichlorobenzene	< 0.90	0.90		ug/m3	1	2/3/2022 8:58:00 PM
1,4-Dichlorobenzene	0.86	0.90	J	ug/m3	1	2/3/2022 8:58:00 PM
1,4-Dioxane	< 1.1	1.1		ug/m3	1	2/3/2022 8:58:00 PM
2,2,4-trimethylpentane	0.65	0.70	J	ug/m3	1	2/3/2022 8:58:00 PM
4-ethyltoluene	< 0.74	0.74		ug/m3	1	2/3/2022 8:58:00 PM
Acetone	29	7.1		ug/m3	10	2/4/2022 12:06:00 PM
Allyl chloride	< 0.47	0.47		ug/m3	1	2/3/2022 8:58:00 PM
Benzene	1.3	0.48		ug/m3	1	2/3/2022 8:58:00 PM
Benzyl chloride	< 0.86	0.86		ug/m3	1	2/3/2022 8:58:00 PM
Bromodichloromethane	< 1.0	1.0		ug/m3	1	2/3/2022 8:58:00 PM
Bromoform	< 1.6	1.6		ug/m3	1	2/3/2022 8:58:00 PM
Bromomethane	< 0.58	0.58		ug/m3	1	2/3/2022 8:58:00 PM
Carbon disulfide	< 0.47	0.47		ug/m3	1	2/3/2022 8:58:00 PM
Carbon tetrachloride	0.50	0.19		ug/m3	1	2/3/2022 8:58:00 PM
Chlorobenzene	< 0.69	0.69		ug/m3	1	2/3/2022 8:58:00 PM
Chloroethane	< 0.40	0.40		ug/m3	1	2/3/2022 8:58:00 PM
Chloroform	0.49	0.73	J	ug/m3	1	2/3/2022 8:58:00 PM
Chloromethane	0.99	0.31		ug/m3	1	2/3/2022 8:58:00 PM
cis-1,2-Dichloroethane	< 0.16	0.16		ug/m3	1	2/3/2022 8:58:00 PM
cis-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	2/3/2022 8:58:00 PM
Cyclohexane	< 0.52	0.52		ug/m3	1	2/3/2022 8:58:00 PM
Dibromochloromethane	< 1.3	1.3		ug/m3	1	2/3/2022 8:58:00 PM
Ethyl acetate	0.90	0.54		ug/m3	1	2/3/2022 8:58:00 PM
Ethylbenzene	0.56	0.65	J	ug/m3	1	2/3/2022 8:58:00 PM
Freon 11	1.1	0.84		ug/m3	1	2/3/2022 8:58:00 PM
Freon 113	< 1.1	1.1		ug/m3	1	2/3/2022 8:58:00 PM
Freon 114	< 1.0	1.0		ug/m3	1	2/3/2022 8:58:00 PM

Qualifiers: SC Sub-Contracted
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 IN Non-routine analyte. Quantitation estimated.
 S Spike Recovery outside accepted recovery limits

Results reported are not blank corrected
 E Estimated Value above quantitation range
 J Analyte detected below quantitation limit
 ND Not Detected at the Limit of Detection
 DL Detection Limit

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Centek Laboratories, LLC

Date: 04-Feb-22

CLIENT: Matrix Environmental Technologies, Inc
 Lab Order: C2202013
 Project: Aquino 65-67 Lake Ave
 Lab ID: C2202013-006A

Client Sample ID: A4
 Tag Number: 88,146
 Collection Date: 1/31/2022
 Matrix: AIR

Analyses	Result	DL	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		TO-15		Analyst: RJP		
Freon 12	2.3	0.74		ug/m3	1	2/3/2022 8:58:00 PM
Heptane	1.1	0.61		ug/m3	1	2/3/2022 8:58:00 PM
Hexachloro-1,3-butadiene	< 1.6	1.6		ug/m3	1	2/3/2022 8:58:00 PM
Hexane	1.4	0.53		ug/m3	1	2/3/2022 8:58:00 PM
Isopropyl alcohol	7.4	3.7		ug/m3	10	2/4/2022 12:06:00 PM
m&p-Xylene	1.8	1.3		ug/m3	1	2/3/2022 8:58:00 PM
Methyl Butyl Ketone	< 1.2	1.2		ug/m3	1	2/3/2022 8:58:00 PM
Methyl Ethyl Ketone	0.86	0.88	J	ug/m3	1	2/3/2022 8:58:00 PM
Methyl Isobutyl Ketone	< 1.2	1.2		ug/m3	1	2/3/2022 8:58:00 PM
Methyl tert-butyl ether	< 0.54	0.54		ug/m3	1	2/3/2022 8:58:00 PM
Methylene chloride	0.56	0.52		ug/m3	1	2/3/2022 8:58:00 PM
o-Xylene	0.56	0.65	J	ug/m3	1	2/3/2022 8:58:00 PM
Propylene	< 0.26	0.26		ug/m3	1	2/3/2022 8:58:00 PM
Styrene	< 0.64	0.64		ug/m3	1	2/3/2022 8:58:00 PM
Tetrachloroethylene	0.75	1.0	J	ug/m3	1	2/3/2022 8:58:00 PM
Tetrahydrofuran	< 0.44	0.44		ug/m3	1	2/3/2022 8:58:00 PM
Toluene	4.0	0.57		ug/m3	1	2/3/2022 8:58:00 PM
trans-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	2/3/2022 8:58:00 PM
trans-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	2/3/2022 8:58:00 PM
Trichloroethene	< 0.16	0.16		ug/m3	1	2/3/2022 8:58:00 PM
Vinyl acetate	< 0.53	0.53		ug/m3	1	2/3/2022 8:58:00 PM
Vinyl Bromide	< 0.66	0.66		ug/m3	1	2/3/2022 8:58:00 PM
Vinyl chloride	< 0.10	0.10		ug/m3	1	2/3/2022 8:58:00 PM

Qualifiers: SC Sub-Contracted
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 JN Non-routine analyte. Quantitation estimated.
 S Spike Recovery outside accepted recovery limits

Results reported are not blank corrected
 E Estimated Value above quantitation range
 J Analyte detected below quantitation limit
 ND Not Detected at the Limit of Detection
 DL Detection Limit

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Centek Laboratories, LLC

Date: 04-Feb-22

CLIENT: Matrix Environmental Technologies, Inc

Client Sample ID: A4 Dupe

Lab Order: C2202013

Tag Number: 98,146

Project: Aquino 65-67 Lake Ave

Collection Date: 1/31/2022

Lab ID: C2202013-007A

Matrix: AIR

Analyses	Result	DL	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		FLD		Analyst:		
Lab Vacuum In	-1			"Hg		2/3/2022
Lab Vacuum Out	-30			"Hg		2/3/2022
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		TO-15		Analyst: RJP		
1,1,1-Trichloroethane	< 0.15	0.15		ppbV	1	2/3/2022 9:42:00 PM
1,1,2,2-Tetrachloroethane	< 0.15	0.15		ppbV	1	2/3/2022 9:42:00 PM
1,1,2-Trichloroethane	< 0.15	0.15		ppbV	1	2/3/2022 9:42:00 PM
1,1-Dichloroethane	< 0.15	0.15		ppbV	1	2/3/2022 9:42:00 PM
1,1-Dichloroethene	< 0.040	0.040		ppbV	1	2/3/2022 9:42:00 PM
1,2,4-Trichlorobenzene	< 0.15	0.15		ppbV	1	2/3/2022 9:42:00 PM
1,2,4-Trimethylbenzene	0.11	0.15	J	ppbV	1	2/3/2022 9:42:00 PM
1,2-Dibromoethane	< 0.15	0.15		ppbV	1	2/3/2022 9:42:00 PM
1,2-Dichlorobenzene	< 0.15	0.15		ppbV	1	2/3/2022 9:42:00 PM
1,2-Dichloroethane	< 0.15	0.15		ppbV	1	2/3/2022 9:42:00 PM
1,2-Dichloropropane	< 0.15	0.15		ppbV	1	2/3/2022 9:42:00 PM
1,3,5-Trimethylbenzene	< 0.15	0.15		ppbV	1	2/3/2022 9:42:00 PM
1,3-butadiene	< 0.15	0.15		ppbV	1	2/3/2022 9:42:00 PM
1,3-Dichlorobenzene	< 0.15	0.15		ppbV	1	2/3/2022 9:42:00 PM
1,4-Dichlorobenzene	< 0.15	0.15		ppbV	1	2/3/2022 9:42:00 PM
1,4-Dioxane	< 0.30	0.30		ppbV	1	2/3/2022 9:42:00 PM
2,2,4-trimethylpentane	0.13	0.15	J	ppbV	1	2/3/2022 9:42:00 PM
4-ethyltoluene	< 0.15	0.15		ppbV	1	2/3/2022 9:42:00 PM
Acetone	11	3.0		ppbV	10	2/4/2022 12:49:00 PM
Allyl chloride	< 0.15	0.15		ppbV	1	2/3/2022 9:42:00 PM
Benzene	0.38	0.15		ppbV	1	2/3/2022 9:42:00 PM
Benzyl chloride	< 0.15	0.15		ppbV	1	2/3/2022 9:42:00 PM
Bromodichloromethane	< 0.15	0.15		ppbV	1	2/3/2022 9:42:00 PM
Bromoform	< 0.15	0.15		ppbV	1	2/3/2022 9:42:00 PM
Bromomethane	< 0.15	0.15		ppbV	1	2/3/2022 9:42:00 PM
Carbon disulfide	< 0.15	0.15		ppbV	1	2/3/2022 9:42:00 PM
Carbon tetrachloride	0.080	0.030		ppbV	1	2/3/2022 9:42:00 PM
Chlorobenzene	< 0.15	0.15		ppbV	1	2/3/2022 9:42:00 PM
Chloroethane	< 0.15	0.15		ppbV	1	2/3/2022 9:42:00 PM
Chloroform	0.10	0.15	J	ppbV	1	2/3/2022 9:42:00 PM
Chloromethane	0.50	0.15		ppbV	1	2/3/2022 9:42:00 PM
cis-1,2-Dichloroethene	< 0.040	0.040		ppbV	1	2/3/2022 9:42:00 PM
cis-1,3-Dichloropropene	< 0.15	0.15		ppbV	1	2/3/2022 9:42:00 PM
Cyclohexane	< 0.15	0.15		ppbV	1	2/3/2022 9:42:00 PM
Dibromochloromethane	< 0.15	0.15		ppbV	1	2/3/2022 9:42:00 PM
Ethyl acetate	0.21	0.15		ppbV	1	2/3/2022 9:42:00 PM

Qualifiers: SC Sub-Contracted
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 JN Non-routine analyte. Quantitation estimated.
 S Spike Recovery outside accepted recovery limits

. Results reported are not blank corrected
 E Estimated Value above quantitation range
 J Analyte detected below quantitation limit
 ND Not Detected at the Limit of Detection
 DL Detection Limit

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Centek Laboratories, LLC

Date: 04-Feb-22

CLIENT: Matrix Environmental Technologies, Inc
 Lab Order: C2202013
 Project: Aquino 65-67 Lake Ave
 Lab ID: C2202013-007A

Client Sample ID: A4 Dupe
 Tag Number: 98,146
 Collection Date: 1/31/2022
 Matrix: AIR

Analyses	Result	DL	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		TO-15		Analyst: RJP		
Ethylbenzene	0.12	0.15	J	ppbV	1	2/3/2022 9:42:00 PM
Freon 11	0.23	0.15		ppbV	1	2/3/2022 9:42:00 PM
Freon 113	< 0.15	0.15		ppbV	1	2/3/2022 9:42:00 PM
Freon 114	< 0.15	0.15		ppbV	1	2/3/2022 9:42:00 PM
Freon 12	0.47	0.15		ppbV	1	2/3/2022 9:42:00 PM
Heptane	0.24	0.15		ppbV	1	2/3/2022 9:42:00 PM
Hexachloro-1,3-butadiene	< 0.15	0.15		ppbV	1	2/3/2022 9:42:00 PM
Hexane	0.37	0.15		ppbV	1	2/3/2022 9:42:00 PM
Isopropyl alcohol	2.6	1.5		ppbV	10	2/4/2022 12:49:00 PM
m&p-Xylene	0.36	0.30		ppbV	1	2/3/2022 9:42:00 PM
Methyl Butyl Ketone	< 0.30	0.30		ppbV	1	2/3/2022 9:42:00 PM
Methyl Ethyl Ketone	0.30	0.30		ppbV	1	2/3/2022 9:42:00 PM
Methyl Isobutyl Ketone	< 0.30	0.30		ppbV	1	2/3/2022 9:42:00 PM
Methyl tert-butyl ether	< 0.15	0.15		ppbV	1	2/3/2022 9:42:00 PM
Methylene chloride	0.16	0.15		ppbV	1	2/3/2022 9:42:00 PM
o-Xylene	0.13	0.15	J	ppbV	1	2/3/2022 9:42:00 PM
Propylene	< 0.15	0.15		ppbV	1	2/3/2022 9:42:00 PM
Styrene	< 0.15	0.15		ppbV	1	2/3/2022 9:42:00 PM
Tetrachloroethylene	0.12	0.15	J	ppbV	1	2/3/2022 9:42:00 PM
Tetrahydrofuran	< 0.15	0.15		ppbV	1	2/3/2022 9:42:00 PM
Toluene	0.93	0.15		ppbV	1	2/3/2022 9:42:00 PM
trans-1,2-Dichloroethene	< 0.15	0.15		ppbV	1	2/3/2022 9:42:00 PM
trans-1,3-Dichloropropene	< 0.15	0.15		ppbV	1	2/3/2022 9:42:00 PM
Trichloroethene	< 0.030	0.030		ppbV	1	2/3/2022 9:42:00 PM
Vinyl acetate	< 0.15	0.15		ppbV	1	2/3/2022 9:42:00 PM
Vinyl Bromide	< 0.15	0.15		ppbV	1	2/3/2022 9:42:00 PM
Vinyl chloride	< 0.040	0.040		ppbV	1	2/3/2022 9:42:00 PM
Surr: Bromofluorobenzene	93.0	47-124		%REC	1	2/3/2022 9:42:00 PM

Qualifiers: SC Sub-Contracted
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 JN Non-routine analyte. Quantitation estimated.
 S Spike Recovery outside accepted recovery limits

. Results reported are not blank corrected
 E Estimated Value above quantitation range
 J Analyte detected below quantitation limit
 ND Not Detected at the Limit of Detection
 DL Detection Limit

Page 14 of 14

Centek Laboratories, LLC

Date: 04-Feb-22

CLIENT: Matrix Environmental Technologies, Inc
 Lab Order: C2202013
 Project: Aquino 65-67 Lake Ave
 Lab ID: C2202013-007A

Client Sample ID: A4 Dupe
 Tag Number: 98,146
 Collection Date: 1/31/2022
 Matrix: AIR

Analyses	Result	DL	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		TO-15		Analyst: RJP		
1,1,1-Trichloroethane	< 0.82	0.82		ug/m3	1	2/3/2022 9:42:00 PM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		ug/m3	1	2/3/2022 9:42:00 PM
1,1,2-Trichloroethane	< 0.82	0.82		ug/m3	1	2/3/2022 9:42:00 PM
1,1-Dichloroethane	< 0.61	0.61		ug/m3	1	2/3/2022 9:42:00 PM
1,1-Dichloroethene	< 0.16	0.16		ug/m3	1	2/3/2022 9:42:00 PM
1,2,4-Trichlorobenzene	< 1.1	1.1		ug/m3	1	2/3/2022 9:42:00 PM
1,2,4-Trimethylbenzene	0.54	0.74	J	ug/m3	1	2/3/2022 9:42:00 PM
1,2-Dibromoethane	< 1.2	1.2		ug/m3	1	2/3/2022 9:42:00 PM
1,2-Dichlorobenzene	< 0.90	0.90		ug/m3	1	2/3/2022 9:42:00 PM
1,2-Dichloroethane	< 0.61	0.61		ug/m3	1	2/3/2022 9:42:00 PM
1,2-Dichloropropane	< 0.69	0.69		ug/m3	1	2/3/2022 9:42:00 PM
1,3,5-Trimethylbenzene	< 0.74	0.74		ug/m3	1	2/3/2022 9:42:00 PM
1,3-butadiene	< 0.33	0.33		ug/m3	1	2/3/2022 9:42:00 PM
1,3-Dichlorobenzene	< 0.90	0.90		ug/m3	1	2/3/2022 9:42:00 PM
1,4-Dichlorobenzene	< 0.90	0.90		ug/m3	1	2/3/2022 9:42:00 PM
1,4-Dioxane	< 1.1	1.1		ug/m3	1	2/3/2022 9:42:00 PM
2,2,4-trimethylpentane	0.61	0.70	J	ug/m3	1	2/3/2022 9:42:00 PM
4-ethyltoluene	< 0.74	0.74		ug/m3	1	2/3/2022 9:42:00 PM
Acetone	25	7.1		ug/m3	10	2/4/2022 12:49:00 PM
Allyl chloride	< 0.47	0.47		ug/m3	1	2/3/2022 9:42:00 PM
Benzene	1.2	0.48		ug/m3	1	2/3/2022 9:42:00 PM
Benzyl chloride	< 0.86	0.86		ug/m3	1	2/3/2022 9:42:00 PM
Bromodichloromethane	< 1.0	1.0		ug/m3	1	2/3/2022 9:42:00 PM
Bromoform	< 1.6	1.6		ug/m3	1	2/3/2022 9:42:00 PM
Bromomethane	< 0.58	0.58		ug/m3	1	2/3/2022 9:42:00 PM
Carbon disulfide	< 0.47	0.47		ug/m3	1	2/3/2022 9:42:00 PM
Carbon tetrachloride	0.50	0.19		ug/m3	1	2/3/2022 9:42:00 PM
Chlorobenzene	< 0.69	0.69		ug/m3	1	2/3/2022 9:42:00 PM
Chloroethane	< 0.40	0.40		ug/m3	1	2/3/2022 9:42:00 PM
Chloroform	0.49	0.73	J	ug/m3	1	2/3/2022 9:42:00 PM
Chloromethane	1.0	0.31		ug/m3	1	2/3/2022 9:42:00 PM
cis-1,2-Dichloroethene	< 0.16	0.16		ug/m3	1	2/3/2022 9:42:00 PM
cis-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	2/3/2022 9:42:00 PM
Cyclohexane	< 0.52	0.52		ug/m3	1	2/3/2022 9:42:00 PM
Dibromochloromethane	< 1.3	1.3		ug/m3	1	2/3/2022 9:42:00 PM
Ethyl acetate	0.76	0.54		ug/m3	1	2/3/2022 9:42:00 PM
Ethylbenzene	0.52	0.65	J	ug/m3	1	2/3/2022 9:42:00 PM
Freon 11	1.3	0.84		ug/m3	1	2/3/2022 9:42:00 PM
Freon 113	< 1.1	1.1		ug/m3	1	2/3/2022 9:42:00 PM
Freon 114	< 1.0	1.0		ug/m3	1	2/3/2022 9:42:00 PM

Qualifiers:	SC	Sub-Contracted		Results reported are not blank corrected
	B	Analyte detected in the associated Method Blank		E Estimated Value above quantitation range
	H	Holding times for preparation or analysis exceeded		J Analyte detected below quantitation limit
	JN	Non-routine analyte. Quantitation estimated.		ND Not Detected at the Limit of Detection
	S	Spike Recovery outside accepted recovery limits		DL Detection Limit

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Centek Laboratories, LLC

Date: 04-Feb-22

CLIENT: Matrix Environmental Technologies, Inc
 Lab Order: C2202013
 Project: Aquino 65-67 Lake Ave
 Lab ID: C2202013-007A

Client Sample ID: A4 Dupe
 Tag Number: 98,146
 Collection Date: 1/31/2022
 Matrix: AIR

Analyses	Result	DL	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		TO-15		Analyst: RJP		
Freon 12	2.3	0.74		ug/m3	1	2/3/2022 9:42:00 PM
Heptane	0.98	0.61		ug/m3	1	2/3/2022 9:42:00 PM
Hexachloro-1,3-butadiene	< 1.6	1.6		ug/m3	1	2/3/2022 9:42:00 PM
Hexane	1.3	0.53		ug/m3	1	2/3/2022 9:42:00 PM
Isopropyl alcohol	6.4	3.7		ug/m3	10	2/4/2022 12:49:00 PM
m&p-Xylene	1.6	1.3		ug/m3	1	2/3/2022 9:42:00 PM
Methyl Butyl Ketone	< 1.2	1.2		ug/m3	1	2/3/2022 9:42:00 PM
Methyl Ethyl Ketone	0.88	0.88		ug/m3	1	2/3/2022 9:42:00 PM
Methyl Isobutyl Ketone	< 1.2	1.2		ug/m3	1	2/3/2022 9:42:00 PM
Methyl tert-butyl ether	< 0.54	0.54		ug/m3	1	2/3/2022 9:42:00 PM
Methylene chloride	0.56	0.52		ug/m3	1	2/3/2022 9:42:00 PM
o-Xylene	0.56	0.65	J	ug/m3	1	2/3/2022 9:42:00 PM
Propylene	< 0.26	0.26		ug/m3	1	2/3/2022 9:42:00 PM
Styrene	< 0.64	0.64		ug/m3	1	2/3/2022 9:42:00 PM
Tetrachloroethylene	0.81	1.0	J	ug/m3	1	2/3/2022 9:42:00 PM
Tetrahydrofuran	< 0.44	0.44		ug/m3	1	2/3/2022 9:42:00 PM
Toluene	3.5	0.57		ug/m3	1	2/3/2022 9:42:00 PM
trans-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	2/3/2022 9:42:00 PM
trans-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	2/3/2022 9:42:00 PM
Trichloroethene	< 0.16	0.16		ug/m3	1	2/3/2022 9:42:00 PM
Vinyl acetate	< 0.53	0.53		ug/m3	1	2/3/2022 9:42:00 PM
Vinyl Bromide	< 0.66	0.66		ug/m3	1	2/3/2022 9:42:00 PM
Vinyl chloride	< 0.10	0.10		ug/m3	1	2/3/2022 9:42:00 PM

Qualifiers: SC Sub-Contracted
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 JN Non-routine analyte. Quantitation estimated.
 S Spike Recovery outside accepted recovery limits

Results reported are not blank corrected
 E Estimated Value above quantitation range
 J Analyte detected below quantitation limit
 ND Not Detected at the Limit of Detection
 DL Detection Limit

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GC/MS VOLATILES-WHOLE AIR

METHOD TO-15

QUALITY CONTROL SUMMARY

Date: 04-Feb-22

**CEN TEK LABORATORIES, LLC**

QC SUMMARY REPORT SURROGATE RECOVERIES

CLIENT: Matrix Environmental Technologies, Inc
Work Order: C2202013
Project: Aquino 65-67 Lake Ave
Test No: TO-15 **Matrix:** A

Sample ID	BR4FBZ							
ALCS1UG-020322	94.0							
ALCS1UG-020422	112							
ALCS1UGD-020322	110							
AMB1UG-020322	78.0							
AMB1UG-020422	91.0							
C2202013-001A	91.0							
C2202013-002A	90.0							
C2202013-003A	96.0							
C2202013-004A	97.0							
C2202013-005A	93.0							
C2202013-006A	94.0							
C2202013-007A	93.0							

Acronym

BR4FBZ

Surrogate

= Bromofluorobenzene

QC Limits

47-124

* Surrogate recovery outside acceptance limits

1

Tune File : C:\HPCHEM\1\DATA\AT020302.D

Tune Time : 3 Feb 2022 9:11 am

Daily Calibration File : C:\HPCHEM\1\DATA\AT020302.D

		(BFB)	(IS1)	(IS2)	(IS3)
			35677	152077	130970
File	Sample	DL	Surrogate Recovery %	Internal Standard Responses	
AT020303.D	ALCS1UG-020322	94		38268	167276
AT020304.D	AMB1UG-020322	78		37307	165431
AT020313.D	C2202013-001A	91		38077	169475
AT020314.D	C2202013-002A	90		34150	148273
AT020315.D	C2202013-003A	96		36988	157207
AT020316.D	C2202013-004A	97		38494	160577
AT020317.D	C2202013-005A	93		35722	154976
AT020318.D	C2202013-006A	94		36427	152645
AT020319.D	C2202013-007A	93		35817	149732
AT020320.D	ALCS1UGD-020322	110		32837	145184
AT020329.D	C2202013-001A 4X	89		29654	123490
AT020330.D	C2202013-002A 10X	80		29342	121637
AT020331.D	C2202013-003A 10X	87		29386	120007
AT020332.D	C2202013-004A 10X	86		28915	122898
AT020334.D	C2202013-005A 40X	85		28678	118900

t - fails 24hr time check * - fails criteria

Created: Fri Feb 04 14:37:39 2022 MSD #1/

Tune File : C:\HPCHEM\1\DATA\AT020402.D

Tune Time : 4 Feb 2022 9:56 am

Daily Calibration File : C:\HPCHEM\1\DATA\AT020402.D

(BFB)

(IS1)

(IS2)

(IS3)

30828

123419

109910

File	Sample	DL	Surrogate Recovery %	Internal Standard Responses		
AT020403.D	ALCS1UG-020422	112		29135	125986	112172
AT020404.D	AMB1UG-020422	91		31342	143110	114459
AT020405.D	C2202013-006A 10X	82		27900	113880	102425
AT020406.D	C2202013-007A 10X	85		28841	115273	100677

t - fails 24hr time check * - fails criteria

Created: Fri Feb 04 14:39:55 2022 MSD #1/

Date: 04-Feb-22

CENTEK LABORATORIES, LLC

ANALYTICAL QC SUMMARY REPORT

CLIENT: Matrix Environmental Technologies, Inc
 Work Order: C2202013
 Project: Aquino 65-67 Lake Ave

TestCode: 0.20_NYS

Sample ID: AMB1UG-020322		SampType: MBLK		TestCode: 0.20_NYS		Units: ppbV		Prep Date:		RunNo: 18586	
Client ID: ZZZZZ		Batch ID: R18586		TestNo: TO-15				Analysis Date: 2/3/2022		SeqNo: 211744	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	< 0.15	0.15									
1,1,2,2-Tetrachloroethane	< 0.15	0.15									
1,1,2-Trichloroethane	< 0.15	0.15									
1,1-Dichloroethane	< 0.15	0.15									
1,1-Dichloroethene	< 0.040	0.040									
1,2,4-Trichlorobenzene	< 0.15	0.15									
1,2,4-Trimethylbenzene	< 0.15	0.15									
1,2-Dibromoethane	< 0.15	0.15									
1,2-Dichlorobenzene	< 0.15	0.15									
1,2-Dichloroethane	< 0.15	0.15									
1,2-Dichloropropane	< 0.15	0.15									
1,3,5-Trimethylbenzene	< 0.15	0.15									
1,3-butadiene	< 0.15	0.15									
1,3-Dichlorobenzene	< 0.15	0.15									
1,4-Dichlorobenzene	< 0.15	0.15									
1,4-Dioxane	< 0.30	0.30									
2,2,4-trimethylpentane	< 0.15	0.15									
4-ethyltoluene	< 0.15	0.15									
Acetone	< 0.30	0.30									
Allyl chloride	< 0.15	0.15									
Benzene	< 0.15	0.15									
Benzyl chloride	< 0.15	0.15									
Bromodichloromethane	< 0.15	0.15									
Bromoform	< 0.15	0.15									
Bromomethane	< 0.15	0.15									

Qualifiers:	Results reported are not blank corrected	E	Estimated Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limit	N/D	Not Detected at the Limit of Detection	R	RPD outside accepted recovery limits
S	Spike Recovery outside accepted recovery limits	DL	Detection Limit		

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CLIENT: Matrix Environmental Technologies, Inc
Work Order: C2202013
Project: Aquino 65-67 Lake Ave

TestCode: 0.20_NYS

Sample ID: AMB1UG-020322		SampType: MBLK		TestCode: 0.20_NYS		Units: ppbV		Prep Date:		RunNo: 18586	
Client ID: ZZZZZ		Batch ID: R18586		TestNo: TO-15				Analysis Date: 2/3/2022		SeqNo: 211744	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Carbon disulfide	< 0.15	0.15									
Carbon tetrachloride	< 0.030	0.030									
Chlorobenzene	< 0.15	0.15									
Chloroethane	< 0.15	0.15									
Chloroform	< 0.15	0.15									
Chloromethane	< 0.15	0.15									
cis-1,2-Dichloroethene	< 0.040	0.040									
cis-1,3-Dichloropropene	< 0.15	0.15									
Cyclohexane	< 0.15	0.15									
Dibromochloromethane	< 0.15	0.15									
Ethyl acetate	< 0.15	0.15									
Ethylbenzene	< 0.15	0.15									
Freon 11	< 0.15	0.15									
Freon 113	< 0.15	0.15									
Freon 114	< 0.15	0.15									
Freon 12	< 0.15	0.15									
Heptane	< 0.15	0.15									
Hexachloro-1,3-butadiene	< 0.15	0.15									
Hexane	< 0.15	0.15									
Isopropyl alcohol	< 0.15	0.15									
m&p-Xylene	< 0.30	0.30									
Methyl Butyl Ketone	< 0.30	0.30									
Methyl Ethyl Ketone	< 0.30	0.30									
Methyl Isobutyl Ketone	< 0.30	0.30									
Methyl tert-butyl ether	< 0.15	0.15									
Methylene chloride	< 0.15	0.15									
o-Xylene	< 0.15	0.15									
Propylene	< 0.15	0.15									
Styrene	< 0.15	0.15									
Tetrachloroethylene	< 0.15	0.15									
Tetrahydrofuran	< 0.15	0.15									

Qualifiers:

J	Results reported are not blank corrected	E	Estimated Value above quantitation range	H	Holding times for preparation or analysis exceeded
S	Analyte detected below quantitation limit	N/D	Not Detected at the Limit of Detection	R	RPD outside accepted recovery limits
	Spike Recovery outside accepted recovery limits	DL	Detection Limit		

CLIENT: Matrix Environmental Technologies, Inc
Work Order: C2202013
Project: Aquino 65-67 Lake Ave

TestCode: 0.20_NYS

Sample ID: AMB1UG-020322	Sample Type: MBLK	Test Code: 0.20_NYS	Units: ppbV	Prep Date:	RunNo: 18586						
Client ID: ZZZZZ	Batch ID: R18586	TestNo: TO-15		Analysis Date: 2/3/2022	SeqNo: 211744						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Toluene	< 0.15	0.15									
trans-1,2-Dichloroethene	< 0.15	0.15									
trans-1,3-Dichloropropene	< 0.15	0.15									
Trichloroethene	< 0.030	0.030									
Vinyl acetate	< 0.15	0.15									
Vinyl Bromide	< 0.15	0.15									
Vinyl chloride	< 0.040	0.040									

Sample ID: AMB1UG-020422	SampleType: MBLK	TestCode: 0.20_NYS	Units: ppbV	Prep Date:	RunNo: 18587						
Client ID: ZZZZZ	Batch ID: R18587	TestNo: TO-15		Analysis Date: 2/4/2022	SeqNo: 211775						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,1,1-Trichloroethane	< 0.15	0.15									
1,1,2,2-Tetrachloroethane	< 0.15	0.15									
1,1,2-Trichloroethane	< 0.15	0.15									
1,1-Dichloroethane	< 0.15	0.15									
1,1-Dichloroethene	< 0.040	0.040									
1,2,4-Trichlorobenzene	< 0.15	0.15									
1,2,4-Trimethylbenzene	< 0.15	0.15									
1,2-Dibromoethane	< 0.15	0.15									
1,2-Dichlorobenzene	< 0.15	0.15									
1,2-Dichloroethane	< 0.15	0.15									
1,2-Dichloropropane	< 0.15	0.15									
1,3,5-Trimethylbenzene	< 0.15	0.15									
1,3-butadiene	< 0.15	0.15									
1,3-Dichlorobenzene	< 0.15	0.15									
1,4-Dichlorobenzene	< 0.15	0.15									
1,4-Dioxane	< 0.30	0.30									
2,2,4-trimethylpentane	< 0.15	0.15									
4-ethyltoluene	< 0.15	0.15									

Qualifiers:	Results reported are not blank corrected	E	Estimated Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limit	NED	Not Detected at the Limit of Detection	R	RPD outside accepted recovery limits
S	Spike Recovery outside accepted recovery limits	DL	Detection Limit		

CLIENT: Matrix Environmental Technologies, Inc
Work Order: C2202013
Project: Aquino 65-67 Lake Ave

TestCode: 0.20_NYS

Sample ID: AMB1UG-020422	SampType: MBLK	TestCode: 0.20_NYS	Units: ppbV	Prep Date:	RunNo: 18587						
Client ID: ZZZZZ	Batch ID: R18587	TestNo: TO-15		Analysis Date: 2/4/2022	SeqNo: 211775						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acetone	< 0.30	0.30									
Allyl chloride	< 0.15	0.15									
Benzene	< 0.15	0.15									
Benzyl chloride	< 0.15	0.15									
Bromodichloromethane	< 0.15	0.15									
Bromoform	< 0.15	0.15									
Bromomethane	< 0.15	0.15									
Carbon disulfide	< 0.15	0.15									
Carbon tetrachloride	< 0.030	0.030									
Chlorobenzene	< 0.15	0.15									
Chloroethane	< 0.15	0.15									
Chloroform	< 0.15	0.15									
Chloromethane	< 0.15	0.15									
cis-1,2-Dichloroethene	< 0.040	0.040									
cis-1,3-Dichloropropene	< 0.15	0.15									
Cyclohexane	< 0.15	0.15									
Dibromochloromethane	< 0.15	0.15									
Ethyl acetate	< 0.15	0.15									
Ethylbenzene	< 0.15	0.15									
Freon 11	< 0.15	0.15									
Freon 113	< 0.15	0.15									
Freon 114	< 0.15	0.15									
Freon 12	< 0.15	0.15									
Heptane	< 0.15	0.15									
Hexachloro-1,3-butadiene	< 0.15	0.15									
Hexane	< 0.15	0.15									
Isopropyl alcohol	< 0.15	0.15									
m,p-Xylene	< 0.30	0.30									
Methyl Butyl Ketone	< 0.30	0.30									
Methyl Ethyl Ketone	< 0.30	0.30									
Methyl Isobutyl Ketone	< 0.30	0.30									

Qualifiers:

	Results reported are not blank corrected	E	Estimated Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limit	ND	Not Detected at the Limit of Detection	R	RPD outside accepted recovery limits
S	Spike Recovery outside accepted recovery limits	DL	Detection Limit		

CLIENT: Matrix Environmental Technologies, Inc
Work Order: C2202013
Project: Aquino 65-67 Lake Ave

TestCode: 0.20_NYS

Sample ID: AMB1UG-020422	Sample Type: MBLK	Test Code: 0.20_NYS	Units: ppbV	Prep Date:	RunNo: 18587						
Client ID: ZZZZZ	Batch ID: R18587	TestNo: TO-15		Analysis Date: 2/4/2022	SeqNo: 211775						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether	< 0.15	0.15									
Methylene chloride	< 0.15	0.15									
o-Xylene	< 0.15	0.15									
Propylene	< 0.15	0.15									
Styrene	< 0.15	0.15									
Tetrachloroethylene	< 0.15	0.15									
Tetrahydrofuran	< 0.15	0.15									
Toluene	< 0.15	0.15									
trans-1,2-Dichloroethene	< 0.15	0.15									
trans-1,3-Dichloropropene	< 0.15	0.15									
Trichloroethene	< 0.030	0.030									
Vinyl acetate	< 0.15	0.15									
Vinyl Bromide	< 0.15	0.15									
Vinyl chloride	< 0.040	0.040									

Qualifiers:

J	Results reported are not blank corrected	E	Estimated Value above quantitation range	H	Holding times for preparation or analysis exceeded
S	Analyte detected below quantitation limit	ND	Not Detected at the Limit of Detection	R	RPD outside accepted recovery limits
	Spike Recovery outside accepted recovery limits	DL	Detection Limit		

Date: 04-Feb-22



ANALYTICAL QC SUMMARY REPORT

CLIENT: Matrix Environmental Technologies, Inc
 Work Order: C2202013
 Project: Aquino 65-67 Lake Ave

TestCode: 0.20_NYS

Sample ID: ALCS1UG-020322		SampType: LCS		TestCode: 0.20_NYS		Units: ppbV		Prep Date:		RunNo: 18586	
Client ID: ZZZZZ		Batch ID: R18586		TestNo: TO-15				Analysis Date: 2/3/2022		SeqNo: 211745	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	0.9800	0.15	1	0	96.0	91.3	127				S
1,1,2,2-Tetrachloroethane	0.8500	0.15	1	0	85.0	78.7	121				
1,1,2-Trichloroethane	0.9400	0.15	1	0	94.0	88.1	136				
1,1-Dichloroethane	0.9500	0.15	1	0	95.0	86.1	123				
1,1-Dichloroethene	0.9900	0.040	1	0	99.0	70	94				
1,2,4-Trichlorobenzene	0.8700	0.15	1	0	87.0	76.7	112				
1,2,4-Trimethylbenzene	0.9300	0.15	1	0	93.0	74.3	123				
1,2-Dibromoethane	0.9400	0.15	1	0	94.0	80.4	125				
1,2-Dichlorobenzene	0.8400	0.15	1	0	84.0	79.5	143				
1,2-Dichloroethane	0.9900	0.15	1	0	99.0	70.9	133				
1,2-Dichloropropane	0.9400	0.15	1	0	94.0	91	134				
1,3,5-Trimethylbenzene	0.8800	0.15	1	0	88.0	77.4	138				
1,3-butadiene	0.9500	0.15	1	0	95.0	71	144				
1,3-Dichlorobenzene	0.8900	0.15	1	0	89.0	84.7	128				
1,4-Dichlorobenzene	0.9000	0.15	1	0	90.0	77.9	131				
1,4-Dioxane	0.9600	0.30	1	0	96.0	60.9	133				
2,2,4-Trimethylpentane	0.9500	0.15	1	0	95.0	86.9	126				
4-ethyltoluene	0.8900	0.15	1	0	89.0	77.5	133				
Acetone	1.070	0.30	1	0	107	46.7	165				
Allyl chloride	0.9400	0.15	1	0	94.0	86.6	117				
Benzene	0.9500	0.15	1	0	95.0	88.9	122				
Benzyl chloride	0.9300	0.15	1	0	93.0	73.6	120				
Bromodichloromethane	0.9700	0.15	1	0	97.0	84.3	133				
Bromoform	0.8700	0.15	1	0	87.0	44.6	149				
Bromomethane	0.9800	0.15	1	0	98.0	78.7	144				

Qualifiers: J Results reported are not blank corrected E Estimated Value above quantitation range H Holding times for preparation or analysis exceeded
 S Analyte detected below quantitation limit ND Not Detected at the Limit of Detection R RPD outside accepted recovery limits
 S Spike Recovery outside accepted recovery limits DL Detection Limit

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CLIENT: Matrix Environmental Technologies, Inc
 Work Order: C2202013
 Project: Aquino 65-67 Lake Ave

TestCode: 0.20_NYS

Sample ID: ALCS1UG-020322	SampleType: LCS	TestCode: 0.20_NYS	Units: ppbv	Prep Date:	RunNo: 18586						
Client ID: ZZZZZ	Batch ID: R18586	TestNo: TO-15		Analysis Date: 2/3/2022	SeqNo: 211745						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Carbon disulfide	0.9000	0.15	1	0	90.0	76.9	109				
Carbon tetrachloride	0.8900	0.030	1	0	89.0	71	120				
Chlorobenzene	0.9500	0.15	1	0	95.0	82.6	121				
Chloroethane	0.9900	0.15	1	0	99.0	57.1	146				
Chloroform	0.9700	0.15	1	0	97.0	82.5	125				
Chloromethane	0.9400	0.15	1	0	94.0	71.1	154				
cis-1,2-Dichloroethene	0.9500	0.040	1	0	95.0	71.2	112				
cis-1,3-Dichloropropene	0.9800	0.15	1	0	98.0	90.3	137				
Cyclohexane	0.9800	0.15	1	0	98.0	87	122				
Dibromochloromethane	0.9300	0.15	1	0	93.0	62.8	132				
Ethyl acetate	0.9600	0.15	1	0	96.0	86.9	134				
Ethylbenzene	0.9700	0.15	1	0	97.0	76.9	123				
Freon 11	1.040	0.15	1	0	104	54.4	150				
Freon 113	0.9500	0.15	1	0	95.0	83.4	124				
Freon 114	0.9700	0.15	1	0	97.0	70.2	133				
Freon 12	0.9500	0.15	1	0	95.0	86.3	135				
Heptane	0.9800	0.15	1	0	98.0	86.5	137				
Hexachloro-1,3-butadiene	0.8500	0.15	1	0	86.0	78.7	120				
Hexane	0.8500	0.15	1	0	85.0	77.3	128				
Isopropyl alcohol	1.020	0.15	1	0	102	80.2	122				
m&p-Xylene	1.910	0.30	2	0	95.5	77.9	132				
Methyl Butyl Ketone	0.9500	0.30	1	0	95.0	69.4	131				
Methyl Ethyl Ketone	0.9700	0.30	1	0	97.0	71.5	117				
Methyl Isobutyl Ketone	0.9200	0.30	1	0	92.0	63.5	141				
Methyl tert-butyl ether	0.9800	0.15	1	0	98.0	80.8	113				
Methylene chloride	0.9400	0.15	1	0	94.0	87.8	123				
o-Xylene	0.8800	0.15	1	0	88.0	80.5	139				
Propylene	0.8400	0.15	1	0	84.0	73.8	124				
Styrene	0.8600	0.15	1	0	86.0	82.7	138				
Tetrachloroethylene	0.9200	0.15	1	0	92.0	85.9	122				
Tetrahydrofuran	0.9500	0.15	1	0	95.0	65.5	134				

Qualifiers: J Results reported are not blank corrected
 S Analyte detected below quantitation limit
 E Estimated Value above quantitation range
 ND Not Detected at the Limit of Detection
 H Holding time for preparation or analysis exceeded
 R RPD outside accepted recovery limits
 DL Detection Limit

CLIENT: Matrix Environmental Technologies, Inc
Work Order: C2202013
Project: Aquino 65-67 Lake Ave

TestCode: 0.20_NYS

Sample ID: ALCS1UG-020322	SampleType: LCS	TestCode: 0.20_NYS	Units: ppbV	Prep Date:	RunNo: 18586						
Client ID: ZZZZZ	Batch ID: R18586	TestNo: TO-15		Analysis Date: 2/3/2022	SeqNo: 211745						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Toluene	0.9200	0.15	1	0	92.0	77.8	127				
trans-1,2-Dichloroethene	0.9500	0.15	1	0	95.0	83.3	116				
trans-1,3-Dichloropropene	1.080	0.15	1	0	108	84.8	134				
Trichloroethene	0.9000	0.030	1	0	90.0	79.3	117				
Vinyl acetate	0.9300	0.15	1	0	93.0	70.5	101				
Vinyl Bromide	0.9500	0.15	1	0	95.0	81.4	142				
Vinyl chloride	0.9500	0.040	1	0	95.0	70.4	138				

Sample ID: ALCS1UG-020422	SampleType: LCS	TestCode: 0.20_NYS	Units: ppbV	Prep Date:	RunNo: 18587						
Client ID: ZZZZZ	Batch ID: R18587	TestNo: TO-15		Analysis Date: 2/4/2022	SeqNo: 211776						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,1,1-Trichloroethane	1.080	0.15	1	0	108	91.3	127				
1,1,2,2-Tetrachloroethane	1.090	0.15	1	0	100	78.7	121				
1,1,2-Trichloroethane	1.010	0.15	1	0	101	88.1	136				
1,1-Dichloroethane	1.040	0.15	1	0	104	86.1	123				
1,1-Dichloroethene	1.060	0.040	1	0	106	70	94				S
1,2,4-Trichlorobenzene	1.110	0.15	1	0	111	76.7	132				
1,2,4-Trimethylbenzene	1.070	0.15	1	0	107	74.3	123				
1,2-Dibromobenzene	1.000	0.15	1	0	100	80.4	125				
1,2-Dichlorobenzene	1.080	0.15	1	0	108	79.5	143				
1,2-Dichloroethane	1.100	0.15	1	0	110	70.9	133				
1,2-Dichloropropane	1.010	0.15	1	0	101	91	134				
1,3,5-Trimethylbenzene	1.070	0.15	1	0	107	77.4	138				
1,3-butadiene	1.180	0.15	1	0	118	71	144				
1,3-Dichlorobenzene	1.090	0.15	1	0	109	84.7	128				
1,4-Dichlorobenzene	1.090	0.15	1	0	109	77.9	131				
1,4-Dioxane	0.9700	0.30	1	0	97.0	60.9	133				
2,2,4-trimethylpentane	0.9800	0.15	1	0	98.0	86.9	126				
4-ethyltoluene	1.090	0.15	1	0	109	77.5	133				

Qualifiers: Results reported are not blank corrected
 f Analyte detected below quantitation limit
 S Spike Recovery outside accepted recovery limits
 E Estimated Value above quantitation range
 ND Not Detected at the Limit of Detection
 DL Detection Limit
 H Holding times for preparation or analysis exceeded
 R RPD outside accepted recovery limits

CLJENT: Matrix Environmental Technologies, Inc
 Work Order: C2202013
 Project: Aquino 65-67 Lake Ave

TestCode: 0.20_NYS

Sample ID: ALCS1UG-020422	Sample Type: LCS	TestCode: 0.20_NYS	Units: ppbV	Prep Date:	RunNo: 18587						
Client ID: ZZZZZ	Batch ID: R18587	TestNo: TO-15		Analysis Date: 2/4/2022	SeqNo: 211776						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acetone	1.060	0.30	1	0	106	46.7	165				
Allyl chloride	1.020	0.15	1	0	102	86.6	117				
Benzene	1.030	0.15	1	0	103	88.9	122				
Benzyl chloride	1.120	0.15	1	0	112	73.6	120				
Bromodichloromethane	1.090	0.15	1	0	109	84.3	133				
Bromoform	1.020	0.15	1	0	102	44.6	149				
Bromomethane	1.220	0.15	1	0	122	78.7	144				
Carbon disulfide	1.010	0.15	1	0	101	76.9	109				
Carbon tetrachloride	1.030	0.030	1	0	103	71	120				
Chlorobenzene	1.020	0.15	1	0	102	82.6	121				
Chloroethane	1.340	0.15	1	0	134	67.1	146				
Chloroform	1.090	0.15	1	0	109	82.5	125				
Chloromethane	1.220	0.15	1	0	122	71.1	154				
cis-1,2-Dichloroethene	1.000	0.040	1	0	100	71.2	112				
cis-1,3-Dichloropropene	1.040	0.15	1	0	104	90.3	137				
Cyclohexane	0.9900	0.15	1	0	99.0	87	122				
Dibromochloromethane	1.020	0.15	1	0	102	62.8	132				
Ethyl acetate	1.020	0.15	1	0	102	86.9	134				
Ethylbenzene	1.030	0.15	1	0	103	76.9	123				
Freon 11	1.350	0.15	1	0	135	54.4	150				
Freon 113	1.090	0.15	1	0	109	83.4	124				
Freon 114	1.250	0.15	1	0	125	70.2	133				
Freon 12	1.170	0.15	1	0	117	86.3	135				
Heptane	0.9900	0.15	1	0	99.0	86.5	137				
Hexachloro-1,3-butadiene	1.100	0.15	1	0	110	78.7	120				
Hexane	1.040	0.15	1	0	104	77.3	128				
Isopropyl alcohol	1.230	0.15	1	0	123	80.2	122				
m&p-Xylene	2.100	0.30	2	0	105	77.9	132				
Methyl Butyl Ketone	0.9700	0.30	1	0	97.0	69.4	131				
Methyl Ethyl Ketone	0.9400	0.30	1	0	94.0	71.5	117				
Methyl Isobutyl Ketone	0.9400	0.30	1	0	94.0	63.5	141				

Qualifiers: J Results reported are not blank corrected
 S Spike Recovery outside accepted recovery limits
 E Estimated Value above quantitation range
 ND Not Detected at the Limit of Detection
 DL Detection Limit
 H Holding times for preparation or analysis exceeded
 R RPD outside accepted recovery limits

CLIENT: Matrix Environmental Technologies, Inc
Work Order: C2202013
Project: Aquino 65-67 Lake Ave

TestCode: 0-20_NYS

Sample ID: ALCS1UG-020422	Sample Type: LCS	TestCode: 0.20_NYS	Units: ppbV	Prep Date:	RunNo: 18587						
Client ID: ZZZZZ	Batch ID: R18587	TestNo: TO-15		Analysis Date: 2/4/2022	SeqNo: 211776						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether	1.040	0.15	1	0	104	80.8	113				
Methylene chloride	1.030	0.15	1	0	103	87.8	123				
o-Xylene	1.060	0.15	1	0	106	80.5	139				
Propylene	1.010	0.15	1	0	101	73.8	124				
Styrene	1.070	0.15	1	0	107	82.7	138				
Tetrachloroethylene	1.000	0.15	1	0	100	85.9	122				
Tetrahydrofuran	0.9700	0.15	1	0	97.0	65.5	134				
Toluene	1.010	0.15	1	0	101	77.8	127				
trans-1,2-Dichloroethene	1.030	0.15	1	0	103	83.3	116				
trans-1,3-Dichloropropene	1.020	0.15	1	0	102	84.8	134				
Trichloroethene	0.9500	0.030	1	0	95.0	79.3	117				
Vinyl acetate	1.010	0.15	1	0	101	70.5	101				
Vinyl Bromide	1.190	0.15	1	0	119	81.4	142				
Vinyl chloride	1.160	0.040	1	0	116	70.4	138				

Sample ID: ALCS1UGD-020322		Sample Type: LCSD		TestCode: 0.20_NYS		Units: ppbv		Prep Date:		RunNo: 18586			
Client ID: ZZZZZ		Batch ID: R18586		TestNo: TO-15		Analysis Date: 2/3/2022						SeqNo: 211746	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual		
1,1,1-Trichloroethane	1.040	0.15	1	0	104	91.3	127	0.96	8.00	0			
1,1,2,2-Tetrachloroethane	0.9600	0.15	1	0	96.0	78.7	121	0.85	12.2	0			
1,1,2-Trichloroethane	0.9800	0.15	1	0	98.0	88.1	136	0.94	4.17	0			
1,1-Dichloroethane	1.070	0.15	1	0	107	86.1	123	0.95	11.9	0			
1,1-Dichloroethene	1.030	0.040	1	0	103	70	94	0.99	3.96	0	S		
1,2,4-Trichlorobenzene	1.010	0.15	1	0	101	76.7	112	0.87	14.9	0			
1,2,4-Triethylbenzene	1.020	0.15	1	0	102	74.3	123	0.93	9.23	0			
1,2-Dibromoethane	1.010	0.15	1	0	101	80.4	125	0.94	7.18	0			
1,2-Dichlorobenzene	1.020	0.15	1	0	102	79.5	143	0.84	19.4	0			
1,2-Dichloroethane	1.090	0.15	1	0	109	70.9	133	0.99	9.62	0			
1,2-Dichloropropane	0.9800	0.15	1	0	98.0	91	134	0.94	4.17	0			

Qualifiers: J Results reported are not blank corrected E Estimated Value above quantitation range JH Holding times for preparation or analysis exceeded
S Analyte detected below quantitation limit ND Not Detected at the Limit of Detection R RPD outside accepted recovery limits

CLIENT: Matrix Environmental Technologies, Inc
Work Order: C2202013
Project: Aquino 65-67 Lake Ave

TestCode: 0.20_NYS

Sample ID: ALCS1UGD-020322		SampleType: LCSD	TestCode: 0.20_NYS		Units: ppbV	Prep Date:		RunNo: 18586			
Client ID: ZZZZZ		Batch ID: R18586	TestNo: TO-15			Analysis Date: 2/3/2022		SeqNo: 211746			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3,5-Trimethylbenzene	1.030	0.15	1	0	103	77.4	138	0.88	15.7	0	0
1,3-butadiene	1.090	0.15	1	0	109	71	144	0.95	13.7	0	0
1,3-Dichlorobenzene	1.050	0.15	1	0	105	84.7	128	0.89	16.5	0	0
1,4-Dichlorobenzene	1.030	0.15	1	0	103	77.9	131	0.9	13.5	0	0
1,4-Dioxane	0.9600	0.30	1	0	96.0	60.9	133	0.96	0	0	0
2,2,4-trimethylpentane	0.9900	0.15	1	0	99.0	86.9	126	0.95	4.12	0	0
4-ethyltoluene	1.030	0.15	1	0	103	77.5	133	0.89	14.6	0	0
Acetone	1.080	0.30	1	0	108	46.7	165	1.07	0.930	0	0
Allyl chloride	1.010	0.15	1	0	101	86.6	117	0.94	7.18	0	0
Benzene	1.000	0.15	1	0	100	88.9	122	0.95	5.13	0	0
Benzyl chloride	1.030	0.15	1	0	103	73.6	120	0.93	10.2	0	0
Bromodichloromethane	1.020	0.15	1	0	102	84.3	133	0.97	5.03	0	0
Bromoform	0.9800	0.15	1	0	98.0	44.6	149	0.87	11.9	0	0
Bromomethane	1.130	0.15	1	0	113	78.7	144	0.98	14.2	0	0
Carbon disulfide	0.9900	0.15	1	0	99.0	76.9	109	0.9	9.52	0	0
Carbon tetrachloride	0.9900	0.030	1	0	99.0	71	120	0.89	10.6	0	0
Chlorobenzene	1.000	0.15	1	0	100	82.6	121	0.95	5.13	0	0
Chloroethane	1.170	0.15	1	0	117	67.1	146	0.99	16.7	0	0
Chloroform	1.050	0.15	1	0	105	82.5	125	0.97	7.92	0	0
Chloromethane	1.160	0.15	1	0	116	71.1	154	0.94	21.0	0	0
cis-1,2-Dichloroethene	1.010	0.040	1	0	101	71.2	112	0.95	6.12	0	0
cis-1,3-Dichloropropene	1.010	0.15	1	0	101	90.3	137	0.98	3.02	0	0
Cyclohexane	0.9900	0.15	1	0	99.0	87	122	0.98	1.02	0	0
Dibromochloromethane	0.9900	0.15	1	0	99.0	62.8	132	0.93	6.25	0	0
Ethyl acetate	1.010	0.15	1	0	101	86.9	134	0.96	5.08	0	0
Ethylbenzene	1.010	0.15	1	0	101	76.9	123	0.97	4.04	0	0
Freon 11	1.230	0.15	1	0	123	54.4	150	1.04	16.7	0	0
Freon 113	1.060	0.15	1	0	106	83.4	124	0.95	10.9	0	0
Freon 114	1.150	0.15	1	0	115	70.2	133	0.97	17.0	0	0
Freon 12	1.120	0.15	1	0	112	86.3	135	0.95	16.4	0	0
Heptane	0.9800	0.15	1	0	98.0	86.5	137	0.98	0	0	0

Qualifiers: J Results reported are not blank corrected
S Analyte detected below quantitation limit
S Spike Recovery outside accepted recovery limits
E Estimated Value above quantitation range
ND Not Detected at the Limit of Detection
DL Detection Limit
H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits

CLIENT: Matrix Environmental Technologies, Inc
Work Order: C2202013
Project: Aquino 65-67 Lake Ave

TestCode: 0.20_NYS

Sample ID: ALCS1UGD-020322		Sample Type: LCSD	TestCode: 0.20_NYS		Units: ppbV	Prep Date:		RunNo: 18586			
Client ID: ZZZZZ		Batch ID: R18586	TestNo: TO-15			Analysis Date: 2/3/2022		SeqNo: 211746			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexachloro-1,3-butadiene	1.020	0.15	1	0	102	48.1	160	0.86	17.0	0	0
Hexane	0.9600	0.15	1	0	96.0	77.3	128	0.85	12.2	0	0
Isopropyl alcohol	1.050	0.15	1	0	105	80.2	122	1.02	2.90	0	0
m,p-Xylene	2.080	0.30	2	0	104	77.9	132	1.91	8.52	0	0
Methyl Butyl Ketone	0.9900	0.30	1	0	99.0	69.4	131	0.95	4.12	0	0
Methyl Ethyl Ketone	1.050	0.30	1	0	105	71.5	117	0.97	7.92	0	0
Methyl Isobutyl Ketone	0.9600	0.30	1	0	96.0	63.5	141	0.92	4.26	0	0
Methyl tert-butyl ether	1.040	0.15	1	0	104	80.8	113	0.98	5.94	0	0
Methylene chloride	1.030	0.15	1	0	103	87.8	123	0.94	9.14	0	0
o-Xylene	1.010	0.15	1	0	101	80.5	139	0.88	13.8	0	0
Propylene	1.000	0.15	1	0	100	73.8	124	0.84	17.4	0	0
Styrene	1.010	0.15	1	0	101	82.7	138	0.86	16.0	0	0
Tetrachloroethylene	0.9800	0.15	1	0	98.0	85.9	122	0.92	6.32	0	0
Tetrahydrofuran	0.9700	0.15	1	0	97.0	65.5	134	0.95	2.08	0	0
Toluene	0.9800	0.15	1	0	98.0	77.8	127	0.92	6.32	0	0
trans-1,2-Dichloroethene	1.050	0.15	1	0	105	83.3	116	0.95	10.0	0	0
trans-1,3-Dichloropropene	1.040	0.15	1	0	104	84.8	134	1.08	3.77	0	0
Trichloroethene	0.9300	0.030	1	0	93.0	79.3	117	0.9	3.28	0	0
Vinyl acetate	1.010	0.15	1	0	101	70.5	101	0.93	8.25	0	0
Vinyl Bromide	1.130	0.15	1	0	113	81.4	142	0.95	17.3	0	0
Vinyl chloride	1.120	0.040	1	0	112	70.4	138	0.95	16.4	0	0

Qualifiers: . Results reported are not blank corrected
J Analyte detected below quantitation limit
S Spike Recovery outside accepted recovery limits

E Estimated Value above quantitation range
N/D Not Detected at the Limit of Detection
DL Detection Limit

H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits

Centek Laboratories
IDL Study1ug/m3 Detection Limit
JULY 2021Method TO-15
Units=ppb

Compound	Amt	IDL #1	IDL #2	IDL #3	IDL #4	IDL #5	IDL #6	IDL #7	AVG	StdDev	%Rec	IDL
Propylene	0.3	0.31	0.32	0.3	0.35	0.35	0.33	0.32	0.33	0.02	108.6%	0.060
Freon 12	0.3	0.3	0.33	0.3	0.34	0.34	0.35	0.35	0.33	0.02	110.0%	0.068
Chloromethane	0.3	0.33	0.35	0.3	0.36	0.36	0.35	0.37	0.35	0.02	115.2%	0.075
Freon 114	0.3	0.3	0.34	0.31	0.34	0.36	0.35	0.36	0.34	0.02	112.4%	0.074
Vinyl Chloride	0.3	0.31	0.35	0.31	0.34	0.36	0.35	0.35	0.34	0.02	112.9%	0.064
Butane	0.3	0.31	0.34	0.31	0.33	0.33	0.38	0.38	0.34	0.03	113.3%	0.093
1,3-butadiene	0.3	0.32	0.34	0.32	0.35	0.37	0.36	0.39	0.35	0.03	116.7%	0.081
Bromomethane	0.3	0.35	0.35	0.36	0.34	0.36	0.37	0.37	0.36	0.01	118.6%	0.036
Chloroethane	0.3	0.32	0.37	0.34	0.34	0.4	0.34	0.37	0.35	0.03	118.1%	0.085
Ethanol	0.3	0.36	0.41	0.37	0.34	0.39	0.33	0.38	0.37	0.03	122.9%	0.088
Acrolein	0.3	0.33	0.37	0.29	0.33	0.38	0.37	0.39	0.35	0.04	117.1%	0.112
Vinyl Bromide	0.3	0.3	0.33	0.32	0.35	0.35	0.35	0.37	0.34	0.02	112.9%	0.074
Freon 11	0.3	0.3	0.34	0.3	0.34	0.39	0.37	0.39	0.35	0.04	115.7%	0.120
Acetone	0.3	0.28	0.34	0.25	0.35	0.33	0.38	0.33	0.32	0.04	107.6%	0.138
Pentane	0.3	0.23	0.32	0.3	0.32	0.33	0.33	0.35	0.31	0.04	103.8%	0.122
Isopropyl alcohol	0.3	0.27	0.3	0.26	0.34	0.36	0.33	0.36	0.32	0.04	105.7%	0.129
1,1-dichloroethane	0.3	0.29	0.29	0.28	0.3	0.3	0.29	0.3	0.29	0.01	97.6%	0.024
Freon 113	0.3	0.3	0.32	0.29	0.33	0.33	0.32	0.34	0.32	0.02	106.2%	0.056
t-Butyl alcohol	0.3	0.31	0.29	0.32	0.34	0.35	0.35	0.37	0.33	0.03	111.0%	0.086
Methylene chloride	0.3	0.31	0.33	0.33	0.33	0.34	0.36	0.36	0.34	0.02	112.4%	0.057
Allyl chloride	0.3	0.29	0.34	0.32	0.31	0.36	0.34	0.33	0.33	0.02	109.0%	0.072
Carbon disulfide	0.3	0.33	0.35	0.33	0.35	0.35	0.36	0.37	0.35	0.01	116.2%	0.046
trans-1,2-dichloroethene	0.3	0.3	0.3	0.3	0.33	0.33	0.31	0.33	0.31	0.02	104.8%	0.048
methyl tert-butyl ether	0.3	0.31	0.31	0.31	0.34	0.35	0.34	0.36	0.33	0.02	110.5%	0.066
1,1-dichloroethane	0.3	0.3	0.33	0.3	0.34	0.34	0.33	0.35	0.33	0.02	109.0%	0.062
Vinyl acetate	0.3	0.28	0.3	0.3	0.33	0.33	0.32	0.34	0.31	0.02	104.8%	0.068
Methyl Ethyl Ketone	0.3	0.3	0.29	0.29	0.33	0.31	0.29	0.33	0.31	0.02	101.9%	0.057
cis-1,2-dichloroethene	0.3	0.28	0.3	0.29	0.31	0.31	0.3	0.32	0.30	0.01	100.5%	0.042
Hexane	0.3	0.27	0.29	0.3	0.3	0.28	0.3	0.31	0.29	0.01	97.6%	0.043
Ethyl acetate	0.3	0.3	0.3	0.32	0.33	0.34	0.33	0.34	0.32	0.02	107.6%	0.054
Chloroform	0.3	0.3	0.32	0.31	0.33	0.34	0.34	0.35	0.33	0.02	109.0%	0.057
Tetrahydrofuran	0.3	0.3	0.31	0.27	0.31	0.31	0.31	0.33	0.31	0.02	101.9%	0.057
1,2-dichloroethane	0.3	0.31	0.33	0.3	0.34	0.34	0.34	0.35	0.33	0.02	110.0%	0.057
1,1,1-trichloroethane	0.3	0.32	0.32	0.31	0.4	0.38	0.41	0.41	0.36	0.05	121.4%	0.144
Cyclohexane	0.3	0.27	0.29	0.28	0.31	0.3	0.31	0.31	0.30	0.02	98.6%	0.051
Carbon tetrachloride	0.3	0.29	0.31	0.29	0.38	0.38	0.4	0.42	0.35	0.05	117.6%	0.172
Benzene	0.3	0.3	0.3	0.3	0.33	0.32	0.31	0.32	0.31	0.01	103.8%	0.038
Methyl methacrylate	0.3	0.3	0.29	0.3	0.32	0.33	0.33	0.33	0.31	0.02	104.8%	0.054
1,4-dioxane	0.3	0.29	0.32	0.33	0.31	0.32	0.32	0.31	0.31	0.01	104.8%	0.040

Confidential

Centek Laboratories
IDL Study1ug/m3 Detection Limit
JULY 2021Method TO-15
Units=ppb

Compound	Amt	IDL #1	IDL #2	IDL #3	IDL #4	IDL #5	IDL #6	IDL #7	AVG	StdDev	%Rec	IDL
2,2,4-trimethylpentane	0.3	0.29	0.31	0.29	0.33	0.31	0.32	0.32	0.31	0.02	103.3%	0.048
Heptane	0.3	0.29	0.31	0.29	0.31	0.31	0.31	0.31	0.30	0.01	101.4%	0.031
Trichloroethene	0.3	0.26	0.27	0.25	0.29	0.28	0.3	0.3	0.28	0.02	92.9%	0.061
1,2-dichloropropane	0.3	0.32	0.32	0.3	0.34	0.34	0.35	0.35	0.33	0.02	110.5%	0.059
Bromodichloromethane	0.3	0.31	0.32	0.3	0.37	0.35	0.37	0.37	0.34	0.03	113.8%	0.097
cis-1,3-dichloropropene	0.3	0.29	0.31	0.31	0.36	0.34	0.37	0.38	0.34	0.03	112.4%	0.108
trans-1,3-dichloropropene	0.3	0.31	0.29	0.3	0.4	0.39	0.43	0.42	0.36	0.06	121.0%	0.190
1,1,2-trichloroethane	0.3	0.3	0.32	0.32	0.34	0.34	0.35	0.34	0.33	0.02	110.0%	0.054
Toluene	0.3	0.3	0.3	0.3	0.3	0.3	0.32	0.31	0.30	0.01	101.4%	0.025
Methyl Isobutyl Ketone	0.3	0.31	0.3	0.3	0.32	0.3	0.31	0.32	0.31	0.01	102.9%	0.028
Dibromochloromethane	0.3	0.31	0.31	0.31	0.36	0.35	0.37	0.37	0.34	0.03	113.3%	0.091
Methyl Butyl Ketone	0.3	0.3	0.27	0.28	0.3	0.29	0.3	0.31	0.29	0.01	97.6%	0.043
1,2-dibromoethane	0.3	0.31	0.31	0.29	0.35	0.35	0.36	0.35	0.33	0.03	110.5%	0.086
Tetrachloroethylene	0.3	0.3	0.31	0.3	0.32	0.32	0.32	0.33	0.31	0.01	104.8%	0.036
Chlorobenzene	0.3	0.29	0.31	0.29	0.33	0.32	0.34	0.33	0.32	0.02	105.2%	0.062
Ethylbenzene	0.3	0.28	0.3	0.28	0.3	0.3	0.3	0.31	0.30	0.01	98.6%	0.036
m&p-xylene	0.6	0.56	0.59	0.56	0.61	0.61	0.61	0.6	0.59	0.02	98.6%	0.071
Nonane	0.3	0.27	0.28	0.28	0.29	0.3	0.31	0.29	0.29	0.01	96.2%	0.042
Styrene	0.3	0.28	0.31	0.27	0.31	0.3	0.31	0.31	0.30	0.02	99.5%	0.053
Bromoform	0.3	0.3	0.31	0.3	0.37	0.36	0.38	0.38	0.34	0.04	114.3%	0.119
o-xylene	0.3	0.28	0.31	0.28	0.31	0.32	0.32	0.33	0.31	0.02	102.4%	0.062
Cumene	0.3	0.28	0.29	0.28	0.3	0.3	0.3	0.3	0.29	0.01	97.6%	0.030
Bromofluorobenzene	1	0.99	1.02	0.98	1.01	1	1.02	1.03	1.01	0.02	100.7%	0.057
1,1,2,2-tetrachloroethane	0.3	0.3	0.32	0.3	0.33	0.32	0.34	0.34	0.32	0.02	107.1%	0.053
Propylbenzene	0.3	0.27	0.28	0.26	0.3	0.29	0.28	0.3	0.28	0.01	94.3%	0.047
2-Chlorotoluene	0.3	0.29	0.3	0.27	0.31	0.32	0.32	0.32	0.30	0.02	101.4%	0.060
4-ethyltoluene	0.3	0.28	0.29	0.27	0.3	0.3	0.31	0.3	0.29	0.01	97.6%	0.043
1,3,5-trimethylbenzene	0.3	0.28	0.31	0.27	0.31	0.31	0.32	0.32	0.30	0.02	101.0%	0.062
1,2,4-trimethylbenzene	0.3	0.28	0.29	0.28	0.29	0.29	0.3	0.31	0.29	0.01	97.1%	0.034
1,3-dichlorobenzene	0.3	0.28	0.3	0.29	0.31	0.3	0.31	0.31	0.30	0.01	100.0%	0.036
benzyl chloride	0.3	0.28	0.29	0.29	0.34	0.35	0.39	0.38	0.33	0.05	110.5%	0.142
1,4-dichlorobenzene	0.3	0.28	0.29	0.28	0.31	0.3	0.31	0.31	0.30	0.01	99.0%	0.043
1,2,3-trimethylbenzene	0.3	0.28	0.29	0.28	0.3	0.29	0.3	0.3	0.29	0.01	97.1%	0.028
1,2-dichlorobenzene	0.3	0.28	0.28	0.28	0.31	0.3	0.31	0.31	0.30	0.02	98.6%	0.048
1,2,4-trichlorobenzene	0.3	0.25	0.28	0.25	0.27	0.27	0.27	0.26	0.26	0.01	88.1%	0.036
Naphthalene	0.3	0.23	0.26	0.24	0.25	0.26	0.27	0.27	0.25	0.02	84.8%	0.048
Hexachloro-1,3-butadiene	0.3	0.29	0.31	0.28	0.33	0.32	0.33	0.33	0.31	0.02	104.3%	0.065

Confidential

Method TO-15
Units=ppb0.04ug/m3 Detection Limit
JULY 2021Centek Laboratories
IDL Study

Compound	Amt	IDL #1	IDL #2	IDL #3	IDL #4	IDL #5	IDL #6	IDL #7	AVG	StdDev	%Rec	IDL
Vinyl Chloride	0.15	0.17	0.18	0.18	0.15	0.16	0.16	0.17	0.17	0.01	111.4%	0.035
1,1-dichloroethene	0.15	0.16	0.16	0.17	0.17	0.18	0.18	0.19	0.17	0.01	115.2%	0.035
cis-1,2-dichloroethene	0.15	0.21	0.22	0.22	0.22	0.22	0.23	0.22	0.22	0.01	146.7%	0.018
Carbon tetrachloride	0.15	0.11	0.11	0.11	0.09	0.09	0.09	0.09	0.10	0.01	65.7%	0.034
Trichloroethene	0.15	0.16	0.16	0.16	0.16	0.16	0.16	0.18	0.16	0.01	108.6%	0.024
Tetrachloroethylene	0.15	0.16	0.16	0.16	0.15	0.14	0.15	0.15	0.15	0.01	101.9%	0.024
Naphthalene	0.15	0.13	0.13	0.13	0.16	0.19	0.17	0.17	0.15	0.02	102.9%	0.077

GC/MS-Whole Air Calculations

Relative Response Factor (RRF)

$$RRF = \frac{A_x \cdot C_{is}}{A_{is} \cdot C_x}$$

where: A_x = area of the characteristic ion for the compound being measured
 A_{is} = area of the characteristic ion for the specific internal standard of the compound being measured
 C_x = concentration of the compound being measured (ppbv)
 C_{is} = concentration of the internal standard (ppbv)

Percent Relative Standard Deviation (%RSD)

$$\% RSD = \frac{\text{Standard deviation of RRF values} \cdot 100}{\text{mean RRF}}$$

Percent Difference (%D)

$$\% D = \frac{(RRF_c - \text{mean RRF}_i) \cdot 100}{\text{mean RRF}_i}$$

where: RRF_c = relative response factor from the continuing calibration
 mean RRF_i = mean relative response factor from the initial calibration

Sample Calculations

$$ppbv = \frac{A_x \cdot I_s \cdot D_f}{A_{is} \cdot RRF}$$

where: A_x = area of the characteristic ion for the compound being measured
 A_{is} = area of the characteristic ion for the specific internal standard of the compound being measured
 I_s = Concentration of the internal standard injected (ppbv)
 RRF = relative response factor for the compound being measured
 D_f = Dilution factor

GC/MS VOLATILES-WHOLE AIR

METHOD TO-15

SAMPLE DATA

Centek Laboratories, LLC

Date: 04-Feb-22

CLIENT: Matrix Environmental Technologies, Inc
 Lab Order: C2202013
 Project: Aquino 65-67 Lake Ave
 Lab ID: C2202013-001A

Client Sample ID: Building 1
 Tag Number: 1179,441
 Collection Date: 1/31/2022
 Matrix: AIR

Analyses	Result	DL	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		FLD				Analyst:
Lab Vacuum In	-5			"Hg		2/3/2022
Lab Vacuum Out	-30			"Hg		2/3/2022
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		TO-15				Analyst: RJP
1,1,1-Trichloroethane	< 0.15	0.15		ppbV	1	2/3/2022 5:16:00 PM
1,1,2,2-Tetrachloroethane	< 0.15	0.15		ppbV	1	2/3/2022 5:16:00 PM
1,1,2-Trichloroethane	< 0.15	0.15		ppbV	1	2/3/2022 5:16:00 PM
1,1-Dichloroethane	< 0.15	0.15		ppbV	1	2/3/2022 5:16:00 PM
1,1-Dichloroethene	< 0.040	0.040		ppbV	1	2/3/2022 5:16:00 PM
1,2,4-Trichlorobenzene	< 0.15	0.15		ppbV	1	2/3/2022 5:16:00 PM
1,2,4-Trimethylbenzene	< 0.15	0.15		ppbV	1	2/3/2022 5:16:00 PM
1,2-Dibromoethane	< 0.15	0.15		ppbV	1	2/3/2022 5:16:00 PM
1,2-Dichlorobenzene	< 0.15	0.15		ppbV	1	2/3/2022 5:16:00 PM
1,2-Dichloroethane	< 0.15	0.15		ppbV	1	2/3/2022 5:16:00 PM
1,2-Dichloropropane	< 0.15	0.15		ppbV	1	2/3/2022 5:16:00 PM
1,3,5-Trimethylbenzene	< 0.15	0.15		ppbV	1	2/3/2022 5:16:00 PM
1,3-butadiene	< 0.15	0.15		ppbV	1	2/3/2022 5:16:00 PM
1,3-Dichlorobenzene	< 0.15	0.15		ppbV	1	2/3/2022 5:16:00 PM
1,4-Dichlorobenzene	< 0.15	0.15		ppbV	1	2/3/2022 5:16:00 PM
1,4-Dioxane	< 0.30	0.30		ppbV	1	2/3/2022 5:16:00 PM
2,2,4-trimethylpentane	0.13	0.15	J	ppbV	1	2/3/2022 5:16:00 PM
4-ethyltoluene	< 0.15	0.15		ppbV	1	2/3/2022 5:16:00 PM
Acetone	3.6	1.2		ppbV	4	2/4/2022 4:51:00 AM
Allyl chloride	< 0.15	0.15		ppbV	1	2/3/2022 5:16:00 PM
Benzene	0.52	0.15		ppbV	1	2/3/2022 5:16:00 PM
Benzyl chloride	< 0.15	0.15		ppbV	1	2/3/2022 5:16:00 PM
Bromodichloromethane	< 0.15	0.15		ppbV	1	2/3/2022 5:16:00 PM
Bromoform	< 0.15	0.15		ppbV	1	2/3/2022 5:16:00 PM
Bromomethane	< 0.15	0.15		ppbV	1	2/3/2022 5:16:00 PM
Carbon disulfide	< 0.15	0.15		ppbV	1	2/3/2022 5:16:00 PM
Carbon tetrachloride	0.060	0.030		ppbV	1	2/3/2022 5:16:00 PM
Chlorobenzene	< 0.15	0.15		ppbV	1	2/3/2022 5:16:00 PM
Chloroethane	< 0.15	0.15		ppbV	1	2/3/2022 5:16:00 PM
Chloroform	0.16	0.15		ppbV	1	2/3/2022 5:16:00 PM
Chloromethane	0.66	0.15		ppbV	1	2/3/2022 5:16:00 PM
cis-1,2-Dichloroethene	< 0.040	0.040		ppbV	1	2/3/2022 5:16:00 PM
cis-1,3-Dichloropropene	< 0.15	0.15		ppbV	1	2/3/2022 5:16:00 PM
Cyclohexane	< 0.15	0.15		ppbV	1	2/3/2022 5:16:00 PM
Dibromochloromethane	< 0.15	0.15		ppbV	1	2/3/2022 5:16:00 PM
Ethyl acetate	< 0.15	0.15		ppbV	1	2/3/2022 5:16:00 PM

Qualifiers: SC Sub-Contracted
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 JN Non-routine analyte. Quantitation estimated.
 S Spike Recovery outside accepted recovery limits

Results reported are not blank corrected
 E Estimated Value above quantitation range
 J Analyte detected below quantitation limit
 ND Not Detected at the Limit of Detection
 DL Detection Limit

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Centek Laboratories, LLC

Date: 04-Feb-22

CLIENT: Matrix Environmental Technologies, Inc
 Lab Order: C2202013
 Project: Aquino 65-67 Lake Ave
 Lab ID: C2202013-001A

Client Sample ID: Building 1
 Tag Number: 1179,441
 Collection Date: 1/31/2022
 Matrix: AIR

Analyses	Result	DL	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		TO-15		Analyst: RJP		
Ethylbenzene	0.15	0.15		ppbV	1	2/3/2022 5:16:00 PM
Freon 11	0.22	0.15		ppbV	1	2/3/2022 5:16:00 PM
Freon 113	< 0.15	0.15		ppbV	1	2/3/2022 5:16:00 PM
Freon 114	< 0.15	0.15		ppbV	1	2/3/2022 5:16:00 PM
Freon 12	0.44	0.15		ppbV	1	2/3/2022 5:16:00 PM
Heptane	0.21	0.15		ppbV	1	2/3/2022 5:16:00 PM
Hexachloro-1,3-butadiene	< 0.15	0.15		ppbV	1	2/3/2022 5:16:00 PM
Hexane	0.35	0.15		ppbV	1	2/3/2022 5:16:00 PM
Isopropyl alcohol	1.5	0.15		ppbV	1	2/3/2022 5:16:00 PM
m&p-Xylene	0.46	0.30		ppbV	1	2/3/2022 5:16:00 PM
Methyl Butyl Ketone	< 0.30	0.30		ppbV	1	2/3/2022 5:16:00 PM
Methyl Ethyl Ketone	0.41	0.30		ppbV	1	2/3/2022 5:16:00 PM
Methyl Isobutyl Ketone	< 0.30	0.30		ppbV	1	2/3/2022 5:16:00 PM
Methyl tert-butyl ether	< 0.15	0.15		ppbV	1	2/3/2022 5:16:00 PM
Methylene chloride	0.21	0.15		ppbV	1	2/3/2022 5:16:00 PM
o-Xylene	0.14	0.15	J	ppbV	1	2/3/2022 5:16:00 PM
Propylene	< 0.15	0.15		ppbV	1	2/3/2022 5:16:00 PM
Styrene	< 0.15	0.15		ppbV	1	2/3/2022 5:16:00 PM
Tetrachloroethylene	0.44	0.15		ppbV	1	2/3/2022 5:16:00 PM
Tetrahydrofuran	< 0.15	0.15		ppbV	1	2/3/2022 5:16:00 PM
Toluene	1.4	0.15		ppbV	1	2/3/2022 5:16:00 PM
trans-1,2-Dichloroethene	< 0.15	0.15		ppbV	1	2/3/2022 5:16:00 PM
trans-1,3-Dichloropropene	< 0.15	0.15		ppbV	1	2/3/2022 5:16:00 PM
Trichloroethene	0.050	0.030		ppbV	1	2/3/2022 5:16:00 PM
Vinyl acetate	< 0.15	0.15		ppbV	1	2/3/2022 5:16:00 PM
Vinyl Bromide	< 0.15	0.15		ppbV	1	2/3/2022 5:16:00 PM
Vinyl chloride	< 0.040	0.040		ppbV	1	2/3/2022 5:16:00 PM
Surr: Bromofluorobenzene	91.0	47-124		%REC	1	2/3/2022 5:16:00 PM

Qualifiers: SC Sub-Contracted
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 JN Non-routine analyte. Quantitation estimated.
 S Spike Recovery outside accepted recovery limits

. Results reported are not blank corrected
 E Estimated Value above quantitation range
 J Analyte detected below quantitation limit
 ND Not Detected at the Limit of Detection
 DL Detection Limit

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Centek Laboratories, LLC

Date: 04-Feb-22

CLIENT: Matrix Environmental Technologies, Inc

Client Sample ID: Building 1

Lab Order: C2202013

Tag Number: 1179,441

Project: Aquino 65-67 Lake Ave

Collection Date: 1/31/2022

Lab ID: C2202013-001A

Matrix: AIR

Analyses	Result	DL	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		TO-15		Analyst: RJP		
1,1,1-Trichloroethane	< 0.82	0.82		ug/m3	1	2/3/2022 5:16:00 PM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		ug/m3	1	2/3/2022 5:16:00 PM
1,1,2-Trichloroethane	< 0.82	0.82		ug/m3	1	2/3/2022 5:16:00 PM
1,1-Dichloroethane	< 0.61	0.61		ug/m3	1	2/3/2022 5:16:00 PM
1,1-Dichloroethene	< 0.16	0.16		ug/m3	1	2/3/2022 5:16:00 PM
1,2,4-Trichlorobenzene	< 1.1	1.1		ug/m3	1	2/3/2022 5:16:00 PM
1,2,4-Trimethylbenzene	< 0.74	0.74		ug/m3	1	2/3/2022 5:16:00 PM
1,2-Dibromoethane	< 1.2	1.2		ug/m3	1	2/3/2022 5:16:00 PM
1,2-Dichlorobenzene	< 0.90	0.90		ug/m3	1	2/3/2022 5:16:00 PM
1,2-Dichloroethane	< 0.61	0.61		ug/m3	1	2/3/2022 5:16:00 PM
1,2-Dichloropropane	< 0.69	0.69		ug/m3	1	2/3/2022 5:16:00 PM
1,3,5-Trimethylbenzene	< 0.74	0.74		ug/m3	1	2/3/2022 5:16:00 PM
1,3-butadiene	< 0.33	0.33		ug/m3	1	2/3/2022 5:16:00 PM
1,3-Dichlorobenzene	< 0.90	0.90		ug/m3	1	2/3/2022 5:16:00 PM
1,4-Dichlorobenzene	< 0.90	0.90		ug/m3	1	2/3/2022 5:16:00 PM
1,4-Dioxane	< 1.1	1.1		ug/m3	1	2/3/2022 5:16:00 PM
2,2,4-trimethylpentane	0.61	0.70	J	ug/m3	1	2/3/2022 5:16:00 PM
4-ethyltoluene	< 0.74	0.74		ug/m3	1	2/3/2022 5:16:00 PM
Acetone	8.6	2.8		ug/m3	4	2/4/2022 4:51:00 AM
Allyl chloride	< 0.47	0.47		ug/m3	1	2/3/2022 5:16:00 PM
Benzene	1.7	0.48		ug/m3	1	2/3/2022 5:16:00 PM
Benzyl chloride	< 0.86	0.86		ug/m3	1	2/3/2022 5:16:00 PM
Bromodichloromethane	< 1.0	1.0		ug/m3	1	2/3/2022 5:16:00 PM
Bromoform	< 1.6	1.6		ug/m3	1	2/3/2022 5:16:00 PM
Bromomethane	< 0.58	0.58		ug/m3	1	2/3/2022 5:16:00 PM
Carbon disulfide	< 0.47	0.47		ug/m3	1	2/3/2022 5:16:00 PM
Carbon tetrachloride	0.38	0.19		ug/m3	1	2/3/2022 5:16:00 PM
Chlorobenzene	< 0.69	0.69		ug/m3	1	2/3/2022 5:16:00 PM
Chloroethane	< 0.40	0.40		ug/m3	1	2/3/2022 5:16:00 PM
Chloroform	0.78	0.73		ug/m3	1	2/3/2022 5:16:00 PM
Chloromethane	1.4	0.31		ug/m3	1	2/3/2022 5:16:00 PM
cis-1,2-Dichloroethene	< 0.16	0.16		ug/m3	1	2/3/2022 5:16:00 PM
cis-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	2/3/2022 5:16:00 PM
Cyclohexane	< 0.52	0.52		ug/m3	1	2/3/2022 5:16:00 PM
Dibromochloromethane	< 1.3	1.3		ug/m3	1	2/3/2022 5:16:00 PM
Ethyl acetate	< 0.54	0.54		ug/m3	1	2/3/2022 5:16:00 PM
Ethylbenzene	0.65	0.65		ug/m3	1	2/3/2022 5:16:00 PM
Freon 11	1.2	0.84		ug/m3	1	2/3/2022 5:16:00 PM
Freon 113	< 1.1	1.1		ug/m3	1	2/3/2022 5:16:00 PM
Freon 114	< 1.0	1.0		ug/m3	1	2/3/2022 5:16:00 PM

Qualifiers: SC Sub-Contracted
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 JN Non-routine analyte. Quantitation estimated.
 S Spike Recovery outside accepted recovery limits

Results reported are not blank corrected
 E Estimated Value above quantitation range
 J Analyte detected below quantitation limit
 ND Not Detected at the Limit of Detection
 DL Detection Limit

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Centek Laboratories, LLC

Date: 04-Feb-22

CLIENT: Matrix Environmental Technologies, Inc
 Lab Order: C2202013
 Project: Aquino 65-67 Lake Ave
 Lab ID: C2202013-001A

Client Sample ID: Building 1
 Tag Number: 1179,441
 Collection Date: 1/31/2022
 Matrix: AIR

Analyses	Result	DL	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		TO-15		Analyst: RJP		
Freon 12	2.2	0.74		ug/m3	1	2/3/2022 5:16:00 PM
Heptane	0.86	0.61		ug/m3	1	2/3/2022 5:16:00 PM
Hexachloro-1,3-butadiene	< 1.6	1.6		ug/m3	1	2/3/2022 5:16:00 PM
Hexane	1.2	0.53		ug/m3	1	2/3/2022 5:16:00 PM
Isopropyl alcohol	3.7	0.37		ug/m3	1	2/3/2022 5:16:00 PM
m&p-Xylene	2.0	1.3		ug/m3	1	2/3/2022 5:16:00 PM
Methyl Butyl Ketone	< 1.2	1.2		ug/m3	1	2/3/2022 5:16:00 PM
Methyl Ethyl Ketone	1.2	0.88		ug/m3	1	2/3/2022 5:16:00 PM
Methyl Isobutyl Ketone	< 1.2	1.2		ug/m3	1	2/3/2022 5:16:00 PM
Methyl tert-butyl ether	< 0.54	0.54		ug/m3	1	2/3/2022 5:16:00 PM
Methylene chloride	0.73	0.52		ug/m3	1	2/3/2022 5:16:00 PM
o-Xylene	0.61	0.65	J	ug/m3	1	2/3/2022 5:16:00 PM
Propylene	< 0.26	0.26		ug/m3	1	2/3/2022 5:16:00 PM
Styrene	< 0.64	0.64		ug/m3	1	2/3/2022 5:16:00 PM
Tetrachloroethylene	3.0	1.0		ug/m3	1	2/3/2022 5:16:00 PM
Tetrahydrofuran	< 0.44	0.44		ug/m3	1	2/3/2022 5:16:00 PM
Toluene	5.4	0.57		ug/m3	1	2/3/2022 5:16:00 PM
trans-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	2/3/2022 5:16:00 PM
trans-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	2/3/2022 5:16:00 PM
Trichloroethene	0.27	0.16		ug/m3	1	2/3/2022 5:16:00 PM
Vinyl acetate	< 0.53	0.53		ug/m3	1	2/3/2022 5:16:00 PM
Vinyl Bromide	< 0.66	0.66		ug/m3	1	2/3/2022 5:16:00 PM
Vinyl chloride	< 0.10	0.10		ug/m3	1	2/3/2022 5:16:00 PM

Qualifiers: SC Sub-Contracted
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 JN Non-routine analyte. Quantitation estimated.
 S Spike Recovery outside accepted recovery limits

Results reported are not blank corrected
 E Estimated Value above quantitation range
 J Analyte detected below quantitation limit
 ND Not Detected at the Limit of Detection
 DL Detection Limit

Page 2 of 14

Data File : C:\HPCHEM\1\DATA\AT020313.D

Vial: 9

Acq On : 3 Feb 2022 5:16 pm

Operator: RJP

Sample : C2202013-001A

Inst : MSD #1

Misc : A201_1UG

Multiplr: 1.00

MS Integration Params: RTEINT.P

Quant Time: Feb 04 08:24:31 2022

Quant Results File: A201_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A201_1UG.M (RTE Integrator)

Title : TO-15 VOA Standards for 5 point calibration

Last Update : Wed Feb 02 07:40:12 2022

Response via : Initial Calibration

DataAcq Meth : 1UG_ENT

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	9.73	128	38077	1.00	ppb	-0.02
35) 1,4-difluorobenzene	12.03	114	169475	1.00	ppb	-0.01
50) Chlorobenzene-d5	16.85	117	137317	1.00	ppb	-0.02

System Monitoring Compounds

65) Bromofluorobenzene	18.64	95	91823	0.91	ppb	-0.01
Spiked Amount	1.000	Range	70 - 130	Recovery	=	91.00%

Target Compounds

						Qvalue
3) Freon 12	4.15	85	116253	0.44	ppb	100
4) Chloromethane	4.35	50	42840	0.66	ppb	89
14) Freon 11	5.77	101	63322	0.22	ppb	98
15) Acetone	5.92	58	103291	3.82	ppb	86
17) Isopropyl alcohol	6.04	45	124847	1.50	ppb	86
21) Methylene chloride	6.97	84	10673	0.21	ppb	96
28) Methyl Ethyl Ketone	8.84	72	9659	0.41	ppb	# 100
30) Hexane	8.88	57	23080	0.35	ppb	95
32) Chloroform	9.89	83	26228	0.16	ppb	97
38) Carbon tetrachloride	11.38	117	15544	0.06	ppb	99
39) Benzene	11.33	78	81352	0.52	ppb	93
42) 2,2,4-trimethylpentane	12.20	57	26746	0.13	ppb	# 69
43) Heptane	12.55	43	14751	0.21	ppb	91
44) Trichloroethene	12.69	130	4591	0.05	ppb	94
51) Toluene	14.80	92	152287	1.43	ppb	99
56) Tetrachloroethylene	15.87	164	36885	0.44	ppb	97
58) Ethylbenzene	17.18	91	36255	0.15	ppb	99
59) m&p-xylene	17.36	91	96724	0.46	ppb	97
63) o-xylene	17.90	91	31805	0.14	ppb	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed
 AT020313.D A201_1UG.M Fri Feb 04 14:28:18 2022 MSD1

Quantitation Report (QT Reviewed)

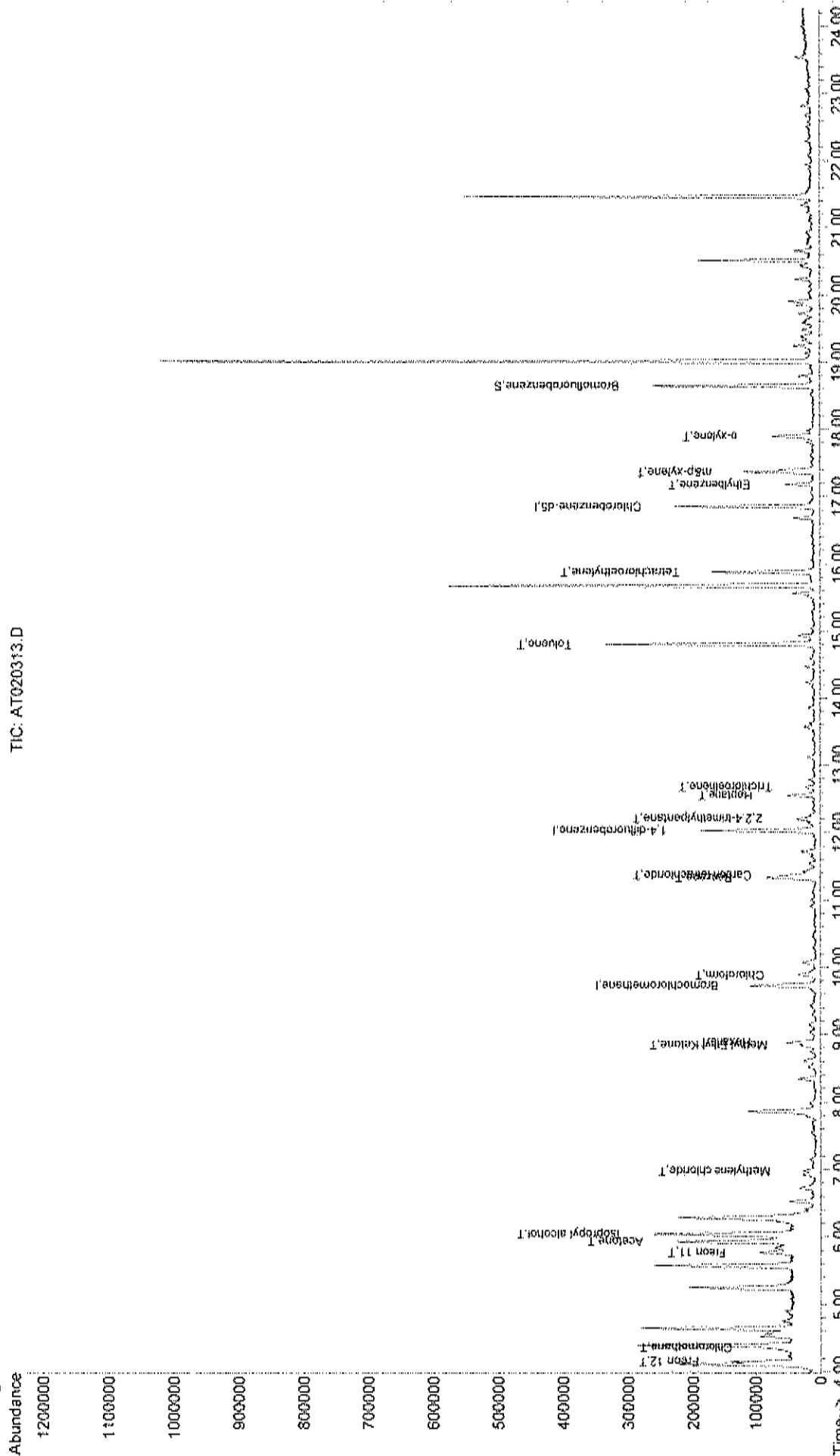
Data File : C:\HPCHEM\1\DATA\AT020313.D
 Acq On : 3 Feb 2022 5:16 pm
 Sample : C2202013-001A
 Misc : A201_IUG
 MS Integration Params: RTEINT.P
 Quant Time: Feb 4 8:36 2022

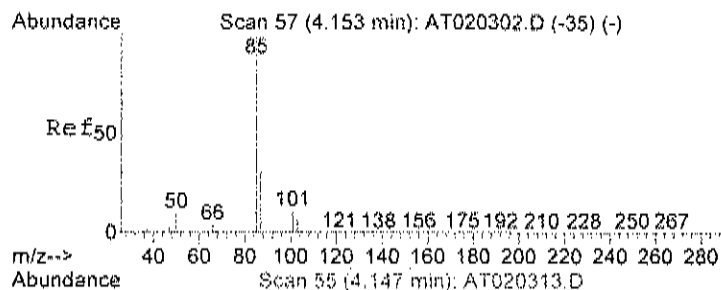
Vial: 9
 Operator: RJP
 Inst : MSD #1
 Multiplr: 1.00

Quant Results File: A201_IUG.RES

Method : C:\HPCHEM\1\METHODS\A201_IUG.M (RTE Integrator)
 Title : TO-15 VOA Standards for 5 point calibration
 Last Update : Fri Feb 04 14:02:12 2022
 Response via : Initial Calibration

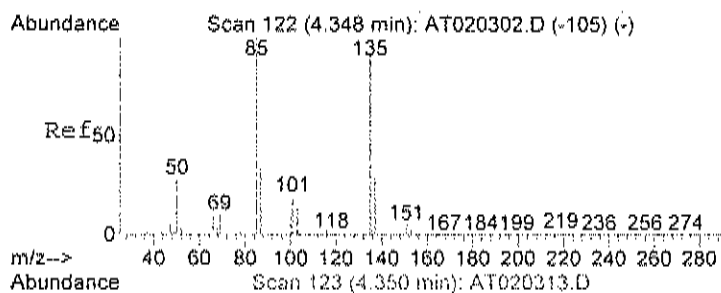
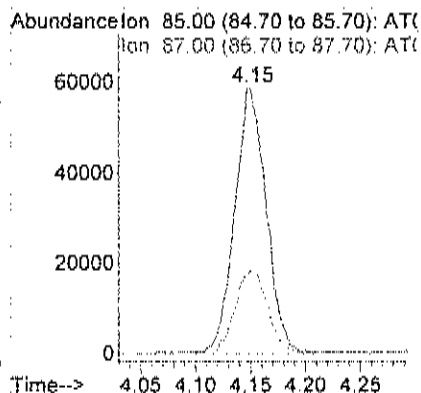
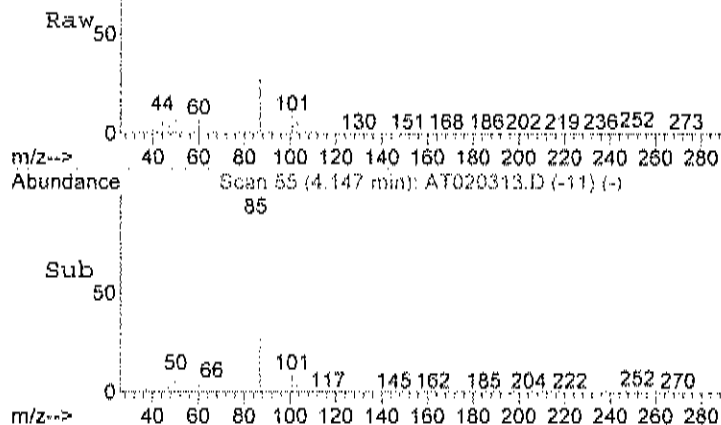
TIC: AT020313.D





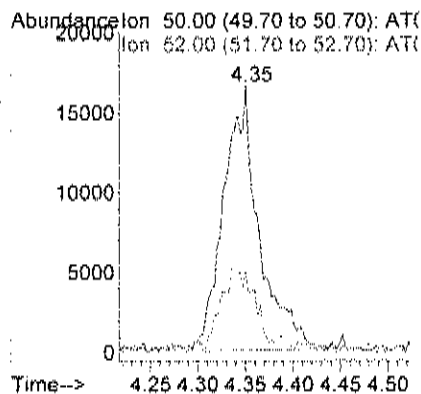
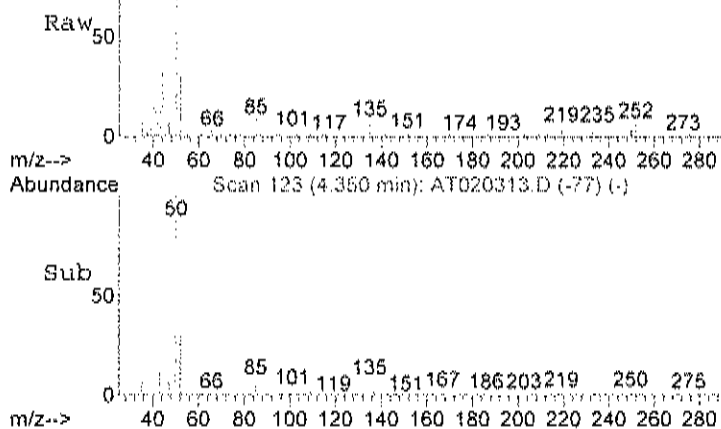
#3
Freon 12
Concen: 0.44 ppb
RT: 4.15 min Scan# 55
Delta R.T. -0.02 min
Lab File: AT020313.D
Acq: 3 Feb 2022 5:16 pm

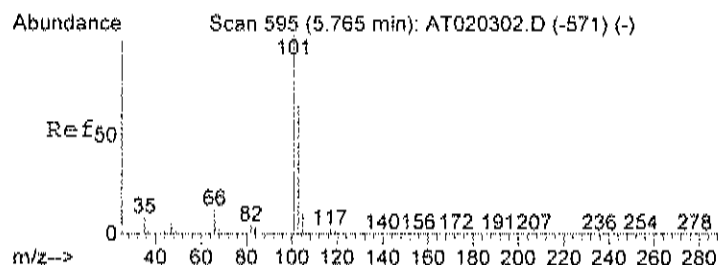
Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.8	12.9	52.9



#4
Chloromethane
Concen: 0.66 ppb
RT: 4.35 min Scan# 123
Delta R.T. -0.01 min
Lab File: AT020313.D
Acq: 3 Feb 2022 5:16 pm

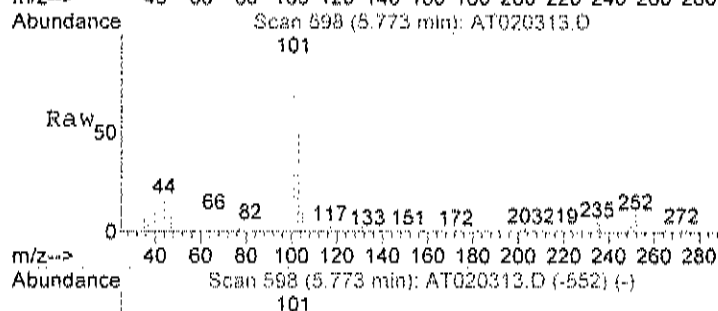
Tgt Ion	Ratio	Lower	Upper
50	100		
52	32.5	6.9	46.9





#14
Freon 11
Concen: 0.22 ppb
RT: 5.77 min Scan# 598
Delta R.T. -0.01 min
Lab File: AT020313.D
Acq: 3 Feb 2022 5:16 pm

Tgt Ion	Ratio	Lower	Upper
101	100		
103	64.5	45.9	85.9
105	11.7	0.0	30.8

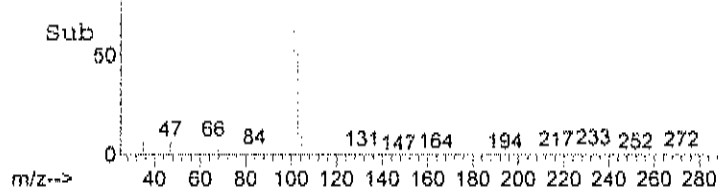
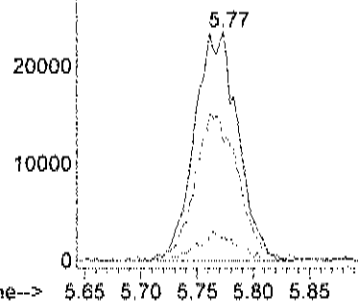


Abundance

Ion 101.00 (100.70 to 101.70):

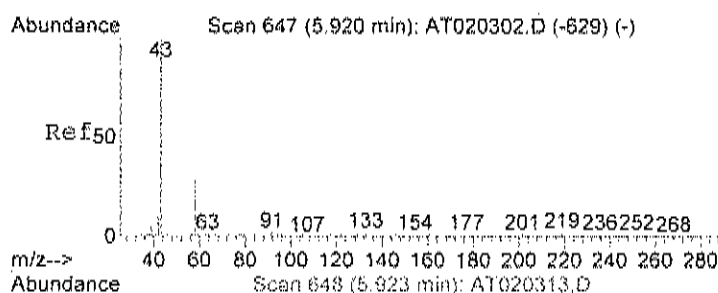
Ion 103.00 (102.70 to 103.70):

Ion 105.00 (104.70 to 105.70):



#15
Acetone
Concen: 3.82 ppb
RT: 5.92 min Scan# 648
Delta R.T. -0.03 min
Lab File: AT020313.D
Acq: 3 Feb 2022 5:16 pm

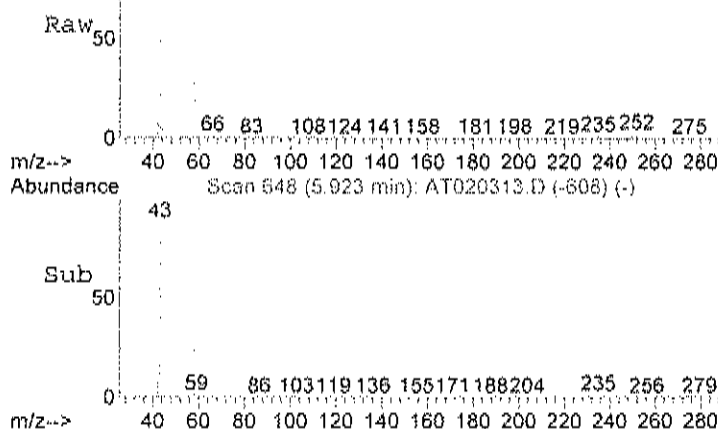
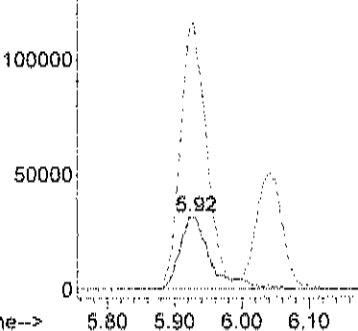
Tgt Ion	Ratio	Lower	Upper
58	100		
43	305.6	249.9	309.9

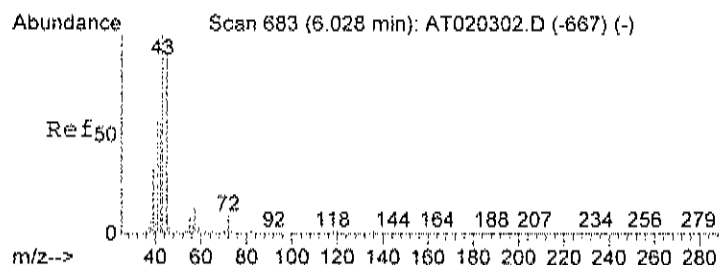


Abundance

Ion 58.00 (57.70 to 58.70): AT(

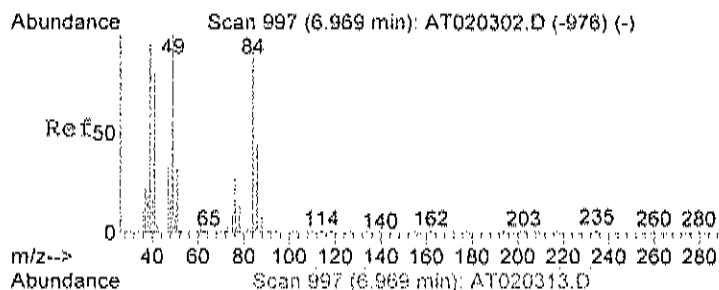
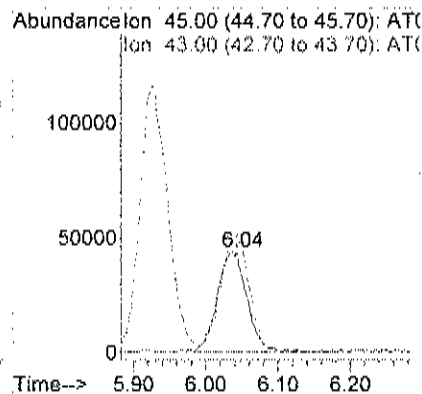
Ion 43.00 (42.70 to 43.70): AT(





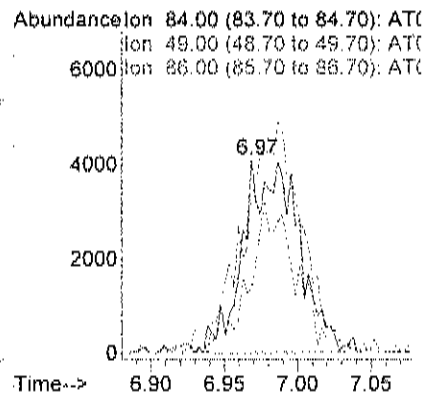
#17
Isopropyl alcohol
Concen: 1.50 ppb
RT: 6.04 min Scan# 688
Delta R.T. -0.02 min
Lab File: AT020313.D
Acq: 3 Feb 2022 5:16 pm

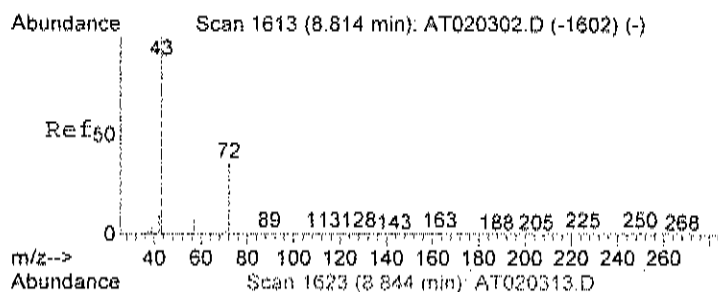
Tgt Ion:	45	Resp:	124847
Ion Ratio	Lower	Upper	
45	100		
43	112.4	109.1	149.1



#21
Methylene chloride
Concen: 0.21 ppb
RT: 6.97 min Scan# 997
Delta R.T. -0.03 min
Lab File: AT020313.D
Acq: 3 Feb 2022 5:16 pm

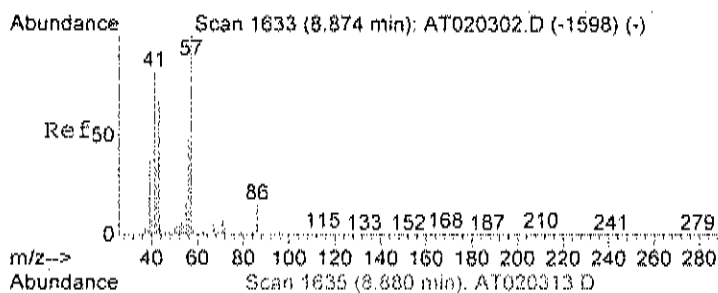
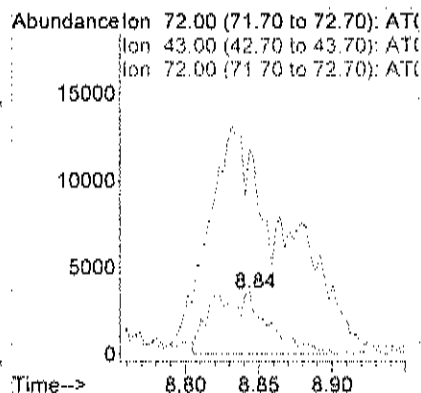
Tgt Ion:	84	Resp:	10673
Ion Ratio	Lower	Upper	
84	100		
49	123.1	96.8	136.8
86	66.1	45.5	85.5





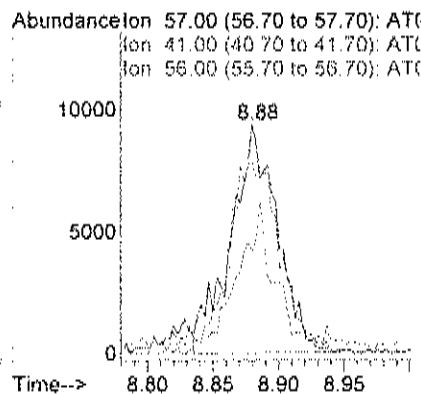
#28
Methyl Ethyl Ketone
Concen: 0.41 ppb
RT: 8.84 min Scan# 1623
Delta R.T. -0.00 min
Lab File: AT020313.D
Acq: 3 Feb 2022 5:16 pm

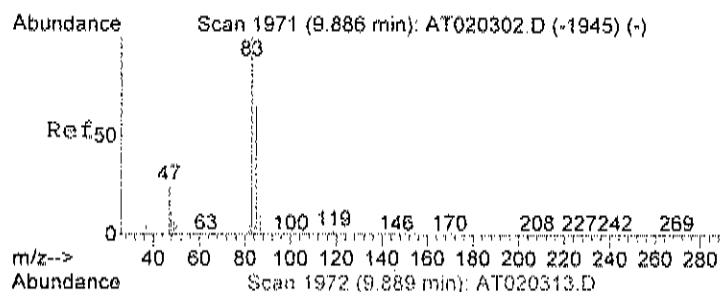
Tgt Ion	Ratio	Lower	Upper
72	100		
43	506.3	0.0	20.0#
72	100.0	80.0	120.0



#30
Hexane
Concen: 0.35 ppb
RT: 8.88 min Scan# 1635
Delta R.T. -0.03 min
Lab File: AT020313.D
Acq: 3 Feb 2022 5:16 pm

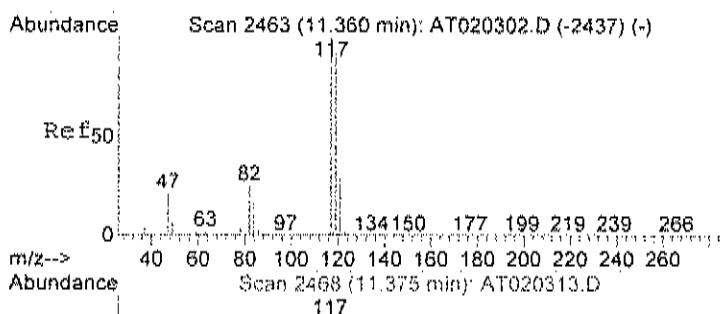
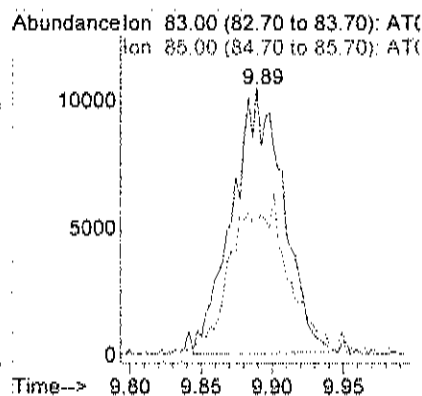
Tgt Ion	Ratio	Lower	Upper
57	100		
41	88.3	61.2	101.2
56	54.9	34.3	74.3





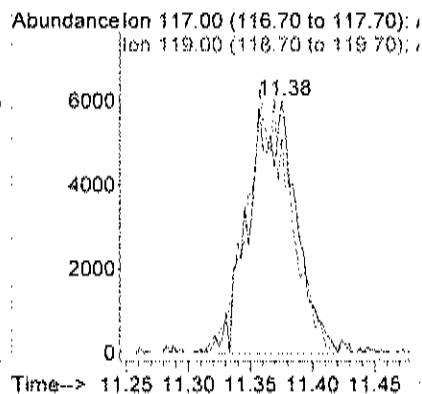
#32
Chloroform
Concen: 0.16 ppb
RT: 9.89 min Scan# 1972
Delta R.T. -0.02 min
Lab File: AT020313.D
Acq: 3 Feb 2022 5:16 pm

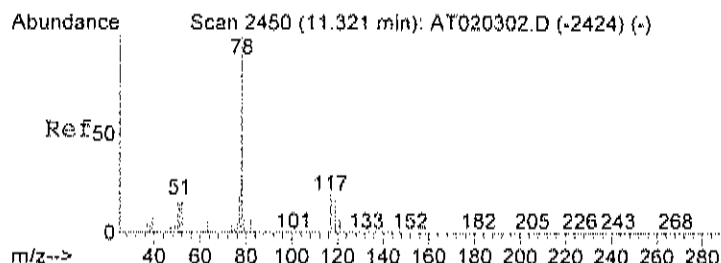
Tgt Ion: 83 Resp: 26228
Ion Ratio Lower Upper
83 100
85 68.0 45.3 85.3



#38
Carbon tetrachloride
Concen: 0.06 ppb
RT: 11.38 min Scan# 2468
Delta R.T. -0.01 min
Lab File: AT020313.D
Acq: 3 Feb 2022 5:16 pm

Tgt Ion: 117 Resp: 15544
Ion Ratio Lower Upper
117 100
119 97.4 76.8 116.8





#39

Benzene

Concen: 0.52 ppb

RT: 11.33 min Scan# 2454

Delta R.T. -0.02 min

Lab File: AT020313.D

Acq: 3 Feb 2022 5:16 pm

Tgt Ion: 78 Resp: 81352

Ion Ratio Lower Upper

78 100

77 24.5 3.3 43.3

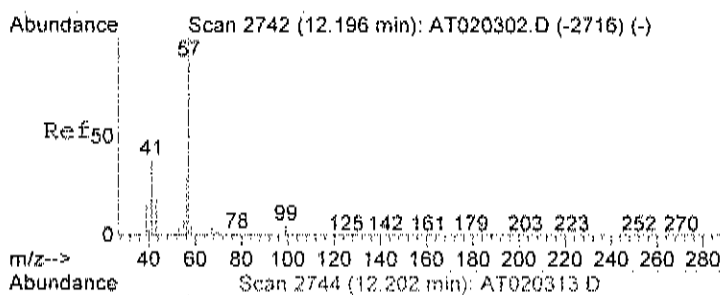
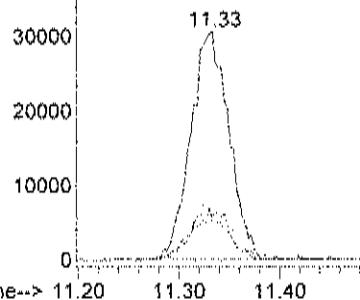
51 20.9 0.0 35.1

Abundance

Ion 78.00 (77.70 to 78.70): AT(

Ion 77.00 (76.70 to 77.70): AT(

Ion 51.00 (50.70 to 51.70): AT(



#42

2,2,4-trimethylpentane

Concen: 0.13 ppb

RT: 12.20 min Scan# 2744

Delta R.T. -0.02 min

Lab File: AT020313.D

Acq: 3 Feb 2022 5:16 pm

Tgt Ion: 57 Resp: 26746

Ion Ratio Lower Upper

57 100

41 57.1 12.0 52.0#

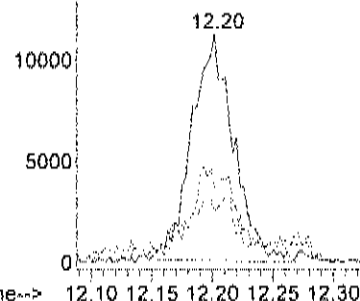
56 43.1 13.4 53.4

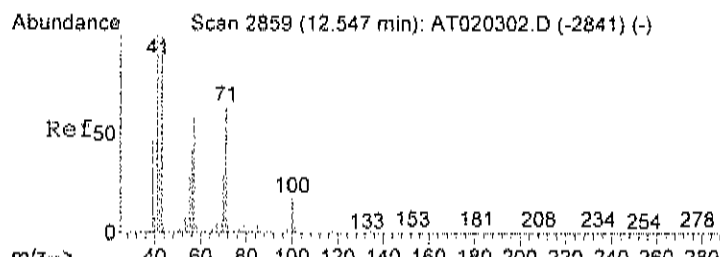
Abundance

Ion 57.00 (56.70 to 57.70): AT(

Ion 41.00 (40.70 to 41.70): AT(

Ion 56.00 (55.70 to 56.70): AT(





#43

Heptane

Concen: 0.21 ppb

RT: 12.55 min Scan# 2861

Delta R.T. -0.02 min

Lab File: AT020313.D

Acq: 3 Feb 2022 5:16 pm

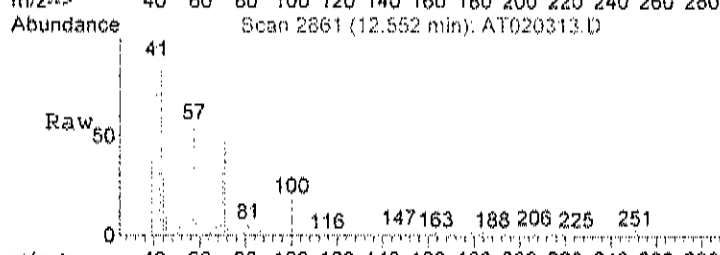
Tgt Ion: 43 Resp: 14751

Ion Ratio Lower Upper

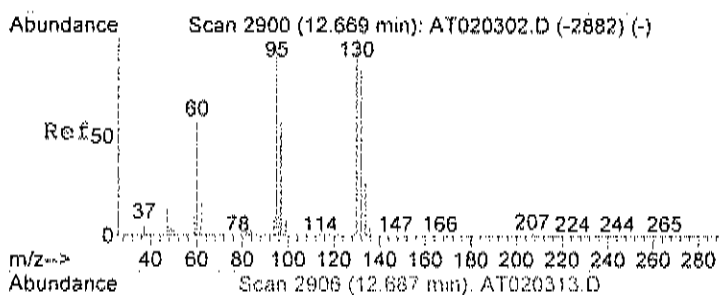
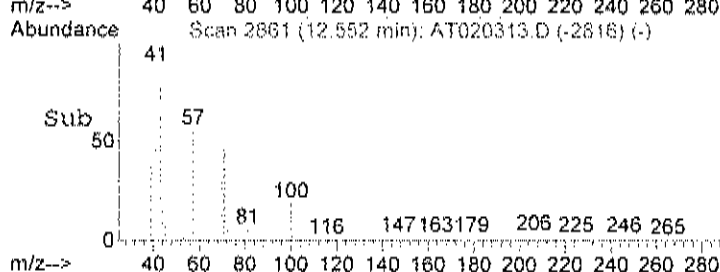
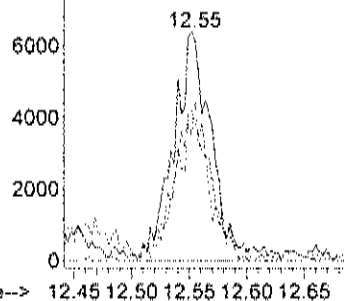
43 100

57 65.5 37.9 77.9

71 56.9 43.1 83.1



Abundance Ion 43.00 (42.70 to 43.70): AT
Ion 57.00 (56.70 to 57.70): AT
Ion 71.00 (70.70 to 71.70): AT



#44

Trichloroethene

Concen: 0.05 ppb

RT: 12.69 min Scan# 2906

Delta R.T. -0.00 min

Lab File: AT020313.D

Acq: 3 Feb 2022 5:16 pm

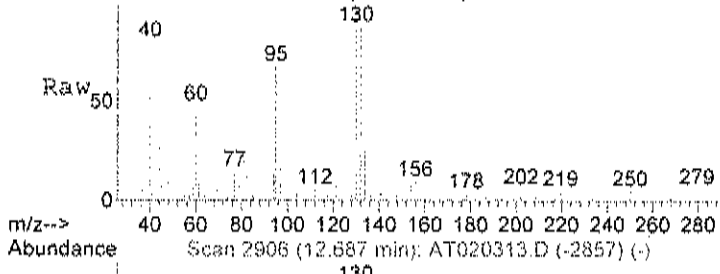
Tgt Ion: 130 Resp: 4591

Ion Ratio Lower Upper

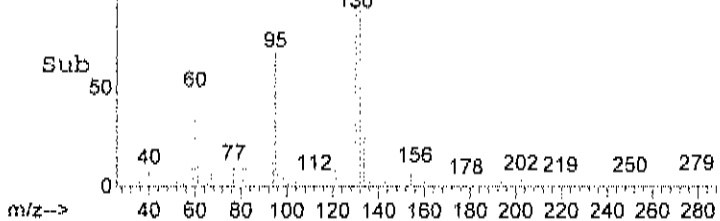
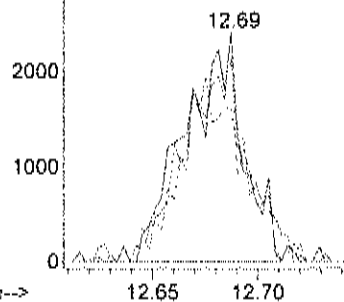
130 100

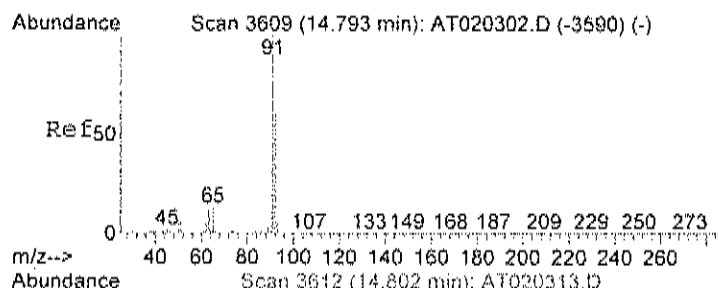
132 89.3 76.0 116.0

95 92.9 77.6 117.6



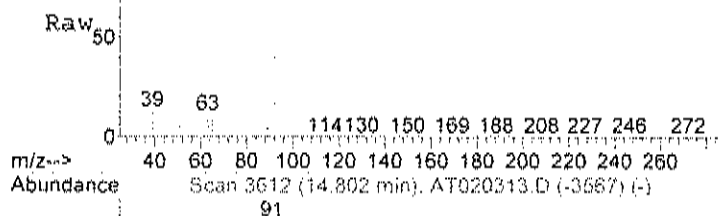
Abundance Ion 130.00 (129.70 to 130.70):
Ion 132.00 (131.70 to 132.70):
Ion 95.00 (94.70 to 95.70): AT



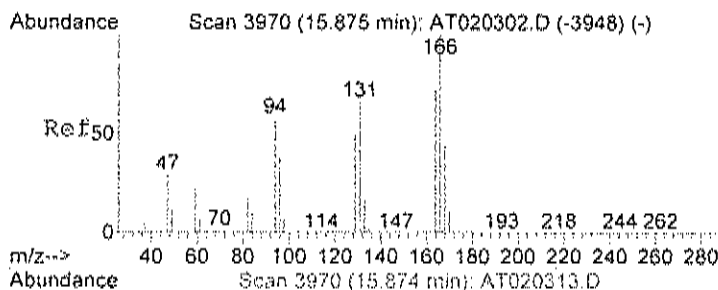
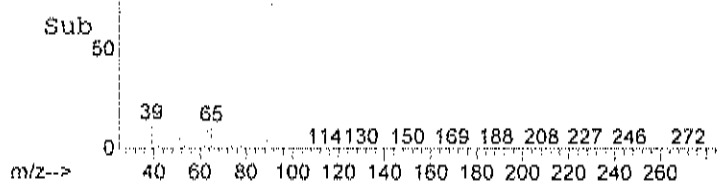
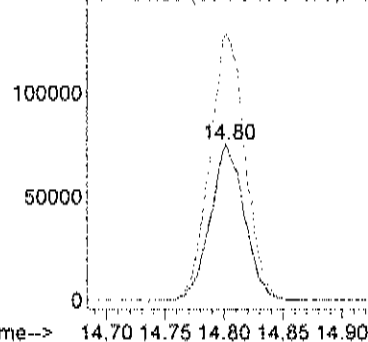


#51
Toluene
Concen: 1.43 ppb
RT: 14.80 min Scan# 3612
Delta R.T. -0.02 min
Lab File: AT020313.D
Acq: 3 Feb 2022 5:16 pm

Tgt Ion: 92 Resp: 152287
Ion Ratio Lower Upper
92 100
91 176.9 155.2 195.2

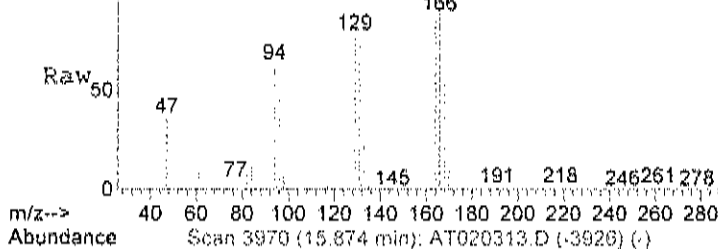


Abundance Ion 92.00 (91.70 to 92.70): AT020313.D
Ion 91.00 (90.70 to 91.70): AT020313.D

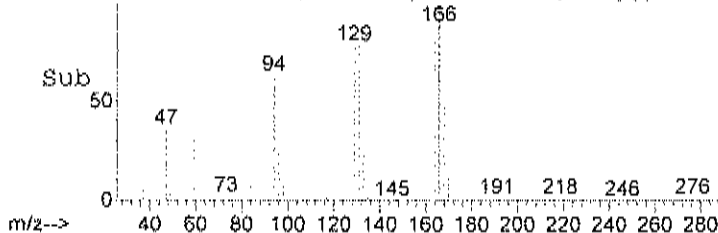
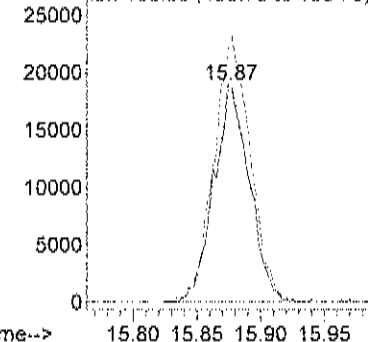


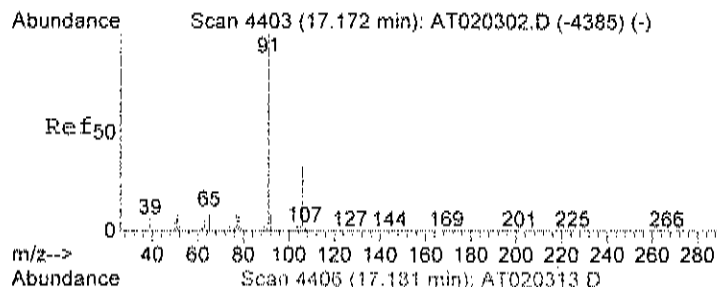
#56
Tetrachloroethylene
Concen: 0.44 ppb
RT: 15.87 min Scan# 3970
Delta R.T. -0.02 min
Lab File: AT020313.D
Acq: 3 Feb 2022 5:16 pm

Tgt Ion: 164 Resp: 36885
Ion Ratio Lower Upper
164 100
166 125.6 108.8 148.8



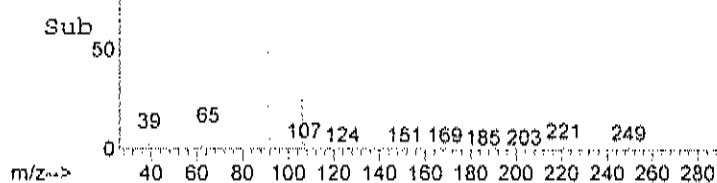
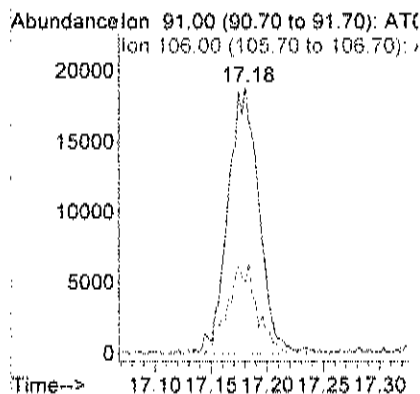
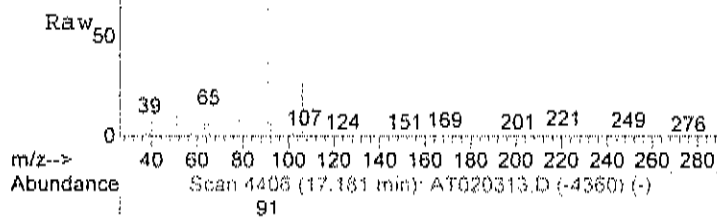
Abundance Ion 164.00 (163.70 to 164.70): AT020313.D
Ion 166.00 (165.70 to 166.70): AT020313.D





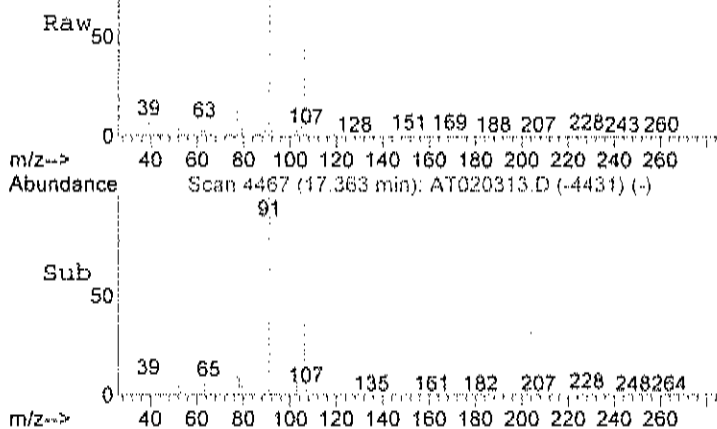
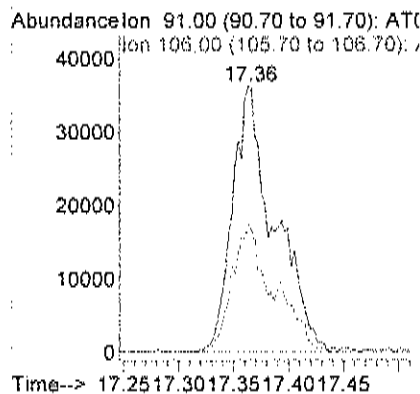
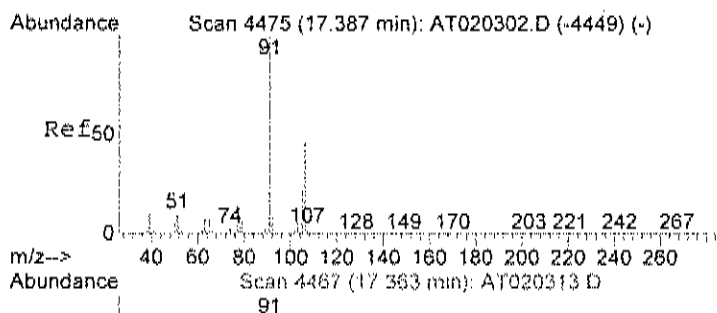
#58
Ethylbenzene
Concen: 0.15 ppb
RT: 17.18 min Scan# 4406
Delta R.T. -0.01 min
Lab File: AT020313.D
Acq: 3 Feb 2022 5:16 pm

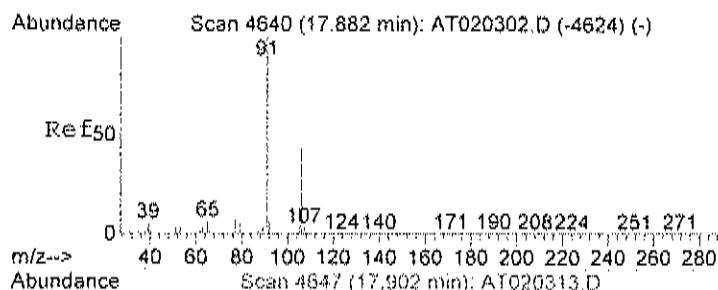
Tgt Ion: 91 Resp: 36255
Ion Ratio Lower Upper
91 100
106 31.3 11.7 51.7



#59
m&p-xylene
Concen: 0.46 ppb
RT: 17.36 min Scan# 4467
Delta R.T. -0.04 min
Lab File: AT020313.D
Acq: 3 Feb 2022 5:16 pm

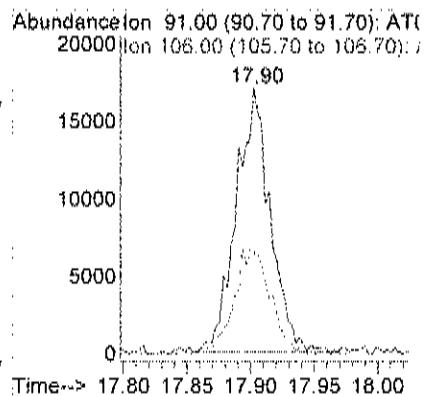
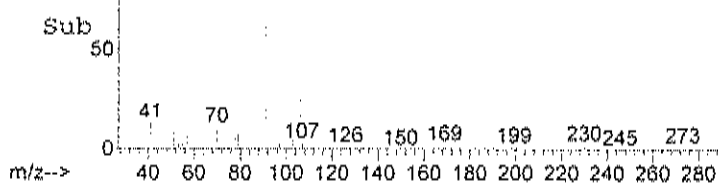
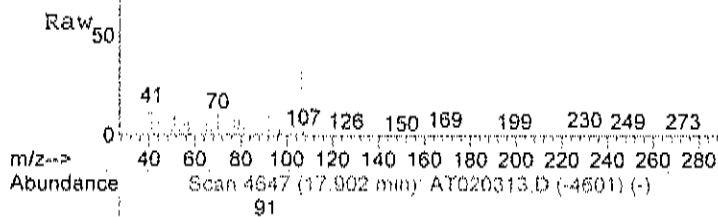
Tgt Ion: 91 Resp: 96724
Ion Ratio Lower Upper
91 100
106 47.9 29.7 69.7





#63
o-xylene
Concen: 0.14 ppb
RT: 17.90 min Scan# 4647
Delta R.T. -0.01 min
Lab File: AT020313.D
Acq: 3 Feb 2022 5:16 pm

Tgt Ion: 91 Resp: 31805
Ion Ratio Lower Upper
91 100
106 42.6 27.3 67.3



Data File : C:\HPCHEM\1\DATA\AT020329.D

Vial: 53

Acq On : 4 Feb 2022 4:51 am

Operator: RJP

Sample : C2202013-001A 4X

Inst : MSD #1

Misc : A201_1UG

Multiplr: 1.00

MS Integration Params: RTEINT.P

Quant Time: Feb 04 08:24:47 2022

Quant Results File: A201_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A201_1UG.M (RTE Integrator)

Title : TO-15 VOA Standards for 5 point calibration

Last Update : Wed Feb 02 07:40:12 2022

Response via : Initial Calibration

DataAcq Meth : 1UG_ENT

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	9.72	128	29654	1.00	ppb	-0.03
35) 1,4-difluorobenzene	12.02	114	123490	1.00	ppb	-0.02
50) Chlorobenzene-d5	16.85	117	108365	1.00	ppb	-0.02

System Monitoring Compounds

65) Bromofluorobenzene	18.64	95	70756	0.89	ppb	-0.02
Spiked Amount	1.000	Range	70 - 130	Recovery	=	89.00%

Target Compounds

15) Acetone	5.93	58	19158	0.91	ppb	Qvalue # 50
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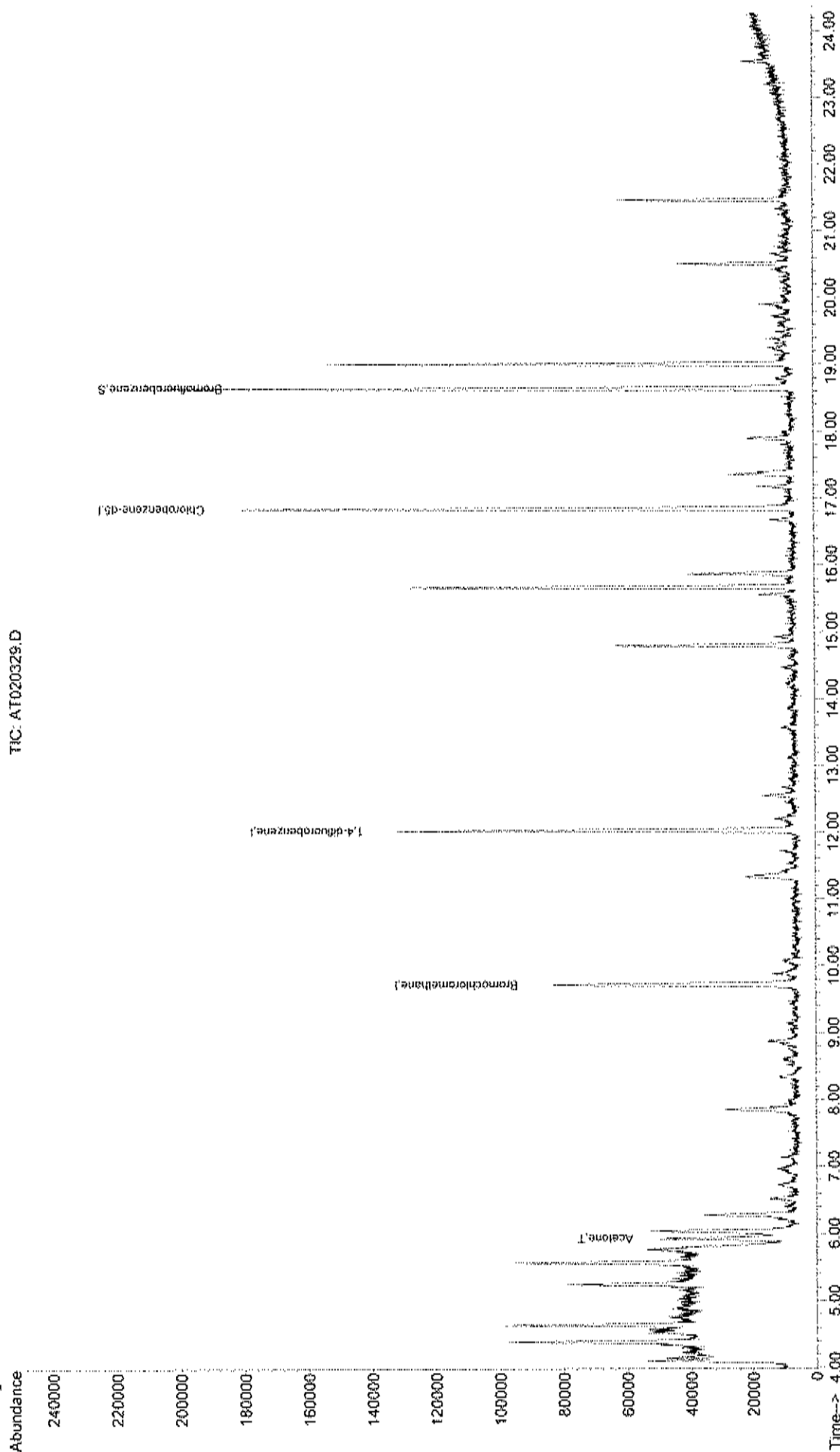
Quantitation Report (QT Reviewed)

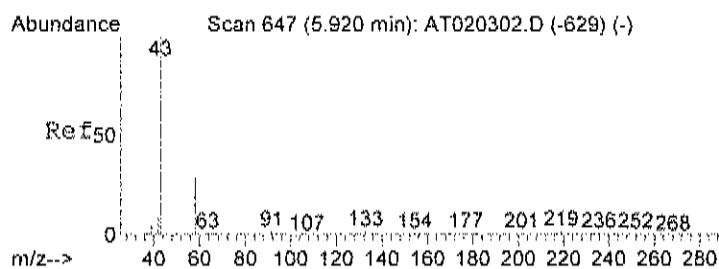
Data File : C:\HPCHEM\1\DATA\AT020329.D
Acq On : 4 Feb 2022 4:51 am
Sample : C2202013-001A 4X
Misc : A201_1UG
MS Integration Params: RTEINT.P
Quant Time: Feb 4 8:50 2022

Quant Results File: A201_1UG.RES

Method : C:\HPCHEM\1\METHODS\A201_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Fri Feb 04 14:02:12 2022
Response via : Initial Calibration

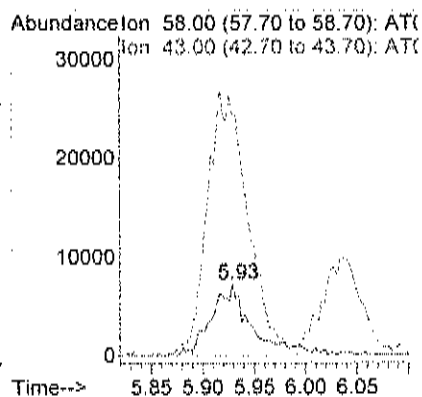
TIC: AT020329.D





#15
Acetone
Concen: 0.91 ppb
RT: 5.93 min Scan# 650
Delta R.T. -0.02 min
Lab File: AT020329.D
Acq: 4 Feb 2022 4:51 am

Tgt Ion: 58 Resp: 19158
Ion Ratio Lower Upper
58 100
43 373.5 249.9 309.9#



Centek Laboratories, LLC

Date: 04-Feb-22

CLIENT: Matrix Environmental Technologies, Inc

Client Sample ID: Outside

Lab Order: C2202013

Tag Number: 200,379

Project: Aquino 65-67 Lake Ave

Collection Date: 1/31/2022

Lab ID: C2202013-002A

Matrix: AIR

Analyses	Result	DL	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		FLD		Analyst:		
Lab Vacuum In	-1			"Hg		2/3/2022
Lab Vacuum Out	-30			"Hg		2/3/2022
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		TO-15		Analyst: RJP		
1,1,1-Trichloroethane	< 0.15	0.15		ppbV	1	2/3/2022 6:00:00 PM
1,1,2,2-Tetrachloroethane	< 0.15	0.15		ppbV	1	2/3/2022 6:00:00 PM
1,1,2-Trichloroethane	< 0.15	0.15		ppbV	1	2/3/2022 6:00:00 PM
1,1-Dichloroethane	< 0.15	0.15		ppbV	1	2/3/2022 6:00:00 PM
1,1-Dichloroethene	< 0.040	0.040		ppbV	1	2/3/2022 6:00:00 PM
1,2,4-Trichlorobenzene	< 0.15	0.15		ppbV	1	2/3/2022 6:00:00 PM
1,2,4-Trimethylbenzene	< 0.15	0.15		ppbV	1	2/3/2022 6:00:00 PM
1,2-Dibromoethane	< 0.15	0.15		ppbV	1	2/3/2022 6:00:00 PM
1,2-Dichlorobenzene	< 0.15	0.15		ppbV	1	2/3/2022 6:00:00 PM
1,2-Dichloroethane	< 0.15	0.15		ppbV	1	2/3/2022 6:00:00 PM
1,2-Dichloropropane	< 0.15	0.15		ppbV	1	2/3/2022 6:00:00 PM
1,3,5-Trimethylbenzene	< 0.15	0.15		ppbV	1	2/3/2022 6:00:00 PM
1,3-butadiene	< 0.15	0.15		ppbV	1	2/3/2022 6:00:00 PM
1,3-Dichlorobenzene	< 0.15	0.15		ppbV	1	2/3/2022 6:00:00 PM
1,4-Dichlorobenzene	< 0.15	0.15		ppbV	1	2/3/2022 6:00:00 PM
1,4-Dioxane	< 0.30	0.30		ppbV	1	2/3/2022 6:00:00 PM
2,2,4-trimethylpentane	0.12	0.15	J	ppbV	1	2/3/2022 6:00:00 PM
4-ethyltoluene	< 0.15	0.15		ppbV	1	2/3/2022 6:00:00 PM
Acetone	7.9	3.0		ppbV	10	2/4/2022 5:32:00 AM
Allyl chloride	< 0.15	0.15		ppbV	1	2/3/2022 6:00:00 PM
Benzene	0.29	0.15		ppbV	1	2/3/2022 6:00:00 PM
Benzyl chloride	< 0.15	0.15		ppbV	1	2/3/2022 6:00:00 PM
Bromodichloromethane	< 0.15	0.15		ppbV	1	2/3/2022 6:00:00 PM
Bromoform	< 0.15	0.15		ppbV	1	2/3/2022 6:00:00 PM
Bromomethane	< 0.15	0.15		ppbV	1	2/3/2022 6:00:00 PM
Carbon disulfide	< 0.15	0.15		ppbV	1	2/3/2022 6:00:00 PM
Carbon tetrachloride	0.070	0.030		ppbV	1	2/3/2022 6:00:00 PM
Chlorobenzene	< 0.15	0.15		ppbV	1	2/3/2022 6:00:00 PM
Chloroethane	< 0.15	0.15		ppbV	1	2/3/2022 6:00:00 PM
Chloroform	< 0.15	0.15		ppbV	1	2/3/2022 6:00:00 PM
Chloromethane	0.42	0.15		ppbV	1	2/3/2022 6:00:00 PM
cis-1,2-Dichloroethene	< 0.040	0.040		ppbV	1	2/3/2022 6:00:00 PM
cis-1,3-Dichloropropene	< 0.15	0.15		ppbV	1	2/3/2022 6:00:00 PM
Cyclohexane	0.16	0.15		ppbV	1	2/3/2022 6:00:00 PM
Dibromochloromethane	< 0.15	0.15		ppbV	1	2/3/2022 6:00:00 PM
Ethyl acetate	< 0.15	0.15		ppbV	1	2/3/2022 6:00:00 PM

Qualifiers: SC Sub-Contracted
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 JN Non-routine analyte. Quantitation estimated.
 S Spike Recovery outside accepted recovery limits

Results reported are not blank corrected
 E Estimated Value above quantitation range
 J Analyte detected below quantitation limit
 ND Not Detected at the Limit of Detection
 DL Detection Limit

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Centek Laboratories, LLC

Date: 04-Feb-22

CLIENT: Matrix Environmental Technologies, Inc
 Lab Order: C2202013
 Project: Aquino 65-67 Lake Ave
 Lab ID: C2202013-002A

Client Sample ID: Outside
 Tag Number: 200,379
 Collection Date: 1/31/2022
 Matrix: AIR

Analyses	Result	DL	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE			TO-15			Analyst: RJP
Ethylbenzene	< 0.15	0.15		ppbV	1	2/3/2022 6:00:00 PM
Freon 11	0.25	0.15		ppbV	1	2/3/2022 6:00:00 PM
Freon 113	< 0.15	0.15		ppbV	1	2/3/2022 6:00:00 PM
Freon 114	< 0.15	0.15		ppbV	1	2/3/2022 6:00:00 PM
Freon 12	0.49	0.15		ppbV	1	2/3/2022 6:00:00 PM
Heptane	0.12	0.15	J	ppbV	1	2/3/2022 6:00:00 PM
Hexachloro-1,3-butadiene	< 0.15	0.15		ppbV	1	2/3/2022 6:00:00 PM
Hexane	0.25	0.15		ppbV	1	2/3/2022 6:00:00 PM
Isopropyl alcohol	0.71	0.15		ppbV	1	2/3/2022 6:00:00 PM
m&p-Xylene	0.23	0.30	J	ppbV	1	2/3/2022 6:00:00 PM
Methyl Butyl Ketone	< 0.30	0.30		ppbV	1	2/3/2022 6:00:00 PM
Methyl Ethyl Ketone	0.22	0.30	J	ppbV	1	2/3/2022 6:00:00 PM
Methyl Isobutyl Ketone	< 0.30	0.30		ppbV	1	2/3/2022 6:00:00 PM
Methyl tert-butyl ether	< 0.15	0.15		ppbV	1	2/3/2022 6:00:00 PM
Methylene chloride	0.26	0.15		ppbV	1	2/3/2022 6:00:00 PM
o-Xylene	< 0.15	0.15		ppbV	1	2/3/2022 6:00:00 PM
Propylene	< 0.15	0.15		ppbV	1	2/3/2022 6:00:00 PM
Styrene	< 0.15	0.15		ppbV	1	2/3/2022 6:00:00 PM
Tetrachloroethylene	< 0.15	0.15		ppbV	1	2/3/2022 6:00:00 PM
Tetrahydrofuran	< 0.15	0.15		ppbV	1	2/3/2022 6:00:00 PM
Toluene	0.65	0.15		ppbV	1	2/3/2022 6:00:00 PM
trans-1,2-Dichloroethene	< 0.15	0.15		ppbV	1	2/3/2022 6:00:00 PM
trans-1,3-Dichloropropene	< 0.15	0.15		ppbV	1	2/3/2022 6:00:00 PM
Trichloroethene	< 0.030	0.030		ppbV	1	2/3/2022 6:00:00 PM
Vinyl acetate	< 0.15	0.15		ppbV	1	2/3/2022 6:00:00 PM
Vinyl Bromide	< 0.15	0.15		ppbV	1	2/3/2022 6:00:00 PM
Vinyl chloride	< 0.040	0.040		ppbV	1	2/3/2022 6:00:00 PM
Surr: Bromofluorobenzene	90.0	47-124		%REC	1	2/3/2022 6:00:00 PM

Qualifiers: SC Sub-Contracted
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 JN Non-routine analyte. Quantitation estimated.
 S Spike Recovery outside accepted recovery limits

Results reported are not blank corrected
 E Estimated Value above quantitation range
 J Analyte detected below quantitation limit
 ND Not Detected at the Limit of Detection
 DL Detection Limit

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Centek Laboratories, LLC

Date: 04-Feb-22

CLIENT: Matrix Environmental Technologies, Inc
 Lab Order: C2202013
 Project: Aquino 65-67 Lake Ave
 Lab ID: C2202013-002A

Client Sample ID: Outside
 Tag Number: 200,379
 Collection Date: 1/31/2022
 Matrix: AIR

Analyses	Result	DL	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		TO-15		Analyst: RJP		
1,1,1-Trichloroethane	< 0.82	0.82		ug/m3	1	2/3/2022 6:00:00 PM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		ug/m3	1	2/3/2022 6:00:00 PM
1,1,2-Trichloroethane	< 0.82	0.82		ug/m3	1	2/3/2022 6:00:00 PM
1,1-Dichloroethane	< 0.61	0.61		ug/m3	1	2/3/2022 6:00:00 PM
1,1-Dichloroethene	< 0.16	0.16		ug/m3	1	2/3/2022 6:00:00 PM
1,2,4-Trichlorobenzene	< 1.1	1.1		ug/m3	1	2/3/2022 6:00:00 PM
1,2,4-Trimethylbenzene	< 0.74	0.74		ug/m3	1	2/3/2022 6:00:00 PM
1,2-Dibromoethane	< 1.2	1.2		ug/m3	1	2/3/2022 6:00:00 PM
1,2-Dichlorobenzene	< 0.90	0.90		ug/m3	1	2/3/2022 6:00:00 PM
1,2-Dichloroethane	< 0.61	0.61		ug/m3	1	2/3/2022 6:00:00 PM
1,2-Dichloropropane	< 0.69	0.69		ug/m3	1	2/3/2022 6:00:00 PM
1,3,5-Trimethylbenzene	< 0.74	0.74		ug/m3	1	2/3/2022 6:00:00 PM
1,3-butadiene	< 0.33	0.33		ug/m3	1	2/3/2022 6:00:00 PM
1,3-Dichlorobenzene	< 0.90	0.90		ug/m3	1	2/3/2022 6:00:00 PM
1,4-Dichlorobenzene	< 0.90	0.90		ug/m3	1	2/3/2022 6:00:00 PM
1,4-Dioxane	< 1.1	1.1		ug/m3	1	2/3/2022 6:00:00 PM
2,2,4-trimethylpentane	0.56	0.70	J	ug/m3	1	2/3/2022 6:00:00 PM
4-ethyltoluene	< 0.74	0.74		ug/m3	1	2/3/2022 6:00:00 PM
Acetone	19	7.1		ug/m3	10	2/4/2022 5:32:00 AM
Allyl chloride	< 0.47	0.47		ug/m3	1	2/3/2022 6:00:00 PM
Benzene	0.93	0.48		ug/m3	1	2/3/2022 6:00:00 PM
Benzyl chloride	< 0.86	0.86		ug/m3	1	2/3/2022 6:00:00 PM
Bromodichloromethane	< 1.0	1.0		ug/m3	1	2/3/2022 6:00:00 PM
Bromoform	< 1.6	1.6		ug/m3	1	2/3/2022 6:00:00 PM
Bromomethane	< 0.58	0.58		ug/m3	1	2/3/2022 6:00:00 PM
Carbon disulfide	< 0.47	0.47		ug/m3	1	2/3/2022 6:00:00 PM
Carbon tetrachloride	0.44	0.19		ug/m3	1	2/3/2022 6:00:00 PM
Chlorobenzene	< 0.69	0.69		ug/m3	1	2/3/2022 6:00:00 PM
Chloroethane	< 0.40	0.40		ug/m3	1	2/3/2022 6:00:00 PM
Chloroform	< 0.73	0.73		ug/m3	1	2/3/2022 6:00:00 PM
Chloromethane	0.87	0.31		ug/m3	1	2/3/2022 6:00:00 PM
cis-1,2-Dichloroethene	< 0.16	0.16		ug/m3	1	2/3/2022 6:00:00 PM
cis-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	2/3/2022 6:00:00 PM
Cyclohexane	0.55	0.52		ug/m3	1	2/3/2022 6:00:00 PM
Dibromochloromethane	< 1.3	1.3		ug/m3	1	2/3/2022 6:00:00 PM
Ethyl acetate	< 0.54	0.54		ug/m3	1	2/3/2022 6:00:00 PM
Ethylbenzene	< 0.65	0.65		ug/m3	1	2/3/2022 6:00:00 PM
Freon 11	1.4	0.84		ug/m3	1	2/3/2022 6:00:00 PM
Freon 113	< 1.1	1.1		ug/m3	1	2/3/2022 6:00:00 PM
Freon 114	< 1.0	1.0		ug/m3	1	2/3/2022 6:00:00 PM

Qualifiers: SC Sub-Contracted
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 JN Non-routine analyte. Quantitation estimated.
 S Spike Recovery outside accepted recovery limits

Results reported are not blank corrected
 E Estimated Value above quantitation range
 J Analyte detected below quantitation limit
 ND Not Detected at the Limit of Detection
 DL Detection Limit

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Centek Laboratories, LLC

Date: 04-Feb-22

CLIENT: Matrix Environmental Technologies, Inc
 Lab Order: C2202013
 Project: Aquino 65-67 Lake Ave
 Lab ID: C2202013-002A

Client Sample ID: Outside
 Tag Number: 200,379
 Collection Date: 1/31/2022
 Matrix: AIR

Analyses	Result	DL	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		TO-15		Analyst: RJP		
Freon 12	2.4	0.74		ug/m3	1	2/3/2022 6:00:00 PM
Heptane	0.49	0.61	J	ug/m3	1	2/3/2022 6:00:00 PM
Hexachloro-1,3-butadiene	< 1.6	1.6		ug/m3	1	2/3/2022 6:00:00 PM
Hexane	0.88	0.53		ug/m3	1	2/3/2022 6:00:00 PM
Isopropyl alcohol	1.7	0.37		ug/m3	1	2/3/2022 6:00:00 PM
m&p-Xylene	1.0	1.3	J	ug/m3	1	2/3/2022 6:00:00 PM
Methyl Butyl Ketone	< 1.2	1.2		ug/m3	1	2/3/2022 6:00:00 PM
Methyl Ethyl Ketone	0.65	0.88	J	ug/m3	1	2/3/2022 6:00:00 PM
Methyl Isobutyl Ketone	< 1.2	1.2		ug/m3	1	2/3/2022 6:00:00 PM
Methyl tert-butyl ether	< 0.54	0.54		ug/m3	1	2/3/2022 6:00:00 PM
Methylene chloride	0.90	0.52		ug/m3	1	2/3/2022 6:00:00 PM
o-Xylene	< 0.65	0.65		ug/m3	1	2/3/2022 6:00:00 PM
Propylene	< 0.26	0.26		ug/m3	1	2/3/2022 6:00:00 PM
Styrene	< 0.64	0.64		ug/m3	1	2/3/2022 6:00:00 PM
Tetrachloroethylene	< 1.0	1.0		ug/m3	1	2/3/2022 6:00:00 PM
Tetrahydrofuran	< 0.44	0.44		ug/m3	1	2/3/2022 6:00:00 PM
Toluene	2.4	0.57		ug/m3	1	2/3/2022 6:00:00 PM
trans-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	2/3/2022 6:00:00 PM
trans-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	2/3/2022 6:00:00 PM
Trichloroethene	< 0.16	0.16		ug/m3	1	2/3/2022 6:00:00 PM
Vinyl acetate	< 0.53	0.53		ug/m3	1	2/3/2022 6:00:00 PM
Vinyl Bromide	< 0.66	0.66		ug/m3	1	2/3/2022 6:00:00 PM
Vinyl chloride	< 0.10	0.10		ug/m3	1	2/3/2022 6:00:00 PM

Qualifiers: SC Sub-Contracted
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 JN Non-routine analyte. Quantitation estimated.
 S Spike Recovery outside accepted recovery limits

Results reported are not blank corrected
 E Estimated Value above quantitation range
 J Analyte detected below quantitation limit
 ND Not Detected at the Limit of Detection
 DL Detection Limit

Page 4 of 14

Data File : C:\HPCHEM\1\DATA\AT020314.D

Vial: 10

Acq On : 3 Feb 2022 6:00 pm

Operator: RJP

Sample : C2202013-002A

Inst : MSD #1

Misc : A201_1UG

Multiplr: 1.00

MS Integration Params: RTEINT.P

Quant Time: Feb 04 08:24:32 2022

Quant Results File: A201_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A201_1UG.M (RTE Integrator)

Title : TO-15 VOA Standards for 5 point calibration

Last Update : Wed Feb 02 07:40:12 2022

Response via : Initial Calibration

DataAcq Meth : 1UG_ENT

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	9.74	128	34150	1.00	ppb	-0.01
35) 1,4-difluorobenzene	12.03	114	148273	1.00	ppb	0.00
50) Chlorobenzene-d5	16.85	117	131747	1.00	ppb	-0.02

System Monitoring Compounds

65) Bromofluorobenzene	18.64	95	87152	0.90	ppb	-0.02
Spiked Amount	1.000	Range	70 - 130	Recovery	=	90.00%

Target Compounds

						Qvalue
3) Freon 12	4.16	85	115390	0.49	ppb	100
4) Chloromethane	4.35	50	24505	0.42	ppb	89
14) Freon 11	5.77	101	62903	0.25	ppb	99
15) Acetone	5.94	58	91625	3.78	ppb	# 80
17) Isopropyl alcohol	6.04	45	52695	0.71	ppb	# 57
21) Methylene chloride	6.99	84	12060	0.26	ppb	92
28) Methyl Ethyl Ketone	8.84	72	4732	0.22	ppb	# 100
30) Hexane	8.88	57	14497	0.25	ppb	89
37) Cyclohexane	11.42	56	8887m	0.16	ppb	
38) Carbon tetrachloride	11.36	117	14229	0.07	ppb	99
39) Benzene	11.34	78	39924	0.29	ppb	92
42) 2,2,4-trimethylpentane	12.20	57	22062	0.12	ppb	# 73
43) Heptane	12.55	43	7166	0.12	ppb	91
51) Toluene	14.80	92	66865	0.65	ppb	98
59) m&p-xylene	17.36	91	46778	0.23	ppb	98

 (#) = qualifier out of range (m) = manual integration (+) = signals summed
 AT020314.D A201_1UG.M Fri Feb 04 14:28:31 2022 MSD1

Vial: 10
Operator: RJP
Inst : MSD #1
Multiplier: 1.00

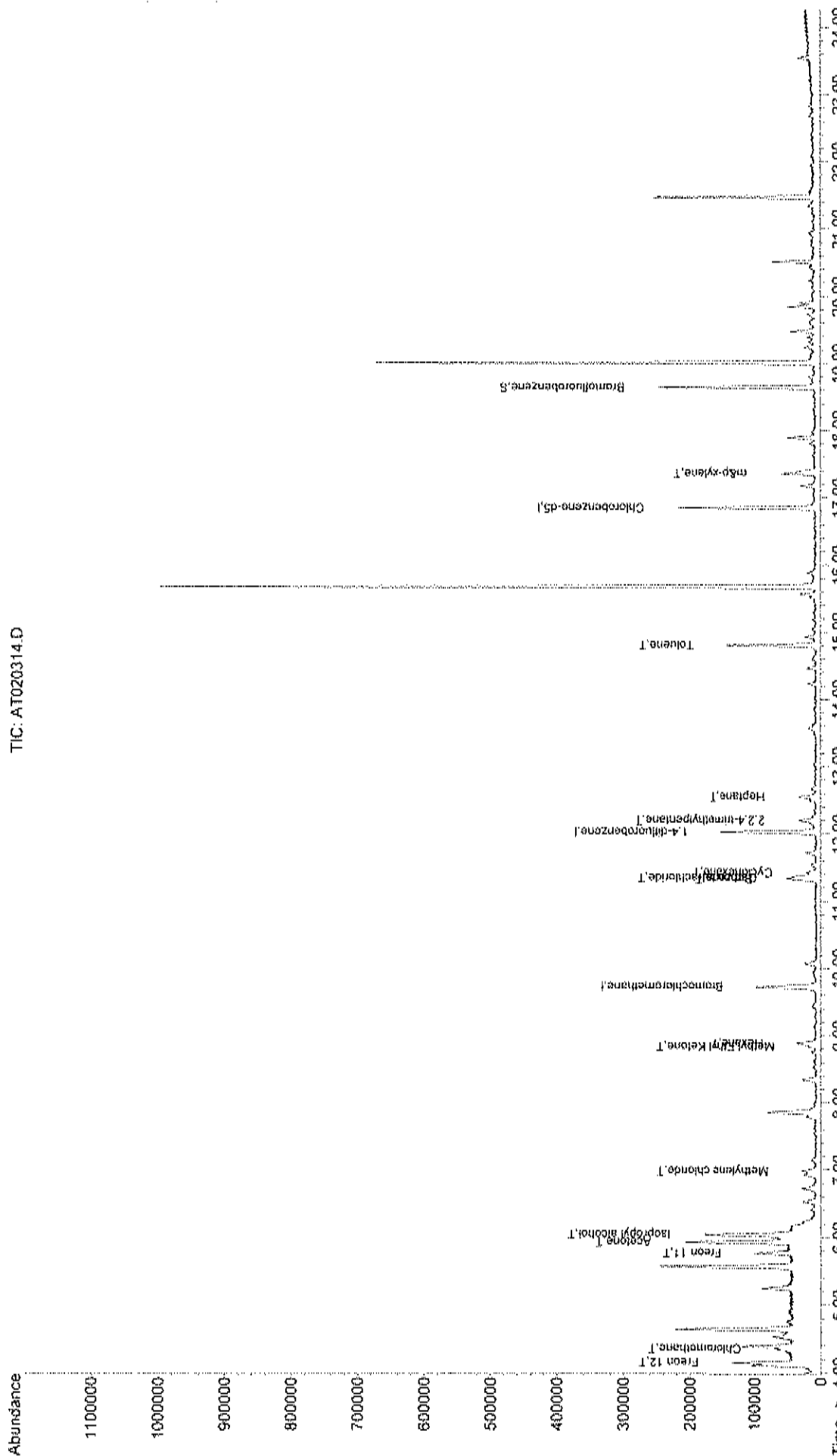
Quant Results File: A201 1UG.RES

```

Method      : C:\HPCHEM\1\METHODS\A201_1UG.M (RTE Integrator)
Title       : TO-15 VOA Standards for 5 point calibration
Last Update : Fri Feb 04 14:02:12 2022
Response via : Initial Calibration

```

TIC: A1020314.D

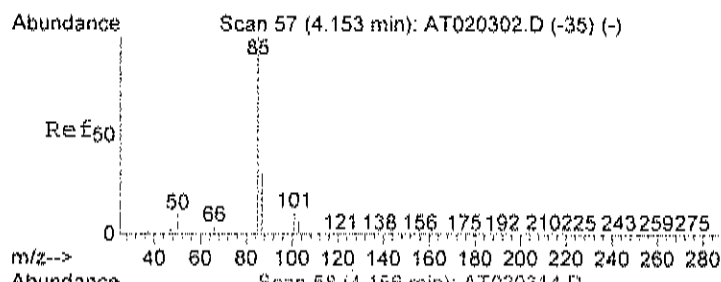


MSD1

Fri Feb 04 14:28:32 2022

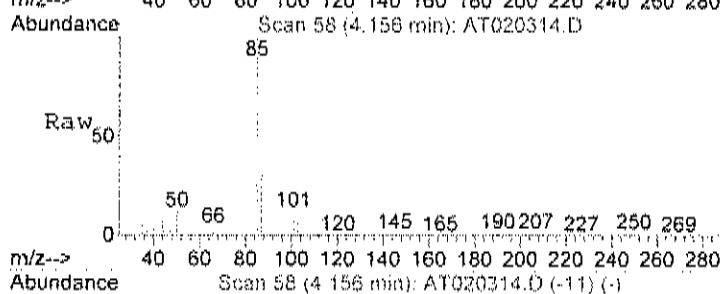
AT020314.D A201 IUG.M

Page 2

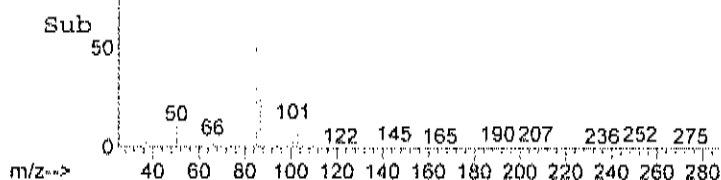
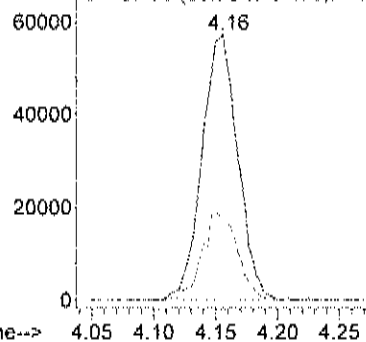


#3
Freon 12
Concen: 0.49 ppb
RT: 4.16 min Scan# 58
Delta R.T. -0.01 min
Lab File: AT020314.D
Acq: 3 Feb 2022 6:00 pm

Tgt Ion: 85 Resp: 115390
Ion Ratio Lower Upper
85 100
87 33.0 12.9 52.9

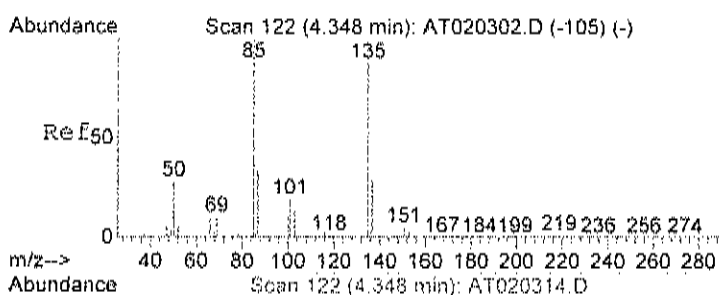


Abundance Ion 85.00 (84.70 to 85.70): AT020314.D
Ion 87.00 (86.70 to 87.70): AT020314.D

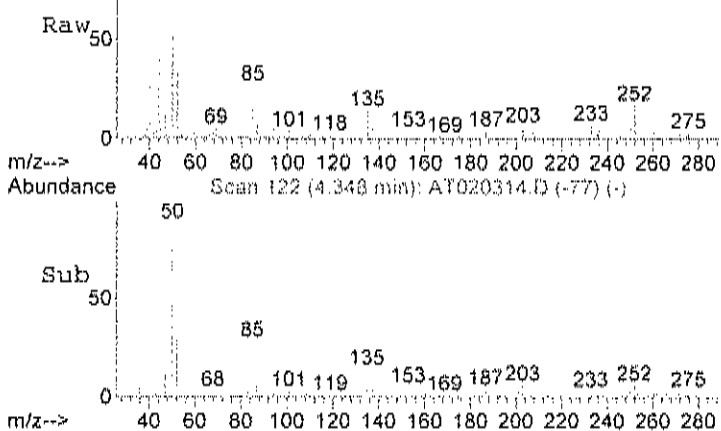
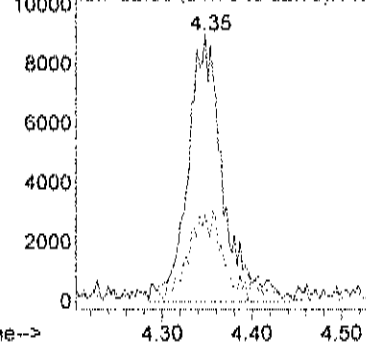


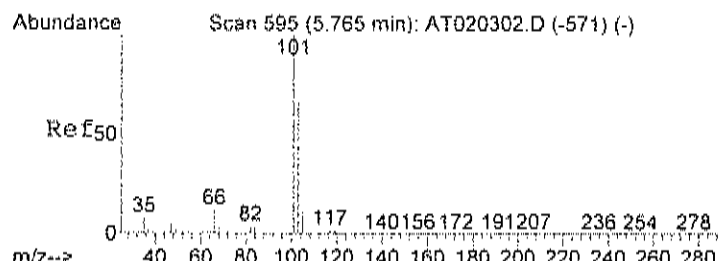
#4
Chloromethane
Concen: 0.42 ppb
RT: 4.35 min Scan# 122
Delta R.T. -0.02 min
Lab File: AT020314.D
Acq: 3 Feb 2022 6:00 pm

Tgt Ion: 50 Resp: 24505
Ion Ratio Lower Upper
50 100
52 32.4 6.9 46.9



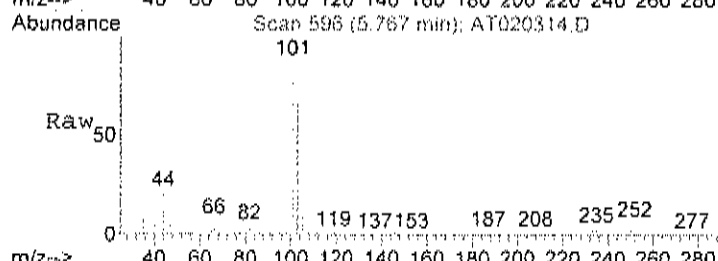
Abundance Ion 50.00 (49.70 to 50.70): AT020314.D
Ion 52.00 (51.70 to 52.70): AT020314.D





#14
Freon 11
Concen: 0.25 ppb
RT: 5.77 min Scan# 596
Delta R.T. -0.02 min
Lab File: AT020314.D
Acq: 3 Feb 2022 6:00 pm

Tgt Ion	Ratio	Lower	Upper
101	100		
103	66.3	45.9	85.9
105	11.5	0.0	30.8

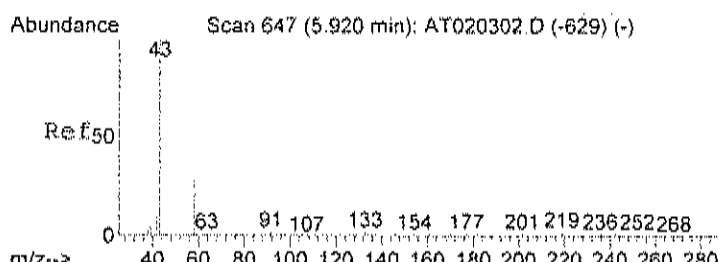
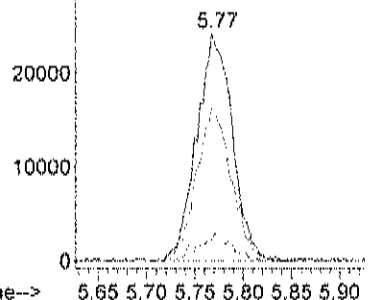


Abundance

Ion 101.00 (100.70 to 101.70):

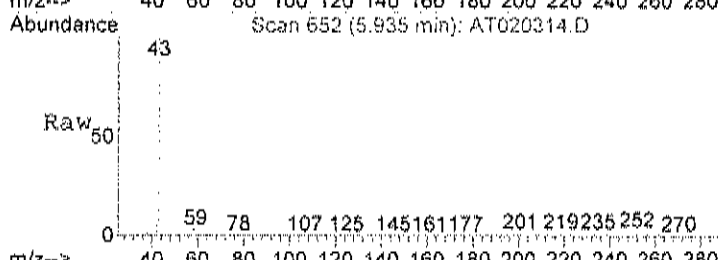
Ion 103.00 (102.70 to 103.70):

Ion 105.00 (104.70 to 105.70):



#15
Acetone
Concen: 3.78 ppb
RT: 5.94 min Scan# 652
Delta R.T. -0.02 min
Lab File: AT020314.D
Acq: 3 Feb 2022 6:00 pm

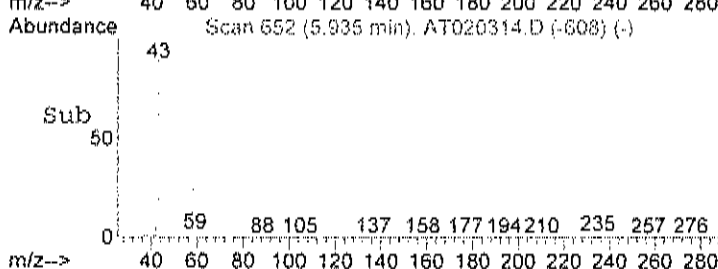
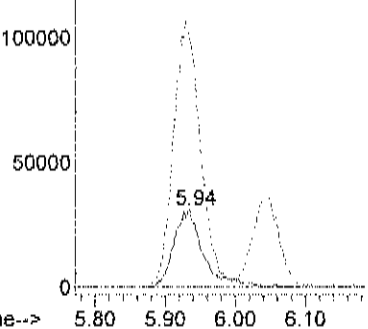
Tgt Ion	Ratio	Lower	Upper
58	100		
43	317.1	249.9	309.9#

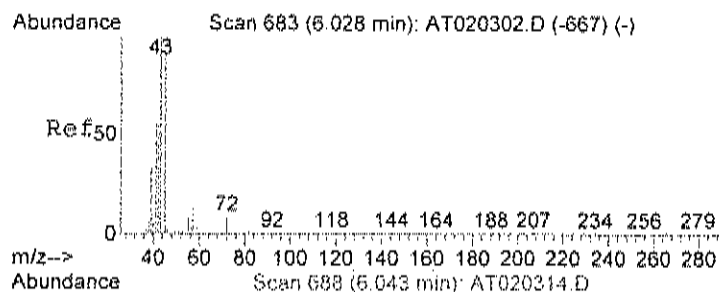


Abundance

Ion 58.00 (57.70 to 58.70): AT

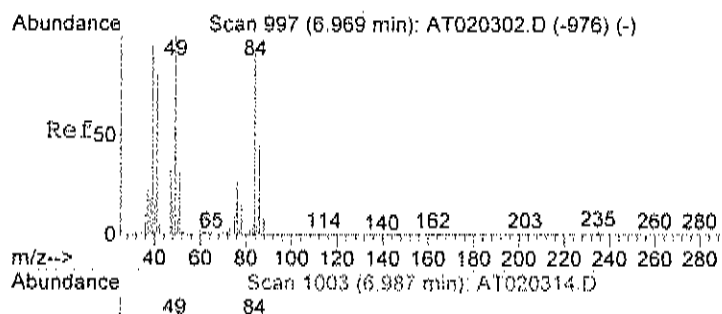
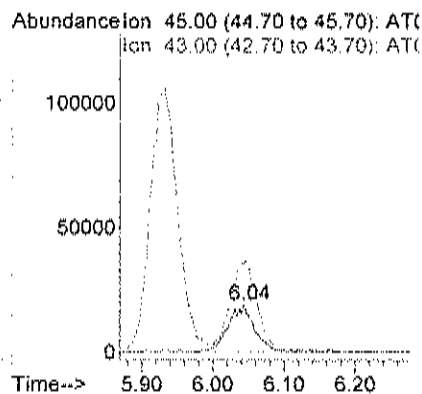
Ion 43.00 (42.70 to 43.70): AT





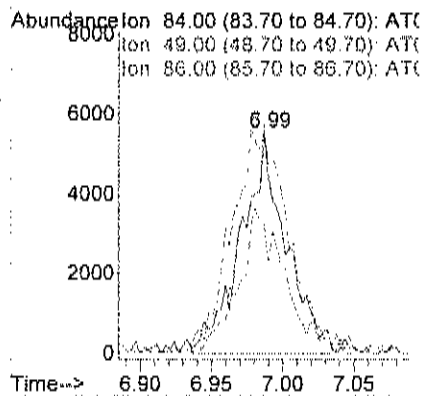
#17
Isopropyl alcohol
Concen: 0.71 ppb
RT: 6.04 min Scan# 688
Delta R.T. -0.02 min
Lab File: AT020314.D
Acq: 3 Feb 2022 6:00 pm

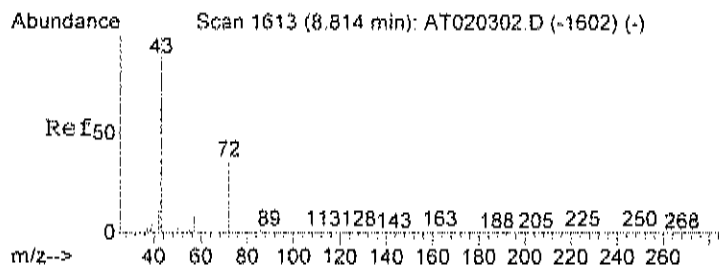
Tgt Ion: 45 Resp: 52695
Ion Ratio Lower Upper
45 100
43 178.7 109.1 149.1#



#21
Methylene chloride
Concen: 0.26 ppb
RT: 6.99 min Scan# 1003
Delta R.T. -0.01 min
Lab File: AT020314.D
Acq: 3 Feb 2022 6:00 pm

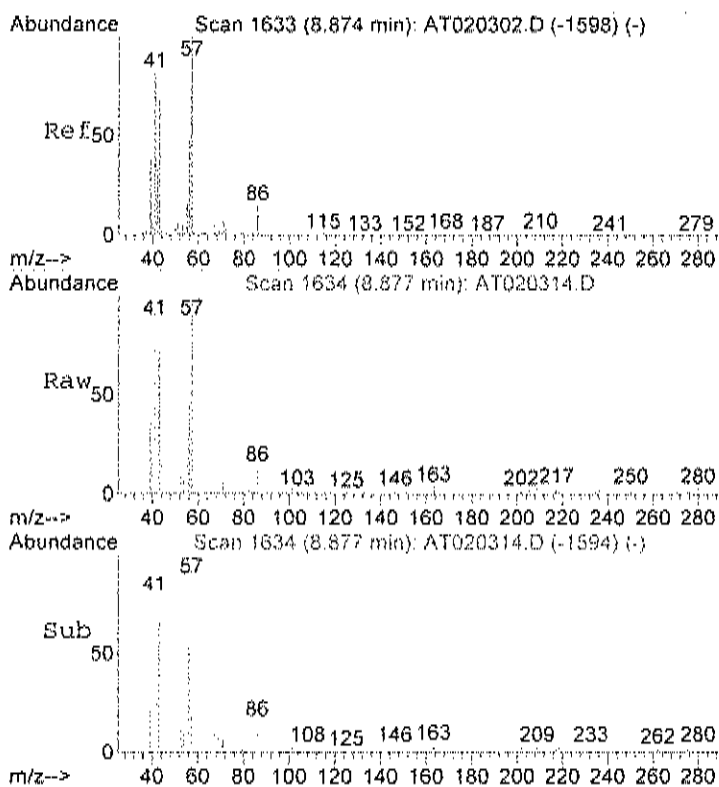
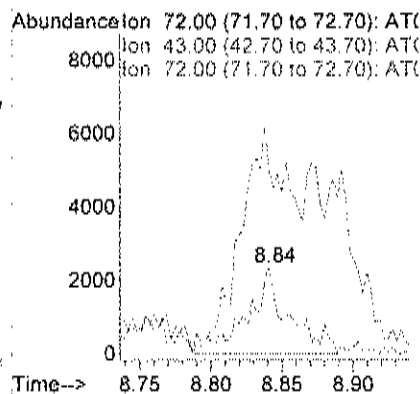
Tgt Ion: 84 Resp: 12060
Ion Ratio Lower Upper
84 100
49 128.4 96.8 136.8
86 68.5 45.5 85.5





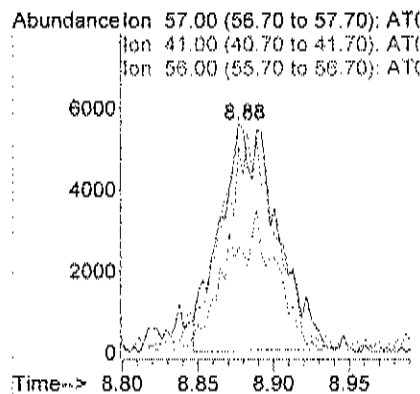
#28
Methyl Ethyl Ketone
Concen: 0.22 ppb
RT: 8.84 min Scan# 1622
Delta R.T. -0.01 min
Lab File: AT020314.D
Acq: 3 Feb 2022 6:00 pm

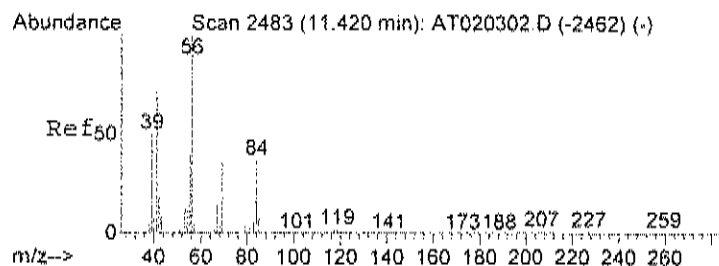
Tgt Ion	Ratio	Lower	Upper
72	100		
43	563.5	0.0	20.0#
72	100.0	80.0	120.0



#30
Hexane
Concen: 0.25 ppb
RT: 8.88 min Scan# 1634
Delta R.T. -0.03 min
Lab File: AT020314.D
Acq: 3 Feb 2022 6:00 pm

Tgt Ion	Ratio	Lower	Upper
57	100		
41	95.9	61.2	101.2
56	56.1	34.3	74.3





#37

Cyclohexane

Concen: 0.16 ppb m

RT: 11.42 min Scan# 2483

Delta R.T. -0.02 min

Lab File: AT020314.D

Acq: 3 Feb 2022 6:00 pm

Tgt Ion: 56 Resp: 8887

Ion Ratio Lower Upper

56 100

41 0.0 40.2 80.2#

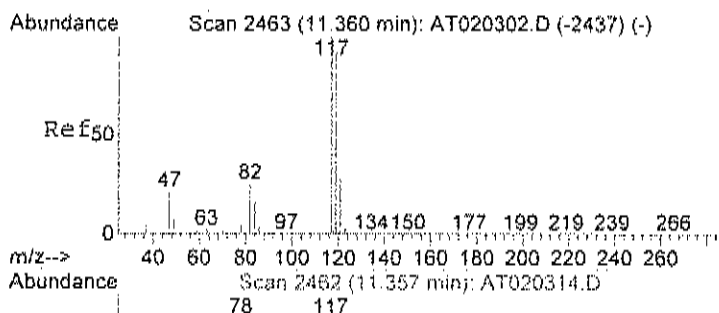
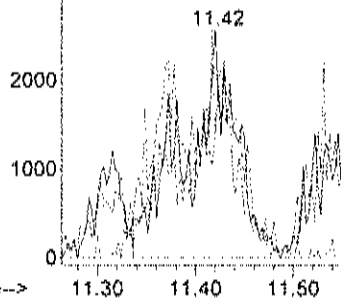
84 96.1 109.6 149.6#

Abundance

Ion 56.00 (55.70 to 56.70): AT(

Ion 41.00 (40.70 to 41.70): AT(

Ion 84.00 (83.70 to 84.70): AT(



#38

Carbon tetrachloride

Concen: 0.07 ppb

RT: 11.36 min Scan# 2462

Delta R.T. -0.03 min

Lab File: AT020314.D

Acq: 3 Feb 2022 6:00 pm

Tgt Ion: 117 Resp: 14229

Ion Ratio Lower Upper

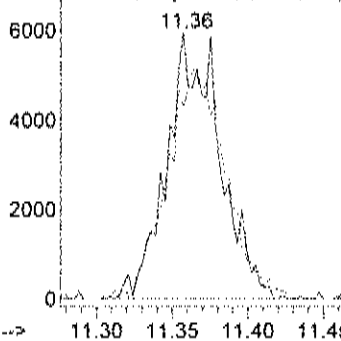
117 100

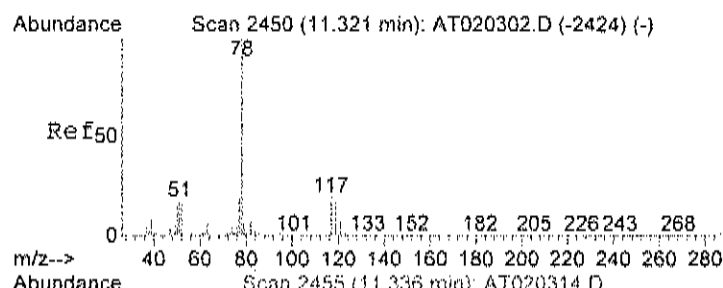
119 98.2 76.8 116.8

Abundance

Ion 117.00 (116.70 to 117.70):

Ion 119.00 (118.70 to 119.70):

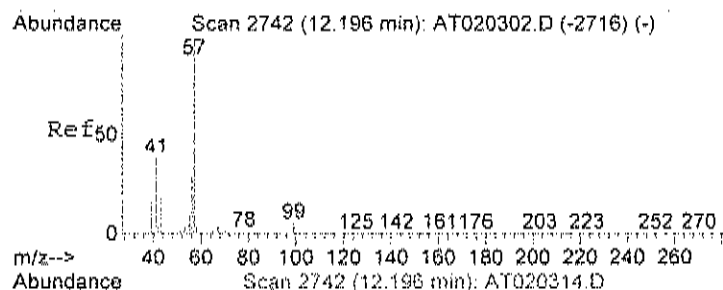
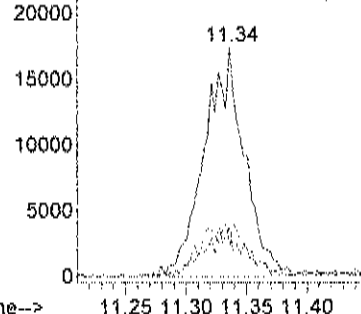




#39
Benzene
Concen: 0.29 ppb
RT: 11.34 min Scan# 2455
Delta R.T. -0.01 min
Lab File: AT020314.D
Acq: 3 Feb 2022 6:00 pm

Tgt Ion	78	Resp	39924
Ion	Ratio	Lower	Upper
78	100		
77	25.1	3.3	43.3
51	21.0	0.0	35.1

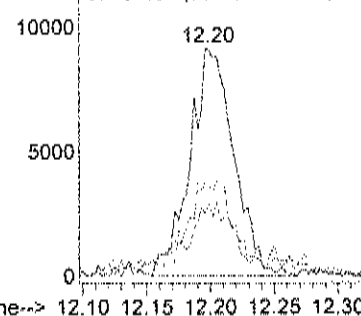
Abundance Ion 78.00 (77.70 to 78.70): AT020314.D
Ion 77.00 (76.70 to 77.70): AT020314.D
Ion 51.00 (50.70 to 51.70): AT020314.D

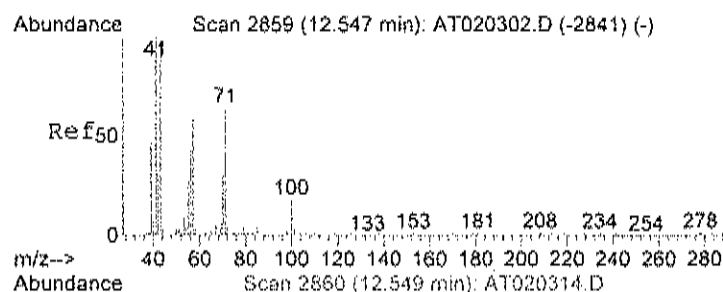


#42
2,2,4-trimethylpentane
Concen: 0.12 ppb
RT: 12.20 min Scan# 2742
Delta R.T. -0.02 min
Lab File: AT020314.D
Acq: 3 Feb 2022 6:00 pm

Tgt Ion	57	Resp	22062
Ion	Ratio	Lower	Upper
57	100		
41	59.0	12.0	52.0#
56	29.9	13.4	53.4

Abundance Ion 57.00 (56.70 to 57.70): AT020314.D
Ion 41.00 (40.70 to 41.70): AT020314.D
Ion 56.00 (55.70 to 56.70): AT020314.D





#43

Heptane

Concen: 0.12 ppb

RT: 12.55 min Scan# 2860

Delta R.T. -0.02 min

Lab File: AT020314.D

Acq: 3 Feb 2022 6:00 pm

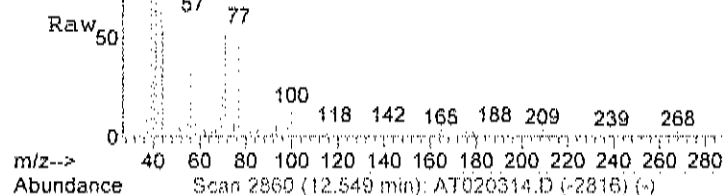
Tgt Ion: 43 Resp: 7166

Ion Ratio Lower Upper

43 100

57 70.9 37.9 77.9

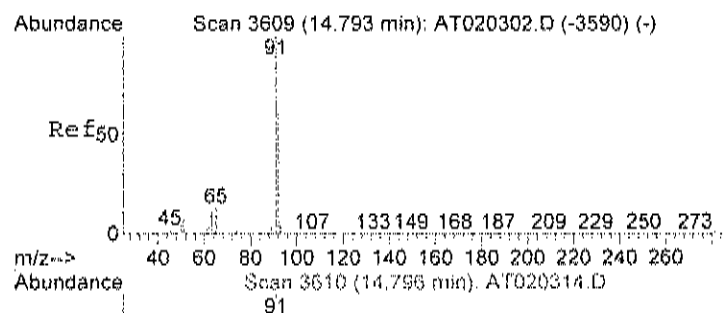
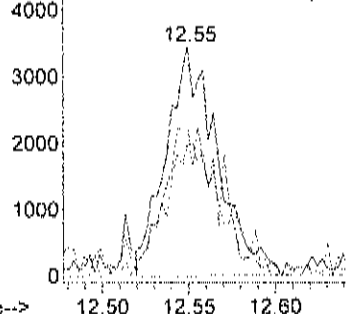
71 63.6 43.1 83.1



Abundance Ion 43.00 (42.70 to 43.70): AT0

Ion 57.00 (56.70 to 57.70): AT0

Ion 71.00 (70.70 to 71.70): AT0



#51

Toluene

Concen: 0.65 ppb

RT: 14.80 min Scan# 3610

Delta R.T. -0.02 min

Lab File: AT020314.D

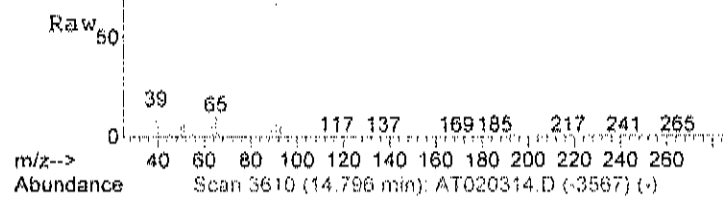
Acq: 3 Feb 2022 6:00 pm

Tgt Ion: 92 Resp: 66865

Ion Ratio Lower Upper

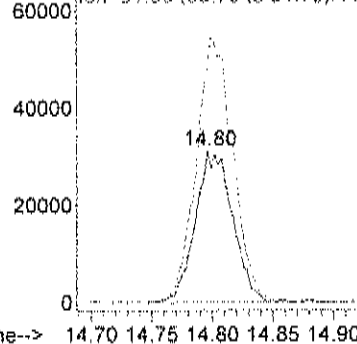
92 100

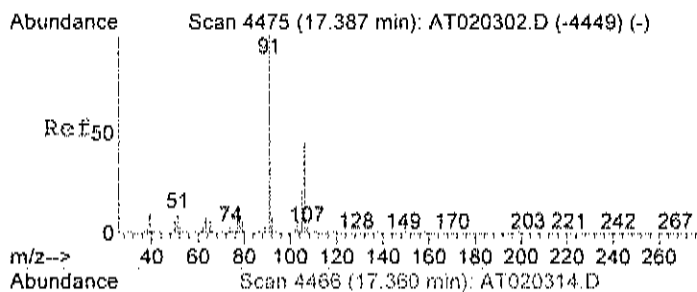
91 172.4 155.2 195.2



Abundance Ion 92.00 (91.70 to 92.70): AT0

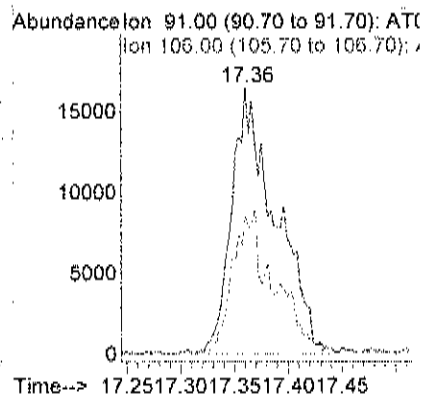
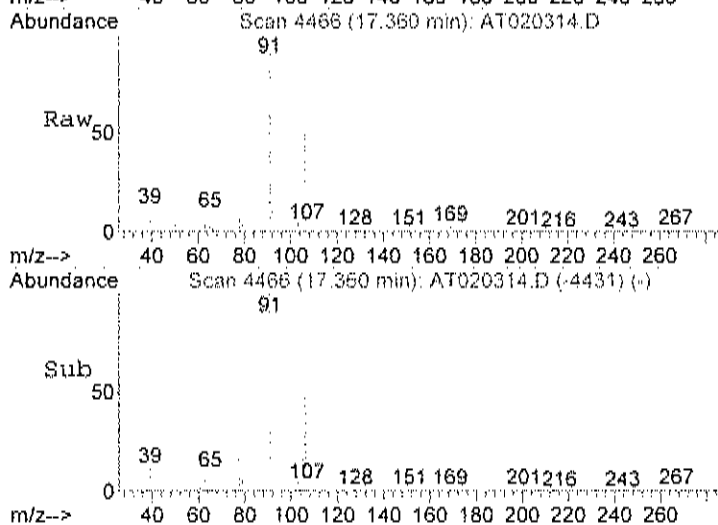
Ion 91.00 (90.70 to 91.70): AT0





#59
m&p-xylene
Concen: 0.23 ppb
RT: 17.36 min Scan# 4466
Delta R.T. -0.04 min
Lab File: AT020314.D
Acq: 3 Feb 2022 6:00 pm

Tgt Ion: 91 Resp: 46778
Ion Ratio Lower Upper
91 100
106 50.8 29.7 69.7



Data File : C:\HPCHEM\1\DATA\AT020330.D

Vial: 54

Acq On : 4 Feb 2022 5:32 am

Operator: RJP

Sample : C2202013-002A 10X

Inst : MSD #1

Misc : A201_1UG

Multiplr: 1.00

MS Integration Params: RTEINT.P

Quant Time: Feb 04 08:24:48 2022

Quant Results File: A201_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A201_1UG.M (RTE Integrator)

Title : TO-15 VOA Standards for 5 point calibration

Last Update : Wed Feb 02 07:40:12 2022

Response via : Initial Calibration

DataAcq Meth : 1UG_ENT

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	9.72	128	29342	1.00	ppb	-0.03
35) 1,4-difluorobenzene	12.03	114	121637	1.00	ppb	-0.02
50) Chlorobenzene-d5	16.85	117	107144	1.00	ppb	-0.02

System Monitoring Compounds

65) Bromofluorobenzene	18.64	95	63008	0.80	ppb	-0.01
Spiked Amount	1.000	Range	70 - 130	Recovery	=	80.00%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
15) Acetone	5.94	58	16455	0.79	ppb	# 37

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AT020330.D
 Acq On : 4 Feb 2022 5:32 am
 Sample : C2202013-002A 10X
 Misc : A201_1UG
 MS Integration Params: RTEINT.P
 Quant Time: Feb 4 8:50 2022

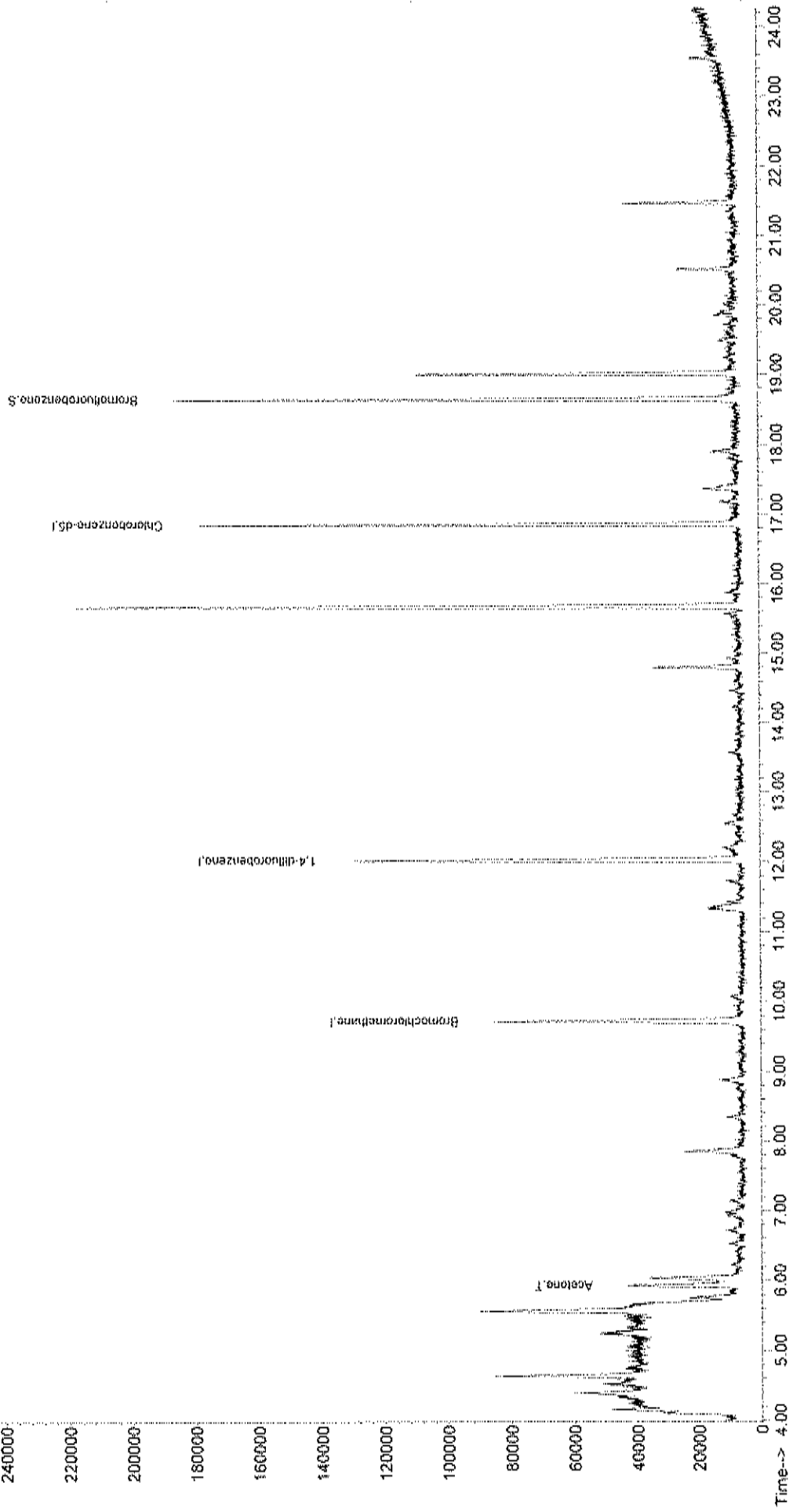
Vial: 54
 Operator: RJP
 Inst : MSD #1
 Multiplr: 1.00

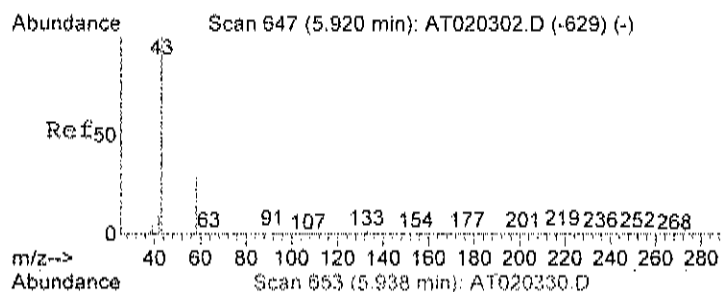
Quant Results File: A201_1UG.RES

Method : C:\HPCHEM\1\METHODS\A201_1UG.M (RTE Integrator)
 Title : TO-15 VOA Standards for 5 point calibration
 Last Update : Fri Feb 04 14:02:12 2022
 Response via : Initial Calibration

Abundance
 250000
 240000
 220000
 200000
 180000
 160000
 140000
 120000
 100000
 80000
 60000
 40000
 20000
 0

TIC: AT020330.D





#15

Acetone

Concen: 0.79 ppb

RT: 5.94 min Scan# 653

Delta R.T. -0.02 min

Lab File: AT020330.D

Acq: 4 Feb 2022 5:32 am

Tgt Ion: 58 Resp: 16455

Ion Ratio Lower Upper

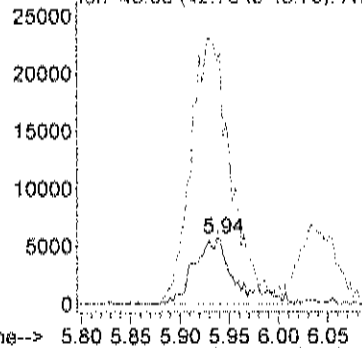
58 100

43 397.9 249.9 309.9#

Abundance

Ion 58.00 (57.70 to 58.70): AT(

Ion 43.00 (42.70 to 43.70): AT(



Centek Laboratories, LLC

Date: 04-Feb-22

CLIENT: Matrix Environmental Technologies, Inc
 Lab Order: C2202013
 Project: Aquino 65-67 Lake Ave
 Lab ID: C2202013-003A

Client Sample ID: A1
 Tag Number: 1186,447
 Collection Date: 1/31/2022
 Matrix: AIR

Analyses	Result	DL	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		FLD		Analyst:		
Lab Vacuum In	-1			"Hg		2/3/2022
Lab Vacuum Out	-30			"Hg		2/3/2022
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		TO-15		Analyst: RJP		
1,1,1-Trichloroethane	< 0.15	0.15		ppbV	1	2/3/2022 6:45:00 PM
1,1,2,2-Tetrachloroethane	< 0.15	0.15		ppbV	1	2/3/2022 6:45:00 PM
1,1,2-Trichloroethane	< 0.15	0.15		ppbV	1	2/3/2022 6:45:00 PM
1,1-Dichloroethane	< 0.15	0.15		ppbV	1	2/3/2022 6:45:00 PM
1,1-Dichloroethene	< 0.040	0.040		ppbV	1	2/3/2022 6:45:00 PM
1,2,4-Trichlorobenzene	< 0.15	0.15		ppbV	1	2/3/2022 6:45:00 PM
1,2,4-Trimethylbenzene	0.19	0.15		ppbV	1	2/3/2022 6:45:00 PM
1,2-Dibromoethane	< 0.15	0.15		ppbV	1	2/3/2022 6:45:00 PM
1,2-Dichlorobenzene	< 0.15	0.15		ppbV	1	2/3/2022 6:45:00 PM
1,2-Dichloroethane	0.12	0.15	J	ppbV	1	2/3/2022 6:45:00 PM
1,2-Dichloropropane	< 0.15	0.15		ppbV	1	2/3/2022 6:45:00 PM
1,3,5-Trimethylbenzene	< 0.15	0.15		ppbV	1	2/3/2022 6:45:00 PM
1,3-butadiene	< 0.15	0.15		ppbV	1	2/3/2022 6:45:00 PM
1,3-Dichlorobenzene	< 0.15	0.15		ppbV	1	2/3/2022 6:45:00 PM
1,4-Dichlorobenzene	0.17	0.15		ppbV	1	2/3/2022 6:45:00 PM
1,4-Dioxane	< 0.30	0.30		ppbV	1	2/3/2022 6:45:00 PM
2,2,4-trimethylpentane	0.18	0.15		ppbV	1	2/3/2022 6:45:00 PM
4-ethyltoluene	< 0.15	0.15		ppbV	1	2/3/2022 6:45:00 PM
Acetone	13	3.0		ppbV	10	2/4/2022 6:15:00 AM
Allyl chloride	< 0.15	0.15		ppbV	1	2/3/2022 6:45:00 PM
Benzene	1.2	0.15		ppbV	1	2/3/2022 6:45:00 PM
Benzyl chloride	< 0.15	0.15		ppbV	1	2/3/2022 6:45:00 PM
Bromodichloromethane	< 0.15	0.15		ppbV	1	2/3/2022 6:45:00 PM
Bromoform	< 0.15	0.15		ppbV	1	2/3/2022 6:45:00 PM
Bromomethane	< 0.15	0.15		ppbV	1	2/3/2022 6:45:00 PM
Carbon disulfide	< 0.15	0.15		ppbV	1	2/3/2022 6:45:00 PM
Carbon tetrachloride	0.070	0.030		ppbV	1	2/3/2022 6:45:00 PM
Chlorobenzene	< 0.15	0.15		ppbV	1	2/3/2022 6:45:00 PM
Chloroethane	< 0.15	0.15		ppbV	1	2/3/2022 6:45:00 PM
Chloroform	0.49	0.15		ppbV	1	2/3/2022 6:45:00 PM
Chloromethane	1.9	0.15		ppbV	1	2/3/2022 6:45:00 PM
cis-1,2-Dichloroethene	< 0.040	0.040		ppbV	1	2/3/2022 6:45:00 PM
cis-1,3-Dichloropropene	< 0.15	0.15		ppbV	1	2/3/2022 6:45:00 PM
Cyclohexane	< 0.15	0.15		ppbV	1	2/3/2022 6:45:00 PM
Dibromochloromethane	< 0.15	0.15		ppbV	1	2/3/2022 6:45:00 PM
Ethyl acetate	1.4	0.15		ppbV	1	2/3/2022 6:45:00 PM

Qualifiers: SC Sub-Contracted
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 JN Non-routine analyte. Quantitation estimated.
 S Spike Recovery outside accepted recovery limits

Results reported are not blank corrected
 E Estimated Value above quantitation range
 J Analyte detected below quantitation limit
 ND Not Detected at the Limit of Detection
 DL Detection Limit

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Centek Laboratories, LLC

Date: 04-Feb-22

CLIENT: Matrix Environmental Technologies, Inc
 Lab Order: C2202013
 Project: Aquino 65-67 Lake Ave
 Lab ID: C2202013-003A

Client Sample ID: A1
 Tag Number: 1186,447
 Collection Date: 1/31/2022
 Matrix: AIR

Analyses	Result	DL	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		TO-15		Analyst: RJP		
Ethylbenzene	0.25	0.15		ppbV	1	2/3/2022 6:45:00 PM
Freon 11	0.24	0.15		ppbV	1	2/3/2022 6:45:00 PM
Freon 113	< 0.15	0.15		ppbV	1	2/3/2022 6:45:00 PM
Freon 114	< 0.15	0.15		ppbV	1	2/3/2022 6:45:00 PM
Freon 12	0.44	0.15		ppbV	1	2/3/2022 6:45:00 PM
Heptane	0.42	0.15		ppbV	1	2/3/2022 6:45:00 PM
Hexachloro-1,3-butadiene	< 0.15	0.15		ppbV	1	2/3/2022 6:45:00 PM
Hexane	0.54	0.15		ppbV	1	2/3/2022 6:45:00 PM
Isopropyl alcohol	< 0.15	0.15		ppbV	1	2/3/2022 6:45:00 PM
m&p-Xylene	0.78	0.30		ppbV	1	2/3/2022 6:45:00 PM
Methyl Butyl Ketone	< 0.30	0.30		ppbV	1	2/3/2022 6:45:00 PM
Methyl Ethyl Ketone	1.1	0.30		ppbV	1	2/3/2022 6:45:00 PM
Methyl Isobutyl Ketone	< 0.30	0.30		ppbV	1	2/3/2022 6:45:00 PM
Methyl tert-butyl ether	< 0.15	0.15		ppbV	1	2/3/2022 6:45:00 PM
Methylene chloride	0.21	0.15		ppbV	1	2/3/2022 6:45:00 PM
o-Xylene	0.23	0.15		ppbV	1	2/3/2022 6:45:00 PM
Propylene	< 0.15	0.15		ppbV	1	2/3/2022 6:45:00 PM
Styrene	0.19	0.15		ppbV	1	2/3/2022 6:45:00 PM
Tetrachloroethylene	< 0.15	0.15		ppbV	1	2/3/2022 6:45:00 PM
Tetrahydrofuran	< 0.15	0.15		ppbV	1	2/3/2022 6:45:00 PM
Toluene	2.0	1.5		ppbV	10	2/4/2022 6:15:00 AM
trans-1,2-Dichloroethene	< 0.15	0.15		ppbV	1	2/3/2022 6:45:00 PM
trans-1,3-Dichloropropene	< 0.15	0.15		ppbV	1	2/3/2022 6:45:00 PM
Trichloroethene	< 0.030	0.030		ppbV	1	2/3/2022 6:45:00 PM
Vinyl acetate	< 0.15	0.15		ppbV	1	2/3/2022 6:45:00 PM
Vinyl Bromide	< 0.15	0.15		ppbV	1	2/3/2022 6:45:00 PM
Vinyl chloride	< 0.040	0.040		ppbV	1	2/3/2022 6:45:00 PM
Surr: Bromofluorobenzene	96.0	47-124		%REC	1	2/3/2022 6:45:00 PM

Qualifiers: SC Sub-Contracted
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 JN Non-routine analyte. Quantitation estimated.
 S Spike Recovery outside accepted recovery limits

Results reported are not blank corrected
 E Estimated Value above quantitation range
 J Analyte detected below quantitation limit
 ND Not Detected at the Limit of Detection
 DL Detection Limit

Page 6 of 14

Centek Laboratories, LLC

Date: 04-Feb-22

CLIENT: Matrix Environmental Technologies, Inc
 Lab Order: C2202013
 Project: Aquino 65-67 Lake Ave
 Lab ID: C2202013-003A

Client Sample ID: A1
 Tag Number: 1186,447
 Collection Date: 1/31/2022
 Matrix: AIR

Analyses	Result	DL	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		TO-15		Analyst: RJP		
1,1,1-Trichloroethane	< 0.82	0.82		ug/m3	1	2/3/2022 6:45:00 PM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		ug/m3	1	2/3/2022 6:45:00 PM
1,1,2-Trichloroethane	< 0.82	0.82		ug/m3	1	2/3/2022 6:45:00 PM
1,1-Dichloroethane	< 0.61	0.61		ug/m3	1	2/3/2022 6:45:00 PM
1,1-Dichloroethene	< 0.16	0.16		ug/m3	1	2/3/2022 6:45:00 PM
1,2,4-Trichlorobenzene	< 1.1	1.1		ug/m3	1	2/3/2022 6:45:00 PM
1,2,4-Trimethylbenzene	0.93	0.74		ug/m3	1	2/3/2022 6:45:00 PM
1,2-Dibromoethane	< 1.2	1.2		ug/m3	1	2/3/2022 6:45:00 PM
1,2-Dichlorobenzene	< 0.90	0.90		ug/m3	1	2/3/2022 6:45:00 PM
1,2-Dichloroethane	0.49	0.61	J	ug/m3	1	2/3/2022 6:45:00 PM
1,2-Dichloropropane	< 0.69	0.69		ug/m3	1	2/3/2022 6:45:00 PM
1,3,5-Trimethylbenzene	< 0.74	0.74		ug/m3	1	2/3/2022 6:45:00 PM
1,3-butadiene	< 0.33	0.33		ug/m3	1	2/3/2022 6:45:00 PM
1,3-Dichlorobenzene	< 0.90	0.90		ug/m3	1	2/3/2022 6:45:00 PM
1,4-Dichlorobenzene	1.0	0.90		ug/m3	1	2/3/2022 6:45:00 PM
1,4-Dioxane	< 1.1	1.1		ug/m3	1	2/3/2022 6:45:00 PM
2,2,4-trimethylpentane	0.84	0.70		ug/m3	1	2/3/2022 6:45:00 PM
4-ethyltoluene	< 0.74	0.74		ug/m3	1	2/3/2022 6:45:00 PM
Acetone	31	7.1		ug/m3	10	2/4/2022 6:15:00 AM
Allyl chloride	< 0.47	0.47		ug/m3	1	2/3/2022 6:45:00 PM
Benzene	3.7	0.48		ug/m3	1	2/3/2022 6:45:00 PM
Benzyl chloride	< 0.86	0.86		ug/m3	1	2/3/2022 6:45:00 PM
Bromodichloromethane	< 1.0	1.0		ug/m3	1	2/3/2022 6:45:00 PM
Bromoform	< 1.6	1.6		ug/m3	1	2/3/2022 6:45:00 PM
Bromomethane	< 0.58	0.58		ug/m3	1	2/3/2022 6:45:00 PM
Carbon disulfide	< 0.47	0.47		ug/m3	1	2/3/2022 6:45:00 PM
Carbon tetrachloride	0.44	0.19		ug/m3	1	2/3/2022 6:45:00 PM
Chlorobenzene	< 0.69	0.69		ug/m3	1	2/3/2022 6:45:00 PM
Chloroethane	< 0.40	0.40		ug/m3	1	2/3/2022 6:45:00 PM
Chloroform	2.4	0.73		ug/m3	1	2/3/2022 6:45:00 PM
Chloromethane	3.9	0.31		ug/m3	1	2/3/2022 6:45:00 PM
cis-1,2-Dichloroethene	< 0.16	0.16		ug/m3	1	2/3/2022 6:45:00 PM
cis-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	2/3/2022 6:45:00 PM
Cyclohexane	< 0.52	0.52		ug/m3	1	2/3/2022 6:45:00 PM
Dibromochloromethane	< 1.3	1.3		ug/m3	1	2/3/2022 6:45:00 PM
Ethyl acetate	4.9	0.54		ug/m3	1	2/3/2022 6:45:00 PM
Ethylbenzene	1.1	0.65		ug/m3	1	2/3/2022 6:45:00 PM
Freon 11	1.3	0.84		ug/m3	1	2/3/2022 6:45:00 PM
Freon 113	< 1.1	1.1		ug/m3	1	2/3/2022 6:45:00 PM
Freon 114	< 1.0	1.0		ug/m3	1	2/3/2022 6:45:00 PM

Qualifiers: SC Sub-Contracted
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 JN Non-routine analyte. Quantitation estimated.
 S Spike Recovery outside accepted recovery limits

Results reported are not blank corrected
 E Estimated Value above quantitation range
 J Analyte detected below quantitation limit
 ND Not Detected at the Limit of Detection
 DL Detection Limit

Page 5 of 14

Centek Laboratories, LLC

Date: 04-Feb-22

CLIENT: Matrix Environmental Technologies, Inc
 Lab Order: C2202013
 Project: Aquino 65-67 Lake Ave
 Lab ID: C2202013-003A

Client Sample ID: A1
 Tag Number: 1186,447
 Collection Date: 1/31/2022
 Matrix: AIR

Analyses	Result	DL	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		TO-15		Analyst: RJP		
Freon 12	2.2	0.74		ug/m3	1	2/3/2022 6:45:00 PM
Heptane	1.7	0.61		ug/m3	1	2/3/2022 6:45:00 PM
Hexachloro-1,3-butadiene	< 1.6	1.6		ug/m3	1	2/3/2022 6:45:00 PM
Hexane	1.9	0.53		ug/m3	1	2/3/2022 6:45:00 PM
Isopropyl alcohol	< 0.37	0.37		ug/m3	1	2/3/2022 6:45:00 PM
m&p-Xylene	3.4	1.3		ug/m3	1	2/3/2022 6:45:00 PM
Methyl Butyl Ketone	< 1.2	1.2		ug/m3	1	2/3/2022 6:45:00 PM
Methyl Ethyl Ketone	3.2	0.88		ug/m3	1	2/3/2022 6:45:00 PM
Methyl Isobutyl Ketone	< 1.2	1.2		ug/m3	1	2/3/2022 6:45:00 PM
Methyl tert-butyl ether	< 0.54	0.54		ug/m3	1	2/3/2022 6:45:00 PM
Methylene chloride	0.73	0.52		ug/m3	1	2/3/2022 6:45:00 PM
o-Xylene	1.0	0.65		ug/m3	1	2/3/2022 6:45:00 PM
Propylene	< 0.26	0.26		ug/m3	1	2/3/2022 6:45:00 PM
Styrene	0.81	0.64		ug/m3	1	2/3/2022 6:45:00 PM
Tetrachloroethylene	< 1.0	1.0		ug/m3	1	2/3/2022 6:45:00 PM
Tetrahydrofuran	< 0.44	0.44		ug/m3	1	2/3/2022 6:45:00 PM
Toluene	7.5	5.7		ug/m3	10	2/4/2022 6:15:00 AM
trans-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	2/3/2022 6:45:00 PM
trans-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	2/3/2022 6:45:00 PM
Trichloroethene	< 0.16	0.16		ug/m3	1	2/3/2022 6:45:00 PM
Vinyl acetate	< 0.53	0.53		ug/m3	1	2/3/2022 6:45:00 PM
Vinyl Bromide	< 0.66	0.66		ug/m3	1	2/3/2022 6:45:00 PM
Vinyl chloride	< 0.10	0.10		ug/m3	1	2/3/2022 6:45:00 PM

Qualifiers: SC Sub-Contracted
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 IN Non-routine analyte. Quantitation estimated.
 S Spike Recovery outside accepted recovery limits

Results reported are not blank corrected
 E Estimated Value above quantitation range
 J Analyte detected below quantitation limit
 ND Not Detected at the Limit of Detection
 DL Detection Limit

Page 6 of 14

Data File : C:\HPCHEM\1\DATA\AT020315.D

Vial: 11

Acq On : 3 Feb 2022 6:45 pm

Operator: RJP

Sample : C2202013-003A

Inst : MSD #1

Misc : A201_1UG

Multiplr: 1.00

MS Integration Params: RTEINT.P

Quant Time: Feb 04 08:24:33 2022

Quant Results File: A201_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A201_1UG.M (RTE Integrator)

Title : TO-15 VOA Standards for 5 point calibration

Last Update : Wed Feb 02 07:40:12 2022

Response via : Initial Calibration

DataAcq Meth : 1UG_ENT

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	9.72	128	36988	1.00	ppb	-0.02
35) 1,4-difluorobenzene	12.03	114	157207	1.00	ppb	-0.02
50) Chlorobenzene-d5	16.85	117	148338	1.00	ppb	-0.02

System Monitoring Compounds

65) Bromofluorobenzene	18.64	95	104506	0.96	ppb	-0.01
Spiked Amount	1.000	Range	70 - 130	Recovery	=	96.00%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
3) Freon 12	4.16	85	113260	0.44	ppb	99
4) Chloromethane	4.34	50	118314	1.88	ppb	95
14) Freon 11	5.76	101	65907	0.24	ppb	99
15) Acetone	5.92	58	389323	14.83	ppb	# 60
21) Methylene chloride	6.98	84	10584	0.21	ppb	99
28) Methyl Ethyl Ketone	8.83	72	24613	1.07	ppb	# 100
30) Hexane	8.88	57	34207	0.54	ppb	89
31) Ethyl acetate	9.43	43	150573	1.37	ppb	95
32) Chloroform	9.89	83	76192	0.49	ppb	100
34) 1,2-dichloroethane	11.01	62	14007	0.12	ppb	99
38) Carbon tetrachloride	11.36	117	15508	0.07	ppb	97
39) Benzene	11.33	78	169583	1.17	ppb	94
42) 2,2,4-trimethylpentane	12.20	57	33138	0.18	ppb	# 38
43) Heptane	12.55	43	26598	0.42	ppb	83
51) Toluene	14.80	92	242428	2.10	ppb	95
58) Ethylbenzene	17.17	91	66535	0.25	ppb	99
59) m&p-xylene	17.36	91	176257	0.78	ppb	94
61) Styrene	17.87	104	32047	0.19	ppb	85
63) o-xylene	17.90	91	57591	0.23	ppb	93
71) 1,2,4-trimethylbenzene	19.90	105	47778	0.19	ppb	99
74) 1,4-dichlorobenzene	20.39	146	30469	0.17	ppb	90

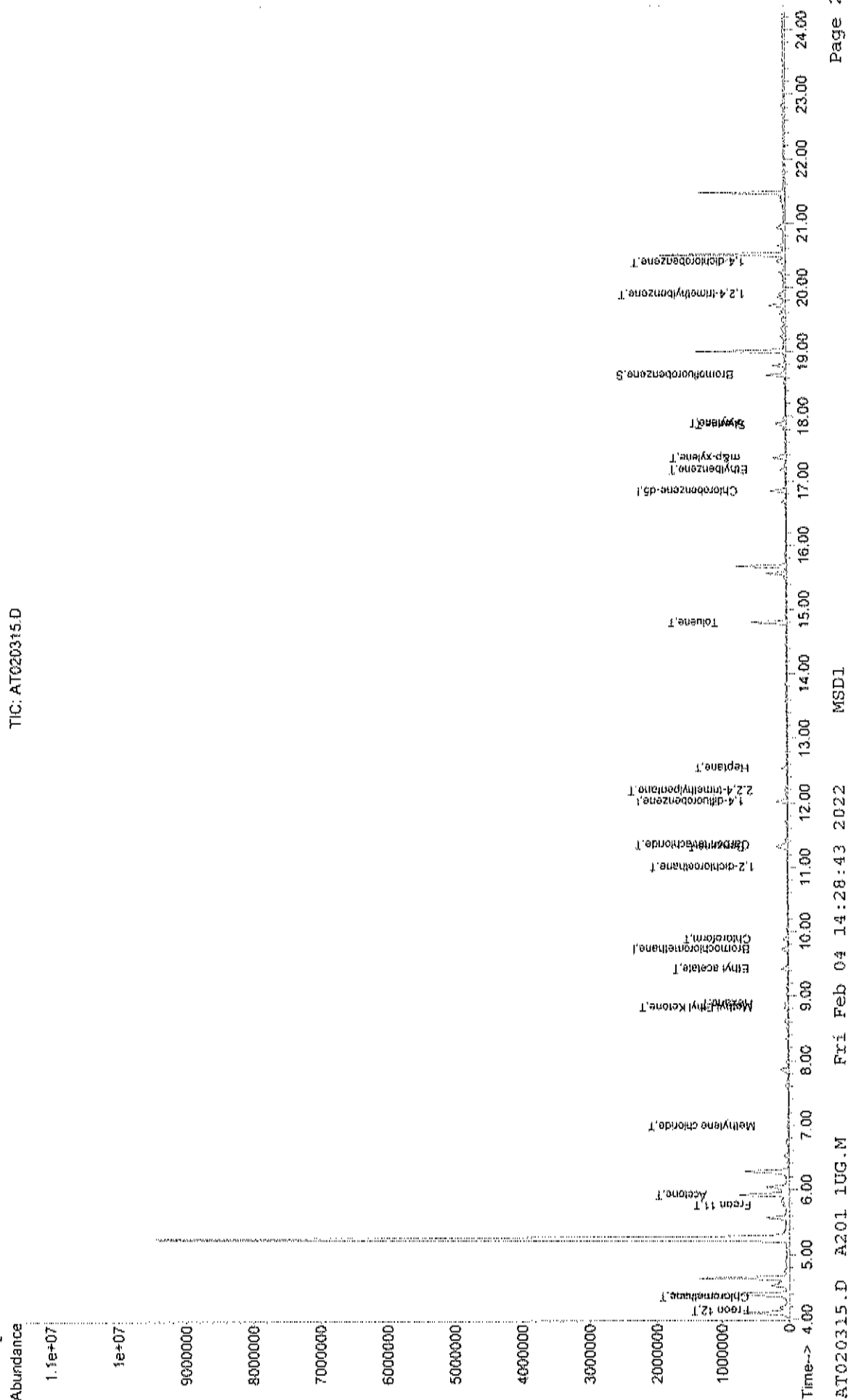
Data File : C:\HPCHEM\1\DATA\AT020315.D
Acq On : 3 Feb 2022 6:45 pm
Sample : C2202013-003A
Misc : A201_1UG
MS Integration Params: RTEINT.P
Quant Time: Feb 4 8:39 2022

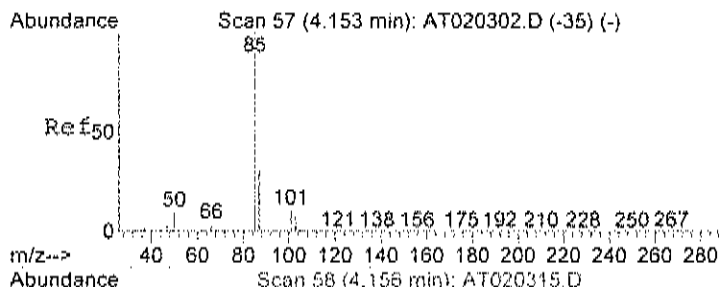
Vial: 11
Operator: RJP
Inst : MSD #1
Multiplx: 1.00

Quant Results File: A201_1UG.RES

Method : C:\HPCHEM\1\METHODS\A201_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Fri Feb 04 14:02:12 2022
Response via : Initial Calibration

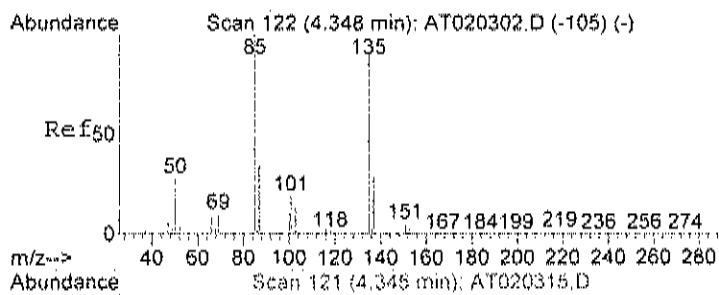
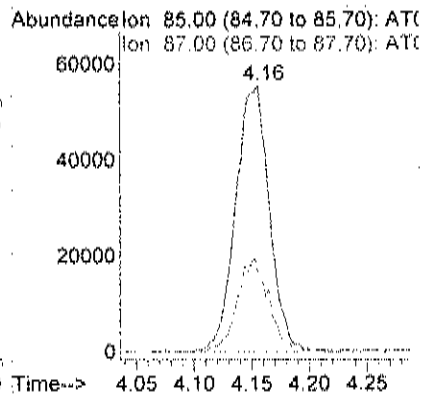
TIC: AT020315.D





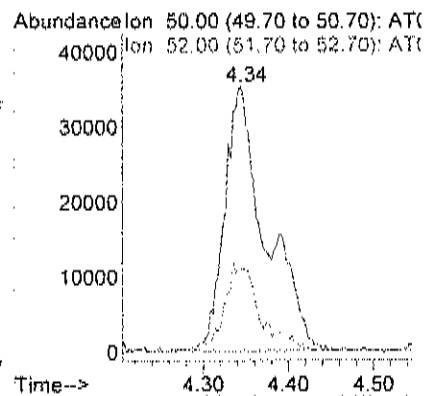
#3
Freon 12
Concen: 0.44 ppb
RT: 4.16 min Scan# 58
Delta R.T. -0.01 min
Lab File: AT020315.D
Acq: 3 Feb 2022 6:45 pm

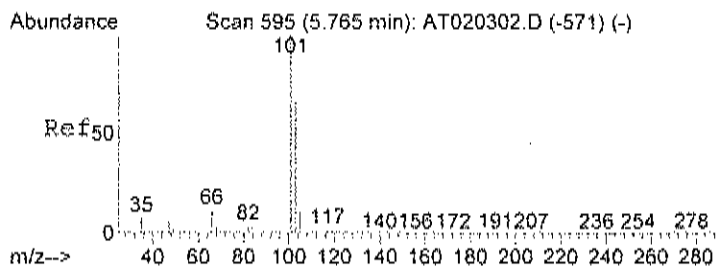
Tgt Ion: 85 Resp: 113260
Ion Ratio Lower Upper
85 100
87 33.2 12.9 52.9



#4
Chloromethane
Concen: 1.88 ppb
RT: 4.34 min Scan# 121
Delta R.T. -0.02 min
Lab File: AT020315.D
Acq: 3 Feb 2022 6:45 pm

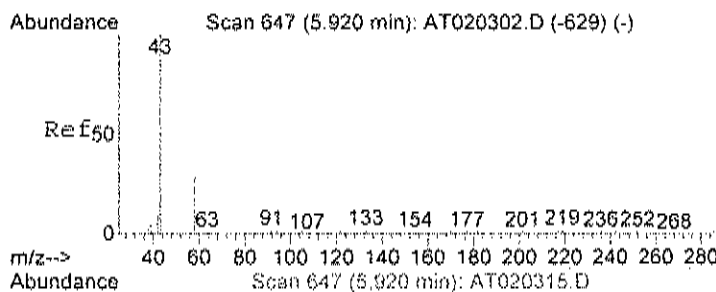
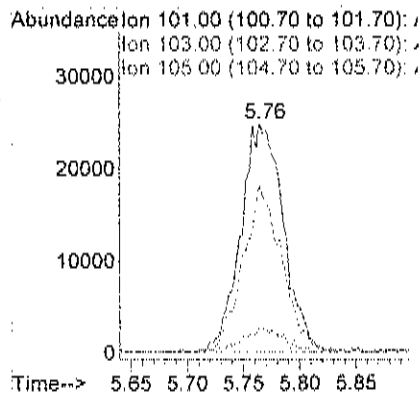
Tgt Ion: 50 Resp: 118314
Ion Ratio Lower Upper
50 100
52 29.6 6.9 46.9





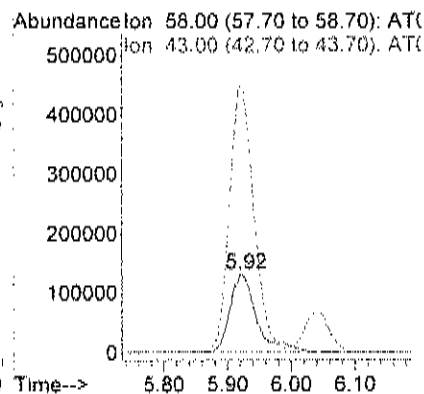
#14
Freon 11
Concen: 0.24 ppb
RT: 5.76 min Scan# 595
Delta R.T. -0.02 min
Lab File: AT020315.D
Acq: 3 Feb 2022 6:45 pm

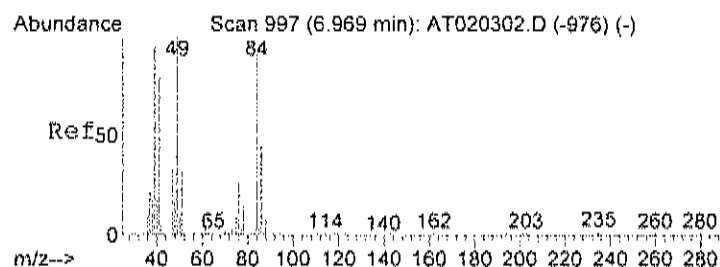
Tgt Ion	101	Resp	65907
Ion Ratio	Lower	Upper	
101	100		
103	66.5	45.9	85.9
105	10.5	0.0	30.8



#15
Acetone
Concen: 14.83 ppb
RT: 5.92 min Scan# 647
Delta R.T. -0.03 min
Lab File: AT020315.D
Acq: 3 Feb 2022 6:45 pm

Tgt Ion	58	Resp	389323
Ion Ratio	Lower	Upper	
58	100		
43	354.2	249.9	309.9#





#21
Methylene chloride
Concen: 0.21 ppb
RT: 6.98 min Scan# 1001
Delta R.T. -0.02 min
Lab File: AT020315.D
Acq: 3 Feb 2022 6:45 pm

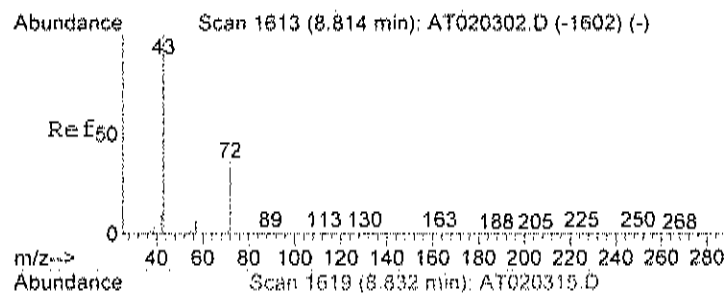
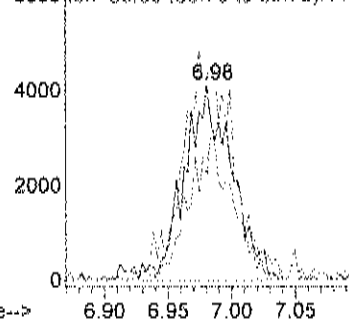
Tgt Ion	Ratio	Lower	Upper
84	100		
49	117.5	96.8	136.8
86	67.5	45.5	85.5

Abundance

Ion 84.00 (83.70 to 84.70): AT(

Ion 49.00 (48.70 to 49.70): AT(

Ion 86.00 (85.70 to 86.70): AT(



#28
Methyl Ethyl Ketone
Concen: 1.07 ppb
RT: 8.83 min Scan# 1619
Delta R.T. -0.02 min
Lab File: AT020315.D
Acq: 3 Feb 2022 6:45 pm

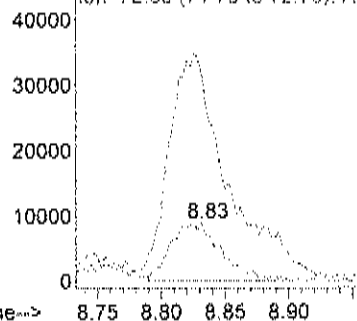
Tgt Ion	Ratio	Lower	Upper
72	100		
43	450.9	0.0	20.0#
72	100.0	80.0	120.0

Abundance

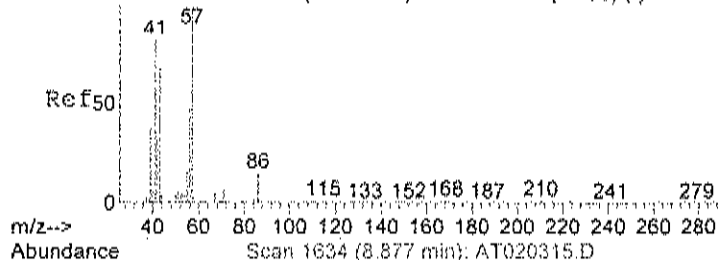
Ion 72.00 (71.70 to 72.70): AT(

Ion 43.00 (42.70 to 43.70): AT(

Ion 72.00 (71.70 to 72.70): AT(



Abundance Scan 1633 (8.874 min): AT020302.D (-1598) (-)



#30

Hexane

Concen: 0.54 ppb

RT: 8.88 min Scan# 1634

Delta R.T. -0.03 min

Lab File: AT020315.D

Acq: 3 Feb 2022 6:45 pm

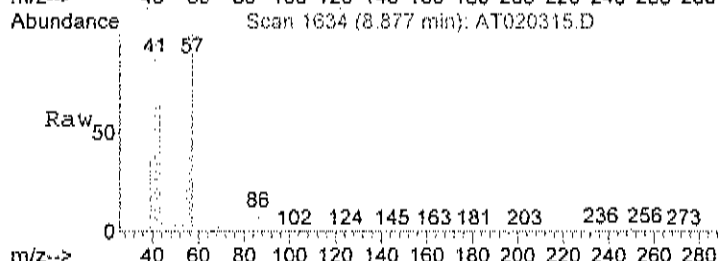
Tgt Ion: 57 Resp: 34207

Ion Ratio Lower Upper

57 100

41 89.2 61.2 101.2

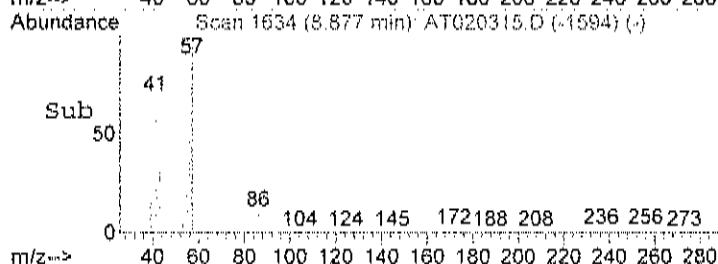
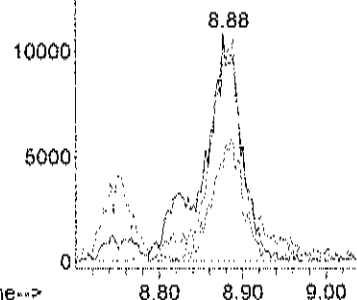
56 44.2 34.3 74.3



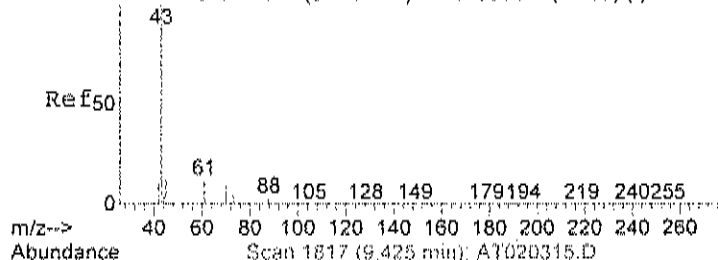
Abundance Ion 57.00 (56.70 to 57.70): AT(

Ion 41.00 (40.70 to 41.70): AT(

Ion 56.00 (55.70 to 56.70): AT(



Abundance Scan 1815 (9.419 min): AT020302.D (-1793) (-)



#31

Ethyl acetate

Concen: 1.37 ppb

RT: 9.43 min Scan# 1817

Delta R.T. -0.02 min

Lab File: AT020315.D

Acq: 3 Feb 2022 6:45 pm

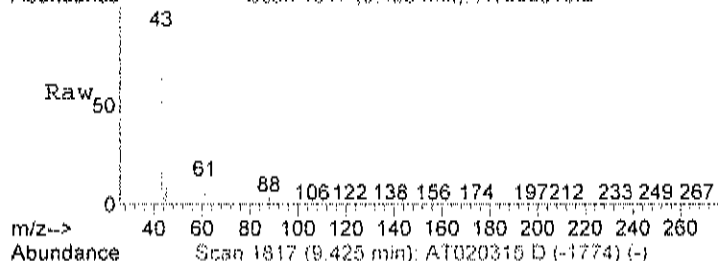
Tgt Ion: 43 Resp: 150573

Ion Ratio Lower Upper

43 100

45 13.6 0.0 35.4

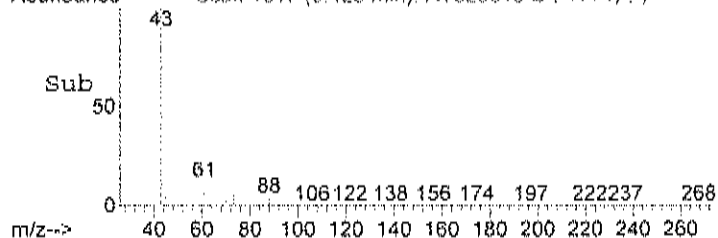
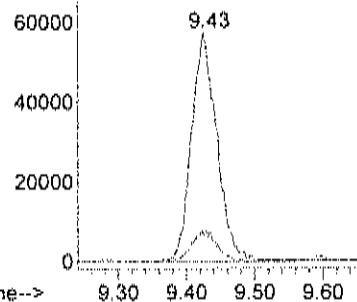
61 13.4 0.0 35.8

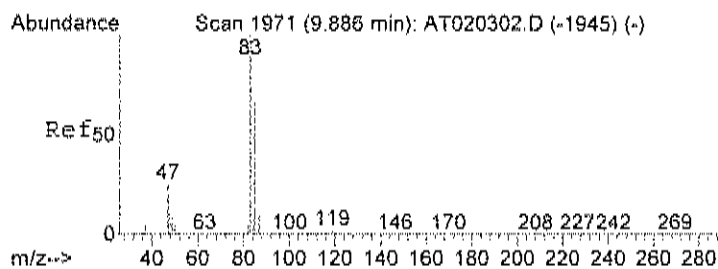


Abundance Ion 43.00 (42.70 to 43.70): AT(

Ion 45.00 (44.70 to 45.70): AT(

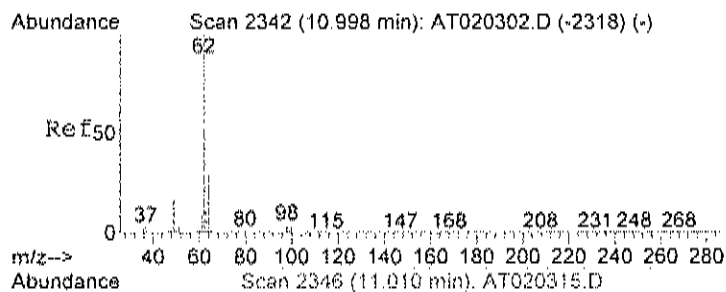
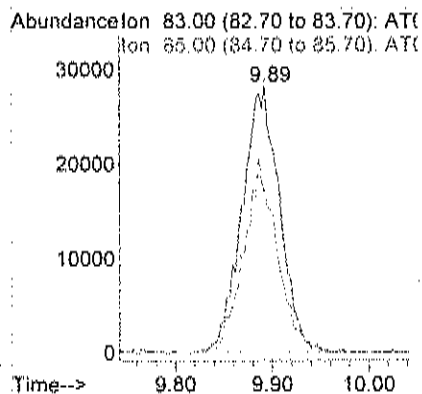
Ion 61.00 (60.70 to 61.70): AT(





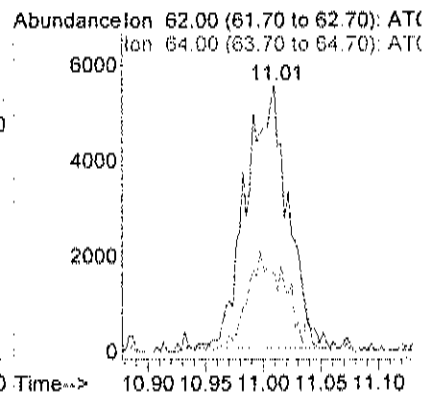
#32
Chloroform
Concen: 0.49 ppb
RT: 9.89 min Scan# 1973
Delta R.T. -0.02 min
Lab File: AT020315.D
Acq: 3 Feb 2022 6:45 pm

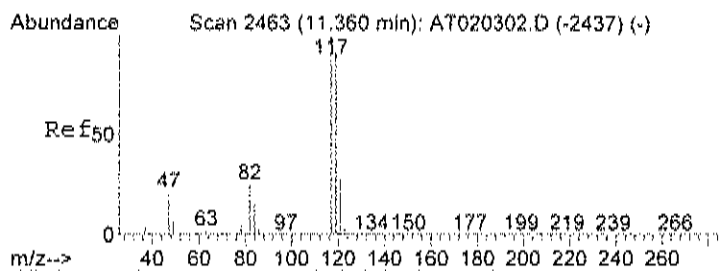
Tgt Ion: 83 Resp: 76192
Ion Ratio Lower Upper
83 100
85 65.2 45.3 85.3



#34
1,2-dichloroethane
Concen: 0.12 ppb
RT: 11.01 min Scan# 2346
Delta R.T. -0.01 min
Lab File: AT020315.D
Acq: 3 Feb 2022 6:45 pm

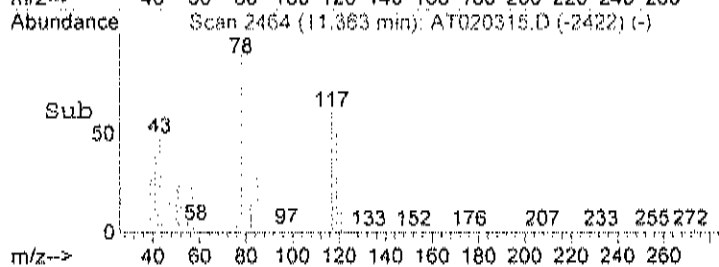
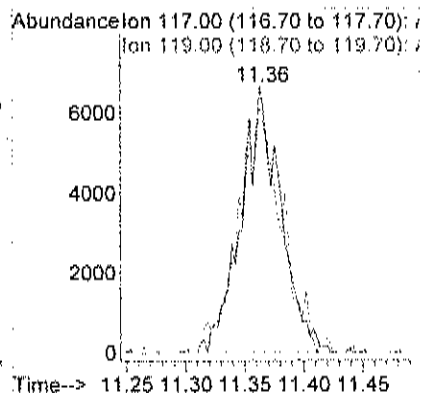
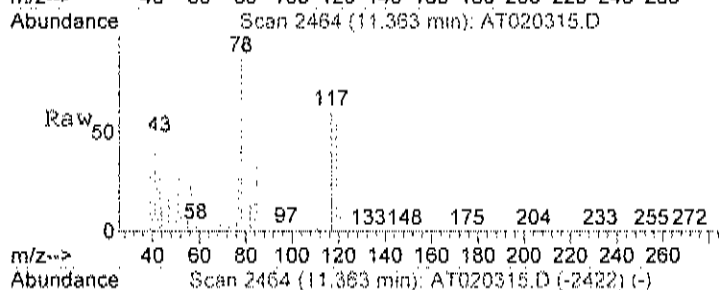
Tgt Ion: 62 Resp: 14007
Ion Ratio Lower Upper
62 100
64 32.9 12.2 52.2





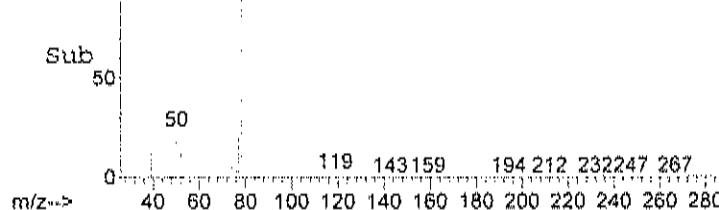
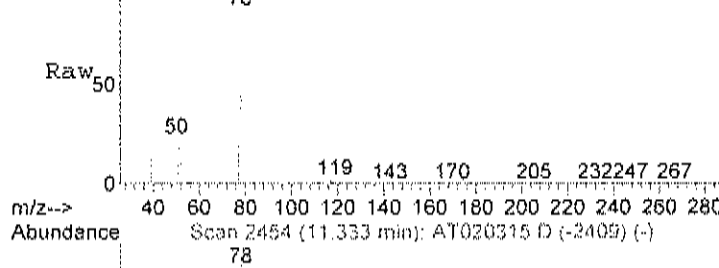
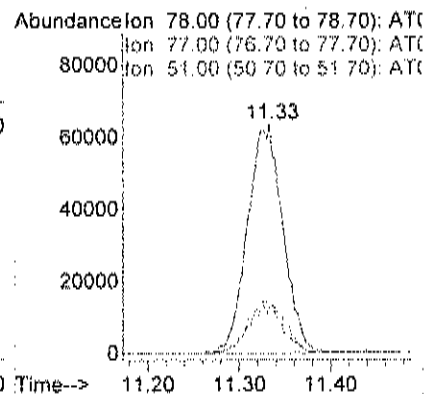
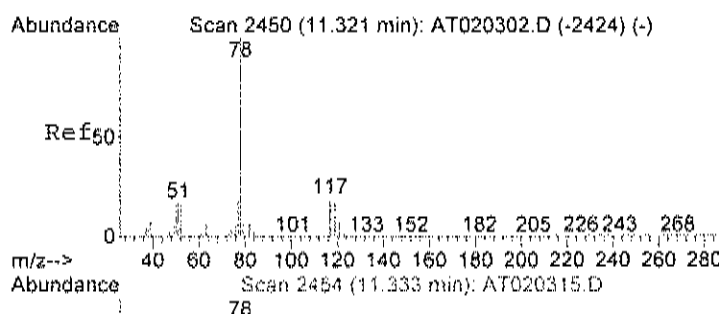
#38
Carbon tetrachloride
Concen: 0.07 ppb
RT: 11.36 min Scan# 2464
Delta R.T. -0.02 min
Lab File: AT020315.D
Acq: 3 Feb 2022 6:45 pm

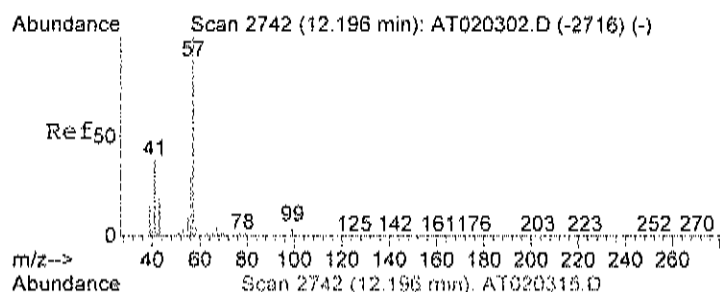
Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.3	76.8	116.8



#39
Benzene
Concen: 1.17 ppb
RT: 11.33 min Scan# 2454
Delta R.T. -0.02 min
Lab File: AT020315.D
Acq: 3 Feb 2022 6:45 pm

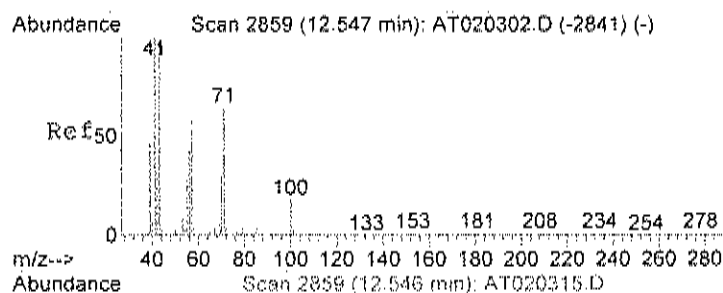
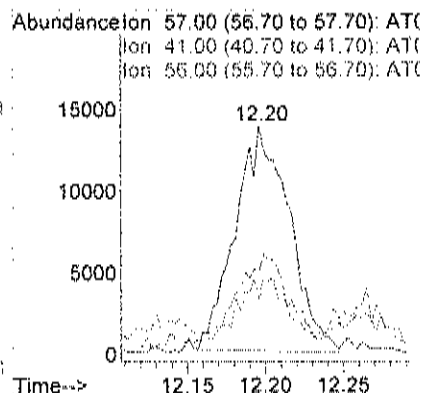
Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	3.3	43.3
51	21.0	0.0	35.1





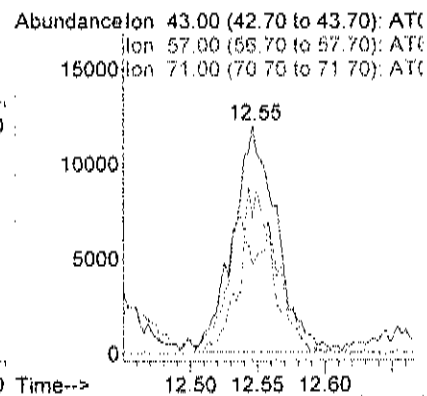
#42
2,2,4-trimethylpentane
Concen: 0.18 ppb
RT: 12.20 min Scan# 2742
Delta R.T. -0.02 min
Lab File: AT020315.D
Acq: 3 Feb 2022 6:45 pm

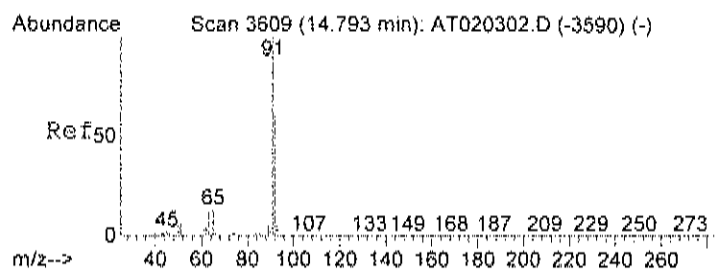
Tgt Ion	57	Resp	33138
Ion Ratio	Lower	Upper	
57	100		
41	87.6	12.0	52.0#
56	47.6	13.4	53.4



#43
Heptane
Concen: 0.42 ppb
RT: 12.55 min Scan# 2859
Delta R.T. -0.02 min
Lab File: AT020315.D
Acq: 3 Feb 2022 6:45 pm

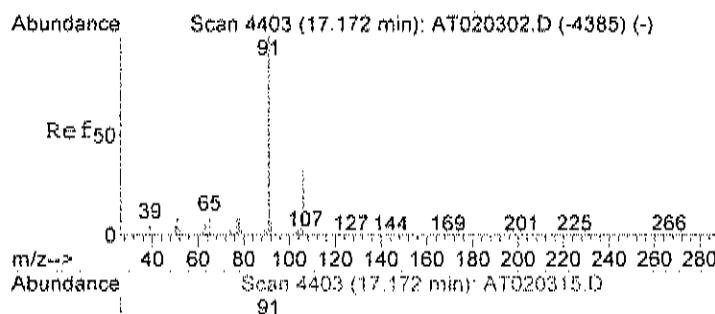
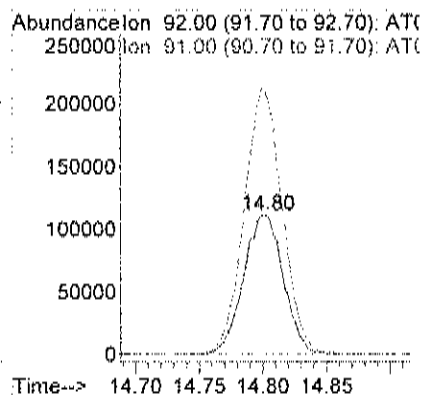
Tgt Ion	43	Resp	26598
Ion Ratio	Lower	Upper	
43	100		
57	73.8	37.9	77.9
71	52.4	43.1	83.1





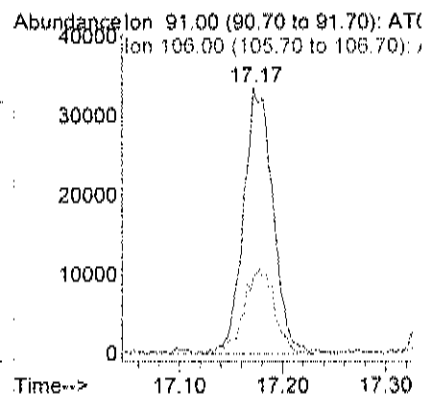
#51
Toluene
Concen: 2.10 ppb
RT: 14.80 min Scan# 3612
Delta R.T. -0.02 min
Lab File: AT020315.D
Acq: 3 Feb 2022 6:45 pm

Tgt Ion: 92 Resp: 242428
Ion Ratio Lower Upper
92 100
91 181.8 155.2 195.2

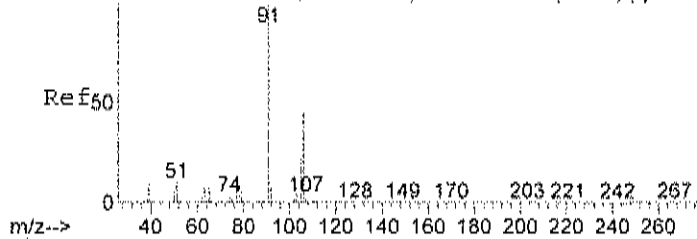


#58
Ethylbenzene
Concen: 0.25 ppb
RT: 17.17 min Scan# 4403
Delta R.T. -0.02 min
Lab File: AT020315.D
Acq: 3 Feb 2022 6:45 pm

Tgt Ion: 91 Resp: 66535
Ion Ratio Lower Upper
91 100
106 32.2 11.7 51.7



Abundance Scan 4475 (17.387 min): AT020302.D (-4449) (-)



#59

m&p-xylene

Concen: 0.78 ppb

RT: 17.36 min Scan# 4466

Delta R.T. -0.04 min

Lab File: AT020315.D

Acq: 3 Feb 2022 6:45 pm

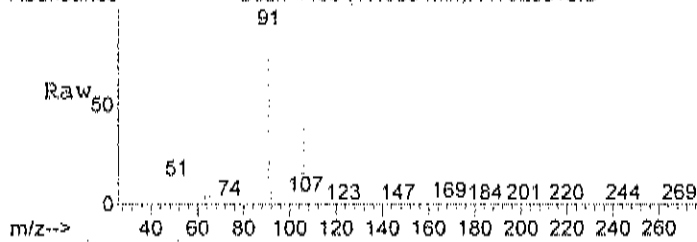
Tgt Ion: 91 Resp: 176257

Ion Ratio Lower Upper

91 100

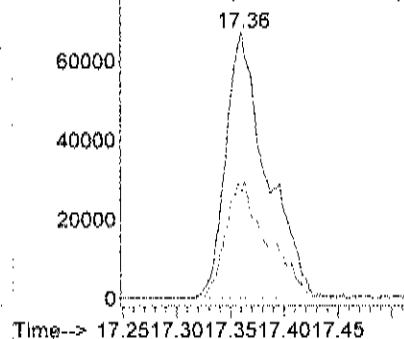
106 45.3 29.7 69.7

Abundance Scan 4466 (17.360 min): AT020315.D

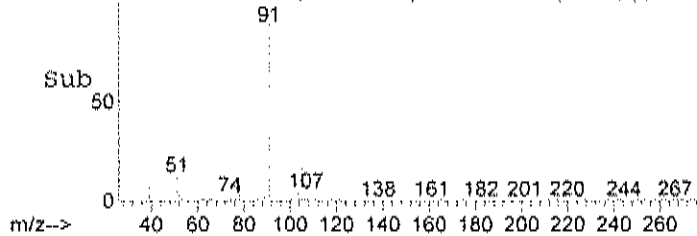


Abundance Ion 91.00 (90.70 to 91.70): AT(

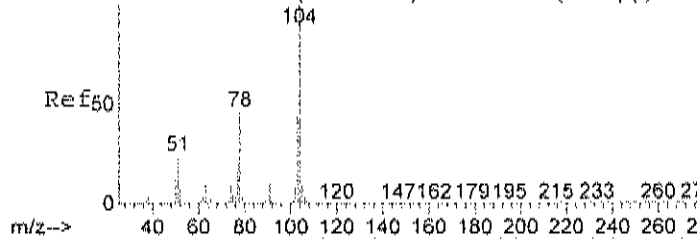
Ion 106.00 (105.70 to 106.70):



Abundance Scan 4466 (17.360 min): AT020315.D (-4431) (-)



Abundance Scan 4630 (17.852 min): AT020302.D (-4612) (-)



#61

Styrene

Concen: 0.19 ppb

RT: 17.87 min Scan# 4635

Delta R.T. -0.02 min

Lab File: AT020315.D

Acq: 3 Feb 2022 6:45 pm

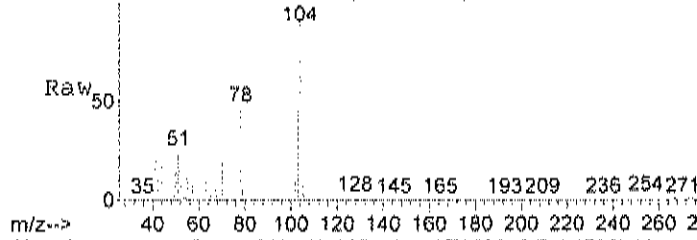
Tgt Ion: 104 Resp: 32047

Ion Ratio Lower Upper

104 100

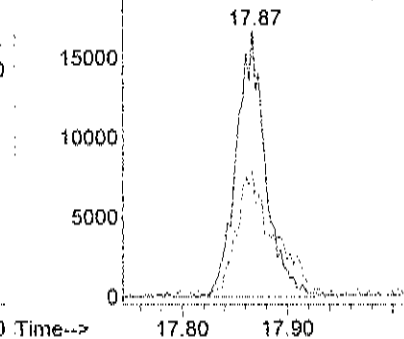
78 62.5 31.9 71.9

Abundance Scan 4635 (17.867 min): AT020315.D

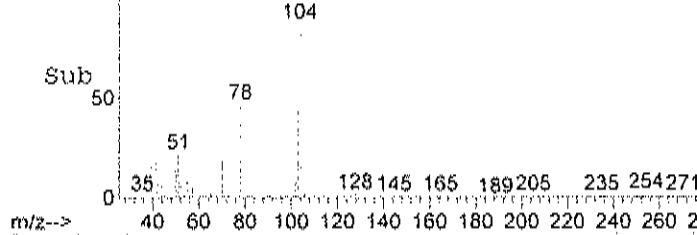


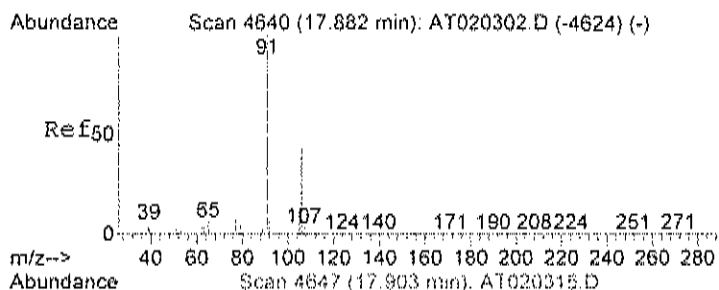
Abundance Ion 104.00 (103.70 to 104.70):

Ion 78.00 (77.70 to 78.70): AT(



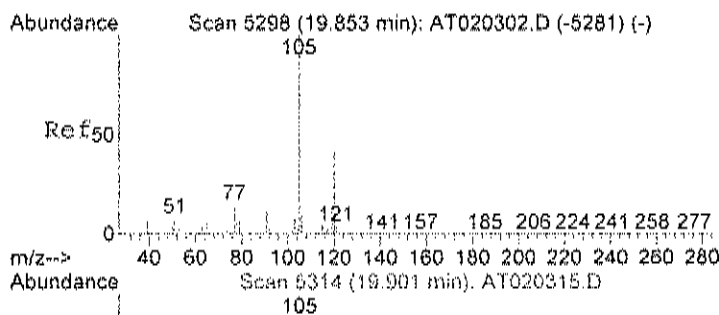
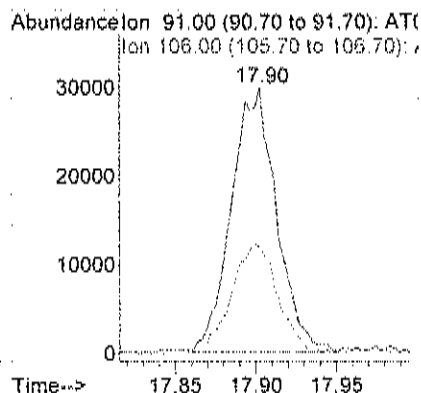
Abundance Scan 4635 (17.867 min): AT020315.D (-4590) (-)





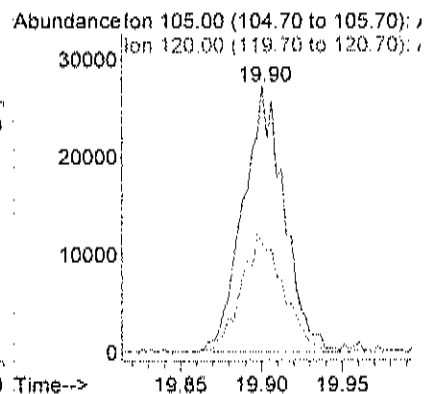
#63
o-xylene
Concen: 0.23 ppb
RT: 17.90 min Scan# 4647
Delta R.T. -0.01 min
Lab File: AT020315.D
Acq: 3 Feb 2022 6:45 pm

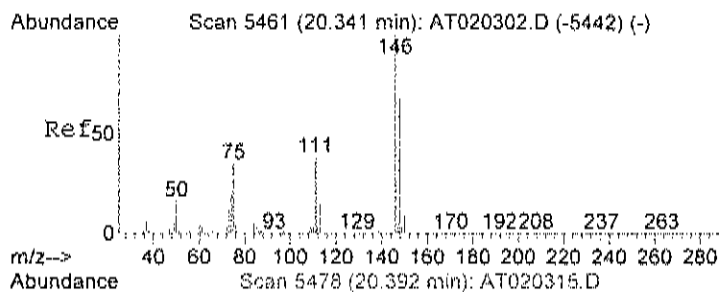
Tgt Ion: 91 Resp: 57591
Ion Ratio Lower Upper
91 100
106 42.8 27.3 67.3



#71
1,2,4-trimethylbenzene
Concen: 0.19 ppb
RT: 19.90 min Scan# 5314
Delta R.T. -0.02 min
Lab File: AT020315.D
Acq: 3 Feb 2022 6:45 pm

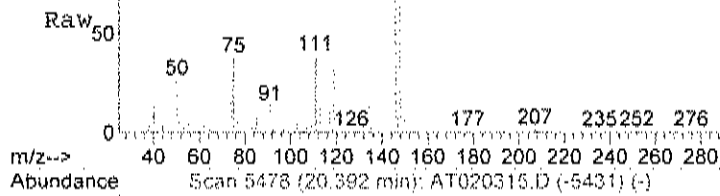
Tgt Ion: 105 Resp: 47778
Ion Ratio Lower Upper
105 100
120 46.6 25.8 65.8





#74
1,4-dichlorobenzene
Concen: 0.17 ppb
RT: 20.39 min Scan# 5478
Delta R.T. -0.01 min
Lab File: AT020315.D
Acq: 3 Feb 2022 6:45 pm

Tgt Ion	Ratio	Lower	Upper
146	100		
148	66.9	40.0	80.0
111	41.2	15.0	55.0

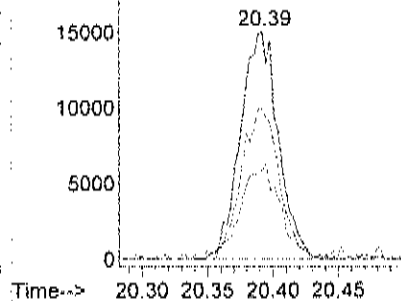
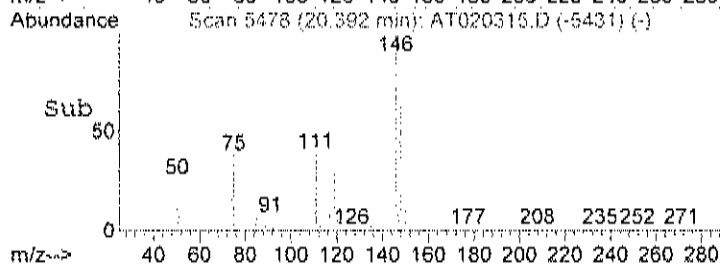


Abundance

Ion 146.00 (145.70 to 146.70):

Ion 148.00 (147.70 to 148.70):

Ion 111.00 (110.70 to 111.70):



Data File : C:\HPCHEM\1\DATA\AT020331.D

Vial: 55

Acq On : 4 Feb 2022 6:15 am

Operator: RJP

Sample : C2202013-003A 10X

Inst : MSD #1

Misc : A201_1UG

Multiplr: 1.00

MS Integration Params: RTEINT.P

Quant Time: Feb 04 08:24:49 2022

Quant Results File: A201_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A201_1UG.M (RTE Integrator)

Title : TO-15 VOA Standards for 5 point calibration

Last Update : Wed Feb 02 07:40:12 2022

Response via : Initial Calibration

DataAcq Meth : 1UG_ENT

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	9.72	128	29386	1.00	ppb	-0.03
35) 1,4-difluorobenzene	12.03	114	120007	1.00	ppb	-0.02
50) Chlorobenzene-d5	16.85	117	108498	1.00	ppb	0.00

System Monitoring Compounds

65) Bromofluorobenzene	18.65	95	69313	0.87	ppb	0.00
Spiked Amount	1.000	Range	70 ~ 130	Recovery	=	87.00%

Target Compounds

						Qvalue
15) Acetone	5.92	58	26956	1.29	ppb	# 1
51) Toluene	14.80	92	16452	0.20	ppb	87

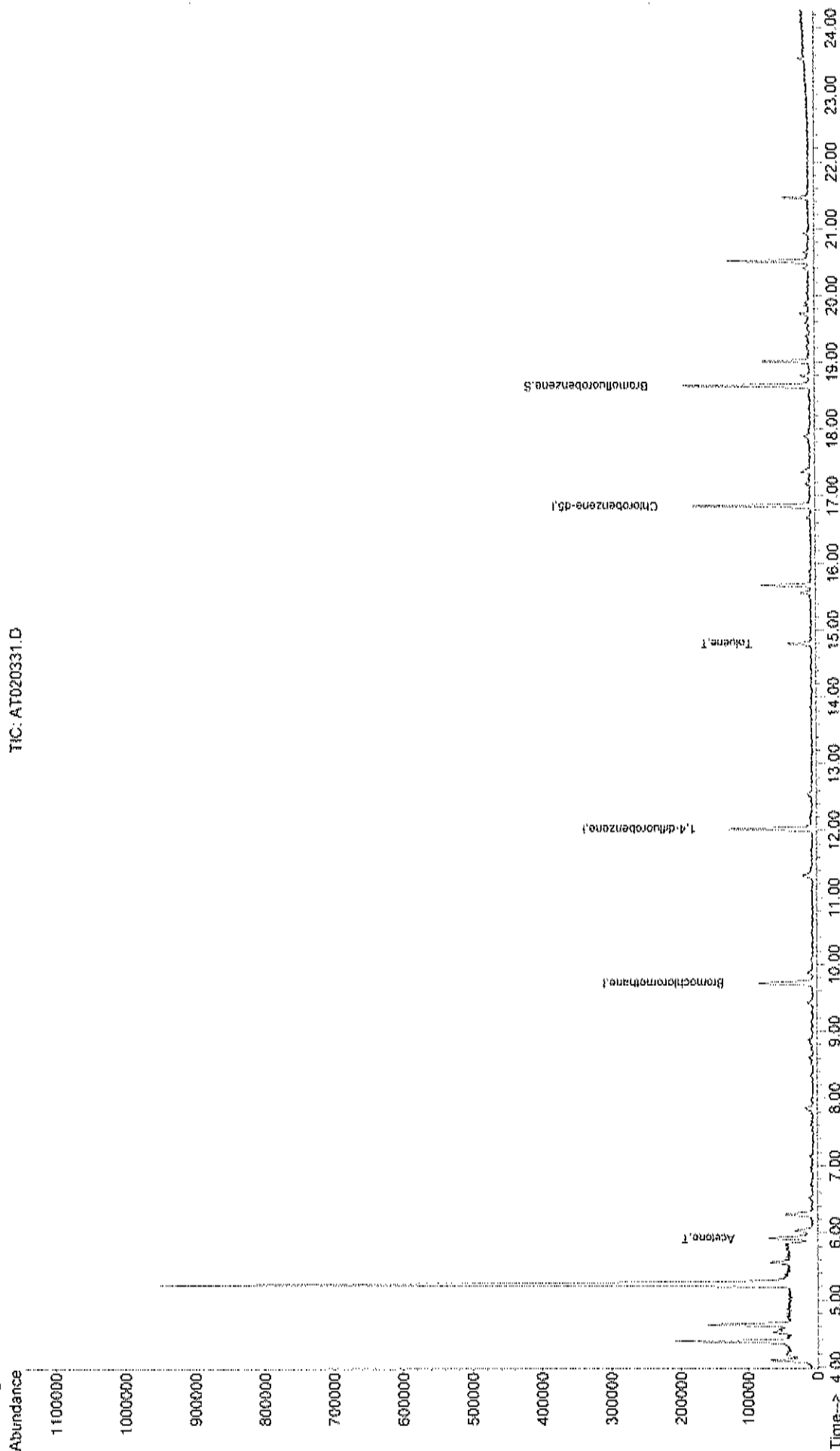
Data File : C:\HPCHEM\1\DATA\AT020331.D
Acq On : 4 Feb 2022 6:15 am
Sample : C2202013-003A 10X
Misc : A201_1UG
MS Integration Params: RTEINT.P
Quant Time: Feb 4 8:51 2022

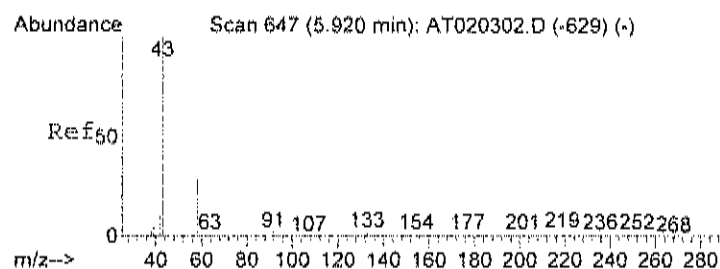
Vial: 55
Operator: RJP
Inst : MSD #1
Multiplr: 1.00

Quant Results File: A201_1UG.RES

Method : C:\HPCHEM\1\METHODS\A201_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Fri Feb 04 14:02:12 2022
Response via : Initial Calibration

TIC: AT020331.D



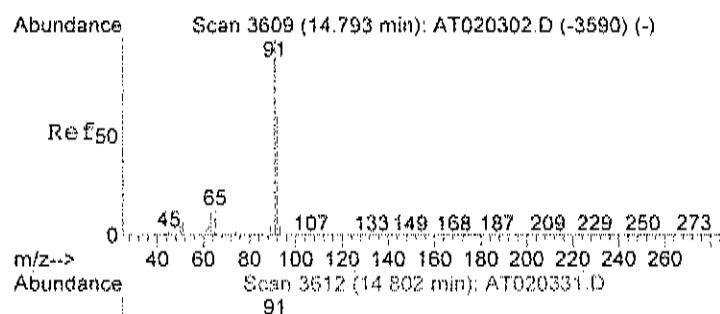
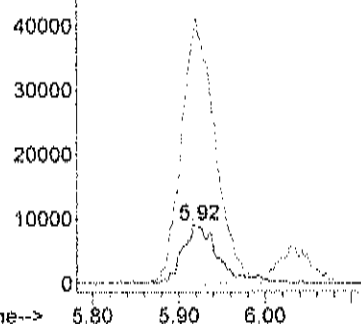


#15
Acetone
Concen: 1.29 ppb
RT: 5.92 min Scan# 646
Delta R.T. -0.04 min
Lab File: AT020331.D
Acq: 4 Feb 2022 6:15 am

Tgt Ion	58	Resp	26956
Ion Ratio	Lower	Upper	
58	100		
43	467.4	249.9	309.9#

Abundance Ion 58.00 (57.70 to 58.70): AT(

Ion 43.00 (42.70 to 43.70): AT(

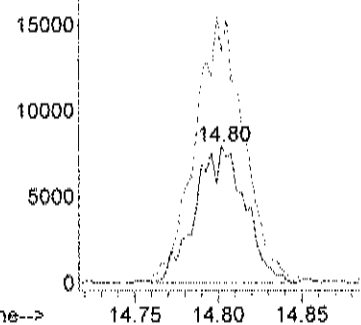


#51
Toluene
Concen: 0.20 ppb
RT: 14.80 min Scan# 3612
Delta R.T. -0.02 min
Lab File: AT020331.D
Acq: 4 Feb 2022 6:15 am

Tgt Ion	92	Resp	16452
Ion Ratio	Lower	Upper	
92	100		
91	192.8	155.2	195.2

Abundance Ion 92.00 (91.70 to 92.70): AT(

Ion 91.00 (90.70 to 91.70): AT(



Centek Laboratories, LLC

Date: 04-Feb-22

CLIENT: Matrix Environmental Technologies, Inc
 Lab Order: C2202013
 Project: Aquino 65-67 Lake Ave
 Lab ID: C2202013-004A

Client Sample ID: A2
 Tag Number: 1176,440
 Collection Date: 2/1/2022
 Matrix: AIR

Analyses	Result	DL	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		FLD				Analyst:
Lab Vacuum In	-3			"Hg		2/3/2022
Lab Vacuum Out	-30			"Hg		2/3/2022
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		TO-15				Analyst: RJP
1,1,1-Trichloroethane	< 0.15	0.15		ppbV	1	2/3/2022 7:29:00 PM
1,1,2,2-Tetrachloroethane	< 0.15	0.15		ppbV	1	2/3/2022 7:29:00 PM
1,1,2-Trichloroethane	< 0.15	0.15		ppbV	1	2/3/2022 7:29:00 PM
1,1-Dichloroethane	< 0.15	0.15		ppbV	1	2/3/2022 7:29:00 PM
1,1-Dichloroethene	< 0.040	0.040		ppbV	1	2/3/2022 7:29:00 PM
1,2,4-Trichlorobenzene	< 0.15	0.15		ppbV	1	2/3/2022 7:29:00 PM
1,2,4-Trimethylbenzene	0.13	0.15	J	ppbV	1	2/3/2022 7:29:00 PM
1,2-Dibromoethane	< 0.15	0.15		ppbV	1	2/3/2022 7:29:00 PM
1,2-Dichlorobenzene	< 0.15	0.15		ppbV	1	2/3/2022 7:29:00 PM
1,2-Dichloroethane	< 0.15	0.15		ppbV	1	2/3/2022 7:29:00 PM
1,2-Dichloropropane	< 0.15	0.15		ppbV	1	2/3/2022 7:29:00 PM
1,3,5-Trimethylbenzene	< 0.15	0.15		ppbV	1	2/3/2022 7:29:00 PM
1,3-butadiene	< 0.15	0.15		ppbV	1	2/3/2022 7:29:00 PM
1,3-Dichlorobenzene	< 0.15	0.15		ppbV	1	2/3/2022 7:29:00 PM
1,4-Dichlorobenzene	< 0.15	0.15		ppbV	1	2/3/2022 7:29:00 PM
1,4-Dioxane	< 0.30	0.30		ppbV	1	2/3/2022 7:29:00 PM
2,2,4-trimethylpentane	0.10	0.15	J	ppbV	1	2/3/2022 7:29:00 PM
4-ethyltoluene	< 0.15	0.15		ppbV	1	2/3/2022 7:29:00 PM
Acetone	16	3.0		ppbV	10	2/4/2022 6:58:00 AM
Allyl chloride	< 0.15	0.15		ppbV	1	2/3/2022 7:29:00 PM
Benzene	0.79	0.15		ppbV	1	2/3/2022 7:29:00 PM
Benzyl chloride	< 0.15	0.15		ppbV	1	2/3/2022 7:29:00 PM
Bromodichloromethane	< 0.15	0.15		ppbV	1	2/3/2022 7:29:00 PM
Bromoform	< 0.15	0.15		ppbV	1	2/3/2022 7:29:00 PM
Bromomethane	< 0.15	0.15		ppbV	1	2/3/2022 7:29:00 PM
Carbon disulfide	< 0.15	0.15		ppbV	1	2/3/2022 7:29:00 PM
Carbon tetrachloride	0.070	0.030		ppbV	1	2/3/2022 7:29:00 PM
Chlorobenzene	< 0.15	0.15		ppbV	1	2/3/2022 7:29:00 PM
Chloroethane	< 0.15	0.15		ppbV	1	2/3/2022 7:29:00 PM
Chloroform	0.12	0.15	J	ppbV	1	2/3/2022 7:29:00 PM
Chloromethane	< 0.15	0.15		ppbV	1	2/3/2022 7:29:00 PM
cis-1,2-Dichloroethene	< 0.040	0.040		ppbV	1	2/3/2022 7:29:00 PM
cis-1,3-Dichloropropene	< 0.15	0.15		ppbV	1	2/3/2022 7:29:00 PM
Cyclohexane	< 0.15	0.15		ppbV	1	2/3/2022 7:29:00 PM
Dibromochloromethane	< 0.15	0.15		ppbV	1	2/3/2022 7:29:00 PM
Ethyl acetate	0.49	0.15		ppbV	1	2/3/2022 7:29:00 PM

Qualifiers: SC Sub-Contracted
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 JN Non-routine analyte. Quantitation estimated.
 S Spike Recovery outside accepted recovery limits

Results reported are not blank corrected
 E Estimated Value above quantitation range
 J Analyte detected below quantitation limit
 ND Not Detected at the Limit of Detection
 DL Detection Limit

Page 7 of 14

Centek Laboratories, LLC

Date: 04-Feb-22

CLIENT: Matrix Environmental Technologies, Inc
 Lab Order: C2202013
 Project: Aquino 65-67 Lake Ave
 Lab ID: C2202013-004A

Client Sample ID: A2
 Tag Number: 1176,440
 Collection Date: 2/1/2022
 Matrix: AIR

Analyses	Result	DL	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		TO-15		Analyst: RJP		
Ethylbenzene	0.16	0.15		ppbV	1	2/3/2022 7:29:00 PM
Freon 11	0.19	0.15		ppbV	1	2/3/2022 7:29:00 PM
Freon 113	< 0.15	0.15		ppbV	1	2/3/2022 7:29:00 PM
Freon 114	< 0.15	0.15		ppbV	1	2/3/2022 7:29:00 PM
Freon 12	0.44	0.15		ppbV	1	2/3/2022 7:29:00 PM
Heptane	0.49	0.15		ppbV	1	2/3/2022 7:29:00 PM
Hexachloro-1,3-butadiene	< 0.15	0.15		ppbV	1	2/3/2022 7:29:00 PM
Hexane	0.41	0.15		ppbV	1	2/3/2022 7:29:00 PM
Isopropyl alcohol	7.8	1.5		ppbV	10	2/4/2022 6:58:00 AM
m&p-Xylene	0.44	0.30		ppbV	1	2/3/2022 7:29:00 PM
Methyl Butyl Ketone	< 0.30	0.30		ppbV	1	2/3/2022 7:29:00 PM
Methyl Ethyl Ketone	0.74	0.30		ppbV	1	2/3/2022 7:29:00 PM
Methyl Isobutyl Ketone	< 0.30	0.30		ppbV	1	2/3/2022 7:29:00 PM
Methyl tert-butyl ether	< 0.15	0.15		ppbV	1	2/3/2022 7:29:00 PM
Methylene chloride	0.35	0.15		ppbV	1	2/3/2022 7:29:00 PM
o-Xylene	0.15	0.15		ppbV	1	2/3/2022 7:29:00 PM
Propylene	< 0.15	0.15		ppbV	1	2/3/2022 7:29:00 PM
Styrene	0.14	0.15	J	ppbV	1	2/3/2022 7:29:00 PM
Tetrachloroethylene	< 0.15	0.15		ppbV	1	2/3/2022 7:29:00 PM
Tetrahydrofuran	< 0.15	0.15		ppbV	1	2/3/2022 7:29:00 PM
Toluene	1.6	0.15		ppbV	1	2/3/2022 7:29:00 PM
trans-1,2-Dichloroethene	< 0.15	0.15		ppbV	1	2/3/2022 7:29:00 PM
trans-1,3-Dichloropropene	< 0.15	0.15		ppbV	1	2/3/2022 7:29:00 PM
Trichloroethene	< 0.030	0.030		ppbV	1	2/3/2022 7:29:00 PM
Vinyl acetate	< 0.15	0.15		ppbV	1	2/3/2022 7:29:00 PM
Vinyl Bromide	< 0.15	0.15		ppbV	1	2/3/2022 7:29:00 PM
Vinyl chloride	< 0.040	0.040		ppbV	1	2/3/2022 7:29:00 PM
Surr: Bromofluorobenzene	97.0	47-124		%REC	1	2/3/2022 7:29:00 PM

Qualifiers: SC Sub-Contracted
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 JN Non-routine analyte, Quantitation estimated,
 S Spike Recovery outside accepted recovery limits

Results reported are not blank corrected
 E Estimated Value above quantitation range
 J Analyte detected below quantitation limit
 ND Not Detected at the Limit of Detection
 DL Detection Limit

Page 8 of 14

Centek Laboratories, LLC

Date: 04-Feb-22

CLIENT: Matrix Environmental Technologies, Inc
 Lab Order: C2202013
 Project: Aquino 65-67 Lake Ave
 Lab ID: C2202013-004A

Client Sample ID: A2
 Tag Number: 1176,440
 Collection Date: 2/1/2022
 Matrix: AIR

Analyses	Result	DL	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		TO-15		Analyst: RJP		
1,1,1-Trichloroethane	< 0.82	0.82		ug/m3	1	2/3/2022 7:29:00 PM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		ug/m3	1	2/3/2022 7:29:00 PM
1,1,2-Trichloroethane	< 0.82	0.82		ug/m3	1	2/3/2022 7:29:00 PM
1,1-Dichloroethane	< 0.61	0.61		ug/m3	1	2/3/2022 7:29:00 PM
1,1-Dichloroethene	< 0.16	0.16		ug/m3	1	2/3/2022 7:29:00 PM
1,2,4-Trichlorobenzene	< 1.1	1.1		ug/m3	1	2/3/2022 7:29:00 PM
1,2,4-Trimethylbenzene	0.64	0.74	J	ug/m3	1	2/3/2022 7:29:00 PM
1,2-Dibromoethane	< 1.2	1.2		ug/m3	1	2/3/2022 7:29:00 PM
1,2-Dichlorobenzene	< 0.90	0.90		ug/m3	1	2/3/2022 7:29:00 PM
1,2-Dichloroethane	< 0.61	0.61		ug/m3	1	2/3/2022 7:29:00 PM
1,2-Dichloropropane	< 0.69	0.69		ug/m3	1	2/3/2022 7:29:00 PM
1,3,5-Trimethylbenzene	< 0.74	0.74		ug/m3	1	2/3/2022 7:29:00 PM
1,3-butadiene	< 0.33	0.33		ug/m3	1	2/3/2022 7:29:00 PM
1,3-Dichlorobenzene	< 0.90	0.90		ug/m3	1	2/3/2022 7:29:00 PM
1,4-Dichlorobenzene	< 0.90	0.90		ug/m3	1	2/3/2022 7:29:00 PM
1,4-Dioxane	< 1.1	1.1		ug/m3	1	2/3/2022 7:29:00 PM
2,2,4-trimethylpentane	0.47	0.70	J	ug/m3	1	2/3/2022 7:29:00 PM
4-ethyltoluene	< 0.74	0.74		ug/m3	1	2/3/2022 7:29:00 PM
Acetone	38	7.1		ug/m3	10	2/4/2022 6:58:00 AM
Allyl chloride	< 0.47	0.47		ug/m3	1	2/3/2022 7:29:00 PM
Benzene	2.5	0.48		ug/m3	1	2/3/2022 7:29:00 PM
Benzyl chloride	< 0.86	0.86		ug/m3	1	2/3/2022 7:29:00 PM
Bromodichloromethane	< 1.0	1.0		ug/m3	1	2/3/2022 7:29:00 PM
Bromoform	< 1.6	1.6		ug/m3	1	2/3/2022 7:29:00 PM
Bromomethane	< 0.58	0.58		ug/m3	1	2/3/2022 7:29:00 PM
Carbon disulfide	< 0.47	0.47		ug/m3	1	2/3/2022 7:29:00 PM
Carbon tetrachloride	0.44	0.19		ug/m3	1	2/3/2022 7:29:00 PM
Chlorobenzene	< 0.69	0.69		ug/m3	1	2/3/2022 7:29:00 PM
Chloroethane	< 0.40	0.40		ug/m3	1	2/3/2022 7:29:00 PM
Chloroform	0.59	0.73	J	ug/m3	1	2/3/2022 7:29:00 PM
Chloromethane	< 0.31	0.31		ug/m3	1	2/3/2022 7:29:00 PM
cis-1,2-Dichloroethene	< 0.16	0.16		ug/m3	1	2/3/2022 7:29:00 PM
cis-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	2/3/2022 7:29:00 PM
Cyclohexane	< 0.52	0.52		ug/m3	1	2/3/2022 7:29:00 PM
Dibromochloromethane	< 1.3	1.3		ug/m3	1	2/3/2022 7:29:00 PM
Ethyl acetate	1.8	0.54		ug/m3	1	2/3/2022 7:29:00 PM
Ethylbenzene	0.69	0.65		ug/m3	1	2/3/2022 7:29:00 PM
Freon 11	1.1	0.84		ug/m3	1	2/3/2022 7:29:00 PM
Freon 113	< 1.1	1.1		ug/m3	1	2/3/2022 7:29:00 PM
Freon 114	< 1.0	1.0		ug/m3	1	2/3/2022 7:29:00 PM

Qualifiers: SC Sub-Contracted
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 IN Non-routine analyte, Quantitation estimated.
 S Spike Recovery outside accepted recovery limits

Results reported are not blank corrected
 E Estimated Value above quantitation range
 J Analyte detected below quantitation limit
 ND Not Detected at the Limit of Detection
 DL Detection Limit

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Centek Laboratories, LLC

Date: 04-Feb-22

CLIENT: Matrix Environmental Technologies, Inc

Client Sample ID: A2

Lab Order: C2202013

Tag Number: 1176,440

Project: Aquino 65-67 Lake Ave

Collection Date: 2/1/2022

Lab ID: C2202013-004A

Matrix: AIR

Analyses	Result	DL	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		TO-15		Analyst: RJP		
Freon 12	2.2	0.74		ug/m3	1	2/3/2022 7:29:00 PM
Heptane	2.0	0.61		ug/m3	1	2/3/2022 7:29:00 PM
Hexachloro-1,3-butadiene	< 1.6	1.6		ug/m3	1	2/3/2022 7:29:00 PM
Hexane	1.4	0.53		ug/m3	1	2/3/2022 7:29:00 PM
Isopropyl alcohol	19	3.7		ug/m3	10	2/4/2022 6:58:00 AM
m&p-Xylene	1.9	1.3		ug/m3	1	2/3/2022 7:29:00 PM
Methyl Butyl Ketone	< 1.2	1.2		ug/m3	1	2/3/2022 7:29:00 PM
Methyl Ethyl Ketone	2.2	0.88		ug/m3	1	2/3/2022 7:29:00 PM
Methyl Isobutyl Ketone	< 1.2	1.2		ug/m3	1	2/3/2022 7:29:00 PM
Methyl tert-butyl ether	< 0.54	0.54		ug/m3	1	2/3/2022 7:29:00 PM
Methylene chloride	1.2	0.52		ug/m3	1	2/3/2022 7:29:00 PM
o-Xylene	0.65	0.65		ug/m3	1	2/3/2022 7:29:00 PM
Propylene	< 0.26	0.26		ug/m3	1	2/3/2022 7:29:00 PM
Styrene	0.60	0.64	J	ug/m3	1	2/3/2022 7:29:00 PM
Tetrachloroethylene	< 1.0	1.0		ug/m3	1	2/3/2022 7:29:00 PM
Tetrahydrofuran	< 0.44	0.44		ug/m3	1	2/3/2022 7:29:00 PM
Toluene	6.1	0.57		ug/m3	1	2/3/2022 7:29:00 PM
trans-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	2/3/2022 7:29:00 PM
trans-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	2/3/2022 7:29:00 PM
Trichloroethene	< 0.16	0.16		ug/m3	1	2/3/2022 7:29:00 PM
Vinyl acetate	< 0.53	0.53		ug/m3	1	2/3/2022 7:29:00 PM
Vinyl Bromide	< 0.66	0.66		ug/m3	1	2/3/2022 7:29:00 PM
Vinyl chloride	< 0.10	0.10		ug/m3	1	2/3/2022 7:29:00 PM

Qualifiers: SC Sub-Contracted
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 JN Non-routine analyte. Quantitation estimated.
 S Spike Recovery outside accepted recovery limits

/ Results reported are not blank corrected
 E Estimated Value above quantitation range
 J Analyte detected below quantitation limit
 ND Not Detected at the Limit of Detection
 DL Detection Limit

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Data File : C:\HPCHEM\1\DATA\AT020316.D

Vial: 12

Acq On : 3 Feb 2022 7:29 pm

Operator: RJP

Sample : C2202013-004A

Inst : MSD #1

Misc : A201_1UG

Multiplr: 1.00

MS Integration Params: RTEINT.P

Quant Time: Feb 04 08:24:34 2022

Quant Results File: A201_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A201_1UG.M (RTE Integrator)

Title : TO-15 VOA Standards for 5 point calibration

Last Update : Wed Feb 02 07:40:12 2022

Response via : Initial Calibration

DataAcq Meth : 1UG_ENT

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	9.72	128	38494	1.00	ppb	-0.03
35) 1,4-difluorobenzene	12.02	114	160577	1.00	ppb	-0.02
50) Chlorobenzene-d5	16.85	117	143772	1.00	ppb	-0.02

System Monitoring Compounds

65) Bromofluorobenzene	18.64	95	103099	0.97	ppb	-0.01
Spiked Amount	1.000	Range	70 - 130	Recovery	=	97.00%

Target Compounds

						Qvalue
3) Freon 12	4.15	85	117478	0.44	ppb	99
14) Freon 11	5.76	101	54087	0.19	ppb	97
15) Acetone	5.92	58	405215	14.83	ppb	# 6
17) Isopropyl alcohol	6.03	45	643648	7.67	ppb	# 1
21) Methylene chloride	6.97	84	18374	0.35	ppb	98
28) Methyl Ethyl Ketone	8.82	72	17732	0.74	ppb	# 100
30) Hexane	8.88	57	26969m	0.41	ppb	
31) Ethyl acetate	9.42	43	56232	0.49	ppb	93
32) Chloroform	9.89	83	20126	0.12	ppb	79
38) Carbon tetrachloride	11.36	117	16046	0.07	ppb	95
39) Benzene	11.33	78	116864	0.79	ppb	94
42) 2,2,4-trimethylpentane	12.20	57	20059	0.10	ppb	82
43) Heptane	12.55	43	31971	0.49	ppb	94
51) Toluene	14.80	92	181281	1.62	ppb	95
58) Ethylbenzene	17.17	91	40739	0.16	ppb	99
59) m&p-xylene	17.35	91	95870	0.44	ppb	97
61) Styrene	17.87	104	22228	0.14	ppb	88
63) o-xylene	17.90	91	35546	0.15	ppb	95
71) 1,2,4-trimethylbenzene	19.90	105	31821	0.13	ppb	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

AT020316.D A201_1UG.M

Fri Feb 04 14:28:56 2022

MSD1

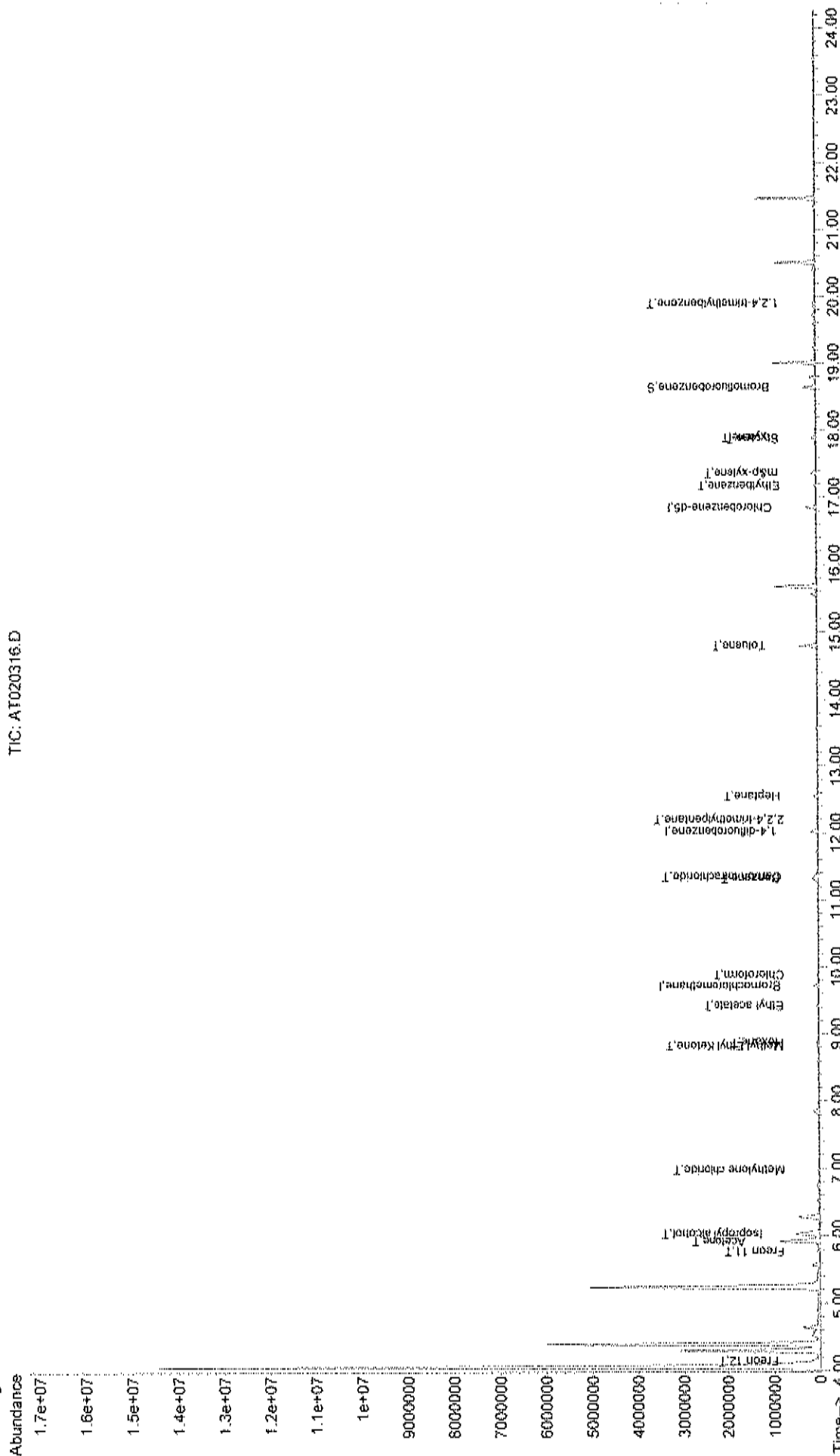
Page 1

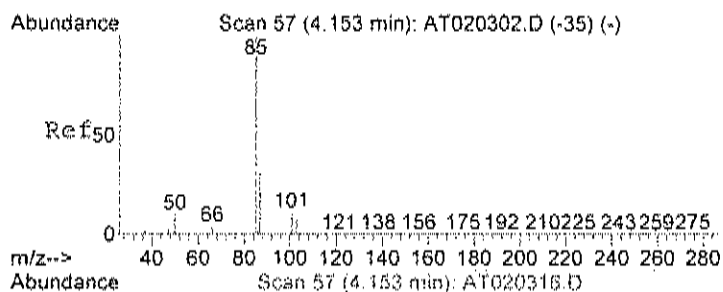
Vial: 12
Operator: RJP
Inst : MSD #1
Multiplr: 1.00

Quant Results File: A201 1UG.RES

```
Method      : C:\HPCHEM\1\METHODS\A201_1UG.M (RTE Integrator)
Title       : TO-15 VOCs Standards for 5 point calibration
Last Update : Fri Feb 04 14:02:12 2022
Response via : Initial Calibration
```

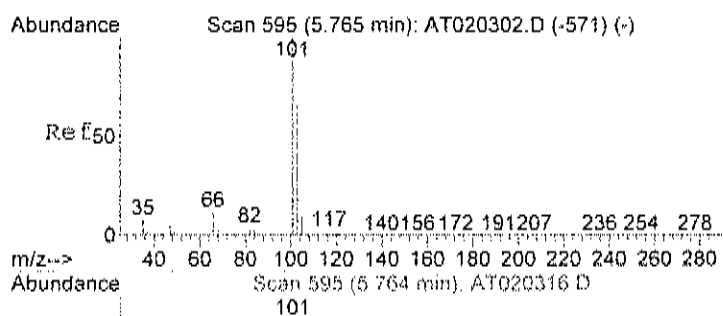
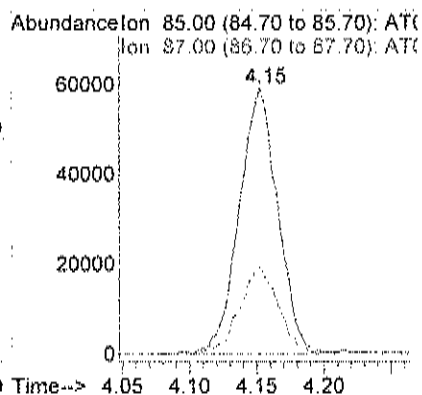
TIC: A1020316.D





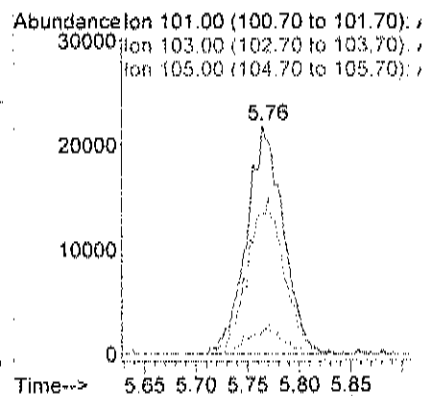
#3
Freon 12
Concen: 0.44 ppb
RT: 4.15 min Scan# 57
Delta R.T. -0.01 min
Lab File: AT020316.D
Acq: 3 Feb 2022 7:29 pm

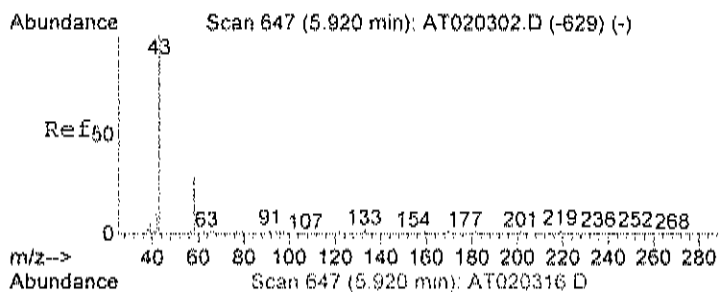
Tgt Ion:	85	Resp:	117478
Ion Ratio	Lower	Upper	
85	100		
87	33.2	12.9	52.9



#14
Freon 11
Concen: 0.19 ppb
RT: 5.76 min Scan# 595
Delta R.T. -0.02 min
Lab File: AT020316.D
Acq: 3 Feb 2022 7:29 pm

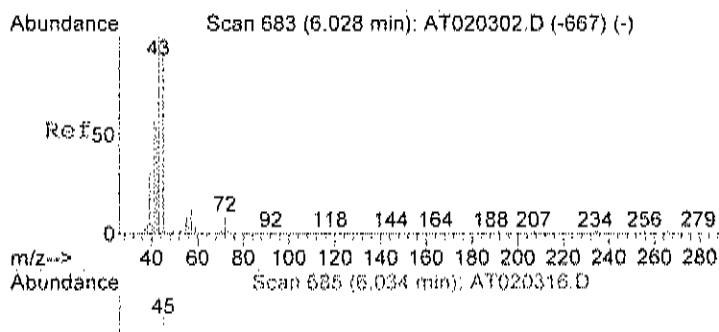
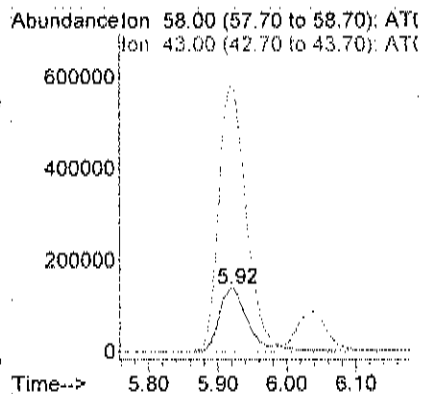
Tgt Ion:	101	Resp:	54087
Ion Ratio	Lower	Upper	
101	100		
103	68.6	45.9	85.9
105	11.3	0.0	30.8





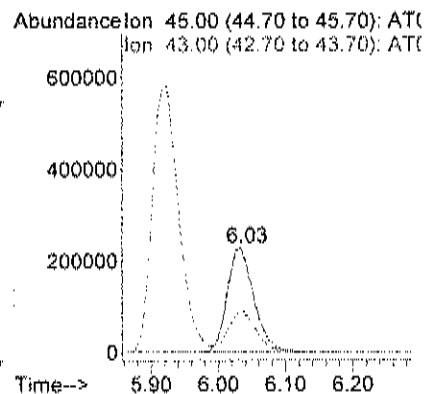
#15
Acetone
Concen: 14.83 ppb
RT: 5.92 min Scan# 647
Delta R.T. -0.03 min
Lab File: AT020316.D
Acq: 3 Feb 2022 7:29 pm

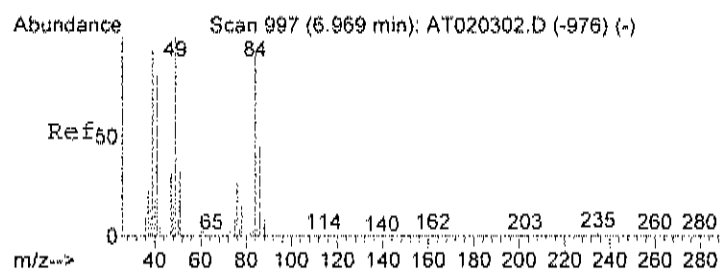
Tgt Ion: 58 Resp: 405215
Ion Ratio Lower Upper
58 100
43 456.7 249.9 309.9#



#17
Isopropyl alcohol
Concen: 7.67 ppb
RT: 6.03 min Scan# 685
Delta R.T. -0.03 min
Lab File: AT020316.D
Acq: 3 Feb 2022 7:29 pm

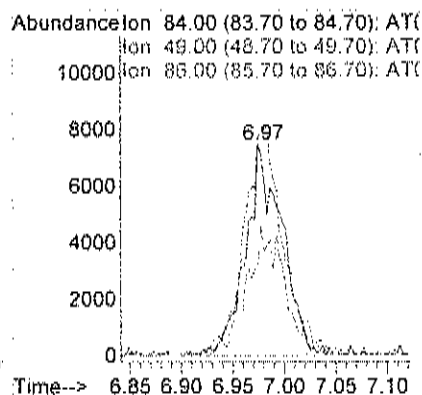
Tgt Ion: 45 Resp: 643648
Ion Ratio Lower Upper
45 100
43 0.0 109.1 149.1#





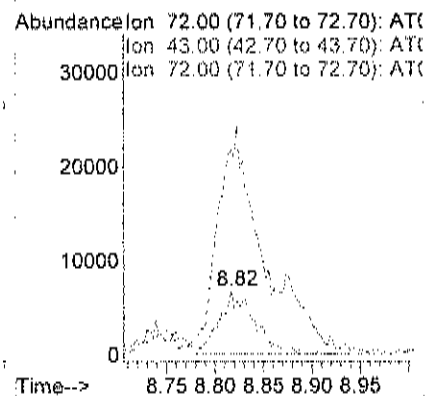
#21
Methylene chloride
Concen: 0.35 ppb
RT: 6.97 min Scan# 999
Delta R.T. -0.02 min
Lab File: AT020316.D
Acq: 3 Feb 2022 7:29 pm

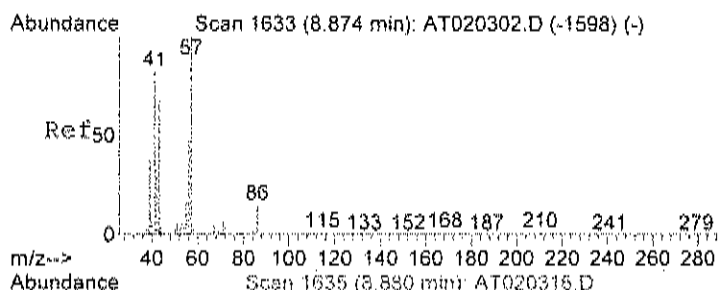
Tgt Ion	84	Resp	18374
Ion Ratio	Lower	Upper	
84	100		
49	115.6	96.8	136.8
86	62.0	45.5	85.5



#28
Methyl Ethyl Ketone
Concen: 0.74 ppb
RT: 8.82 min Scan# 1614
Delta R.T. -0.03 min
Lab File: AT020316.D
Acq: 3 Feb 2022 7:29 pm

Tgt Ion	72	Resp	17732
Ion Ratio	Lower	Upper	
72	100		
43	437.9	0.0	20.0#
72	100.0	80.0	120.0





#30
Hexane
Concen: 0.41 ppb m
RT: 8.88 min Scan# 1635
Delta R.T. -0.03 min
Lab File: AT020316.D
Acq: 3 Feb 2022 7:29 pm

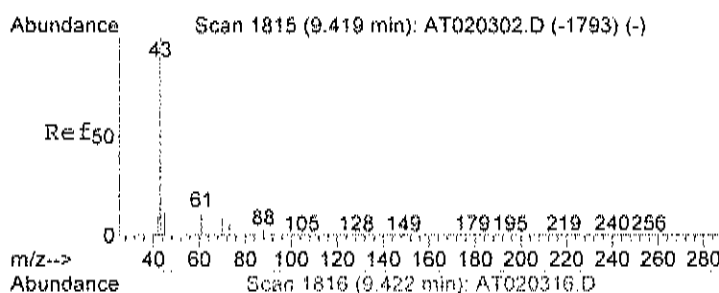
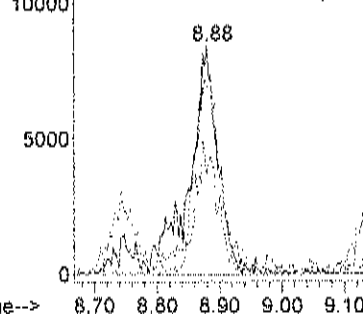
Tgt Ion	Ratio	Lower	Upper
57	100		
41	83.0	61.2	101.2
56	44.5	34.3	74.3

Abundance

Ion 57.00 (56.70 to 57.70): AT020316.D

Ion 41.00 (40.70 to 41.70): AT020316.D

Ion 56.00 (55.70 to 56.70): AT020316.D



#31
Ethyl acetate
Concen: 0.49 ppb
RT: 9.42 min Scan# 1816
Delta R.T. -0.02 min
Lab File: AT020316.D
Acq: 3 Feb 2022 7:29 pm

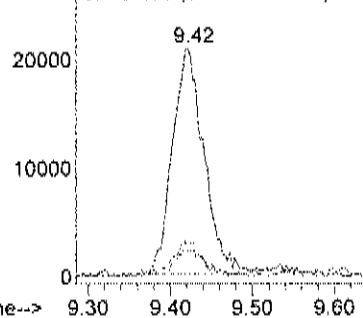
Tgt Ion	Ratio	Lower	Upper
43	100		
45	13.6	0.0	35.4
61	11.4	0.0	35.8

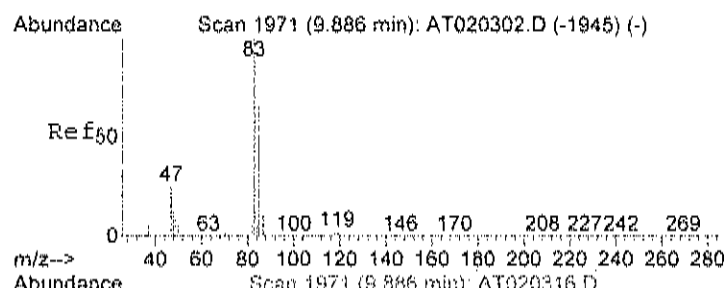
Abundance

Ion 43.00 (42.70 to 43.70): AT020316.D

Ion 45.00 (44.70 to 45.70): AT020316.D

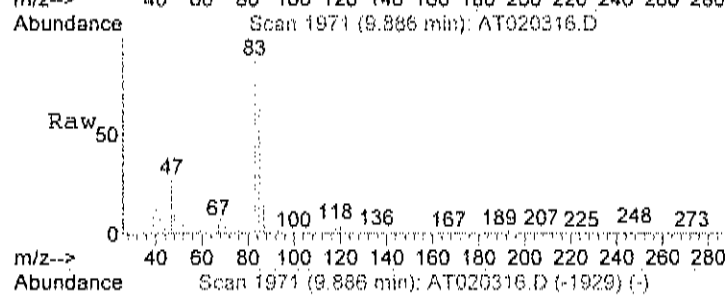
Ion 61.00 (60.70 to 61.70): AT020316.D



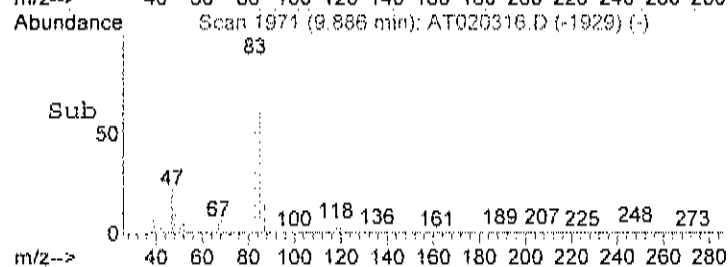
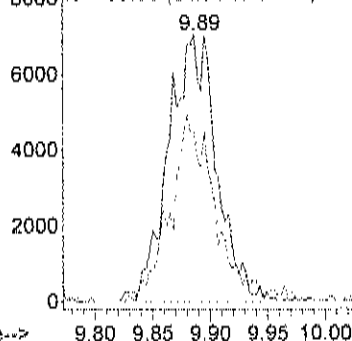


#32
Chloroform
Concen: 0.12 ppb
RT: 9.89 min Scan# 1971
Delta R.T. -0.02 min
Lab File: AT020316.D
Acq: 3 Feb 2022 7:29 pm

Tgt Ion: 83 Resp: 20126
Ion Ratio Lower Upper
83 100
85 49.0 45.3 85.3

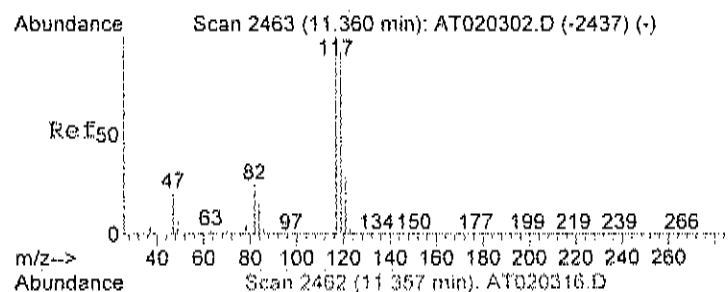


Abundance Ion 83.00 (82.70 to 83.70): AT020316.D
Ion 85.00 (84.70 to 85.70): AT020316.D

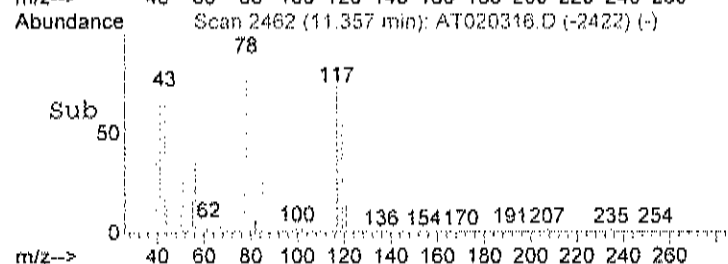
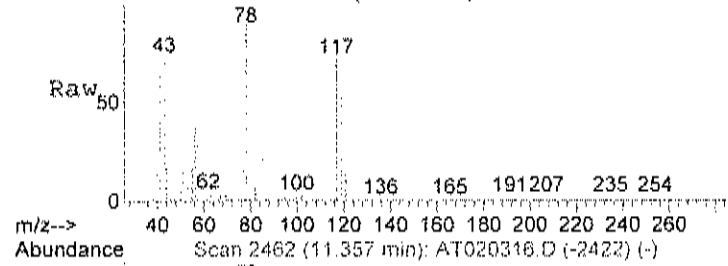
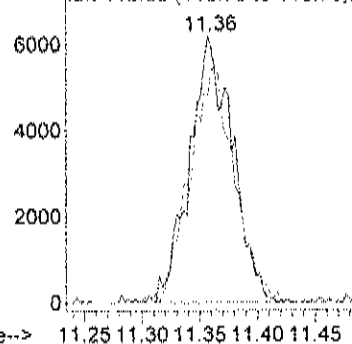


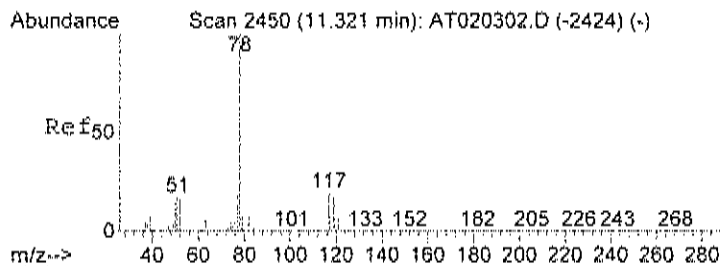
#38
Carbon tetrachloride
Concen: 0.07 ppb
RT: 11.36 min Scan# 2462
Delta R.T. -0.03 min
Lab File: AT020316.D
Acq: 3 Feb 2022 7:29 pm

Tgt Ion: 117 Resp: 16046
Ion Ratio Lower Upper
117 100
119 91.8 76.8 116.8



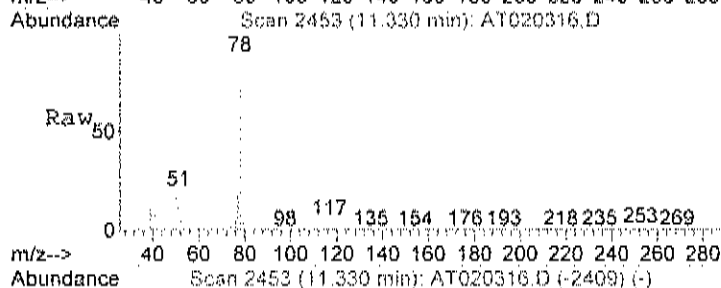
Abundance Ion 117.00 (116.70 to 117.70): AT020316.D
Ion 119.00 (118.70 to 119.70): AT020316.D





#39
Benzene
Concen: 0.79 ppb
RT: 11.33 min Scan# 2453
Delta R.T. -0.02 min
Lab File: AT020316.D
Acq: 3 Feb 2022 7:29 pm

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.9	3.3	43.3
51	21.5	0.0	35.1

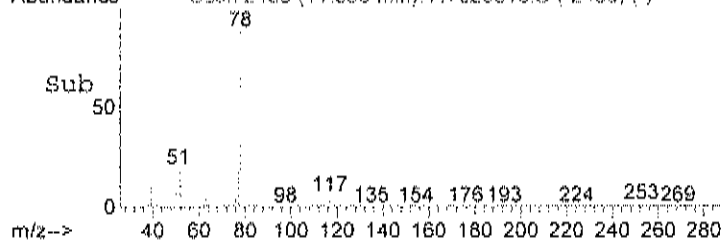
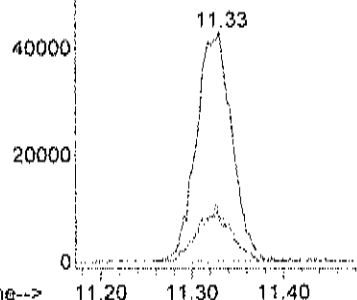


Abundance

Ion 78.00 (77.70 to 78.70): AT020316.D

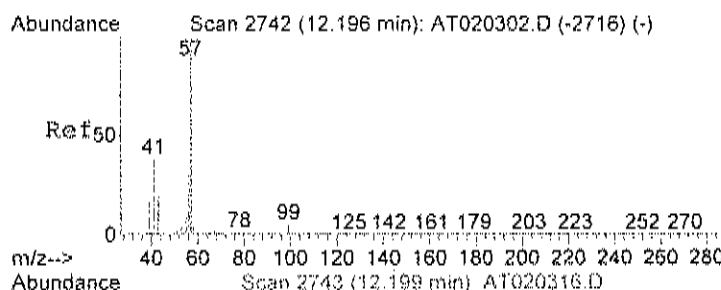
Ion 77.00 (76.70 to 77.70): AT020316.D

Ion 51.00 (50.70 to 51.70): AT020316.D



#42
2,2,4-trimethylpentane
Concen: 0.10 ppb
RT: 12.20 min Scan# 2743
Delta R.T. -0.02 min
Lab File: AT020316.D
Acq: 3 Feb 2022 7:29 pm

Tgt Ion	Ratio	Lower	Upper
57	100		
41	49.9	12.0	52.0
56	35.9	13.4	53.4

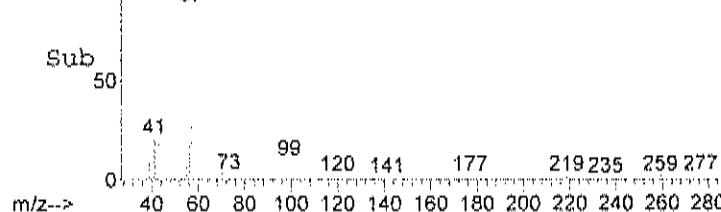
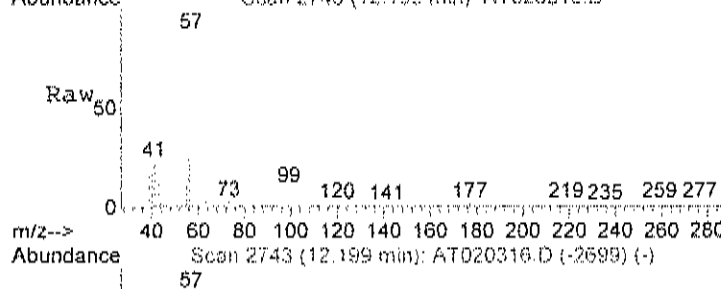
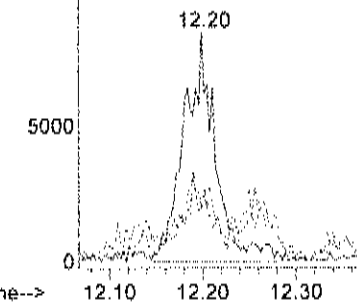


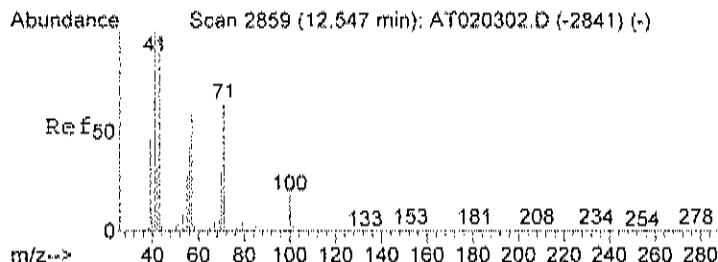
Abundance

Ion 57.00 (56.70 to 57.70): AT020316.D

Ion 41.00 (40.70 to 41.70): AT020316.D

Ion 56.00 (55.70 to 56.70): AT020316.D





#43

Heptane

Concen: 0.49 ppb

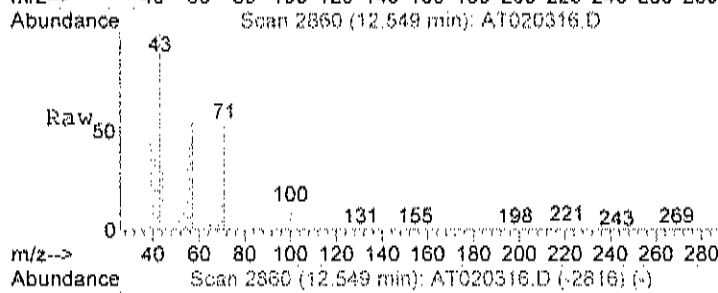
RT: 12.55 min Scan# 2860

Delta R.T. -0.02 min

Lab File: AT020316.D

Acq: 3 Feb 2022 7:29 pm

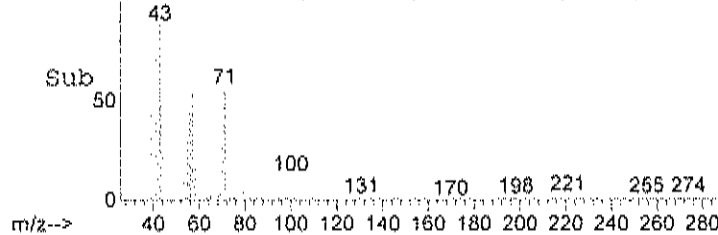
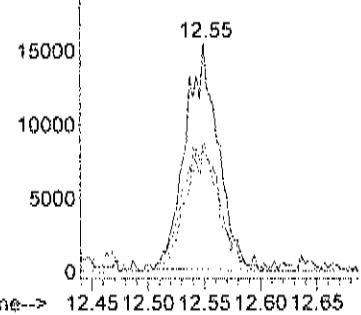
Tgt Ion:	43	Resp:	31971
Ion	Ratio	Lower	Upper
43	100		
57	61.4	37.9	77.9
71	57.9	43.1	83.1



Abundance Ion 43.00 (42.70 to 43.70): AT(

Ion 57.00 (56.70 to 57.70): AT(

Ion 71.00 (70.70 to 71.70): AT(



#51

Toluene

Concen: 1.62 ppb

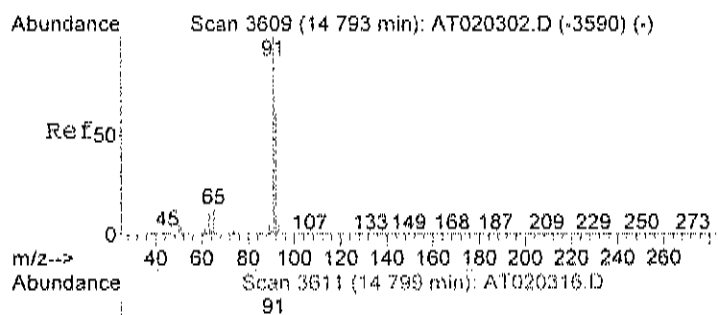
RT: 14.80 min Scan# 3611

Delta R.T. -0.02 min

Lab File: AT020316.D

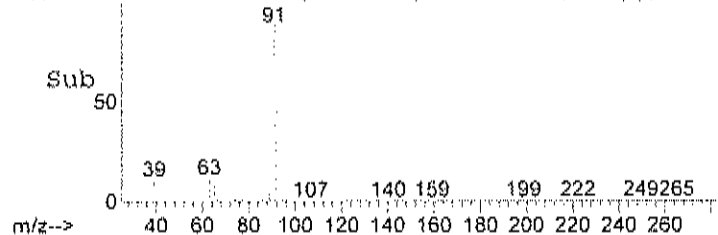
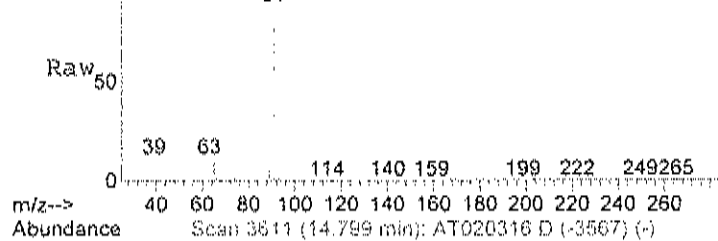
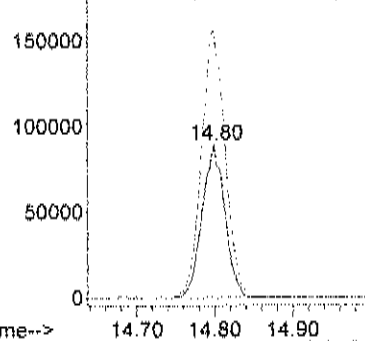
Acq: 3 Feb 2022 7:29 pm

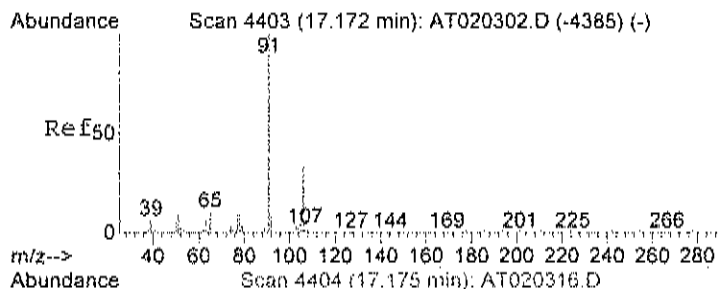
Tgt Ion:	92	Resp:	181281
Ion	Ratio	Lower	Upper
92	100		
91	181.8	155.2	195.2



Abundance Ion 92.00 (91.70 to 92.70): AT(

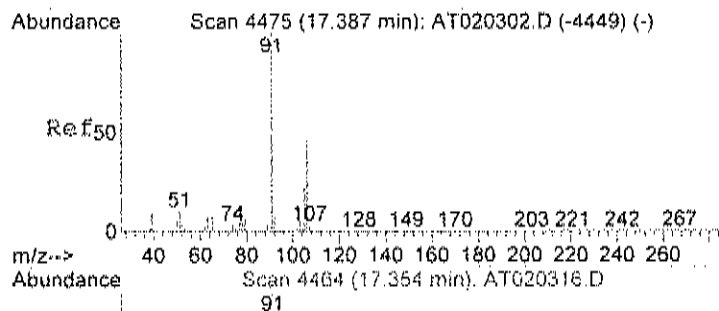
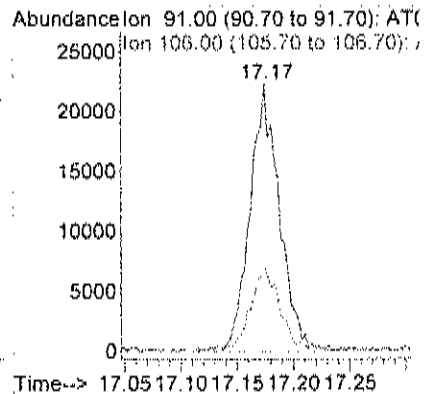
Ion 91.00 (90.70 to 91.70): AT(





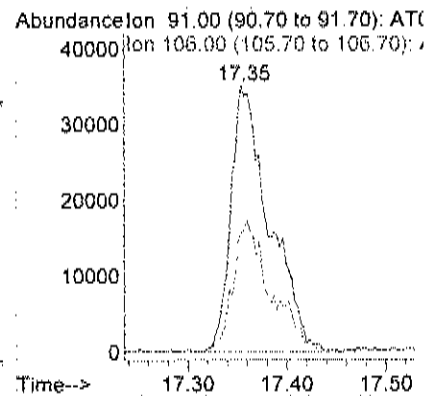
#58
Ethylbenzene
Concen: 0.16 ppb
RT: 17.17 min Scan# 4404
Delta R.T. -0.02 min
Lab File: AT020316.D
Acq: 3 Feb 2022 7:29 pm

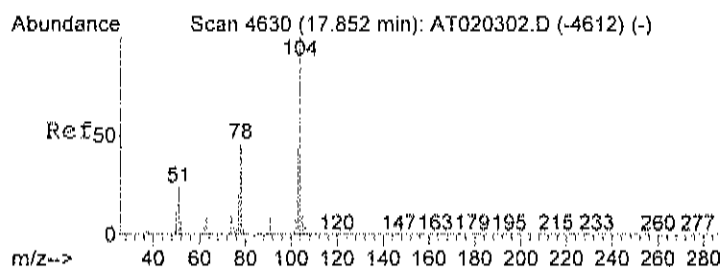
Tgt Ion: 91 Resp: 40739
Ion Ratio Lower Upper
91 100
106 31.2 11.7 51.7



#59
m&p-xylene
Concen: 0.44 ppb
RT: 17.35 min Scan# 4464
Delta R.T. -0.05 min
Lab File: AT020316.D
Acq: 3 Feb 2022 7:29 pm

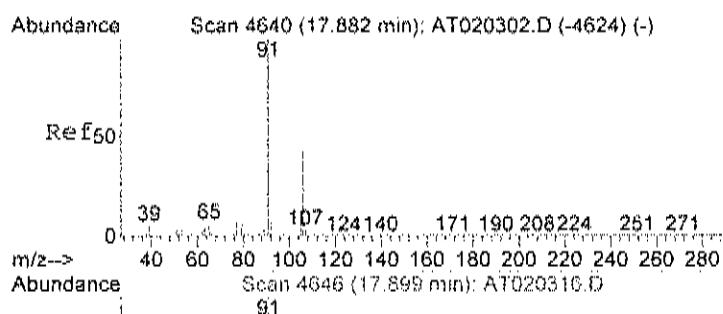
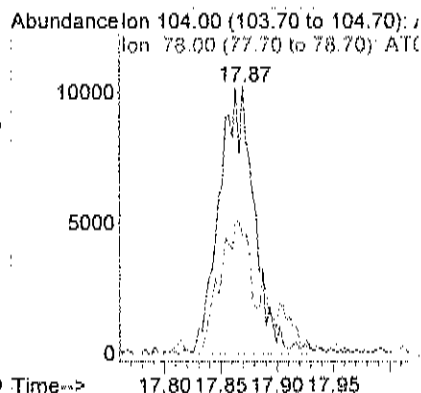
Tgt Ion: 91 Resp: 95870
Ion Ratio Lower Upper
91 100
106 47.8 29.7 69.7





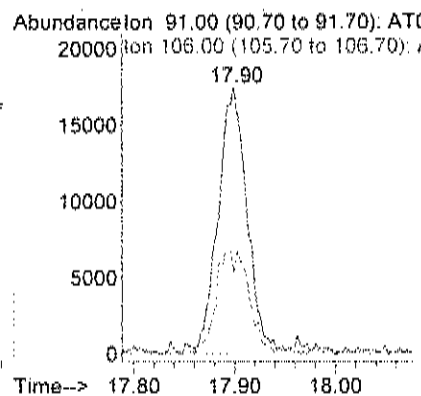
#61
Styrene
Concen: 0.14 ppb
RT: 17.87 min Scan# 4636
Delta R.T. -0.01 min
Lab File: AT020316.D
Acq: 3 Feb 2022 7:29 pm

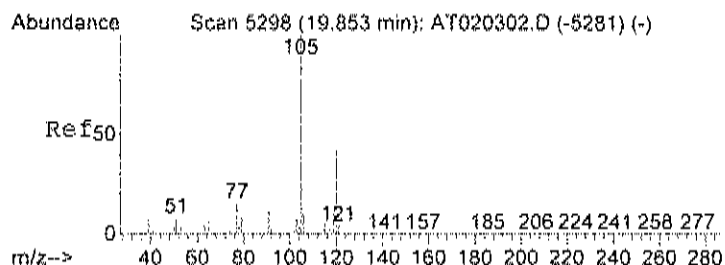
Tgt Ion: 104 Resp: 22228
Ion Ratio Lower Upper
104 100
78 60.6 31.9 71.9



#63
o-xylene
Concen: 0.15 ppb
RT: 17.90 min Scan# 4646
Delta R.T. -0.02 min
Lab File: AT020316.D
Acq: 3 Feb 2022 7:29 pm

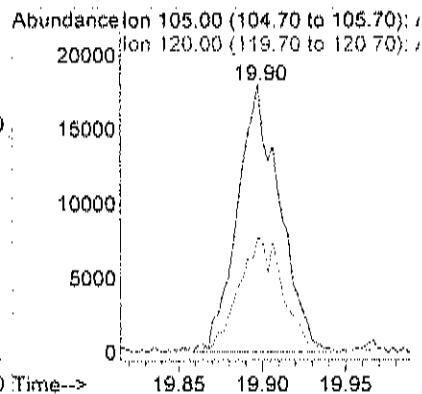
Tgt Ion: 91 Resp: 35546
Ion Ratio Lower Upper
91 100
106 43.9 27.3 67.3





#71
1,2,4-trimethylbenzene
Concen: 0.13 ppb
RT: 19.90 min Scan# 5313
Delta R.T. -0.02 min
Lab File: AT020316.D
Acq: 3 Feb 2022 7:29 pm

Tgt Ion:	105	Resp:	31821
Ion Ratio	Lower	Upper	
105	100		
120	45.5	25.8	65.8



Data File : C:\HPCHEM\1\DATA\AT020332.D

Vial: 56

Acq On : 4 Feb 2022 6:58 am

Operator: RJP

Sample : C2202013-004A 10X

Inst : MSD #1

Misc : A201_1UG

Multiplr: 1.00

MS Integration Params: RTEINT.P

Quant Time: Feb 04 08:24:50 2022

Quant Results File: A201_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A201_1UG.M (RTE Integrator)

Title : TO-15 VOA Standards for 5 point calibration

Last Update : Wed Feb 02 07:40:12 2022

Response via : Initial Calibration

DataAcq Meth : 1UG_ENT

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	9.72	128	28915	1.00	ppb	-0.02
35) 1,4-difluorobenzene	12.03	114	122898	1.00	ppb	-0.02
50) Chlorobenzene-d5	16.85	117	105107	1.00	ppb	0.00

System Monitoring Compounds

65) Bromofluorobenzene	18.65	95	66497	0.86	ppb	-0.01
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Spiked Amount	1.000	Range	70 ~ 130	Recovery	=	86.00%
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Target Compounds

						Qvalue
15) Acetone	5.93	58	32725	1.59	ppb	# 37
17) Isopropyl alcohol	6.04	45	49163	0.78	ppb	# 28

Quantitation Report (QT Reviewed)

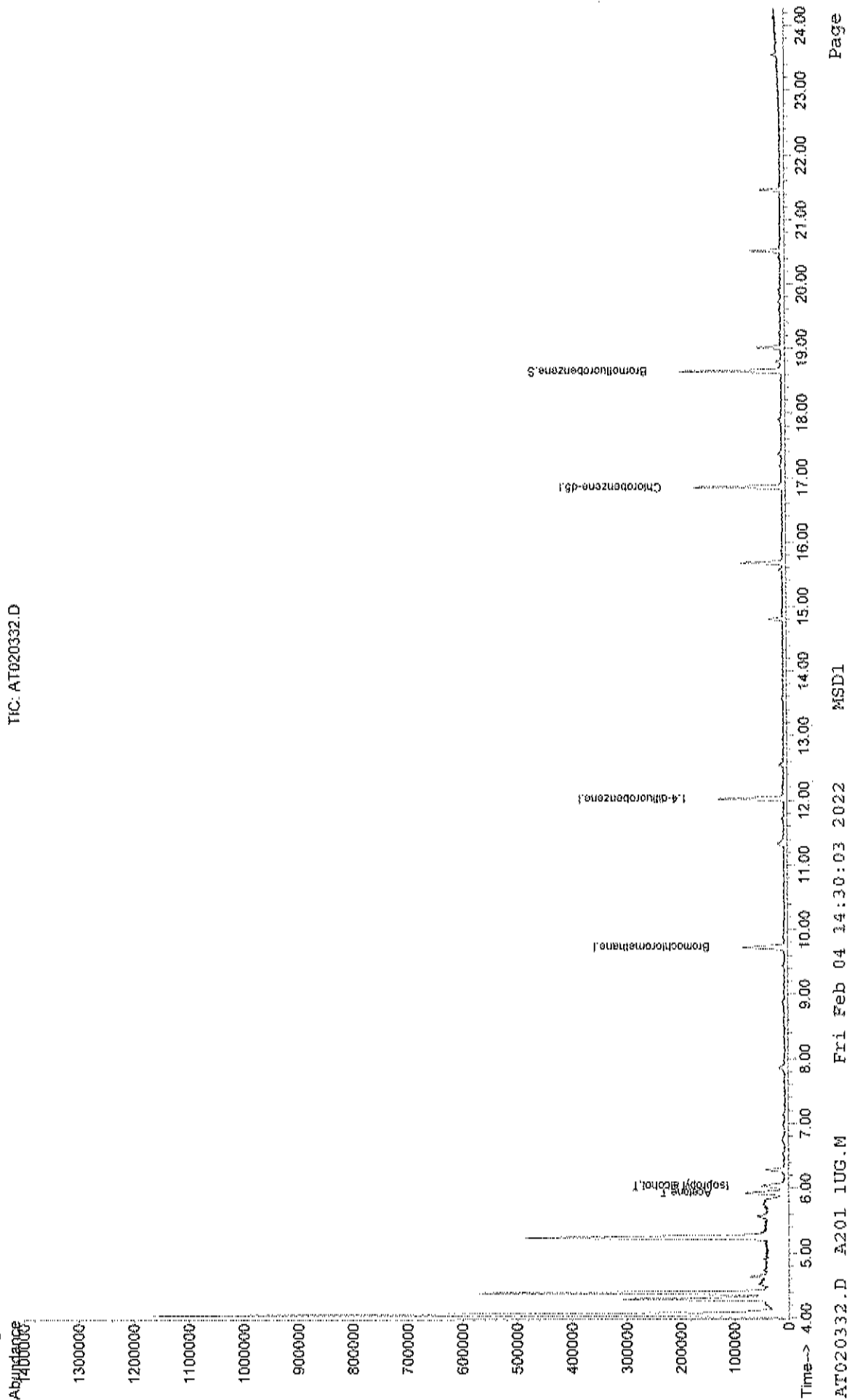
Data File : C:\HPCHEM\1\DATA\AT020332.D
Acq On : 4 Feb 2022 6:58 am
Sample : C2202013-004A 10X
Misc : A201_1UG
MS Integration Params: RTEINT.P
Quant Time: Feb 4 8:51 2022

Vial: 56
Operator: RJP
Inst : MSD #1
Multiplr: 1.00

Quant Results File: A201_1UG.RES

Method : C:\HPCHEM\1\METHODS\A201_1UG.M (RTE Integration)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Fri Feb 04 14:02:12 2022
Response via : Initial Calibration

TIC: AT020332.D

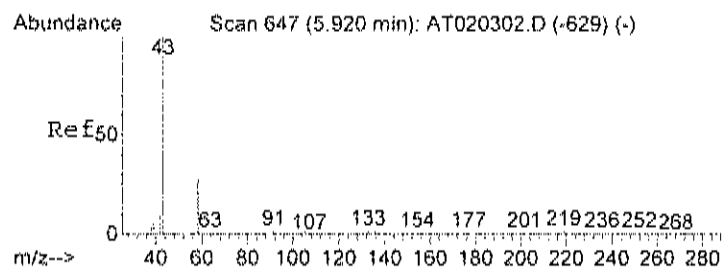


MSD1

Fri Feb 04 14:30:03 2022

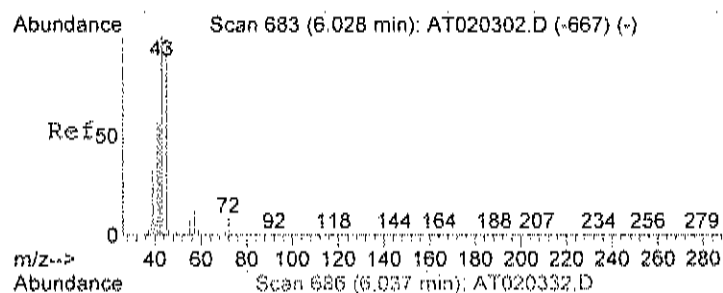
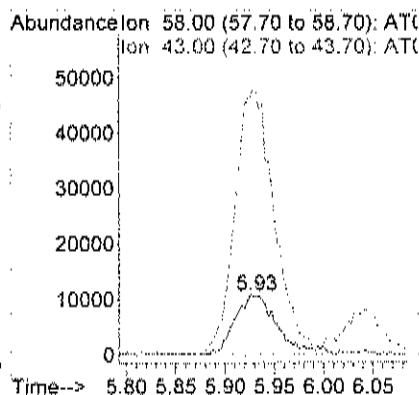
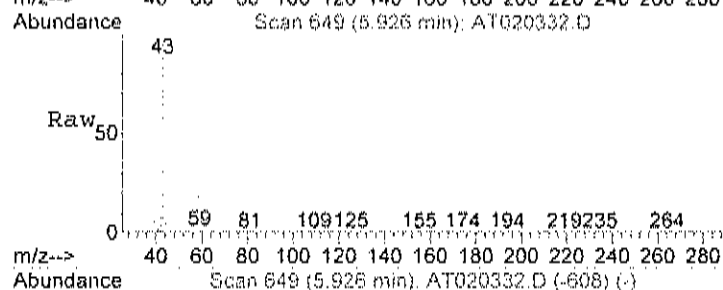
AT020332.D A201_1UG.M

Page 2



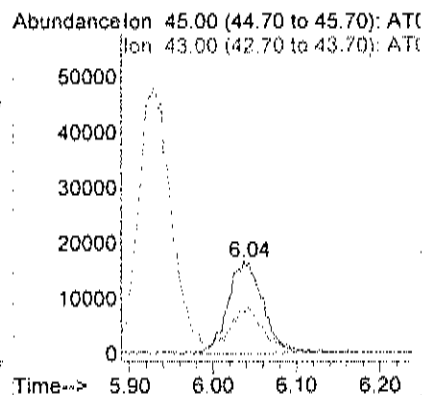
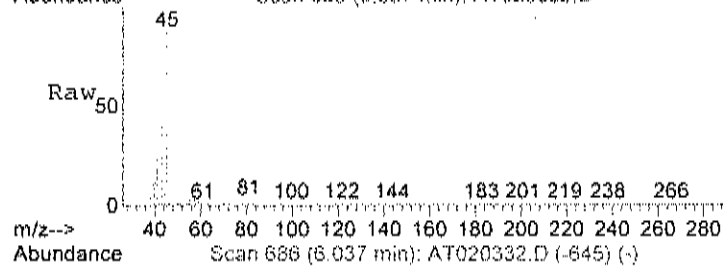
#15
Acetone
Concen: 1.59 ppb
RT: 5.93 min Scan# 649
Delta R.T. -0.03 min
Lab File: AT020332.D
Acq: 4 Feb 2022 6:58 am

Tgt Ion: 58 Resp: 32725
Ion Ratio Lower Upper
58 100
43 397.6 249.9 309.9#



#17
Isopropyl alcohol
Concen: 0.78 ppb
RT: 6.04 min Scan# 686
Delta R.T. -0.03 min
Lab File: AT020332.D
Acq: 4 Feb 2022 6:58 am

Tgt Ion: 45 Resp: 49163
Ion Ratio Lower Upper
45 100
43 45.6 109.1 149.1#



Centek Laboratories, LLC

Date: 04-Feb-22

CLIENT: Matrix Environmental Technologies, Inc
 Lab Order: C2202013
 Project: Aquino 65-67 Lake Ave
 Lab ID: C2202013-005A

Client Sample ID: A3
 Tag Number: 195,434
 Collection Date: 1/31/2022
 Matrix: AIR

Analyses	Result	DL	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		FLD		Analyst:		
Lab Vacuum In	-1			"Hg		2/3/2022
Lab Vacuum Out	-30			"Hg		2/3/2022
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		TO-15		Analyst: RJP		
1,1,1-Trichloroethane	< 0.15	0.15		ppbV	1	2/3/2022 8:13:00 PM
1,1,2,2-Tetrachloroethane	< 0.15	0.15		ppbV	1	2/3/2022 8:13:00 PM
1,1,2-Trichloroethane	< 0.15	0.15		ppbV	1	2/3/2022 8:13:00 PM
1,1-Dichloroethane	< 0.15	0.15		ppbV	1	2/3/2022 8:13:00 PM
1,1-Dichloroethene	< 0.040	0.040		ppbV	1	2/3/2022 8:13:00 PM
1,2,4-Trichlorobenzene	< 0.15	0.15		ppbV	1	2/3/2022 8:13:00 PM
1,2,4-Trimethylbenzene	< 0.15	0.15		ppbV	1	2/3/2022 8:13:00 PM
1,2-Dibromoethane	< 0.15	0.15		ppbV	1	2/3/2022 8:13:00 PM
1,2-Dichlorobenzene	< 0.15	0.15		ppbV	1	2/3/2022 8:13:00 PM
1,2-Dichloroethane	< 0.15	0.15		ppbV	1	2/3/2022 8:13:00 PM
1,2-Dichloropropane	< 0.15	0.15		ppbV	1	2/3/2022 8:13:00 PM
1,3,5-Trimethylbenzene	< 0.15	0.15		ppbV	1	2/3/2022 8:13:00 PM
1,3-butadiene	< 0.15	0.15		ppbV	1	2/3/2022 8:13:00 PM
1,3-Dichlorobenzene	< 0.15	0.15		ppbV	1	2/3/2022 8:13:00 PM
1,4-Dichlorobenzene	< 0.15	0.15		ppbV	1	2/3/2022 8:13:00 PM
1,4-Dioxane	< 0.30	0.30		ppbV	1	2/3/2022 8:13:00 PM
2,2,4-trimethylpentane	0.12	0.15	J	ppbV	1	2/3/2022 8:13:00 PM
4-ethyltoluene	< 0.15	0.15		ppbV	1	2/3/2022 8:13:00 PM
Acetone	45	12		ppbV	40	2/4/2022 8:23:00 AM
Allyl chloride	< 0.15	0.15		ppbV	1	2/3/2022 8:13:00 PM
Benzene	0.38	0.15		ppbV	1	2/3/2022 8:13:00 PM
Benzyl chloride	< 0.15	0.15		ppbV	1	2/3/2022 8:13:00 PM
Bromodichloromethane	< 0.15	0.15		ppbV	1	2/3/2022 8:13:00 PM
Bromoform	< 0.15	0.15		ppbV	1	2/3/2022 8:13:00 PM
Bromomethane	< 0.15	0.15		ppbV	1	2/3/2022 8:13:00 PM
Carbon disulfide	0.10	0.15	J	ppbV	1	2/3/2022 8:13:00 PM
Carbon tetrachloride	0.090	0.030		ppbV	1	2/3/2022 8:13:00 PM
Chlorobenzene	< 0.15	0.15		ppbV	1	2/3/2022 8:13:00 PM
Chloroethane	< 0.15	0.15		ppbV	1	2/3/2022 8:13:00 PM
Chloroform	1.1	0.15		ppbV	1	2/3/2022 8:13:00 PM
Chloromethane	< 0.15	0.15		ppbV	1	2/3/2022 8:13:00 PM
cis-1,2-Dichloroethene	< 0.040	0.040		ppbV	1	2/3/2022 8:13:00 PM
cis-1,3-Dichloropropene	< 0.15	0.15		ppbV	1	2/3/2022 8:13:00 PM
Cyclohexane	< 0.15	0.15		ppbV	1	2/3/2022 8:13:00 PM
Dibromochloromethane	< 0.15	0.15		ppbV	1	2/3/2022 8:13:00 PM
Ethyl acetate	0.38	0.15		ppbV	1	2/3/2022 8:13:00 PM

Qualifiers: SC Sub-Contracted
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 JN Non-routine analyte. Quantitation estimated.
 S Spike Recovery outside accepted recovery limits

Results reported are not blank corrected
 E Estimated Value above quantitation range
 J Analyte detected below quantitation limit
 ND Not Detected at the Limit of Detection
 DL Detection Limit

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Centek Laboratories, LLC

Date: 04-Feb-22

CLIENT: Matrix Environmental Technologies, Inc

Client Sample ID: A3

Lab Order: C2202013

Tag Number: 195,434

Project: Aquino 65-67 Lake Ave

Collection Date: 1/31/2022

Lab ID: C2202013-005A

Matrix: AIR

Analyses	Result	DL	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		TO-15		Analyst: RJP		
Ethylbenzene	0.10	0.15	J	ppbV	1	2/3/2022 8:13:00 PM
Freon 11	0.20	0.15		ppbV	1	2/3/2022 8:13:00 PM
Freon 113	< 0.15	0.15		ppbV	1	2/3/2022 8:13:00 PM
Freon 114	< 0.15	0.15		ppbV	1	2/3/2022 8:13:00 PM
Freon 12	0.47	0.15		ppbV	1	2/3/2022 8:13:00 PM
Heptane	0.27	0.15		ppbV	1	2/3/2022 8:13:00 PM
Hexachloro-1,3-butadiene	< 0.15	0.15		ppbV	1	2/3/2022 8:13:00 PM
Hexane	0.36	0.15		ppbV	1	2/3/2022 8:13:00 PM
Isopropyl alcohol	< 0.15	0.15		ppbV	1	2/3/2022 8:13:00 PM
m&p-Xylene	0.32	0.30		ppbV	1	2/3/2022 8:13:00 PM
Methyl Butyl Ketone	< 0.30	0.30		ppbV	1	2/3/2022 8:13:00 PM
Methyl Ethyl Ketone	0.68	0.30		ppbV	1	2/3/2022 8:13:00 PM
Methyl Isobutyl Ketone	< 0.30	0.30		ppbV	1	2/3/2022 8:13:00 PM
Methyl tert-butyl ether	< 0.15	0.15		ppbV	1	2/3/2022 8:13:00 PM
Methylene chloride	0.29	0.15		ppbV	1	2/3/2022 8:13:00 PM
o-Xylene	0.12	0.15	J	ppbV	1	2/3/2022 8:13:00 PM
Propylene	< 0.15	0.15		ppbV	1	2/3/2022 8:13:00 PM
Styrene	< 0.15	0.15		ppbV	1	2/3/2022 8:13:00 PM
Tetrachloroethylene	0.21	0.15		ppbV	1	2/3/2022 8:13:00 PM
Tetrahydrofuran	< 0.15	0.15		ppbV	1	2/3/2022 8:13:00 PM
Toluene	0.82	0.15		ppbV	1	2/3/2022 8:13:00 PM
trans-1,2-Dichloroethene	< 0.15	0.15		ppbV	1	2/3/2022 8:13:00 PM
trans-1,3-Dichloropropene	< 0.15	0.15		ppbV	1	2/3/2022 8:13:00 PM
Trichloroethene	0.030	0.030		ppbV	1	2/3/2022 8:13:00 PM
Vinyl acetate	< 0.15	0.15		ppbV	1	2/3/2022 8:13:00 PM
Vinyl Bromide	< 0.15	0.15		ppbV	1	2/3/2022 8:13:00 PM
Vinyl chloride	< 0.040	0.040		ppbV	1	2/3/2022 8:13:00 PM
Surr: Bromofluorobenzene	93.0	47-124		%REC	1	2/3/2022 8:13:00 PM

Qualifiers: SC Sub-Contracted
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 JN Non-routine analyte. Quantitation estimated.
 S Spike Recovery outside accepted recovery limits

. Results reported are not blank corrected
 E Estimated Value above quantitation range
 J Analyte detected below quantitation limit
 ND Not Detected at the Limit of Detection
 DL Detection Limit

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Centek Laboratories, LLC

Date: 04-Feb-22

CLIENT: Matrix Environmental Technologies, Inc

Client Sample ID: A3

Lab Order: C2202013

Tag Number: 195,434

Project: Aquino 65-67 Lake Ave

Collection Date: 1/31/2022

Lab ID: C2202013-005A

Matrix: AIR

Analyses	Result	DL	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		TO-15		Analyst: RJP		
1,1,1-Trichloroethane	< 0.82	0.82		ug/m3	1	2/3/2022 8:13:00 PM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		ug/m3	1	2/3/2022 8:13:00 PM
1,1,2-Trichloroethane	< 0.82	0.82		ug/m3	1	2/3/2022 8:13:00 PM
1,1-Dichloroethane	< 0.61	0.61		ug/m3	1	2/3/2022 8:13:00 PM
1,1-Dichloroethene	< 0.16	0.16		ug/m3	1	2/3/2022 8:13:00 PM
1,2,4-Trichlorobenzene	< 1.1	1.1		ug/m3	1	2/3/2022 8:13:00 PM
1,2,4-Trimethylbenzene	< 0.74	0.74		ug/m3	1	2/3/2022 8:13:00 PM
1,2-Dibromoethane	< 1.2	1.2		ug/m3	1	2/3/2022 8:13:00 PM
1,2-Dichlorobenzene	< 0.90	0.90		ug/m3	1	2/3/2022 8:13:00 PM
1,2-Dichloroethane	< 0.61	0.61		ug/m3	1	2/3/2022 8:13:00 PM
1,2-Dichloropropane	< 0.69	0.69		ug/m3	1	2/3/2022 8:13:00 PM
1,3,5-Trimethylbenzene	< 0.74	0.74		ug/m3	1	2/3/2022 8:13:00 PM
1,3-butadiene	< 0.33	0.33		ug/m3	1	2/3/2022 8:13:00 PM
1,3-Dichlorobenzene	< 0.90	0.90		ug/m3	1	2/3/2022 8:13:00 PM
1,4-Dichlorobenzene	< 0.90	0.90		ug/m3	1	2/3/2022 8:13:00 PM
1,4-Dioxane	< 1.1	1.1		ug/m3	1	2/3/2022 8:13:00 PM
2,2,4-trimethylpentane	0.56	0.70	J	ug/m3	1	2/3/2022 8:13:00 PM
4-ethyltoluene	< 0.74	0.74		ug/m3	1	2/3/2022 8:13:00 PM
Acetone	110	28		ug/m3	40	2/4/2022 8:23:00 AM
Allyl chloride	< 0.47	0.47		ug/m3	1	2/3/2022 8:13:00 PM
Benzene	1.2	0.48		ug/m3	1	2/3/2022 8:13:00 PM
Benzyl chloride	< 0.86	0.86		ug/m3	1	2/3/2022 8:13:00 PM
Bromodichloromethane	< 1.0	1.0		ug/m3	1	2/3/2022 8:13:00 PM
Bromoform	< 1.6	1.6		ug/m3	1	2/3/2022 8:13:00 PM
Bromomethane	< 0.58	0.58		ug/m3	1	2/3/2022 8:13:00 PM
Carbon disulfide	0.31	0.47	J	ug/m3	1	2/3/2022 8:13:00 PM
Carbon tetrachloride	0.57	0.19		ug/m3	1	2/3/2022 8:13:00 PM
Chlorobenzene	< 0.69	0.69		ug/m3	1	2/3/2022 8:13:00 PM
Chloroethane	< 0.40	0.40		ug/m3	1	2/3/2022 8:13:00 PM
Chloroform	5.5	0.73		ug/m3	1	2/3/2022 8:13:00 PM
Chloromethane	< 0.31	0.31		ug/m3	1	2/3/2022 8:13:00 PM
cis-1,2-Dichloroethene	< 0.16	0.16		ug/m3	1	2/3/2022 8:13:00 PM
cis-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	2/3/2022 8:13:00 PM
Cyclohexane	< 0.52	0.52		ug/m3	1	2/3/2022 8:13:00 PM
Dibromochloromethane	< 1.3	1.3		ug/m3	1	2/3/2022 8:13:00 PM
Ethyl acetate	1.4	0.54		ug/m3	1	2/3/2022 8:13:00 PM
Ethylbenzene	0.43	0.66	J	ug/m3	1	2/3/2022 8:13:00 PM
Freon 11	1.1	0.84		ug/m3	1	2/3/2022 8:13:00 PM
Freon 113	< 1.1	1.1		ug/m3	1	2/3/2022 8:13:00 PM
Freon 114	< 1.0	1.0		ug/m3	1	2/3/2022 8:13:00 PM

Qualifiers: SC Sub-Contracted
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 JN Non-routine analyte. Quantitation estimated.
 S Spike Recovery outside accepted recovery limits

Results reported are not blank corrected
 E Estimated Value above quantitation range
 J Analyte detected below quantitation limit
 ND Not Detected at the Limit of Detection
 DL Detection Limit

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Centek Laboratories, LLC

Date: 04-Feb-22

CLIENT: Matrix Environmental Technologies, Inc
 Lab Order: C2202013
 Project: Aquino 65-67 Lake Ave
 Lab ID: C2202013-005A

Client Sample ID: A3
 Tag Number: 195,434
 Collection Date: 1/31/2022
 Matrix: AIR

Analyses	Result	DL	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		TO-15		Analyst: RJP		
Freon 12	2.3	0.74		ug/m3	1	2/3/2022 8:13:00 PM
Heptane	1.1	0.61		ug/m3	1	2/3/2022 8:13:00 PM
Hexachloro-1,3-butadiene	< 1.6	1.6		ug/m3	1	2/3/2022 8:13:00 PM
Hexane	1.3	0.53		ug/m3	1	2/3/2022 8:13:00 PM
Isopropyl alcohol	< 0.37	0.37		ug/m3	1	2/3/2022 8:13:00 PM
m&p-Xylene	1.4	1.3		ug/m3	1	2/3/2022 8:13:00 PM
Methyl Butyl Ketone	< 1.2	1.2		ug/m3	1	2/3/2022 8:13:00 PM
Methyl Ethyl Ketone	2.0	0.88		ug/m3	1	2/3/2022 8:13:00 PM
Methyl Isobutyl Ketone	< 1.2	1.2		ug/m3	1	2/3/2022 8:13:00 PM
Methyl tert-butyl ether	< 0.54	0.54		ug/m3	1	2/3/2022 8:13:00 PM
Methylene chloride	1.0	0.52		ug/m3	1	2/3/2022 8:13:00 PM
o-Xylene	0.52	0.65	J	ug/m3	1	2/3/2022 8:13:00 PM
Propylene	< 0.26	0.26		ug/m3	1	2/3/2022 8:13:00 PM
Styrene	< 0.64	0.64		ug/m3	1	2/3/2022 8:13:00 PM
Tetrachloroethylene	1.4	1.0		ug/m3	1	2/3/2022 8:13:00 PM
Tetrahydrofuran	< 0.44	0.44		ug/m3	1	2/3/2022 8:13:00 PM
Toluene	3.1	0.57		ug/m3	1	2/3/2022 8:13:00 PM
trans-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	2/3/2022 8:13:00 PM
trans-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	2/3/2022 8:13:00 PM
Trichloroethene	0.16	0.16		ug/m3	1	2/3/2022 8:13:00 PM
Vinyl acetate	< 0.53	0.53		ug/m3	1	2/3/2022 8:13:00 PM
Vinyl Bromide	< 0.66	0.66		ug/m3	1	2/3/2022 8:13:00 PM
Vinyl chloride	< 0.10	0.10		ug/m3	1	2/3/2022 8:13:00 PM

Qualifiers: SC Sub-Contracted
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 JN Non-routine analyte. Quantitation estimated.
 S Spike Recovery outside accepted recovery limits

. Results reported are not blank corrected
 E Estimated Value above quantitation range
 J Analyte detected below quantitation limit
 ND Not Detected at the Limit of Detection
 DL Detection Limit

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Data File : C:\HPCHEM\1\DATA\AT020317.D

Vial: 41

Acq On : 3 Feb 2022 8:13 pm

Operator: RJP

Sample : C2202013-005A

Inst : MSD #1

Misc : A201_1UG

Multiplr: 1.00

MS Integration Params: RTEINT.P

Quant Time: Feb 04 08:24:35 2022

Quant Results File: A201_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A201_1UG.M (RTE Integrator)

Title : TO-15 VOA Standards for 5 point calibration

Last Update : Wed Feb 02 07:40:12 2022

Response via : Initial Calibration

DataAcq Meth : 1UG_ENT

Internal Standards	R.T.	Qlon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	9.72	128	35722	1.00	ppb	-0.03
35) 1,4-difluorobenzene	12.02	114	154976	1.00	ppb	-0.02
50) Chlorobenzene-d5	16.84	117	136802	1.00	ppb	-0.02

System Monitoring Compounds

65) Bromofluorobenzene	18.64	95	94266	0.93	ppb	-0.02
Spiked Amount	1.000	Range	70 - 130	Recovery	=	93.00%

Target Compounds

						Qvalue
3) Freon 12	4.15	85	116700	0.47	ppb	99
14) Freon 11	5.77	101	54299	0.20	ppb	97
15) Acetone	5.92	58	1382708	54.53	ppb	# 13
21) Methylene chloride	6.98	84	14048	0.29	ppb	97
23) Carbon disulfide	7.13	76	15879	0.10	ppb	92
28) Methyl Ethyl Ketone	8.82	72	15172	0.68	ppb	# 100
30) Hexane	8.87	57	22020m //	0.36	ppb	
31) Ethyl acetate	9.42	43	40860	0.38	ppb	96
32) Chloroform	9.88	83	170244	1.13	ppb	100
38) Carbon tetrachloride	11.36	117	19793	0.09	ppb	95
39) Benzene	11.32	78	53629	0.38	ppb	91
42) 2,2,4-trimethylpentane	12.20	57	21602	0.12	ppb	85
43) Heptane	12.55	43	16917	0.27	ppb	# 76
44) Trichloroethene	12.67	130	2297	0.03	ppb	# 80
51) Toluene	14.80	92	87645	0.82	ppb	98
56) Tetrachloroethylene	15.87	164	18110	0.21	ppb	95
58) Ethylbenzene	17.17	91	25377	0.10	ppb	98
59) m&p-xylene	17.35	91	66339	0.32	ppb	95
63) o-xylene	17.89	91	27163	0.12	ppb	90

(#) = qualifier out of range (m) = manual integration (+) = signals summed
 AT020317.D A201_1UG.M Fri Feb 04 14:29:09 2022 MSD1

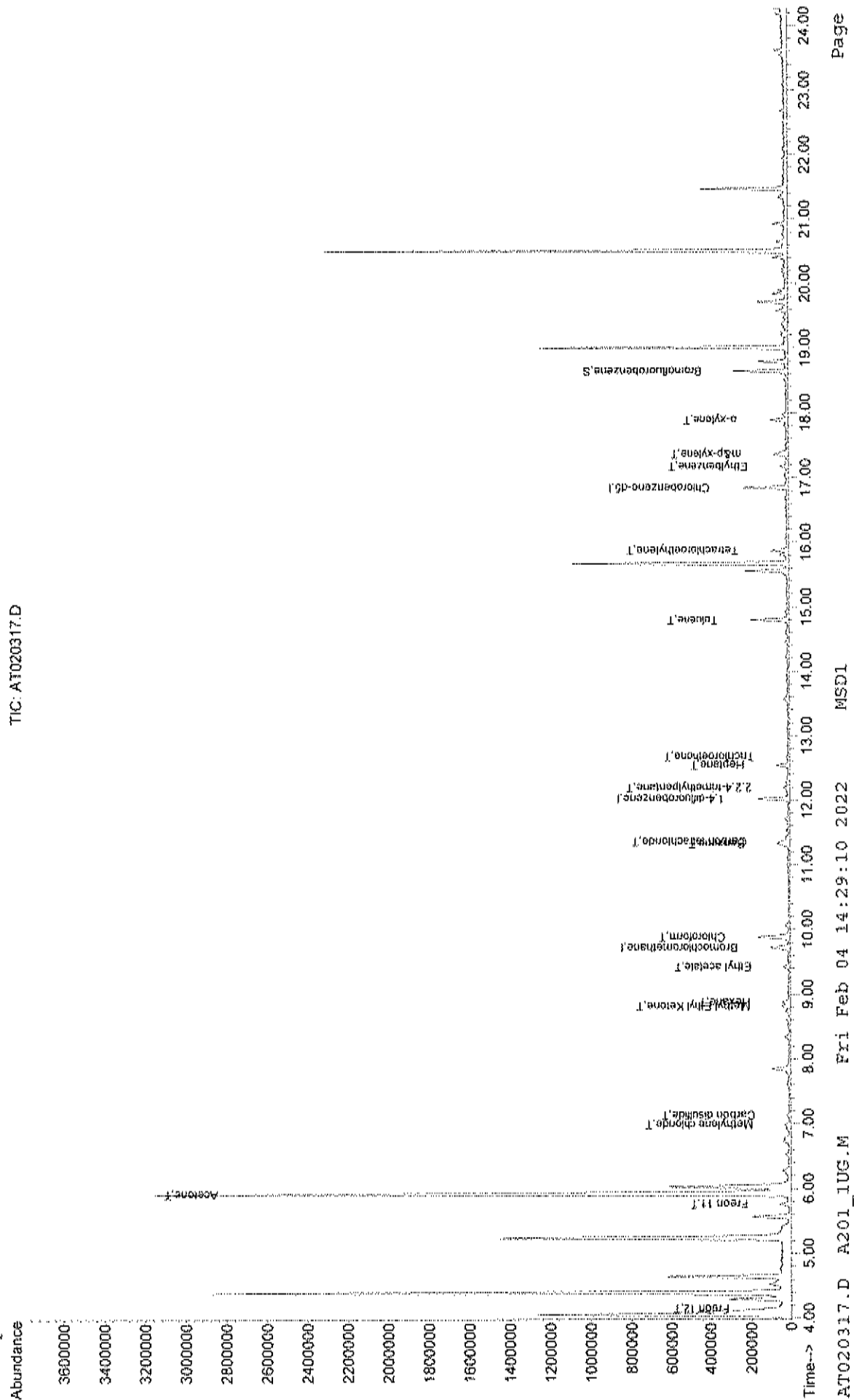
Data File : C:\HPCHEM\1\DATA\AT020317.D
Acq On : 3 Feb 2022 8:13 pm
Sample : C2202013-005A
Misc : A201_1UG
MS Integration Params: RTEINT.P
Quant Time: Feb 4 8:41 2022

Vial: 41
Operator: RJP
Inst : MSD #1
Multiplr: 1.00

Quant Results File: A201_1UG.RES

Method : C:\HPCHEM\1\METHODS\A201_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Fri Feb 04 14:02:12 2022
Response via : Initial Calibration

TIC: AT020317.D

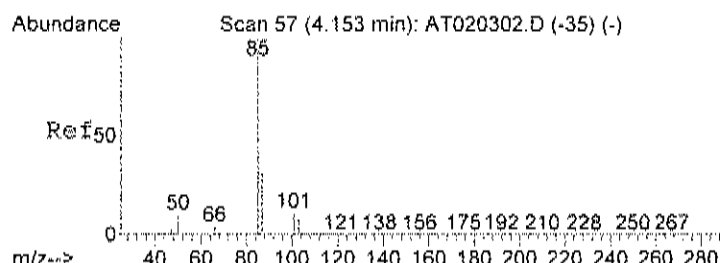


MSD1

Fri Feb 04 14:29:10 2022

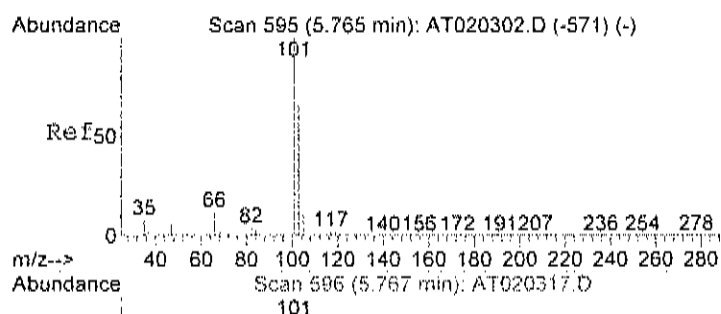
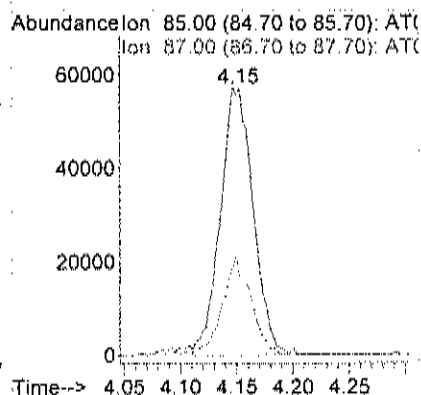
AT020317.D A201_1UG.M

Page 2



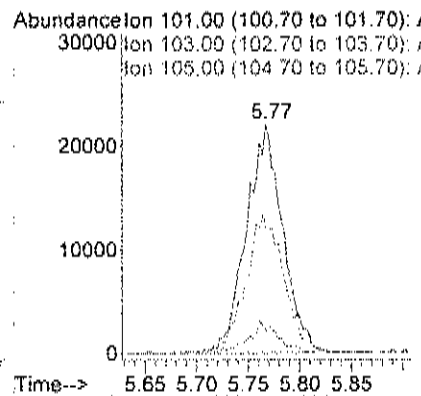
#3
Freon 12
Concen: 0.47 ppb
RT: 4.15 min Scan# 55
Delta R.T. -0.02 min
Lab File: AT020317.D
Acq: 3 Feb 2022 8:13 pm

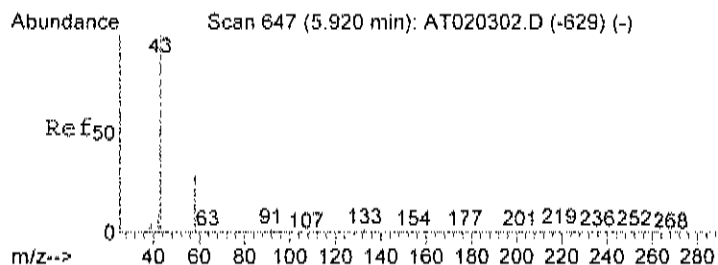
Tgt Ion	85	Resp	116700
Ion Ratio	Lower	Upper	
85	100		
87	32.2	12.9	52.9



#14
Freon 11
Concen: 0.20 ppb
RT: 5.77 min Scan# 596
Delta R.T. -0.02 min
Lab File: AT020317.D
Acq: 3 Feb 2022 8:13 pm

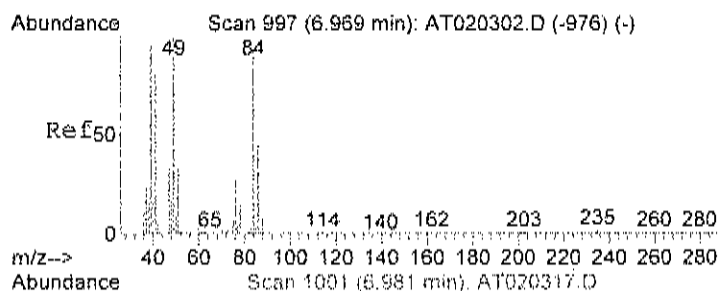
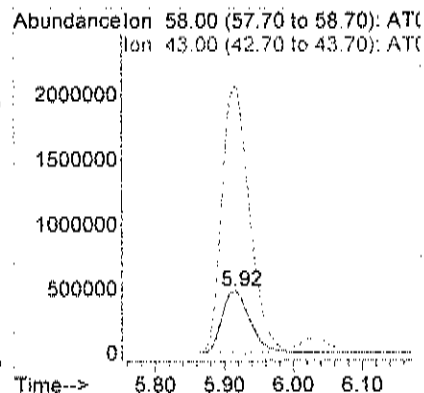
Tgt Ion	101	Resp	54299
Ion Ratio	Lower	Upper	
101	100		
103	63.5	45.9	85.9
105	11.5	0.0	30.8





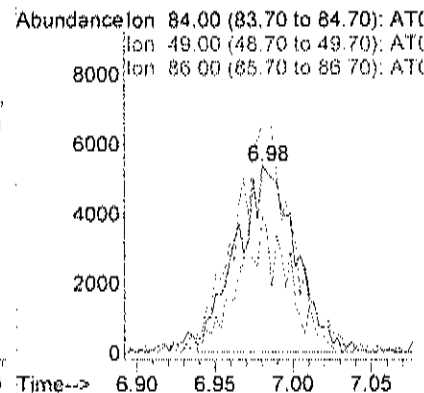
#15
Acetone
Concen: 54.53 ppb
RT: 5.92 min Scan# 646
Delta R.T. -0.04 min
Lab File: AT020317.D
Acq: 3 Feb 2022 8:13 pm

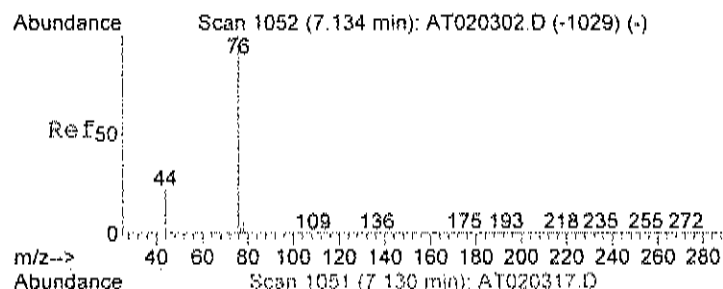
Tgt Ion:	58	Resp:	1382708
Ion	Ratio	Lower	Upper
58	100		
43	443.4	249.9	309.9#



#21
Methylene chloride
Concen: 0.29 ppb
RT: 6.98 min Scan# 1001
Delta R.T. -0.02 min
Lab File: AT020317.D
Acq: 3 Feb 2022 8:13 pm

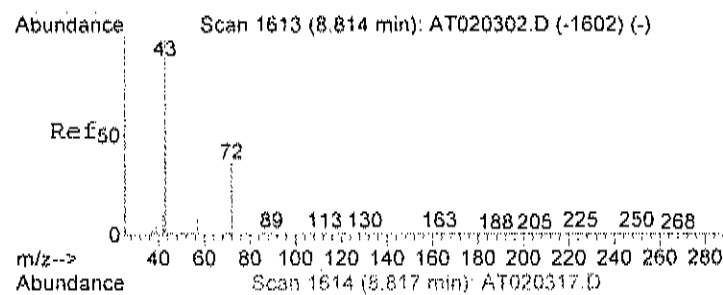
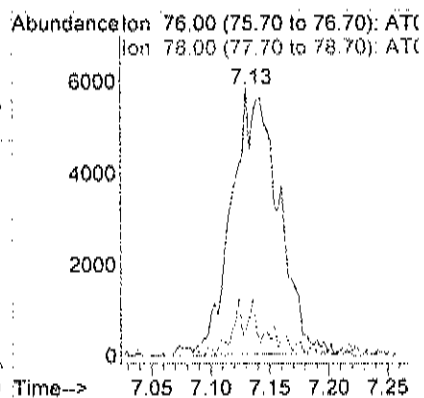
Tgt Ion:	84	Resp:	14048
Ion	Ratio	Lower	Upper
84	100		
49	119.3	96.8	136.8
86	62.8	45.5	85.5





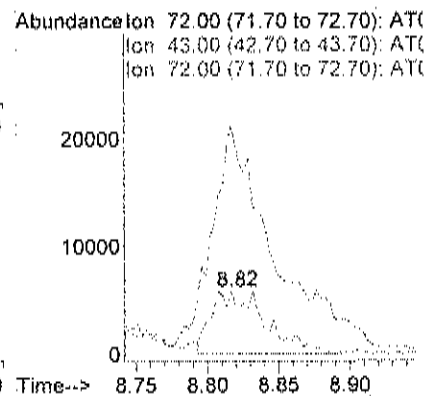
#23
Carbon disulfide
Concen: 0.10 ppb
RT: 7.13 min Scan# 1051
Delta R.T. -0.03 min
Lab File: AT020317.D
Acq: 3 Feb 2022 8:13 pm

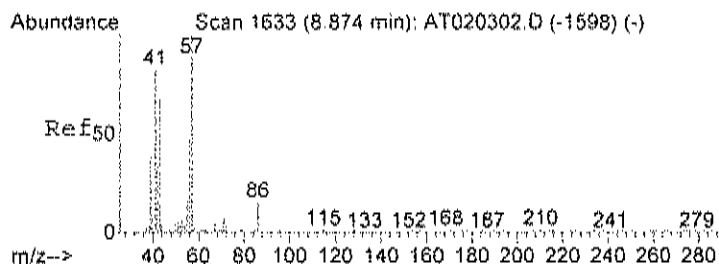
Tgt Ion: 76 Resp: 15879
Ion Ratio Lower Upper
76 100
78 12.6 0.0 29.5



#28
Methyl Ethyl Ketone
Concen: 0.68 ppb
RT: 8.82 min Scan# 1614
Delta R.T. -0.03 min
Lab File: AT020317.D
Acq: 3 Feb 2022 8:13 pm

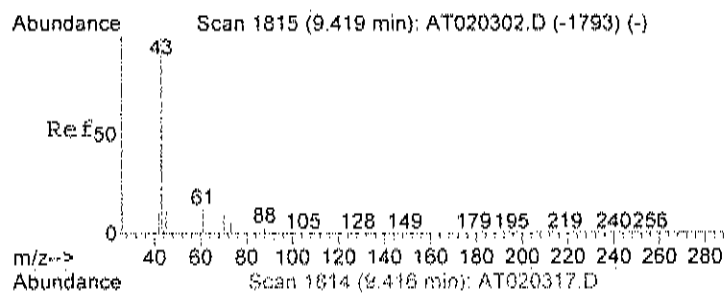
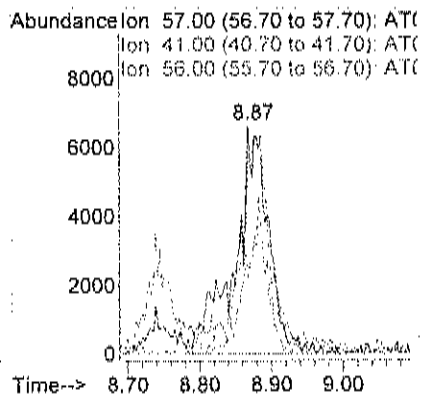
Tgt Ion: 72 Resp: 15172
Ion Ratio Lower Upper
72 100
43 0.0 0.0 20.0
72 100.0 80.0 120.0





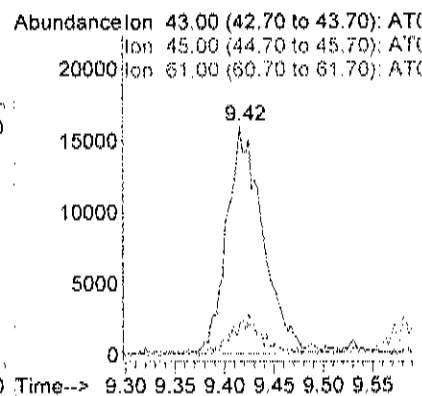
#30
Hexane
Concen: 0.36 ppb m
RT: 8.87 min Scan# 1631
Delta R.T. -0.04 min
Lab File: AT020317.D
Acq: 3 Feb 2022 8:13 pm

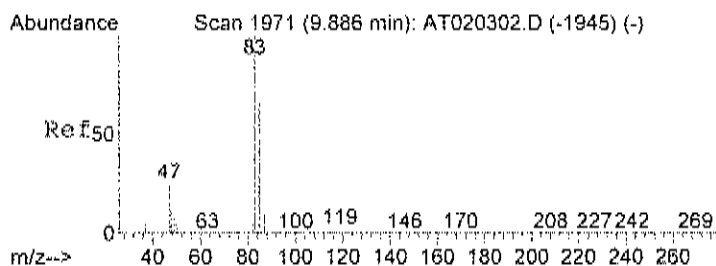
Tgt Ion	Ratio	Lower	Upper
57	100		
41	79.6	61.2	101.2
56	40.2	34.3	74.3



#31
Ethyl acetate
Concen: 0.38 ppb
RT: 9.42 min Scan# 1814
Delta R.T. -0.03 min
Lab File: AT020317.D
Acq: 3 Feb 2022 8:13 pm

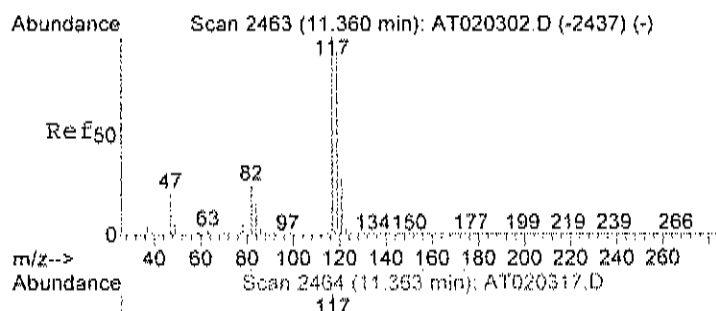
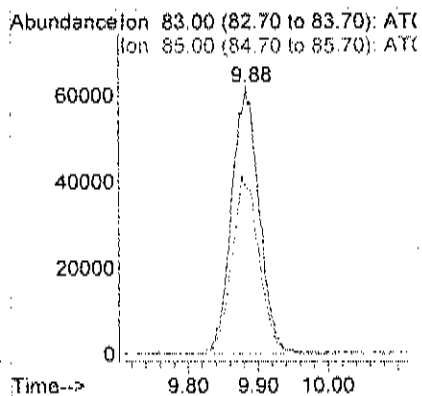
Tgt Ion	Ratio	Lower	Upper
43	100		
45	14.0	0.0	35.4
61	14.0	0.0	35.8





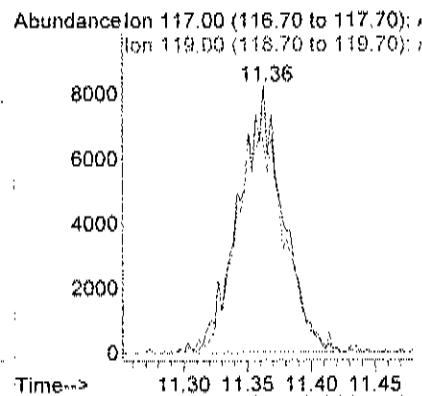
#32
Chloroform
Concen: 1.13 ppb
RT: 9.88 min Scan# 1970
Delta R.T. -0.03 min
Lab File: AT020317.D
Acq: 3 Feb 2022 8:13 pm

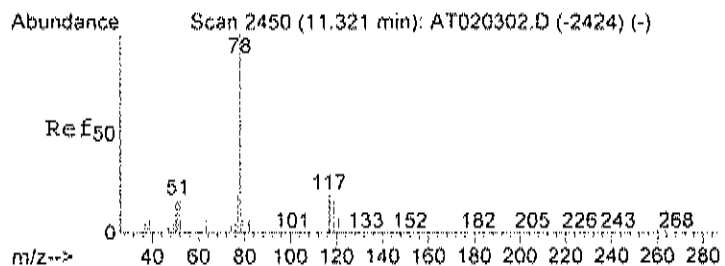
Tgt Ion: 83 Resp: 170244
Ion Ratio Lower Upper
83 100
85 65.4 45.3 85.3



#38
Carbon tetrachloride
Concen: 0.09 ppb
RT: 11.36 min Scan# 2464
Delta R.T. -0.02 min
Lab File: AT020317.D
Acq: 3 Feb 2022 8:13 pm

Tgt Ion: 117 Resp: 19793
Ion Ratio Lower Upper
117 100
119 92.1 76.8 116.8

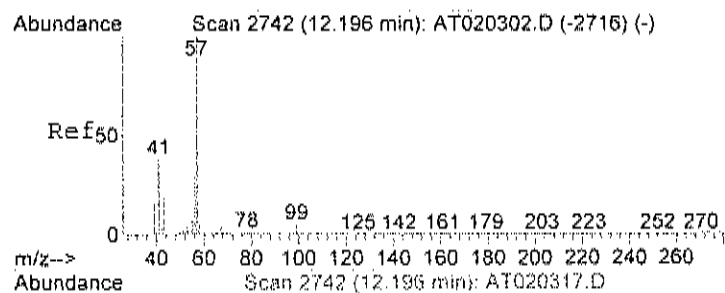
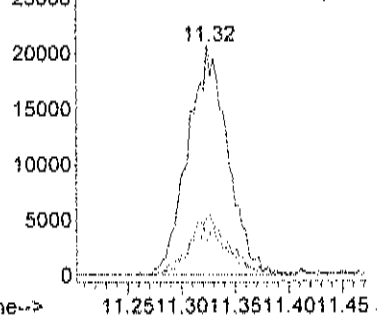




#39
Benzene
Concen: 0.38 ppb
RT: 11.32 min Scan# 2451
Delta R.T. -0.02 min
Lab File: AT020317.D
Acq: 3 Feb 2022 8:13 pm

Tgt Ion:	78	Resp:	53629
Ion Ratio	Lower	Upper	
78	100		
77	25.8	3.3	43.3
51	21.1	0.0	35.1

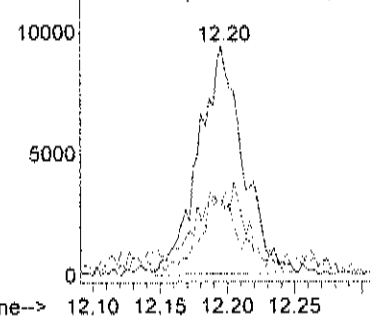
Abundance Ion 78.00 (77.70 to 78.70): ATC
Ion 77.00 (76.70 to 77.70): ATC
Ion 51.00 (50.70 to 51.70): ATC

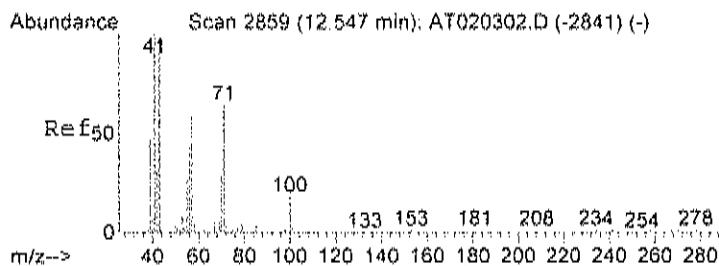


#42
2,2,4-trimethylpentane
Concen: 0.12 ppb
RT: 12.20 min Scan# 2742
Delta R.T. -0.02 min
Lab File: AT020317.D
Acq: 3 Feb 2022 8:13 pm

Tgt Ion:	57	Resp:	21602
Ion Ratio	Lower	Upper	
57	100		
41	48.5	12.0	52.0
56	33.5	13.4	53.4

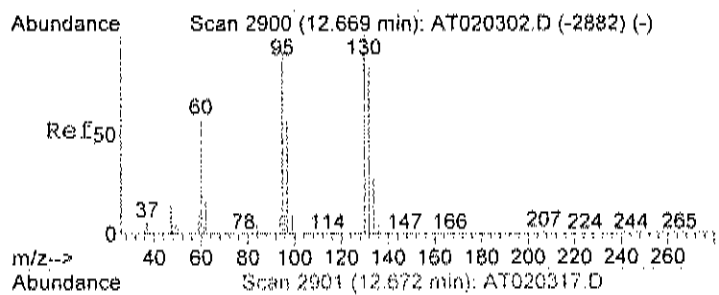
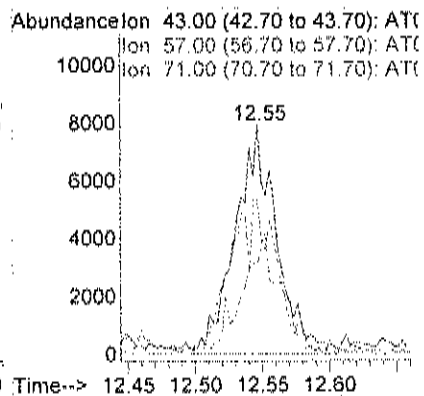
Abundance Ion 57.00 (56.70 to 57.70): ATC
Ion 41.00 (40.70 to 41.70): ATC
Ion 56.00 (55.70 to 56.70): ATC





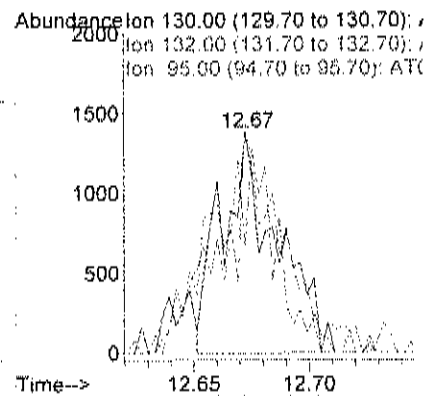
#43
Heptane
Concen: 0.27 ppb
RT: 12.55 min Scan# 2859
Delta R.T. -0.02 min
Lab File: AT020317.D
Acq: 3 Feb 2022 8:13 pm

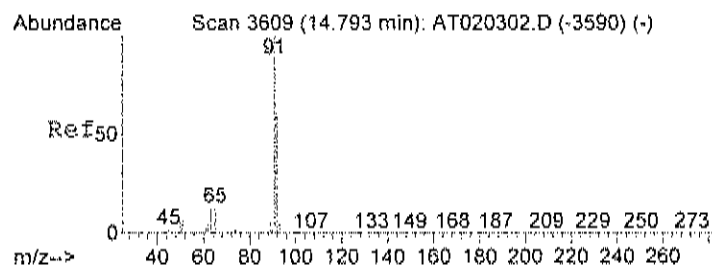
Tgt Ion	43	Resp	16917
Ion	Ratio	Lower	Upper
43	100		
57	79.6	37.9	77.9#
71	47.5	43.1	83.1



#44
Trichloroethene
Concen: 0.03 ppb
RT: 12.67 min Scan# 2901
Delta R.T. -0.02 min
Lab File: AT020317.D
Acq: 3 Feb 2022 8:13 pm

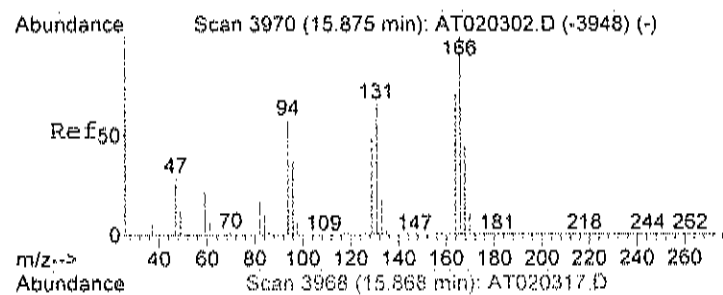
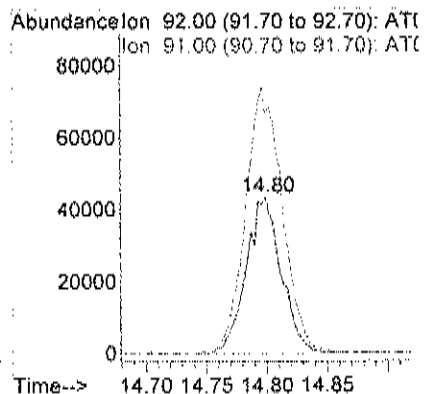
Tgt Ion	130	Resp	2297
Ion	Ratio	Lower	Upper
130	100		
132	101.0	76.0	116.0
95	64.2	77.6	117.6#





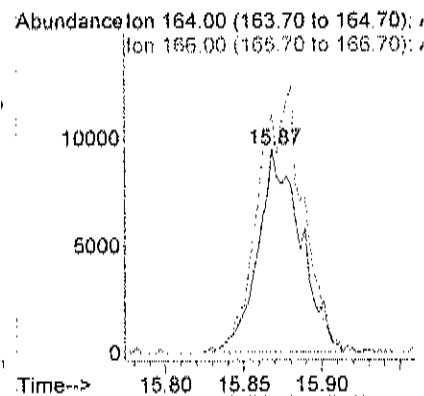
#51
Toluene
Concen: 0.82 ppb
RT: 14.80 min Scan# 3611
Delta R.T. -0.02 min
Lab File: AT020317.D
Acq: 3 Feb 2022 8:13 pm

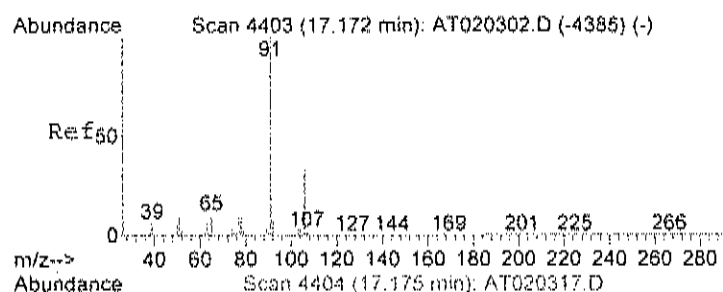
Tgt Ion: 92 Resp: 87645
Ion Ratio Lower Upper
92 100
91 178.6 155.2 195.2



#56
Tetrachloroethylene
Concen: 0.21 ppb
RT: 15.87 min Scan# 3968
Delta R.T. -0.02 min
Lab File: AT020317.D
Acq: 3 Feb 2022 8:13 pm

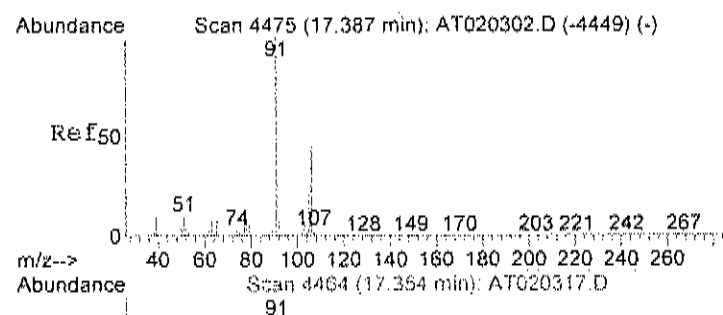
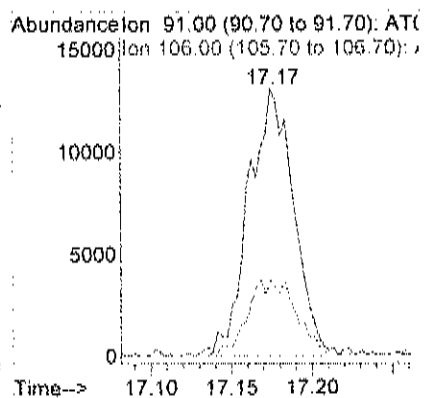
Tgt Ion: 164 Resp: 18110
Ion Ratio Lower Upper
164 100
166 135.1 108.8 148.8





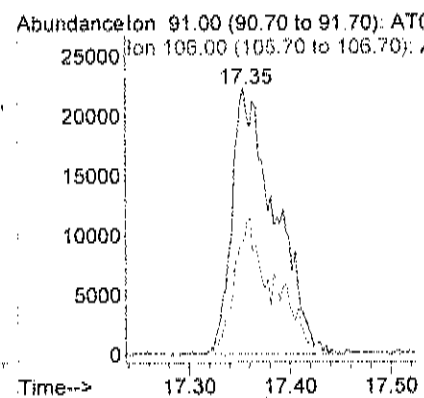
#58
Ethylbenzene
Concen: 0.10 ppb
RT: 17.17 min Scan# 4404
Delta R.T. -0.02 min
Lab File: AT020317.D
Acq: 3 Feb 2022 8:13 pm

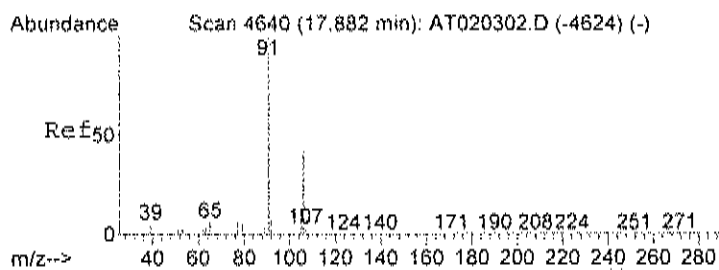
Tgt Ion: 91 Resp: 25377
Ion Ratio Lower Upper
91 100
106 30.6 11.7 51.7



#59
m&p-xylene
Concen: 0.32 ppb
RT: 17.35 min Scan# 4464
Delta R.T. -0.05 min
Lab File: AT020317.D
Acq: 3 Feb 2022 8:13 pm

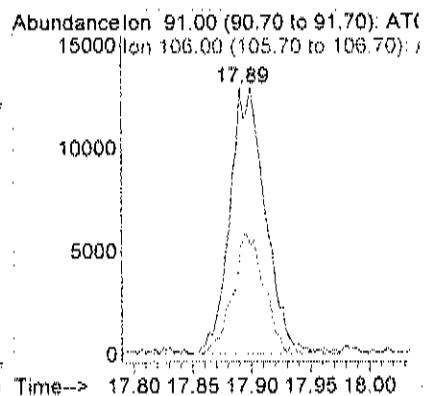
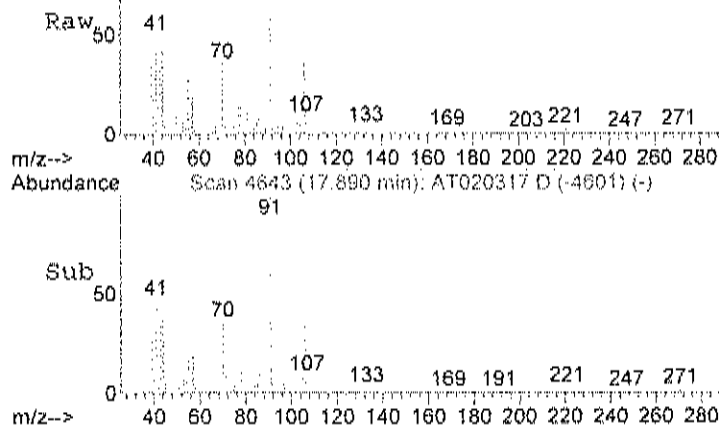
Tgt Ion: 91 Resp: 66339
Ion Ratio Lower Upper
91 100
106 46.6 29.7 69.7





#63
o-xylene
Concen: 0.12 ppb
RT: 17.89 min Scan# 4643
Delta R.T. -0.02 min
Lab File: AT020317.D
Acq: 3 Feb 2022 8:13 pm

Tgt Ion: 91 Resp: 27163
Ion Ratio Lower Upper
91 100
106 40.5 27.3 67.3



Data File : C:\HPCHEM\1\DATA\AT020334.D

Vial: 58

Acq On : 4 Feb 2022 8:23 am

Operator: RJP

Sample : C2202013-005A 40X

Inst : MSD #1

Misc : A201_1UG

Multiplr: 1.00

MS Integration Params: RTEINT.P

Quant Time: Feb 04 08:52:32 2022

Quant Results File: A201_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A201_1UG.M (RTE Integrator)

Title : TO-15 VOA Standards for 5 point calibration

Last Update : Wed Feb 02 07:40:12 2022

Response via : Initial Calibration

DataAcq Meth : 1UG_ENT

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	9.72	128	28678	1.00	ppb	-0.03
35) 1,4-difluorobenzene	12.03	114	118900	1.00	ppb	0.00
50) Chlorobenzene-d5	16.87	117	97566	1.00	ppb	0.00

System Monitoring Compounds

65) Bromofluorobenzene	18.69	95	60932	0.85	ppb	0.04
Spiked Amount	1.000	Range	70 - 130	Recovery	=	85.00%

Target Compounds

15) Acetone	5.93	58	22927	1.13	ppb	Qvalue # 6
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Quantitation Report (QT Reviewed)

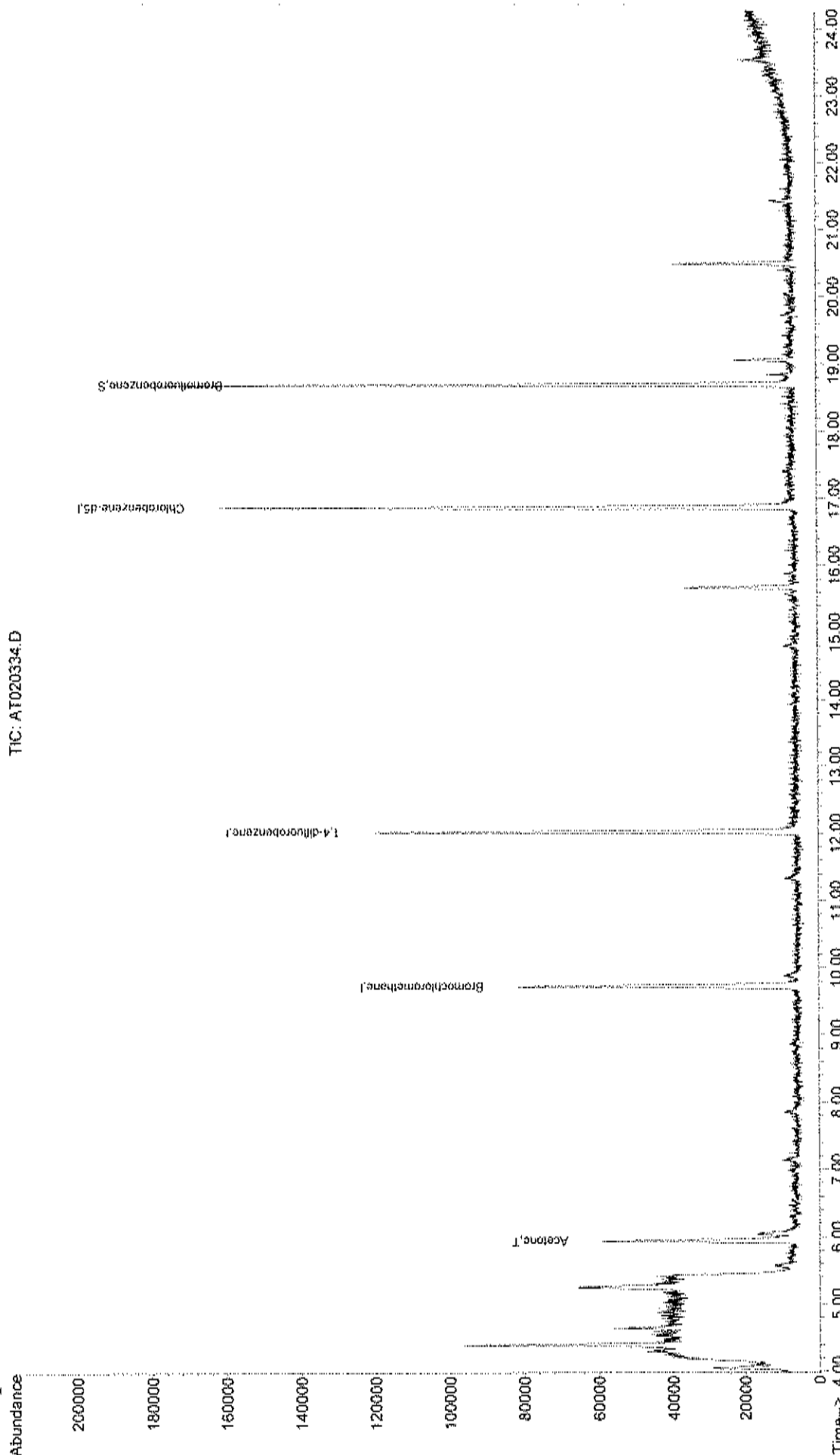
Data File : C:\HPCHEM\1\DATA\AT020334.D
Acq On : 4 Feb 2022 8:23 am
Sample : C2202013-005A 40X
Misc : A201_1UG
MS Integration Params: RTEINT.P
Quant Time: Feb 4 8:52 2022

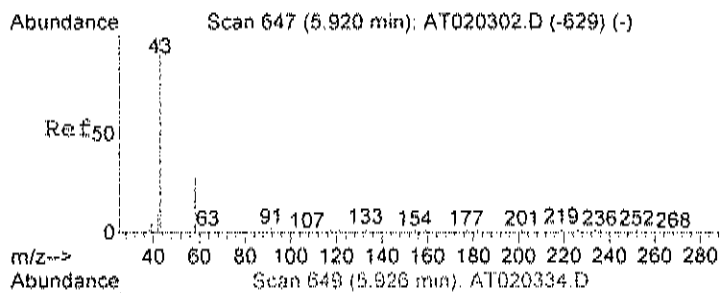
Vial: 58
Operator: RJP
Inst : MSD #1
Multiplr: 1.00

Quant Results File: A201_1UG.RES

Method : C:\HPCHEM\1\METHODS\A201_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Fri Feb 04 14:02:12 2022
Response via : Initial Calibration

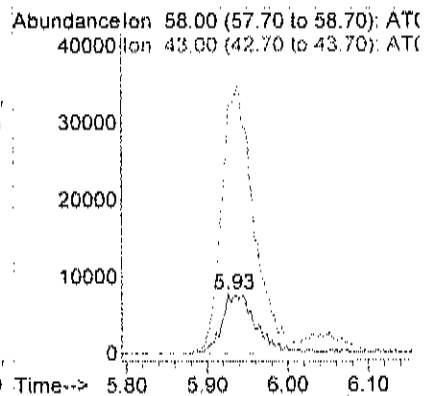
TIC: AT020334.D





#15
Acetone
Concen: 1.13 ppb
RT: 5.93 min Scan# 649
Delta R.T. ~0.03 min
Lab File: AT020334.D
Acq: 4 Feb 2022 8:23 am

Tgt Ion: 58 Resp: 22927
Ion Ratio Lower Upper
58 100
43 456.3 249.9 309.9#



Centek Laboratories, LLC

Date: 04-Feb-22

CLIENT: Matrix Environmental Technologies, Inc
 Lab Order: C2202013
 Project: Aquino 65-67 Lake Ave
 Lab ID: C2202013-006A

Client Sample ID: A4
 Tag Number: 88,146
 Collection Date: 1/31/2022
 Matrix: AIR

Analyses	Result	DL	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		FLD		Analyst:		
Lab Vacuum In	-1			"Hg		2/3/2022
Lab Vacuum Out	-30			"Hg		2/3/2022
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		TO-15		Analyst: RJP		
1,1,1-Trichloroethane	< 0.15	0.15		ppbV	1	2/3/2022 8:58:00 PM
1,1,2,2-Tetrachloroethane	< 0.15	0.15		ppbV	1	2/3/2022 8:58:00 PM
1,1,2-Trichloroethane	< 0.15	0.15		ppbV	1	2/3/2022 8:58:00 PM
1,1-Dichloroethane	< 0.15	0.15		ppbV	1	2/3/2022 8:58:00 PM
1,1-Dichloroethene	< 0.040	0.040		ppbV	1	2/3/2022 8:58:00 PM
1,2,4-Trichlorobenzene	< 0.15	0.15		ppbV	1	2/3/2022 8:58:00 PM
1,2,4-Trimethylbenzene	0.11	0.15	J	ppbV	1	2/3/2022 8:58:00 PM
1,2-Dibromoethane	< 0.15	0.15		ppbV	1	2/3/2022 8:58:00 PM
1,2-Dichlorobenzene	< 0.15	0.15		ppbV	1	2/3/2022 8:58:00 PM
1,2-Dichloroethane	< 0.15	0.15		ppbV	1	2/3/2022 8:58:00 PM
1,2-Dichloropropane	< 0.15	0.15		ppbV	1	2/3/2022 8:58:00 PM
1,3,5-Trimethylbenzene	< 0.15	0.15		ppbV	1	2/3/2022 8:58:00 PM
1,3-butadiene	< 0.15	0.15		ppbV	1	2/3/2022 8:58:00 PM
1,3-Dichlorobenzene	< 0.15	0.15		ppbV	1	2/3/2022 8:58:00 PM
1,4-Dichlorobenzene	0.11	0.15	J	ppbV	1	2/3/2022 8:58:00 PM
1,4-Dioxane	< 0.30	0.30		ppbV	1	2/3/2022 8:58:00 PM
2,2,4-trimethylpentane	0.14	0.15	J	ppbV	1	2/3/2022 8:58:00 PM
4-ethyltoluene	< 0.15	0.15		ppbV	1	2/3/2022 8:58:00 PM
Acetone	12	3.0		ppbV	10	2/4/2022 12:06:00 PM
Allyl chloride	< 0.15	0.15		ppbV	1	2/3/2022 8:58:00 PM
Benzene	0.40	0.15		ppbV	1	2/3/2022 8:58:00 PM
Benzyl chloride	< 0.15	0.15		ppbV	1	2/3/2022 8:58:00 PM
Bromodichloromethane	< 0.15	0.15		ppbV	1	2/3/2022 8:58:00 PM
Bromoform	< 0.15	0.15		ppbV	1	2/3/2022 8:58:00 PM
Bromomethane	< 0.15	0.15		ppbV	1	2/3/2022 8:58:00 PM
Carbon disulfide	< 0.15	0.15		ppbV	1	2/3/2022 8:58:00 PM
Carbon tetrachloride	0.080	0.030		ppbV	1	2/3/2022 8:58:00 PM
Chlorobenzene	< 0.15	0.15		ppbV	1	2/3/2022 8:58:00 PM
Chloroethane	< 0.15	0.15		ppbV	1	2/3/2022 8:58:00 PM
Chloroform	0.10	0.15	J	ppbV	1	2/3/2022 8:58:00 PM
Chloromethane	0.48	0.15		ppbV	1	2/3/2022 8:58:00 PM
cis-1,2-Dichloroethene	< 0.040	0.040		ppbV	1	2/3/2022 8:58:00 PM
cis-1,3-Dichloropropene	< 0.15	0.15		ppbV	1	2/3/2022 8:58:00 PM
Cyclohexane	< 0.15	0.15		ppbV	1	2/3/2022 8:58:00 PM
Dibromochloromethane	< 0.15	0.15		ppbV	1	2/3/2022 8:58:00 PM
Ethyl acetate	0.25	0.15		ppbV	1	2/3/2022 8:58:00 PM

Qualifiers: SC Sub-Contracted
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 IN Non-routine analyte, Quantitation estimated.
 S Spike Recovery outside accepted recovery limits

Results reported are not blank corrected
 E Estimated Value above quantitation range
 J Analyte detected below quantitation limit
 ND Not Detected at the Limit of Detection
 DL Detection Limit

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Centek Laboratories, LLC

Date: 04-Feb-22

CLIENT: Matrix Environmental Technologies, Inc
 Lab Order: C2202013
 Project: Aquino 65-67 Lake Ave
 Lab ID: C2202013-006A

Client Sample ID: A4
 Tag Number: 88,146
 Collection Date: 1/31/2022
 Matrix: AIR

Analyses	Result	DL	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		TO-15		Analyst: RJP		
Ethylbenzene	0.13	0.15	J	ppbV	1	2/3/2022 8:58:00 PM
Freon 11	0.20	0.15		ppbV	1	2/3/2022 8:58:00 PM
Freon 113	< 0.15	0.15		ppbV	1	2/3/2022 8:58:00 PM
Freon 114	< 0.15	0.15		ppbV	1	2/3/2022 8:58:00 PM
Freon 12	0.47	0.15		ppbV	1	2/3/2022 8:58:00 PM
Heptane	0.26	0.15		ppbV	1	2/3/2022 8:58:00 PM
Hexachloro-1,3-butadiene	< 0.15	0.15		ppbV	1	2/3/2022 8:58:00 PM
Hexane	0.39	0.15		ppbV	1	2/3/2022 8:58:00 PM
Isopropyl alcohol	3.0	1.5		ppbV	10	2/4/2022 12:06:00 PM
m&p-Xylene	0.42	0.30		ppbV	1	2/3/2022 8:58:00 PM
Methyl Butyl Ketone	< 0.30	0.30		ppbV	1	2/3/2022 8:58:00 PM
Methyl Ethyl Ketone	0.29	0.30	J	ppbV	1	2/3/2022 8:58:00 PM
Methyl Isobutyl Ketone	< 0.30	0.30		ppbV	1	2/3/2022 8:58:00 PM
Methyl tert-butyl ether	< 0.15	0.15		ppbV	1	2/3/2022 8:58:00 PM
Methylene chloride	0.16	0.15		ppbV	1	2/3/2022 8:58:00 PM
o-Xylene	0.13	0.15	J	ppbV	1	2/3/2022 8:58:00 PM
Propylene	< 0.15	0.15		ppbV	1	2/3/2022 8:58:00 PM
Styrene	< 0.15	0.15		ppbV	1	2/3/2022 8:58:00 PM
Tetrachloroethylene	0.11	0.15	J	ppbV	1	2/3/2022 8:58:00 PM
Tetrahydrofuran	< 0.15	0.15		ppbV	1	2/3/2022 8:58:00 PM
Toluene	1.1	0.15		ppbV	1	2/3/2022 8:58:00 PM
trans-1,2-Dichloroethene	< 0.15	0.15		ppbV	1	2/3/2022 8:58:00 PM
trans-1,3-Dichloropropene	< 0.15	0.15		ppbV	1	2/3/2022 8:58:00 PM
Trichloroethene	< 0.030	0.030		ppbV	1	2/3/2022 8:58:00 PM
Vinyl acetate	< 0.15	0.15		ppbV	1	2/3/2022 8:58:00 PM
Vinyl Bromide	< 0.15	0.15		ppbV	1	2/3/2022 8:58:00 PM
Vinyl chloride	< 0.040	0.040		ppbV	1	2/3/2022 8:58:00 PM
Surr: Bromofluorobenzene	94.0	47-124		%REC	1	2/3/2022 8:58:00 PM

Qualifiers: SC Sub-Contracted
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 JN Non-routine analyte, Quantitation estimated.
 S Spike Recovery outside accepted recovery limits

Results reported are not blank corrected
 E Estimated Value above quantitation range
 J Analyte detected below quantitation limit
 ND Not Detected at the Limit of Detection
 DL Detection Limit

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Centek Laboratories, LLC

Date: 04-Feb-22

CLIENT: Matrix Environmental Technologies, Inc
 Lab Order: C2202013
 Project: Aquino 65-67 Lake Ave
 Lab ID: C2202013-006A

Client Sample ID: A4
 Tag Number: 88,146
 Collection Date: 1/31/2022
 Matrix: AIR

Analyses	Result	DL	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		TO-15		Analyst: RJP		
1,1,1-Trichloroethane	< 0.82	0.82		ug/m3	1	2/3/2022 8:58:00 PM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		ug/m3	1	2/3/2022 8:58:00 PM
1,1,2-Trichloroethane	< 0.82	0.82		ug/m3	1	2/3/2022 8:58:00 PM
1,1-Dichloroethane	< 0.61	0.61		ug/m3	1	2/3/2022 8:58:00 PM
1,1-Dichloroethene	< 0.16	0.16		ug/m3	1	2/3/2022 8:58:00 PM
1,2,4-Trichlorobenzene	< 1.1	1.1		ug/m3	1	2/3/2022 8:58:00 PM
1,2,4-Trimethylbenzene	0.54	0.74	J	ug/m3	1	2/3/2022 8:58:00 PM
1,2-Dibromoethane	< 1.2	1.2		ug/m3	1	2/3/2022 8:58:00 PM
1,2-Dichlorobenzene	< 0.90	0.90		ug/m3	1	2/3/2022 8:58:00 PM
1,2-Dichloroethane	< 0.61	0.61		ug/m3	1	2/3/2022 8:58:00 PM
1,2-Dichloropropane	< 0.69	0.69		ug/m3	1	2/3/2022 8:58:00 PM
1,3,5-Trimethylbenzene	< 0.74	0.74		ug/m3	1	2/3/2022 8:58:00 PM
1,3-butadiene	< 0.33	0.33		ug/m3	1	2/3/2022 8:58:00 PM
1,3-Dichlorobenzene	< 0.90	0.90		ug/m3	1	2/3/2022 8:58:00 PM
1,4-Dichlorobenzene	0.66	0.90	J	ug/m3	1	2/3/2022 8:58:00 PM
1,4-Dioxane	< 1.1	1.1		ug/m3	1	2/3/2022 8:58:00 PM
2,2,4-trimethylpentane	0.65	0.70	J	ug/m3	1	2/3/2022 8:58:00 PM
4-ethyltoluene	< 0.74	0.74		ug/m3	1	2/3/2022 8:58:00 PM
Acetone	29	7.1		ug/m3	10	2/4/2022 12:06:00 PM
Allyl chloride	< 0.47	0.47		ug/m3	1	2/3/2022 8:58:00 PM
Benzene	1.3	0.48		ug/m3	1	2/3/2022 8:58:00 PM
Benzyl chloride	< 0.86	0.86		ug/m3	1	2/3/2022 8:58:00 PM
Bromodichloromethane	< 1.0	1.0		ug/m3	1	2/3/2022 8:58:00 PM
Bromoform	< 1.6	1.6		ug/m3	1	2/3/2022 8:58:00 PM
Bromomethane	< 0.58	0.58		ug/m3	1	2/3/2022 8:58:00 PM
Carbon disulfide	< 0.47	0.47		ug/m3	1	2/3/2022 8:58:00 PM
Carbon tetrachloride	0.50	0.19		ug/m3	1	2/3/2022 8:58:00 PM
Chlorobenzene	< 0.69	0.69		ug/m3	1	2/3/2022 8:58:00 PM
Chloroethane	< 0.40	0.40		ug/m3	1	2/3/2022 8:58:00 PM
Chloroform	0.49	0.73	J	ug/m3	1	2/3/2022 8:58:00 PM
Chloromethane	0.99	0.31		ug/m3	1	2/3/2022 8:58:00 PM
cis-1,2-Dichloroethene	< 0.16	0.16		ug/m3	1	2/3/2022 8:58:00 PM
cis-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	2/3/2022 8:58:00 PM
Cyclohexane	< 0.52	0.52		ug/m3	1	2/3/2022 8:58:00 PM
Dibromochloromethane	< 1.3	1.3		ug/m3	1	2/3/2022 8:58:00 PM
Ethyl acetate	0.90	0.54		ug/m3	1	2/3/2022 8:58:00 PM
Ethylbenzene	0.56	0.65	J	ug/m3	1	2/3/2022 8:58:00 PM
Freon 11	1.1	0.84		ug/m3	1	2/3/2022 8:58:00 PM
Freon 113	< 1.1	1.1		ug/m3	1	2/3/2022 8:58:00 PM
Freon 114	< 1.0	1.0		ug/m3	1	2/3/2022 8:58:00 PM

Qualifiers: SC Sub-Contracted
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 JN Non-routine analyte. Quantitation estimated.
 S Spike Recovery outside accepted recovery limits

Results reported are not blank corrected
 E Estimated Value above quantitation range
 J Analyte detected below quantitation limit
 ND Not Detected at the Limit of Detection
 DL Detection Limit

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Centek Laboratories, LLC

Date: 04-Feb-22

CLIENT: Matrix Environmental Technologies, Inc
 Lab Order: C2202013
 Project: Aquino 65-67 Lake Ave
 Lab ID: C2202013-006A

Client Sample ID: A4
 Tag Number: 88,146
 Collection Date: 1/31/2022
 Matrix: AIR

Analyses	Result	DL	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		TO-15		Analyst: RJP		
Freon 12	2.3	0.74		ug/m3	1	2/3/2022 8:58:00 PM
Heptane	1.1	0.61		ug/m3	1	2/3/2022 8:58:00 PM
Hexachloro-1,3-butadiene	< 1.6	1.6		ug/m3	1	2/3/2022 8:58:00 PM
Hexane	1.4	0.53		ug/m3	1	2/3/2022 8:58:00 PM
Isopropyl alcohol	7.4	3.7		ug/m3	10	2/4/2022 12:06:00 PM
m&p-Xylene	1.8	1.3		ug/m3	1	2/3/2022 8:58:00 PM
Methyl Butyl Ketone	< 1.2	1.2		ug/m3	1	2/3/2022 8:58:00 PM
Methyl Ethyl Ketone	0.86	0.88	J	ug/m3	1	2/3/2022 8:58:00 PM
Methyl Isobutyl Ketone	< 1.2	1.2		ug/m3	1	2/3/2022 8:58:00 PM
Methyl tert-butyl ether	< 0.54	0.54		ug/m3	1	2/3/2022 8:58:00 PM
Methylene chloride	0.56	0.52		ug/m3	1	2/3/2022 8:58:00 PM
o-Xylene	0.56	0.65	J	ug/m3	1	2/3/2022 8:58:00 PM
Propylene	< 0.26	0.26		ug/m3	1	2/3/2022 8:58:00 PM
Styrene	< 0.64	0.64		ug/m3	1	2/3/2022 8:58:00 PM
Tetrachloroethylene	0.75	1.0	J	ug/m3	1	2/3/2022 8:58:00 PM
Tetrahydrofuran	< 0.44	0.44		ug/m3	1	2/3/2022 8:58:00 PM
Toluene	4.0	0.57		ug/m3	1	2/3/2022 8:58:00 PM
trans-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	2/3/2022 8:58:00 PM
trans-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	2/3/2022 8:58:00 PM
Trichloroethene	< 0.16	0.16		ug/m3	1	2/3/2022 8:58:00 PM
Vinyl acetate	< 0.53	0.53		ug/m3	1	2/3/2022 8:58:00 PM
Vinyl Bromide	< 0.66	0.66		ug/m3	1	2/3/2022 8:58:00 PM
Vinyl chloride	< 0.10	0.10		ug/m3	1	2/3/2022 8:58:00 PM

Qualifiers: SC Sub-Contracted
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 JN Non-routine analyte. Quantitation estimated.
 S Spike Recovery outside accepted recovery limits

Results reported are not blank corrected
 E Estimated Value above quantitation range
 J Analyte detected below quantitation limit
 ND Not Detected at the Limit of Detection
 DL Detection Limit

Page 12 of 14

Data File : C:\HPCHEM\1\DATA\AT020318.D

Vial: 42

Acq On : 3 Feb 2022 8:58 pm

Operator: RJP

Sample : C2202013-006A

Inst : MSD #1

Misc : A201_1UG

Multiplr: 1.00

MS Integration Params: RTEINT.P

Quant Time: Feb 04 08:24:36 2022

Quant Results File: A201_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A201_1UG.M (RTE Integrator)

Title : TO-15 VOA Standards for 5 point calibration

Last Update : Wed Feb 02 07:40:12 2022

Response via : Initial Calibration

DataAcq Meth : 1UG_ENT

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	9.72	128	36427	1.00	ppb	-0.03
35) 1,4-difluorobenzene	12.02	114	152645	1.00	ppb	-0.02
50) Chlorobenzene-d5	16.85	117	137506	1.00	ppb	-0.02

System Monitoring Compounds

65) Bromofluorobenzene	18.64	95	94996	0.94	ppb	-0.02
Spiked Amount	1.000	Range	70 - 130	Recovery	=	94.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Freon 12	4.15	85	118417	0.47	ppb	100
4) Chloromethane	4.34	50	29884	0.48	ppb	93
14) Freon 11	5.77	101	55625	0.20	ppb	94
15) Acetone	5.92	58	203307	7.86	ppb	# 1
17) Isopropyl alcohol	6.03	45	196419	2.47	ppb	# 1
21) Methylene chloride	6.99	84	8158	0.16	ppb	# 83
28) Methyl Ethyl Ketone	8.83	72	6572	0.29	ppb	# 100
30) Hexane	8.88	57	24713	0.39	ppb	88
31) Ethyl acetate	9.43	43	26693	0.25	ppb	93
32) Chloroform	9.89	83	15827	0.10	ppb	97
38) Carbon tetrachloride	11.35	117	16897	0.08	ppb	97
39) Benzene	11.32	78	56658	0.40	ppb	93
42) 2,2,4-trimethylpentane	12.19	57	26274	0.14	ppb	83
43) Heptane	12.55	43	16272	0.26	ppb	86
51) Toluene	14.80	92	114591	1.07	ppb	99
56) Tetrachloroethylene	15.87	164	9473	0.11	ppb	93
58) Ethylbenzene	17.17	91	31444	0.13	ppb	98
59) m&p-xylene	17.36	91	88794	0.42	ppb	96
63) o-xylene	17.90	91	30043	0.13	ppb	97
71) 1,2,4-trimethylbenzene	19.90	105	26181	0.11	ppb	94
74) 1,4-dichlorobenzene	20.39	146	17800	0.11	ppb	96

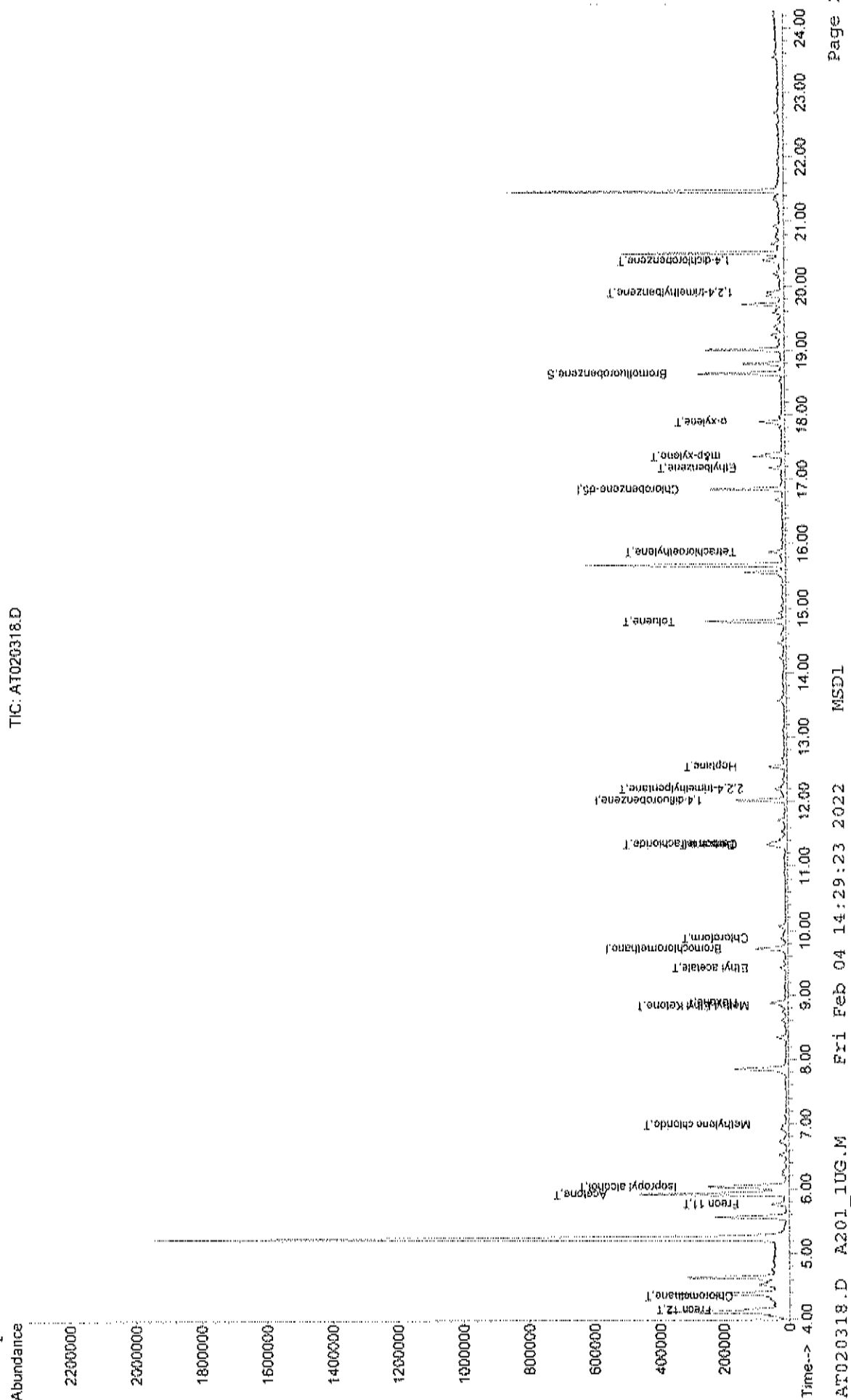
Data File : C:\HPCHEM\1\DATA\AT020318.D
Acq On : 3 Feb 2022 8:58 pm
Sample : C2202013-006A
Misc : A201_1UG
MS Integration Params: RTEINT.P
Quant Time: Feb 4 8:42 2022

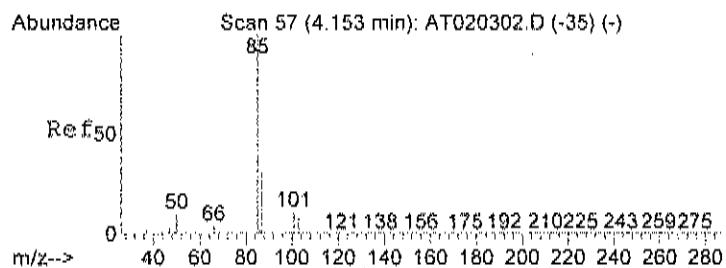
Vial: 42
Operator: RJP
Inst : MSD #1
Multiplr: 1.00

Quant Results File: A201_1UG.RES

Method : C:\HPCHEM\1\METHODS\A201_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Fri Feb 04 14:02:12 2022
Response via : Initial Calibration

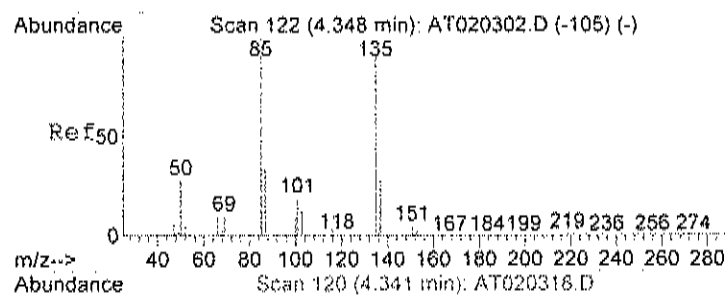
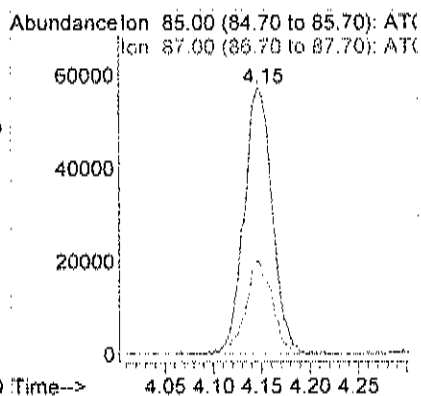
TIC: AT020318.D





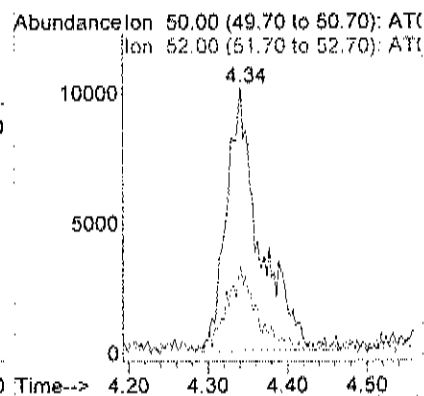
#3
Freon 12
Concen: 0.47 ppb
RT: 4.15 min Scan# 55
Delta R.T. -0.02 min
Lab File: AT020318.D
Acq: 3 Feb 2022 8:58 pm

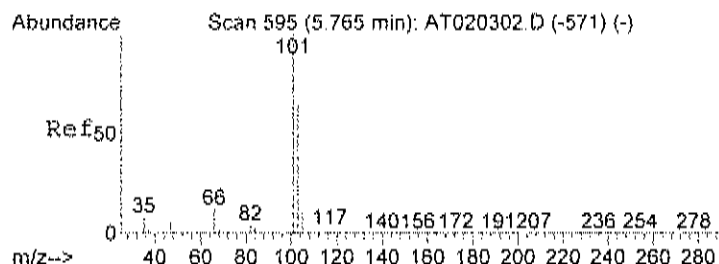
Tgt Ion:	85	Resp:	118417
Ion Ratio	Lower	Upper	
85	100		
87	32.9	12.9	52.9



#4
Chloromethane
Concen: 0.48 ppb
RT: 4.34 min Scan# 120
Delta R.T. -0.02 min
Lab File: AT020318.D
Acq: 3 Feb 2022 8:58 pm

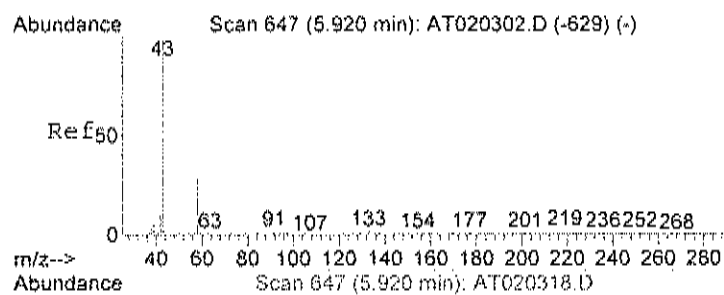
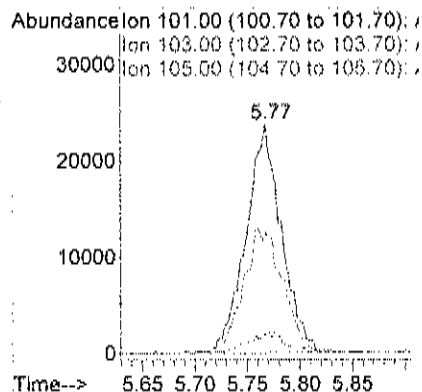
Tgt Ion:	50	Resp:	29884
Ion Ratio	Lower	Upper	
50	100		
52	30.6	6.9	46.9





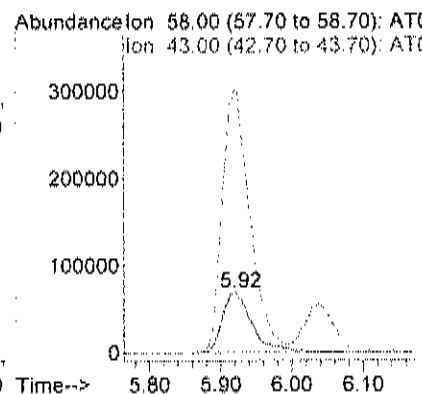
#14
Freon 11
Concen: 0.20 ppb
RT: 5.77 min Scan# 596
Delta R.T. -0.02 min
Lab File: AT020318.D
Acq: 3 Feb 2022 8:58 pm

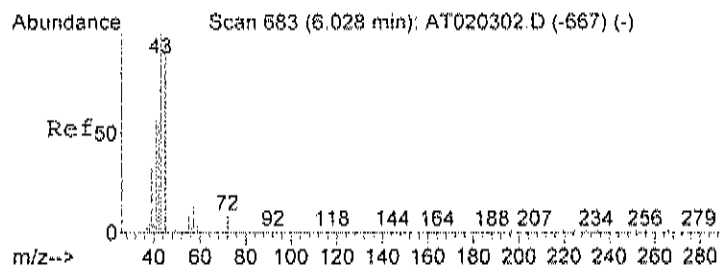
Tgt Ion	101	Resp	55625
Ion	Ratio	Lower	Upper
101	100		
103	60.7	45.9	85.9
105	10.1	0.0	30.8



#15
Acetone
Concen: 7.86 ppb
RT: 5.92 min Scan# 647
Delta R.T. -0.03 min
Lab File: AT020318.D
Acq: 3 Feb 2022 8:58 pm

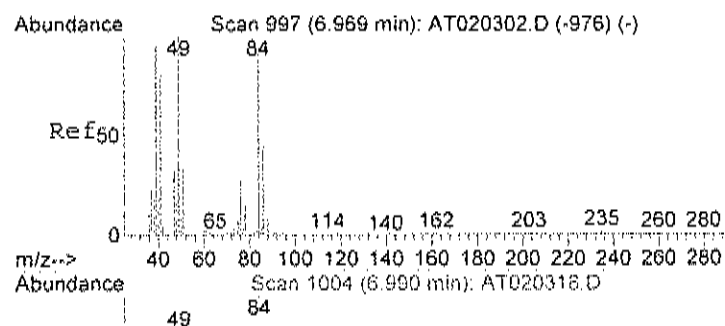
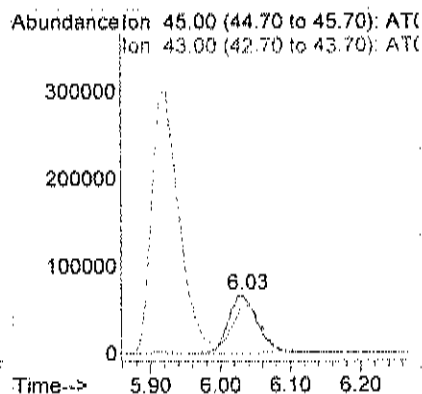
Tgt Ion	58	Resp	203307
Ion	Ratio	Lower	Upper
58	100		
43	479.8	249.9	309.9#





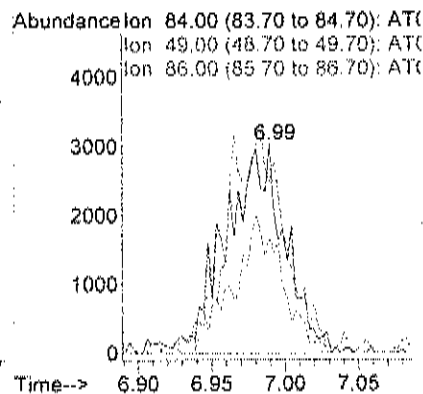
#17
Isopropyl alcohol
Concen: 2.47 ppb
RT: 6.03 min Scan# 684
Delta R.T. -0.03 min
Lab File: AT020318.D
Acq: 3 Feb 2022 8:58 pm

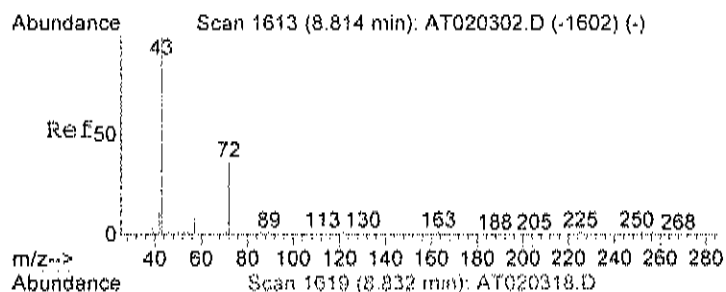
Tgt Ion	Resp	Ion	Ratio	Lower	Upper
45	196419	45	100		
43		43	0.0	109.1	149.1#



#21
Methylene chloride
Concen: 0.16 ppb
RT: 6.99 min Scan# 1004
Delta R.T. -0.01 min
Lab File: AT020318.D
Acq: 3 Feb 2022 8:58 pm

Tgt Ion	Resp	Ion	Ratio	Lower	Upper
84	8158	84	100		
49		49	93.9	96.8	136.8#
86		86	56.7	45.5	85.5





#28
Methyl Ethyl Ketone
Concen: 0.29 ppb
RT: 8.83 min Scan# 1619
Delta R.T. -0.02 min
Lab File: AT020318.D
Acq: 3 Feb 2022 8:58 pm

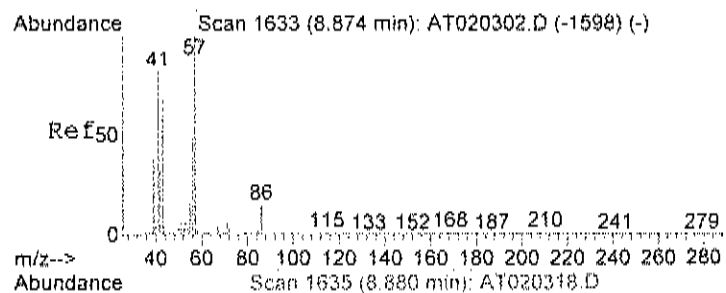
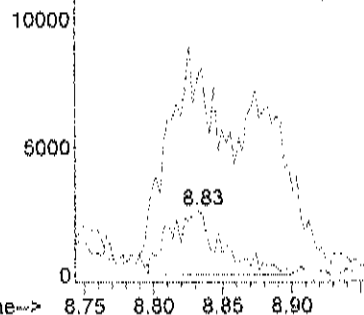
Tgt Ion	Resp	Ion	Ratio	Lower	Upper
72	6572	72	100		
43		43	577.7	0.0	20.0#
72		72	100.0	80.0	120.0

Abundance

Ion 72.00 (71.70 to 72.70): AT0

Ion 43.00 (42.70 to 43.70): AT0

Ion 72.00 (71.70 to 72.70): AT0



#30
Hexane
Concen: 0.39 ppb
RT: 8.88 min Scan# 1635
Delta R.T. -0.03 min
Lab File: AT020318.D
Acq: 3 Feb 2022 8:58 pm

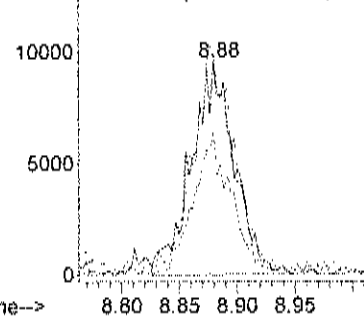
Tgt Ion	Resp	Ion	Ratio	Lower	Upper
57	24713	57	100		
41		41	95.0	61.2	101.2
56		56	59.4	34.3	74.3

Abundance

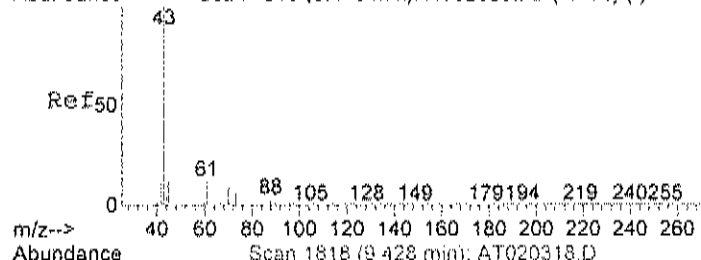
Ion 57.00 (56.70 to 57.70): AT0

Ion 41.00 (40.70 to 41.70): AT0

Ion 56.00 (55.70 to 56.70): AT0



Abundance Scan 1815 (9.419 min): AT020302.D (-1793) (-)



#31

Ethyl acetate

Concen: 0.25 ppb

RT: 9.43 min Scan# 1818

Delta R.T. -0.02 min

Lab File: AT020318.D

Acq: 3 Feb 2022 8:58 pm

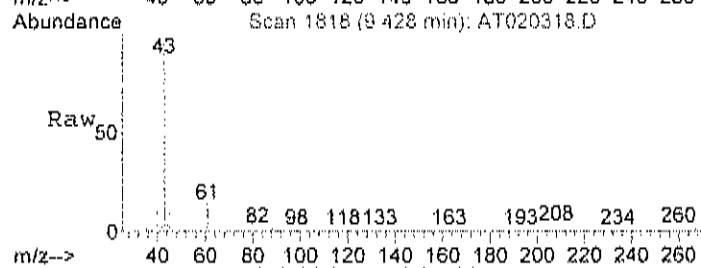
Tgt Ion: 43 Resp: 26693

Ion Ratio Lower Upper

43 100

45 11.8 0.0 35.4

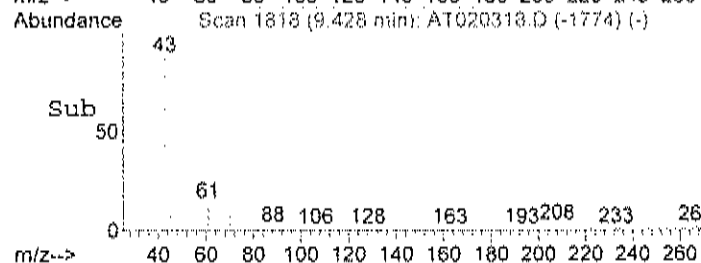
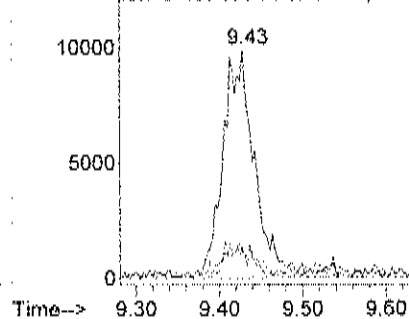
61 13.9 0.0 35.8



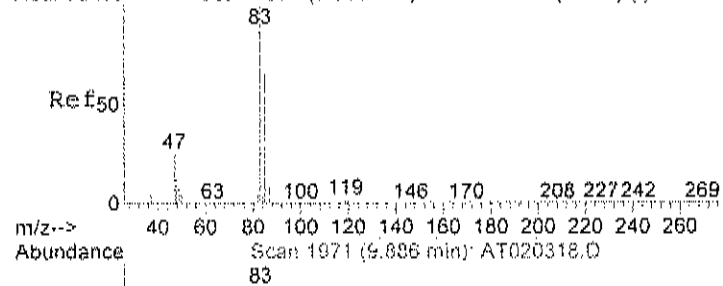
Abundance Ion 43.00 (42.70 to 43.70): AT(

Ion 45.00 (44.70 to 45.70): AT(

Ion 61.00 (60.70 to 61.70): AT(



Abundance Scan 1971 (9.886 min): AT020302.D (-1945) (-)



#32

Chloroform

Concen: 0.10 ppb

RT: 9.89 min Scan# 1971

Delta R.T. -0.02 min

Lab File: AT020318.D

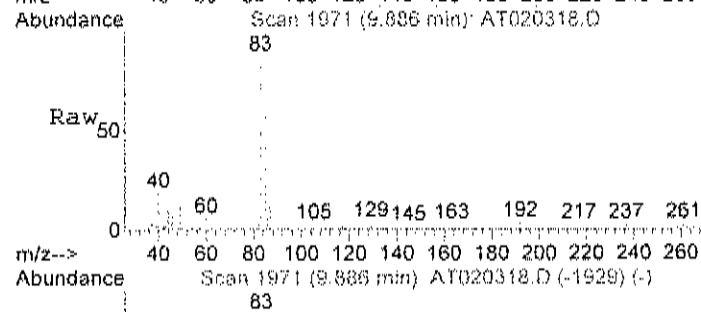
Acq: 3 Feb 2022 8:58 pm

Tgt Ion: 83 Resp: 15827

Ion Ratio Lower Upper

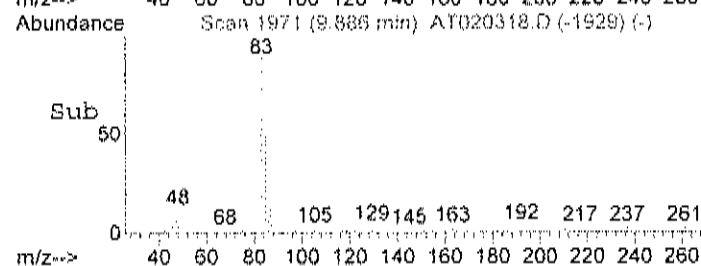
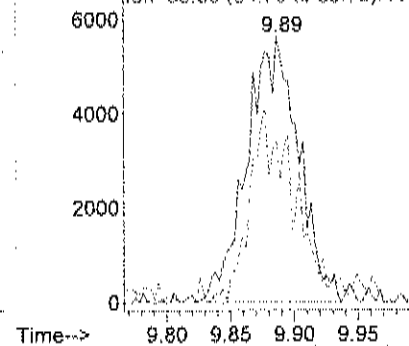
83 100

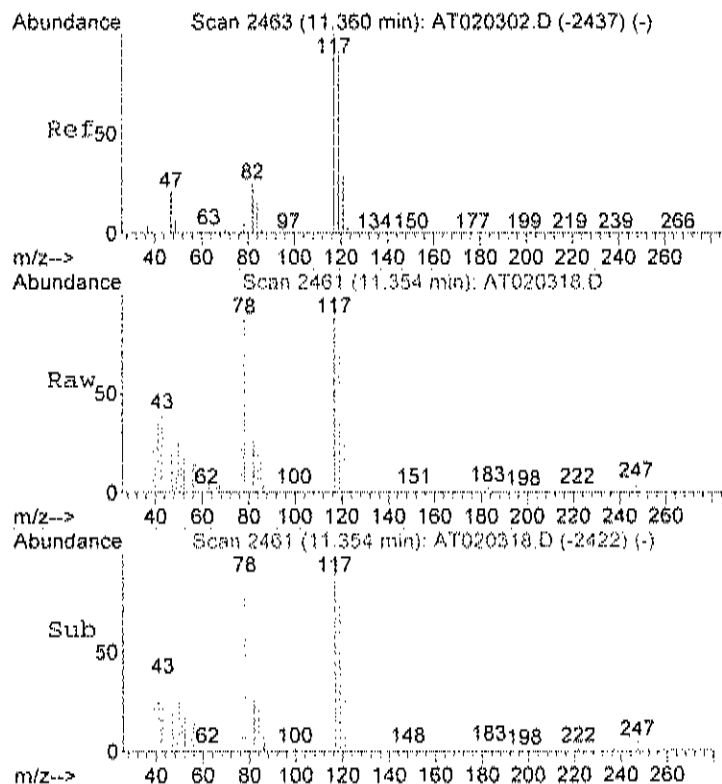
85 63.2 45.3 85.3



Abundance Ion 83.00 (82.70 to 83.70): AT(

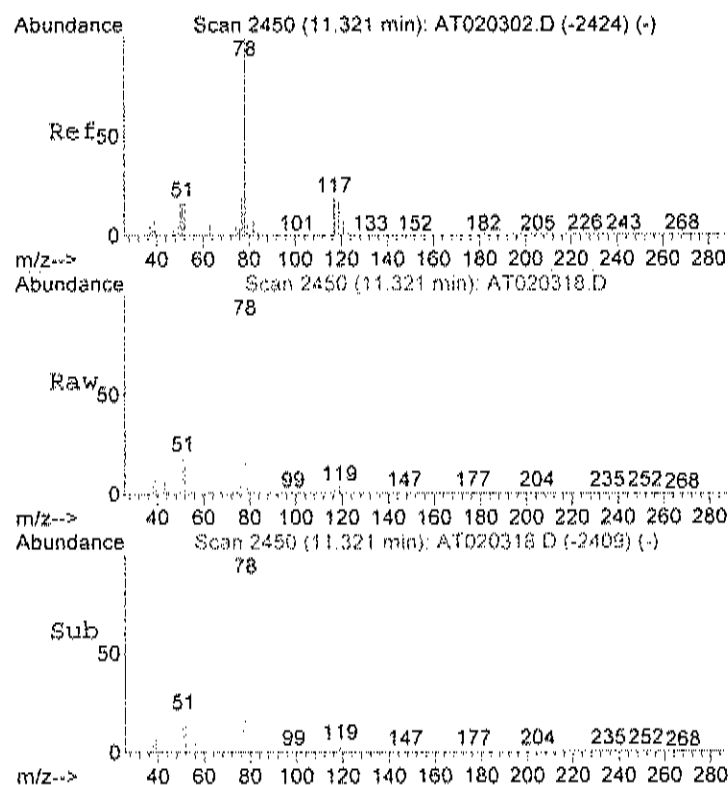
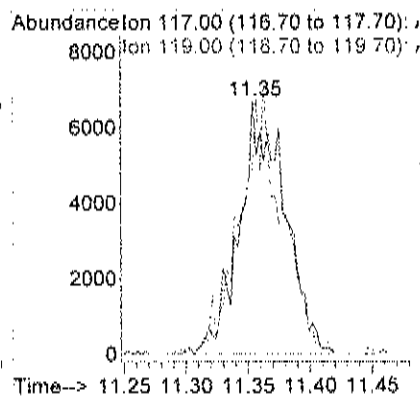
Ion 85.00 (84.70 to 85.70): AT(





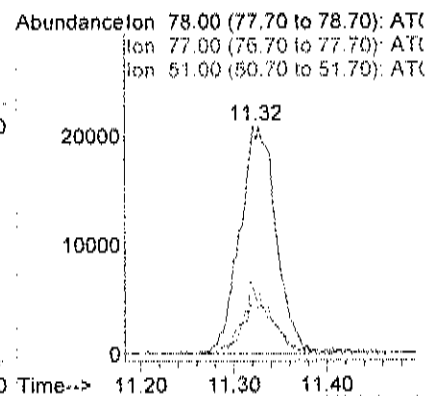
#38
Carbon tetrachloride
Concen: 0.08 ppb
RT: 11.35 min Scan# 2461
Delta R.T. -0.03 min
Lab File: AT020318.D
Acq: 3 Feb 2022 8:58 pm

Tgt Ion: 117 Resp: 16897
Ion Ratio Lower Upper
117 100
119 93.4 76.8 116.8

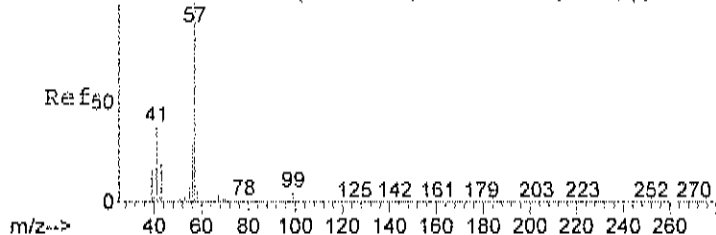


#39
Benzene
Concen: 0.40 ppb
RT: 11.32 min Scan# 2450
Delta R.T. -0.03 min
Lab File: AT020318.D
Acq: 3 Feb 2022 8:58 pm

Tgt Ion: 78 Resp: 56658
Ion Ratio Lower Upper
78 100
77 24.8 3.3 43.3
51 20.9 0.0 35.1



Abundance Scan 2742 (12.196 min): AT020302.D (-2716) (-)



#42

2,2,4-trimethylpentane

Concen: 0.14 ppb

RT: 12.19 min Scan# 2741

Delta R.T. -0.02 min

Lab File: AT020318.D

Acq: 3 Feb 2022 8:58 pm

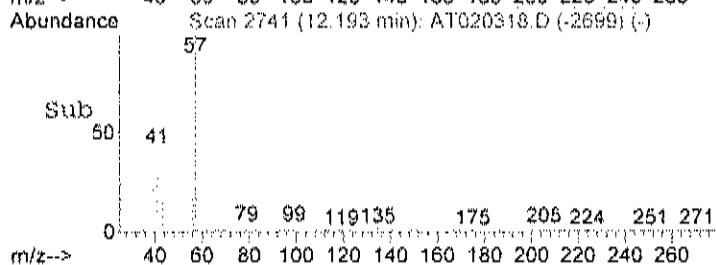
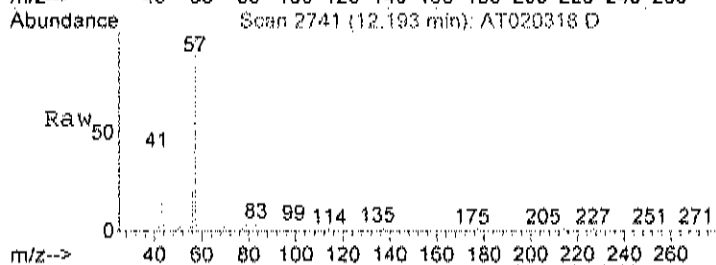
Tgt Ion: 57 Resp: 26274

Ion Ratio Lower Upper

57 100

41 47.0 12.0 52.0

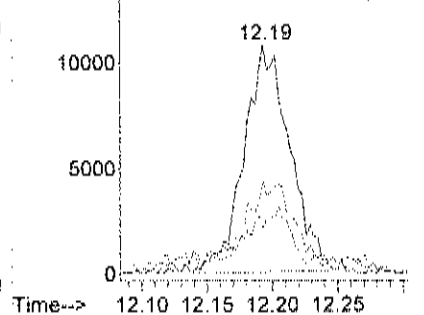
56 37.3 13.4 53.4



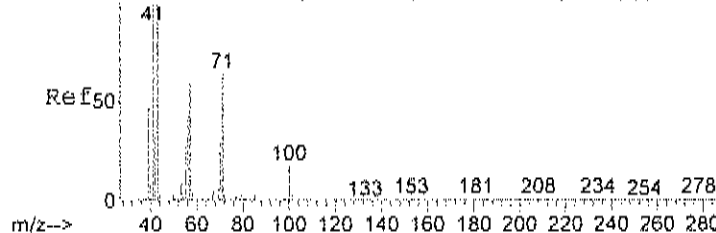
Abundance Ion 57.00 (56.70 to 57.70): AT(

Ion 41.00 (40.70 to 41.70): AT(

Ion 56.00 (55.70 to 56.70): AT(



Abundance Scan 2859 (12.547 min): AT020302.D (-2841) (-)



#43

Heptane

Concen: 0.26 ppb

RT: 12.55 min Scan# 2860

Delta R.T. -0.02 min

Lab File: AT020318.D

Acq: 3 Feb 2022 8:58 pm

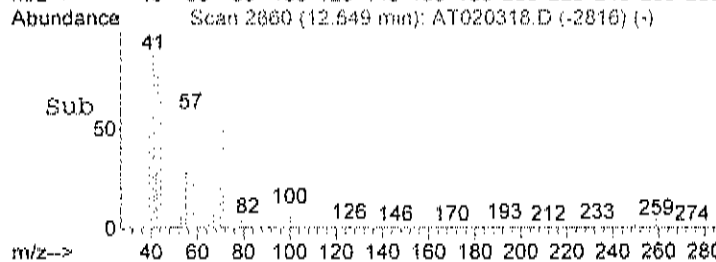
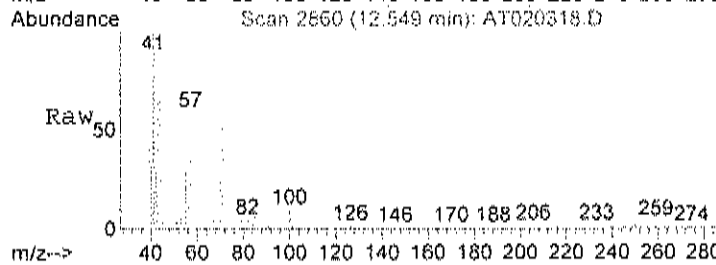
Tgt Ion: 43 Resp: 16272

Ion Ratio Lower Upper

43 100

57 68.9 37.9 77.9

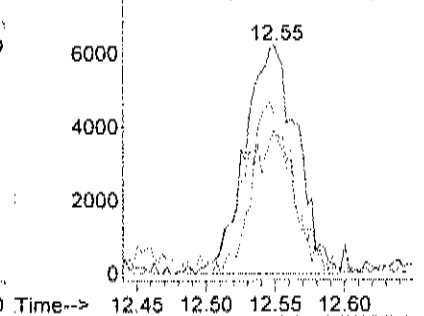
71 52.5 43.1 83.1

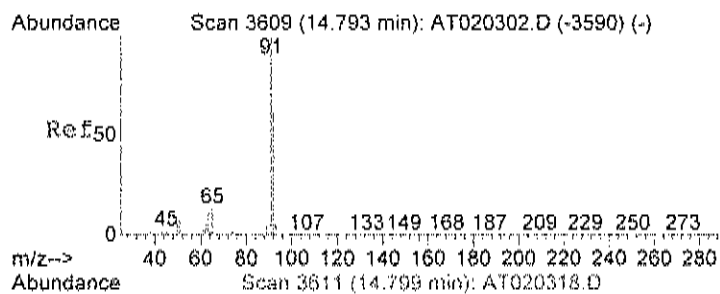


Abundance Ion 43.00 (42.70 to 43.70): AT(

Ion 57.00 (56.70 to 57.70): AT(

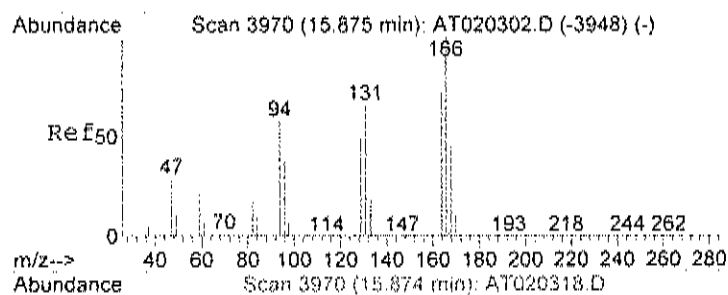
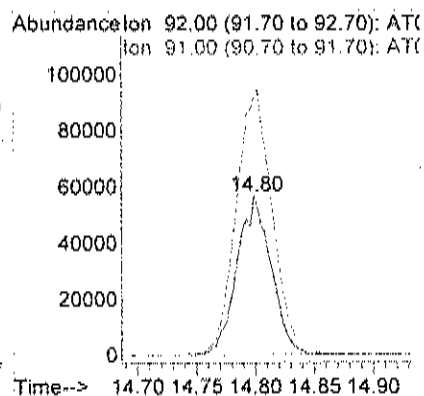
Ion 71.00 (70.70 to 71.70): AT(





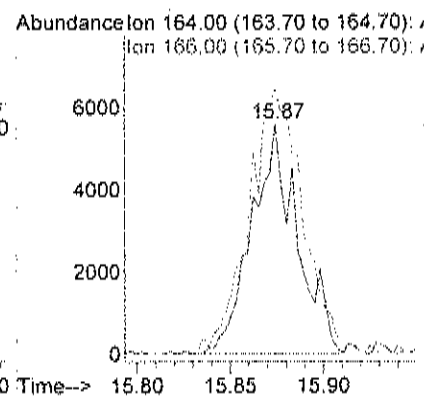
#51
Toluene
Concen: 1.07 ppb
RT: 14.80 min Scan# 3611
Delta R.T. -0.02 min
Lab File: AT020318.D
Acq: 3 Feb 2022 8:58 pm

Tgt Ion: 92 Resp: 114591
Ion Ratio Lower Upper
92 100
91 174.3 155.2 195.2

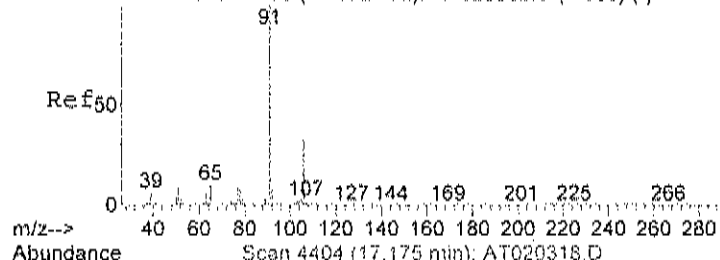


#56
Tetrachloroethylene
Concen: 0.11 ppb
RT: 15.87 min Scan# 3970
Delta R.T. -0.02 min
Lab File: AT020318.D
Acq: 3 Feb 2022 8:58 pm

Tgt Ion: 164 Resp: 9473
Ion Ratio Lower Upper
164 100
166 137.1 108.8 148.8



Abundance Scan 4403 (17.172 min): AT020302.D (-4385) (-)



#58

Ethylbenzene

Concen: 0.13 ppb

RT: 17.17 min Scan# 4404

Delta R.T. -0.02 min

Lab File: AT020318.D

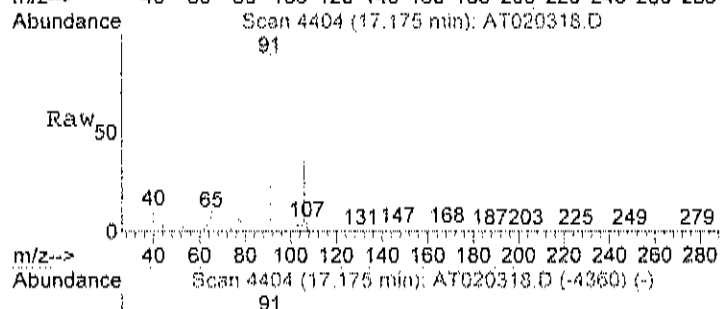
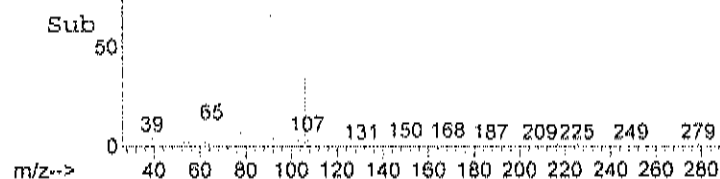
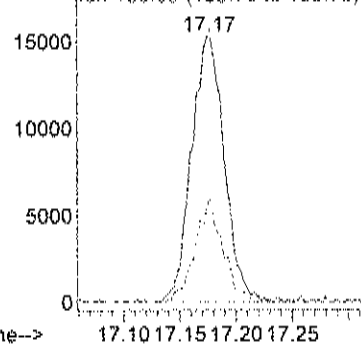
Acq: 3 Feb 2022 8:58 pm

Tgt Ion: 91 Resp: 31444

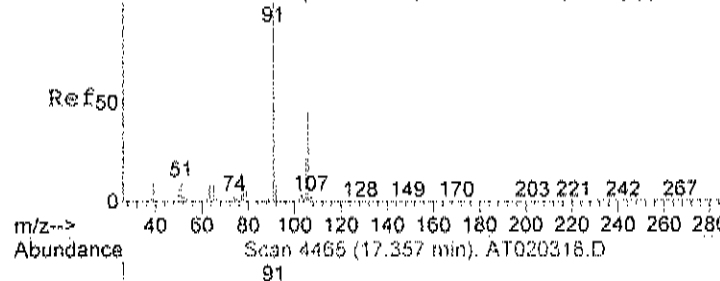
Ion Ratio Lower Upper

91 100

106 32.9 11.7 51.7

Abundance Ion 91.00 (90.70 to 91.70): AT020318.D
Ion 106.00 (105.70 to 106.70):

Abundance Scan 4475 (17.387 min): AT020302.D (-4449) (-)



#59

m&p-xylene

Concen: 0.42 ppb

RT: 17.36 min Scan# 4465

Delta R.T. -0.05 min

Lab File: AT020318.D

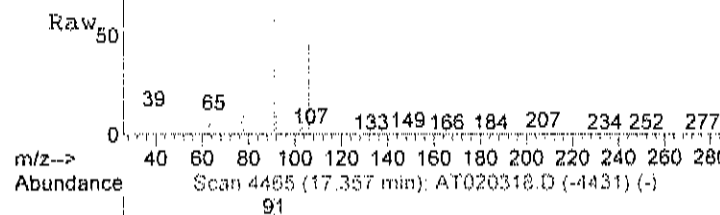
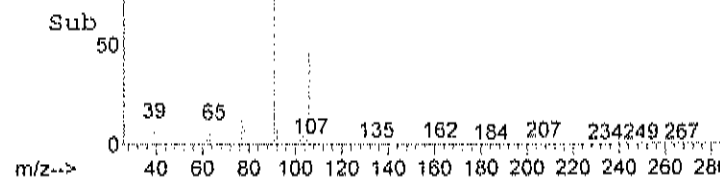
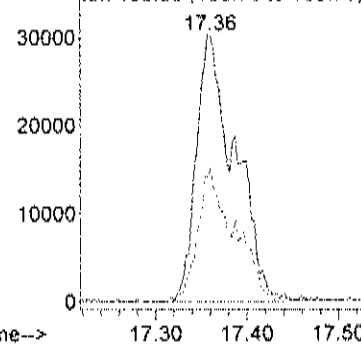
Acq: 3 Feb 2022 8:58 pm

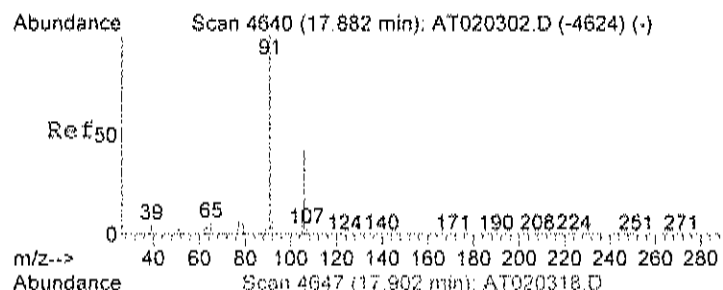
Tgt Ion: 91 Resp: 88794

Ion Ratio Lower Upper

91 100

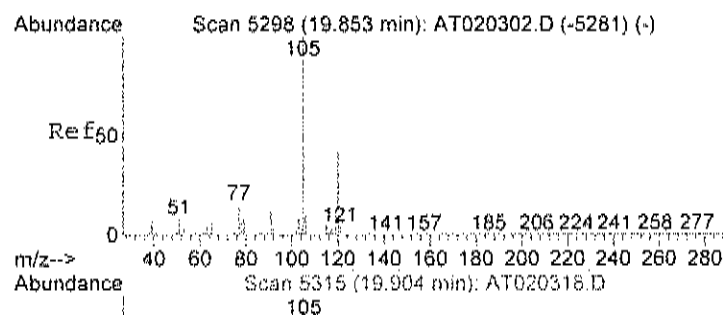
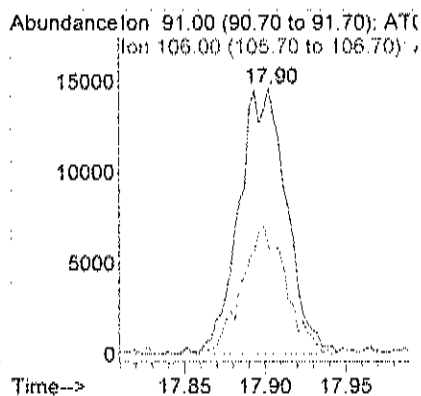
106 46.7 29.7 69.7

Abundance Ion 91.00 (90.70 to 91.70): AT020318.D
Ion 106.00 (105.70 to 106.70):



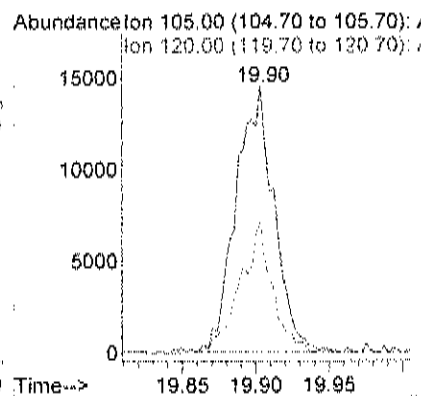
#63
o-xylene
Concen: 0.13 ppb
RT: 17.90 min Scan# 4647
Delta R.T. -0.01 min
Lab File: AT020318.D
Acq: 3 Feb 2022 8:58 pm

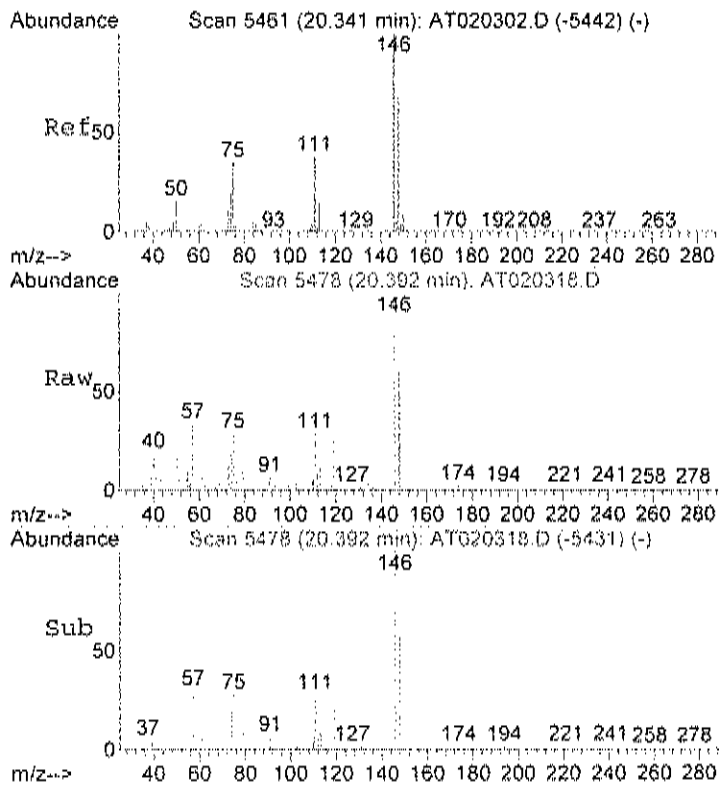
Tgt Ion: 91 Resp: 30043
Ion Ratio Lower Upper
91 100
106 45.4 27.3 67.3



#71
1,2,4-trimethylbenzene
Concen: 0.11 ppb
RT: 19.90 min Scan# 5315
Delta R.T. -0.01 min
Lab File: AT020318.D
Acq: 3 Feb 2022 8:58 pm

Tgt Ion: 105 Resp: 26181
Ion Ratio Lower Upper
105 100
120 42.0 25.8 65.8





#74

1,4-dichlorobenzene

Concen: 0.11 ppb

RT: 20.39 min Scan# 5478

Delta R.T. -0.01 min

Lab File: AT020318.D

Acq: 3 Feb 2022 8:58 pm

Tgt Ion: 146 Resp: 17800

Ion Ratio Lower Upper

146 100

148 62.1 40.0 80.0

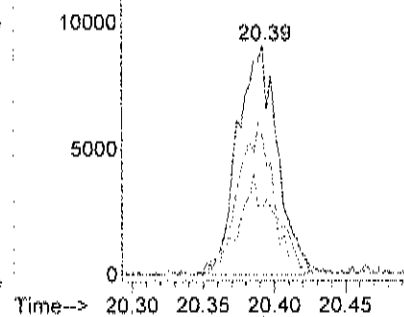
111 38.1 15.0 55.0

Abundance

Ion 146.00 (145.70 to 146.70):

Ion 148.00 (147.70 to 148.70):

Ion 111.00 (110.70 to 111.70):



Data File : C:\HPCHEM\1\DATA\AT020405.D

Vial: 5

Acq On : 4 Feb 2022 12:06 pm

Operator: RJP

Sample : C2202013-006A 10X

Inst : MSD #1

Misc : A201_1UG

Multiplier: 1.00

MS Integration Params: RTEINT.P

Quant Time: Feb 04 13:02:54 2022

Quant Results File: A201_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A201_1UG.M (RTE Integrator)

Title : TO-15 VOA Standards for 5 point calibration

Last Update : Wed Feb 02 07:40:12 2022

Response via : Initial Calibration

DataAcq Meth : 1UG_ENT

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	9.74	128	27900	1.00	ppb	-0.01
35) 1,4-difluorobenzene	12.03	114	113880	1.00	ppb	-0.01
50) Chlorobenzene-d5	16.85	117	102425	1.00	ppb	0.00

System Monitoring Compounds

65) Bromofluorobenzene	18.65	95	62138	0.82	ppb	0.00
Spiked Amount	1.000	Range	70 - 130	Recovery	=	82.00%

Target Compounds

						Qvalue
15) Acetone	5.93	58	24354	1.23	ppb	# 43
17) Isopropyl alcohol	6.04	45	17958	0.30	ppb	# 1

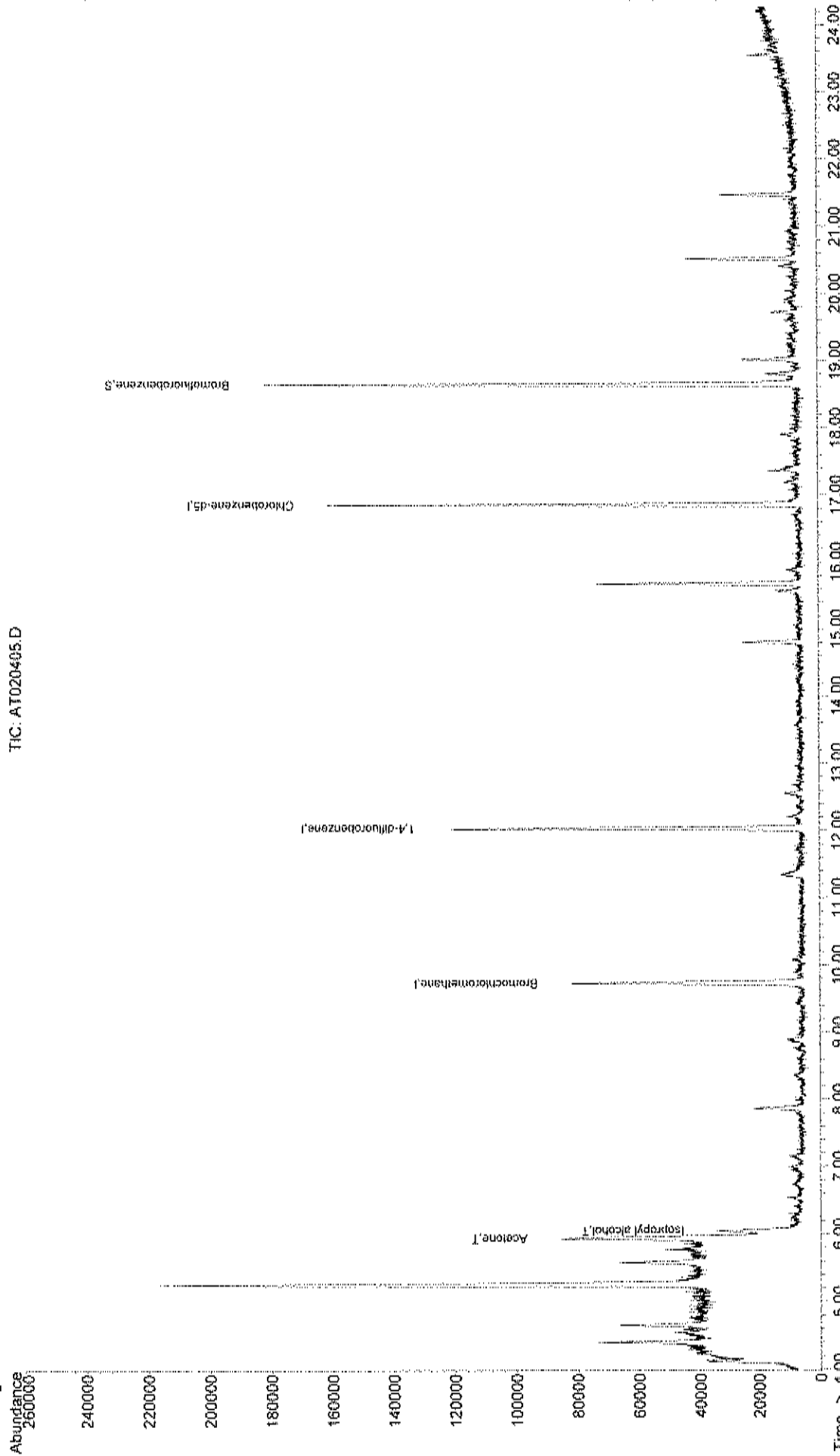
Data File : C:\HPCHEM\1\DATA\AT020405.D
 Acq On : 4 Feb 2022 12:06 pm
 Sample : C2202013-006A 10X
 Misc : A201_IUG
 MS Integration Params: RTEINT.P
 Quant Time: Feb 4 13:03 2022

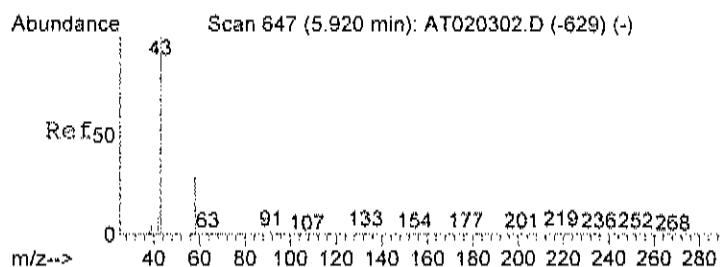
Vial: 5
 Operator: RJP
 Inst : MSD #1
 Multiplr: 1.00

Quant Results File: A201_IUG.RES

Method : C:\HPCHEM\1\METHODS\A201_IUG.M (RTE Integration)
 Title : TO-15 VOA Standards for 5 point calibration
 Last Update : Fri Feb 04 14:02:12 2022
 Response via : Initial Calibration

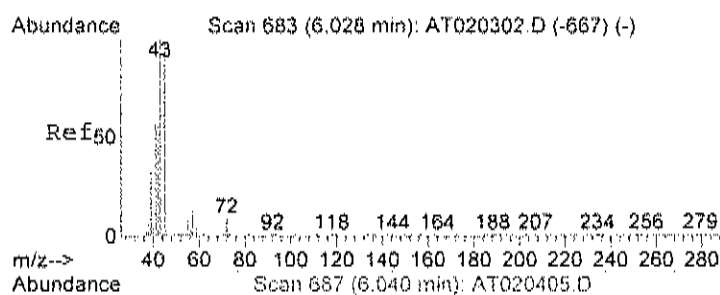
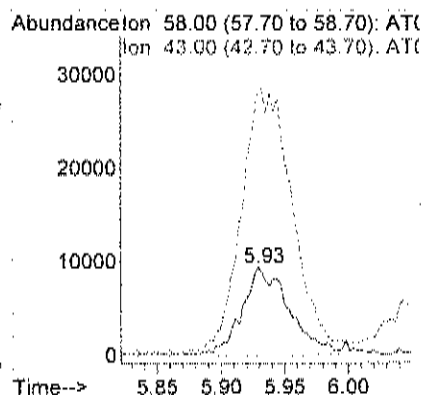
TIC: AT020405.D





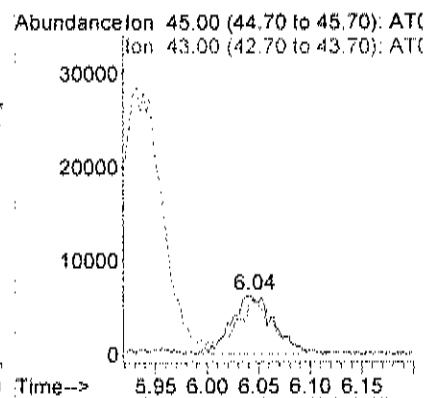
#15
Acetone
Concen: 1.23 ppb
RT: 5.93 min Scan# 650
Delta R.T. -0.02 min
Lab File: AT020405.D
Acq: 4 Feb 2022 12:06 pm

Tgt Ion: 58 Resp: 24354
Ion Ratio Lower Upper
58 100
43 386.3 249.9 309.9#



#17
Isopropyl alcohol
Concen: 0.30 ppb
RT: 6.04 min Scan# 687
Delta R.T. -0.02 min
Lab File: AT020405.D
Acq: 4 Feb 2022 12:06 pm

Tgt Ion: 45 Resp: 17958
Ion Ratio Lower Upper
45 100
43 0.0 109.1 149.1#



Centek Laboratories, LLC

Date: 04-Feb-22

CLIENT: Matrix Environmental Technologies, Inc
 Lab Order: C2202013
 Project: Aquino 65-67 Lake Ave
 Lab ID: C2202013-007A

Client Sample ID: A4 Dupe
 Tag Number: 98,146
 Collection Date: 1/31/2022
 Matrix: AIR

Analyses	Result	DL	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		FLD				Analyst:
Lab Vacuum In	-1			"Hg		2/3/2022
Lab Vacuum Out	-30			"Hg		2/3/2022
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		TO-15				Analyst: RJP
1,1,1-Trichloroethane	< 0.15	0.15		ppbV	1	2/3/2022 9:42:00 PM
1,1,2,2-Tetrachloroethane	< 0.15	0.15		ppbV	1	2/3/2022 9:42:00 PM
1,1,2-Trichloroethane	< 0.15	0.15		ppbV	1	2/3/2022 9:42:00 PM
1,1-Dichloroethane	< 0.15	0.15		ppbV	1	2/3/2022 9:42:00 PM
1,1-Dichloroethene	< 0.040	0.040		ppbV	1	2/3/2022 9:42:00 PM
1,2,4-Trichlorobenzene	< 0.15	0.15		ppbV	1	2/3/2022 9:42:00 PM
1,2,4-Trimethylbenzene	0.11	0.15	J	ppbV	1	2/3/2022 9:42:00 PM
1,2-Dibromoethane	< 0.15	0.15		ppbV	1	2/3/2022 9:42:00 PM
1,2-Dichlorobenzene	< 0.15	0.15		ppbV	1	2/3/2022 9:42:00 PM
1,2-Dichloroethane	< 0.15	0.15		ppbV	1	2/3/2022 9:42:00 PM
1,2-Dichloropropane	< 0.15	0.15		ppbV	1	2/3/2022 9:42:00 PM
1,3,5-Trimethylbenzene	< 0.15	0.15		ppbV	1	2/3/2022 9:42:00 PM
1,3-butadiene	< 0.15	0.15		ppbV	1	2/3/2022 9:42:00 PM
1,3-Dichlorobenzene	< 0.15	0.15		ppbV	1	2/3/2022 9:42:00 PM
1,4-Dichlorobenzene	< 0.15	0.15		ppbV	1	2/3/2022 9:42:00 PM
1,4-Dioxane	< 0.30	0.30		ppbV	1	2/3/2022 9:42:00 PM
2,2,4-trimethylpentane	0.13	0.15	J	ppbV	1	2/3/2022 9:42:00 PM
4-ethyltoluene	< 0.15	0.15		ppbV	1	2/3/2022 9:42:00 PM
Acetone	11	3.0		ppbV	10	2/4/2022 12:49:00 PM
Allyl chloride	< 0.15	0.15		ppbV	1	2/3/2022 9:42:00 PM
Benzene	0.38	0.15		ppbV	1	2/3/2022 9:42:00 PM
Benzyl chloride	< 0.15	0.15		ppbV	1	2/3/2022 9:42:00 PM
Bromodichloromethane	< 0.15	0.15		ppbV	1	2/3/2022 9:42:00 PM
Bromoform	< 0.15	0.15		ppbV	1	2/3/2022 9:42:00 PM
Bromomethane	< 0.15	0.15		ppbV	1	2/3/2022 9:42:00 PM
Carbon disulfide	< 0.15	0.15		ppbV	1	2/3/2022 9:42:00 PM
Carbon tetrachloride	0.080	0.030		ppbV	1	2/3/2022 9:42:00 PM
Chlorobenzene	< 0.15	0.15		ppbV	1	2/3/2022 9:42:00 PM
Chloroethane	< 0.15	0.15		ppbV	1	2/3/2022 9:42:00 PM
Chloroform	0.10	0.15	J	ppbV	1	2/3/2022 9:42:00 PM
Chloromethane	0.50	0.15		ppbV	1	2/3/2022 9:42:00 PM
cis-1,2-Dichloroethene	< 0.040	0.040		ppbV	1	2/3/2022 9:42:00 PM
cis-1,3-Dichloropropene	< 0.15	0.15		ppbV	1	2/3/2022 9:42:00 PM
Cyclohexane	< 0.15	0.15		ppbV	1	2/3/2022 9:42:00 PM
Dibromochloromethane	< 0.15	0.15		ppbV	1	2/3/2022 9:42:00 PM
Ethyl acetate	0.21	0.15		ppbV	1	2/3/2022 9:42:00 PM

Qualifiers: SC Sub-Contracted
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 JN Non-routine analyte. Quantitation estimated.
 S Spike Recovery outside accepted recovery limits

Results reported are not blank corrected
 E Estimated Value above quantitation range
 J Analyte detected below quantitation limit
 ND Not Detected at the Limit of Detection
 DL Detection Limit

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Centek Laboratories, LLC

Date: 04-Feb-22

CLIENT: Matrix Environmental Technologies, Inc
 Lab Order: C2202013
 Project: Aquino 65-67 Lake Ave
 Lab ID: C2202013-007A

Client Sample ID: A4 Dupe
 Tag Number: 98,146
 Collection Date: 1/31/2022
 Matrix: AIR

Analyses	Result	DL	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		TO-15		Analyst: RJP		
Ethylbenzene	0.12	0.15	J	ppbV	1	2/3/2022 9:42:00 PM
Freon 11	0.23	0.15		ppbV	1	2/3/2022 9:42:00 PM
Freon 113	< 0.15	0.15		ppbV	1	2/3/2022 9:42:00 PM
Freon 114	< 0.15	0.15		ppbV	1	2/3/2022 9:42:00 PM
Freon 12	0.47	0.15		ppbV	1	2/3/2022 9:42:00 PM
Heptane	0.24	0.15		ppbV	1	2/3/2022 9:42:00 PM
Hexachloro-1,3-butadiene	< 0.15	0.15		ppbV	1	2/3/2022 9:42:00 PM
Hexane	0.37	0.15		ppbV	1	2/3/2022 9:42:00 PM
Isopropyl alcohol	2.6	1.5		ppbV	10	2/4/2022 12:49:00 PM
m&p-Xylene	0.36	0.30		ppbV	1	2/3/2022 9:42:00 PM
Methyl Butyl Ketone	< 0.30	0.30		ppbV	1	2/3/2022 9:42:00 PM
Methyl Ethyl Ketone	0.30	0.30		ppbV	1	2/3/2022 9:42:00 PM
Methyl Isobutyl Ketone	< 0.30	0.30		ppbV	1	2/3/2022 9:42:00 PM
Methyl tert-butyl ether	< 0.15	0.15		ppbV	1	2/3/2022 9:42:00 PM
Methylene chloride	0.16	0.15		ppbV	1	2/3/2022 9:42:00 PM
o-Xylene	0.13	0.15	J	ppbV	1	2/3/2022 9:42:00 PM
Propylene	< 0.15	0.15		ppbV	1	2/3/2022 9:42:00 PM
Styrene	< 0.15	0.15		ppbV	1	2/3/2022 9:42:00 PM
Tetrachloroethylene	0.12	0.15	J	ppbV	1	2/3/2022 9:42:00 PM
Tetrahydrofuran	< 0.15	0.15		ppbV	1	2/3/2022 9:42:00 PM
Toluene	0.93	0.15		ppbV	1	2/3/2022 9:42:00 PM
trans-1,2-Dichloroethene	< 0.15	0.15		ppbV	1	2/3/2022 9:42:00 PM
trans-1,3-Dichloropropene	< 0.15	0.15		ppbV	1	2/3/2022 9:42:00 PM
Trichloroethene	< 0.030	0.030		ppbV	1	2/3/2022 9:42:00 PM
Vinyl acetate	< 0.15	0.15		ppbV	1	2/3/2022 9:42:00 PM
Vinyl Bromide	< 0.15	0.15		ppbV	1	2/3/2022 9:42:00 PM
Vinyl chloride	< 0.040	0.040		ppbV	1	2/3/2022 9:42:00 PM
Surr: Bromofluorobenzene	93.0	47-124		%REC	1	2/3/2022 9:42:00 PM

Qualifiers: SC Sub-Contracted
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 IN Non-routine analyte. Quantitation estimated.
 S Spike Recovery outside accepted recovery limits

. Results reported are not blank corrected
 E Estimated Value above quantitation range
 J Analyte detected below quantitation limit
 ND Not Detected at the Limit of Detection
 DL Detection Limit

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Centek Laboratories, LLC

Date: 04-Feb-22

CLIENT: Matrix Environmental Technologies, Inc
 Lab Order: C2202013
 Project: Aquino 65-67 Lake Ave
 Lab ID: C2202013-007A

Client Sample ID: A4 Dupe
 Tag Number: 98,146
 Collection Date: 1/31/2022
 Matrix: AIR

Analyses	Result	DL	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		TO-15		Analyst: RJP		
1,1,1-Trichloroethane	< 0.82	0.82		ug/m3	1	2/3/2022 9:42:00 PM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		ug/m3	1	2/3/2022 9:42:00 PM
1,1,2-Trichloroethane	< 0.82	0.82		ug/m3	1	2/3/2022 9:42:00 PM
1,1-Dichloroethane	< 0.61	0.61		ug/m3	1	2/3/2022 9:42:00 PM
1,1-Dichloroethane	< 0.16	0.16		ug/m3	1	2/3/2022 9:42:00 PM
1,2,4-Trichlorobenzene	< 1.1	1.1		ug/m3	1	2/3/2022 9:42:00 PM
1,2,4-Trimethylbenzene	0.54	0.74	J	ug/m3	1	2/3/2022 9:42:00 PM
1,2-Dibromoethane	< 1.2	1.2		ug/m3	1	2/3/2022 9:42:00 PM
1,2-Dichlorobenzene	< 0.90	0.90		ug/m3	1	2/3/2022 9:42:00 PM
1,2-Dichloroethane	< 0.61	0.61		ug/m3	1	2/3/2022 9:42:00 PM
1,2-Dichloropropane	< 0.69	0.69		ug/m3	1	2/3/2022 9:42:00 PM
1,3,5-Trimethylbenzene	< 0.74	0.74		ug/m3	1	2/3/2022 9:42:00 PM
1,3-butadiene	< 0.33	0.33		ug/m3	1	2/3/2022 9:42:00 PM
1,3-Dichlorobenzene	< 0.90	0.90		ug/m3	1	2/3/2022 9:42:00 PM
1,4-Dichlorobenzene	< 0.90	0.90		ug/m3	1	2/3/2022 9:42:00 PM
1,4-Dioxane	< 1.1	1.1		ug/m3	1	2/3/2022 9:42:00 PM
2,2,4-trimethylpentane	0.61	0.70	J	ug/m3	1	2/3/2022 9:42:00 PM
4-ethyltoluene	< 0.74	0.74		ug/m3	1	2/3/2022 9:42:00 PM
Acetone	25	7.1		ug/m3	10	2/4/2022 12:49:00 PM
Allyl chloride	< 0.47	0.47		ug/m3	1	2/3/2022 9:42:00 PM
Benzene	1.2	0.48		ug/m3	1	2/3/2022 9:42:00 PM
Benzyl chloride	< 0.86	0.86		ug/m3	1	2/3/2022 9:42:00 PM
Bromodichloromethane	< 1.0	1.0		ug/m3	1	2/3/2022 9:42:00 PM
Bromoform	< 1.6	1.6		ug/m3	1	2/3/2022 9:42:00 PM
Bromomethane	< 0.58	0.58		ug/m3	1	2/3/2022 9:42:00 PM
Carbon disulfide	< 0.47	0.47		ug/m3	1	2/3/2022 9:42:00 PM
Carbon tetrachloride	0.50	0.19		ug/m3	1	2/3/2022 9:42:00 PM
Chlorobenzene	< 0.69	0.69		ug/m3	1	2/3/2022 9:42:00 PM
Chloroethane	< 0.40	0.40		ug/m3	1	2/3/2022 9:42:00 PM
Chloroform	0.49	0.73	J	ug/m3	1	2/3/2022 9:42:00 PM
Chloromethane	1.0	0.31		ug/m3	1	2/3/2022 9:42:00 PM
cis-1,2-Dichloroethene	< 0.16	0.16		ug/m3	1	2/3/2022 9:42:00 PM
cis-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	2/3/2022 9:42:00 PM
Cyclohexane	< 0.52	0.52		ug/m3	1	2/3/2022 9:42:00 PM
Dibromochloromethane	< 1.3	1.3		ug/m3	1	2/3/2022 9:42:00 PM
Ethyl acetate	0.76	0.54		ug/m3	1	2/3/2022 9:42:00 PM
Ethylbenzene	0.52	0.65	J	ug/m3	1	2/3/2022 9:42:00 PM
Freon 11	1.3	0.84		ug/m3	1	2/3/2022 9:42:00 PM
Freon 113	< 1.1	1.1		ug/m3	1	2/3/2022 9:42:00 PM
Freon 114	< 1.0	1.0		ug/m3	1	2/3/2022 9:42:00 PM

Qualifiers: SC Sub-Contracted
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 JN Non-routine analyte. Quantitation estimated.
 S Spike Recovery outside accepted recovery limits

Results reported are not blank corrected
 E Estimated Value above quantitation range
 J Analyte detected below quantitation limit
 ND Not Detected at the Limit of Detection
 DL Detection Limit

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Centek Laboratories, LLC

Date: 04-Feb-22

CLIENT: Matrix Environmental Technologies, Inc
 Lab Order: C2202013
 Project: Aquino 65-67 Lake Ave
 Lab ID: C2202013-007A

Client Sample ID: A4 Dupe
 Tag Number: 98,146
 Collection Date: 1/31/2022
 Matrix: AIR

Analyses	Result	DL	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		TO-15		Analyst: RJP		
Freon 12	2.3	0.74		ug/m3	1	2/3/2022 9:42:00 PM
Heptane	0.98	0.61		ug/m3	1	2/3/2022 9:42:00 PM
Hexachloro-1,3-butadiene	< 1.6	1.6		ug/m3	1	2/3/2022 9:42:00 PM
Hexane	1.3	0.53		ug/m3	1	2/3/2022 9:42:00 PM
Isopropyl alcohol	6.4	3.7		ug/m3	10	2/4/2022 12:49:00 PM
m&p-Xylene	1.6	1.3		ug/m3	1	2/3/2022 9:42:00 PM
Methyl Butyl Ketone	< 1.2	1.2		ug/m3	1	2/3/2022 9:42:00 PM
Methyl Ethyl Ketone	0.88	0.88		ug/m3	1	2/3/2022 9:42:00 PM
Methyl Isobutyl Ketone	< 1.2	1.2		ug/m3	1	2/3/2022 9:42:00 PM
Methyl tert-butyl ether	< 0.54	0.54		ug/m3	1	2/3/2022 9:42:00 PM
Methylene chloride	0.56	0.52		ug/m3	1	2/3/2022 9:42:00 PM
o-Xylene	0.56	0.65	J	ug/m3	1	2/3/2022 9:42:00 PM
Propylene	< 0.26	0.26		ug/m3	1	2/3/2022 9:42:00 PM
Styrene	< 0.64	0.64		ug/m3	1	2/3/2022 9:42:00 PM
Tetrachloroethylene	0.81	1.0	J	ug/m3	1	2/3/2022 9:42:00 PM
Tetrahydrofuran	< 0.44	0.44		ug/m3	1	2/3/2022 9:42:00 PM
Toluene	3.5	0.57		ug/m3	1	2/3/2022 9:42:00 PM
trans-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	2/3/2022 9:42:00 PM
trans-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	2/3/2022 9:42:00 PM
Trichloroethene	< 0.16	0.16		ug/m3	1	2/3/2022 9:42:00 PM
Vinyl acetate	< 0.53	0.53		ug/m3	1	2/3/2022 9:42:00 PM
Vinyl Bromide	< 0.66	0.66		ug/m3	1	2/3/2022 9:42:00 PM
Vinyl chloride	< 0.10	0.10		ug/m3	1	2/3/2022 9:42:00 PM

Qualifiers: SC Sub-Contracted
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 JN Non-routine analyte. Quantitation estimated.
 S Spike Recovery outside accepted recovery limits

, Results reported are not blank corrected
 E Estimated Value above quantitation range
 J Analyte detected below quantitation limit
 ND Not Detected at the Limit of Detection
 DL Detection Limit

Page 14 of 14

Data File : C:\HPCHEM\1\DATA\AT020319.D

Vial: 43

Acq On : 3 Feb 2022 9:42 pm

Operator: RJP

Sample : C2202013-007A

Inst : MSD #1

Misc : A201_1UG

Multiplr: 1.00

MS Integration Params: RTEINT.P

Quant Time: Feb 04 08:24:37 2022

Quant Results File: A201_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A201_1UG.M (RTE Integrator)

Title : TO-15 VOA Standards for 5 point calibration

Last Update : Wed Feb 02 07:40:12 2022

Response via : Initial Calibration

DataAcq Meth : 1UG_ENT

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	9.72	128	35817	1.00	ppb	-0.03
35) 1,4-difluorobenzene	12.02	114	149732	1.00	ppb	-0.02
50) Chlorobenzene-d5	16.84	117	132572	1.00	ppb	-0.02

System Monitoring Compounds

65) Bromofluorobenzene	18.64	95	90834	0.93	ppb	-0.02
Spiked Amount	1.000	Range	70 - 130	Recovery	=	93.00%

Target Compounds

						Qvalue
3) Freon 12	4.15	85	116851	0.47	ppb	97
4) Chloromethane	4.34	50	30440	0.50	ppb	95
14) Freon 11	5.77	101	62642	0.23	ppb	100
15) Acetone	5.93	58	206799	8.13	ppb	# 1
17) Isopropyl alcohol	6.03	45	189062	2.42	ppb	# 53
21) Methylene chloride	6.97	84	7991	0.16	ppb	97
28) Methyl Ethyl Ketone	8.83	72	6645	0.30	ppb	# 100
30) Hexane	8.88	57	23075	0.37	ppb	91
31) Ethyl acetate	9.42	43	22124	0.21	ppb	# 78
32) Chloroform	9.89	83	15142	0.10	ppb	100
38) Carbon tetrachloride	11.35	117	16945	0.08	ppb	98
39) Benzene	11.33	78	52338	0.38	ppb	91
42) 2,2,4-trimethylpentane	12.20	57	23271	0.13	ppb	86
43) Heptane	12.55	43	14414	0.24	ppb	82
51) Toluene	14.80	92	95825	0.93	ppb	95
56) Tetrachloroethylene	15.87	164	9876	0.12	ppb	96
58) Ethylbenzene	17.18	91	28315	0.12	ppb	99
59) m&p-xylene	17.36	91	73135	0.36	ppb	97
63) o-xylene	17.90	91	28357	0.13	ppb	92
71) 1,2,4-trimethylbenzene	19.90	105	24203	0.11	ppb	94

Quantitation Report (QT Reviewed)

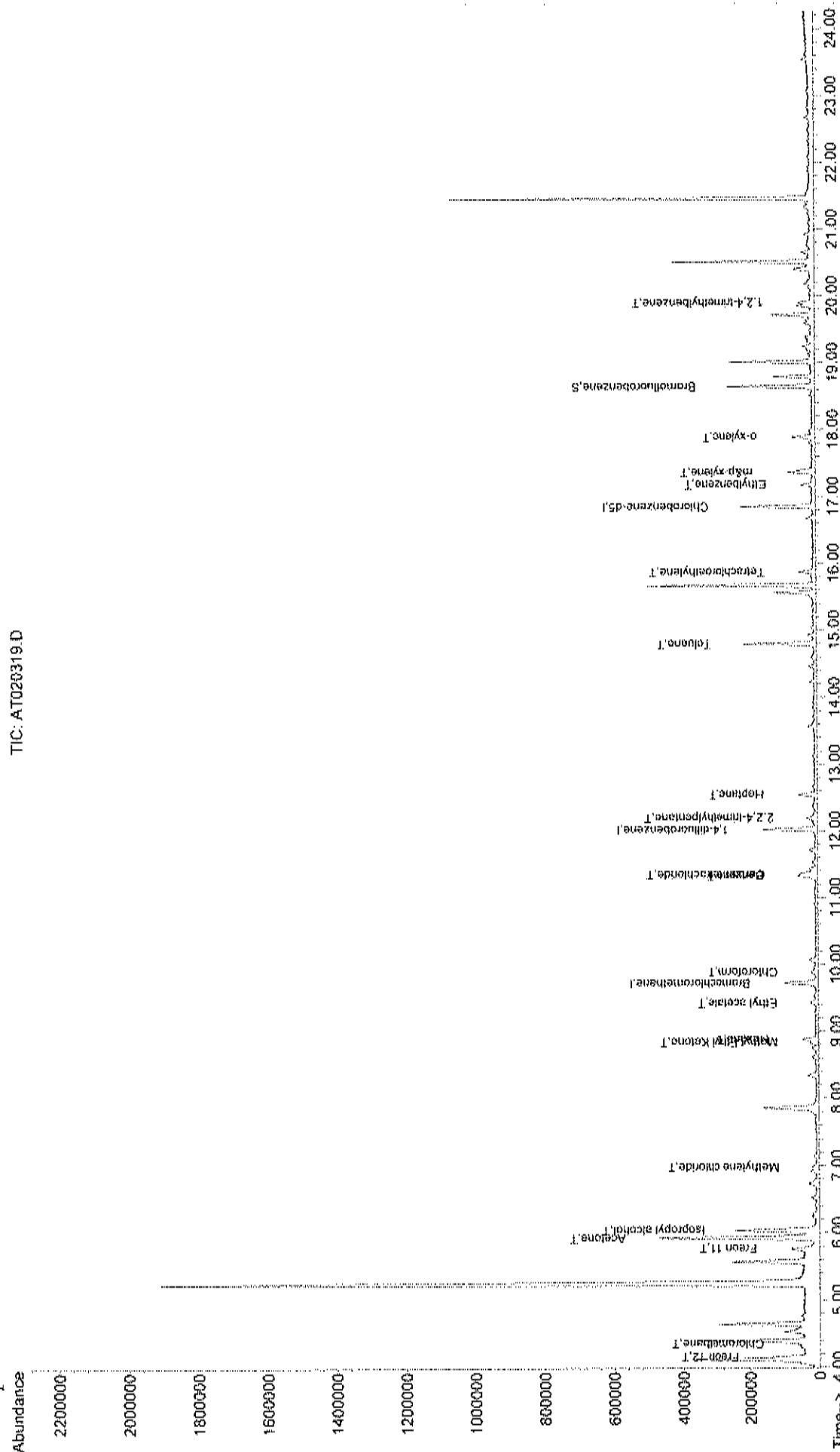
Data File : C:\HPCHEM\1\DATA\AT020319.D
 Acq On : 3 Feb 2022 9:42 pm
 Sample : C2202013-007A
 Misc : A201_1UG
 MS Integration Params: RTEINT.P
 Quant Time: Feb 4 8:42 2022

Vial: 43
 Operator: RJP
 Inst : MSD #1
 Multiplr: 1.00

Quant Results File: A201_1UG.RES

Method : C:\HPCHEM\1\METHODS\A201_1UG.M (RTE Integration)
 Title : TO-15 VOA Standards for 5 point calibration
 Last Update : Fri Feb 04 14:02:12 2022
 Response via : Initial Calibration

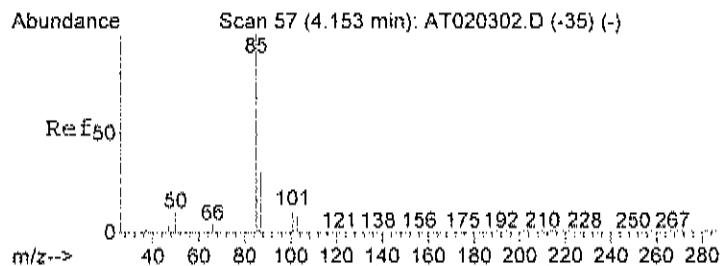
TIC: AT020319.D



MSD1

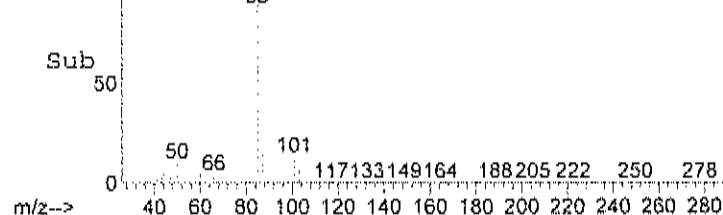
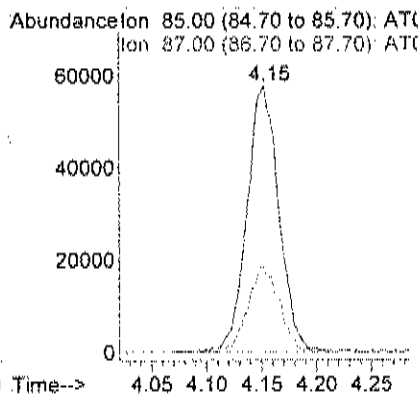
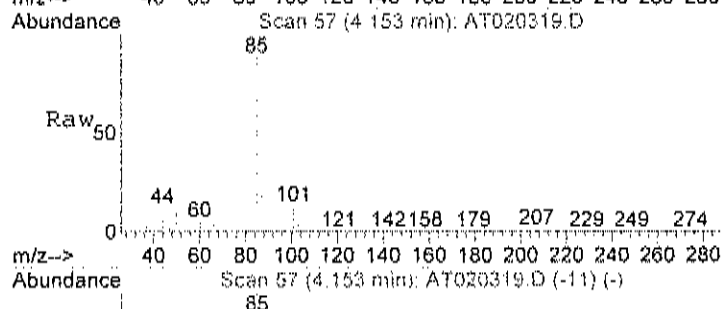
Fri Feb 04 14:29:37 2022

AT020319.D A201_1UG.M



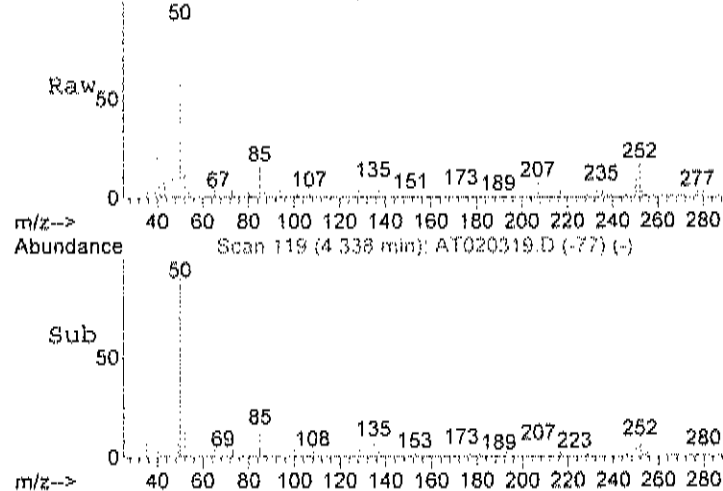
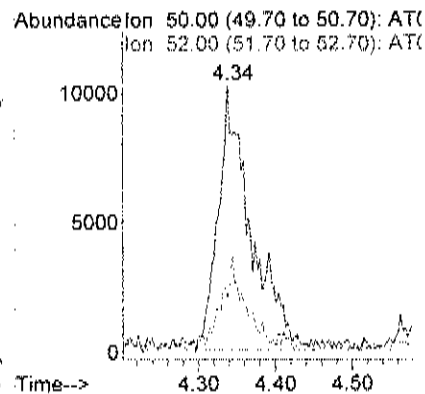
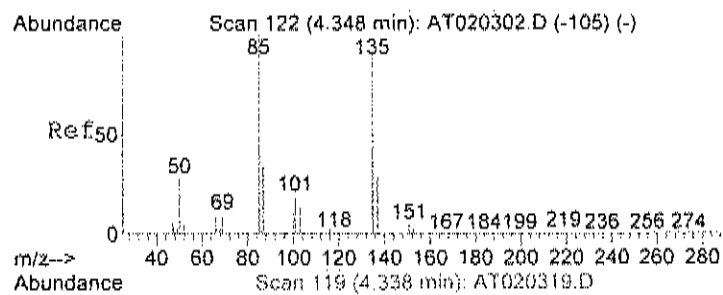
#3
Freon 12
Concen: 0.47 ppb
RT: 4.15 min Scan# 57
Delta R.T. -0.01 min
Lab File: AT020319.D
Acq: 3 Feb 2022 9:42 pm

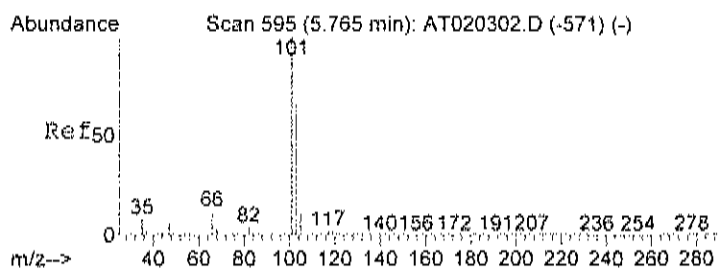
Tgt Ion:	85	Resp:	116851
Ion Ratio	Lower	Upper	
85	100		
87	31.4	12.9	52.9



#4
Chloromethane
Concen: 0.50 ppb
RT: 4.34 min Scan# 119
Delta R.T. -0.02 min
Lab File: AT020319.D
Acq: 3 Feb 2022 9:42 pm

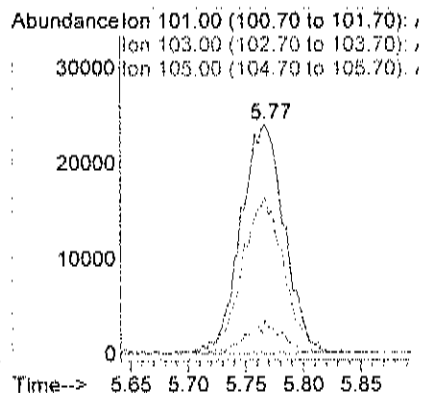
Tgt Ion:	50	Resp:	30440
Ion Ratio	Lower	Upper	
50	100		
52	24.3	6.9	46.9





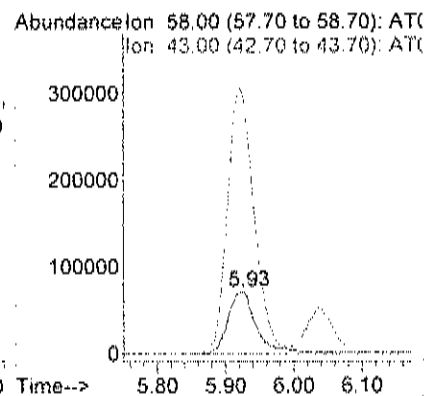
#14
Freon 11
Concen: 0.23 ppb
RT: 5.77 min Scan# 596
Delta R.T. -0.02 min
Lab File: AT020319.D
Acq: 3 Feb 2022 9:42 pm

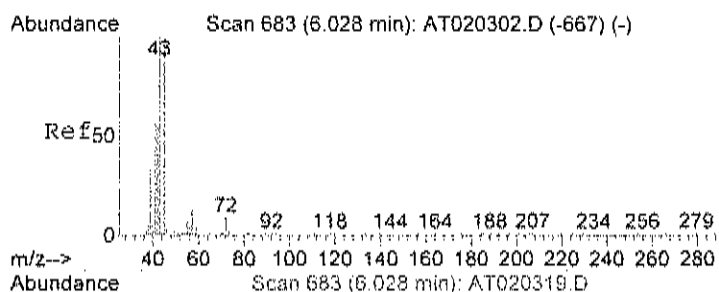
Tgt Ion:	101	Resp:	62642
Ion Ratio	Lower	Upper	
101	100		
103	65.8	45.9	85.9
105	11.6	0.0	30.8



#15
Acetone
Concen: 8.13 ppb
RT: 5.93 min Scan# 649
Delta R.T. -0.03 min
Lab File: AT020319.D
Acq: 3 Feb 2022 9:42 pm

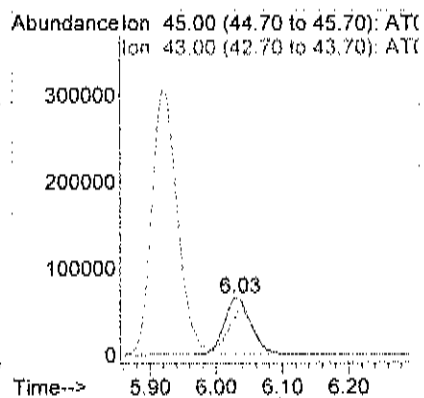
Tgt Ion:	58	Resp:	206799
Ion Ratio	Lower	Upper	
58	100		
43	468.9	249.9	309.9#





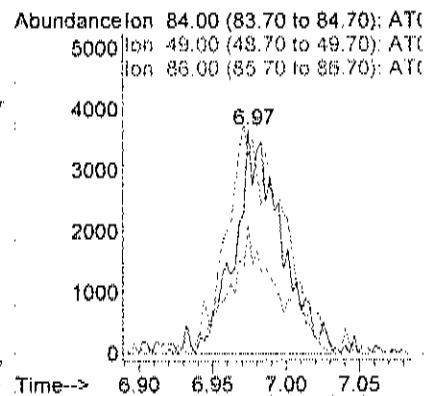
#17
Isopropyl alcohol
Concen: 2.42 ppb
RT: 6.03 min Scan# 683
Delta R.T. -0.04 min
Lab File: AT020319.D
Acq: 3 Feb 2022 9:42 pm

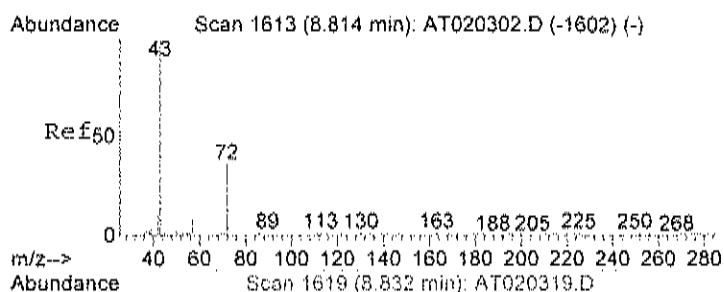
Tgt Ion: 45 Resp: 189062
Ion Ratio Lower Upper
45 100
43 74.1 109.1 149.1#



#21
Methylene chloride
Concen: 0.16 ppb
RT: 6.97 min Scan# 999
Delta R.T. -0.02 min
Lab File: AT020319.D
Acq: 3 Feb 2022 9:42 pm

Tgt Ion: 84 Resp: 7991
Ion Ratio Lower Upper
84 100
49 117.9 96.8 136.8
86 59.7 45.5 85.5





#28
Methyl Ethyl Ketone
Concen: 0.30 ppb
RT: 8.83 min Scan# 1619
Delta R.T. -0.02 min
Lab File: AT020319.D
Acq: 3 Feb 2022 9:42 pm

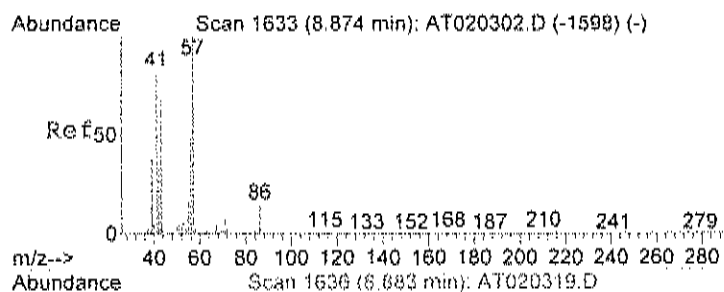
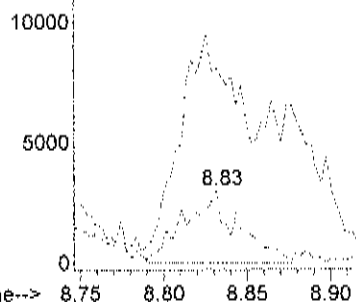
Tgt Ion	Ratio	Lower	Upper
72	100		
43	600.0	0.0	20.0#
72	100.0	80.0	120.0

Abundance

Ion 72.00 (71.70 to 72.70): AT(

Ion 43.00 (42.70 to 43.70): AT(

Ion 72.00 (71.70 to 72.70): AT(



#30
Hexane
Concen: 0.37 ppb
RT: 8.88 min Scan# 1636
Delta R.T. -0.02 min
Lab File: AT020319.D
Acq: 3 Feb 2022 9:42 pm

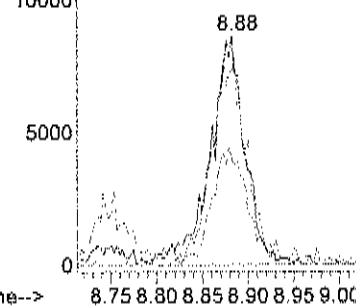
Tgt Ion	Ratio	Lower	Upper
57	100		
41	90.8	61.2	101.2
56	50.3	34.3	74.3

Abundance

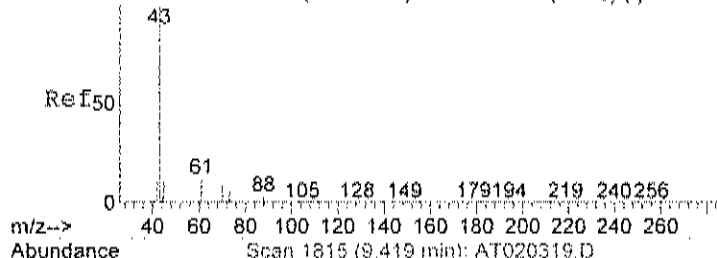
Ion 57.00 (56.70 to 57.70): AT(

Ion 41.00 (40.70 to 41.70): AT(

Ion 56.00 (55.70 to 56.70): AT(



Abundance Scan 1815 (9.419 min): AT020302.D (-1793) (-)



#31

Ethyl acetate

Concen: 0.21 ppb

RT: 9.42 min Scan# 1815

Delta R.T. -0.03 min

Lab File: AT020319.D

Acq: 3 Feb 2022 9:42 pm

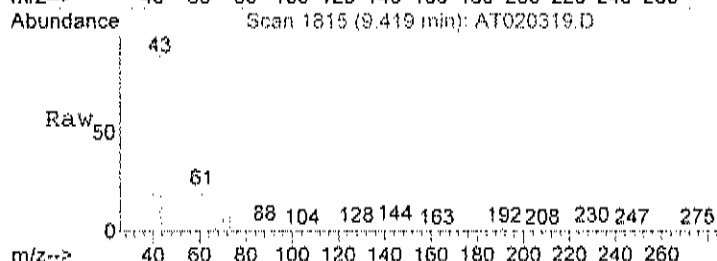
Tgt Ion: 43 Resp: 22124

Ion Ratio Lower Upper

43 100

45 0.0 0.0 35.4

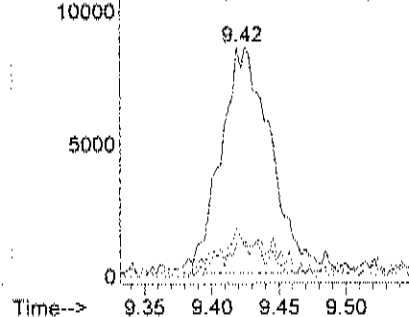
61 12.6 0.0 35.8



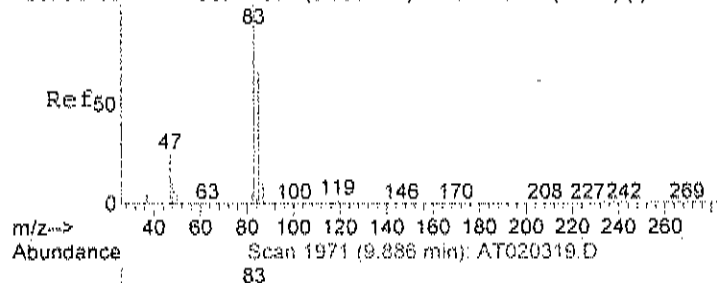
Abundance Ion 43.00 (42.70 to 43.70): AT(

Ion 45.00 (44.70 to 45.70): AT(

Ion 61.00 (60.70 to 61.70): AT(



Abundance Scan 1971 (9.886 min): AT020302.D (-1945) (-)



#32

Chloroform

Concen: 0.10 ppb

RT: 9.89 min Scan# 1971

Delta R.T. -0.02 min

Lab File: AT020319.D

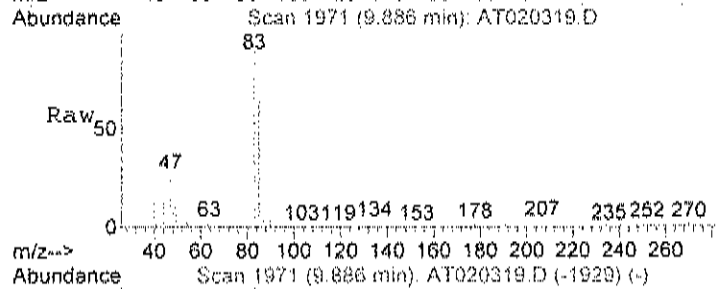
Acq: 3 Feb 2022 9:42 pm

Tgt Ion: 83 Resp: 15142

Ion Ratio Lower Upper

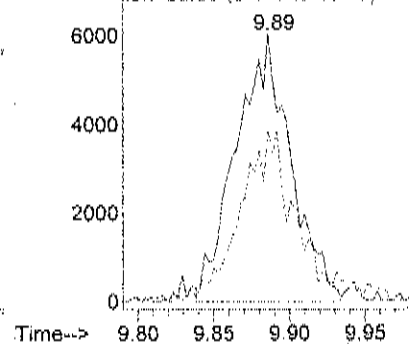
83 100

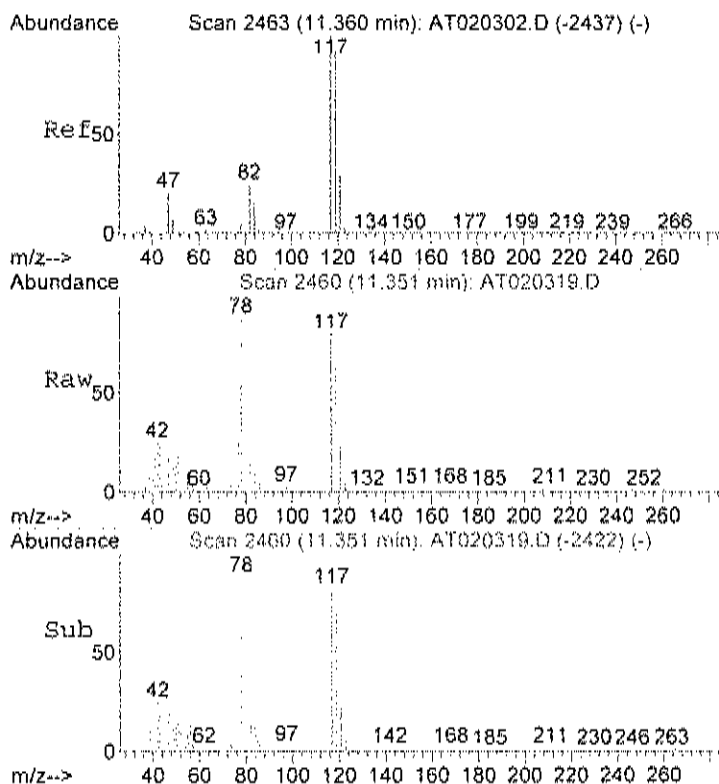
85 65.1 45.3 85.3



Abundance Ion 83.00 (82.70 to 83.70): AT(

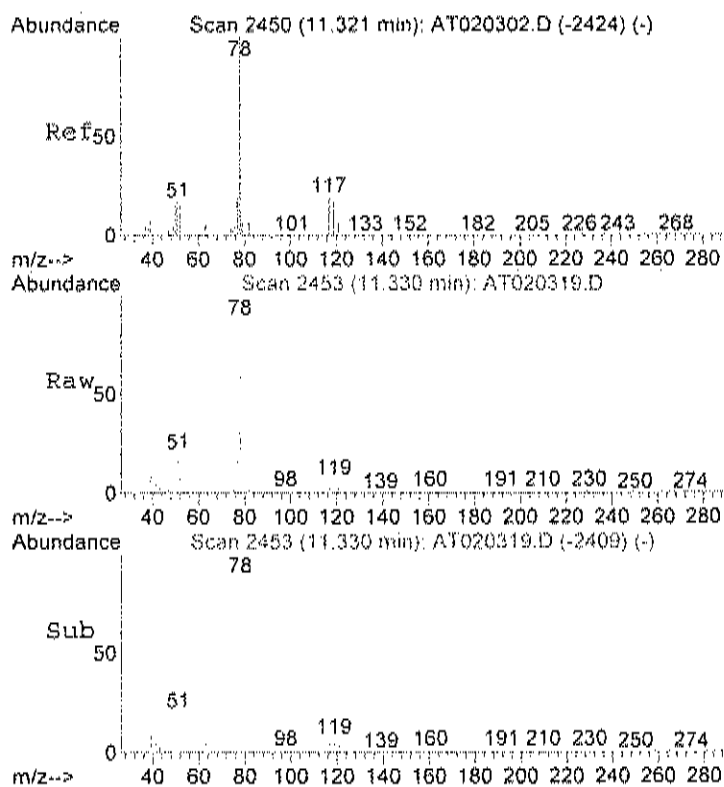
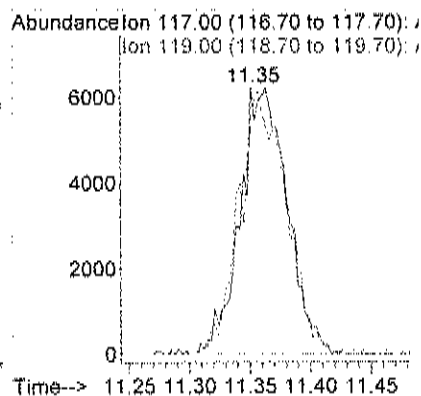
Ion 85.00 (84.70 to 85.70): AT(





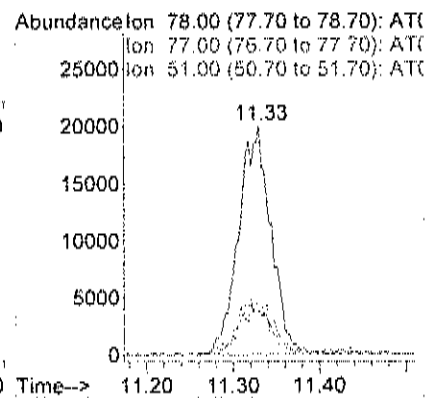
#38
Carbon tetrachloride
Concen: 0.08 ppb
RT: 11.35 min Scan# 2460
Delta R.T. -0.04 min
Lab File: AT020319.D
Acq: 3 Feb 2022 9:42 pm

Tgt Ion: 117 Resp: 16945
Ion Ratio Lower Upper
117 100
119 98.6 76.8 116.8

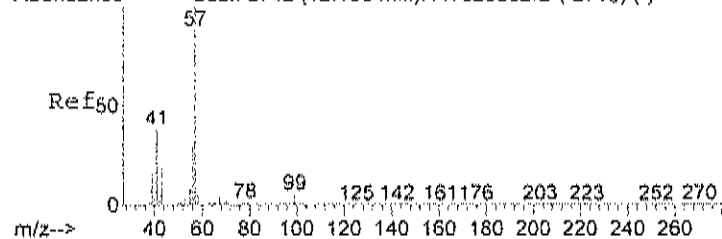


#39
Benzene
Concen: 0.38 ppb
RT: 11.33 min Scan# 2453
Delta R.T. -0.02 min
Lab File: AT020319.D
Acq: 3 Feb 2022 9:42 pm

Tgt Ion: 78 Resp: 52338
Ion Ratio Lower Upper
78 100
77 25.2 3.3 43.3
51 21.7 0.0 35.1



Abundance Scan 2742 (12.196 min): AT020302.D (-2716) (-)



#42

2,2,4-trimethylpentane

Concen: 0.13 ppb

RT: 12.20 min Scan# 2745

Delta R.T. -0.01 min

Lab File: AT020319.D

Acq: 3 Feb 2022 9:42 pm

Tgt Ion: 57 Resp: 23271

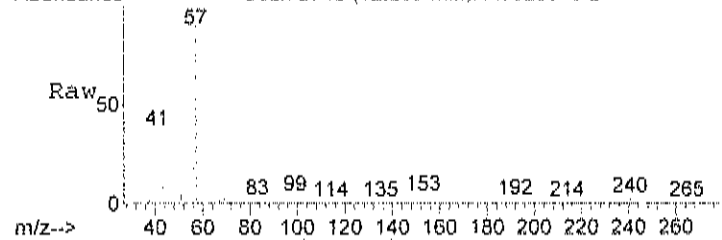
Ion Ratio Lower Upper

57 100

41 38.4 12.0 52.0

56 24.6 13.4 53.4

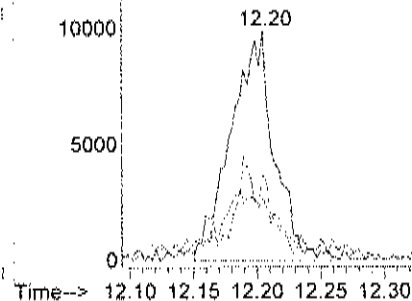
Abundance Scan 2745 (12.205 min): AT020319.D



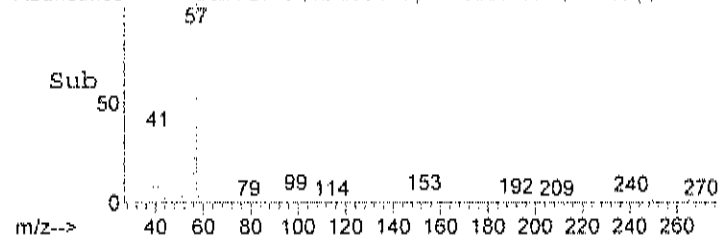
Abundance Ion 57.00 (56.70 to 57.70): AT(

Ion 41.00 (40.70 to 41.70): AT(

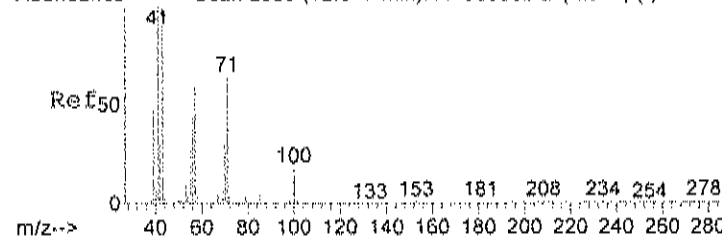
Ion 56.00 (55.70 to 56.70): AT(



Abundance Scan 2745 (12.205 min): AT020319.D (-2699) (-)



Abundance Scan 2859 (12.547 min): AT020302.D (-2841) (-)



#43

Heptane

Concen: 0.24 ppb

RT: 12.55 min Scan# 2859

Delta R.T. -0.02 min

Lab File: AT020319.D

Acq: 3 Feb 2022 9:42 pm

Tgt Ion: 43 Resp: 14414

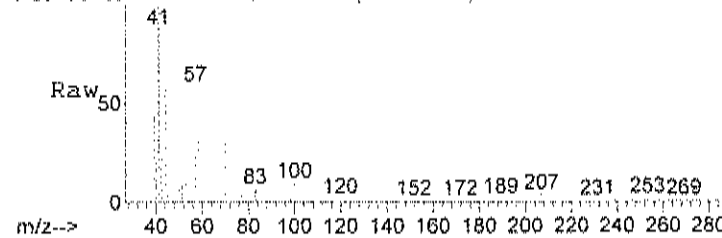
Ion Ratio Lower Upper

43 100

57 77.8 37.9 77.9

71 55.4 43.1 83.1

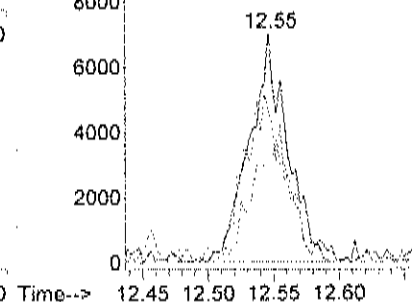
Abundance Scan 2859 (12.546 min): AT020319.D



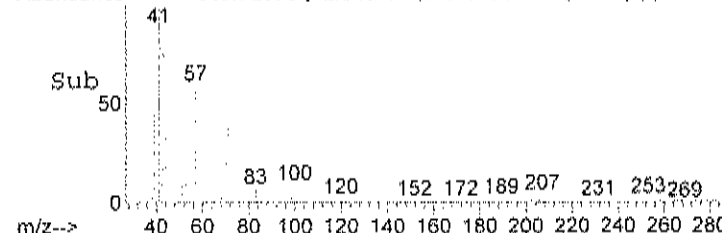
Abundance Ion 43.00 (42.70 to 43.70): AT(

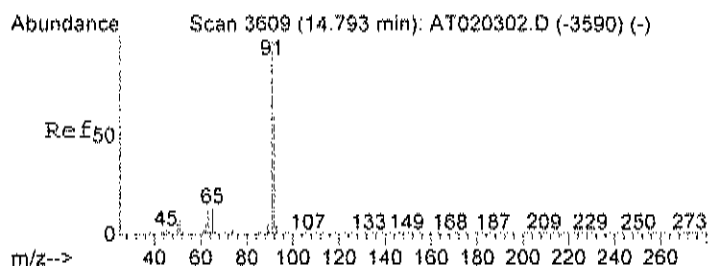
Ion 57.00 (56.70 to 57.70): AT(

Ion 71.00 (70.70 to 71.70): AT(



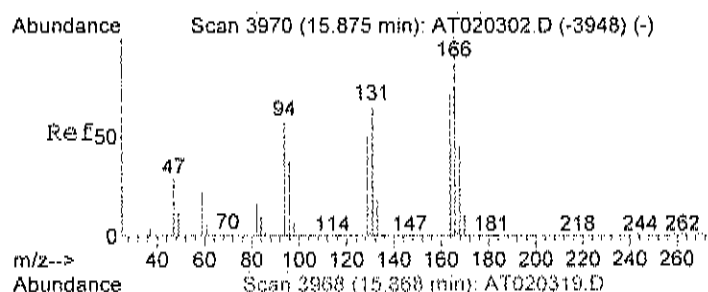
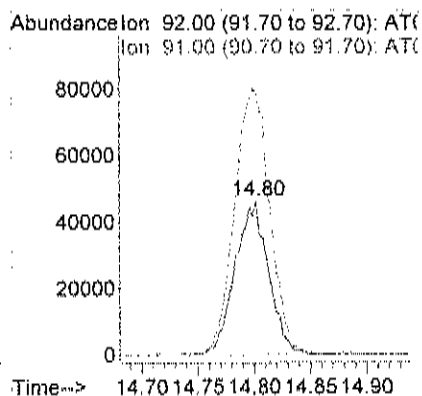
Abundance Scan 2859 (12.546 min): AT020319.D (-2816) (-)





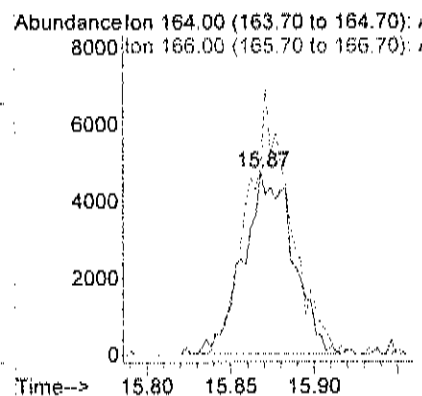
#51
Toluene
Concen: 0.93 ppb
RT: 14.80 min Scan# 3612
Delta R.T. -0.02 min
Lab File: AT020319.D
Acq: 3 Feb 2022 9:42 pm

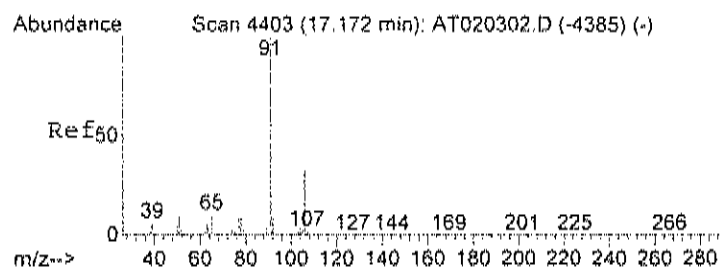
Tgt Ion: 92 Resp: 95825
Ion Ratio Lower Upper
92 100
91 182.7 155.2 195.2



#56
Tetrachloroethylene
Concen: 0.12 ppb
RT: 15.87 min Scan# 3968
Delta R.T. -0.02 min
Lab File: AT020319.D
Acq: 3 Feb 2022 9:42 pm

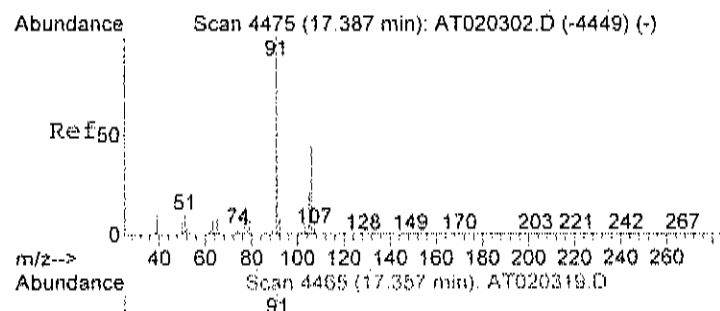
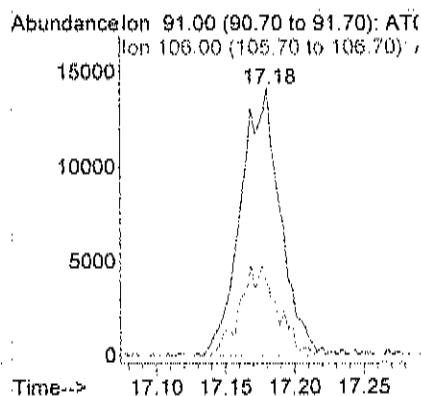
Tgt Ion: 164 Resp: 9876
Ion Ratio Lower Upper
164 100
166 123.6 108.8 148.8





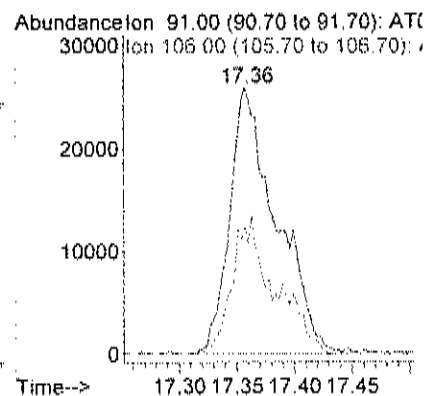
#58
Ethylbenzene
Concen: 0.12 ppb
RT: 17.18 min Scan# 4406
Delta R.T. -0.01 min
Lab File: AT020319.D
Acq: 3 Feb 2022 9:42 pm

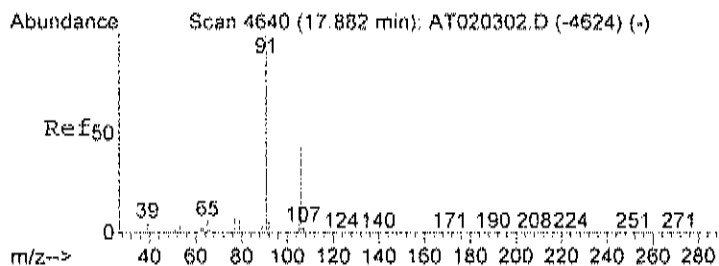
Tgt Ion: 91 Resp: 28315
Ion Ratio Lower Upper
91 100
106 31.3 11.7 51.7



#59
m&p-xylene
Concen: 0.36 ppb
RT: 17.36 min Scan# 4465
Delta R.T. -0.05 min
Lab File: AT020319.D
Acq: 3 Feb 2022 9:42 pm

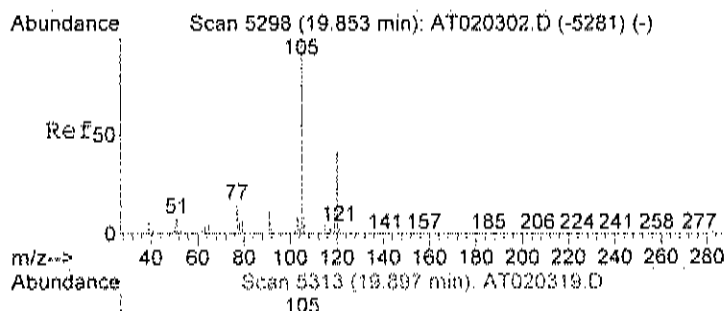
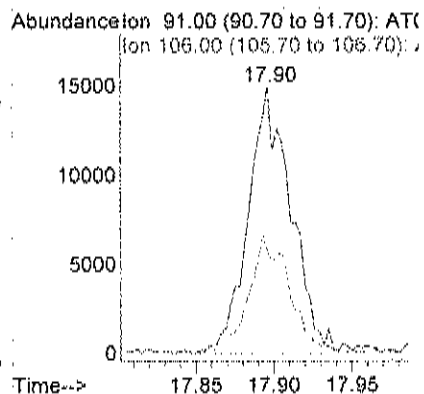
Tgt Ion: 91 Resp: 73135
Ion Ratio Lower Upper
91 100
106 47.4 29.7 69.7





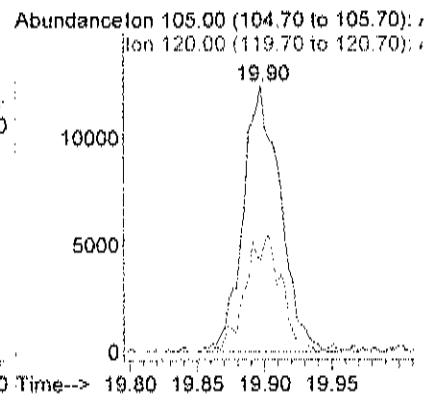
#63
o-xylene
Concen: 0.13 ppb
RT: 17.90 min Scan# 4645
Delta R.T. -0.02 min
Lab File: AT020319.D
Acq: 3 Feb 2022 9:42 pm

Tgt Ion: 91 Resp: 28357
Ion Ratio Lower Upper
91 100
106 42.1 27.3 67.3



#71
1,2,4-trimethylbenzene
Concen: 0.11 ppb
RT: 19.90 min Scan# 5313
Delta R.T. -0.02 min
Lab File: AT020319.D
Acq: 3 Feb 2022 9:42 pm

Tgt Ion: 105 Resp: 24203
Ion Ratio Lower Upper
105 100
120 41.8 25.8 65.8



Data File : C:\HPCHEM\1\DATA\AT020406.D

Vial: 6

Acq On : 4 Feb 2022 12:49 pm

Operator: RJP

Sample : C2202013-007A 10X

Inst : MSD #1

Misc : A201_1UG

Multiplr: 1.00

MS Integration Params: RTEINT.P

Quant Time: Feb 04 13:24:27 2022

Quant Results File: A201_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A201_1UG.M (RTE Integrator)

Title : TO-15 VOA Standards for 5 point calibration

Last Update : Wed Feb 02 07:40:12 2022

Response via : Initial Calibration

DataAcq Meth : 1UG_ENT

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	9.73	128	28841	1.00	ppb	-0.02
35) 1,4-difluorobenzene	12.03	114	115273	1.00	ppb	-0.01
50) Chlorobenzene-d5	16.85	117	100677	1.00	ppb	-0.01

System Monitoring Compounds

65) Bromofluorobenzene	18.60	95	62814	0.85	ppb	-0.05
Spiked Amount	1.000	Range	70 - 130	Recovery	=	85.00%

Target Compounds

						Qvalue
15) Acetone	5.94	58	21627	1.06	ppb	# 25
17) Isopropyl alcohol	6.05	45	16265	0.26	ppb	# 1

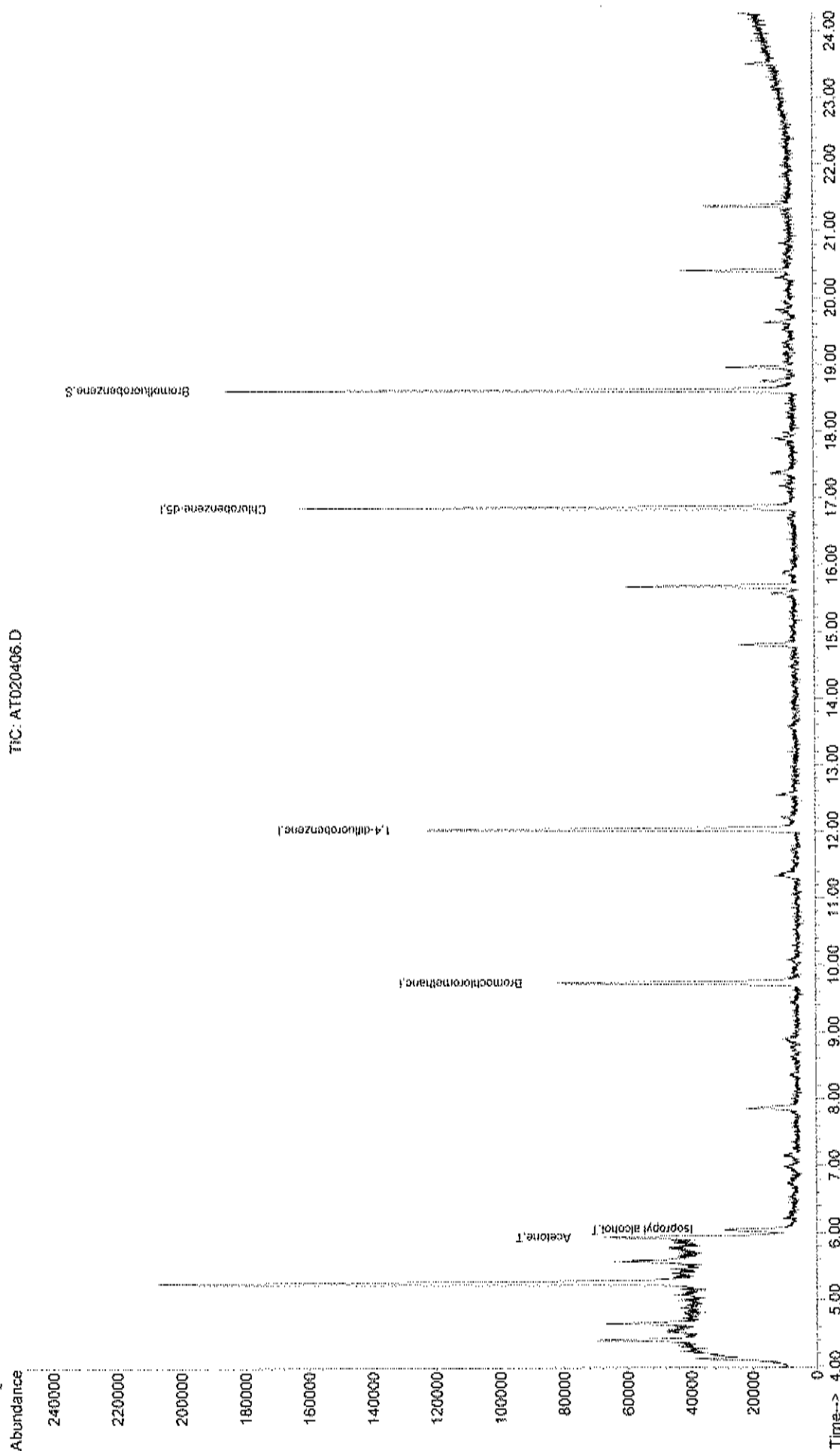
Data File : C:\HPCHEM\1\DATA\AT020406.D
Acq On : 4 Feb 2022 12:49 pm
Sample : C2202013-007A 10X
Misc : A201_1UG
MS Integration Params: RTEINT.P
Quant Time: Feb 4 13:25 2022

Vial: 6
Operator: RJP
Inst : MSD #1
Multiplr: 1.00

Quant Results File: A201_1UG.RES

Method : C:\HPCHEM\1\METHODS\A201_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Fri Feb 04 14:02:12 2022
Response via : Initial Calibration

TIC: AT020406.D

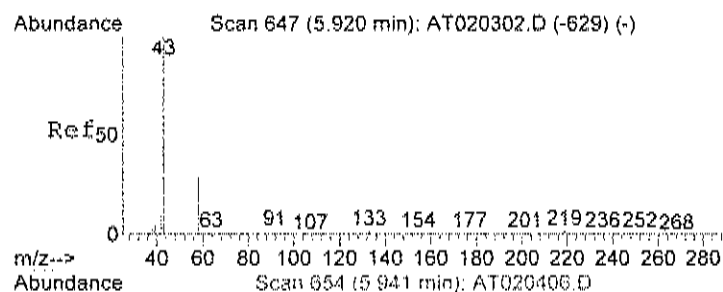


MSD1

Fri Feb 04 14:30:16 2022

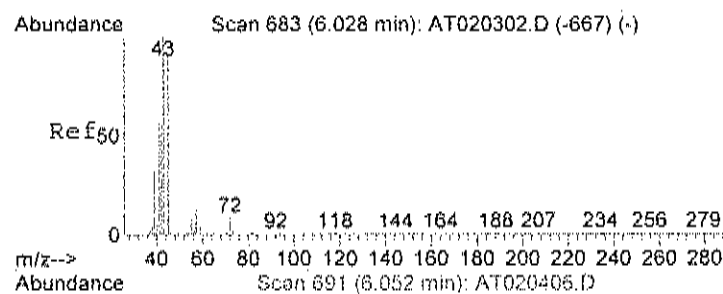
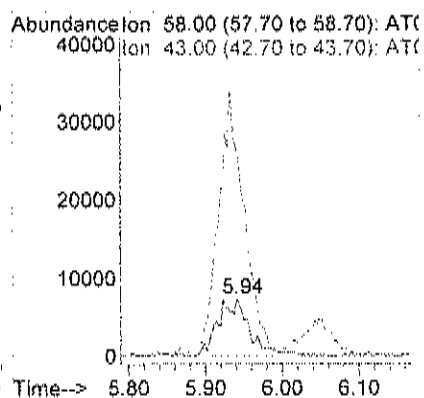
AT020406.D A201_1UG.M

Page 2



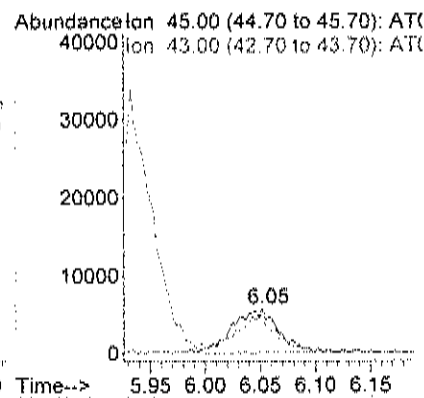
#15
Acetone
Concen: 1.06 ppb
RT: 5.94 min Scan# 654
Delta R.T. -0.01 min
Lab File: AT020406.D
Acq: 4 Feb 2022 12:49 pm

Tgt Ion: 58 Resp: 21627
Ion Ratio Lower Upper
58 100
43 419.9 249.9 309.9#



#17
Isopropyl alcohol
Concen: 0.26 ppb
RT: 6.05 min Scan# 691
Delta R.T. -0.01 min
Lab File: AT020406.D
Acq: 4 Feb 2022 12:49 pm

Tgt Ion: 45 Resp: 16265
Ion Ratio Lower Upper
45 100
43 0.0 109.1 149.1#



GC/MS VOLATILES-WHOLE AIR

METHOD TO-15

STANDARDS DATA

GC/MS VOLATILES-WHOLE AIR

METHOD TO-15

INITIAL CALIBRATION

Response Factor Report MSD #1

Method : C:\HPCHEM\1\METHODS\A201_1UG.M (RTE Integrator)
 Title : TO-15 VOA Standards for 5 point calibration
 Last Update : Wed Feb 02 07:40:12 2022
 Response via : Initial Calibration

Calibration Files

2.0 =AT020103.D 1.50 =AT020104.D 1.25 =AT020105.D
 1.0 =AT020106.D 0.75 =AT020107.D 0.50 =AT020108.D

Compound	2.0	1.50	1.25	1.0	0.75	0.50	Avg	%RSD
1) I Bromochloromethane	-----ISTD-----							
2) T Propylene	0.836	0.812	0.808	0.820	0.863	0.913	0.885	10.00
3) T Freon 12	6.740	6.458	6.279	6.606	6.753	6.974	6.918	8.91
4) T Chloromethane	1.615	1.533	1.517	1.611	1.712	1.753	1.705	11.45
5) T Freon 114	5.360	5.204	5.159	5.451	5.420	5.653	5.624	9.61
6) T Vinyl Chloride	1.489	1.436	1.439	1.427	1.558	1.559	1.627	17.26
7) T Butane	1.726	1.717	1.639	1.745	1.816	1.897	1.923	19.72
8) T 1,3-butadiene	1.386	1.289	1.315	1.469	1.423	1.522	1.466	12.11
9) T Bromomethane	1.940	1.914	1.801	2.002	2.017	2.038	2.061	13.30
10) T Chloroethane	0.669	0.672	0.651	0.675	0.697	0.716	0.713	8.92
11) T Ethanol	0.361	0.345	0.330	0.387	0.364	0.428	0.424	25.01
12) T Acrolein	0.441	0.489	0.370	0.479	0.468	0.435	0.492	18.80
13) T Vinyl Bromide	2.108	2.109	1.996	2.078	2.171	2.136	2.238	12.25
14) T Freon 11	7.516	6.751	6.559	7.616	7.914	7.174	7.452	8.95
15) T Acetone	0.681	0.610	0.641	0.732	0.722	0.685	0.710	13.40
16) T Pentane	1.245	1.166	1.146	1.261	1.243	1.248	1.260	10.64
17) T Isopropyl alcoh	2.177	2.045	2.028	2.190	2.137	1.997	2.180	10.05
18) T 1,1-dichloroeth	1.467	1.425	1.381	1.487	1.531	1.473	1.509	8.97
19) T Freon 113	3.773	3.583	3.493	3.820	3.808	3.864	3.813	6.80
20) T t-Butyl alcohol	2.822	2.651	2.561	2.890	2.689	2.757	2.799	6.52
21) T Methylene chlor	1.302	1.280	1.221	1.358	1.331	1.357	1.364	8.80
22) T Allyl chloride	1.359	1.340	1.250	1.409	1.362	1.324	1.386	7.70
23) T Carbon disulfid	4.125	3.970	3.856	4.218	4.241	4.355	4.419	15.45
24) T trans-1,2-dichl	2.159	2.022	1.965	2.156	2.176	2.103	2.168	8.64
25) T methyl tert-but	3.889	3.702	3.555	3.844	3.725	3.730	3.833	7.07
26) T 1,1-dichloroeth	2.673	2.653	2.504	2.686	2.647	2.681	2.715	5.93
27) T Vinyl acetate	2.052	1.929	1.819	2.005	1.902	1.934	1.964	5.62
28) T Methyl Ethyl Ke	0.639	0.601	0.600	0.609	0.645	0.522	0.623	10.78
29) T cis-1,2-dichlor	1.984	1.901	1.883	1.988	1.975	1.951	2.056	14.47
30) T Hexane	1.872	1.747	1.703	1.648	1.749	1.787	1.726	5.68
31) T Ethyl acetate	3.050	2.771	2.797	2.997	2.916	2.940	2.975	6.82
32) T Chloroform	4.099	3.892	3.827	4.101	4.194	4.156	4.206	8.29
33) T Tetrahydrofuran	1.137	1.051	1.007	1.078	1.076	1.059	1.100	11.38
34) T 1,2-dichloroeth	3.072	2.967	2.878	2.985	3.064	3.079	3.107	7.24
35) I 1,4-difluorobenzene	-----ISTD-----							
36) T 1,1,1-trichloro	1.045	1.047	1.029	1.067	1.074	1.092	1.111	9.59
37) T Cyclohexane	0.374	0.367	0.358	0.357	0.373	0.347	0.366	4.95
38) T Carbon tetrachl	1.276	1.286	1.267	1.275	1.301	1.315	1.433	23.49
39) T Benzene	0.896	0.893	0.905	0.897	0.898	0.877	0.921	6.10
40) T Methyl methacry	0.414	0.411	0.395	0.403	0.397	0.385	0.402	2.36
41) T 1,4-dioxane	0.230	0.234	0.228	0.231	0.231	0.222	0.240	9.50
42) T 2,2,4-trimethyl	1.185	1.168	1.174	1.165	1.169	1.146	1.191	5.03
43) T Heptane	0.401	0.407	0.406	0.401	0.402	0.392	0.406	2.98
44) T Trichloroethene	0.499	0.490	0.487	0.470	0.498	0.488	0.545	23.15
45) T 1,2-dichloropro	0.304	0.308	0.312	0.306	0.308	0.312	0.322	8.32
46) T Bromodichlorome	1.011	1.021	1.015	1.014	1.014	1.011	1.053	7.82
47) T cis-1,3-dichlor	0.572	0.565	0.556	0.562	0.545	0.545	0.562	3.22
48) T trans-1,3-dichl	0.537	0.526	0.520	0.500	0.507	0.501	0.524	4.78
49) T 1,1,2-trichloro	0.412	0.419	0.421	0.416	0.430	0.433	0.437	7.66
50) I Chlorobenzene-d5	-----ISTD-----							
51) T Toluene	0.772	0.753	0.765	0.775	0.778	0.765	0.777	2.58

(#) = Out of Range ### Number of calibration levels exceeded format ###
 A201_1UG.M Fri Feb 04 14:00:24 2022 MSD1

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Response Factor Report MSD #1

Method : C:\HPCHEM\1\METHODS\A201_1UG.M (RTE Integrator)
 Title : TO-15 VOA Standards for 5 point calibration
 Last Update : Wed Feb 02 07:40:12 2022
 Response via : Initial Calibration

Calibration Files

2.0 =AT020103.D 1.50 =AT020104.D 1.25 =AT020105.D
 1.0 =AT020106.D 0.75 =AT020107.D 0.50 =AT020108.D

Compound	2.0	1.50	1.25	1.0	0.75	0.50	Avg	%RSD
52) T Methyl Isobutyl	0.726	0.699	0.703	0.711	0.676	0.697	0.705	2.56
53) T Dibromochlorome	1.155	1.155	1.184	1.184	1.177	1.209	1.215	6.44
54) T Methyl Butyl Ke	0.693	0.671	0.691	0.658	0.633	0.620	0.645	6.16
55) T 1,2-dibromoetha	0.795	0.787	0.794	0.796	0.796	0.793	0.802	2.78
56) T Tetrachloroethy	0.581	0.586	0.600	0.607	0.605	0.597	0.617	6.86
57) T Chlorobenzene	1.107	1.092	1.120	1.147	1.129	1.099	1.139	4.29
58) T Ethylbenzene	1.837	1.799	1.804	1.793	1.776	1.711	1.792	2.11
59) T m&p-xylene	1.583	1.548	1.551	1.554	1.523	1.491	1.523	2.92
60) T Nonane	0.759	0.748	0.761	0.740	0.721	0.705	0.724	4.71
61) T Styrene	1.116	1.110	1.127	1.135	1.128	1.119	1.123	0.96
62) T Bromoform	1.133	1.116	1.121	1.139	1.129	1.153	1.148	3.45
63) T o-xylene	1.677	1.647	1.660	1.677	1.666	1.678	1.670	1.18
64) T Cumene	2.165	2.118	2.145	2.098	2.054	1.961	2.079	3.24
65) S Bromofluorobenz	0.793	0.804	0.801	0.812	0.782	0.744	0.737	9.56
66) T 1,1,2,2-tetrach	1.035	1.032	1.023	1.069	1.055	1.050	1.076	6.12
67) T Propylbenzene	0.579	0.573	0.565	0.578	0.560	0.543	0.564	2.16
68) T 2-Chlorotoluene	0.568	0.565	0.575	0.561	0.568	0.539	0.566	2.55
69) T 4-ethyltoluene	2.181	2.147	2.133	2.112	2.095	2.002	2.088	3.29
70) T 1,3,5-trimethyl	1.948	1.926	1.937	1.923	1.883	1.912	1.904	2.06
71) T 1,2,4-trimethyl	1.870	1.809	1.842	1.763	1.733	1.620	1.731	6.24
72) T 1,3-dichloroben	1.223	1.209	1.232	1.214	1.192	1.181	1.202	1.75
73) T benzyl chloride	1.069	1.013	1.009	0.979	0.970	0.868	0.952	8.79
74) T 1,4-dichloroben	1.241	1.219	1.206	1.215	1.180	1.139	1.179	4.14
75) T 1,2,3-trimethyl	2.028	1.973	1.955	1.939	1.902	1.834	1.897	5.11
76) T 1,2-dichloroben	1.262	1.235	1.226	1.223	1.202	1.192	1.219	1.90
77) T 1,2,4-trichloro	0.737	0.671	0.652	0.606	0.560	0.505	0.582	17.60
78) T Naphthalene	1.902	1.703	1.666	1.589	1.424	1.282	1.514	15.67
79) T Hexachloro-1,3-	1.129	1.106	1.121	1.112	1.093	1.075	1.105	1.52

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AT020103.D
 Acq On : 1 Feb 2022 7:48 pm
 Sample : A1UG_2.0
 Misc : A201_1UG

Vial: 2
 Operator: RJP
 Inst : MSD #1
 Multiplr: 1.00

MS Integration Params: RTEINT.P

Quant Time: Feb 02 04:51:39 2022

Quant Results File: A201_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A201_1UG.M (RTE Integrator)
 Title : TO-15 VOA Standards for 5 point calibration
 Last Update : Wed Feb 02 04:49:48 2022
 Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AT020106.D
 DataAcq Meth : 1UG_ENT

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	9.72	128	39822	1.00	ppb	-0.03
35) 1,4-difluorobenzene	12.02	114	176823	1.00	ppb	-0.02
50) Chlorobenzene-d5	16.85	117	153633	1.00	ppb	-0.01

System Monitoring Compounds

65) Bromofluorobenzene	18.64	95	121879	0.98	ppb	-0.02
Spiked Amount	1.000	Range	70 - 130	Recovery	=	98.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Propylene	4.10	41	66565	2.04	ppb	87
3) Freon 12	4.15	85	536798	2.04	ppb	99
4) Chloromethane	4.35	50	128604	2.00	ppb	93
5) Freon 114	4.35	85	426893	1.97	ppb	96
6) Vinyl Chloride	4.54	62	118556	2.09	ppb	95
7) Butane	4.64	43	137448	1.98	ppb	99
8) 1,3-butadiene	4.64	39	110408	1.95	ppb	97
9) Bromomethane	4.99	94	154470	1.94	ppb	98
10) Chloroethane	5.16	64	53268	1.98	ppb	# 87
11) Ethanol	5.24	45	28768	1.87	ppb	90
12) Acrolein	5.83	56	35085	1.84	ppb	98
13) Vinyl Bromide	5.49	106	167924	2.03	ppb	97
14) Freon 11	5.77	101	598622	1.97	ppb	100
15) Acetone	5.93	58	54266	1.86	ppb	# 50
16) Pentane	6.04	42	99160	1.97	ppb	# 89
17) Isopropyl alcohol	6.03	45	173380	1.99	ppb	# 82
18) 1,1-dichloroethene	6.52	96	116859	1.97	ppb	# 84
19) Freon 113	6.72	101	300408	1.97	ppb	97
20) t-Butyl alcohol	6.74	59	224778	1.95	ppb	95
21) Methylene chloride	6.98	84	103674	1.92	ppb	93
22) Allyl chloride	6.96	41	108215	1.93	ppb	96
23) Carbon disulfide	7.13	76	328557	1.96	ppb	100
24) trans-1,2-dichloroethene	7.92	61	171988	2.00	ppb	92
25) methyl tert-butyl ether	7.93	73	309702	2.02	ppb	90
26) 1,1-dichloroethane	8.34	63	212921	1.99	ppb	96
27) Vinyl acetate	8.33	43	163442	2.05	ppb	99
28) Methyl Ethyl Ketone	8.82	72	50871	2.10	ppb	# 100
29) cis-1,2-dichloroethene	9.27	61	158038	2.00	ppb	90
30) Hexane	8.88	57	149082	2.27	ppb	95
31) Ethyl acetate	9.42	43	242893	2.04	ppb	96
32) Chloroform	9.88	83	326451	2.00	ppb	100
33) Tetrahydrofuran	10.04	42	90589	2.11	ppb	88
34) 1,2-dichloroethane	11.00	62	244685	2.06	ppb	99
36) 1,1,1-trichloroethane	10.70	97	369698	1.96	ppb	99
37) Cyclohexane	11.42	56	132309	2.09	ppb	# 83
38) Carbon tetrachloride	11.36	117	451418	2.00	ppb	100
39) Benzene	11.32	78	316871	2.00	ppb	93
40) Methyl methacrylate	12.90	41	146537	2.05	ppb	93
41) 1,4-dioxane	12.91	88	81511	1.99	ppb	92
42) 2,2,4-trimethylpentane	12.19	57	419142	2.03	ppb	91
43) Heptane	12.54	43	141790	2.00	ppb	97
44) Trichloroethene	12.67	130	176367	2.12	ppb	96
45) 1,2-dichloropropane	12.78	63	107660	1.99	ppb	100

(#) = qualifier out of range (m) = manual integration

AT020103.D A201_1UG.M

Fri Feb 04 14:00:53 2022

MSD1

Page 1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AT020103.D
 Acq On : 1 Feb 2022 7:48 pm
 Sample : A1UG_2.0
 Misc : A201_1UG

Vial: 2
 Operator: RJP
 Inst : MSD #1
 Multiplx: 1.00

MS Integration Params: RTEINT.P

Quant Time: Feb 02 04:51:39 2022

Quant Results File: A201_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A201_1UG.M (RTE Integrator)
 Title : TO-15 VOA Standards for 5 point calibration
 Last Update : Wed Feb 02 04:49:48 2022
 Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AT020106.D
 DataAcq Meth : 1UG_ENT

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
46) Bromodichloromethane	13.11	83	357527	2.00	ppb	99
47) cis-1,3-dichloropropene	13.94	75	202347	2.04	ppb	98
48) trans-1,3-dichloropropene	14.72	75	189941	2.15	ppb	94
49) 1,1,2-trichloroethane	15.04	97	145709	1.98	ppb	99
51) Toluene	14.79	92	237340	1.99	ppb	98
52) Methyl Isobutyl Ketone	13.85	43	222967	2.04	ppb	97
53) Dibromochloromethane	15.78	129	354942	1.95	ppb	100
54) Methyl Butyl Ketone	15.22	43	213031	2.11	ppb	95
55) 1,2-dibromoethane	16.04	107	244194	2.00	ppb	98
56) Tetrachloroethylene	15.87	164	179478	1.92	ppb	99
57) Chlorobenzene	16.90	112	340087	1.93	ppb	95
58) Ethylbenzene	17.17	91	564427	2.05	ppb	98
59) m&p-xylene	17.39	91	973017	4.07	ppb	93
60) Nonane	17.80	43	233344	2.05	ppb	98
61) Styrene	17.86	104	342997	1.97	ppb	84
62) Bromoform	17.98	173	347993	1.99	ppb	100
63) o-xylene	17.90	91	515305	2.00	ppb	93
64) Cumene	18.52	105	665266	2.06	ppb	98
66) 1,1,2,2-tetrachloroethane	18.39	83	317940	1.94	ppb	99
67) Propylbenzene	19.12	120	177787	2.00	ppb	91
68) 2-Chlorotoluene	19.17	126	174599	2.03	ppb	# 54
69) 4-ethyltoluene	19.31	105	670066	2.06	ppb	74
70) 1,3,5-trimethylbenzene	19.39	105	598562	2.03	ppb	96
71) 1,2,4-trimethylbenzene	19.89	105	574454	2.12	ppb	95
72) 1,3-dichlorobenzene	20.23	146	375910	2.02	ppb	97
73) benzyl chloride	20.31	91	328536	2.18	ppb	100
74) 1,4-dichlorobenzene	20.39	146	381174	2.04	ppb	93
75) 1,2,3-trimethylbenzene	20.43	105	623048	2.09	ppb	96
76) 1,2-dichlorobenzene	20.75	146	387897	2.06	ppb	95
77) 1,2,4-trichlorobenzene	22.87	180	226407	2.43	ppb	98
78) Naphthalene	23.07	128	584539	2.40	ppb	99
79) Hexachloro-1,3-butadiene	23.20	225	346929	2.03	ppb	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed
 AT020103.D A201_1UG.M Fri Feb 04 14:00:53 2022 MSD1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AT020103.D
 Acq On : 1 Feb 2022 7:48 pm
 Sample : AUG 2.0
 Misc : A201_IUG
 MS Integration Params: RPRINT.P
 Quant Time: Feb 2 4:51 2022

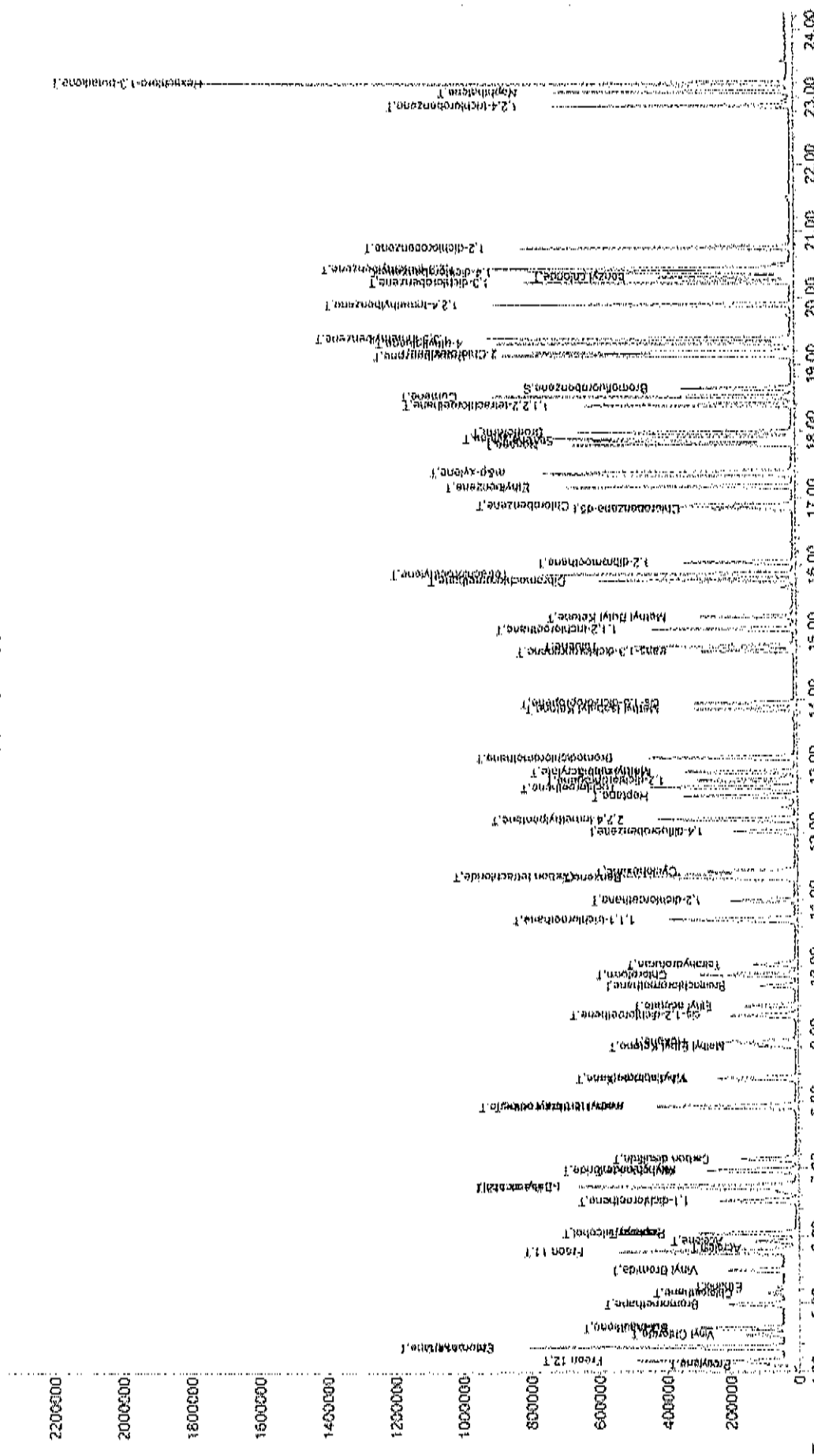
Vial: 2
 Operator: RJP
 Inst : MSD #1
 Multiplr: 1.00

Quant Results File: A201_IUG.RES

Method : C:\HPCHEM\1\METHODS\A201_IUG.M (PTE Integrator)
 Title : TO-15 VOC Standards for 5 point calibration
 Last Update : Wed Feb 02 07:40:12 2022
 Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AT020106.D

Abundance

TIC: AT020103.D



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AT020104.D
 Acq On : 1 Feb 2022 8:34 pm
 Sample : A1UG_1.50
 Misc : A201_1UG
 MS Integration Params: RTEINT.P
 Quant Time: Feb 02 04:50:57 2022

Vial: 3
 Operator: RJP
 Inst : MSD #1
 Multiplr: 1.00

Quant Results File: A201_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A201_1UG.M (RTE Integrator)
 Title : TO-15 VOA Standards for 5 point calibration
 Last Update : Wed Feb 02 04:49:48 2022
 Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AT020106.D
 DataAcq Meth : 1UG_ENT

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	9.72	128	41070	1.00	ppb	-0.03
35) 1,4-difluorobenzene	12.03	114	174446	1.00	ppb	-0.02
50) Chlorobenzene-d5	16.85	117	152535	1.00	ppb	-0.02

System Monitoring Compounds

65) Bromofluorobenzene	18.64	95	122651	0.99	ppb	-0.02
Spiked Amount	1.000	Range	70 - 130	Recovery	=	99.00%

Target Compounds

Qvalue

2) Propylene	4.10	41	50050	1.49	ppb	84
3) Freon 12	4.15	85	397867	1.47	ppb	100
4) Chloromethane	4.35	50	94459	1.43	ppb	94
5) Freon 114	4.35	85	320607	1.43	ppb	96
6) Vinyl Chloride	4.54	62	88493	1.51	ppb	95
7) Butane	4.64	43	105783	1.48	ppb	97
8) 1,3-butadiene	4.64	39	79390	1.36	ppb	99
9) Bromomethane	4.99	94	117908	1.43	ppb	99
10) Chloroethane	5.16	64	41421	1.49	ppb	90
11) Ethanol	5.25	45	21249	1.34	ppb	84
12) Acrolein	5.82	56	30138m	1.53	ppb	
13) Vinyl Bromide	5.49	106	129895	1.52	ppb	92
14) Freon 11	5.76	101	415920	1.33	ppb	99
15) Acetone	5.92	58	37565	1.25	ppb	# 46
16) Pentane	6.04	42	71844	1.39	ppb	88
17) Isopropyl alcohol	6.03	45	125968	1.40	ppb	83
18) 1,1-dichloroethene	6.53	96	87811	1.44	ppb	# 87
19) Freon 113	6.72	101	220672	1.41	ppb	97
20) t-Butyl alcohol	6.74	59	163332	1.38	ppb	97
21) Methylene chloride	6.98	84	78838	1.41	ppb	93
22) Allyl chloride	6.96	41	82527	1.43	ppb	98
23) Carbon disulfide	7.14	76	244548	1.41	ppb	99
24) trans-1,2-dichloroethene	7.92	61	124568	1.41	ppb	93
25) methyl tert-butyl ether	7.93	73	228063	1.44	ppb	90
26) 1,1-dichloroethane	8.34	63	163417	1.48	ppb	95
27) Vinyl acetate	8.33	43	118860	1.44	ppb	99
28) Methyl Ethyl Ketone	8.82	72	37034	1.48	ppb	# 100
29) cis-1,2-dichloroethene	9.28	61	117092	1.43	ppb	91
30) Hexane	8.88	57	107637	1.59	ppb	94
31) Ethyl acetate	9.42	43	170717	1.39	ppb	98
32) Chloroform	9.89	83	239789	1.42	ppb	99
33) Tetrahydrofuran	10.04	42	64748	1.46	ppb	90
34) 1,2-dichloroethane	10.99	62	182777	1.49	ppb	99
36) 1,1,1-trichloroethane	10.70	97	273970	1.47	ppb	98
37) Cyclohexane	11.42	56	96080	1.54	ppb	# 83
38) Carbon tetrachloride	11.36	117	336345	1.51	ppb	98
39) Benzene	11.32	78	233760	1.49	ppb	94
40) Methyl methacrylate	12.91	41	107590	1.53	ppb	92
41) 1,4-dioxane	12.91	88	61133	1.52	ppb	93
42) 2,2,4-trimethylpentane	12.20	57	305502	1.50	ppb	91
43) Heptane	12.55	43	106604	1.52	ppb	99
44) Trichloroethene	12.67	130	128140	1.56	ppb	97
45) 1,2-dichloropropane	12.78	63	80490	1.51	ppb	98

(H) = qualifier out of range (m) = manual integration

AT020104.D A201_1UG.M

Fri Feb 04 14:00:57 2022

MSD1

Page 1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AT020104.D Vial: 3
 Acq On : 1 Feb 2022 8:34 pm Operator: RJP
 Sample : A1UG_1.50 Inst : MSD #1
 Misc : A201_1UG Multiplr: 1.00
 MS Integration Params: RTEINT.P
 Quant Time: Feb 02 04:50:57 2022 Quant Results File: A201_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A201_1UG.M (RTE Integrator)
 Title : TO-15 VOA Standards for 5 point calibration
 Last Update : Wed Feb 02 04:49:48 2022
 Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AT020106.D
 DataAcq Meth : 1UG_ENT

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
46) Bromodichloromethane	13.12	83	267158	1.51	ppb	100
47) cis-1,3-dichloropropene	13.94	75	147772	1.51	ppb	97
48) trans-1,3-dichloropropene	14.72	75	137657	1.56	ppb	98
49) 1,1,2-trichloroethane	15.05	97	109677	1.51	ppb	99
51) Toluene	14.80	92	172273	1.46	ppb	98
52) Methyl Isobutyl Ketone	13.85	43	159909	1.47	ppb	96
53) Dibromochloromethane	15.78	129	264213	1.46	ppb	100
54) Methyl Butyl Ketone	15.23	43	153413	1.53	ppb	97
55) 1,2-dibromoethane	16.04	107	180085	1.48	ppb	97
56) Tetrachloroethylene	15.87	164	134111	1.45	ppb	98
57) Chlorobenzene	16.90	112	249745	1.43	ppb	95
58) Ethylbenzene	17.17	91	411561	1.51	ppb	97
59) m&p-xylene	17.39	91	708444	2.99	ppb	94
60) Nonane	17.80	43	171223	1.52	ppb	99
61) Styrene	17.86	104	253936	1.47	ppb	85
62) Bromoform	17.99	173	255267	1.47	ppb	100
63) o-xylene	17.89	91	376852	1.47	ppb	92
64) Cumene	18.52	105	484714	1.51	ppb	98
66) 1,1,2,2-tetrachloroethane	18.39	83	236180	1.45	ppb	100
67) Propylbenzene	19.13	120	131099	1.49	ppb	91
68) 2-Chlorotoluene	19.17	126	129197	1.51	ppb	# 55
69) 4-ethyltoluene	19.32	105	491346	1.52	ppb	76
70) 1,3,5-trimethylbenzene	19.39	105	441239	1.50	ppb	95
71) 1,2,4-trimethylbenzene	19.90	105	413906	1.54	ppb	95
72) 1,3-dichlorobenzene	20.23	146	276623	1.49	ppb	97
73) benzyl chloride	20.31	91	231834	1.55	ppb	98
74) 1,4-dichlorobenzene	20.38	146	278888	1.51	ppb	93
75) 1,2,3-trimethylbenzene	20.44	105	451352	1.53	ppb	96
76) 1,2-dichlorobenzene	20.75	146	282472	1.51	ppb	95
77) 1,2,4-trichlorobenzene	22.86	180	153436	1.66	ppb	98
78) Naphthalene	23.07	128	389763	1.61	ppb	99
79) Hexachloro-1,3-butadiene	23.20	225	252980	1.49	ppb	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed
 AT020104.D A201_1UG.M Fri Feb 04 14:00:57 2022 MSD1

```
Vial: 3
Operator: RJP
Inst : MSD #1
Multiplier: 1.00
```

SUBJECT: NOTIFICATION

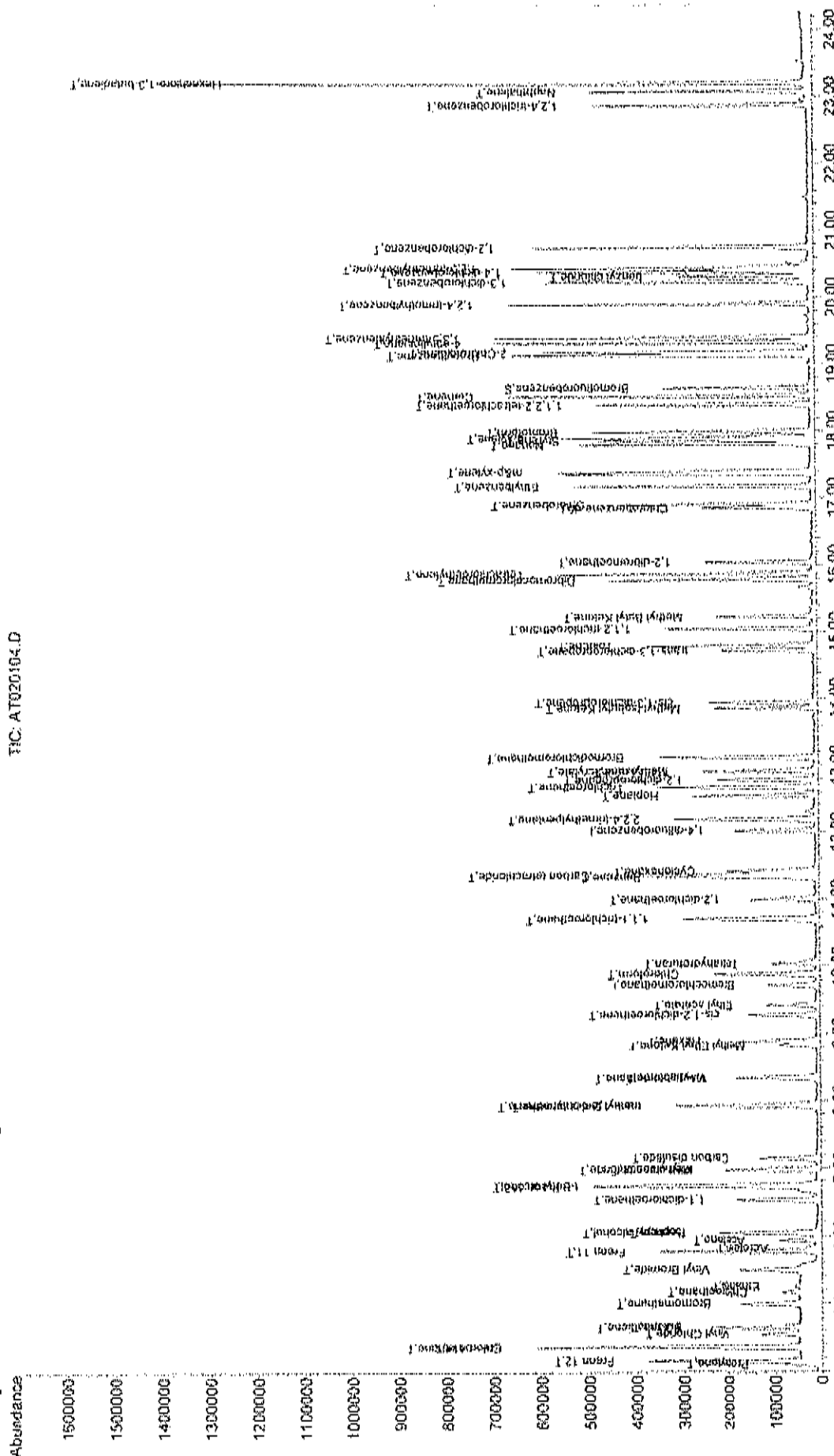
Quant Results File: 4201 EUS.RES

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Method : C:\HPCHEM\1\METHODS\A201_LUG.M (RTE Integrator)
Title   : TO-15 VOA Standards for 5 point calibration
Last Update : Wed Feb 02 07:40:12 2022
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AT020106.D

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File: AT020194.D



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AT020105.D
 Acq On : 1 Feb 2022 9:18 pm
 Sample : A1UG_1.25
 Misc : A201_1UG
 MS Integration Params: RTEINT.P
 Quant Time: Feb 02 04:50:26 2022

Vial: 4
 Operator: RJP
 Inst : MSD #1
 Multiplr: 1.00

Quant Results File: A201_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A201_1UG.M (RTE Integrator)
 Title : TO-15 VOA Standards for 5 point calibration
 Last Update : Wed Feb 02 04:49:48 2022
 Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AT020106.D
 DataAcq Meth : 1UG_ENT

Internal Standards	R.T.	Qion	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	9.71	128	42432	1.00	ppb	-0.04
35) 1,4-difluorobenzene	12.02	114	175158	1.00	ppb	-0.02
50) Chlorobenzene-d5	16.85	117	150477	1.00	ppb	-0.02

System Monitoring Compounds

65) Bromofluorobenzene	18.64	95	120481	0.99	ppb	-0.02
Spiked Amount	1.000	Range	70 - 130	Recovery	=	99.00%

Target Compounds

Qvalue

2) Propylene	4.10	41	42840	1.23	ppb	92
3) Freon 12	4.15	85	333064	1.19	ppb	99
4) Chloromethane	4.35	50	80462	1.18	ppb	95
5) Freon 114	4.34	85	273647	1.18	ppb	95
6) Vinyl Chloride	4.53	62	76327	1.26	ppb	92
7) Butane	4.64	43	86948	1.17	ppb	99
8) 1,3-butadiene	4.64	39	69766	1.16	ppb	92
9) Bromomethane	4.99	94	95532	1.12	ppb	97
10) Chloroethane	5.16	64	34555	1.21	ppb	91
11) Ethanol	5.25	45	17517	1.07	ppb	94
12) Acrolein	5.82	56	19608	0.97	ppb	93
13) Vinyl Bromide	5.49	106	105876	1.20	ppb	96
14) Freon 11	5.76	101	347912	1.08	ppb	99
15) Acetone	5.93	58	34022	1.10	ppb	# 59
16) Pentane	6.04	42	60790	1.14	ppb	89
17) Isopropyl alcohol	6.03	45	107556	1.16	ppb	# 82
18) 1,1-dichloroethene	6.53	96	73272	1.16	ppb	# 86
19) Freon 113	6.72	101	185380	1.14	ppb	97
20) t-Butyl alcohol	6.74	59	135821	1.11	ppb	97
21) Methylene chloride	6.98	84	64754	1.12	ppb	92
22) Allyl chloride	6.96	41	66278	1.11	ppb	96
23) Carbon disulfide	7.14	76	204509	1.14	ppb	100
24) trans-1,2-dichloroethene	7.91	61	104240	1.14	ppb	93
25) methyl tert-butyl ether	7.93	73	188571	1.16	ppb	91
26) 1,1-dichloroethane	8.34	63	132829	1.17	ppb	97
27) Vinyl acetate	8.32	43	96479	1.13	ppb	98
28) Methyl Ethyl Ketone	8.81	72	31824	1.23	ppb	# 100
29) cis-1,2-dichloroethene	9.27	61	99891	1.18	ppb	88
30) Hexane	8.88	57	90340	1.29	ppb	94
31) Ethyl acetate	9.41	43	148379	1.17	ppb	96
32) Chloroform	9.88	83	202959	1.17	ppb	99
33) Tetrahydrofuran	10.04	42	53404	1.17	ppb	89
34) 1,2-dichloroethane	10.99	62	152640	1.21	ppb	100
36) 1,1,1-trichloroethane	10.71	97	225196	1.20	ppb	99
37) Cyclohexane	11.41	56	78322	1.25	ppb	# 78
38) Carbon tetrachloride	11.36	117	277435	1.24	ppb	100
39) Benzene	11.32	78	198119	1.26	ppb	92
40) Methyl methacrylate	12.91	41	86524	1.22	ppb	96
41) 1,4-dioxane	12.92	88	49867	1.23	ppb	95
42) 2,2,4-trimethylpentane	12.20	57	257121	1.26	ppb	92
43) Heptane	12.55	43	88930	1.27	ppb	98
44) Trichloroethene	12.67	130	106725	1.30	ppb	96
45) 1,2-dichloropropane	12.77	63	68253	1.28	ppb	98

(#) = qualifier out of range (m) = manual integration

AT020105.D A201_1UG.M

Fri Feb 04 14:01:00 2022

MSD1

Page 1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AT020105.D
 Acq On : 1 Feb 2022 9:18 pm
 Sample : A1UG_1.25
 Misc : A201_1UG
 MS Integration Params: RTEINT.P
 Quant Time: Feb 02 04:50:26 2022

Vial: 4
 Operator: RJP
 Inst : MSD #1
 Multiplr: 1.00

Quant Results File: A201_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A201_1UG.M (RTE Integrator)
 Title : TO-15 VOA Standards for 5 point calibration
 Last Update : Wed Feb 02 04:49:48 2022
 Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AT020106.D
 DataAcq Meth : 1UG_ENT

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
46) Bromodichloromethane	13.12	83	222224	1.25	ppb	100
47) cis-1,3-dichloropropene	13.94	75	121718	1.24	ppb	98
48) trans-1,3-dichloropropene	14.72	75	113944	1.30	ppb	98
49) 1,1,2-trichloroethane	15.05	97	92146	1.26	ppb	99
51) Toluene	14.79	92	143903	1.23	ppb	96
52) Methyl Isobutyl Ketone	13.85	43	132254	1.24	ppb	98
53) Dibromochloromethane	15.78	129	222702	1.25	ppb	99
54) Methyl Butyl Ketone	15.23	43	129928	1.31	ppb	95
55) 1,2-dibromoethane	16.04	107	149276	1.25	ppb	98
56) Tetrachloroethylene	15.87	164	112844	1.24	ppb	97
57) Chlorobenzene	16.90	112	210627	1.22	ppb	95
58) Ethylbenzene	17.17	91	339393	1.26	ppb	98
59) m,p-xylene	17.39	91	563376	2.49	ppb	94
60) Nonane	17.80	43	143088	1.29	ppb	98
61) Styrene	17.86	104	212055	1.24	ppb	85
62) Bromoform	17.99	173	210794	1.23	ppb	99
63) o-xylene	17.89	91	312249	1.24	ppb	93
64) Cumene	18.52	105	403497	1.28	ppb	97
66) 1,1,2,2-tetrachloroethane	18.39	83	192514	1.20	ppb	98
67) Propylbenzene	19.12	120	106269	1.22	ppb	95
68) 2-Chlorotoluene	19.18	126	108079	1.28	ppb	# 57
69) 4-ethyltoluene	19.32	105	401269	1.26	ppb	75
70) 1,3,5-trimethylbenzene	19.39	105	364406	1.26	ppb	96
71) 1,2,4-trimethylbenzene	19.89	105	346565	1.31	ppb	95
72) 1,3-dichlorobenzene	20.23	146	231700	1.27	ppb	97
73) benzyl chloride	20.31	91	189803	1.29	ppb	100
74) 1,4-dichlorobenzene	20.38	146	226801	1.24	ppb	94
75) 1,2,3-trimethylbenzene	20.43	105	367669	1.26	ppb	96
76) 1,2-dichlorobenzene	20.75	146	230548	1.25	ppb	93
77) 1,2,4-trichlorobenzene	22.87	180	122724	1.35	ppb	98
78) Naphthalene	23.08	128	313386	1.31	ppb	99
79) Hexachloro-1,3-butadiene	23.20	225	210762	1.26	ppb	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed
 AT020105.D A201_1UG.M Fri Feb 04 14:01:00 2022 MSD1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AT020105.D
 Acq On : 1 Feb 2022 9:18 pm
 Sample : A100_1.25
 Misc : A201_1UG
 MS Integration Params: RTEINT.P
 Quant Time: Feb 2 4:50 2022

Vial: 4
 Operator: RJP
 Inst : MSD #1
 Multiplr: 1.00

Quant Results File: A201_1UG.RES

Method : C:\HPCHEM\1\METHODS\A201_1UG.M (RTE Integrator)
 Title : TO-15 VOA Standards for 5 point calibration
 Last Update : Wed Feb 02 07:40:12 2022
 Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AT020105.D
 NC-A1020105.D

Abundance

1400000

1300000

1200000

1100000

1000000

900000

800000

700000

600000

500000

400000

300000

200000

100000

0

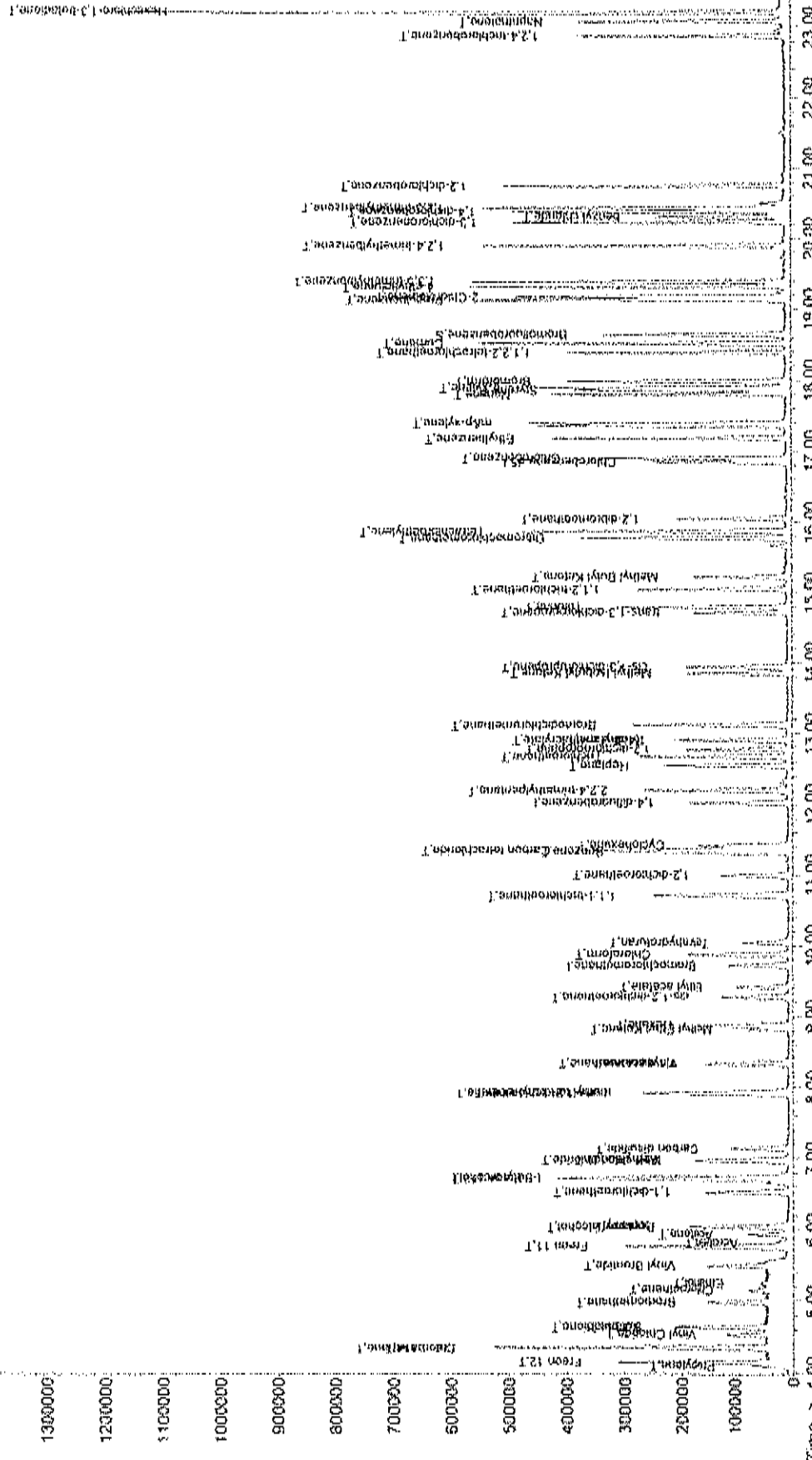
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AT020105.D A201_1UG.M

Fri Feb 04 14:01:01 2022

MSD1

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Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AT020106.D

Vial: 5

Acq On : 1 Feb 2022 10:02 pm

Operator: RJP

Sample : A1UG_1.0

Inst : MSD #1

Misc : A201_1UG

Multiplr: 1.00

MS Integration Params: RTEINT.P

Quant Time: Feb 02 04:50:07 2022

Quant Results File: A201_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A201_1UG.M (RTE Integrator)

Title : TO-15 VOA Standards for 5 point calibration

Last Update : Wed Feb 02 04:49:48 2022

Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AT020106.D

DataAcq Meth : 1UG_ENT

Internal Standards	R.T.	Qion	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	9.72	128	40292	1.00	ppb	-0.03
35) 1,4-difluorobenzene	12.02	114	175777	1.00	ppb	-0.02
50) Chlorobenzene-d5	16.84	117	148005	1.00	ppb	-0.02

System Monitoring Compounds

65) Bromofluorobenzene	18.64	95	120169	1.00	ppb	-0.02
Spiked Amount	1.000	Range	70 - 130	Recovery	=	100.00%

Target Compounds

						Qvalue
2) Propylene	4.10	41	33056	1.00	ppb	85
3) Freon 12	4.15	85	266177	1.00	ppb	100
4) Chloromethane	4.35	50	44927	1.00	ppb	94
5) Freon 114	4.35	85	219629	1.00	ppb	96
6) Vinyl Chloride	4.54	62	57478	1.00	ppb	99
7) Butane	4.64	43	70307	1.00	ppb	# 94
8) 1,3-butadiene	4.64	39	59173m	1.03	ppb	
9) Bromomethane	4.99	94	80671	1.00	ppb	97
10) Chloroethane	5.16	64	27204	1.00	ppb	# 87
11) Ethanol	5.24	45	15589	1.00	ppb	97
12) Acrolein	5.82	56	19281	1.00	ppb	89
13) Vinyl Bromide	5.49	106	83734	1.00	ppb	99
14) Freon 11	5.76	101	306857	1.00	ppb	99
15) Acetone	5.92	58	29499	1.00	ppb	# 77
16) Pentane	6.03	42	50808	1.00	ppb	87
17) Isopropyl alcohol	6.02	45	88235	1.00	ppb	87
18) 1,1-dichloroethene	6.52	96	59898	1.00	ppb	# 82
19) Freon 113	6.72	101	153913	1.00	ppb	98
20) t-Butyl alcohol	6.75	59	116431	1.00	ppb	96
21) Methylene chloride	6.97	84	54707	1.00	ppb	94
22) Allyl chloride	6.96	41	56765	1.00	ppb	96
23) Carbon disulfide	7.13	76	169942	1.00	ppb	99
24) trans-1,2-dichloroethene	7.91	61	86875	1.00	ppb	94
25) methyl tert-butyl ether	7.94	73	154891	1.00	ppb	91
26) 1,1-dichloroethane	8.34	63	108206	1.00	ppb	96
27) Vinyl acetate	8.33	43	80796	1.00	ppb	98
28) Methyl Ethyl Ketone	8.82	72	24538	1.00	ppb	# 100
29) cis-1,2-dichloroethene	9.27	61	80098	1.00	ppb	89
30) Hexane	8.87	57	66396	1.00	ppb	88
31) Ethyl acetate	9.42	43	120759	1.00	ppb	95
32) Chloroform	9.89	83	165232	1.00	ppb	100
33) Tetrahydrofuran	10.04	42	43424	1.00	ppb	92
34) 1,2-dichloroethane	11.00	62	120259	1.00	ppb	99
36) 1,1,1-trichloroethane	10.70	97	187578	1.00	ppb	99
37) Cyclohexane	11.42	56	62830	1.00	ppb	# 79
38) Carbon tetrachloride	11.36	117	224137	1.00	ppb	99
39) Benzene	11.32	78	157609	1.00	ppb	95
40) Methyl methacrylate	12.90	41	70890	1.00	ppb	94
41) 1,4-dioxane	12.92	88	40617	1.00	ppb	89
42) 2,2,4-trimethylpentane	12.19	57	204862	1.00	ppb	91
43) Heptane	12.55	43	70541	1.00	ppb	97
44) Trichloroethene	12.67	130	82574	1.00	ppb	91
45) 1,2-dichloropropane	12.77	63	53714	1.00	ppb	100

(#)=qualifier out of range (m)=manual integration

AT020106.D A201_1UG.M

Fri Feb 04 14:01:03 2022

MSD1

Page 1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AT020106.D
 Acq On : 1 Feb 2022 10:02 pm
 Sample : A1UG_1.0
 Misc : A201_1UG
 MS Integration Params: RTEINT.P
 Quant Time: Feb 02 04:50:07 2022

Vial: 5
 Operator: RJP
 Inst : MSD #1
 Multiplr: 1.00

Quant Results File: A201_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A201_1UG.M (RTE Integrator)
 Title : TO-15 VOA Standards for 5 point calibration
 Last Update : Wed Feb 02 04:49:48 2022
 Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AT020106.D
 DataAcq Meth : 1UG_ENT

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
46) Bromodichloromethane	13.12	83	178151	1.00	ppb	99
47) cis-1,3-dichloropropene	13.94	75	98755	1.00	ppb	97
48) trans-1,3-dichloropropene	14.71	75	87886	1.00	ppb	98
49) 1,1,2-trichloroethane	15.05	97	73114	1.00	ppb	100
51) Toluene	14.80	92	114725	1.00	ppb	99
52) Methyl Isobutyl Ketone	13.85	43	105290	1.00	ppb	97
53) Dibromochloromethane	15.78	129	175229	1.00	ppb	100
54) Methyl Butyl Ketone	15.23	43	97438	1.00	ppb	94
55) 1,2-dibromoethane	16.04	107	117821	1.00	ppb	97
56) Tetrachloroethylene	15.87	164	89836	1.00	ppb	96
57) Chlorobenzene	16.90	112	169690	1.00	ppb	95
58) Ethylbenzene	17.18	91	265011	1.00	ppb	99
59) m&p-xylene	17.39	91	460100	2.00	ppb	94
60) Nonane	17.80	43	109474	1.00	ppb	98
61) Styrene	17.86	104	167956	1.00	ppb	87
62) Bromoform	17.98	173	168640	1.00	ppb	99
63) o-xylene	17.89	91	248190	1.00	ppb	94
64) Cumene	18.52	105	310545	1.00	ppb	99
66) 1,1,2,2-tetrachloroethane	18.39	83	158276	1.00	ppb	99
67) Propylbenzene	19.13	120	85577	1.00	ppb	90
68) 2-Chlorotoluene	19.17	126	82968	1.00	ppb	# 52
69) 4-ethyltoluene	19.32	105	312633	1.00	ppb	76
70) 1,3,5-trimethylbenzene	19.39	105	284633	1.00	ppb	98
71) 1,2,4-trimethylbenzene	19.90	105	260921	1.00	ppb	95
72) 1,3-dichlorobenzene	20.23	146	179606	1.00	ppb	97
73) benzyl chloride	20.31	91	144871	1.00	ppb	98
74) 1,4-dichlorobenzene	20.38	146	179775	1.00	ppb	94
75) 1,2,3-trimethylbenzene	20.44	105	286925	1.00	ppb	96
76) 1,2-dichlorobenzene	20.75	146	181010	1.00	ppb	94
77) 1,2,4-trichlorobenzene	22.87	180	89618	1.00	ppb	97
78) Naphthalene	23.08	128	235112	1.00	ppb	99
79) Hexachloro-1,3-butadiene	23.20	225	164635	1.00	ppb	94

Data File : C:\HPCHEM\1\DATA\RT02020106.D
Acq On : 1 Feb 2022 10:02 PM
Sample : A10G 1.C
Misc : A201_11US
MS Integration Params: RTEINT.P
Quant Time: Feb 2 5:05 2022

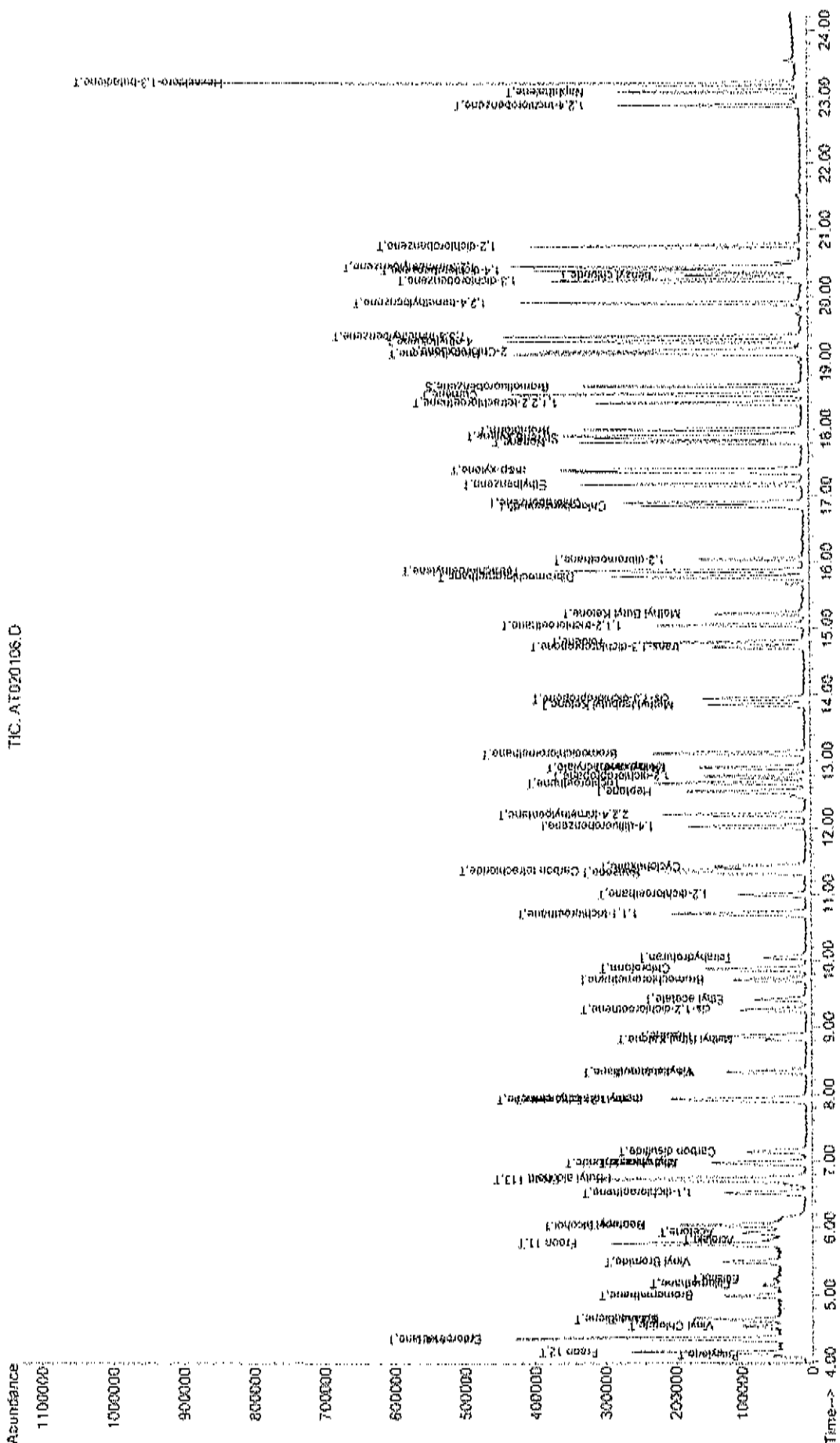
Quant Results File: A201 IUG.RES

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Mechod      : C:\HPCHEM\1\METHODS\A201_106.M (ATE Integrator)
Title       : TO-15 VOA Standards for 5 point Calibration
Last Update : Wed Feb 02 07:40:12 2022
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\A2020106.

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THE ARIZONA



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AT020107.D
 Acq On : 1 Feb 2022 10:45 pm
 Sample : A1UG_0.75
 Misc : A201_1UG
 MS Integration Params: RTEINT.P
 Quant Time: Feb 02 04:52:19 2022

Vial: 6
 Operator: RJP
 Inst: MSD #1
 Multiplr: 1.00

Quant Results File: A201_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A201_1UG.M (RTE Integrator)
 Title : TO-15 VOA Standards for 5 point calibration
 Last Update : Wed Feb 02 04:49:48 2022
 Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AT020106.D
 DataAcq Meth : 1UG_ENT

Internal Standards	R.T.	Q Ion	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	9.72	128	40026	1.00	ppb	-0.03
35) 1,4-difluorobenzene	12.02	114	172455	1.00	ppb	-0.02
50) Chlorobenzene-d5	16.84	117	147127	1.00	ppb	-0.02

System Monitoring Compounds

65) Bromofluorobenzene	18.64	95	115019	0.96	ppb	-0.01
Spiked Amount	1.000	Range	70 - 130	Recovery	=	96.00%

Target Compounds

	R.T.	Q Ion	Response	Conc	Units	Qvalue
2) Propylene	4.11	41	25918	0.79	ppb	86
3) Freon 12	4.15	85	202730	0.77	ppb	99
4) Chloromethane	4.35	50	51382	0.80	ppb	93
5) Freon 114	4.35	85	162698	0.75	ppb	98
6) Vinyl Chloride	4.54	62	46764	0.82	ppb	95
7) Butane	4.64	43	54524	0.78	ppb	99
8) 1,3-butadiene	4.64	39	42718	0.75	ppb	96
9) Bromomethane	4.98	94	60554	0.76	ppb	98
10) Chloroethane	5.15	64	20926	0.77	ppb	# 87
11) Ethanol	5.24	45	10926	0.71	ppb	93
12) Acrolein	5.82	56	14040m	0.73	ppb	
13) Vinyl Bromide	5.49	106	65159	0.78	ppb	97
14) Freon 11	5.77	101	237585	0.78	ppb	100
15) Acetone	5.93	58	21689	0.74	ppb	# 57
16) Pentane	6.04	42	37319	0.74	ppb	# 88
17) Isopropyl alcohol	6.03	45	64140	0.73	ppb	84
18) 1,1-dichloroethene	6.52	96	45957	0.77	ppb	88
19) Freon 113	6.72	101	114304	0.75	ppb	98
20) t-Butyl alcohol	6.75	59	80732	0.70	ppb	100
21) Methylene chloride	6.98	84	39958	0.74	ppb	94
22) Allyl chloride	6.96	41	40876	0.72	ppb	96
23) Carbon disulfide	7.14	76	127322	0.75	ppb	99
24) trans-1,2-dichloroethene	7.92	61	65320	0.76	ppb	92
25) methyl tert-butyl ether	7.93	73	111836	0.73	ppb	91
26) 1,1-dichloroethane	8.33	63	79451	0.74	ppb	96
27) Vinyl acetate	8.33	43	57085	0.71	ppb	96
28) Methyl Ethyl Ketone	8.82	72	19357	0.79	ppb	# 100
29) cis-1,2-dichloroethene	9.27	61	59294	0.75	ppb	91
30) Hexane	8.88	57	52519	0.80	ppb	90
31) Ethyl acetate	9.43	43	87551	0.73	ppb	98
32) Chloroform	9.88	83	125915	0.77	ppb	98
33) Tetrahydrofuran	10.05	42	32301	0.75	ppb	89
34) 1,2-dichloroethane	10.99	62	91990	0.77	ppb	99
36) 1,1,1-trichloroethane	10.71	97	138969	0.76	ppb	100
37) Cyclohexane	11.42	56	48272	0.78	ppb	# 83
38) Carbon tetrachloride	11.36	117	168327	0.77	ppb	100
39) Benzene	11.32	78	116191	0.75	ppb	96
40) Methyl methacrylate	12.91	41	51285	0.74	ppb	93
41) 1,4-dioxane	12.92	88	29814	0.75	ppb	90
42) 2,2,4-trimethylpentane	12.19	57	151206	0.75	ppb	89
43) Heptane	12.55	43	51935	0.75	ppb	98
44) Trichloroethene	12.67	130	64409	0.80	ppb	94
45) 1,2-dichloropropane	12.78	63	39872	0.76	ppb	98

(#) = qualifier out of range (m) = manual integration

AT020107.D A201_1UG.M

Fri Feb 04 14:01:07 2022

MSD1

Page 1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AT020107.D

Vial: 6

Acq On : 1 Feb 2022 10:45 pm

Operator: RJP

Sample : A1UG_0.75

Inst : MSD #1

Misc : A201_1UG

Multiplr: 1.00

MS Integration Params: RTEINT.F

Quant Time: Feb 02 04:52:19 2022

Quant Results File: A201_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A201_1UG.M (RTE Integrator)

Title : TO-15 VOA Standards for 5 point calibration

Last Update : Wed Feb 02 04:49:48 2022

Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AT020106.D

DataAcq Meth : 1UG_ENT

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
46) Bromodichloromethane	13.11	83	131192	0.75	ppb	98
47) cis-1,3-dichloropropene	13.94	75	70471	0.73	ppb	99
48) trans-1,3-dichloropropene	14.72	75	65601	0.76	ppb	99
49) 1,1,2-trichloroethane	15.04	97	55591	0.77	ppb	99
51) Toluene	14.80	92	85876	0.75	ppb	100
52) Methyl Isobutyl Ketone	13.85	43	74636	0.71	ppb	98
53) Dibromochloromethane	15.78	129	129857	0.75	ppb	99
54) Methyl Butyl Ketone	15.23	43	69839	0.72	ppb	94
55) 1,2-dibromoethane	16.04	107	87847	0.75	ppb	98
56) Tetrachloroethylene	15.87	164	66732	0.75	ppb	100
57) Chlorobenzene	16.90	112	124627	0.74	ppb	96
58) Ethylbenzene	17.17	91	196004	0.74	ppb	98
59) m&p-xylene	17.39	91	336211	1.47	ppb	93
60) Nonane	17.80	43	79526	0.73	ppb	98
61) Styrene	17.86	104	124480	0.75	ppb	87
62) Bromoform	17.98	173	124579	0.74	ppb	98
63) o-xylene	17.89	91	183853	0.75	ppb	94
64) Cumene	18.52	105	226603	0.73	ppb	99
66) 1,1,2,2-tetrachloroethane	18.39	83	116368	0.74	ppb	99
67) Propylbenzene	19.13	120	61803	0.73	ppb	92
68) 2-Chlorotoluene	19.18	126	62643	0.76	ppb	# 61
69) 4-ethyltoluene	19.32	105	233140	0.74	ppb	75
70) 1,3,5-trimethylbenzene	19.39	105	207789	0.73	ppb	96
71) 1,2,4-trimethylbenzene	19.90	105	191240	0.74	ppb	97
72) 1,3-dichlorobenzene	20.23	146	131496	0.74	ppb	98
73) benzyl chloride	20.31	91	106985	0.74	ppb	100
74) 1,4-dichlorobenzene	20.38	146	130154	0.73	ppb	94
75) 1,2,3-trimethylbenzene	20.43	105	209917	0.74	ppb	98
76) 1,2-dichlorobenzene	20.75	146	132662	0.74	ppb	95
77) 1,2,4-trichlorobenzene	22.87	180	61793	0.69	ppb	98
78) Naphthalene	23.08	128	157091	0.67	ppb	99
79) Hexachloro-1,3-butadiene	23.20	225	120629	0.74	ppb	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed
 AT020107.D A201_1UG.M Fri Feb 04 14:01:07 2022 MSD1

Data File : C:\HPCHEM\1\DATA\RT020107.D
Acq On : 1 Feb 2022 10:45 pm
Sample : AUG 0.75
Misc : A201.LUG
MS Integration Params: RTEINT.P
Quant time: Feb 2 5:06 2022

Vial: 6
Operator: RJP
Inst : MSD #1
Multiplier: 1.00

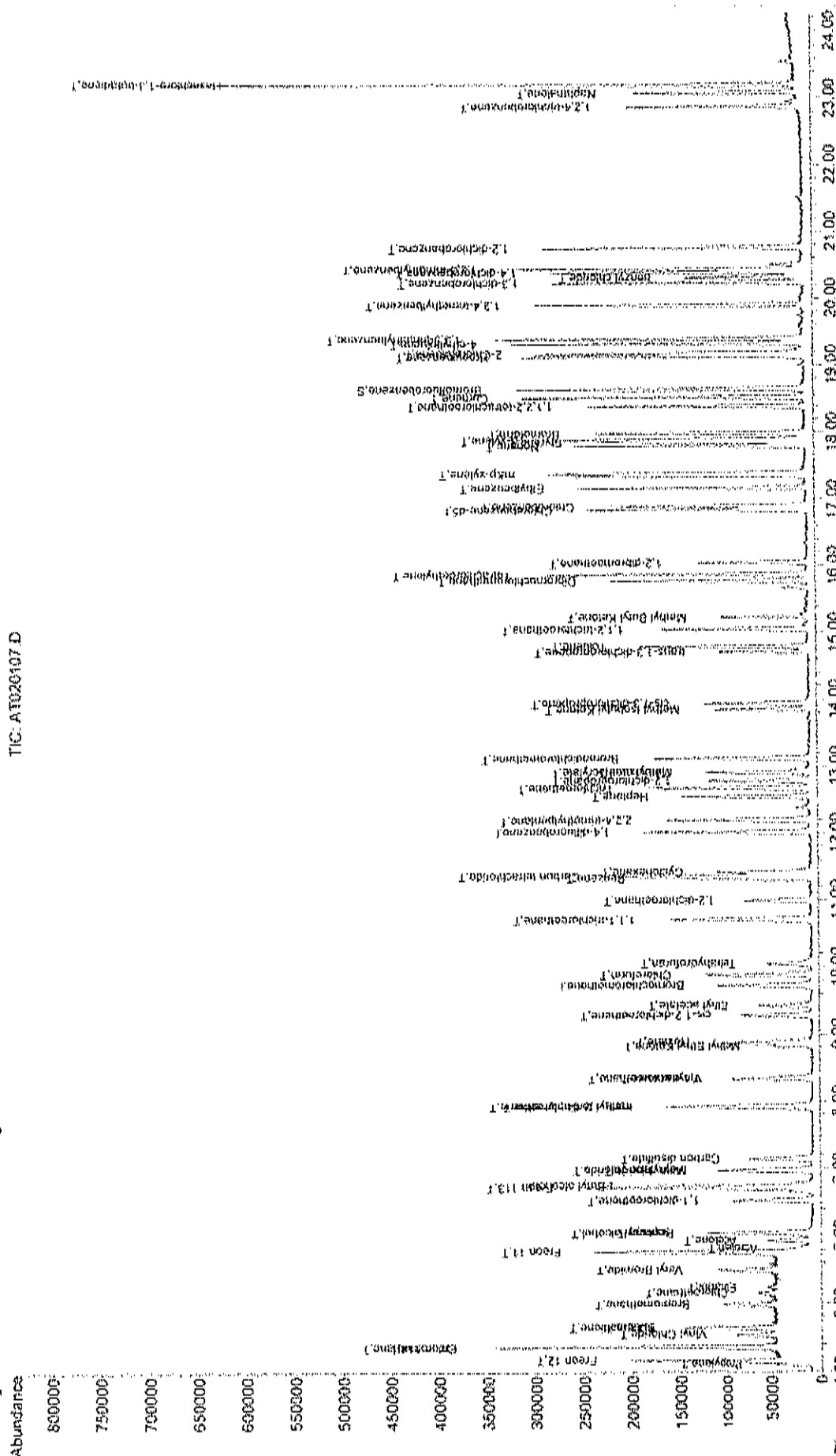
Quant Results File: A201 IUC.R3S

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: C:\HCHEM\1\METHODS\A201_1UG.M (RTS Integrator)
: TO-15 VOCs Standards for 5 point calibration
: Last Update : Wed Feb 02 07:40:12 2022
: Response via : Continuing Cal File: C:\HCHEM\1\DATA\AT020106.M

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FILE: A1020107.D



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AT020108.D

Vial: 7

Acq On : 1 Feb 2022 11:27 pm

Operator: RJP

Sample : ALUG_0.50

Inst : MSD #1

Misc : A201_1UG

Multiplr: 1.00

MS Integration Params: RTEINT.F

Quant Time: Feb 02 04:53:00 2022

Quant Results File: A201_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A201_1UG.M (RTE Integrator)

Title : TO-15 VOA Standards for 5 point calibration

Last Update : Wed Feb 02 04:49:48 2022

Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AT020106.D

DataAcq Meth : 1UG_ENT

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	9.72	128	39590	1.00	ppb	-0.03
35) 1,4-difluorobenzene	12.02	114	172637	1.00	ppb	-0.02
50) Chlorobenzene-d5	16.84	117	144743	1.00	ppb	-0.02

System Monitoring Compounds

65) Bromofluorobenzene	18.64	95	107699	0.92	ppb	-0.01
Spiked Amount	1.000	Range	70 - 130	Recovery	%	92.00%

Target Compounds

						Qvalue
2) Propylene	4.09	41	18075	0.56	ppb	90
3) Freon 12	4.15	85	138060	0.53	ppb	98
4) Chloromethane	4.35	50	34697	0.54	ppb	96
5) Freon 114	4.35	85	111902	0.52	ppb	95
6) Vinyl Chloride	4.54	62	30865	0.55	ppb	94
7) Butane	4.64	43	37549	0.54	ppb	100
8) 1,3-butadiene	4.64	39	30122	0.54	ppb	93
9) Bromomethane	4.98	94	40345	0.51	ppb	100
10) Chloroethane	5.14	64	14171	0.53	ppb	# 83
11) Ethanol	5.25	45	8475m	0.55	ppb	
12) Acrolein	5.83	56	8602	0.45	ppb	94
13) Vinyl Bromide	5.49	106	42273	0.51	ppb	99
14) Freon 11	5.77	101	142008	0.47	ppb	99
15) Acetone	5.94	58	13551	0.47	ppb	# 37
16) Pentane	6.04	42	34702	0.49	ppb	# 89
17) Isopropyl alcohol	6.04	45	39531	0.46	ppb	90
18) 1,1-dichloroethene	6.53	96	29162	0.50	ppb	# 84
19) Freon 113	6.72	101	76484	0.51	ppb	95
20) t-Butyl alcohol	6.74	59	54578	0.48	ppb	97
21) Methylene chloride	6.97	84	26852	0.50	ppb	93
22) Allyl chloride	6.96	41	26203	0.47	ppb	93
23) Carbon disulfide	7.14	76	86206	0.52	ppb	100
24) trans-1,2-dichloroethene	7.91	61	41634	0.49	ppb	96
25) methyl tert-butyl ether	7.93	73	73833	0.49	ppb	92
26) 1,1-dichloroethane	8.33	63	53068	0.50	ppb	99
27) Vinyl acetate	8.32	43	38280	0.48	ppb	97
28) Methyl Ethyl Ketone	8.82	72	10333	0.43	ppb	# 100
29) cis-1,2-dichloroethene	9.28	61	38624	0.49	ppb	90
30) Hexane	9.88	57	35373	0.54	ppb	96
31) Ethyl acetate	9.42	43	58206	0.49	ppb	98
32) Chloroform	9.88	83	62267	0.51	ppb	99
33) Tetrahydrofuran	10.05	42	20964	0.49	ppb	91
34) 1,2-dichloroethane	11.00	62	60950	0.52	ppb	99
36) 1,1,1-trichloroethane	10.70	97	94283	0.51	ppb	97
37) Cyclohexane	11.42	56	29945	0.49	ppb	# 74
38) Carbon tetrachloride	11.36	117	113517	0.52	ppb	99
39) Benzene	11.32	78	75720	0.49	ppb	96
40) Methyl methacrylate	12.90	41	33274	0.48	ppb	93
41) 1,4-dioxane	12.93	88	19129	0.48	ppb	91
42) 2,2,4-trimethylpentane	12.19	57	98957	0.49	ppb	91
43) Heptane	12.54	43	33834	0.49	ppb	97
44) Trichloroethene	12.67	130	42108	0.52	ppb	95
45) 1,2-dichloropropane	12.77	63	26947	0.51	ppb	98

(#) = qualifier out of range (m) = manual integration

AT020108.D A201_1UG.M

Fri Feb 04 14:01:10 2022

MSD1

Page 1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AT020108.D
 Acq On : 1 Feb 2022 11:27 pm
 Sample : A1UG_0.50
 Misc : A201_1UG
 MS Integration Params: RTEINT.P
 Quant Time: Feb 02 04:53:00 2022

Vial: 7
 Operator: RJP
 Inst : MSD #1
 Multiplr: 1.00

Quant Results File: A201_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A201_1UG.M (RTE Integrator)
 Title : TO-15 VOA Standards for 5 point calibration
 Last Update : Wed Feb 02 04:49:48 2022
 Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AT020106.D
 DataAcq Meth : 1UG_ENT

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
46) Bromodichloromethane	13.11	83	87311	0.50	ppb	97
47) cis-1,3-dichloropropene	13.94	75	47085	0.49	ppb	98
48) trans-1,3-dichloropropene	14.72	75	43258	0.50	ppb	98
49) 1,1,2-trichloroethane	15.05	97	37418	0.52	ppb	100
51) Toluene	14.80	92	55367	0.49	ppb	97
52) Methyl Isobutyl Ketone	13.85	43	50420	0.49	ppb	97
53) Dibromochloromethane	15.78	129	87491	0.51	ppb	99
54) Methyl Butyl Ketone	15.22	43	44845	0.47	ppb	95
55) 1,2-dibromoethane	16.04	107	57385	0.50	ppb	97
56) Tetrachloroethylene	15.87	164	43226	0.49	ppb	99
57) Chlorobenzene	16.90	112	79515	0.48	ppb	94
58) Ethylbenzene	17.17	91	123844	0.48	ppb	99
59) m,p-xylene	17.39	91	215871	0.96	ppb	93
60) Nonane	17.80	43	50992	0.48	ppb	95
61) Styrene	17.86	104	80994	0.49	ppb	85
62) Bromoform	17.98	173	83458	0.51	ppb	99
63) o-xylene	17.89	91	121462	0.50	ppb	94
64) Cumene	18.52	105	141926	0.47	ppb	97
66) 1,1,2,2-tetrachloroethane	18.39	83	75990	0.49	ppb	99
67) Propylbenzene	19.13	120	39263	0.47	ppb	93
68) 2-Chlorotoluene	19.16	126	38985	0.48	ppb	# 54
69) 4-ethyltoluene	19.32	105	144861	0.47	ppb	76
70) 1,3,5-trimethylbenzene	19.39	105	138388	0.50	ppb	94
71) 1,2,4-trimethylbenzene	19.89	105	117236	0.46	ppb	96
72) 1,3-dichlorobenzene	20.23	146	85479	0.49	ppb	96
73) benzyl chloride	20.31	91	62787	0.44	ppb	94
74) 1,4-dichlorobenzene	20.38	146	82416	0.47	ppb	94
75) 1,2,3-trimethylbenzene	20.43	105	132714	0.47	ppb	98
76) 1,2-dichlorobenzene	20.75	146	86293	0.49	ppb	96
77) 1,2,4-trichlorobenzene	22.87	180	36579	0.42	ppb	95
78) Naphthalene	23.07	128	92747	0.40	ppb	98
79) Hexachloro-1,3-butadiene	23.20	225	77769	0.48	ppb	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed
 AT020108.D A201_1UG.M Fri Feb 04 14:01:10 2022 MSD1

Quantitation Report (QI Reviewed)

Data File : C:\HPCHEM\1\DATA\AT020108.D
 Acq On : 1 Feb 2022 11:27 pm
 Sample : A1UG 0.50
 Misc : A201_1UG
 MS Integration Params: RTEINT.P
 Quant Time: Feb 2 5:07 2022

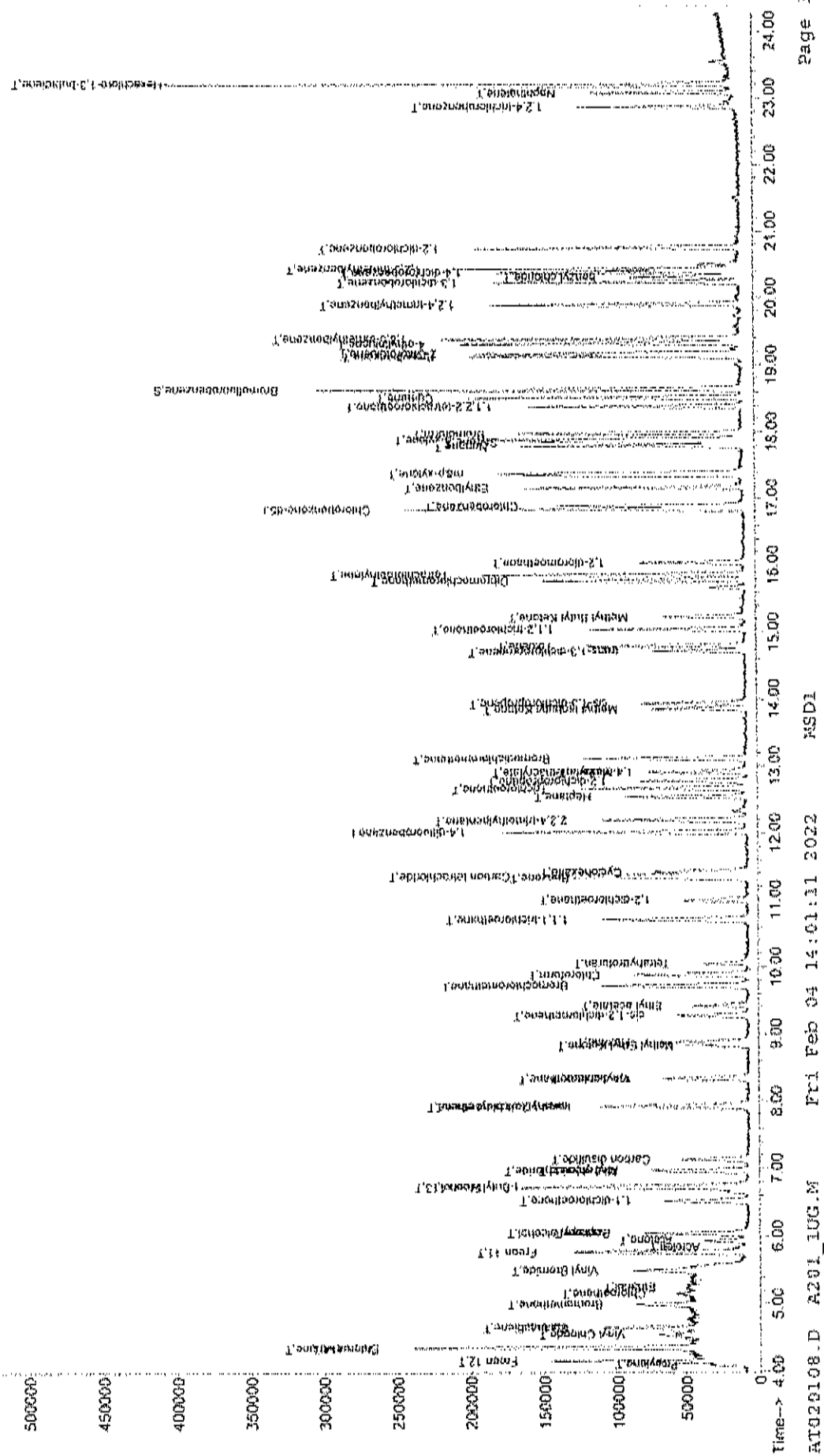
Vial: 7
 Operator: RJP
 Inst : MSD #1
 Multiplr: 1.00

Quant Results File: A201_1UG.RES

Method : C:\HPCHEM\1\METHODS\A201_1UG.M (PTE Integrator)
 Title : TO-15 VOA Standards for 5 point calibration
 Last Update : Wed Feb 02 07:40:12 2022
 Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AT020106.D

Abundance

TIC: AT020108.D



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AT020109.D Vial: 8
 Acq On : 2 Feb 2022 12:08 am Operator: RJP
 Sample : ALUG_0.10 Inst : MSD #1
 Misc : A201_1UG Multiplr: 1.00
 MS Integration Params: RTEINT.P
 Quant Time: Feb 02 04:53:35 2022 Quant Results File: A201_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A201_1UG.M (RTE Integrator)
 Title : TO-15 VOA Standards for 5 point calibration
 Last Update : Wed Feb 02 04:49:48 2022
 Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AT020106.D
 DataAcq Meth : 1UG_ENT

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	9.72	128	40050	1.00	ppb	-0.03
35) 1,4-difluorobenzene	12.02	114	166937	1.00	ppb	-0.02
50) Chlorobenzene-d5	16.85	117	140910	1.00	ppb	-0.02

System Monitoring Compounds						
65) Bromofluorobenzene	18.63	95	105075	0.92	ppb	-0.02
Spiked Amount	1.000	Range	70 - 130	Recovery	=	92.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Propylene	4.10	41	11735	0.36	ppb	90
3) Freon 12	4.16	85	87707	0.33	ppb	98
4) Chloromethane	4.35	50	21299	0.33	ppb	98
5) Freon 114	4.35	85	71245	0.33	ppb	97
6) Vinyl Chloride	4.54	62	19009	0.33	ppb	92
7) Butane	4.64	43	24406	0.35	ppb	95
8) 1,3-butadiene	4.64	39	17621	0.31	ppb	94
9) Bromomethane	4.98	94	24911	0.31	ppb	99
10) Chloroethane	5.16	64	9838	0.36	ppb	# 81
11) Ethanol	5.24	45	7054	0.46	ppb	80
12) Acrolein	5.82	56	7833m	0.41	ppb	
13) Vinyl Bromide	5.49	106	30060m	0.36	ppb	
14) Freon 11	5.77	101	89040	0.29	ppb	99
15) Acetone	5.93	58	8210	0.28	ppb	# 46
16) Pentane	6.04	42	14386	0.28	ppb	# 75
17) Isopropyl alcohol	6.04	45	26192	0.30	ppb	89
18) 1,1-dichloroethene	6.53	96	17996	0.30	ppb	# 81
19) Freon 113	6.73	101	45608	0.30	ppb	100
20) t-Butyl alcohol	6.75	59	34462	0.30	ppb	98
21) Methylene chloride	6.98	84	17531	0.32	ppb	91
22) Allyl chloride	6.97	41	17250	0.31	ppb	98
23) Carbon disulfide	7.13	76	54923	0.33	ppb	99
24) trans-1,2-dichloroethene	7.91	61	26116	0.30	ppb	95
25) methyl tert-butyl ether	7.93	73	45214	0.29	ppb	94
26) 1,1-dichloroethane	8.33	63	33996	0.32	ppb	96
27) Vinyl acetate	8.32	43	22751	0.28	ppb	96
28) Methyl Ethyl Ketone	8.83	72	7260	0.30	ppb	# 100
29) cis-1,2-dichloroethene	9.27	61	23423	0.29	ppb	94
30) Hexane	8.87	57	18534	0.28	ppb	# 83
31) Ethyl acetate	9.42	43	34891	0.29	ppb	98
32) Chloroform	9.88	83	53484	0.33	ppb	97
33) Tetrahydrofuran	10.05	42	12019	0.28	ppb	80
34) 1,2-dichloroethane	11.00	62	38388	0.32	ppb	96
36) 1,1,1-trichloroethane	10.71	97	59671	0.33	ppb	98
37) Cyclohexane	11.42	56	17540	0.29	ppb	# 68
38) Carbon tetrachloride	11.35	117	69240	0.33	ppb	98
39) Benzene	11.32	78	47894	0.32	ppb	96
40) Methyl methacrylate	12.91	41	20176	0.30	ppb	92
41) 1,4-dioxane	12.93	88	12627	0.33	ppb	92
42) 2,2,4-trimethylpentane	12.20	57	59280	0.30	ppb	91
43) Heptane	12.55	43	20315	0.30	ppb	98
44) Trichloroethene	12.67	130	26282	0.34	ppb	93
45) 1,2-dichloropropane	12.78	63	17341	0.34	ppb	93

(#) = qualifier out of range (m) = manual integration

AT020109.D A201_1UG.M Fri Feb 04 14:01:13 2022 MSD1

Page 1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AT020109.D

Vial: 8

Acq On : 2 Feb 2022 12:08 am

Operator: RJP

Sample : A1UG_0.30

Inst : MSD #1

Misc : A201_1UG

Multiplier: 1.00

MS Integration Params: RTEINT.P

Quant Time: Feb 02 04:53:35 2022

Quant Results File: A201_1UG.RBS

Quant Method : C:\HPCHEM\1\METHODS\A201_1UG.M (RTE Integrator)

Title : TO-15 VOA Standards for 5 point calibration

Last Update : Wed Feb 02 04:49:48 2022

Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AT020106.D

DataAcq Meth : 1UG_ENT

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
46) Bromodichloromethane	13.11	83	54586	0.32	ppb	99
47) cis-1,3-dichloropropene	13.94	75	27709	0.30	ppb	97
48) trans-1,3-dichloropropene	14.72	75	26087	0.31	ppb	96
49) 1,1,2-trichloroethane	15.04	97	22763	0.33	ppb	98
51) Toluene	14.80	92	33227	0.30	ppb	99
52) Methyl Isobutyl Ketone	13.85	43	29499	0.29	ppb	95
53) Dibromochloromethane	15.78	129	53768	0.32	ppb	100
54) Methyl Butyl Ketone	15.23	43	24926	0.27	ppb	99
55) 1,2-dibromoethane	16.04	107	33659	0.30	ppb	96
56) Tetrachloroethylene	15.87	164	27347	0.32	ppb	98
57) Chlorobenzene	16.90	112	49863	0.31	ppb	92
58) Ethylbenzene	17.17	91	75706	0.30	ppb	98
59) m&p-xylene	17.39	91	124336	0.57	ppb	96
60) Nonane	17.80	43	28953	0.28	ppb	97
61) Styrene	17.86	104	48034	0.30	ppb	89
62) Bromoform	17.98	173	48618	0.30	ppb	95
63) o-xylene	17.89	91	72141	0.31	ppb	92
64) Cumene	18.52	105	85404	0.29	ppb	99
66) 1,1,2,2-tetrachloroethane	18.39	83	47353	0.31	ppb	99
67) Propylbenzene	19.13	120	23618	0.29	ppb	88
68) 2-Chlorotoluene	19.17	126	23956	0.30	ppb	# 65
69) 4-ethyltoluene	19.32	105	85102	0.29	ppb	79
70) 1,3,5-trimethylbenzene	19.39	105	78621	0.29	ppb	97
71) 1,2,4-trimethylbenzene	19.90	105	68158	0.27	ppb	99
72) 1,3-dichlorobenzene	20.23	146	50707	0.30	ppb	95
73) benzyl chloride	20.31	91	37325	0.27	ppb	97
74) 1,4-dichlorobenzene	20.39	146	47833	0.28	ppb	93
75) 1,2,3-trimethylbenzene	20.43	105	73217	0.27	ppb	100
76) 1,2-dichlorobenzene	20.75	146	50526	0.29	ppb	95
77) 1,2,4-trichlorobenzene	22.87	180	20349	0.24	ppb	95
78) Naphthalene	23.08	128	53272m	0.24	ppb	
79) Hexachloro-1,3-butadiene	23.20	225	46487	0.30	ppb	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed
 AT020109.D A201_1UG.M Fri Feb 04 14:01:13 2022 MSD1

Data File : C:\HPCHEM\1\DATA\ATO20109.D
Acq On : 2 Feb 2022 12:08 am
Sample : A1UG 0.30
Misc : A201_LUG
MS Integration Params: RTEINT.P
Quant Time: Feb 2 5:10 2022

Page 5 ::
Integration
RTEINT.P

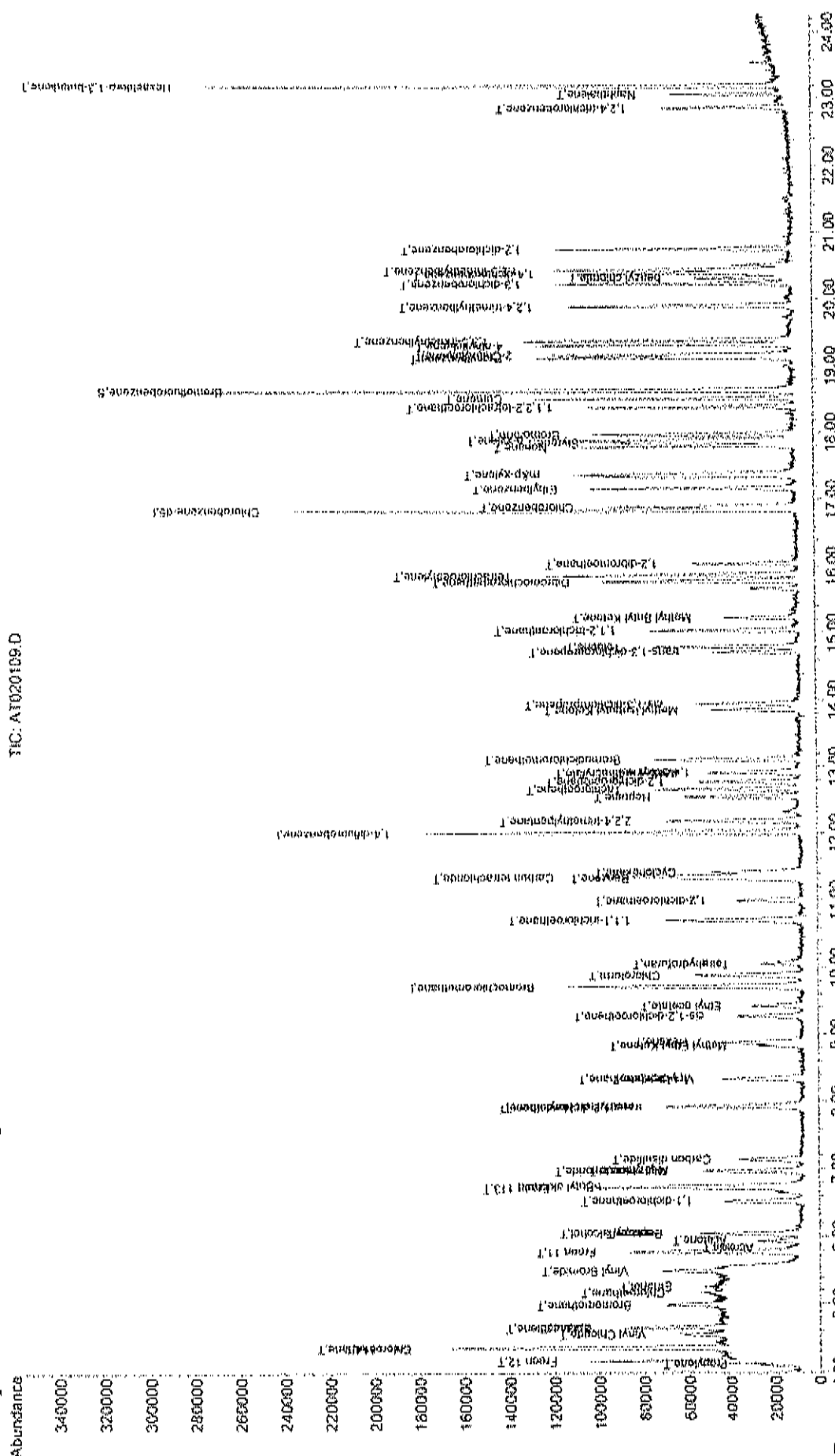
Quant Results File: A201 10G.RES

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: C:\HPCHEM\1\METPODS\A201_1UG.M (RTE Integrator)
: TO-15 VOA Standards for 5 point calibration
: Last Update : Wed Feb 02 07:40:12 2022
: Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AT020106.M

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REC- A1020109.D



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AT020110.D

Acq On : 2 Feb 2022 12:51 am

Sample : A1UG 0.15

Misc : A201_1UG

MS Integration Params: RTEINT.P

Quant Time: Feb 02 04:54:07 2022

Vial: 9

Operator: RJP

Inst : MSD #1

Multiplr: 1.00

Quant Results File: A201_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A201_1UG.M (RTE Integrator)

Title : TO-15 VOA Standards for 5 point calibration

Last Update : Wed Feb 02 04:49:48 2022

Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AT020106.D

DataAcq Meth : 1UG_ENT

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	9.72	128	37077	1.00	ppb	-0.03
35) 1,4-difluorobenzene	12.02	114	159192	1.00	ppb	-0.02
50) Chlorobenzene-d5	16.85	117	136809	1.00	ppb	-0.02

System Monitoring Compounds

65) Bromofluorobenzene	18.64	95	97404	0.88	ppb	-0.01
Spiked Amount	1.000	Range	70 - 130	Recovery	=	88.00%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
2) Propylene	4.10	41	5842m	0.19	ppb	
3) Freon 12	4.15	85	45800	0.19	ppb	100
4) Chloromethane	4.35	50	11831	0.20	ppb	100
5) Freon 114	4.35	85	37900	0.19	ppb	95
6) Vinyl Chloride	4.54	62	11131	0.21	ppb	99
7) Butane	4.64	43	15635	0.24	ppb	93
8) 1,3-butadiene	4.65	39	10344m	0.20	ppb	
9) Bromomethane	4.98	94	15051	0.20	ppb	86
10) Chloroethane	5.17	64	4454m	0.18	ppb	
11) Ethanol	5.25	45	3293m	0.23	ppb	
12) Acrolein	5.83	56	3363m	0.19	ppb	
13) Vinyl Bromide	5.49	106	15614	0.20	ppb	96
14) Freon 11	5.77	101	48258	0.17	ppb	98
15) Acetone	5.94	58	5138	0.19	ppb	# 65
16) Pentane	6.04	42	8763	0.19	ppb	# 89
17) Isopropyl alcohol	6.04	45	14956	0.18	ppb	84
18) 1,1-dichloroethene	6.53	96	10027	0.18	ppb	88
19) Freon 113	6.73	101	24309	0.17	ppb	96
20) t-Butyl alcohol	6.75	59	17552	0.16	ppb	96
21) Methylene chloride	6.98	84	8940	0.18	ppb	# 82
22) Allyl chloride	6.96	41	8962	0.17	ppb	84
23) Carbon disulfide	7.14	76	33474	0.21	ppb	99
24) trans-1,2-dichloroethene	7.91	61	14408	0.18	ppb	93
25) methyl tert-butyl ether	7.93	73	24787	0.17	ppb	92
26) 1,1-dichloroethane	8.33	63	16960	0.17	ppb	96
27) Vinyl acetate	8.33	43	12088	0.16	ppb	99
28) Methyl Ethyl Ketone	8.83	72	4233	0.19	ppb	# 100
29) cis-1,2-dichloroethene	9.27	61	12903	0.18	ppb	90
30) Hexane	8.88	57	9767	0.16	ppb	82
31) Ethyl acetate	9.42	43	19027	0.17	ppb	96
32) Chloroform	9.88	83	27416	0.18	ppb	93
33) Tetrahydrofuran	10.06	42	7735	0.19	ppb	91
34) 1,2-dichloroethane	11.00	62	20089	0.19	ppb	99
36) 1,1,1-trichloroethane	10.70	97	32092	0.19	ppb	98
37) Cyclohexane	11.42	56	9642	0.17	ppb	# 77
38) Carbon tetrachloride	11.36	117	37329	0.18	ppb	99
39) Benzene	11.32	78	25032	0.18	ppb	92
40) Methyl methacrylate	12.91	41	9757	0.15	ppb	94
41) 1,4-dioxane	12.93	88	6972	0.19	ppb	98
42) 2,2,4-trimethylpentane	12.19	57	31909	0.17	ppb	91
43) Heptane	12.54	43	10352	0.16	ppb	99
44) Trichloroethene	12.68	130	13667	0.18	ppb	98
45) 1,2-dichloropropane	12.77	63	9052	0.19	ppb	98

(#) = qualifier out of range (m) = manual integration

AT020110.D A201_1UG.M

Fri Feb 04 14:01:17 2022

MSD1

Page 1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AT020110.D
 Acq On : 2 Feb 2022 12:51 am
 Sample : A1UG_0.15
 Misc : A201_1UG
 MS Integration Params: RTEINT.P
 Quant Time: Feb 02 04:54:07 2022

Vial: 9
 Operator: RJP
 Inst : MSD #1
 Multiplr: 1.00

Quant Results File: A201_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A201_1UG.M (RTE Integrator)
 Title : TO-15 VOA Standards for 5 point calibration
 Last Update : Wed Feb 02 04:49:48 2022
 Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AT020106.D
 DataAcq Meth : 1UG_ENT

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
46) Bromodichloromethane	13.12	83	29738	0.18	ppb	98
47) cis-1,3-dichloropropene	13.94	75	14347	0.16	ppb	98
48) trans-1,3-dichloropropene	14.72	75	13778	0.17	ppb	98
49) 1,1,2-trichloroethane	15.04	97	12259	0.19	ppb	96
51) Toluene	14.79	92	16926	0.16	ppb	97
52) Methyl Isobutyl Ketone	13.85	43	15060	0.15	ppb	97
53) Dibromochloromethane	15.78	129	28429	0.18	ppb	98
54) Methyl Butyl Ketone	15.22	43	12333	0.14	ppb	97
55) 1,2-dibromoethane	16.05	107	17572	0.16	ppb	95
56) Tetrachloroethylene	15.87	164	14572	0.18	ppb	91
57) Chlorobenzene	16.91	112	25389	0.16	ppb	93
58) Ethylbenzene	17.17	91	37438	0.15	ppb	100
59) m,p-xylene	17.39	91	59896	0.28	ppb	97
60) Nonane	17.80	43	13774	0.14	ppb	99
61) Styrene	17.86	104	22744	0.15	ppb	92
62) Bromoform	17.98	173	25446	0.16	ppb	99
63) o-xylene	17.90	91	33783	0.15	ppb	95
64) Cumene	18.52	105	42494	0.15	ppb	99
66) 1,1,2,2-tetrachloroethane	18.39	83	25045	0.17	ppb	95
67) Propylbenzene	19.13	120	11448	0.14	ppb	85
68) 2-Chlorotoluene	19.17	126	12119	0.16	ppb	# 78
69) 4-ethyltoluene	19.32	105	41388	0.14	ppb	77
70) 1,3,5-trimethylbenzene	19.39	105	37721	0.14	ppb	100
71) 1,2,4-trimethylbenzene	19.90	105	32886	0.14	ppb	99
72) 1,3-dichlorobenzene	20.23	146	24008	0.14	ppb	96
73) benzyl chloride	20.31	91	16995	0.13	ppb	93
74) 1,4-dichlorobenzene	20.38	146	22683	0.14	ppb	94
75) 1,2,3-trimethylbenzene	20.44	105	37261	0.14	ppb	93
76) 1,2-dichlorobenzene	20.75	146	24991	0.15	ppb	91
77) 1,2,4-trichlorobenzene	22.87	180	9073	0.11	ppb	97
78) Naphthalene	23.07	128	26401m	0.12	ppb	
79) Hexachloro-1,3-butadiene	23.20	225	22613	0.15	ppb	93

Quantitation Report (QT Reviewed)

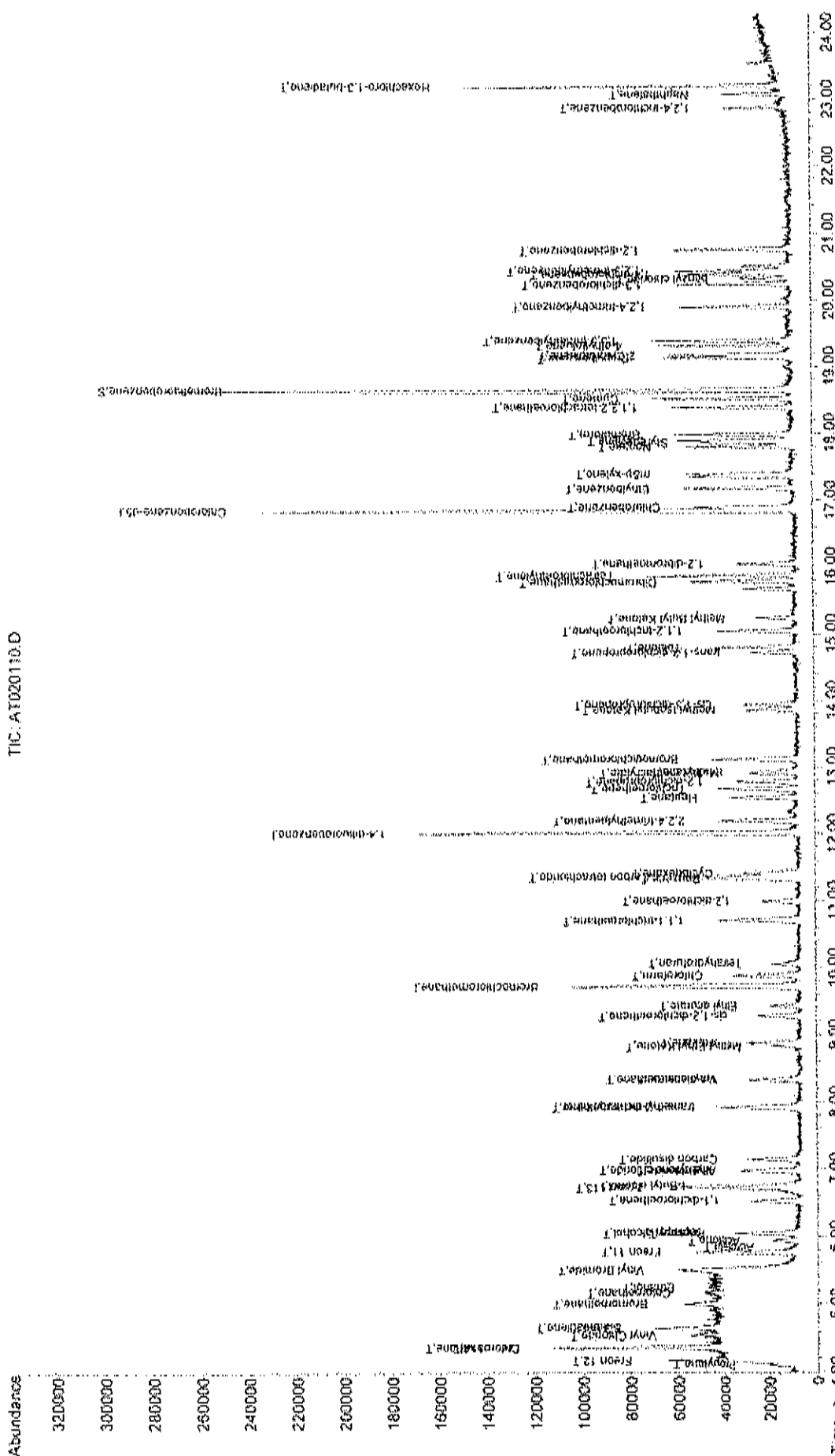
Data File : C:\HPCHEM\1\DATA\AT020110.D
 Acq On : 2 Feb 2022 12:51 am
 Sample : A1UG-0.15
 Misc : A201_IUG
 MS Integration Params: RTEINT.P
 Quant Time: Feb 2 5:12 2022

Vial: 9
 Operator: RJP
 Inst : MSD #1
 Multipir: 1.00

Quant Results File: A201_IUG.RES

Method : C:\HPCHEM\1\METHODS\A201_IUG.M (RTE Integrator)
 Title : TO-15 VOA Standards for 5 point calibration
 Last Update : Wed Feb 02 07:40:12 2022
 Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AT020106.D

TIC: AT020110.D



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AT020111.D

Vial: 11

Acq On : 2 Feb 2022 2:15 am

Operator: RJP

Sample : A1UG_0.10

Inst : MSD #1

Misc : A201_1UG

Multiplier: 1.00

MS Integration Params: RTEINT.P

Quant Time: Feb 02 04:58:18 2022

Quant Results File: A201_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A201_1UG.M (RTE Integrator)

Title : TO-15 VOA Standards for 5 point calibration

Last Update : Wed Feb 02 04:49:48 2022

Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AT020106.D

DataAcq Meth : 1UG_ENT

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	9.71	128	36139	1.00	ppb	-0.04
35) 1,4-difluorobenzene	12.02	114	156940	1.00	ppb	-0.02
50) Chlorobenzene-d5	16.85	117	129167	1.00	ppb	-0.02

System Monitoring Compounds

65) Bromofluorobenzene	18.64	95	86083	0.82	ppb	-0.02
Spiked Amount	1.000	Range	70 - 130	Recovery	=	82.00%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
6) Vinyl Chloride	4.53	62	5441m	0.11	ppb	
18) 1,1-dichloroethene	6.52	96	4884m	0.09	ppb	
29) cis-1,2-dichloroethene	9.27	61	6493m	0.09	ppb	
38) Carbon tetrachloride	11.36	117	15439	0.08	ppb	95
44) Trichloroethane	12.67	130	6455m	0.09	ppb	

Quantitation Report (QT Reviewed)

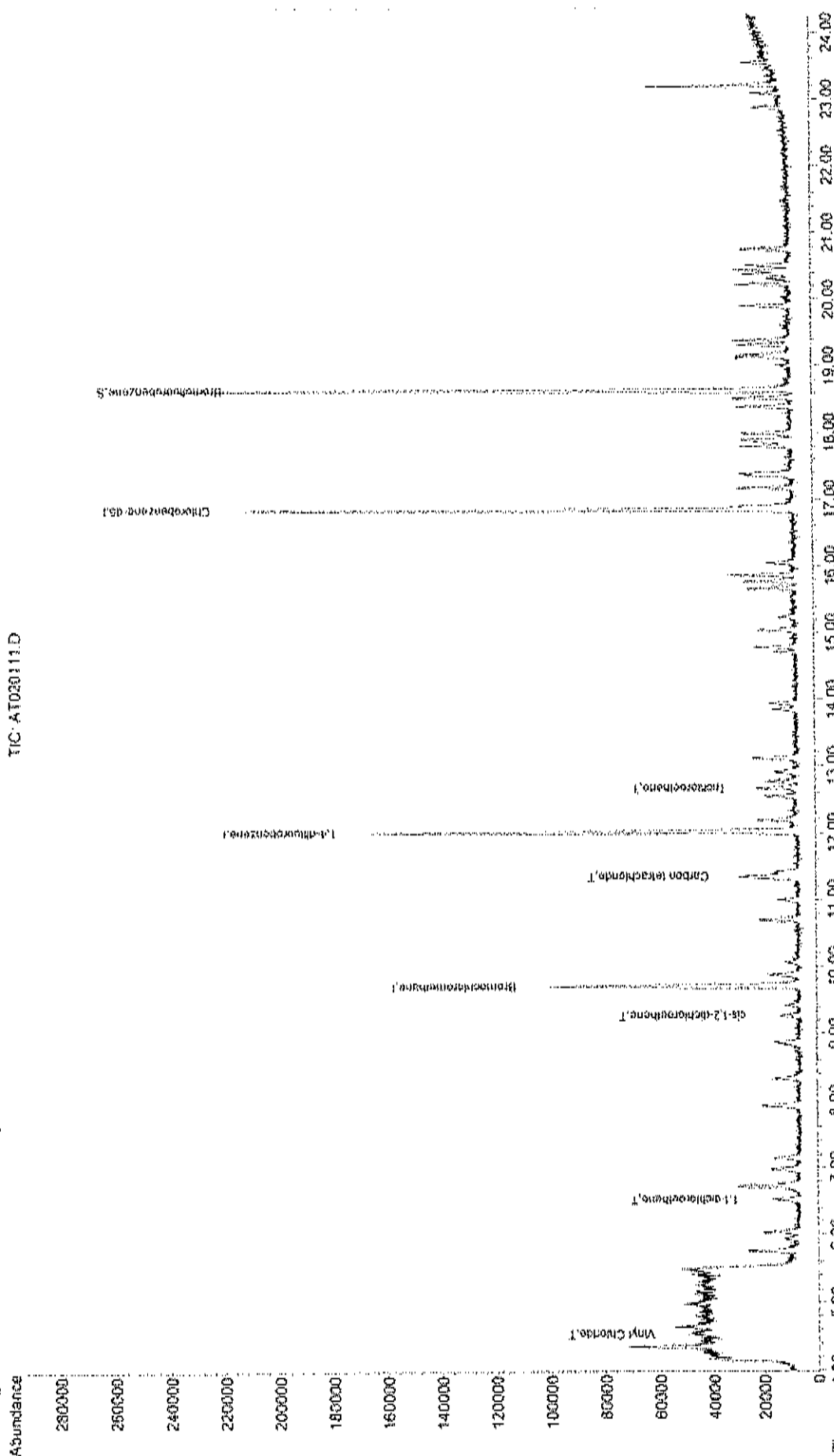
Data File : C:\HPCHEM\1\DATA\AT020111.D
Acq On : 2 Feb 2022 2:15 am
Sample : A1UG 0.10
Misc : A201_1UG
MS Integration Params: RTEINT.2
Quant Time: Feb 2 5:16 2022

Vial: 11
Operator: RJP
Inst : MSD #1
Multiplier: 1.00

Quant Results File: A201_1UG.NES

Method : C:\HPCHEM\1\METHODS\A201_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed Feb 02 07:40:12 2022
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AT020106.D

TIC: AT020111.D



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AT020112.D Vial: 12
 Acq On : 3 Feb 2022 2:57 am Operator: RJP
 Sample : AIUG 6.04 Inst : MSD #1
 Misc : A201_1UG Multiplx: 1.00
 MS Integration Params: RTEINT.P
 Quant Time: Feb 02 05:17:52 2022 Quant Results File: A201_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A201_1UG.M (RTE Integrator)
 Title : TO-15 VOA Standards for 5 point calibration
 Last Update : Wed Feb 02 04:49:48 2022
 Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AT020106.D
 DataAcq Meth : 1UG_ENT

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	9.72	128	35916	1.00	ppb	-0.03
35) 1,4-difluorobenzene	12.02	114	155743	1.00	ppb	-0.02
50) Chlorobenzene-d5	16.95	117	126414	1.00	ppb	-0.02

System Monitoring Compounds						
65) Bromofluorobenzene	18.65	95	78822	0.77	ppb	-0.01
Spiked Amount	1.000	Range	70 - 130	Recovery	=	77.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Vinyl Chloride	4.54	62	3260m	0.06	ppb	
18) 1,1-dichloroethene	6.52	96	2400m	0.04	ppb	
29) cis-1,2-dichloroethene	9.27	61	4035	0.06	ppb	# 75
38) Carbon tetrachloride	11.36	117	12726	0.06	ppb	94
44) Trichloroethene	12.67	130	4410	0.06	ppb	93

Quantitation Report (QT Reviewed)

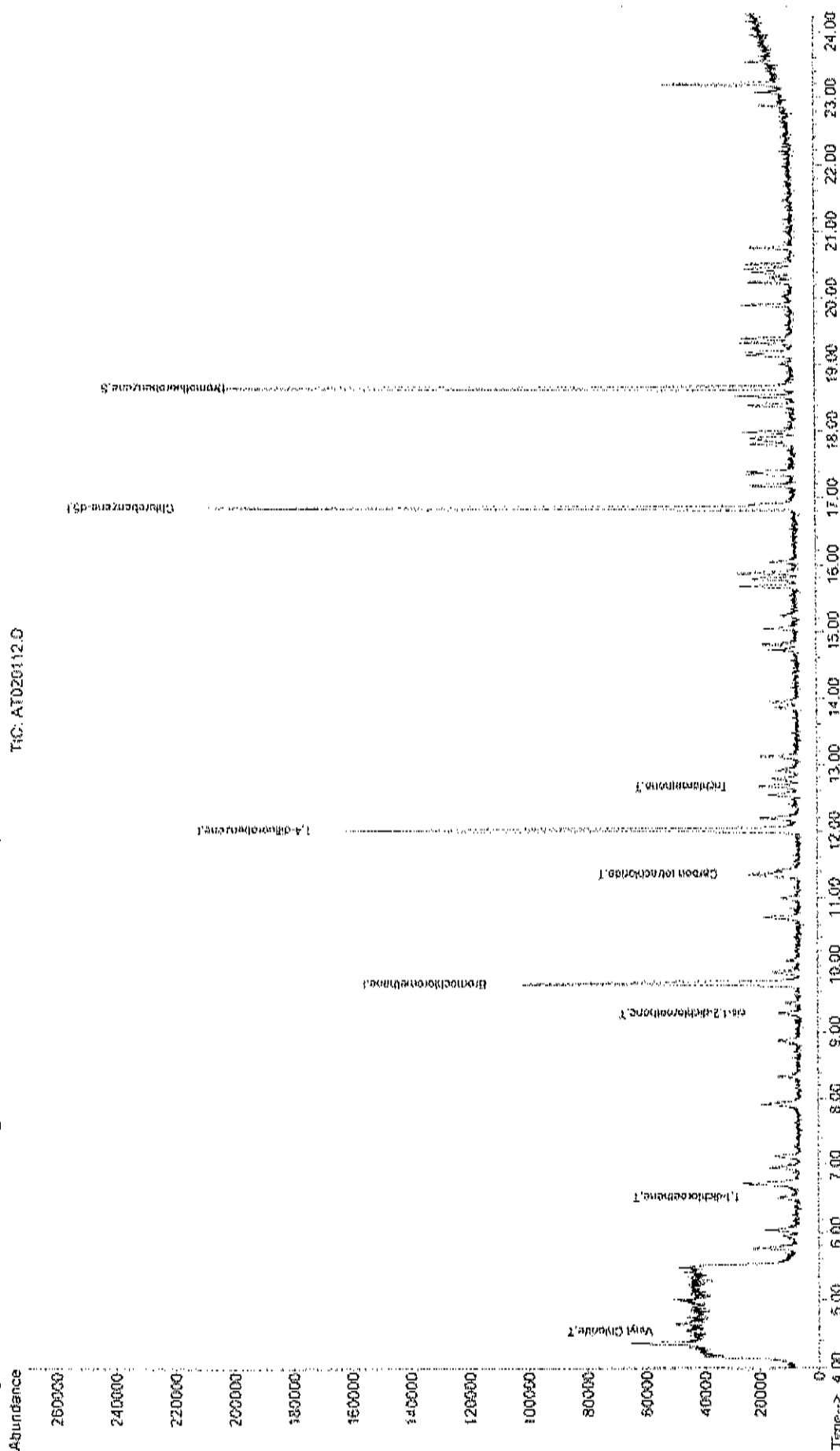
Data File : C:\HPCHEM\1\DATA\AT020112.D
Acq On : 2 Feb 2022 2:57 am
Sample : A1UG 0.04
Misc : A201_1UG
MS Integration Params: RTEDET.P
Quant Time: Feb 2 5:20 2022

Vial: 12
Operator: RJP
Inst : MSD #1
Multiplier: 1.00

Quant Results File: A201_1UG.RSS

Method : C:\HPCHEM\1\METHODS\A201_1UG.M (RTB Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed Feb 02 07:49:12 2022
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AT020106.D

TIC: A1020112.D



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AT020113.D Vial: 13
 Acq On : 2 Feb 2022 3:38 am Operator: RJP
 Sample : A1UG_0.03 Inst : MSD #1
 Misc : A201_1UG Multiplr: 1.00
 MS Integration Params: RTEINT.P
 Quant Time: Feb 02 07:37:40 2022 Quant Results File: A201_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A201_1UG.M (RTE Integrator)
 Title : TO-15 VOA Standards for 5 point calibration
 Last Update : Wed Feb 02 07:37:26 2022
 Response via : Initial Calibration
 DataAcq Meth : 1UG_ENT

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	9.72	128	36069	1.00	ppb	-0.02
35) 1,4-difluorobenzene	12.02	114	147869	1.00	ppb	-0.02
50) Chlorobenzene-d5	16.84	117	125961	1.00	ppb	-0.02

System Monitoring Compounds						
65) Bromofluorobenzene	18.59	95	79202	0.85	ppb	-0.06
Spiked Amount	1.000	Range	70 - 130	Recovery	=	85.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
38) Carbon tetrachloride	12.36	117	9199m	0.04	ppb	
44) Trichloroethene	12.67	130	3779m	0.05	ppb	

Quantitation Report (QT Reviewed)

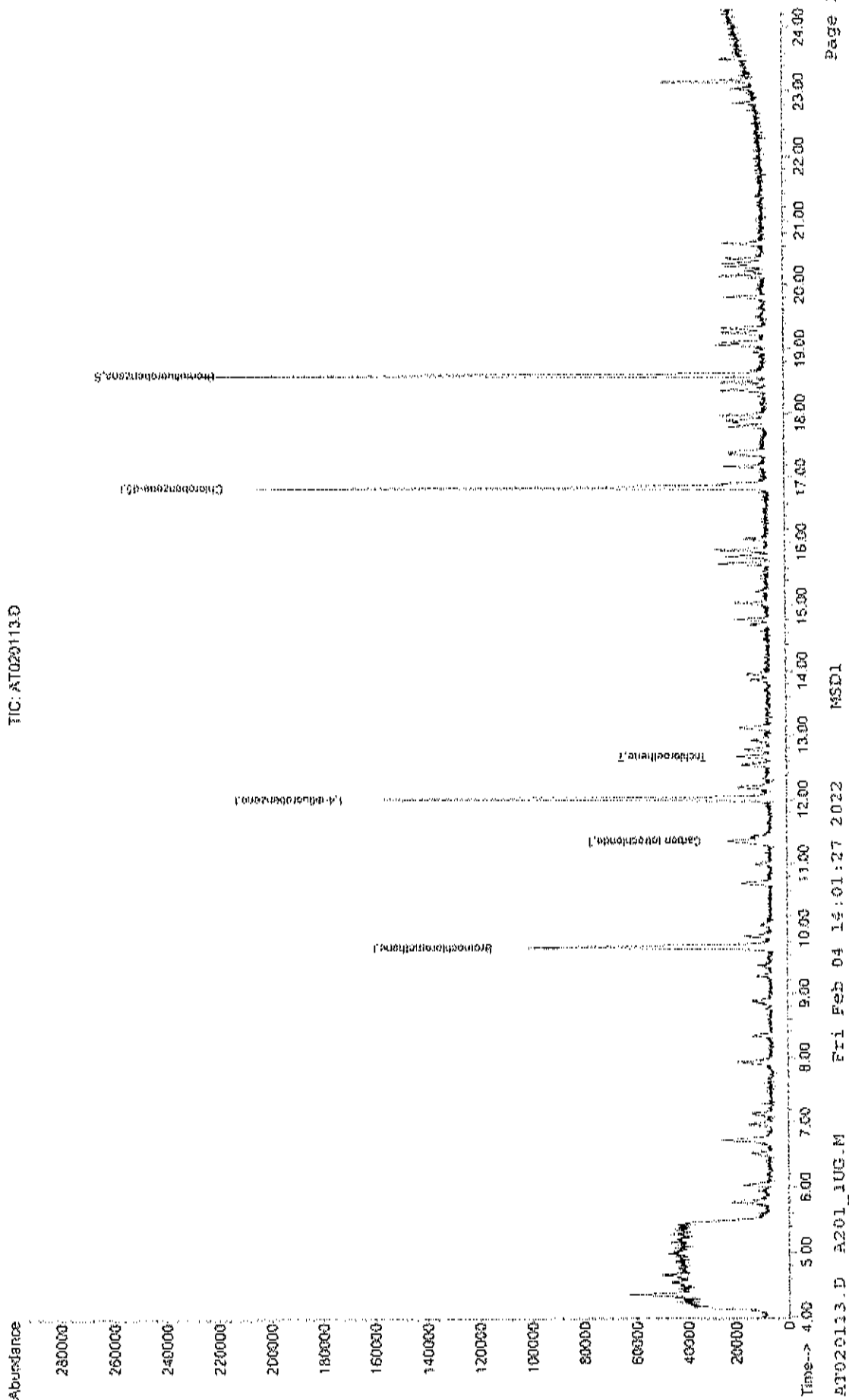
Data File : C:\HPCHEM\1\DATA\AT020113.D
Acq On : 2 Feb 2022 3:38 am
Sample : A1UG 0.03
Misc : A201_1UG
MS Integration Params: RTEINT.P
Quant Time: Feb 2 7:40 2022

Vial: 13
Operator: RJP
Inst : MSD #1
Multiplr: 1.00

Quant Results File: A201_1UG.RES

Method : C:\HPCHEM\1\METHODS\A201_1UG.M (RTE Integrator)
File : TO-15 VOA Standards for 5 point Calibration
Last Update : Wed Feb 02 07:40:12 2022
Response via : Initial Calibration

TIC: AT020113.D



GC/MS VOLATILES-WHOLE AIR

METHOD TO-15

CALIBRATION VERIFICATION

Centek/SanAir Laboratories

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\AT020302.D

Vial: 2

Acq On : 3 Feb 2022 9:11 am

Operator: RJP

Sample : A1UG_1.0

Inst : MSD #1

Misc : A201_1UG

Multiplr: 1.00

MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\A201_1UG.M (RTE Integrator)

Title : TO-15 VOA Standards for 5 point calibration

Last Update : Fri Feb 04 14:02:12 2022

Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.33min

Max. RRF Dev : 30% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Bromochloromethane	1.000	1.000	0.0	89	0.00
2 T	Propylene	0.885	0.769	13.1	83	0.00
3 T	Freon 12	6.918	6.928	-0.1	93	0.00
4 T	Chloromethane	1.705	1.715	-0.6	94	0.00
5 T	Freon 114	5.624	5.726	-1.8	93	0.00
6 T	Vinyl Chloride	1.627	1.516	6.8	94	0.00
7 T	Butane	1.923	1.864	3.1	95	0.00
8 T	1,3-butadiene	1.466	1.428	2.6	86	0.00
9 T	Bromomethane	2.061	1.986	3.6	88	0.00
10 T	Chloroethane	0.713	0.752	-5.5	99	0.00
11 T	Ethanol	0.424	0.383	9.7	88	0.00
12 T	Acrolein	0.492	0.470	4.5	87	0.00
13 T	Vinyl Bromide	2.238	2.233	0.2	95	0.00
14 T	Freon 11	7.452	8.164	-9.6	95	0.00
15 T	Acetone	0.710	0.836	-17.7	101	0.00
16 T	Pentane	1.260	1.436	-14.0	101	0.00
17 T	Isopropyl alcohol	2.180	2.363	-8.4	96	0.00
18 T	1,1-dichloroethene	1.509	1.459	3.3	87	0.00
19 T	Freon 113	3.813	3.773	1.0	87	0.00
20 t	t-Butyl alcohol	2.799	2.740	2.1	84	0.00
21 T	Methylene chloride	1.364	1.332	2.3	87	0.00
22 T	Allyl chloride	1.386	1.306	5.8	82	0.00
23 T	Carbon disulfide	4.419	4.147	6.2	87	0.00
24 T	trans-1,2-dichloroethene	2.168	2.126	1.9	87	0.00
25 T	methyl tert-butyl ether	3.833	3.860	-0.7	89	0.00
26 T	1,1-dichloroethane	2.715	2.634	3.0	87	0.00
27 T	Vinyl acetate	1.964	1.850	5.8	82	0.00
28 T	Methyl Ethyl Ketone	0.623	0.597	4.2	87	0.00
29 T	cis-1,2-dichloroethene	2.056	1.922	6.5	86	0.00
30 T	Hexane	1.726	1.749	-1.3	94	0.00
31 T	Ethyl acetate	2.975	2.873	3.4	85	0.00
32 T	Chloroform	4.206	4.178	0.7	90	0.00
33 T	Tetrahydrofuran	1.100	1.026	6.7	84	0.00
34 T	1,2-dichloroethane	3.107	3.094	0.4	92	0.00
35 I	1,4-difluorobenzene	1.000	1.000	0.0	87	0.00
36 T	1,1,1-trichloroethane	1.111	1.120	-0.8	91	0.00
37 T	Cyclohexane	0.366	0.353	3.6	85	0.00
38 T	Carbon tetrachloride	1.433	1.358	5.2	92	0.00
39 T	Benzene	0.921	0.913	0.9	88	0.00
40 T	Methyl methacrylate	0.402	0.390	3.0	84	0.00
41 T	1,4-dioxane	0.240	0.223	7.1	83	0.00
42 T	2,2,4-trimethylpentane	1.191	1.136	4.6	84	0.00
43 T	Heptane	0.406	0.386	4.9	83	0.00
44 T	Trichloroethene	0.545	0.511	6.2	94	0.00
45 T	1,2-dichloropropane	0.322	0.302	6.2	85	0.00
46 T	Bromodichloromethane	1.053	1.031	2.1	88	0.00
47 T	cis-1,3-dichloropropene	0.562	0.574	-2.1	88	0.00
48 T	trans-1,3-dichloropropene	0.524	0.520	0.8	90	0.00
49 T	1,1,2-trichloroethane	0.437	0.432	1.1	90	0.00

(#) = Out of Range

AT020302.D A201_1UG.M

Fri Feb 04 14:36:43 2022

MSD1

Page 1

Centek/SanAir Laboratories

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\AT020302.D

Vial: 2

Acq On : 3 Feb 2022 9:11 am

Operator: RJP

Sample : A1UG_1.0

Inst : MSD #1

Misc : A201_1UG

Multiplr: 1.00

MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\A201_1UG.M (RTE Integrator)

Title : TO-15 VOA Standards for 5 point calibration

Last Update : Fri Feb 04 14:02:12 2022

Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.33min

Max. RRF Dev : 30% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
51 T Toluene	0.777	0.770	0.9	88	0.00
52 T Methyl Isobutyl Ketone	0.705	0.664	5.8	83	0.00
53 T Dibromochloromethane	1.215	1.207	0.7	90	0.00
54 T Methyl Butyl Ketone	0.645	0.631	2.2	85	0.00
55 T 1,2-dibromoethane	0.802	0.804	-0.2	89	0.00
56 T Tetrachloroethylene	0.617	0.594	3.7	87	0.00
57 T Chlorobenzene	1.139	1.154	-1.3	89	0.00
58 T Ethylbenzene	1.792	1.773	1.1	88	0.00
59 T m&p-xylene	1.523	1.564	-2.7	89	0.00
60 T Nonane	0.724	0.701	3.2	84	0.00
61 T Styrene	1.123	1.160	-3.3	90	0.00
62 T Bromoform	1.148	1.171	-2.0	91	0.00
63 T o-xylene	1.670	1.713	-2.6	90	0.00
64 T Cumene	2.079	2.146	-3.2	90	0.00
65 S Bromofluorobenzene	0.737	0.810	-9.9	88	0.00
66 T 1,1,2,2-tetrachloroethane	1.076	1.043	3.1	86	0.00
67 T Propylbenzene	0.564	0.590	-4.6	90	0.00
68 T 2-Chlorotoluene	0.566	0.581	-2.7	92	0.00
69 T 4-ethyltoluene	2.088	2.160	-3.4	90	0.00
70 T 1,3,5-trimethylbenzene	1.904	2.026	-6.4	93	0.00
71 T 1,2,4-trimethylbenzene	1.731	1.767	-2.1	89	0.00
72 T 1,3-dichlorobenzene	1.202	1.230	-2.3	90	0.00
73 T benzyl chloride	0.952	1.042	-9.5	94	0.00
74 T 1,4-dichlorobenzene	1.179	1.261	-7.0	92	0.00
75 T 1,2,3-trimethylbenzene	1.897	2.020	-6.5	92	0.00
76 T 1,2-dichlorobenzene	1.219	1.264	-3.7	91	0.00
77 T 1,2,4-trichlorobenzene	0.582	0.621	-6.7	91	0.00
78 T Naphthalene	1.514	1.554	-2.6	87	0.00
79 T Hexachloro-1,3-butadiene	1.105	1.175	-6.3	93	0.00

Data File : C:\HPCHEM\1\DATA\AT020302.D

Vial: 2

Acq On : 3 Feb 2022 9:11 am

Operator: RJP

Sample : A1UG_1.0

Inst : MSD #1

Misc : A201_1UG

Multiplr: 1.00

MS Integration Params: RTEINT.P

Quant Time: Feb 04 08:24:20 2022

Quant Results File: A201_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A201_1UG.M (RTE Integrator)

Title : TO-15 VOA Standards for 5 point calibration

Last Update : Wed Feb 02 07:40:12 2022

Response via : Initial Calibration

DataAcq Meth : 1UG_ENT

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	9.72	128	35677	1.00	ppb	-0.03
35) 1,4-difluorobenzene	12.02	114	152077	1.00	ppb	-0.02
50) Chlorobenzene-d5	16.85	117	130970	1.00	ppb	-0.02

System Monitoring Compounds

65) Bromofluorobenzene	18.59	95	106135	1.10	ppb	-0.06
Spiked Amount	1.000	Range	70 - 130	Recovery	=	110.00%

Target Compounds

						Qvalue
2) Propylene	4.10	41	27441	0.87	ppb	87
3) Freon 12	4.15	85	247153	1.00	ppb	98
4) Chloromethane	4.35	50	61169	1.01	ppb	94
5) Freon 114	4.35	85	204287	1.02	ppb	97
6) Vinyl Chloride	4.53	62	54074	0.93	ppb	100
7) Butane	4.64	43	66487	0.97	ppb	98
8) 1,3-butadiene	4.64	39	50939	0.97	ppb	99
9) Bromomethane	4.98	94	70860	0.96	ppb	97
10) Chloroethane	5.16	64	26826	1.05	ppb	89
11) Ethanol	5.24	45	13647	0.90	ppb	90
12) Acrolein	5.83	56	16783	0.96	ppb	95
13) Vinyl Bromide	5.49	106	79666	1.00	ppb	100
14) Freon 11	5.76	101	291265	1.10	ppb	99
15) Acetone	5.92	58	29819	1.18	ppb	87
16) Pentane	6.04	42	51246	1.14	ppb	92
17) Isopropyl alcohol	6.03	45	84321	1.08	ppb	87
18) 1,1-dichloroethene	6.52	96	52050	0.97	ppb	# 84
19) Freon 113	6.72	101	134612	0.99	ppb	96
20) t-Butyl alcohol	6.75	59	97757	0.98	ppb	98
21) Methylene chloride	6.97	84	47505	0.98	ppb	93
22) Allyl chloride	6.96	41	46582	0.94	ppb	95
23) Carbon disulfide	7.13	76	147943	0.94	ppb	98
24) trans-1,2-dichloroethene	7.92	61	75849	0.98	ppb	91
25) methyl tert-butyl ether	7.93	73	137704	1.01	ppb	90
26) 1,1-dichloroethane	8.34	63	93959	0.97	ppb	98
27) Vinyl acetate	8.33	43	65995	0.94	ppb	100
28) Methyl Ethyl Ketone	8.81	72	21293	0.96	ppb	# 100
29) cis-1,2-dichloroethene	9.28	61	68580	0.94	ppb	92
30) Hexane	8.87	57	62415	1.01	ppb	96
31) Ethyl acetate	9.42	43	102516	0.97	ppb	94
32) Chloroform	9.89	83	149052	0.99	ppb	99
33) Tetrahydrofuran	10.04	42	36614	0.93	ppb	88
34) 1,2-dichloroethane	11.00	62	110382	1.00	ppb	99
36) 1,1,1-trichloroethane	10.71	97	170369	1.01	ppb	97
37) Cyclohexane	11.42	56	53647	0.96	ppb	# 74
38) Carbon tetrachloride	11.36	117	206573	0.95	ppb	100
39) Benzene	11.32	78	138835	0.99	ppb	96
40) Methyl methacrylate	12.91	41	59316	0.97	ppb	91
41) 1,4-dioxane	12.92	88	33891	0.93	ppb	91
42) 2,2,4-trimethylpentane	12.20	57	172728	0.95	ppb	89
43) Heptane	12.55	43	58726	0.95	ppb	96
44) Trichloroethene	12.67	130	77692	0.94	ppb	97
45) 1,2-dichloropropane	12.78	63	45875	0.94	ppb	99

(#)=qualifier out of range (m)=manual integration

AT020302.D A201_1UG.M

Fri Feb 04 14:36:47 2022

MSD1

Page 1

Data File : C:\HPCHEM\1\DATA\AT020302.D

Vial: 2

Acq On : 3 Feb 2022 9:11 am

Operator: RJP

Sample : A1UG_1.0

Inst : MSD #1

Misc : A201_1UG

Multiplr: 1.00

MS Integration Params: RTEINT.P

Quant Time: Feb 04 08:24:20 2022

Quant Results File: A201_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A201_1UG.M (RTE Integrator)

Title : TO-15 VOA Standards for 5 point calibration

Last Update : Wed Feb 02 07:40:12 2022

Response via : Initial Calibration

DataAcq Meth : 1UG_ENT

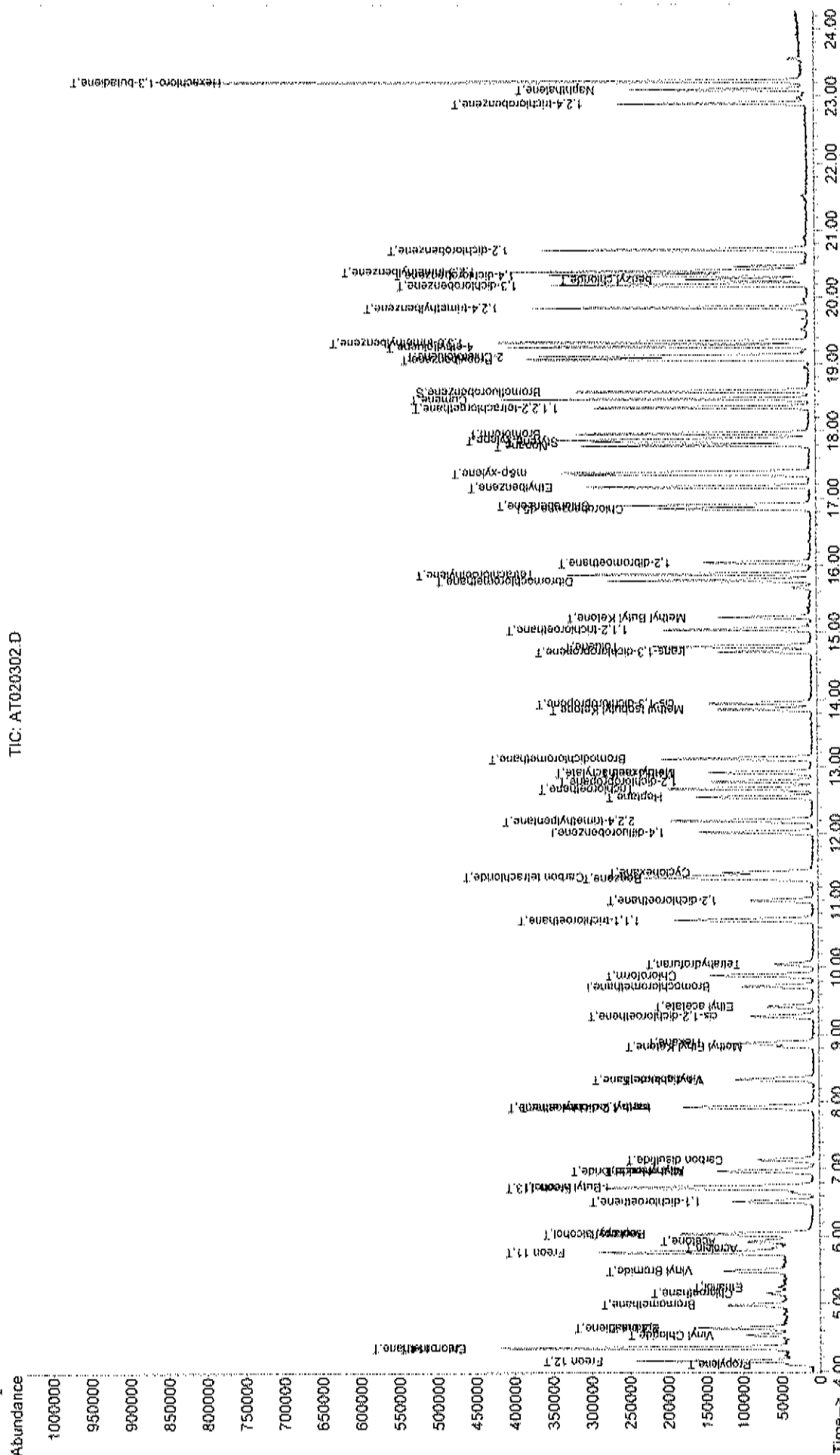
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
46) Bromodichloromethane	13.12	83	156818	0.98	ppb	97
47) cis-1,3-dichloropropene	13.95	75	87332	1.02	ppb	98
48) trans-1,3-dichloropropene	14.72	75	79148	0.99	ppb	87
49) 1,1,2-trichloroethane	15.04	97	65679	0.99	ppb	99
51) Toluene	14.79	92	100839	0.99	ppb	100
52) Methyl Isobutyl Ketone	13.86	43	86988	0.94	ppb	97
53) Dibromochloromethane	15.78	129	158066	0.99	ppb	99
54) Methyl Butyl Ketone	15.23	43	82664	0.98	ppb	97
55) 1,2-dibromoethane	16.05	107	105305	1.00	ppb	97
56) Tetrachloroethylene	15.87	164	77803	0.96	ppb	96
57) Chlorobenzene	16.90	112	151177	1.01	ppb	97
58) Ethylbenzene	17.17	91	232150	0.99	ppb	100
59) m&p-xylene	17.39	91	409679	2.05	ppb	94
60) Nonane	17.79	43	91799	0.97	ppb	99
61) Styrene	17.85	104	151906	1.03	ppb	85
62) Bromoform	17.97	173	153315	1.02	ppb	99
63) o-xylene	17.88	91	224297	1.03	ppb	94
64) Cumene	18.48	105	281008	1.03	ppb	98
66) 1,1,2,2-tetrachloroethane	18.35	83	136545	0.97	ppb	98
67) Propylbenzene	19.08	120	77304	1.05	ppb	86
68) 2-Chlorotoluene	19.12	126	76092	1.03	ppb	# 61
69) 4-ethyltoluene	19.27	105	282841m	1.03	ppb	
70) 1,3,5-trimethylbenzene	19.34	105	265394	1.06	ppb	93
71) 1,2,4-trimethylbenzene	19.85	105	231420	1.02	ppb	98
72) 1,3-dichlorobenzene	20.19	146	161053	1.02	ppb	97
73) benzyl chloride	20.27	91	136462	1.09	ppb	97
74) 1,4-dichlorobenzene	20.34	146	165114	1.07	ppb	95
75) 1,2,3-trimethylbenzene	20.39	105	264533	1.06	ppb	97
76) 1,2-dichlorobenzene	20.71	146	165569	1.04	ppb	94
77) 1,2,4-trichlorobenzene	22.90	180	81385	1.07	ppb	99
78) Naphthalene	23.10	128	203498	1.03	ppb	99
79) Hexachloro-1,3-butadiene	23.22	225	153883	1.06	ppb	95

Vial: 2
Operator: RJP
Inst : MSD #1
Multiplr: 1.00

Quant Results File: A201.LUG.RES

Quant Results File: A201 1UG.RES

TIC: AT020302.D



Data File : C:\HPCHEM\1\DATA\AT020402.D

Vial: 2

Acq On : 4 Feb 2022 9:56 am

Operator: RJP

Sample : A1UG_1.0

Inst : MSD #1

Misc : A201_1UG

Multiplr: 1.00

MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\A201_1UG.M (RTE Integrator)

Title : TO-15 VOA Standards for 5 point calibration

Last Update : Fri Feb 04 14:02:12 2022

Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.33min

Max. RRF Dev : 30% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Bromochloromethane	1.000	1.000	0.0	77	0.01
2 T	Propylene	0.885	0.705	20.3	66	0.00
3 T	Freon 12	6.918	7.344	-6.2	85	0.00
4 T	Chloromethane	1.705	1.887	-10.7	90	0.00
5 T	Freon 114	5.624	6.513	-15.8	91	0.00
6 T	Vinyl Chloride	1.627	1.745	-7.3	94	0.00
7 T	Butane	1.923	2.046	-6.4	90	0.00
8 T	1,3-butadiene	1.466	1.644	-12.1	86	0.00
9 T	Bromomethane	2.061	2.332	-13.1	89	0.01
10 T	Chloroethane	0.713	0.825	-15.7	94	0.00
11 T	Ethanol	0.424	0.417	1.7	83	0.02
12 T	Acrolein	0.492	0.501	-1.8	80	0.00
13 T	Vinyl Bromide	2.238	2.508	-12.1	92	0.00
14 T	Freon 11	7.452	9.261	-24.3	93	0.00
15 T	Acetone	0.710	0.847	-19.3	88	0.01
16 T	Pentane	1.260	1.556	-23.5	94	0.00
17 T	Isopropyl alcohol	2.180	2.436	-11.7	85	0.00
18 T	1,1-dichloroethene	1.509	1.516	-0.5	78	0.00
19 T	Freon 113	3.813	3.914	-2.6	78	0.00
20 T	t-Butyl alcohol	2.799	2.729	2.5	72	0.00
21 T	Methylene chloride	1.364	1.333	2.3	75	0.01
22 T	Allyl chloride	1.386	1.314	5.2	71	0.00
23 T	Carbon disulfide	4.419	4.161	5.8	75	0.00
24 T	trans-1,2-dichloroethene	2.168	2.148	0.9	76	0.00
25 T	methyl tert-butyl ether	3.833	4.002	-4.4	80	0.01
26 T	1,1-dichloroethane	2.715	2.620	3.5	75	0.00
27 T	Vinyl acetate	1.964	1.858	5.4	71	0.00
28 T	Methyl Ethyl Ketone	0.623	0.610	2.1	77	0.01
29 T	cis-1,2-dichloroethene	2.056	1.953	5.0	75	0.00
30 T	Hexane	1.726	1.678	2.8	78	0.00
31 T	Ethyl acetate	2.975	2.946	1.0	75	0.00
32 T	Chloroform	4.206	4.293	-2.1	80	0.00
33 T	Tetrahydrofuran	1.100	1.030	6.4	73	0.01
34 T	1,2-dichloroethane	3.107	3.143	-1.2	81	0.01
35 I	1,4-difluorobenzene	1.000	1.000	0.0	70	0.00
36 T	1,1,1-trichloroethane	1.111	1.218	-9.6	80	0.00
37 T	Cyclohexane	0.366	0.361	1.4	71	0.00
38 T	Carbon tetrachloride	1.433	1.485	-3.6	82	0.00
39 T	Benzene	0.921	0.928	-0.8	73	0.01
40 T	Methyl methacrylate	0.402	0.392	2.5	68	0.00
41 T	1,4-dioxane	0.240	0.232	3.3	71	0.00
42 T	2,2,4-trimethylpentane	1.191	1.146	3.8	69	0.00
43 T	Heptane	0.406	0.402	1.0	70	0.00
44 T	Trichloroethene	0.545	0.523	4.0	78	0.01
45 T	1,2-dichloropropane	0.322	0.308	4.3	71	0.00
46 T	Bromodichloromethane	1.053	1.120	-6.4	78	0.00
47 T	cis-1,3-dichloropropene	0.562	0.592	-5.3	74	0.00
48 T	trans-1,3-dichloropropene	0.524	0.535	-2.1	75	0.00
49 T	1,1,2-trichloroethane	0.437	0.465	-6.4	79	0.01

(#)= Out of Range

AT020402.D A201_1UG.M

Fri Feb 04 14:39:25 2022

MSD1

Page 1

Data File : C:\HPCHEM\1\DATA\AT020402.D

Vial: 2

Acq On : 4 Feb 2022 9:56 am

Operator: RJP

Sample : A1UG_1.0

Inst : MSD #1

Misc : A201_1UG

Multiplr: 1.00

MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\A201_1UG.M (RTE Integrator)

Title : TO-15 VOA Standards for 5 point calibration

Last Update : Fri Feb 04 14:02:12 2022

Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.33min

Max. RRF Dev : 30% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
51 T	Toluene	0.777	0.765	1.5	73	0.01
52 T	Methyl Isobutyl Ketone	0.705	0.671	4.8	70	0.00
53 T	Dibromochloromethane	1.215	1.217	-0.2	76	0.01
54 T	Methyl Butyl Ketone	0.645	0.623	3.4	70	0.00
55 T	1,2-dibromoethane	0.802	0.814	-1.5	76	0.00
56 T	Tetrachloroethylene	0.617	0.619	-0.3	76	0.00
57 T	Chlorobenzene	1.139	1.144	-0.4	74	0.01
58 T	Ethylbenzene	1.792	1.828	-2.0	76	0.00
59 T	m&p-xylene	1.523	1.630	-7.0	78	0.00
60 T	Nonane	0.724	0.723	0.1	73	0.01
61 T	Styrene	1.123	1.169	-4.1	76	0.01
62 T	Bromoform	1.148	1.172	-2.1	76	0.02
63 T	o-xylene	1.670	1.777	-6.4	79	0.02
64 T	Cumene	2.079	2.133	-2.6	75	0.04
65 S	Bromofluorobenzene	0.737	0.813	-10.3	74	0.05
66 T	1,1,2,2-tetrachloroethane	1.076	1.094	-1.7	76	0.04
67 T	Propylbenzene	0.564	0.572	-1.4	73	0.06
68 T	2-Chlorotoluene	0.566	0.600	-6.0	79	0.06
69 T	4-ethyltoluene	2.088	2.262	-8.3	80	0.06
70 T	1,3,5-trimethylbenzene	1.904	2.035	-6.9	79	0.06
71 T	1,2,4-trimethylbenzene	1.731	1.839	-6.2	77	0.05
72 T	1,3-dichlorobenzene	1.202	1.299	-8.1	80	0.05
73 T	benzyl chloride	0.952	1.071	-12.5	81	0.05
74 T	1,4-dichlorobenzene	1.179	1.313	-11.4	80	0.05
75 T	1,2,3-trimethylbenzene	1.897	2.080	-9.6	80	0.05
76 T	1,2-dichlorobenzene	1.219	1.290	-5.8	78	0.04
77 T	1,2,4-trichlorobenzene	0.582	0.634	-8.9	78	-0.03
78 T	Naphthalene	1.514	1.606	-6.1	75	-0.02
79 T	Hexachloro-1,3-butadiene	1.105	1.238	-12.0	83	-0.02

Data File : C:\HPCHEM\1\DATA\AT020402.D

Vial: 2

Acq On : 4 Feb 2022 9:56 am

Operator: RJP

Sample : A1UG_1.0

Inst : MSD #1

Misc : A201_1UG

Multiplr: 1.00

MS Integration Params: RTEINT.P

Quant Time: Feb 04 11:43:17 2022

Quant Results File: A201_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A201_1UG.M (RTE Integrator)

Title : TO-15 VOA Standards for 5 point calibration

Last Update : Wed Feb 02 07:40:12 2022

Response via : Initial Calibration

DataAcq Meth : 1UG_ENT

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	9.73	128	30828	1.00	ppb	-0.02
35) 1,4-difluorobenzene	12.03	114	123419	1.00	ppb	-0.01
50) Chlorobenzene-d5	16.85	117	109910	1.00	ppb	-0.01

System Monitoring Compounds

65) Bromofluorobenzene	18.65	95	89324	1.10	ppb	0.00
Spiked Amount	1.000	Range	70 - 130	Recovery	=	110.00%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
2) Propylene	4.10	41	21744	0.80	ppb	81
3) Freon 12	4.15	85	226408	1.06	ppb	99
4) Chloromethane	4.34	50	58187	1.11	ppb	97
5) Freon 114	4.35	85	200779	1.16	ppb	95
6) Vinyl Chloride	4.54	62	53794	1.07	ppb	94
7) Butane	4.65	43	63079	1.06	ppb	99
8) 1,3-butadiene	4.64	39	50669	1.12	ppb	95
9) Bromomethane	4.99	94	71896	1.13	ppb	100
10) Chloroethane	5.16	64	25447	1.16	ppb	# 83
11) Ethanol	5.26	45	12861	0.98	ppb	84
12) Acrolein	5.83	56	15452	1.02	ppb	93
13) Vinyl Bromide	5.49	106	77326	1.12	ppb	96
14) Freon 11	5.77	101	285505	1.24	ppb	99
15) Acetone	5.93	58	26097	1.19	ppb	# 80
16) Pentane	6.05	42	47969	1.23	ppb	88
17) Isopropyl alcohol	6.03	45	75101	1.12	ppb	97
18) 1,1-dichloroethene	6.53	96	46749	1.01	ppb	# 85
19) Freon 113	6.72	101	120648	1.03	ppb	97
20) t-Butyl alcohol	6.75	59	84132	0.97	ppb	98
21) Methylene chloride	6.98	84	41096	0.98	ppb	91
22) Allyl chloride	6.97	41	40507	0.95	ppb	95
23) Carbon disulfide	7.14	76	128261	0.94	ppb	99
24) trans-1,2-dichloroethene	7.92	61	66216	0.99	ppb	93
25) methyl tert-butyl ether	7.94	73	123367	1.04	ppb	89
26) 1,1-dichloroethane	8.35	63	80779	0.97	ppb	97
27) Vinyl acetate	8.33	43	57288	0.95	ppb	99
28) Methyl Ethyl Ketone	8.83	72	18818	0.98	ppb	# 100
29) cis-1,2-dichloroethene	9.28	61	60205	0.95	ppb	90
30) Hexane	8.88	57	51742	0.97	ppb	92
31) Ethyl acetate	9.43	43	90831	0.99	ppb	95
32) Chloroform	9.89	83	132360	1.02	ppb	99
33) Tetrahydrofuran	10.06	42	31767	0.94	ppb	89
34) 1,2-dichloroethane	11.01	62	96896	1.01	ppb	99
36) 1,1,1-trichloroethane	10.71	97	150273	1.10	ppb	99
37) Cyclohexane	11.43	56	44509	0.98	ppb	# 68
38) Carbon tetrachloride	11.37	117	183302	1.04	ppb	99
39) Benzene	11.34	78	114502	1.01	ppb	93
40) Methyl methacrylate	12.91	41	48378	0.97	ppb	97
41) 1,4-dioxane	12.93	88	28646	0.97	ppb	89
42) 2,2,4-trimethylpentane	12.20	57	141496	0.96	ppb	89
43) Heptane	12.55	43	49593	0.99	ppb	99
44) Trichloroethene	12.68	130	64589	0.96	ppb	94
45) 1,2-dichloropropane	12.78	63	37999	0.96	ppb	100

(#)=qualifier out of range (m)=manual integration

AT020402.D A201_1UG.M

Fri Feb 04 14:39:29 2022

MSD1

Page 1

Data File : C:\HPCHEM\1\DATA\AT020402.D

Vial: 2

Acq On : 4 Feb 2022 9:56 am

Operator: RJP

Sample : A1UG_1.0

Inst : MSD #1

Misc : A201_1UG

Multiplr: 1.00

MS Integration Params: RTEINT.P

Quant Time: Feb 04 11:43:17 2022

Quant Results File: A201_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A201_1UG.M (RTE Integrator)

Title : TO-15 VOA Standards for 5 point calibration

Last Update : Wed Feb 02 07:40:12 2022

Response via : Initial Calibration

DataAcq Meth : 1UG_ENT

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
46) Bromodichloromethane	13.12	83	138193	1.06	ppb	99
47) cis-1,3-dichloropropene	13.95	75	73058	1.05	ppb	98
48) trans-1,3-dichloropropene	14.73	75	66028	1.02	ppb	98
49) 1,1,2-trichloroethane	15.06	97	57408	1.06	ppb	98
51) Toluene	14.81	92	84054	0.98	ppb	97
52) Methyl Isobutyl Ketone	13.86	43	73737	0.95	ppb	98
53) Dibromochloromethane	15.79	129	133764	1.00	ppb	100
54) Methyl Butyl Ketone	15.23	43	68508	0.97	ppb	94
55) 1,2-dibromoethane	16.05	107	89462	1.02	ppb	94
56) Tetrachloroethylene	15.88	164	67982	1.00	ppb	99
57) Chlorobenzene	16.91	112	125747	1.00	ppb	95
58) Ethylbenzene	17.18	91	200879	1.02	ppb	97
59) m&p-xylene	17.39	91	358205	2.14	ppb	91
60) Nonane	17.81	43	79496	1.00	ppb	98
61) Styrene	17.86	104	128478	1.04	ppb	80
62) Bromoform	17.99	173	128837	1.02	ppb	99
63) o-xylene	17.90	91	195330	1.06	ppb	91
64) Cumene	18.52	105	234386	1.03	ppb	98
66) 1,1,2,2-tetrachloroethane	18.39	83	120262	1.02	ppb	99
67) Propylbenzene	19.14	120	62818	1.01	ppb	97
68) 2-Chlorotoluene	19.18	126	65921	1.06	ppb	# 63
69) 4-ethyltoluene	19.33	105	248612	1.08	ppb	76
70) 1,3,5-trimethylbenzene	19.40	105	223721	1.07	ppb	96
71) 1,2,4-trimethylbenzene	19.91	105	202132	1.06	ppb	97
72) 1,3-dichlorobenzene	20.24	146	142797	1.08	ppb	97
73) benzyl chloride	20.32	91	117762	1.13	ppb	98
74) 1,4-dichlorobenzene	20.39	146	144266	1.11	ppb	94
75) 1,2,3-trimethylbenzene	20.44	105	228576	1.10	ppb	95
76) 1,2-dichlorobenzene	20.75	146	141760	1.06	ppb	94
77) 1,2,4-trichlorobenzene	22.87	180	69658	1.09	ppb	96
78) Naphthalene	23.08	128	176532	1.06	ppb	98
79) Hexachloro-1,3-butadiene	23.20	225	136041	1.12	ppb	94

 (#) = qualifier out of range (m) = manual integration (+) = signals summed

AT020402.D A201_1UG.M

Fri Feb 04 14:39:29 2022

MSD1

Page 2

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AT020402.D
Acq On : 4 Feb 2022 9:56 am
Sample : A1UG 1.0
Misc : A201_IUG
MS Integration Params: RTEINT.P
Quant Time: Feb 4 11:43 2022

Vial: 2
Operator: RJP
Inst : MSD #1
Multiplr: 1.00

Quant Results File: A201_IUG.RES

Method : C:\HPCHEM\1\METHODS\A201_IUG.M (RTE Integration)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Fri Feb 04 14:02:12 2022
Response via : Initial Calibration

TIC: AT020402.D

Abundance

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GC/MS VOLATILES-WHOLE AIR

METHOD TO-15

RAW DATA

BFB

Data File : C:\HPCHEM\1\DATA\AT020101.D

Vial: 2

Acq On : 1 Feb 2022 5:01 pm

Operator: RJP

Sample : BFB1UG

Inst : MSD #1

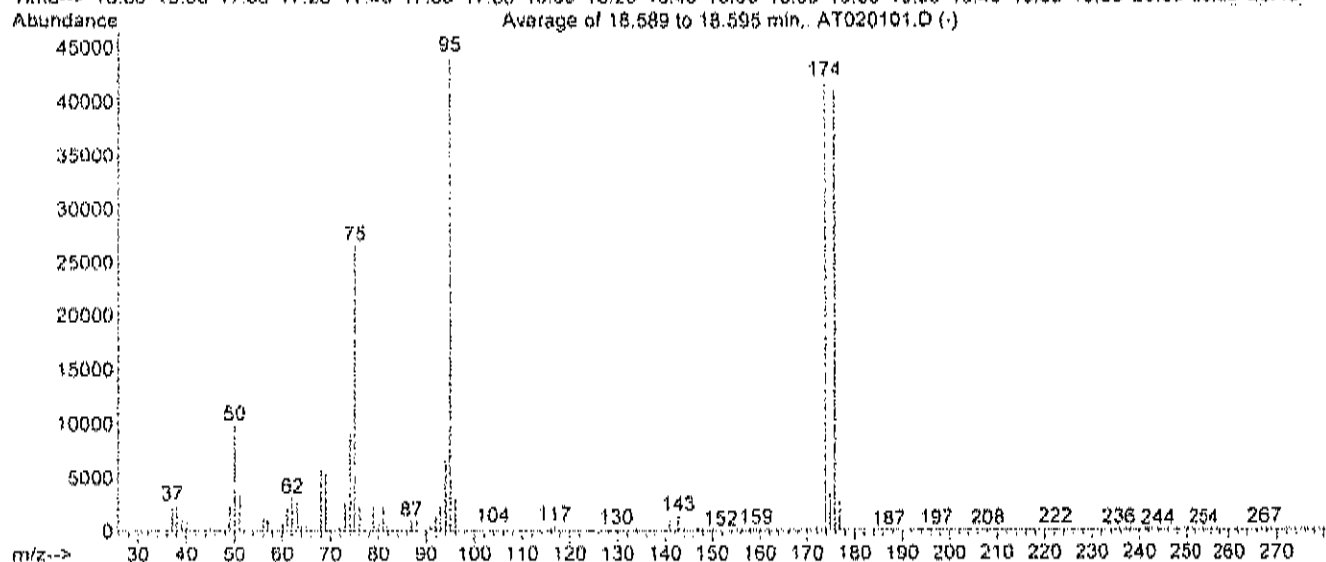
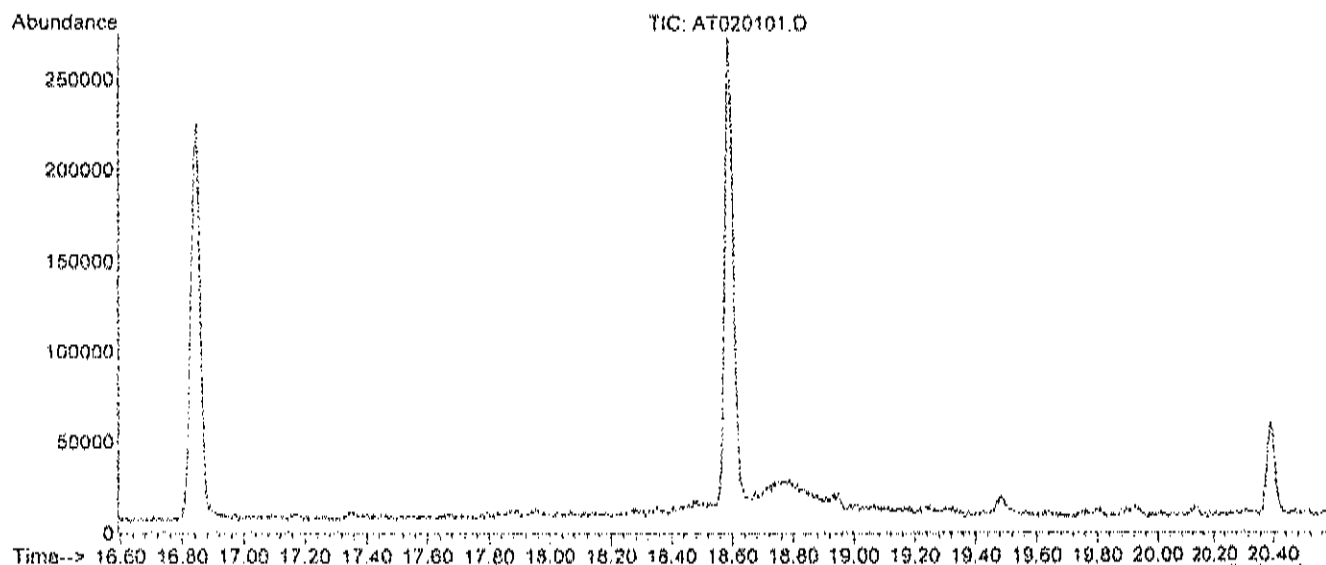
Misc : A201_1UG

Multiplr: 1.00

MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\A201_1UG.M (RTE Integrator)

Title : TO-15 VOA Standards for 5 point calibration



Spectrum Information: Average of 18.589 to 18.595 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	22.3	9863	PASS
75	95	30	66	60.1	26571	PASS
95	95	100	100	100.0	44189	PASS
96	95	5	9	7.0	3111	PASS
173	174	0.00	2	0.5	221	PASS
174	95	50	120	94.7	41842	PASS
175	174	4	9	8.4	3501	PASS
176	174	95	101	98.1	41053	PASS
177	176	5	9	6.8	2793	PASS

BFB

Data File : C:\HPCHEM\1\DATA\AT020301.D

Vial: 1

Acq On : 3 Feb 2022 8:25 am

Operator: RJP

Sample : BFB1UG

Inst : MSD #1

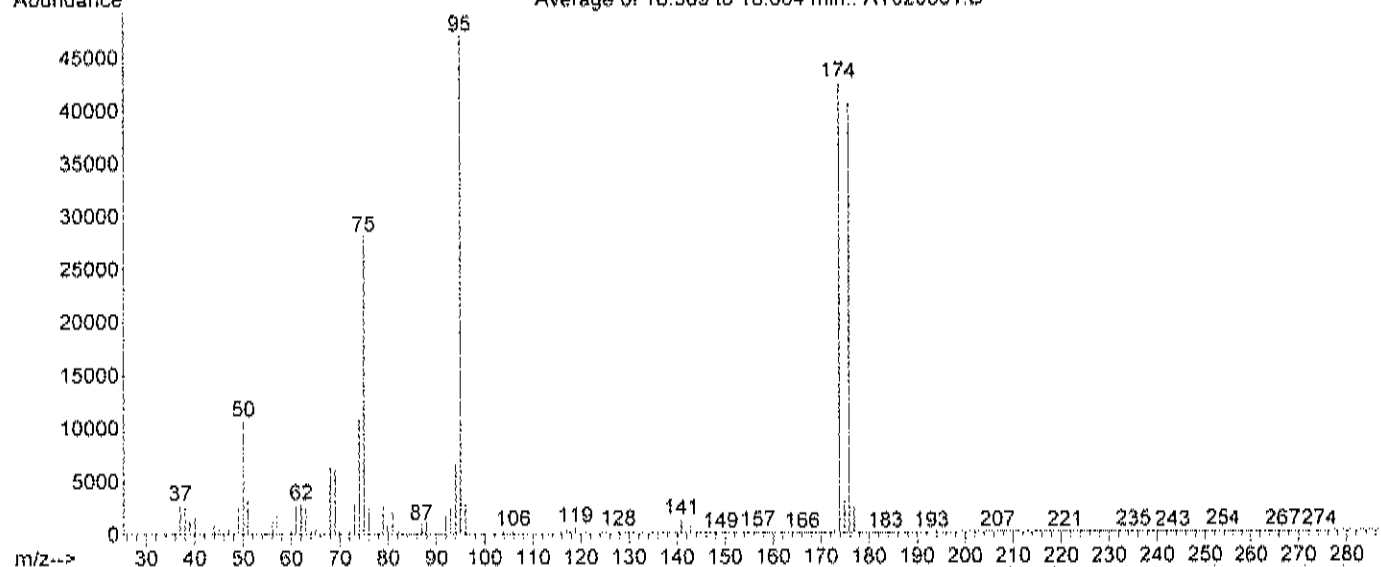
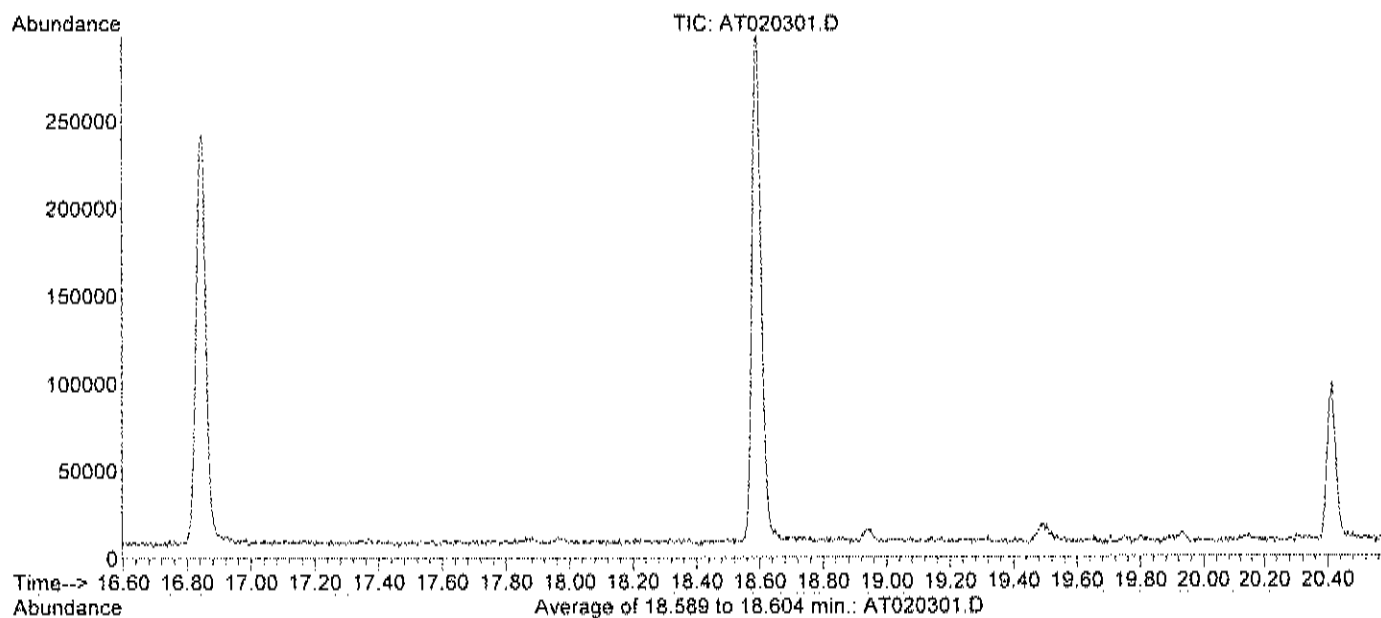
Misc : A201_1UG

Multiplr: 1.00

MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\A201_1UG.M (RTE Integrator)

Title : TO-15 VOA Standards for 5 point calibration



Spectrum Information: Average of 18.589 to 18.604 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	22.7	10675	PASS
75	95	30	66	59.8	28112	PASS
95	95	100	100	100.0	47016	PASS
96	95	5	9	6.3	2943	PASS
173	174	0.00	2	0.4	178	PASS
174	95	50	120	90.4	42506	PASS
175	174	4	9	7.3	3094	PASS
176	174	95	101	95.3	40498	PASS
177	176	5	9	6.7	2706	PASS

BFB

Data File : C:\HPCHEM\1\DATA\AT020401.D

Vial: 1

Acq On : 4 Feb 2022 9:10 am

Operator: RJP

Sample : BFB1UG

Inst : MSD #1

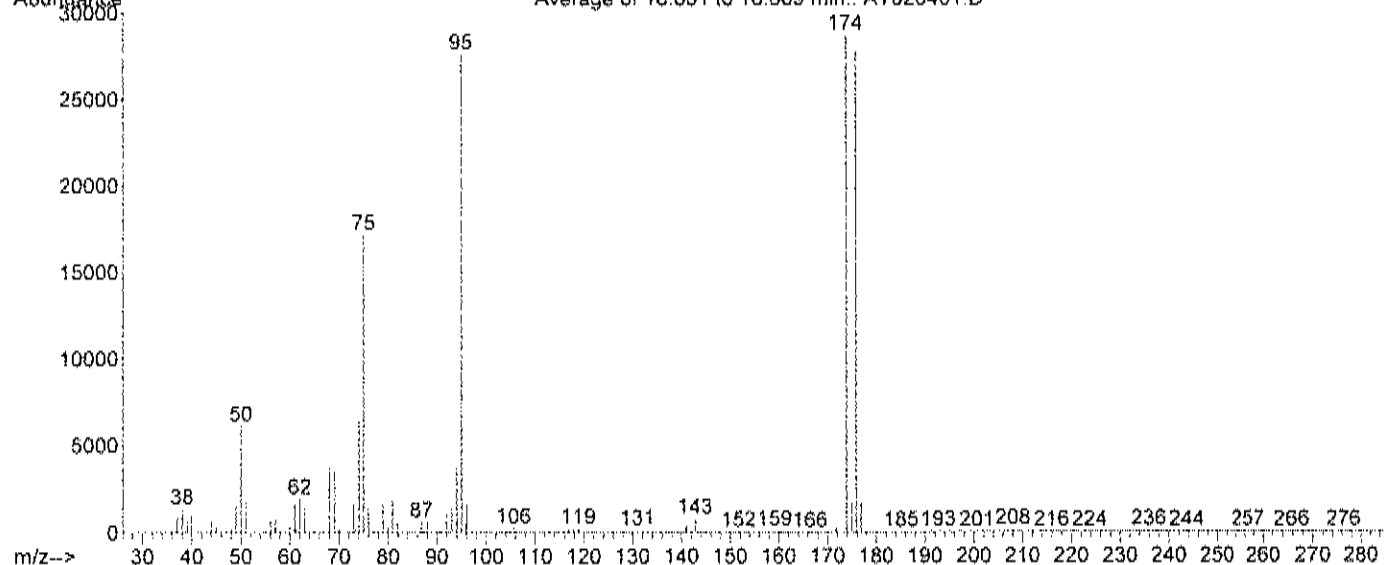
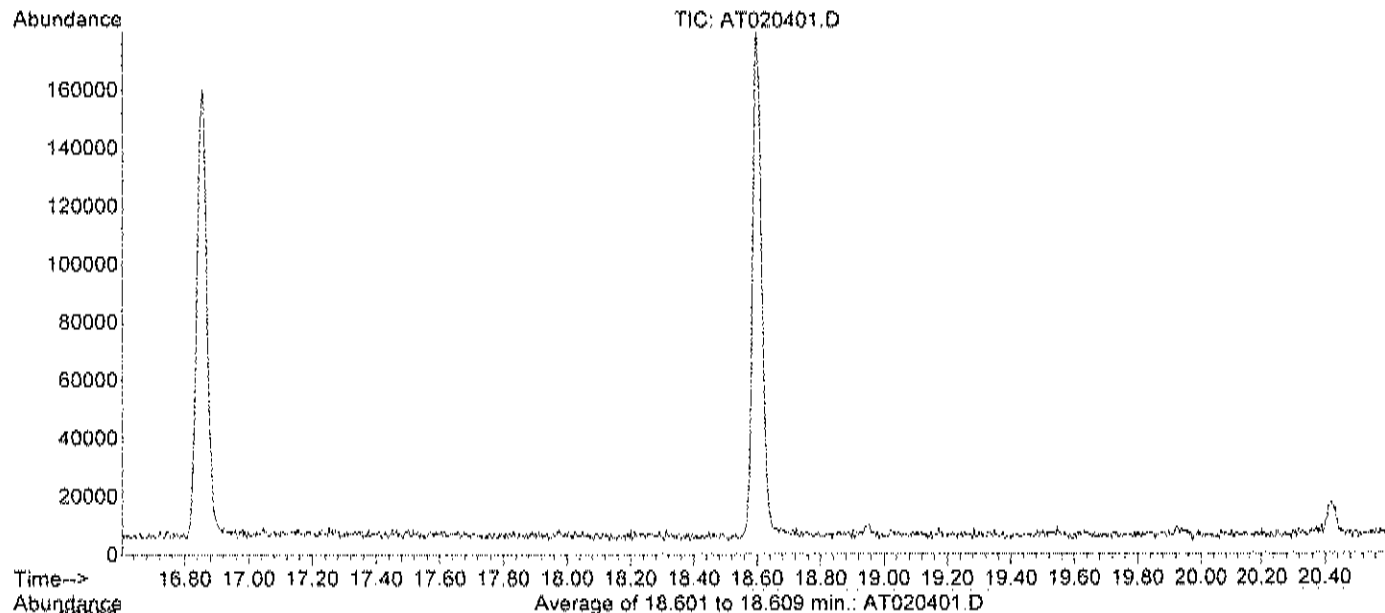
Misc : A201_1UG

Multiplr: 1.00

MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\A201_1UG.M (RTE Integrator)

Title : TO-15 VOA Standards for 5 point calibration



Spectrum Information: Average of 18.601 to 18.609 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	22.3	6148	PASS
75	95	30	66	62.2	17194	PASS
95	95	100	100	100.0	27622	PASS
96	95	5	9	5.8	1604	PASS
173	174	0.00	2	0.3	80	PASS
174	95	50	120	103.9	28712	PASS
175	174	4	9	5.9	1708	PASS
176	174	95	101	96.9	27820	PASS
177	176	5	9	6.0	1660	PASS

GC/MS VOLATILES-WHOLE AIR

METHOD TO-15

RAW QC DATA

Date: 04-Feb-22

CENTEK LABORATORIES, LLC

ANALYTICAL QC SUMMARY REPORT

CLIENT: Matrix Environmental Technologies, Inc
 Work Order: C2202013
 Project: Aquino 6S-67 Lake Ave

TestCode: 0.20_NYS

Sample ID: AMB1UG-020322	SampType: MBLK	TestCode: 0.20_NYS	Units: ppbv	Prep Date:	RunNo: 18586						
Client ID: ZZZZZ	Batch ID: R18586	TestNo: TO-15		Analysis Date: 2/3/2022	SeqNo: 211744						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	< 0.15	0.15									
1,1,2,2-Tetrachloroethane	< 0.15	0.15									
1,1,2-Trichloroethane	< 0.15	0.15									
1,1-Dichloroethane	< 0.15	0.15									
1,1-Dichloroethene	< 0.040	0.040									
1,2,4-Trichlorobenzene	< 0.15	0.15									
1,2,4-Trimethylbenzene	< 0.15	0.15									
1,2-Dibromoethane	< 0.15	0.15									
1,2-Dichlorobenzene	< 0.15	0.15									
1,2-Dichloroethane	< 0.15	0.15									
1,2-Dichloropropane	< 0.15	0.15									
1,3,5-Trimethylbenzene	< 0.15	0.15									
1,3-butadiene	< 0.15	0.15									
1,3-Dichlorobenzene	< 0.15	0.15									
1,4-Dichlorobenzene	< 0.15	0.15									
1,4-Dioxane	< 0.30	0.30									
2,2,4-trimethylpentane	< 0.15	0.15									
4-ethyltoluene	< 0.15	0.15									
Acetone	< 0.30	0.30									
Allyl chloride	< 0.15	0.15									
Benzene	< 0.15	0.15									
Benzyl chloride	< 0.15	0.15									
Bromodichloromethane	< 0.15	0.15									
Bromoform	< 0.15	0.15									
Bromomethane	< 0.15	0.15									

Qualifiers:	Results reported are not blank corrected	E	Estimated Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limit	ND	Not Detected at the Limit of Detection	R	RPD outside accepted recovery limits
S	Spike Recovery outside accepted recovery limits	DL	Detection Limit		

Page 1 of 3

CLIENT: Matrix Environmental Technologies, Inc
Work Order: C2202013
Project: Aquino 63-67 Lake Ave

TestCode: 0.20_NYS

Sample ID: AMB1UG-020322		SampType: MBLK		TestCode: 0.20_NYS		Units: ppbV		Prep Date:		RunNo: 18586	
Client ID: ZZZZZ		Batch ID: R18586		TestNo: TO-15				Analysis Date: 2/3/2022		SeqNo: 211744	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Carbon disulfide	< 0.15	0.15									
Carbon tetrachloride	< 0.030	0.030									
Chlorobenzene	< 0.15	0.15									
Chloroethane	< 0.15	0.15									
Chloroform	< 0.15	0.15									
Chloromethane	< 0.15	0.15									
cis-1,2-Dichloroethene	< 0.040	0.040									
cis-1,3-Dichloropropene	< 0.15	0.15									
Cyclohexane	< 0.15	0.15									
Dibromochloromethane	< 0.15	0.15									
Ethyl acetate	< 0.15	0.15									
Ethylbenzene	< 0.15	0.15									
Freon 11	< 0.15	0.15									
Freon 113	< 0.15	0.15									
Freon 114	< 0.15	0.15									
Freon 12	< 0.15	0.15									
Heptane	< 0.15	0.15									
Hexachloro-1,3-butadiene	< 0.15	0.15									
Hexane	< 0.15	0.15									
Isopropyl alcohol	< 0.15	0.15									
m&p-Xylene	< 0.30	0.30									
Methyl Butyl Ketone	< 0.30	0.30									
Methyl Ethyl Ketone	< 0.30	0.30									
Methyl Isobutyl Ketone	< 0.30	0.30									
Methyl tert-butyl ether	< 0.15	0.15									
Methylene chloride	< 0.15	0.15									
o-Xylene	< 0.15	0.15									
Propylene	< 0.15	0.15									
Styrene	< 0.15	0.15									
Tetrachloroethylene	< 0.15	0.15									
Tetrahydrofuran	< 0.15	0.15									

Qualifiers:

J	Results reported are not blank corrected	E	Estimated Value above quantitation range	!!	Holding times for preparation or analysis exceeded
S	Analyte detected below quantitation limit	ND	Not Detected at the Limit of Detection	R	RPD outside accepted recovery limits
	Spike Recovery outside accepted recovery limits	DL	Detection Limit		

CLIENT: Matrix Environmental Technologies, Inc
Work Order: C2202013
Project: Aquino 65-67 Lake Ave

TestCode: 0.20_NYS

Sample ID: AMB1UG-020322	Sample Type: MBLK	TestCode: 0.20_NYS	Units: ppbv	Prep Date:	RunNo: 18586						
Client ID: ZZZZZ	Batch ID: R18586	TestNo: TO-15		Analysis Date: 2/3/2022	SeqNo: 211744						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Toluene	< 0.15	0.15									
trans-1,2-Dichloroethene	< 0.15	0.15									
trans-1,3-Dichloropropene	< 0.15	0.15									
Trichloroethene	< 0.030	0.030									
Vinyl acetate	< 0.15	0.15									
Vinyl Bromide	< 0.15	0.15									
Vinyl chloride	< 0.040	0.040									

Sample ID: AMB1UG-020422	Sample Type: MBLK	TestCode: 0.20_NYS	Units: ppbv	Prep Date:	RunNo: 18587						
Client ID: ZZZZZ	Batch ID: R18587	TestNo: TO-15		Analysis Date: 2/4/2022	SeqNo: 211775						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,1,1-Trichloroethane	< 0.15	0.15									
1,1,2,2-Tetrachloroethane	< 0.15	0.15									
1,1,2-Trichloroethane	< 0.15	0.15									
1,1-Dichloroethane	< 0.15	0.15									
1,1-Dichloroethene	< 0.040	0.040									
1,2,4-Trichlorobenzene	< 0.15	0.15									
1,2,4-Trimethylbenzene	< 0.15	0.15									
1,2-Dibromoethane	< 0.15	0.15									
1,2-Dichlorobenzene	< 0.15	0.15									
1,2-Dichloroethane	< 0.15	0.15									
1,2-Dichloropropane	< 0.15	0.15									
1,3,5-Trimethylbenzene	< 0.15	0.15									
1,3-butadiene	< 0.15	0.15									
1,3-Dichlorobenzene	< 0.15	0.15									
1,4-Dichlorobenzene	< 0.15	0.15									
1,4-Dioxane	< 0.30	0.30									
2,2,4-Trimethylpentane	< 0.15	0.15									
4-ethyltoluene	< 0.15	0.15									

Qualifiers:	Results reported are not blank corrected	E	Estimated Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limit	ND	Not Detected at the Limit of Detection	R	RPD outside accepted recovery limits
S	Spike Recovery outside accepted recovery limits	DL	Detection Limit		

CLIENT: Matrix Environmental Technologies, Inc
Work Order: C2202013
Project: Aquino 65-67 Lake Ave

TestCode: 0.20_NYS

Sample ID: AMB1UG-020422		SampleType: MBLK	TestCode: 0.20_NYS		Units: ppbV	Prep Date:		RunNo: 18587			
Client ID: ZZZZZ		Batch ID: R18587	TestNo: TO-15			Analysis Date: 2/4/2022		SeqNo: 211775			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acetone	< 0.30	0.30									
Allyl chloride	< 0.15	0.15									
Benzene	< 0.15	0.15									
Benzyl chloride	< 0.15	0.15									
Bromodichloromethane	< 0.15	0.15									
Bromoform	< 0.15	0.15									
Bromomethane	< 0.15	0.15									
Carbon disulfide	< 0.15	0.15									
Carbon tetrachloride	< 0.030	0.030									
Chlorobenzene	< 0.15	0.15									
Chloroethane	< 0.15	0.15									
Chloroform	< 0.15	0.15									
Chloromethane	< 0.15	0.15									
cis-1,2-Dichloroethene	< 0.040	0.040									
cis-1,3-Dichloropropene	< 0.15	0.15									
Cyclohexane	< 0.15	0.15									
Dibromochloromethane	< 0.15	0.15									
Ethyl acetate	< 0.15	0.15									
Ethylbenzene	< 0.15	0.15									
Freon 11	< 0.15	0.15									
Freon 113	< 0.15	0.15									
Freon 114	< 0.15	0.15									
Freon 12	< 0.15	0.15									
Heptane	< 0.15	0.15									
Hexachloro-1,3-butadiene	< 0.15	0.15									
Hexane	< 0.15	0.15									
Isopropyl alcohol	< 0.15	0.15									
m&p-Xylene	< 0.30	0.30									
Methyl Butyl Ketone	< 0.30	0.30									
Methyl Ethyl Ketone	< 0.30	0.30									
Methyl Isobutyl Ketone	< 0.30	0.30									

Qualifiers:	Results reported are not blank corrected	E	Estimated Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limit	ND	Not Detected at the Limit of Detection	R	RPD outside accepted recovery limits
S	Spike Recovery outside accepted recovery limits	DL	Detection Limit		

CLIENT: Matrix Environmental Technologies, Inc
Work Order: C2202013
Project: Aquino 65-67 Lake Ave

TestCode: 0.20_NYS

Sample ID: AMB1UG-020422	SampleType: MBLK	TestCode: 0.20_NYS	Units: ppbV	Prep Date:	RunNo: 18587						
Client ID: ZZZZZ	Batch ID: R18587	TestNo: TO-15		Analysis Date: 2/4/2022	SeqNo: 211775						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether	< 0.15	0.15									
Methylene chloride	< 0.15	0.15									
o-Xylene	< 0.15	0.15									
Propylene	< 0.15	0.15									
Styrene	< 0.15	0.15									
Tetrachloroethylene	< 0.15	0.15									
Tetrahydrofuran	< 0.15	0.15									
Toluene	< 0.15	0.15									
trans-1,2-Dichloroethene	< 0.15	0.15									
trans-1,3-Dichloropropene	< 0.15	0.15									
Trichloroethene	< 0.030	0.030									
Vinyl acetate	< 0.15	0.15									
Vinyl Bromide	< 0.15	0.15									
Vinyl chloride	< 0.040	0.040									

Qualifiers:

J	Results reported are not blank corrected	E	Estimated Value above quantitation range	H	Holding times for preparation or analysis exceeded
S	Analyte detected below quantitation limit	ND	Not Detected at the Limit of Detection	R	RPD outside accepted recovery limits
	Spike Recovery outside accepted recovery limits	DL	Detection Limit		

Data File : C:\HPCHEM\1\DATA\AT020304.D

Vial: 4

Acq On : 3 Feb 2022 10:37 am

Operator: RJP

Sample : AMB1UG-020322

Inst : MSD #1

Misc : A201_1UG

Multiplr: 1.00

MS Integration Params: RTEINT.P

Quant Time: Feb 04 08:24:22 2022

Quant Results File: A201_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A201_1UG.M (RTE Integrator)

Title : TO-15 VOA Standards for 5 point calibration

Last Update : Wed Feb 02 07:40:12 2022

Response via : Initial Calibration

DataAcq Meth : 1UG_ENT

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	9.72	128	37307	1.00	ppb	-0.03
35) 1,4-difluorobenzene	12.02	114	165431	1.00	ppb	-0.02
50) Chlorobenzene-d5	16.85	117	152624	1.00	ppb	-0.01

System Monitoring Compounds

65) Bromofluorobenzene	18.61	95	88053	0.78	ppb	-0.04
Spiked Amount	1.000	Range	70 - 130	Recovery	=	78.00%

Target Compounds

Qvalue

Quantitation Report (QT Reviewed)

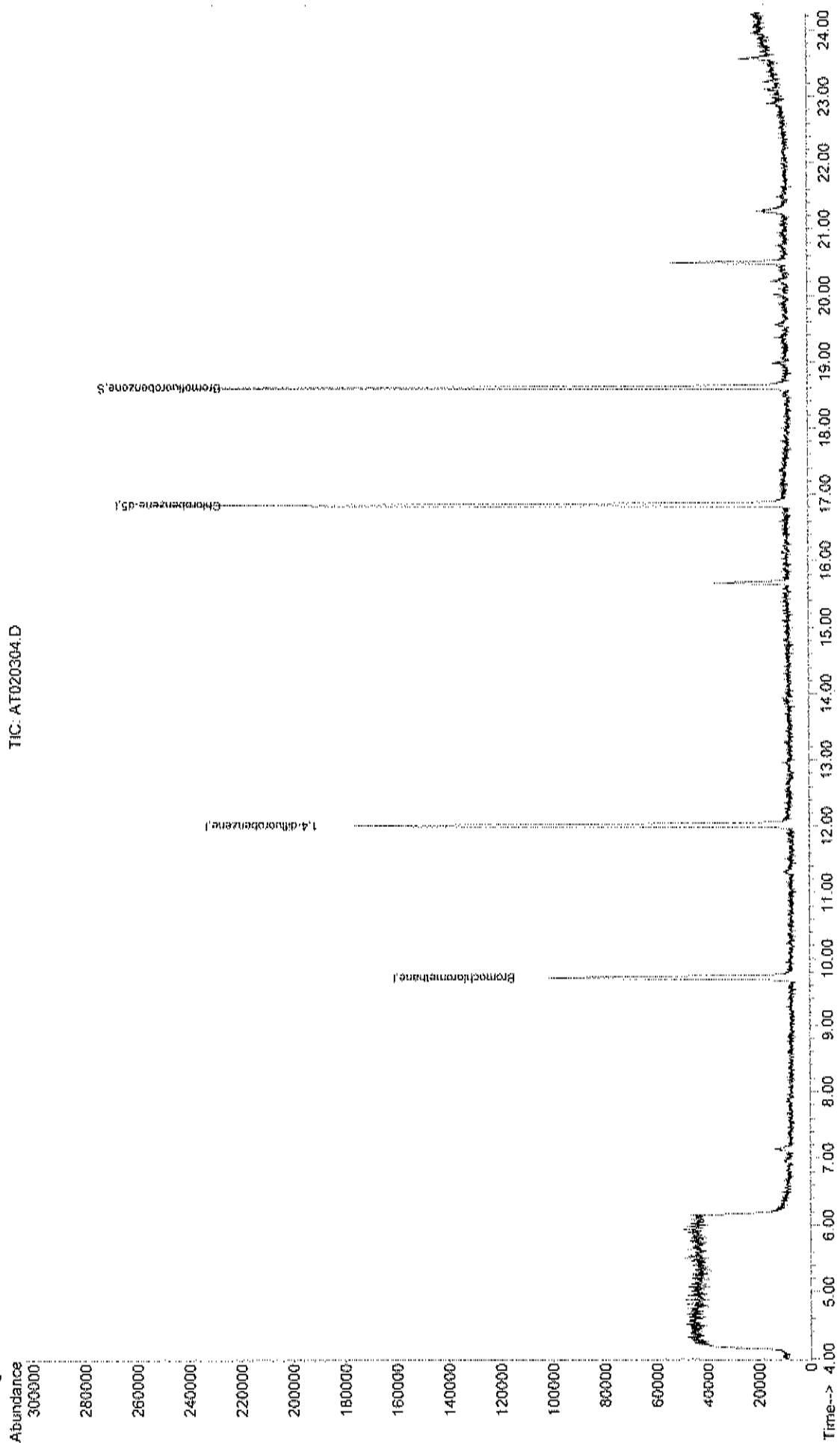
Data File : C:\HPCHEM\1\DATA\AT020304.D
Acq On : 3 Feb 2022 10:37 am
Sample : AMB1UG-020322
Misc : A201_1UG
MS Integration Params: RTEINT.P
Quant Time: Feb 4 8:24 2022

Vial: 4
Operator: RJP
Inst : MSD #1
Multiplr: 1.00

Quant Results File: A201_1UG.RES

Method : C:\HPCHEM\1\METHODS\A201_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Fri Feb 04 14:02:12 2022
Response via : Initial Calibration

TIC: AT020304.D



Data File : C:\HPCHEM\1\DATA\AT020404.D

Vial: 4

Acq On : 4 Feb 2022 11:22 am

Operator: RJP

Sample : AMB1UG-020422

Inst : MSD #1

Misc : A201_1UG

Multiplr: 1.00

MS Integration Params: RTEINT.P

Quant Time: Feb 04 11:48:16 2022

Quant Results File: A201_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A201_1UG.M (RTE Integrator)

Title : TO-15 VOA Standards for 5 point calibration

Last Update : Wed Feb 02 07:40:12 2022

Response via : Initial Calibration

DataAcq Meth : 1UG_ENT

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	9.74	128	31342	1.00	ppb	-0.01
35) 1,4-difluorobenzene	12.03	114	143110	1.00	ppb	0.00
50) Chlorobenzene-d5	16.85	117	114459	1.00	ppb	0.00

System Monitoring Compounds

65) Bromofluorobenzene	18.65	95	76445	0.91	ppb	0.00
Spiked Amount	1.000	Range	70 - 130	Recovery	=	91.00%

Target Compounds

Qvalue

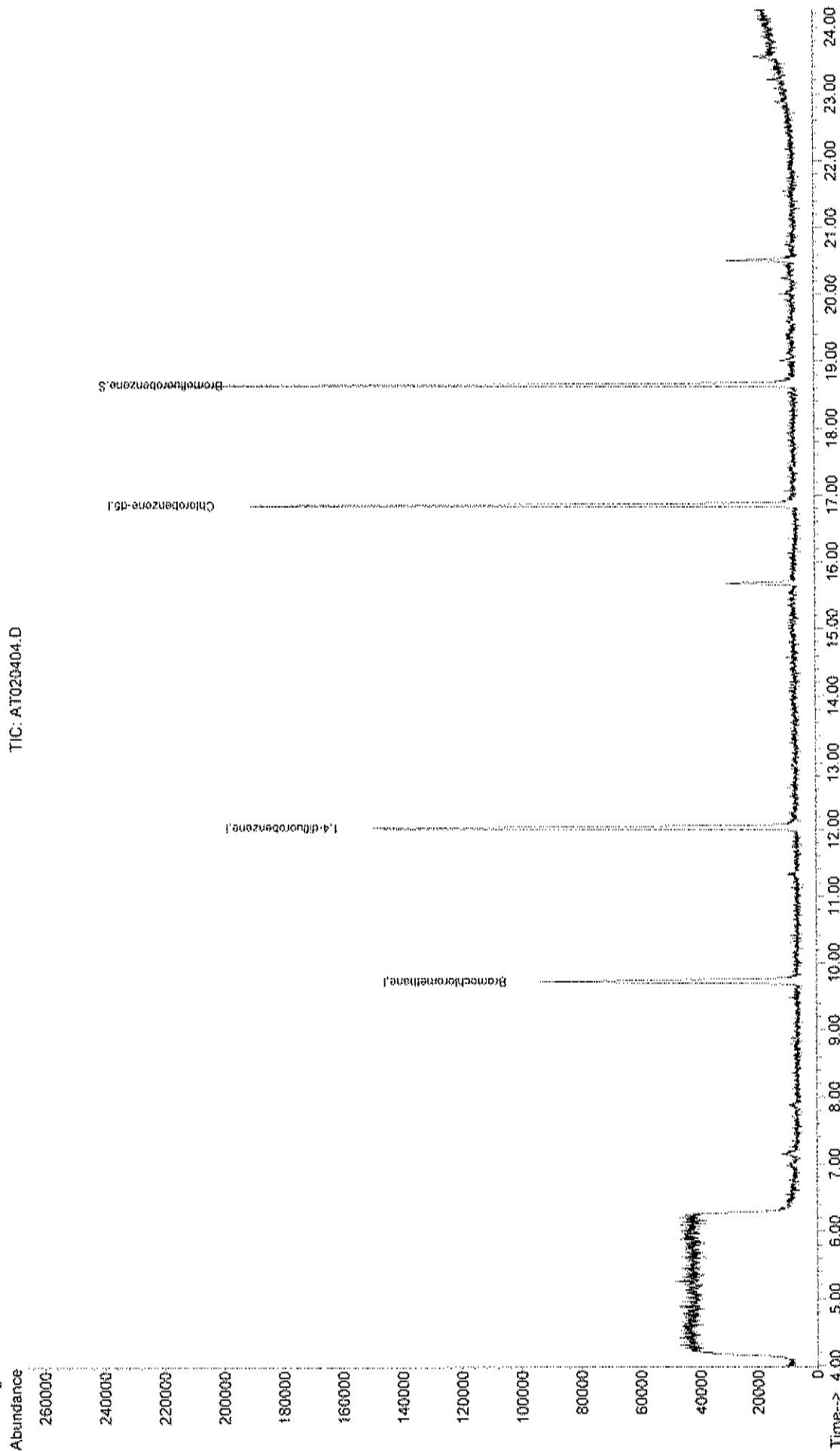
Data File : C:\HPCHEM\1\DATA\AT020404.D
Acq On : 4 Feb 2022 11:22 am
Sample : AMB1UG-020422
Misc : A201_1UG
MS Integration Params: RTEINT.P
Quant Time: Feb 4 11:48 2022

Vial: 4
Operator: RJP
Inst : MSD #1
Multiplr: 1.00

Quant Results File: A201_1UG.RES

Method : C:\HPCHEM\1\METHODS\A201_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Fri Feb 04 14:02:12 2022
Response via : Initial Calibration

TIC: AT020404.D



Date: 04-Feb-22

CENTEK LABORATORIES, LLC

ANALYTICAL QC SUMMARY REPORT

CLIENT: Matrix Environmental Technologies, Inc
 Work Order: C2202013
 Project: Aquino 65-67 Lake Ave

TestCode: 0.20_NYS

Sample ID: ALCS1UG-020322		SampType: LCS		TestCode: 0.20_NYS		Units: ppbV		Prep Date:		RunNo: 18586	
Client ID: ZZZZZ		Batch ID: R18586		TestNo: TO-15				Analysis Date: 2/3/2022		SeqNo: 211745	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	0.9600	0.15	1	0	96.0	91.3	127				S
1,1,2,2-Tetrachloroethane	0.8500	0.15	1	0	85.0	78.7	121				
1,1,2-Trichloroethane	0.9400	0.15	1	0	94.0	88.1	136				
1,1-Dichloroethane	0.9500	0.15	1	0	95.0	86.1	123				
1,1-Dichloroethene	0.9900	0.040	1	0	99.0	70	94				
1,2,4-Trichlorobenzene	0.8700	0.15	1	0	87.0	76.7	112				
1,2,4-Trimethylbenzene	0.9300	0.15	1	0	93.0	74.3	123				
1,2-Dibromoethane	0.9400	0.15	1	0	94.0	80.4	125				
1,2-Dichlorobenzene	0.8400	0.15	1	0	84.0	79.5	143				
1,2-Dichloroethane	0.9900	0.15	1	0	99.0	70.9	133				
1,2-Dichloropropane	0.9400	0.15	1	0	94.0	91	134				
1,3,5-Trimethylbenzene	0.8800	0.15	1	0	88.0	77.4	138				
1,3-butadiene	0.9500	0.15	1	0	95.0	71	144				
1,3-Dichlorobenzene	0.8900	0.15	1	0	89.0	84.7	128				
1,4-Dichlorobenzene	0.9000	0.15	1	0	90.0	77.9	131				
1,4-Dioxane	0.9600	0.30	1	0	96.0	60.9	133				
2,2,4-trimethylpentane	0.9500	0.15	1	0	95.0	86.9	126				
4-ethyltoluene	0.8900	0.15	1	0	89.0	77.5	133				
Acetone	1.070	0.30	1	0	107	46.7	165				
Allyl chloride	0.9400	0.15	1	0	94.0	86.6	117				
Benzene	0.9500	0.15	1	0	95.0	88.9	122				
Benzyl chloride	0.9300	0.15	1	0	93.0	73.6	120				
Bromodichloromethane	0.9700	0.15	1	0	97.0	84.3	133				
Bromoform	0.8700	0.15	1	0	87.0	44.6	149				
Bromomethane	0.9800	0.15	1	0	98.0	78.7	144				

Qualifiers: J Results reported are not blank corrected E Estimated Value above quantitation range H Holding times for preparation or analysis exceeded
 S Analyte detected below quantitation limit ND Not Detected at the Limit of Detection R RPD outside accepted recovery limits
 S Spike Recovery outside accepted recovery limits DL Detection Limit

CLIENT: Matrix Environmental Technologies, Inc
Work Order: C2202013
Project: Aquino 65-67 Lake Ave

TestCode: 0.20_NYS

Sample ID: ALCS1UG-020322		SampType: LCS		TestCode: 0.20_NYS		Units: ppbV		Prep Date:		RunNo: 18586	
Client ID: ZZZZZ		Batch ID: R18586		TestNo: TO-15		Analysis Date: 2/3/2022		SeqNo: 211745			
Analyte	Result	POL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Carbon disulfide	0.9000	0.15	1	0	90.0	76.9	109				
Carbon tetrachloride	0.8900	0.030	1	0	89.0	71	120				
Chlorobenzene	0.9500	0.15	1	0	95.0	82.6	121				
Chloroethane	0.9900	0.15	1	0	99.0	67.1	146				
Chloroform	0.9700	0.15	1	0	97.0	82.5	125				
Chloromethane	0.9400	0.15	1	0	94.0	71.1	154				
cis-1,2-Dichloroethene	0.9500	0.040	1	0	95.0	71.2	112				
cis-1,3-Dichloropropene	0.9800	0.15	1	0	98.0	90.3	137				
Cyclohexane	0.9800	0.15	1	0	98.0	87	122				
Dibromochloromethane	0.9300	0.15	1	0	93.0	62.8	132				
Ethyl acetate	0.9600	0.15	1	0	96.0	86.9	134				
Ethylbenzene	0.9700	0.15	1	0	97.0	76.9	123				
Freon 11	1.040	0.15	1	0	104	54.4	150				
Freon 113	0.9500	0.15	1	0	95.0	83.4	124				
Freon 114	0.9700	0.15	1	0	97.0	70.2	133				
Freon 12	0.9500	0.15	1	0	95.0	86.3	135				
Heptane	0.9800	0.15	1	0	98.0	86.5	137				
Hexachloro-1,3-butadiene	0.8600	0.15	1	0	86.0	78.7	120				
Hexane	0.8500	0.15	1	0	85.0	77.3	128				
Isopropyl alcohol	1.020	0.15	1	0	102	80.2	122				
m&p-Xylene	1.910	0.30	2	0	95.5	77.9	132				
Methyl Butyl Ketone	0.9500	0.30	1	0	95.0	69.4	131				
Methyl Ethyl Ketone	0.9700	0.30	1	0	97.0	71.5	117				
Methyl Isobutyl Ketone	0.9200	0.30	1	0	92.0	63.5	141				
Methyl tert-butyl ether	0.9800	0.15	1	0	98.0	80.8	113				
Methylene chloride	0.9400	0.15	1	0	94.0	87.8	123				
o-Xylene	0.8800	0.15	1	0	88.0	80.5	139				
Propylene	0.8400	0.15	1	0	84.0	73.8	124				
Styrene	0.8600	0.15	1	0	86.0	82.7	138				
Tetrachloroethylene	0.9200	0.15	1	0	92.0	85.9	122				
Tetrahydrofuran	0.9500	0.15	1	0	95.0	65.5	134				

Qualifiers: J Results reported are net blank corrected
S Analyte detected below quantitation limit
S Spike Recovery outside accepted recovery limits
E Estimated Value above quantitation range
NO Not Detected at the Limit of Detection
DL Detection Limit
H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits

CLIENT: Matrix Environmental Technologies, Inc
Work Order: C2202013
Project: Aquino 65-67 Lake Ave

TestCode: 0.20_NYS

Sample ID: ALCS1UG-020322	Sample Type: LCS	TestCode: 0.20_NYS	Units: ppbV	Prep Date:	RunNo: 18586
Client ID: ZZZZZ	Batch ID: R18586	TestNo: TO-15		Analysis Date: 2/3/2022	SeqNo: 211745

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	0.9200	0.15	1	0	92.0	77.8	127				
trans-1,2-Dichloroethene	0.9500	0.15	1	0	95.0	83.3	116				
trans-1,3-Dichloropropene	1.080	0.15	1	0	108	84.8	134				
Trichloroethene	0.9000	0.030	1	0	90.0	79.3	117				
Vinyl acetate	0.9300	0.15	1	0	93.0	70.5	101				
Vinyl Bromide	0.9500	0.15	1	0	95.0	81.4	142				
Vinyl chloride	0.9500	0.040	1	0	95.0	70.4	138				

Sample ID: ALCS1UG-020422	Sample Type: LCS	TestCode: 0.20_NYS	Units: ppbV	Prep Date:	RunNo: 18587
Client ID: ZZZZZ	Batch ID: R18587	TestNo: TO-15		Analysis Date: 2/4/2022	SeqNo: 211776

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	1.080	0.15	1	0	108	91.3	127				
1,1,2,2-Tetrachloroethane	1.000	0.15	1	0	100	78.7	121				
1,1,2-Trichloroethane	1.010	0.15	1	0	101	88.1	136				
1,1-Dichloroethane	1.040	0.15	1	0	104	86.1	123				
1,1-Dichloroethene	1.060	0.040	1	0	106	70	94				
1,2,4-Trichlorobenzene	1.110	0.15	1	0	111	76.7	112				
1,2,4-Trimethylbenzene	1.070	0.15	1	0	107	74.3	123				
1,2-Dibromobenzene	1.000	0.15	1	0	100	80.4	125				
1,2-Dichlorobenzene	1.080	0.15	1	0	108	79.5	143				
1,2-Dichloroethane	1.100	0.15	1	0	110	70.9	133				
1,2-Dichloropropane	1.010	0.15	1	0	101	91	134				
1,3,5-Trimethylbenzene	1.070	0.15	1	0	107	77.4	138				
1,3-butadiene	1.180	0.15	1	0	118	71	144				
1,3-Dichlorobenzene	1.090	0.15	1	0	109	84.7	128				
1,4-Dichlorobenzene	1.090	0.15	1	0	109	77.9	131				
1,4-Dioxane	0.9700	0.30	1	0	97.0	60.9	133				
2,2,4-trimethylpentane	0.9800	0.15	1	0	98.0	86.9	126				
4-ethyltoluene	1.090	0.15	1	0	109	77.5	133				

Qualifiers:

J	Results reported are not blank corrected	E	Estimated Value above quantitation range	HE	Holding times for preparation or analysis exceeded
S	Analyte detected below quantitation limit	ND	Not Detected at the Limit of Detection	R	RPD outside accepted recovery limits
	Spike Recovery outside accepted recovery limits	DL	Detection Limit		

CLIENT: Matrix Environmental Technologies, Inc
Work Order: C2202013
Project: Aquino 65-67 Lake Ave

TestCode: 0.20_NYS

Sample ID: ALCS1UG-020422	Sample Type: LCS	TestCode: 0.20_NYS	Units: ppbV	Prep Date:	RunNo: 18587						
Client ID: ZZZZZ	Batch ID: R18587	TestNo: TO-15		Analysis Date: 2/4/2022	SeqNo: 211776						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acetone	1.060	0.30	1	0	106	46.7	165				
Allyl chloride	1.020	0.15	1	0	102	86.6	117				
Benzene	1.030	0.15	1	0	103	88.9	122				
Benzyl chloride	1.120	0.15	1	0	112	73.6	120				
Bromodichloromethane	1.090	0.15	1	0	109	84.3	133				
Bromoform	1.020	0.15	1	0	102	44.6	149				
Bromomethane	1.220	0.15	1	0	122	78.7	144				
Carbon disulfide	1.010	0.15	1	0	101	76.9	109				
Carbon tetrachloride	1.030	0.030	1	0	103	71	120				
Chlorobenzene	1.020	0.15	1	0	102	82.6	121				
Chloroethane	1.340	0.15	1	0	134	67.1	146				
Chloroform	1.090	0.15	1	0	109	82.5	125				
Chloromethane	1.220	0.15	1	0	122	71.1	154				
cis-1,2-Dichloroethene	1.000	0.040	1	0	100	71.2	112				
cis-1,3-Dichloropropene	1.040	0.15	1	0	104	90.3	137				
Cyclohexane	0.9900	0.15	1	0	99.0	87	122				
Dibromochloromethane	1.020	0.15	1	0	102	62.8	132				
Ethyl acetate	1.020	0.15	1	0	102	86.9	134				
Ethylbenzene	1.030	0.15	1	0	103	76.9	123				
Freon 11	1.350	0.15	1	0	135	54.4	150				
Freon 113	1.090	0.15	1	0	109	83.4	124				
Freon 114	1.250	0.15	1	0	125	70.2	133				
Freon 12	1.170	0.15	1	0	117	86.3	135				
Heptane	0.9900	0.15	1	0	99.0	86.5	137				
Hexachloro-1,3-butadiene	1.100	0.15	1	0	110	78.7	120				
Hexane	1.040	0.15	1	0	104	77.3	128				
Isopropyl alcohol	1.230	0.15	1	0	123	80.2	122				
m&p-Xylene	2.100	0.30	2	0	105	77.9	132				
Methyl Butyl Ketone	0.9700	0.30	1	0	97.0	69.4	131				
Methyl Ethyl Ketone	0.9400	0.30	1	0	94.0	71.5	117				
Methyl Isobutyl Ketone	0.9400	0.30	1	0	94.0	63.5	141				

S

Qualifiers: J Results reported are not blank corrected
S Analyte detected below quantitation limit
S Spike Recovery outside accepted recovery limits
E Estimated Value above quantitation range
ND Not Detected at the Limit of Detection
DL Detection Limit
H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits

CLIENT: Matrix Environmental Technologies, Inc
Work Order: C2202013
Project: Aquino 65-67 Lake Ave

TestCode: 0.20_NYS

Sample ID: ALCS1UG-020422	Sample Type: LCS	TestCode: 0.20_NYS	Units: ppbv	Prep Date:	RunNo: 18587
Client ID: ZZZZZ	Batch ID: R18587	TestNo: TO-15		Analysis Date: 2/4/2022	SeqNo: 211776

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether	1.040	0.15	1	0	104	80.8	113				
Methylene chloride	1.030	0.15	1	0	103	87.8	123				
o-Xylene	1.060	0.15	1	0	106	80.5	139				
Propylene	1.010	0.15	1	0	101	73.8	124				
Styrene	1.070	0.15	1	0	107	82.7	138				
Tetrachloroethylene	1.000	0.15	1	0	100	85.9	122				
Tetrahydrofuran	0.9700	0.15	1	0	97.0	65.5	134				
Toluene	1.010	0.15	1	0	101	77.8	127				
trans-1,2-Dichloroethane	1.030	0.15	1	0	103	83.3	116				
trans-1,3-Dichloropropene	1.020	0.15	1	0	102	84.8	134				
Trichloroethene	0.9500	0.030	1	0	95.0	79.3	117				
Vinyl acetate	1.010	0.15	1	0	101	70.5	101				
Vinyl Bromide	1.190	0.15	1	0	119	81.4	142				
Vinyl chloride	1.160	0.040	1	0	116	70.4	138				

Sample ID: ALCS1UGD-020322	Sample Type: LCSD	TestCode: 0.20_NYS	Units: ppbv	Prep Date:	RunNo: 18586
Client ID: ZZZZZ	Batch ID: R18586	TestNo: TO-15		Analysis Date: 2/3/2022	SeqNo: 211746

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	1.040	0.15	1	0	104	91.3	127	0.96	8.00	0	
1,1,2,2-Tetrachloroethane	0.9600	0.15	1	0	96.0	78.7	121	0.85	12.2	0	
1,1,2-Trichloroethane	0.9800	0.15	1	0	98.0	88.1	136	0.94	4.17	0	
1,1-Dichloroethane	1.070	0.15	1	0	107	86.1	123	0.95	11.9	0	
1,1-Dichloroethene	1.030	0.040	1	0	103	70	94	0.99	3.96	0	S
1,2,4-Trichlorobenzene	1.010	0.15	1	0	101	76.7	112	0.87	14.9	0	
1,2,4-Trimethylbenzene	1.020	0.15	1	0	102	74.3	123	0.93	9.23	0	
1,2-Dibromoethane	1.010	0.15	1	0	101	80.4	125	0.94	7.18	0	
1,2-Dichlorobenzene	1.020	0.15	1	0	102	79.5	143	0.84	19.4	0	
1,2-Dichloroethane	1.090	0.15	1	0	109	70.9	133	0.99	9.62	0	
1,2-Dichloropropane	0.9800	0.15	1	0	98.0	91	134	0.94	4.17	0	

Qualifiers: J Results reported are not blank corrected E Estimated Value above quantitation range H Holding times for preparation or analysis exceeded
S Analyte detected below quantitation limit ND Not Detected at the Limit of Detection R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits DL Detection Limit

CLIENT: Matrix Environmental Technologies, Inc
 Work Order: C2202013
 Project: Aquino 65-67 Lake Ave

TestCode: 0.20_NYS

Sample ID: ALCS1UGD-020322		SampType: LCSD		TestCode: 0.20_NYS		Units: ppbV		Prep Date:		RunNo: 18586			
Client ID: ZZZZZ		Batch ID: R18586		TestNo: TO-15		Analysis Date: 2/3/2022						SeqNo: 211746	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual		
1,3,5-Trimethylbenzene	1.030	0.15	1	0	103	77.4	138	0.88	15.7	0	0		
1,3-butadiene	1.090	0.15	1	0	109	71	144	0.95	13.7	0	0		
1,3-Dichlorobenzene	1.050	0.15	1	0	105	84.7	128	0.89	16.5	0	0		
1,4-Dichlorobenzene	1.030	0.15	1	0	103	77.9	131	0.9	13.5	0	0		
1,4-Dioxane	0.9600	0.30	1	0	96.0	60.9	133	0.96	0	0	0		
2,2,4-trimethylpentane	0.9900	0.15	1	0	99.0	86.9	126	0.95	4.12	0	0		
4-ethyltoluene	1.030	0.15	1	0	103	77.5	133	0.89	14.6	0	0		
Acetone	1.080	0.30	1	0	108	46.7	165	1.07	0.930	0	0		
Allyl chloride	1.010	0.15	1	0	101	86.6	117	0.94	7.18	0	0		
Benzene	1.000	0.15	1	0	100	88.9	122	0.95	5.13	0	0		
Benzyl chloride	1.030	0.15	1	0	103	73.6	120	0.93	10.2	0	0		
Bromodichloromethane	1.020	0.15	1	0	102	84.3	133	0.97	5.03	0	0		
Bromoform	0.9800	0.15	1	0	98.0	44.6	149	0.87	11.9	0	0		
Bromomethane	1.130	0.15	1	0	113	78.7	144	0.98	14.2	0	0		
Carbon disulfide	0.9900	0.15	1	0	99.0	76.9	109	0.9	9.52	0	0		
Carbon tetrachloride	0.9900	0.030	1	0	99.0	71	120	0.89	10.6	0	0		
Chlorobenzene	1.000	0.15	1	0	100	82.6	121	0.95	5.13	0	0		
Chloroethane	1.170	0.15	1	0	117	67.1	146	0.99	16.7	0	0		
Chloroform	1.050	0.15	1	0	105	82.5	125	0.97	7.92	0	0		
Chloromethane	1.160	0.15	1	0	116	71.1	154	0.94	21.0	0	0		
cis-1,2-Dichloroethene	1.010	0.040	1	0	101	71.2	112	0.95	6.12	0	0		
cis-1,3-Dichloropropene	1.010	0.15	1	0	101	90.3	137	0.98	3.02	0	0		
Cyclohexane	0.9900	0.15	1	0	99.0	87	122	0.98	1.02	0	0		
Dibromochloromethane	0.9900	0.15	1	0	99.0	62.8	132	0.93	6.25	0	0		
Ethyl acetate	1.010	0.15	1	0	101	86.9	134	0.96	5.08	0	0		
Ethylbenzene	1.010	0.15	1	0	101	76.9	123	0.97	4.04	0	0		
Freon 11	1.230	0.15	1	0	123	54.4	150	1.04	16.7	0	0		
Freon 113	1.060	0.15	1	0	106	83.4	124	0.95	10.9	0	0		
Freon 114	1.150	0.15	1	0	115	70.2	133	0.97	17.0	0	0		
Freon 12	1.120	0.15	1	0	112	86.3	135	0.95	16.4	0	0		
Heptane	0.9800	0.15	1	0	98.0	86.5	137	0.98	0	0	0		

Qualifiers: J Results reported are not blank corrected E Estimated Value above quantitation range H Holding times for preparation or analysis exceeded
 S Analyte detected below quantitation limit NID Not Detected at the Limit of Detection R RPD outside accepted recovery limits
 Spike Recovery outside accepted recovery limits DL Detection Limit

CLIENT: Matrix Environmental Technologies, Inc
 Work Order: C2202013
 Project: Aquino 65-67 Lake Ave

TestCode: 0.20_NYS

Sample ID: ALCS1UGD-020322		SampType: LCSD		TestCode: 0.20_NYS		Units: ppbV		Prep Date:		RunNo: 18586	
Client ID: ZZZZZ		Batch ID: R18586		TestNo: TO-15				Analysis Date: 2/3/2022		SeqNo: 211746	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexachloro-1,3-butadiene	1.020	0.15	1	0	102	48.1	160	0.85	17.0	0	0
Hexane	0.9600	0.15	1	0	96.0	77.3	128	0.85	12.2	0	0
Isopropyl alcohol	1.050	0.15	1	0	105	80.2	122	1.02	2.90	0	0
m&p-Xylene	2.080	0.30	2	0	104	77.9	132	1.91	8.52	0	0
Methyl Butyl Ketone	0.9900	0.30	1	0	99.0	69.4	131	0.95	4.12	0	0
Methyl Ethyl Ketone	1.050	0.30	1	0	105	71.5	117	0.97	7.92	0	0
Methyl Isobutyl Ketone	0.9600	0.30	1	0	96.0	63.5	141	0.92	4.26	0	0
Methyl tert-butyl ether	1.040	0.15	1	0	104	80.8	113	0.98	5.94	0	0
Methylene chloride	1.030	0.15	1	0	103	87.8	123	0.94	9.14	0	0
o-Xylene	1.010	0.15	1	0	101	80.5	139	0.88	13.8	0	0
Propylene	1.000	0.15	1	0	100	73.8	124	0.84	17.4	0	0
Styrene	1.010	0.15	1	0	101	82.7	138	0.86	16.0	0	0
Tetrachloroethylene	0.9800	0.15	1	0	98.0	85.9	122	0.92	6.32	0	0
Tetrahydrofuran	0.9700	0.15	1	0	97.0	65.5	134	0.95	2.08	0	0
Toluene	0.9800	0.15	1	0	98.0	77.8	127	0.92	6.32	0	0
trans-1,2-Dichloroethene	1.050	0.15	1	0	105	83.3	116	0.95	10.0	0	0
trans-1,3-Dichloropropene	1.040	0.15	1	0	104	84.8	134	1.08	3.77	0	0
Trichloroethene	0.9300	0.030	1	0	93.0	79.3	117	0.9	3.28	0	0
Vinyl acetate	1.010	0.15	1	0	101	70.5	101	0.93	8.25	0	0
Vinyl Bromide	1.130	0.15	1	0	113	81.4	142	0.95	17.3	0	0
Vinyl chloride	1.120	0.040	1	0	112	70.4	138	0.95	16.4	0	0

Qualifiers: J Results reported are not blank corrected
 S Analyte detected below quantitation limit
 5 Spike Recovery outside accepted recovery limits

E Estimated Value above quantitation range
 N/D Not Detected at the Limit of Detection
 DL Detection Limit

H Holding times for preparation or analysis exceeded
 R RPD outside accepted recovery limits

Data File : C:\HPCHEM\1\DATA\AT020303.D

Vial: 3

Acq On : 3 Feb 2022 9:56 am

Operator: RJP

Sample : ALCS1UG-020322

Inst : MSD #1

Misc : A201_1UG

Multiplr: 1.00

MS Integration Params: RTEINT.P

Quant Time: Feb 04 08:24:21 2022

Quant Results File: A201_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A201_1UG.M (RTE Integrator)

Title : TO-15 VOA Standards for 5 point calibration

Last Update : Wed Feb 02 07:40:12 2022

Response via : Initial Calibration

DataAcq Meth : 1UG_ENT

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	9.72	128	38268	1.00	ppb	-0.03
35) 1,4-difluorobenzene	12.02	114	167276	1.00	ppb	-0.02
50) Chlorobenzene-d5	16.85	117	155326	1.00	ppb	-0.02

System Monitoring Compounds

65) Bromofluorobenzene	18.64	95	107380	0.94	ppb	-0.02
Spiked Amount	1.000	Range	70 - 130	Recovery	=	94.00%

Target Compounds

						Qvalue
2) Propylene	4.10	41	28356	0.84	ppb	85
3) Freon 12	4.15	85	252073	0.95	ppb	100
4) Chloromethane	4.34	50	61559	0.94	ppb	95
5) Freon 114	4.35	85	209491	0.97	ppb	97
6) Vinyl Chloride	4.54	62	59321	0.95	ppb	91
7) Butane	4.64	43	66463	0.90	ppb	98
8) 1,3-butadiene	4.65	39	53557	0.95	ppb	96
9) Bromomethane	4.99	94	77322	0.98	ppb	97
10) Chloroethane	5.15	64	26889	0.99	ppb	# 89
11) Ethanol	5.25	45	12725	0.78	ppb	94
12) Acrolein	5.82	56	17372	0.92	ppb	98
13) Vinyl Bromide	5.49	106	81207	0.95	ppb	97
14) Freon 11	5.77	101	296864	1.04	ppb	99
15) Acetone	5.93	58	28955	1.07	ppb	84
16) Pentane	6.04	42	52169	1.08	ppb	92
17) Isopropyl alcohol	6.02	45	85158	1.02	ppb	89
18) 1,1-dichloroethene	6.52	96	57066	0.99	ppb	# 87
19) Freon 113	6.72	101	138025	0.95	ppb	98
20) t-Butyl alcohol	6.75	59	103059	0.96	ppb	97
21) Methylene chloride	6.98	84	49286	0.94	ppb	92
22) Allyl chloride	6.97	41	50114	0.94	ppb	98
23) Carbon disulfide	7.13	76	152434	0.90	ppb	100
24) trans-1,2-dichloroethene	7.92	61	78579	0.95	ppb	92
25) methyl tert-butyl ether	7.94	73	143539	0.98	ppb	89
26) 1,1-dichloroethane	8.34	63	98456	0.95	ppb	98
27) Vinyl acetate	8.33	43	69681	0.93	ppb	98
28) Methyl Ethyl Ketone	8.83	72	23192	0.97	ppb	# 100
29) cis-1,2-dichloroethene	9.28	61	74979	0.95	ppb	89
30) Hexane	8.89	57	56290	0.85	ppb	85
31) Ethyl acetate	9.42	43	109430	0.96	ppb	96
32) Chloroform	9.89	83	156551	0.97	ppb	100
33) Tetrahydrofuran	10.05	42	39884	0.95	ppb	88
34) 1,2-dichloroethane	10.99	62	117477	0.99	ppb	99
36) 1,1,1-trichloroethane	10.71	97	178120	0.96	ppb	100
37) Cyclohexane	11.42	56	59905	0.98	ppb	# 80
38) Carbon tetrachloride	11.36	117	212711	0.89	ppb	100
39) Benzene	11.33	78	146396	0.95	ppb	94
40) Methyl methacrylate	12.91	41	65893	0.98	ppb	91
41) 1,4-dioxane	12.92	88	38507	0.96	ppb	88
42) 2,2,4-trimethylpentane	12.20	57	189569	0.95	ppb	91
43) Heptane	12.55	43	66265	0.98	ppb	95
44) Trichloroethene	12.67	130	82127	0.90	ppb	96
45) 1,2-dichloropropane	12.78	63	50832	0.94	ppb	98

(#)=qualifier out of range (m)=manual integration

AT020303.D A201_1UG.M

Fri Feb 04 14:30:55 2022

MSD1

Page 1

Data File : C:\HPCHEM\1\DATA\AT020303.D

Vial: 3

Acq On : 3 Feb 2022 9:56 am

Operator: RJP

Sample : ALCS1UG-020322

Inst : MSD #1

Misc : A201_1UG

Multiplr: 1.00

MS Integration Params: RTEINT.P

Quant Time: Feb 04 08:24:21 2022

Quant Results File: A201_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A201_1UG.M (RTE Integrator)

Title : TO-15 VOA Standards for 5 point calibration

Last Update : Wed Feb 02 07:40:12 2022

Response via : Initial Calibration

DataAcq Meth : 1UG_ENT

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
46) Bromodichloromethane	13.12	83	169937	0.97	ppb	99
47) cis-1,3-dichloropropene	13.95	75	92496	0.98	ppb	98
48) trans-1,3-dichloropropene	14.72	75	94722	1.08	ppb	93
49) 1,1,2-trichloroethane	15.05	97	68690	0.94	ppb	97
51) Toluene	14.80	92	111048	0.92	ppb	96
52) Methyl Isobutyl Ketone	13.86	43	101225	0.92	ppb	98
53) Dibromochloromethane	15.78	129	175139	0.93	ppb	99
54) Methyl Butyl Ketone	15.23	43	94992	0.95	ppb	96
55) 1,2-dibromoethane	16.05	107	116814	0.94	ppb	95
56) Tetrachloroethylene	15.87	164	88591	0.92	ppb	99
57) Chlorobenzene	16.90	112	168322	0.95	ppb	95
58) Ethylbenzene	17.17	91	269591	0.97	ppb	98
59) m&p-xylene	17.39	91	452081	1.91	ppb	93
60) Nonane	17.80	43	100244	0.89	ppb	98
61) Styrene	17.86	104	149648	0.86	ppb	82
62) Bromoform	17.99	173	155709	0.87	ppb	99
63) o-xylene	17.90	91	228807	0.88	ppb	95
64) Cumene	18.52	105	282311	0.87	ppb	98
66) 1,1,2,2-tetrachloroethane	18.39	83	142184	0.85	ppb	100
67) Propylbenzene	19.13	120	76535	0.87	ppb	92
68) 2-Chlorotoluene	19.18	126	77484	0.88	ppb	# 60
69) 4-ethyltoluene	19.32	105	290199	0.89	ppb	76
70) 1,3,5-trimethylbenzene	19.39	105	259837	0.88	ppb	94
71) 1,2,4-trimethylbenzene	19.90	105	249418	0.93	ppb	95
72) 1,3-dichlorobenzene	20.24	146	166697	0.89	ppb	95
73) benzyl chloride	20.32	91	138007	0.93	ppb	98
74) 1,4-dichlorobenzene	20.39	146	164438	0.90	ppb	92
75) 1,2,3-trimethylbenzene	20.44	105	259656	0.88	ppb	97
76) 1,2-dichlorobenzene	20.75	146	159462	0.84	ppb	93
77) 1,2,4-trichlorobenzene	22.88	180	78907	0.87	ppb	98
78) Naphthalene	23.08	128	199994	0.85	ppb	99
79) Hexachloro-1,3-butadiene	23.20	225	146804	0.86	ppb	93

 (#) = qualifier out of range (m) = manual integration (+) = signals summed

AT020303.D A201_1UG.M

Fri Feb 04 14:30:55 2022

MSD1

Page 2

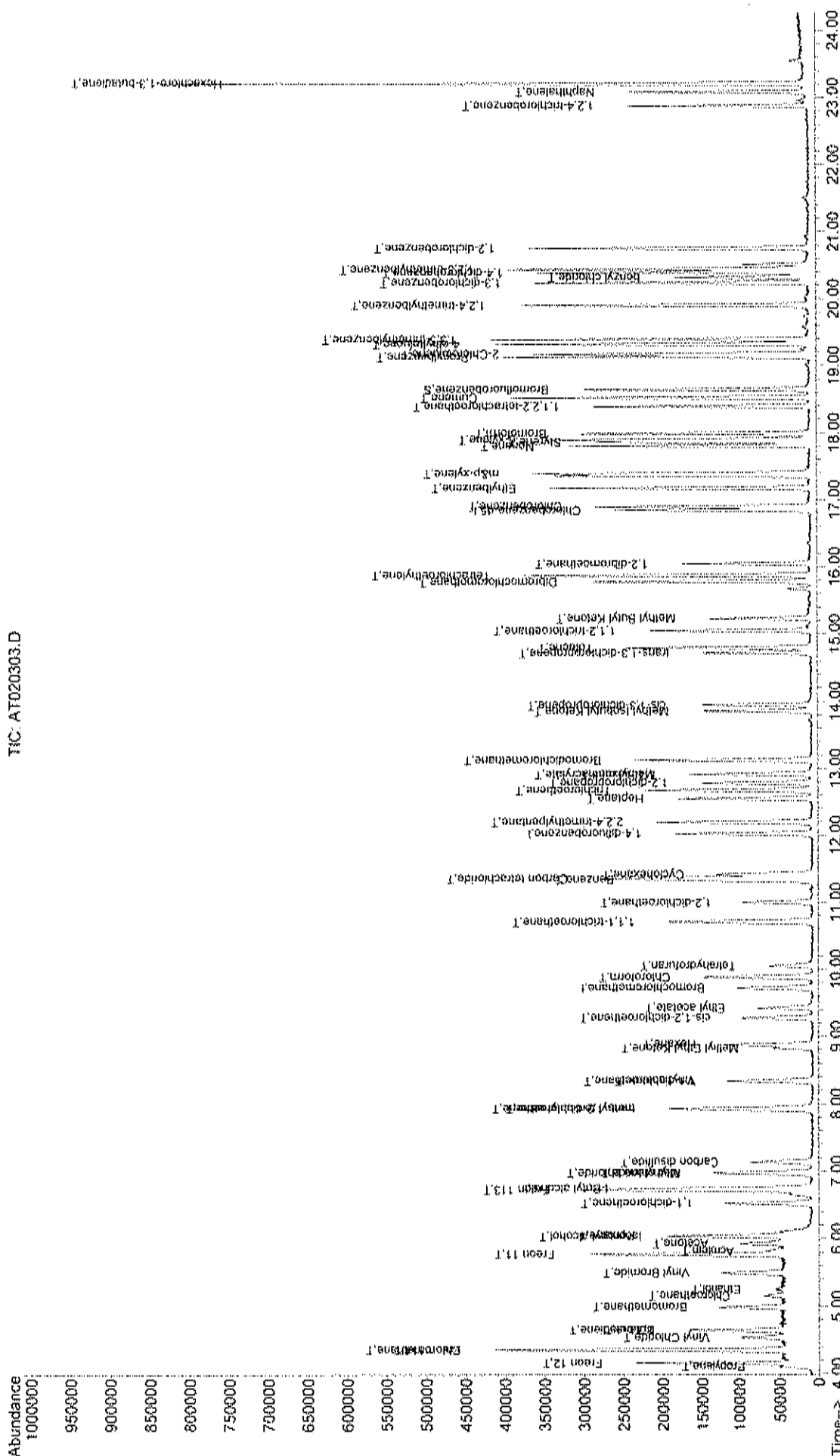
Data File : C:\HPCHEM\1\DATA\AT020303.D
Acq On : 3 Feb 2022 9:56 am
Sample : ALCS1UG-020322
Misc : A201_1UG
MS Integration Params: RTEINT.P
Quant Time: Feb 4 8:24 2022

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: C:\HPCHEM\1\METHODS\A201_LUG.M (RTE Integrator)
: TO-15 VOA Standards for 5 point calibration
Last Update : Fri Feb 04 14:02:12 2022
Response via : Initial Calibration

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REC- AF020303.D



Data File : C:\HPCHEM\1\DATA\AT020403.D

Vial: 3

Acq On : 4 Feb 2022 10:40 am

Operator: RJP

Sample : ALCS1UG-020422

Inst : MSD #1

Misc : A201_1UG

Multiplr: 1.00

MS Integration Params: RTEINT.P

Quant Time: Feb 04 11:43:25 2022

Quant Results File: A201_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A201_1UG.M (RTE Integrator)

Title : TO-15 VOA Standards for 5 point calibration

Last Update : Wed Feb 02 07:40:12 2022

Response via : Initial Calibration

DataAcq Meth : 1UG_ENT

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	9.73	128	29135	1.00	ppb	-0.02
35) 1,4-difluorobenzene	12.03	114	125986	1.00	ppb	-0.02
50) Chlorobenzene-d5	16.85	117	112172	1.00	ppb	-0.01

System Monitoring Compounds

65) Bromofluorobenzene	18.64	95	92442	1.12	ppb	-0.01
Spiked Amount	1.000	Range	70 - 130	Recovery	=	112.00%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
2) Propylene	4.10	41	26100	1.01	ppb	92
3) Freon 12	4.15	85	235907	1.17	ppb	98
4) Chloromethane	4.34	50	60582	1.22	ppb	98
5) Freon 114	4.35	85	205102	1.25	ppb	96
6) Vinyl Chloride	4.54	62	55038	1.16	ppb	97
7) Butane	4.64	43	63570	1.13	ppb	97
8) 1,3-butadiene	4.64	39	50514	1.18	ppb	95
9) Bromomethane	4.99	94	73068	1.22	ppb	99
10) Chloroethane	5.15	64	27892	1.34	ppb	99
11) Ethanol	5.24	45	12746	1.03	ppb	# 46
12) Acrolein	5.83	56	15249	1.06	ppb	93
13) Vinyl Bromide	5.49	106	77410	1.19	ppb	100
14) Freon 11	5.77	101	292243	1.35	ppb	99
15) Acetone	5.92	58	21979m	1.06	ppb	
16) Pentane	6.04	42	45943	1.25	ppb	89
17) Isopropyl alcohol	6.03	45	78325	1.23	ppb	85
18) 1,1-dichloroethene	6.53	96	46451	1.06	ppb	# 84
19) Freon 113	6.72	101	121372	1.09	ppb	96
20) t-Butyl alcohol	6.75	59	83880	1.03	ppb	98
21) Methylene chloride	6.98	84	41127	1.03	ppb	90
22) Allyl chloride	6.96	41	41296	1.02	ppb	96
23) Carbon disulfide	7.14	76	129497	1.01	ppb	100
24) trans-1,2-dichloroethene	7.92	61	65030	1.03	ppb	93
25) methyl tert-butyl ether	7.94	73	115850	1.04	ppb	88
26) 1,1-dichloroethane	8.35	63	82007	1.04	ppb	97
27) Vinyl acetate	8.33	43	58059	1.01	ppb	99
28) Methyl Ethyl Ketone	8.83	72	16978	0.94	ppb	# 100
29) cis-1,2-dichloroethene	9.28	61	59686	1.00	ppb	89
30) Hexane	8.88	57	52138	1.04	ppb	95
31) Ethyl acetate	9.43	43	88397	1.02	ppb	96
32) Chloroform	9.89	83	133319	1.09	ppb	100
33) Tetrahydrofuran	10.05	42	31150	0.97	ppb	89
34) 1,2-dichloroethane	11.00	62	99927	1.10	ppb	98
36) 1,1,1-trichloroethane	10.72	97	151192	1.08	ppb	99
37) Cyclohexane	11.43	56	45579	0.99	ppb	# 73
38) Carbon tetrachloride	11.37	117	185248	1.03	ppb	100
39) Benzene	11.33	78	119171	1.03	ppb	95
40) Methyl methacrylate	12.91	41	52431	1.03	ppb	92
41) 1,4-dioxane	12.92	88	29364	0.97	ppb	89
42) 2,2,4-trimethylpentane	12.20	57	146845	0.98	ppb	89
43) Heptane	12.55	43	50448	0.99	ppb	95
44) Trichloroethene	12.68	130	65384	0.95	ppb	96
45) 1,2-dichloropropane	12.79	63	40784	1.01	ppb	91

(#)=qualifier out of range (m)=manual integration

AT020403.D A201_1UG.M

Fri Feb 04 14:31:07 2022

MSD1

Page 1

Data File : C:\HPCHEM\1\DATA\AT020403.D

Vial: 3

Acq On : 4 Feb 2022 10:40 am

Operator: RJP

Sample : ALCS1UG-020422

Inst : MSD #1

Misc : A201 1UG

Multiplr: 1.00

MS Integration Params: RTEINT.P

Quant Time: Feb 04 11:43:25 2022

Quant Results File: A201_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A201_1UG.M (RTE Integrator)

Title : TO-15 VOA Standards for 5 point calibration

Last Update : Wed Feb 02 07:40:12 2022

Response via : Initial Calibration

DataAcq Meth : 1UG_ENT

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
46) Bromodichloromethane	13.13	83	144452	1.09	ppb	99
47) cis-1,3-dichloropropene	13.95	75	73465	1.04	ppb	98
48) trans-1,3-dichloropropene	14.72	75	67297	1.02	ppb	99
49) 1,1,2-trichloroethane	15.05	97	55665	1.01	ppb	99
51) Toluene	14.80	92	88141	1.01	ppb	99
52) Methyl Isobutyl Ketone	13.86	43	74283	0.94	ppb	96
53) Dibromochloromethane	15.78	129	138494	1.02	ppb	100
54) Methyl Butyl Ketone	15.23	43	70177	0.97	ppb	95
55) 1,2-dibromoethane	16.05	107	90237	1.00	ppb	97
56) Tetrachloroethylene	15.88	164	69502	1.00	ppb	99
57) Chlorobenzene	16.90	112	129841	1.02	ppb	95
58) Ethylbenzene	17.18	91	208009	1.03	ppb	99
59) m&p-xylene	17.40	91	358838	2.10	ppb	94
60) Nonane	17.81	43	80955	1.00	ppb	97
61) Styrene	17.87	104	134608	1.07	ppb	86
62) Bromoform	17.99	173	130876	1.02	ppb	99
63) o-xylene	17.90	91	199248	1.06	ppb	93
64) Cumene	18.53	105	243557	1.04	ppb	99
66) 1,1,2,2-tetrachloroethane	18.40	83	120434	1.00	ppb	99
67) Propylbenzene	19.13	120	66363	1.05	ppb	92
68) 2-Chlorotoluene	19.18	126	66415	1.05	ppb	# 58
69) 4-ethyltoluene	19.33	105	254717	1.09	ppb	76
70) 1,3,5-trimethylbenzene	19.40	105	228739	1.07	ppb	93
71) 1,2,4-trimethylbenzene	19.90	105	207301	1.07	ppb	96
72) 1,3-dichlorobenzene	20.24	146	147046	1.09	ppb	96
73) benzyl chloride	20.32	91	119987	1.12	ppb	98
74) 1,4-dichlorobenzene	20.39	146	144151	1.09	ppb	93
75) 1,2,3-trimethylbenzene	20.44	105	229788	1.08	ppb	99
76) 1,2-dichlorobenzene	20.75	146	148363	1.08	ppb	96
77) 1,2,4-trichlorobenzene	22.88	180	72478	1.11	ppb	99
78) Naphthalene	23.08	128	182888	1.08	ppb	99
79) Hexachloro-1,3-butadiene	23.20	225	135966	1.10	ppb	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

AT020403.D A201_1UG.M

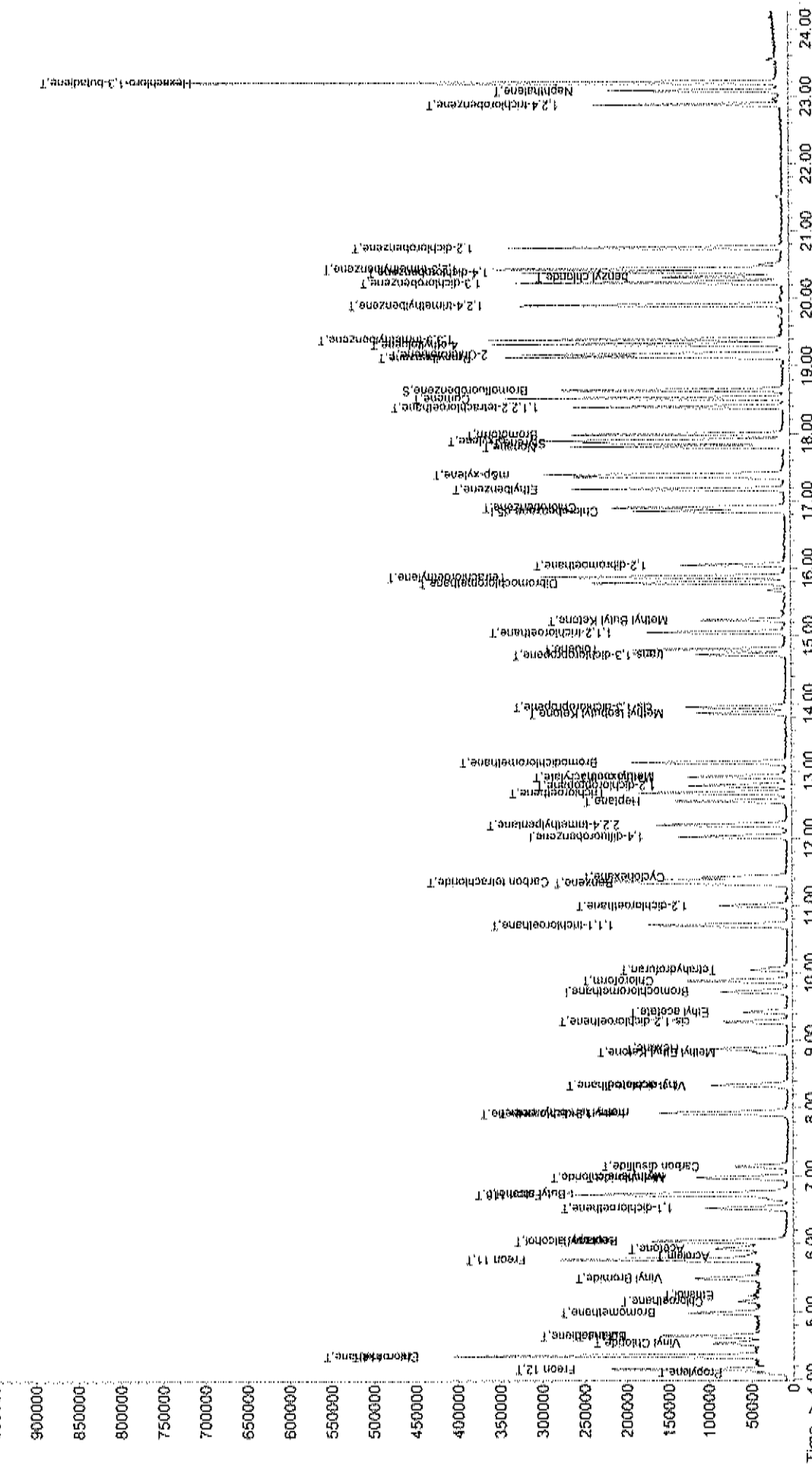
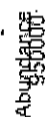
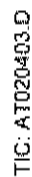
Fri Feb 04 14:31:07 2022

MSD1

Page 2

Vial: 3
Operator: RJP
Inst : MSD #1
Multiplr: 1.00
Quant Results File: A201 1UG.RES

Quant Results File: A201 1UG.RES



Data File : C:\HPCHEM\1\DATA\AT020320.D

Vial: 44

Acq On : 3 Feb 2022 10:26 pm

Operator: RJP

Sample : ALCS1UGD-020322

Inst : MSD #1

Misc : A201_1UG

Multiplier: 1.00

MS Integration Params: RTEINT.P

Quant Time: Feb 04 08:24:38 2022

Quant Results File: A201_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A201_1UG.M (RTE Integrator)

Title : TO-15 VOA Standards for 5 point calibration

Last Update : Wed Feb 02 07:40:12 2022

Response via : Initial Calibration

DataAcq Meth : 1UG_ENT

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	9.72	128	32837	1.00	ppb	-0.03
35) 1,4-difluorobenzene	12.03	114	145184	1.00	ppb	-0.02
50) Chlorobenzene-d5	16.85	117	127813	1.00	ppb	-0.02

System Monitoring Compounds

65) Bromofluorobenzene	18.65	95	103723	1.10	ppb	0.00
Spiked Amount	1.000	Range	70 - 130	Recovery	=	110.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Propylene	4.10	41	29107	1.00	ppb	89
3) Freon 12	4.15	85	255196	1.12	ppb	99
4) Chloromethane	4.34	50	64821	1.16	ppb	96
5) Freon 114	4.35	85	213155	1.15	ppb	97
6) Vinyl Chloride	4.54	62	59946	1.12	ppb	94
7) Butane	4.64	43	69404	1.10	ppb	97
8) 1,3-butadiene	4.64	39	52603	1.09	ppb	100
9) Bromomethane	4.98	94	76809	1.13	ppb	98
10) Chloroethane	5.16	64	27366	1.17	ppb	98
11) Ethanol	5.25	45	16680	1.20	ppb	91
12) Acrolein	5.82	56	17216	1.07	ppb	95
13) Vinyl Bromide	5.49	106	83355	1.13	ppb	98
14) Freon 11	5.76	101	300137	1.23	ppb	99
15) Acetone	5.93	58	25175	1.08	ppb	# 1
16) Pentane	6.03	42	41483	1.00	ppb	# 8
17) Isopropyl alcohol	6.03	45	75116	1.05	ppb	# 1
18) 1,1-dichloroethene	6.52	96	50975	1.03	ppb	# 80
19) Freon 113	6.72	101	133264	1.06	ppb	97
20) t-Butyl alcohol	6.75	59	95646	1.04	ppb	95
21) Methylene chloride	6.98	84	46338	1.03	ppb	93
22) Allyl chloride	6.97	41	45914	1.01	ppb	96
23) Carbon disulfide	7.13	76	144347	0.99	ppb	99
24) trans-1,2-dichloroethene	7.92	61	74617	1.05	ppb	93
25) methyl tert-butyl ether	7.93	73	131374	1.04	ppb	90
26) 1,1-dichloroethane	8.34	63	95210	1.07	ppb	97
27) Vinyl acetate	8.33	43	65265	1.01	ppb	99
28) Methyl Ethyl Ketone	8.83	72	21446	1.05	ppb	# 100
29) cis-1,2-dichloroethene	9.28	61	68013	1.01	ppb	89
30) Hexane	8.87	57	54404	0.96	ppb	# 86
31) Ethyl acetate	9.43	43	99004	1.01	ppb	98
32) Chloroform	9.88	83	144851	1.05	ppb	99
33) Tetrahydrofuran	10.05	42	35084	0.97	ppb	88
34) 1,2-dichloroethane	11.00	62	111481	1.09	ppb	100
36) 1,1,1-trichloroethane	10.71	97	168422	1.04	ppb	99
37) Cyclohexane	11.42	56	52469	0.99	ppb	# 74
38) Carbon tetrachloride	11.36	117	205802	0.99	ppb	97
39) Benzene	11.32	78	133240	1.00	ppb	95
40) Methyl methacrylate	12.90	41	58699	1.01	ppb	93
41) 1,4-dioxane	12.92	88	33419	0.96	ppb	89
42) 2,2,4-trimethylpentane	12.20	57	170662	0.99	ppb	90
43) Heptane	12.55	43	58015	0.98	ppb	97
44) Trichloroethene	12.67	130	73792	0.93	ppb	96
45) 1,2-dichloropropane	12.78	63	45900	0.98	ppb	96

(#)=qualifier out of range (m)=manual integration

AT020320.D A201_1UG.M

Fri Feb 04 14:31:02 2022

MSD1

Page 1

Data File : C:\HPCHEM\1\DATA\AT020320.D

Vial: 44

Acq On : 3 Feb 2022 10:26 pm

Operator: RJP

Sample : ALCS1UGD-020322

Inst : MSD #1

Misc : A201_1UG

Multiplr: 1.00

MS Integration Params: RTEINT.P

Quant Time: Feb 04 08:24:38 2022

Quant Results File: A201_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A201_1UG.M (RTE Integrator)

Title : TO-15 VOA Standards for 5 point calibration

Last Update : Wed Feb 02 07:40:12 2022

Response via : Initial Calibration

DataAcq Meth : 1UG_ENT

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
46) Bromodichloromethane	13.12	83	156051	1.02	ppb	99
47) cis-1,3-dichloropropene	13.94	75	82740	1.01	ppb	96
48) trans-1,3-dichloropropene	14.72	75	79356	1.04	ppb	100
49) 1,1,2-trichloroethane	15.05	97	62146	0.98	ppb	99
51) Toluene	14.80	92	97710	0.98	ppb	95
52) Methyl Isobutyl Ketone	13.85	43	86554	0.96	ppb	97
53) Dibromochloromethane	15.78	129	153849	0.99	ppb	100
54) Methyl Butyl Ketone	15.23	43	81330	0.99	ppb	95
55) 1,2-dibromoethane	16.05	107	103809	1.01	ppb	94
56) Tetrachloroethylene	15.87	164	77482	0.98	ppb	100
57) Chlorobenzene	16.90	112	146124	1.00	ppb	97
58) Ethylbenzene	17.18	91	230189	1.01	ppb	98
59) m&p-xylene	17.39	91	405243	2.08	ppb	93
60) Nonane	17.80	43	92092	1.00	ppb	98
61) Styrene	17.86	104	144927	1.01	ppb	84
62) Bromoform	17.99	173	144176	0.98	ppb	99
63) o-xylene	17.90	91	216339	1.01	ppb	92
64) Cumene	18.52	105	266273	1.00	ppb	97
66) 1,1,2,2-tetrachloroethane	18.39	83	131690	0.96	ppb	99
67) Propylbenzene	19.13	120	72981	1.01	ppb	94
68) 2-Chlorotoluene	19.18	126	74449	1.03	ppb	# 60
69) 4-ethyltoluene	19.32	105	275014	1.03	ppb	76
70) 1,3,5-trimethylbenzene	19.39	105	251515	1.03	ppb	95
71) 1,2,4-trimethylbenzene	19.90	105	226726	1.02	ppb	98
72) 1,3-dichlorobenzene	20.24	146	161310	1.05	ppb	97
73) benzyl chloride	20.32	91	125640	1.03	ppb	98
74) 1,4-dichlorobenzene	20.39	146	154897	1.03	ppb	93
75) 1,2,3-trimethylbenzene	20.44	105	252890	1.04	ppb	95
76) 1,2-dichlorobenzene	20.75	146	158801	1.02	ppb	95
77) 1,2,4-trichlorobenzene	22.87	180	75177	1.01	ppb	99
78) Naphthalene	23.08	128	191195	0.99	ppb	99
79) Hexachloro-1,3-butadiene	23.20	225	144230	1.02	ppb	94

 (#) = qualifier out of range (m) = manual integration (+) = signals summed
 AT020320.D A201_1UG.M Fri Feb 04 14:31:03 2022 MSD1

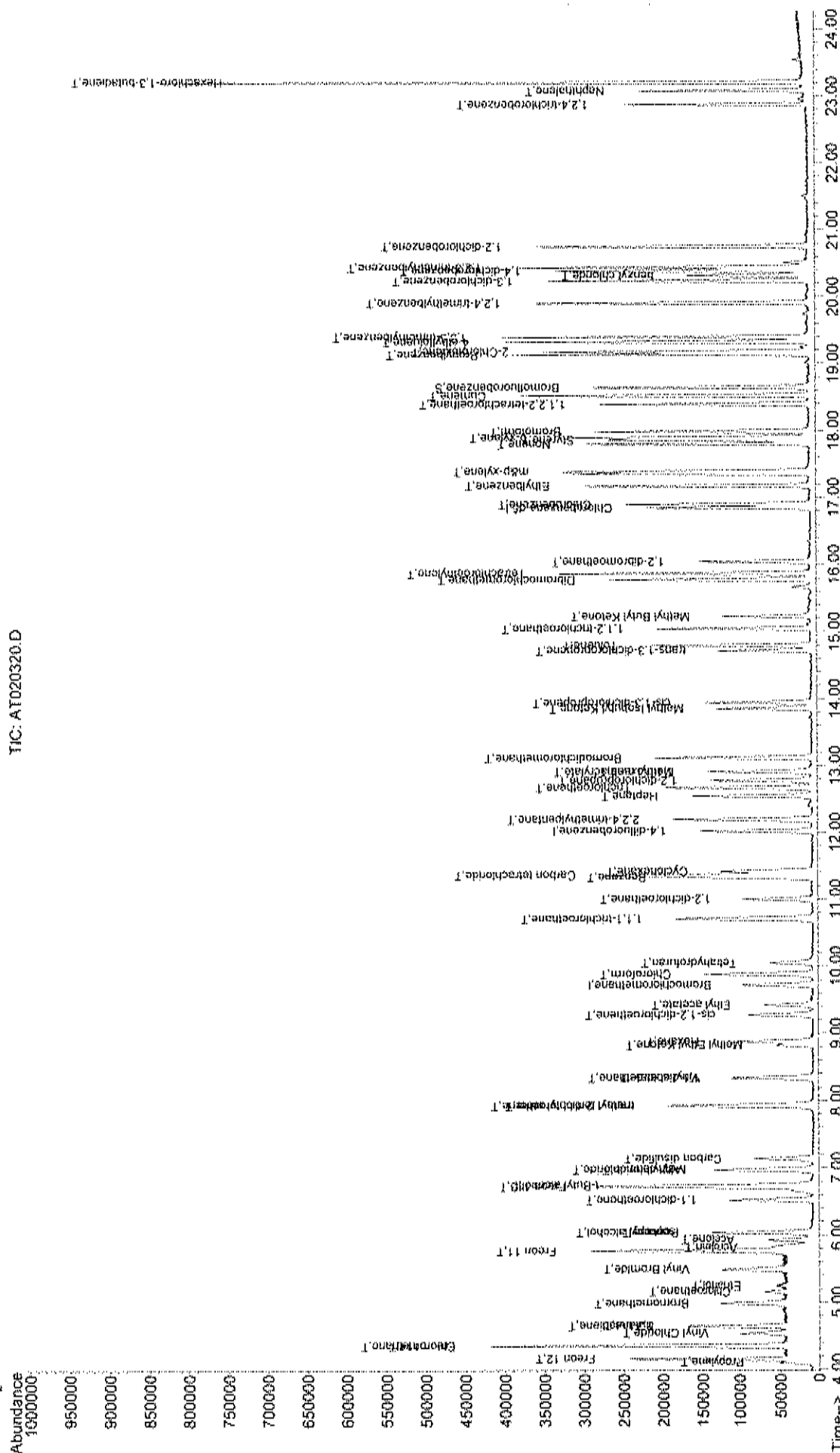
Data File : C:\HPCHEM\1\DATA\AT020320.D
Acq On : 3 Feb 2022 10:26 pm
Sample : ALCSTUGD-020322
Misc : A201 IUG
MS Integration Params: RTEINT.P
Quant Time: Feb 4 8:24 2022

Vial: 44
Operator: RJP
Inst : MSD #1
Multiplr: 1.00

Quant Results File: A201_IUG.RES

Method : C:\HPCHEM\1\METHODS\A201_IUG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Fri Feb 04 14:02:12 2022
Response via : Initial Calibration

TIC: AT020320.D



GC/MS VOLATILES-WHOLE AIR

METHOD TO-15

INJECTION LOG

Injection Log

Directory: C:\HPCHEM\1\DATA

Document # 1
 Std. Stock # A4826
 Sample # 4827
 Misc. Info: 4828 Injected
 Date: 2022-02-02 Time: 10:09

Line	Vial	FileName	Multiplier	SampleName	Misc. Info	Time
1	2	At020101.d	1.	BFB1UG	A201_1UG	1 Feb 2022 18:01
2	1	At020102.d	1.	A1UG	A201_1UG	1 Feb 2022 19:00
3	2	At020103.d	1.	A1UG_2.0	A201_1UG	1 Feb 2022 19:48
4	3	At020104.d	1.	A1UG_1.50	A201_1UG	1 Feb 2022 20:34
5	4	At020105.d	1.	A1UG_1.25	A201_1UG	1 Feb 2022 21:18
6	5	At020106.d	1.	A1UG_1.0	A201_1UG	1 Feb 2022 22:02
7	6	At020107.d	1.	A1UG_0.75	A201_1UG	1 Feb 2022 22:45
8	7	At020108.d	1.	A1UG_0.50	A201_1UG	1 Feb 2022 23:27
9	8	At020109.d	1.	A1UG_0.30	A201_1UG	2 Feb 2022 00:08
10	9	At020110.d	1.	A1UG_0.15	A201_1UG	2 Feb 2022 00:51
11	11	At020111.d	1.	A1UG_0.10	A201_1UG	2 Feb 2022 02:15
12	12	At020112.d	1.	A1UG_0.04	A201_1UG	2 Feb 2022 02:57
13	13	At020113.d	1.	A1UG_0.03	A201_1UG	2 Feb 2022 03:38
14	13	At020114.d	1.	ALCS1UG-020122	A201_1UG	2 Feb 2022 08:02
15	14	At020115.d	1.	AMB1UG-020122	A201_1UG	2 Feb 2022 08:42
16	1	At020116.d	1.	WAC020122A	A201_1UG	2 Feb 2022 09:34
17	2	At020117.d	1.	WAC020122B	A201_1UG	2 Feb 2022 10:16
18	3	At020118.d	1.	WAC020122C	A201_1UG	2 Feb 2022 10:58
19	4	At020119.d	1.	WAC020122D	A201_1UG	2 Feb 2022 11:40
20	5	At020120.d	1.	WAC020122E	A201_1UG	2 Feb 2022 12:22
21	6	At020121.d	1.	WAC020122F	A201_1UG	2 Feb 2022 13:04
22	7	At020122.d	1.	C2202010-001A	A201_1UG	2 Feb 2022 14:34
23	8	At020123.d	1.	C2202010-001A 10X	A201_1UG	2 Feb 2022 15:17
24	9	At020124.d	1.	C2202010-001A 40X	A201_1UG	2 Feb 2022 15:59
25	9	At020125.d	1.	ALCS1UGD-020122	A201_1UG	2 Feb 2022 16:43
26		At020126.d	1.	No MS or GC data present		
27	1	At020301.d	1.	BFB1UG	A201_1UG	3 Feb 2022 08:25
28	2	At020302.d	1.	A1UG_1.0	A201_1UG	3 Feb 2022 09:11
29	3	At020303.d	1.	ALCS1UG-020322	A201_1UG	3 Feb 2022 09:56
30	4	At020304.d	1.	AMB1UG-020322	A201_1UG	3 Feb 2022 10:37
31	1	At020305.d	1.	C2202008-001A	A201_1UG	3 Feb 2022 11:22
32	2	At020306.d	1.	C2202008-002A	A201_1UG	3 Feb 2022 12:06
33	3	At020307.d	1.	C2202008-003A	A201_1UG	3 Feb 2022 12:50
34	4	At020308.d	1.	C2202008-004A	A201_1UG	3 Feb 2022 13:35
35	5	At020309.d	1.	C2202008-005A	A201_1UG	3 Feb 2022 14:19
36	6	At020310.d	1.	C2202008-006A	A201_1UG	3 Feb 2022 15:03
37	7	At020311.d	1.	C2202008-007A	A201_1UG	3 Feb 2022 15:47
38	8	At020312.d	1.	C2202008-008A	A201_1UG	3 Feb 2022 16:31
39	9	At020313.d	1.	C2202013-001A	A201_1UG	3 Feb 2022 17:16
40	10	At020314.d	1.	C2202013-002A	A201_1UG	3 Feb 2022 18:00
41	11	At020315.d	1.	C2202013-003A	A201_1UG	3 Feb 2022 18:45
42	12	At020316.d	1.	C2202013-004A	A201_1UG	3 Feb 2022 19:29
43	41	At020317.d	1.	C2202013-005A	A201_1UG	3 Feb 2022 20:13
44	42	At020318.d	1.	C2202013-006A	A201_1UG	3 Feb 2022 20:58
45	43	At020319.d	1.	C2202013-007A	A201_1UG	3 Feb 2022 21:42
46	44	At020320.d	1.	ALCS1UGD-020322	A201_1UG	3 Feb 2022 22:26
47	45	At020321.d	1.	C2202008-001A 20X	A201_1UG	3 Feb 2022 23:09
48	46	At020322.d	1.	C2202008-002A 10X	A201_1UG	3 Feb 2022 23:52
49	47	At020323.d	1.	C2202008-003A 10X	A201_1UG	4 Feb 2022 00:35
50	48	At020324.d	1.	C2202008-004A 10X	A201_1UG	4 Feb 2022 01:17
51	49	At020325.d	1.	C2202008-005A 10X	A201_1UG	4 Feb 2022 02:00
52	50	At020326.d	1.	C2202008-006A 10X	A201_1UG	4 Feb 2022 02:43
53	51	At020327.d	1.	C2202008-007A 10X	A201_1UG	4 Feb 2022 03:26
54	52	At020328.d	1.	C2202008-008A 10X	A201_1UG	4 Feb 2022 04:09
55	53	At020329.d	1.	C2202013-001A 4X	A201_1UG	4 Feb 2022 04:51

Injection Log

Directory: C:\HPCHEM\1\DATA

Sample # 1
 Injection # A-1826
 Date 4/8/22
 Time 4:28
 Injected 229

Line	Vial	FileName	Multiplier	SampleName	Misc Info	
56	54	At020330.d	1.	C2202013-002A 10X	A201_1UG	4 Feb 2022 05:32
57	55	At020331.d	1.	C2202013-003A 10X	A201_1UG	4 Feb 2022 06:15
58	56	At020332.d	1.	C2202013-004A 10X	A201_1UG	4 Feb 2022 06:58
59	57	At020333.d	1.	C2202013	A201_1UG-005A 10X	4 Feb 2022 07:41
50	58	At020334.d	1.	C2202013-005A 40X	A201_1UG	4 Feb 2022 08:23
51		At020335.d	1.	No MS or GC data present		
52	1	At020401.d	1.	BFB1UG	A201_1UG	4 Feb 2022 09:10
53	2	At020402.d	1.	A1UG_1.0	A201_1UG	4 Feb 2022 09:56
54	3	At020403.d	1.	ALCS1UG-020422	A201_1UG	4 Feb 2022 10:40
55	4	At020404.d	1.	AMB1UG-020422	A201_1UG	4 Feb 2022 11:22
56	5	At020405.d	1.	C2202013-006A 10X	A201_1UG	4 Feb 2022 12:06
57	6	At020406.d	1.	C2202013-007A 10X	A201_1UG	4 Feb 2022 12:49
58	1	At020901.d	1.	BFB1UG	A201_1UG	9 Feb 2022 09:51
59	2	At020902.d	1.	BFB1UG	A201_1UG	9 Feb 2022 10:52
70	3	At020903.d	1.	A1UG_1.0	A201_1UG	9 Feb 2022 13:57
71	4	At020904.d	1.	ALCS1UG-020922	A201_1UG	9 Feb 2022 15:00
72	5	At020905.d	1.	AMB1UG-020922	A201_1UG	9 Feb 2022 15:53
73	6	At020906.d	1.	AMB1UG-020922	A201_1UG	9 Feb 2022 17:08
74	14	At020907.d	1.	C2202018-001A	A201_1UG	9 Feb 2022 17:52
75	15	At020908.d	1.	C2202018-002A	A201_1UG	9 Feb 2022 18:36
76	16	At020909.d	1.	C2202018-003A	A201_1UG	9 Feb 2022 19:20
77	17	At020910.d	1.	C2202018-004A	A201_1UG	9 Feb 2022 20:04
78	18	At020911.d	1.	C2202018-005A	A201_1UG	9 Feb 2022 20:49
79	19	At020912.d	1.	C2202018-006A	A201_1UG	9 Feb 2022 21:33
80	10	At020913.d	1.	C2202018-007A	A201_1UG	9 Feb 2022 22:17
81	11	At020914.d	1.	C2202018-008A	A201_1UG	9 Feb 2022 23:01
82	12	At020915.d	1.	C2202018-009A	A201_1UG	9 Feb 2022 23:46
83	13	At020916.d	1.	C2202015-003A	A201_1UG	10 Feb 2022 00:30
84	11	At020917.d	1.	C2202015-001A	A201_1UG	10 Feb 2022 01:14
85	12	At020918.d	1.	C2202015-002A	A201_1UG	10 Feb 2022 01:58
86	11	At020919.d	1.	C2202015-001A 10X	A201_1UG	10 Feb 2022 02:41
87	12	At020920.d	1.	C2202015-002A 10X	A201_1UG	10 Feb 2022 03:24
88	13	At020921.d	1.	C2202015-001A 40X	A201_1UG	10 Feb 2022 09:07
89	13	At020922.d	1.	C2202015-003A 10X	A201_1UG	10 Feb 2022 09:50
90	17	At020923.d	1.	ALCS1UGD-020922	A201_1UG	10 Feb 2022 10:36
91	1	At021101.d	1.	BFB	A201_1UG	11 Feb 2022 09:37
92	2	At021102.d	1.	BFB	A201_1UG	11 Feb 2022 10:54
93	3	At021103.d	1.	A1UG_1.0	A201_1UG	11 Feb 2022 11:53
94	4	At021104.d	1.	ALCS1UG-021122	A201_1UG	11 Feb 2022 13:36
95	5	At021105.d	1.	AMB1UG-021122	A201_1UG	11 Feb 2022 14:28
96	14	At021106.d	1.	C2202018-001A 5X	A201_1UG	11 Feb 2022 15:25
97	15	At021107.d	1.	C2202018-002A 5X	A201_1UG	11 Feb 2022 16:19
98	16	At021108.d	1.	C2202018-003A 4X	A201_1UG	11 Feb 2022 17:13
99	17	At021109.d	1.	C2202018-004A 10X	A201_1UG	11 Feb 2022 17:56
00	18	At021110.d	1.	C2202018-005A 4X	A201_1UG	11 Feb 2022 18:38
01	19	At021111.d	1.	C2202018-006A 10X	A201_1UG	11 Feb 2022 19:20
02	19	At021112.d	1.	C2202018-006A 40X	A201_1UG	11 Feb 2022 20:03
03	10	At021113.d	1.	C2202018-007A 10X	A201_1UG	11 Feb 2022 20:45
04	11	At021114.d	1.	C2202018-008A 4X	A201_1UG	11 Feb 2022 21:26
05	12	At021115.d	1.	C2202018-009A 4X	A201_1UG	11 Feb 2022 22:08
06	21	At021116.d	1.	C2202021-001A	A201_1UG	11 Feb 2022 22:52
07	22	At021117.d	1.	C2202021-002A	A201_1UG	11 Feb 2022 23:36
08	23	At021118.d	1.	C2202021-003A	A201_1UG	12 Feb 2022 00:21
09	21	At021119.d	1.	C2202021-001A 10X	A201_1UG	12 Feb 2022 01:03
10	22	At021120.d	1.	C2202021-002A 10X	A201_1UG	12 Feb 2022 01:46

GC/MS VOLATILES-WHOLE AIR

METHOD TO-15

STANDARDS LOG

GC/MS Calibration Standards Logbook

Centek Laboratories, LLC

Centek/SanAir Laboratories

Std #	Date Prep	Date Exp	Description	Stock #	Stock Conc	Initial Vol (psig)	Final Vol (psia)	Final Conc (ppb)	Prep by	Chkd by
A-4258	2/19/21	3/1/21	TO15	FORM	A3792	10.3 ppm	0.22	50	M	
A-4259				SILOX	2574/2623	449/500	3.34/3.0			
A-4260				SULF	A3626	1 ppm	1.5			
A-4261				H2S	A2572	10.2 ppm	1.47	500		
A-4262				H2S25	A4261	500 ppm	1.5	25		
A-4263				TO15 IUS IS	A4253	50 ppm	0.9	1		
A-4264				STD	A4254					
A-4265				LCS	A4255					
A-4266	02/25/21	03/25/22	TO15 IS	FF-11174	LINDE	2000 psig	1.0 ppm		LL	
A-4267	3/01/21	3/01/22	TO15 STD	FF-529880	LINDE	2200 psig	1.0 ppm		LL	
A-4268	3/01/21	3/01/22	TO15 LCS	A3621	1 ppm	A-3621	IS NOW	LCS	LL	
A-4269	3/22/21	3/9/21	TO15	IS	A4266	1 ppm	1.5	50	WD	
A-4270			STD	A4267						
A-4271			LCS	A4268						
A-4272			4PCA	A3992	1.025 ppm	1.47	30	50		
A-4273			4PCA	A4272	50 ppm	3.0	30	5		
A-4274			FORM	A3792	10.3 ppm	0.22	45	50		
A-4275			SILOX	A2574	449 ppm	3.34	30	50		
A-4276			SULF	A3626	1 ppm	1.5	30	50		
A-4277			H2S	A2572	10.2 ppm	1.47	30	500		
A-4278			H2S25	A4277	500 ppm	1.5	30	25		

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Std #	Date Prep	Date Exp	Description	Stock #	Stock Conc	Initial Vol (psig)	Final Vol (psia)	Final Conc (ppb)	Prep by	Chkd by
A-4804	1/25/02	2/1/02	TO15	A4267	1 ppm	1.5	30	50	WSD	
A-4805			LCS	A4268	↓	↓	↓	↓		
A-4806			4PC4	A3992	1.025 ppm	1.47	30	50		
A-4807			4PC4S	A4806	50 ppb	3.0	30	5		
A-4808			FORM	A3792	10.3 ppm	0.22	45	50		
A-4809			SILUX	A2574 A2623	449 ppb 500 ppb	3.34 3.0	30	50		
A-4810			SOLF	A3626	1 ppm	1.5	30	50		
A-4811			H2S	A2572	10.3 ppm	1.47	30	500		
A-4812			H2S	A4811	500 ppb	3.0	30	50		
A-4813			TO15	A4803	50 ppb	0.9	45	1		
A-4814			STD	A4804	↓	↓	↓	↓		
A-4815			LCS	A4805	↓	↓	↓	↓		
A-4816	2/1/02	2/18/02	TO15	A4266	1 ppm	1.5	30	50	WSD	
A-4817			STD	A4267	↓	↓	↓	↓		
A-4818			LCS	A4268	↓	↓	↓	↓		
A-4819			4PC4	A3992	1.025 ppm	1.47	30	50		
A-4820			4PC4S	A4819	50 ppb	3.0	30	5		
A-4821			FORM	A3792	10.3 ppm	0.22	45	50		
A-4822			SILUX	A2574 A2623	449 ppb 500 ppb	3.34 3.0	30	50		
A-4823			SOLF	A3626	1 ppm	1.5	30	50		
A-4824			H2S	A2572	10.3 ppm	1.47	30	500		

Centek Laboratories, LLC

GC/MS Calibration Standards Logbook

Std #	Date Prep	Date Exp	Description	Stock #	Stock Conc	Initial Vol (psig)	Final Vol (psia)	Final Conc (ppb)	Prep by	Chkd by
A-4835	2/1/22	2/8/22	TO15 H2S50	A4834	500 ppb	3.0	30	50	WD	
A-4836			TO15 H2S50	A4816	50 ppb	0.9	45	1		
A-4837			STD	A4817						
A-4838			LC5	A4818						
A-4839	2/8/22	2/15/22	TO15	A4846	1 ppm	1.5	30	50	WD	
A-4830			STD	A4847						
A-4831			LC5	A4848						
A-4832			4Pct	A3992	1.025 ppm	1.47	30	50		
A-4833			4PCHS	A4832	50 ppb	3.0	30	5		
A-4834			FORM	A3792	10.3 ppm	0.22	45	50		
A-4835			SIUX	A2574	449 ppb	3.34	30	50		
A-4836			SIUX	A2573	500 ppb	3.0	30	50		
A-4837			SIUX	A3626	1 ppm	1.5	30	50		
A-4838			H2S	A4252	10.2 ppm	1.47	30	500		
A-4839			TO15 H2S	A4837	500 ppb	3.0	30	50		
A-4840			TO15 H2S	A4829	50 ppb	0.9	45	1		
A-4841			STD	A4830						
A-4842			LC5	A4831						
A-										
A-										
A-										
A-										

GC/MS VOLATILES-WHOLE AIR

METHOD TO-15

CANISTER CLEANING LOG

QC Canister Cleaning Logbook

Centek Laboratories, LLC

Instrument: Entech 3100

Canister Number	Canister Size	QC Can Number	# of Cycles	Date Cleaned	QC Batch Number	Detection Limits	Leak Test 24hr (psig/date)
367	1L	564	20	12/6/21	WAC1209121 A	1g + 0.2	30+ 1+ 30
128		↓					30+ 1+
170							30+ 1+
1189							30+ 1+
564		↓					30+ 1+
171		133			B		30+ 1+
353		↓					30+ 1+
539		↓					30+ 1+
1545		↓					30+ 1+
133		↓					30+ 1+
325		1185			C		30+ 1+
188		↓					30+ 1+
1195		↓					30+ 1+
567		↓					30+ 1+
1185		↓					30+ 1+
284		467			D		30+ 1+
201		↓					30+ 1+
288		↓					30+ 1+
1182		↓					30+ 1+
467		↓					30+ 1+
106		1316			E		30+ 1+
129		↓					30+ 1+
327		↓					30+ 1+
1192		↓					30+ 1+
1316		↓					30+ 1+

Form C151

Page #

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Centek Laboratories, LLC

Instrument: Entech 3100

QC Canister Cleaning Logbook

Canister Number	Canister Size	QC Can Number	# of Cycles	Date Cleaned	QC Batch Number	Detection Limits	Leak Test 24hr (psig/date)
459	1L	563	20	12/6/21	WAC-20921F	1.0 + 0.20	30+ 1+ 30
102							
207							
1187							
563							
159		85					
479							
1176							
1179							
85							
1318		137					
136							
365							
359							
137							
545		189					
275							
1193							
226							
189							
243		568		12/7/21			
1184							
1174							
422							
568							

Centek Laboratories, LLC

Instrument: Entech 3100

QC Canister Cleaning Logbook

Canister Number	Canister Size	QC Can Number	# of Cycles	Date Cleaned	QC Batch Number	Detection Limits	Leak Test 24hr (psig/date)
318	1L	542	20	12/7/21	WAC120921 K	1870.20	30+ 1+ 30
1289							
285							
1450							
542							
96							
324							
93							
368							
553							
1191							
286							
87							
240							
317							
465							
1173							
191							
98							
233							
88							
242							
200							
1186							
195							

Data File : C:\HPCHEM\1\DATA2\2021DATA\2021DEC\AS120910.D Vial: 6
Acq On : 9 Dec 2021 4:49 pm Operator: RJP
Sample : WAC120921F Inst : MSD #1
Misc : AN02_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 14 10:02:36 2021 Quant Results File: AN02_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\AN02_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed Dec 08 09:05:20 2021
Response via : Initial Calibration
DataAcq Meth : 1UG_ENT

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	9.81	128	33714	1.00	ppb	-0.02
35) 1,4-difluorobenzene	12.11	114	106210	1.00	ppb	-0.02
50) Chlorobenzene-d5	16.92	117	104336m	1.00	ppb	-0.01

System Monitoring Compounds

65) Bromofluorobenzene	18.72	95	56926m	0.74	ppb	0.04
Spiked Amount	1.000	Range	70 - 130	Recovery	=	74.00%

Target Compounds

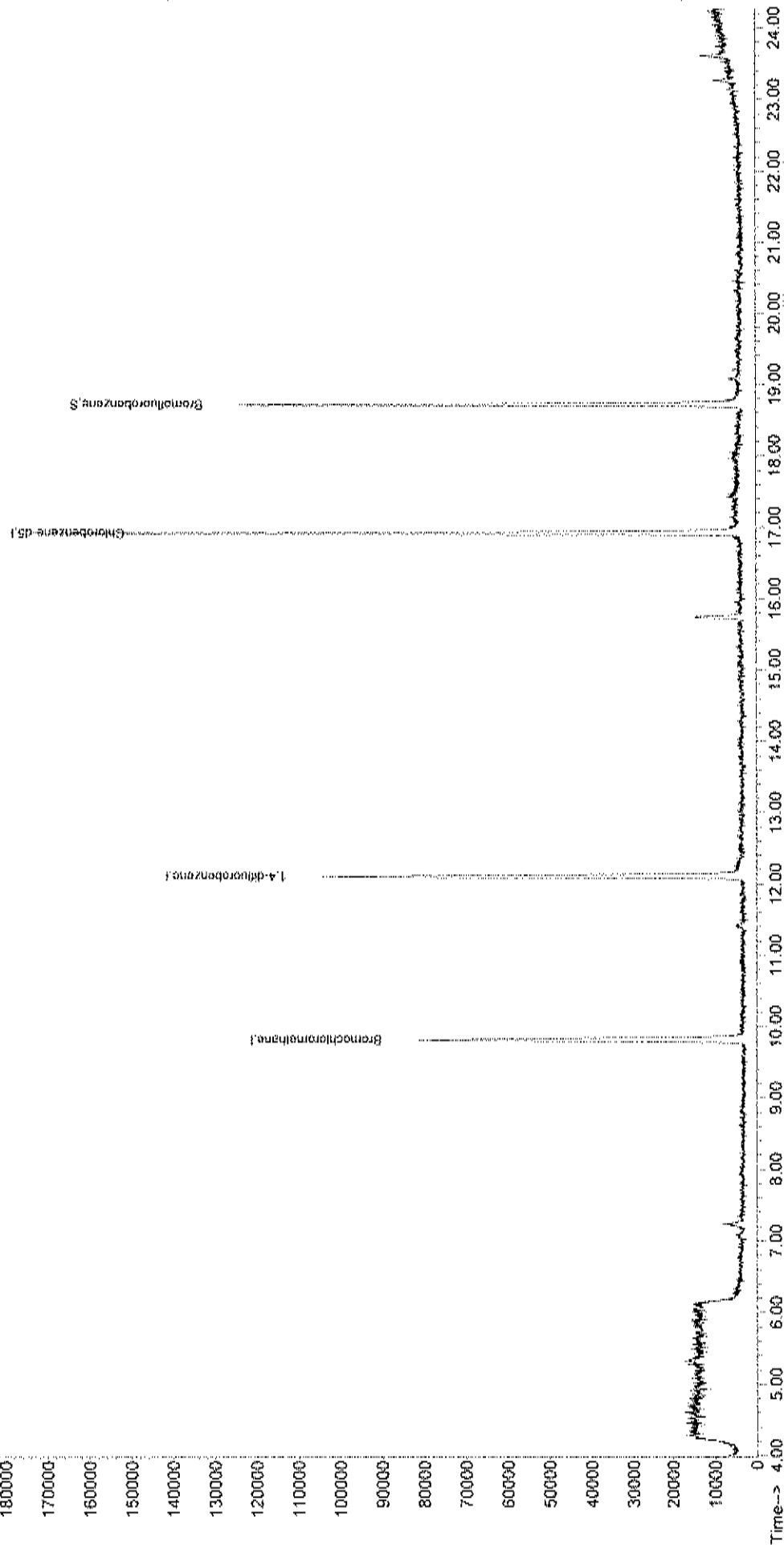
Qvalue

Data File : C:\HPCHEM\1\DATA2\2021DATA\AS120910.D Vial: 6
 Acq On : 9 Dec 2021 4:49 pm Operator: RJP
 Sample : WAC120921F Inst : MSD #1
 Misc : AN02_1UG Multiplr: 1.00
 MS Integration Params: RTEINT.P
 Quant Time: Dec 17 8:31 2021 Quant Results File: AN02_1UG.RES

Method : C:\HPCHEM\1\METHODS\A110_1UG.M (RTE Integrator)
 Title : TO-15 VOA Standards for 5 point calibration
 Last Update : Tue Jan 11 06:13:04 2022
 Response via : Initial Calibration

Abundance
 200000
 190000
 180000
 170000
 160000
 150000
 140000
 130000
 120000
 110000
 100000
 90000
 80000
 70000
 60000
 50000
 40000
 30000
 20000
 10000
 0

TIC: AS120910.D



Data File : C:\HPCHEM\1\DATA2\2021DATA\2021DEC\AS120911.D Vial: 7
Acq On : 9 Dec 2021 5:31 pm Operator: RJP
Sample : WAC120921G Inst : MSD #1
Misc : AN02_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 14 10:02:46 2021 Quant Results File: AN02_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\AN02_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed Dec 08 09:05:20 2021
Response via : Initial Calibration
DataAcq Meth : 1UG_ENT

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	9.82	128	33462	1.00	ppb	-0.02
35) 1,4-difluorobenzene	12.11	114	103034	1.00	ppb	-0.03
50) Chlorobenzene-d5	16.92	117	110755m	1.00	ppb	-0.02

System Monitoring Compounds

65) Bromofluorobenzene	18.72	95	56785m	0.69	ppb	0.04
Spiked Amount	1.000	Range	70 - 130	Recovery	=	69.00%#

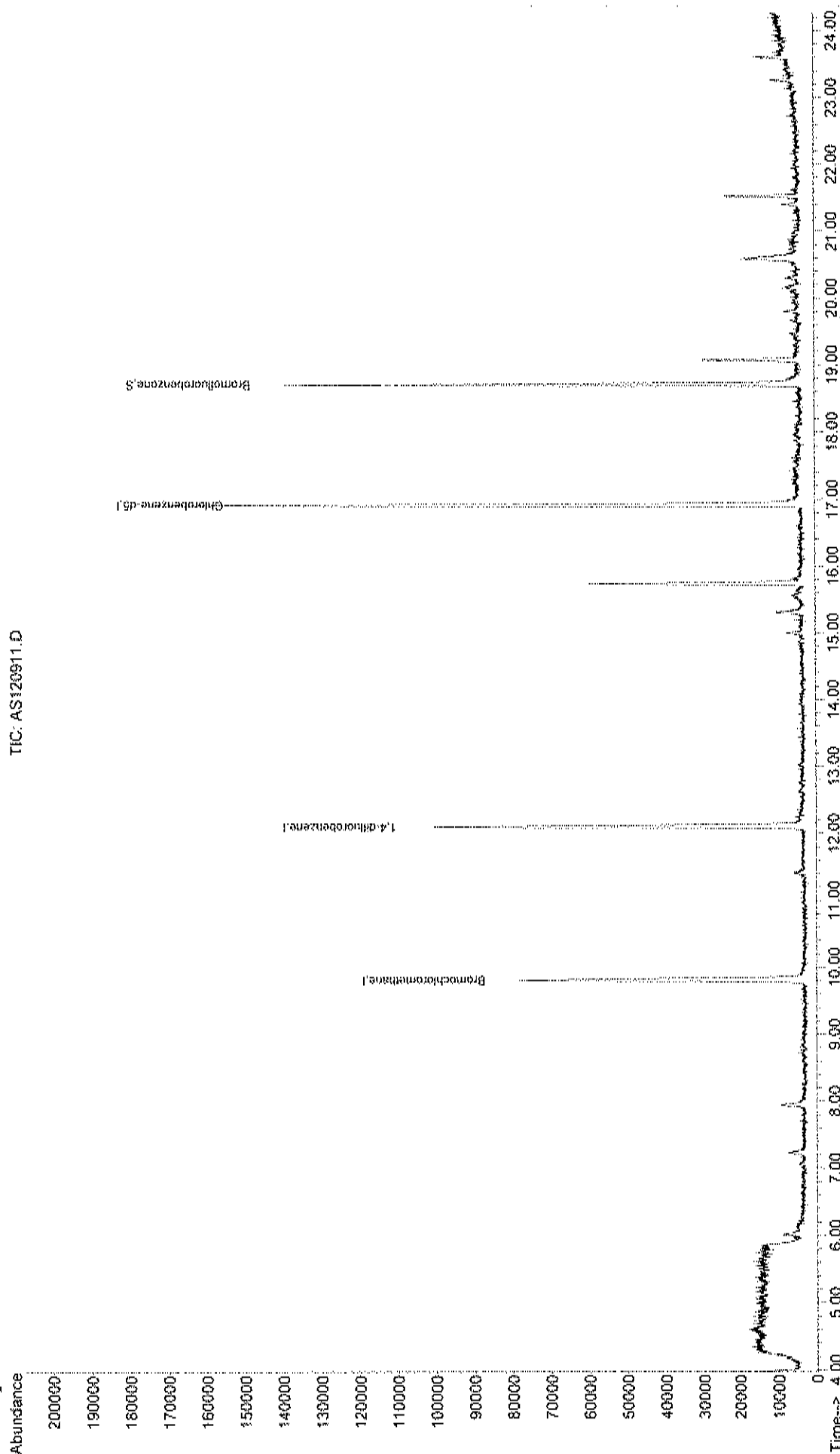
Target Compounds

Qvalue

Data File : C:\HPCHEM\1\DATA2\2021DATA\AS120911.D Vial: 7
Acq On : 9 Dec 2021 5:31 pm Operator: RJP
Sample : WAC120921G Inst : MSD #1
Misc : AN02_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 17 8:32 2021 Quant Results File: AN02_1UG.RES

Method : C:\HPCHEM\1\METHODS\A110_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Tue Jan 11 06:13:04 2022
Response via : Initial Calibration

TIC: AS120911.D



MSD1

Fri Feb 25 08:57:29 2022

AS120911.D A110_1UG.M

Data File : C:\HPCHEM\1\DATA2\2021DATA\2021DEC\AS120912.D Vial: 8
 Acq On : 9 Dec 2021 6:13 pm Operator: RJP
 Sample : WAC120921H Inst : MSD #1
 Misc : AN02_1UG Multiplr: 1.00
 MS Integration Params: RTEINT.P
 Quant Time: Dec 14 10:02:57 2021 Quant Results File: AN02_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\AN02_1UG.M (RTE Integrator)
 Title : TO-15 VOA Standards for 5 point calibration
 Last Update : Wed Dec 08 09:05:20 2021
 Response via : Initial Calibration
 DataAcq Meth : 1UG_ENT

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	9.82	128	33353	1.00	ppb	-0.02
35) 1,4-difluorobenzene	12.11	114	102487	1.00	ppb	-0.02
50) Chlorobenzene-d5	16.92	117	120345	1.00	ppb	-0.02

System Monitoring Compounds

65) Bromofluorobenzene	18.72	95	75569	0.85	ppb	0.04
Spiked Amount	1.000	Range	70 - 130	Recovery	=	85.00%

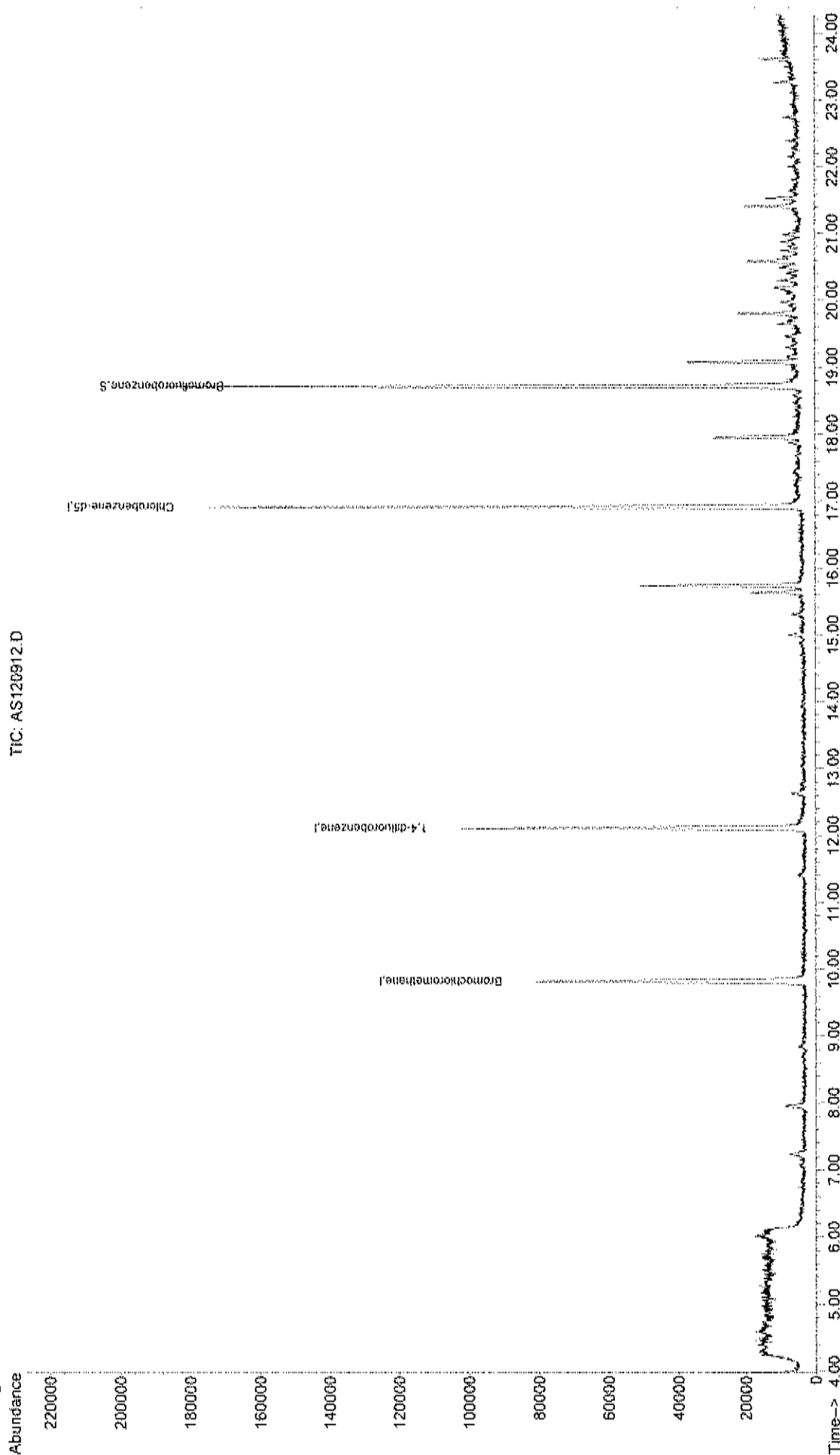
Target Compounds

Qvalue

Data File : C:\HPCHEM\1\DATA2\2021DATA\AS120912.D Vial: 8
Acq On : 9 Dec 2021 6:13 pm Operator: RJP
Sample : WAC120921H Inst : MSD #1
Misc : AN02_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 17 8:32 2021 Quant Results File: AN02_1UG.RES

Method : C:\HPCHEM\1\METHODS\All0_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Tue Jan 11 06:13:04 2022
Response via : Initial Calibration

TIC: AS120912.D



Data File : C:\HPCHEM\1\DATA2\2021DATA\2021DEC\AS120913.D Vial: 9
Acq On : 9 Dec 2021 6:55 pm Operator: RJP
Sample : WAC120921I Inst : MSD #1
Misc : AN02_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 14 10:03:15 2021 Quant Results File: AN02_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\AN02_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed Dec 08 09:05:20 2021
Response via : Initial Calibration
DataAcq Meth : 1UG_ENT

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	9.82	128	32680	1.00	ppb	-0.02
35) 1,4-difluorobenzene	12.11	114	103440	1.00	ppb	-0.02
50) Chlorobenzene-d5	16.92	117	118584	1.00	ppb	-0.01

System Monitoring Compounds

65) Bromofluorobenzene	18.71	95	74148	0.84	ppb	0.03
Spiked Amount	1.000	Range	70 - 130	Recovery	=	84.00%

Target Compounds

Qvalue

Data File : C:\HPCHEM\1\DATA2\2021DATA\2021DEC\AS120913.D Vial: 9
 Acq On : 9 Dec 2021 6:55 pm
 Sample : WAC120921I
 Misc : AN02_1UG
 Operator: RJP
 Inst : MSD #1
 Multiplr: 1.00

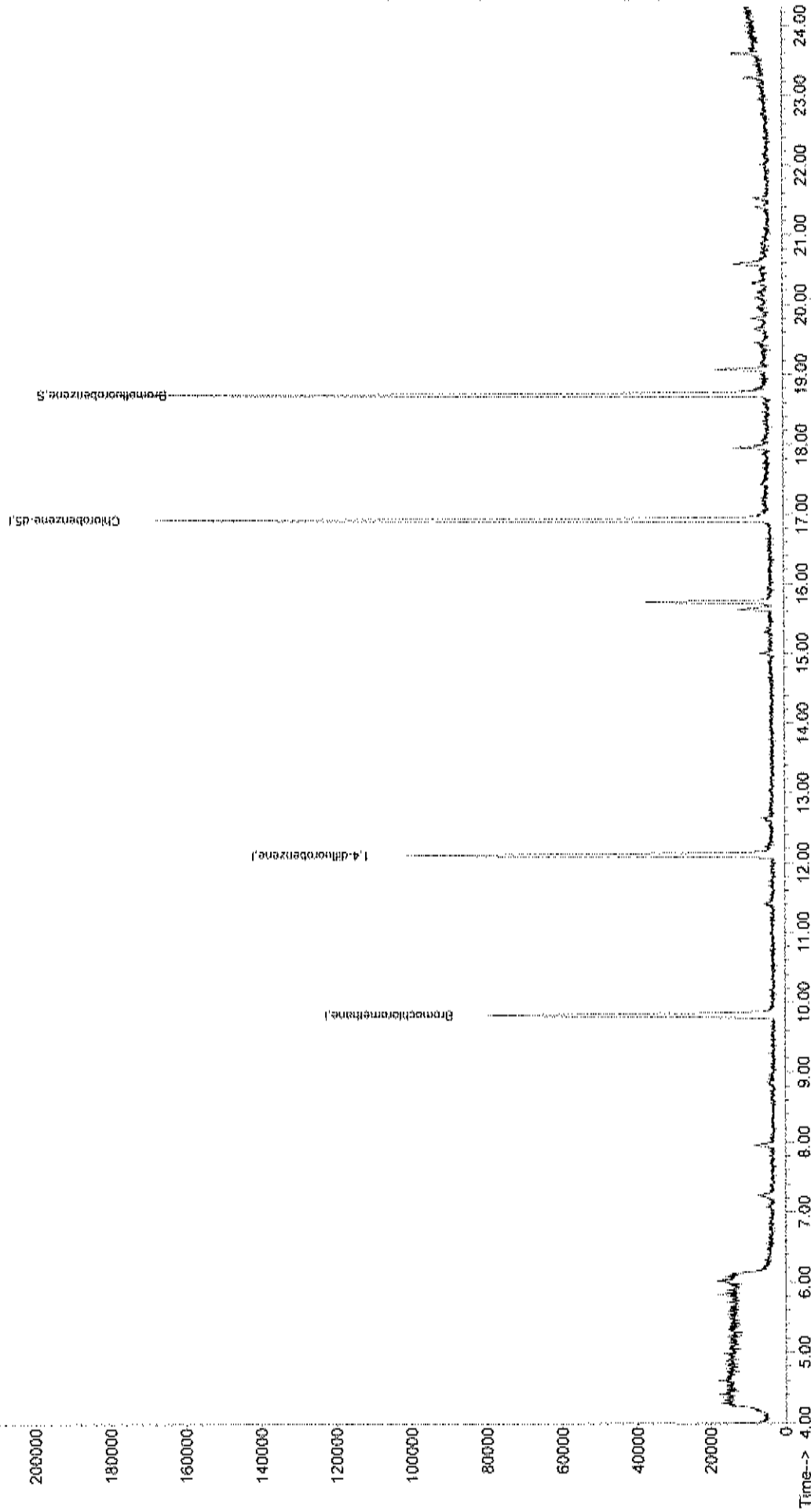
MS Integration Params: RTEINT.P

Quant Time: Dec 14 10:03 2021 Quant Results File: AN02_1UG.RES

Method : C:\HPCHEM\1\METHODS\AL10_1UG.M (RTE Integration)
 Title : TO-15 VOA Standards for 5 point calibration
 Last Update : Tue Jan 11 06:13:04 2022
 Response via : Initial Calibration

Abundance
 220000
 200000
 180000
 160000
 140000
 120000
 100000
 80000
 60000
 40000
 20000
 0

TIC: AS120913.D



Data File : C:\HPCHEM\1\DATA2\2021DATA\2021DEC\AS120914.D Vial: 10
Acq On : 9 Dec 2021 7:38 pm Operator: RJP
Sample : WAC120921J Inst : MSD #1
Misc : AN02_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 14 10:03:24 2021 Quant Results File: AN02_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\AN02_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed Dec 08 09:05:20 2021
Response via : Initial Calibration
DataAcq Meth : 1UG_ENT

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	9.81	128	32735	1.00	ppb	-0.02
35) 1,4-difluorobenzene	12.11	114	103903	1.00	ppb	-0.03
50) Chlorobenzene-d5	16.92	117	116900	1.00	ppb	-0.02

System Monitoring Compounds

65) Bromofluorobenzene	18.71	95	72277	0.83	ppb	0.03
Spiked Amount	1.000	Range	70 - 130	Recovery	=	83.00%

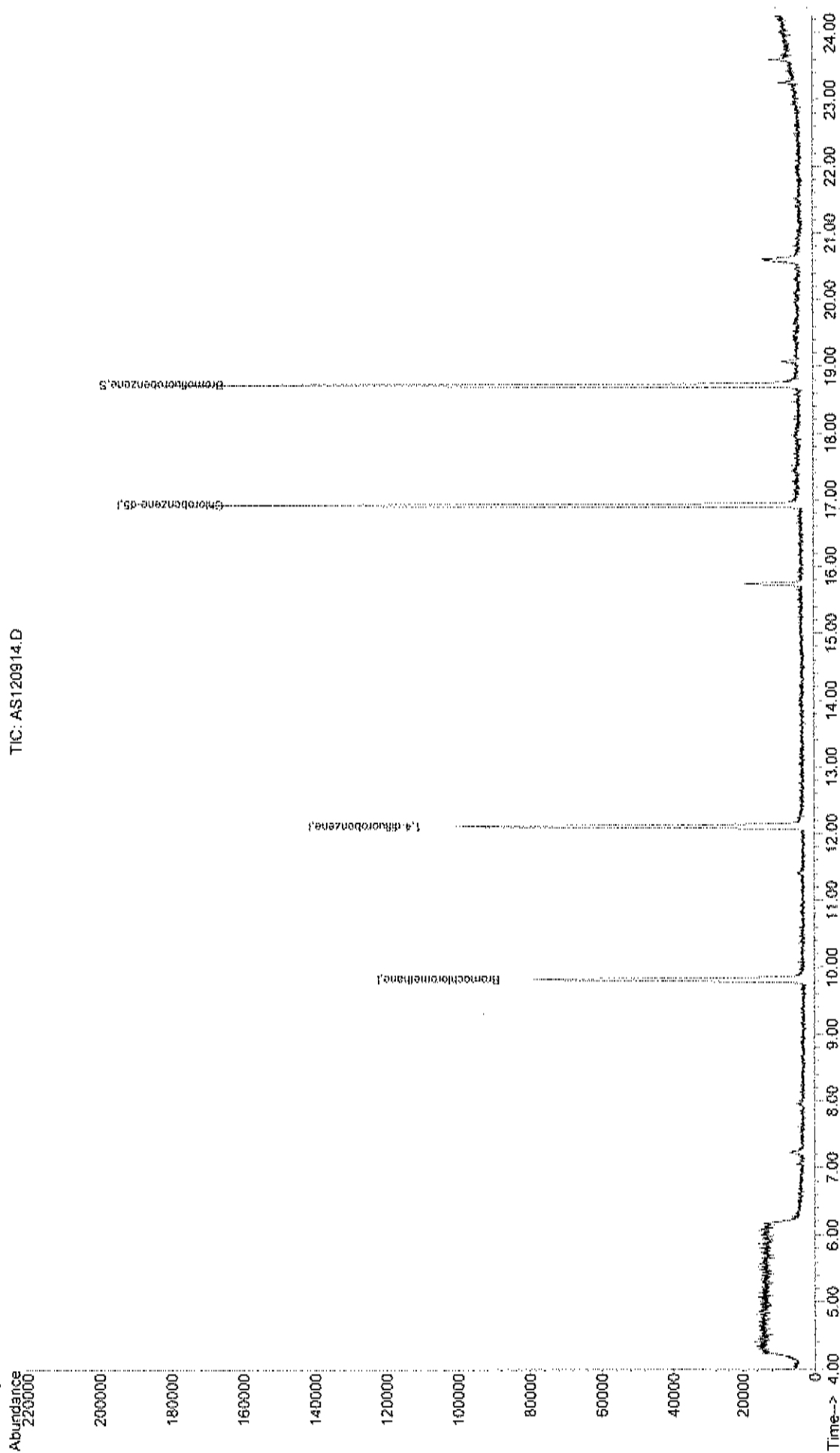
Target Compounds

Qvalue

Data File : C:\HPCHEM\1\DATA2\2021DATA\AS120914.D Vial: 10
Acq On : 9 Dec 2021 7:38 pm
Sample : WAC120921J
Misc : AN02_1UG
MS Integration Params: RTEINT.P
Quant Time: Dec 14 10:03 2021
Quant Results File: AN02_1UG.RES

Method : C:\HPCHEM\1\METHODS\A110_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Tue Jan 11 06:13:04 2022
Response via : Initial Calibration

TIC: AS120914.D



MSD1

Fri Feb 25 08:57:38 2022

AS120914.D A110_1UG.M

Data File : C:\HPCHEM\1\DATA2\2021DATA\2021DEC\AS120915.D Vial: 11
Acq On : 9 Dec 2021 8:20 pm Operator: RJP
Sample : WAC120921K Inst : MSD #1
Misc : AN02_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 14 10:03:34 2021 Quant Results File: AN02_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\AN02_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed Dec 08 09:05:20 2021
Response via : Initial Calibration
DataAcq Meth : 1UG_ENT

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	9.81	128	32139	1.00	ppb	-0.02
35) 1,4-difluorobenzene	12.11	114	96252	1.00	ppb	-0.02
50) Chlorobenzene-d5	16.92	117	113389	1.00	ppb	-0.01

System Monitoring Compounds

65) Bromofluorobenzene	18.71	95	69073	0.82	ppb	0.03
Spiked Amount	1.000	Range	70 - 130	Recovery	=	82.00%

Target Compounds

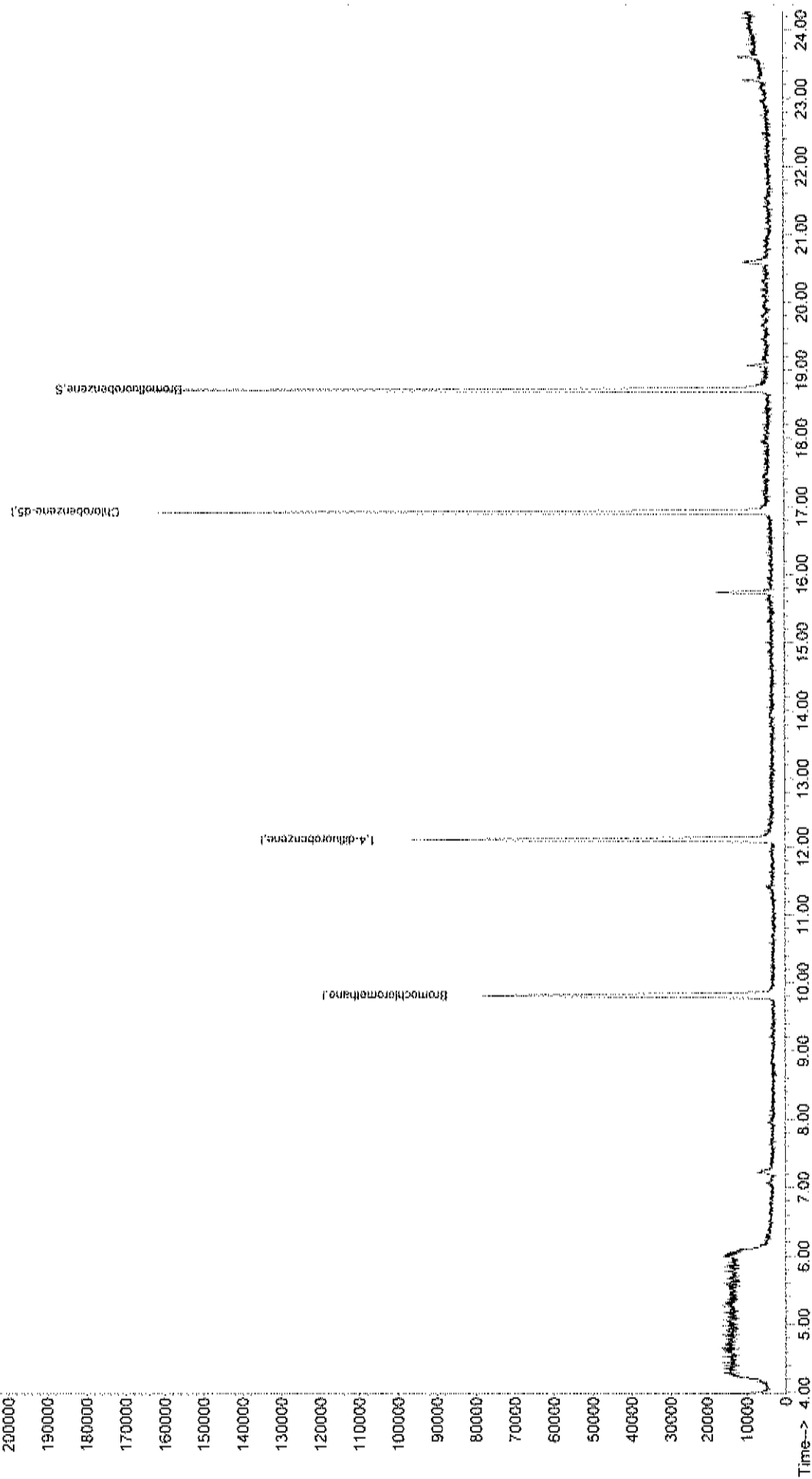
Qvalue

Data File : C:\HPCHEM\1\DATA2\2021DATA\AS120915.D Vial: 11
Acq On : 9 Dec 2021 8:20 pm
Sample : WAC120921K
Misc : AN02_1UG
MS Integration Params: RTEINT.P
Quant Time: Dec 17 8:32 2021
Quant Results File: AN02_1UG.RES

Method : C:\HPCHEM\1\METHODS\A110_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Tue Jan 11 06:13:04 2022
Response via : Initial Calibration

Abundance

TIC: AS120915.D



Data File : C:\HPCHEM\1\DATA2\2021DATA\2021DEC\AS120916.D Vial: 12
Acq On : 9 Dec 2021 9:02 pm Operator: RJP
Sample : WAC120921L Inst : MSD #1
Misc : AN02_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 14 10:03:45 2021 Quant Results File: AN02_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\AN02_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed Dec 08 09:05:20 2021
Response via : Initial Calibration
DataAcq Meth : 1UG_ENT

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	9.81	128	32098	1.00	ppb	-0.02
35) 1,4-difluorobenzene	12.11	114	97837	1.00	ppb	-0.02
50) Chlorobenzene-d5	16.92	117	112871	1.00	ppb	-0.02

System Monitoring Compounds

65) Bromofluorobenzene	18.71	95	67076	0.80	ppb	0.03
Spiked Amount	1.000	Range	70 - 130	Recovery	=	80.00%

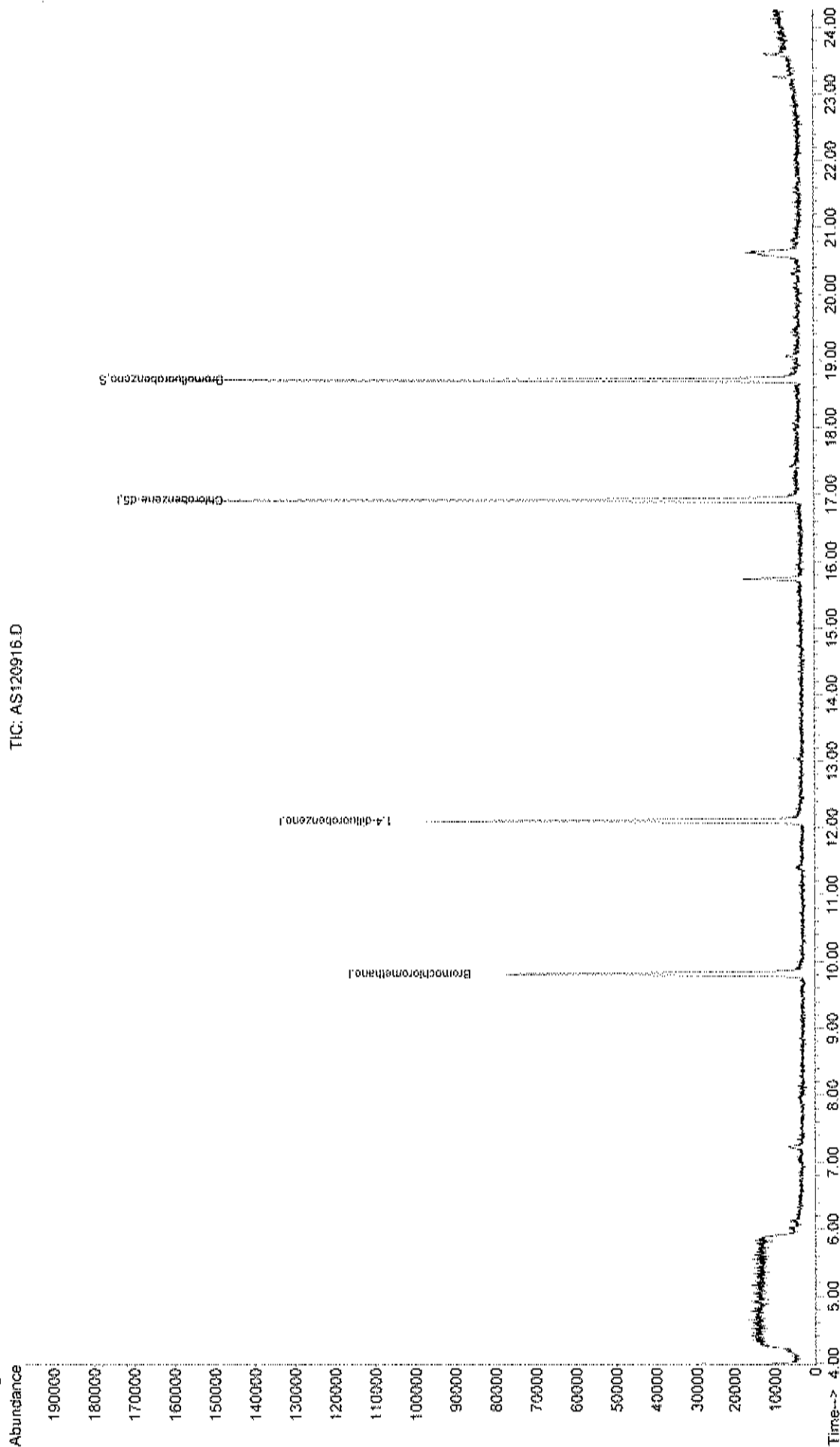
Target Compounds

Qvalue

Data File : C:\HPCHEM\1\DATA2\2021DATA\AS120916.D Vial: 12
Acq On : 9 Dec 2021 9:02 pm
Sample : WAC120921L
Misc : AN02_1UG
MS Integration Params: RTEINT.P
Quant Time: Dec 14 10:03 2021
Quant Results File: AN02_1UG.RES

Method : C:\HPCHEM\1\METHODS\A110_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Tue Jan 11 06:13:04 2022
Response via : Initial Calibration

TIC: AS120916.D



MSD1

Fri Feb 25 08:57:44 2022

AS120916.D A110_1UG.M

Page 2

Data File : C:\HPCHEM\1\DATA2\2021DATA\2021DEC\AS120917.D Vial: 13
Acq On : 9 Dec 2021 9:44 pm Operator: RJP
Sample : WAC120921M Inst : MSD #1
Misc : AN02_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 14 10:06:51 2021 Quant Results File: AN02_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\AN02_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed Dec 08 09:05:20 2021
Response via : Initial Calibration
DataAcq Meth : 1UG_ENT

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	9.82	128	32459	1.00	ppb	-0.01
35) 1,4-difluorobenzene	12.11	114	97693	1.00	ppb	-0.03
50) Chlorobenzene-d5	16.92	117	113401	1.00	ppb	-0.02

System Monitoring Compounds

65) Bromofluorobenzene	18.71	95	70192	0.83	ppb	0.03
Spiked Amount	1.000	Range	70 - 130	Recovery	=	83.00%

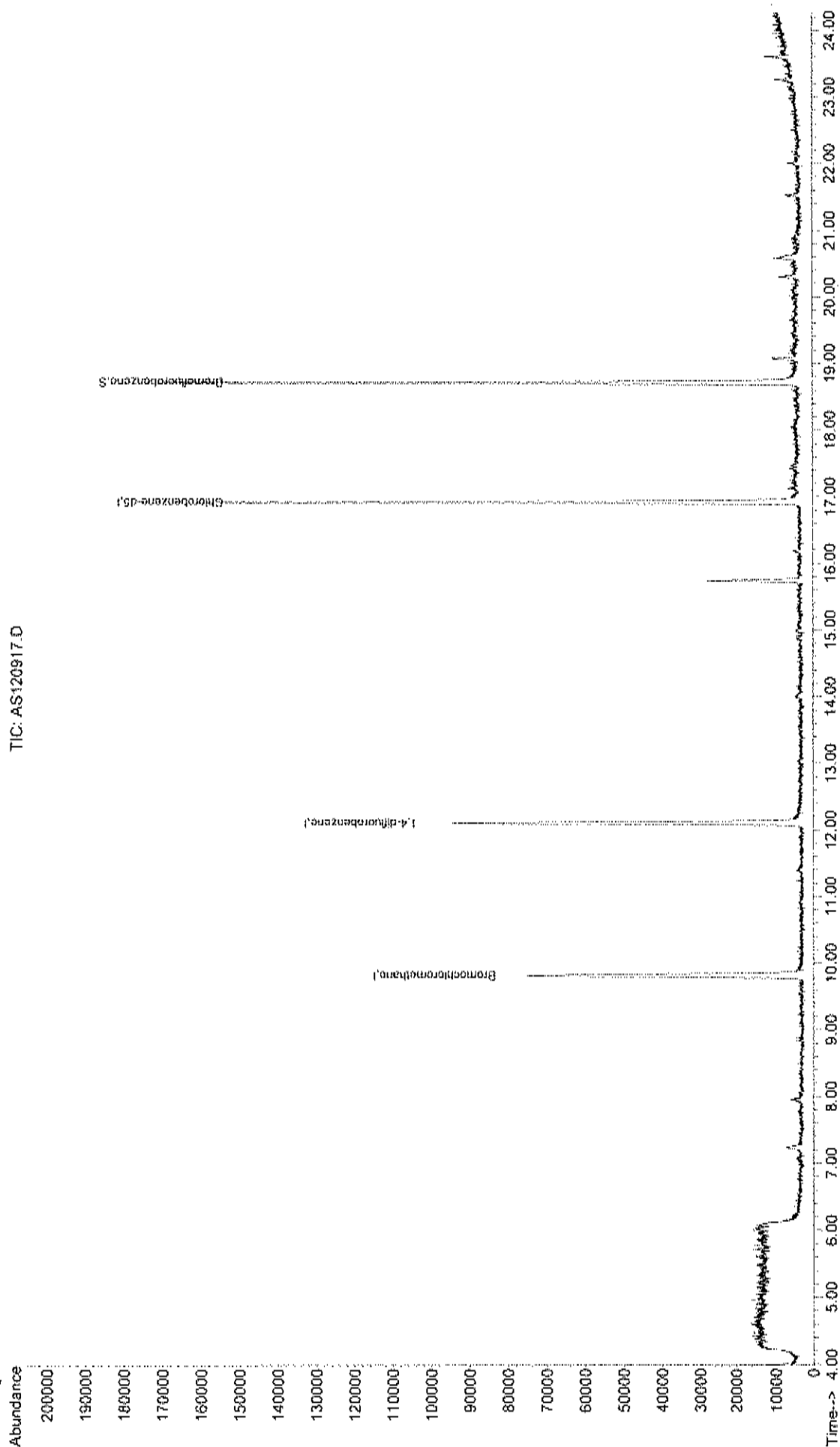
Target Compounds

Qvalue

Data File : C:\HPCHEM\1\DATA2\2021DATA\AS120917.D Vial: 13
 Acq On : 9 Dec 2021 9:44 pm
 Sample : WAC120921M
 Misc : AN02_1UG
 MS Integration Params: RTEINT.P
 Quant Time: Dec 14 10:06 2021
 Quant Results File: AN02_1UG.RES

Method : C:\HPCHEM\1\METHODS\A110_1UG.M (RTE Integrator)
 Title : TO-15 VOA Standards for 5 point calibration
 Last Update : Tue Jan 11 06:13:04 2022
 Response via : Initial Calibration

TIC: AS120917.D



MSD1

Data File : C:\HPCHEM\1\DATA2\2021DATA\2021DEC\AS120918.D Vial: 14
Acq On : 9 Dec 2021 10:27 pm Operator: RJP
Sample : WAC120921N Inst : MSD #1
Misc : AN02_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 14 10:07:00 2021 Quant Results File: AN02_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\AN02_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed Dec 08 09:05:20 2021
Response via : Initial Calibration
DataAcq Meth : 1UG_ENT

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	9.81	128	32563	1.00	ppb	-0.02
35) 1,4-difluorobenzene	12.11	114	98395	1.00	ppb	-0.02
50) Chlorobenzene-d5	16.91	117	112452	1.00	ppb	-0.02

System Monitoring Compounds

65) Bromofluorobenzene	18.71	95	69316	0.83	ppb	0.03
Spiked Amount	1.000	Range	70 - 130	Recovery	=	83.00%

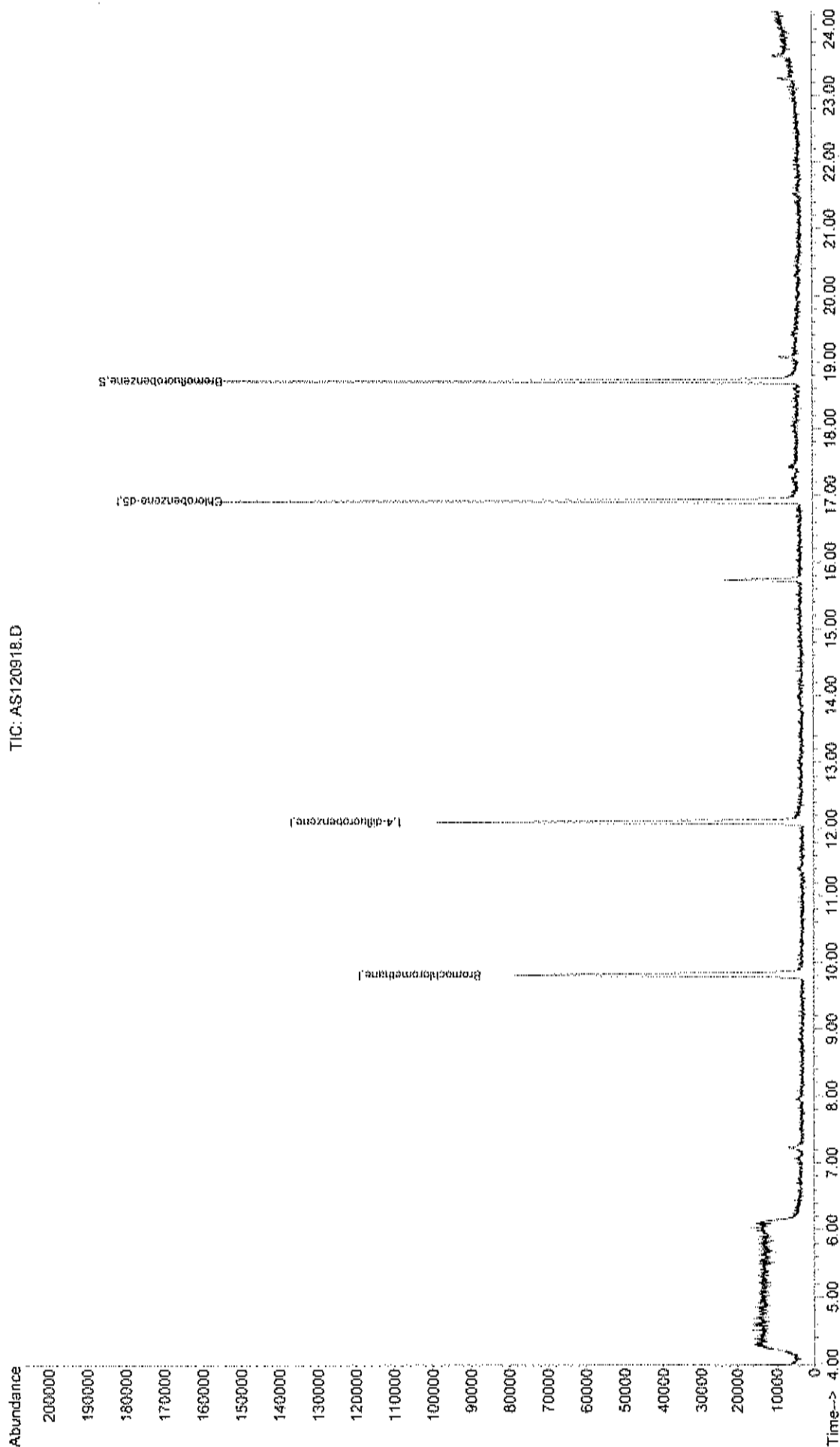
Target Compounds

Qvalue

Data File : C:\HPCHEM\1\DATA2\2021DATA\AS120918.D Vial: 14
Acq On : 9 Dec 2021 10:27 pm
Sample : WAC120921N
Misc : AN02_1UG
MS Integration Params: RTEINT.P
Quant Time: Dec 14 10:07 2021
Quant Results File: AN02_1UG.RES

Method : C:\HPCHEM\1\METHODS\A110_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Tue Jan 11 06:13:04 2022
Response via : Initial Calibration

TIC: AS120918.D



Data File : C:\HPCHEM\1\DATA2\2021DATA\2021DEC\AS120919.D Vial: 15
Acq On : 9 Dec 2021 11:09 pm Operator: RJP
Sample : WAC1209210 Inst : MSD #1
Misc : AN02_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 14 10:07:08 2021 Quant Results File: AN02_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\AN02_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed Dec 08 09:05:20 2021
Response via : Initial Calibration
DataAcq Meth : 1UG ENT

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	9.81	128	31891	1.00	ppb	-0.02
35) 1,4-difluorobenzene	12.11	114	93943	1.00	ppb	-0.03
50) Chlorobenzene-d5	16.92	117	108851	1.00	ppb	-0.02

System Monitoring Compounds

65) Bromofluorobenzene	18.71	95	63316	0.78	ppb	0.03
Spiked Amount	1.000	Range	70 - 130	Recovery	=	78.00%

Target Compounds

Qvalue

Data File : C:\HPCHEM\1\DATA2\2021DATA\AS120919.D Vial: 15
Acq On : 9 Dec 2021 11:09 pm
Sample : WAC1209210
Misc : AN02_1UG
MS Integration Params: RTEINT.P
Quant Time: Dec 14 10:07 2021
Quant Results File: AN02_1UG.RES

Method : C:\HPCHEM\1\METHODS\A110_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Tue Jan 11 06:13:04 2022
Response via : Initial Calibration

TIC: AS120919.D

