NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Region 8
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September 28, 2021

Mr. Dan Noll
Labella Associates, D.P.C.
300 State Street, Suite 201
Rochester, New York 14614

Re: Post-Mitigation SSDS Installation Air Sampling Results
Tool Room Expansion
Eldre Corporation
Site No.: C828182
Henrietta (T), Monroe (C)

Dear Mr. Noll:

The New York State Department of Environmental Conservation (Department) and New York State Department of Health (NYSDOH) (collectively known as the State) have completed a review of the Post-Mitigation SSDS Installation Air Sampling Results – Tool Room Expansion Report (Report) dated July 19, 2021, for the Eldre Corporation site (Site) located at 1500 Jefferson Road and 55 Hofstra Road, Town of Henrietta, New York. Based on the information presented in the Report, the Report is conditionally approved with the following modifications and clarifications.

1. The State acknowledges that there has been a reduction in the TCE concentrations detected within the Tool Room. The latest sampling event indicates TCE concentrations at 2.4 ug/m3 which still above the NYSDOH's Air Guidance Value of 2 ug/m3. The State is requesting that additional indoor air sampling is completed during the heating season to confirm the TCE concentrations in the indoor air continue to decrease and indoor air levels reach typical background concentrations (below 2 ug/m3). The State is requesting that the next sampling event is completed during the 2021/2022 heating season. This additional indoor air sampling can be completed during the site management phase of the project provided that the Site achieves the issuance of the Certificate of Completion (COC) on or before March 31, 2022. If the COC is issued on or before March 31, 2022 then the procedures/protocols associated with the additional 2021/2022 indoor air sampling as well as any future indoor air sampling events will be presented in the Site's Site Management Plan (SMP).

   If the COC is not issued on or before March 31, 2022, then the indoor sampling event will be completed before the end of the 2021/2022 heating season. The 2021/2022 indoor sampling event will be completed consistent with approved work plans and previous indoor air sampling events.

2. The attached employee fact sheet will be posted in the employee common area(s) to inform the employees of the results from the completed indoor air and sub-slab sampling events, future indoor air sampling events, and the installation of three (3) sub-slab depressurization systems in the on-site building.

Within fifteen (15) days of the date of this letter, the Applicant must elect in writing (electronic notification is acceptable) one of the following options:

- Option A: Accept the modified report;
- Option B: Invoke dispute resolution as set forth in 6 NYCRR Part 35-1.5(b)(2); or
- Option C: Terminate the Brownfield Cleanup Agreement in accordance with 6 NYCRR Part 375-3.5.

If Option A is chosen, then a copy of the accepted Post-Mitigation SSDS Installation Air Sampling Results – Tool Room Expansion Report along with this letter attached must be placed in the document repository within 1 week of the date of this letter. Please provide notification to the Department that the approved and complete Post-Mitigation SSDS Installation Air Sampling Results – Tool Room Expansion Report has been placed in the document repository as well as the employee fact sheet has been posted (electronic notification along with photographs are acceptable).

The State seeks to resolve the outstanding differences in a mutually agreeable manner, which addresses the requirements of the Brownfield Cleanup Agreement and associated work plans. If you have any technical questions, concerns, or need further assistance with the Site, please feel free to contact me at 585-226-5354 or via e-mail at charlotte.theobald@dec.ny.gov. If you have any legal questions or concerns, please contact Ms. Lisa Perla Schwartz at 585-226-5363 or via e-mail at lisa.schwartz@dec.ny.gov .

Sincerely,

Charlotte B. Theobald
Assistant Engineer

ec:
Harvey Erdle (Eldre Corporation)
Sarah Lobe (Nixon Peabody LLP)
Scott H. Reisch (Hogan Lovells LLP)
Charles Rine (Groundwater Sciences)
Alex Kralles (MERSEN USA)
Ann Barber (Labella)
Justin Deming (NYSDOH)
Julia Kenney (NYSDOH)
Mirza Begovic (MCHD)
Lisa Schwartz (NYSDEC)
David Pratt (NYSDEC)
Todd Caffoe (NYSDEC)

FACT SHEET
BROWNFIELD CLEANUP PROGRAM

SOIL VAPOR AND INDOOR AIR SAMPLING

The cleanup and activities have been performed by the former shareholders of Eldre Corporation ("Applicant") and Mersen USA Rochester-NY, Corp. (“Co-Applicant”) with oversight provided by the New York State Department of Environmental Conservation and the New York State Department of Health.

Documents related to the cleanup of this site can be found at the location(s) identified below under "Where to Find Information."

Highlights of the Soil Vapor Sampling Activities

An Interim Remedial Measure (IRM) was completed at the Site. Three (3) sub-slab depressurization systems (East, West, and South) were installed within the on-site building. A sub-slab depressurization system is just like a radon system used in homes. The East System and West System were installed in 2018. After the sub-slab depressurization systems were installed, soil vapor intrusion sampling was conducted during the heating season on April 2, 2019, to confirm the effectiveness of the East and West SSDS. A heating season is defined as November 1st to about April 1st. The analytical results indicated higher concentrations of chlorinated volatile organic compounds (in particular trichloroethene) in the indoor air than that in the sub-slab locations. In April 2020 the same locations were resampled. The analytical results from the April 2020 sampling event indicated chlorinated volatile organic compounds (in particular trichloroethene) were still elevated. In March 2021, the sub-slab depressurization system was expanded to include the Tool Room (South System). After installation of the South System, additional indoor air sampling was completed to track the trichloroethene concentrations. Trichloroethene was detected at 2.4 microgram per cubic meter of air (µg/m^3). The concentration of trichloroethene still remains above the New York State Department of Health’s ambient air guidance value of 2 µg/m^3. Additional indoor air sampling will be completed during the next heating season to ensure the South System has reduced trichloroethene concentrations in indoor air are below 2 µg/m^3 ambient air guidance value.

Background

Previous environmental investigations performed at the site detected elevated levels of a chemical called trichloroethene (TCE) in the groundwater, soil vapor, and soil underneath the 1500 Jefferson Road building. TCE is a volatile organic compound that is commonly used in industry and was used to remove grease from parts at the facility until about January 2015. Additional information on TCE can be found at:

https://www.health.ny.gov/environmental/investigations/soil_gas/svi_guidance/docs/fs_tce.pdf

The Site was entered into the BCP as Site No. C828182 in November 2012, based upon the findings of previous environmental investigations.

The Applicant has completed a Remedial Investigation (RI) at the Site to characterize the nature

and extent of contamination at the Site.

Access to the Site's project documents online through the DECinfo Locator:
https://www.dec.ny.gov/data/DecDocs/C828182/.

Additional Site details, including environmental and health assessment summaries, are available on NYSDEC's website. Use site code C828182.
http://www.dec.ny.gov/chemical/8437.html

Brownfield Cleanup Program: New York's Brownfield Cleanup Program (BCP) encourages the voluntary cleanup of contaminated properties known as "brownfields" so that they can be reused and redeveloped. These uses include recreation, housing, business, or other uses.

A brownfield is any real property that is difficult to reuse or redevelop because of the presence or potential presence of contamination.

For more information about the BCP, visit: http://www.dec.ny.gov/chemical/8450.html

FOR MORE INFORMATION

Project documents are available at the following location(s) to help the public stay informed.

Henrietta Public Library
625 Calkins Road
Henrietta, NY 14623
Phone: (585) 359-7092

Who to Contact:
Comments and questions are always welcome and should be directed as follows:

Environmental Project Related Questions:

Charlotte B. Theobald
Department of Environmental Conservation
Division of Environmental Remediation
6274 East Avon-Lima Road
Avon, New York 14414
(585) 226-5354
charlotte.theobald@dec.ny.gov

Site-Related Health Questions:

Julia Kenney
New York State Department of Health
Bureau of Environmental Exposure Investigation Empire State Plaza,
Corning Tower, Room 1787
Albany, New York 12237
1-518-402-7860
BEEI@health.ny.gov

July 19, 2021

Charlotte B. Theobald
New York State Department of Environmental Conservation
6274 East Avon-Lima Road
Avon, New York 14414

Julia Kenney, PG
NYS Department of Health
Bureau of Environmental Exposure Investigation
Corning Tower, Room 1787
Albany, NY 12237

Re: Post-Mitigation (SSDS Installation) Air Sampling Results – Tool Room Expansion
Eldre Corporation
1500 Jefferson Road & 55 Hofstra Road
Henrietta, New York
NYSDEC BCP Site C828182
LaBella Project No. 212721.02

Dear Ms. Theobald and Ms. Kenney,

LaBella Associates, D.P.C. (LaBella) is submitting this letter summarizing soil vapor intrusion (SVI) sampling results collected post-sub-slab depressurization system (SSDS) installation (Tool Room expansion) at the above referenced New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP) Site (BCP ID No. C828182), located at 1500 Jefferson Road and 55 Hofstra Road in the Town of Henrietta, New York, herein after referred to as "the Site." An SSDS IRM Work Plan Addendum (dated March 16, 2021) was previously approved by the NYSDEC and served as the basis for this work. This letter report summarizes the activities associated with the IRM Work Plan Addendum and post-mitigation SVI sampling results.

Abbreviated Site History and Project Background

On-site manufacturing operations utilized trichloroethylene (TCE) for degreasing metal parts until January 2015, when the use of TCE was ended. TCE was predominantly used in a vapor degreaser located on the eastern side of Site building on the lower level (refer to Figure 1); however, based on discussions with the former owner, TCE was also utilized for degreasing in other locations within the building on a smaller scale. Subsequent to ending the on-site use of TCE, NYSDEC requested that a SSDS be installed and/or SVI testing be conducted. Based on the known TCE source area beneath the northern portion of the building, it was proposed that a partial SSDS would be installed with follow-up SVI testing. This was proposed in the Interim Remedial Measures (IRM) Work Plan (dated September 2016) and conditionally approval by NYSDEC in a letter dated June 15, 2017, along with subsequent email correspondence, and a letter (dated February 14, 2018) detailing baseline SVI testing results and building areas proposed for mitigation.

As approved in the IRM Work Plan, two (2) SSDS were installed in the northern portion of the 1500 Jefferson Road building. Subsequent to installation of the SSDS, pressure field extension (PFE) testing was completed to determine the extent of influence. In general, the system influence included the entire lower level of the building with the exception of some areas of the southern portion of the lower level (furthest from the depressurization points), including the tool room. Based on the areas of SSDS influence, areas of indoor air and SVI testing were determined. Due to a lack of SSDS influence beneath the tool room portion of the lower level of the building, the NYSDEC requested a soil vapor intrusion sample from within the tool room. Post-mitigation SVI sampling was conducted across the entire 1500 Jefferson Road building in April 2019 and April 2020. The SSDS installation and sampling was conducted in accordance with NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York (dated October 2006) and subsequent updates.

Previous Tool Room SVI Sampling Results

April 2019

The April 2019 testing of the tool room (samples designated SVI/IAQ-09) identified TCE in sub-slab vapor of 3.5 µg/m^3 and TCE in indoor air of 5.6 µg/m^3. Based on a comparison of results to the 2017 NYSDOH Decision Matrices, the concentration of TCE in SVI/IAQ-09 (Tool Room) indicated "identify sources and resample or mitigate". Specifically, the NYSDOH decision matrix indicates "*We recommend that reasonable and practical actions be taken to identify the source(s) affecting the indoor air quality and that actions be implemented to reduce indoor air concentrations to within background ranges. For example, if an indoor or outdoor air source is identified, we recommend the appropriate party implement actions to reduce the levels. In the event that indoor or outdoor sources are not readily identified or confirmed, resampling (which might include additional sub-slab vapor and indoor air sampling locations) is recommended to demonstrate that SVI mitigation actions are not needed. Based on the information available, mitigation might also be recommended when soil vapor intrusion cannot be ruled out.*"

In addition to the SVI sampling, a building inventory was completed which identified numerous chemicals on-site. Safety Data Sheets (SDS) were obtained and reviewed for products utilized in and adjacent to the Tool Room area. TCE was not identified on the SDSs.

April 2020

Based on the higher concentrations of compounds in the indoor air than in the sub-slab at SVI/IAQ-09 resulting in "identify sources and resample or mitigate", and the fact that source area treatment in Remedial Area of Concern #1 (beneath the northern portion of the 1500 Jefferson Road Building) consisting of Electrical Resistance Heating (ERH) began March 10, 2020, the Tool Room was resampled in April 2020.

The April 2020 testing of the tool room (samples designated SVI/IAQ-9) identified TCE in sub-slab vapor of 4.4 µg/m^3 and TCE in indoor air of 4.6 µg/m^3. Based on a comparison of results to the 2017 NYSDOH Decision Matrices, location SVI/IAQ-9 (Tool Room) resulted in "identify sources and resample or mitigate" for a second time due to concentrations of TCE. TCE in indoor air was greater than TCE in the sub-slab during both post-mitigation sampling events (April 2019 and April 2020). A chemical inventory was completed during the April 2020 sampling event. Chemicals containing TCE were not identified; however, a product containing PCE was identified (Lectra Clean® Heavy Duty Parts Degreaser). Note that in March 2021, Mersen reported that the Lectra Clean® had been

disposed of, that none of Mersen's employees were familiar with the product, and Mersen does not believe the product was ever used onsite.

The presence of TCE in indoor air at a concentration greater than the sub-slab may be a result of current or past uses of CVOCs in this room. Specifically, degreasers are and have been used in this room. The possibility that TCE has been unknowingly used exists, as TCE can be present in low concentrations within such products, without the disclosure of the manufacturer (trade secret).

SSDS Installation – Tool Room

Although the previous sampling results indicated that soil vapor intrusion was likely not the cause of the concentrations of TCE in indoor air, in an attempt to reduce indoor air concentrations of TCE in the tool room area, it was agreed that the SSDS would be expanded to include the tool room.

A third SSDS at the Site was installed beneath the Tool Room Area between March 29 and April 5, 2021. Note that the system was broadened to include six (6) suction cavities, up from the four (4) cavities proposed in the IRM Work Plan Addendum. The additional cavities were deemed necessary to ensure adequate sub-slab negative pressure (area of influence) to encompass the entire tool room. The layout is shown on Figures 1 and 2, attached. System installation details will be further documented in a Construction Completion Report (CCR).

LaBella inspected the newly installed system to confirm proper installation and operation on April 6, 2021. Elements of the inspection included:

- Confirming all piping was intact and of appropriate material and size (4" diameter PVC);
- Accessing the roof to confirm an adequate exhaust fan was installed and operating;
- Observing the negative pressure reading of the U-tube manometer installed on one of the vertical risers;
- Testing the audible alarm; and,
- Conducting a pressure field extension (PFE) test within the tool room area, which included eight (8) test points. A negative pressure differential of -0.004" water column ("wc) (or greater) was observed at all eight test points (see table below). PFE test point locations are shown on Figure 2.

PFE Test Point ID	Relative Location	Pressure Differential ("wc)
A	Tool Room – Center-East	-0.041
B	Tool Room – Eastern Perimeter	-0.500
C	Tool Room – Center-West	-0.045
D	Tool Room – Western Perimeter	-0.016
E	Tool Room - Center	-0.421
F	Tool Room (Grinding Sub-Room) - West	-0.040
G	Tool Room (Grinding Sub-Room) - Northeast	-0.070
H	Tool Room (Grinding Sub-Room) - Southeast	-0.009

In addition, LaBella visually inspected the piping and exhaust fans associated with the other two previously installed SSDS at the Site. The systems were observed to be operating in good condition.

Post-Mitigation SVI Sampling

In accordance with the SSDS IRM Work Plan Addendum dated March 16, 2021 and conditional approval, air sampling was conducted on April 15, 2021.

Prior to starting the sampling event, LaBella personnel noted the following:

- To reduce possible sampling interferences, some of the products typically used or stored in the Tool Room had been removed by facility personnel prior to arrival;
- LaBella performed a limited review of products remaining in the area (the review occurred among visible locations and did not include looking inside every cabinet, tool chest, etc.), and obtained SDSs of two products frequently used in the Tool Room area (Darl No. 2 and GX Cool 2195, SDSs for each are included as Appendix 3). GX Cool 2195 was in active use at the time of sample setup;
- The U-Tube manometer and audible alarm system indicated that the SSDS was operating in proper fashion; and,
- Indoor heating systems were in normal use (maintaining an indoor air temperature of approximately 70°F).

At the time of sampling, outdoor weather conditions were overcast and rain, with temperatures in the mid-40s°F.

As requested by NYSDEC/NYSDOH, an indoor air sample was collected from the Tool Room (location IAQ-09, shown on Figure 2) and an outdoor air sample was collected for control / comparison purposes (location OA, shown on Figure 1). A matrix spike / matrix spike duplicate (MS/MSD) sample was collected with the indoor air sample. The outdoor air sample was split into a parent and duplicate sample by the laboratory for additional QA/QC purposes (laboratory split duplicate). A Data Usability Summary Report (DUSR) was obtained and is included as Appendix 2. The changes made to the analytical data by the DUSR are included in Table 1. The DUSR did not reject any of the collected sample data, but did qualify the results as estimations due to sample termination occurring outside the accepted canister vacuum reading range (-5±1"Hg) and elevated spiked sample recoveries for specific compounds. The DUSR concluded that the results are usable and defensible.

Summary of Analytical Results

Samples were analyzed via USEPA Method TO-15 for VOCs. Refer to Table 1 for a complete summary of results. The complete laboratory report is included as Appendix 1. The table below depicts Tool Room air sampling results for specific compounds of concern collected to-date:

Compound	Regulatory Limit[1]	IAQ-09 (4/2/2019)	IAQ-9 (4/3/2020)	IAQ-09 (4/15/2021)
PCE	30	1.2	<1.0	<1.0
TCE	2	5.6	4.6	2.4

Concentrations reported in micrograms per cubic meter (ug/m^3)
[1] – NYSDOH Ambient Air Guidance Value

TCE in indoor air collected from the Tool Room after the SSDS was installed and operating for ten (10) days was 2.4 µg/m^3; however, the concentration of TCE remains above the NYSDOH ambient air guidance value of 2 µg/m^3.

Knowing that the soil vapor concentrations of TCE beneath the Tool Room have always been less than 6 ug/m^3 (and lower in the sub-slab than in the indoor air), the result of indoor air sampling again places the Tool Room area in the "identify sources and resample or mitigate" category of the 2017 NYSDOH Decision Matrices.

LaBella reviewed the SDSs for two products frequently used in the Tool Room area (Darl No. 2 and GX Cool 2195). TCE was not identified among the reported components of the SDSs. SDSs received on April 15, 2021 are included in Appendix 3.

Conclusion

Further mitigation or sampling is not considered warranted for the following reasons:

- Source area remediation (via Electrical Resistance Heating) occurred in 2020;
- Indoor air sampling results for TCE were higher than sub-slab vapor concentrations during the two rounds of sampling conducted in 2019 and 2020, suggesting a source in the indoor / ambient environment (unrelated to historical subsurface contamination);
- The SSDS expansion has not reduced indoor air concentrations to below applicable guidance values even though the SSDS is operating effectively, as evidenced by PFE testing results;
- Past use of products containing TCE in the Tool Room area (discontinued in 2015) likely resulted in a latent condition not able to be addressed without extreme measures that would be exceptionally costly;
- The results only slightly exceed the NYSDOH guidance value of 2 µg/m^3;
- Airborne concentrations have decreased over time, and would be expected to further decrease over time as remedial systems continue to operate and the period of time since products of concern were used continues to pass; and,
- All actions required to be completed per the NYSDOH Guidance Document have been completed; including taking all practical/reasonable actions to identify indoor air sources, resampling, and mitigating.

Based on the above, any further actions to address TCE in indoor air would require addressing residual releases to concrete and staining of concrete due to the historical uses. Such work is not related to soil vapor intrusion and rather is related to addressing residual impacts in building products.

If you have any questions, or require additional information, please do not hesitate to contact me at (585) 295-6611.

Respectfully submitted,

LABELLA ASSOCIATES, D.P.C.

Daniel P. Noll, PE
Project Manager

ATTACHMENTS:

Figure 1 – Entire SSDS
Figure 2 – Tool Room SSDS
Table 1 – Air Sampling Results
Appendix 1: Laboratory Report
Appendix 2: Data Usability Summary Report
Appendix 3: Safety Data Sheets Received April 15, 2021

FIGURES

Notes:
1. Parcel boundaries are approximate and obtained from Monroe County Real Property data.
2. SSDS components measured from Site features and are approximate.

Legend

- SSDS Depressurization Points
- SSDS Piping
- SSDS Fans
- Approximate Area of Prior Mitigation Activities
- Tool Room Area of Mitigation
- Approximate Sump Locations
- ERH Treatment Area (source treatment completed May 2020)
- Building Partitions
- Site Parcel Boundaries
- Outdoor Air Sample Location

OA (04/15/21)

CURRENT LAYOUT

Piping Extends Vertically to Fan on Roof

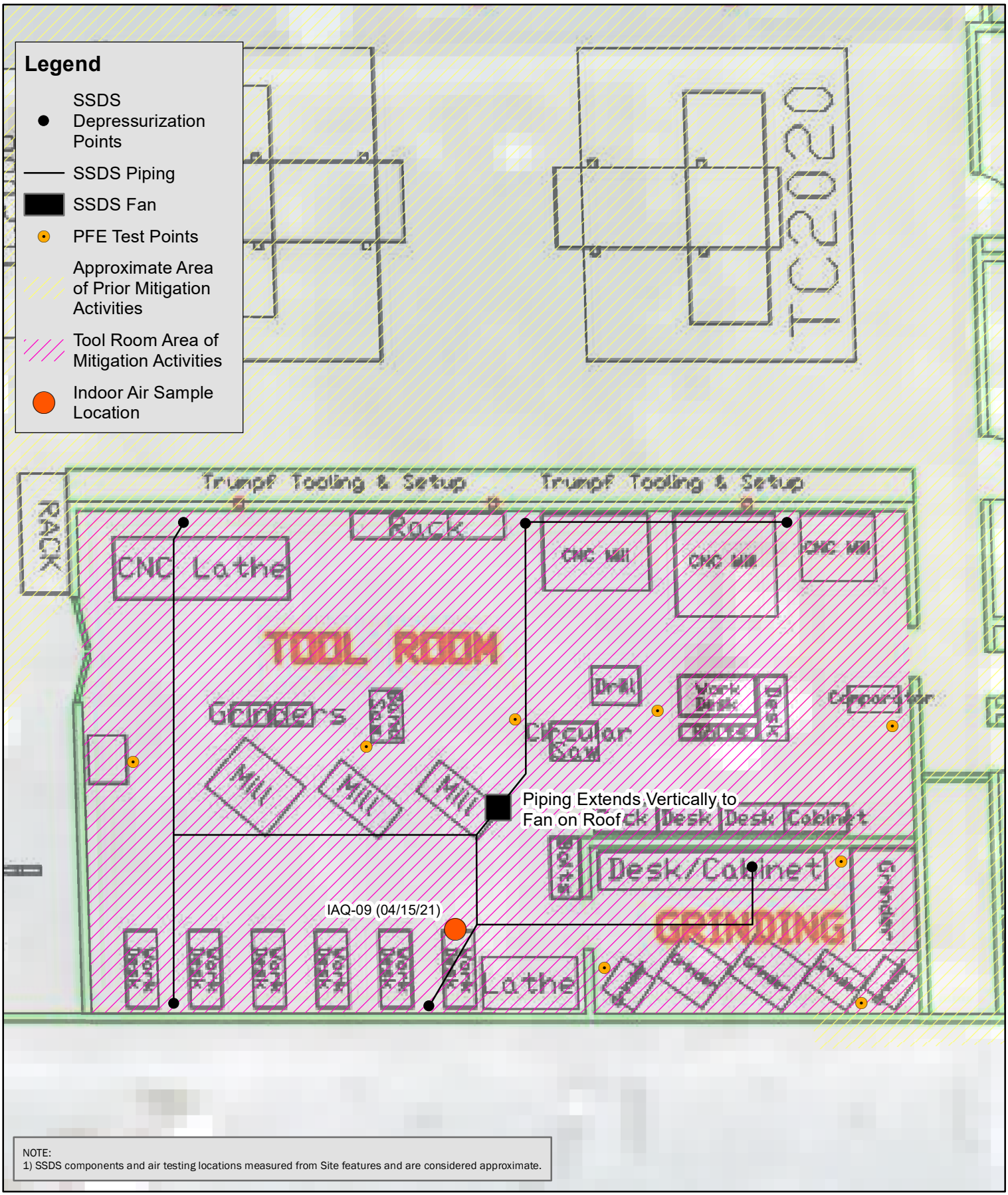
HOFFSTRA ROAD

JEFFERSON ROAD

Jefferson Rd

FIGURE 1	DRAWING TITLE: Entire SSDS	PROJECT / CLIENT: ELDRE CORPORATION BCP SITE C828182 1500 JEFFERSON ROAD AND 55 HOFSTRA ROAD	300 State Street, Suite 201 Rochester, NY 14614 (585) 454-6110 labellapc.com LaBella Powered by partnership.
212721.01	DATE: 4/21/2021 Intended to print as 11" x 17". 0 40 Ft 1 inch = 35 feet		

Document Path: I:\Eldre Corporation\212721.01 - BCP Removal Phase\Drawings\SSDS\Tool Room Expansion\Tool Room Expansion Finished - Figure 1.mxd



PROJECT #/DRAWING #/DATE:	DRAWING NAME:	CLIENT:
212721.01 FIGURE 2 4/21/2021	Tool Room SSDS	Eldre Corporation PROJECT: BCP Site C828182 1500 Jefferson Road and 55 Hofstra Road

N W E S

0 4 8 Feet

1 inch = 10 feet

INTENDED TO PRINT AS: 8.5" X 11"

LaBella Powered by partnership.

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TABLE

TABLE 1

Tool Room Air Sampling Results - April 2021

NYSDEC BCP Site No. C828182

1500 Jefferson Road

Volatile Organic Compounds

Abbreviated Sample ID	NYSDOH Ambient Air Guidance Values[1]	USEPA BASE Database 90th Percentile[2]	IAQ-09		OA	
Sample Type			Indoor Air - Tool Room		Outdoor Air / Control Sample	
Sample Date			4/15/2021		4/15/2021	
1,1,1-Trichloroethane	NL	2.6	<0.82	UJ	<0.82	UJ
1,1,2,2-Tetrachloroethane	NL	<0.25[3]	<1.0	UJ	<1.0	UJ
1,1,2-Trichloroethane	NL	<1.6	<0.82	UJ	<0.82	UJ
1,1-Dichloroethane	NL	<0.6	<0.61	UJ	<0.61	UJ
1,1-Dichloroethene	NL	<1.4	<0.16	UJ	<0.16	UJ
1,2,4-Trichlorobenzene	NL	<6.4	<1.1	UJ	<1.1	UJ
1,2,4-Trimethylbenzene	NL	5.8	1.4	J	<0.74	UJ
1,2-Dibromoethane	NL	<1.6	<1.2	UJ	<1.2	UJ
1,2-Dichlorobenzene	NL	<1.2	<0.90	UJ	<0.90	UJ
1,2-Dichloroethane	NL	<0.8	<0.61	UJ	<0.61	UJ
1,2-Dichloropropane	NL	<1.6	<0.69	UJ	<0.69	UJ
1,3,5-Trimethylbenzene	NL	2.7	<0.74	UJ	<0.74	UJ
1,3-butadiene	NL	<3.4	<0.33	UJ	<0.33	UJ
1,3-Dichlorobenzene	NL	<2.2	<0.90	UJ	<0.90	UJ
1,4-Dichlorobenzene	NL	1.2	<0.90	UJ	<0.90	UJ
1,4-Dioxane	NL	NL	<1.1	UJ	<1,.1	UJ
2,2,4-trimethylpentane	NL	NL	<0.70	UJ	<0.70	UJ
4-ethyltoluene	NL	3	0.69	J	<0.74	UJ
Acetone	NL	43.7	170	J	15	J
Allyl chloride	NL	NL	<0.47	UJ	<0.47	UJ
Benzene	NL	6.6	1.1	J	0.42	J
Benzyl chloride	NL	<6.4	<0.86	UJ	<0.86	UJ
Bromodichloromethane	NL	<10[4]	<1.0	UJ	<1.0	UJ
Bromoform	NL	<10[4]	<1.6	UJ	<1.6	UJ
Bromomethane	NL	<1.6	0.43	J	<0.58	UJ
Carbon disulfide	NL	3.7	0.34	J	<0.47	UJ
Carbon tetrachloride	NL	0.7	0.50	J	0.44	J
Chlorobenzene	NL	<0.8	<0.69	UJ	<0.69	UJ
Chloroethane	NL	<1.2	<0.40	UJ	<0.40	UJ
Chloroform	NL	0.6	<0.73	UJ	<0.73	UJ
Chloromethane	NL	3.7	0.99	J	0.83	UJ
cis-1,2-Dichloroethene	NL	<1.8	<0.16	UJ	<0.16	UJ
cis-1,3-Dichloropropene	NL	<2.2	<0.68	UJ	<0.68	UJ
Cyclohexane	NL	8.1[3]	<0.52	UJ	<0.52	UJ
Dibromochloromethane	NL	<10[4]	<1.3	UJ	<1.3	UJ
Ethyl acetate	NL	1.5	<0.54	UJ	0.5	J
Ethylbenzene	NL	3.5	0.61	J	<0.65	UJ
Freon 11	NL	4.3	1.3	J	1	J
Freon 113	NL	1.6	<1.1	UJ	<1.1	UJ
Freon 114	NL	<6.4	<1.0	UJ	<1.0	UJ
Freon 12	NL	8.1	2.6	J	2.2	J
Heptane	NL	4.5[3]	6.1	J	<0.61	UJ
Hexachloro-1,3-butadiene	NL	<6.4	<1.6	UJ	<1.6	UJ
Hexane	NL	6.4	<0.53	UJ	<0.53	UJ
Isopropyl alcohol	NL	NL	1300	UJ	8.8	UJ
m&p-Xylene	NL	12.8	2	J	<1.3	UJ
Methyl Butyl Ketone	NL	NL	<1.2	UJ	<1.2	UJ
Methyl Ethyl Ketone	NL	11.3	4.1	J	0.65	J
Methyl Isobutyl Ketone	NL	1.9	0.7	J	<1.2	UJ
Methyl tert-butyl ether	NL	6.2	<0.54	UJ	<0.54	UJ
Methylene chloride	60	6.1	5.2	J	0.87	J
o-Xylene	NL	4.6	0.87	J	<0.65	UJ
Propylene	NL	NL	<0.26	UJ	<0.26	UJ
Styrene	NL	1.3	<0.64	UJ	<0.64	UJ
Tetrachloroethylene (PCE)	30	6.5	0.81	J	<1.0	UJ
Tetrahydrofuran	NL	3.3[3]	<0.44	UJ	<0.44	UJ
Toluene	NL	33.7	2.7	J	0.6	J
trans-1,2-Dichloroethene	NL	<10[4]	<0.59	UJ	<0.59	UJ
trans-1,3-Dichloropropene	NL	<1.4	<0.68	UJ	<0.68	UJ
Trichloroethene (TCE)	2	1.3	**2.4**	J	<0.16	UJ
Vinyl acetate	NL	NL	<0.53	UJ	<0.53	UJ
Vinyl Bromide	NL	NL	<0.66	UJ	<0.66	UJ
Vinyl chloride	NL	<1.8	<0.10	UJ	<0.10	UJ

Notes:

All concentrations are reported in micrograms per cubic meter (ug/m^3)

Samples analyzed by USEPA Method TO-15

"<" - Indicates the concentration was not detected above the reporting limit

(1) *New York State Department of Health (NYSDOH), Guidance for Evaluating Soil Vapor Intrusion in the State of New York* , October 2006. [Note: This Guidance uses a combination of indoor air and sub-slab soil vapor when comparing to the matrices. In addition, for compounds not listed in the matrices an overall site approach is employed which utilizes the USEPA BASE Database (see (2) below) as typical background for commercial buildings and also uses the outdoor air sample, refer to Guidance document for details.]

(2) USEPA 2001 Building Assessment and Survey Evaluation (BASE) Database (90th Percentile). As recommended in Section 3.2.4 of the NYSDOH Guidance[1] this database is referenced for the indoor air sampling results. This database is also referenced to provide initial benchmarks for comparison to the air sampling data and does not represent regulatory standards or compliance values.

(3) No value was listed in USEPA BASE Database. A value from Table C.1 NYSDOH 2003: Study of volatile organic chemicals in air of fuel oil heated homes (90th Percentile) was used.

(4) No value was listed in USEPA BASE Database. A value from Table C.3 NYSDOH 1997: Control home database (90th Percentile) was used.

Bold - Reported concentration exceeds applicable NYSDOH Ambient Air Guidance Value

NL - No Limit / Guidance Value

U - Presence of compound cannot be verified per the Data Usability Summary Report

J - Indicates an estimated value

Data has been validated. Blue font indicates changes made in the DUSR

APPENDIX 1

Laboratory Report

Centek Laboratories TO-15 Package Review CheckList

Client: LaBella Rochester **Project:** 1500 Jefferson Rd SDG: C2104038

		YES	NO	NA
Analytical Results	Present and Complete	✓		
TIC's Present	Present and Complete	✓		
	Holdin Times Met	✓		

Comments:

Chain of Custody	Present and Complete	✓		
Surrogate	Present and Complete	✓		
	Recoveries within Limits	✓		
	Sample(s) reanalyzed			✓
Internal Standards	Present and Complete	✓		
Recovery	Recoveries within Limits	✓		
	Sample(s) reanalyzed			✓

Comments:

Lab Control Sample	Present and Complete	✓		
(LCS)	Recoveries within Limits		✓	
Lab Control Sample Dupe	Present and Complete	✓		
(LCSD)	Recoveries within Limits		✓	
MS/MSD	Present and Complete	✓		
	Recoveries within Limits		✓	

Comments: SEE CASE NARRATIVE

Sample Raw Data	Present and Complete	✓		
	Spectra present	✓		

Comments:

Centek Laboratories TO-15 Package Review CheckList

Client: LaBella Rochester **Project:** 1500 Jefferson Rd **SDG:** C2104038

		YES	NO	NA
Standards Data				
Intial 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: SEE CASE NARRATIVE

Section Supervisor: [signature] Date: 5/5/21

QC Supervisor: [signature] Date: 5/5/21

CENTEK 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

Drew Brantner
LaBella Associates, P.C.
300 State Street, Suite 201
Rochester, NY 14614

TEL: (585) 454-6110
FAX (585) 454-3066

Friday, April 23, 2021
Order No.: C2104038

RE: 1500 Jefferson Road

Dear Drew Brantner:

Centek Laboratories, LLC received 3 sample(s) on 4/16/2021 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 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 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.

Sincerely,

William Dobbin
Lead Technical Director

Disclaimer: The test results and procedures utilized, and laboratory interpretations of the data obtained by Centek 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 silcon series compounds.

Centek Laboratories, LLC Terms and Conditions

Sample Submission

All samples sent to Centek 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.CentekLabs.com. Samples received after 3:00pm are considered to be a part of the next day's business.

Sample Media

Samples can be collected in an canister or a Tedlar bag. Depending on your analytical needs, Centek 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 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 dameges of equipment.

Turn Around time (TAT)

Centek 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. 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 Laboratories, LLC 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 Laboratories, LLC warrants the test results to be accurate to the methodology and sample type for each sample submitted to Centek Laboratories, LLC. In no event shall Centek Laboratories, LLC be liable for direct, indirect, special, punitive, incidental, exemplary or consequential damages, or any damages whatsoever, even if Centek Laboratories, LLC 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
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CENTEK LABORATORIES, LLC

Date: *05-May-21*

CLIENT: LaBella Associates, P.C.
Project: 1500 Jefferson Road
Lab Order: C2104038

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.

Sample #1, using canister #1201 for MS/MSD. Client aware of mix up only test the 1.4L canister for sample/MS/MSD.

See Corrective Action: [4291] MS/MSD did not meet criteria.
See Corrective Action: [4292] LCS & LCSD did not meet criteria due to in house limits

Centek Laboratories, LLC

Corrective Action Report

Date Initiated: 20-Apr-21 **Corrective Action Report ID:** 4291

Initiated By: Russell Pellegrino **Department:** MSVOA

Corrective Action Description

CAR Summary: MS/MSD did not meet criteria.

Description of Nonconformance Root/Cause(s): Several compounds did not meet criteria for sample C2104038-001 MS/MSD. Based on the chromatographic evidence this is most likely due to matrix interference.

Description of Corrective Action w/Proposed C.A.: Since MS/MSD show similar results at this time no further corrective action taken. All other QC meets criteria. The samples show many hits in the matrix which will interfere with spike results. All sets of data submitted

Performed By: Russell Pellegrino **Completion Date:** 21-Apr-21

Client Notification

Client Notification Required: No **Notified By:**

Comment:

Quality Assurance Review

Nonconformance Type: Deficiency

Further Action required by QA: Monitor all quality control for sample matrix interference. At this time no further corrective action taken. All sets of data submitted

Approval and Closure

Technical Director / Deputy Tech. Dir.: William Dobbin **Close Date:** 23-Apr-21

QA Officer Approval: Nick Scala **QA Date:** 23-Apr-21

Last Updated BY russ Updated: 05-May-2021 11:17 AM Reported: 05-May-2021 11:17 A

Centek Laboratories, LLC

Corrective Action Report

Date Initiated: 22-Apr-21 **Corrective Action Report ID:** 4292

Initiated By: Russell Pellegrino **Department:** MSVOA

Corrective Action Description

CAR Summary: LCS & LCSD did not meet criteria due to in house limits

Description of Nonconformance Root/Cause(s): LCS & LCSD for 4/20/21 & 4/21/21 did not meet criteria for several compounds % recoveries. All other QC required met criteria. The compounds that did not meet criteria were not needed for the associated sample dilutions. The LCS 6 Liter canister was independent of the 6 Liter continuing calibration canister. The in house criteria was just updated and all compounds that failed have very tight limits. However all other criteria was met

Description of Corrective Action w/Proposed C.A.: Since the LCS 6 Liter canister was independent of the 6 Liter continuing calibration canister and all other QC required met criteria, then continue with analysis. If results continue outside established limits then recalibrate system. All sets of data submitted.

Performed By: Russell Pellegrino **Completion Date:** 23-Apr-21

Client Notification

Client Notification Required: No **Notified By:**

Comment:

Quality Assurance Review

Nonconformance Type: Deficiency

Further Action required by QA: When enough data points are collected update the in house criteria. If results continue outside established criteria then recalibrate the system. Perform new stock LCS. Monitor all quality control to meet established criteria. All sets of data submitted.

Approval and Closure

Technical Director / Deputy Tech. Dir.: William Dobbin **Close Date:** 26-Apr-21

QA Officer Approval: Nick Scala **QA Date:** 26-Apr-21

Last Updated BY russ Updated: 05-May-2021 11:20 AM Reported: 05-May-2021 11:20 A

Centek Labs - Chain of Custody

Centek Laboratories
143 Midler Park Drive
Syracuse, NY 13206
315-431-9730
www.CentekLabs.com

Vapor Intrusion & IAQ

Site Name: 1500 Jefferson Road
Project: 212721
PO#:
Quote # Q-3P
Canister Order #: 0707

Detection Limit	Report Level
☐ 5ppbv	☐ Level I
☐ 1ug/M3	☐ Level II
☒ 1ug/M3 + 0.2 NYS	☒ Cat "B" Like
☐	☐

TAT Turnaround Time:	Check One	Rush TAT Surcharge %	Due Date:
5 Business Days	☒	0%	
4 Business Days	☐	25%	
3 Business Days	☐	50%	
2 Business Days	☐	75%	
*Next Day by 5pm	☐	100%	
*Next Day by Noon	☐	150%	
*Same Day	☐	200%	

*For Same and Next Day TAT Please Notify Lab

Company: LaBella Associates

Report to:
Address: 300 State Street, Suite 201
City, State, Zip: Rochester, NY 14614
Email: dbrantner@labellapc.com
(607) 280-2628
Phone: (585) 454-6110

Company: Check Here If Same: ☒

Invoice to:
Address:
City, State, Zip:
Email: AP@LaBellaPC.com
Phone:

Sample ID	Date Sampled	Canister Number	Regulator Number	Analysis Request	Field Vacuum Start / Stop	Labs Vacuum** Recv/Analysis	Comments
IAQ-09 (04/15/21)	4/15/21 0843 to 2359	240	265	TO-15	-30 / -3	-1 / -2	MS/MSD Location
OA (04/15/21)	4/15/21 0853 to 1607	550	271	TO-15	-30 / -3	0 / -1	
DUPE (04/15/21)	4/15/21	550	271	TO-15	" / "	/	Retrieve From other Can
MS/MSD (04/15/21)	4/15/21 0844 to 1600	1201	734	TO-15	-30 / -9	-5 / -5	"Over" -30 @ start
					/	/	
					/	/	
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Chain of Custody	Print Name	Signature	Date/Time	Courier: CIRCLE ONE
Sampled by:	Drew Brantner	Drew Brantner	4/15/21 1623	FedEx UPS Pickup/Dropoff
Relinquished by:				**For LAB USE ONLY
Received at Lab by:	Robin Gustafson	Robin Gustafson	4/16/21	Work Order # C2104038

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

*** By signing Centek Labs Chain of Custody, you are accepting Centek Labs Terms and Conditions listed on the reverse side.

Date: *05-May-21*

CENTEK LABORATORIES, LLC

CLIENT: LaBella Associates, P.C.
Project: 1500 Jefferson Road
Lab Order: C2104038

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
C2104038-001A	IAQ-09 (4/15/21)	1201,734	4/15/2021	4/16/2021
C2104038-002A	OA (4/15/21)	550,271	4/15/2021	4/16/2021
C2104038-003A	Dupe (4/15/21)	550,271	4/15/2021	4/16/2021

CENTEK LABORATORIES, LLC

Sample Receipt Checklist

Client Name: LABELLA - ROCHESTER | Date and Time Received: 4/16/2021

Work Order Number: C2104038 | Received by: RG

Checklist completed by: Robin Fosella 4/19/21 (Signature / Date) | Reviewed by: WD 4/20/2021 (Initials / Date)

Matrix: | Carrier name: UPS - Ground

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

Adjusted? _____ Checked by _____

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

Client contacted: Yes Date contacted: 4-16-21 Person contacted: Drew

Contacted by: Robin Regarding: Canister mix up for ms/msd test

Comments: using 1201 NOT 240

Corrective Action: talked to Drew on 4/16/21. OK to use 1.201 for ms/msD. RB

QC'd By: [signature] DATE: 5/5/21

Lab Order: C2104038
Client: LaBella Associates, P.C.
Project: 1500 Jefferson Road

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
C2104038-001A	IAQ-09 (4/15/21)	4/15/2021	Air	ug/m3 w/ 0.2ug/M3 CT-TCE-VC-DCE-1,1DCE			4/22/2021
				ug/m3 w/ 0.2ug/M3 CT-TCE-VC-DCE-1,1DCE			4/21/2021
				ug/m3 w/ 0.2ug/M3 CT-TCE-VC-DCE-1,1DCE			4/21/2021
				ug/m3 w/ 0.2ug/M3 CT-TCE-VC-DCE-1,1DCE			4/20/2021
C2104038-002A	OA (4/15/21)			ug/m3 w/ 0.2ug/M3 CT-TCE-VC-DCE-1,1DCE			4/21/2021
				ug/m3 w/ 0.2ug/M3 CT-TCE-VC-DCE-1,1DCE			4/20/2021
C2104038-003A	Dupe (4/15/21)			ug/m3 w/ 0.2ug/M3 CT-TCE-VC-DCE-1,1DCE			4/21/2021
				ug/m3 w/ 0.2ug/M3 CT-TCE-VC-DCE-1,1DCE			4/20/2021

CENTEK LABORATORIES, LLC
Air Quality Testing...It's a Gas
143 Midler Park Drive * Syracuse, NY 13206
TEL: 315-431-9730 * FAX: 315-431-9731

CANISTER ORDER

8787

05-May-21

SHIPPED TO:

Company: LaBella Associates, P.C.
Contact: Drew Brantner
Address: 300 State Street, Suite 201
Rochester, NY 14614
Phone: (585) 454-6110
Quote ID: 0
Project:
PO:

Submitted By:
MadeBy: rjp

Ship Date: 3/31/2021
VIA: UPS - Ground
Due Date: 4/2/2021

Bottle Code	Bottle Type	TEST(s)	QTY
MC1400CC	1.4L Mini-Can	1ug/m3 w/ 0.2ug/M3 CT-TCE-VC-DC	1
MC1000CC	1L Mini-Can	1ug/m3 w/ 0.2ug/M3 CT-TCE-VC-DC	2

Can / Reg ID	Description
240	1L Mini-Can - 1172 VI
265	Time-Set Reg - 703 VI
271	Time-Set Reg - 709 VI
550	1L Mini-Can - 118 VI
734	Time-Set Reg - 2144 IAQ
1201	1.4L Mini-Can - 1362 VI

Comments: 2 1L @ 8hr + 1 1.4 @ 8hr WAC 021821D-F, 021921A-B

GC/MS VOLATILES-WHOLE AIR

METHOD TO-15

ANALYTICAL RESULTS

Centek Laboratories, LLC

Date: *05-May-21*

CLIENT:	LaBella Associates, P.C.	**Client Sample ID:**	IAQ-09 (4/15/21)
Lab Order:	C2104038	**Tag Number:**	1201,734
Project:	1500 Jefferson Road	**Collection Date:**	4/15/2021
Lab ID:	C2104038-001A	**Matrix:**	AIR

Analyses	Result	DL	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		FLD				Analyst:
Lab Vacuum In	-5			"Hg		4/16/2021
Lab Vacuum Out	-30			"Hg		4/16/2021
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		TO-15				Analyst: WD
1,1,1-Trichloroethane	< 0.15	0.15		ppbV	1	4/20/2021 4:07:00 PM
1,1,2,2-Tetrachloroethane	< 0.15	0.15		ppbV	1	4/20/2021 4:07:00 PM
1,1,2-Trichloroethane	< 0.15	0.15		ppbV	1	4/20/2021 4:07:00 PM
1,1-Dichloroethane	< 0.15	0.15		ppbV	1	4/20/2021 4:07:00 PM
1,1-Dichloroethene	< 0.040	0.040		ppbV	1	4/20/2021 4:07:00 PM
1,2,4-Trichlorobenzene	< 0.15	0.15		ppbV	1	4/20/2021 4:07:00 PM
1,2,4-Trimethylbenzene	0.29	0.15		ppbV	1	4/20/2021 4:07:00 PM
1,2-Dibromoethane	< 0.15	0.15		ppbV	1	4/20/2021 4:07:00 PM
1,2-Dichlorobenzene	< 0.15	0.15		ppbV	1	4/20/2021 4:07:00 PM
1,2-Dichloroethane	< 0.15	0.15		ppbV	1	4/20/2021 4:07:00 PM
1,2-Dichloropropane	< 0.15	0.15		ppbV	1	4/20/2021 4:07:00 PM
1,3,5-Trimethylbenzene	< 0.15	0.15		ppbV	1	4/20/2021 4:07:00 PM
1,3-butadiene	< 0.15	0.15		ppbV	1	4/20/2021 4:07:00 PM
1,3-Dichlorobenzene	< 0.15	0.15		ppbV	1	4/20/2021 4:07:00 PM
1,4-Dichlorobenzene	< 0.15	0.15		ppbV	1	4/20/2021 4:07:00 PM
1,4-Dioxane	< 0.30	0.30		ppbV	1	4/20/2021 4:07:00 PM
2,2,4-trimethylpentane	< 0.15	0.15		ppbV	1	4/20/2021 4:07:00 PM
4-ethyltoluene	0.14	0.15	J	ppbV	1	4/20/2021 4:07:00 PM
Acetone	70	96	J	ppbV	320	4/21/2021 4:34:00 PM
Allyl chloride	< 0.15	0.15		ppbV	1	4/20/2021 4:07:00 PM
Benzene	0.36	0.15		ppbV	1	4/20/2021 4:07:00 PM
Benzyl chloride	< 0.15	0.15		ppbV	1	4/20/2021 4:07:00 PM
Bromodichloromethane	< 0.15	0.15		ppbV	1	4/20/2021 4:07:00 PM
Bromoform	< 0.15	0.15		ppbV	1	4/20/2021 4:07:00 PM
Bromomethane	0.11	0.15	J	ppbV	1	4/20/2021 4:07:00 PM
Carbon disulfide	0.11	0.15	J	ppbV	1	4/20/2021 4:07:00 PM
Carbon tetrachloride	0.080	0.030		ppbV	1	4/20/2021 4:07:00 PM
Chlorobenzene	< 0.15	0.15		ppbV	1	4/20/2021 4:07:00 PM
Chloroethane	< 0.15	0.15		ppbV	1	4/20/2021 4:07:00 PM
Chloroform	< 0.15	0.15		ppbV	1	4/20/2021 4:07:00 PM
Chloromethane	0.48	0.15		ppbV	1	4/20/2021 4:07:00 PM
cis-1,2-Dichloroethene	< 0.040	0.040		ppbV	1	4/20/2021 4:07:00 PM
cis-1,3-Dichloropropene	< 0.15	0.15		ppbV	1	4/20/2021 4:07:00 PM
Cyclohexane	< 0.15	0.15		ppbV	1	4/20/2021 4:07:00 PM
Dibromochloromethane	< 0.15	0.15		ppbV	1	4/20/2021 4:07:00 PM
Ethyl acetate	< 0.15	0.15		ppbV	1	4/20/2021 4:07:00 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

Centek Laboratories, LLC

Date: *05-May-21*

CLIENT:	LaBella Associates, P.C.	**Client Sample ID:**	IAQ-09 (4/15/21)
Lab Order:	C2104038	**Tag Number:**	1201,734
Project:	1500 Jefferson Road	**Collection Date:**	4/15/2021
Lab ID:	C2104038-001A	**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: **WD**
Ethylbenzene	0.14	0.15	J	ppbV	1	4/20/2021 4:07:00 PM
Freon 11	0.23	0.15		ppbV	1	4/20/2021 4:07:00 PM
Freon 113	< 0.15	0.15		ppbV	1	4/20/2021 4:07:00 PM
Freon 114	< 0.15	0.15		ppbV	1	4/20/2021 4:07:00 PM
Freon 12	0.52	0.15		ppbV	1	4/20/2021 4:07:00 PM
Heptane	1.5	1.5		ppbV	10	4/21/2021 1:10:00 AM
Hexachloro-1,3-butadiene	< 0.15	0.15		ppbV	1	4/20/2021 4:07:00 PM
Hexane	< 0.15	0.15		ppbV	1	4/20/2021 4:07:00 PM
Isopropyl alcohol	520	96		ppbV	640	4/22/2021 12:18:00 PM
m&p-Xylene	0.47	0.30		ppbV	1	4/20/2021 4:07:00 PM
Methyl Butyl Ketone	< 0.30	0.30		ppbV	1	4/20/2021 4:07:00 PM
Methyl Ethyl Ketone	1.4	0.30		ppbV	1	4/20/2021 4:07:00 PM
Methyl Isobutyl Ketone	0.17	0.30	J	ppbV	1	4/20/2021 4:07:00 PM
Methyl tert-butyl ether	< 0.15	0.15		ppbV	1	4/20/2021 4:07:00 PM
Methylene chloride	1.5	0.15		ppbV	1	4/20/2021 4:07:00 PM
o-Xylene	0.20	0.15		ppbV	1	4/20/2021 4:07:00 PM
Propylene	< 0.15	0.15		ppbV	1	4/20/2021 4:07:00 PM
Styrene	< 0.15	0.15		ppbV	1	4/20/2021 4:07:00 PM
Tetrachloroethylene	0.12	0.15	J	ppbV	1	4/20/2021 4:07:00 PM
Tetrahydrofuran	< 0.15	0.15		ppbV	1	4/20/2021 4:07:00 PM
Toluene	0.71	0.15		ppbV	1	4/20/2021 4:07:00 PM
trans-1,2-Dichloroethene	< 0.15	0.15		ppbV	1	4/20/2021 4:07:00 PM
trans-1,3-Dichloropropene	< 0.15	0.15		ppbV	1	4/20/2021 4:07:00 PM
Trichloroethene	0.44	0.030		ppbV	1	4/20/2021 4:07:00 PM
Vinyl acetate	< 0.15	0.15		ppbV	1	4/20/2021 4:07:00 PM
Vinyl Bromide	< 0.15	0.15		ppbV	1	4/20/2021 4:07:00 PM
Vinyl chloride	< 0.040	0.040		ppbV	1	4/20/2021 4:07:00 PM
Surr: Bromofluorobenzene	98.0	47-124		%REC	1	4/20/2021 4:07:00 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

Centek Laboratories, LLC

Date: *05-May-21*

CLIENT:	LaBella Associates, P.C.	**Client Sample ID:**	IAQ-09 (4/15/21)
Lab Order:	C2104038	**Tag Number:**	1201,734
Project:	1500 Jefferson Road	**Collection Date:**	4/15/2021
Lab ID:	C2104038-001A	**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: WD
1,1,1-Trichloroethane	< 0.82	0.82		ug/m3	1	4/20/2021 4:07:00 PM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		ug/m3	1	4/20/2021 4:07:00 PM
1,1,2-Trichloroethane	< 0.82	0.82		ug/m3	1	4/20/2021 4:07:00 PM
1,1-Dichloroethane	< 0.61	0.61		ug/m3	1	4/20/2021 4:07:00 PM
1,1-Dichloroethene	< 0.16	0.16		ug/m3	1	4/20/2021 4:07:00 PM
1,2,4-Trichlorobenzene	< 1.1	1.1		ug/m3	1	4/20/2021 4:07:00 PM
1,2,4-Trimethylbenzene	1.4	0.74		ug/m3	1	4/20/2021 4:07:00 PM
1,2-Dibromoethane	< 1.2	1.2		ug/m3	1	4/20/2021 4:07:00 PM
1,2-Dichlorobenzene	< 0.90	0.90		ug/m3	1	4/20/2021 4:07:00 PM
1,2-Dichloroethane	< 0.61	0.61		ug/m3	1	4/20/2021 4:07:00 PM
1,2-Dichloropropane	< 0.69	0.69		ug/m3	1	4/20/2021 4:07:00 PM
1,3,5-Trimethylbenzene	< 0.74	0.74		ug/m3	1	4/20/2021 4:07:00 PM
1,3-butadiene	< 0.33	0.33		ug/m3	1	4/20/2021 4:07:00 PM
1,3-Dichlorobenzene	< 0.90	0.90		ug/m3	1	4/20/2021 4:07:00 PM
1,4-Dichlorobenzene	< 0.90	0.90		ug/m3	1	4/20/2021 4:07:00 PM
1,4-Dioxane	< 1.1	1.1		ug/m3	1	4/20/2021 4:07:00 PM
2,2,4-trimethylpentane	< 0.70	0.70		ug/m3	1	4/20/2021 4:07:00 PM
4-ethyltoluene	0.69	0.74	J	ug/m3	1	4/20/2021 4:07:00 PM
Acetone	170	230	J	ug/m3	320	4/21/2021 4:34:00 PM
Allyl chloride	< 0.47	0.47		ug/m3	1	4/20/2021 4:07:00 PM
Benzene	1.1	0.48		ug/m3	1	4/20/2021 4:07:00 PM
Benzyl chloride	< 0.86	0.86		ug/m3	1	4/20/2021 4:07:00 PM
Bromodichloromethane	< 1.0	1.0		ug/m3	1	4/20/2021 4:07:00 PM
Bromoform	< 1.6	1.6		ug/m3	1	4/20/2021 4:07:00 PM
Bromomethane	0.43	0.58	J	ug/m3	1	4/20/2021 4:07:00 PM
Carbon disulfide	0.34	0.47	J	ug/m3	1	4/20/2021 4:07:00 PM
Carbon tetrachloride	0.50	0.19		ug/m3	1	4/20/2021 4:07:00 PM
Chlorobenzene	< 0.69	0.69		ug/m3	1	4/20/2021 4:07:00 PM
Chloroethane	< 0.40	0.40		ug/m3	1	4/20/2021 4:07:00 PM
Chloroform	< 0.73	0.73		ug/m3	1	4/20/2021 4:07:00 PM
Chloromethane	0.99	0.31		ug/m3	1	4/20/2021 4:07:00 PM
cis-1,2-Dichloroethene	< 0.16	0.16		ug/m3	1	4/20/2021 4:07:00 PM
cis-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	4/20/2021 4:07:00 PM
Cyclohexane	< 0.52	0.52		ug/m3	1	4/20/2021 4:07:00 PM
Dibromochloromethane	< 1.3	1.3		ug/m3	1	4/20/2021 4:07:00 PM
Ethyl acetate	< 0.54	0.54		ug/m3	1	4/20/2021 4:07:00 PM
Ethylbenzene	0.61	0.65	J	ug/m3	1	4/20/2021 4:07:00 PM
Freon 11	1.3	0.84		ug/m3	1	4/20/2021 4:07:00 PM
Freon 113	< 1.1	1.1		ug/m3	1	4/20/2021 4:07:00 PM
Freon 114	< 1.0	1.0		ug/m3	1	4/20/2021 4:07:00 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

Centek Laboratories, LLC

Date: *05-May-21*

CLIENT:	LaBella Associates, P.C.	**Client Sample ID:**	IAQ-09 (4/15/21)
Lab Order:	C2104038	**Tag Number:**	1201,734
Project:	1500 Jefferson Road	**Collection Date:**	4/15/2021
Lab ID:	C2104038-001A	**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: **WD**
Freon 12	2.6	0.74		ug/m3	1	4/20/2021 4:07:00 PM
Heptane	6.1	6.1		ug/m3	10	4/21/2021 1:10:00 AM
Hexachloro-1,3-butadiene	< 1.6	1.6		ug/m3	1	4/20/2021 4:07:00 PM
Hexane	< 0.53	0.53		ug/m3	1	4/20/2021 4:07:00 PM
Isopropyl alcohol	1300	240		ug/m3	640	4/22/2021 12:18:00 PM
m&p-Xylene	2.0	1.3		ug/m3	1	4/20/2021 4:07:00 PM
Methyl Butyl Ketone	< 1.2	1.2		ug/m3	1	4/20/2021 4:07:00 PM
Methyl Ethyl Ketone	4.1	0.88		ug/m3	1	4/20/2021 4:07:00 PM
Methyl Isobutyl Ketone	0.70	1.2	J	ug/m3	1	4/20/2021 4:07:00 PM
Methyl tert-butyl ether	< 0.54	0.54		ug/m3	1	4/20/2021 4:07:00 PM
Methylene chloride	5.2	0.52		ug/m3	1	4/20/2021 4:07:00 PM
o-Xylene	0.87	0.65		ug/m3	1	4/20/2021 4:07:00 PM
Propylene	< 0.26	0.26		ug/m3	1	4/20/2021 4:07:00 PM
Styrene	< 0.64	0.64		ug/m3	1	4/20/2021 4:07:00 PM
Tetrachloroethylene	0.81	1.0	J	ug/m3	1	4/20/2021 4:07:00 PM
Tetrahydrofuran	< 0.44	0.44		ug/m3	1	4/20/2021 4:07:00 PM
Toluene	2.7	0.57		ug/m3	1	4/20/2021 4:07:00 PM
trans-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	4/20/2021 4:07:00 PM
trans-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	4/20/2021 4:07:00 PM
Trichloroethene	2.4	0.16		ug/m3	1	4/20/2021 4:07:00 PM
Vinyl acetate	< 0.53	0.53		ug/m3	1	4/20/2021 4:07:00 PM
Vinyl Bromide	< 0.66	0.66		ug/m3	1	4/20/2021 4:07:00 PM
Vinyl chloride	< 0.10	0.10		ug/m3	1	4/20/2021 4:07:00 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

Centek Laboratories, LLC

Date: *05-May-21*

CLIENT:	LaBella Associates, P.C.	**Client Sample ID:**	OA (4/15/21)
Lab Order:	C2104038	**Tag Number:**	550,271
Project:	1500 Jefferson Road	**Collection Date:**	4/15/2021
Lab ID:	C2104038-002A	**Matrix:**	AIR

Analyses	Result	DL	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		FLD				Analyst:
Lab Vacuum In	0			"Hg		4/16/2021
Lab Vacuum Out	-30			"Hg		4/16/2021
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		TO-15				Analyst: **WD**
1,1,1-Trichloroethane	< 0.15	0.15		ppbV	1	4/20/2021 6:36:00 PM
1,1,2,2-Tetrachloroethane	< 0.15	0.15		ppbV	1	4/20/2021 6:36:00 PM
1,1,2-Trichloroethane	< 0.15	0.15		ppbV	1	4/20/2021 6:36:00 PM
1,1-Dichloroethane	< 0.15	0.15		ppbV	1	4/20/2021 6:36:00 PM
1,1-Dichloroethene	< 0.040	0.040		ppbV	1	4/20/2021 6:36:00 PM
1,2,4-Trichlorobenzene	< 0.15	0.15		ppbV	1	4/20/2021 6:36:00 PM
1,2,4-Trimethylbenzene	< 0.15	0.15		ppbV	1	4/20/2021 6:36:00 PM
1,2-Dibromoethane	< 0.15	0.15		ppbV	1	4/20/2021 6:36:00 PM
1,2-Dichlorobenzene	< 0.15	0.15		ppbV	1	4/20/2021 6:36:00 PM
1,2-Dichloroethane	< 0.15	0.15		ppbV	1	4/20/2021 6:36:00 PM
1,2-Dichloropropane	< 0.15	0.15		ppbV	1	4/20/2021 6:36:00 PM
1,3,5-Trimethylbenzene	< 0.15	0.15		ppbV	1	4/20/2021 6:36:00 PM
1,3-butadiene	< 0.15	0.15		ppbV	1	4/20/2021 6:36:00 PM
1,3-Dichlorobenzene	< 0.15	0.15		ppbV	1	4/20/2021 6:36:00 PM
1,4-Dichlorobenzene	< 0.15	0.15		ppbV	1	4/20/2021 6:36:00 PM
1,4-Dioxane	< 0.30	0.30		ppbV	1	4/20/2021 6:36:00 PM
2,2,4-trimethylpentane	< 0.15	0.15		ppbV	1	4/20/2021 6:36:00 PM
4-ethyltoluene	< 0.15	0.15		ppbV	1	4/20/2021 6:36:00 PM
Acetone	6.5	3.0		ppbV	10	4/21/2021 1:53:00 AM
Allyl chloride	< 0.15	0.15		ppbV	1	4/20/2021 6:36:00 PM
Benzene	0.13	0.15	J	ppbV	1	4/20/2021 6:36:00 PM
Benzyl chloride	< 0.15	0.15		ppbV	1	4/20/2021 6:36:00 PM
Bromodichloromethane	< 0.15	0.15		ppbV	1	4/20/2021 6:36:00 PM
Bromoform	< 0.15	0.15		ppbV	1	4/20/2021 6:36:00 PM
Bromomethane	< 0.15	0.15		ppbV	1	4/20/2021 6:36:00 PM
Carbon disulfide	< 0.15	0.15		ppbV	1	4/20/2021 6:36:00 PM
Carbon tetrachloride	0.070	0.030		ppbV	1	4/20/2021 6:36:00 PM
Chlorobenzene	< 0.15	0.15		ppbV	1	4/20/2021 6:36:00 PM
Chloroethane	< 0.15	0.15		ppbV	1	4/20/2021 6:36:00 PM
Chloroform	< 0.15	0.15		ppbV	1	4/20/2021 6:36:00 PM
Chloromethane	0.40	0.15		ppbV	1	4/20/2021 6:36:00 PM
cis-1,2-Dichloroethene	< 0.040	0.040		ppbV	1	4/20/2021 6:36:00 PM
cis-1,3-Dichloropropene	< 0.15	0.15		ppbV	1	4/20/2021 6:36:00 PM
Cyclohexane	< 0.15	0.15		ppbV	1	4/20/2021 6:36:00 PM
Dibromochloromethane	< 0.15	0.15		ppbV	1	4/20/2021 6:36:00 PM
Ethyl acetate	0.14	0.15	J	ppbV	1	4/20/2021 6:36:00 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

Centek Laboratories, LLC

Date: *05-May-21*

CLIENT:	LaBella Associates, P.C.	**Client Sample ID:**	OA (4/15/21)
Lab Order:	C2104038	**Tag Number:**	550,271
Project:	1500 Jefferson Road	**Collection Date:**	4/15/2021
Lab ID:	C2104038-002A	**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: **WD**
Ethylbenzene	< 0.15	0.15		ppbV	1	4/20/2021 6:36:00 PM
Freon 11	0.18	0.15		ppbV	1	4/20/2021 6:36:00 PM
Freon 113	< 0.15	0.15		ppbV	1	4/20/2021 6:36:00 PM
Freon 114	< 0.15	0.15		ppbV	1	4/20/2021 6:36:00 PM
Freon 12	0.45	0.15		ppbV	1	4/20/2021 6:36:00 PM
Heptane	< 0.15	0.15		ppbV	1	4/20/2021 6:36:00 PM
Hexachloro-1,3-butadiene	< 0.15	0.15		ppbV	1	4/20/2021 6:36:00 PM
Hexane	< 0.15	0.15		ppbV	1	4/20/2021 6:36:00 PM
Isopropyl alcohol	3.6	1.5		ppbV	10	4/21/2021 1:53:00 AM
m&p-Xylene	< 0.30	0.30		ppbV	1	4/20/2021 6:36:00 PM
Methyl Butyl Ketone	< 0.30	0.30		ppbV	1	4/20/2021 6:36:00 PM
Methyl Ethyl Ketone	0.22	0.30	J	ppbV	1	4/20/2021 6:36:00 PM
Methyl Isobutyl Ketone	< 0.30	0.30		ppbV	1	4/20/2021 6:36:00 PM
Methyl tert-butyl ether	< 0.15	0.15		ppbV	1	4/20/2021 6:36:00 PM
Methylene chloride	0.25	0.15		ppbV	1	4/20/2021 6:36:00 PM
o-Xylene	< 0.15	0.15		ppbV	1	4/20/2021 6:36:00 PM
Propylene	< 0.15	0.15		ppbV	1	4/20/2021 6:36:00 PM
Styrene	< 0.15	0.15		ppbV	1	4/20/2021 6:36:00 PM
Tetrachloroethylene	< 0.15	0.15		ppbV	1	4/20/2021 6:36:00 PM
Tetrahydrofuran	< 0.15	0.15		ppbV	1	4/20/2021 6:36:00 PM
Toluene	0.16	0.15		ppbV	1	4/20/2021 6:36:00 PM
trans-1,2-Dichloroethene	< 0.15	0.15		ppbV	1	4/20/2021 6:36:00 PM
trans-1,3-Dichloropropene	< 0.15	0.15		ppbV	1	4/20/2021 6:36:00 PM
Trichloroethene	< 0.030	0.030		ppbV	1	4/20/2021 6:36:00 PM
Vinyl acetate	< 0.15	0.15		ppbV	1	4/20/2021 6:36:00 PM
Vinyl Bromide	< 0.15	0.15		ppbV	1	4/20/2021 6:36:00 PM
Vinyl chloride	< 0.040	0.040		ppbV	1	4/20/2021 6:36:00 PM
Surr: Bromofluorobenzene	90.0	47-124		%REC	1	4/20/2021 6:36:00 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

Centek Laboratories, LLC

Date: *05-May-21*

CLIENT:	LaBella Associates, P.C.	**Client Sample ID:**	OA (4/15/21)
Lab Order:	C2104038	**Tag Number:**	550,271
Project:	1500 Jefferson Road	**Collection Date:**	4/15/2021
Lab ID:	C2104038-002A	**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: **WD**
1,1,1-Trichloroethane	< 0.82	0.82		ug/m3	1	4/20/2021 6:36:00 PM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		ug/m3	1	4/20/2021 6:36:00 PM
1,1,2-Trichloroethane	< 0.82	0.82		ug/m3	1	4/20/2021 6:36:00 PM
1,1-Dichloroethane	< 0.61	0.61		ug/m3	1	4/20/2021 6:36:00 PM
1,1-Dichloroethene	< 0.16	0.16		ug/m3	1	4/20/2021 6:36:00 PM
1,2,4-Trichlorobenzene	< 1.1	1.1		ug/m3	1	4/20/2021 6:36:00 PM
1,2,4-Trimethylbenzene	< 0.74	0.74		ug/m3	1	4/20/2021 6:36:00 PM
1,2-Dibromoethane	< 1.2	1.2		ug/m3	1	4/20/2021 6:36:00 PM
1,2-Dichlorobenzene	< 0.90	0.90		ug/m3	1	4/20/2021 6:36:00 PM
1,2-Dichloroethane	< 0.61	0.61		ug/m3	1	4/20/2021 6:36:00 PM
1,2-Dichloropropane	< 0.69	0.69		ug/m3	1	4/20/2021 6:36:00 PM
1,3,5-Trimethylbenzene	< 0.74	0.74		ug/m3	1	4/20/2021 6:36:00 PM
1,3-butadiene	< 0.33	0.33		ug/m3	1	4/20/2021 6:36:00 PM
1,3-Dichlorobenzene	< 0.90	0.90		ug/m3	1	4/20/2021 6:36:00 PM
1,4-Dichlorobenzene	< 0.90	0.90		ug/m3	1	4/20/2021 6:36:00 PM
1,4-Dioxane	< 1.1	1.1		ug/m3	1	4/20/2021 6:36:00 PM
2,2,4-trimethylpentane	< 0.70	0.70		ug/m3	1	4/20/2021 6:36:00 PM
4-ethyltoluene	< 0.74	0.74		ug/m3	1	4/20/2021 6:36:00 PM
Acetone	15	7.1		ug/m3	10	4/21/2021 1:53:00 AM
Allyl chloride	< 0.47	0.47		ug/m3	1	4/20/2021 6:36:00 PM
Benzene	0.42	0.48	J	ug/m3	1	4/20/2021 6:36:00 PM
Benzyl chloride	< 0.86	0.86		ug/m3	1	4/20/2021 6:36:00 PM
Bromodichloromethane	< 1.0	1.0		ug/m3	1	4/20/2021 6:36:00 PM
Bromoform	< 1.6	1.6		ug/m3	1	4/20/2021 6:36:00 PM
Bromomethane	< 0.58	0.58		ug/m3	1	4/20/2021 6:36:00 PM
Carbon disulfide	< 0.47	0.47		ug/m3	1	4/20/2021 6:36:00 PM
Carbon tetrachloride	0.44	0.19		ug/m3	1	4/20/2021 6:36:00 PM
Chlorobenzene	< 0.69	0.69		ug/m3	1	4/20/2021 6:36:00 PM
Chloroethane	< 0.40	0.40		ug/m3	1	4/20/2021 6:36:00 PM
Chloroform	< 0.73	0.73		ug/m3	1	4/20/2021 6:36:00 PM
Chloromethane	0.83	0.31		ug/m3	1	4/20/2021 6:36:00 PM
cis-1,2-Dichloroethene	< 0.16	0.16		ug/m3	1	4/20/2021 6:36:00 PM
cis-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	4/20/2021 6:36:00 PM
Cyclohexane	< 0.52	0.52		ug/m3	1	4/20/2021 6:36:00 PM
Dibromochloromethane	< 1.3	1.3		ug/m3	1	4/20/2021 6:36:00 PM
Ethyl acetate	0.50	0.54	J	ug/m3	1	4/20/2021 6:36:00 PM
Ethylbenzene	< 0.65	0.65		ug/m3	1	4/20/2021 6:36:00 PM
Freon 11	1.0	0.84		ug/m3	1	4/20/2021 6:36:00 PM
Freon 113	< 1.1	1.1		ug/m3	1	4/20/2021 6:36:00 PM
Freon 114	< 1.0	1.0		ug/m3	1	4/20/2021 6:36:00 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

Centek Laboratories, LLC

Date: *05-May-21*

CLIENT:	LaBella Associates, P.C.	**Client Sample ID:**	OA (4/15/21)
Lab Order:	C2104038	**Tag Number:**	550,271
Project:	1500 Jefferson Road	**Collection Date:**	4/15/2021
Lab ID:	C2104038-002A	**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: **WD**
Freon 12	2.2	0.74		ug/m3	1	4/20/2021 6:36:00 PM
Heptane	< 0.61	0.61		ug/m3	1	4/20/2021 6:36:00 PM
Hexachloro-1,3-butadiene	< 1.6	1.6		ug/m3	1	4/20/2021 6:36:00 PM
Hexane	< 0.53	0.53		ug/m3	1	4/20/2021 6:36:00 PM
Isopropyl alcohol	6.8	3.7		ug/m3	10	4/21/2021 1:53:00 AM
m&p-Xylene	< 1.3	1.3		ug/m3	1	4/20/2021 6:36:00 PM
Methyl Butyl Ketone	< 1.2	1.2		ug/m3	1	4/20/2021 6:36:00 PM
Methyl Ethyl Ketone	0.65	0.88	J	ug/m3	1	4/20/2021 6:36:00 PM
Methyl Isobutyl Ketone	< 1.2	1.2		ug/m3	1	4/20/2021 6:36:00 PM
Methyl tert-butyl ether	< 0.54	0.54		ug/m3	1	4/20/2021 6:36:00 PM
Methylene chloride	0.87	0.52		ug/m3	1	4/20/2021 6:36:00 PM
o-Xylene	< 0.65	0.65		ug/m3	1	4/20/2021 6:36:00 PM
Propylene	< 0.26	0.26		ug/m3	1	4/20/2021 6:36:00 PM
Styrene	< 0.64	0.64		ug/m3	1	4/20/2021 6:36:00 PM
Tetrachloroethylene	< 1.0	1.0		ug/m3	1	4/20/2021 6:36:00 PM
Tetrahydrofuran	< 0.44	0.44		ug/m3	1	4/20/2021 6:36:00 PM
Toluene	0.60	0.57		ug/m3	1	4/20/2021 6:36:00 PM
trans-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	4/20/2021 6:36:00 PM
trans-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	4/20/2021 6:36:00 PM
Trichloroethene	< 0.16	0.16		ug/m3	1	4/20/2021 6:36:00 PM
Vinyl acetate	< 0.53	0.53		ug/m3	1	4/20/2021 6:36:00 PM
Vinyl Bromide	< 0.66	0.66		ug/m3	1	4/20/2021 6:36:00 PM
Vinyl chloride	< 0.10	0.10		ug/m3	1	4/20/2021 6:36:00 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

Centek Laboratories, LLC

Date: *05-May-21*

CLIENT:	LaBella Associates, P.C.	**Client Sample ID:**	Dupe (4/15/21)
Lab Order:	C2104038	**Tag Number:**	550,271
Project:	1500 Jefferson Road	**Collection Date:**	4/15/2021
Lab ID:	C2104038-003A	**Matrix:**	AIR

Analyses	Result	DL	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		FLD				Analyst:
Lab Vacuum In	0			"Hg		4/16/2021
Lab Vacuum Out	-30			"Hg		4/16/2021
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		TO-15				Analyst: **WD**
1,1,1-Trichloroethane	< 0.15	0.15		ppbV	1	4/20/2021 7:20:00 PM
1,1,2,2-Tetrachloroethane	< 0.15	0.15		ppbV	1	4/20/2021 7:20:00 PM
1,1,2-Trichloroethane	< 0.15	0.15		ppbV	1	4/20/2021 7:20:00 PM
1,1-Dichloroethane	< 0.15	0.15		ppbV	1	4/20/2021 7:20:00 PM
1,1-Dichloroethene	< 0.040	0.040		ppbV	1	4/20/2021 7:20:00 PM
1,2,4-Trichlorobenzene	< 0.15	0.15		ppbV	1	4/20/2021 7:20:00 PM
1,2,4-Trimethylbenzene	< 0.15	0.15		ppbV	1	4/20/2021 7:20:00 PM
1,2-Dibromoethane	< 0.15	0.15		ppbV	1	4/20/2021 7:20:00 PM
1,2-Dichlorobenzene	< 0.15	0.15		ppbV	1	4/20/2021 7:20:00 PM
1,2-Dichloroethane	< 0.15	0.15		ppbV	1	4/20/2021 7:20:00 PM
1,2-Dichloropropane	< 0.15	0.15		ppbV	1	4/20/2021 7:20:00 PM
1,3,5-Trimethylbenzene	< 0.15	0.15		ppbV	1	4/20/2021 7:20:00 PM
1,3-butadiene	< 0.15	0.15		ppbV	1	4/20/2021 7:20:00 PM
1,3-Dichlorobenzene	< 0.15	0.15		ppbV	1	4/20/2021 7:20:00 PM
1,4-Dichlorobenzene	< 0.15	0.15		ppbV	1	4/20/2021 7:20:00 PM
1,4-Dioxane	< 0.30	0.30		ppbV	1	4/20/2021 7:20:00 PM
2,2,4-trimethylpentane	< 0.15	0.15		ppbV	1	4/20/2021 7:20:00 PM
4-ethyltoluene	< 0.15	0.15		ppbV	1	4/20/2021 7:20:00 PM
Acetone	5.9	3.0		ppbV	10	4/21/2021 2:36:00 AM
Allyl chloride	< 0.15	0.15		ppbV	1	4/20/2021 7:20:00 PM
Benzene	0.13	0.15	J	ppbV	1	4/20/2021 7:20:00 PM
Benzyl chloride	< 0.15	0.15		ppbV	1	4/20/2021 7:20:00 PM
Bromodichloromethane	< 0.15	0.15		ppbV	1	4/20/2021 7:20:00 PM
Bromoform	< 0.15	0.15		ppbV	1	4/20/2021 7:20:00 PM
Bromomethane	< 0.15	0.15		ppbV	1	4/20/2021 7:20:00 PM
Carbon disulfide	< 0.15	0.15		ppbV	1	4/20/2021 7:20:00 PM
Carbon tetrachloride	0.080	0.030		ppbV	1	4/20/2021 7:20:00 PM
Chlorobenzene	< 0.15	0.15		ppbV	1	4/20/2021 7:20:00 PM
Chloroethane	< 0.15	0.15		ppbV	1	4/20/2021 7:20:00 PM
Chloroform	< 0.15	0.15		ppbV	1	4/20/2021 7:20:00 PM
Chloromethane	0.37	0.15		ppbV	1	4/20/2021 7:20:00 PM
cis-1,2-Dichloroethene	< 0.040	0.040		ppbV	1	4/20/2021 7:20:00 PM
cis-1,3-Dichloropropene	< 0.15	0.15		ppbV	1	4/20/2021 7:20:00 PM
Cyclohexane	< 0.15	0.15		ppbV	1	4/20/2021 7:20:00 PM
Dibromochloromethane	< 0.15	0.15		ppbV	1	4/20/2021 7:20:00 PM
Ethyl acetate	0.18	0.15		ppbV	1	4/20/2021 7:20:00 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

Centek Laboratories, LLC

Date: *05-May-21*

CLIENT:	LaBella Associates, P.C.	**Client Sample ID:**	Dupe (4/15/21)
Lab Order:	C2104038	**Tag Number:**	550.271
Project:	1500 Jefferson Road	**Collection Date:**	4/15/2021
Lab ID:	C2104038-003A	**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: **WD**
Ethylbenzene	< 0.15	0.15		ppbV	1	4/20/2021 7:20:00 PM
Freon 11	0.18	0.15		ppbV	1	4/20/2021 7:20:00 PM
Freon 113	< 0.15	0.15		ppbV	1	4/20/2021 7:20:00 PM
Freon 114	< 0.15	0.15		ppbV	1	4/20/2021 7:20:00 PM
Freon 12	0.48	0.15		ppbV	1	4/20/2021 7:20:00 PM
Heptane	< 0.15	0.15		ppbV	1	4/20/2021 7:20:00 PM
Hexachloro-1,3-butadiene	< 0.15	0.15		ppbV	1	4/20/2021 7:20:00 PM
Hexane	< 0.15	0.15		ppbV	1	4/20/2021 7:20:00 PM
Isopropyl alcohol	2.8	1.5		ppbV	10	4/21/2021 2:36:00 AM
m&p-Xylene	< 0.30	0.30		ppbV	1	4/20/2021 7:20:00 PM
Methyl Butyl Ketone	< 0.30	0.30		ppbV	1	4/20/2021 7:20:00 PM
Methyl Ethyl Ketone	0.25	0.30	J	ppbV	1	4/20/2021 7:20:00 PM
Methyl Isobutyl Ketone	< 0.30	0.30		ppbV	1	4/20/2021 7:20:00 PM
Methyl tert-butyl ether	< 0.15	0.15		ppbV	1	4/20/2021 7:20:00 PM
Methylene chloride	0.27	0.15		ppbV	1	4/20/2021 7:20:00 PM
o-Xylene	< 0.15	0.15		ppbV	1	4/20/2021 7:20:00 PM
Propylene	< 0.15	0.15		ppbV	1	4/20/2021 7:20:00 PM
Styrene	< 0.15	0.15		ppbV	1	4/20/2021 7:20:00 PM
Tetrachloroethylene	< 0.15	0.15		ppbV	1	4/20/2021 7:20:00 PM
Tetrahydrofuran	< 0.15	0.15		ppbV	1	4/20/2021 7:20:00 PM
Toluene	0.15	0.15		ppbV	1	4/20/2021 7:20:00 PM
trans-1,2-Dichloroethene	< 0.15	0.15		ppbV	1	4/20/2021 7:20:00 PM
trans-1,3-Dichloropropene	< 0.15	0.15		ppbV	1	4/20/2021 7:20:00 PM
Trichloroethene	< 0.030	0.030		ppbV	1	4/20/2021 7:20:00 PM
Vinyl acetate	< 0.15	0.15		ppbV	1	4/20/2021 7:20:00 PM
Vinyl Bromide	< 0.15	0.15		ppbV	1	4/20/2021 7:20:00 PM
Vinyl chloride	< 0.040	0.040		ppbV	1	4/20/2021 7:20:00 PM
Surr: Bromofluorobenzene	88.0	47-124		%REC	1	4/20/2021 7:20:00 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

Centek Laboratories, LLC

Date: *05-May-21*

CLIENT: LaBella Associates, P.C.
Lab Order: C2104038
Project: 1500 Jefferson Road
Lab ID: C2104038-003A

Client Sample ID: Dupe (4/15/21)
Tag Number: 550,271
Collection Date: 4/15/2021
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: **WD**
1,1,1-Trichloroethane	< 0.82	0.82		ug/m3	1	4/20/2021 7:20:00 PM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		ug/m3	1	4/20/2021 7:20:00 PM
1,1,2-Trichloroethane	< 0.82	0.82		ug/m3	1	4/20/2021 7:20:00 PM
1,1-Dichloroethane	< 0.61	0.61		ug/m3	1	4/20/2021 7:20:00 PM
1,1-Dichloroethene	< 0.16	0.16		ug/m3	1	4/20/2021 7:20:00 PM
1,2,4-Trichlorobenzene	< 1.1	1.1		ug/m3	1	4/20/2021 7:20:00 PM
1,2,4-Trimethylbenzene	< 0.74	0.74		ug/m3	1	4/20/2021 7:20:00 PM
1,2-Dibromoethane	< 1.2	1.2		ug/m3	1	4/20/2021 7:20:00 PM
1,2-Dichlorobenzene	< 0.90	0.90		ug/m3	1	4/20/2021 7:20:00 PM
1,2-Dichloroethane	< 0.61	0.61		ug/m3	1	4/20/2021 7:20:00 PM
1,2-Dichloropropane	< 0.69	0.69		ug/m3	1	4/20/2021 7:20:00 PM
1,3,5-Trimethylbenzene	< 0.74	0.74		ug/m3	1	4/20/2021 7:20:00 PM
1,3-butadiene	< 0.33	0.33		ug/m3	1	4/20/2021 7:20:00 PM
1,3-Dichlorobenzene	< 0.90	0.90		ug/m3	1	4/20/2021 7:20:00 PM
1,4-Dichlorobenzene	< 0.90	0.90		ug/m3	1	4/20/2021 7:20:00 PM
1,4-Dioxane	< 1.1	1.1		ug/m3	1	4/20/2021 7:20:00 PM
2,2,4-trimethylpentane	< 0.70	0.70		ug/m3	1	4/20/2021 7:20:00 PM
4-ethyltoluene	< 0.74	0.74		ug/m3	1	4/20/2021 7:20:00 PM
Acetone	14	7.1		ug/m3	10	4/21/2021 2:36:00 AM
Allyl chloride	< 0.47	0.47		ug/m3	1	4/20/2021 7:20:00 PM
Benzene	0.42	0.48	J	ug/m3	1	4/20/2021 7:20:00 PM
Benzyl chloride	< 0.86	0.86		ug/m3	1	4/20/2021 7:20:00 PM
Bromodichloromethane	< 1.0	1.0		ug/m3	1	4/20/2021 7:20:00 PM
Bromoform	< 1.6	1.6		ug/m3	1	4/20/2021 7:20:00 PM
Bromomethane	< 0.58	0.58		ug/m3	1	4/20/2021 7:20:00 PM
Carbon disulfide	< 0.47	0.47		ug/m3	1	4/20/2021 7:20:00 PM
Carbon tetrachloride	0.50	0.19		ug/m3	1	4/20/2021 7:20:00 PM
Chlorobenzene	< 0.69	0.69		ug/m3	1	4/20/2021 7:20:00 PM
Chloroethane	< 0.40	0.40		ug/m3	1	4/20/2021 7:20:00 PM
Chloroform	< 0.73	0.73		ug/m3	1	4/20/2021 7:20:00 PM
Chloromethane	0.76	0.31		ug/m3	1	4/20/2021 7:20:00 PM
cis-1,2-Dichloroethene	< 0.16	0.16		ug/m3	1	4/20/2021 7:20:00 PM
cis-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	4/20/2021 7:20:00 PM
Cyclohexane	< 0.52	0.52		ug/m3	1	4/20/2021 7:20:00 PM
Dibromochloromethane	< 1.3	1.3		ug/m3	1	4/20/2021 7:20:00 PM
Ethyl acetate	0.65	0.54		ug/m3	1	4/20/2021 7:20:00 PM
Ethylbenzene	< 0.65	0.65		ug/m3	1	4/20/2021 7:20:00 PM
Freon 11	1.0	0.84		ug/m3	1	4/20/2021 7:20:00 PM
Freon 113	< 1.1	1.1		ug/m3	1	4/20/2021 7:20:00 PM
Freon 114	< 1.0	1.0		ug/m3	1	4/20/2021 7:20:00 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

Centek Laboratories, LLC

Date: *05-May-21*

CLIENT:	LaBella Associates, P.C.	**Client Sample ID:**	Dupe (4/15/21)
Lab Order:	C2104038	**Tag Number:**	550,271
Project:	1500 Jefferson Road	**Collection Date:**	4/15/2021
Lab ID:	C2104038-003A	**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: **WD**
Freon 12	2.4	0.74		ug/m3	1	4/20/2021 7:20:00 PM
Heptane	< 0.61	0.61		ug/m3	1	4/20/2021 7:20:00 PM
Hexachloro-1,3-butadiene	< 1.6	1.6		ug/m3	1	4/20/2021 7:20:00 PM
Hexane	< 0.53	0.53		ug/m3	1	4/20/2021 7:20:00 PM
Isopropyl alcohol	6.9	3.7		ug/m3	10	4/21/2021 2:36:00 AM
m&p-Xylene	< 1.3	1.3		ug/m3	1	4/20/2021 7:20:00 PM
Methyl Butyl Ketone	< 1.2	1.2		ug/m3	1	4/20/2021 7:20:00 PM
Methyl Ethyl Ketone	0.74	0.88	J	ug/m3	1	4/20/2021 7:20:00 PM
Methyl Isobutyl Ketone	< 1.2	1.2		ug/m3	1	4/20/2021 7:20:00 PM
Methyl tert-butyl ether	< 0.54	0.54		ug/m3	1	4/20/2021 7:20:00 PM
Methylene chloride	0.94	0.52		ug/m3	1	4/20/2021 7:20:00 PM
o-Xylene	< 0.65	0.65		ug/m3	1	4/20/2021 7:20:00 PM
Propylene	< 0.26	0.26		ug/m3	1	4/20/2021 7:20:00 PM
Styrene	< 0.64	0.64		ug/m3	1	4/20/2021 7:20:00 PM
Tetrachloroethylene	< 1.0	1.0		ug/m3	1	4/20/2021 7:20:00 PM
Tetrahydrofuran	< 0.44	0.44		ug/m3	1	4/20/2021 7:20:00 PM
Toluene	0.57	0.57		ug/m3	1	4/20/2021 7:20:00 PM
trans-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	4/20/2021 7:20:00 PM
trans-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	4/20/2021 7:20:00 PM
Trichloroethene	< 0.16	0.16		ug/m3	1	4/20/2021 7:20:00 PM
Vinyl acetate	< 0.53	0.53		ug/m3	1	4/20/2021 7:20:00 PM
Vinyl Bromide	< 0.66	0.66		ug/m3	1	4/20/2021 7:20:00 PM
Vinyl chloride	< 0.10	0.10		ug/m3	1	4/20/2021 7:20:00 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

GC/MS VOLATILES-WHOLE AIR

METHOD TO-15

QUALITY CONTROL SUMMARY

Date: 05-May-21

CENTEK LABORATORIES, LLC

QC SUMMARY REPORT
SURROGATE RECOVERIES

CLIENT: LaBella Associates, P.C.
Work Order: C2104038
Project: 1500 Jefferson Road
Test No: TO-15 **Matrix:** A

Sample ID	BR4FBZ
ALCS1UG-042021	100
ALCS1UG-042121	109
ALCS1UGD-042021	105
ALCS1UGD-042121	113
AMB1UG-042021	85.0
AMB1UG-042121	83.0
C2104038-001A	98.0
C2104038-001A MS	105
C2104038-001A MSD	102
C2104038-002A	90.0
C2104038-003A	88.0

Acronym		Surrogate	QC Limits
BR4FBZ	=	Bromofluorobenzene	47-124

* Surrogate recovery outside acceptance limits

GC/MS QA QC Check Report

Tune File : C:\HPCHEM\1\DATA\AS042003.D
Tune Time : 20 Apr 2021 12:26 pm

Daily Calibration File : C:\HPCHEM\1\DATA\AS042003.D

			(BFB)	(IS1)	(IS2)	(IS3)
				88615	332579	332258
File	Sample	DL	Surrogate Recovery %	Internal Standard Responses		
AS042004.D	ALCS1UG-042021		100	89217	335385	333942
AS042005.D	AMB1UG-042021		85	86444	320122	323571
AS042007.D	C2104038-001A		98	92259	348627	334135
AS042008.D	C2104038-001A	MS	105	107899	407153	386676
AS042009.D	C2104038-001A	MSD	102	111144	451492	430231
AS042010.D	C2104038-002A		90	101326	375861	353897
AS042011.D	C2104038-003A		88	95695	354558	329868
AS042017.D	ALCS1UGD-042021		105	97213	368856	344102
AS042019.D	C2104038-001A	10X	87	81361	300083	272194
AS042020.D	C2104038-002A	10X	81	80601	288527	262272
AS042021.D	C2104038-003A	10X	80	76420	264345	242622

t - fails 24hr time check * - fails criteria

Created: Wed May 05 08:23:24 2021 MSD #1/

GC/MS QA QC Check Report

Tune File : C:\HPCHEM\1\DATA\AS042104.D
Tune Time : 21 Apr 2021 1:25 pm

Daily Calibration File : C:\HPCHEM\1\DATA\AS042104.D

File	Sample	DL	Surrogate Recovery % (BFB)	Internal Standard Responses (IS1) 77252	(IS2) 278971	(IS3) 254056
AS042105.D	ALCS1UG-042121		109	79503	273664	255437
AS042106.D	AMB1UG-042121		83	77342	284883	248281
AS042108.D	C2104038-001A	320X	84	79111	276892	240178
AS042117.D	ALCS1UGD-042121		113	80819	281357	267874
AS042122.D	C2104038-001A	640X	72	75659	262644	262673

t - fails 24hr time check * - fails criteria

Created: Wed May 05 08:24:48 2021 MSD #1/

CENTEK LABORATORIES, LLC

Date: *05-May-21*

ANALYTICAL QC SUMMARY REPORT

CLIENT: LaBella Associates, P.C.
Work Order: C2104038
Project: 1500 Jefferson Road

TestCode: 0.20_NYS

Sample ID: **AMB1UG-042021** SampType: **MBLK** TestCode: **0.20_NYS** Units: **ppbV** Prep Date: RunNo: **17523**
Client ID: **ZZZZZ** Batch ID: **R17523** TestNo: **TO-15** Analysis Date: **4/20/2021** SeqNo: **198926**

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		

CLIENT: LaBella Associates, P.C.
Work Order: C2104038
Project: 1500 Jefferson Road

TestCode: 0.20_NYS

Sample ID: AMB1UG-042021	SampType: MBLK	TestCode: 0.20_NYS	Units: ppbV	Prep Date:	RunNo: 17523
Client ID: ZZZZZ	Batch ID: R17523	TestNo: TO-15		Analysis Date: 4/20/2021	SeqNo: 198926

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	0.1100	0.15									J
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:

.	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: LaBella Associates, P.C.
Work Order: C2104038
Project: 1500 Jefferson Road **TestCode: 0.20_NYS**

Sample ID: **AMB1UG-042021** SampType: **MBLK** TestCode: **0.20_NYS** Units: **ppbV** Prep Date: RunNo: **17523**
Client ID: **ZZZZZ** Batch ID: **R17523** TestNo: **TO-15** Analysis Date: **4/20/2021** SeqNo: **198926**

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-042121** SampType: **MBLK** TestCode: **0.20_NYS** Units: **ppbV** Prep Date: RunNo: **17524**
Client ID: **ZZZZZ** Batch ID: **R17524** TestNo: **TO-15** Analysis Date: **4/21/2021** SeqNo: **198943**

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: LaBella Associates, P.C.
Work Order: C2104038
Project: 1500 Jefferson Road

TestCode: 0.20_NYS

Sample ID: **AMB1UG-042121** SampType: **MBLK** TestCode: **0.20_NYS** Units: **ppbV** Prep Date: RunNo: **17524**
Client ID: **ZZZZZ** Batch ID: **R17524** TestNo: **TO-15** Analysis Date: **4/21/2021** SeqNo: **198943**

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
- J 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: LaBella Associates, P.C.
Work Order: C2104038
Project: 1500 Jefferson Road

TestCode: 0.20_NYS

Sample ID: AMB1UG-042121	SampType: MBLK	TestCode: 0.20_NYS	Units: ppbV	Prep Date:	RunNo: 17524
Client ID: ZZZZZ	Batch ID: R17524	TestNo: TO-15		Analysis Date: 4/21/2021	SeqNo: 198943

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:

.	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		

Date: *05-May-21*

CENTEK LABORATORIES, LLC

ANALYTICAL QC SUMMARY REPORT

CLIENT: LaBella Associates, P.C.
Work Order: C2104038
Project: 1500 Jefferson Road

TestCode: 0.20_NYS

Sample ID: ALCS1UG-042021 SampType: LCS TestCode: 0.20_NYS Units: ppbV Prep Date: RunNo: 17523
Client ID: ZZZZZ Batch ID: R17523 TestNo: TO-15 Analysis Date: 4/20/2021 SeqNo: 198927

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	1.120	0.15	1	0	112	91.3	127				
1,1,2,2-Tetrachloroethane	1.080	0.15	1	0	108	78.7	121				
1,1,2-Trichloroethane	1.080	0.15	1	0	108	88.1	136				
1,1-Dichloroethane	1.090	0.15	1	0	109	86.1	123				
1,1-Dichloroethene	0.9900	0.040	1	0	99.0	70	94				S
1,2,4-Trichlorobenzene	1.250	0.15	1	0	125	76.7	112				S
1,2,4-Trimethylbenzene	1.140	0.15	1	0	114	74.3	123				
1,2-Dibromoethane	1.060	0.15	1	0	106	80.4	125				
1,2-Dichlorobenzene	1.030	0.15	1	0	103	79.5	143				
1,2-Dichloroethane	1.120	0.15	1	0	112	70.9	133				
1,2-Dichloropropane	1.050	0.15	1	0	105	91	134				
1,3,5-Trimethylbenzene	1.100	0.15	1	0	110	77.4	138				
1,3-butadiene	0.9900	0.15	1	0	99.0	71	144				
1,3-Dichlorobenzene	1.070	0.15	1	0	107	84.7	128				
1,4-Dichlorobenzene	1.140	0.15	1	0	114	77.9	131				
1,4-Dioxane	1.090	0.30	1	0	109	85.1	135				
2,2,4-trimethylpentane	1.060	0.15	1	0	106	86.9	126				
4-ethyltoluene	1.100	0.15	1	0	110	77.5	133				
Acetone	0.7600	0.30	1	0	76.0	80.2	145				S
Allyl chloride	1.110	0.15	1	0	111	86.6	117				
Benzene	1.090	0.15	1	0	109	88.9	122				
Benzyl chloride	1.290	0.15	1	0	129	73.6	120				S
Bromodichloromethane	1.130	0.15	1	0	113	84.3	133				
Bromoform	1.050	0.15	1	0	105	44.6	149				
Bromomethane	1.080	0.15	1	0	108	78.7	144				

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
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: LaBella Associates, P.C.
Work Order: C2104038
Project: 1500 Jefferson Road

TestCode: 0.20_NYS

Sample ID: **ALCS1UG-042021** SampType: **LCS** TestCode: **0.20_NYS** Units: **ppbV** Prep Date: RunNo: **17523**
Client ID: **ZZZZZ** Batch ID: **R17523** TestNo: **TO-15** Analysis Date: **4/20/2021** SeqNo: **198927**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Carbon disulfide	1.210	0.15	1	0	121	76.9	109				S
Carbon tetrachloride	1.120	0.030	1	0	112	71	120				
Chlorobenzene	1.030	0.15	1	0	103	82.6	121				
Chloroethane	1.020	0.15	1	0	102	67.1	146				
Chloroform	1.090	0.15	1	0	109	82.5	125				
Chloromethane	1.000	0.15	1	0	100	71.1	154				
cis-1,2-Dichloroethene	1.050	0.040	1	0	105	71.2	112				
cis-1,3-Dichloropropene	1.110	0.15	1	0	111	90.3	137				
Cyclohexane	1.070	0.15	1	0	107	87	122				
Dibromochloromethane	1.080	0.15	1	0	108	62.8	132				
Ethyl acetate	1.150	0.15	1	0	115	86.9	134				
Ethylbenzene	1.100	0.15	1	0	110	76.9	123				
Freon 11	1.010	0.15	1	0	101	54.4	150				
Freon 113	1.100	0.15	1	0	110	83.4	124				
Freon 114	1.070	0.15	1	0	107	82.4	144				
Freon 12	1.110	0.15	1	0	111	86.3	135				
Heptane	1.100	0.15	1	0	110	86.5	137				
Hexachloro-1,3-butadiene	1.200	0.15	1	0	120	78.7	120				
Hexane	1.090	0.15	1	0	109	77.3	128				
Isopropyl alcohol	0.9900	0.15	1	0	99.0	80.2	122				
m&p-Xylene	2.210	0.30	2	0	110	77.9	132				
Methyl Butyl Ketone	1.080	0.30	1	0	108	69.4	131				
Methyl Ethyl Ketone	1.080	0.30	1	0	108	71.5	117				
Methyl Isobutyl Ketone	1.080	0.30	1	0	108	63.5	141				
Methyl tert-butyl ether	1.080	0.15	1	0	108	80.8	113				
Methylene chloride	1.210	0.15	1	0.11	110	87.8	123				
o-Xylene	1.090	0.15	1	0	109	80.5	139				
Propylene	1.080	0.15	1	0	108	96.2	135				
Styrene	1.070	0.15	1	0	107	82.7	138				
Tetrachloroethylene	1.050	0.15	1	0	105	85.9	122				
Tetrahydrofuran	1.070	0.15	1	0	107	65.5	134				

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
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: LaBella Associates, P.C.
Work Order: C2104038
Project: 1500 Jefferson Road

TestCode: 0.20_NYS

Sample ID: ALCS1UG-042021	SampType: LCS	TestCode: 0.20_NYS	Units: ppbV	Prep Date:	RunNo: 17523
Client ID: ZZZZZ	Batch ID: R17523	TestNo: TO-15		Analysis Date: 4/20/2021	SeqNo: 198927

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	1.080	0.15	1	0	108	77.8	127				
trans-1,2-Dichloroethene	1.070	0.15	1	0	107	83.3	116				
trans-1,3-Dichloropropene	1.150	0.15	1	0	115	84.8	134				
Trichloroethene	1.060	0.030	1	0	106	79.3	117				
Vinyl acetate	1.070	0.15	1	0	107	70.5	101				S
Vinyl Bromide	1.030	0.15	1	0	103	81.4	142				
Vinyl chloride	0.9800	0.040	1	0	98.0	70.4	138				

Sample ID: ALCS1UG-042121	SampType: LCS	TestCode: 0.20_NYS	Units: ppbV	Prep Date:	RunNo: 17524
Client ID: ZZZZZ	Batch ID: R17524	TestNo: TO-15		Analysis Date: 4/21/2021	SeqNo: 198944

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	1.240	0.15	1	0	124	91.3	127				
1,1,2,2-Tetrachloroethane	1.220	0.15	1	0	122	78.7	121				S
1,1,2-Trichloroethane	1.180	0.15	1	0	118	88.1	136				
1,1-Dichloroethane	1.110	0.15	1	0	111	86.1	123				
1,1-Dichloroethene	0.9700	0.040	1	0	97.0	70	94				S
1,2,4-Trichlorobenzene	1.500	0.15	1	0	150	76.7	112				S
1,2,4-Trimethylbenzene	1.200	0.15	1	0	120	74.3	123				
1,2-Dibromoethane	1.190	0.15	1	0	119	80.4	125				
1,2-Dichlorobenzene	1.350	0.15	1	0	135	79.5	143				
1,2-Dichloroethane	1.120	0.15	1	0	112	70.9	133				
1,2-Dichloropropane	1.210	0.15	1	0	121	91	134				
1,3,5-Trimethylbenzene	1.280	0.15	1	0	128	77.4	138				
1,3-butadiene	1.070	0.15	1	0	107	71	144				
1,3-Dichlorobenzene	1.230	0.15	1	0	123	84.7	128				
1,4-Dichlorobenzene	1.290	0.15	1	0	129	77.9	131				
1,4-Dioxane	1.220	0.30	1	0	122	85.1	135				
2,2,4-trimethylpentane	1.170	0.15	1	0	117	86.9	126				
4-ethyltoluene	1.270	0.15	1	0	127	77.5	133				

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: LaBella Associates, P.C.
Work Order: C2104038
Project: 1500 Jefferson Road

TestCode: 0.20_NYS

Sample ID: **ALCS1UG-042121** SampType: **LCS** TestCode: **0.20_NYS** Units: **ppbV** Prep Date: RunNo: **17524**
Client ID: **ZZZZZ** Batch ID: **R17524** TestNo: **TO-15** Analysis Date: **4/21/2021** SeqNo: **198944**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acetone	1.110	0.30	1	0	111	80.2	145				
Allyl chloride	1.110	0.15	1	0	111	86.6	117				
Benzene	1.130	0.15	1	0	113	88.9	122				
Benzyl chloride	1.400	0.15	1	0	140	73.6	120				S
Bromodichloromethane	1.230	0.15	1	0	123	84.3	133				
Bromoform	1.170	0.15	1	0	117	44.6	149				
Bromomethane	1.110	0.15	1	0	111	78.7	144				
Carbon disulfide	1.120	0.15	1	0	112	76.9	109				S
Carbon tetrachloride	1.240	0.030	1	0	124	71	120				S
Chlorobenzene	1.150	0.15	1	0	115	82.6	121				
Chloroethane	1.070	0.15	1	0	107	67.1	146				
Chloroform	1.110	0.15	1	0	111	82.5	125				
Chloromethane	1.020	0.15	1	0	102	71.1	154				
cis-1,2-Dichloroethene	1.050	0.040	1	0	105	71.2	112				
cis-1,3-Dichloropropene	1.220	0.15	1	0	122	90.3	137				
Cyclohexane	1.140	0.15	1	0	114	87	122				
Dibromochloromethane	1.230	0.15	1	0	123	62.8	132				
Ethyl acetate	1.130	0.15	1	0	113	86.9	134				
Ethylbenzene	1.190	0.15	1	0	119	76.9	123				
Freon 11	1.180	0.15	1	0	118	54.4	150				
Freon 113	1.130	0.15	1	0	113	83.4	124				
Freon 114	1.120	0.15	1	0	112	82.4	144				
Freon 12	1.170	0.15	1	0	117	86.3	135				
Heptane	1.200	0.15	1	0	120	86.5	137				
Hexachloro-1,3-butadiene	1.500	0.15	1	0	150	78.7	120				S
Hexane	1.080	0.15	1	0	108	77.3	128				
Isopropyl alcohol	1.190	0.15	1	0	119	80.2	122				
m&p-Xylene	2.550	0.30	2	0	128	77.9	132				
Methyl Butyl Ketone	1.190	0.30	1	0	119	69.4	131				
Methyl Ethyl Ketone	1.050	0.30	1	0	105	71.5	117				
Methyl Isobutyl Ketone	1.200	0.30	1	0	120	63.5	141				

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
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: LaBella Associates, P.C.
Work Order: C2104038
Project: 1500 Jefferson Road

TestCode: 0.20_NYS

Sample ID: ALCS1UG-042121	SampType: LCS	TestCode: 0.20_NYS	Units: ppbV	Prep Date:	RunNo: 17524
Client ID: ZZZZZ	Batch ID: R17524	TestNo: TO-15		Analysis Date: 4/21/2021	SeqNo: 198944

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether	1.030	0.15	1	0	103	80.8	113				
Methylene chloride	1.140	0.15	1	0	114	87.8	123				
o-Xylene	1.300	0.15	1	0	130	80.5	139				
Propylene	1.090	0.15	1	0	109	96.2	135				
Styrene	1.280	0.15	1	0	128	82.7	138				
Tetrachloroethylene	1.210	0.15	1	0	121	85.9	122				
Tetrahydrofuran	1.060	0.15	1	0	106	65.5	134				
Toluene	1.190	0.15	1	0	119	77.8	127				
trans-1,2-Dichloroethene	1.080	0.15	1	0	108	83.3	116				
trans-1,3-Dichloropropene	1.130	0.15	1	0	113	84.8	134				
Trichloroethene	1.170	0.030	1	0	117	79.3	117				
Vinyl acetate	1.020	0.15	1	0	102	70.5	101				S
Vinyl Bromide	1.080	0.15	1	0	108	81.4	142				
Vinyl chloride	1.010	0.040	1	0	101	70.4	138				

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		

Date: *05-May-21*

CENTEK LABORATORIES, LLC

ANALYTICAL QC SUMMARY REPORT

CLIENT: LaBella Associates, P.C.
Work Order: C2104038
Project: 1500 Jefferson Road

TestCode: 0.20_NYS

Sample ID: **ALCS1UGD-042021** SampType: **LCSD** TestCode: **0.20_NYS** Units: **ppbV** Prep Date: RunNo: **17523**
Client ID: **ZZZZZ** Batch ID: **R17523** TestNo: **TO-15** Analysis Date: **4/20/2021** SeqNo: **198928**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	1.060	0.15	1	0	106	91.3	127	1.12	5.50	0	
1,1,2,2-Tetrachloroethane	1.050	0.15	1	0	105	78.7	121	1.08	2.82	0	
1,1,2-Trichloroethane	1.020	0.15	1	0	102	88.1	136	1.08	5.71	0	
1,1-Dichloroethane	1.020	0.15	1	0	102	86.1	123	1.09	6.64	0	
1,1-Dichloroethene	0.9800	0.040	1	0	98.0	70	94	0.99	1.02	0	S
1,2,4-Trichlorobenzene	1.320	0.15	1	0	132	76.7	112	1.25	5.45	0	S
1,2,4-Trimethylbenzene	1.180	0.15	1	0	118	74.3	123	1.14	3.45	0	
1,2-Dibromoethane	1.060	0.15	1	0	106	80.4	125	1.06	0	0	
1,2-Dichlorobenzene	1.180	0.15	1	0	118	79.5	143	1.03	13.6	0	
1,2-Dichloroethane	1.050	0.15	1	0	105	70.9	133	1.12	6.45	0	
1,2-Dichloropropane	1.010	0.15	1	0	101	91	134	1.05	3.88	0	
1,3,5-Trimethylbenzene	1.220	0.15	1	0	122	77.4	138	1.1	10.3	0	
1,3-butadiene	0.9300	0.15	1	0	93.0	71	144	0.99	6.25	0	
1,3-Dichlorobenzene	1.120	0.15	1	0	112	84.7	128	1.07	4.57	0	
1,4-Dichlorobenzene	1.200	0.15	1	0	120	77.9	131	1.14	5.13	0	
1,4-Dioxane	1.100	0.30	1	0	110	85.1	135	1.09	0.913	0	
2,2,4-trimethylpentane	1.050	0.15	1	0	105	86.9	126	1.06	0.948	0	
4-ethyltoluene	1.210	0.15	1	0	121	77.5	133	1.1	9.52	0	
Acetone	1.000	0.30	1	0	100	80.2	145	0.76	27.3	0	
Allyl chloride	1.020	0.15	1	0	102	86.6	117	1.11	8.45	0	
Benzene	1.070	0.15	1	0	107	88.9	122	1.09	1.85	0	
Benzyl chloride	1.180	0.15	1	0	118	73.6	120	1.29	8.91	0	
Bromodichloromethane	1.010	0.15	1	0	101	84.3	133	1.13	11.2	0	
Bromoform	0.9900	0.15	1	0	99.0	44.6	149	1.05	5.66	0	
Bromomethane	0.9600	0.15	1	0	96.0	78.7	144	1.08	11.8	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
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: LaBella Associates, P.C.
Work Order: C2104038
Project: 1500 Jefferson Road

TestCode: 0.20_NYS

Sample ID: **ALCS1UGD-042021** SampType: **LCSD** TestCode: **0.20_NYS** Units: **ppbV** Prep Date: RunNo: **17523**
Client ID: **ZZZZZ** Batch ID: **R17523** TestNo: **TO-15** Analysis Date: **4/20/2021** SeqNo: **198928**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Carbon disulfide	1.000	0.15	1	0	100	76.9	109	1.21	19.0	0	
Carbon tetrachloride	1.000	0.030	1	0	100	71	120	1.12	11.3	0	
Chlorobenzene	1.060	0.15	1	0	106	82.6	121	1.03	2.87	0	
Chloroethane	0.9300	0.15	1	0	93.0	67.1	146	1.02	9.23	0	
Chloroform	1.030	0.15	1	0	103	82.5	125	1.09	5.66	0	
Chloromethane	0.8800	0.15	1	0	88.0	71.1	154	1	12.8	0	
cis-1,2-Dichloroethene	1.030	0.040	1	0	103	71.2	112	1.05	1.92	0	
cis-1,3-Dichloropropene	1.040	0.15	1	0	104	90.3	137	1.11	6.51	0	
Cyclohexane	1.060	0.15	1	0	106	87	122	1.07	0.939	0	
Dibromochloromethane	1.030	0.15	1	0	103	62.8	132	1.08	4.74	0	
Ethyl acetate	1.070	0.15	1	0	107	86.9	134	1.15	7.21	0	
Ethylbenzene	1.150	0.15	1	0	115	76.9	123	1.1	4.44	0	
Freon 11	1.070	0.15	1	0	107	54.4	150	1.01	5.77	0	
Freon 113	1.050	0.15	1	0	105	83.4	124	1.1	4.65	0	
Freon 114	0.9600	0.15	1	0	96.0	82.4	144	1.07	10.8	0	
Freon 12	1.010	0.15	1	0	101	86.3	135	1.11	9.43	0	
Heptane	1.070	0.15	1	0	107	86.5	137	1.1	2.76	0	
Hexachloro-1,3-butadiene	1.320	0.15	1	0	132	78.7	120	1.2	9.52	0	S
Hexane	1.090	0.15	1	0	109	77.3	128	1.09	0	0	
Isopropyl alcohol	1.120	0.15	1	0	112	80.2	122	0.99	12.3	0	
m&p-Xylene	2.350	0.30	2	0	118	77.9	132	2.21	6.14	0	
Methyl Butyl Ketone	1.040	0.30	1	0	104	69.4	131	1.08	3.77	0	
Methyl Ethyl Ketone	1.060	0.30	1	0	106	71.5	117	1.08	1.87	0	
Methyl Isobutyl Ketone	1.030	0.30	1	0	103	63.5	141	1.08	4.74	0	
Methyl tert-butyl ether	1.120	0.15	1	0	112	80.8	113	1.08	3.64	0	
Methylene chloride	1.010	0.15	1	0.11	90.0	87.8	123	1.21	18.0	0	
o-Xylene	1.150	0.15	1	0	115	80.5	139	1.09	5.36	0	
Propylene	1.060	0.15	1	0	106	96.2	135	1.08	1.87	0	
Styrene	1.180	0.15	1	0	118	82.7	138	1.07	9.78	0	
Tetrachloroethylene	1.120	0.15	1	0	112	85.9	122	1.05	6.45	0	
Tetrahydrofuran	1.050	0.15	1	0	105	65.5	134	1.07	1.89	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
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

Sample ID: ALCS1UGD-042021 SampType: LCSD TestCode: 0.20_NYS Units: ppbV Prep Date: RunNo: 17523
Client ID: ZZZZZ Batch ID: R17523 TestNo: TO-15 Analysis Date: 4/20/2021 SeqNo: 198928

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	1.150	0.15	1	0	115	77.8	127	1.08	6.28	0	
trans-1,2-Dichloroethene	1.020	0.15	1	0	102	83.3	116	1.07	4.78	0	
trans-1,3-Dichloropropene	1.040	0.15	1	0	104	84.8	134	1.15	10.0	0	
Trichloroethene	1.050	0.030	1	0	105	79.3	117	1.06	0.948	0	
Vinyl acetate	1.050	0.15	1	0	105	70.5	101	1.07	1.89	0	S
Vinyl Bromide	1.160	0.15	1	0	116	81.4	142	1.03	11.9	0	
Vinyl chloride	0.9100	0.040	1	0	91.0	70.4	138	0.98	7.41	0	

Sample ID: ALCS1UGD-042121 SampType: LCSD TestCode: 0.20_NYS Units: ppbV Prep Date: RunNo: 17524
Client ID: ZZZZZ Batch ID: R17524 TestNo: TO-15 Analysis Date: 4/21/2021 SeqNo: 198945

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	1.230	0.15	1	0	123	91.3	127	1.24	0.810	0	
1,1,2,2-Tetrachloroethane	1.230	0.15	1	0	123	78.7	121	1.22	0.816	0	S
1,1,2-Trichloroethane	1.180	0.15	1	0	118	88.1	136	1.18	0	0	
1,1-Dichloroethane	1.120	0.15	1	0	112	86.1	123	1.11	0.897	0	
1,1-Dichloroethene	1.010	0.040	1	0	101	70	94	0.97	4.04	0	S
1,2,4-Trichlorobenzene	1.330	0.15	1	0	133	76.7	112	1.5	12.0	0	S
1,2,4-Trimethylbenzene	1.200	0.15	1	0	120	74.3	123	1.2	0	0	
1,2-Dibromoethane	1.160	0.15	1	0	116	80.4	125	1.19	2.55	0	
1,2-Dichlorobenzene	1.280	0.15	1	0	128	79.5	143	1.35	5.32	0	
1,2-Dichloroethane	1.130	0.15	1	0	113	70.9	133	1.12	0.889	0	
1,2-Dichloropropane	1.190	0.15	1	0	119	91	134	1.21	1.67	0	
1,3,5-Trimethylbenzene	1.290	0.15	1	0	129	77.4	138	1.28	0.778	0	
1,3-butadiene	1.080	0.15	1	0	108	71	144	1.07	0.930	0	
1,3-Dichlorobenzene	1.180	0.15	1	0	118	84.7	128	1.23	4.15	0	
1,4-Dichlorobenzene	1.260	0.15	1	0	126	77.9	131	1.29	2.35	0	
1,4-Dioxane	1.230	0.30	1	0	123	85.1	135	1.22	0.816	0	
2,2,4-trimethylpentane	1.160	0.15	1	0	116	86.9	126	1.17	0.858	0	
4-ethyltoluene	1.270	0.15	1	0	127	77.5	133	1.27	0	0	

CLIENT: LaBella Associates, P.C.
Work Order: C2104038
Project: 1500 Jefferson Road

TestCode: 0.20_NYS

Sample ID: **ALCS1UGD-042121** SampType: **LCSD** TestCode: **0.20_NYS** Units: **ppbV** Prep Date: RunNo: **17524**
Client ID: **ZZZZZ** Batch ID: **R17524** TestNo: **TO-15** Analysis Date: **4/21/2021** SeqNo: **198945**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acetone	1.130	0.30	1	0	113	80.2	145	1.11	1.79	0	
Allyl chloride	1.120	0.15	1	0	112	86.6	117	1.11	0.897	0	
Benzene	1.150	0.15	1	0	115	88.9	122	1.13	1.75	0	
Benzyl chloride	1.320	0.15	1	0	132	73.6	120	1.4	5.88	0	S
Bromodichloromethane	1.210	0.15	1	0	121	84.3	133	1.23	1.64	0	
Bromoform	1.110	0.15	1	0	111	44.6	149	1.17	5.26	0	
Bromomethane	1.120	0.15	1	0	112	78.7	144	1.11	0.897	0	
Carbon disulfide	1.120	0.15	1	0	112	76.9	109	1.12	0	0	S
Carbon tetrachloride	1.200	0.030	1	0	120	71	120	1.24	3.28	0	
Chlorobenzene	1.130	0.15	1	0	113	82.6	121	1.15	1.75	0	
Chloroethane	1.060	0.15	1	0	106	67.1	146	1.07	0.939	0	
Chloroform	1.130	0.15	1	0	113	82.5	125	1.11	1.79	0	
Chloromethane	1.060	0.15	1	0	106	71.1	154	1.02	3.85	0	
cis-1,2-Dichloroethene	1.100	0.040	1	0	110	71.2	112	1.05	4.65	0	
cis-1,3-Dichloropropene	1.180	0.15	1	0	118	90.3	137	1.22	3.33	0	
Cyclohexane	1.140	0.15	1	0	114	87	122	1.14	0	0	
Dibromochloromethane	1.160	0.15	1	0	116	62.8	132	1.23	5.86	0	
Ethyl acetate	1.160	0.15	1	0	116	86.9	134	1.13	2.62	0	
Ethylbenzene	1.180	0.15	1	0	118	76.9	123	1.19	0.844	0	
Freon 11	1.050	0.15	1	0	105	54.4	150	1.18	11.7	0	
Freon 113	1.160	0.15	1	0	116	83.4	124	1.13	2.62	0	
Freon 114	1.130	0.15	1	0	113	82.4	144	1.12	0.889	0	
Freon 12	1.200	0.15	1	0	120	86.3	135	1.17	2.53	0	
Heptane	1.220	0.15	1	0	122	86.5	137	1.2	1.65	0	
Hexachloro-1,3-butadiene	1.440	0.15	1	0	144	78.7	120	1.5	4.08	0	S
Hexane	1.110	0.15	1	0	111	77.3	128	1.08	2.74	0	
Isopropyl alcohol	1.260	0.15	1	0	126	80.2	122	1.19	5.71	0	S
m&p-Xylene	2.500	0.30	2	0	125	77.9	132	2.55	1.98	0	
Methyl Butyl Ketone	1.150	0.30	1	0	115	69.4	131	1.19	3.42	0	
Methyl Ethyl Ketone	1.090	0.30	1	0	109	71.5	117	1.05	3.74	0	
Methyl Isobutyl Ketone	1.160	0.30	1	0	116	63.5	141	1.2	3.39	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
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: LaBella Associates, P.C.
Work Order: C2104038
Project: 1500 Jefferson Road

TestCode: 0.20_NYS

Sample ID: ALCS1UGD-042121	SampType: LCSD	TestCode: 0.20_NYS	Units: ppbV	Prep Date:	RunNo: 17524
Client ID: ZZZZZ	Batch ID: R17524	TestNo: TO-15		Analysis Date: 4/21/2021	SeqNo: 198945

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether	1.080	0.15	1	0	108	80.8	113	1.03	4.74	0	
Methylene chloride	1.130	0.15	1	0	113	87.8	123	1.14	0.881	0	
o-Xylene	1.290	0.15	1	0	129	80.5	139	1.3	0.772	0	
Propylene	1.190	0.15	1	0	119	96.2	135	1.09	8.77	0	
Styrene	1.270	0.15	1	0	127	82.7	138	1.28	0.784	0	
Tetrachloroethylene	1.180	0.15	1	0	118	85.9	122	1.21	2.51	0	
Tetrahydrofuran	1.120	0.15	1	0	112	65.5	134	1.06	5.50	0	
Toluene	1.150	0.15	1	0	115	77.8	127	1.19	3.42	0	
trans-1,2-Dichloroethene	1.110	0.15	1	0	111	83.3	116	1.08	2.74	0	
trans-1,3-Dichloropropene	1.130	0.15	1	0	113	84.8	134	1.13	0	0	
Trichloroethene	1.160	0.030	1	0	116	79.3	117	1.17	0.858	0	
Vinyl acetate	1.080	0.15	1	0	108	70.5	101	1.02	5.71	0	S
Vinyl Bromide	1.050	0.15	1	0	105	81.4	142	1.08	2.82	0	
Vinyl chloride	1.050	0.040	1	0	105	70.4	138	1.01	3.88	0	

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		

CENTEK LABORATORIES, LLC

Date: *05-May-21*

ANALYTICAL QC SUMMARY REPORT

CLIENT: LaBella Associates, P.C.
Work Order: C2104038
Project: 1500 Jefferson Road

TestCode: 0.20_NYS

Sample ID: **C2104038-001A MS** SampType: **MS** TestCode: **0.20_NYS** Units: **ppbV** Prep Date: RunNo: **17523**
Client ID: **IAQ-09 (4/15/21)** Batch ID: **R17523** TestNo: **TO-15** Analysis Date: **4/20/2021** SeqNo: **198930**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	1.020	0.15	1	0	102	68.1	117				
1,1,2,2-Tetrachloroethane	0.9400	0.15	1	0	94.0	82.3	101				
1,1,2-Trichloroethane	0.9100	0.15	1	0	91.0	61	128				
1,1-Dichloroethane	0.9400	0.15	1	0	94.0	76.5	118				
1,1-Dichloroethene	0.9400	0.040	1	0	94.0	45.8	128				
1,2,4-Trichlorobenzene	2.430	0.15	1	0	243	70	130				S
1,2,4-Trimethylbenzene	1.580	0.15	1	0	158	81.5	155				S
1,2-Dibromoethane	0.9900	0.15	1	0	99.0	78.7	107				
1,2-Dichlorobenzene	1.250	0.15	1	0	125	57.2	175				
1,2-Dichloroethane	0.9800	0.15	1	0	98.0	65.1	130				
1,2-Dichloropropane	0.9100	0.15	1	0	91.0	69.9	116				
1,3,5-Trimethylbenzene	1.410	0.15	1	0	141	67.6	139				S
1,3-butadiene	1.440	0.15	1	0	144	70	130				S
1,3-Dichlorobenzene	1.130	0.15	1	0	113	89.1	122				
1,4-Dichlorobenzene	1.160	0.15	1	0	116	86.8	114				S
1,4-Dioxane	1.170	0.30	1	0	117	75.1	114				S
2,2,4-trimethylpentane	1.010	0.15	1	0	101	84.2	113				
4-ethyltoluene	0.1700	0.15	1	0	17.0	70	130				S
Acetone	12.67	0.30	1	0	1270	70	130				S
Allyl chloride	0.9900	0.15	1	0	99.0	70	130				
Benzene	1.380	0.15	1	0	138	72.7	133				S
Benzyl chloride	1.480	0.15	1	0	148	72.5	129				S
Bromodichloromethane	0.9800	0.15	1	0	98.0	69.4	112				
Bromoform	1.010	0.15	1	0	101	42.5	110				
Bromomethane	0.9500	0.15	1	0	95.0	68.6	121				

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: LaBella Associates, P.C.
Work Order: C2104038
Project: 1500 Jefferson Road

TestCode: 0.20_NYS

Sample ID: **C2104038-001A MS** SampType: **MS** TestCode: **0.20_NYS** Units: **ppbV** Prep Date: RunNo: **17523**
Client ID: **IAQ-09 (4/15/21)** Batch ID: **R17523** TestNo: **TO-15** Analysis Date: **4/20/2021** SeqNo: **198930**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Carbon disulfide	0.9800	0.15	1	0	98.0	70	130				
Carbon tetrachloride	1.070	0.030	1	0	107	61	107				
Chlorobenzene	0.9700	0.15	1	0	97.0	76.1	111				
Chloroethane	0.8600	0.15	1	0	86.0	62.6	119				
Chloroform	1.030	0.15	1	0	103	6.54	173				
Chloromethane	1.180	0.15	1	0	118	54.4	125				
cis-1,2-Dichloroethene	0.9800	0.040	1	0	98.0	60.1	121				
cis-1,3-Dichloropropene	0.9900	0.15	1	0	99.0	60.6	122				
Cyclohexane	1.360	0.15	1	0	136	59.4	148				
Dibromochloromethane	1.010	0.15	1	0	101	71.6	102				
Ethyl acetate	15.38	0.15	1	0	1540	49.3	146				S
Ethylbenzene	1.190	0.15	1	0	119	68.5	129				
Freon 11	0.9600	0.15	1	0	96.0	44.8	143				
Freon 113	1.030	0.15	1	0	103	80.3	125				
Freon 114	0.8800	0.15	1	0	88.0	65.2	132				
Freon 12	1.330	0.15	1	0	133	67.4	103				S
Heptane	2.860	0.15	1	0	286	80.8	124				S
Hexachloro-1,3-butadiene	1.410	0.15	1	0	141	81.9	119				S
Hexane	10.95	0.15	1	0	1100	73.7	147				S
Isopropyl alcohol	208.6	0.15	1	0	20900	70	130				S
m&p-Xylene	2.610	0.30	2	0	130	74.2	123				S
Methyl Butyl Ketone	1.070	0.30	1	0	107	72.6	117				
Methyl Ethyl Ketone	18.41	0.30	1	0	1840	59.4	135				S
Methyl Isobutyl Ketone	1.090	0.30	1	0	109	61	120				
Methyl tert-butyl ether	0.9600	0.15	1	0	96.0	63.6	134				
Methylene chloride	2.300	0.15	1	0	230	53.4	125				S
o-Xylene	1.220	0.15	1	0	122	74.3	132				
Propylene	26.34	0.15	1	0	2630	70	130				S
Styrene	1.130	0.15	1	0	113	82.4	118				
Tetrachloroethylene	1.140	0.15	1	0	114	86.2	112				S
Tetrahydrofuran	324.4	0.15	1	0	32400	70	130				S

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
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: LaBella Associates, P.C.
Work Order: C2104038
Project: 1500 Jefferson Road

TestCode: 0.20_NYS

Sample ID: C2104038-001A MS	SampType: MS	TestCode: 0.20_NYS	Units: ppbV	Prep Date:	RunNo: 17523
Client ID: IAQ-09 (4/15/21)	Batch ID: R17523	TestNo: TO-15		Analysis Date: 4/20/2021	SeqNo: 198930

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	1.770	0.15	1	0	177	70	130				S
trans-1,2-Dichloroethene	1.130	0.15	1	0	113	70.9	132				
trans-1,3-Dichloropropene	1.050	0.15	1	0	105	51.9	133				
Trichloroethene	1.390	0.030	1	0	139	63.1	109				S
Vinyl acetate	1.090	0.15	1	0	109	17.3	187				
Vinyl Bromide	0.9000	0.15	1	0	90.0	71.3	121				
Vinyl chloride	0.8500	0.040	1	0	85.0	63.2	114				

Sample ID: C2104038-001A MS	SampType: MSD	TestCode: 0.20_NYS	Units: ppbV	Prep Date:	RunNo: 17523
Client ID: IAQ-09 (4/15/21)	Batch ID: R17523	TestNo: TO-15		Analysis Date: 4/20/2021	SeqNo: 198931

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	0.9700	0.15	1	0	97.0	68.1	117	1.02	5.03	0	
1,1,2,2-Tetrachloroethane	0.9400	0.15	1	0	94.0	82.3	101	0.94	0	0	
1,1,2-Trichloroethane	0.8900	0.15	1	0	89.0	61	128	0.91	2.22	0	
1,1-Dichloroethane	0.9400	0.15	1	0	94.0	76.5	118	0.94	0	0	
1,1-Dichloroethene	0.9800	0.040	1	0	98.0	45.6	128	0.94	4.17	0	
1,2,4-Trichlorobenzene	2.340	0.15	1	0	234	30.3	262	2.43	3.77	0	
1,2,4-Trimethylbenzene	1.580	0.15	1	0	158	81.5	155	1.58	0	0	S
1,2-Dibromoethane	0.9700	0.15	1	0	97.0	78.7	107	0.99	2.04	0	
1,2-Dichlorobenzene	1.240	0.15	1	0	124	57.2	175	1.25	0.803	0	
1,2-Dichloroethane	1.000	0.15	1	0	100	65.1	130	0.98	2.02	0	
1,2-Dichloropropane	0.8600	0.15	1	0	86.0	69.9	116	0.91	5.65	0	
1,3,5-Trimethylbenzene	1.420	0.15	1	0	142	67.6	139	1.41	0.707	0	S
1,3-butadiene	1.100	0.15	1	0	110	70	404	1.44	26.8	0	
1,3-Dichlorobenzene	1.170	0.15	1	0	117	89.1	122	1.13	3.48	0	
1,4-Dichlorobenzene	1.240	0.15	1	0	124	86.8	114	1.16	6.67	0	S
1,4-Dioxane	1.190	0.30	1	0	119	75.1	114	1.17	1.69	0	S
2,2,4-trimethylpentane	1.000	0.15	1	0	100	84.2	113	1.01	0.995	0	
4-ethyltoluene	0.1500	0.15	1	0	15.0	70	130	0.17	12.5	0	S

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: LaBella Associates, P.C.
Work Order: C2104038
Project: 1500 Jefferson Road

TestCode: 0.20_NYS

Sample ID: **C2104038-001A MS** SampType: **MSD** TestCode: **0.20_NYS** Units: **ppbV** Prep Date: RunNo: **17523**
Client ID: **IAQ-09 (4/15/21)** Batch ID: **R17523** TestNo: **TO-15** Analysis Date: **4/20/2021** SeqNo: **198931**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acetone	11.81	0.30	1	0	1180	70	130	12.67	7.03	0	S
Allyl chloride	1.030	0.15	1	0	103	49.7	155	0.99	3.96	0	
Benzene	1.290	0.15	1	0	129	72.7	133	1.38	6.74	0	
Benzyl chloride	1.510	0.15	1	0	151	72.5	129	1.48	2.01	0	S
Bromodichloromethane	0.9200	0.15	1	0	92.0	69.4	112	0.98	6.32	0	
Bromoform	0.9700	0.15	1	0	97.0	42.5	110	1.01	4.04	0	
Bromomethane	0.9400	0.15	1	0	94.0	68.6	121	0.95	1.06	0	
Carbon disulfide	1.000	0.15	1	0	100	70	130	0.98	2.02	0	
Carbon tetrachloride	1.010	0.030	1	0	101	61	107	1.07	5.77	0	
Chlorobenzene	0.9800	0.15	1	0	98.0	76.1	111	0.97	1.03	0	
Chloroethane	0.8300	0.15	1	0	83.0	62.6	119	0.86	3.55	0	
Chloroform	1.050	0.15	1	0	105	6.54	173	1.03	1.92	0	
Chloromethane	1.140	0.15	1	0	114	54.4	125	1.18	3.45	0	
cis-1,2-Dichloroethene	1.000	0.040	1	0	100	60.1	121	0.98	2.02	0	
cis-1,3-Dichloropropene	0.9800	0.15	1	0	98.0	60.8	122	0.99	1.02	0	
Cyclohexane	1.280	0.15	1	0	128	59.4	148	1.36	6.06	0	
Dibromochloromethane	0.9700	0.15	1	0	97.0	71.6	102	1.01	4.04	0	
Ethyl acetate	14.17	0.15	1	0	1420	49.3	146	15.38	8.19	0	S
Ethylbenzene	1.220	0.15	1	0	122	68.5	129	1.19	2.49	0	
Freon 11	0.9400	0.15	1	0	94.0	44.8	143	0.96	2.11	0	
Freon 113	1.040	0.15	1	0	104	80.3	125	1.03	0.966	0	
Freon 114	0.8800	0.15	1	0	88.0	65.2	132	0.88	0	0	
Freon 12	1.290	0.15	1	0	129	67.4	103	1.33	3.05	0	S
Heptane	2.550	0.15	1	0	255	80.8	124	2.86	11.5	0	S
Hexachloro-1,3-butadiene	1.340	0.15	1	0	134	81.9	119	1.41	5.09	0	S
Hexane	10.24	0.15	1	0	1020	73.7	147	10.95	6.70	0	S
Isopropyl alcohol	188.2	0.15	1	0	18800	70	130	208.6	10.3	0	S
m&p-Xylene	2.560	0.30	2	0	128	74.2	123	2.61	1.93	0	S
Methyl Butyl Ketone	1.090	0.30	1	0	109	72.6	117	1.07	1.85	0	
Methyl Ethyl Ketone	17.14	0.30	1	0	1710	59.4	135	18.41	7.14	0	S
Methyl Isobutyl Ketone	1.120	0.30	1	0	112	61	120	1.09	2.71	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
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: LaBella Associates, P.C.
Work Order: C2104038
Project: 1500 Jefferson Road

TestCode: 0.20_NYS

Sample ID: C2104038-001A MS	SampType: MSD	TestCode: 0.20_NYS	Units: ppbV	Prep Date:	RunNo: 17523
Client ID: IAQ-09 (4/15/21)	Batch ID: R17523	TestNo: TO-15		Analysis Date: 4/20/2021	SeqNo: 198931

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether	1.110	0.15	1	0	111	63.6	134	0.96	14.5	0	
Methylene chloride	2.240	0.15	1	0	224	53.4	125	2.3	2.64	0	S
o-Xylene	1.180	0.15	1	0	118	74.3	132	1.22	3.33	0	
Propylene	24.31	0.15	1	0	2430	70	130	26.34	8.02	0	S
Styrene	1.110	0.15	1	0	111	82.4	118	1.13	1.79	0	
Tetrachloroethylene	1.120	0.15	1	0	112	86.2	112	1.14	1.77	0	S
Tetrahydrofuran	301.0	0.15	1	0	30100	70	130	324.4	7.48	0	S
Toluene	1.680	0.15	1	0	168	70	130	1.77	5.22	0	S
trans-1,2-Dichloroethene	1.130	0.15	1	0	113	70.9	132	1.13	0	0	
trans-1,3-Dichloropropene	1.050	0.15	1	0	105	51.9	133	1.05	0	0	
Trichloroethene	1.320	0.030	1	0	132	63.1	109	1.39	5.17	0	S
Vinyl acetate	1.150	0.15	1	0	115	70	130	1.09	5.36	0	
Vinyl Bromide	0.8700	0.15	1	0	87.0	70	130	0.9	3.39	0	
Vinyl chloride	0.8100	0.040	1	0	81.0	63.2	114	0.85	4.82	0	

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		

Compound	Amt	IDL #1	IDL #2	IDL #3	IDL #4	IDL #5	IDL #6	IDL #7	AVG	StdDev	%Rec	IDL
Propylene	0.3	0.32	0.36	0.34	0.33	0.33	0.34	0.33	0.34	0.01	111.9%	0.040
Freon 12	0.3	0.35	0.35	0.36	0.37	0.36	0.38	0.33	0.36	0.02	119.0%	0.050
Chloromethane	0.3	0.35	0.36	0.37	0.37	0.38	0.37	0.32	0.36	0.02	120.0%	0.063
Freon 114	0.3	0.37	0.38	0.36	0.39	0.4	0.38	0.37	0.38	0.01	126.2%	0.042
Vinyl Chloride	0.3	0.36	0.35	0.34	0.38	0.39	0.36	0.34	0.36	0.02	120.0%	0.060
Butane	0.3	0.36	0.33	0.38	0.38	0.33	0.34	0.33	0.35	0.02	116.7%	0.073
1,3-butadiene	0.3	0.33	0.35	0.35	0.31	0.38	0.38	0.33	0.35	0.03	115.7%	0.083
Bromomethane	0.3	0.37	0.37	0.37	0.35	0.38	0.35	0.34	0.36	0.01	120.5%	0.046
Chloroethane	0.3	0.4	0.37	0.34	0.37	0.38	0.32	0.34	0.36	0.03	120.0%	0.087
Ethanol	0.3	0.39	0.38	0.39	0.35	0.37	0.32	0.34	0.36	0.03	121.0%	0.085
Acrolein	0.3	0.26	0.31	0.29	0.34	0.36	0.32	0.33	0.32	0.03	105.2%	0.104
Vinyl Bromide	0.3	0.34	0.38	0.36	0.42	0.42	0.35	0.36	0.38	0.03	125.2%	0.102
Freon 11	0.3	0.27	0.3	0.28	0.37	0.37	0.37	0.35	0.33	0.05	110.0%	0.142
Acetone	0.3	0.32	0.31	0.31	0.41	0.38	0.32	0.31	0.34	0.04	112.4%	0.128
Pentane	0.3	0.3	0.33	0.36	0.42	0.33	0.42	0.41	0.37	0.05	122.4%	0.156
Isopropyl alcohol	0.3	0.36	0.39	0.39	0.43	0.39	0.43	0.37	0.39	0.03	131.4%	0.085
1,1-dichloroethene	0.3	0.3	0.31	0.3	0.3	0.3	0.31	0.29	0.30	0.01	100.5%	0.022
Freon 113	0.3	0.3	0.32	0.31	0.32	0.31	0.32	0.3	0.31	0.01	103.8%	0.028
t-Butyl alcohol	0.3	0.32	0.33	0.32	0.32	0.32	0.33	0.31	0.32	0.01	107.1%	0.022
Methylene chloride	0.3	0.31	0.34	0.32	0.32	0.31	0.34	0.32	0.32	0.01	107.6%	0.039
Allyl chloride	0.3	0.33	0.33	0.32	0.31	0.31	0.32	0.3	0.32	0.01	105.7%	0.035
Carbon disulfide	0.3	0.34	0.34	0.33	0.32	0.32	0.37	0.32	0.33	0.02	111.4%	0.057
trans-1,2-dichloroethene	0.3	0.32	0.33	0.32	0.32	0.32	0.33	0.31	0.32	0.01	107.1%	0.022
methyl tert-butyl ether	0.3	0.31	0.31	0.31	0.3	0.3	0.3	0.29	0.30	0.01	101.0%	0.024
1,1-dichloroethane	0.3	0.32	0.33	0.31	0.33	0.32	0.32	0.31	0.32	0.01	106.7%	0.026
Vinyl acetate	0.3	0.31	0.35	0.31	0.32	0.31	0.31	0.27	0.31	0.02	103.8%	0.074
Methyl Ethyl Ketone	0.3	0.3	0.33	0.31	0.31	0.3	0.29	0.29	0.30	0.01	101.4%	0.044
cis-1,2-dichloroethene	0.3	0.31	0.33	0.32	0.32	0.3	0.32	0.31	0.32	0.01	105.2%	0.031
Hexane	0.3	0.3	0.33	0.32	0.32	0.32	0.32	0.31	0.32	0.01	105.7%	0.030
Ethyl acetate	0.3	0.32	0.33	0.33	0.33	0.33	0.33	0.3	0.32	0.01	108.1%	0.036
Chloroform	0.3	0.31	0.32	0.31	0.33	0.32	0.32	0.31	0.32	0.01	105.7%	0.024
Tetrahydrofuran	0.3	0.32	0.33	0.32	0.32	0.34	0.32	0.31	0.32	0.01	107.6%	0.030
1,2-dichloroethane	0.3	0.33	0.34	0.33	0.34	0.33	0.32	0.33	0.33	0.01	110.5%	0.022
1,1,1-trichloroethane	0.3	0.3	0.31	0.31	0.31	0.31	0.3	0.3	0.31	0.01	101.9%	0.017
Cyclohexane	0.3	0.32	0.32	0.32	0.33	0.31	0.33	0.33	0.32	0.01	107.6%	0.024
Carbon tetrachloride	0.3	0.28	0.28	0.28	0.28	0.28	0.27	0.27	0.28	0.00	92.4%	0.015
Benzene	0.3	0.31	0.32	0.33	0.32	0.32	0.32	0.32	0.32	0.01	106.7%	0.018
Methyl methacrylate	0.3	0.31	0.33	0.33	0.33	0.32	0.32	0.32	0.32	0.01	107.6%	0.024

Compound	Amt	IDL #1	IDL #2	IDL #3	IDL #4	IDL #5	IDL #6	IDL #7	AVG	StdDev	%Rec	IDL
1,4-dioxane	0.3	0.3	0.3	0.31	0.31	0.3	0.31	0.3	0.30	0.01	101.4%	0.017
2,2,4-trimethylpentane	0.3	0.31	0.32	0.32	0.33	0.32	0.32	0.33	0.32	0.01	107.1%	0.022
Heptane	0.3	0.31	0.34	0.34	0.34	0.33	0.33	0.32	0.33	0.01	110.0%	0.036
Trichloroethene	0.3	0.28	0.3	0.29	0.3	0.3	0.31	0.3	0.30	0.01	99.0%	0.030
1,2-dichloropropane	0.3	0.31	0.32	0.32	0.32	0.33	0.33	0.32	0.32	0.01	107.1%	0.022
Bromodichloromethane	0.3	0.29	0.3	0.3	0.3	0.29	0.3	0.29	0.30	0.01	98.6%	0.017
cis-1,3-dichloropropene	0.3	0.28	0.29	0.3	0.3	0.29	0.3	0.29	0.29	0.01	97.6%	0.024
trans-1,3-dichloropropene	0.3	0.29	0.29	0.28	0.29	0.29	0.28	0.29	0.29	0.00	95.7%	0.015
1,1,2-trichloroethane	0.3	0.3	0.31	0.3	0.32	0.3	0.31	0.31	0.31	0.01	102.4%	0.024
Toluene	0.3	0.3	0.3	0.3	0.3	0.3	0.31	0.3	0.30	0.00	100.5%	0.012
Methyl Isobutyl Ketone	0.3	0.34	0.35	0.32	0.33	0.33	0.34	0.32	0.33	0.01	111.0%	0.035
Dibromochloromethane	0.3	0.26	0.26	0.25	0.26	0.26	0.26	0.25	0.26	0.00	85.7%	0.015
Methyl Butyl Ketone	0.3	0.31	0.32	0.33	0.32	0.33	0.33	0.32	0.32	0.01	107.6%	0.024
1,2-dibromoethane	0.3	0.3	0.3	0.3	0.31	0.31	0.31	0.31	0.31	0.01	101.9%	0.017
Tetrachloroethylene	0.3	0.3	0.29	0.29	0.29	0.3	0.31	0.3	0.30	0.01	99.0%	0.024
Chlorobenzene	0.3	0.3	0.3	0.3	0.29	0.3	0.31	0.3	0.30	0.01	100.0%	0.018
Ethylbenzene	0.3	0.3	0.3	0.3	0.3	0.31	0.31	0.31	0.30	0.01	101.4%	0.017
m&p-xylene	0.6	0.6	0.59	0.59	0.6	0.6	0.61	0.59	0.60	0.01	99.5%	0.024
Nonane	0.3	0.31	0.33	0.3	0.32	0.32	0.32	0.32	0.32	0.01	105.7%	0.030
Styrene	0.3	0.29	0.29	0.28	0.29	0.28	0.29	0.28	0.29	0.01	95.2%	0.017
Bromoform	0.3	0.21	0.21	0.21	0.2	0.21	0.21	0.19	0.21	0.01	68.6%	0.025
o-xylene	0.3	0.32	0.3	0.31	0.32	0.31	0.31	0.32	0.31	0.01	104.3%	0.024
Cumene	0.3	0.29	0.29	0.28	0.29	0.29	0.3	0.29	0.29	0.01	96.7%	0.018
1,1,2,2-tetrachloroethane	0.3	0.3	0.3	0.29	0.3	0.3	0.31	0.3	0.30	0.01	100.0%	0.018
Propylbenzene	0.3	0.28	0.28	0.27	0.27	0.28	0.28	0.28	0.28	0.00	92.4%	0.015
2-Chlorotoluene	0.3	0.28	0.28	0.27	0.28	0.28	0.29	0.28	0.28	0.01	93.3%	0.018
4-ethyltoluene	0.3	0.28	0.28	0.27	0.28	0.28	0.3	0.28	0.28	0.01	93.8%	0.028
1,3,5-trimethylbenzene	0.3	0.28	0.29	0.29	0.28	0.29	0.3	0.29	0.29	0.01	96.2%	0.022
1,2,4-trimethylbenzene	0.3	0.27	0.28	0.28	0.28	0.27	0.29	0.28	0.28	0.01	92.9%	0.022
1,3-dichlorobenzene	0.3	0.28	0.28	0.27	0.28	0.28	0.29	0.28	0.28	0.01	93.3%	0.018
benzyl chloride	0.3	0.21	0.22	0.21	0.26	0.27	0.22	0.2	0.23	0.03	75.7%	0.085
1,4-dichlorobenzene	0.3	0.28	0.28	0.27	0.28	0.28	0.29	0.28	0.28	0.01	93.3%	0.018
1,2,3-trimethylbenzene	0.3	0.28	0.28	0.28	0.28	0.28	0.29	0.29	0.28	0.00	94.3%	0.015
1,2-dichlorobenzene	0.3	0.28	0.28	0.27	0.28	0.29	0.29	0.29	0.28	0.01	94.3%	0.024
1,2,4-trichlorobenzene	0.3	0.25	0.26	0.26	0.25	0.27	0.27	0.25	0.26	0.01	86.2%	0.028
Naphthalene	0.3	0.26	0.26	0.26	0.26	0.26	0.27	0.25	0.26	0.01	86.7%	0.018
Hexachloro-1,3-butadiene	0.3	0.27	0.28	0.28	0.28	0.29	0.29	0.28	0.28	0.01	93.8%	0.022

Compound	Amt	IDL #1	IDL #2	IDL #3	IDL #4	IDL #5	IDL #6	IDL #7	AVG	StdDev	%Rec	IDL
Vinyl Chloride	0.1	0.1	0.12	0.12	0.12	0.12	0.12	0.11	0.12	0.01	115.7%	0.025
1,1-dichloroethene	0.1	0.09	0.09	0.09	0.09	0.1	0.1	0.08	0.09	0.01	91.4%	0.022
cis-1,2-dichloroethene	0.1	0.1	0.1	0.1	0.1	0.1	0.09	0.09	0.10	0.00	97.1%	0.015
Carbon tetrachloride	0.1	0.08	0.07	0.08	0.08	0.08	0.07	0.07	0.08	0.01	75.7%	0.017
Trichloroethene	0.1	0.1	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.00	91.4%	0.012
Tetrachloroethylene	0.1	0.09	0.09	0.09	0.09	0.09	0.08	0.09	0.09	0.00	88.6%	0.012
Naphthalene	0.1	0.07	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.00	61.4%	0.012

GC/MS-Whole Air Calculations

Relative Response Factor (RRF)

$$RRF = \frac{Ax * Cis}{Ais * Cx}$$

where: Ax = area of the characteristic ion for the compound being measured
Ais = area of the characteristic ion for the specific internal standard of the compound being measured
Cx = concentration of the compound being measured (ppbv)
Cis = concentration of the internal standard (ppbv)

Percent Relative Standard Deviation (%RSD)

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

Percent Difference (%D)

$$\% D = \frac{(RRFc - \text{mean RRFi}) * 100}{\text{mean RRFi}}$$

where: RRFc = relative response factor from the continuing calibration
mean RRFi = mean relative response factor from the initial calibration

Sample Calculations

$$ppbv = \frac{Ax * Is * Df}{Ais * RRF}$$

where: Ax = area of the characteristic ion for the compound being measured
Ais = area of the characteristic ion for the specific internal standard of the compound being measured
Is = Concentration of the internal standard injected (ppbv)
RRF= relative response factor for the compound being measured
Df = Dilution factor

GC/MS VOLATILES-WHOLE AIR

METHOD TO-15

SAMPLE DATA

Centek Laboratories, LLC

Date: *05-May-21*

CLIENT:	LaBella Associates, P.C.	**Client Sample ID:**	IAQ-09 (4/15/21)
Lab Order:	C2104038	**Tag Number:**	1201,734
Project:	1500 Jefferson Road	**Collection Date:**	4/15/2021
Lab ID:	C2104038-001A	**Matrix:**	AIR

Analyses	Result	DL	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		**FLD**				Analyst:
Lab Vacuum In	-5			"Hg		4/16/2021
Lab Vacuum Out	-30			"Hg		4/16/2021
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		**TO-15**				Analyst: **WD**
1,1,1-Trichloroethane	< 0.15	0.15		ppbV	1	4/20/2021 4:07:00 PM
1,1,2,2-Tetrachloroethane	< 0.15	0.15		ppbV	1	4/20/2021 4:07:00 PM
1,1,2-Trichloroethane	< 0.15	0.15		ppbV	1	4/20/2021 4:07:00 PM
1,1-Dichloroethane	< 0.15	0.15		ppbV	1	4/20/2021 4:07:00 PM
1,1-Dichloroethene	< 0.040	0.040		ppbV	1	4/20/2021 4:07:00 PM
1,2,4-Trichlorobenzene	< 0.15	0.15		ppbV	1	4/20/2021 4:07:00 PM
1,2,4-Trimethylbenzene	0.29	0.15		ppbV	1	4/20/2021 4:07:00 PM
1,2-Dibromoethane	< 0.15	0.15		ppbV	1	4/20/2021 4:07:00 PM
1,2-Dichlorobenzene	< 0.15	0.15		ppbV	1	4/20/2021 4:07:00 PM
1,2-Dichloroethane	< 0.15	0.15		ppbV	1	4/20/2021 4:07:00 PM
1,2-Dichloropropane	< 0.15	0.15		ppbV	1	4/20/2021 4:07:00 PM
1,3,5-Trimethylbenzene	< 0.15	0.15		ppbV	1	4/20/2021 4:07:00 PM
1,3-butadiene	< 0.15	0.15		ppbV	1	4/20/2021 4:07:00 PM
1,3-Dichlorobenzene	< 0.15	0.15		ppbV	1	4/20/2021 4:07:00 PM
1,4-Dichlorobenzene	< 0.15	0.15		ppbV	1	4/20/2021 4:07:00 PM
1,4-Dioxane	< 0.30	0.30		ppbV	1	4/20/2021 4:07:00 PM
2,2,4-trimethylpentane	< 0.15	0.15		ppbV	1	4/20/2021 4:07:00 PM
4-ethyltoluene	0.14	0.15	J	ppbV	1	4/20/2021 4:07:00 PM
Acetone	70	96	J	ppbV	320	4/21/2021 4:34:00 PM
Allyl chloride	< 0.15	0.15		ppbV	1	4/20/2021 4:07:00 PM
Benzene	0.36	0.15		ppbV	1	4/20/2021 4:07:00 PM
Benzyl chloride	< 0.15	0.15		ppbV	1	4/20/2021 4:07:00 PM
Bromodichloromethane	< 0.15	0.15		ppbV	1	4/20/2021 4:07:00 PM
Bromoform	< 0.15	0.15		ppbV	1	4/20/2021 4:07:00 PM
Bromomethane	0.11	0.15	J	ppbV	1	4/20/2021 4:07:00 PM
Carbon disulfide	0.11	0.15	J	ppbV	1	4/20/2021 4:07:00 PM
Carbon tetrachloride	0.080	0.030		ppbV	1	4/20/2021 4:07:00 PM
Chlorobenzene	< 0.15	0.15		ppbV	1	4/20/2021 4:07:00 PM
Chloroethane	< 0.15	0.15		ppbV	1	4/20/2021 4:07:00 PM
Chloroform	< 0.15	0.15		ppbV	1	4/20/2021 4:07:00 PM
Chloromethane	0.48	0.15		ppbV	1	4/20/2021 4:07:00 PM
cis-1,2-Dichloroethene	< 0.040	0.040		ppbV	1	4/20/2021 4:07:00 PM
cis-1,3-Dichloropropene	< 0.15	0.15		ppbV	1	4/20/2021 4:07:00 PM
Cyclohexane	< 0.15	0.15		ppbV	1	4/20/2021 4:07:00 PM
Dibromochloromethane	< 0.15	0.15		ppbV	1	4/20/2021 4:07:00 PM
Ethyl acetate	< 0.15	0.15		ppbV	1	4/20/2021 4:07:00 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

Centek Laboratories, LLC

Date: *05-May-21*

CLIENT:	LaBella Associates, P.C.	**Client Sample ID:**	IAQ-09 (4/15/21)
Lab Order:	C2104038	**Tag Number:**	1201,734
Project:	1500 Jefferson Road	**Collection Date:**	4/15/2021
Lab ID:	C2104038-001A	**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: **WD**
Ethylbenzene	0.14	0.15	J	ppbV	1	4/20/2021 4:07:00 PM
Freon 11	0.23	0.15		ppbV	1	4/20/2021 4:07:00 PM
Freon 113	< 0.15	0.15		ppbV	1	4/20/2021 4:07:00 PM
Freon 114	< 0.15	0.15		ppbV	1	4/20/2021 4:07:00 PM
Freon 12	0.52	0.15		ppbV	1	4/20/2021 4:07:00 PM
Heptane	1.5	1.5		ppbV	10	4/21/2021 1:10:00 AM
Hexachloro-1,3-butadiene	< 0.15	0.15		ppbV	1	4/20/2021 4:07:00 PM
Hexane	< 0.15	0.15		ppbV	1	4/20/2021 4:07:00 PM
Isopropyl alcohol	520	96		ppbV	640	4/22/2021 12:18:00 PM
m&p-Xylene	0.47	0.30		ppbV	1	4/20/2021 4:07:00 PM
Methyl Butyl Ketone	< 0.30	0.30		ppbV	1	4/20/2021 4:07:00 PM
Methyl Ethyl Ketone	1.4	0.30		ppbV	1	4/20/2021 4:07:00 PM
Methyl Isobutyl Ketone	0.17	0.30	J	ppbV	1	4/20/2021 4:07:00 PM
Methyl tert-butyl ether	< 0.15	0.15		ppbV	1	4/20/2021 4:07:00 PM
Methylene chloride	1.5	0.15		ppbV	1	4/20/2021 4:07:00 PM
o-Xylene	0.20	0.15		ppbV	1	4/20/2021 4:07:00 PM
Propylene	< 0.15	0.15		ppbV	1	4/20/2021 4:07:00 PM
Styrene	< 0.15	0.15		ppbV	1	4/20/2021 4:07:00 PM
Tetrachloroethylene	0.12	0.15	J	ppbV	1	4/20/2021 4:07:00 PM
Tetrahydrofuran	< 0.15	0.15		ppbV	1	4/20/2021 4:07:00 PM
Toluene	0.71	0.15		ppbV	1	4/20/2021 4:07:00 PM
trans-1,2-Dichloroethene	< 0.15	0.15		ppbV	1	4/20/2021 4:07:00 PM
trans-1,3-Dichloropropene	< 0.15	0.15		ppbV	1	4/20/2021 4:07:00 PM
Trichloroethene	0.44	0.030		ppbV	1	4/20/2021 4:07:00 PM
Vinyl acetate	< 0.15	0.15		ppbV	1	4/20/2021 4:07:00 PM
Vinyl Bromide	< 0.15	0.15		ppbV	1	4/20/2021 4:07:00 PM
Vinyl chloride	< 0.040	0.040		ppbV	1	4/20/2021 4:07:00 PM
Surr: Bromofluorobenzene	98.0	47-124		%REC	1	4/20/2021 4:07:00 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

Centek Laboratories, LLC

Date: *05-May-21*

CLIENT:	LaBella Associates, P.C.	**Client Sample ID:**	IAQ-09 (4/15/21)
Lab Order:	C2104038	**Tag Number:**	1201,734
Project:	1500 Jefferson Road	**Collection Date:**	4/15/2021
Lab ID:	C2104038-001A	**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: **WD**
1,1,1-Trichloroethane	< 0.82	0.82		ug/m3	1	4/20/2021 4:07:00 PM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		ug/m3	1	4/20/2021 4:07:00 PM
1,1,2-Trichloroethane	< 0.82	0.82		ug/m3	1	4/20/2021 4:07:00 PM
1,1-Dichloroethane	< 0.61	0.61		ug/m3	1	4/20/2021 4:07:00 PM
1,1-Dichloroethene	< 0.16	0.16		ug/m3	1	4/20/2021 4:07:00 PM
1,2,4-Trichlorobenzene	< 1.1	1.1		ug/m3	1	4/20/2021 4:07:00 PM
1,2,4-Trimethylbenzene	1.4	0.74		ug/m3	1	4/20/2021 4:07:00 PM
1,2-Dibromoethane	< 1.2	1.2		ug/m3	1	4/20/2021 4:07:00 PM
1,2-Dichlorobenzene	< 0.90	0.90		ug/m3	1	4/20/2021 4:07:00 PM
1,2-Dichloroethane	< 0.61	0.61		ug/m3	1	4/20/2021 4:07:00 PM
1,2-Dichloropropane	< 0.69	0.69		ug/m3	1	4/20/2021 4:07:00 PM
1,3,5-Trimethylbenzene	< 0.74	0.74		ug/m3	1	4/20/2021 4:07:00 PM
1,3-butadiene	< 0.33	0.33		ug/m3	1	4/20/2021 4:07:00 PM
1,3-Dichlorobenzene	< 0.90	0.90		ug/m3	1	4/20/2021 4:07:00 PM
1,4-Dichlorobenzene	< 0.90	0.90		ug/m3	1	4/20/2021 4:07:00 PM
1,4-Dioxane	< 1.1	1.1		ug/m3	1	4/20/2021 4:07:00 PM
2,2,4-trimethylpentane	< 0.70	0.70		ug/m3	1	4/20/2021 4:07:00 PM
4-ethyltoluene	0.69	0.74	J	ug/m3	1	4/20/2021 4:07:00 PM
Acetone	170	230	J	ug/m3	320	4/21/2021 4:34:00 PM
Allyl chloride	< 0.47	0.47		ug/m3	1	4/20/2021 4:07:00 PM
Benzene	1.1	0.48		ug/m3	1	4/20/2021 4:07:00 PM
Benzyl chloride	< 0.86	0.86		ug/m3	1	4/20/2021 4:07:00 PM
Bromodichloromethane	< 1.0	1.0		ug/m3	1	4/20/2021 4:07:00 PM
Bromoform	< 1.6	1.6		ug/m3	1	4/20/2021 4:07:00 PM
Bromomethane	0.43	0.58	J	ug/m3	1	4/20/2021 4:07:00 PM
Carbon disulfide	0.34	0.47	J	ug/m3	1	4/20/2021 4:07:00 PM
Carbon tetrachloride	0.50	0.19		ug/m3	1	4/20/2021 4:07:00 PM
Chlorobenzene	< 0.69	0.69		ug/m3	1	4/20/2021 4:07:00 PM
Chloroethane	< 0.40	0.40		ug/m3	1	4/20/2021 4:07:00 PM
Chloroform	< 0.73	0.73		ug/m3	1	4/20/2021 4:07:00 PM
Chloromethane	0.99	0.31		ug/m3	1	4/20/2021 4:07:00 PM
cis-1,2-Dichloroethene	< 0.16	0.16		ug/m3	1	4/20/2021 4:07:00 PM
cis-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	4/20/2021 4:07:00 PM
Cyclohexane	< 0.52	0.52		ug/m3	1	4/20/2021 4:07:00 PM
Dibromochloromethane	< 1.3	1.3		ug/m3	1	4/20/2021 4:07:00 PM
Ethyl acetate	< 0.54	0.54		ug/m3	1	4/20/2021 4:07:00 PM
Ethylbenzene	0.61	0.65	J	ug/m3	1	4/20/2021 4:07:00 PM
Freon 11	1.3	0.84		ug/m3	1	4/20/2021 4:07:00 PM
Freon 113	< 1.1	1.1		ug/m3	1	4/20/2021 4:07:00 PM
Freon 114	< 1.0	1.0		ug/m3	1	4/20/2021 4:07:00 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

Centek Laboratories, LLC

Date: *05-May-21*

CLIENT: LaBella Associates, P.C.
Lab Order: C2104038
Project: 1500 Jefferson Road
Lab ID: C2104038-001A

Client Sample ID: IAQ-09 (4/15/21)
Tag Number: 1201,734
Collection Date: 4/15/2021
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: **WD**
Freon 12	2.6	0.74		ug/m3	1	4/20/2021 4:07:00 PM
Heptane	6.1	6.1		ug/m3	10	4/21/2021 1:10:00 AM
Hexachloro-1,3-butadiene	< 1.6	1.6		ug/m3	1	4/20/2021 4:07:00 PM
Hexane	< 0.53	0.53		ug/m3	1	4/20/2021 4:07:00 PM
Isopropyl alcohol	1300	240		ug/m3	640	4/22/2021 12:18:00 PM
m&p-Xylene	2.0	1.3		ug/m3	1	4/20/2021 4:07:00 PM
Methyl Butyl Ketone	< 1.2	1.2		ug/m3	1	4/20/2021 4:07:00 PM
Methyl Ethyl Ketone	4.1	0.88		ug/m3	1	4/20/2021 4:07:00 PM
Methyl Isobutyl Ketone	0.70	1.2	J	ug/m3	1	4/20/2021 4:07:00 PM
Methyl tert-butyl ether	< 0.54	0.54		ug/m3	1	4/20/2021 4:07:00 PM
Methylene chloride	5.2	0.52		ug/m3	1	4/20/2021 4:07:00 PM
o-Xylene	0.87	0.65		ug/m3	1	4/20/2021 4:07:00 PM
Propylene	< 0.26	0.26		ug/m3	1	4/20/2021 4:07:00 PM
Styrene	< 0.64	0.64		ug/m3	1	4/20/2021 4:07:00 PM
Tetrachloroethylene	0.81	1.0	J	ug/m3	1	4/20/2021 4:07:00 PM
Tetrahydrofuran	< 0.44	0.44		ug/m3	1	4/20/2021 4:07:00 PM
Toluene	2.7	0.57		ug/m3	1	4/20/2021 4:07:00 PM
trans-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	4/20/2021 4:07:00 PM
trans-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	4/20/2021 4:07:00 PM
Trichloroethene	2.4	0.16		ug/m3	1	4/20/2021 4:07:00 PM
Vinyl acetate	< 0.53	0.53		ug/m3	1	4/20/2021 4:07:00 PM
Vinyl Bromide	< 0.66	0.66		ug/m3	1	4/20/2021 4:07:00 PM
Vinyl chloride	< 0.10	0.10		ug/m3	1	4/20/2021 4:07:00 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

Data File : C:\HPCHEM\1\DATA\AS042007.D Vial: 13
Acq On : 20 Apr 2021 4:07 pm Operator: RJP
Sample : C2104038-001A Inst : MSD #1
Misc : A317_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 21 09:08:28 2021 Quant Results File: A317_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A317_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Mon Apr 12 12:02:39 2021
Response via : Initial Calibration
DataAcq Meth : 1UG_ENT

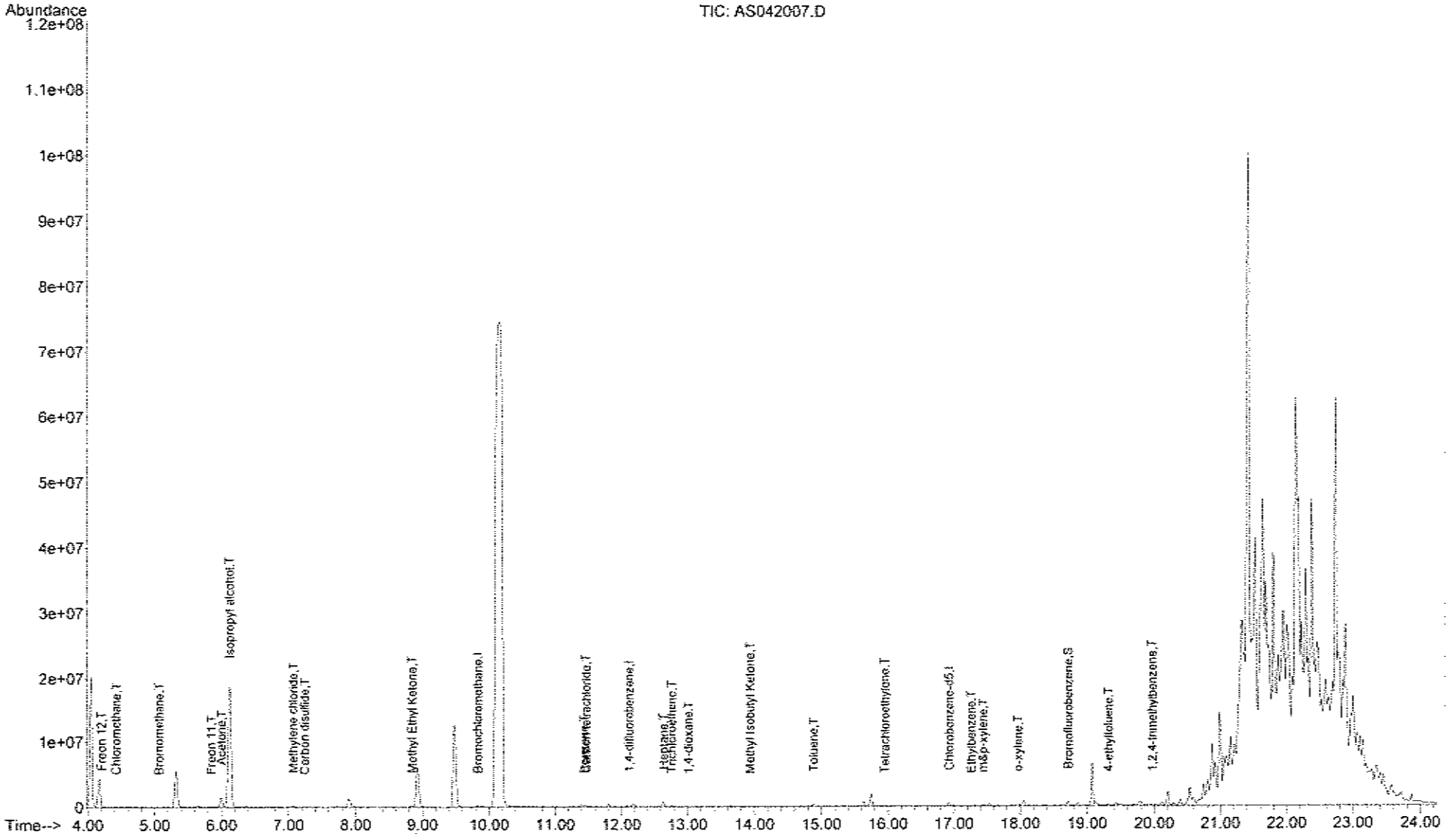
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	9.83	128	92259	1.00	ppb		0.02
35) 1,4-difluorobenzene	12.12	114	348627	1.00	ppb		0.01
50) Chlorobenzene-d5	16.92	117	334135	1.00	ppb		0.00
System Monitoring Compounds							
65) Bromofluorobenzene	18.71	95	246868	0.98	ppb		0.05
Spiked Amount 1.000	Range 70 - 130		Recovery = 98.00%				
Target Compounds							Qvalue
3) Freon 12	4.21	85	179366	0.52	ppb		99
4) Chloromethane	4.41	50	39509	0.48	ppb		83
9) Bromomethane	5.05	94	10882	0.11	ppb	#	73
14) Freon 11	5.85	101	85390	0.23	ppb		99
15) Acetone	6.00	58	814186m	14.41	ppb		
17) Isopropyl alcohol	6.11	45	30895733	212.78	ppb	#	16
21) Methylene chloride	7.06	84	181482	1.51	ppb		100
23) Carbon disulfide	7.23	76	38313	0.11	ppb		91
28) Methyl Ethyl Ketone	8.85	72	68797m	1.40	ppb		
38) Carbon tetrachloride	11.46	117	25597	0.08	ppb		96
39) Benzene	11.43	78	121381	0.36	ppb		90
41) 1,4-dioxane	13.02	88	12328	0.17	ppb		83
43) Heptane	12.64	43	299357	2.07	ppb		94
44) Trichloroethene	12.77	130	78791	0.44	ppb		99
51) Toluene	14.88	92	157772	0.71	ppb		97
52) Methyl Isobutyl Ketone	13.94	43	35493	0.17	ppb		87
56) Tetrachloroethylene	15.95	164	22365	0.12	ppb		98
58) Ethylbenzene	17.24	91	65290	0.14	ppb		99
59) m&p-xylene	17.44	91	188872	0.47	ppb		97
63) o-xylene	17.97	91	90866	0.20	ppb		97
69) 4-ethyltoluene	19.31	105	77890	0.14	ppb		95
71) 1,2,4-trimethylbenzene	19.97	105	126329	0.29	ppb		97

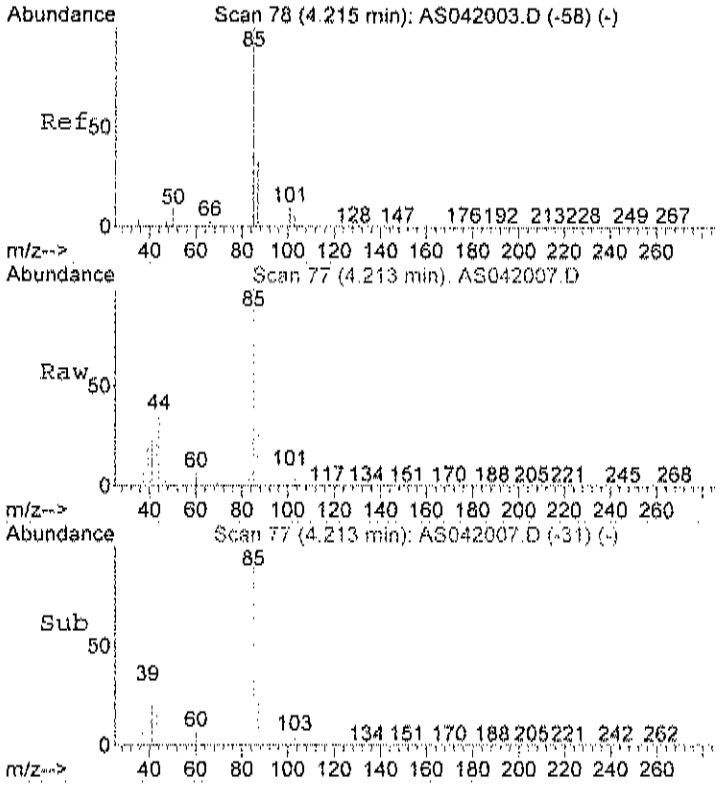
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AS042007.D Vial: 13
Acq On : 20 Apr 2021 4:07 pm Operator: RJP
Sample : C2104038-001A Inst : MSD #1
Misc : A317_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 5 8:12 2021 Quant Results File: A317_1UG.RES

Method : C:\HPCHEM\1\METHODS\A317_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed May 05 08:06:45 2021
Response via : Initial Calibration

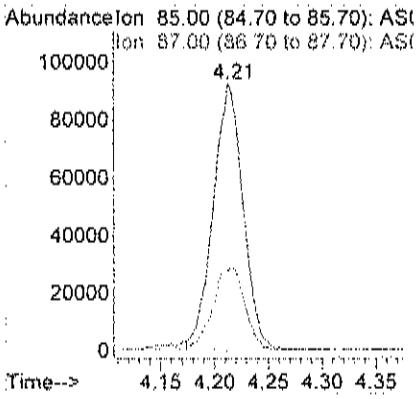


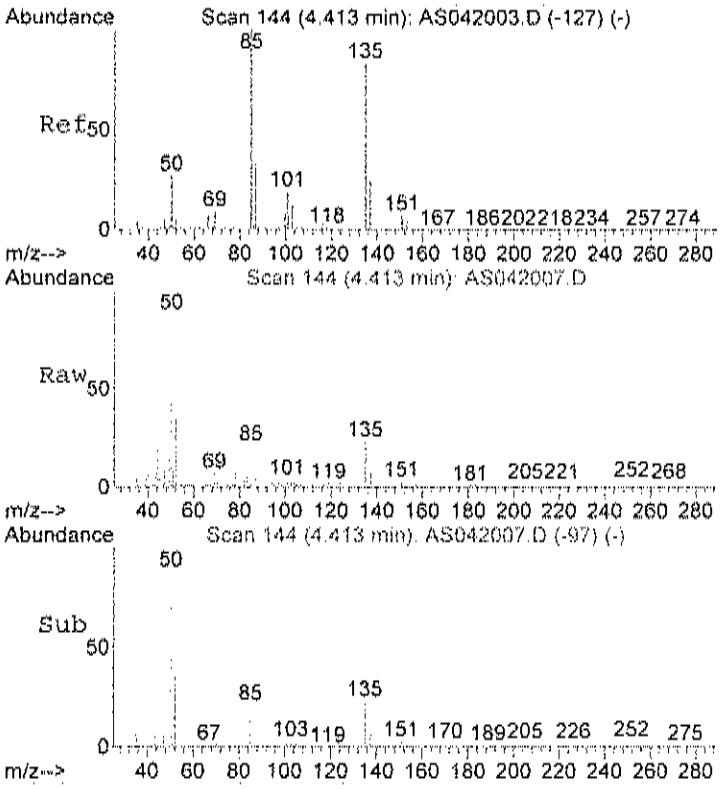


#3
Freon 12
Concen: 0.52 ppb
RT: 4.21 min Scan# 77
Delta R.T. -0.01 min
Lab File: AS042007.D
Acq: 20 Apr 2021 4:07 pm

Tgt Ion: 85 Resp: 179366

Ion	Ratio	Lower	Upper
85	100		
87	33.7	14.0	54.0

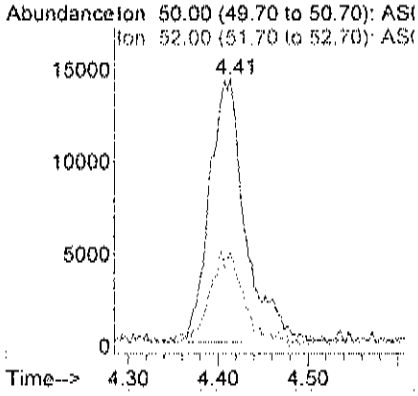


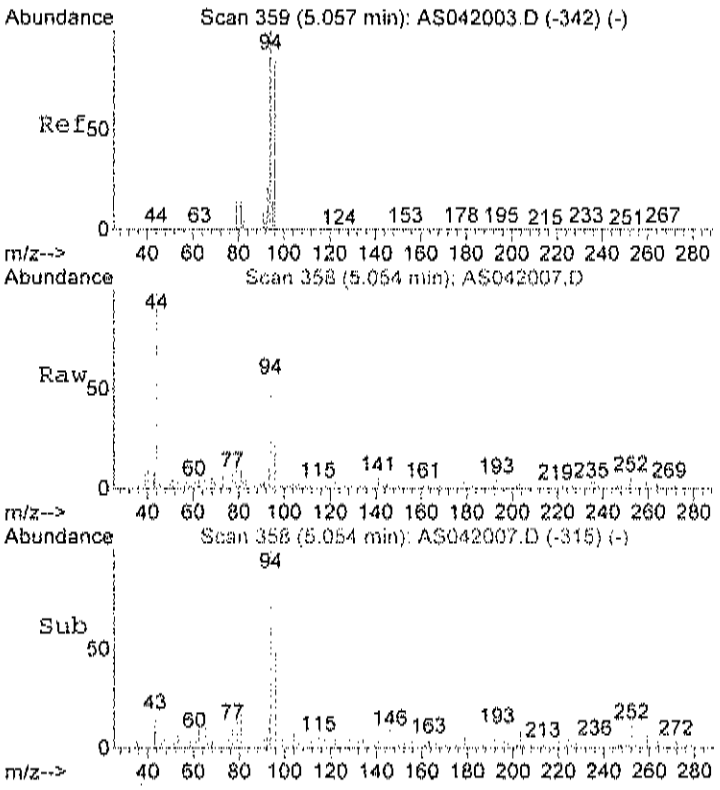


#4
Chloromethane
Concen: 0.48 ppb
RT: 4.41 min Scan# 144
Delta R.T. -0.01 min
Lab File: AS042007.D
Acq: 20 Apr 2021 4:07 pm

Tgt Ion: 50 Resp: 39509

Ion	Ratio	Lower	Upper
50	100		
52	35.2	6.5	46.5

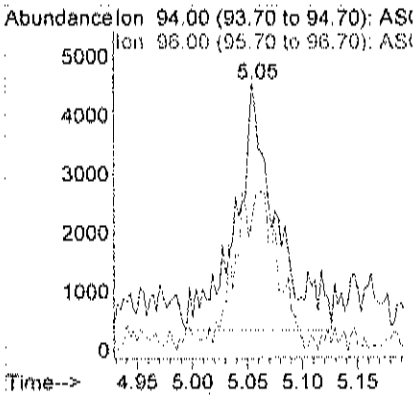


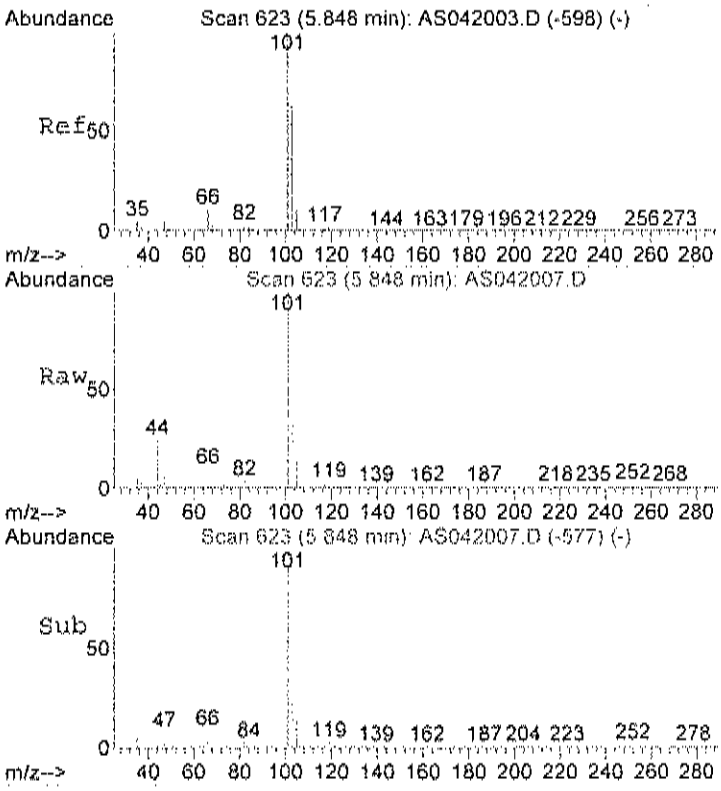


#9
Bromomethane
Concen: 0.11 ppb
RT: 5.05 min Scan# 358
Delta R.T. -0.02 min
Lab File: AS042007.D
Acq: 20 Apr 2021 4:07 pm

Tgt Ion: 94 Resp: 10882

Ion	Ratio	Lower	Upper
94	100		
96	67.4	73.7	113.7#

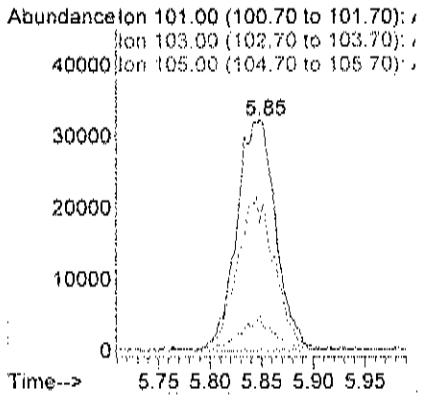


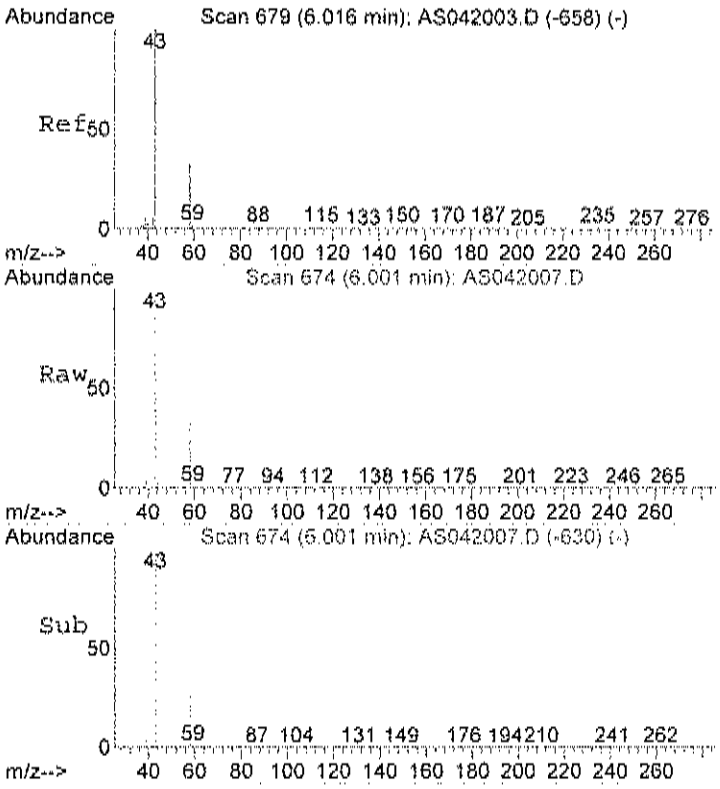


#14
Freon 11
Concen: 0.23 ppb
RT: 5.85 min Scan# 623
Delta R.T. -0.01 min
Lab File: AS042007.D
Acq: 20 Apr 2021 4:07 pm

Tgt Ion:101 Resp: 85390

Ion	Ratio	Lower	Upper
101	100		
103	63.1	44.1	84.1
105	12.3	0.0	31.3

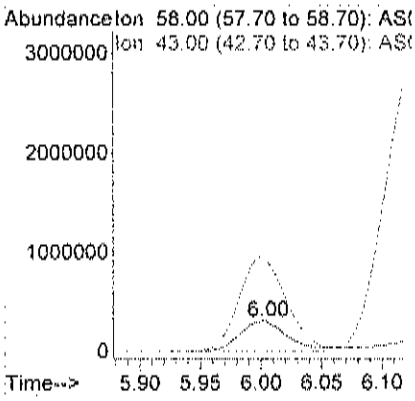


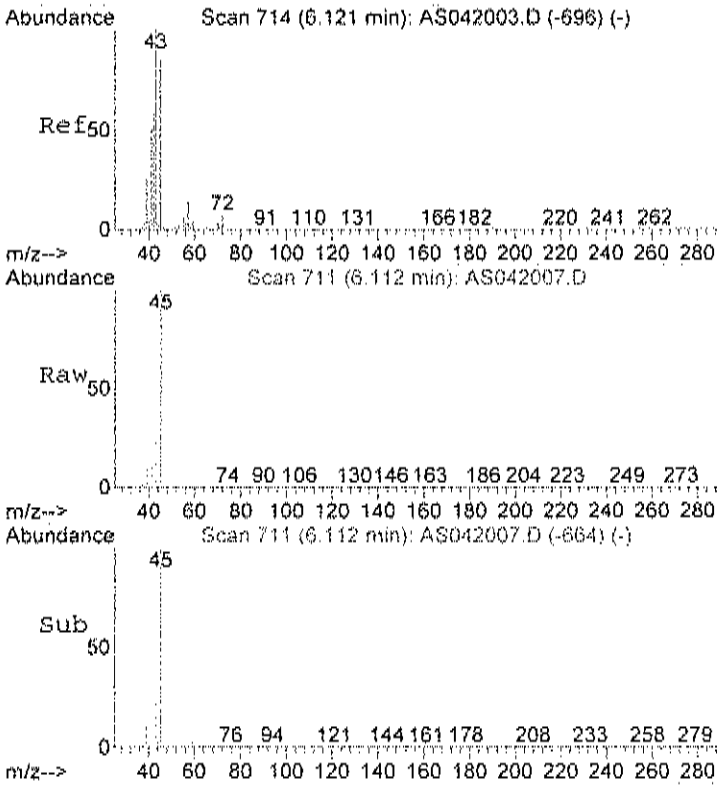


#15
Acetone
Concen: 14.41 ppb m
RT: 6.00 min Scan# 674
Delta R.T. -0.02 min
Lab File: AS042007.D
Acq: 20 Apr 2021 4:07 pm

Tgt Ion: 58 Resp: 814186

Ion	Ratio	Lower	Upper
58	100		
43	313.9	195.2	255.2#

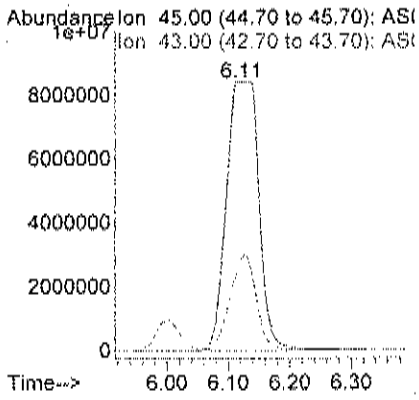


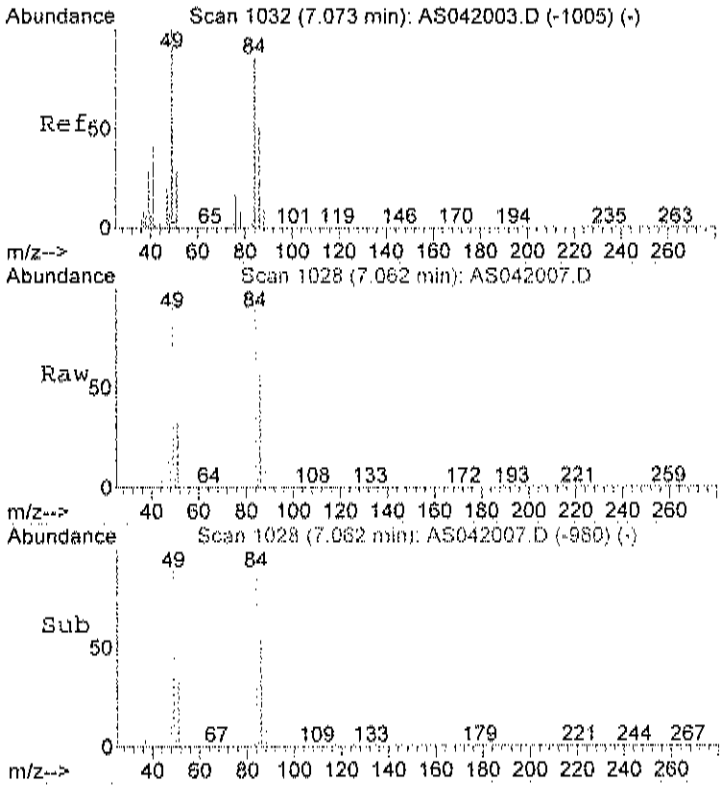


#17
Isopropyl alcohol
Concen: 212.78 ppb
RT: 6.11 min Scan# 711
Delta R.T. -0.01 min
Lab File: AS042007.D
Acq: 20 Apr 2021 4:07 pm

Tgt Ion: 45 Resp: 30895733

Ion	Ratio	Lower	Upper
45	100		
43	28.3	103.4	143.4#

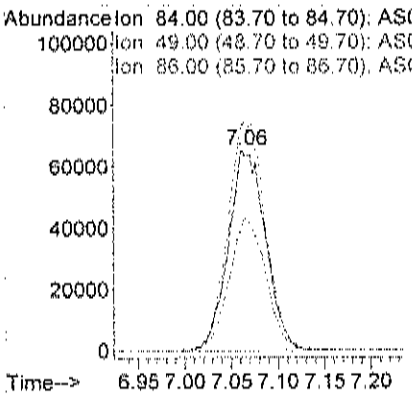


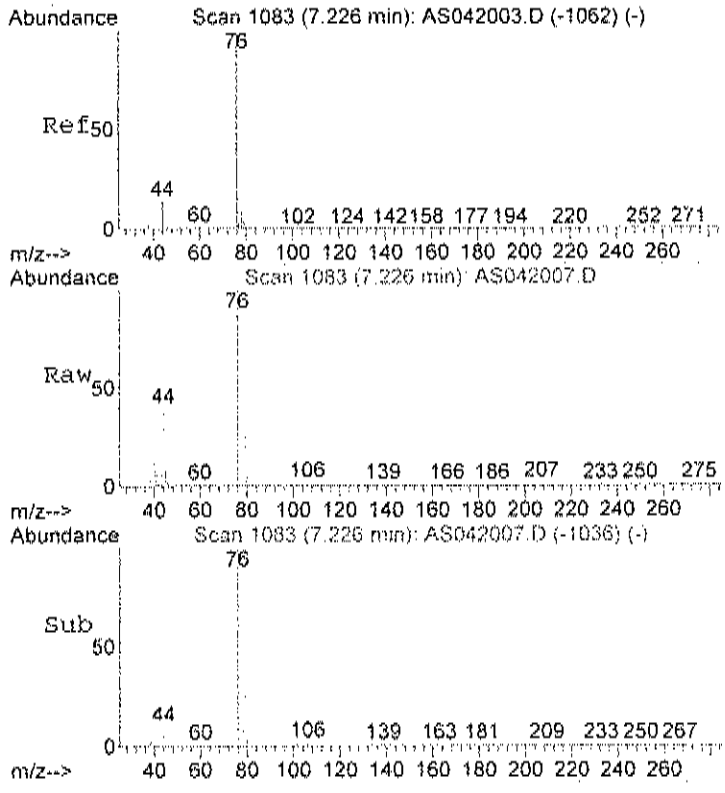


#21
Methylene chloride
Concen: 1.51 ppb
RT: 7.06 min Scan# 1028
Delta R.T. -0.01 min
Lab File: AS042007.D
Acq: 20 Apr 2021 4:07 pm

Tgt Ion: 84 Resp: 181482

Ion	Ratio	Lower	Upper
84	100		
49	114.5	94.8	134.8
86	65.9	46.1	86.1

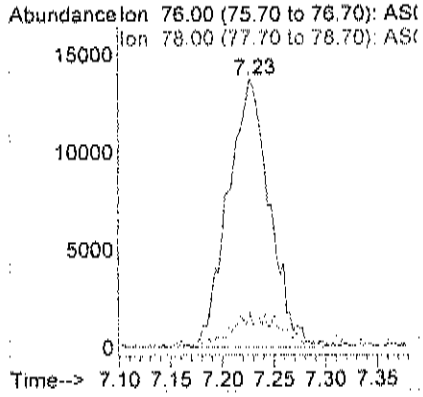


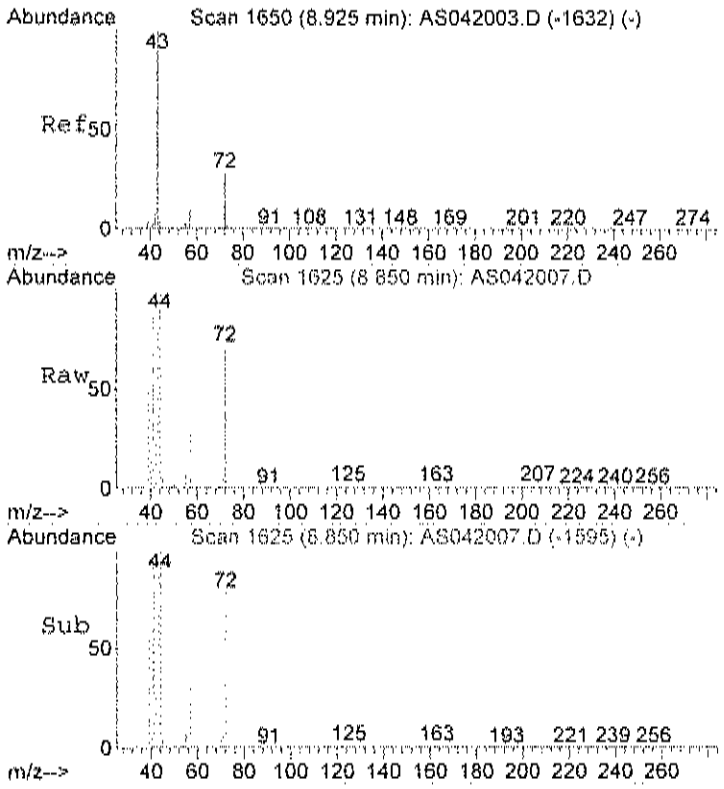


#23
Carbon disulfide
Concen: 0.11 ppb
RT: 7.23 min Scan# 1083
Delta R.T. -0.01 min
Lab File: AS042007.D
Acq: 20 Apr 2021 4:07 pm

Tgt Ion: 76 Resp: 38313

Ion	Ratio	Lower	Upper
76	100		
78	14.0	0.0	30.6

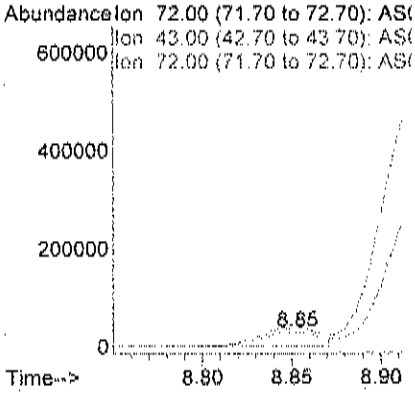


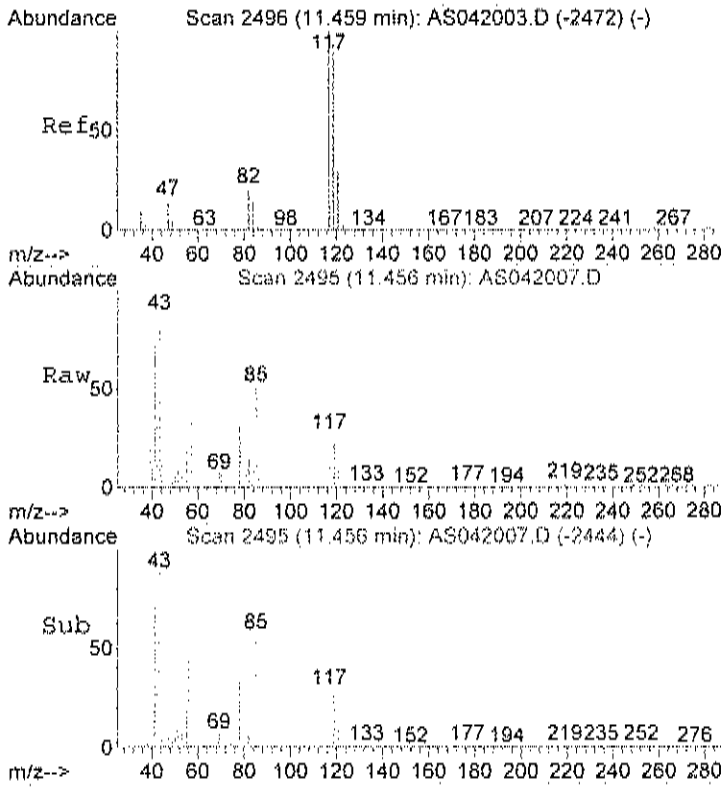


#28
Methyl Ethyl Ketone
Concen: 1.40 ppb m
RT: 8.85 min Scan# 1625
Delta R.T. -0.06 min
Lab File: AS042007.D
Acq: 20 Apr 2021 4:07 pm

Tgt Ion: 72 Resp: 68797

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

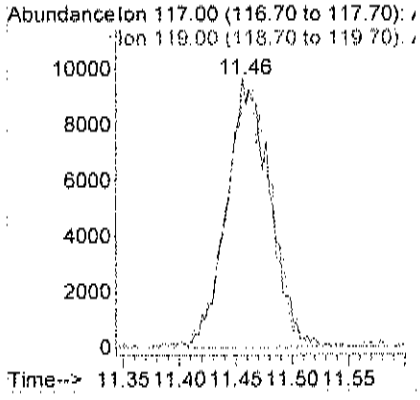


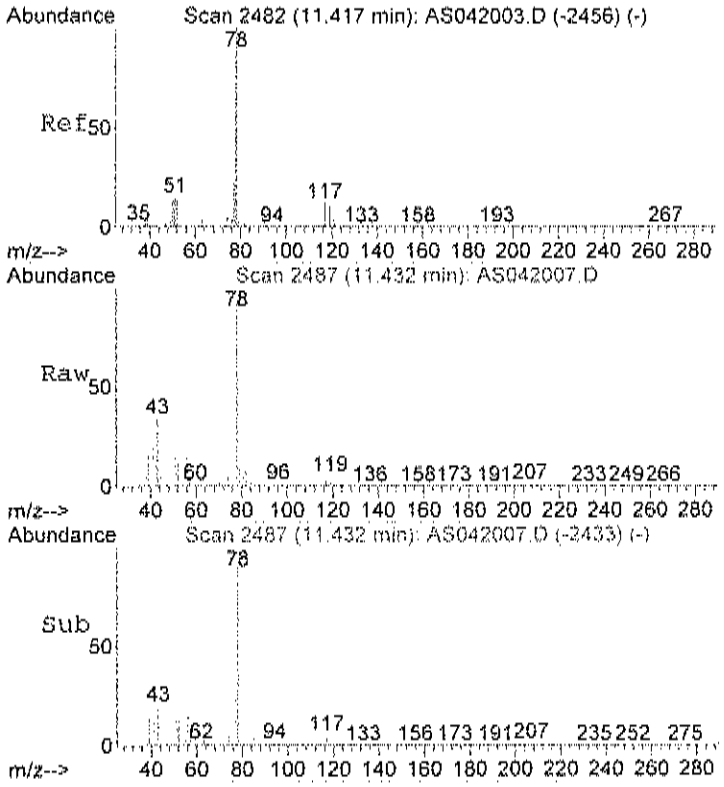


#38
Carbon tetrachloride
Concen: 0.08 ppb
RT: 11.46 min Scan# 2495
Delta R.T. 0.00 min
Lab File: AS042007.D
Acq: 20 Apr 2021 4:07 pm

Tgt Ion:117 Resp: 25597

Ion	Ratio	Lower	Upper
117	100		
119	100.1	75.8	115.8

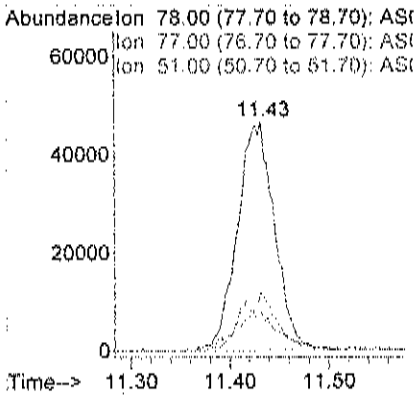


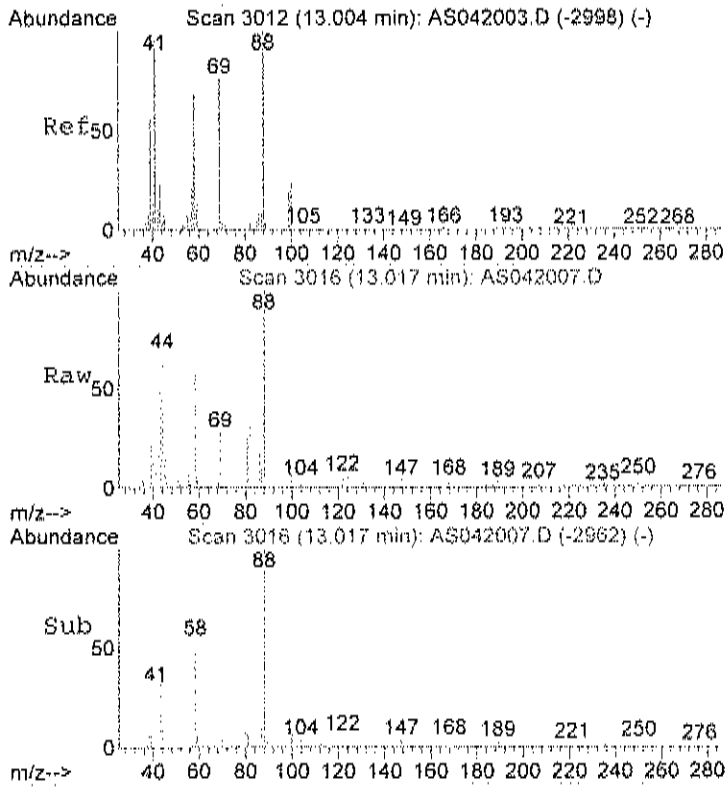


#39
Benzene
Concen: 0.36 ppb
RT: 11.43 min Scan# 2487
Delta R.T. 0.01 min
Lab File: AS042007.D
Acq: 20 Apr 2021 4:07 pm

Tgt Ion: 78 Resp: 121381

Ion	Ratio	Lower	Upper
78	100		
77	25.5	3.3	43.3
51	22.6	0.0	35.4

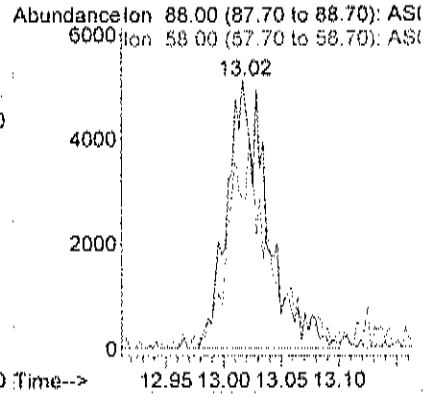


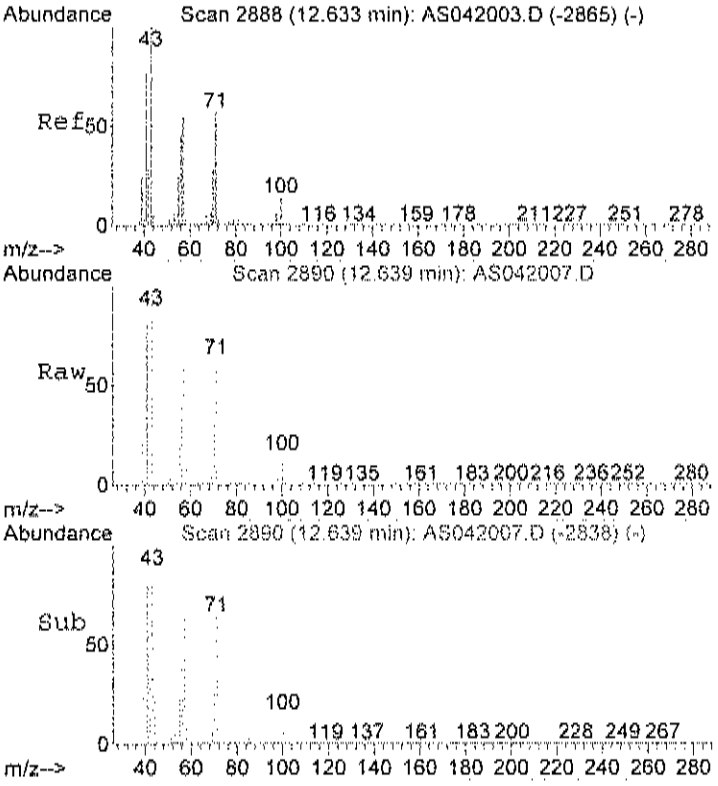


#41
1,4-dioxane
Concen: 0.17 ppb
RT: 13.02 min Scan# 3016
Delta R.T. 0.01 min
Lab File: AS042007.D
Acq: 20 Apr 2021 4:07 pm

Tgt Ion: 88 Resp: 12328

Ion	Ratio	Lower	Upper
88	100		
58	78.2	44.9	84.9

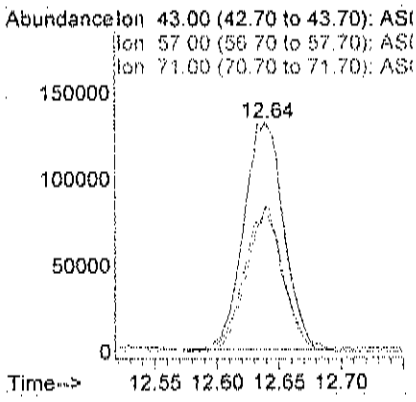


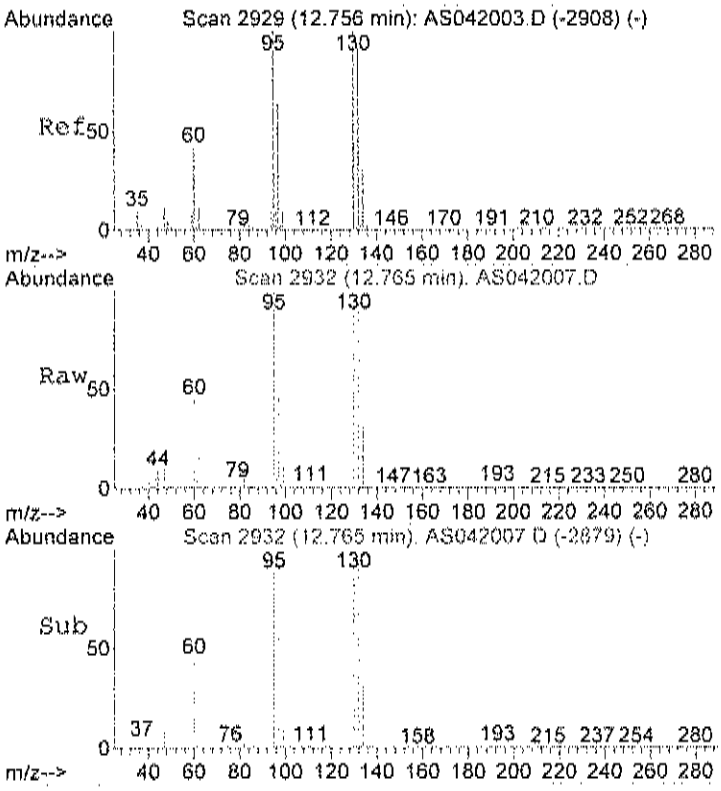


#43
Heptane
Concen: 2.07 ppb
RT: 12.64 min Scan# 2890
Delta R.T. 0.01 min
Lab File: AS042007.D
Acq: 20 Apr 2021 4:07 pm

Tgt Ion: 43 Resp: 299357

Ion	Ratio	Lower	Upper
43	100		
57	60.7	40.0	80.0
71	58.3	46.8	86.8

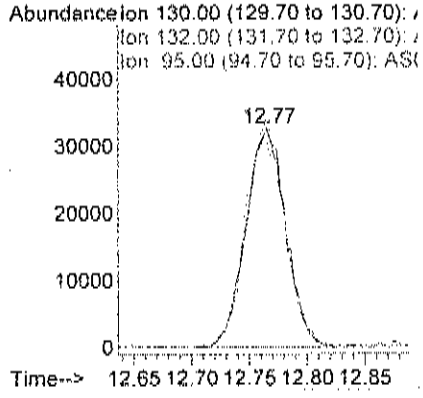


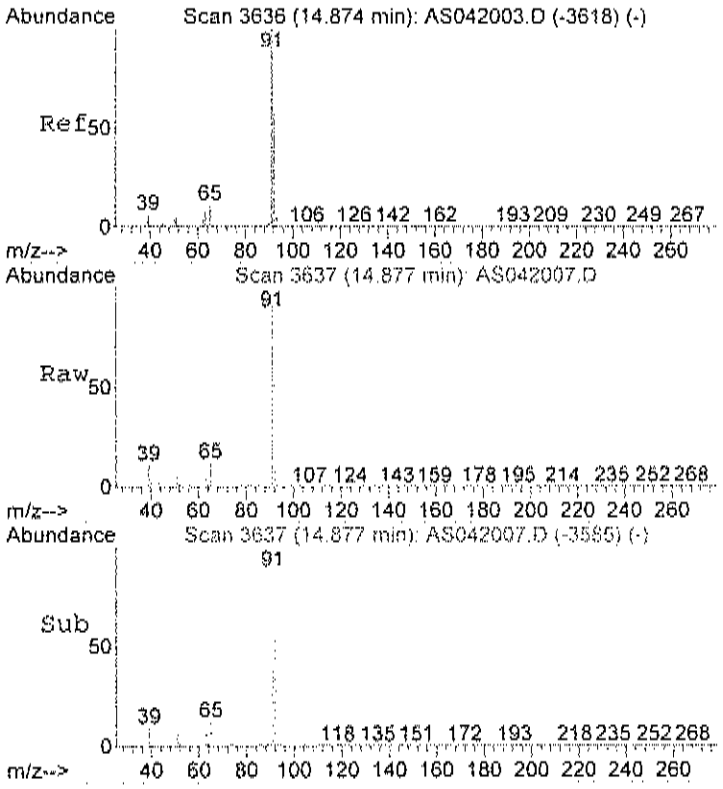


#44
Trichloroethene
Concen: 0.44 ppb
RT: 12.77 min Scan# 2932
Delta R.T. 0.01 min
Lab File: AS042007.D
Acq: 20 Apr 2021 4:07 pm

Tgt Ion:130 Resp: 78791

Ion	Ratio	Lower	Upper
130	100		
132	96.5	76.4	116.4
95	101.3	79.9	119.9

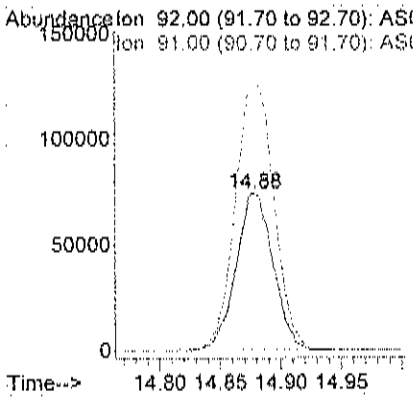


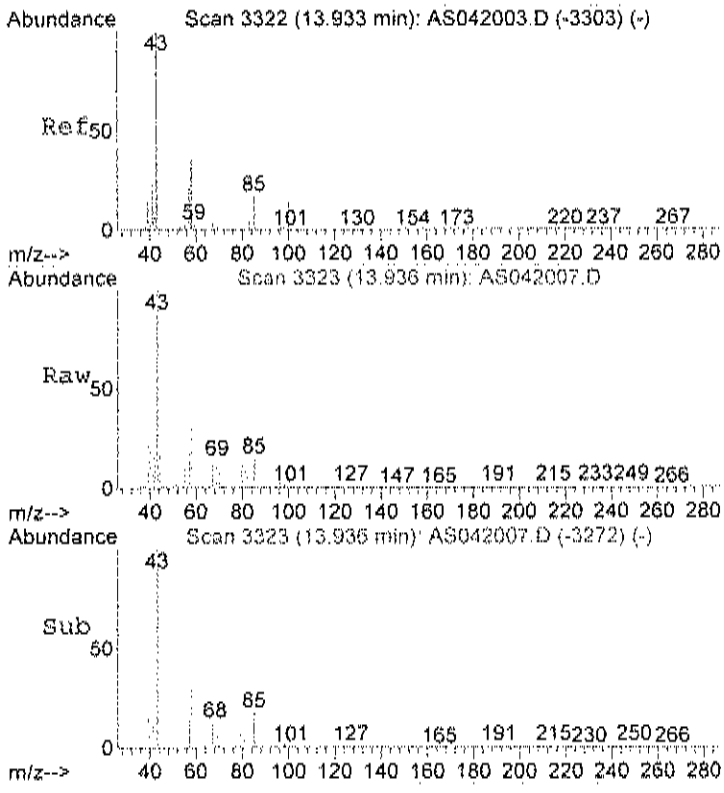


#51
Toluene
Concen: 0.71 ppb
RT: 14.88 min Scan# 3637
Delta R.T. 0.01 min
Lab File: AS042007.D
Acq: 20 Apr 2021 4:07 pm

Tgt Ion: 92 Resp: 157772

Ion	Ratio	Lower	Upper
92	100		
91	178.0	154.0	194.0

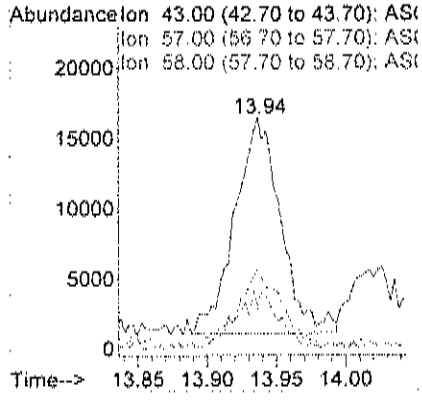


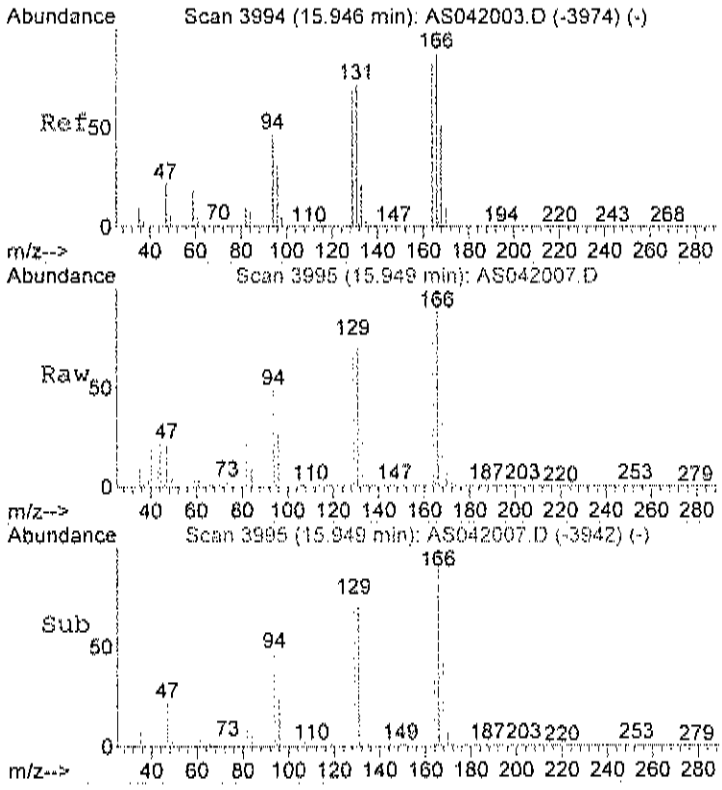


#52
Methyl Isobutyl Ketone
Concen: 0.17 ppb
RT: 13.94 min Scan# 3323
Delta R.T. 0.00 min
Lab File: AS042007.D
Acq: 20 Apr 2021 4:07 pm

Tgt Ion: 43 Resp: 35493

Ion	Ratio	Lower	Upper
43	100		
57	25.1	8.9	48.9
58	33.9	25.1	65.1

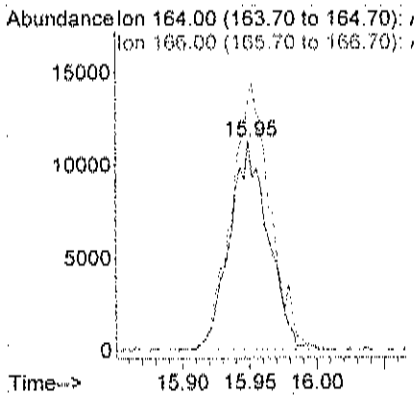


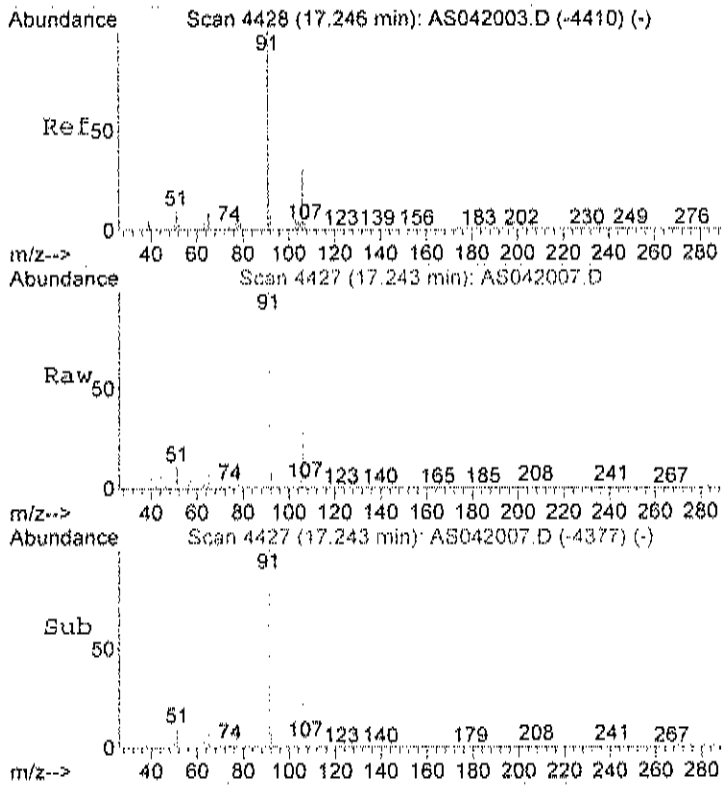


#56
Tetrachloroethylene
Concen: 0.12 ppb
RT: 15.95 min Scan# 3995
Delta R.T. 0.01 min
Lab File: AS042007.D
Acq: 20 Apr 2021 4:07 pm

Tgt Ion:164 Resp: 22365

Ion	Ratio	Lower	Upper
164	100		
166	128.1	110.5	150.5

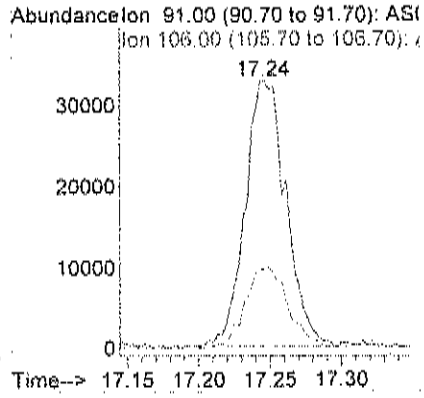


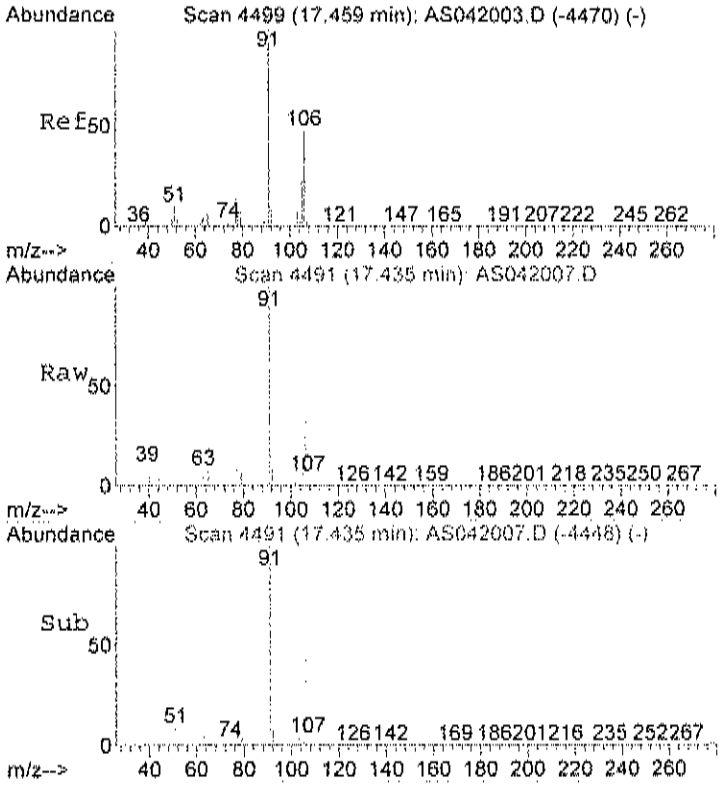


#58
Ethylbenzene
Concen: 0.14 ppb
RT: 17.24 min Scan# 4427
Delta R.T. -0.00 min
Lab File: AS042007.D
Acq: 20 Apr 2021 4:07 pm

Tgt Ion: 91 Resp: 65290

Ion	Ratio	Lower	Upper
91	100		
106	31.9	12.3	52.3

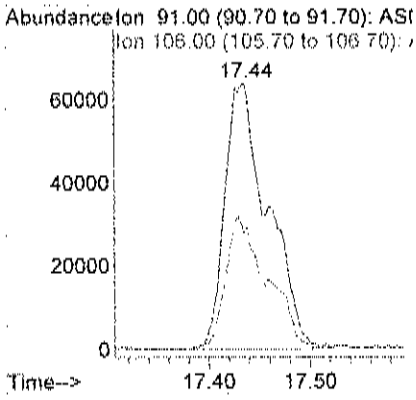


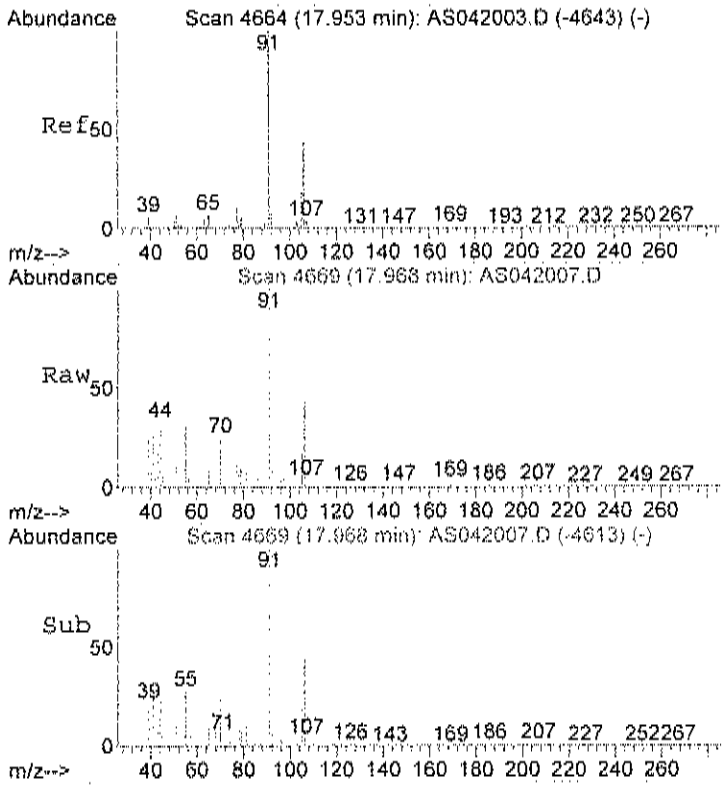


#59
m&p-xylene
Concen: 0.47 ppb
RT: 17.44 min Scan# 4491
Delta R.T. -0.02 min
Lab File: AS042007.D
Acq: 20 Apr 2021 4:07 pm

Tgt Ion: 91 Resp: 188872

Ion	Ratio	Lower	Upper
91	100		
106	48.7	30.4	70.4

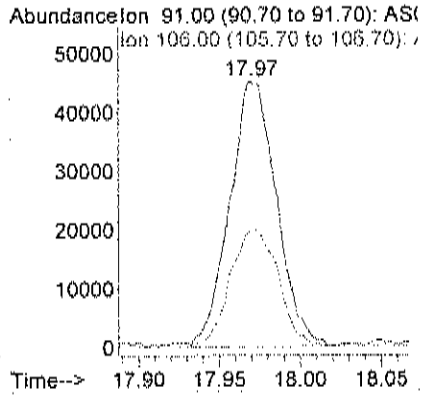


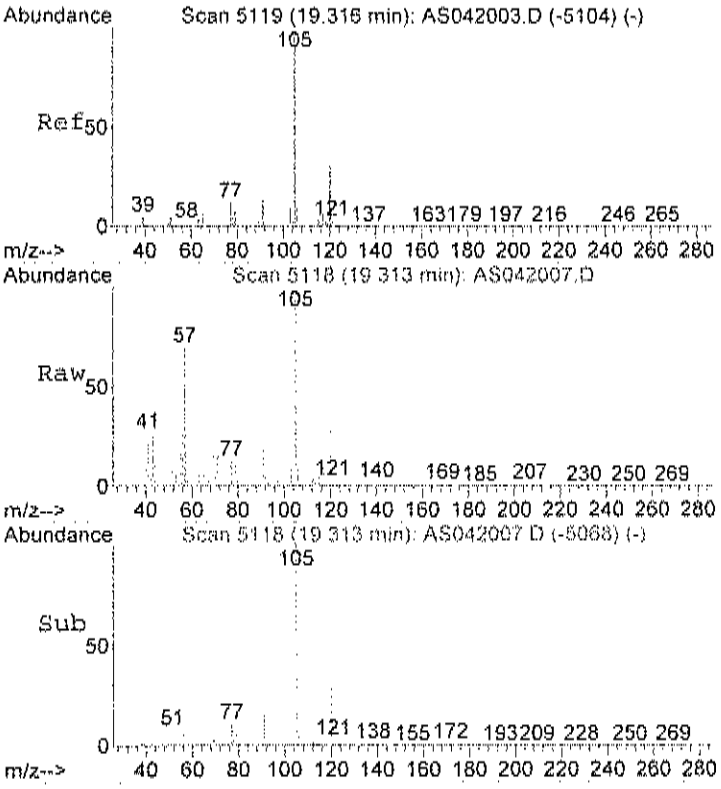


#63
o-xylene
Concen: 0.20 ppb
RT: 17.97 min Scan# 4669
Delta R.T. 0.02 min
Lab File: AS042007.D
Acq: 20 Apr 2021 4:07 pm

Tgt Ion: 91 Resp: 90866

Ion	Ratio	Lower	Upper
91	100		
106	46.2	28.2	68.2

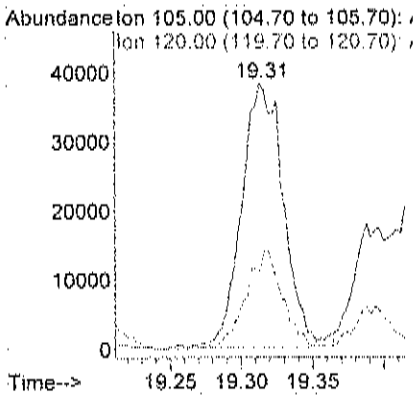


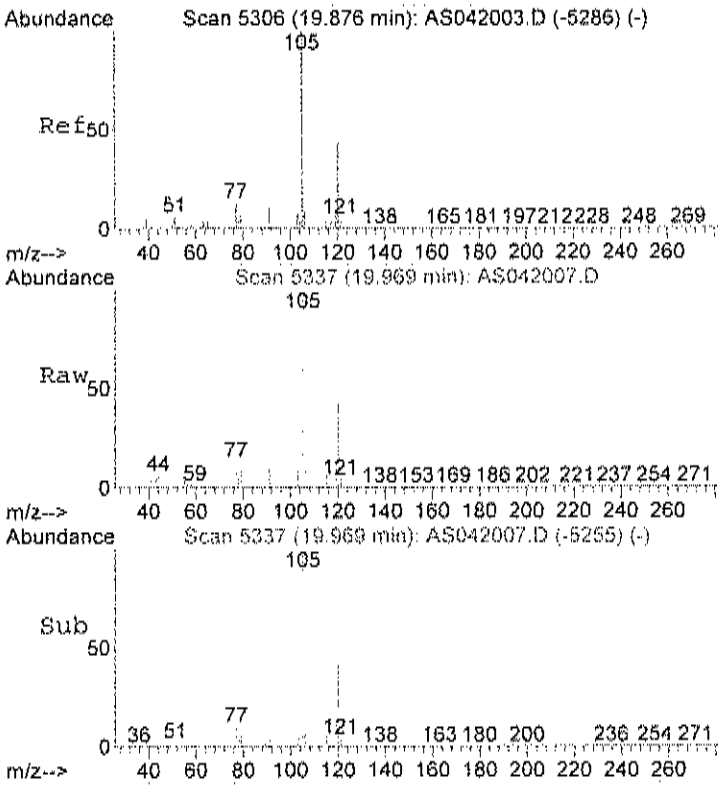


#69
4-ethyltoluene
Concen: 0.14 ppb
RT: 19.31 min Scan# 5118
Delta R.T. -0.00 min
Lab File: AS042007.D
Acq: 20 Apr 2021 4:07 pm

Tgt Ion:105 Resp: 77890

Ion	Ratio	Lower	Upper
105	100		
120	33.2	10.7	50.7

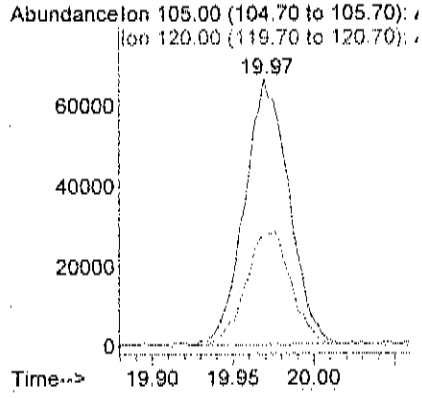




#71
1,2,4-trimethylbenzene
Concen: 0.29 ppb
RT: 19.97 min Scan# 5337
Delta R.T. 0.10 min
Lab File: AS042007.D
Acq: 20 Apr 2021 4:07 pm

Tgt Ion:105 Resp: 126329

Ion	Ratio	Lower	Upper
105	100		
120	44.3	26.0	66.0



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AS042019.D Vial: 13
Acq On : 21 Apr 2021 1:10 am Operator: RJP
Sample : C2104038-001A 10X Inst : MSD #1
Misc : A317_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 21 09:23:31 2021 Quant Results File: A317_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A317_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Mon Apr 12 12:02:39 2021
Response via : Initial Calibration
DataAcq Meth : 1UG_ENT

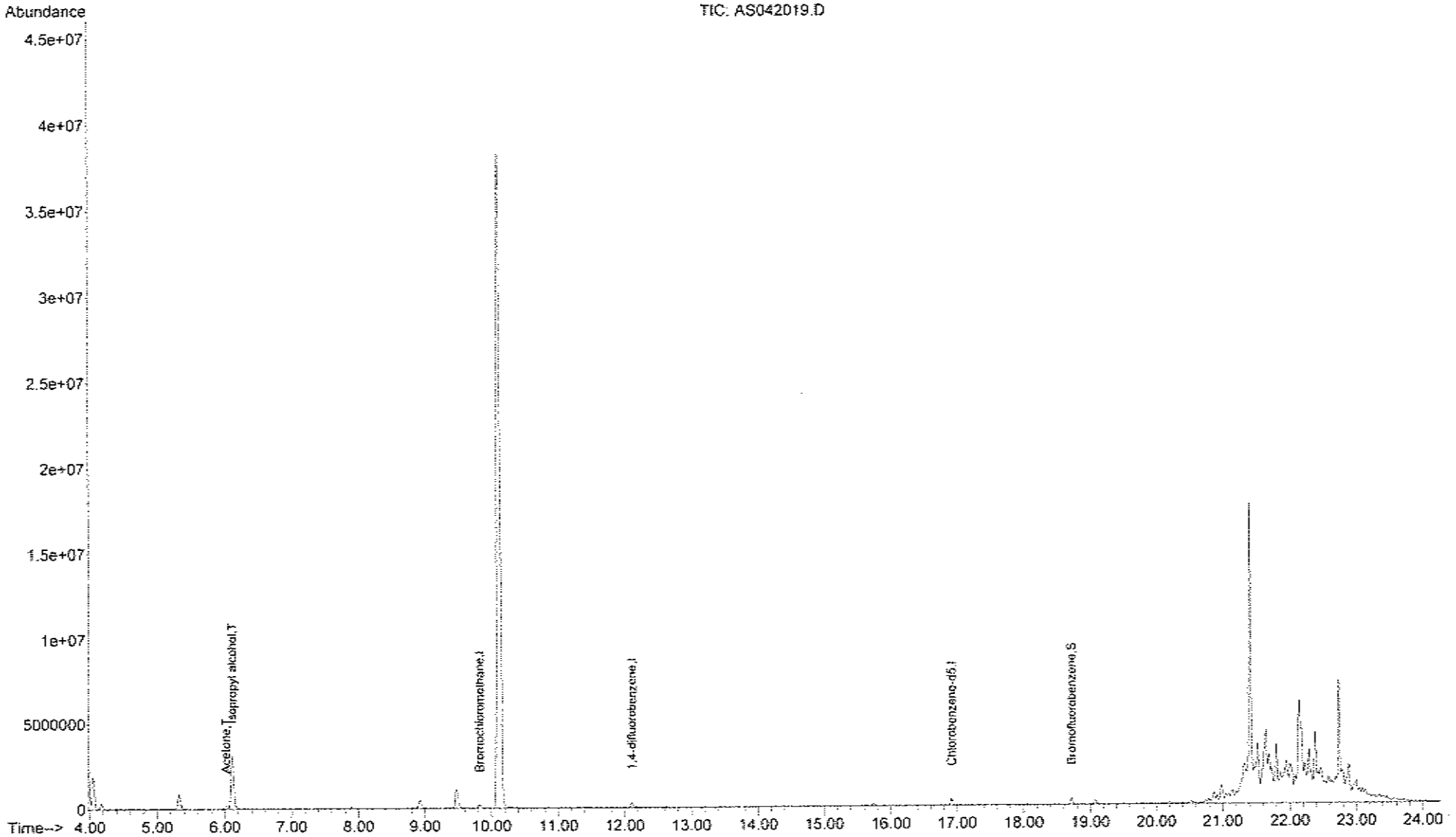
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	9.82	128	81361	1.00	ppb	0.01
35) 1,4-difluorobenzene	12.11	114	300083	1.00	ppb	0.00
50) Chlorobenzene-d5	16.92	117	272194	1.00	ppb	0.00
System Monitoring Compounds						
65) Bromofluorobenzene	18.71	95	178798	0.87	ppb	0.05
Spiked Amount 1.000	Range 70 - 130		Recovery = 87.00%			
Target Compounds						Qvalue
15) Acetone	6.01	58	107867m	2.16	ppb	
17) Isopropyl alcohol	6.11	45	5462044	42.66	ppb	# 11

(#) = qualifier out of range (m) = manual integration (+) = signals summed
AS042019.D A317_1UG.M Wed May 05 08:19:59 2021 MSD1 Page 1

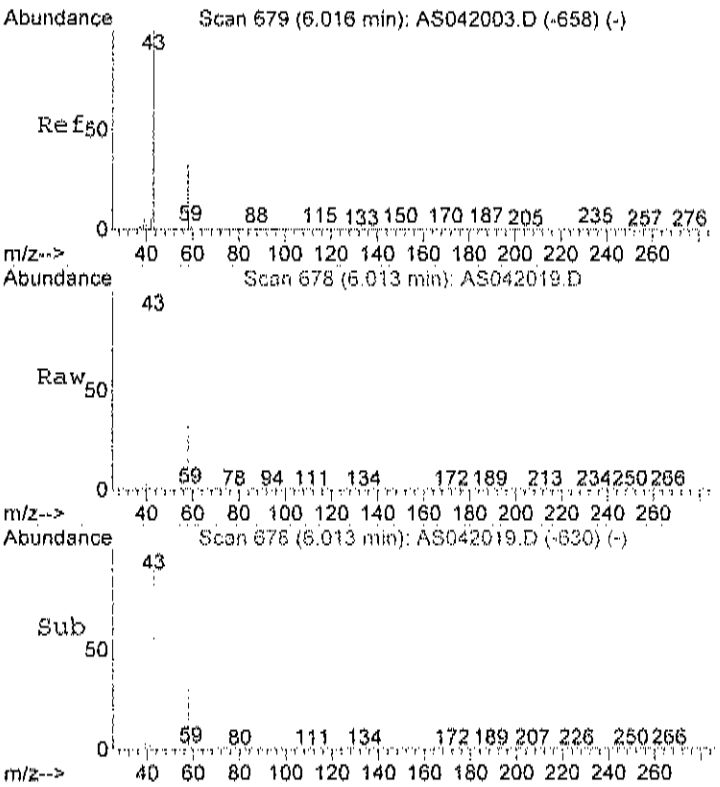
Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AS042019.D Vial: 13
Acq On : 21 Apr 2021 1:10 am Operator: RJP
Sample : C2104038-001A 10X Inst : MSD #1
Misc : A317_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 5 8:14 2021 Quant Results File: A317_1UG.RES

Method : C:\HPCHEM\1\METHODS\A317_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed May 05 08:06:45 2021
Response via : Initial Calibration



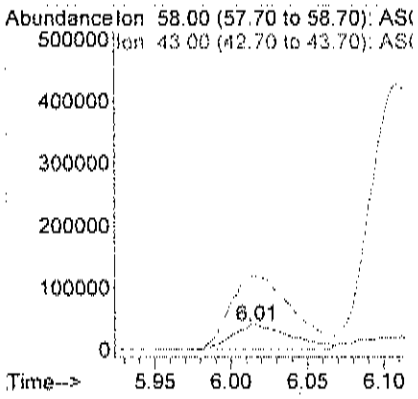
AS042019.D A317_1UG.M Wed May 05 08:20:00 2021 MSD1

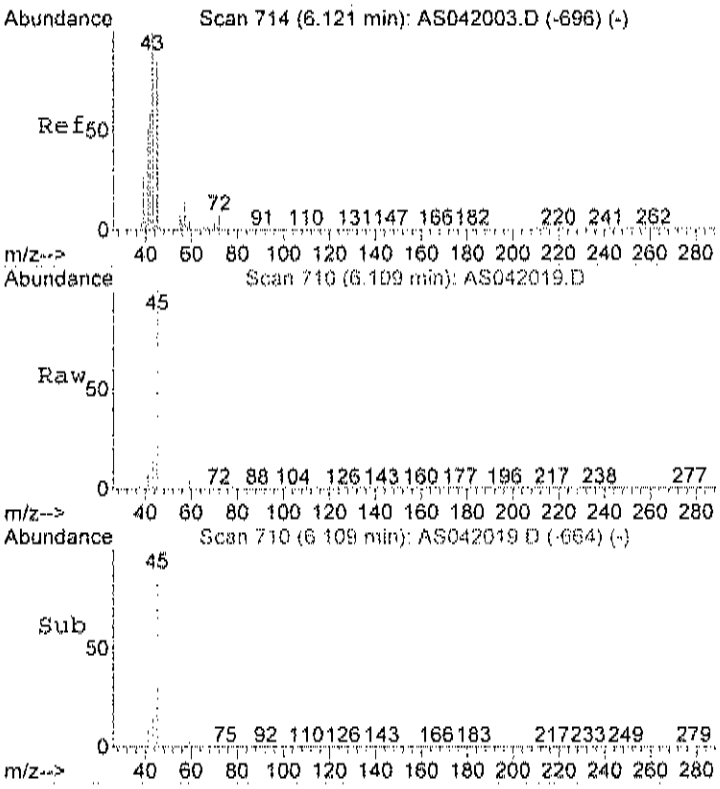


#15
Acetone
Concen: 2.16 ppb m
RT: 6.01 min Scan# 678
Delta R.T. -0.01 min
Lab File: AS042019.D
Acq: 21 Apr 2021 1:10 am

Tgt Ion: 58 Resp: 107867

Ion	Ratio	Lower	Upper
58	100		
43	318.7	195.2	255.2#

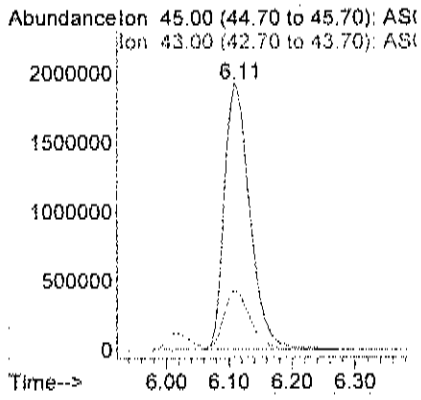




#17
Isopropyl alcohol
Concen: 42.66 ppb
RT: 6.11 min Scan# 710
Delta R.T. -0.01 min
Lab File: AS042019.D
Acq: 21 Apr 2021 1:10 am

Tgt Ion: 45 Resp: 5462044

Ion	Ratio	Lower	Upper
45	100		
43	22.8	103.4	143.4#



 Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AS042108.D Vial: 13
Acq On : 21 Apr 2021 4:34 pm Operator: WD
Sample : C2104038-001A 320X Inst : MSD #1
Misc : A317_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 22 11:46:13 2021 Quant Results File: A317_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A317_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Mon Apr 12 12:02:39 2021
Response via : Initial Calibration
DataAcq Meth : 1UG_ENT

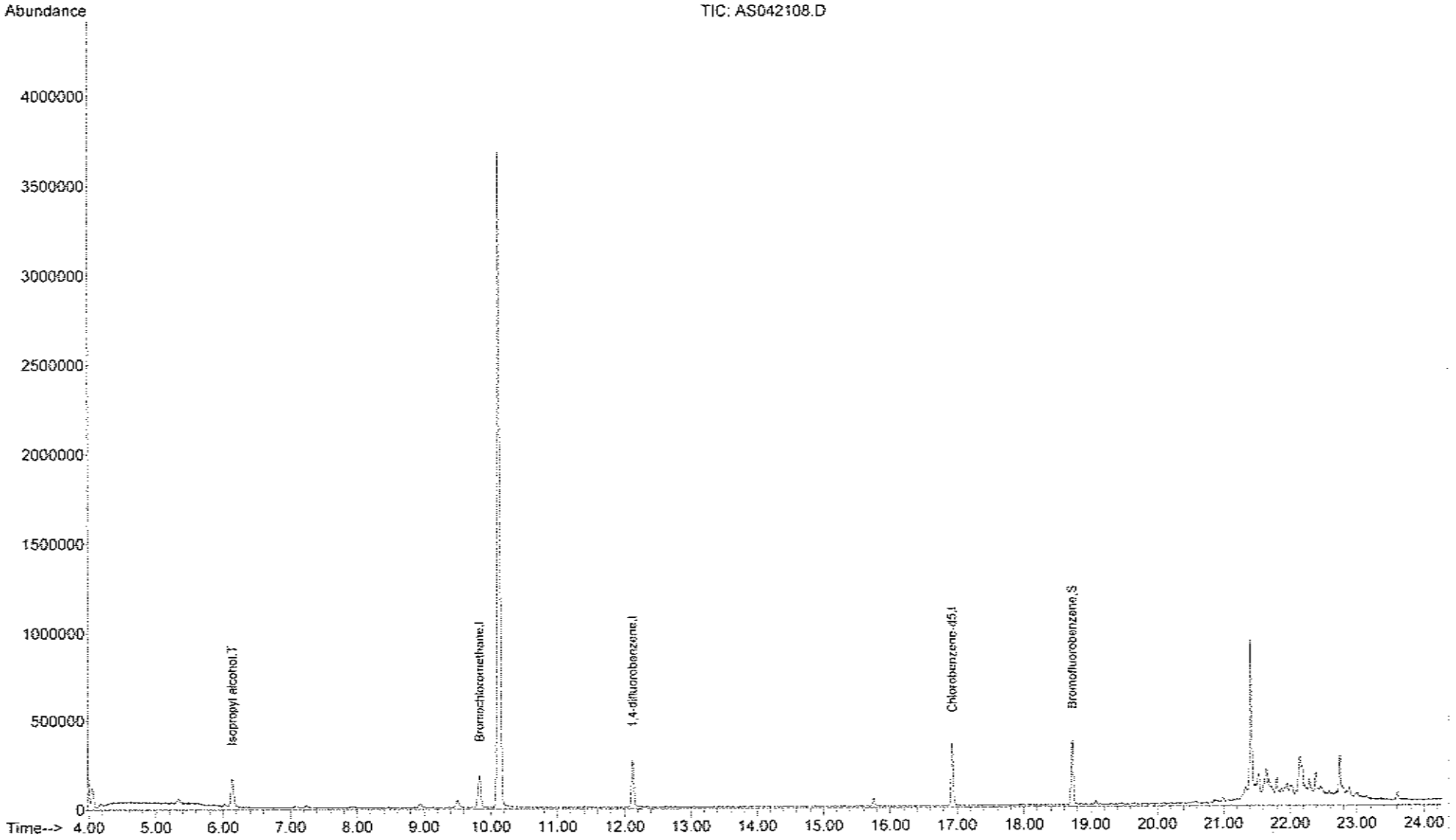
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	9.83	128	79111	1.00	ppb	0.02
35) 1,4-difluorobenzene	12.12	114	276892	1.00	ppb	0.01
50) Chlorobenzene-d5	16.93	117	240178	1.00	ppb	0.01
System Monitoring Compounds						
65) Bromofluorobenzene	18.72	95	153037	0.84	ppb	0.06
Spiked Amount 1.000	Range 70 - 130		Recovery = 84.00%			
Target Compounds						Qvalue
17) Isopropyl alcohol	6.14	45	261070	2.10	ppb	# 17

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

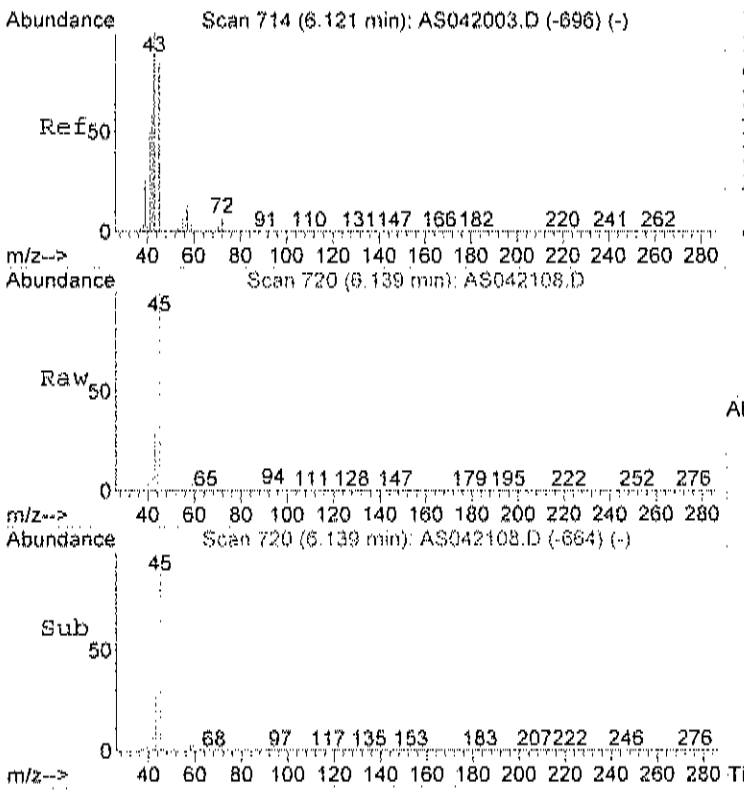
Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AS042108.D Vial: 13
Acq On : 21 Apr 2021 4:34 pm Operator: WD
Sample : C2104038-001A 320X Inst : MSD #1
Misc : A317_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 5 8:14 2021 Quant Results File: A317_1UG.RES

Method : C:\HPCHEM\1\METHODS\A317_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed May 05 08:06:45 2021
Response via : Initial Calibration



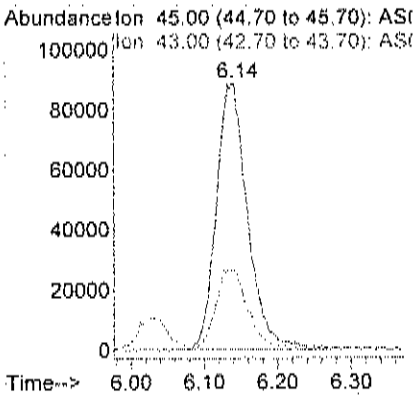
AS042108.D A317_1UG.M Wed May 05 08:20:13 2021 MSD1



#17
Isopropyl alcohol
Concen: 2.10 ppb
RT: 6.14 min Scan# 720
Delta R.T. 0.02 min
Lab File: AS042108.D
Acq: 21 Apr 2021 4:34 pm

Tgt Ion: 45 Resp: 261070

Ion	Ratio	Lower	Upper
45	100		
43	30.2	103.4	143.4#



Data File : C:\HPCHEM\1\DATA\AS042122.D Vial: 13
Acq On : 22 Apr 2021 12:18 pm Operator: WD
Sample : C2104038-001A 640X Inst : MSD #1
Misc : A317_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 22 12:44:00 2021 Quant Results File: A317_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A317_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Mon Apr 12 12:02:39 2021
Response via : Initial Calibration
DataAcq Meth : 1UG_ENT

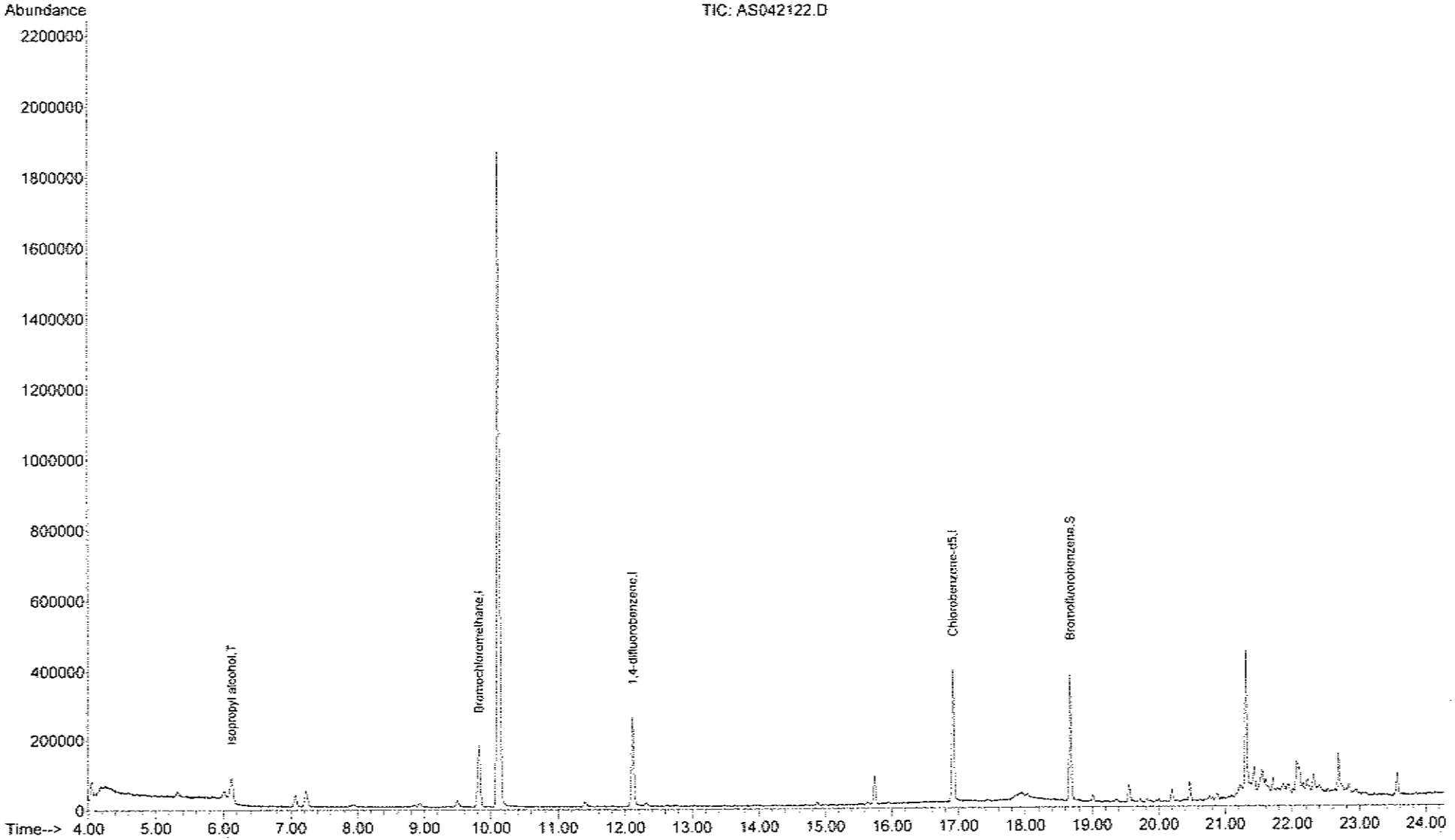
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	9.82	128	75659	1.00	ppb	0.00
35) 1,4-difluorobenzene	12.11	114	262644	1.00	ppb	0.00
50) Chlorobenzene-d5	16.92	117	262673	1.00	ppb	0.00
System Monitoring Compounds						
65) Bromofluorobenzene	18.67	95	142756	0.72	ppb	0.00
Spiked Amount 1.000	Range 70 - 130		Recovery = 72.00%			
Target Compounds						Qvalue
17) Isopropyl alcohol	6.12	45	96265	0.81	ppb	# 1

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

Quantitation Report (QT Reviewed)

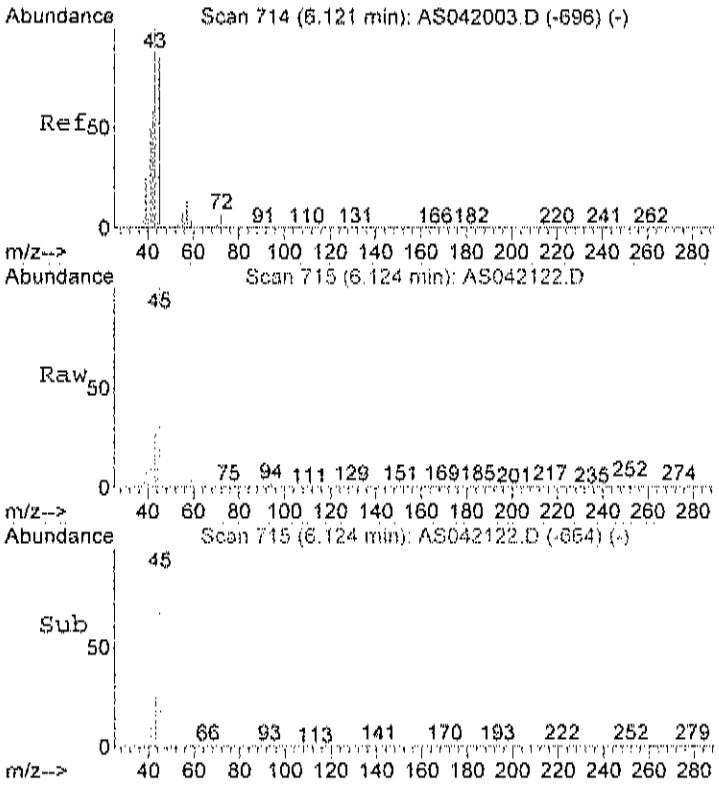
Data File : C:\HPCHEM\1\DATA\AS042122.D Vial: 13
Acq On : 22 Apr 2021 12:18 pm Operator: WD
Sample : C2104038-001A 640X Inst : MSD #1
Misc : A317_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 5 8:17 2021 Quant Results File: A317_1UG.RES

Method : C:\HPCHEM\1\METHODS\A317_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed May 05 08:06:45 2021
Response via : Initial Calibration



AS042122.D A317_1UG.M Wed May 05 08:20:17 2021 MSD1

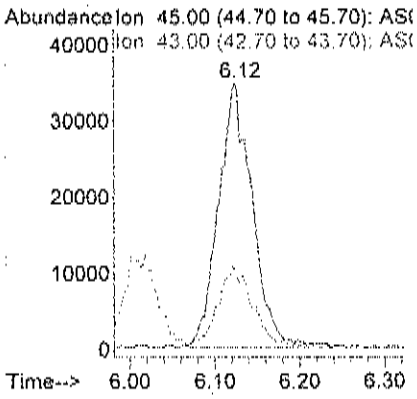
Page 2



#17
Isopropyl alcohol
Concen: 0.81 ppb
RT: 6.12 min Scan# 715
Delta R.T. 0.00 min
Lab File: AS042122.D
Acq: 22 Apr 2021 12:18 pm

Tgt Ion: 45 Resp: 96265

Ion	Ratio	Lower	Upper
45	100		
43	0.0	103.4	143.4#



Centek Laboratories, LLC

Date: *05-May-21*

CLIENT:	LaBella Associates, P.C.	**Client Sample ID:**	OA (4/15/21)
Lab Order:	C2104038	**Tag Number:**	550,271
Project:	1500 Jefferson Road	**Collection Date:**	4/15/2021
Lab ID:	C2104038-002A	**Matrix:**	AIR

Analyses	Result	DL	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		FLD				Analyst:
Lab Vacuum In	0			"Hg		4/16/2021
Lab Vacuum Out	-30			"Hg		4/16/2021
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		TO-15				Analyst: **WD**
1,1,1-Trichloroethane	< 0.15	0.15		ppbV	1	4/20/2021 6:36:00 PM
1,1,2,2-Tetrachloroethane	< 0.15	0.15		ppbV	1	4/20/2021 6:36:00 PM
1,1,2-Trichloroethane	< 0.15	0.15		ppbV	1	4/20/2021 6:36:00 PM
1,1-Dichloroethane	< 0.15	0.15		ppbV	1	4/20/2021 6:36:00 PM
1,1-Dichloroethene	< 0.040	0.040		ppbV	1	4/20/2021 6:36:00 PM
1,2,4-Trichlorobenzene	< 0.15	0.15		ppbV	1	4/20/2021 6:36:00 PM
1,2,4-Trimethylbenzene	< 0.15	0.15		ppbV	1	4/20/2021 6:36:00 PM
1,2-Dibromoethane	< 0.15	0.15		ppbV	1	4/20/2021 6:36:00 PM
1,2-Dichlorobenzene	< 0.15	0.15		ppbV	1	4/20/2021 6:36:00 PM
1,2-Dichloroethane	< 0.15	0.15		ppbV	1	4/20/2021 6:36:00 PM
1,2-Dichloropropane	< 0.15	0.15		ppbV	1	4/20/2021 6:36:00 PM
1,3,5-Trimethylbenzene	< 0.15	0.15		ppbV	1	4/20/2021 6:36:00 PM
1,3-butadiene	< 0.15	0.15		ppbV	1	4/20/2021 6:36:00 PM
1,3-Dichlorobenzene	< 0.15	0.15		ppbV	1	4/20/2021 6:36:00 PM
1,4-Dichlorobenzene	< 0.15	0.15		ppbV	1	4/20/2021 6:36:00 PM
1,4-Dioxane	< 0.30	0.30		ppbV	1	4/20/2021 6:36:00 PM
2,2,4-trimethylpentane	< 0.15	0.15		ppbV	1	4/20/2021 6:36:00 PM
4-ethyltoluene	< 0.15	0.15		ppbV	1	4/20/2021 6:36:00 PM
Acetone	6.5	3.0		ppbV	10	4/21/2021 1:53:00 AM
Allyl chloride	< 0.15	0.15		ppbV	1	4/20/2021 6:36:00 PM
Benzene	0.13	0.15	J	ppbV	1	4/20/2021 6:36:00 PM
Benzyl chloride	< 0.15	0.15		ppbV	1	4/20/2021 6:36:00 PM
Bromodichloromethane	< 0.15	0.15		ppbV	1	4/20/2021 6:36:00 PM
Bromoform	< 0.15	0.15		ppbV	1	4/20/2021 6:36:00 PM
Bromomethane	< 0.15	0.15		ppbV	1	4/20/2021 6:36:00 PM
Carbon disulfide	< 0.15	0.15		ppbV	1	4/20/2021 6:36:00 PM
Carbon tetrachloride	0.070	0.030		ppbV	1	4/20/2021 6:36:00 PM
Chlorobenzene	< 0.15	0.15		ppbV	1	4/20/2021 6:36:00 PM
Chloroethane	< 0.15	0.15		ppbV	1	4/20/2021 6:36:00 PM
Chloroform	< 0.15	0.15		ppbV	1	4/20/2021 6:36:00 PM
Chloromethane	0.40	0.15		ppbV	1	4/20/2021 6:36:00 PM
cis-1,2-Dichloroethene	< 0.040	0.040		ppbV	1	4/20/2021 6:36:00 PM
cis-1,3-Dichloropropene	< 0.15	0.15		ppbV	1	4/20/2021 6:36:00 PM
Cyclohexane	< 0.15	0.15		ppbV	1	4/20/2021 6:36:00 PM
Dibromochloromethane	< 0.15	0.15		ppbV	1	4/20/2021 6:36:00 PM
Ethyl acetate	0.14	0.15	J	ppbV	1	4/20/2021 6:36:00 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

Centek Laboratories, LLC

Date: *05-May-21*

CLIENT:	LaBella Associates, P.C.	**Client Sample ID:**	OA (4/15/21)
Lab Order:	C2104038	**Tag Number:**	550,271
Project:	1500 Jefferson Road	**Collection Date:**	4/15/2021
Lab ID:	C2104038-002A	**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: **WD**
Ethylbenzene	< 0.15	0.15		ppbV	1	4/20/2021 6:36:00 PM
Freon 11	0.18	0.15		ppbV	1	4/20/2021 6:36:00 PM
Freon 113	< 0.15	0.15		ppbV	1	4/20/2021 6:36:00 PM
Freon 114	< 0.15	0.15		ppbV	1	4/20/2021 6:36:00 PM
Freon 12	0.45	0.15		ppbV	1	4/20/2021 6:36:00 PM
Heptane	< 0.15	0.15		ppbV	1	4/20/2021 6:36:00 PM
Hexachloro-1,3-butadiene	< 0.15	0.15		ppbV	1	4/20/2021 6:36:00 PM
Hexane	< 0.15	0.15		ppbV	1	4/20/2021 6:36:00 PM
Isopropyl alcohol	3.6	1.5		ppbV	10	4/21/2021 1:53:00 AM
m&p-Xylene	< 0.30	0.30		ppbV	1	4/20/2021 6:36:00 PM
Methyl Butyl Ketone	< 0.30	0.30		ppbV	1	4/20/2021 6:36:00 PM
Methyl Ethyl Ketone	0.22	0.30	J	ppbV	1	4/20/2021 6:36:00 PM
Methyl Isobutyl Ketone	< 0.30	0.30		ppbV	1	4/20/2021 6:36:00 PM
Methyl tert-butyl ether	< 0.15	0.15		ppbV	1	4/20/2021 6:36:00 PM
Methylene chloride	0.25	0.15		ppbV	1	4/20/2021 6:36:00 PM
o-Xylene	< 0.15	0.15		ppbV	1	4/20/2021 6:36:00 PM
Propylene	< 0.15	0.15		ppbV	1	4/20/2021 6:36:00 PM
Styrene	< 0.15	0.15		ppbV	1	4/20/2021 6:36:00 PM
Tetrachloroethylene	< 0.15	0.15		ppbV	1	4/20/2021 6:36:00 PM
Tetrahydrofuran	< 0.15	0.15		ppbV	1	4/20/2021 6:36:00 PM
Toluene	0.16	0.15		ppbV	1	4/20/2021 6:36:00 PM
trans-1,2-Dichloroethene	< 0.15	0.15		ppbV	1	4/20/2021 6:36:00 PM
trans-1,3-Dichloropropene	< 0.15	0.15		ppbV	1	4/20/2021 6:36:00 PM
Trichloroethene	< 0.030	0.030		ppbV	1	4/20/2021 6:36:00 PM
Vinyl acetate	< 0.15	0.15		ppbV	1	4/20/2021 6:36:00 PM
Vinyl Bromide	< 0.15	0.15		ppbV	1	4/20/2021 6:36:00 PM
Vinyl chloride	< 0.040	0.040		ppbV	1	4/20/2021 6:36:00 PM
Surr: Bromofluorobenzene	90.0	47-124		%REC	1	4/20/2021 6:36:00 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

Centek Laboratories, LLC

Date: *05-May-21*

CLIENT:	LaBella Associates, P.C.	**Client Sample ID:**	OA (4/15/21)
Lab Order:	C2104038	**Tag Number:**	550,271
Project:	1500 Jefferson Road	**Collection Date:**	4/15/2021
Lab ID:	C2104038-002A	**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: **WD**
1,1,1-Trichloroethane	< 0.82	0.82		ug/m3	1	4/20/2021 6:36:00 PM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		ug/m3	1	4/20/2021 6:36:00 PM
1,1,2-Trichloroethane	< 0.82	0.82		ug/m3	1	4/20/2021 6:36:00 PM
1,1-Dichloroethane	< 0.61	0.61		ug/m3	1	4/20/2021 6:36:00 PM
1,1-Dichloroethene	< 0.16	0.16		ug/m3	1	4/20/2021 6:36:00 PM
1,2,4-Trichlorobenzene	< 1.1	1.1		ug/m3	1	4/20/2021 6:36:00 PM
1,2,4-Trimethylbenzene	< 0.74	0.74		ug/m3	1	4/20/2021 6:36:00 PM
1,2-Dibromoethane	< 1.2	1.2		ug/m3	1	4/20/2021 6:36:00 PM
1,2-Dichlorobenzene	< 0.90	0.90		ug/m3	1	4/20/2021 6:36:00 PM
1,2-Dichloroethane	< 0.61	0.61		ug/m3	1	4/20/2021 6:36:00 PM
1,2-Dichloropropane	< 0.69	0.69		ug/m3	1	4/20/2021 6:36:00 PM
1,3,5-Trimethylbenzene	< 0.74	0.74		ug/m3	1	4/20/2021 6:36:00 PM
1,3-butadiene	< 0.33	0.33		ug/m3	1	4/20/2021 6:36:00 PM
1,3-Dichlorobenzene	< 0.90	0.90		ug/m3	1	4/20/2021 6:36:00 PM
1,4-Dichlorobenzene	< 0.90	0.90		ug/m3	1	4/20/2021 6:36:00 PM
1,4-Dioxane	< 1.1	1.1		ug/m3	1	4/20/2021 6:36:00 PM
2,2,4-trimethylpentane	< 0.70	0.70		ug/m3	1	4/20/2021 6:36:00 PM
4-ethyltoluene	< 0.74	0.74		ug/m3	1	4/20/2021 6:36:00 PM
Acetone	15	7.1		ug/m3	10	4/21/2021 1:53:00 AM
Allyl chloride	< 0.47	0.47		ug/m3	1	4/20/2021 6:36:00 PM
Benzene	0.42	0.48	J	ug/m3	1	4/20/2021 6:36:00 PM
Benzyl chloride	< 0.86	0.86		ug/m3	1	4/20/2021 6:36:00 PM
Bromodichloromethane	< 1.0	1.0		ug/m3	1	4/20/2021 6:36:00 PM
Bromoform	< 1.6	1.6		ug/m3	1	4/20/2021 6:36:00 PM
Bromomethane	< 0.58	0.58		ug/m3	1	4/20/2021 6:36:00 PM
Carbon disulfide	< 0.47	0.47		ug/m3	1	4/20/2021 6:36:00 PM
Carbon tetrachloride	0.44	0.19		ug/m3	1	4/20/2021 6:36:00 PM
Chlorobenzene	< 0.69	0.69		ug/m3	1	4/20/2021 6:36:00 PM
Chloroethane	< 0.40	0.40		ug/m3	1	4/20/2021 6:36:00 PM
Chloroform	< 0.73	0.73		ug/m3	1	4/20/2021 6:36:00 PM
Chloromethane	0.83	0.31		ug/m3	1	4/20/2021 6:36:00 PM
cis-1,2-Dichloroethene	< 0.16	0.16		ug/m3	1	4/20/2021 6:36:00 PM
cis-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	4/20/2021 6:36:00 PM
Cyclohexane	< 0.52	0.52		ug/m3	1	4/20/2021 6:36:00 PM
Dibromochloromethane	< 1.3	1.3		ug/m3	1	4/20/2021 6:36:00 PM
Ethyl acetate	0.50	0.54	J	ug/m3	1	4/20/2021 6:36:00 PM
Ethylbenzene	< 0.65	0.65		ug/m3	1	4/20/2021 6:36:00 PM
Freon 11	1.0	0.84		ug/m3	1	4/20/2021 6:36:00 PM
Freon 113	< 1.1	1.1		ug/m3	1	4/20/2021 6:36:00 PM
Freon 114	< 1.0	1.0		ug/m3	1	4/20/2021 6:36:00 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

Centek Laboratories, LLC

Date: *05-May-21*

CLIENT:	LaBella Associates, P.C.	**Client Sample ID:**	OA (4/15/21)
Lab Order:	C2104038	**Tag Number:**	550,271
Project:	1500 Jefferson Road	**Collection Date:**	4/15/2021
Lab ID:	C2104038-002A	**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: **WD**
Freon 12	2.2	0.74		ug/m3	1	4/20/2021 6:36:00 PM
Heptane	< 0.61	0.61		ug/m3	1	4/20/2021 6:36:00 PM
Hexachloro-1,3-butadiene	< 1.6	1.6		ug/m3	1	4/20/2021 6:36:00 PM
Hexane	< 0.53	0.53		ug/m3	1	4/20/2021 6:36:00 PM
Isopropyl alcohol	8.8	3.7		ug/m3	10	4/21/2021 1:53:00 AM
m&p-Xylene	< 1.3	1.3		ug/m3	1	4/20/2021 6:36:00 PM
Methyl Butyl Ketone	< 1.2	1.2		ug/m3	1	4/20/2021 6:36:00 PM
Methyl Ethyl Ketone	0.65	0.88	J	ug/m3	1	4/20/2021 6:36:00 PM
Methyl Isobutyl Ketone	< 1.2	1.2		ug/m3	1	4/20/2021 6:36:00 PM
Methyl tert-butyl ether	< 0.54	0.54		ug/m3	1	4/20/2021 6:36:00 PM
Methylene chloride	0.87	0.52		ug/m3	1	4/20/2021 6:36:00 PM
o-Xylene	< 0.65	0.65		ug/m3	1	4/20/2021 6:36:00 PM
Propylene	< 0.26	0.26		ug/m3	1	4/20/2021 6:36:00 PM
Styrene	< 0.64	0.64		ug/m3	1	4/20/2021 6:36:00 PM
Tetrachloroethylene	< 1.0	1.0		ug/m3	1	4/20/2021 6:36:00 PM
Tetrahydrofuran	< 0.44	0.44		ug/m3	1	4/20/2021 6:36:00 PM
Toluene	0.60	0.57		ug/m3	1	4/20/2021 6:36:00 PM
trans-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	4/20/2021 6:36:00 PM
trans-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	4/20/2021 6:36:00 PM
Trichloroethene	< 0.16	0.16		ug/m3	1	4/20/2021 6:36:00 PM
Vinyl acetate	< 0.53	0.53		ug/m3	1	4/20/2021 6:36:00 PM
Vinyl Bromide	< 0.66	0.66		ug/m3	1	4/20/2021 6:36:00 PM
Vinyl chloride	< 0.10	0.10		ug/m3	1	4/20/2021 6:36:00 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

 Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AS042010.D Vial: 14
Acq On : 20 Apr 2021 6:36 pm Operator: RJP
Sample : C2104038-002A Inst : MSD #1
Misc : A317_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 21 09:28:24 2021 Quant Results File: A317_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A317_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Mon Apr 12 12:02:39 2021
Response via : Initial Calibration
DataAcq Meth : 1UG_ENT

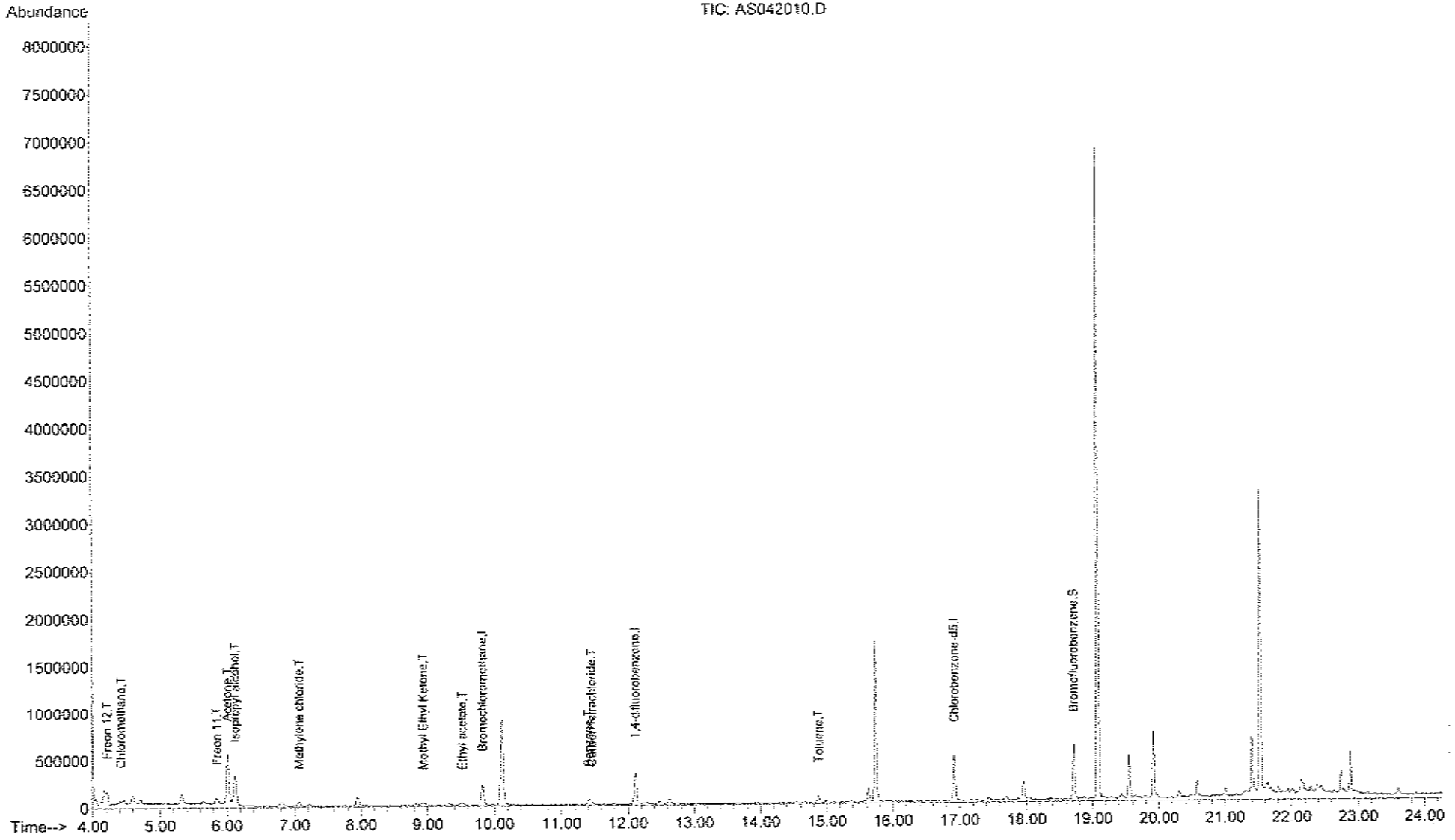
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	9.82	128	101326	1.00	ppb		0.00
35) 1,4-difluorobenzene	12.11	114	375861	1.00	ppb		0.00
50) Chlorobenzene-d5	16.92	117	353897	1.00	ppb		0.00
System Monitoring Compounds							
65) Bromofluorobenzene	18.72	95	241045	0.90	ppb		0.05
Spiked Amount 1.000	Range 70 - 130		Recovery = 90.00%				
Target Compounds							Qvalue
3) Freon 12	4.21	85	169513	0.45	ppb		100
4) Chloromethane	4.41	50	36770	0.40	ppb		87
14) Freon 11	5.85	101	74586	0.18	ppb		96
15) Acetone	6.01	58	351972	5.67	ppb	#	42
17) Isopropyl alcohol	6.12	45	486824	3.05	ppb	#	1
21) Methylene chloride	7.07	84	33324	0.25	ppb		96
28) Methyl Ethyl Ketone	8.93	72	12121	0.22	ppb	#	100
31) Ethyl acetate	9.52	43	30702	0.14	ppb		75
38) Carbon tetrachloride	11.46	117	25495	0.07	ppb		100
39) Benzene	11.42	78	47074	0.13	ppb		98
51) Toluene	14.88	92	37232	0.16	ppb		99

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

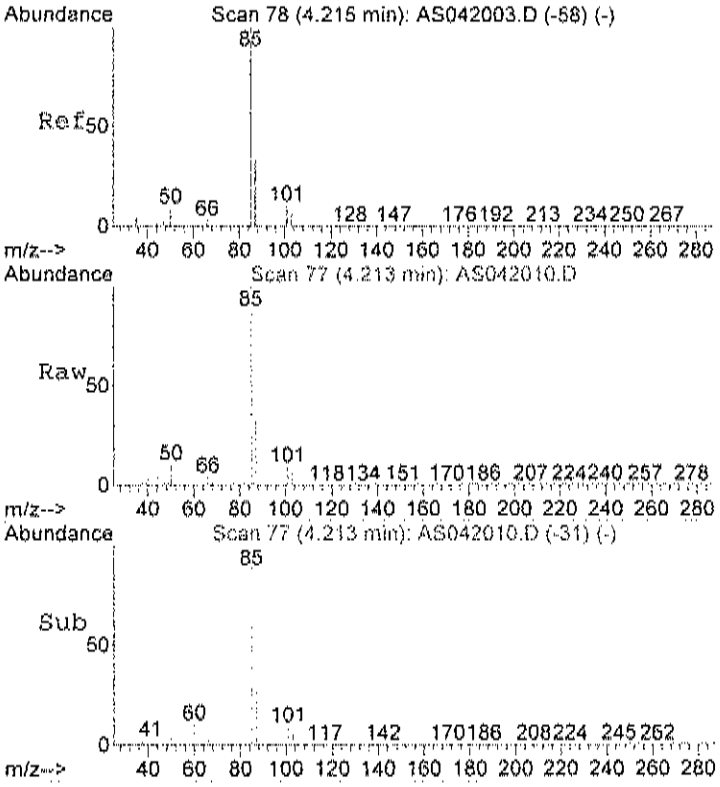
Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AS042010.D Vial: 14
Acq On : 20 Apr 2021 6:36 pm Operator: RJP
Sample : C2104038-002A Inst : MSD #1
Misc : A317_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 5 8:12 2021 Quant Results File: A317_1UG.RES

Method : C:\HPCHEM\1\METHODS\A317_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed May 05 08:06:45 2021
Response via : Initial Calibration



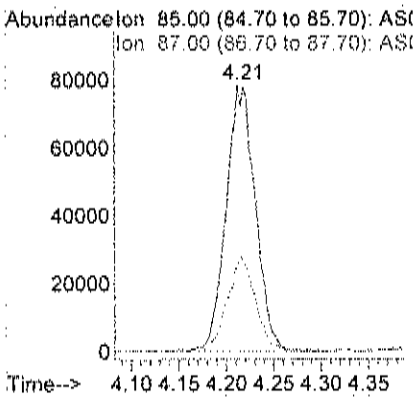
AS042010.D A317_1UG.M Wed May 05 08:19:42 2021 MSD1

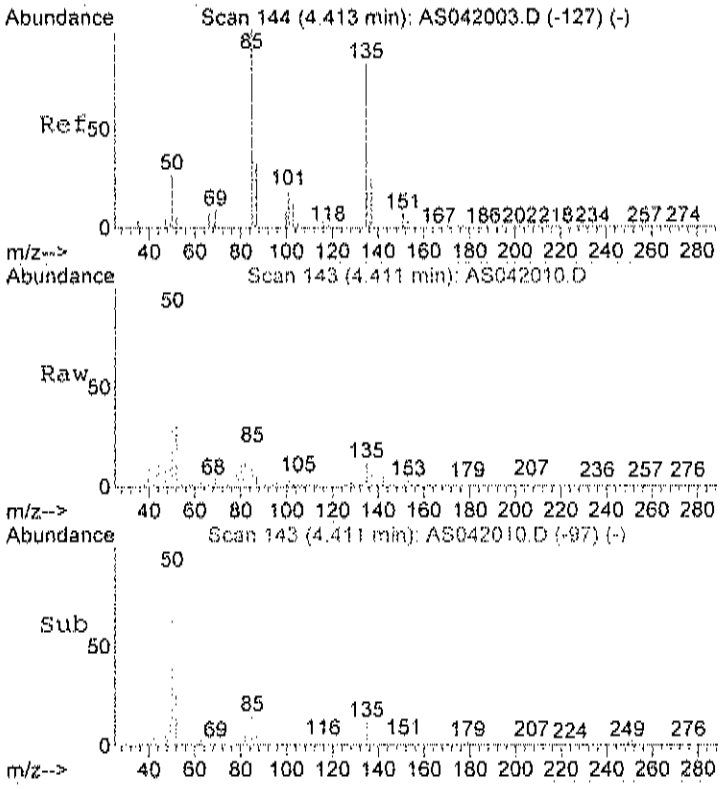


#3
Freon 12
Concen: 0.45 ppb
RT: 4.21 min Scan# 77
Delta R.T. -0.01 min
Lab File: AS042010.D
Acq: 20 Apr 2021 6:36 pm

Tgt Ion: 85 Resp: 169513

Ion	Ratio	Lower	Upper
85	100		
87	33.9	14.0	54.0

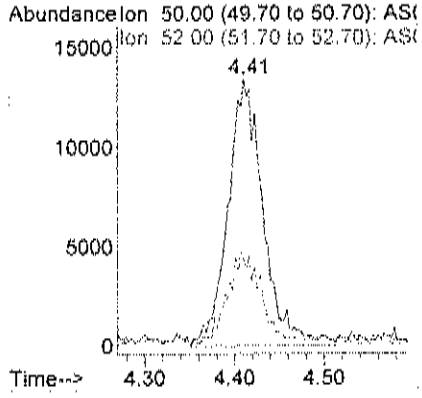


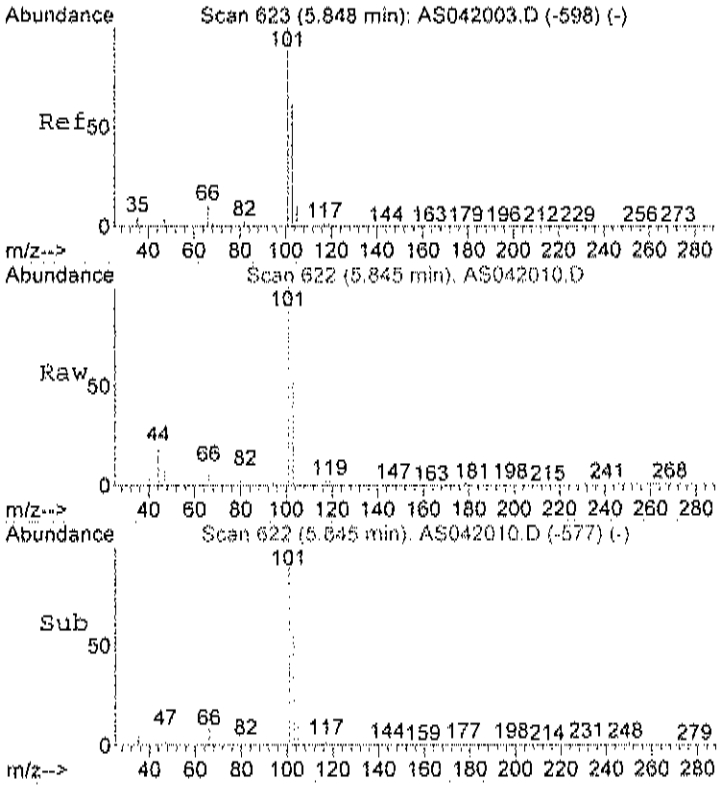


#4
Chloromethane
Concen: 0.40 ppb
RT: 4.41 min Scan# 143
Delta R.T. -0.01 min
Lab File: AS042010.D
Acq: 20 Apr 2021 6:36 pm

Tgt Ion: 50 Resp: 36770

Ion	Ratio	Lower	Upper
50	100		
52	33.4	6.5	46.5

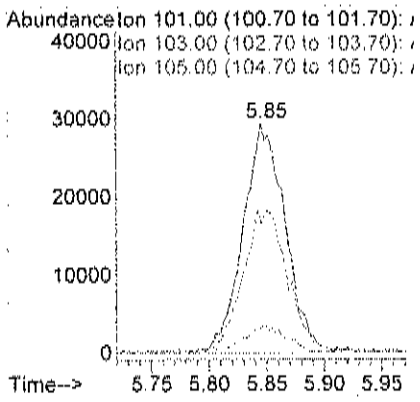


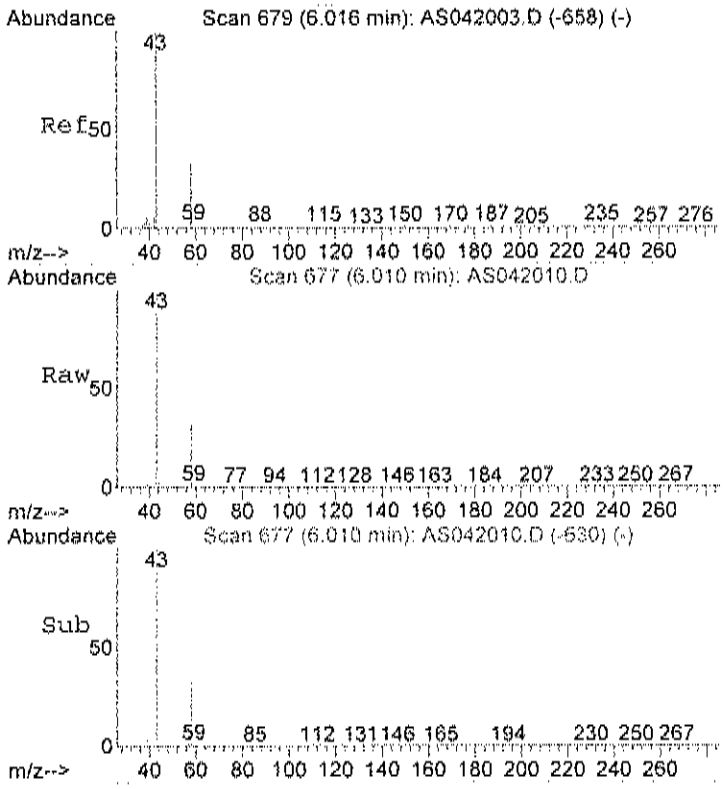


#14
Freon 11
Concen: 0.18 ppb
RT: 5.85 min Scan# 622
Delta R.T. -0.01 min
Lab File: AS042010.D
Acq: 20 Apr 2021 6:36 pm

Tgt Ion:101 Resp: 74586

Ion	Ratio	Lower	Upper
101	100		
103	67.0	44.1	84.1
105	12.6	0.0	31.3

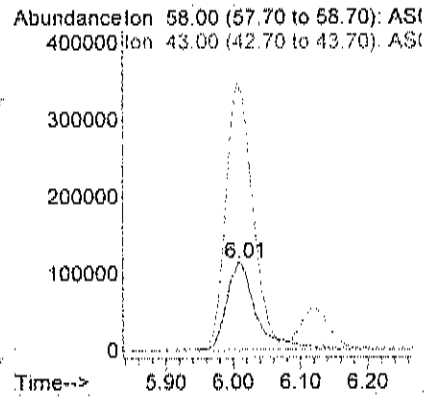


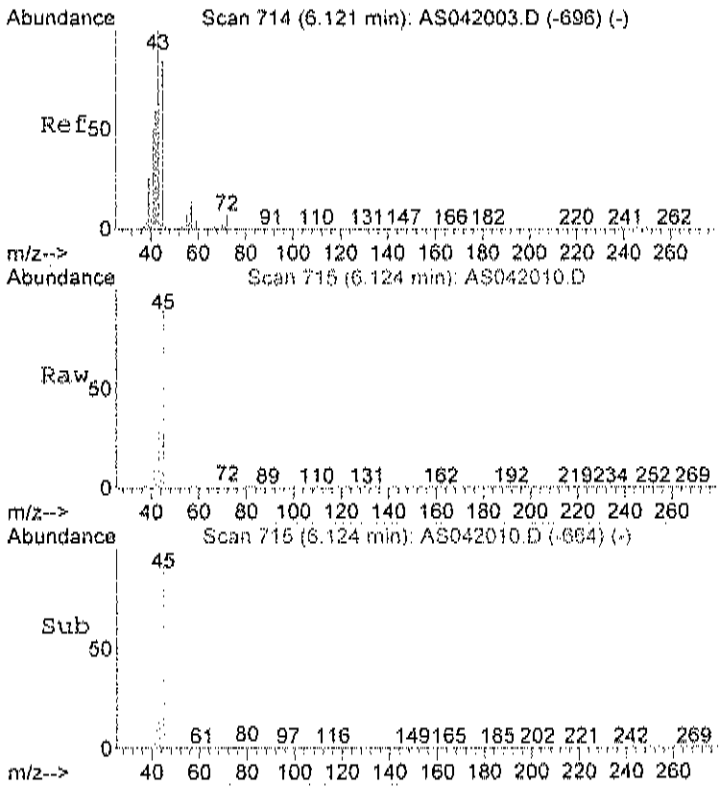


#15
Acetone
Concen: 5.67 ppb
RT: 6.01 min Scan# 677
Delta R.T. -0.01 min
Lab File: AS042010.D
Acq: 20 Apr 2021 6:36 pm

Tgt Ion: 58 Resp: 351972

Ion	Ratio	Lower	Upper
58	100		
43	320.1	195.2	255.2#

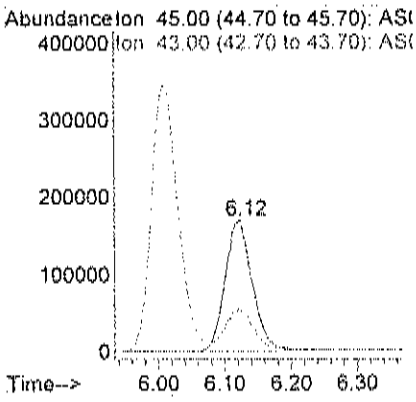


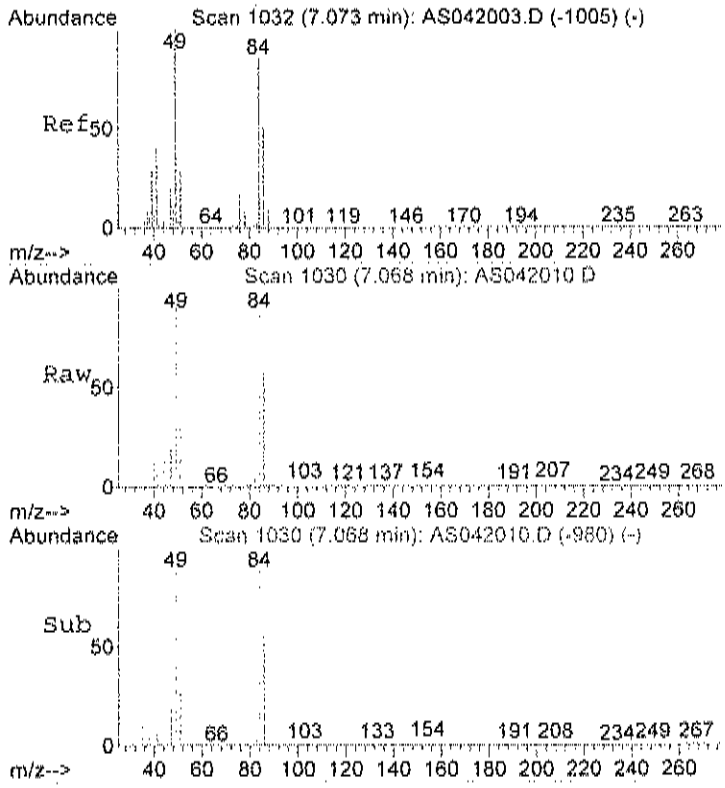


#17
Isopropyl alcohol
Concen: 3.05 ppb
RT: 6.12 min Scan# 715
Delta R.T. 0.00 min
Lab File: AS042010.D
Acq: 20 Apr 2021 6:36 pm

Tgt Ion: 45 Resp: 486824

Ion	Ratio	Lower	Upper
45	100		
43	0.0	103.4	143.4#

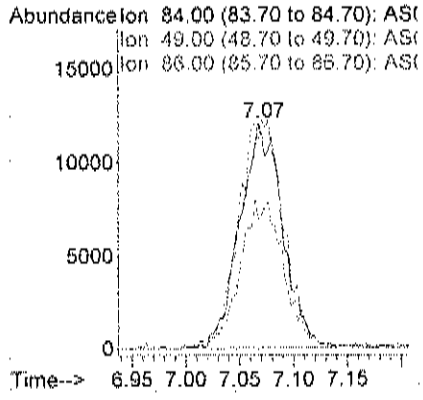


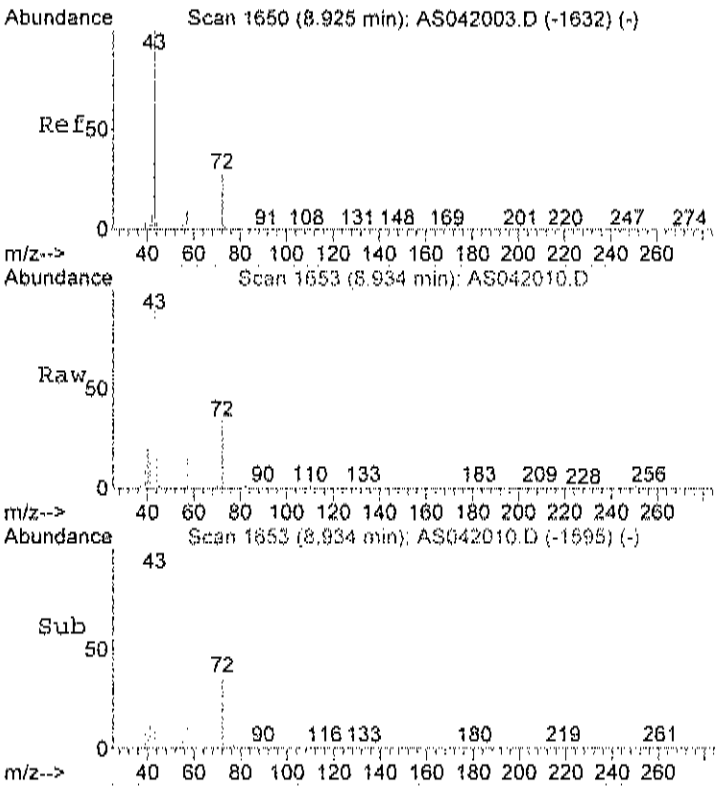


#21
Methylene chloride
Concen: 0.25 ppb
RT: 7.07 min Scan# 1030
Delta R.T. 0.00 min
Lab File: AS042010.D
Acq: 20 Apr 2021 6:36 pm

Tgt Ion: 84 Resp: 33324

Ion	Ratio	Lower	Upper
84	100		
49	107.9	94.8	134.8
86	66.6	46.1	86.1

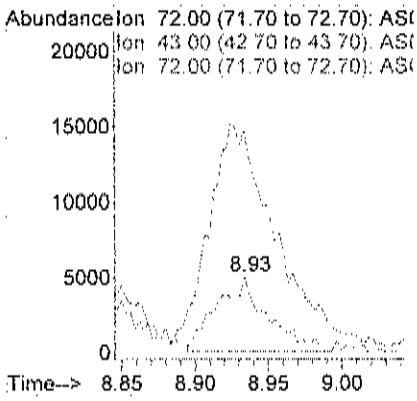


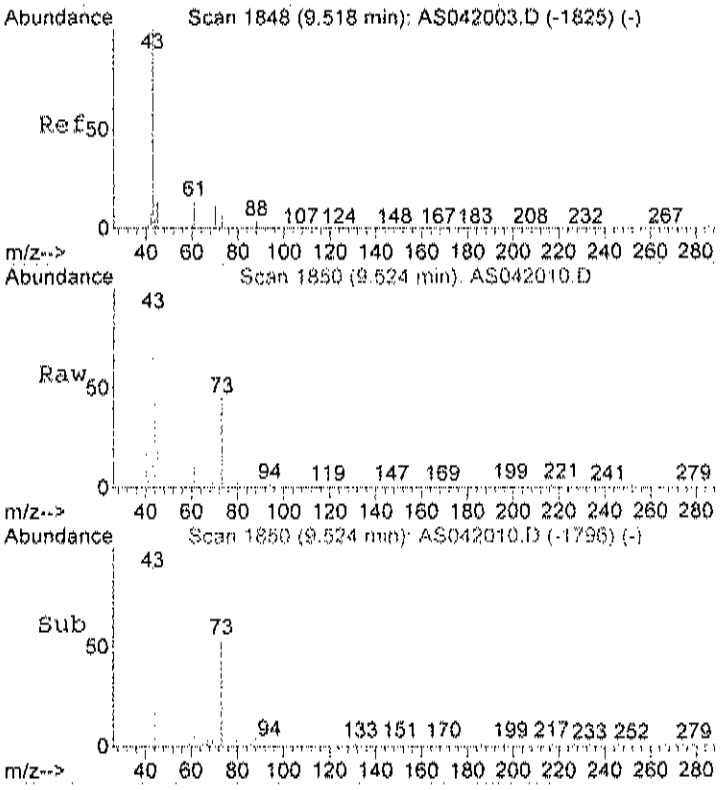


#28
Methyl Ethyl Ketone
Concen: 0.22 ppb
RT: 8.93 min Scan# 1653
Delta R.T. 0.02 min
Lab File: AS042010.D
Acq: 20 Apr 2021 6:36 pm

Tgt Ion: 72 Resp: 12121

Ion	Ratio	Lower	Upper
72	100		
43	395.3	0.0	20.0#
72	100.0	80.0	120.0

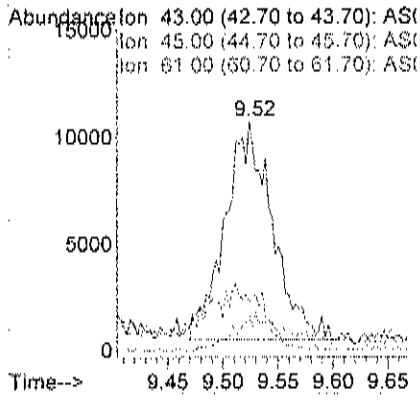


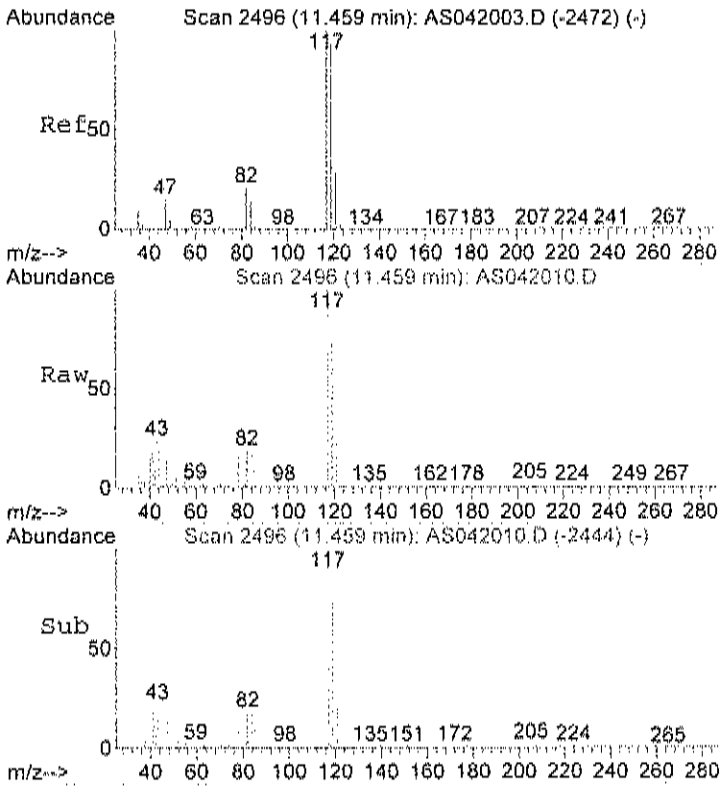


#31
Ethyl acetate
Concen: 0.14 ppb
RT: 9.52 min Scan# 1850
Delta R.T. 0.01 min
Lab File: AS042010.D
Acq: 20 Apr 2021 6:36 pm

Tgt Ion: 43 Resp: 30702

Ion	Ratio	Lower	Upper
43	100		
45	32.6	0.0	35.3
61	13.0	0.0	37.2

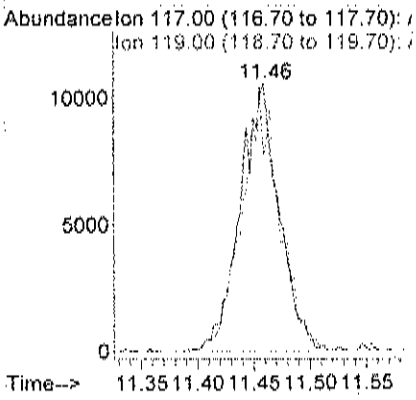


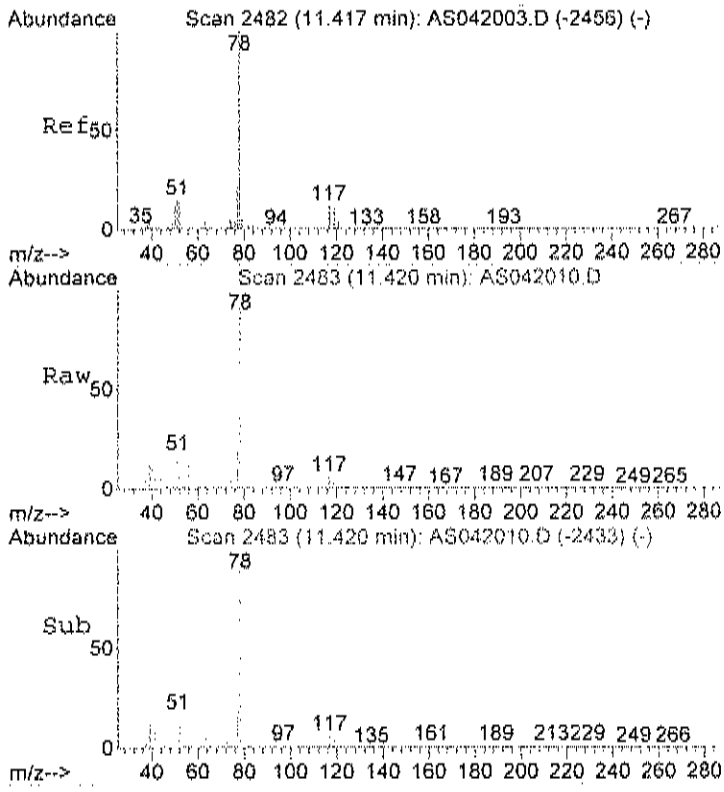


#38
Carbon tetrachloride
Concen: 0.07 ppb
RT: 11.46 min Scan# 2496
Delta R.T. 0.01 min
Lab File: AS042010.D
Acq: 20 Apr 2021 6:36 pm

Tgt Ion:117 Resp: 25495

Ion	Ratio	Lower	Upper
117	100		
119	95.6	75.8	115.8

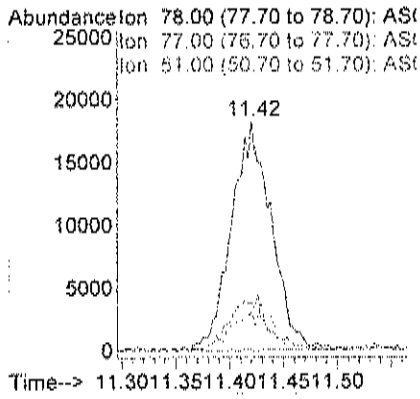


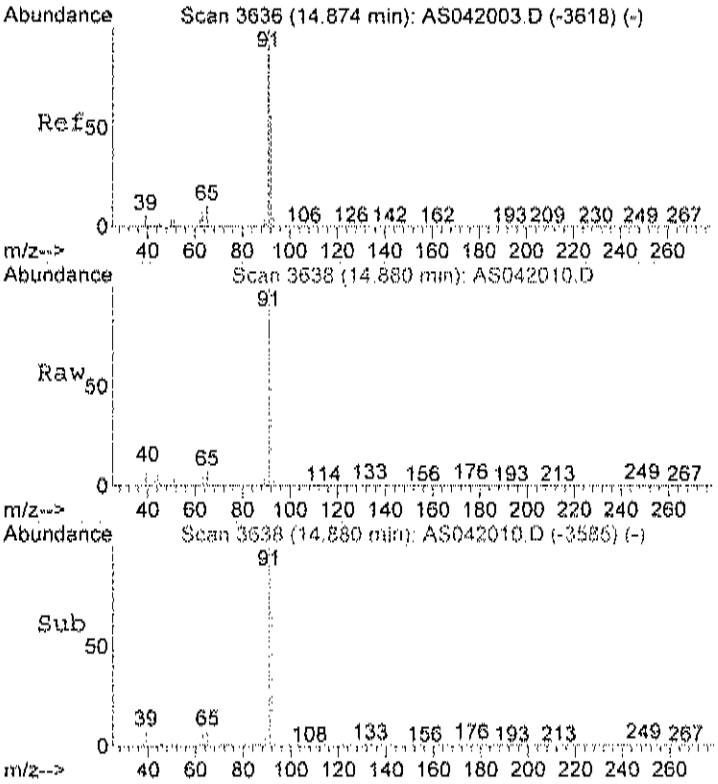


#39
Benzene
Concen: 0.13 ppb
RT: 11.42 min Scan# 2483
Delta R.T. 0.00 min
Lab File: AS042010.D
Acq: 20 Apr 2021 6:36 pm

Tgt Ion: 78 Resp: 47074

Ion	Ratio	Lower	Upper
78	100		
77	23.0	3.3	43.3
51	17.3	0.0	35.4

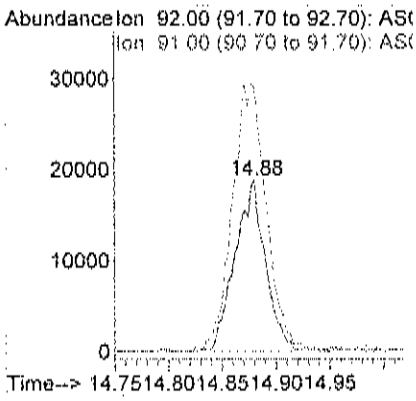




#51
Toluene
Concen: 0.16 ppb
RT: 14.88 min Scan# 3638
Delta R.T. 0.01 min
Lab File: AS042010.D
Acq: 20 Apr 2021 6:36 pm

Tgt Ion: 92 Resp: 37232

Ion	Ratio	Lower	Upper
92	100		
91	173.0	154.0	194.0



 Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AS042020.D Vial: 14
Acq On : 21 Apr 2021 1:53 am Operator: RJP
Sample : C2104038-002A 10X Inst : MSD #1
Misc : A317_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 21 09:38:28 2021 Quant Results File: A317_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A317_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Mon Apr 12 12:02:39 2021
Response via : Initial Calibration
DataAcq Meth : 1UG_ENT

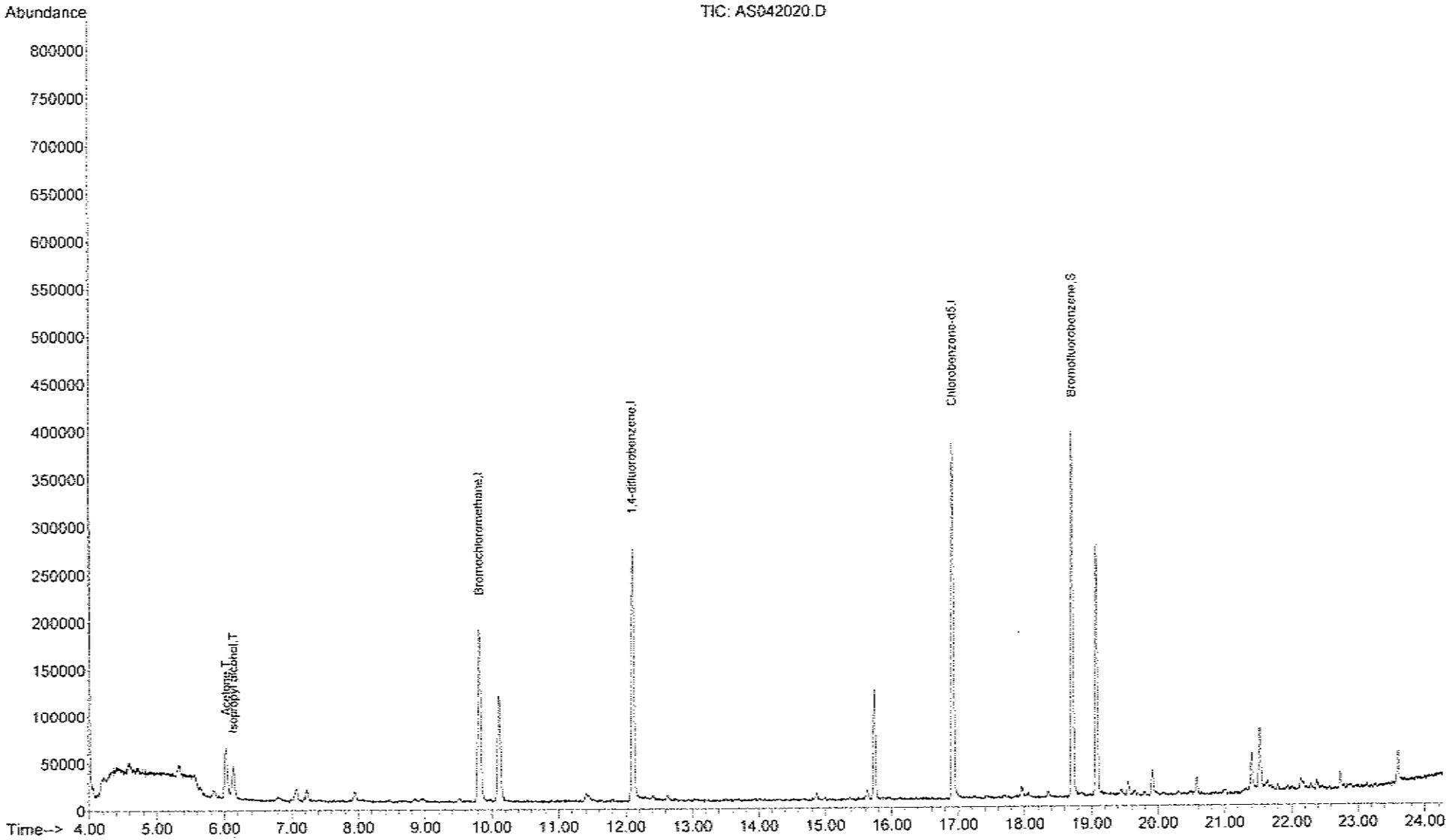
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	9.81	128	80601	1.00	ppb	0.00
35) 1,4-difluorobenzene	12.11	114	288527	1.00	ppb	0.00
50) Chlorobenzene-d5	16.92	117	262272	1.00	ppb	0.00
System Monitoring Compounds						
65) Bromofluorobenzene	18.71	95	161467	0.81	ppb	0.05
Spiked Amount 1.000	Range 70 - 130		Recovery = 81.00%			
Target Compounds						Qvalue
15) Acetone	6.02	58	31928m	0.65	ppb	
17) Isopropyl alcohol	6.13	45	46108	0.36	ppb	# 1

(#) = qualifier out of range (m) = manual integration (+) = signals summed
AS042020.D A317_1UG.M Wed May 05 08:20:03 2021 MSD1 Page 1

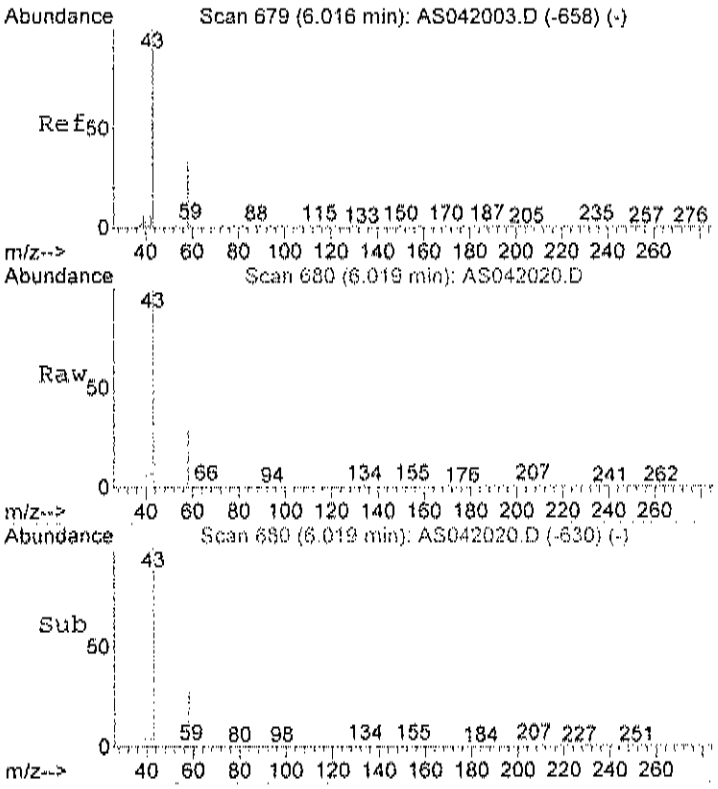
Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AS042020.D Vial: 14
Acq On : 21 Apr 2021 1:53 am Operator: RJP
Sample : C2104038-002A 10X Inst : MSD #1
Misc : A317_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 5 8:15 2021 Quant Results File: A317_1UG.RES

Method : C:\HPCHEM\1\METHODS\A317_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed May 05 08:06:45 2021
Response via : Initial Calibration



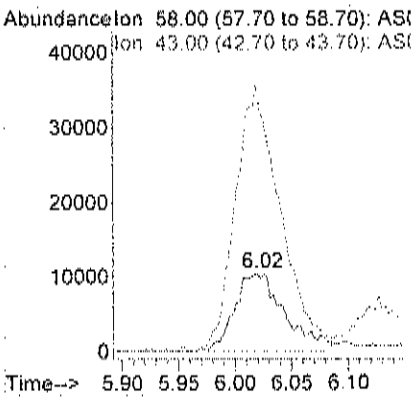
AS042020.D A317_1UG.M Wed May 05 08:20:04 2021 MSD1 Page 2

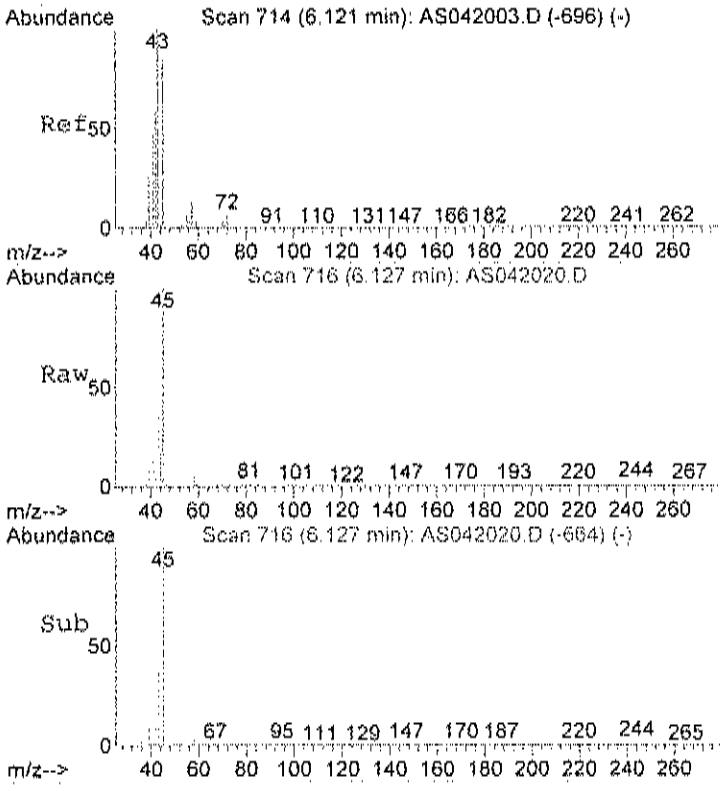


#15
Acetone
Concen: 0.65 ppb m
RT: 6.02 min Scan# 680
Delta R.T. -0.00 min
Lab File: AS042020.D
Acq: 21 Apr 2021 1:53 am

Tgt Ion: 58 Resp: 31928

Ion	Ratio	Lower	Upper
58	100		
43	360.4	195.2	255.2#

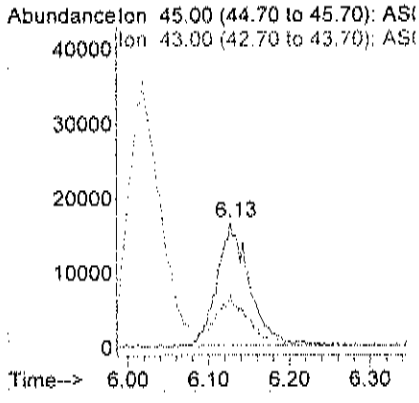




#17
Isopropyl alcohol
Concen: 0.36 ppb
RT: 6.13 min Scan# 716
Delta R.T. 0.01 min
Lab File: AS042020.D
Acq: 21 Apr 2021 1:53 am

Tgt Ion: 45 Resp: 46108

Ion	Ratio	Lower	Upper
45	100		
43	0.0	103.4	143.4#



Centek Laboratories, LLC

Date: *05-May-21*

CLIENT:	LaBella Associates, P.C.	**Client Sample ID:**	Dupe (4/15/21)
Lab Order:	C2104038	**Tag Number:**	550,271
Project:	1500 Jefferson Road	**Collection Date:**	4/15/2021
Lab ID:	C2104038-003A	**Matrix:**	AIR

Analyses	Result	DL	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		FLD				Analyst:
Lab Vacuum In	0			"Hg		4/16/2021
Lab Vacuum Out	-30			"Hg		4/16/2021
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		TO-15				Analyst: WD
1,1,1-Trichloroethane	< 0.15	0.15		ppbV	1	4/20/2021 7:20:00 PM
1,1,2,2-Tetrachloroethane	< 0.15	0.15		ppbV	1	4/20/2021 7:20:00 PM
1,1,2-Trichloroethane	< 0.15	0.15		ppbV	1	4/20/2021 7:20:00 PM
1,1-Dichloroethane	< 0.15	0.15		ppbV	1	4/20/2021 7:20:00 PM
1,1-Dichloroethene	< 0.040	0.040		ppbV	1	4/20/2021 7:20:00 PM
1,2,4-Trichlorobenzene	< 0.15	0.15		ppbV	1	4/20/2021 7:20:00 PM
1,2,4-Trimethylbenzene	< 0.15	0.15		ppbV	1	4/20/2021 7:20:00 PM
1,2-Dibromoethane	< 0.15	0.15		ppbV	1	4/20/2021 7:20:00 PM
1,2-Dichlorobenzene	< 0.15	0.15		ppbV	1	4/20/2021 7:20:00 PM
1,2-Dichloroethane	< 0.15	0.15		ppbV	1	4/20/2021 7:20:00 PM
1,2-Dichloropropane	< 0.15	0.15		ppbV	1	4/20/2021 7:20:00 PM
1,3,5-Trimethylbenzene	< 0.15	0.15		ppbV	1	4/20/2021 7:20:00 PM
1,3-butadiene	< 0.15	0.15		ppbV	1	4/20/2021 7:20:00 PM
1,3-Dichlorobenzene	< 0.15	0.15		ppbV	1	4/20/2021 7:20:00 PM
1,4-Dichlorobenzene	< 0.15	0.15		ppbV	1	4/20/2021 7:20:00 PM
1,4-Dioxane	< 0.30	0.30		ppbV	1	4/20/2021 7:20:00 PM
2,2,4-trimethylpentane	< 0.15	0.15		ppbV	1	4/20/2021 7:20:00 PM
4-ethyltoluene	< 0.15	0.15		ppbV	1	4/20/2021 7:20:00 PM
Acetone	5.9	3.0		ppbV	10	4/21/2021 2:36:00 AM
Allyl chloride	< 0.15	0.15		ppbV	1	4/20/2021 7:20:00 PM
Benzene	0.13	0.15	J	ppbV	1	4/20/2021 7:20:00 PM
Benzyl chloride	< 0.15	0.15		ppbV	1	4/20/2021 7:20:00 PM
Bromodichloromethane	< 0.15	0.15		ppbV	1	4/20/2021 7:20:00 PM
Bromoform	< 0.15	0.15		ppbV	1	4/20/2021 7:20:00 PM
Bromomethane	< 0.15	0.15		ppbV	1	4/20/2021 7:20:00 PM
Carbon disulfide	< 0.15	0.15		ppbV	1	4/20/2021 7:20:00 PM
Carbon tetrachloride	0.080	0.030		ppbV	1	4/20/2021 7:20:00 PM
Chlorobenzene	< 0.15	0.15		ppbV	1	4/20/2021 7:20:00 PM
Chloroethane	< 0.15	0.15		ppbV	1	4/20/2021 7:20:00 PM
Chloroform	< 0.15	0.15		ppbV	1	4/20/2021 7:20:00 PM
Chloromethane	0.37	0.15		ppbV	1	4/20/2021 7:20:00 PM
cis-1,2-Dichloroethene	< 0.040	0.040		ppbV	1	4/20/2021 7:20:00 PM
cis-1,3-Dichloropropene	< 0.15	0.15		ppbV	1	4/20/2021 7:20:00 PM
Cyclohexane	< 0.15	0.15		ppbV	1	4/20/2021 7:20:00 PM
Dibromochloromethane	< 0.15	0.15		ppbV	1	4/20/2021 7:20:00 PM
Ethyl acetate	0.18	0.15		ppbV	1	4/20/2021 7:20:00 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

Centek Laboratories, LLC

Date: *05-May-21*

CLIENT:	LaBella Associates, P.C.	**Client Sample ID:**	Dupe (4/15/21)
Lab Order:	C2104038	**Tag Number:**	550,271
Project:	1500 Jefferson Road	**Collection Date:**	4/15/2021
Lab ID:	C2104038-003A	**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: **WD**
Ethylbenzene	< 0.15	0.15		ppbV	1	4/20/2021 7:20:00 PM
Freon 11	0.18	0.15		ppbV	1	4/20/2021 7:20:00 PM
Freon 113	< 0.15	0.15		ppbV	1	4/20/2021 7:20:00 PM
Freon 114	< 0.15	0.15		ppbV	1	4/20/2021 7:20:00 PM
Freon 12	0.48	0.15		ppbV	1	4/20/2021 7:20:00 PM
Heptane	< 0.15	0.15		ppbV	1	4/20/2021 7:20:00 PM
Hexachloro-1,3-butadiene	< 0.15	0.15		ppbV	1	4/20/2021 7:20:00 PM
Hexane	< 0.15	0.15		ppbV	1	4/20/2021 7:20:00 PM
Isopropyl alcohol	2.8	1.5		ppbV	10	4/21/2021 2:36:00 AM
m&p-Xylene	< 0.30	0.30		ppbV	1	4/20/2021 7:20:00 PM
Methyl Butyl Ketone	< 0.30	0.30		ppbV	1	4/20/2021 7:20:00 PM
Methyl Ethyl Ketone	0.25	0.30	J	ppbV	1	4/20/2021 7:20:00 PM
Methyl Isobutyl Ketone	< 0.30	0.30		ppbV	1	4/20/2021 7:20:00 PM
Methyl tert-butyl ether	< 0.15	0.15		ppbV	1	4/20/2021 7:20:00 PM
Methylene chloride	0.27	0.15		ppbV	1	4/20/2021 7:20:00 PM
o-Xylene	< 0.15	0.15		ppbV	1	4/20/2021 7:20:00 PM
Propylene	< 0.15	0.15		ppbV	1	4/20/2021 7:20:00 PM
Styrene	< 0.15	0.15		ppbV	1	4/20/2021 7:20:00 PM
Tetrachloroethylene	< 0.15	0.15		ppbV	1	4/20/2021 7:20:00 PM
Tetrahydrofuran	< 0.15	0.15		ppbV	1	4/20/2021 7:20:00 PM
Toluene	0.15	0.15		ppbV	1	4/20/2021 7:20:00 PM
trans-1,2-Dichloroethene	< 0.15	0.15		ppbV	1	4/20/2021 7:20:00 PM
trans-1,3-Dichloropropene	< 0.15	0.15		ppbV	1	4/20/2021 7:20:00 PM
Trichloroethene	< 0.030	0.030		ppbV	1	4/20/2021 7:20:00 PM
Vinyl acetate	< 0.15	0.15		ppbV	1	4/20/2021 7:20:00 PM
Vinyl Bromide	< 0.15	0.15		ppbV	1	4/20/2021 7:20:00 PM
Vinyl chloride	< 0.040	0.040		ppbV	1	4/20/2021 7:20:00 PM
Surr: Bromofluorobenzene	88.0	47-124		%REC	1	4/20/2021 7:20:00 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

Centek Laboratories, LLC

Date: *05-May-21*

CLIENT:	LaBella Associates, P.C.	**Client Sample ID:**	Dupe (4/15/21)
Lab Order:	C2104038	**Tag Number:**	550,271
Project:	1500 Jefferson Road	**Collection Date:**	4/15/2021
Lab ID:	C2104038-003A	**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: **WD**
1,1,1-Trichloroethane	< 0.82	0.82		ug/m3	1	4/20/2021 7:20:00 PM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		ug/m3	1	4/20/2021 7:20:00 PM
1,1,2-Trichloroethane	< 0.82	0.82		ug/m3	1	4/20/2021 7:20:00 PM
1,1-Dichloroethane	< 0.61	0.61		ug/m3	1	4/20/2021 7:20:00 PM
1,1-Dichloroethene	< 0.16	0.16		ug/m3	1	4/20/2021 7:20:00 PM
1,2,4-Trichlorobenzene	< 1.1	1.1		ug/m3	1	4/20/2021 7:20:00 PM
1,2,4-Trimethylbenzene	< 0.74	0.74		ug/m3	1	4/20/2021 7:20:00 PM
1,2-Dibromoethane	< 1.2	1.2		ug/m3	1	4/20/2021 7:20:00 PM
1,2-Dichlorobenzene	< 0.90	0.90		ug/m3	1	4/20/2021 7:20:00 PM
1,2-Dichloroethane	< 0.61	0.61		ug/m3	1	4/20/2021 7:20:00 PM
1,2-Dichloropropane	< 0.69	0.69		ug/m3	1	4/20/2021 7:20:00 PM
1,3,5-Trimethylbenzene	< 0.74	0.74		ug/m3	1	4/20/2021 7:20:00 PM
1,3-butadiene	< 0.33	0.33		ug/m3	1	4/20/2021 7:20:00 PM
1,3-Dichlorobenzene	< 0.90	0.90		ug/m3	1	4/20/2021 7:20:00 PM
1,4-Dichlorobenzene	< 0.90	0.90		ug/m3	1	4/20/2021 7:20:00 PM
1,4-Dioxane	< 1.1	1.1		ug/m3	1	4/20/2021 7:20:00 PM
2,2,4-trimethylpentane	< 0.70	0.70		ug/m3	1	4/20/2021 7:20:00 PM
4-ethyltoluene	< 0.74	0.74		ug/m3	1	4/20/2021 7:20:00 PM
Acetone	14	7.1		ug/m3	10	4/21/2021 2:36:00 AM
Allyl chloride	< 0.47	0.47		ug/m3	1	4/20/2021 7:20:00 PM
Benzene	0.42	0.48	J	ug/m3	1	4/20/2021 7:20:00 PM
Benzyl chloride	< 0.86	0.86		ug/m3	1	4/20/2021 7:20:00 PM
Bromodichloromethane	< 1.0	1.0		ug/m3	1	4/20/2021 7:20:00 PM
Bromoform	< 1.6	1.6		ug/m3	1	4/20/2021 7:20:00 PM
Bromomethane	< 0.58	0.58		ug/m3	1	4/20/2021 7:20:00 PM
Carbon disulfide	< 0.47	0.47		ug/m3	1	4/20/2021 7:20:00 PM
Carbon tetrachloride	0.50	0.19		ug/m3	1	4/20/2021 7:20:00 PM
Chlorobenzene	< 0.69	0.69		ug/m3	1	4/20/2021 7:20:00 PM
Chloroethane	< 0.40	0.40		ug/m3	1	4/20/2021 7:20:00 PM
Chloroform	< 0.73	0.73		ug/m3	1	4/20/2021 7:20:00 PM
Chloromethane	0.76	0.31		ug/m3	1	4/20/2021 7:20:00 PM
cis-1,2-Dichloroethene	< 0.16	0.16		ug/m3	1	4/20/2021 7:20:00 PM
cis-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	4/20/2021 7:20:00 PM
Cyclohexane	< 0.52	0.52		ug/m3	1	4/20/2021 7:20:00 PM
Dibromochloromethane	< 1.3	1.3		ug/m3	1	4/20/2021 7:20:00 PM
Ethyl acetate	0.65	0.54		ug/m3	1	4/20/2021 7:20:00 PM
Ethylbenzene	< 0.65	0.65		ug/m3	1	4/20/2021 7:20:00 PM
Freon 11	1.0	0.84		ug/m3	1	4/20/2021 7:20:00 PM
Freon 113	< 1.1	1.1		ug/m3	1	4/20/2021 7:20:00 PM
Freon 114	< 1.0	1.0		ug/m3	1	4/20/2021 7:20:00 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

Centek Laboratories, LLC

Date: *05-May-21*

CLIENT:	LaBella Associates, P.C.	**Client Sample ID:**	Dupe (4/15/21)
Lab Order:	C2104038	**Tag Number:**	550,271
Project:	1500 Jefferson Road	**Collection Date:**	4/15/2021
Lab ID:	C2104038-003A	**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: **WD**
Freon 12	2.4	0.74		ug/m3	1	4/20/2021 7:20:00 PM
Heptane	< 0.61	0.61		ug/m3	1	4/20/2021 7:20:00 PM
Hexachloro-1,3-butadiene	< 1.6	1.6		ug/m3	1	4/20/2021 7:20:00 PM
Hexane	< 0.53	0.53		ug/m3	1	4/20/2021 7:20:00 PM
Isopropyl alcohol	6.9	3.7		ug/m3	10	4/21/2021 2:36:00 AM
m&p-Xylene	< 1.3	1.3		ug/m3	1	4/20/2021 7:20:00 PM
Methyl Butyl Ketone	< 1.2	1.2		ug/m3	1	4/20/2021 7:20:00 PM
Methyl Ethyl Ketone	0.74	0.88	J	ug/m3	1	4/20/2021 7:20:00 PM
Methyl Isobutyl Ketone	< 1.2	1.2		ug/m3	1	4/20/2021 7:20:00 PM
Methyl tert-butyl ether	< 0.54	0.54		ug/m3	1	4/20/2021 7:20:00 PM
Methylene chloride	0.94	0.52		ug/m3	1	4/20/2021 7:20:00 PM
o-Xylene	< 0.65	0.65		ug/m3	1	4/20/2021 7:20:00 PM
Propylene	< 0.26	0.26		ug/m3	1	4/20/2021 7:20:00 PM
Styrene	< 0.64	0.64		ug/m3	1	4/20/2021 7:20:00 PM
Tetrachloroethylene	< 1.0	1.0		ug/m3	1	4/20/2021 7:20:00 PM
Tetrahydrofuran	< 0.44	0.44		ug/m3	1	4/20/2021 7:20:00 PM
Toluene	0.57	0.57		ug/m3	1	4/20/2021 7:20:00 PM
trans-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	4/20/2021 7:20:00 PM
trans-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	4/20/2021 7:20:00 PM
Trichloroethene	< 0.16	0.16		ug/m3	1	4/20/2021 7:20:00 PM
Vinyl acetate	< 0.53	0.53		ug/m3	1	4/20/2021 7:20:00 PM
Vinyl Bromide	< 0.66	0.66		ug/m3	1	4/20/2021 7:20:00 PM
Vinyl chloride	< 0.10	0.10		ug/m3	1	4/20/2021 7:20:00 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

Data File : C:\HPCHEM\1\DATA\AS042011.D Vial: 14
Acq On : 20 Apr 2021 7:20 pm Operator: RJP
Sample : C2104038-003A Inst : MSD #1
Misc : A317_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 21 09:41:34 2021 Quant Results File: A317_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A317_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Mon Apr 12 12:02:39 2021
Response via : Initial Calibration
DataAcq Meth : 1UG_ENT

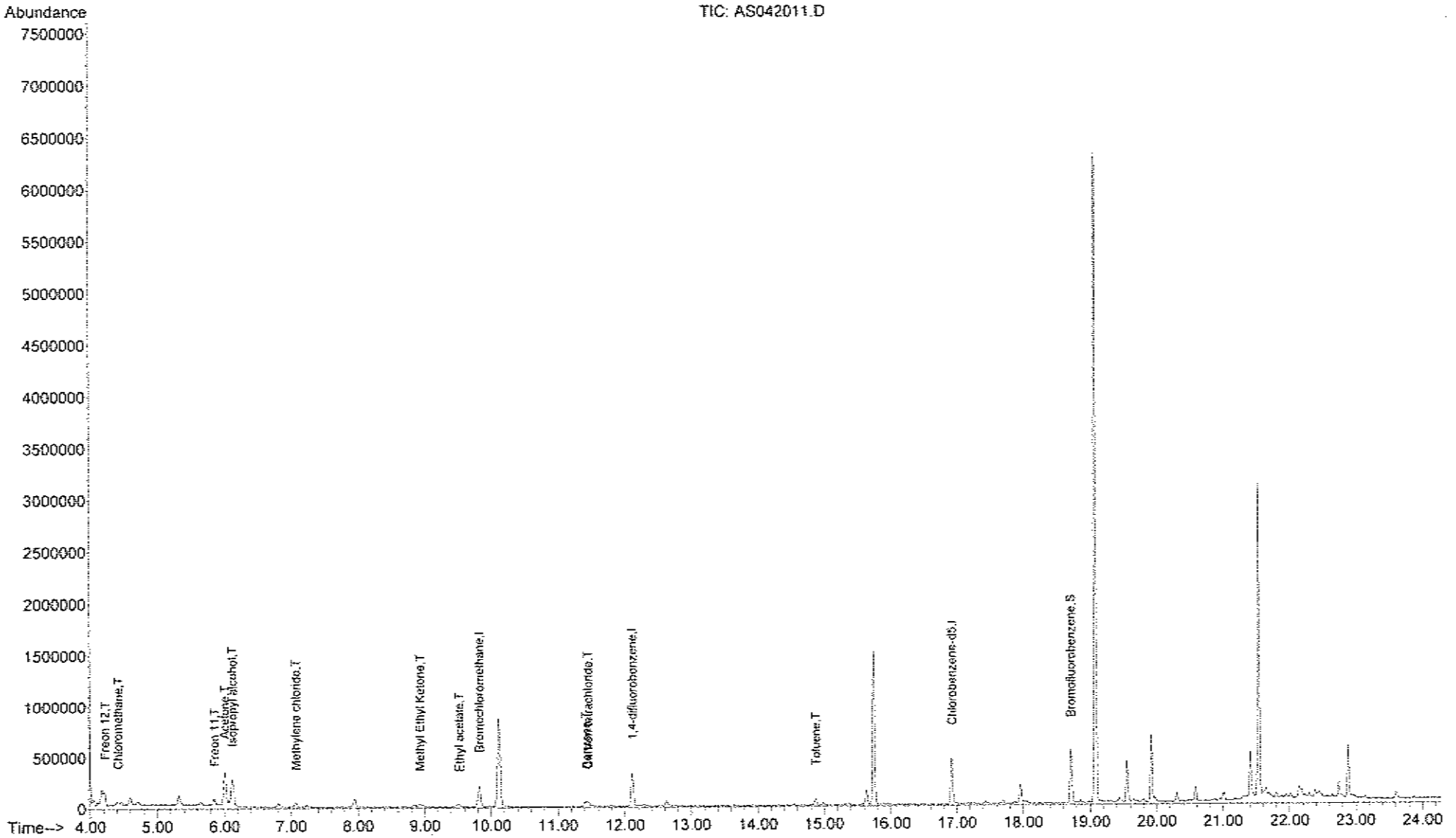
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	9.82	128	95695	1.00	ppb		0.01
35) 1,4-difluorobenzene	12.11	114	354558	1.00	ppb		0.00
50) Chlorobenzene-d5	16.92	117	329868	1.00	ppb		0.00
System Monitoring Compounds							
65) Bromofluorobenzene	18.71	95	218403	0.88	ppb		0.05
Spiked Amount 1.000	Range 70 - 130		Recovery = 88.00%				
Target Compounds							Qvalue
3) Freon 12	4.22	85	170054	0.48	ppb		97
4) Chloromethane	4.41	50	31840	0.37	ppb		87
14) Freon 11	5.85	101	71463	0.18	ppb		97
15) Acetone	6.01	58	207904	3.55	ppb	#	32
17) Isopropyl alcohol	6.12	45	378599	2.51	ppb	#	1
21) Methylene chloride	7.07	84	33085	0.27	ppb		93
28) Methyl Ethyl Ketone	8.93	72	12694	0.25	ppb	#	100
31) Ethyl acetate	9.53	43	38839	0.18	ppb	#	64
38) Carbon tetrachloride	11.46	117	25145	0.08	ppb		99
39) Benzene	11.42	78	42957	0.13	ppb		99
51) Toluene	14.88	92	32408	0.15	ppb		94

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

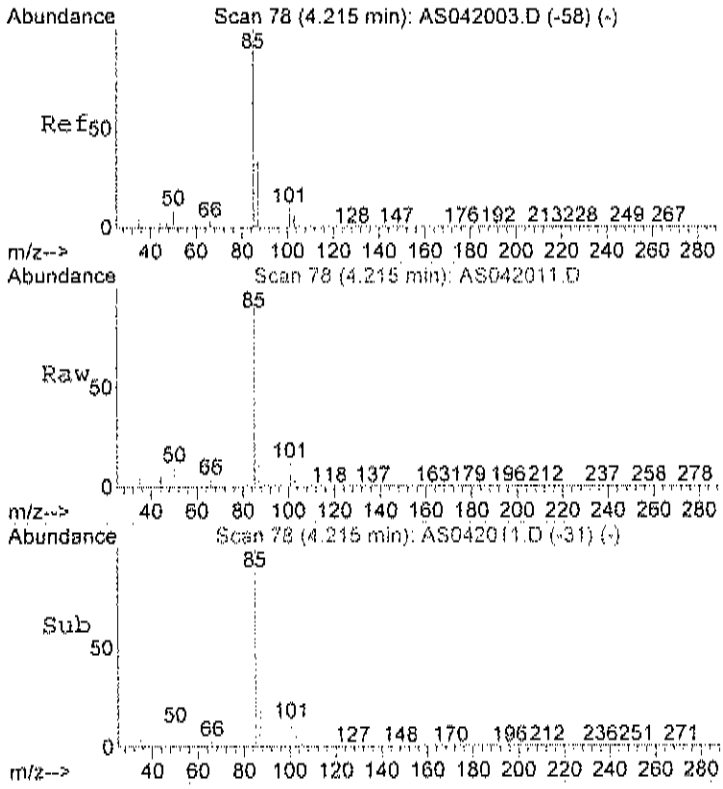
Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AS042011.D Vial: 14
Acq On : 20 Apr 2021 7:20 pm Operator: RJP
Sample : C2104038-003A Inst : MSD #1
Misc : A317_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 5 8:13 2021 Quant Results File: A317_1UG.RES

Method : C:\HPCHEM\1\METHODS\A317_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed May 05 08:06:45 2021
Response via : Initial Calibration



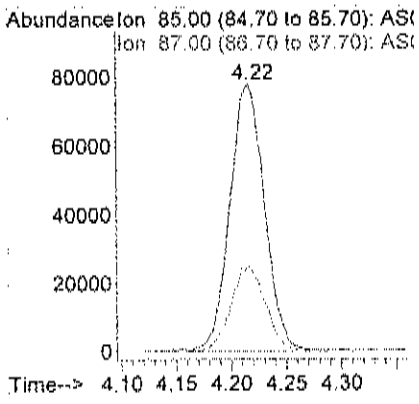
AS042011.D A317_1UG.M Wed May 05 08:19:51 2021 MSD1

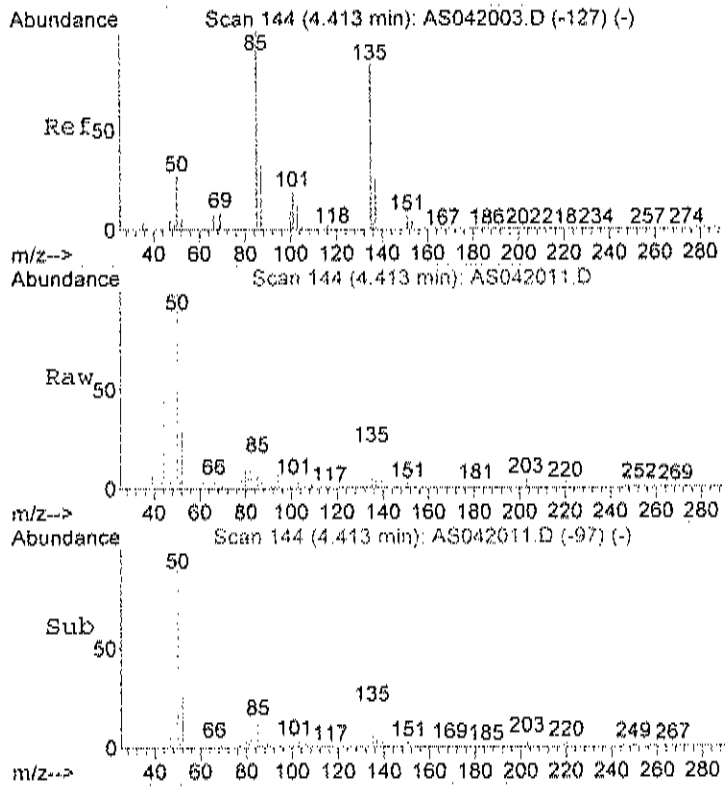


#3
Freon 12
Concen: 0.48 ppb
RT: 4.22 min Scan# 78
Delta R.T. -0.01 min
Lab File: AS042011.D
Acq: 20 Apr 2021 7:20 pm

Tgt Ion: 85 Resp: 170054

Ion	Ratio	Lower	Upper
85	100		
87	32.5	14.0	54.0

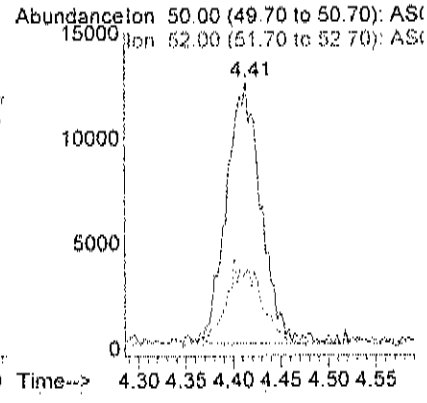


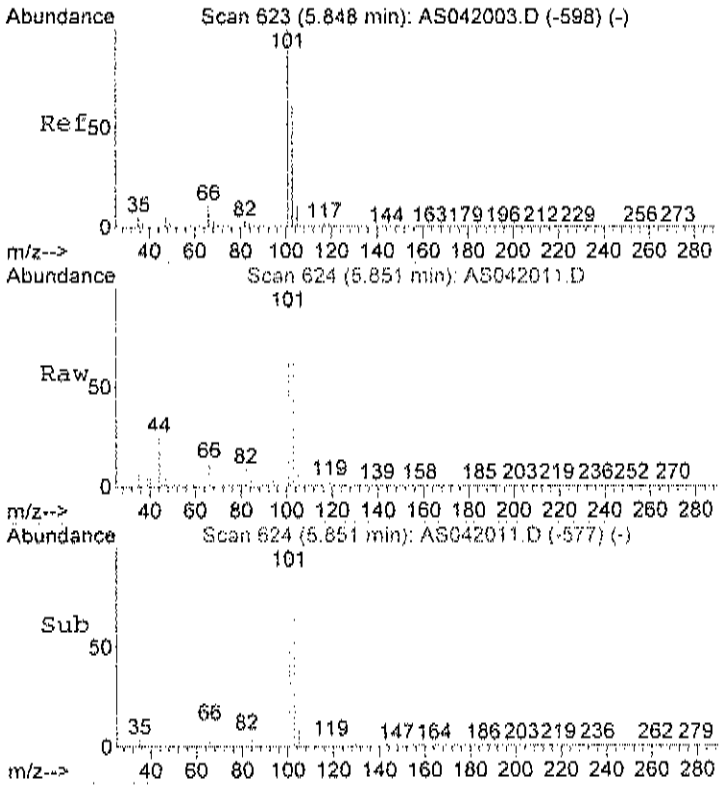


#4
Chloromethane
Concen: 0.37 ppb
RT: 4.41 min Scan# 144
Delta R.T. -0.01 min
Lab File: AS042011.D
Acq: 20 Apr 2021 7:20 pm

Tgt Ion: 50 Resp: 31840

Ion	Ratio	Lower	Upper
50	100		
52	33.0	6.5	46.5

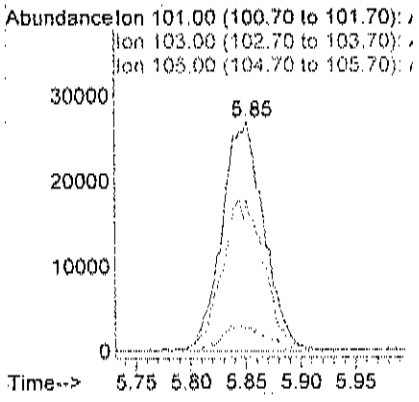


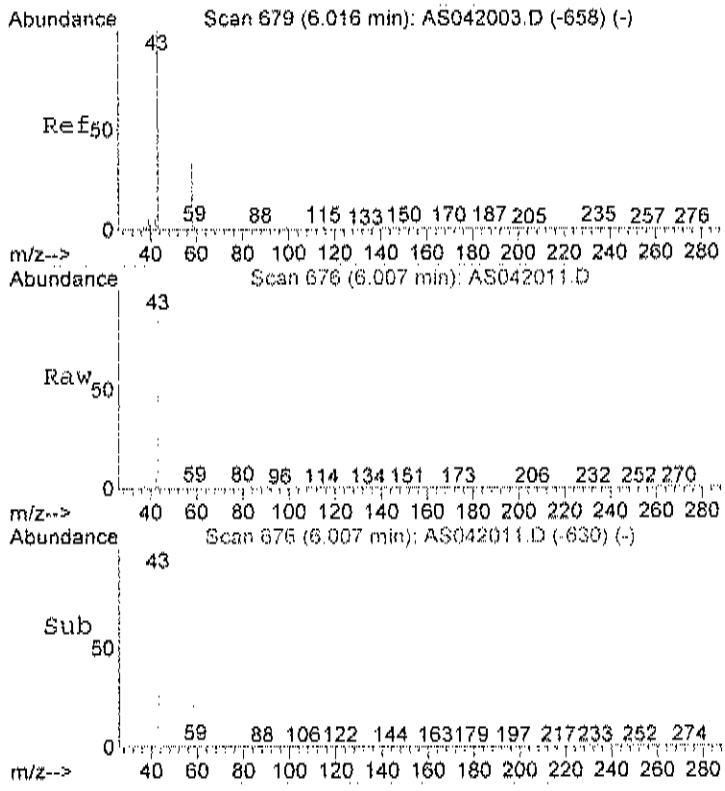


#14
Freon 11
Concen: 0.18 ppb
RT: 5.85 min Scan# 624
Delta R.T. -0.01 min
Lab File: AS042011.D
Acq: 20 Apr 2021 7:20 pm

Tgt Ion:101 Resp: 71463

Ion	Ratio	Lower	Upper
101	100		
103	66.6	44.1	84.1
105	10.6	0.0	31.3

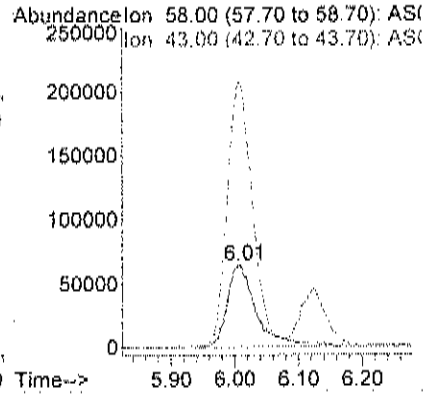


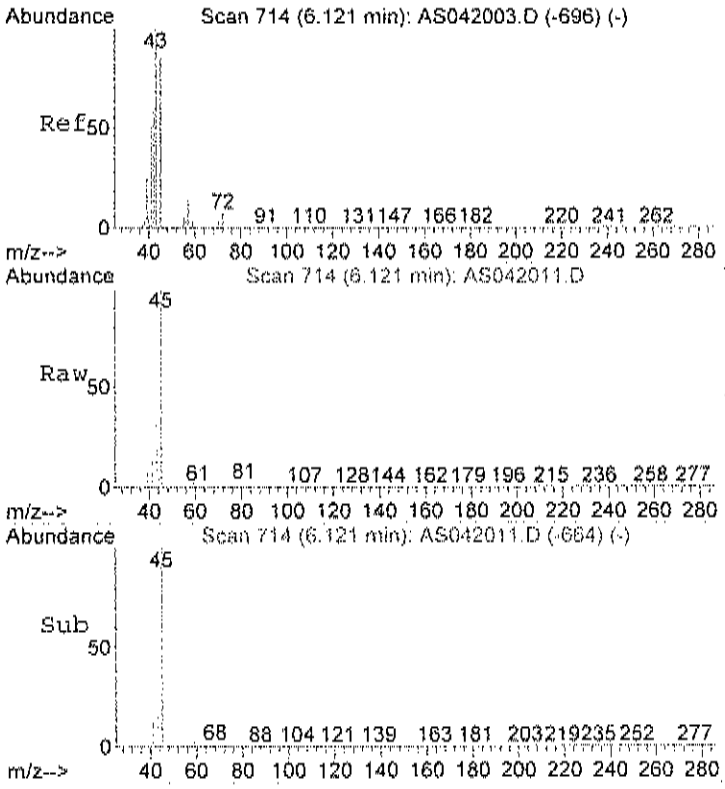


#15
Acetone
Concen: 3.55 ppb
RT: 6.01 min Scan# 676
Delta R.T. -0.01 min
Lab File: AS042011.D
Acq: 20 Apr 2021 7:20 pm

Tgt Ion: 58 Resp: 207904

Ion	Ratio	Lower	Upper
58	100		
43	336.7	195.2	256.2#

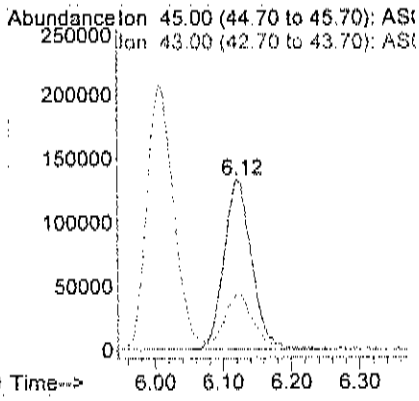


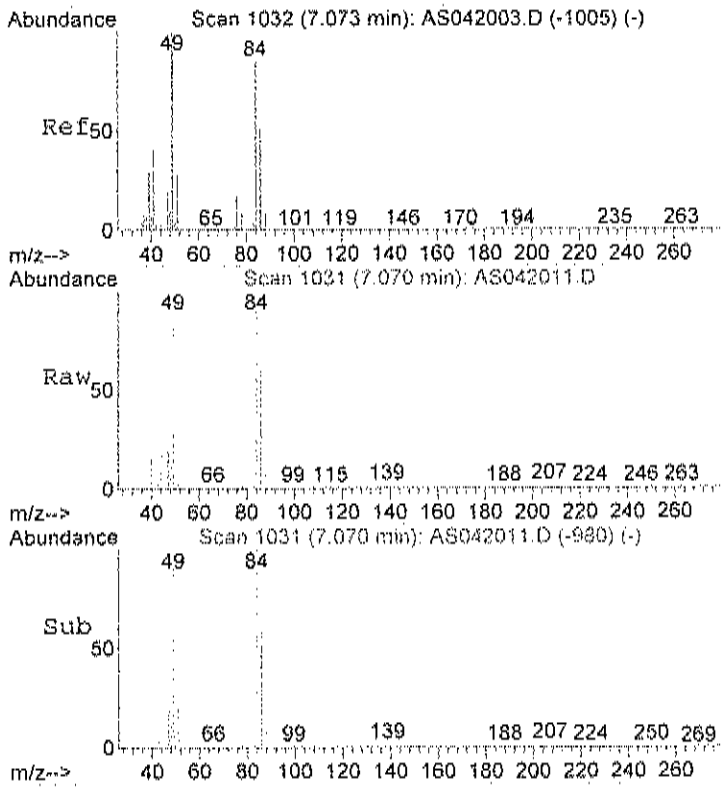


#17
Isopropyl alcohol
Concen: 2.51 ppb
RT: 6.12 min Scan# 714
Delta R.T. -0.00 min
Lab File: AS042011.D
Acq: 20 Apr 2021 7:20 pm

Tgt Ion: 45 Resp: 378599

Ion	Ratio	Lower	Upper
45	100		
43	0.0	103.4	143.4#

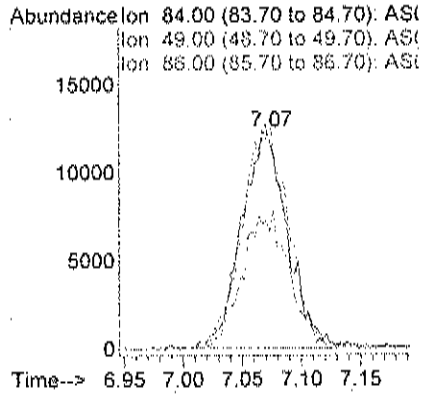


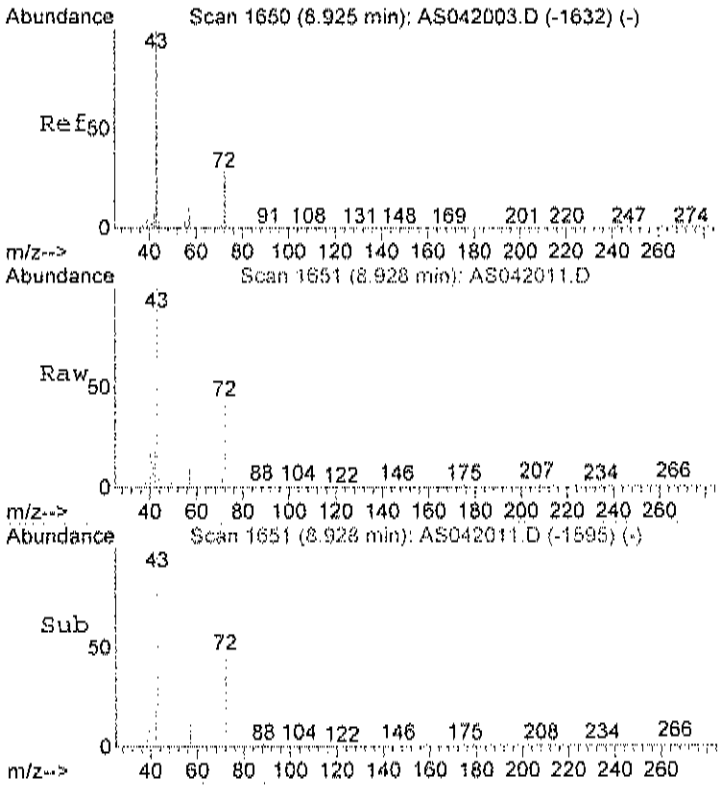


#21
Methylene chloride
Concen: 0.27 ppb
RT: 7.07 min Scan# 1031
Delta R.T. 0.00 min
Lab File: AS042011.D
Acq: 20 Apr 2021 7:20 pm

Tgt Ion: 84 Resp: 33085

Ion	Ratio	Lower	Upper
84	100		
49	104.9	94.8	134.8
86	63.8	46.1	86.1

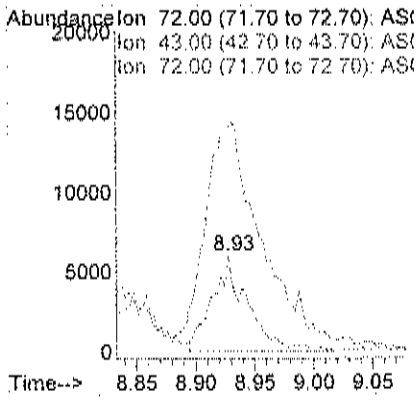


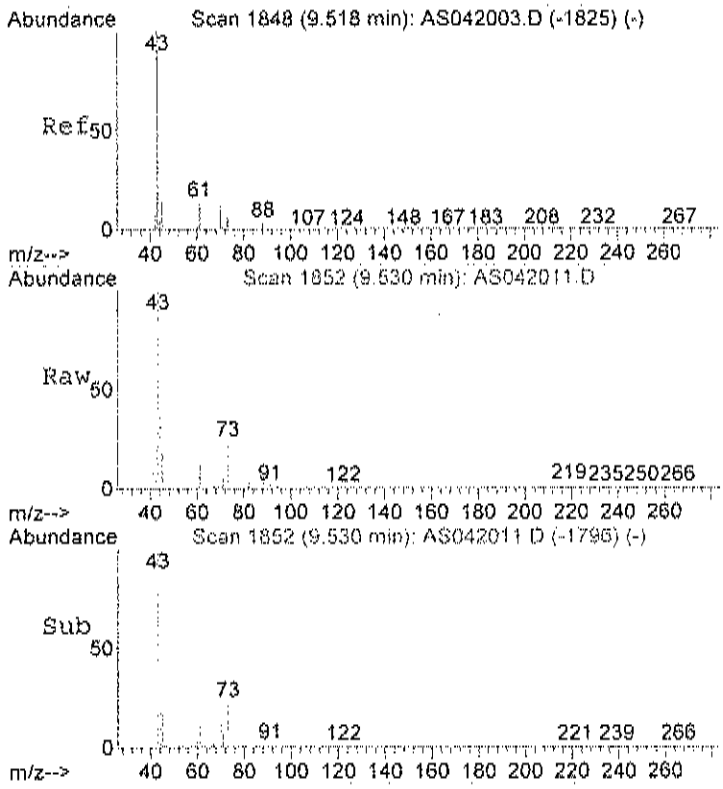


#28
Methyl Ethyl Ketone
Concen: 0.25 ppb
RT: 8.93 min Scan# 1651
Delta R.T. 0.02 min
Lab File: AS042011.D
Acq: 20 Apr 2021 7:20 pm

Tgt Ion: 72 Resp: 12694

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

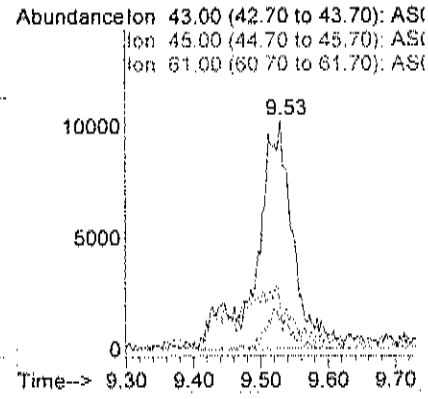


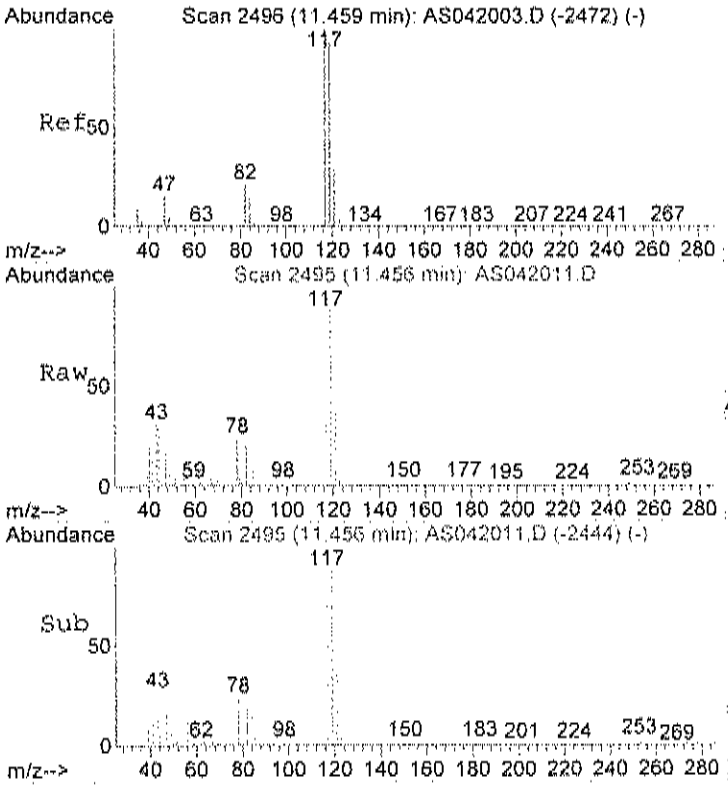


#31
Ethyl acetate
Concen: 0.18 ppb
RT: 9.53 min Scan# 1852
Delta R.T. 0.02 min
Lab File: AS042011.D
Acq: 20 Apr 2021 7:20 pm

Tgt Ion: 43 Resp: 38839

Ion	Ratio	Lower	Upper
43	100		
45	39.9	0.0	35.3#
61	10.4	0.0	37.2

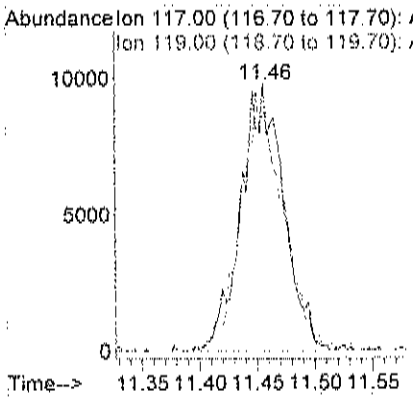


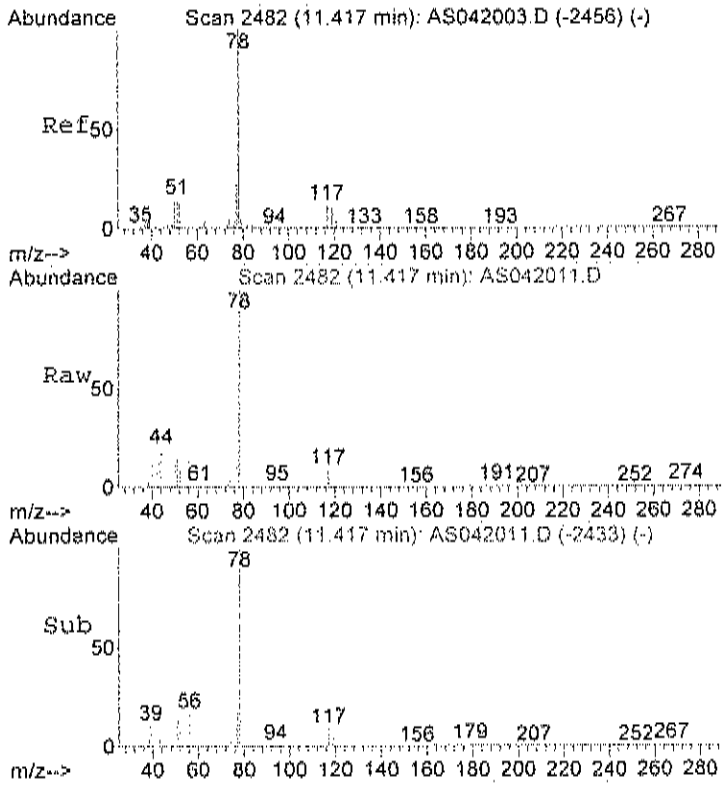


#38
Carbon tetrachloride
Concen: 0.08 ppb
RT: 11.46 min Scan# 2495
Delta R.T. 0.00 min
Lab File: AS042011.D
Acq: 20 Apr 2021 7:20 pm

Tgt Ion:117 Resp: 25145

Ion	Ratio	Lower	Upper
117	100		
119	96.3	75.8	115.8

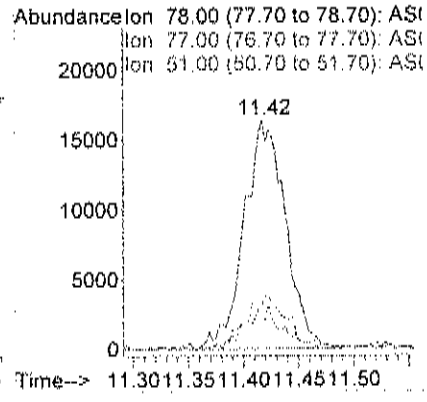


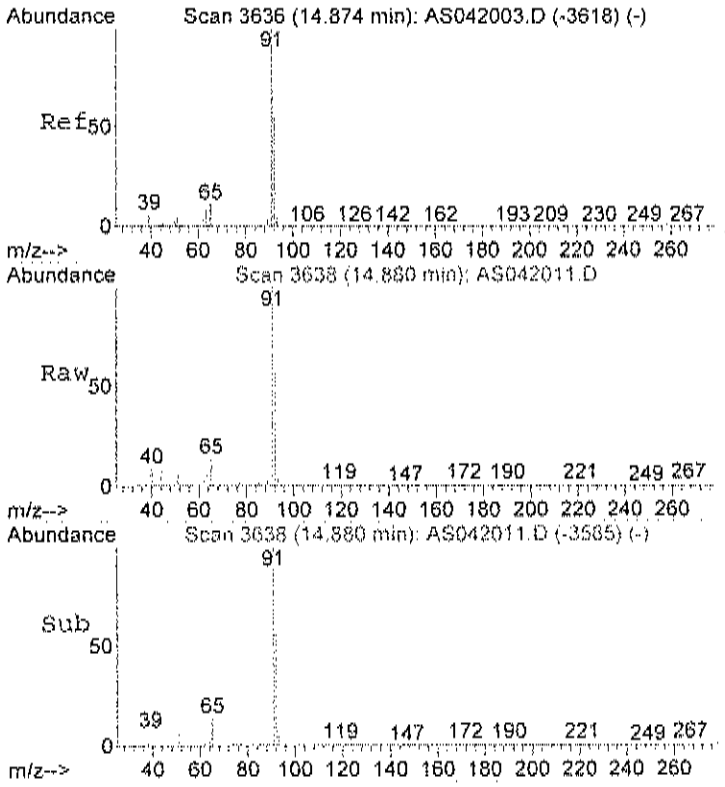


#39
Benzene
Concen: 0.13 ppb
RT: 11.42 min Scan# 2482
Delta R.T. -0.00 min
Lab File: AS042011.D
Acq: 20 Apr 2021 7:20 pm

Tgt Ion: 78 Resp: 42957

Ion	Ratio	Lower	Upper
78	100		
77	23.2	3.3	43.3
51	16.1	0.0	35.4

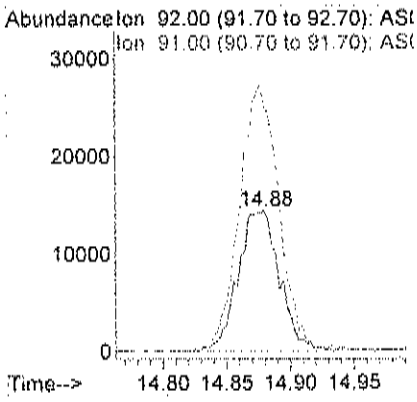




#51
Toluene
Concen: 0.15 ppb
RT: 14.88 min Scan# 3638
Delta R.T. 0.01 min
Lab File: AS042011.D
Acq: 20 Apr 2021 7:20 pm

Tgt Ion: 92 Resp: 32408

Ion	Ratio	Lower	Upper
92	100		
91	182.6	154.0	194.0



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AS042021.D Vial: 14
Acq On : 21 Apr 2021 2:36 am Operator: RJP
Sample : C2104038-003A 10X Inst : MSD #1
Misc : A317_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 21 09:55:31 2021 Quant Results File: A317_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A317_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Mon Apr 12 12:02:39 2021
Response via : Initial Calibration
DataAcq Meth : 1UG_ENT

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	9.81	128	76420	1.00	ppb	0.00
35) 1,4-difluorobenzene	12.11	114	264345	1.00	ppb	0.00
50) Chlorobenzene-d5	16.92	117	242622	1.00	ppb	0.00
System Monitoring Compounds						
65) Bromofluorobenzene	18.71	95	146757	0.80	ppb	0.05
Spiked Amount 1.000	Range 70 - 130		Recovery = 80.00%			
Target Compounds						Qvalue
15) Acetone	6.03	58	27769m	0.59	ppb	
17) Isopropyl alcohol	6.14	45	34255	0.28	ppb	# 1

(#) = qualifier out of range (m) = manual integration (+) = signals summed
AS042021.D A317_1UG.M Wed May 05 08:20:07 2021 MSD1 Page 1

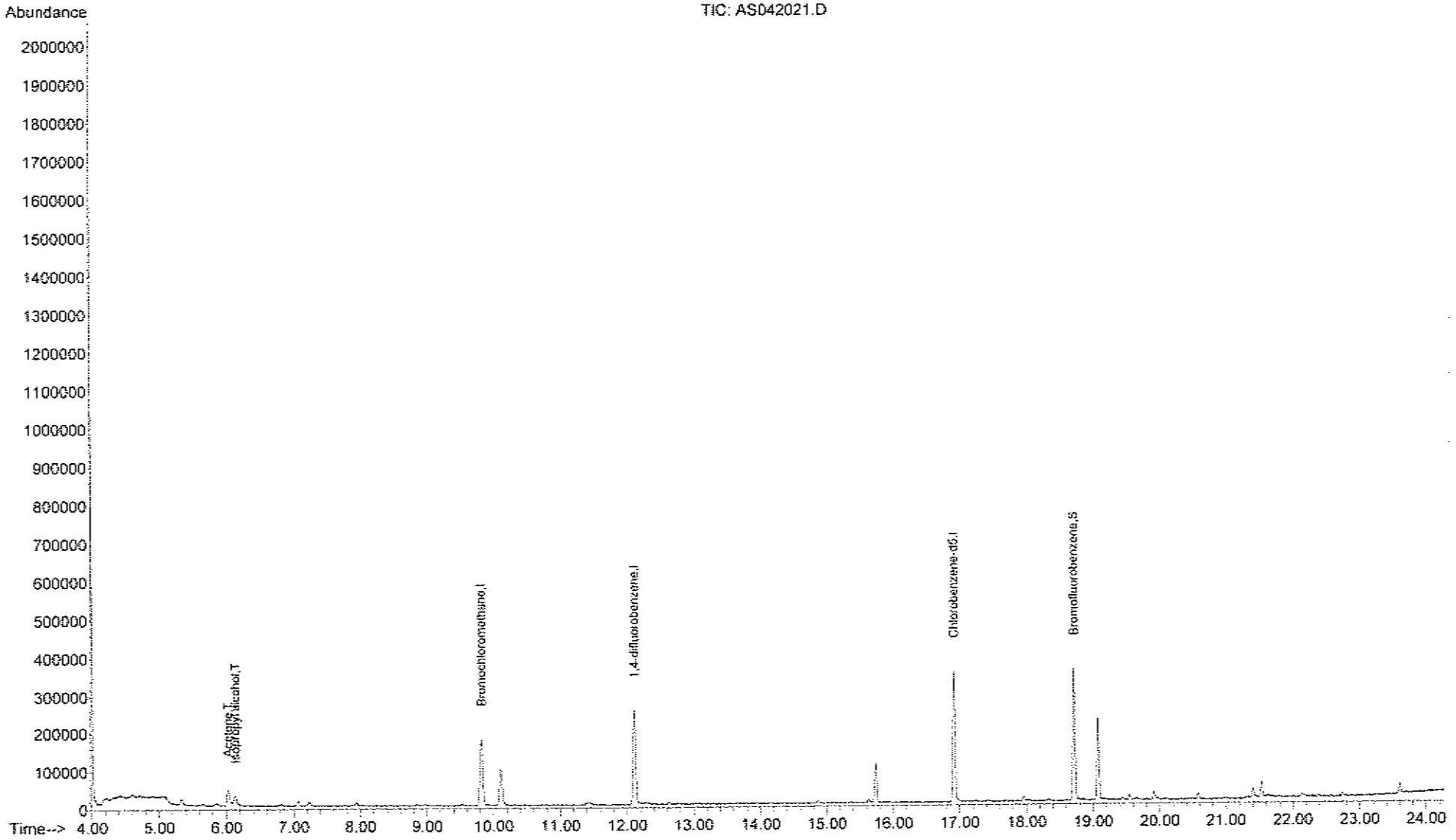
Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AS042021.D
Acq On : 21 Apr 2021 2:36 am
Sample : C2104038-003A 10X
Misc : A317_1UG
MS Integration Params: RTEINT.P
Quant Time: May 5 8:15 2021

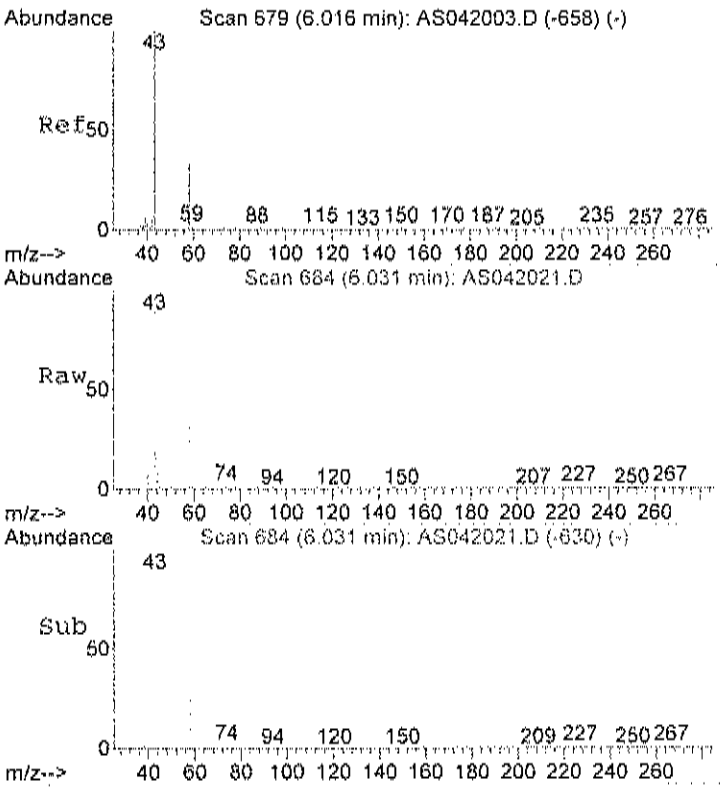
Vial: 14
Operator: RJP
Inst : MSD #1
Multiplr: 1.00

Quant Results File: A317_1UG.RES

Method : C:\HPCHEM\1\METHODS\A317_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed May 05 08:06:45 2021
Response via : Initial Calibration



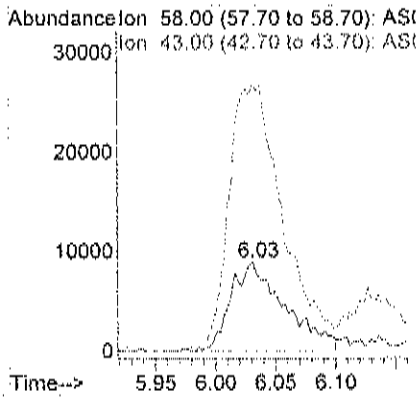
AS042021.D A317_1UG.M Wed May 05 08:20:08 2021 MSD1

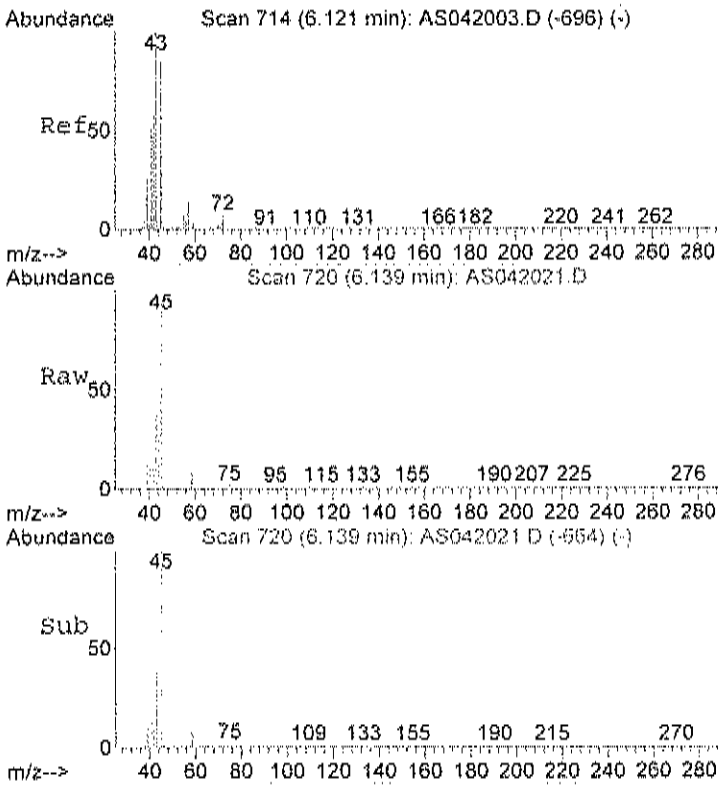


#15
Acetone
Concen: 0.59 ppb m
RT: 6.03 min Scan# 684
Delta R.T. 0.01 min
Lab File: AS042021.D
Acq: 21 Apr 2021 2:36 am

Tgt Ion: 58 Resp: 27769

Ion	Ratio	Lower	Upper
58	100		
43	346.1	195.2	255.2#

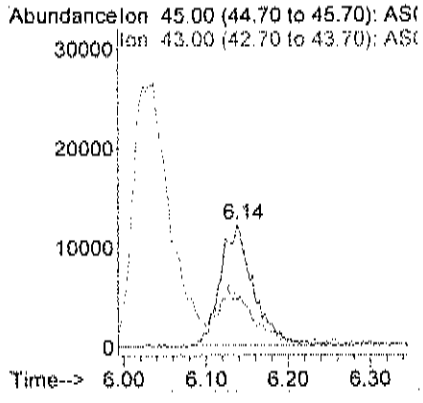




#17
Isopropyl alcohol
Concen: 0.28 ppb
RT: 6.14 min Scan# 720
Delta R.T. 0.02 min
Lab File: AS042021.D
Acq: 21 Apr 2021 2:36 am

Tgt Ion: 45 Resp: 34255

Ion	Ratio	Lower	Upper
45	100		
43	0.0	103.4	143.4#



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\A317_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Tue Apr 06 14:32:00 2021
Response via : Initial Calibration

Calibration Files
2.0 =AS031712.D 1.50 =AS031711.D 1.25 =AS031710.D
1.0 =AS031709.D 0.75 =AS031708.D 0.50 =AS031707.D

		Compound	2.0	1.50	1.25	1.0	0.75	0.50	Avg	%RSD
1)	I	Bromochloromethane	----------ISTD----------							
2)	T	Propylene	0.696	0.708	0.712	0.704	0.699	0.690	0.737	10.35
3)	T	Freon 12	3.455	3.464	3.565	3.631	3.701	3.745	3.738	8.20
4)	T	Chloromethane	0.819	0.786	0.823	0.879	0.945	0.829	0.900	15.94
5)	T	Freon 114	2.706	2.693	2.719	2.993	3.054	2.877	2.960	9.94
6)	T	Vinyl Chloride	0.784	0.793	0.804	0.875	0.893	0.869	0.911	10.52
7)	T	Butane	0.886	0.895	0.909	0.960	0.990	1.009	1.007	13.36
8)	T	1,3-butadiene	0.635	0.629	0.640	0.685	0.714	0.696	0.713	14.43
9)	T	Bromomethane	0.979	1.032	1.011	1.050	1.070	1.123	1.117	13.30
10)	T	Chloroethane	0.391	0.372	0.370	0.407	0.433	0.422	0.417	10.79
11)	T	Ethanol	0.260	0.234	0.242	0.251	0.270	0.246	0.273	16.88
12)	T	Acrolein	0.384	0.358	0.357	0.376	0.378	0.371	0.390	10.73
13)	T	Vinyl Bromide	1.188	1.152	1.029	1.191	1.179	1.063	1.162	7.54
14)	T	Freon 11	3.848	3.776	3.818	3.957	4.042	4.081	4.095	9.26
15)	T	Acetone	0.572	0.548	0.552	0.552	0.614	0.578	0.613	15.33
16)	T	Pentane	1.008	0.943	0.965	0.977	0.990	1.035	1.043	11.73
17)	T	Isopropyl alcoh	1.573	1.529	1.515	1.550	1.571	1.635	1.574	2.68
18)	T	1,1-dichloroeth	1.181	1.184	1.190	1.168	1.249	1.282	1.300	11.83
19)	T	Freon 113	2.885	2.834	3.013	3.084	3.001	3.048	3.112	9.46
20)	t	t-Butyl alcohol	1.949	1.998	1.863	1.859	2.007	2.039	1.997	5.28
21)	T	Methylene chlor	1.122	1.114	1.229	1.261	1.319	1.262	1.300	14.89
22)	T	Allyl chloride	1.135	1.103	1.174	1.162	1.256	1.103	1.194	7.44
23)	T	Carbon disulfid	3.356	3.271	3.617	3.647	3.745	4.017	3.857	15.26
24)	T	trans-1,2-dichl	1.677	1.710	1.706	1.671	1.707	1.722	1.755	6.58
25)	T	methyl tert-but	2.953	2.793	2.708	2.622	2.565	2.618	2.753	6.19
26)	T	1,1-dichloroeth	2.133	2.273	2.302	2.334	2.358	2.389	2.389	8.24
27)	T	Vinyl acetate	2.045	2.042	1.914	1.840	1.820	1.894	1.956	6.03
28)	T	Methyl Ethyl Ke	0.541	0.541	0.523	0.509	0.494	0.533	0.534	5.38
29)	T	cis-1,2-dichlor	1.545	1.521	1.485	1.439	1.505	1.541	1.577	9.39
30)	T	Hexane	1.687	1.671	1.586	1.577	1.500	1.502	1.576	4.87
31)	T	Ethyl acetate	2.166	2.140	2.124	2.070	2.070	2.162	2.203	8.51
32)	T	Chloroform	2.984	2.983	2.996	3.052	3.112	3.167	3.178	8.19
33)	T	Tetrahydrofuran	0.980	0.958	0.932	0.904	0.890	0.890	0.938	4.56
34)	T	1,2-dichloroeth	1.830	1.803	1.831	1.852	1.857	1.954	1.919	7.84
35)	I	1,4-difluorobenzene	----------ISTD----------							
36)	T	1,1,1-trichloro	0.775	0.774	0.782	0.794	0.793	0.831	0.822	8.33
37)	T	Cyclohexane	0.403	0.392	0.385	0.380	0.366	0.356	0.381	4.49
38)	T	Carbon tetrachl	0.851	0.837	0.848	0.885	0.881	0.891	0.919	10.97
39)	T	Benzene	0.947	0.930	0.939	0.941	0.910	0.921	0.961	5.96
40)	T	Methyl methacry	0.366	0.352	0.345	0.342	0.323	0.324	0.338	4.77
41)	T	1,4-dioxane	0.231	0.221	0.225	0.220	0.208	0.198	0.209	8.93
42)	T	2,2,4-trimethyl	1.329	1.293	1.316	1.295	1.263	1.235	1.287	2.60
43)	T	Heptane	0.450	0.428	0.432	0.421	0.402	0.385	0.415	5.27
44)	T	Trichloroethene	0.487	0.482	0.494	0.500	0.491	0.512	0.510	7.29
45)	T	1,2-dichloropro	0.359	0.358	0.356	0.373	0.363	0.370	0.375	6.30
46)	T	Bromodichlorome	0.782	0.784	0.800	0.812	0.824	0.828	0.830	7.22
47)	T	cis-1,3-dichlor	0.540	0.530	0.540	0.529	0.531	0.525	0.529	1.66
48)	T	trans-1,3-dichl	0.440	0.447	0.430	0.424	0.435	0.414	0.435	3.77
49)	T	1,1,2-trichloro	0.450	0.445	0.452	0.460	0.464	0.487	0.475	6.84
50)	I	Chlorobenzene-d5	----------ISTD----------							
51)	T	Toluene	0.703	0.684	0.695	0.679	0.631	0.628	0.666	4.79

(#) = Out of Range ### Number of calibration levels exceeded format ###

Response Factor Report MSD #1

Method : C:\HPCHEM\1\METHODS\A317_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Tue Apr 06 14:32:00 2021
Response via : Initial Calibration

Calibration Files
2.0 =AS031712.D 1.50 =AS031711.D 1.25 =AS031710.D
1.0 =AS031709.D 0.75 =AS031708.D 0.50 =AS031707.D

		Compound	2.0	1.50	1.25	1.0	0.75	0.50	Avg	%RSD
52)	T	Methyl Isobutyl	0.640	0.626	0.621	0.608	0.595	0.595	0.620	3.42
53)	T	Dibromochlorome	0.876	0.849	0.889	0.903	0.874	0.882	0.901	5.80
54)	T	Methyl Butyl Ke	0.615	0.580	0.575	0.557	0.541	0.527	0.566	5.53
55)	T	1,2-dibromoetha	0.746	0.736	0.742	0.751	0.738	0.749	0.762	4.84
56)	T	Tetrachloroethy	0.527	0.524	0.542	0.553	0.531	0.541	0.550	5.27
57)	T	Chlorobenzene	1.046	1.031	1.063	1.057	1.026	1.038	1.062	3.75
58)	T	Ethylbenzene	1.541	1.476	1.467	1.428	1.361	1.330	1.410	5.81
59)	T	m&p-xylene	1.315	1.258	1.302	1.272	1.162	1.121	1.198	8.37
60)	T	Nonane	0.778	0.738	0.759	0.745	0.683	0.654	0.700	9.12
61)	T	Styrene	1.055	1.009	1.055	1.059	0.943	0.921	0.973	8.31
62)	T	Bromoform	0.858	0.830	0.868	0.881	0.823	0.836	0.859	3.85
63)	T	o-xylene	1.468	1.416	1.463	1.485	1.384	1.336	1.393	5.56
64)	T	Cumene	1.887	1.784	1.772	1.722	1.617	1.537	1.667	8.69
65)	S	Bromofluorobenz	0.830	0.801	0.841	0.851	0.781	0.771	0.756	9.83
66)	T	1,1,2,2-tetrach	1.084	1.070	1.092	1.115	1.096	1.139	1.134	6.89
67)	T	Propylbenzene	0.529	0.499	0.502	0.490	0.460	0.431	0.469	8.64
68)	T	2-Chlorotoluene	0.544	0.518	0.549	0.560	0.509	0.499	0.518	5.93
69)	T	4-ethyltoluene	1.894	1.775	1.857	1.823	1.612	1.517	1.674	11.00
70)	T	1,3,5-trimethyl	1.661	1.599	1.688	1.672	1.467	1.369	1.517	10.27
71)	T	1,2,4-trimethyl	1.536	1.452	1.430	1.382	1.255	1.207	1.324	10.85
72)	T	1,3-dichloroben	1.150	1.107	1.140	1.143	1.065	1.060	1.104	3.31
73)	T	benzyl chloride	0.916	0.855	0.818	0.804	0.754	0.720	0.782	10.36
74)	T	1,4-dichloroben	1.148	1.099	1.134	1.140	1.023	1.018	1.068	6.51
75)	T	1,2,3-trimethyl	1.647	1.535	1.614	1.588	1.375	1.303	1.438	12.43
76)	T	1,2-dichloroben	1.076	0.996	1.075	1.078	0.935	0.938	0.994	7.18
77)	T	1,2,4-trichloro	0.548	0.500	0.533	0.500	0.405	0.385	0.452	16.76
78)	T	Naphthalene	1.351	1.199	1.252	1.137	0.903	0.830	1.019	21.22
79)	T	Hexachloro-1,3-	0.807	0.794	0.831	0.828	0.778	0.788	0.821	5.68

(#) = Out of Range ### Number of calibration levels exceeded format ###

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA2\AS031702.D Vial: 2
Acq On : 17 Mar 2021 9:39 am Operator: RJP
Sample : A1UG_0.03 Inst : MSD #1
Misc : A317_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 17 10:05:35 2021 Quant Results File: A316_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A316_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Tue Mar 16 11:30:56 2021
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AS031606.D
DataAcq Meth : 1UG_ENT

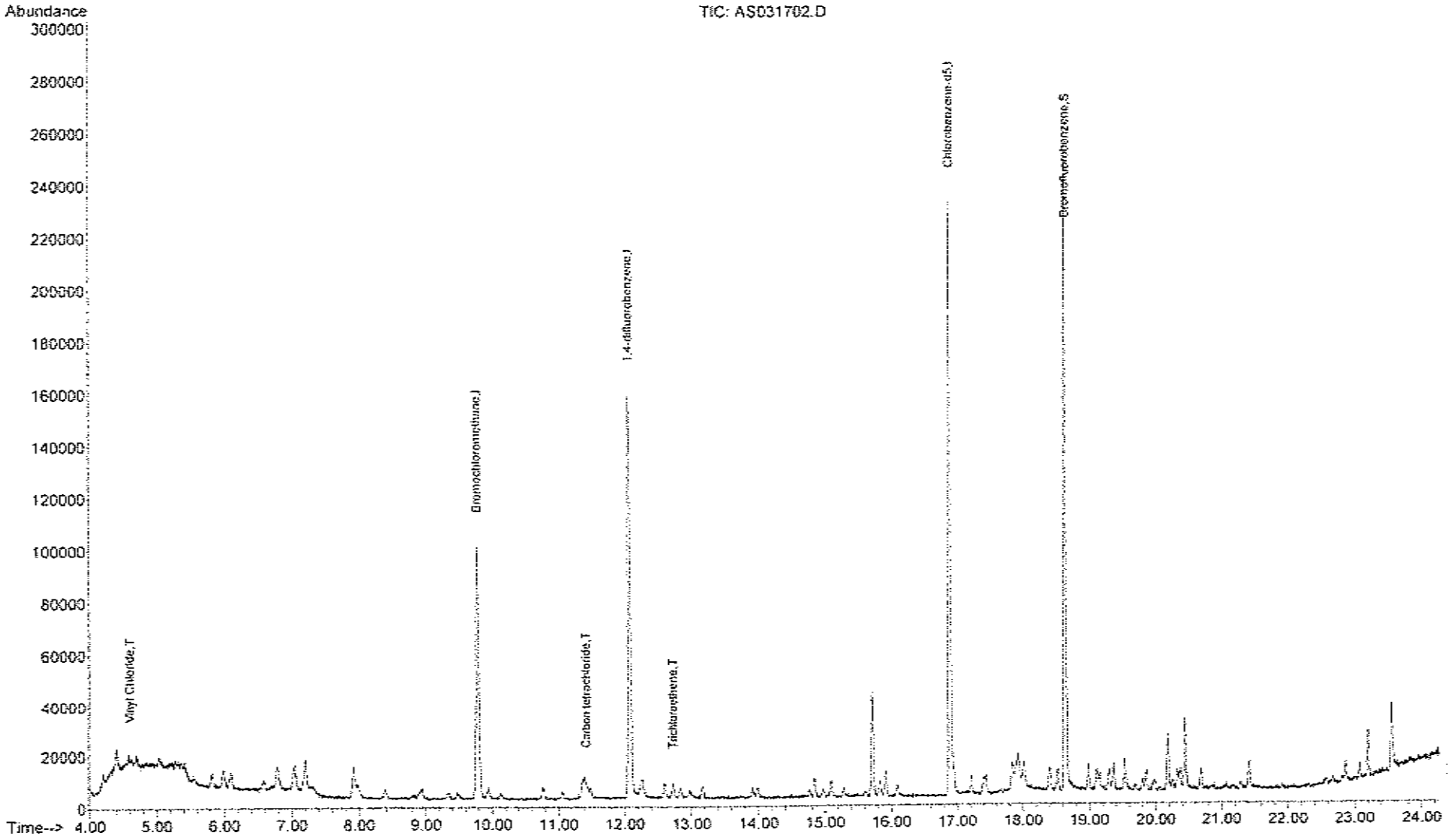
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	9.78	128	44892	1.00	ppb	0.00
35) 1,4-difluorobenzene	12.07	114	162459	1.00	ppb	0.00
50) Chlorobenzene-d5	16.89	117	158205	1.00	ppb	0.00
System Monitoring Compounds						
65) Bromofluorobenzene	18.65	95	101820	0.80	ppb	-0.04
Spiked Amount 1.000	Range 70 - 130		Recovery = 80.00%			
Target Compounds						Qvalue
6) Vinyl Chloride	4.58	62	1337	0.03	ppb	78
38) Carbon tetrachloride	11.42	117	4333	0.03	ppb	99
44) Trichloroethene	12.72	130	2261m	0.03	ppb	

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

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA2\AS031702.D Vial: 2
Acq On : 17 Mar 2021 9:39 am Operator: RJP
Sample : A1UG_0.03 Inst : MSD #1
Misc : A317_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 17 16:51 2021 Quant Results File: A316_1UG.RES

Method : C:\HPCHEM\1\METHODS\A317_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Tue Apr 06 14:32:00 2021
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AS031606.D



AS031702.D A317_1UG.M Tue Apr 06 14:37:04 2021 MSD1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AS031703.D Vial: 3
Acq On : 17 Mar 2021 10:31 am Operator: RJP
Sample : A1UG_0.04 Inst : MSD #1
Misc : A317_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 17 15:41:34 2021 Quant Results File: A317_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A317_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed Mar 17 15:38:58 2021
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AS031709.D
DataAcq Meth : 1UG_ENT

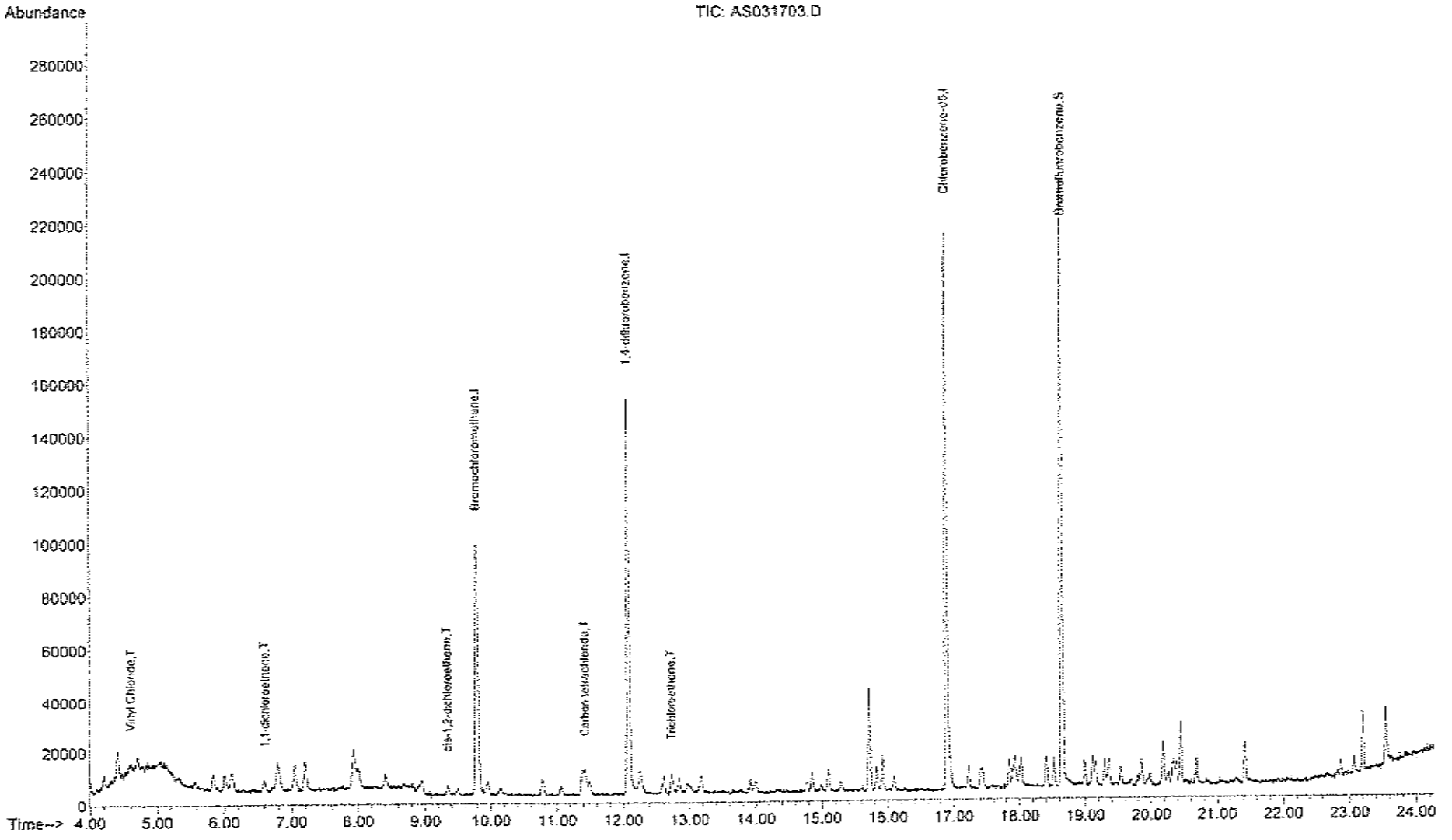
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	9.79	128	44331	1.00	ppb		0.00
35) 1,4-difluorobenzene	12.08	114	165336	1.00	ppb		0.00
50) Chlorobenzene-d5	16.90	117	153986	1.00	ppb		0.00
System Monitoring Compounds							
65) Bromofluorobenzene	18.64	95	99245	0.76	ppb		-0.05
Spiked Amount 1.000	Range 70 - 130		Recovery = 76.00%				
Target Compounds							Qvalue
6) Vinyl Chloride	4.60	62	1797	0.05	ppb		87
18) 1,1-dichloroethene	6.61	96	2330	0.04	ppb		88
29) cis-1,2-dichloroethene	9.34	61	2628	0.04	ppb	#	82
38) Carbon tetrachloride	11.42	117	5901	0.04	ppb		98
44) Trichloroethene	12.73	130	3319	0.04	ppb		97

(#) = qualifier out of range (m) = manual integration (+) = signals summed
AS031703.D A317_1UG.M Tue Apr 06 14:41:40 2021 MSD1 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AS031703.D Vial: 3
Acq On : 17 Mar 2021 10:31 am Operator: RJP
Sample : A1UG_0.04 Inst : MSD #1
Misc : A317_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 17 16:52 2021 Quant Results File: A317_1UG.RES

Method : C:\HPCHEM\1\METHODS\A317_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Tue Apr 06 14:32:00 2021
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AS031709.D



AS031703.D A317_1UG.M Tue Apr 06 14:41:41 2021 MSD1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AS031704.D Vial: 4
Acq On : 17 Mar 2021 11:27 am Operator: RJP
Sample : A1UG_0.10 Inst : MSD #1
Misc : A317_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 17 15:41:11 2021 Quant Results File: A317_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A317_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed Mar 17 15:38:58 2021
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AS031709.D
DataAcq Meth : 1UG_ENT

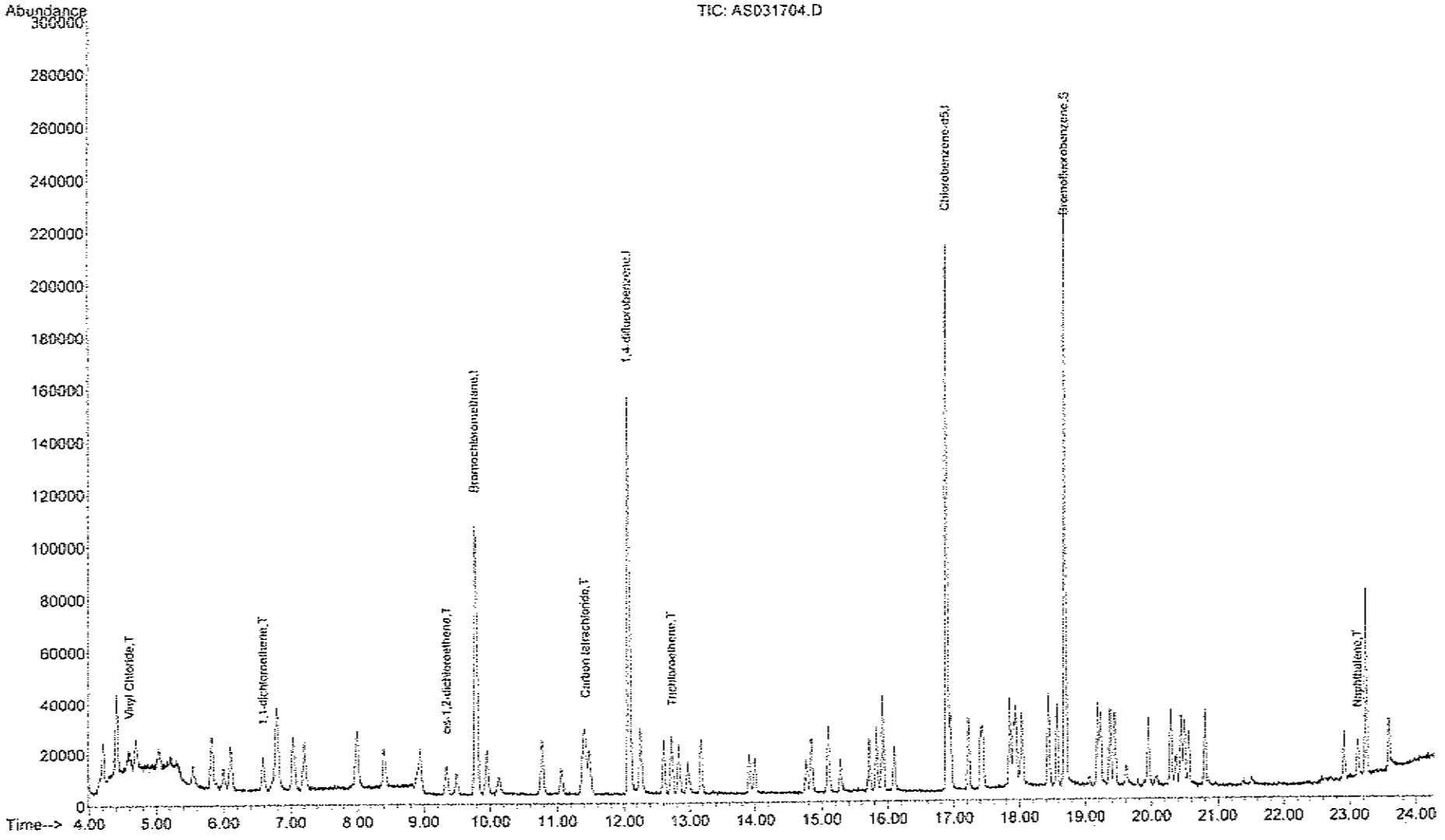
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	9.78	128	45233	1.00	ppb	0.00
35) 1,4-difluorobenzene	12.08	114	164636	1.00	ppb	0.00
50) Chlorobenzene-d5	16.89	117	150636	1.00	ppb	0.00
System Monitoring Compounds						
65) Bromofluorobenzene	18.69	95	104546	0.82	ppb	0.00
Spiked Amount 1.000	Range 70 - 130		Recovery = 82.00%			
Target Compounds						Qvalue
6) Vinyl Chloride	4.59	62	4734m	0.12	ppb	
18) 1,1-dichloroethene	6.59	96	7452	0.14	ppb	92
29) cis-1,2-dichloroethene	9.35	61	8634	0.13	ppb	96
38) Carbon tetrachloride	11.42	117	19502	0.13	ppb	98
44) Trichloroethene	12.72	130	9714	0.12	ppb	98
78) Naphthalene	23.12	128	13788	0.08	ppb	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed
AS031704.D A317_1UG.M Tue Apr 06 14:41:47 2021 MSD1 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AS031704.D Vial: 4
Acq On : 17 Mar 2021 11:27 am Operator: RJP
Sample : A1UG_0.10 Inst : MSD #1
Misc : A317_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 18 4:48 2021 Quant Results File: A317_1UG.RES

Method : C:\HPCHEM\1\METHODS\A317_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Tue Apr 06 14:32:00 2021
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AS031709.D



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AS031705.D Vial: 5
Acq On : 17 Mar 2021 12:10 pm Operator: RJP
Sample : A1UG_0.15 Inst : MSD #1
Misc : A317_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 17 15:40:53 2021 Quant Results File: A317_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A317_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed Mar 17 15:38:58 2021
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AS031709.D
DataAcq Meth : 1UG_ENT

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	9.79	128	45211	1.00	ppb		0.00
35) 1,4-difluorobenzene	12.08	114	168095	1.00	ppb		0.00
50) Chlorobenzene-d5	16.90	117	162024	1.00	ppb		0.00
System Monitoring Compounds							
65) Bromofluorobenzene	18.69	95	117251	0.85	ppb		0.00
Spiked Amount 1.000	Range 70 - 130		Recovery = 85.00%				
Target Compounds							Qvalue
2) Propylene	4.15	41	6199	0.19	ppb		92
3) Freon 12	4.20	85	29691	0.18	ppb		100
4) Chloromethane	4.39	50	8362	0.21	ppb		100
5) Freon 114	4.39	85	24284	0.18	ppb		95
6) Vinyl Chloride	4.59	62	6885	0.17	ppb		97
7) Butane	4.70	43	8648	0.20	ppb	#	92
8) 1,3-butadiene	4.69	39	6384	0.20	ppb		91
9) Bromomethane	5.03	94	9650	0.20	ppb		97
10) Chloroethane	5.20	64	3456	0.19	ppb	#	77
11) Ethanol	5.30	45	2494m	0.22	ppb		
12) Acrolein	5.88	56	3285	0.19	ppb		81
13) Vinyl Bromide	5.54	106	8935	0.17	ppb		99
14) Freon 11	5.82	101	33432	0.19	ppb		100
15) Acetone	6.00	58	5596	0.22	ppb	#	62
16) Pentane	6.10	42	8945	0.20	ppb		93
17) Isopropyl alcohol	6.11	45	10981	0.16	ppb	#	80
18) 1,1-dichloroethene	6.59	96	10029	0.19	ppb		88
19) Freon 113	6.78	101	25550	0.18	ppb		99
20) t-Butyl alcohol	6.81	59	14529	0.17	ppb	#	76
21) Methylene chloride	7.04	84	11725	0.21	ppb		98
22) Allyl chloride	7.03	41	9181	0.17	ppb		92
23) Carbon disulfide	7.20	76	34863	0.21	ppb		97
24) trans-1,2-dichloroethene	7.97	61	13639	0.18	ppb		97
25) methyl tert-butyl ether	7.99	73	20675	0.17	ppb		77
26) 1,1-dichloroethane	8.40	63	18915	0.18	ppb		98
27) Vinyl acetate	8.39	43	14679	0.18	ppb		97
28) Methyl Ethyl Ketone	8.90	72	4012	0.17	ppb	#	100
29) cis-1,2-dichloroethene	9.33	61	12051	0.19	ppb		99
30) Hexane	8.95	57	10833	0.15	ppb	#	75
31) Ethyl acetate	9.49	43	17936	0.19	ppb		96
32) Chloroform	9.94	83	25201	0.18	ppb		99
33) Tetrahydrofuran	10.13	42	6828	0.17	ppb		85
34) 1,2-dichloroethane	11.06	62	15340	0.18	ppb		98
36) 1,1,1-trichloroethane	10.77	97	24645	0.18	ppb		99
37) Cyclohexane	11.48	56	10040	0.16	ppb		83
38) Carbon tetrachloride	11.43	117	25595	0.17	ppb		95
39) Benzene	11.39	78	26962	0.17	ppb		97
40) Methyl methacrylate	12.96	41	8506	0.15	ppb		92
41) 1,4-dioxane	12.99	88	4553	0.12	ppb		99
42) 2,2,4-trimethylpentane	12.26	57	33083	0.15	ppb		84
43) Heptane	12.60	43	10371	0.15	ppb		97
44) Trichloroethene	12.73	130	14249	0.17	ppb		98
45) 1,2-dichloropropane	12.83	63	10695	0.17	ppb		96

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AS031705.D Vial: 5
Acq On : 17 Mar 2021 12:10 pm Operator: RJP
Sample : A1UG_0.15 Inst : MSD #1
Misc : A317_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 17 15:40:53 2021 Quant Results File: A317_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A317_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed Mar 17 15:38:58 2021
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AS031709.D
DataAcq Meth : 1UG_ENT

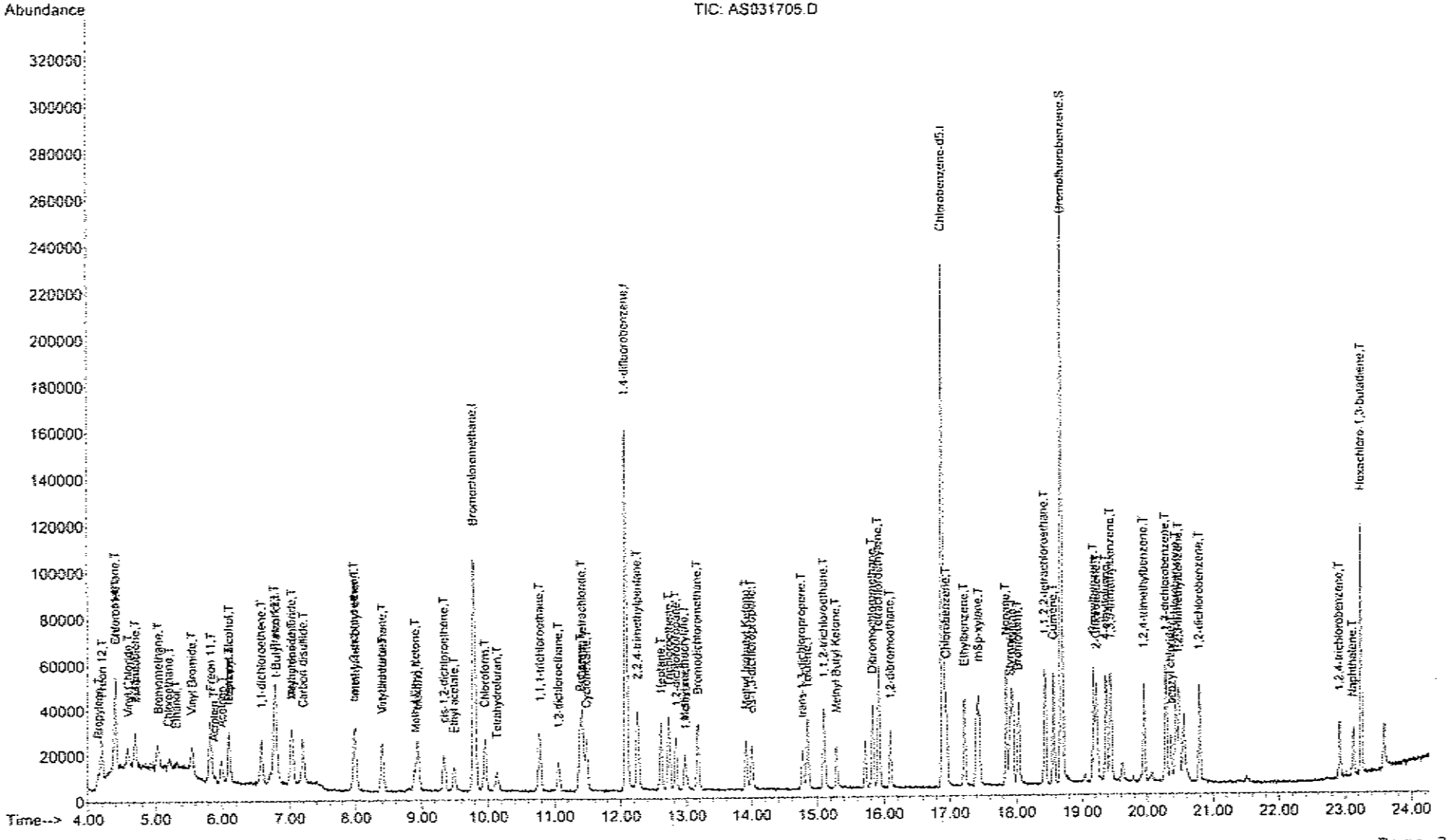
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46)	Bromodichloromethane	13.17	83	24425	0.18	ppb		100
47)	cis-1,3-dichloropropene	14.00	75	13149	0.15	ppb		99
48)	trans-1,3-dichloropropene	14.77	75	11766	0.16	ppb		93
49)	1,1,2-trichloroethane	15.10	97	13568	0.18	ppb		97
51)	Toluene	14.85	92	16622	0.15	ppb		99
52)	Methyl Isobutyl Ketone	13.92	43	15946	0.16	ppb		90
53)	Dibromochloromethane	15.83	129	24810	0.17	ppb		97
54)	Methyl Butyl Ketone	15.28	43	14486	0.16	ppb		79
55)	1,2-dibromoethane	16.10	107	20501	0.17	ppb		100
56)	Tetrachloroethylene	15.92	164	14870	0.17	ppb		99
57)	Chlorobenzene	16.95	112	27887	0.16	ppb		98
58)	Ethylbenzene	17.22	91	33475	0.14	ppb		100
59)	m&p-xylene	17.44	91	53065	0.26	ppb		98
60)	Nonane	17.85	43	15319	0.13	ppb		85
61)	Styrene	17.91	104	21065	0.12	ppb		92
62)	Bromoform	18.03	173	22480	0.16	ppb		99
63)	o-xylene	17.95	91	32023	0.13	ppb		95
64)	Cumene	18.57	105	37234	0.13	ppb	#	97
66)	1,1,2,2-tetrachloroethane	18.44	83	31871	0.18	ppb		99
67)	Propylbenzene	19.18	120	10644	0.13	ppb		73
68)	2-Chlorotoluene	19.22	126	11739	0.13	ppb	#	84
69)	4-ethyltoluene	19.37	105	35881	0.12	ppb		100
70)	1,3,5-trimethylbenzene	19.44	105	33164	0.12	ppb		79
71)	1,2,4-trimethylbenzene	19.95	105	28786	0.13	ppb		99
72)	1,3-dichlorobenzene	20.28	146	26583	0.14	ppb		99
73)	benzyl chloride	20.36	91	16505	0.13	ppb		98
74)	1,4-dichlorobenzene	20.43	146	24260	0.13	ppb		100
75)	1,2,3-trimethylbenzene	20.48	105	29915	0.12	ppb		96
76)	1,2-dichlorobenzene	20.80	146	22908	0.13	ppb		98
77)	1,2,4-trichlorobenzene	22.91	180	9132	0.11	ppb		95
78)	Naphthalene	23.11	128	19413	0.11	ppb		99
79)	Hexachloro-1,3-butadiene	23.24	225	22528	0.17	ppb		97

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AS031705.D Vial: 5
Acq On : 17 Mar 2021 12:10 pm Operator: RJP
Sample : A1UG_0.15 Inst : MSD #1
Misc : A317_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 17 16:55 2021 Quant Results File: A317_1UG.RES

Method : C:\HPCHEM\1\METHODS\A317_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Tue Apr 06 14:32:00 2021
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AS031709.D



AS031705.D A317_1UG.M Tue Apr 06 14:41:57 2021 MSD1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AS031706.D Vial: 6
Acq On : 17 Mar 2021 12:51 pm Operator: RJP
Sample : A1UG_0.30 Inst : MSD #1
Misc : A317_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 17 15:40:35 2021 Quant Results File: A317_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A317_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed Mar 17 15:38:58 2021
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AS031709.D
DataAcq Meth : 1UG_ENT

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	9.79	128	46734	1.00	ppb		0.00
35) 1,4-difluorobenzene	12.08	114	172789	1.00	ppb		0.00
50) Chlorobenzene-d5	16.90	117	167269	1.00	ppb		0.00
System Monitoring Compounds							
65) Bromofluorobenzene	18.69	95	122386	0.86	ppb		0.00
Spiked Amount 1.000	Range 70 - 130		Recovery = 86.00%				
Target Compounds							Qvalue
2) Propylene	4.14	41	10865	0.33	ppb		97
3) Freon 12	4.19	85	55560	0.33	ppb		97
4) Chloromethane	4.39	50	12423	0.30	ppb		91
5) Freon 114	4.40	85	42828	0.31	ppb		98
6) Vinyl Chloride	4.59	62	13055	0.32	ppb		98
7) Butane	4.69	43	15853	0.35	ppb		96
8) 1,3-butadiene	4.70	39	10674	0.33	ppb		92
9) Bromomethane	5.04	94	17479	0.36	ppb		98
10) Chloroethane	5.21	64	6073	0.32	ppb		96
11) Ethanol	5.30	45	4456	0.38	ppb		77
12) Acrolein	5.88	56	5780	0.33	ppb	#	78
13) Vinyl Bromide	5.56	106	16432	0.30	ppb		95
14) Freon 11	5.82	101	60457	0.33	ppb		97
15) Acetone	5.99	58	9239	0.36	ppb	#	1
16) Pentane	6.10	42	15528	0.34	ppb	#	25
17) Isopropyl alcohol	6.11	45	22395	0.31	ppb	#	1
18) 1,1-dichloroethene	6.58	96	18270	0.33	ppb		92
19) Freon 113	6.78	101	45693	0.32	ppb		97
20) t-Butyl alcohol	6.82	59	29734	0.34	ppb	#	84
21) Methylene chloride	7.04	84	19075	0.32	ppb		100
22) Allyl chloride	7.03	41	17681	0.33	ppb		94
23) Carbon disulfide	7.20	76	56926	0.33	ppb		100
24) trans-1,2-dichloroethene	7.98	61	25761	0.33	ppb		93
25) methyl tert-butyl ether	8.00	73	38094	0.31	ppb		77
26) 1,1-dichloroethane	8.40	63	35497	0.33	ppb		98
27) Vinyl acetate	8.39	43	27009	0.31	ppb		96
28) Methyl Ethyl Ketone	8.89	72	7525	0.32	ppb	#	100
29) cis-1,2-dichloroethene	9.34	61	21952	0.33	ppb		97
30) Hexane	8.94	57	20849m	0.28	ppb		
31) Ethyl acetate	9.49	43	31561	0.33	ppb		97
32) Chloroform	9.96	83	47864	0.34	ppb		100
33) Tetrahydrofuran	10.12	42	13257	0.31	ppb		89
34) 1,2-dichloroethane	11.06	62	27474	0.32	ppb		98
36) 1,1,1-trichloroethane	10.78	97	44164	0.32	ppb		99
37) Cyclohexane	11.48	56	18896	0.29	ppb		84
38) Carbon tetrachloride	11.43	117	48762	0.32	ppb		100
39) Benzene	11.39	78	53477	0.33	ppb		96
40) Methyl methacrylate	12.97	41	16549	0.28	ppb		90
41) 1,4-dioxane	12.99	88	9659	0.25	ppb		96
42) 2,2,4-trimethylpentane	12.26	57	64933	0.29	ppb		88
43) Heptane	12.61	43	20318	0.28	ppb		94
44) Trichloroethene	12.73	130	27046	0.31	ppb		98
45) 1,2-dichloropropane	12.84	63	20456	0.32	ppb		96

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AS031706.D Vial: 6
Acq On : 17 Mar 2021 12:51 pm Operator: RJP
Sample : A1UG_0.30 Inst : MSD #1
Misc : A317_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 17 15:40:35 2021 Quant Results File: A317_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A317_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed Mar 17 15:38:58 2021
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AS031709.D
DataAcq Meth : 1UG_ENT

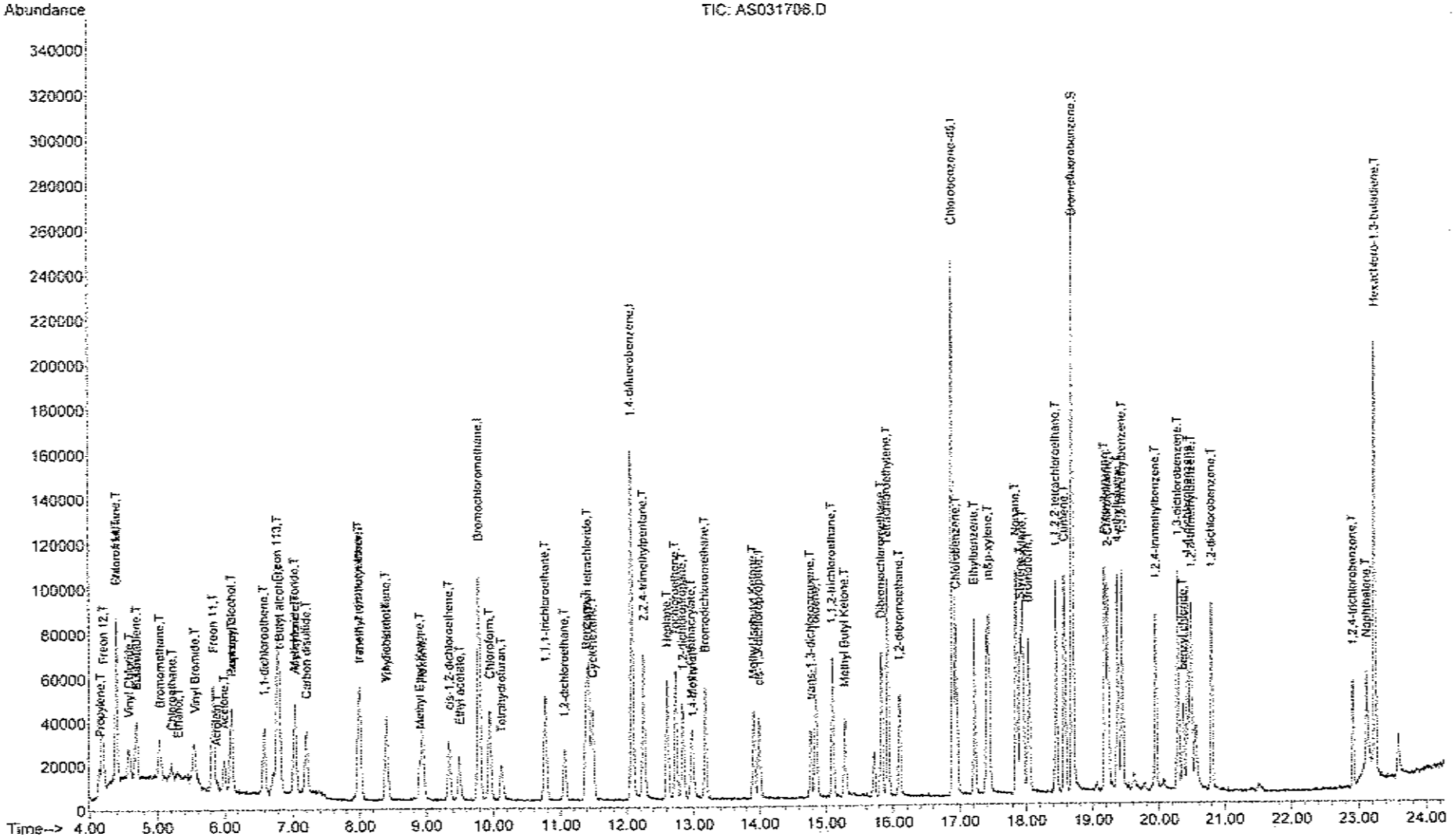
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46)	Bromodichloromethane	13.18	83	43740	0.31	ppb		99
47)	cis-1,3-dichloropropene	14.00	75	26640	0.29	ppb		97
48)	trans-1,3-dichloropropene	14.77	75	21920	0.30	ppb		94
49)	1,1,2-trichloroethane	15.10	97	26152	0.33	ppb		97
51)	Toluene	14.85	92	31492	0.28	ppb		99
52)	Methyl Isobutyl Ketone	13.91	43	30832	0.30	ppb		88
53)	Dibromochloromethane	15.83	129	45710	0.30	ppb		100
54)	Methyl Butyl Ketone	15.28	43	26789	0.29	ppb		84
55)	1,2-dibromoethane	16.09	107	39575	0.31	ppb		95
56)	Tetrachloroethylene	15.92	164	28493	0.31	ppb		97
57)	Chlorobenzene	16.95	112	54645	0.31	ppb		98
58)	Ethylbenzene	17.23	91	65233	0.27	ppb		100
59)	m&p-xylene	17.44	91	106639	0.50	ppb		99
60)	Nonane	17.85	43	30575	0.25	ppb		87
61)	Styrene	17.91	104	44080	0.25	ppb		93
62)	Bromoform	18.04	173	42761	0.29	ppb		99
63)	o-xylene	17.95	91	64085	0.26	ppb		98
64)	Cumene	18.57	105	74534	0.26	ppb		98
66)	1,1,2,2-tetrachloroethane	18.44	83	58614	0.31	ppb		97
67)	Propylbenzene	19.18	120	20907	0.25	ppb		64
68)	2-Chlorotoluene	19.22	126	23989	0.26	ppb	#	84
69)	4-ethyltoluene	19.37	105	72203	0.24	ppb		99
70)	1,3,5-trimethylbenzene	19.44	105	66069	0.24	ppb		78
71)	1,2,4-trimethylbenzene	19.95	105	57645	0.25	ppb		99
72)	1,3-dichlorobenzene	20.28	146	53919	0.28	ppb		100
73)	benzyl chloride	20.36	91	35470	0.26	ppb		98
74)	1,4-dichlorobenzene	20.44	146	49200	0.26	ppb		99
75)	1,2,3-trimethylbenzene	20.49	105	60729	0.23	ppb		99
76)	1,2-dichlorobenzene	20.80	146	45933	0.25	ppb		98
77)	1,2,4-trichlorobenzene	22.92	180	18407	0.22	ppb		96
78)	Naphthalene	23.12	128	39402	0.21	ppb		99
79)	Hexachloro-1,3-butadiene	23.24	225	40971	0.30	ppb		98

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AS031706.D Vial: 6
Acq On : 17 Mar 2021 12:51 pm Operator: RJP
Sample : A1UG_0.30 Inst : MSD #1
Misc : A317_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 17 16:57 2021 Quant Results File: A317_1UG.RES

Method : C:\HPCHEM\1\METHODS\A317_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Tue Apr 06 14:32:00 2021
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AS031709.D



AS031706.D A317_1UG.M Tue Apr 06 14:42:16 2021 MSD1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AS031707.D Vial: 7
Acq On : 17 Mar 2021 1:34 pm Operator: RJP
Sample : A1UG_0.50 Inst : MSD #1
Misc : A317_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 17 15:40:17 2021 Quant Results File: A317_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A317_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed Mar 17 15:38:58 2021
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AS031709.D
DataAcq Meth : 1UG_ENT

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	9.79	128	46561	1.00	ppb		0.00
35) 1,4-difluorobenzene	12.09	114	173153	1.00	ppb		0.00
50) Chlorobenzene-d5	16.90	117	169233	1.00	ppb		0.00
System Monitoring Compounds							
65) Bromofluorobenzene	18.69	95	130461	0.91	ppb		0.00
Spiked Amount 1.000	Range 70 - 130		Recovery = 91.00%				
Target Compounds							Qvalue
2) Propylene	4.15	41	16056	0.49	ppb		81
3) Freon 12	4.20	85	87185	0.52	ppb		99
4) Chloromethane	4.39	50	19308	0.47	ppb		98
5) Freon 114	4.40	85	66979	0.48	ppb		99
6) Vinyl Chloride	4.58	62	20230	0.50	ppb		99
7) Butane	4.69	43	23480	0.53	ppb		96
8) 1,3-butadiene	4.69	39	16212	0.50	ppb		98
9) Bromomethane	5.04	94	26150	0.53	ppb		99
10) Chloroethane	5.21	64	9822	0.52	ppb		92
11) Ethanol	5.31	45	5720	0.49	ppb	#	77
12) Acrolein	5.89	56	8631	0.49	ppb		85
13) Vinyl Bromide	5.54	106	24747	0.45	ppb		98
14) Freon 11	5.82	101	95018	0.52	ppb		97
15) Acetone	5.99	58	13466	0.52	ppb	#	47
16) Pentane	6.10	42	24095	0.53	ppb		91
17) Isopropyl alcohol	6.10	45	38070	0.53	ppb		89
18) 1,1-dichloroethene	6.58	96	29853	0.55	ppb		94
19) Freon 113	6.78	101	70964	0.49	ppb		98
20) t-Butyl alcohol	6.82	59	47466	0.55	ppb	#	86
21) Methylene chloride	7.04	84	29373	0.50	ppb		98
22) Allyl chloride	7.03	41	25679	0.47	ppb		90
23) Carbon disulfide	7.20	76	93518	0.55	ppb		97
24) trans-1,2-dichloroethene	7.98	61	40082	0.52	ppb		95
25) methyl tert-butyl ether	8.00	73	60950	0.50	ppb		77
26) 1,1-dichloroethane	8.41	63	55616	0.51	ppb		98
27) Vinyl acetate	8.40	43	44102	0.51	ppb		96
28) Methyl Ethyl Ketone	8.90	72	12407	0.52	ppb	#	100
29) cis-1,2-dichloroethene	9.34	61	35878	0.54	ppb		96
30) Hexane	8.94	57	34962	0.48	ppb		85
31) Ethyl acetate	9.49	43	50337	0.52	ppb		98
32) Chloroform	9.95	83	73732	0.52	ppb		100
33) Tetrahydrofuran	10.12	42	20713	0.49	ppb		93
34) 1,2-dichloroethane	11.07	62	45500	0.53	ppb		99
36) 1,1,1-trichloroethane	10.78	97	71955	0.52	ppb		99
37) Cyclohexane	11.49	56	30793	0.47	ppb		84
38) Carbon tetrachloride	11.43	117	77132	0.50	ppb		99
39) Benzene	11.39	78	79743	0.49	ppb		97
40) Methyl methacrylate	12.97	41	28026	0.47	ppb		91
41) 1,4-dioxane	12.99	88	17175	0.45	ppb		95
42) 2,2,4-trimethylpentane	12.26	57	106890	0.48	ppb		88
43) Heptane	12.61	43	33316	0.46	ppb		99
44) Trichloroethene	12.73	130	44292	0.51	ppb		98
45) 1,2-dichloropropane	12.84	63	32032	0.50	ppb		100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AS031707.D Vial: 7
Acq On : 17 Mar 2021 1:34 pm Operator: RJP
Sample : A1UG_0.50 Inst : MSD #1
Misc : A317_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 17 15:40:17 2021 Quant Results File: A317_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A317_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed Mar 17 15:38:58 2021
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AS031709.D
DataAcq Meth : 1UG_ENT

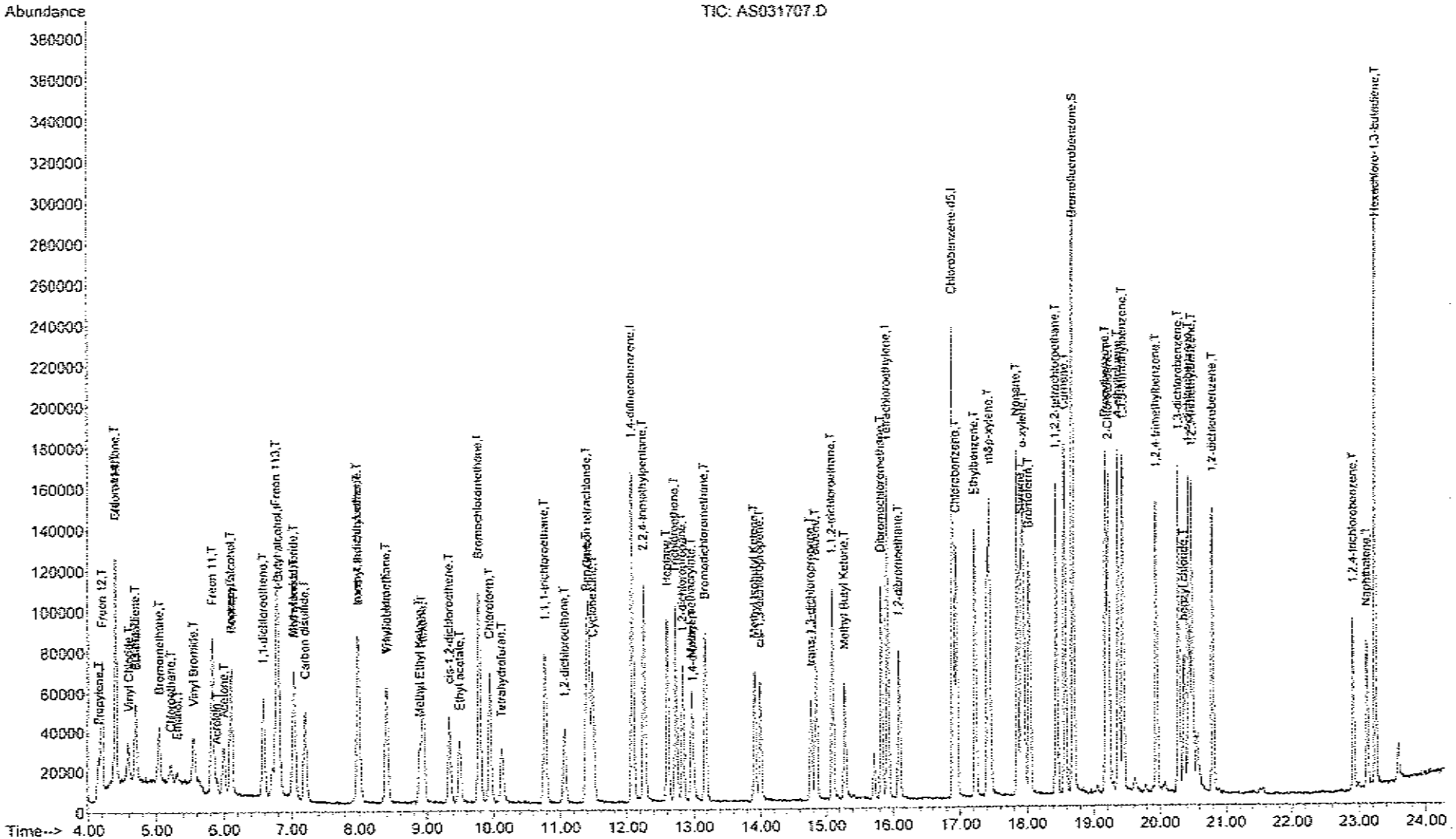
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46)	Bromodichloromethane	13.18	83	71653	0.51	ppb		99
47)	cis-1,3-dichloropropene	14.00	75	45457	0.50	ppb		97
48)	trans-1,3-dichloropropene	14.77	75	35868	0.49	ppb		94
49)	1,1,2-trichloroethane	15.10	97	42140	0.53	ppb		100
51)	Toluene	14.85	92	53170	0.46	ppb		99
52)	Methyl Isobutyl Ketone	13.92	43	50377	0.49	ppb		88
53)	Dibromochloromethane	15.83	129	74629	0.49	ppb		99
54)	Methyl Butyl Ketone	15.28	43	44621	0.47	ppb		83
55)	1,2-dibromoethane	16.10	107	63401	0.50	ppb		99
56)	Tetrachloroethylene	15.93	164	45801	0.49	ppb		99
57)	Chlorobenzene	16.95	112	87871	0.49	ppb		100
58)	Ethylbenzene	17.22	91	112564	0.47	ppb		100
59)	m&p-xylene	17.44	91	189760	0.88	ppb		98
60)	Nonane	17.85	43	55323	0.44	ppb		85
61)	Styrene	17.91	104	77896	0.43	ppb		97
62)	Bromoform	18.04	173	70759	0.47	ppb		99
63)	o-xylene	17.94	91	113021	0.45	ppb		97
64)	Cumene	18.57	105	130052	0.45	ppb		99
66)	1,1,2,2-tetrachloroethane	18.44	83	96419	0.51	ppb		97
67)	Propylbenzene	19.18	120	36459	0.44	ppb		70
68)	2-Chlorotoluene	19.22	126	42228	0.45	ppb	#	78
69)	4-ethyltoluene	19.37	105	128352	0.42	ppb		99
70)	1,3,5-trimethylbenzene	19.44	105	115478	0.41	ppb		74
71)	1,2,4-trimethylbenzene	19.95	105	102148	0.44	ppb		98
72)	1,3-dichlorobenzene	20.28	146	89703	0.46	ppb		99
73)	benzyl chloride	20.36	91	60959	0.45	ppb		98
74)	1,4-dichlorobenzene	20.43	146	86157	0.45	ppb		99
75)	1,2,3-trimethylbenzene	20.49	105	110262	0.41	ppb		100
76)	1,2-dichlorobenzene	20.79	146	79354	0.43	ppb		98
77)	1,2,4-trichlorobenzene	22.91	180	32574	0.39	ppb		97
78)	Naphthalene	23.12	128	70193	0.36	ppb		98
79)	Hexachloro-1,3-butadiene	23.24	225	66677	0.48	ppb		97

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AS031707.D Vial: 7
Acq On : 17 Mar 2021 1:34 pm Operator: RJP
Sample : A1UG_0.50 Inst : MSD #1
Misc : A317_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 17 15:40 2021 Quant Results File: A317_1UG.RES

Method : C:\HPCHEM\1\METHODS\A317_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Tue Apr 06 14:32:00 2021
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AS031709.D



AS031707.D A317_1UG.M Tue Apr 06 14:42:24 2021 MSD1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AS031708.D Vial: 8
Acq On : 17 Mar 2021 2:16 pm Operator: RJP
Sample : A1UG_0.75 Inst : MSD #1
Misc : A317_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 17 15:39:52 2021 Quant Results File: A317_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A317_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed Mar 17 15:38:58 2021
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AS031709.D
DataAcq Meth : 1UG_ENT

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	9.78	128	46895	1.00	ppb		0.00
35) 1,4-difluorobenzene	12.08	114	176343	1.00	ppb		0.00
50) Chlorobenzene-d5	16.89	117	172316	1.00	ppb		0.00
System Monitoring Compounds							
65) Bromofluorobenzene	18.69	95	134635	0.92	ppb		0.00
Spiked Amount 1.000	Range 70 - 130		Recovery = 92.00%				
Target Compounds							Qvalue
2) Propylene	4.14	41	24584	0.74	ppb		93
3) Freon 12	4.20	85	130167	0.76	ppb		99
4) Chloromethane	4.40	50	33221	0.81	ppb		99
5) Freon 114	4.40	85	107422	0.77	ppb		95
6) Vinyl Chloride	4.58	62	31400	0.77	ppb		98
7) Butane	4.70	43	34817	0.77	ppb		97
8) 1,3-butadiene	4.69	39	25103	0.77	ppb		95
9) Bromomethane	5.03	94	37645	0.76	ppb		99
10) Chloroethane	5.21	64	15234	0.80	ppb		90
11) Ethanol	5.30	45	9499	0.81	ppb		77
12) Acrolein	5.88	56	13296	0.75	ppb	#	70
13) Vinyl Bromide	5.55	106	41469	0.74	ppb		99
14) Freon 11	5.83	101	142157	0.77	ppb		99
15) Acetone	5.99	58	21611	0.83	ppb	#	70
16) Pentane	6.10	42	34809	0.76	ppb		97
17) Isopropyl alcohol	6.09	45	55254	0.76	ppb		93
18) 1,1-dichloroethene	6.59	96	43936	0.80	ppb		93
19) Freon 113	6.78	101	105553	0.73	ppb		98
20) t-Butyl alcohol	6.81	59	70589	0.81	ppb	#	85
21) Methylene chloride	7.04	84	46406	0.78	ppb		99
22) Allyl chloride	7.02	41	44172	0.81	ppb		99
23) Carbon disulfide	7.20	76	131705	0.77	ppb		96
24) trans-1,2-dichloroethene	7.98	61	60047	0.77	ppb		93
25) methyl tert-butyl ether	8.00	73	90208	0.73	ppb		76
26) 1,1-dichloroethane	8.40	63	82948	0.76	ppb		97
27) Vinyl acetate	8.39	43	64011	0.74	ppb		93
28) Methyl Ethyl Ketone	8.89	72	17385	0.73	ppb	#	100
29) cis-1,2-dichloroethene	9.34	61	52930	0.78	ppb		96
30) Hexane	8.95	57	52761	0.71	ppb		85
31) Ethyl acetate	9.49	43	72797	0.75	ppb		98
32) Chloroform	9.95	83	109439	0.76	ppb		100
33) Tetrahydrofuran	10.11	42	31294	0.74	ppb		91
34) 1,2-dichloroethane	11.06	62	65307	0.75	ppb		99
36) 1,1,1-trichloroethane	10.77	97	104874	0.75	ppb		99
37) Cyclohexane	11.48	56	48467	0.72	ppb		87
38) Carbon tetrachloride	11.42	117	116518	0.75	ppb		99
39) Benzene	11.38	78	120365	0.73	ppb		94
40) Methyl methacrylate	12.96	41	42683	0.71	ppb		92
41) 1,4-dioxane	12.98	88	27545	0.71	ppb		96
42) 2,2,4-trimethylpentane	12.26	57	166987	0.73	ppb		90
43) Heptane	12.60	43	53117	0.72	ppb		95
44) Trichloroethene	12.73	130	64879	0.74	ppb		99
45) 1,2-dichloropropane	12.83	63	47982	0.73	ppb		97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AS031708.D Vial: 8
Acq On : 17 Mar 2021 2:16 pm Operator: RJP
Sample : A1UG_0.75 Inst : MSD #1
Misc : A317_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 17 15:39:52 2021 Quant Results File: A317_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A317_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed Mar 17 15:38:58 2021
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AS031709.D
DataAcq Meth : 1UG_ENT

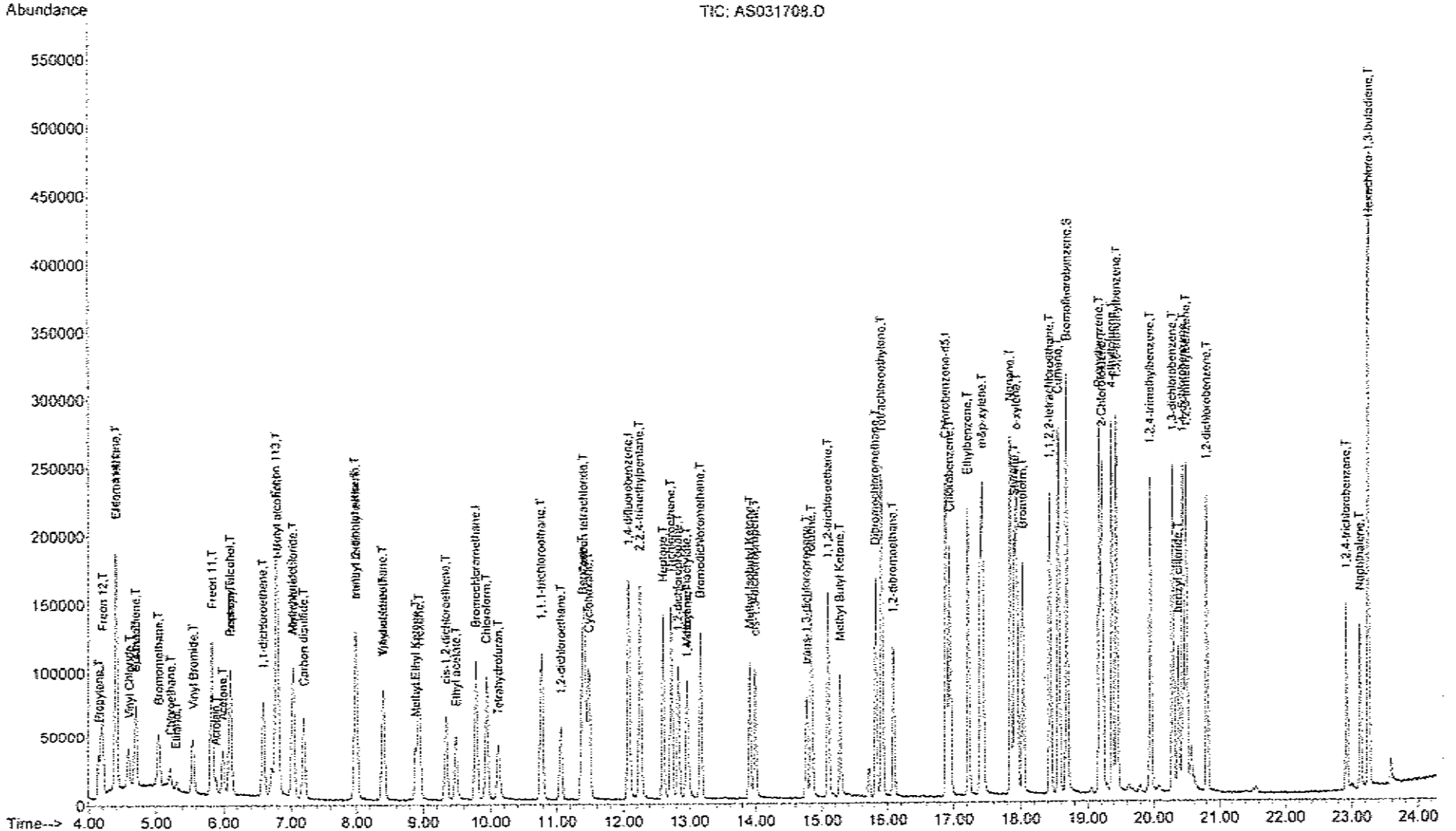
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46)	Bromodichloromethane	13.17	83	108945	0.76	ppb		98
47)	cis-1,3-dichloropropene	13.99	75	70225	0.75	ppb		96
48)	trans-1,3-dichloropropene	14.77	75	57489	0.77	ppb		98
49)	1,1,2-trichloroethane	15.10	97	61415	0.76	ppb		100
51)	Toluene	14.85	92	81574	0.70	ppb		97
52)	Methyl Isobutyl Ketone	13.91	43	76897	0.73	ppb		90
53)	Dibromochloromethane	15.83	129	112898	0.73	ppb		99
54)	Methyl Butyl Ketone	15.28	43	69891	0.73	ppb		86
55)	1,2-dibromoethane	16.09	107	95397	0.74	ppb		99
56)	Tetrachloroethylene	15.92	164	68660	0.72	ppb		99
57)	Chlorobenzene	16.95	112	132585	0.73	ppb		99
58)	Ethylbenzene	17.22	91	175954	0.72	ppb		98
59)	m&p-xylene	17.44	91	300381	1.37	ppb		98
60)	Nonane	17.85	43	88301	0.69	ppb		87
61)	Styrene	17.91	104	121932	0.67	ppb		95
62)	Bromoform	18.04	173	106364	0.70	ppb		99
63)	o-xylene	17.95	91	178887	0.70	ppb		98
64)	Cumene	18.57	105	208944	0.70	ppb		98
66)	1,1,2,2-tetrachloroethane	18.44	83	141596	0.74	ppb		100
67)	Propylbenzene	19.18	120	58198	0.69	ppb		71
68)	2-Chlorotoluene	19.23	126	65832	0.68	ppb	#	81
69)	4-ethyltoluene	19.37	105	208351	0.66	ppb		100
70)	1,3,5-trimethylbenzene	19.44	105	189624	0.66	ppb		75
71)	1,2,4-trimethylbenzene	19.95	105	162213	0.68	ppb		100
72)	1,3-dichlorobenzene	20.29	146	137596	0.70	ppb		98
73)	benzyl chloride	20.37	91	97445	0.70	ppb		99
74)	1,4-dichlorobenzene	20.44	146	132237	0.67	ppb		99
75)	1,2,3-trimethylbenzene	20.49	105	177716	0.65	ppb		98
76)	1,2-dichlorobenzene	20.80	146	120818	0.65	ppb		100
77)	1,2,4-trichlorobenzene	22.92	180	52352	0.61	ppb		99
78)	Naphthalene	23.12	128	116703	0.60	ppb		99
79)	Hexachloro-1,3-butadiene	23.25	225	100611	0.70	ppb		99

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AS031708.D Vial: 8
Acq On : 17 Mar 2021 2:16 pm Operator: RJP
Sample : A1UG_0.75 Inst : MSD #1
Misc : A317_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 17 15:39 2021 Quant Results File: A317_1UG.RES

Method : C:\HPCHEM\1\METHODS\A317_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Tue Apr 06 14:32:00 2021
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AS031709.D



AS031708.D A317_1UG.M Tue Apr 06 14:42:32 2021 MSD1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AS031709.D Vial: 9
Acq On : 17 Mar 2021 3:00 pm Operator: RJP
Sample : A1UG_1.0 Inst : MSD #1
Misc : A317_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 17 15:39:20 2021 Quant Results File: A317_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A317_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed Mar 17 15:38:58 2021
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AS031709.D
DataAcq Meth : 1UG_ENT

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	9.79	128	47196	1.00	ppb		0.00
35) 1,4-difluorobenzene	12.08	114	174946	1.00	ppb		0.00
50) Chlorobenzene-d5	16.90	117	164290	1.00	ppb		0.00
System Monitoring Compounds							
65) Bromofluorobenzene	18.69	95	139791	1.00	ppb		0.00
Spiked Amount 1.000	Range 70 - 130		Recovery = 100.00%				
Target Compounds							Qvalue
2) Propylene	4.15	41	33227	1.00	ppb		92
3) Freon 12	4.20	85	171368	1.00	ppb		99
4) Chloromethane	4.40	50	41483	1.00	ppb		97
5) Freon 114	4.40	85	141267	1.00	ppb		95
6) Vinyl Chloride	4.59	62	41274	1.00	ppb		94
7) Butane	4.70	43	45307	1.00	ppb		95
8) 1,3-butadiene	4.70	39	32334	0.99	ppb		95
9) Bromomethane	5.04	94	49568	1.00	ppb		98
10) Chloroethane	5.20	64	19200	1.00	ppb		97
11) Ethanol	5.30	45	11843	1.00	ppb		71
12) Acrolein	5.88	56	17744	1.00	ppb	#	70
13) Vinyl Bromide	5.55	106	56234	1.00	ppb		100
14) Freon 11	5.82	101	186754	1.00	ppb		99
15) Acetone	5.99	58	26053	1.00	ppb	#	60
16) Pentane	6.10	42	46105	1.00	ppb		97
17) Isopropyl alcohol	6.10	45	73170	1.00	ppb		94
18) 1,1-dichloroethene	6.59	96	55130	1.00	ppb		89
19) Freon 113	6.79	101	145572	1.00	ppb		99
20) t-Butyl alcohol	6.81	59	87721	1.00	ppb	#	78
21) Methylene chloride	7.03	84	59521	1.00	ppb		98
22) Allyl chloride	7.03	41	54848	1.00	ppb		99
23) Carbon disulfide	7.20	76	172145	1.00	ppb		97
24) trans-1,2-dichloroethene	7.98	61	78853	1.00	ppb		94
25) methyl tert-butyl ether	8.00	73	123747	1.00	ppb		79
26) 1,1-dichloroethane	8.41	63	110134	1.00	ppb		96
27) Vinyl acetate	8.39	43	86837	1.00	ppb		97
28) Methyl Ethyl Ketone	8.89	72	24007	1.00	ppb	#	100
29) cis-1,2-dichloroethene	9.34	61	67923	1.00	ppb		98
30) Hexane	8.95	57	74448	1.00	ppb		88
31) Ethyl acetate	9.49	43	97674	1.00	ppb		98
32) Chloroform	9.95	83	144038	1.00	ppb		99
33) Tetrahydrofuran	10.11	42	42673	1.00	ppb		90
34) 1,2-dichloroethane	11.06	62	87403	1.00	ppb		99
36) 1,1,1-trichloroethane	10.77	97	138859	1.00	ppb		99
37) Cyclohexane	11.49	56	66456	1.00	ppb		89
38) Carbon tetrachloride	11.43	117	154829	1.00	ppb		100
39) Benzene	11.39	78	164650	1.00	ppb		99
40) Methyl methacrylate	12.96	41	59785	1.00	ppb		91
41) 1,4-dioxane	12.98	88	38533	1.00	ppb		96
42) 2,2,4-trimethylpentane	12.26	57	226546	1.00	ppb		91
43) Heptane	12.61	43	73571	1.00	ppb		97
44) Trichloroethene	12.73	130	87426	1.00	ppb		99
45) 1,2-dichloropropane	12.84	63	65263	1.00	ppb		97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AS031709.D Vial: 9
Acq On : 17 Mar 2021 3:00 pm Operator: RJP
Sample : A1UG_1.0 Inst : MSD #1
Misc : A317_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 17 15:39:20 2021 Quant Results File: A317_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A317_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed Mar 17 15:38:58 2021
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AS031709.D
DataAcq Meth : 1UG_ENT

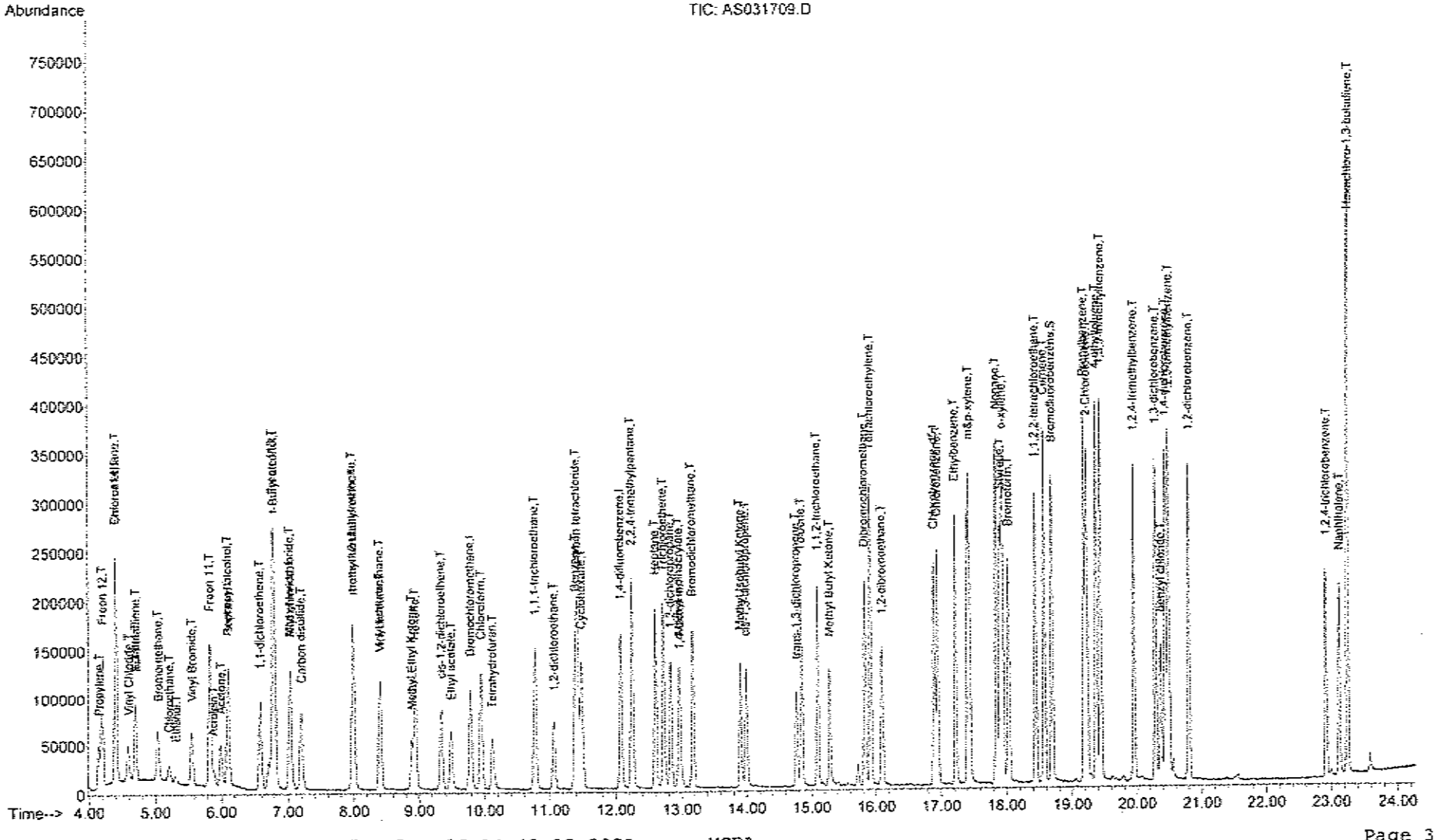
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46)	Bromodichloromethane	13.17	83	141976	1.00	ppb		99
47)	cis-1,3-dichloropropene	13.99	75	92497	1.00	ppb		96
48)	trans-1,3-dichloropropene	14.77	75	74243	1.00	ppb		98
49)	1,1,2-trichloroethane	15.10	97	80490	1.00	ppb		100
51)	Toluene	14.85	92	111484	1.00	ppb		100
52)	Methyl Isobutyl Ketone	13.91	43	99962	1.00	ppb		90
53)	Dibromochloromethane	15.83	129	148367	1.00	ppb		98
54)	Methyl Butyl Ketone	15.28	43	91573	1.00	ppb		87
55)	1,2-dibromoethane	16.10	107	123408	1.00	ppb		99
56)	Tetrachloroethylene	15.92	164	90930	1.00	ppb		97
57)	Chlorobenzene	16.95	112	173732	1.00	ppb		100
58)	Ethylbenzene	17.22	91	234620	1.00	ppb		99
59)	m&p-xylene	17.44	91	417971	2.00	ppb		99
60)	Nonane	17.85	43	122349	1.00	ppb		87
61)	Styrene	17.91	104	173904	1.00	ppb		95
62)	Bromoform	18.03	173	144777	1.00	ppb		99
63)	o-xylene	17.94	91	244032	1.00	ppb		98
64)	Cumene	18.57	105	282864	1.00	ppb		98
66)	1,1,2,2-tetrachloroethane	18.44	83	183189	1.00	ppb		99
67)	Propylbenzene	19.18	120	80530	1.00	ppb		71
68)	2-Chlorotoluene	19.23	126	91929	1.00	ppb	#	79
69)	4-ethyltoluene	19.37	105	299544	1.00	ppb		100
70)	1,3,5-trimethylbenzene	19.44	105	274763	1.00	ppb		76
71)	1,2,4-trimethylbenzene	19.95	105	227000	1.00	ppb		98
72)	1,3-dichlorobenzene	20.28	146	187838	1.00	ppb		99
73)	benzyl chloride	20.36	91	132134	1.00	ppb		97
74)	1,4-dichlorobenzene	20.44	146	187209	1.00	ppb		98
75)	1,2,3-trimethylbenzene	20.48	105	260908	1.00	ppb		98
76)	1,2-dichlorobenzene	20.80	146	177099	1.00	ppb		99
77)	1,2,4-trichlorobenzene	22.91	180	82131	1.00	ppb		100
78)	Naphthalene	23.12	128	186728	1.00	ppb		99
79)	Hexachloro-1,3-butadiene	23.24	225	136114	1.00	ppb		97

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AS031709.D Vial: 9
Acq On : 17 Mar 2021 3:00 pm Operator: RJP
Sample : A1UG_1.0 Inst : MSD #1
Misc : A317_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 17 15:39 2021 Quant Results File: A317_1UG.RES

Method : C:\HPCHEM\1\METHODS\A317_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Tue Apr 06 14:32:00 2021
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AS031709.D



AS031709.D A317_1UG.M Tue Apr 06 14:42:39 2021 MSD1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AS031710.D Vial: 10
Acq On : 17 Mar 2021 3:45 pm Operator: RJP
Sample : A1UG_1.25 Inst : MSD #1
Misc : A317_1UG Multipir: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 17 16:49:18 2021 Quant Results File: A317_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A317_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed Mar 17 15:38:58 2021
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AS031709.D
DataAcq Meth : 1UG_ENT

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	9.78	128	48245	1.00	ppb		0.00
35) 1,4-difluorobenzene	12.08	114	179962	1.00	ppb		0.00
50) Chlorobenzene-d5	16.90	117	169468	1.00	ppb		0.00
System Monitoring Compounds							
65) Bromofluorobenzene	18.69	95	142542	0.99	ppb		0.00
Spiked Amount 1.000	Range 70 - 130		Recovery = 99.00%				
Target Compounds							Qvalue
2) Propylene	4.14	41	42908	1.26	ppb		96
3) Freon 12	4.19	85	214984	1.23	ppb		97
4) Chloromethane	4.39	50	49651	1.17	ppb		98
5) Freon 114	4.40	85	163951	1.14	ppb		96
6) Vinyl Chloride	4.59	62	48511	1.15	ppb		97
7) Butane	4.69	43	54816	1.18	ppb		96
8) 1,3-butadiene	4.69	39	38614	1.16	ppb		96
9) Bromomethane	5.04	94	60975	1.20	ppb		98
10) Chloroethane	5.21	64	22315	1.14	ppb		92
11) Ethanol	5.30	45	14581m	1.20	ppb		
12) Acrolein	5.88	56	21523	1.19	ppb	#	77
13) Vinyl Bromide	5.55	106	62056m	1.08	ppb		
14) Freon 11	5.82	101	230224	1.21	ppb		97
15) Acetone	5.99	58	33259	1.25	ppb	#	71
16) Pentane	6.09	42	58206	1.24	ppb		99
17) Isopropyl alcohol	6.09	45	91360	1.22	ppb		97
18) 1,1-dichloroethene	6.58	96	71787	1.27	ppb		91
19) Freon 113	6.78	101	181680	1.22	ppb		99
20) t-Butyl alcohol	6.81	59	112345	1.25	ppb	#	81
21) Methylene chloride	7.03	84	74114	1.22	ppb		98
22) Allyl chloride	7.02	41	70788	1.26	ppb		99
23) Carbon disulfide	7.20	76	218125	1.24	ppb		97
24) trans-1,2-dichloroethene	7.98	61	102863	1.28	ppb		93
25) methyl tert-butyl ether	8.00	73	163302	1.29	ppb		83
26) 1,1-dichloroethane	8.40	63	138854	1.23	ppb		97
27) Vinyl acetate	8.39	43	115401	1.30	ppb		97
28) Methyl Ethyl Ketone	8.89	72	31526	1.28	ppb	#	100
29) cis-1,2-dichloroethene	9.34	61	89578	1.29	ppb		98
30) Hexane	8.94	57	95635	1.26	ppb		85
31) Ethyl acetate	9.48	43	128099	1.28	ppb		98
32) Chloroform	9.95	83	180691	1.23	ppb		99
33) Tetrahydrofuran	10.12	42	56201	1.29	ppb		92
34) 1,2-dichloroethane	11.06	62	110401	1.24	ppb		98
36) 1,1,1-trichloroethane	10.77	97	176012	1.23	ppb		99
37) Cyclohexane	11.49	56	86698	1.27	ppb		89
38) Carbon tetrachloride	11.42	117	190806	1.20	ppb		99
39) Benzene	11.39	78	211128	1.25	ppb		97
40) Methyl methacrylate	12.96	41	77623	1.26	ppb		92
41) 1,4-dioxane	12.98	88	50664	1.28	ppb		99
42) 2,2,4-trimethylpentane	12.25	57	296025	1.27	ppb		92
43) Heptane	12.61	43	97288	1.29	ppb		95
44) Trichloroethene	12.73	130	111219	1.24	ppb		99
45) 1,2-dichloropropane	12.84	63	79976	1.19	ppb		100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AS031710.D Vial: 10
Acq On : 17 Mar 2021 3:45 pm Operator: RJP
Sample : A1UG_1.25 Inst : MSD #1
Misc : A317_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 17 16:49:18 2021 Quant Results File: A317_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A317_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed Mar 17 15:38:58 2021
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AS031709.D
DataAcq Meth : 1UG_ENT

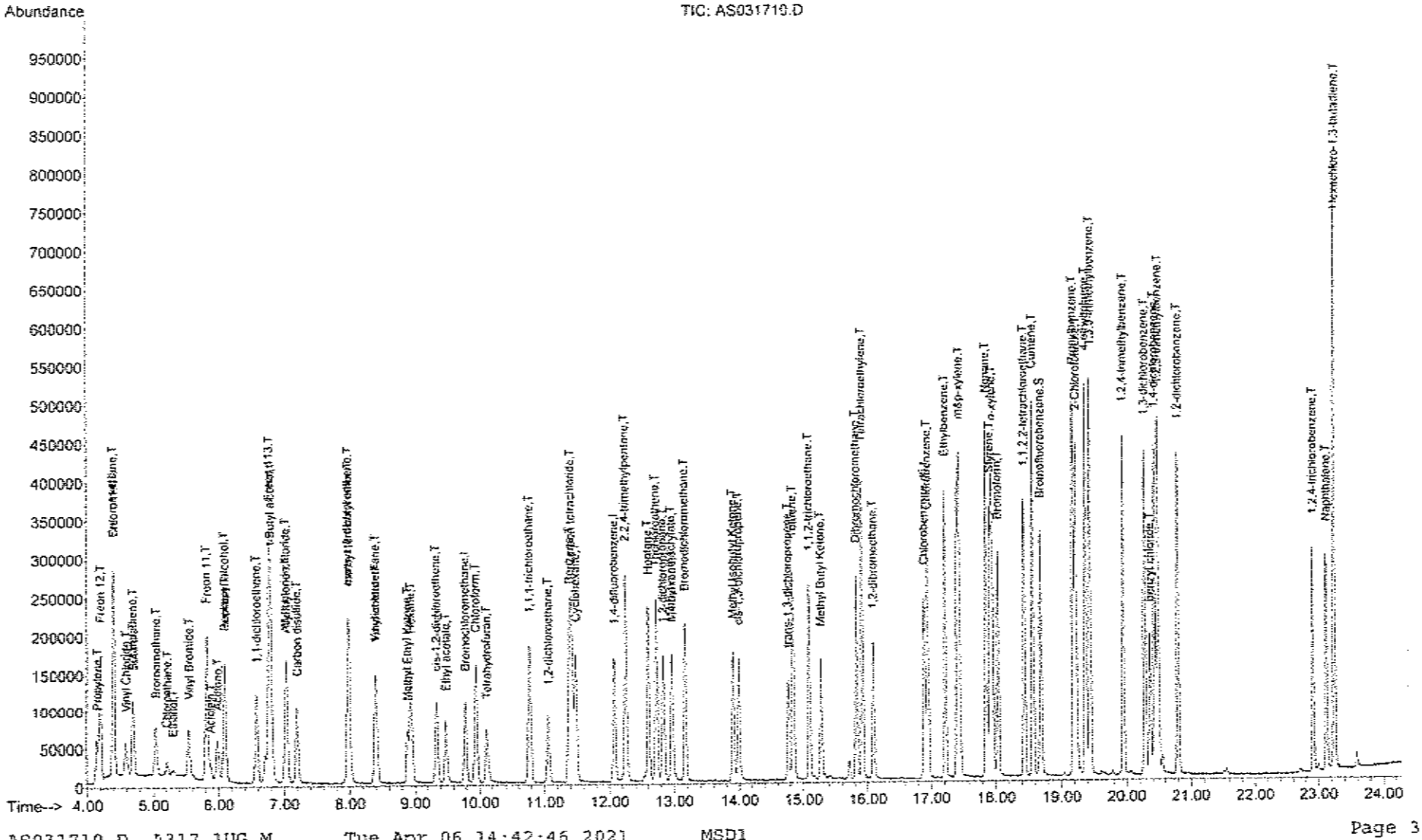
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46)	Bromodichloromethane	13.17	83	180023	1.23	ppb		100
47)	cis-1,3-dichloropropene	14.00	75	121381	1.28	ppb		96
48)	trans-1,3-dichloropropene	14.77	75	96717	1.27	ppb		91
49)	1,1,2-trichloroethane	15.10	97	101639	1.23	ppb		100
51)	Toluene	14.85	92	147274	1.28	ppb		99
52)	Methyl Isobutyl Ketone	13.91	43	131540	1.28	ppb		92
53)	Dibromochloromethane	15.83	129	188375	1.23	ppb		100
54)	Methyl Butyl Ketone	15.28	43	121872	1.29	ppb		87
55)	1,2-dibromoethane	16.09	107	157182	1.23	ppb		99
56)	Tetrachloroethylene	15.92	164	114811	1.22	ppb		98
57)	Chlorobenzene	16.95	112	225104	1.26	ppb		98
58)	Ethylbenzene	17.22	91	310692	1.28	ppb		99
59)	m&p-xylene	17.44	91	551498	2.56	ppb		98
60)	Nonane	17.85	43	160748	1.27	ppb		88
61)	Styrene	17.91	104	223430	1.25	ppb		95
62)	Bromoform	18.03	173	183798	1.23	ppb		100
63)	o-xylene	17.94	91	309851	1.23	ppb		99
64)	Cumene	18.57	105	375303	1.29	ppb		98
66)	1,1,2,2-tetrachloroethane	18.44	83	231361	1.22	ppb		99
67)	Propylbenzene	19.18	120	106291	1.28	ppb		75
68)	2-Chlorotoluene	19.22	126	116298	1.23	ppb	#	84
69)	4-ethyltoluene	19.37	105	393411	1.27	ppb		99
70)	1,3,5-trimethylbenzene	19.44	105	357575	1.26	ppb		76
71)	1,2,4-trimethylbenzene	19.95	105	302887	1.29	ppb		100
72)	1,3-dichlorobenzene	20.28	146	241460	1.25	ppb		99
73)	benzyl chloride	20.36	91	173318	1.27	ppb		98
74)	1,4-dichlorobenzene	20.43	146	240115	1.24	ppb		99
75)	1,2,3-trimethylbenzene	20.48	105	341896	1.27	ppb		99
76)	1,2-dichlorobenzene	20.80	146	227681	1.25	ppb		99
77)	1,2,4-trichlorobenzene	22.91	180	112931	1.33	ppb		99
78)	Naphthalene	23.12	128	265127	1.38	ppb		99
79)	Hexachloro-1,3-butadiene	23.24	225	176081	1.25	ppb		99

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AS031710.D Vial: 10
Acq On : 17 Mar 2021 3:45 pm Operator: RJP
Sample : A1UG_1.25 Inst : MSD #1
Misc : A317_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 17 17:00 2021 Quant Results File: A317_1UG.RES

Method : C:\HPCHEM\1\METHODS\A317_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Tue Apr 06 14:32:00 2021
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AS031709.D



AS031710.D A317_1UG.M Tue Apr 06 14:42:46 2021 MSD1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AS031711.D Vial: 11
Acq On : 17 Mar 2021 4:31 pm Operator: RJP
Sample : A1UG_1.50 Inst : MSD #1
Misc : A317_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 17 17:01:30 2021 Quant Results File: A317_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A317_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed Mar 17 15:38:58 2021
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AS031709.D
DataAcq Meth : 1UG_ENT

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	9.78	128	48814	1.00	ppb		0.00
35) 1,4-difluorobenzene	12.08	114	184677	1.00	ppb		0.00
50) Chlorobenzene-d5	16.89	117	179602	1.00	ppb		0.00
System Monitoring Compounds							
65) Bromofluorobenzene	18.69	95	143772	0.94	ppb		0.00
Spiked Amount 1.000	Range 70 - 130		Recovery = 94.00%				
Target Compounds							Qvalue
2) Propylene	4.15	41	51865	1.51	ppb		99
3) Freon 12	4.20	85	253672	1.43	ppb		97
4) Chloromethane	4.39	50	57525	1.34	ppb		99
5) Freon 114	4.40	85	197181	1.35	ppb		96
6) Vinyl Chloride	4.59	62	58052	1.36	ppb		97
7) Butane	4.69	43	65521	1.40	ppb		96
8) 1,3-butadiene	4.69	39	46054	1.37	ppb		97
9) Bromomethane	5.04	94	75547	1.47	ppb		99
10) Chloroethane	5.21	64	27202	1.37	ppb		97
11) Ethanol	5.30	45	17101m	1.40	ppb		
12) Acrolein	5.88	56	26226	1.43	ppb	#	75
13) Vinyl Bromide	5.55	106	84373	1.45	ppb		98
14) Freon 11	5.82	101	276466	1.43	ppb		98
15) Acetone	5.99	58	40128	1.49	ppb	#	68
16) Pentane	6.10	42	69079	1.45	ppb		98
17) Isopropyl alcohol	6.09	45	111950	1.48	ppb		95
18) 1,1-dichloroethene	6.59	96	86722	1.52	ppb		90
19) Freon 113	6.78	101	207525	1.38	ppb		97
20) t-Butyl alcohol	6.81	59	146323	1.61	ppb	#	89
21) Methylene chloride	7.04	84	81577	1.33	ppb		97
22) Allyl chloride	7.03	41	80799	1.42	ppb		96
23) Carbon disulfide	7.20	76	239532	1.35	ppb		98
24) trans-1,2-dichloroethene	7.98	61	125196	1.54	ppb		95
25) methyl tert-butyl ether	8.00	73	204540	1.60	ppb		83
26) 1,1-dichloroethane	8.41	63	166415	1.46	ppb		97
27) Vinyl acetate	8.39	43	149543	1.67	ppb		97
28) Methyl Ethyl Ketone	8.89	72	39605	1.60	ppb	#	100
29) cis-1,2-dichloroethene	9.34	61	111371	1.59	ppb		98
30) Hexane	8.95	57	122343	1.59	ppb		91
31) Ethyl acetate	9.48	43	156670	1.55	ppb		99
32) Chloroform	9.95	83	218387	1.47	ppb		100
33) Tetrahydrofuran	10.12	42	70126	1.59	ppb		91
34) 1,2-dichloroethane	11.06	62	131986	1.46	ppb		100
36) 1,1,1-trichloroethane	10.77	97	214488	1.46	ppb		98
37) Cyclohexane	11.48	56	108457	1.55	ppb		91
38) Carbon tetrachloride	11.42	117	231784	1.42	ppb		99
39) Benzene	11.39	78	257709	1.48	ppb		97
40) Methyl methacrylate	12.96	41	97574	1.55	ppb		92
41) 1,4-dioxane	12.98	88	61172	1.50	ppb		99
42) 2,2,4-trimethylpentane	12.25	57	358196	1.50	ppb		92
43) Heptane	12.61	43	118627	1.53	ppb		97
44) Trichloroethene	12.73	130	133450	1.45	ppb		99
45) 1,2-dichloropropane	12.84	63	99189	1.44	ppb		98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AS031711.D Vial: 11
Acq On : 17 Mar 2021 4:31 pm Operator: RJP
Sample : A1UG_1.50 Inst : MSD #1
Misc : A317_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 17 17:01:30 2021 Quant Results File: A317_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A317_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed Mar 17 15:38:58 2021
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AS031709.D
DataAcq Meth : 1UG_ENT

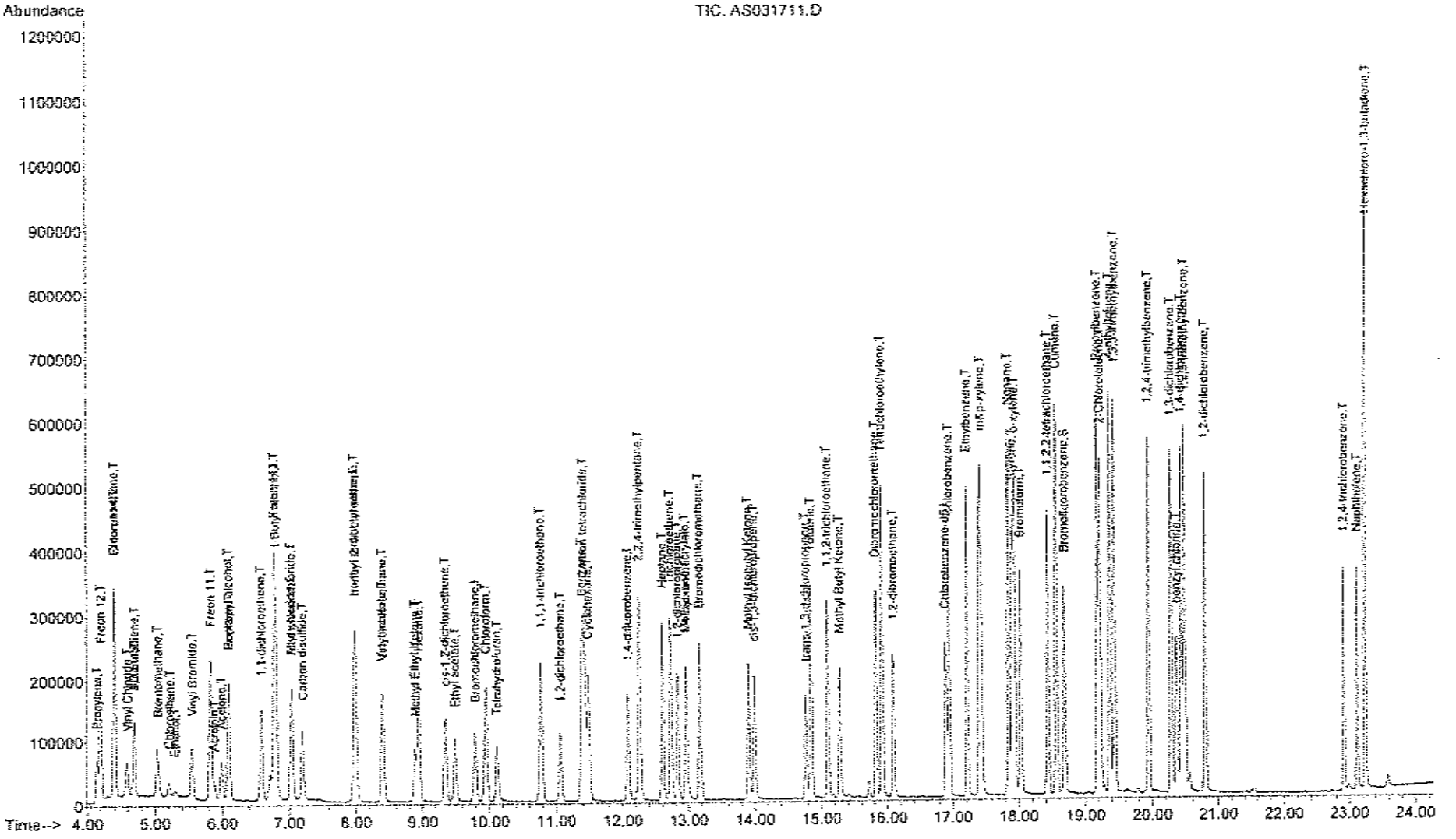
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46)	Bromodichloromethane	13.17	83	217184	1.45	ppb		99
47)	cis-1,3-dichloropropene	14.00	75	146887	1.50	ppb		97
48)	trans-1,3-dichloropropene	14.77	75	123814	1.58	ppb		100
49)	1,1,2-trichloroethane	15.10	97	123278	1.45	ppb		98
51)	Toluene	14.85	92	184202	1.51	ppb		100
52)	Methyl Isobutyl Ketone	13.91	43	168634	1.54	ppb		92
53)	Dibromochloromethane	15.83	129	228634	1.41	ppb		100
54)	Methyl Butyl Ketone	15.28	43	156317	1.56	ppb		88
55)	1,2-dibromoethane	16.09	107	198232	1.47	ppb		99
56)	Tetrachloroethylene	15.92	164	141128	1.42	ppb		97
57)	Chlorobenzene	16.95	112	277853	1.46	ppb		98
58)	Ethylbenzene	17.22	91	397600	1.55	ppb		99
59)	m&p-xylene	17.44	91	677646	2.97	ppb		99
60)	Nonane	17.85	43	198922	1.49	ppb		89
61)	Styrene	17.91	104	271707	1.43	ppb		96
62)	Bromoform	18.03	173	223509	1.41	ppb		99
63)	o-xylene	17.94	91	381401	1.43	ppb		97
64)	Cumene	18.57	105	480642	1.55	ppb		98
66)	1,1,2,2-tetrachloroethane	18.44	83	288366	1.44	ppb		98
67)	Propylbenzene	19.18	120	134550	1.53	ppb		78
68)	2-Chlorotoluene	19.22	126	139679	1.39	ppb	#	91
69)	4-ethyltoluene	19.37	105	478304	1.46	ppb		99
70)	1,3,5-trimethylbenzene	19.44	105	430757	1.43	ppb		76
71)	1,2,4-trimethylbenzene	19.95	105	391294	1.58	ppb		99
72)	1,3-dichlorobenzene	20.28	146	298304	1.45	ppb		98
73)	benzyl chloride	20.36	91	230230	1.59	ppb		98
74)	1,4-dichlorobenzene	20.43	146	296092	1.45	ppb		99
75)	1,2,3-trimethylbenzene	20.48	105	413479	1.44	ppb		100
76)	1,2-dichlorobenzene	20.80	146	268377	1.39	ppb		99
77)	1,2,4-trichlorobenzene	22.91	180	134618	1.50	ppb		99
78)	Naphthalene	23.12	128	322934	1.58	ppb		98
79)	Hexachloro-1,3-butadiene	23.24	225	213821	1.44	ppb		98

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AS031711.D Vial: 11
Acq On : 17 Mar 2021 4:31 pm Operator: RJP
Sample : A1UG_1.50 Inst : MSD #1
Misc : A317_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 17 17:02 2021 Quant Results File: A317_1UG.RES

Method : C:\HPCHEM\1\METHODS\A317_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Tue Apr 06 14:32:00 2021
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AS031709.D



AS031711.D A317_1UG.M Tue Apr 06 14:42:55 2021 MSD1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AS031712.D Vial: 12
Acq On : 17 Mar 2021 5:19 pm Operator: RJP
Sample : A1UG_2.0 Inst : MSD #1
Misc : A317_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 17 22:08:30 2021 Quant Results File: A317_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A317_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed Mar 17 15:38:58 2021
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AS031709.D
DataAcq Meth : 1UG_ENT

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	9.79	128	48763	1.00	ppb		0.00
35) 1,4-difluorobenzene	12.08	114	183673	1.00	ppb		0.00
50) Chlorobenzene-d5	16.89	117	177228	1.00	ppb		0.00
System Monitoring Compounds							
65) Bromofluorobenzene	18.69	95	147147	0.98	ppb		0.00
Spiked Amount 1.000	Range 70 - 130		Recovery = 98.00%				
Target Compounds							Qvalue
2) Propylene	4.15	41	67879	1.98	ppb		98
3) Freon 12	4.20	85	336982	1.90	ppb		98
4) Chloromethane	4.40	50	79888	1.86	ppb		99
5) Freon 114	4.40	85	263878	1.81	ppb		97
6) Vinyl Chloride	4.60	62	76461	1.79	ppb		96
7) Butane	4.70	43	86360	1.84	ppb		96
8) 1,3-butadiene	4.70	39	61898	1.84	ppb		94
9) Bromomethane	5.04	94	95502	1.86	ppb		97
10) Chloroethane	5.21	64	38138	1.92	ppb		97
11) Ethanol	5.30	45	25368	2.07	ppb	#	67
12) Acrolein	5.88	56	37410	2.04	ppb	#	69
13) Vinyl Bromide	5.55	106	115851	1.99	ppb		99
14) Freon 11	5.83	101	375232	1.94	ppb		99
15) Acetone	5.99	58	55794	2.07	ppb	#	71
16) Pentane	6.11	42	98316	2.06	ppb		97
17) Isopropyl alcohol	6.10	45	153451	2.03	ppb		97
18) 1,1-dichloroethene	6.59	96	115154	2.02	ppb		89
19) Freon 113	6.79	101	281355	1.87	ppb		98
20) t-Butyl alcohol	6.81	59	190040	2.10	ppb	#	90
21) Methylene chloride	7.05	84	109428	1.78	ppb		99
22) Allyl chloride	7.03	41	110720	1.95	ppb		96
23) Carbon disulfide	7.21	76	327275	1.84	ppb		97
24) trans-1,2-dichloroethene	7.96	61	163582	2.01	ppb		96
25) methyl tert-butyl ether	8.00	73	287993	2.25	ppb		92
26) 1,1-dichloroethane	8.41	63	208046	1.83	ppb		97
27) Vinyl acetate	8.39	43	199394	2.22	ppb		99
28) Methyl Ethyl Ketone	8.88	72	52753	2.13	ppb	#	100
29) cis-1,2-dichloroethene	9.34	61	150637	2.15	ppb		97
30) Hexane	8.95	57	164573	2.14	ppb		93
31) Ethyl acetate	9.48	43	211225	2.09	ppb		98
32) Chloroform	9.95	83	291030	1.96	ppb		99
33) Tetrahydrofuran	10.11	42	95580	2.17	ppb		92
34) 1,2-dichloroethane	11.06	62	178480	1.98	ppb		98
36) 1,1,1-trichloroethane	10.78	97	284719	1.95	ppb		98
37) Cyclohexane	11.48	56	148149	2.12	ppb		91
38) Carbon tetrachloride	11.42	117	312435	1.92	ppb		99
39) Benzene	11.39	78	347979	2.01	ppb		95
40) Methyl methacrylate	12.96	41	134341	2.14	ppb		92
41) 1,4-dioxane	12.97	88	84728	2.09	ppb		99
42) 2,2,4-trimethylpentane	12.26	57	488274	2.05	ppb		92
43) Heptane	12.61	43	165162	2.14	ppb		95
44) Trichloroethene	12.73	130	178953	1.95	ppb		99
45) 1,2-dichloropropane	12.83	63	131941	1.93	ppb		98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AS031712.D Vial: 12
Acq On : 17 Mar 2021 5:19 pm Operator: RJP
Sample : A1UG_2.0 Inst : MSD #1
Misc : A317_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 17 22:08:30 2021 Quant Results File: A317_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A317_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed Mar 17 15:38:58 2021
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AS031709.D
DataAcq Meth : 1UG_ENT

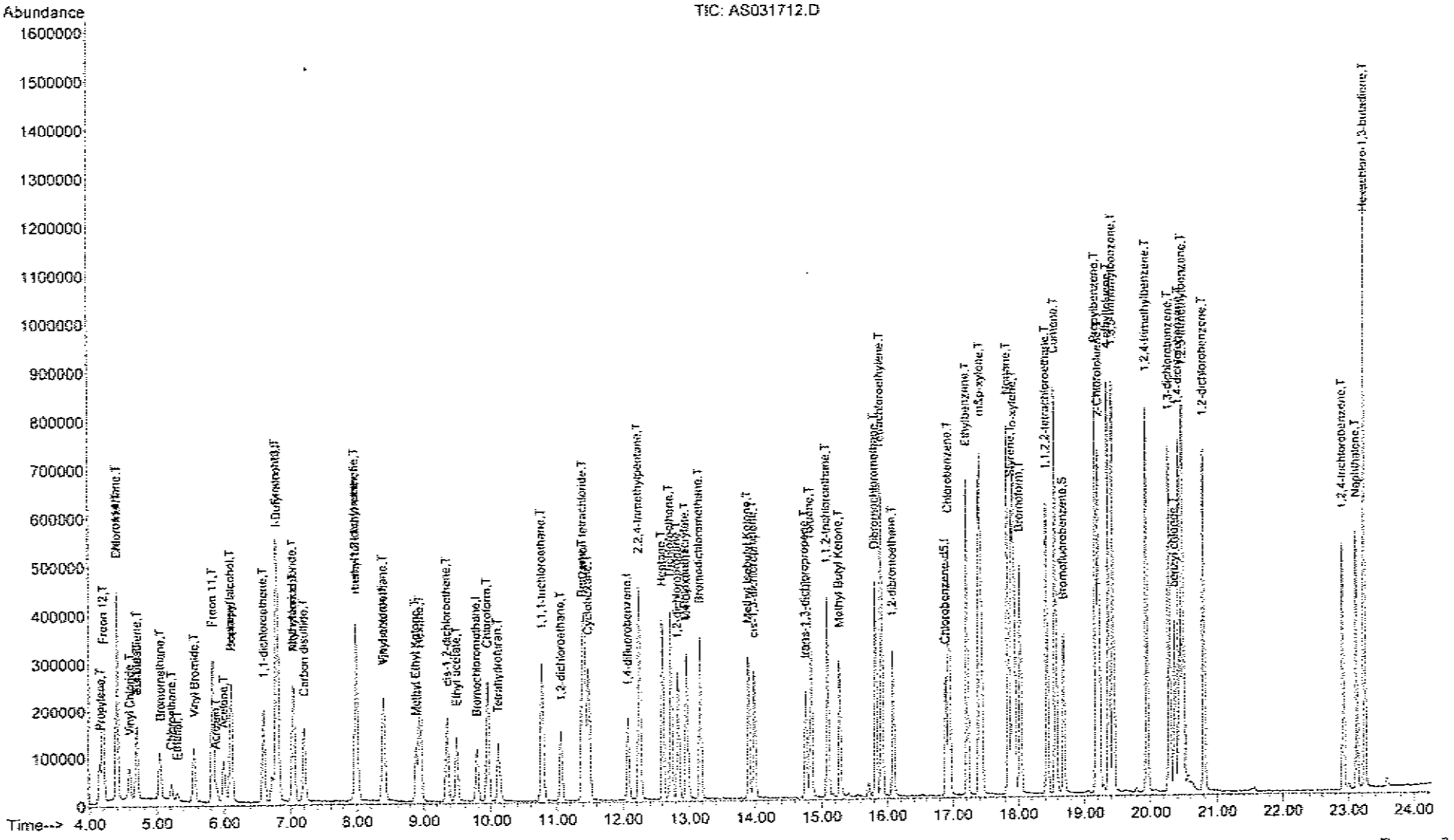
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46)	Bromodichloromethane	13.17	83	287108	1.93	ppb		100
47)	cis-1,3-dichloropropene	13.99	75	198389	2.04	ppb		97
48)	trans-1,3-dichloropropene	14.77	75	161477	2.07	ppb		93
49)	1,1,2-trichloroethane	15.10	97	165246	1.96	ppb		99
51)	Toluene	14.85	92	249281	2.07	ppb		100
52)	Methyl Isobutyl Ketone	13.91	43	226953	2.10	ppb		92
53)	Dibromochloromethane	15.83	129	310547	1.94	ppb		99
54)	Methyl Butyl Ketone	15.28	43	218091	2.21	ppb		88
55)	1,2-dibromoethane	16.09	107	264561	1.99	ppb		99
56)	Tetrachloroethylene	15.92	164	186728	1.90	ppb		98
57)	Chlorobenzene	16.95	112	370845	1.98	ppb		99
58)	Ethylbenzene	17.22	91	546236	2.16	ppb		100
59)	m&p-xylene	17.44	91	932290	4.14	ppb		99
60)	Nonane	17.85	43	275698	2.09	ppb		88
61)	Styrene	17.91	104	373871	1.99	ppb		96
62)	Bromoform	18.04	173	304296	1.95	ppb		100
63)	o-xylene	17.94	91	520465	1.97	ppb		98
64)	Cumene	18.57	105	668889	2.19	ppb		99
66)	1,1,2,2-tetrachloroethane	18.44	83	384079	1.94	ppb		99
67)	Propylbenzene	19.18	120	187393	2.16	ppb		81
68)	2-Chlorotoluene	19.22	126	192663	1.94	ppb	#	91
69)	4-ethyltoluene	19.37	105	671437	2.08	ppb		100
70)	1,3,5-trimethylbenzene	19.44	105	588679	1.99	ppb		76
71)	1,2,4-trimethylbenzene	19.95	105	544531	2.22	ppb		99
72)	1,3-dichlorobenzene	20.28	146	407451	2.01	ppb		99
73)	benzyl chloride	20.36	91	324774	2.28	ppb		98
74)	1,4-dichlorobenzene	20.44	146	406958	2.02	ppb		99
75)	1,2,3-trimethylbenzene	20.49	105	583930	2.07	ppb		99
76)	1,2-dichlorobenzene	20.80	146	381227	2.00	ppb		99
77)	1,2,4-trichlorobenzene	22.91	180	194213	2.19	ppb		100
78)	Naphthalene	23.12	128	478942	2.38	ppb		98
79)	Hexachloro-1,3-butadiene	23.24	225	285964	1.95	ppb		99

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AS031712.D Vial: 12
Acq On : 17 Mar 2021 5:19 pm Operator: RJP
Sample : A1UG_2.0 Inst : MSD #1
Misc : A317_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 17 22:08 2021 Quant Results File: A317_1UG.RES

Method : C:\HPCHEM\1\METHODS\A317_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Tue Apr 06 14:32:00 2021
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AS031709.D



AS031712.D A317_1UG.M Tue Apr 06 14:43:04 2021 MSD1

GC/MS VOLATILES-WHOLE AIR

METHOD TO-15

CALIBRATION VERIFICATION

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\AS042003.D Vial: 1
Acq On : 20 Apr 2021 12:26 pm Operator: RJP
Sample : A1UG_1.0 Inst : MSD #1
Misc : A317_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\A317_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed May 05 08:06:45 2021
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	188#	0.00
2	T	Propylene	0.737	0.781	-6.0	208#	0.00
3	T	Freon 12	3.738	4.194	-12.2	217#	0.00
4	T	Chloromethane	0.900	0.890	1.1	190#	0.00
5	T	Freon 114	2.960	3.159	-6.7	198#	0.00
6	T	Vinyl Chloride	0.911	0.902	1.0	194#	0.00
7	T	Butane	1.007	0.979	2.8	191#	0.00
8	T	1,3-butadiene	0.713	0.733	-2.8	201#	0.00
9	T	Bromomethane	1.117	1.203	-7.7	215#	0.00
10	T	Chloroethane	0.417	0.420	-0.7	194#	0.00
11	T	Ethanol	0.273	0.275	-0.7	206#	0.00
12	T	Acrolein	0.390	0.287	26.4	143	0.00
13	T	Vinyl Bromide	1.162	1.216	-4.6	192#	0.00
14	T	Freon 11	4.095	4.180	-2.1	198#	0.00
15	T	Acetone	0.613	0.474	22.7	161#	0.00
16	T	Pentane	1.043	1.254	-20.2	241#	0.00
17	T	Isopropyl alcohol	1.574	1.930	-22.6	234#	0.00
18	T	1,1-dichloroethene	1.300	1.296	0.3	208#	0.00
19	T	Freon 113	3.112	3.489	-12.1	212#	0.00
20	t	t-Butyl alcohol	1.997	2.229	-11.6	225#	0.00
21	T	Methylene chloride	1.300	1.519	-16.8	226#	0.00
22	T	Allyl chloride	1.194	1.337	-12.0	216#	0.00
23	T	Carbon disulfide	3.857	4.407	-14.3	227#	0.00
24	T	trans-1,2-dichloroethene	1.755	1.903	-8.4	214#	0.00
25	T	methyl tert-butyl ether	2.753	3.007	-9.2	215#	0.00
26	T	1,1-dichloroethane	2.389	2.601	-8.9	209#	0.00
27	T	Vinyl acetate	1.956	2.083	-6.5	213#	0.00
28	T	Methyl Ethyl Ketone	0.534	0.561	-5.1	207#	0.00
29	T	cis-1,2-dichloroethene	1.577	1.681	-6.6	219#	0.00
30	T	Hexane	1.576	1.748	-10.9	208#	0.00
31	T	Ethyl acetate	2.203	2.567	-16.5	233#	0.00
32	T	Chloroform	3.178	3.494	-9.9	215#	0.00
33	T	Tetrahydrofuran	0.938	1.037	-10.6	215#	0.00
34	T	1,2-dichloroethane	1.919	2.169	-13.0	220#	0.00
35	I	1,4-difluorobenzene	1.000	1.000	0.0	190#	0.00
36	T	1,1,1-trichloroethane	0.822	0.944	-14.8	226#	0.00
37	T	Cyclohexane	0.381	0.416	-8.9	208#	0.00
38	T	Carbon tetrachloride	0.919	1.047	-13.9	225#	0.00
39	T	Benzene	0.961	1.064	-10.7	215#	0.00
40	T	Methyl methacrylate	0.338	0.392	-16.0	218#	0.00
41	T	1,4-dioxane	0.209	0.233	-11.5	201#	0.00
42	T	2,2,4-trimethylpentane	1.287	1.378	-7.1	202#	0.00
43	T	Heptane	0.415	0.463	-11.6	209#	0.00
44	T	Trichloroethene	0.510	0.532	-4.3	202#	0.00
45	T	1,2-dichloropropane	0.375	0.397	-5.9	202#	0.00
46	T	Bromodichloromethane	0.830	0.955	-15.1	224#	0.00
47	T	cis-1,3-dichloropropene	0.529	0.587	-11.0	211#	0.00
48	T	trans-1,3-dichloropropene	0.435	0.502	-15.4	225#	0.00
49	T	1,1,2-trichloroethane	0.475	0.509	-7.2	210#	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\AS042003.D Vial: 1
Acq On : 20 Apr 2021 12:26 pm Operator: RJP
Sample : A1UG_1.0 Inst : MSD #1
Misc : A317_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\A317_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed May 05 08:06:45 2021
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	0.666	0.728	-9.3	217#	0.00
52	T	Methyl Isobutyl Ketone	0.620	0.678	-9.4	225#	0.00
53	T	Dibromochloromethane	0.901	0.986	-9.4	221#	0.00
54	T	Methyl Butyl Ketone	0.566	0.609	-7.6	221#	0.00
55	T	1,2-dibromoethane	0.762	0.821	-7.7	221#	0.00
56	T	Tetrachloroethylene	0.550	0.589	-7.1	215#	0.00
57	T	Chlorobenzene	1.062	1.093	-2.9	209#	0.00
58	T	Ethylbenzene	1.410	1.569	-11.3	222#	0.00
59	T	m&p-xylene	1.198	1.299	-8.4	207#	0.00
60	T	Nonane	0.700	0.721	-3.0	196#	0.00
61	T	Styrene	0.973	1.001	-2.9	191#	0.00
62	T	Bromoform	0.859	0.898	-4.5	206#	0.00
63	T	o-xylene	1.393	1.479	-6.2	201#	0.00
64	T	Cumene	1.667	1.608	3.5	189#	0.00
65	S	Bromofluorobenzene	0.756	0.707	6.5	168#	0.00
66	T	1,1,2,2-tetrachloroethane	1.134	1.114	1.8	202#	0.00
67	T	Propylbenzene	0.469	0.452	3.6	186#	0.00
68	T	2-Chlorotoluene	0.518	0.533	-2.9	193#	0.00
69	T	4-ethyltoluene	1.674	1.735	-3.6	192#	0.00
70	T	1,3,5-trimethylbenzene	1.517	1.633	-7.6	197#	0.00
71	T	1,2,4-trimethylbenzene	1.324	1.373	-3.7	201#	0.00
72	T	1,3-dichlorobenzene	1.104	1.143	-3.5	202#	0.00
73	T	benzyl chloride	0.782	0.974	-24.6	245#	0.00
74	T	1,4-dichlorobenzene	1.068	1.146	-7.3	203#	0.00
75	T	1,2,3-trimethylbenzene	1.438	1.600	-11.3	204#	0.00
76	T	1,2-dichlorobenzene	0.994	1.142	-14.9	214#	0.00
77	T	1,2,4-trichlorobenzene	0.452	0.582	-28.8	235#	0.00
78	T	Naphthalene	1.019	1.256	-23.3	223#	0.00
79	T	Hexachloro-1,3-butadiene	0.821	1.037	-26.3	253#	0.00

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AS042003.D Vial: 1
Acq On : 20 Apr 2021 12:26 pm Operator: RJP
Sample : A1UG_1.0 Inst : MSD #1
Misc : A317_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 21 08:17:31 2021 Quant Results File: A317_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A317_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Mon Apr 12 12:02:39 2021
Response via : Initial Calibration
DataAcq Meth : 1UG_ENT

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	9.82	128	88615	1.00	ppb		0.00
35) 1,4-difluorobenzene	12.11	114	332579	1.00	ppb		0.00
50) Chlorobenzene-d5	16.92	117	332258	1.00	ppb		0.00
System Monitoring Compounds							
65) Bromofluorobenzene	18.67	95	234910	0.94	ppb		0.00
Spiked Amount 1.000	Range 70 - 130		Recovery = 94.00%				
Target Compounds							Qvalue
2) Propylene	4.17	41	69202	1.06	ppb		86
3) Freon 12	4.22	85	371673	1.12	ppb		98
4) Chloromethane	4.41	50	78825	0.99	ppb		98
5) Freon 114	4.42	85	279967	1.07	ppb		99
6) Vinyl Chloride	4.61	62	79903	0.99	ppb		99
7) Butane	4.72	43	86710	0.97	ppb		99
8) 1,3-butadiene	4.71	39	64958	1.03	ppb		90
9) Bromomethane	5.06	94	106611	1.08	ppb		99
10) Chloroethane	5.23	64	37257	1.01	ppb		99
11) Ethanol	5.32	45	24377	1.01	ppb	#	73
12) Acrolein	5.90	56	25421	0.74	ppb	#	77
13) Vinyl Bromide	5.57	106	107797	1.05	ppb		97
14) Freon 11	5.85	101	370451	1.02	ppb		99
15) Acetone	6.02	58	41983	0.77	ppb	#	56
16) Pentane	6.12	42	111142	1.20	ppb		95
17) Isopropyl alcohol	6.12	45	171034	1.23	ppb		95
18) 1,1-dichloroethene	6.61	96	114855	1.00	ppb	#	87
19) Freon 113	6.81	101	309186	1.12	ppb		97
20) t-Butyl alcohol	6.84	59	197497	1.12	ppb	#	84
21) Methylene chloride	7.07	84	134564	1.17	ppb		95
22) Allyl chloride	7.05	41	118499	1.12	ppb		99
23) Carbon disulfide	7.23	76	390558	1.14	ppb		97
24) trans-1,2-dichloroethene	8.00	61	168632	1.08	ppb		94
25) methyl tert-butyl ether	8.03	73	266451	1.09	ppb		80
26) 1,1-dichloroethane	8.44	63	230454	1.09	ppb		99
27) Vinyl acetate	8.42	43	184607	1.07	ppb		96
28) Methyl Ethyl Ketone	8.92	72	49733	1.05	ppb	#	100
29) cis-1,2-dichloroethene	9.37	61	148984	1.07	ppb		95
30) Hexane	8.98	57	154889	1.11	ppb		87
31) Ethyl acetate	9.52	43	227460	1.16	ppb		95
32) Chloroform	9.98	83	309600	1.10	ppb		100
33) Tetrahydrofuran	10.15	42	91925	1.11	ppb		88
34) 1,2-dichloroethane	11.10	62	192231	1.13	ppb		99
36) 1,1,1-trichloroethane	10.81	97	314058	1.15	ppb		99
37) Cyclohexane	11.52	56	137927	1.09	ppb		85
38) Carbon tetrachloride	11.46	117	348166	1.14	ppb		99
39) Benzene	11.42	78	353975	1.11	ppb		98
40) Methyl methacrylate	12.99	41	130352	1.16	ppb		89
41) 1,4-dioxane	13.00	88	77393	1.11	ppb		93
42) 2,2,4-trimethylpentane	12.29	57	458417	1.07	ppb		88
43) Heptane	12.63	43	153878	1.11	ppb		93
44) Trichloroethene	12.76	130	177011	1.04	ppb		98
45) 1,2-dichloropropane	12.86	63	131889	1.06	ppb		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AS042003.D Vial: 1
Acq On : 20 Apr 2021 12:26 pm Operator: RJP
Sample : A1UG_1.0 Inst : MSD #1
Misc : A317_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 21 08:17:31 2021 Quant Results File: A317_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A317_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Mon Apr 12 12:02:39 2021
Response via : Initial Calibration
DataAcq Meth : 1UG_ENT

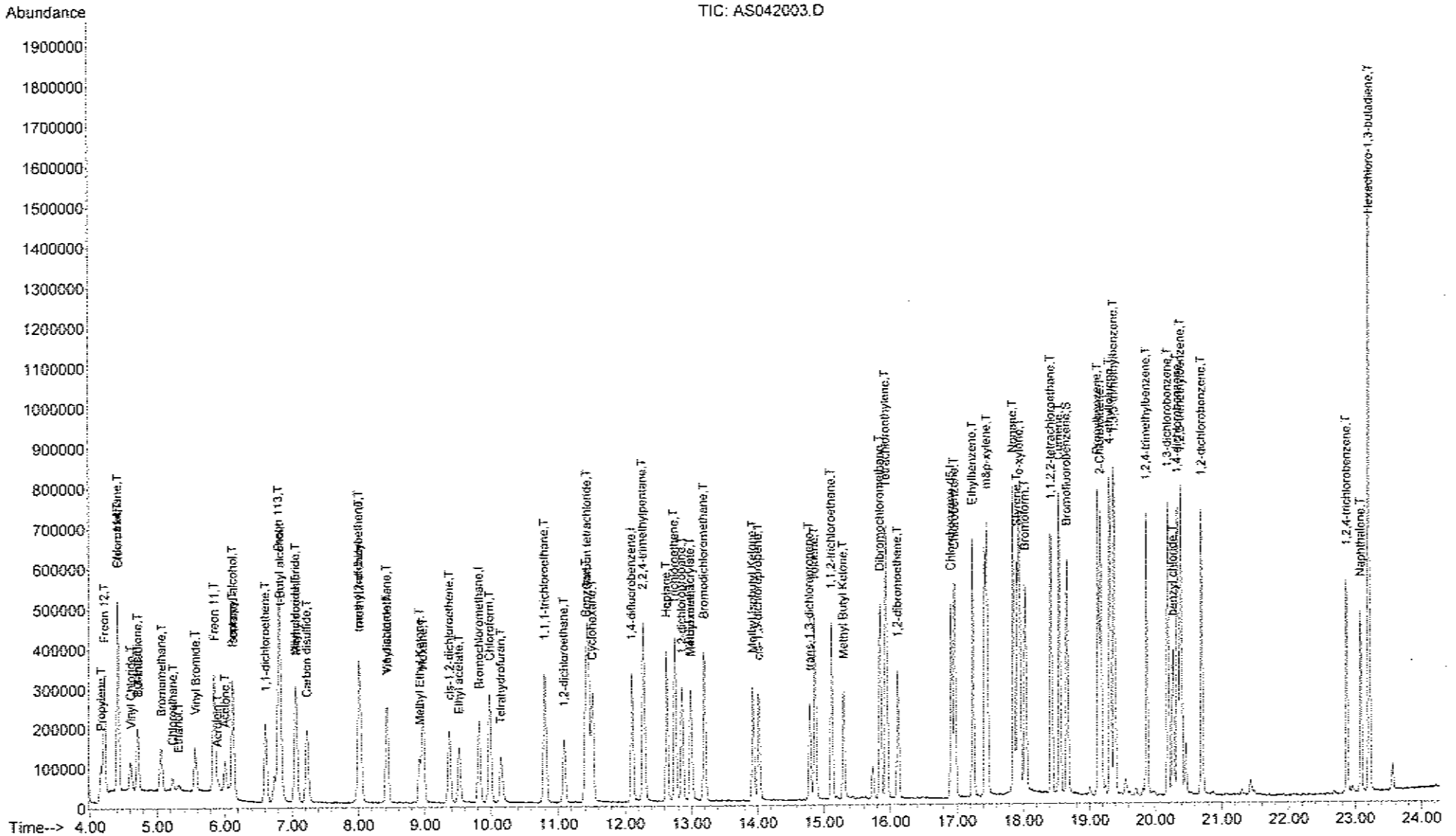
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46)	Bromodichloromethane	13.20	83	317482	1.15	ppb		98
47)	cis-1,3-dichloropropene	14.03	75	195171	1.11	ppb		97
48)	trans-1,3-dichloropropene	14.80	75	167089m	1.16	ppb		
49)	1,1,2-trichloroethane	15.13	97	169406	1.07	ppb		98
51)	Toluene	14.87	92	241778	1.09	ppb		99
52)	Methyl Isobutyl Ketone	13.93	43	225329	1.09	ppb		88
53)	Dibromochloromethane	15.86	129	327673	1.10	ppb		100
54)	Methyl Butyl Ketone	15.31	43	202366	1.08	ppb		85
55)	1,2-dibromoethane	16.12	107	272750	1.08	ppb		97
56)	Tetrachloroethylene	15.95	164	195695	1.07	ppb		96
57)	Chlorobenzene	16.97	112	362993	1.03	ppb		99
58)	Ethylbenzene	17.25	91	521470	1.11	ppb		98
59)	m&p-xylene	17.46	91	863353	2.17	ppb		97
60)	Nonane	17.86	43	239528	1.03	ppb		86
61)	Styrene	17.92	104	332693	1.03	ppb		92
62)	Bromoform	18.04	173	298286	1.04	ppb		99
63)	o-xylene	17.95	91	491460	1.06	ppb		96
64)	Cumene	18.55	105	534317	0.96	ppb		97
66)	1,1,2,2-tetrachloroethane	18.43	83	370223	0.98	ppb		100
67)	Propylbenzene	19.14	120	150162	0.96	ppb		61
68)	2-Chlorotoluene	19.18	126	177166	1.03	ppb	#	81
69)	4-ethyltoluene	19.32	105	576345	1.04	ppb		99
70)	1,3,5-trimethylbenzene	19.38	105	542579	1.08	ppb		79
71)	1,2,4-trimethylbenzene	19.88	105	456108	1.04	ppb		98
72)	1,3-dichlorobenzene	20.20	146	379744	1.04	ppb		99
73)	benzyl chloride	20.28	91	323714	1.25	ppb		97
74)	1,4-dichlorobenzene	20.35	146	380634	1.07	ppb		98
75)	1,2,3-trimethylbenzene	20.39	105	531559	1.11	ppb		97
76)	1,2-dichlorobenzene	20.71	146	379384	1.15	ppb		98
77)	1,2,4-trichlorobenzene	22.87	180	193237m	1.29	ppb		
78)	Naphthalene	23.09	128	417317	1.23	ppb		99
79)	Hexachloro-1,3-butadiene	23.21	225	344409	1.26	ppb		99

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AS042003.D Vial: 1
Acq On : 20 Apr 2021 12:26 pm Operator: RJP
Sample : A1UG_1.0 Inst : MSD #1
Misc : A317_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 21 8:21 2021 Quant Results File: A317_1UG.RES

Method : C:\HPCHEM\1\METHODS\A317_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed May 05 08:06:45 2021
Response via : Initial Calibration



Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\AS042104.D Vial: 1
Acq On : 21 Apr 2021 1:25 pm Operator: WD
Sample : A1UG_1.0 Inst : MSD #1
Misc : A317_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\A317_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed May 05 08:06:45 2021
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	164#	0.00
2	T	Propylene	0.737	0.787	-6.8	183#	0.00
3	T	Freon 12	3.738	4.364	-16.7	197#	0.01
4	T	Chloromethane	0.900	0.939	-4.3	175#	0.00
5	T	Freon 114	2.960	3.364	-13.6	184#	0.00
6	T	Vinyl Chloride	0.911	0.915	-0.4	171#	0.01
7	T	Butane	1.007	0.985	2.2	168#	0.00
8	T	1,3-butadiene	0.713	0.781	-9.5	187#	0.02
9	T	Bromomethane	1.117	1.197	-7.2	186#	0.02
10	T	Chloroethane	0.417	0.421	-1.0	169#	0.02
11	T	Ethanol	0.273	0.226	17.2	147	0.02
12	T	Acrolein	0.390	0.354	9.2	154#	0.02
13	T	Vinyl Bromide	1.162	1.236	-6.4	170#	0.00
14	T	Freon 11	4.095	4.567	-11.5	189#	0.02
15	T	Acetone	0.613	0.573	6.5	170#	0.00
16	T	Pentane	1.043	1.346	-29.1	226#	0.02
17	T	Isopropyl alcohol	1.574	1.879	-19.4	198#	0.02
18	T	1,1-dichloroethene	1.300	1.287	1.0	180#	0.00
19	T	Freon 113	3.112	3.561	-14.4	189#	0.02
20	t	t-Butyl alcohol	1.997	2.097	-5.0	185#	0.02
21	T	Methylene chloride	1.300	1.459	-12.2	189#	0.02
22	T	Allyl chloride	1.194	1.273	-6.6	179#	0.02
23	T	Carbon disulfide	3.857	4.387	-13.7	197#	0.02
24	T	trans-1,2-dichloroethene	1.755	1.924	-9.6	188#	0.01
25	T	methyl tert-butyl ether	2.753	2.921	-6.1	182#	0.02
26	T	1,1-dichloroethane	2.389	2.677	-12.1	188#	0.00
27	T	Vinyl acetate	1.956	2.002	-2.4	178#	0.02
28	T	Methyl Ethyl Ketone	0.534	0.592	-10.9	191#	0.01
29	T	cis-1,2-dichloroethene	1.577	1.669	-5.8	190#	0.01
30	T	Hexane	1.576	1.738	-10.3	180#	0.00
31	T	Ethyl acetate	2.203	2.535	-15.1	201#	0.01
32	T	Chloroform	3.178	3.608	-13.5	194#	0.01
33	T	Tetrahydrofuran	0.938	1.018	-8.5	184#	0.02
34	T	1,2-dichloroethane	1.919	2.195	-14.4	194#	0.00
35	I	1,4-difluorobenzene	1.000	1.000	0.0	159#	0.02
36	T	1,1,1-trichloroethane	0.822	0.995	-21.0	200#	0.00
37	T	Cyclohexane	0.381	0.428	-12.3	180#	0.00
38	T	Carbon tetrachloride	0.919	1.096	-19.3	197#	0.00
39	T	Benzene	0.961	1.086	-13.0	184#	0.02
40	T	Methyl methacrylate	0.338	0.403	-19.2	188#	0.00
41	T	1,4-dioxane	0.209	0.252	-20.6	183#	0.02
42	T	2,2,4-trimethylpentane	1.287	1.454	-13.0	179#	0.00
43	T	Heptane	0.415	0.493	-18.8	187#	0.02
44	T	Trichloroethene	0.510	0.569	-11.6	181#	0.02
45	T	1,2-dichloropropane	0.375	0.442	-17.9	189#	0.00
46	T	Bromodichloromethane	0.830	1.010	-21.7	198#	0.01
47	T	cis-1,3-dichloropropene	0.529	0.623	-17.8	188#	0.00
48	T	trans-1,3-dichloropropene	0.435	0.503	-15.6	189#	0.00
49	T	1,1,2-trichloroethane	0.475	0.550	-15.8	191#	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\AS042104.D Vial: 1
Acq On : 21 Apr 2021 1:25 pm Operator: WD
Sample : A1UG_1.0 Inst : MSD #1
Misc : A317_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\A317_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed May 05 08:06:45 2021
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	0.666	0.810	-21.6	185#	0.00
52	T	Methyl Isobutyl Ketone	0.620	0.773	-24.7	196#	0.01
53	T	Dibromochloromethane	0.901	1.070	-18.8	183#	0.00
54	T	Methyl Butyl Ketone	0.566	0.669	-18.2	185#	0.00
55	T	1,2-dibromoethane	0.762	0.916	-20.2	189#	0.00
56	T	Tetrachloroethylene	0.550	0.660	-20.0	184#	0.01
57	T	Chlorobenzene	1.062	1.221	-15.0	178#	0.00
58	T	Ethylbenzene	1.410	1.631	-15.7	177#	0.00
59	T	m&p-xylene	1.198	1.483	-23.8	180#	0.00
60	T	Nonane	0.700	0.835	-19.3	173#	0.00
61	T	Styrene	0.973	1.218	-25.2	178#	0.00
62	T	Bromoform	0.859	1.000	-16.4	175#	0.01
63	T	o-xylene	1.393	1.767	-26.8	184#	0.00
64	T	Cumene	1.667	1.933	-16.0	174#	0.00
65	S	Bromofluorobenzene	0.756	0.817	-8.1	148	0.00
66	T	1,1,2,2-tetrachloroethane	1.134	1.381	-21.8	192#	0.00
67	T	Propylbenzene	0.469	0.541	-15.4	171#	0.00
68	T	2-Chlorotoluene	0.518	0.612	-18.1	169#	0.00
69	T	4-ethyltoluene	1.674	2.042	-22.0	173#	0.00
70	T	1,3,5-trimethylbenzene	1.517	1.890	-24.6	175#	0.00
71	T	1,2,4-trimethylbenzene	1.324	1.562	-18.0	175#	0.00
72	T	1,3-dichlorobenzene	1.104	1.358	-23.0	184#	0.00
73	T	benzyl chloride	0.782	1.117	-42.8#	215#	0.00
74	T	1,4-dichlorobenzene	1.068	1.364	-27.7	185#	0.00
75	T	1,2,3-trimethylbenzene	1.438	1.845	-28.3	180#	0.00
76	T	1,2-dichlorobenzene	0.994	1.340	-34.8#	192#	0.00
77	T	1,2,4-trichlorobenzene	0.452	0.694	-53.5#	215#	0.00
78	T	Naphthalene	1.019	1.466	-43.9#	199#	0.00
79	T	Hexachloro-1,3-butadiene	0.821	1.233	-50.2#	230#	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AS042104.D Vial: 1
Acq On : 21 Apr 2021 1:25 pm Operator: WD
Sample : A1UG_1.0 Inst : MSD #1
Misc : A317_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 21 14:03:10 2021 Quant Results File: A317_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A317_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Mon Apr 12 12:02:39 2021
Response via : Initial Calibration
DataAcq Meth : 1UG_ENT

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	9.83	128	77252	1.00	ppb		0.01
35) 1,4-difluorobenzene	12.12	114	278971	1.00	ppb		0.02
50) Chlorobenzene-d5	16.93	117	254056	1.00	ppb		0.00
System Monitoring Compounds							
65) Bromofluorobenzene	18.67	95	207507	1.08	ppb		0.00
Spiked Amount 1.000	Range 70 - 130		Recovery = 108.00%				
Target Compounds							Qvalue
2) Propylene	4.17	41	60793	1.07	ppb		95
3) Freon 12	4.23	85	337161	1.17	ppb		98
4) Chloromethane	4.42	50	72506	1.04	ppb		95
5) Freon 114	4.43	85	259897	1.14	ppb		99
6) Vinyl Chloride	4.62	62	70715	1.01	ppb		96
7) Butane	4.73	43	76056	0.98	ppb		97
8) 1,3-butadiene	4.73	39	60312	1.10	ppb		88
9) Bromomethane	5.08	94	92441	1.07	ppb		98
10) Chloroethane	5.25	64	32512	1.01	ppb		94
11) Ethanol	5.34	45	17453m	0.83	ppb		
12) Acrolein	5.92	56	27379	0.91	ppb	#	77
13) Vinyl Bromide	5.58	106	95497	1.06	ppb		99
14) Freon 11	5.86	101	352785	1.12	ppb		98
15) Acetone	6.02	58	44233m	0.93	ppb		
16) Pentane	6.14	42	103990	1.29	ppb		93
17) Isopropyl alcohol	6.14	45	145138	1.19	ppb		95
18) 1,1-dichloroethene	6.62	96	99423	0.99	ppb	#	87
19) Freon 113	6.82	101	275115	1.14	ppb		98
20) t-Butyl alcohol	6.85	59	162021	1.05	ppb	#	75
21) Methylene chloride	7.09	84	112743	1.12	ppb		95
22) Allyl chloride	7.07	41	98333	1.07	ppb		99
23) Carbon disulfide	7.24	76	338932	1.14	ppb		97
24) trans-1,2-dichloroethene	8.02	61	148627	1.10	ppb		92
25) methyl tert-butyl ether	8.04	73	225617	1.06	ppb		77
26) 1,1-dichloroethane	8.45	63	206801	1.12	ppb		97
27) Vinyl acetate	8.44	43	154645	1.02	ppb		96
28) Methyl Ethyl Ketone	8.94	72	45742	1.11	ppb	#	100
29) cis-1,2-dichloroethene	9.38	61	128918	1.06	ppb		95
30) Hexane	8.99	57	134293	1.10	ppb	#	82
31) Ethyl acetate	9.53	43	195845	1.15	ppb		96
32) Chloroform	9.99	83	278743	1.14	ppb		99
33) Tetrahydrofuran	10.16	42	78678	1.09	ppb		88
34) 1,2-dichloroethane	11.11	62	169532	1.14	ppb		99
36) 1,1,1-trichloroethane	10.82	97	277446	1.21	ppb		99
37) Cyclohexane	11.53	56	119438	1.12	ppb		85
38) Carbon tetrachloride	11.47	117	305721	1.19	ppb		100
39) Benzene	11.43	78	302829m	1.13	ppb		
40) Methyl methacrylate	13.00	41	112322	1.19	ppb		90
41) 1,4-dioxane	13.02	88	70372	1.21	ppb		95
42) 2,2,4-trimethylpentane	12.30	57	405699	1.13	ppb		87
43) Heptane	12.65	43	137561	1.19	ppb		93
44) Trichloroethene	12.77	130	158613	1.12	ppb		98
45) 1,2-dichloropropane	12.87	63	123319	1.18	ppb		97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AS042104.D Vial: 1
Acq On : 21 Apr 2021 1:25 pm Operator: WD
Sample : A1UG_1.0 Inst : MSD #1
Misc : A317_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 21 14:03:10 2021 Quant Results File: A317_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A317_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Mon Apr 12 12:02:39 2021
Response via : Initial Calibration
DataAcq Meth : 1UG_ENT

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46)	Bromodichloromethane	13.21	83	281708	1.22	ppb		99
47)	cis-1,3-dichloropropene	14.04	75	173934	1.18	ppb		96
48)	trans-1,3-dichloropropene	14.80	75	140442m	1.16	ppb		
49)	1,1,2-trichloroethane	15.13	97	153513	1.16	ppb		99
51)	Toluene	14.88	92	205815	1.22	ppb		99
52)	Methyl Isobutyl Ketone	13.95	43	196370	1.25	ppb		89
53)	Dibromochloromethane	15.86	129	271825	1.19	ppb		100
54)	Methyl Butyl Ketone	15.31	43	169847	1.18	ppb		82
55)	1,2-dibromoethane	16.13	107	232695	1.20	ppb		99
56)	Tetrachloroethylene	15.96	164	167760	1.20	ppb		95
57)	Chlorobenzene	16.98	112	310089	1.15	ppb		99
58)	Ethylbenzene	17.26	91	414307	1.16	ppb		98
59)	m&p-xylene	17.47	91	753511	2.48	ppb		97
60)	Nonane	17.87	43	212168	1.19	ppb		86
61)	Styrene	17.93	104	309359	1.25	ppb		93
62)	Bromoform	18.05	173	253966	1.16	ppb		99
63)	o-xylene	17.96	91	448866	1.27	ppb		97
64)	Cumene	18.56	105	491004	1.16	ppb		97
66)	1,1,2,2-tetrachloroethane	18.44	83	350824	1.22	ppb		98
67)	Propylbenzene	19.14	120	137401	1.15	ppb		64
68)	2-Chlorotoluene	19.18	126	155584	1.18	ppb	#	87
69)	4-ethyltoluene	19.33	105	518821	1.22	ppb		99
70)	1,3,5-trimethylbenzene	19.39	105	480213	1.25	ppb		77
71)	1,2,4-trimethylbenzene	19.89	105	396741	1.18	ppb		98
72)	1,3-dichlorobenzene	20.21	146	344953	1.23	ppb		99
73)	benzyl chloride	20.29	91	283654	1.43	ppb		96
74)	1,4-dichlorobenzene	20.36	146	346583	1.28	ppb		98
75)	1,2,3-trimethylbenzene	20.40	105	468674	1.28	ppb		97
76)	1,2-dichlorobenzene	20.71	146	340516	1.35	ppb		99
77)	1,2,4-trichlorobenzene	22.88	180	176207	1.54	ppb		99
78)	Naphthalene	23.09	128	372414	1.44	ppb		99
79)	Hexachloro-1,3-butadiene	23.22	225	313363	1.50	ppb		98

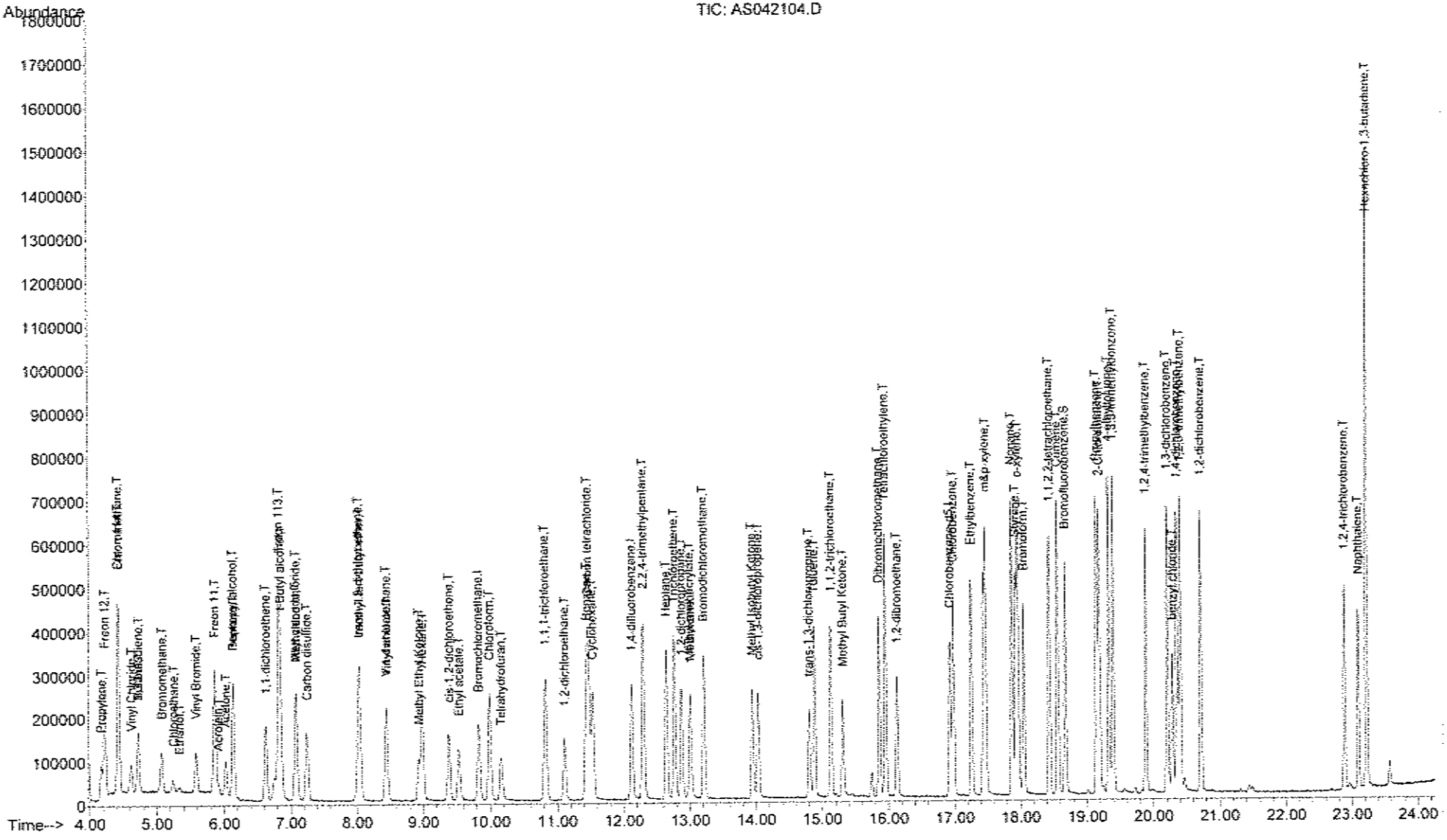
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AS042104.D Vial: 1
Acq On : 21 Apr 2021 1:25 pm Operator: WD
Sample : A1UG_1.0 Inst : MSD #1
Misc : A317_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 21 14:04 2021 Quant Results File: A317_1UG.RES

Method : C:\HPCHEM\1\METHODS\A317_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed May 05 08:06:45 2021
Response via : Initial Calibration

TIC: AS042104.D



AS042104.D A317_1UG.M Wed May 05 08:24:18 2021 MSD1

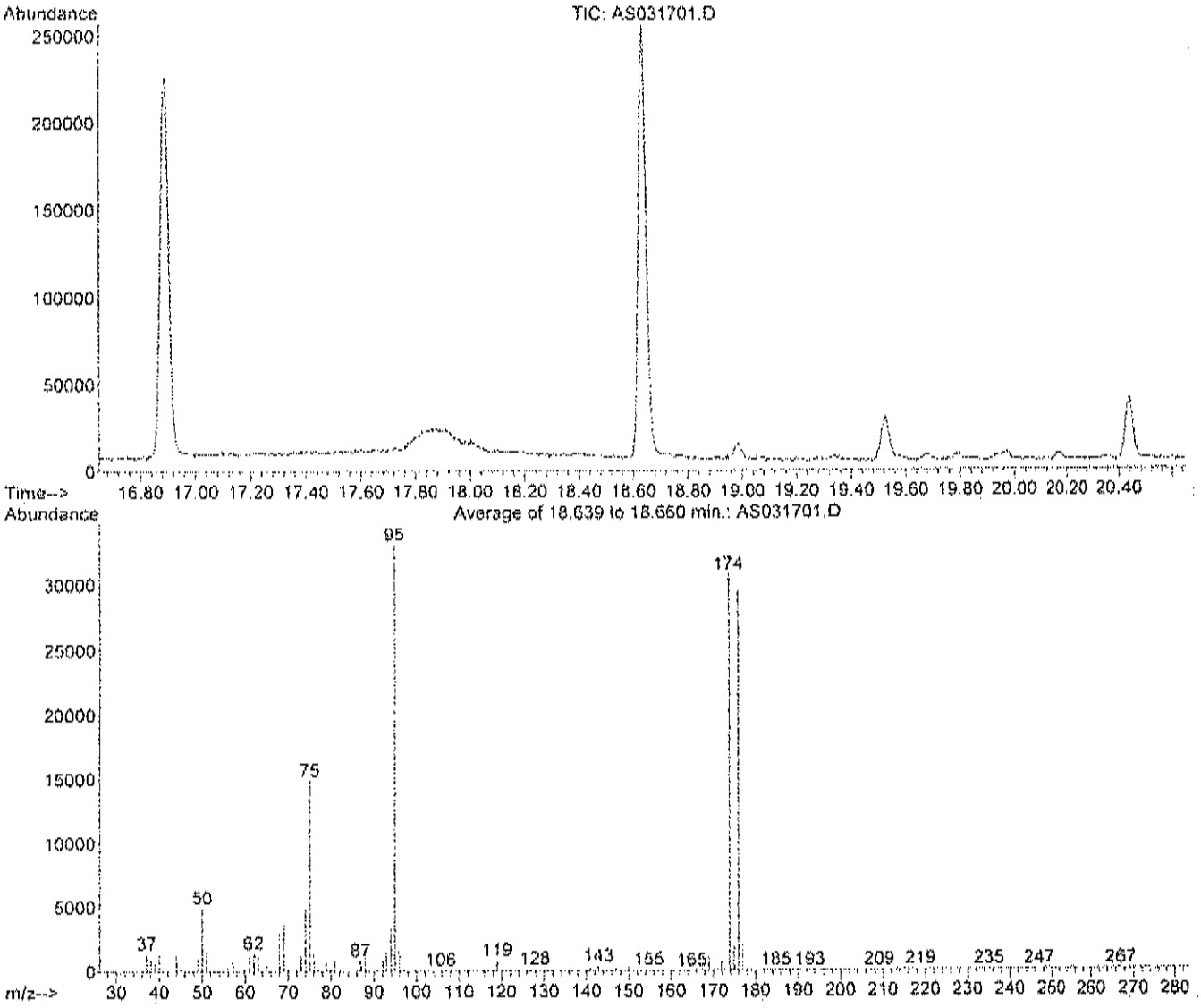
GC/MS VOLATILES-WHOLE AIR

METHOD TO-15

RAW DATA

BFB

Data File : C:\HPCHEM\1\DATA2\AS031701.D Vial: 1
Acq On : 17 Mar 2021 7:31 am Operator: RJP
Sample : BFB1UG Inst : MSD #1
Misc : A315_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : C:\HPCHEM\1\METHODS\A317_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration



Spectrum Information: Average of 18.639 to 18.660 min.

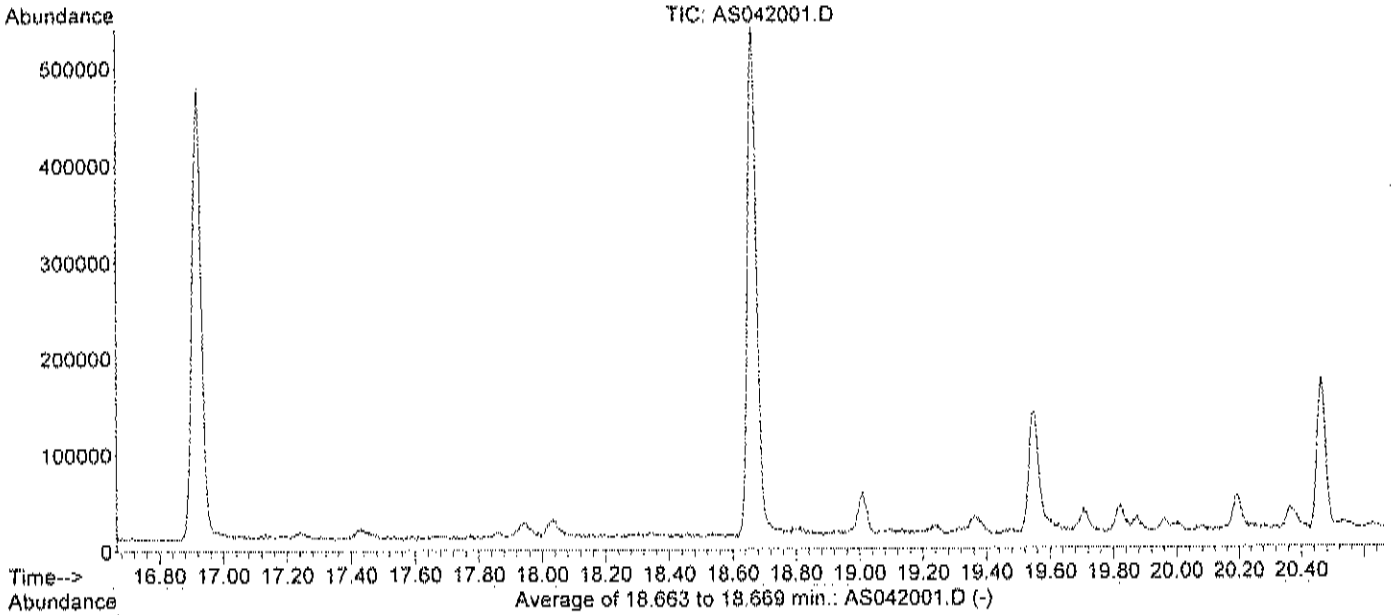
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95.	8	40	14.9	4943	PASS
75	95	30	66	45.0	14888	PASS
95	95	100	100	100.0	33075	PASS
96	95	5	9	6.1	2003	PASS
173	174	0.00	2	0.3	86	PASS
174	95	50	120	92.9	30712	PASS
175	174	4	9	6.4	1968	PASS
176	174	95	101	96.2	29554	PASS
177	176	5	9	6.8	1997	PASS

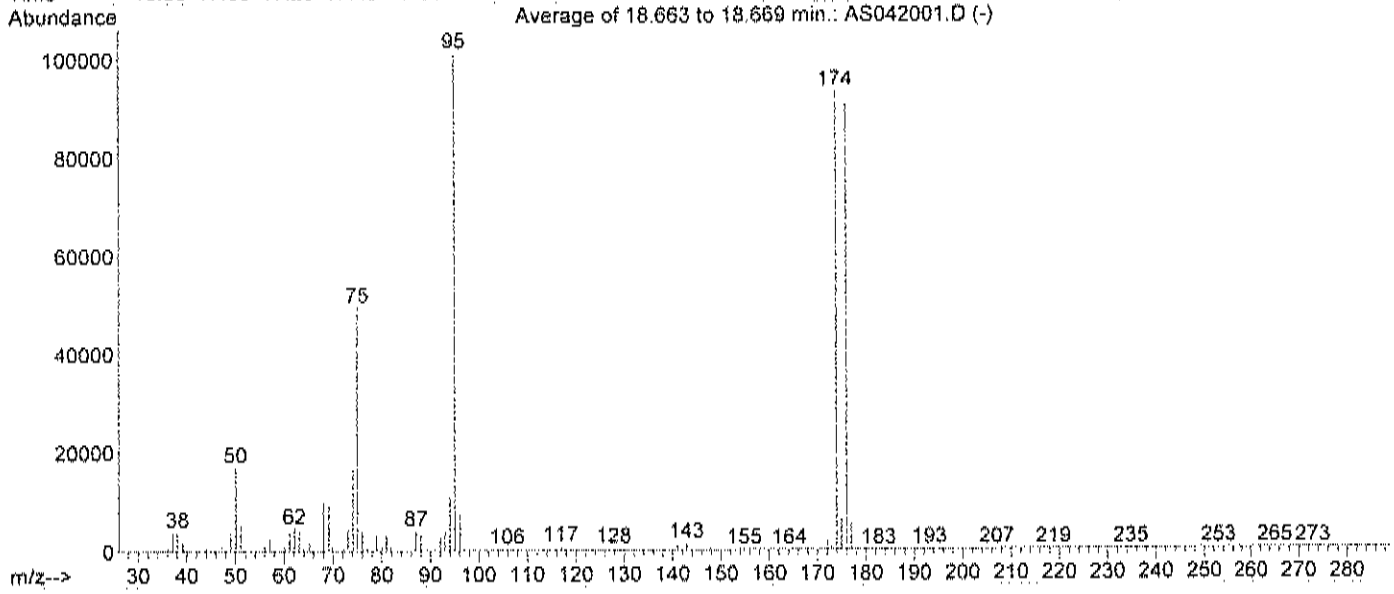
AS031701.D A317_1UG.M Tue Apr 06 14:36:22 2021 MSD1

BFB

Data File : C:\HPCHEM\1\DATA\AS042001.D
Acq On : 20 Apr 2021 10:30 am
Sample : BFB
Misc : A317_1UG
MS Integration Params: RTEINT.P
Method : C:\HPCHEM\1\METHODS\A317_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration

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





Spectrum Information: Average of 18.663 to 18.669 min.

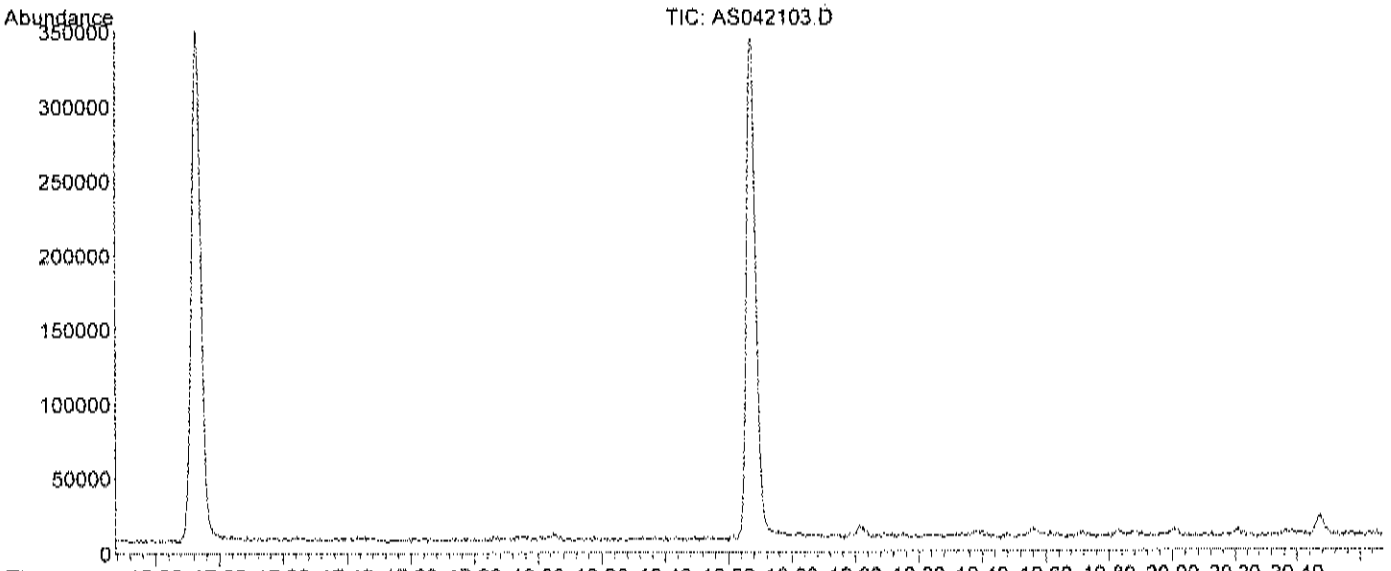
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	16.9	17059	PASS
75	95	30	66	49.0	49529	PASS
95	95	100	100	100.0	101164	PASS
96	95	5	9	7.4	7466	PASS
173	174	0.00	2	1.0	913	PASS
174	95	50	120	92.1	93221	PASS
175	174	4	9	7.2	6696	PASS
176	174	95	101	97.3	90733	PASS
177	176	5	9	5.9	5344	PASS

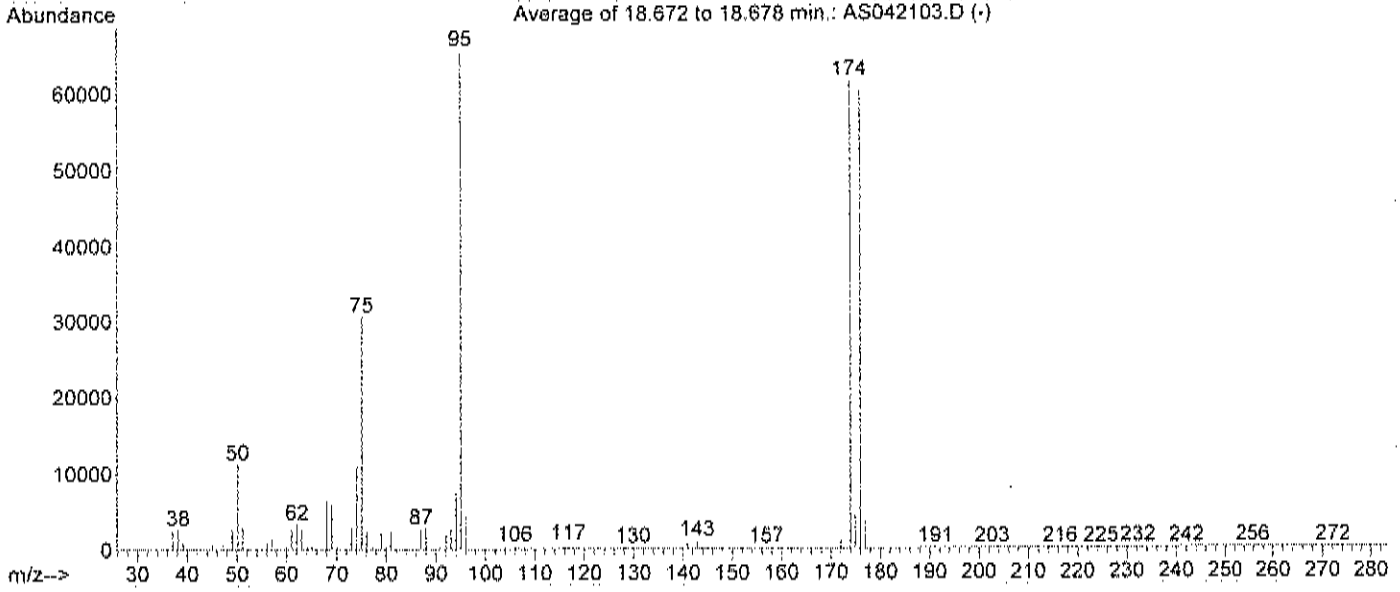
AS042001.D A317_1UG.M Wed May 05 08:22:06 2021 MSD1

BFB

Data File : C:\HPCHEM\1\DATA\AS042103.D
Acq On : 21 Apr 2021 12:33 pm
Sample : BFB
Misc : A317_1UG
MS Integration Params: RTEINT.P
Method : C:\HPCHEM\1\METHODS\A317_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration

Vial: 1
Operator: WD
Inst : MSD #1
Multiplr: 1.00





Spectrum Information: Average of 18.672 to 18.678 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	17.1	11203	PASS
75	95	30	66	46.7	30581	PASS
95	95	100	100	100.0	65533	PASS
96	95	5	9	6.9	4524	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	93.8	61461	PASS
175	174	4	9	7.4	4542	PASS
176	174	95	101	98.3	60397	PASS
177	176	5	9	6.4	3872	PASS

AS042103.D A317_1UG.M Wed May 05 08:24:06 2021 MSD1

GC/MS VOLATILES-WHOLE AIR

METHOD TO-15

RAW QC DATA

Date: *05-May-21*

CENTEK LABORATORIES, LLC

ANALYTICAL QC SUMMARY REPORT

CLIENT: LaBella Associates, P.C.
Work Order: C2104038
Project: 1500 Jefferson Road

TestCode: 0.20_NYS

Sample ID: **AMB1UG-042021** SampType: **MBLK** TestCode: **0.20_NYS** Units: **ppbV** Prep Date: RunNo: **17523**
Client ID: **ZZZZZ** Batch ID: **R17523** TestNo: **TO-15** Analysis Date: **4/20/2021** SeqNo: **198926**

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
- J 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: LaBella Associates, P.C.
Work Order: C2104038
Project: 1500 Jefferson Road

TestCode: 0.20_NYS

Sample ID: AMB1UG-042021	SampType: MBLK	TestCode: 0.20_NYS	Units: ppbV	Prep Date:	RunNo: 17523
Client ID: ZZZZZ	Batch ID: R17523	TestNo: TO-15		Analysis Date: 4/20/2021	SeqNo: 198926

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	0.1100	0.15									J
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:

- `.` 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
- 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

Sample ID: **AMB1UG-042021** SampType: **MBLK** TestCode: **0.20_NYS** Units: **ppbV** Prep Date: RunNo: **17523**
Client ID: **ZZZZZ** Batch ID: **R17523** TestNo: **TO-15** Analysis Date: **4/20/2021** SeqNo: **198926**

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-042121** SampType: **MBLK** TestCode: **0.20_NYS** Units: **ppbV** Prep Date: RunNo: **17524**
Client ID: **ZZZZZ** Batch ID: **R17524** TestNo: **TO-15** Analysis Date: **4/21/2021** SeqNo: **198943**

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: LaBella Associates, P.C.
Work Order: C2104038
Project: 1500 Jefferson Road

TestCode: 0.20_NYS

Sample ID: **AMB1UG-042121** SampType: **MBLK** TestCode: **0.20_NYS** Units: **ppbV** Prep Date: RunNo: **17524**
Client ID: **ZZZZZ** Batch ID: **R17524** TestNo: **TO-15** Analysis Date: **4/21/2021** SeqNo: **198943**

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
J 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: LaBella Associates, P.C.
Work Order: C2104038
Project: 1500 Jefferson Road

TestCode: 0.20_NYS

Sample ID: AMB1UG-042121	SampType: MBLK	TestCode: 0.20_NYS	Units: ppbV	Prep Date:	RunNo: 17524
Client ID: ZZZZZ	Batch ID: R17524	TestNo: TO-15		Analysis Date: 4/21/2021	SeqNo: 198943

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:

-	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		

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AS042005.D Vial: 1
Acq On : 20 Apr 2021 2:38 pm Operator: RJP
Sample : AMB1UG-042021 Inst : MSD #1
Misc : A317_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 21 08:25:30 2021 Quant Results File: A317_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A317_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Mon Apr 12 12:02:39 2021
Response via : Initial Calibration
DataAcq Meth : 1UG_ENT

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	9.82	128	86444	1.00	ppb	0.00
35) 1,4-difluorobenzene	12.11	114	320122	1.00	ppb	0.00
50) Chlorobenzene-d5	16.92	117	323571	1.00	ppb	0.00
System Monitoring Compounds						
65) Bromofluorobenzene	18.71	95	208645	0.85	ppb	0.05
Spiked Amount 1.000	Range 70 - 130		Recovery = 85.00%			
Target Compounds						Qvalue
21) Methylene chloride	7.06	84	12205	0.11	ppb	93

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

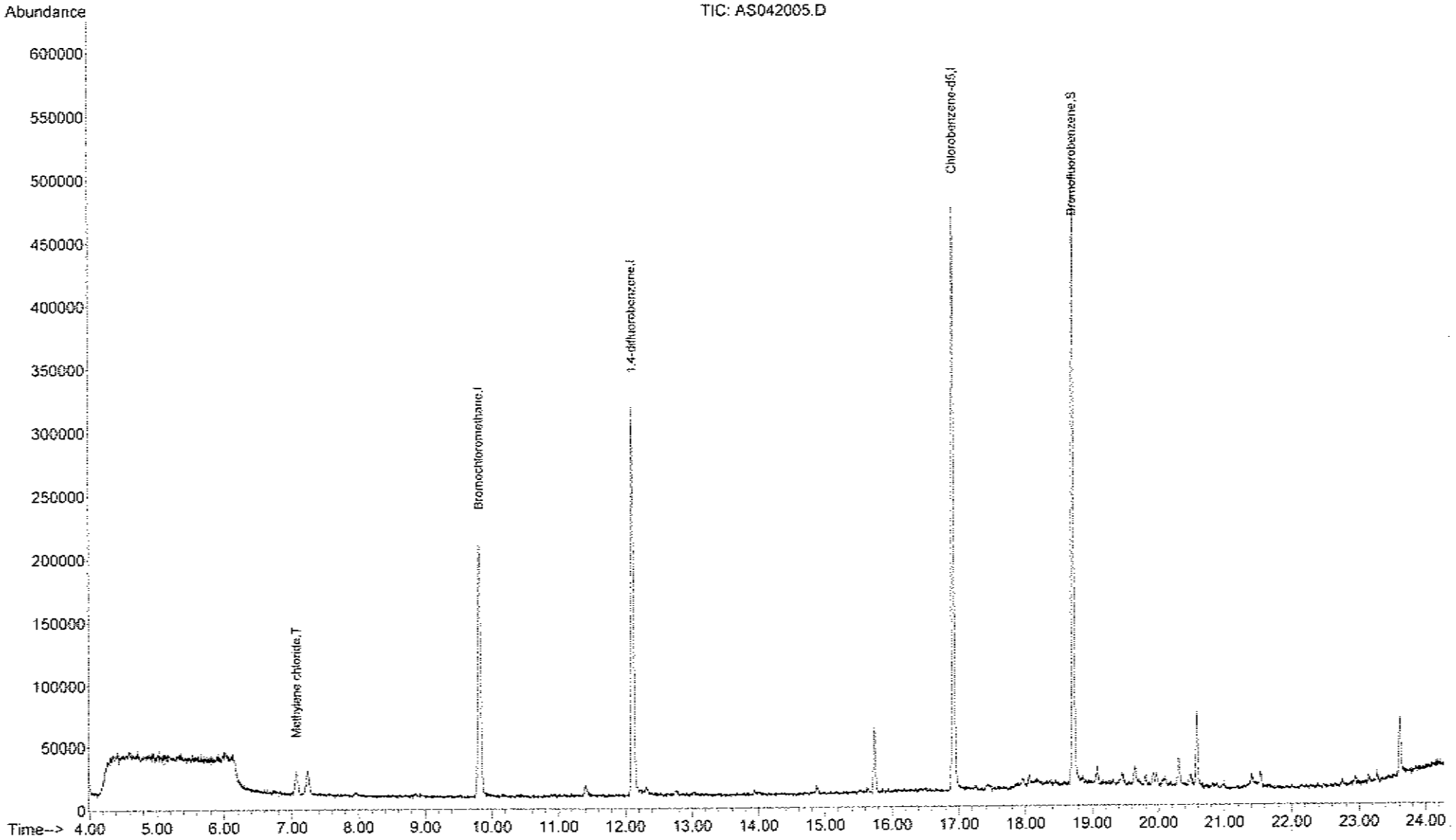
Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AS042005.D
Acq On : 20 Apr 2021 2:38 pm
Sample : AMB1UG-042021
Misc : A317_1UG
MS Integration Params: RTEINT.P
Quant Time: Apr 21 8:25 2021

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

Quant Results File: A317_1UG.RES

Method : C:\HPCHEM\1\METHODS\A317_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed May 05 08:06:45 2021
Response via : Initial Calibration



AS042005.D A317_1UG.M Wed May 05 08:21:06 2021 MSD1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AS042106.D Vial: 1
Acq On : 21 Apr 2021 3:08 pm Operator: WD
Sample : AMB1UG-042121 Inst : MSD #1
Misc : A317_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 22 12:30:18 2021 Quant Results File: A317_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A317_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Mon Apr 12 12:02:39 2021
Response via : Initial Calibration
DataAcq Meth : 1UG_ENT

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	9.83	128	77342	1.00	ppb	0.02
35) 1,4-difluorobenzene	12.12	114	284883	1.00	ppb	0.01
50) Chlorobenzene-d5	16.93	117	248281	1.00	ppb	0.00
System Monitoring Compounds						
65) Bromofluorobenzene	18.72	95	156526	0.83	ppb	0.06
Spiked Amount 1.000	Range 70 - 130		Recovery = 83.00%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed
AS042106.D A317_1UG.M Wed May 05 08:21:22 2021 MSD1 Page 1

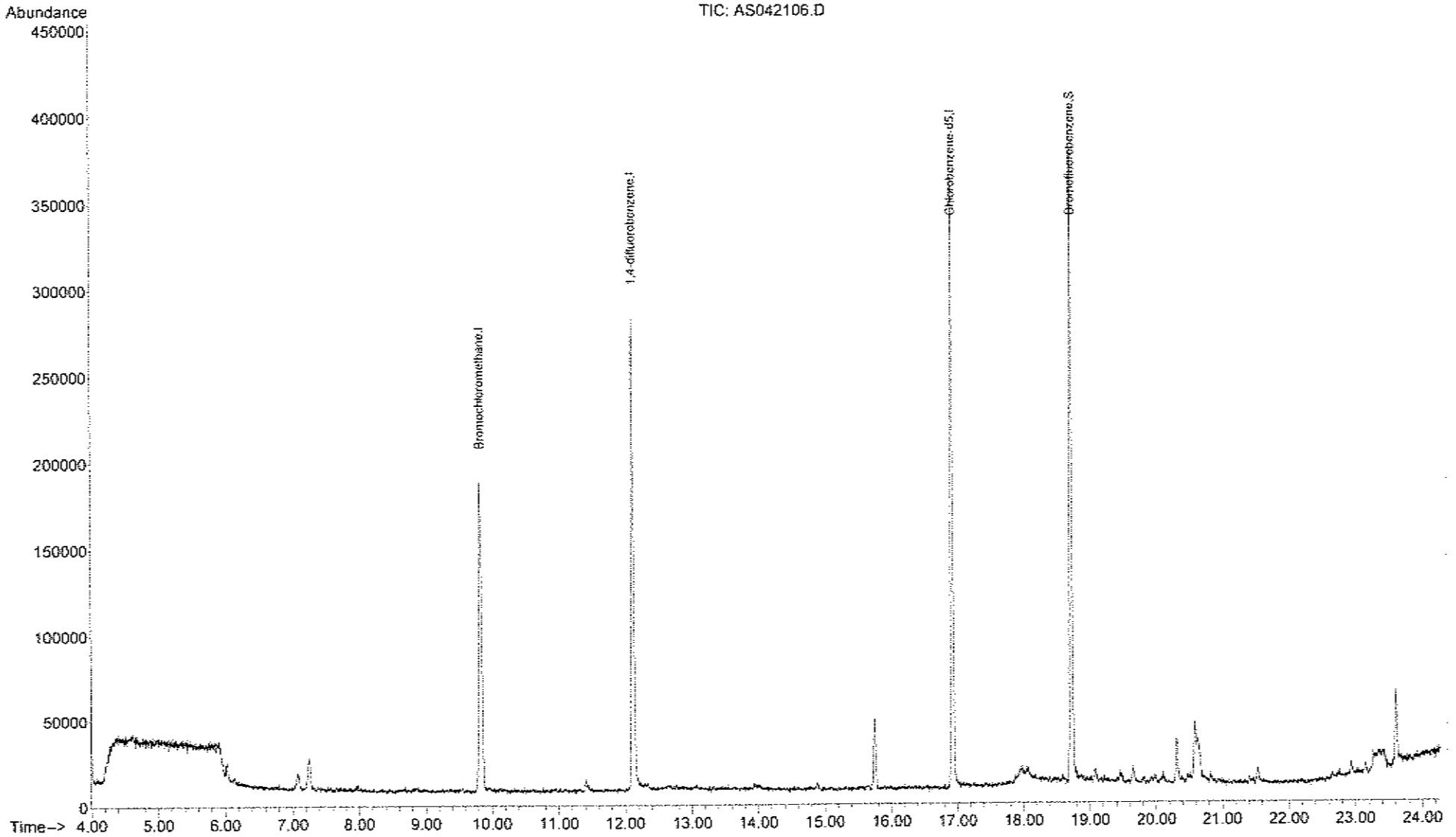
Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AS042106.D
Acq On : 21 Apr 2021 3:08 pm
Sample : AMB1UG-042121
Misc : A317_1UG
MS Integration Params: RTEINT.P
Quant Time: Apr 22 12:31 2021

Vial: 1
Operator: WD
Inst : MSD #1
Multiplr: 1.00

Quant Results File: A317_1UG.RES

Method : C:\HPCHEM\1\METHODS\A317_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed May 05 08:06:45 2021
Response via : Initial Calibration



Date: *05-May-21*

CENTEK LABORATORIES, LLC

ANALYTICAL QC SUMMARY REPORT

CLIENT: LaBella Associates, P.C.
Work Order: C2104038
Project: 1500 Jefferson Road

TestCode: 0.20_NYS

Sample ID: **ALCS1UG-042021** SampType: **LCS** TestCode: **0.20_NYS** Units: **ppbV** Prep Date: RunNo: **17523**
Client ID: **ZZZZZ** Batch ID: **R17523** TestNo: **TO-15** Analysis Date: **4/20/2021** SeqNo: **198927**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	1.120	0.15	1	0	112	91.3	127				
1,1,2,2-Tetrachloroethane	1.080	0.15	1	0	108	78.7	121				
1,1,2-Trichloroethane	1.080	0.15	1	0	108	88.1	136				
1,1-Dichloroethane	1.090	0.15	1	0	109	86.1	123				
1,1-Dichloroethene	0.9900	0.040	1	0	99.0	70	94				S
1,2,4-Trichlorobenzene	1.250	0.15	1	0	125	76.7	112				S
1,2,4-Trimethylbenzene	1.140	0.15	1	0	114	74.3	123				
1,2-Dibromoethane	1.060	0.15	1	0	106	80.4	125				
1,2-Dichlorobenzene	1.030	0.15	1	0	103	79.5	143				
1,2-Dichloroethane	1.120	0.15	1	0	112	70.9	133				
1,2-Dichloropropane	1.050	0.15	1	0	105	91	134				
1,3,5-Trimethylbenzene	1.100	0.15	1	0	110	77.4	138				
1,3-butadiene	0.9900	0.15	1	0	99.0	71	144				
1,3-Dichlorobenzene	1.070	0.15	1	0	107	84.7	128				
1,4-Dichlorobenzene	1.140	0.15	1	0	114	77.9	131				
1,4-Dioxane	1.090	0.30	1	0	109	85.1	135				
2,2,4-trimethylpentane	1.060	0.15	1	0	106	86.9	126				
4-ethyltoluene	1.100	0.15	1	0	110	77.5	133				
Acetone	0.7600	0.30	1	0	76.0	80.2	145				S
Allyl chloride	1.110	0.15	1	0	111	86.6	117				
Benzene	1.090	0.15	1	0	109	88.9	122				
Benzyl chloride	1.290	0.15	1	0	129	73.6	120				S
Bromodichloromethane	1.130	0.15	1	0	113	84.3	133				
Bromoform	1.050	0.15	1	0	105	44.6	149				
Bromomethane	1.080	0.15	1	0	108	78.7	144				

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
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

Sample ID: ALCS1UG-042021 SampType: LCS TestCode: 0.20_NYS Units: ppbV Prep Date: RunNo: 17523
Client ID: ZZZZZ Batch ID: R17523 TestNo: TO-15 Analysis Date: 4/20/2021 SeqNo: 198927

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Carbon disulfide	1.210	0.15	1	0	121	76.9	109				S
Carbon tetrachloride	1.120	0.030	1	0	112	71	120				
Chlorobenzene	1.030	0.15	1	0	103	82.6	121				
Chloroethane	1.020	0.15	1	0	102	67.1	146				
Chloroform	1.090	0.15	1	0	109	82.5	125				
Chloromethane	1.000	0.15	1	0	100	71.1	154				
cis-1,2-Dichloroethene	1.050	0.040	1	0	105	71.2	112				
cis-1,3-Dichloropropene	1.110	0.15	1	0	111	90.3	137				
Cyclohexane	1.070	0.15	1	0	107	87	122				
Dibromochloromethane	1.080	0.15	1	0	108	62.8	132				
Ethyl acetate	1.150	0.15	1	0	115	86.9	134				
Ethylbenzene	1.100	0.15	1	0	110	76.9	123				
Freon 11	1.010	0.15	1	0	101	54.4	150				
Freon 113	1.100	0.15	1	0	110	83.4	124				
Freon 114	1.070	0.15	1	0	107	82.4	144				
Freon 12	1.110	0.15	1	0	111	86.3	135				
Heptane	1.100	0.15	1	0	110	86.5	137				
Hexachloro-1,3-butadiene	1.200	0.15	1	0	120	78.7	120				
Hexane	1.090	0.15	1	0	109	77.3	128				
Isopropyl alcohol	0.9900	0.15	1	0	99.0	80.2	122				
m&p-Xylene	2.210	0.30	2	0	110	77.9	132				
Methyl Butyl Ketone	1.080	0.30	1	0	108	69.4	131				
Methyl Ethyl Ketone	1.080	0.30	1	0	108	71.5	117				
Methyl Isobutyl Ketone	1.080	0.30	1	0	108	63.5	141				
Methyl tert-butyl ether	1.080	0.15	1	0	108	80.8	113				
Methylene chloride	1.210	0.15	1	0.11	110	87.8	123				
o-Xylene	1.090	0.15	1	0	109	80.5	139				
Propylene	1.080	0.15	1	0	108	96.2	135				
Styrene	1.070	0.15	1	0	107	82.7	138				
Tetrachloroethylene	1.050	0.15	1	0	105	85.9	122				
Tetrahydrofuran	1.070	0.15	1	0	107	65.5	134				

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
- 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

Sample ID: **ALCS1UG-042021** SampType: **LCS** TestCode: **0.20_NYS** Units: **ppbV** Prep Date: RunNo: **17523**
Client ID: **ZZZZZ** Batch ID: **R17523** TestNo: **TO-15** Analysis Date: **4/20/2021** SeqNo: **198927**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	1.080	0.15	1	0	108	77.8	127				
trans-1,2-Dichloroethene	1.070	0.15	1	0	107	83.3	116				
trans-1,3-Dichloropropene	1.150	0.15	1	0	115	84.8	134				
Trichloroethene	1.060	0.030	1	0	106	79.3	117				
Vinyl acetate	1.070	0.15	1	0	107	70.5	101				S
Vinyl Bromide	1.030	0.15	1	0	103	81.4	142				
Vinyl chloride	0.9800	0.040	1	0	98.0	70.4	138				

Sample ID: **ALCS1UG-042121** SampType: **LCS** TestCode: **0.20_NYS** Units: **ppbV** Prep Date: RunNo: **17524**
Client ID: **ZZZZZ** Batch ID: **R17524** TestNo: **TO-15** Analysis Date: **4/21/2021** SeqNo: **198944**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	1.240	0.15	1	0	124	91.3	127				
1,1,2,2-Tetrachloroethane	1.220	0.15	1	0	122	78.7	121				S
1,1,2-Trichloroethane	1.180	0.15	1	0	118	88.1	136				
1,1-Dichloroethane	1.110	0.15	1	0	111	86.1	123				
1,1-Dichloroethene	0.9700	0.040	1	0	97.0	70	94				S
1,2,4-Trichlorobenzene	1.500	0.15	1	0	150	76.7	112				S
1,2,4-Trimethylbenzene	1.200	0.15	1	0	120	74.3	123				
1,2-Dibromoethane	1.190	0.15	1	0	119	80.4	125				
1,2-Dichlorobenzene	1.350	0.15	1	0	135	79.5	143				
1,2-Dichloroethane	1.120	0.15	1	0	112	79.9	133				
1,2-Dichloropropane	1.210	0.15	1	0	121	91	134				
1,3,5-Trimethylbenzene	1.280	0.15	1	0	128	77.4	138				
1,3-butadiene	1.070	0.15	1	0	107	71	144				
1,3-Dichlorobenzene	1.230	0.15	1	0	123	84.7	128				
1,4-Dichlorobenzene	1.290	0.15	1	0	129	77.9	131				
1,4-Dioxane	1.220	0.30	1	0	122	85.1	135				
2,2,4-trimethylpentane	1.170	0.15	1	0	117	86.9	126				
4-ethyltoluene	1.270	0.15	1	0	127	77.5	133				

CLIENT: LaBella Associates, P.C.
Work Order: C2104038
Project: 1500 Jefferson Road

TestCode: 0.20_NYS

Sample ID: ALCS1UG-042121	SampType: LCS	TestCode: 0.20_NYS	Units: ppbV	Prep Date:	RunNo: 17524
Client ID: ZZZZZ	Batch ID: R17524	TestNo: TO-15		Analysis Date: 4/21/2021	SeqNo: 198944

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acetone	1.110	0.30	1	0	111	80.2	145				
Allyl chloride	1.110	0.15	1	0	111	86.6	117				
Benzene	1.130	0.15	1	0	113	88.9	122				
Benzyl chloride	1.400	0.15	1	0	140	73.6	120				S
Bromodichloromethane	1.230	0.15	1	0	123	84.3	133				
Bromoform	1.170	0.15	1	0	117	44.6	149				
Bromomethane	1.110	0.15	1	0	111	78.7	144				
Carbon disulfide	1.120	0.15	1	0	112	76.9	109				S
Carbon tetrachloride	1.240	0.030	1	0	124	71	120				S
Chlorobenzene	1.150	0.15	1	0	115	82.6	121				
Chloroethane	1.070	0.15	1	0	107	67.1	146				
Chloroform	1.110	0.15	1	0	111	82.5	125				
Chloromethane	1.020	0.15	1	0	102	71.1	154				
cis-1,2-Dichloroethene	1.050	0.040	1	0	105	71.2	112				
cis-1,3-Dichloropropene	1.220	0.15	1	0	122	90.3	137				
Cyclohexane	1.140	0.15	1	0	114	87	122				
Dibromochloromethane	1.230	0.15	1	0	123	62.8	132				
Ethyl acetate	1.130	0.15	1	0	113	86.9	134				
Ethylbenzene	1.190	0.15	1	0	119	76.9	123				
Freon 11	1.160	0.15	1	0	116	54.4	150				
Freon 113	1.130	0.15	1	0	113	83.4	124				
Freon 114	1.120	0.15	1	0	112	82.4	144				
Freon 12	1.170	0.15	1	0	117	86.3	135				
Heptane	1.200	0.15	1	0	120	86.5	137				
Hexachloro-1,3-butadiene	1.500	0.15	1	0	150	78.7	120				S
Hexane	1.080	0.15	1	0	108	77.3	128				
Isopropyl alcohol	1.190	0.15	1	0	119	80.2	122				
m&p-Xylene	2.550	0.30	2	0	128	77.9	132				
Methyl Butyl Ketone	1.190	0.30	1	0	119	69.4	131				
Methyl Ethyl Ketone	1.050	0.30	1	0	105	71.5	117				
Methyl Isobutyl Ketone	1.200	0.30	1	0	120	63.5	141				

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
- 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: LaBella Associates, P.C.
Work Order: C2104038
Project: 1500 Jefferson Road

TestCode: 0.20_NYS

Sample ID: ALCS1UG-042121	SampType: LCS	TestCode: 0.20_NYS	Units: ppbV	Prep Date:	RunNo: 17524
Client ID: ZZZZZ	Batch ID: R17524	TestNo: TO-15		Analysis Date: 4/21/2021	SeqNo: 198944

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether	1.030	0.15	1	0	103	80.8	113				
Methylene chloride	1.140	0.15	1	0	114	87.8	123				
o-Xylene	1.300	0.15	1	0	130	80.5	139				
Propylene	1.090	0.15	1	0	109	96.2	135				
Styrene	1.280	0.15	1	0	128	82.7	138				
Tetrachloroethylene	1.210	0.15	1	0	121	85.9	122				
Tetrahydrofuran	1.060	0.15	1	0	106	65.5	134				
Toluene	1.190	0.15	1	0	119	77.8	127				
trans-1,2-Dichloroethene	1.080	0.15	1	0	108	83.3	116				
trans-1,3-Dichloropropene	1.130	0.15	1	0	113	84.8	134				
Trichloroethene	1.170	0.030	1	0	117	79.3	117				
Vinyl acetate	1.020	0.15	1	0	102	70.5	101				S
Vinyl Bromide	1.080	0.15	1	0	108	81.4	142				
Vinyl chloride	1.010	0.040	1	0	101	70.4	138				

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		

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AS042004.D Vial: 1
Acq On : 20 Apr 2021 1:59 pm Operator: RJP
Sample : ALCS1UG-042021 Inst : MSD #1
Misc : A317_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 21 06:58:20 2021 Quant Results File: A317_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A317_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Mon Apr 12 12:02:39 2021
Response via : Initial Calibration
DataAcq Meth : 1UG_ENT

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	9.81	128	89217	1.00	ppb		0.00
35) 1,4-difluorobenzene	12.11	114	335385	1.00	ppb		0.00
50) Chlorobenzene-d5	16.92	117	333942	1.00	ppb		0.00
System Monitoring Compounds							
65) Bromofluorobenzene	18.71	95	251925	1.00	ppb		0.05
Spiked Amount 1.000	Range 70 - 130		Recovery = 100.00%				
Target Compounds							Qvalue
2) Propylene	4.17	41	71296	1.08	ppb		87
3) Freon 12	4.22	85	368847	1.11	ppb		99
4) Chloromethane	4.41	50	80105	1.00	ppb		95
5) Freon 114	4.42	85	281618	1.07	ppb		99
6) Vinyl Chloride	4.61	62	79678	0.98	ppb		95
7) Butane	4.71	43	89411	1.00	ppb		100
8) 1,3-butadiene	4.72	39	62702	0.99	ppb		96
9) Bromomethane	5.06	94	107889	1.08	ppb		99
10) Chloroethane	5.23	64	38136	1.02	ppb		100
11) Ethanol	5.32	45	21708	0.89	ppb		77
12) Acrolein	5.91	56	24518	0.70	ppb		80
13) Vinyl Bromide	5.57	106	106387	1.03	ppb		100
14) Freon 11	5.84	101	370005	1.01	ppb		98
15) Acetone	6.01	58	41478m	0.76	ppb		
16) Pentane	6.13	42	87402	0.94	ppb		97
17) Isopropyl alcohol	6.12	45	139443	0.99	ppb		92
18) 1,1-dichloroethene	6.61	96	114448	0.99	ppb	#	85
19) Freon 113	6.81	101	304802	1.10	ppb		98
20) t-Butyl alcohol	6.83	59	196501	1.10	ppb	#	80
21) Methylene chloride	7.07	84	140180	1.21	ppb		96
22) Allyl chloride	7.05	41	118141	1.11	ppb		98
23) Carbon disulfide	7.23	76	416753	1.21	ppb		97
24) trans-1,2-dichloroethene	8.01	61	166770	1.07	ppb		94
25) methyl tert-butyl ether	8.03	73	264563	1.08	ppb		78
26) 1,1-dichloroethane	8.43	63	231464	1.09	ppb		98
27) Vinyl acetate	8.42	43	185935	1.07	ppb		96
28) Methyl Ethyl Ketone	8.92	72	51192	1.08	ppb	#	100
29) cis-1,2-dichloroethene	9.36	61	148129	1.05	ppb		97
30) Hexane	8.97	57	153382	1.09	ppb		84
31) Ethyl acetate	9.51	43	225664	1.15	ppb		96
32) Chloroform	9.98	83	308933	1.09	ppb		99
33) Tetrahydrofuran	10.15	42	89391	1.07	ppb		90
34) 1,2-dichloroethane	11.09	62	191030	1.12	ppb		100
36) 1,1,1-trichloroethane	10.80	97	308252	1.12	ppb		100
37) Cyclohexane	11.52	56	136043	1.07	ppb		84
38) Carbon tetrachloride	11.45	117	345288	1.12	ppb		98
39) Benzene	11.42	78	350907	1.09	ppb		95
40) Methyl methacrylate	12.99	41	126522	1.11	ppb		91
41) 1,4-dioxane	13.00	88	76653	1.09	ppb		92
42) 2,2,4-trimethylpentane	12.28	57	455989	1.06	ppb		88
43) Heptane	12.63	43	153287	1.10	ppb		94
44) Trichloroethene	12.75	130	181357	1.06	ppb		99
45) 1,2-dichloropropane	12.87	63	131582	1.05	ppb		100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AS042004.D Vial: 1
Acq On : 20 Apr 2021 1:59 pm Operator: RJP
Sample : ALCS1UG-042021 Inst : MSD #1
Misc : A317_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 21 06:58:20 2021 Quant Results File: A317_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A317_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Mon Apr 12 12:02:39 2021
Response via : Initial Calibration
DataAcq Meth : 1UG_ENT

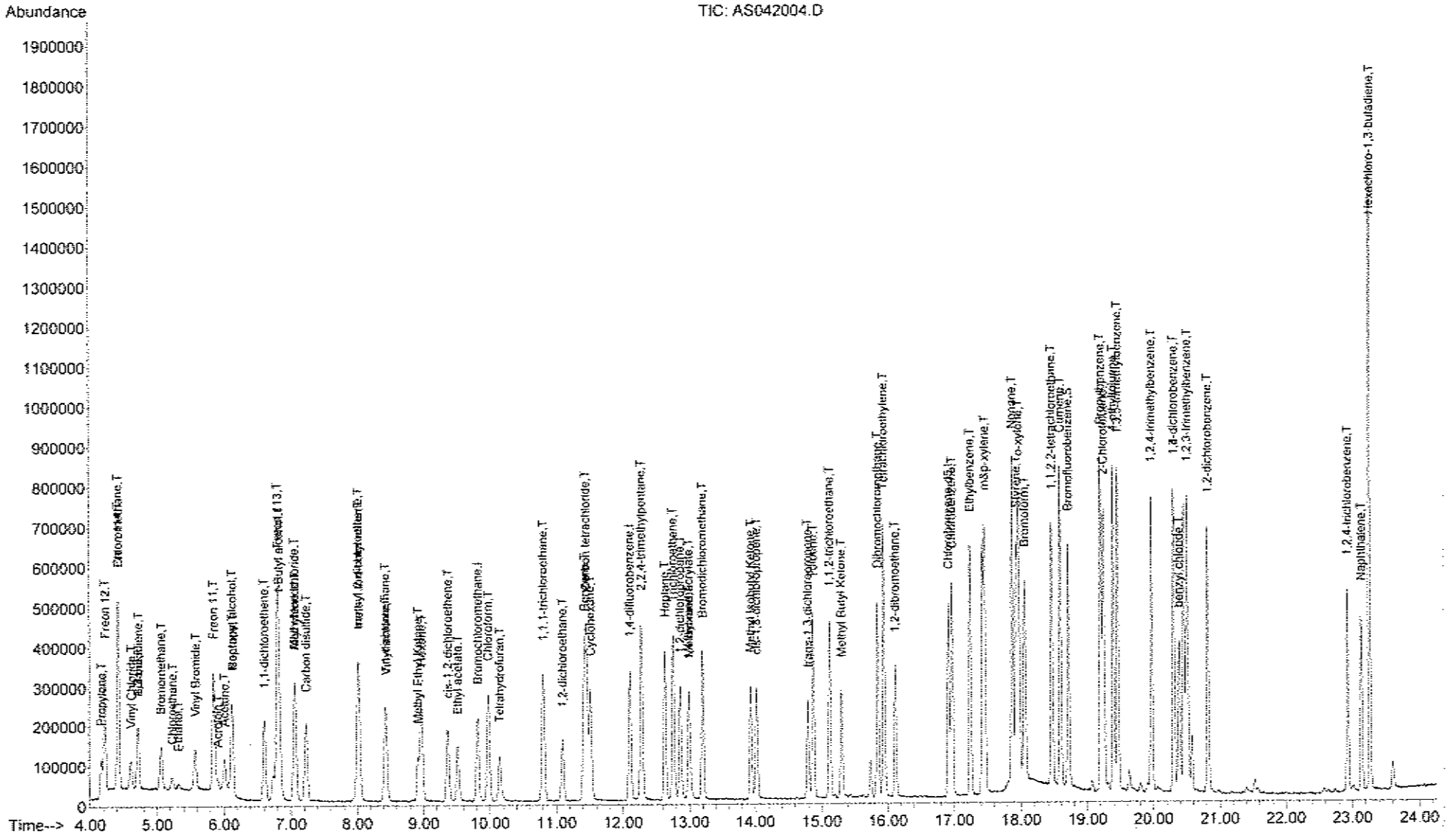
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
46)	Bromodichloromethane	13.20	83	314374	1.13	ppb	99
47)	cis-1,3-dichloropropene	14.02	75	196450	1.11	ppb	97
48)	trans-1,3-dichloropropene	14.79	75	167222m	1.15	ppb	
49)	1,1,2-trichloroethane	15.13	97	171992	1.08	ppb	100
51)	Toluene	14.87	92	240973	1.08	ppb	99
52)	Methyl Isobutyl Ketone	13.93	43	224142	1.08	ppb	90
53)	Dibromochloromethane	15.85	129	326018	1.08	ppb	99
54)	Methyl Butyl Ketone	15.30	43	203507	1.08	ppb	86
55)	1,2-dibromoethane	16.12	107	270679	1.06	ppb	99
56)	Tetrachloroethylene	15.95	164	193429	1.05	ppb	99
57)	Chlorobenzene	16.97	112	366796	1.03	ppb	99
58)	Ethylbenzene	17.25	91	520329	1.10	ppb	98
59)	m&p-xylene	17.46	91	883834	2.21	ppb	98
60)	Nonane	17.87	43	260811	1.12	ppb	87
61)	Styrene	17.93	104	348891	1.07	ppb	93
62)	Bromoform	18.06	173	300928	1.05	ppb	98
63)	o-xylene	17.97	91	507194	1.09	ppb	97
64)	Cumene	18.59	105	619715	1.11	ppb	98
66)	1,1,2,2-tetrachloroethane	18.46	83	408675	1.08	ppb	99
67)	Propylbenzene	19.20	120	170490	1.09	ppb	75
68)	2-Chlorotoluene	19.25	126	178807	1.03	ppb	97
69)	4-ethyltoluene	19.39	105	615701	1.10	ppb	98
70)	1,3,5-trimethylbenzene	19.46	105	558432m	1.10	ppb	
71)	1,2,4-trimethylbenzene	19.97	105	504056	1.14	ppb	100
72)	1,3-dichlorobenzene	20.31	146	393740	1.07	ppb	99
73)	benzyl chloride	20.39	91	335799	1.29	ppb	96
74)	1,4-dichlorobenzene	20.31	146	407239	1.14	ppb	100
75)	1,2,3-trimethylbenzene	20.51	105	504285	1.05	ppb	98
76)	1,2-dichlorobenzene	20.82	146	340421	1.03	ppb	99
77)	1,2,4-trichlorobenzene	22.93	180	189021	1.25	ppb	98
78)	Naphthalene	23.14	128	400681	1.18	ppb	99
79)	Hexachloro-1,3-butadiene	23.26	225	328465	1.20	ppb	97

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AS042004.D Vial: 1
Acq On : 20 Apr 2021 1:59 pm Operator: RJP
Sample : ALCS1UG-042021 Inst : MSD #1
Misc : A317_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 21 8:24 2021 Quant Results File: A317_1UG.RES

Method : C:\HPCHEM\1\METHODS\A317_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed May 05 08:06:45 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AS042105.D Vial: 1
Acq On : 21 Apr 2021 2:15 pm Operator: WD
Sample : ALCS1UG-042121 Inst : MSD #1
Misc : A317_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 22 12:28:10 2021 Quant Results File: A317_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A317_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Mon Apr 12 12:02:39 2021
Response via : Initial Calibration
DataAcq Meth : 1UG_ENT

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	9.83	128	79503	1.00	ppb		0.02
35) 1,4-difluorobenzene	12.12	114	273664	1.00	ppb		0.01
50) Chlorobenzene-d5	16.93	117	255437	1.00	ppb		0.01
System Monitoring Compounds							
65) Bromofluorobenzene	18.67	95	210351	1.09	ppb		0.00
Spiked Amount 1.000	Range 70 - 130		Recovery = 109.00%				
Target Compounds							Qvalue
2) Propylene	4.17	41	63687	1.09	ppb		93
3) Freon 12	4.22	85	348763	1.17	ppb		97
4) Chloromethane	4.42	50	72804	1.02	ppb		99
5) Freon 114	4.42	85	264689	1.12	ppb		99
6) Vinyl Chloride	4.61	62	72957	1.01	ppb		97
7) Butane	4.72	43	82376	1.03	ppb		100
8) 1,3-butadiene	4.72	39	60520	1.07	ppb		92
9) Bromomethane	5.07	94	98660	1.11	ppb		99
10) Chloroethane	5.23	64	35434	1.07	ppb		97
11) Ethanol	5.33	45	17339	0.80	ppb	#	67
12) Acrolein	5.92	56	31487	1.02	ppb		81
13) Vinyl Bromide	5.58	106	99435	1.08	ppb		100
14) Freon 11	5.86	101	382698	1.18	ppb		98
15) Acetone	6.02	58	53976m	1.11	ppb		
16) Pentane	6.14	42	102754	1.24	ppb		96
17) Isopropyl alcohol	6.14	45	148843	1.19	ppb		97
18) 1,1-dichloroethene	6.62	96	100119	0.97	ppb	#	87
19) Freon 113	6.83	101	280587	1.13	ppb		98
20) t-Butyl alcohol	6.85	59	168051	1.06	ppb	#	79
21) Methylene chloride	7.08	84	117724	1.14	ppb		95
22) Allyl chloride	7.07	41	105153	1.11	ppb		99
23) Carbon disulfide	7.24	76	342702	1.12	ppb		97
24) trans-1,2-dichloroethene	8.02	61	151121	1.08	ppb		92
25) methyl tert-butyl ether	8.04	73	225968	1.03	ppb		75
26) 1,1-dichloroethane	8.45	63	209860	1.11	ppb		98
27) Vinyl acetate	8.43	43	157842	1.02	ppb		95
28) Methyl Ethyl Ketone	8.93	72	44556	1.05	ppb	#	100
29) cis-1,2-dichloroethene	9.38	61	131855	1.05	ppb		96
30) Hexane	8.99	57	135410	1.08	ppb		82
31) Ethyl acetate	9.52	43	197179	1.13	ppb		98
32) Chloroform	9.99	83	280765	1.11	ppb		99
33) Tetrahydrofuran	10.17	42	79145	1.06	ppb		90
34) 1,2-dichloroethane	11.11	62	171146	1.12	ppb		100
36) 1,1,1-trichloroethane	10.82	97	278444	1.24	ppb		98
37) Cyclohexane	11.53	56	119229	1.14	ppb		85
38) Carbon tetrachloride	11.47	117	311926	1.24	ppb		100
39) Benzene	11.43	78	297182m	1.13	ppb		
40) Methyl methacrylate	13.00	41	110655	1.19	ppb		92
41) 1,4-dioxane	13.01	88	69758	1.22	ppb		94
42) 2,2,4-trimethylpentane	12.29	57	410729	1.17	ppb		87
43) Heptane	12.64	43	135970	1.20	ppb		94
44) Trichloroethene	12.77	130	162564	1.17	ppb		99
45) 1,2-dichloropropane	12.87	63	123656	1.21	ppb		98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AS042105.D Vial: 1
Acq On : 21 Apr 2021 2:15 pm Operator: WD
Sample : ALCS1UG-042121 Inst : MSD #1
Misc : A317_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 22 12:28:10 2021 Quant Results File: A317_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A317_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Mon Apr 12 12:02:39 2021
Response via : Initial Calibration
DataAcq Meth : 1UG_ENT

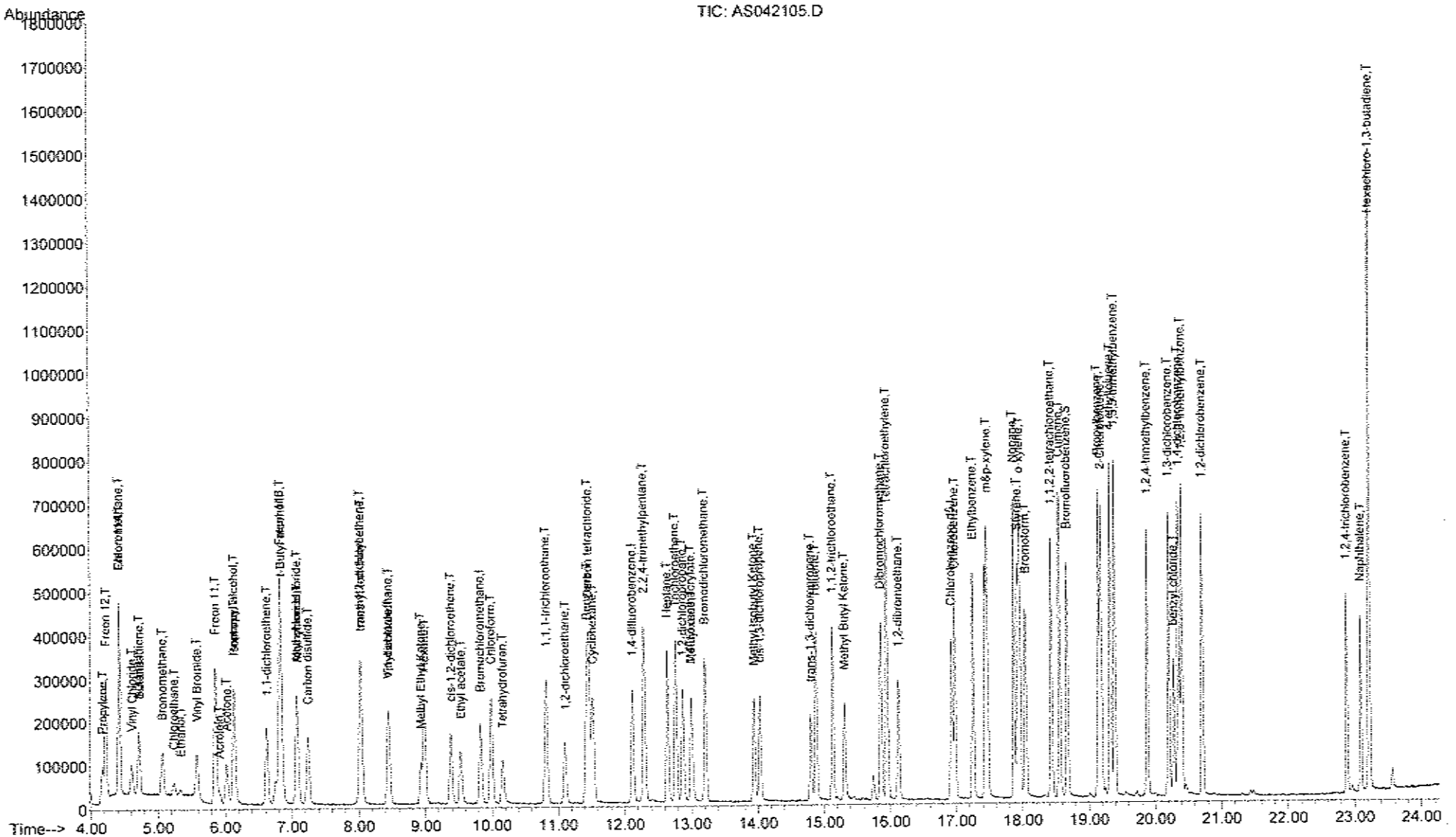
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46)	Bromodichloromethane	13.21	83	279820	1.23	ppb		99
47)	cis-1,3-dichloropropene	14.03	75	176589	1.22	ppb		96
48)	trans-1,3-dichloropropene	14.81	75	134527m	1.13	ppb		
49)	1,1,2-trichloroethane	15.13	97	153700	1.18	ppb		100
51)	Toluene	14.88	92	202384	1.19	ppb		97
52)	Methyl Isobutyl Ketone	13.95	43	189955	1.20	ppb		85
53)	Dibromochloromethane	15.86	129	281870	1.23	ppb		99
54)	Methyl Butyl Ketone	15.31	43	172472	1.19	ppb		83
55)	1,2-dibromoethane	16.13	107	232526	1.19	ppb		98
56)	Tetrachloroethylene	15.96	164	169800	1.21	ppb		98
57)	Chlorobenzene	16.98	112	312255	1.15	ppb		100
58)	Ethylbenzene	17.25	91	427321	1.19	ppb		99
59)	m&p-xylene	17.47	91	780509	2.55	ppb		98
60)	Nonane	17.87	43	216226	1.21	ppb		86
61)	Styrene	17.93	104	318761	1.28	ppb		94
62)	Bromoform	18.05	173	256096	1.17	ppb		100
63)	o-xylene	17.96	91	462519	1.30	ppb		96
64)	Cumene	18.56	105	499870	1.17	ppb		97
66)	1,1,2,2-tetrachloroethane	18.43	83	353994	1.22	ppb		97
67)	Propylbenzene	19.14	120	138609	1.16	ppb	#	59
68)	2-Chlorotoluene	19.18	126	163945	1.24	ppb	#	83
69)	4-ethyltoluene	19.33	105	542879	1.27	ppb		99
70)	1,3,5-trimethylbenzene	19.39	105	495452m	1.28	ppb		
71)	1,2,4-trimethylbenzene	19.88	105	405536	1.20	ppb		98
72)	1,3-dichlorobenzene	20.21	146	347502	1.23	ppb		99
73)	benzyl chloride	20.28	91	279616	1.40	ppb		98
74)	1,4-dichlorobenzene	20.36	146	351185	1.29	ppb		99
75)	1,2,3-trimethylbenzene	20.40	105	487799	1.33	ppb		98
76)	1,2-dichlorobenzene	20.71	146	342839	1.35	ppb		99
77)	1,2,4-trichlorobenzene	22.88	180	173350	1.50	ppb		98
78)	Naphthalene	23.09	128	367529	1.41	ppb		99
79)	Hexachloro-1,3-butadiene	23.22	225	314245	1.50	ppb		98

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AS042105.D Vial: 1
Acq On : 21 Apr 2021 2:15 pm Operator: WD
Sample : ALCS1UG-042121 Inst : MSD #1
Misc : A317_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 22 12:29 2021 Quant Results File: A317_1UG.RES

Method : C:\HPCHEM\1\METHODS\A317_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed May 05 08:06:45 2021
Response via : Initial Calibration



Date: *05-May-21*

CENTEK LABORATORIES, LLC

ANALYTICAL QC SUMMARY REPORT

CLIENT: LaBella Associates, P.C.
Work Order: C2104038
Project: 1500 Jefferson Road

TestCode: 0.20_NYS

Sample ID: **ALCS1UGD-042021** SampType: **LCSD** TestCode: **0.20_NYS** Units: **ppbV** Prep Date: RunNo: **17523**
Client ID: **ZZZZZ** Batch ID: **R17523** TestNo: **TO-15** Analysis Date: **4/20/2021** SeqNo: **198928**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	1.060	0.15	1	0	106	91.3	127	1.12	5.50	0	
1,1,2,2-Tetrachloroethane	1.050	0.15	1	0	105	78.7	121	1.08	2.82	0	
1,1,2-Trichloroethane	1.020	0.15	1	0	102	88.1	136	1.08	5.71	0	
1,1-Dichloroethane	1.020	0.15	1	0	102	86.1	123	1.09	6.64	0	
1,1-Dichloroethene	0.9800	0.040	1	0	98.0	70	94	0.99	1.02	0	S
1,2,4-Trichlorobenzene	1.320	0.15	1	0	132	76.7	112	1.25	5.45	0	S
1,2,4-Trimethylbenzene	1.180	0.15	1	0	118	74.3	123	1.14	3.45	0	
1,2-Dibromoethane	1.060	0.15	1	0	106	80.4	125	1.06	0	0	
1,2-Dichlorobenzene	1.180	0.15	1	0	118	79.5	143	1.03	13.6	0	
1,2-Dichloroethane	1.050	0.15	1	0	105	70.9	133	1.12	6.45	0	
1,2-Dichloropropane	1.010	0.15	1	0	101	91	134	1.05	3.88	0	
1,3,5-Trimethylbenzene	1.220	0.15	1	0	122	77.4	138	1.1	10.3	0	
1,3-butadiene	0.9300	0.15	1	0	93.0	71	144	0.99	6.25	0	
1,3-Dichlorobenzene	1.120	0.15	1	0	112	84.7	128	1.07	4.57	0	
1,4-Dichlorobenzene	1.200	0.15	1	0	120	77.9	131	1.14	5.13	0	
1,4-Dioxane	1.100	0.30	1	0	110	85.1	135	1.09	0.913	0	
2,2,4-trimethylpentane	1.050	0.15	1	0	105	86.9	126	1.06	0.948	0	
4-ethyltoluene	1.210	0.15	1	0	121	77.5	133	1.1	9.52	0	
Acetone	1.000	0.30	1	0	100	80.2	145	0.76	27.3	0	
Allyl chloride	1.020	0.15	1	0	102	86.6	117	1.11	8.45	0	
Benzene	1.070	0.15	1	0	107	88.9	122	1.09	1.85	0	
Benzyl chloride	1.180	0.15	1	0	118	73.6	120	1.29	8.91	0	
Bromodichloromethane	1.010	0.15	1	0	101	84.3	133	1.13	11.2	0	
Bromoform	0.9900	0.15	1	0	99.0	44.6	149	1.05	5.88	0	
Bromomethane	0.9600	0.15	1	0	96.0	78.7	144	1.08	11.8	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
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: LaBella Associates, P.C.
Work Order: C2104038
Project: 1500 Jefferson Road

TestCode: 0.20_NYS

Sample ID: **ALCS1UGD-042021** SampType: **LCSD** TestCode: **0.20_NYS** Units: **ppbV** Prep Date: RunNo: **17523**
Client ID: **ZZZZZ** Batch ID: **R17523** TestNo: **TO-15** Analysis Date: **4/20/2021** SeqNo: **198928**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Carbon disulfide	1.000	0.15	1	0	100	76.9	109	1.21	19.0	0	
Carbon tetrachloride	1.000	0.030	1	0	100	71	120	1.12	11.3	0	
Chlorobenzene	1.060	0.15	1	0	106	82.6	121	1.03	2.87	0	
Chloroethane	0.9300	0.15	1	0	93.0	67.1	146	1.02	9.23	0	
Chloroform	1.030	0.15	1	0	103	82.5	125	1.09	5.66	0	
Chloromethane	0.8800	0.15	1	0	88.0	71.1	154	1	12.8	0	
cis-1,2-Dichloroethene	1.030	0.040	1	0	103	71.2	112	1.05	1.92	0	
cis-1,3-Dichloropropene	1.040	0.15	1	0	104	90.3	137	1.11	6.51	0	
Cyclohexane	1.060	0.15	1	0	106	87	122	1.07	0.939	0	
Dibromochloromethane	1.030	0.15	1	0	103	62.8	132	1.08	4.74	0	
Ethyl acetate	1.070	0.15	1	0	107	86.9	134	1.15	7.21	0	
Ethylbenzene	1.150	0.15	1	0	115	76.9	123	1.1	4.44	0	
Freon 11	1.070	0.15	1	0	107	54.4	150	1.01	5.77	0	
Freon 113	1.050	0.15	1	0	105	83.4	124	1.1	4.65	0	
Freon 114	0.9600	0.15	1	0	96.0	82.4	144	1.07	10.8	0	
Freon 12	1.010	0.15	1	0	101	86.3	135	1.11	9.43	0	
Heptane	1.070	0.15	1	0	107	86.5	137	1.1	2.76	0	
Hexachloro-1,3-butadiene	1.320	0.15	1	0	132	78.7	120	1.2	9.52	0	S
Hexane	1.090	0.15	1	0	109	77.3	128	1.09	0	0	
Isopropyl alcohol	1.120	0.15	1	0	112	80.2	122	0.99	12.3	0	
m&p-Xylene	2.350	0.30	2	0	118	77.9	132	2.21	6.14	0	
Methyl Butyl Ketone	1.040	0.30	1	0	104	69.4	131	1.08	3.77	0	
Methyl Ethyl Ketone	1.060	0.30	1	0	106	71.5	117	1.08	1.87	0	
Methyl Isobutyl Ketone	1.030	0.30	1	0	103	63.5	141	1.08	4.74	0	
Methyl tert-butyl ether	1.120	0.15	1	0	112	80.8	113	1.08	3.64	0	
Methylene chloride	1.010	0.15	1	0.11	90.0	87.8	123	1.21	16.0	0	
o-Xylene	1.150	0.15	1	0	115	80.5	139	1.09	5.36	0	
Propylene	1.060	0.15	1	0	106	96.2	135	1.08	1.87	0	
Styrene	1.180	0.15	1	0	118	82.7	138	1.07	9.78	0	
Tetrachloroethylene	1.120	0.15	1	0	112	85.9	122	1.05	6.45	0	
Tetrahydrofuran	1.050	0.15	1	0	105	65.5	134	1.07	1.89	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
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: LaBella Associates, P.C.
Work Order: C2104038
Project: 1500 Jefferson Road

TestCode: 0.20_NYS

Sample ID: ALCS1UGD-042021	SampType: LCSD	TestCode: 0.20_NYS	Units: ppbV	Prep Date:	RunNo: 17523
Client ID: ZZZZZ	Batch ID: R17523	TestNo: TO-15		Analysis Date: 4/20/2021	SeqNo: 198928

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	1.150	0.15	1	0	115	77.8	127	1.08	6.28	0	
trans-1,2-Dichloroethene	1.020	0.15	1	0	102	83.3	116	1.07	4.78	0	
trans-1,3-Dichloropropene	1.040	0.15	1	0	104	84.8	134	1.15	10.0	0	
Trichloroethene	1.050	0.030	1	0	105	79.3	117	1.06	0.948	0	
Vinyl acetate	1.050	0.15	1	0	105	70.5	101	1.07	1.89	0	S
Vinyl Bromide	1.160	0.15	1	0	116	81.4	142	1.03	11.9	0	
Vinyl chloride	0.9100	0.040	1	0	91.0	70.4	138	0.98	7.41	0	

Sample ID: ALCS1UGD-042121	SampType: LCSD	TestCode: 0.20_NYS	Units: ppbV	Prep Date:	RunNo: 17524
Client ID: ZZZZZ	Batch ID: R17524	TestNo: TO-15		Analysis Date: 4/21/2021	SeqNo: 198945

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	1.230	0.15	1	0	123	91.3	127	1.24	0.810	0	
1,1,2,2-Tetrachloroethane	1.230	0.15	1	0	123	78.7	121	1.22	0.816	0	S
1,1,2-Trichloroethane	1.180	0.15	1	0	118	88.1	136	1.18	0	0	
1,1-Dichloroethane	1.120	0.15	1	0	112	86.1	123	1.11	0.897	0	
1,1-Dichloroethene	1.010	0.040	1	0	101	70	94	0.97	4.04	0	S
1,2,4-Trichlorobenzene	1.330	0.15	1	0	133	76.7	112	1.5	12.0	0	S
1,2,4-Trimethylbenzene	1.200	0.15	1	0	120	74.3	123	1.2	0	0	
1,2-Dibromoethane	1.160	0.15	1	0	116	80.4	125	1.19	2.55	0	
1,2-Dichlorobenzene	1.280	0.15	1	0	128	79.5	143	1.35	5.32	0	
1,2-Dichloroethane	1.130	0.15	1	0	113	70.9	133	1.12	0.889	0	
1,2-Dichloropropane	1.190	0.15	1	0	119	91	134	1.21	1.67	0	
1,3,5-Trimethylbenzene	1.290	0.15	1	0	129	77.4	138	1.28	0.778	0	
1,3-butadiene	1.080	0.15	1	0	108	71	144	1.07	0.930	0	
1,3-Dichlorobenzene	1.180	0.15	1	0	118	84.7	128	1.23	4.15	0	
1,4-Dichlorobenzene	1.260	0.15	1	0	126	77.9	131	1.29	2.35	0	
1,4-Dioxane	1.230	0.30	1	0	123	85.1	135	1.22	0.816	0	
2,2,4-trimethylpentane	1.160	0.15	1	0	116	86.9	126	1.17	0.858	0	
4-ethyltoluene	1.270	0.15	1	0	127	77.5	133	1.27	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
- 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: LaBella Associates, P.C.
Work Order: C2104038
Project: 1500 Jefferson Road

TestCode: 0.20_NYS

Sample ID: **ALCS1UGD-042121** SampType: **LCSD** TestCode: **0.20_NYS** Units: **ppbV** Prep Date: RunNo: **17524**
Client ID: **ZZZZZ** Batch ID: **R17524** TestNo: **TO-15** Analysis Date: **4/21/2021** SeqNo: **198945**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acetone	1.130	0.30	1	0	113	80.2	145	1.11	1.79	0	
Allyl chloride	1.120	0.15	1	0	112	86.6	117	1.11	0.897	0	
Benzene	1.150	0.15	1	0	115	88.9	122	1.13	1.75	0	
Benzyl chloride	1.320	0.15	1	0	132	73.6	120	1.4	5.88	0	S
Bromodichloromethane	1.210	0.15	1	0	121	84.3	133	1.23	1.64	0	
Bromoform	1.110	0.15	1	0	111	44.6	149	1.17	5.26	0	
Bromomethane	1.120	0.15	1	0	112	78.7	144	1.11	0.897	0	
Carbon disulfide	1.120	0.15	1	0	112	76.9	109	1.12	0	0	S
Carbon tetrachloride	1.200	0.030	1	0	120	71	120	1.24	3.28	0	
Chlorobenzene	1.130	0.15	1	0	113	82.5	121	1.15	1.75	0	
Chloroethane	1.060	0.15	1	0	106	67.1	146	1.07	0.939	0	
Chloroform	1.130	0.15	1	0	113	82.5	125	1.11	1.79	0	
Chloromethane	1.060	0.15	1	0	106	71.1	154	1.02	3.85	0	
cis-1,2-Dichloroethene	1.100	0.040	1	0	110	71.2	112	1.05	4.65	0	
cis-1,3-Dichloropropene	1.180	0.15	1	0	118	90.3	137	1.22	3.33	0	
Cyclohexane	1.140	0.15	1	0	114	87	122	1.14	0	0	
Dibromochloromethane	1.160	0.15	1	0	116	62.8	132	1.23	5.86	0	
Ethyl acetate	1.160	0.15	1	0	116	86.9	134	1.13	2.62	0	
Ethylbenzene	1.180	0.15	1	0	118	76.9	123	1.19	0.844	0	
Freon 11	1.050	0.15	1	0	105	54.4	150	1.18	11.7	0	
Freon 113	1.160	0.15	1	0	116	83.4	124	1.13	2.62	0	
Freon 114	1.130	0.15	1	0	113	82.4	144	1.12	0.889	0	
Freon 12	1.200	0.15	1	0	120	86.3	135	1.17	2.53	0	
Heptane	1.220	0.15	1	0	122	86.5	137	1.2	1.65	0	
Hexachloro-1,3-butadiene	1.440	0.15	1	0	144	78.7	120	1.5	4.08	0	S
Hexane	1.110	0.15	1	0	111	77.3	128	1.08	2.74	0	
Isopropyl alcohol	1.260	0.15	1	0	126	80.2	122	1.19	5.71	0	S
m&p-Xylene	2.500	0.30	2	0	125	77.9	132	2.55	1.98	0	
Methyl Butyl Ketone	1.150	0.30	1	0	115	69.4	131	1.19	3.42	0	
Methyl Ethyl Ketone	1.090	0.30	1	0	109	71.5	117	1.05	3.74	0	
Methyl Isobutyl Ketone	1.160	0.30	1	0	116	63.5	141	1.2	3.39	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
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: LaBella Associates, P.C.
Work Order: C2104038
Project: 1500 Jefferson Road

TestCode: 0.20_NYS

Sample ID: **ALCS1UGD-042121** SampType: **LCSD** TestCode: **0.20_NYS** Units: **ppbV** Prep Date: RunNo: **17524**
Client ID: **ZZZZZ** Batch ID: **R17524** TestNo: **TO-15** Analysis Date: **4/21/2021** SeqNo: **198945**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether	1.080	0.15	1	0	108	80.8	113	1.03	4.74	0	
Methylene chloride	1.130	0.15	1	0	113	87.8	123	1.14	0.881	0	
o-Xylene	1.290	0.15	1	0	129	80.5	139	1.3	0.772	0	
Propylene	1.190	0.15	1	0	119	96.2	135	1.09	8.77	0	
Styrene	1.270	0.15	1	0	127	82.7	138	1.28	0.784	0	
Tetrachloroethylene	1.180	0.15	1	0	118	85.9	122	1.21	2.51	0	
Tetrahydrofuran	1.120	0.15	1	0	112	65.5	134	1.06	5.50	0	
Toluene	1.150	0.15	1	0	115	77.8	127	1.19	3.42	0	
trans-1,2-Dichloroethene	1.110	0.15	1	0	111	83.3	116	1.08	2.74	0	
trans-1,3-Dichloropropene	1.130	0.15	1	0	113	84.8	134	1.13	0	0	
Trichloroethene	1.160	0.030	1	0	116	79.3	117	1.17	0.858	0	
Vinyl acetate	1.080	0.15	1	0	108	70.5	101	1.02	5.71	0	S
Vinyl Bromide	1.050	0.15	1	0	105	81.4	142	1.08	2.82	0	
Vinyl chloride	1.050	0.040	1	0	105	70.4	138	1.01	3.88	0	

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		

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AS042017.D Vial: 1
Acq On : 20 Apr 2021 11:44 pm Operator: RJP
Sample : ALCS1UGD-042021 Inst : MSD #1
Misc : A317_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 21 08:14:47 2021 Quant Results File: A317_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A317_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Mon Apr 12 12:02:39 2021
Response via : Initial Calibration
DataAcq Meth : 1UG_ENT

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	9.82	128	97213	1.00	ppb		0.01
35) 1,4-difluorobenzene	12.11	114	368856	1.00	ppb		0.00
50) Chlorobenzene-d5	16.92	117	344102	1.00	ppb		0.00
System Monitoring Compounds							
65) Bromofluorobenzene	18.71	95	274136	1.05	ppb		0.05
Spiked Amount 1.000	Range 70 - 130		Recovery = 105.00%				
Target Compounds							Qvalue
2) Propylene	4.17	41	75680	1.06	ppb		92
3) Freon 12	4.22	85	366680	1.01	ppb		98
4) Chloromethane	4.42	50	77367	0.88	ppb		100
5) Freon 114	4.42	85	275352	0.96	ppb		100
6) Vinyl Chloride	4.61	62	80434	0.91	ppb		94
7) Butane	4.71	43	91065	0.93	ppb		95
8) 1,3-butadiene	4.71	39	64342	0.93	ppb		94
9) Bromomethane	5.06	94	104087	0.96	ppb		98
10) Chloroethane	5.24	64	37657	0.93	ppb		95
11) Ethanol	5.32	45	18892	0.71	ppb		81
12) Acrolein	5.91	56	36837	0.97	ppb	#	75
13) Vinyl Bromide	5.57	106	130869	1.16	ppb		98
14) Freon 11	5.85	101	425786	1.07	ppb		99
15) Acetone	6.02	58	59558m	1.00	ppb		
16) Pentane	6.13	42	108456	1.07	ppb		98
17) Isopropyl alcohol	6.12	45	170698	1.12	ppb		99
18) 1,1-dichloroethene	6.62	96	124389	0.98	ppb		91
19) Freon 113	6.82	101	318472	1.05	ppb		99
20) t-Butyl alcohol	6.84	59	210246	1.08	ppb	#	87
21) Methylene chloride	7.07	84	127355	1.01	ppb		98
22) Allyl chloride	7.05	41	117883	1.02	ppb		96
23) Carbon disulfide	7.23	76	376218	1.00	ppb		97
24) trans-1,2-dichloroethene	8.01	61	173759	1.02	ppb		97
25) methyl tert-butyl ether	8.02	73	300595	1.12	ppb		87
26) 1,1-dichloroethane	8.44	63	237466	1.02	ppb		97
27) Vinyl acetate	8.42	43	198902	1.05	ppb		99
28) Methyl Ethyl Ketone	8.92	72	54807	1.06	ppb	#	100
29) cis-1,2-dichloroethene	9.37	61	157890	1.03	ppb		98
30) Hexane	8.98	57	167483	1.09	ppb		90
31) Ethyl acetate	9.52	43	229413	1.07	ppb		99
32) Chloroform	9.98	83	317527	1.03	ppb		99
33) Tetrahydrofuran	10.14	42	95902	1.05	ppb		95
34) 1,2-dichloroethane	11.09	62	195239	1.05	ppb		99
36) 1,1,1-trichloroethane	10.81	97	321339	1.06	ppb		99
37) Cyclohexane	11.52	56	148690	1.06	ppb		86
38) Carbon tetrachloride	11.46	117	337882	1.00	ppb		100
39) Benzene	11.42	78	380280	1.07	ppb		98
40) Methyl methacrylate	12.99	41	133668	1.07	ppb		95
41) 1,4-dioxane	13.01	88	84898	1.10	ppb		98
42) 2,2,4-trimethylpentane	12.29	57	496207	1.05	ppb		92
43) Heptane	12.63	43	163521	1.07	ppb		97
44) Trichloroethene	12.76	130	197757	1.05	ppb		98
45) 1,2-dichloropropane	12.87	63	140003	1.01	ppb		98

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\AS042017.D Vial: 1
Acq On : 20 Apr 2021 11:44 pm Operator: RJP
Sample : ALCS1UGD-042021 Inst : MSD #1
Misc : A317_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 21 08:14:47 2021 Quant Results File: A317_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A317_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Mon Apr 12 12:02:39 2021
Response via : Initial Calibration
DataAcq Meth : 1UG_ENT

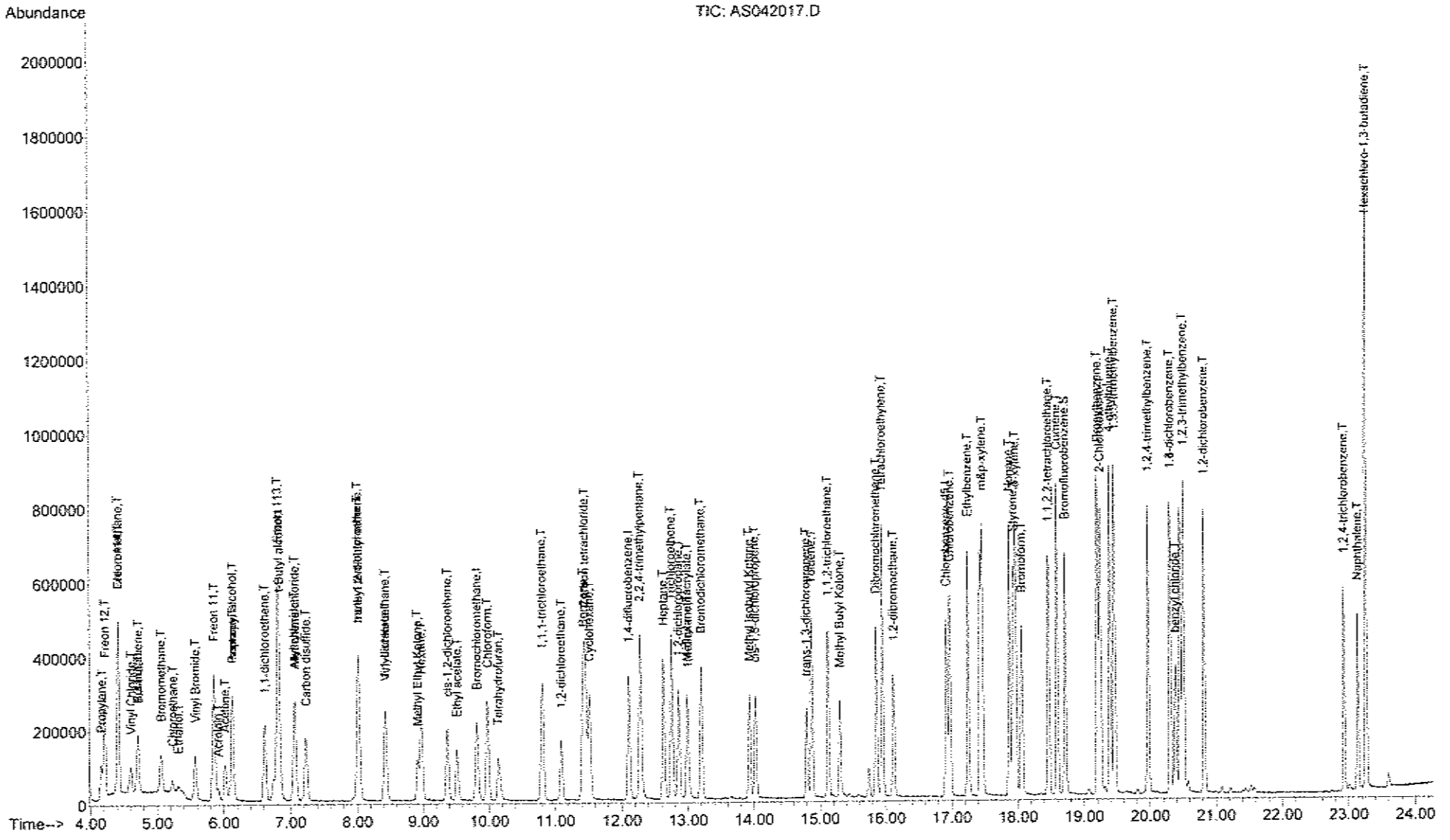
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46)	Bromodichloromethane	13.20	83	310007	1.01	ppb		100
47)	cis-1,3-dichloropropene	14.03	75	203330	1.04	ppb		98
48)	trans-1,3-dichloropropene	14.80	75	167558m	1.04	ppb		
49)	1,1,2-trichloroethane	15.13	97	179224	1.02	ppb		99
51)	Toluene	14.88	92	264103	1.15	ppb		100
52)	Methyl Isobutyl Ketone	13.93	43	219230	1.03	ppb		91
53)	Dibromochloromethane	15.85	129	320378	1.03	ppb		99
54)	Methyl Butyl Ketone	15.30	43	201772	1.04	ppb		88
55)	1,2-dibromoethane	16.12	107	277393	1.06	ppb		98
56)	Tetrachloroethylene	15.95	164	212674	1.12	ppb		97
57)	Chlorobenzene	16.97	112	387158	1.06	ppb		100
58)	Ethylbenzene	17.25	91	555657	1.15	ppb		100
59)	m&p-xylene	17.46	91	966808	2.35	ppb		99
60)	Nonane	17.88	43	258558	1.07	ppb		91
61)	Styrene	17.94	104	394230	1.18	ppb		95
62)	Bromoform	18.06	173	292137	0.99	ppb		99
63)	o-xylene	17.97	91	553553	1.15	ppb		98
64)	Cumene	18.59	105	665567	1.16	ppb		98
66)	1,1,2,2-tetrachloroethane	18.46	83	408438	1.05	ppb		99
67)	Propylbenzene	19.21	120	187001	1.16	ppb		78
68)	2-Chlorotoluene	19.25	126	205191	1.15	ppb	#	86
69)	4-ethyltoluene	19.39	105	699920	1.21	ppb		98
70)	1,3,5-trimethylbenzene	19.46	105	637083m	1.22	ppb		
71)	1,2,4-trimethylbenzene	19.97	105	537584	1.18	ppb		99
72)	1,3-dichlorobenzene	20.30	146	427156	1.12	ppb		100
73)	benzyl chloride	20.39	91	316553	1.18	ppb		97
74)	1,4-dichlorobenzene	20.30	146	441044	1.20	ppb		99
75)	1,2,3-trimethylbenzene	20.51	105	591061	1.19	ppb		98
76)	1,2-dichlorobenzene	20.82	146	403330	1.18	ppb		99
77)	1,2,4-trichlorobenzene	22.93	180	204612m	1.32	ppb		
78)	Naphthalene	23.14	128	445578	1.27	ppb		98
79)	Hexachloro-1,3-butadiene	23.26	225	373978	1.32	ppb		100

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AS042017.D Vial: 1
Acq On : 20 Apr 2021 11:44 pm Operator: RJP
Sample : ALCS1UGD-042021 Inst : MSD #1
Misc : A317_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 21 8:16 2021 Quant Results File: A317_1UG.RES

Method : C:\HPCHEM\1\METHODS\A317_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed May 05 08:06:45 2021
Response via : Initial Calibration



AS042017.D A317_1UG.M Wed May 05 08:21:17 2021 MSD1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AS042117.D Vial: 1
Acq On : 21 Apr 2021 11:09 pm Operator: WD
Sample : ALCS1UGD-042121 Inst : MSD #1
Misc : A317_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 22 11:57:07 2021 Quant Results File: A317_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A317_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Mon Apr 12 12:02:39 2021
Response via : Initial Calibration
DataAcq Meth : 1UG_ENT

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	9.82	128	80819	1.00	ppb		0.00
35) 1,4-difluorobenzene	12.11	114	281357	1.00	ppb		0.00
50) Chlorobenzene-d5	16.92	117	267874	1.00	ppb		0.00
System Monitoring Compounds							
65) Bromofluorobenzene	18.72	95	228714	1.13	ppb		0.06
Spiked Amount 1.000	Range 70 - 130		Recovery = 113.00%				
Target Compounds							Qvalue
2) Propylene	4.17	41	71122	1.19	ppb		95
3) Freon 12	4.22	85	363615	1.20	ppb		98
4) Chloromethane	4.42	50	77243	1.06	ppb		99
5) Freon 114	4.42	85	271096	1.13	ppb		99
6) Vinyl Chloride	4.61	62	77183	1.05	ppb		96
7) Butane	4.72	43	84978	1.04	ppb		99
8) 1,3-butadiene	4.71	39	62470	1.08	ppb		90
9) Bromomethane	5.07	94	101272	1.12	ppb		100
10) Chloroethane	5.24	64	35593	1.06	ppb		97
11) Ethanol	5.34	45	18101	0.82	ppb		77
12) Acrolein	5.91	56	23885	0.76	ppb	#	74
13) Vinyl Bromide	5.58	106	98951	1.05	ppb		97
14) Freon 11	5.85	101	347457	1.05	ppb		99
15) Acetone	6.01	58	55930m	1.13	ppb		
16) Pentane	6.13	42	107926	1.28	ppb		97
17) Isopropyl alcohol	6.12	45	160886	1.26	ppb		98
18) 1,1-dichloroethene	6.62	96	106004	1.01	ppb	#	86
19) Freon 113	6.81	101	292746	1.16	ppb		96
20) t-Butyl alcohol	6.84	59	180308	1.12	ppb	#	79
21) Methylene chloride	7.08	84	118950	1.13	ppb		94
22) Allyl chloride	7.06	41	107979	1.12	ppb		98
23) Carbon disulfide	7.24	76	348982	1.12	ppb		97
24) trans-1,2-dichloroethene	8.01	61	157217	1.11	ppb		94
25) methyl tert-butyl ether	8.03	73	239885	1.08	ppb		76
26) 1,1-dichloroethane	8.44	63	216176	1.12	ppb		99
27) Vinyl acetate	8.42	43	169976	1.08	ppb		96
28) Methyl Ethyl Ketone	8.92	72	47155	1.09	ppb	#	100
29) cis-1,2-dichloroethene	9.38	61	139680	1.10	ppb		95
30) Hexane	8.98	57	141424	1.11	ppb	#	81
31) Ethyl acetate	9.52	43	206346	1.16	ppb		97
32) Chloroform	9.99	83	289503	1.13	ppb		100
33) Tetrahydrofuran	10.15	42	84989	1.12	ppb		87
34) 1,2-dichloroethane	11.10	62	175150	1.13	ppb		100
36) 1,1,1-trichloroethane	10.81	97	284858	1.23	ppb		98
37) Cyclohexane	11.52	56	122549	1.14	ppb		84
38) Carbon tetrachloride	11.46	117	310727	1.20	ppb		97
39) Benzene	11.42	78	311236	1.15	ppb		99
40) Methyl methacrylate	13.00	41	115692	1.21	ppb		91
41) 1,4-dioxane	13.01	88	72434	1.23	ppb		95
42) 2,2,4-trimethylpentane	12.29	57	421409	1.16	ppb		86
43) Heptane	12.64	43	142626	1.22	ppb		93
44) Trichloroethene	12.76	130	166638	1.16	ppb		98
45) 1,2-dichloropropane	12.87	63	125062	1.19	ppb		98

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\AS042117.D Vial: 1
Acq On : 21 Apr 2021 11:09 pm Operator: WD
Sample : ALCS1UGD-042121 Inst : MSD #1
Misc : A317_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 22 11:57:07 2021 Quant Results File: A317_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A317_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Mon Apr 12 12:02:39 2021
Response via : Initial Calibration
DataAcq Meth : 1UG_ENT

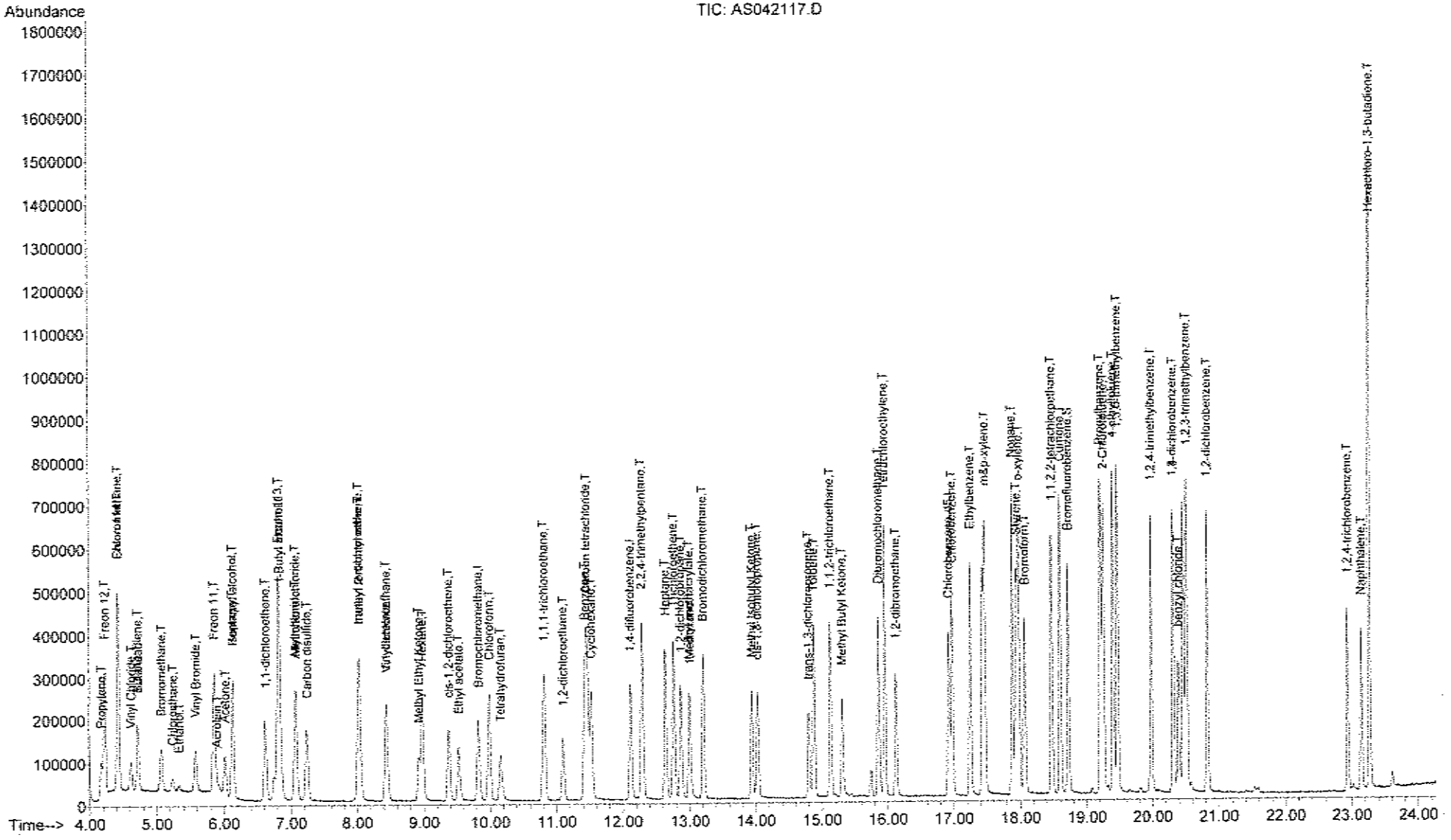
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46)	Bromodichloromethane	13.20	83	282662	1.21	ppb		100
47)	cis-1,3-dichloropropene	14.02	75	175981	1.18	ppb		98
48)	trans-1,3-dichloropropene	14.80	75	138276m	1.13	ppb		
49)	1,1,2-trichloroethane	15.13	97	157528	1.18	ppb		98
51)	Toluene	14.88	92	205954	1.15	ppb		98
52)	Methyl Isobutyl Ketone	13.94	43	192913	1.16	ppb		88
53)	Dibromochloromethane	15.86	129	278631	1.16	ppb		99
54)	Methyl Butyl Ketone	15.31	43	174988	1.15	ppb		83
55)	1,2-dibromoethane	16.13	107	235916	1.16	ppb		99
56)	Tetrachloroethylene	15.95	164	174070	1.18	ppb		96
57)	Chlorobenzene	16.97	112	321706	1.13	ppb		98
58)	Ethylbenzene	17.25	91	445632	1.18	ppb		97
59)	m&p-xylene	17.47	91	802561	2.50	ppb		98
60)	Nonane	17.88	43	240406	1.28	ppb		85
61)	Styrene	17.94	104	331443	1.27	ppb		93
62)	Bromoform	18.06	173	256202	1.11	ppb		100
63)	o-xylene	17.98	91	480477	1.29	ppb		98
64)	Cumene	18.60	105	530347	1.19	ppb		97
66)	1,1,2,2-tetrachloroethane	18.47	83	375237	1.23	ppb		98
67)	Propylbenzene	19.21	120	148969	1.18	ppb		68
68)	2-Chlorotoluene	19.25	126	173000	1.25	ppb	#	85
69)	4-ethyltoluene	19.40	105	569089	1.27	ppb		99
70)	1,3,5-trimethylbenzene	19.47	105	525311m	1.29	ppb		
71)	1,2,4-trimethylbenzene	19.98	105	426908	1.20	ppb		98
72)	1,3-dichlorobenzene	20.31	146	347872	1.18	ppb		99
73)	benzyl chloride	20.39	91	275748	1.32	ppb		97
74)	1,4-dichlorobenzene	20.31	146	361714	1.26	ppb		100
75)	1,2,3-trimethylbenzene	20.51	105	485890	1.26	ppb		98
76)	1,2-dichlorobenzene	20.82	146	340774	1.28	ppb		99
77)	1,2,4-trichlorobenzene	22.93	180	161447	1.33	ppb		99
78)	Naphthalene	23.14	128	346961	1.27	ppb		100
79)	Hexachloro-1,3-butadiene	23.26	225	316793	1.44	ppb		100

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AS042117.D Vial: 1
Acq On : 21 Apr 2021 11:09 pm Operator: WD
Sample : ALCS1UGD-042121 Inst : MSD #1
Misc : A317_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 22 12:27 2021 Quant Results File: A317_1UG.RES

Method : C:\HPCHEM\1\METHODS\A317_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed May 05 08:06:45 2021
Response via : Initial Calibration



AS042117.D A317_1UG.M Wed May 05 08:21:26 2021 MSD1

CENTEK LABORATORIES, LLC

ANALYTICAL QC SUMMARY REPORT

CLIENT: LaBella Associates, P.C.
Work Order: C2104038
Project: 1500 Jefferson Road

TestCode: 0.20_NYS

Sample ID: **C2104038-001A MS** SampType: **MS** TestCode: **0.20_NYS** Units: **ppbV** Prep Date: RunNo: **17523**
Client ID: **IAQ-09 (4/15/21)** Batch ID: **R17523** TestNo: **TO-15** Analysis Date: **4/20/2021** SeqNo: **198930**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	1.020	0.15	1	0	102	68.1	117				
1,1,2,2-Tetrachloroethane	0.9400	0.15	1	0	94.0	82.3	101				
1,1,2-Trichloroethane	0.9100	0.15	1	0	91.0	61	128				
1,1-Dichloroethane	0.9400	0.15	1	0	94.0	76.5	118				
1,1-Dichloroethene	0.9400	0.040	1	0	94.0	45.8	128				
1,2,4-Trichlorobenzene	2.430	0.15	1	0	243	70	130				S
1,2,4-Trimethylbenzene	1.580	0.15	1	0	158	81.5	155				S
1,2-Dibromoethane	0.9900	0.15	1	0	99.0	78.7	107				
1,2-Dichlorobenzene	1.250	0.15	1	0	125	57.2	175				
1,2-Dichloroethane	0.9800	0.15	1	0	98.0	65.1	130				
1,2-Dichloropropane	0.9100	0.15	1	0	91.0	69.9	116				
1,3,5-Trimethylbenzene	1.410	0.15	1	0	141	67.6	139				S
1,3-butadiene	1.440	0.15	1	0	144	70	130				S
1,3-Dichlorobenzene	1.130	0.15	1	0	113	89.1	122				
1,4-Dichlorobenzene	1.160	0.15	1	0	116	86.8	114				S
1,4-Dioxane	1.170	0.30	1	0	117	75.1	114				S
2,2,4-trimethylpentane	1.010	0.15	1	0	101	84.2	113				
4-ethyltoluene	0.1700	0.15	1	0	17.0	70	130				S
Acetone	12.67	0.30	1	0	1270	70	130				S
Allyl chloride	0.9900	0.15	1	0	99.0	70	130				
Benzene	1.380	0.15	1	0	138	72.7	133				S
Benzyl chloride	1.480	0.15	1	0	148	72.5	129				S
Bromodichloromethane	0.9800	0.15	1	0	98.0	69.4	112				
Bromoform	1.010	0.15	1	0	101	42.5	110				
Bromomethane	0.9500	0.15	1	0	95.0	68.6	121				

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
- 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: LaBella Associates, P.C.
Work Order: C2104038
Project: 1500 Jefferson Road

TestCode: 0.20_NYS

Sample ID: **C2104038-001A MS** SampType: **MS** TestCode: **0.20_NYS** Units: **ppbV** Prep Date: RunNo: **17523**
Client ID: **IAQ-09 (4/15/21)** Batch ID: **R17523** TestNo: **TO-15** Analysis Date: **4/20/2021** SeqNo: **198930**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Carbon disulfide	0.9800	0.15	1	0	98.0	70	130				
Carbon tetrachloride	1.070	0.030	1	0	107	61	107				
Chlorobenzene	0.9700	0.15	1	0	97.0	76.1	111				
Chloroethane	0.8600	0.15	1	0	86.0	62.6	119				
Chloroform	1.030	0.15	1	0	103	6.54	173				
Chloromethane	1.180	0.15	1	0	118	54.4	125				
cis-1,2-Dichloroethene	0.9800	0.040	1	0	98.0	60.1	121				
cis-1,3-Dichloropropene	0.9900	0.15	1	0	99.0	60.8	122				
Cyclohexane	1.360	0.15	1	0	136	59.4	148				
Dibromochloromethane	1.010	0.15	1	0	101	71.6	102				
Ethyl acetate	15.38	0.15	1	0	1540	49.3	146				S
Ethylbenzene	1.190	0.15	1	0	119	68.5	129				
Freon 11	0.9600	0.15	1	0	96.0	44.8	143				
Freon 113	1.030	0.15	1	0	103	80.3	125				
Freon 114	0.8800	0.15	1	0	88.0	65.2	132				
Freon 12	1.330	0.15	1	0	133	67.4	103				S
Heptane	2.860	0.15	1	0	286	80.8	124				S
Hexachloro-1,3-butadiene	1.410	0.15	1	0	141	81.9	119				S
Hexane	10.95	0.15	1	0	1100	73.7	147				S
Isopropyl alcohol	208.6	0.15	1	0	20900	70	130				S
m&p-Xylene	2.610	0.30	2	0	130	74.2	123				S
Methyl Butyl Ketone	1.070	0.30	1	0	107	72.6	117				
Methyl Ethyl Ketone	18.41	0.30	1	0	1840	59.4	135				S
Methyl Isobutyl Ketone	1.090	0.30	1	0	109	61	120				
Methyl tert-butyl ether	0.9600	0.15	1	0	96.0	63.6	134				
Methylene chloride	2.300	0.15	1	0	230	53.4	125				S
o-Xylene	1.220	0.15	1	0	122	74.3	132				
Propylene	26.34	0.15	1	0	2630	70	130				S
Styrene	1.130	0.15	1	0	113	82.4	118				
Tetrachloroethylene	1.140	0.15	1	0	114	86.2	112				S
Tetrahydrofuran	324.4	0.15	1	0	32400	70	130				S

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
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

Sample ID: C2104038-001A MS SampType: MS TestCode: 0.20_NYS Units: ppbV Prep Date: RunNo: 17523
Client ID: IAQ-09 (4/15/21) Batch ID: R17523 TestNo: TO-15 Analysis Date: 4/20/2021 SeqNo: 198930

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	1.770	0.15	1	0	177	70	130				S
trans-1,2-Dichloroethene	1.130	0.15	1	0	113	70.9	132				
trans-1,3-Dichloropropene	1.050	0.15	1	0	105	51.9	133				
Trichloroethene	1.390	0.030	1	0	139	63.1	109				S
Vinyl acetate	1.090	0.15	1	0	109	17.3	187				
Vinyl Bromide	0.9000	0.15	1	0	90.0	71.3	121				
Vinyl chloride	0.8500	0.040	1	0	85.0	63.2	114				

Sample ID: C2104038-001A MS SampType: MSD TestCode: 0.20_NYS Units: ppbV Prep Date: RunNo: 17523
Client ID: IAQ-09 (4/15/21) Batch ID: R17523 TestNo: TO-15 Analysis Date: 4/20/2021 SeqNo: 198931

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	0.9700	0.15	1	0	97.0	68.1	117	1.02	5.03	0	
1,1,2,2-Tetrachloroethane	0.9400	0.15	1	0	94.0	82.3	101	0.94	0	0	
1,1,2-Trichloroethane	0.8900	0.15	1	0	89.0	61	128	0.91	2.22	0	
1,1-Dichloroethane	0.9400	0.15	1	0	94.0	76.5	118	0.94	0	0	
1,1-Dichloroethene	0.9800	0.040	1	0	98.0	45.8	128	0.94	4.17	0	
1,2,4-Trichlorobenzene	2.340	0.15	1	0	234	30.3	262	2.43	3.77	0	
1,2,4-Trimethylbenzene	1.580	0.15	1	0	158	81.5	155	1.58	0	0	S
1,2-Dibromoethane	0.9700	0.15	1	0	97.0	78.7	107	0.99	2.04	0	
1,2-Dichlorobenzene	1.240	0.15	1	0	124	57.2	175	1.25	0.803	0	
1,2-Dichloroethane	1.000	0.15	1	0	100	65.1	130	0.98	2.02	0	
1,2-Dichloropropane	0.8600	0.15	1	0	86.0	69.9	116	0.91	5.65	0	
1,3,5-Trimethylbenzene	1.420	0.15	1	0	142	67.6	139	1.41	0.707	0	S
1,3-butadiene	1.100	0.15	1	0	110	70	404	1.44	26.8	0	
1,3-Dichlorobenzene	1.170	0.15	1	0	117	89.1	122	1.13	3.48	0	
1,4-Dichlorobenzene	1.240	0.15	1	0	124	86.8	114	1.16	6.67	0	S
1,4-Dioxane	1.190	0.30	1	0	119	75.1	114	1.17	1.69	0	S
2,2,4-trimethylpentane	1.000	0.15	1	0	100	84.2	113	1.01	0.995	0	
4-ethyltoluene	0.1500	0.15	1	0	15.0	70	130	0.17	12.5	0	S

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
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: LaBella Associates, P.C.
Work Order: C2104038
Project: 1500 Jefferson Road

TestCode: 0.20_NYS

Sample ID: **C2104038-001A MS** SampType: **MSD** TestCode: **0.20_NYS** Units: **ppbV** Prep Date: RunNo: **17523**
Client ID: **IAQ-09 (4/15/21)** Batch ID: **R17523** TestNo: **TO-15** Analysis Date: **4/20/2021** SeqNo: **198931**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acetone	11.81	0.30	1	0	1180	70	130	12.67	7.03	0	S
Allyl chloride	1.030	0.15	1	0	103	49.7	155	0.99	3.96	0	
Benzene	1.290	0.15	1	0	129	72.7	133	1.38	6.74	0	
Benzyl chloride	1.510	0.15	1	0	151	72.5	129	1.48	2.01	0	S
Bromodichloromethane	0.9200	0.15	1	0	92.0	69.4	112	0.98	6.32	0	
Bromoform	0.9700	0.15	1	0	97.0	42.5	110	1.01	4.04	0	
Bromomethane	0.9400	0.15	1	0	94.0	68.6	121	0.95	1.06	0	
Carbon disulfide	1.000	0.15	1	0	100	70	130	0.98	2.02	0	
Carbon tetrachloride	1.010	0.030	1	0	101	61	107	1.07	5.77	0	
Chlorobenzene	0.9800	0.15	1	0	98.0	76.1	111	0.97	1.03	0	
Chloroethane	0.8300	0.15	1	0	83.0	62.6	119	0.86	3.55	0	
Chloroform	1.050	0.15	1	0	105	6.54	173	1.03	1.92	0	
Chloromethane	1.140	0.15	1	0	114	54.4	125	1.18	3.45	0	
cis-1,2-Dichloroethene	1.000	0.040	1	0	100	60.1	121	0.98	2.02	0	
cis-1,3-Dichloropropene	0.9800	0.15	1	0	98.0	60.8	122	0.99	1.02	0	
Cyclohexane	1.280	0.15	1	0	128	59.4	148	1.36	6.06	0	
Dibromochloromethane	0.9700	0.15	1	0	97.0	71.6	102	1.01	4.04	0	
Ethyl acetate	14.17	0.15	1	0	1420	49.3	146	15.38	8.19	0	S
Ethylbenzene	1.220	0.15	1	0	122	68.5	129	1.19	2.49	0	
Freon 11	0.9400	0.15	1	0	94.0	44.8	143	0.96	2.11	0	
Freon 113	1.040	0.15	1	0	104	80.3	125	1.03	0.966	0	
Freon 114	0.8800	0.15	1	0	88.0	65.2	132	0.88	0	0	
Freon 12	1.290	0.15	1	0	129	67.4	103	1.33	3.05	0	S
Heptane	2.550	0.15	1	0	255	80.8	124	2.86	11.5	0	S
Hexachloro-1,3-butadiene	1.340	0.15	1	0	134	81.9	119	1.41	5.09	0	S
Hexane	10.24	0.15	1	0	1020	73.7	147	10.95	6.70	0	S
Isopropyl alcohol	188.2	0.15	1	0	18800	70	130	208.6	10.3	0	S
m&p-Xylene	2.560	0.30	2	0	128	74.2	123	2.61	1.93	0	S
Methyl Butyl Ketone	1.090	0.30	1	0	109	72.6	117	1.07	1.85	0	
Methyl Ethyl Ketone	17.14	0.30	1	0	1710	59.4	135	18.41	7.14	0	S
Methyl Isobutyl Ketone	1.120	0.30	1	0	112	61	120	1.09	2.71	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
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: LaBella Associates, P.C.
Work Order: C2104038
Project: 1500 Jefferson Road

TestCode: 0.20_NYS

Sample ID: C2104038-001A MS	SampType: MSD	TestCode: 0.20_NYS	Units: ppbV	Prep Date:	RunNo: 17523
Client ID: IAQ-09 (4/15/21)	Batch ID: R17523	TestNo: TO-15		Analysis Date: 4/20/2021	SeqNo: 198931

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether	1.110	0.15	1	0	111	63.6	134	0.96	14.5	0	
Methylene chloride	2.240	0.15	1	0	224	53.4	125	2.3	2.64	0	S
o-Xylene	1.180	0.15	1	0	118	74.3	132	1.22	3.33	0	
Propylene	24.31	0.15	1	0	2430	70	130	26.34	8.02	0	S
Styrene	1.110	0.15	1	0	111	82.4	118	1.13	1.79	0	
Tetrachloroethylene	1.120	0.15	1	0	112	86.2	112	1.14	1.77	0	S
Tetrahydrofuran	301.0	0.15	1	0	30100	70	130	324.4	7.48	0	S
Toluene	1.680	0.15	1	0	168	70	130	1.77	5.22	0	S
trans-1,2-Dichloroethene	1.130	0.15	1	0	113	70.9	132	1.13	0	0	
trans-1,3-Dichloropropene	1.050	0.15	1	0	105	51.9	133	1.05	0	0	
Trichloroethene	1.320	0.030	1	0	132	63.1	109	1.39	5.17	0	S
Vinyl acetate	1.150	0.15	1	0	115	70	130	1.09	5.36	0	
Vinyl Bromide	0.8700	0.15	1	0	87.0	70	130	0.9	3.39	0	
Vinyl chloride	0.8100	0.040	1	0	81.0	63.2	114	0.85	4.82	0	

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		

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AS042008.D Vial: 13
Acq On : 20 Apr 2021 4:57 pm Operator: RJP
Sample : C2104038-001A MS Inst : MSD #1
Misc : A317_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 21 12:59:05 2021 Quant Results File: A317_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A317_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Mon Apr 12 12:02:39 2021
Response via : Initial Calibration
DataAcq Meth : 1UG_ENT

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	9.84	128	107899	1.00	ppb		0.02
35) 1,4-difluorobenzene	12.12	114	407153	1.00	ppb		0.01
50) Chlorobenzene-d5	16.92	117	386676	1.00	ppb		0.00
System Monitoring Compounds							
65) Bromofluorobenzene	18.72	95	305622	1.05	ppb		0.05
Spiked Amount 1.000	Range 70 - 130		Recovery = 105.00%				
Target Compounds							Qvalue
2) Propylene	4.17	41	2094875	26.34	ppb	#	62
3) Freon 12	4.22	85	536844	1.33	ppb		98
4) Chloromethane	4.41	50	114883	1.18	ppb		99
5) Freon 114	4.42	85	281791	0.88	ppb		100
6) Vinyl Chloride	4.61	62	83265	0.85	ppb		96
7) Butane	4.71	43	174709	1.61	ppb	#	69
8) 1,3-butadiene	4.72	39	111081	1.44	ppb	#	65
9) Bromomethane	5.06	94	114373	0.95	ppb		98
10) Chloroethane	5.24	64	38545	0.86	ppb		98
11) Ethanol	5.32	45	9523438	322.75	ppb	#	64
12) Acrolein	5.91	56	40186	0.95	ppb		86
13) Vinyl Bromide	5.57	106	112714	0.90	ppb		95
14) Freon 11	5.85	101	425528	0.96	ppb		98
15) Acetone	6.00	58	837667m	12.67	ppb		
16) Pentane	6.13	42	2876879	25.56	ppb	#	1
17) Isopropyl alcohol	6.11	45	35432153	208.65	ppb	#	20
18) 1,1-dichloroethene	6.61	96	131509	0.94	ppb		92
19) Freon 113	6.81	101	347319	1.03	ppb		99
20) t-Butyl alcohol	6.85	59	313674	1.46	ppb	#	59
21) Methylene chloride	7.07	84	322387	2.30	ppb		97
22) Allyl chloride	7.06	41	128050	0.99	ppb		99
23) Carbon disulfide	7.23	76	407470	0.98	ppb		98
24) trans-1,2-dichloroethene	8.01	61	214304m	1.13	ppb		
25) methyl tert-butyl ether	8.03	73	285465	0.96	ppb		69
26) 1,1-dichloroethane	8.44	63	242731	0.94	ppb		97
27) Vinyl acetate	8.43	43	230984	1.09	ppb		94
28) Methyl Ethyl Ketone	8.93	72	1059828	18.41	ppb	#	100
29) cis-1,2-dichloroethene	9.38	61	166215	0.98	ppb		98
30) Hexane	8.93	57	1861904	10.95	ppb	#	1
31) Ethyl acetate	9.48	43	3656935	15.38	ppb	#	1
32) Chloroform	10.00	83	353152m	1.03	ppb		
33) Tetrahydrofuran	10.17	42	32837251	324.37	ppb	#	27
34) 1,2-dichloroethane	11.10	62	202990	0.98	ppb		99
36) 1,1,1-trichloroethane	10.81	97	342684	1.02	ppb		100
37) Cyclohexane	11.52	56	210783	1.36	ppb	#	75
38) Carbon tetrachloride	11.46	117	398708	1.07	ppb		98
39) Benzene	11.43	78	538256	1.38	ppb		96
40) Methyl methacrylate	13.00	41	137909	1.00	ppb		91
41) 1,4-dioxane	13.01	88	99246	1.17	ppb		99
42) 2,2,4-trimethylpentane	12.29	57	530331	1.01	ppb	#	74
43) Heptane	12.64	43	483390	2.86	ppb		97
44) Trichloroethene	12.76	130	288494	1.39	ppb		99
45) 1,2-dichloropropane	12.87	63	138428	0.91	ppb		97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AS042008.D Vial: 13
Acq On : 20 Apr 2021 4:57 pm Operator: RJP
Sample : C2104038-001A MS Inst : MSD #1
Misc : A317_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 21 12:59:05 2021 Quant Results File: A317_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A317_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Mon Apr 12 12:02:39 2021
Response via : Initial Calibration
DataAcq Meth : 1UG_ENT

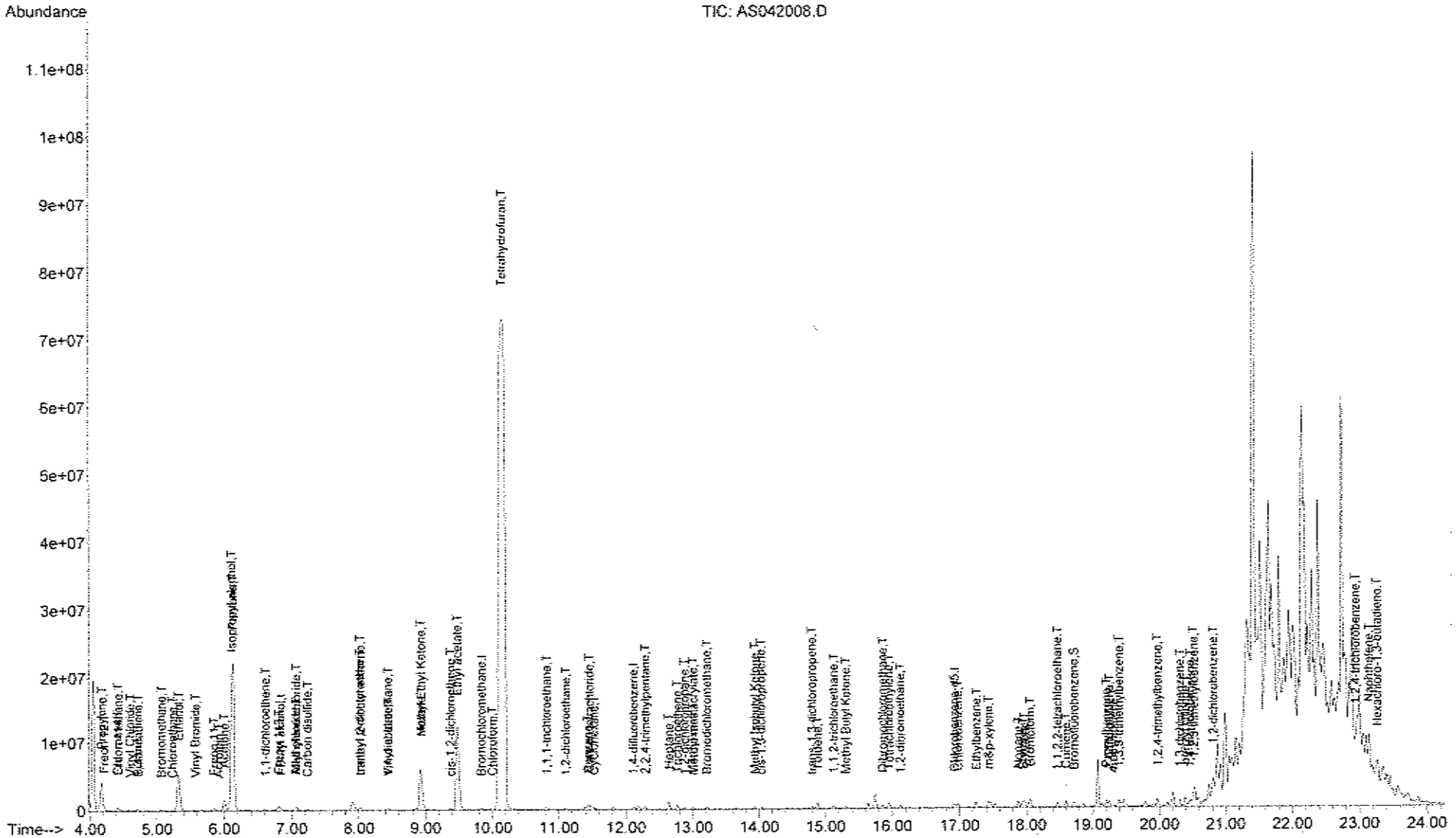
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46)	Bromodichloromethane	13.21	83	329783	0.98	ppb		99
47)	cis-1,3-dichloropropene	14.03	75	212532	0.99	ppb		97
48)	trans-1,3-dichloropropene	14.80	75	185545m	1.05	ppb		
49)	1,1,2-trichloroethane	15.13	97	176346	0.91	ppb		100
51)	Toluene	14.88	92	455420	1.77	ppb		100
52)	Methyl Isobutyl Ketone	13.94	43	261323	1.09	ppb		91
53)	Dibromochloromethane	15.86	129	352136	1.01	ppb		99
54)	Methyl Butyl Ketone	15.31	43	234781	1.07	ppb		87
55)	1,2-dibromoethane	16.12	107	292652	0.99	ppb		99
56)	Tetrachloroethylene	15.95	164	241895	1.14	ppb		98
57)	Chlorobenzene	16.97	112	396781	0.97	ppb		100
58)	Ethylbenzene	17.25	91	646678	1.19	ppb		99
59)	m&p-xylene	17.43	91	1209917	2.61	ppb		98
60)	Nonane	17.87	43	314473	1.16	ppb		90
61)	Styrene	17.94	104	426113	1.13	ppb		94
62)	Bromoform	18.06	173	334331	1.01	ppb		99
63)	o-xylene	17.97	91	659504	1.22	ppb		97
64)	Cumene	18.59	105	690815	1.07	ppb		98
66)	1,1,2,2-tetrachloroethane	18.46	83	411940	0.94	ppb		100
67)	Propylbenzene	19.21	120	230385	1.27	ppb		93
68)	2-Chlorotoluene	19.25	126	210672	1.05	ppb	#	93
69)	4-ethyltoluene	19.31	105	108176	0.17	ppb		97
70)	1,3,5-trimethylbenzene	19.39	105	829396m	1.41	ppb		
71)	1,2,4-trimethylbenzene	19.97	105	810187	1.58	ppb		98
72)	1,3-dichlorobenzene	20.31	146	481327	1.13	ppb		100
73)	benzyl chloride	20.39	91	448573m	1.48	ppb		
74)	1,4-dichlorobenzene	20.46	146	476936m	1.16	ppb		
75)	1,2,3-trimethylbenzene	20.51	105	712830	1.28	ppb		99
76)	1,2-dichlorobenzene	20.82	146	478842	1.25	ppb	#	50
77)	1,2,4-trichlorobenzene	22.93	180	424055	2.43	ppb		98
78)	Naphthalene	23.14	128	991251	2.52	ppb		98
79)	Hexachloro-1,3-butadiene	23.26	225	448649	1.41	ppb		99

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AS042008.D Vial: 13
Acq On : 20 Apr 2021 4:57 pm Operator: RJP
Sample : C2104038-001A MS Inst : MSD #1
Misc : A317_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 21 13:04 2021 Quant Results File: A317_1UG.RES

Method : C:\HPCHEM\1\METHODS\A317_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed May 05 08:06:45 2021
Response via : Initial Calibration



AS042008.D A317_1UG.M Wed May 05 08:21:10 2021 MSD1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AS042009.D Vial: 13
Acq On : 20 Apr 2021 5:52 pm Operator: RJP
Sample : C2104038-001A MSD Inst : MSD #1
Misc : A317_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 21 13:59:16 2021 Quant Results File: A317_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A317_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Mon Apr 12 12:02:39 2021
Response via : Initial Calibration
DataAcq Meth : 1UG_ENT

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	9.83	128	111144	1.00	ppb		0.02
35) 1,4-difluorobenzene	12.12	114	451492	1.00	ppb		0.00
50) Chlorobenzene-d5	16.92	117	430231	1.00	ppb		0.00
System Monitoring Compounds							
65) Bromofluorobenzene	18.71	95	330860	1.02	ppb		0.05
Spiked Amount 1.000	Range 70 - 130		Recovery = 102.00%				
Target Compounds							Qvalue
2) Propylene	4.17	41	1991461	24.31	ppb	#	62
3) Freon 12	4.22	85	536831	1.29	ppb		98
4) Chloromethane	4.41	50	114391	1.14	ppb		96
5) Freon 114	4.42	85	288075	0.88	ppb		99
6) Vinyl Chloride	4.61	62	81790	0.81	ppb		99
7) Butane	4.72	43	169402	1.51	ppb		97
8) 1,3-butadiene	4.72	39	87106	1.10	ppb		85
9) Bromomethane	5.06	94	116803	0.94	ppb		98
10) Chloroethane	5.23	64	38298	0.83	ppb		89
11) Ethanol	5.32	45	9068748	298.37	ppb	#	64
12) Acrolein	5.91	56	38629	0.89	ppb	#	77
13) Vinyl Bromide	5.57	106	112587	0.87	ppb		100
14) Freon 11	5.85	101	427005	0.94	ppb		98
15) Acetone	6.01	58	803901m	11.81	ppb		
16) Pentane	6.13	42	2468795	21.29	ppb	#	1
17) Isopropyl alcohol	6.11	45	32920134	188.20	ppb	#	18
18) 1,1-dichloroethene	6.61	96	142178	0.98	ppb		93
19) Freon 113	6.81	101	360913	1.04	ppb		98
20) t-Butyl alcohol	6.85	59	340920	1.54	ppb	#	63
21) Methylene chloride	7.06	84	323220	2.24	ppb		96
22) Allyl chloride	7.06	41	136463	1.03	ppb		98
23) Carbon disulfide	7.23	76	430036	1.00	ppb		98
24) trans-1,2-dichloroethene	8.01	61	220910m	1.13	ppb		
25) methyl tert-butyl ether	8.03	73	340148	1.11	ppb		85
26) 1,1-dichloroethane	8.44	63	248949	0.94	ppb		98
27) Vinyl acetate	8.43	43	250158	1.15	ppb		95
28) Methyl Ethyl Ketone	8.92	72	1016351	17.14	ppb	#	100
29) cis-1,2-dichloroethene	9.37	61	175737	1.00	ppb		98
30) Hexane	8.93	57	1792970	10.24	ppb	#	1
31) Ethyl acetate	9.48	43	3471034	14.17	ppb	#	1
32) Chloroform	10.00	83	369186m	1.05	ppb		
33) Tetrahydrofuran	10.16	42	31384118	300.97	ppb	#	27
34) 1,2-dichloroethane	11.10	62	212273	1.00	ppb		99
36) 1,1,1-trichloroethane	10.81	97	359138	0.97	ppb		99
37) Cyclohexane	11.52	56	220526	1.28	ppb	#	76
38) Carbon tetrachloride	11.46	117	417301	1.01	ppb		99
39) Benzene	11.42	78	561561	1.29	ppb		97
40) Methyl methacrylate	12.99	41	162889	1.07	ppb		92
41) 1,4-dioxane	13.01	88	112243	1.19	ppb		99
42) 2,2,4-trimethylpentane	12.29	57	579746	1.00	ppb	#	67
43) Heptane	12.64	43	476960	2.55	ppb		98
44) Trichloroethene	12.77	130	302977	1.32	ppb		97
45) 1,2-dichloropropane	12.87	63	145993	0.86	ppb		99

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\AS042009.D Vial: 13
Acq On : 20 Apr 2021 5:52 pm Operator: RJP
Sample : C2104038-001A MSD Inst : MSD #1
Misc : A317_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 21 13:59:16 2021 Quant Results File: A317_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A317_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Mon Apr 12 12:02:39 2021
Response via : Initial Calibration
DataAcq Meth : 1UG_ENT

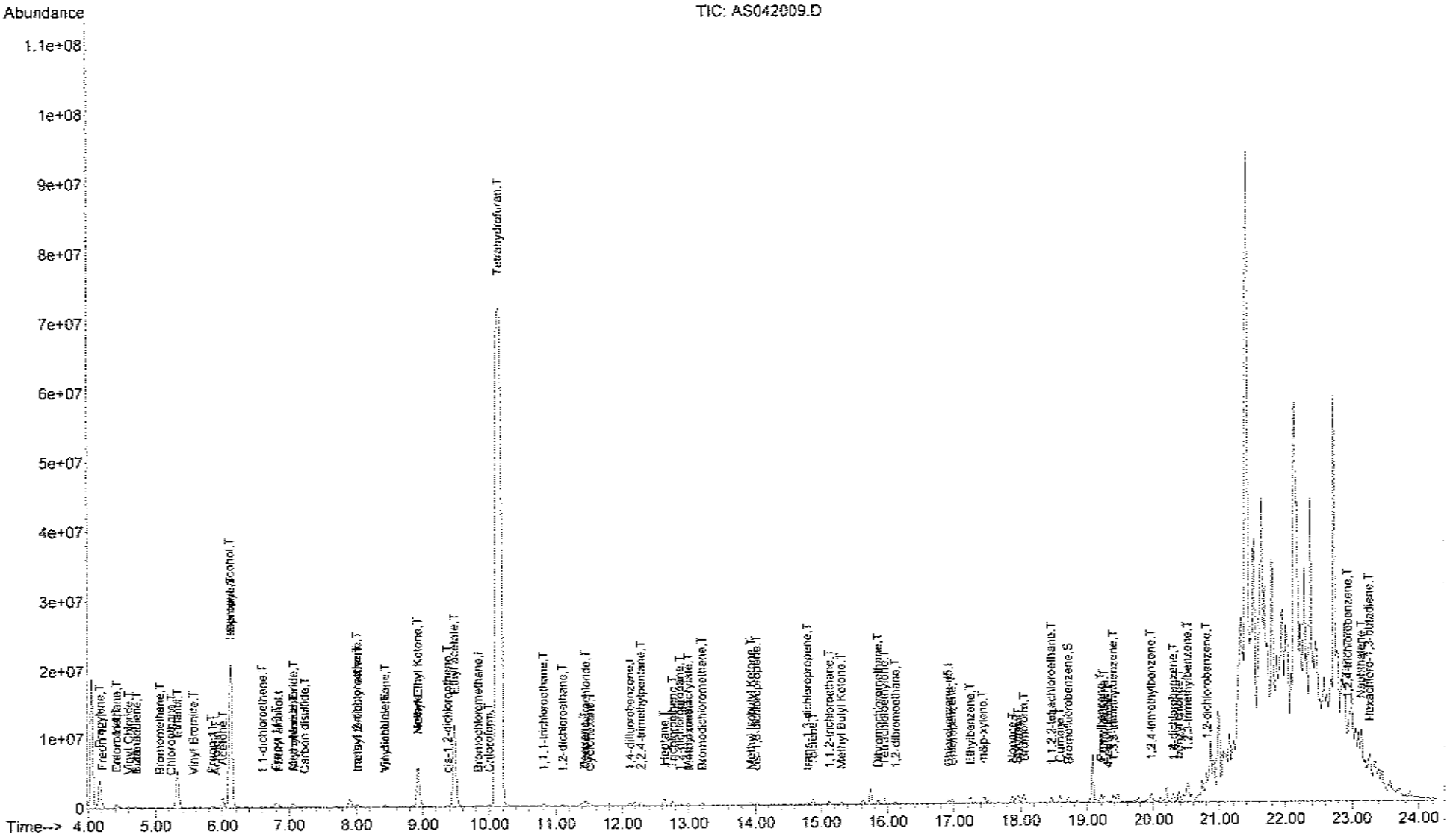
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46)	Bromodichloromethane	13.21	83	343484	0.92	ppb		99
47)	cis-1,3-dichloropropene	14.03	75	234065	0.98	ppb		98
48)	trans-1,3-dichloropropene	14.80	75	205623m	1.05	ppb		
49)	1,1,2-trichloroethane	15.13	97	190617	0.89	ppb		99
51)	Toluene	14.88	92	480851	1.68	ppb		100
52)	Methyl Isobutyl Ketone	13.93	43	298225m	1.12	ppb		
53)	Dibromochloromethane	15.86	129	376886	0.97	ppb		100
54)	Methyl Butyl Ketone	15.31	43	265915	1.09	ppb		88
55)	1,2-dibromoethane	16.12	107	319510	0.97	ppb		99
56)	Tetrachloroethylene	15.95	164	264638	1.12	ppb		96
57)	Chlorobenzene	16.97	112	446958	0.98	ppb		98
58)	Ethylbenzene	17.25	91	738591	1.22	ppb		100
59)	m&p-xylene	17.43	91	1320224	2.56	ppb		99
60)	Nonane	17.88	43	337794	1.12	ppb		92
61)	Styrene	17.93	104	465494	1.11	ppb		94
62)	Bromoform	18.06	173	359894	0.97	ppb		100
63)	o-xylene	17.97	91	708723	1.18	ppb		99
64)	Cumene	18.59	105	817926	1.14	ppb		98
66)	1,1,2,2-tetrachloroethane	18.46	83	459462	0.94	ppb		98
67)	Propylbenzene	19.20	120	260344	1.29	ppb		96
68)	2-Chlorotoluene	19.25	126	239205	1.07	ppb		96
69)	4-ethyltoluene	19.32	105	111536	0.15	ppb		96
70)	1,3,5-trimethylbenzene	19.39	105	927254m	1.42	ppb		
71)	1,2,4-trimethylbenzene	19.97	105	898968	1.58	ppb		99
72)	1,3-dichlorobenzene	20.30	146	554225	1.17	ppb		99
73)	benzyl chloride	20.39	91	508578m	1.51	ppb		
74)	1,4-dichlorobenzene	20.30	146	569812	1.24	ppb		100
75)	1,2,3-trimethylbenzene	20.51	105	791767	1.28	ppb		99
76)	1,2-dichlorobenzene	20.82	146	530813	1.24	ppb	#	74
77)	1,2,4-trichlorobenzene	22.93	180	454768	2.34	ppb		96
78)	Naphthalene	23.14	128	1054636	2.41	ppb		100
79)	Hexachloro-1,3-butadiene	23.26	225	471882	1.34	ppb		100

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AS042009.D Vial: 13
Acq On : 20 Apr 2021 5:52 pm Operator: RJP
Sample : C2104038-001A MSD Inst : MSD #1
Misc : A317_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 21 14:01 2021 Quant Results File: A317_1UG.RES

Method : C:\HPCHEM\1\METHODS\A317_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed May 05 08:06:45 2021
Response via : Initial Calibration



AS042009.D A317_1UG.M Wed May 05 08:21:13 2021 MSD1

GC/MS VOLATILES-WHOLE AIR

METHOD TO-15

INJECTION LOG

Centek Laboratories,LLC

Injection Log

Directory: C:\HPCHEM\1\DATA2

Instrument # 1
Internal Standard Stock # A4357
Standard Stock # A4358
LCS Stock # A4359
Misc Info
Method Ref: EPA TO-15 / Jan. 1999

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
111	10	As041214.d	1.	C2104024-003A	A317_1UG	12 Apr 2021 20:52
112	11	As041215.d	1.	C2104024-003A 40X	A317_1UG	12 Apr 2021 21:33
113	12	As041216.d	1.	C2104024-004A	A317_1UG	12 Apr 2021 22:17
114	13	As041217.d	1.	C2104024-004A 40X	A317_1UG	12 Apr 2021 22:59
115	14	As041218.d	1.	C2104024-005A	A317_1UG	12 Apr 2021 23:43
116	15	As041219.d	1.	C2104024-005A 40X	A317_1UG	13 Apr 2021 00:25
117	16	As041220.d	1.	ALCS1UGD-041221	A317_1UG	13 Apr 2021 01:09
118		As041221.d	1.	No MS or GC data present		
119	1	As041301.d	1.	BFB1UG	A317_1UG	13 Apr 2021 08:24
120	2	As041302.d	1.	A1UG_1.0	A317_1UG	13 Apr 2021 09:35
121	3	As041303.d	1.	ALCS1UG-041321	A317_1UG	13 Apr 2021 10:22
122	4	As041304.d	1.	AMB1UG-041321	A317_1UG	13 Apr 2021 11:01
123	5	As041305.d	1.	C2104024-001A 270X	A317_1UG	13 Apr 2021 11:51
124	6	As041306.d	1.	C2104024-002A 270X	A317_1UG	13 Apr 2021 12:33
125	7	As041307.d	1.	C2104024-003A 270X	A317_1UG	13 Apr 2021 13:16
126	8	As041308.d	1.	C2104024-004A 270X	A317_1UG	13 Apr 2021 13:58
127	9	As041309.d	1.	C2104024-005A 270X	A317_1UG	13 Apr 2021 14:41
128	10	As041310.d	1.	ALCS1UGD-041321	A317_1UG	13 Apr 2021 15:25
129	1	As042001.d	1.	BFB	A317_1UG	20 Apr 2021 10:30
130	1	As042002.d	1.	A1UG_1.0	A317_1UG	20 Apr 2021 11:31
131	1	As042003.d	1.	A1UG_1.0	A317_1UG	20 Apr 2021 12:26
132	1	As042004.d	1.	ALCS1UG-042021	A317_1UG	20 Apr 2021 13:59
133	1	As042005.d	1.	AMB1UG-042021	A317_1UG	20 Apr 2021 14:38
134	11	As042006.d	1.	C2104033-001A	A317_1UG	20 Apr 2021 15:23
135	13	As042007.d	1.	C2104038-001A	A317_1UG	20 Apr 2021 16:07
136	13	As042008.d	1.	C2104038-001A MS	A317_1UG	20 Apr 2021 16:57
137	13	As042009.d	1.	C2104038-001A MSD	A317_1UG	20 Apr 2021 17:52
138	14	As042010.d	1.	C2104038-002A	A317_1UG	20 Apr 2021 18:36
139	14	As042011.d	1.	C2104038-003A	A317_1UG	20 Apr 2021 19:20
140	15	As042012.d	1.	C2104045-003A	A317_1UG	20 Apr 2021 20:04
141	17	As042013.d	1.	C2104045-004A	A317_1UG	20 Apr 2021 20:48
142	18	As042014.d	1.	C2104045-005A	A317_1UG	20 Apr 2021 21:32
143	19	As042015.d	1.	C2104045-001A	A317_1UG	20 Apr 2021 22:16
144	20	As042016.d	1.	C2104045-002A	A317_1UG	20 Apr 2021 23:01
145	1	As042017.d	1.	ALCS1UGD-042021	A317_1UG	20 Apr 2021 23:44
146	11	As042018.d	1.	C2104033-001A 10X	A317_1UG	21 Apr 2021 00:27
147	13	As042019.d	1.	C2104038-001A 10X	A317_1UG	21 Apr 2021 01:10
148	14	As042020.d	1.	C2104038-002A 10X	A317_1UG	21 Apr 2021 01:53
149	14	As042021.d	1.	C2104038-003A 10X	A317_1UG	21 Apr 2021 02:36
150	15	As042022.d	1.	C2104045-003A 10X	A317_1UG	21 Apr 2021 03:19
151	17	As042023.d	1.	C2104045-004A 10X	A317_1UG	21 Apr 2021 04:01
152	18	As042024.d	1.	C2104045-005A 10X	A317_1UG	21 Apr 2021 04:44
153	19	As042025.d	1.	C2104045-001A 10X	A317_1UG	21 Apr 2021 05:27
154	20	As042026.d	1.	C2104045-002A 10X	A317_1UG	21 Apr 2021 06:10
155	11	As042027.d	1.	C2104033-001A 20X	A317_1UG	21 Apr 2021 09:24
56	1	As042101.d	1.	BFB	A317_1UG	21 Apr 2021 11:09
57	1	As042102.d	1.	A1UG_1.0	A317_1UG	21 Apr 2021 11:54
58	1	As042103.d	1.	BFB	A317_1UG	21 Apr 2021 12:33
59	1	As042104.d	1.	A1UG_1.0	A317_1UG	21 Apr 2021 13:25
60	1	As042105.d	1.	ALCS1UG-042121	A317_1UG	21 Apr 2021 14:15
61	1	As042106.d	1.	AMB1UG-042121	A317_1UG	21 Apr 2021 15:08
62	13	As042107.d	1.	C2104038	A317_1UG-001A 16X	21 Apr 2021 15:52
63	13	As042108.d	1.	C2104038-001A 320X	A317_1UG	21 Apr 2021 16:34
64	19	As042109.d	1.	C2104045	A317_1UG-001A 16X	21 Apr 2021 17:18
65	19	As042110.d	1.	C2104045-001A 80X	A317_1UG	21 Apr 2021 18:00

Centek Laboratories,LLC

Injection Log

Instrument # 1
Internal Standard Stock # A4357
Standard Stock # A4358
LCS Stock # A4359
Method Ref: EPA TO-15 / Jan. 1999

Directory: C:\HPCHEM\1\DATA2

Line	Vial	FileName	Multiplier	SampleName	Method	Injected
166	20	As042111.d	1.	C2104045-002A 64X	A317_1UG	21 Apr 2021 18:44
167	20	As042112.d	1.	C2104045-002A 640X	A317_1UG	21 Apr 2021 19:27
168	11	As042113.d	1.	C2104046-001A	A317_1UG	21 Apr 2021 20:11
169	14	As042114.d	1.	C2104046-002A	A317_1UG	21 Apr 2021 20:56
170	15	As042115.d	1.	C2104046-003A	A317_1UG	21 Apr 2021 21:40
171	17	As042116.d	1.	C2104046-004A	A317_1UG	21 Apr 2021 22:25
172	1	As042117.d	1.	ALCS1UGD-042121	A317_1UG	21 Apr 2021 23:09
173	11	As042118.d	1.	C2104046-001A 10X	A317_1UG	21 Apr 2021 23:52
174	14	As042119.d	1.	C2104046-002A 10X	A317_1UG	22 Apr 2021 00:35
175	15	As042120.d	1.	C2104046-003A 10X	A317_1UG	22 Apr 2021 01:18
176	17	As042121.d	1.	C2104046-004A 10X	A317_1UG	22 Apr 2021 02:01
177	13	As042122.d	1.	C2104038-001A 640X	A317_1UG	22 Apr 2021 12:18
178		As042123.d	1.	No MS or GC data present		
179	1	As042601.d	1.	BFB1UG	A317_1UG	26 Apr 2021 08:54
180	2	As042602.d	1.	A1UG	A317_1UG	26 Apr 2021 10:03
181	3	As042603.d	1.	A1UG_1.0	A317_1UG	26 Apr 2021 10:54
182	4	As042604.d	1.	ALCS1UG-042621	A317_1UG	26 Apr 2021 12:09
183	5	As042605.d	1.	AMB1UG-042621	A317_1UG	26 Apr 2021 12:48
184	6	As042606.d	1.	C2104046-002A 90X	A317_1UG	26 Apr 2021 13:52
185	7	As042607.d	1.	C2104046-003A 810X	A317_1UG	26 Apr 2021 14:35
186	1	As042608.d	1.	C2104054-001A	A317_1UG	26 Apr 2021 15:36
187	2	As042609.d	1.	C2104054-002A	A317_1UG	26 Apr 2021 16:21
188	3	As042610.d	1.	C2104054-003A	A317_1UG	26 Apr 2021 17:05
189	4	As042611.d	1.	C2104054-004A	A317_1UG	26 Apr 2021 17:49
190	5	As042612.d	1.	C2104046-003A 81x	A317_1UG	27 Apr 2021 11:19
191		As042613.d	1.	No MS or GC data present		
192	2	As042901.d	1.	BFB	A317_1UG	29 Apr 2021 13:15
193	3	As042902.d	1.	AFORM	LEED_223	29 Apr 2021 13:56
194	4	As042903.d	1.	AMBFORM-042921	LEED_223	29 Apr 2021 14:28
195	5	As042904.d	1.	C2104059-001A	LEED_223	29 Apr 2021 15:08
196	6	As042905.d	1.		LEED_223	29 Apr 2021 20:30
197	7	As042906.d	1.		LEED_223	29 Apr 2021 21:43
198	1	As043001.d	1.	BFB	LEED_430	30 Apr 2021 05:27
199	2	As043002.d	1.	ALEED_100	LEED_430	30 Apr 2021 06:32
200	3	As043003.d	1.	ALEED_75	LEED_430	30 Apr 2021 07:12
201	4	As043004.d	1.	ALEED_50	LEED_430	30 Apr 2021 07:52
202	5	As043005.d	1.	ALEED_25	LEED_430	30 Apr 2021 08:31
203	6	As043006.d	1.	ALEED_10	LEED_430	30 Apr 2021 09:12
204	7	As043007.d	1.	ALEED_5	LEED_430	30 Apr 2021 10:06
205	8	As043008.d	1.	ALEED_0.5	LEED_430	30 Apr 2021 10:48
206	9	As043009.d	1.	ALEEDLCS-043021	LEED_430	30 Apr 2021 11:30
207	10	As043010.d	1.	ALEEDMB-043021	LEED_430	30 Apr 2021 12:08
208	1	As043011.d	1.	C2104061-001A	LEED_430	30 Apr 2021 13:10
209	2	As043012.d	1.	C2104061-002A	LEED_430	30 Apr 2021 13:50
210	3	As043013.d	1.	C2104061-003A	LEED_430	30 Apr 2021 14:30
211	4	As043014.d	1.	C2104061-004A	LEED_430	30 Apr 2021 15:11
212	5	As043015.d	1.	C2104061-005A	LEED_430	30 Apr 2021 15:51
213	6	As043016.d	1.	C2104061-006A	LEED_430	30 Apr 2021 16:32
214	7	As043017.d	1.	C2104061-007A	LEED_430	30 Apr 2021 17:13
215	8	As043018.d	1.	C2104061-008A	LEED_430	30 Apr 2021 17:53
216	9	As043019.d	1.	C2104061-009A	LEED_430	30 Apr 2021 18:33
217	10	As043020.d	1.	C2104061-010A	LEED_430	30 Apr 2021 19:14
218	11	As043021.d	1.	C2104061-011A	LEED_430	30 Apr 2021 19:54
219	12	As043022.d	1.	C2104061-012A	LEED_430	30 Apr 2021 20:34
220	13	As043023.d	1.	C2104055-001A	LEED_430	30 Apr 2021 21:14

GC/MS VOLATILES-WHOLE AIR

METHOD TO-15

STANDARDS LOG

Centek Laboratories, LLC

GC/MS Calibration Standards Logbook

Std #	Date Prep	Date Exp	Description	Stock #	Stock Conc	Initial Vol (psig)	Finial 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	45	50	AP	
A-4259	↓	↓	SILOX	2574/2623	449/500 ppb	3.34/3.0	30	↓	↓	
A-4260			SULF	A3626	1 ppm	1.5	↓			
A-4261			H_2S	A2572	10.2 ppm	1.47		500		
A-4262			H_2S 25	A4261	500 ppb	1.5		25		
A-4263			TO15 IUS IS	A4253	50 ppb	0.9	45	1		
A-4264			STD	A4254	↓	↓	↓	↓		
A-4265	↓	↓	LCS	A4255	↓	↓	↓	↓	↓	
A-4266	02/25/21	02/25/22	TO15 IS	FF-11174	LINDE 2000psig			1.0 ppm	LL	
A-4267	3/01/21	3/01/22	TO15 STD.	FF-529880	LINDE 2200psig			1.0 ppm	LL	
A-4268	3/01/21	3/01/22	TO15 LCS	A-3621	1 ppm	A-3621 IS NOW LCS			LL	
A-4269	3/2/21	3/9/21	TO15 IS	A4266	1 ppm	1.5	30	50	WD	
A-4270	↓	↓	STD	A4267	↓	↓	↓	↓	↓	
A-4271			LCS	A4268	↓	↓	↓	↓		
A-4272			4PCH	A3992	1.025 ppm	1.47	30	50		
A-4273			4PCHS	A4272	50 ppb	3.0	30	5		
A-4274			Form	A3792	10.3 ppm	0.22	45	50		
A-4275			SILOX	A2574 / A2623	449 ppb / 500 ppb	3.34 / 3.0	30	50		
A-4276			SULF	A3626	1 ppm	1.5	30	50		
A-4277			H_2S	A2572	10.2 ppm	1.47	30	500		
A-4278	↓	↓	H_2S 25	A4277	500 ppb	1.5	30	25	↓	

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Centek Laboratories, LLC

GC/MS Calibration Standards Logbook

Std #	Date Prep	Date Exp	Description	Stock #	Stock Conc	Initial Vol (psig)	Finial Vol (psia)	Final Conc (ppb)	Prep by	Chkd by
A- 4342	4/7/21	4/14/21	TO15 H2S	A2572	10.2 ppm	1.47	30	500	MP	
A- 4343			H2S 25	A4342	500 ppb	1.5		25		
A- 4344			TO15 IUL IS	A4334	50 ppb	0.9	45	1		
A- 4345			STD	A4335						
A- 4346			LCS	A4336						
A- 4347	4/15/21	4/22/21	TO15 IS	A4246	A4246 1 ppm	1.5	30	50	MP	
A- 4348			STD	A4247	A4247					
A- 4349			LCS	A4266	A4266					
A- 4350			4PCH	A3892	A3892 1.025	1.47				
A- 4351			4PCH5	A4350	A4350 5000	3.0		5		
A- 4352			FOAM	A3792	A3792 103	0.22	45	50		
A- 4353			SILOX	A2574/2623	A2574/2623 150	3.3 1/3	30			
A- 4354			SULF	A3626	A3626 1 ppm	1.5				
A- 4355			H2S	A2572	10.2 ppm	1.47		500		
A- 4356			H2S 25	A4355	500 ppb	1.5		25		
A- 4357			TO15 IUL IS	A4347	50 ppb	0.9	45	1		
A- 4358			STD	A4348						
A- 4359			LCS	A4349						
A-										
A-										
A-										

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GC/MS VOLATILES-WHOLE AIR

METHOD TO-15

CANISTER CLEANING LOG

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)
1187	1L	200	20	2/16/21	WAC021821 A	1yg +0.20	30+ |+ 30 2/26/21
137							30+ |+
336							30+ |+
475							30+ |+
200		237			B		30+ |+
555							30+ |+
567							30+ |+
288							30+ |+
1192							30+ |+
237		241			C		30+ |+
226							30+ |+
552							30+ |+
205							30+ |+
363							30+ |+
241		233			D		30+ |+
479							30+ |+
324							30+ |+
550							30+ |+
240							30+ |+
233		141			E		30+ |+
458							30+ |+
1176							30+ |+
86							30+ |+
223							30+ |+
141							30+ |+

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)
162	1L	1188	20	2/16/21	WAC021821E	1ppb+0.20	30+ |+ 30 2/24/21
128	↓	↓	↓	↓	↓	↓	30+ |+
158							30+ |+
225							30+ |+
1188		↓					30+ |+
1186		1190		2/19/21	G		30+ |+
422		↓		↓			30+ |+
159							30+ |+
96							30+ |+
1190		↓					30+ |+
201		1179			H		30+ |+
242		↓			↓		30+ |+
1183							30+ |+
419							30+ |+
1179		↓					30+ |+
362		236			I		30+ |+
290		↓			↓		30+ |+
459							30+ |+
275							30+ |+
236	↓	↓	↓	↓	↓	↓	30+ |+ ↓
							30+ |+
							30+ |+
							30+ |+
							30+ |+
							30+ |+

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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)
485	1.4L	1321	20	2/18/21	WAC021921A	1ppb +0.2ppb	30+ |+ 30 2/26/21
1205							30+ |+
1198							30+ |+
209							30+ |+
1321							30+ |+
487		218			B		30+ |+
1323							30+ |+
1204							30+ |+
1201							30+ |+
218							30+ |+
1203		482			C		30+ |+
217							30+ |+
1200							30+ |+
214							30+ |+
482							30+ |+
484		1202			D		30+ |+
1196							30+ |+
1208							30+ |+
1319							30+ |+
1202							30+ |+
							30+ |+
							30+ |+
							30+ |+
							30+ |+
							30+ |+

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Form C151

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\2021FEB\AS021807.D Vial: 7
Acq On : 18 Feb 2021 1:39 pm Operator: RJP
Sample : WAC021821C Inst : MSD #1
Misc : A123_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 19 07:54:48 2021 Quant Results File: A123_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A123_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Sat Jan 23 21:26:14 2021
Response via : Initial Calibration
DataAcq Meth : 1UG_ENT

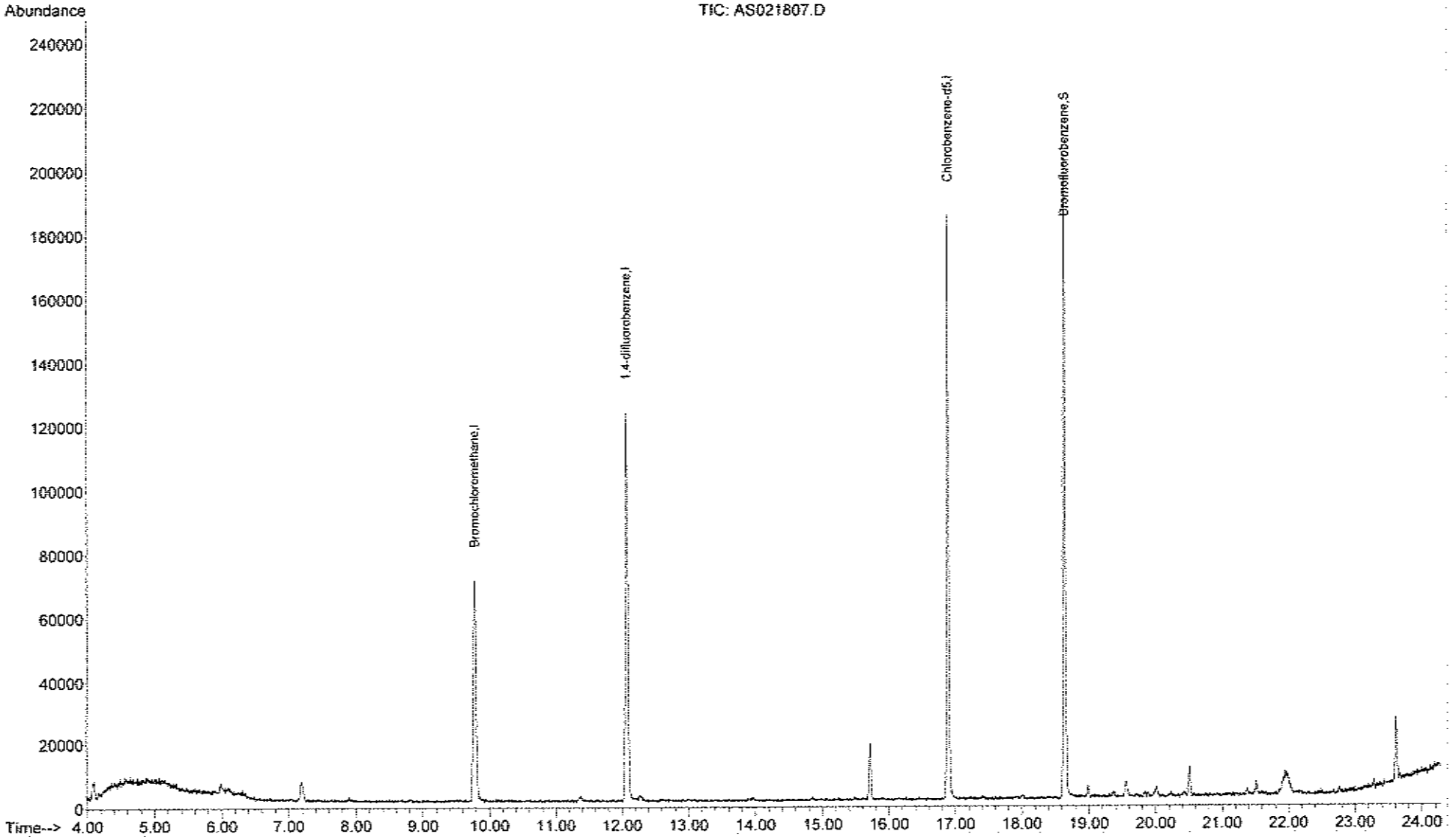
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	9.78	128	31734	1.00	ppb	-0.02
35) 1,4-difluorobenzene	12.07	114	133488	1.00	ppb	-0.02
50) Chlorobenzene-d5	16.89	117	126010	1.00	ppb	-0.02
System Monitoring Compounds						
65) Bromofluorobenzene	18.64	95	84086	0.90	ppb	-0.06
Spiked Amount 1.000	Range 70 - 130		Recovery = 90.00%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed
AS021807.D A317_1UG.M Wed May 05 10:44:53 2021 MSD1 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\2021FEB\AS021807.D Vial: 7
Acq On : 18 Feb 2021 1:39 pm Operator: RJP
Sample : WAC021821C Inst : MSD #1
Misc : A123_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 24 9:09 2021 Quant Results File: A123_1UG.RES

Method : C:\HPCHEM\1\METHODS\A317_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed May 05 08:06:45 2021
Response via : Initial Calibration



AS021807.D A317_1UG.M Wed May 05 10:44:54 2021 MSD1 Page 2

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\2021FEB\AS021808.D Vial: 1
Acq On : 18 Feb 2021 2:23 pm Operator: RJP
Sample : WAC021821D Inst : MSD #1
Misc : A123_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 19 07:54:49 2021 Quant Results File: A123_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A123_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Sat Jan 23 21:26:14 2021
Response via : Initial Calibration
DataAcq Meth : 1UG_ENT

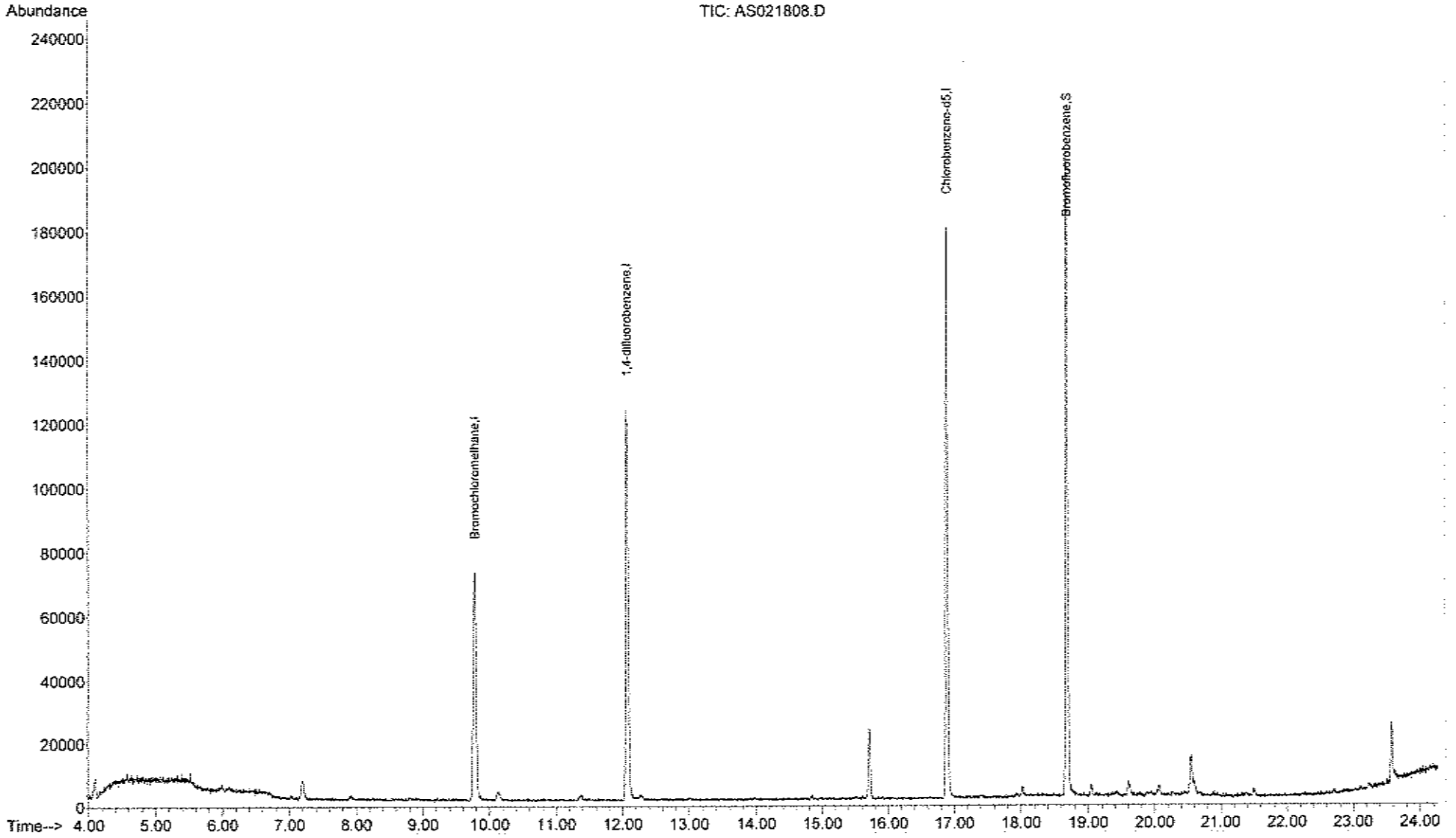
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	9.78	128	31697	1.00	ppb	-0.02
35) 1,4-difluorobenzene	12.07	114	131191	1.00	ppb	-0.02
50) Chlorobenzene-d5	16.88	117	126041	1.00	ppb	-0.02
System Monitoring Compounds						
65) Bromofluorobenzene	18.68	95	87124	0.93	ppb	-0.02
Spiked Amount 1.000	Range 70 - 130		Recovery = 93.00%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed
AS021808.D A317_1UG.M Wed May 05 10:44:56 2021 MSD1 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\2021FEB\AS021808.D Vial: 1
Acq On : 18 Feb 2021 2:23 pm Operator: RJP
Sample : WAC021821D Inst : MSD #1
Misc : A123_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 24 9:09 2021 Quant Results File: A123_1UG.RES

Method : C:\HPCHEM\1\METHODS\A317_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed May 05 08:06:45 2021
Response via : Initial Calibration



AS021808.D A317_1UG.M Wed May 05 10:44:57 2021 MSD1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\2021FEB\AS021809.D Vial: 2
Acq On : 18 Feb 2021 3:05 pm Operator: RJP
Sample : WAC021821E Inst : MSD #1
Misc : A123_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 19 07:54:51 2021 Quant Results File: A123_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A123_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Sat Jan 23 21:26:14 2021
Response via : Initial Calibration
DataAcq Meth : 1UG_ENT

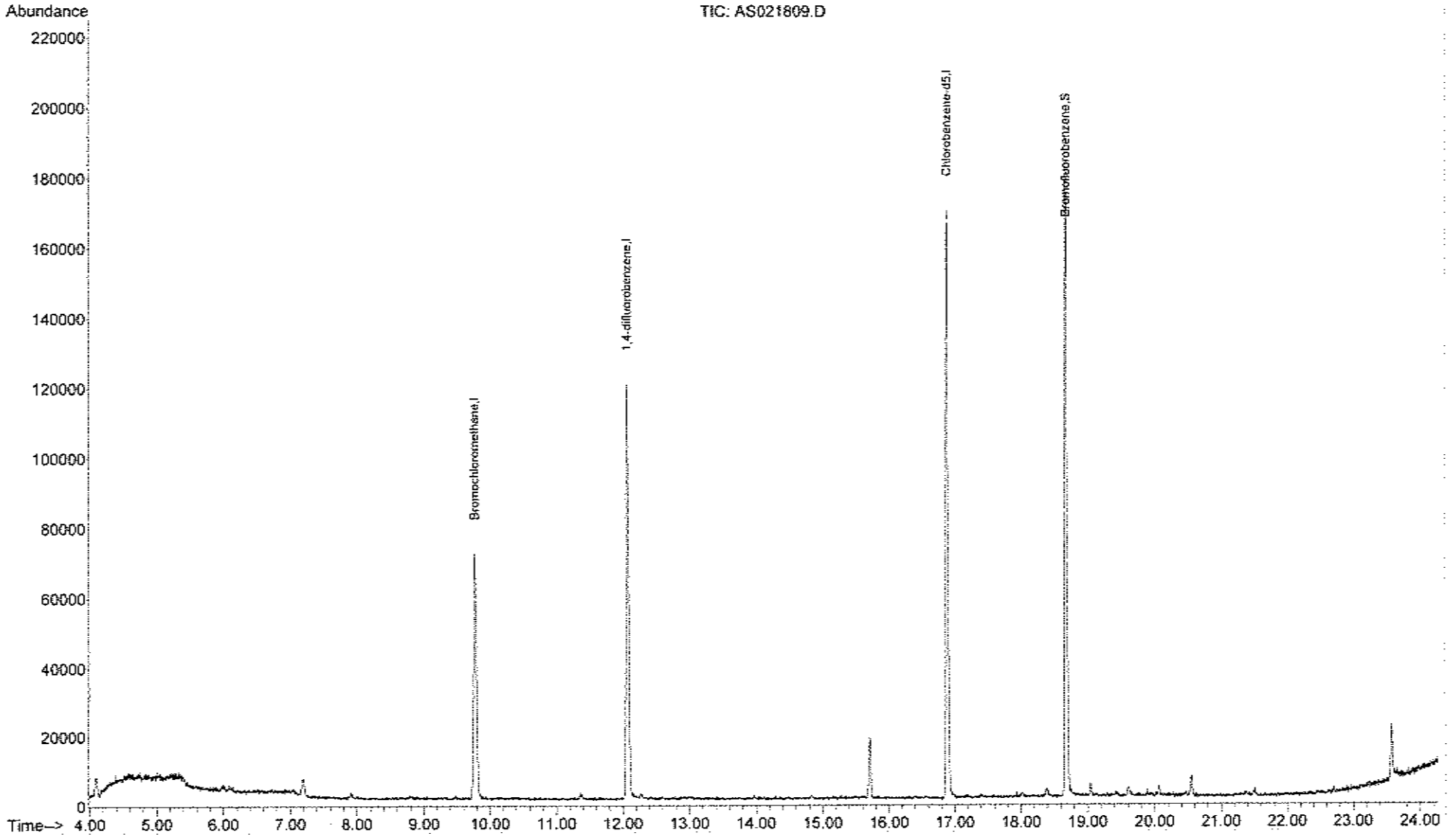
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	9.77	128	31939	1.00	ppb	-0.03
35) 1,4-difluorobenzene	12.07	114	130275	1.00	ppb	-0.02
50) Chlorobenzene-d5	16.89	117	118957	1.00	ppb	-0.02
System Monitoring Compounds						
65) Bromofluorobenzene	18.68	95	79263	0.89	ppb	-0.02
Spiked Amount 1.000	Range 70 - 130		Recovery = 89.00%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed
AS021809.D A317_1UG.M Wed May 05 10:44:59 2021 MSD1 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\2021FEB\AS021809.D Vial: 2
Acq On : 18 Feb 2021 3:05 pm Operator: RJP
Sample : WAC021821E Inst : MSD #1
Misc : A123_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 24 9:09 2021 Quant Results File: A123_1UG.RES

Method : C:\HPCHEM\1\METHODS\A317_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed May 05 08:06:45 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\2021FEB\AS021810.D Vial: 3
Acq On : 18 Feb 2021 3:47 pm Operator: RJP
Sample : WAC021821F Inst : MSD #1
Misc : A123_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 19 07:54:52 2021 Quant Results File: A123_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A123_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Sat Jan 23 21:26:14 2021
Response via : Initial Calibration
DataAcq Meth : 1UG_ENT

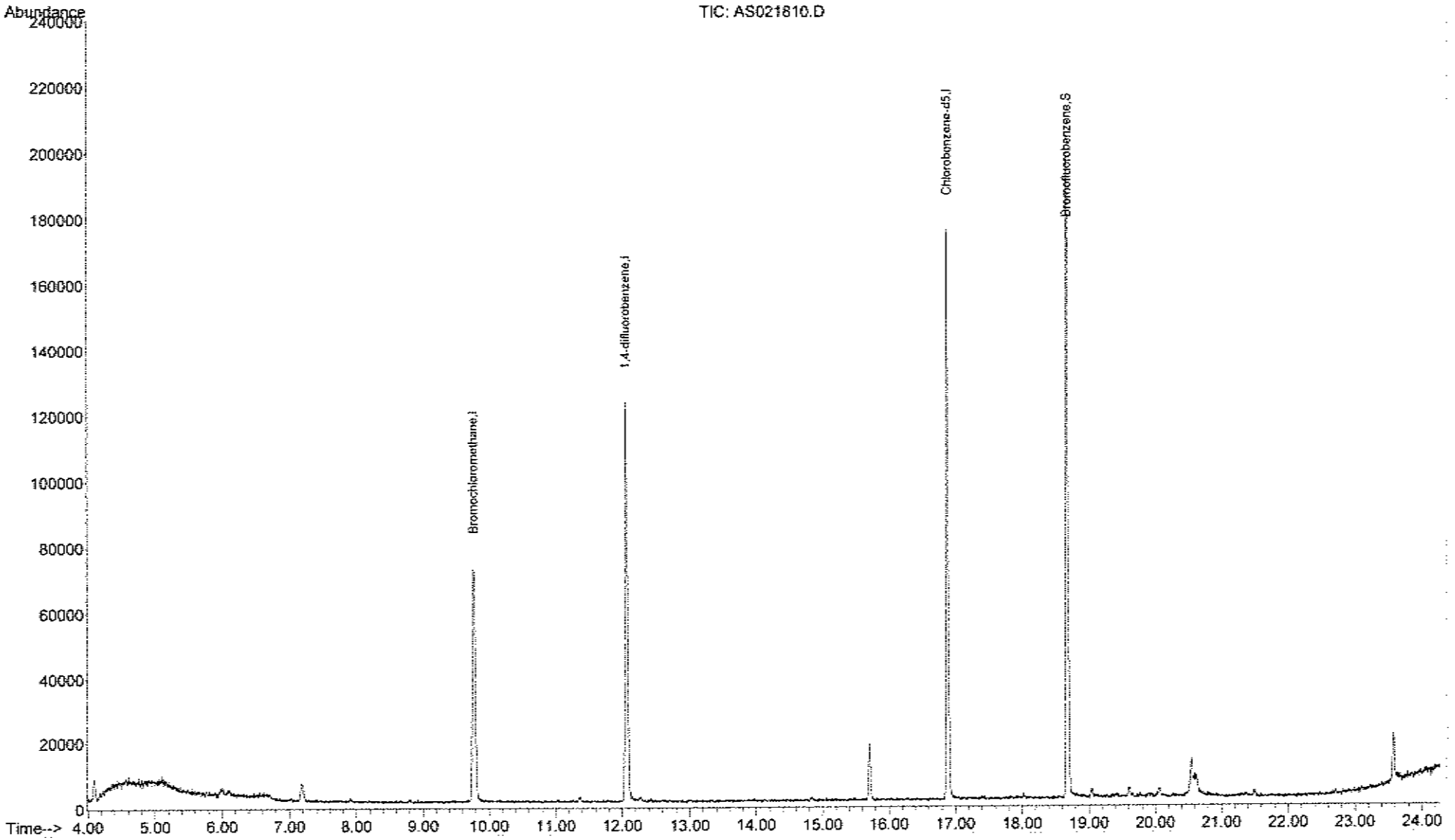
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	9.77	128	32324	1.00	ppb	-0.03
35) 1,4-difluorobenzene	12.07	114	131228	1.00	ppb	-0.02
50) Chlorobenzene-d5	16.88	117	123382	1.00	ppb	-0.02
System Monitoring Compounds						
65) Bromofluorobenzene	18.68	95	84919	0.92	ppb	-0.02
Spiked Amount 1.000	Range 70 - 130		Recovery = 92.00%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed
AS021810.D A317_1UG.M Wed May 05 10:45:02 2021 MSD1 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\2021FEB\AS021810.D Vial: 3
Acq On : 18 Feb 2021 3:47 pm Operator: RJP
Sample : WAC021821F Inst : MSD #1
Misc : A123_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 24 9:09 2021 Quant Results File: A123_1UG.RES

Method : C:\HPCHEM\1\METHODS\A317_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed May 05 08:06:45 2021
Response via : Initial Calibration



AS021810.D A317_1UG.M Wed May 05 10:45:03 2021 MSD1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\2021FEB\AS021811.D Vial: 4
Acq On : 18 Feb 2021 4:29 pm Operator: RJP
Sample : WAC021821G Inst : MSD #1
Misc : A123_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 19 07:54:53 2021 Quant Results File: A123_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A123_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Sat Jan 23 21:26:14 2021
Response via : Initial Calibration
DataAcq Meth : 1UG_ENT

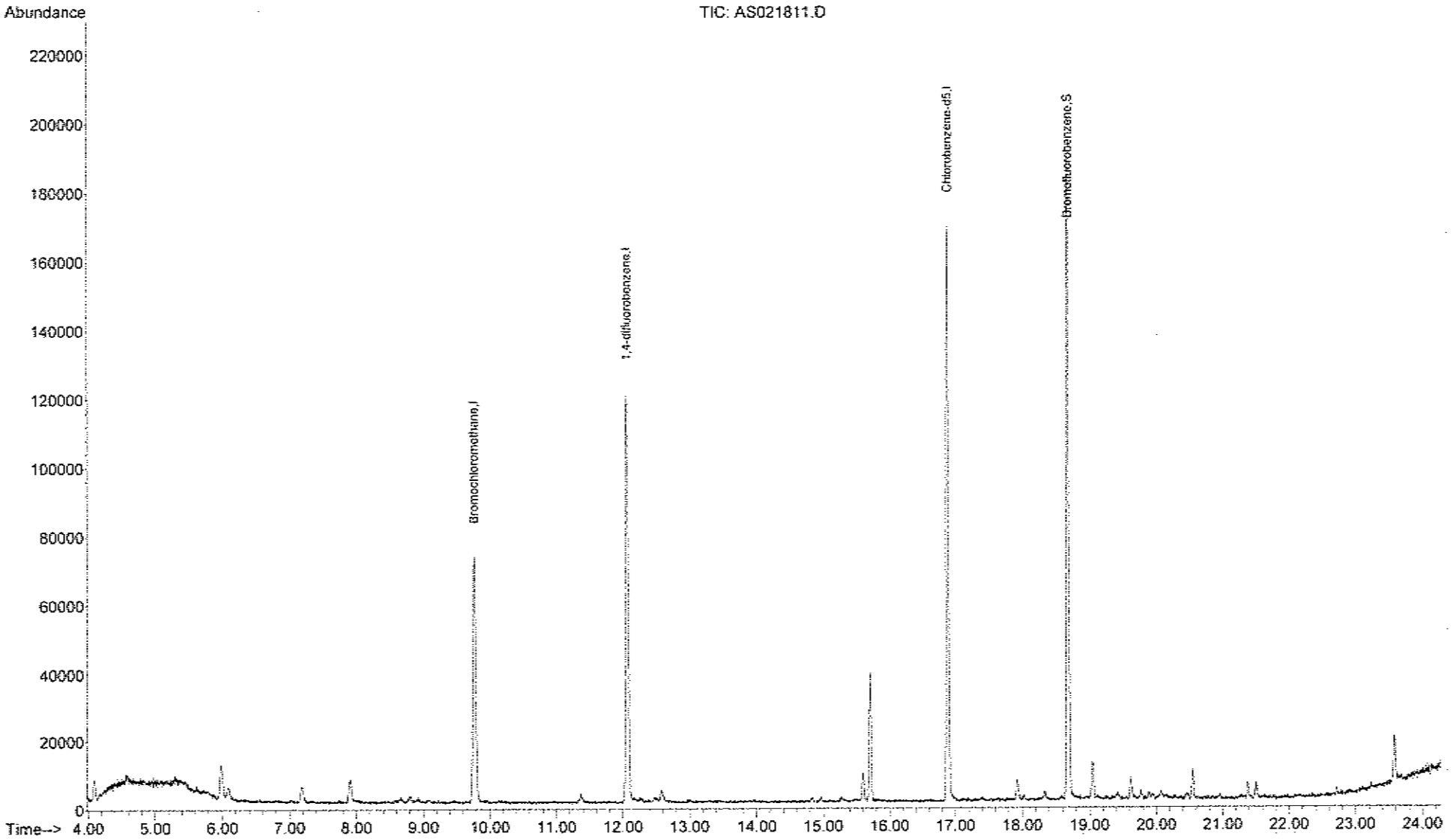
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	9.77	128	31965	1.00	ppb	-0.03
35) 1,4-difluorobenzene	12.06	114	129617	1.00	ppb	-0.03
50) Chlorobenzene-d5	16.88	117	119306	1.00	ppb	-0.02
System Monitoring Compounds						
65) Bromofluorobenzene	18.68	95	80607	0.91	ppb	-0.02
Spiked Amount 1.000	Range 70 - 130		Recovery = 91.00%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed
AS021811.D A317_1UG.M Wed May 05 10:45:05 2021 MSD1 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\2021FEB\AS021811.D Vial: 4
Acq On : 18 Feb 2021 4:29 pm Operator: RJP
Sample : WAC021821G Inst : MSD #1
Misc : A123_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 24 9:09 2021 Quant Results File: A123_1UG.RES

Method : C:\HPCHEM\1\METHODS\A317_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed May 05 08:06:45 2021
Response via : Initial Calibration



AS021811.D A317_1UG.M Wed May 05 10:45:06 2021 MSD1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\2021FEB\AS021906.D Vial: 6
Acq On : 19 Feb 2021 12:06 pm Operator: RJP
Sample : WAC021921A Inst : MSD #1
Misc : A123_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 24 07:55:40 2021 Quant Results File: A123_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A123_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Sat Jan 23 21:26:14 2021
Response via : Initial Calibration
DataAcq Meth : 1UG_ENT

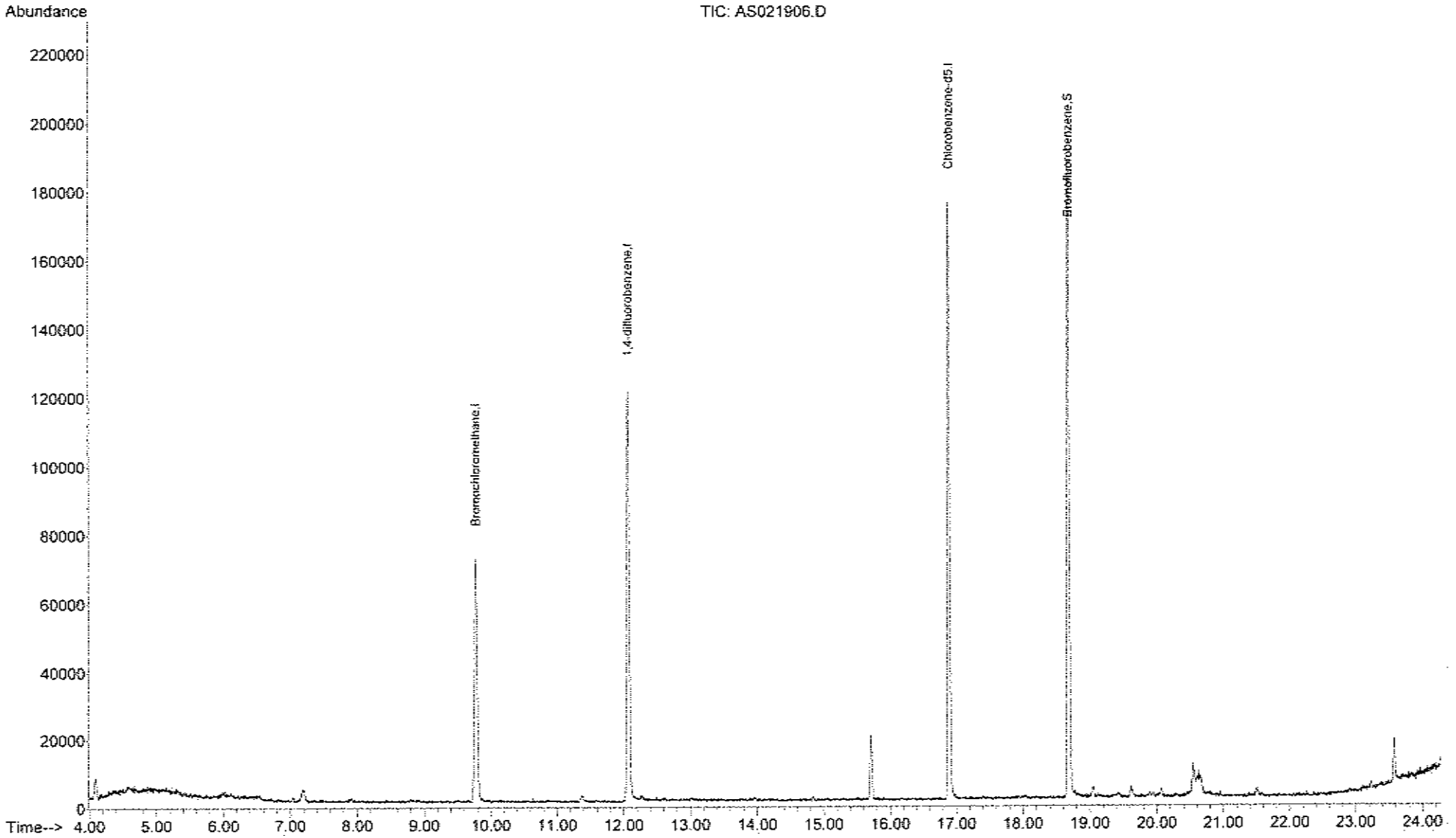
Internal Standards	R.T.	Qion	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	9.78	128	31932	1.00	ppb	-0.02
35) 1,4-difluorobenzene	12.08	114	129523	1.00	ppb	-0.02
50) Chlorobenzene-d5	16.88	117	124696	1.00	ppb	-0.02
System Monitoring Compounds						
65) Bromofluorobenzene	18.68	95	83539	0.90	ppb	-0.01
Spiked Amount 1.000	Range 70 - 130		Recovery = 90.00%			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\2021FEB\AS021906.D Vial: 6
Acq On : 19 Feb 2021 12:06 pm Operator: RJP
Sample : WAC021921A Inst : MSD #1
Misc : A123_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 24 9:02 2021 Quant Results File: A123_1UG.RES

Method : C:\HPCHEM\1\METHODS\A317_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed May 05 08:06:45 2021
Response via : Initial Calibration



AS021906.D A317_1UG.M Wed May 05 10:45:09 2021 MSD1 Page 2

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\2021FEB\AS021907.D Vial: 7
Acq On : 19 Feb 2021 12:48 pm Operator: RJP
Sample : WAC021921B Inst : MSD #1
Misc : A123_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 24 07:55:41 2021 Quant Results File: A123_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A123_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Sat Jan 23 21:26:14 2021
Response via : Initial Calibration
DataAcq Meth : 1UG_ENT

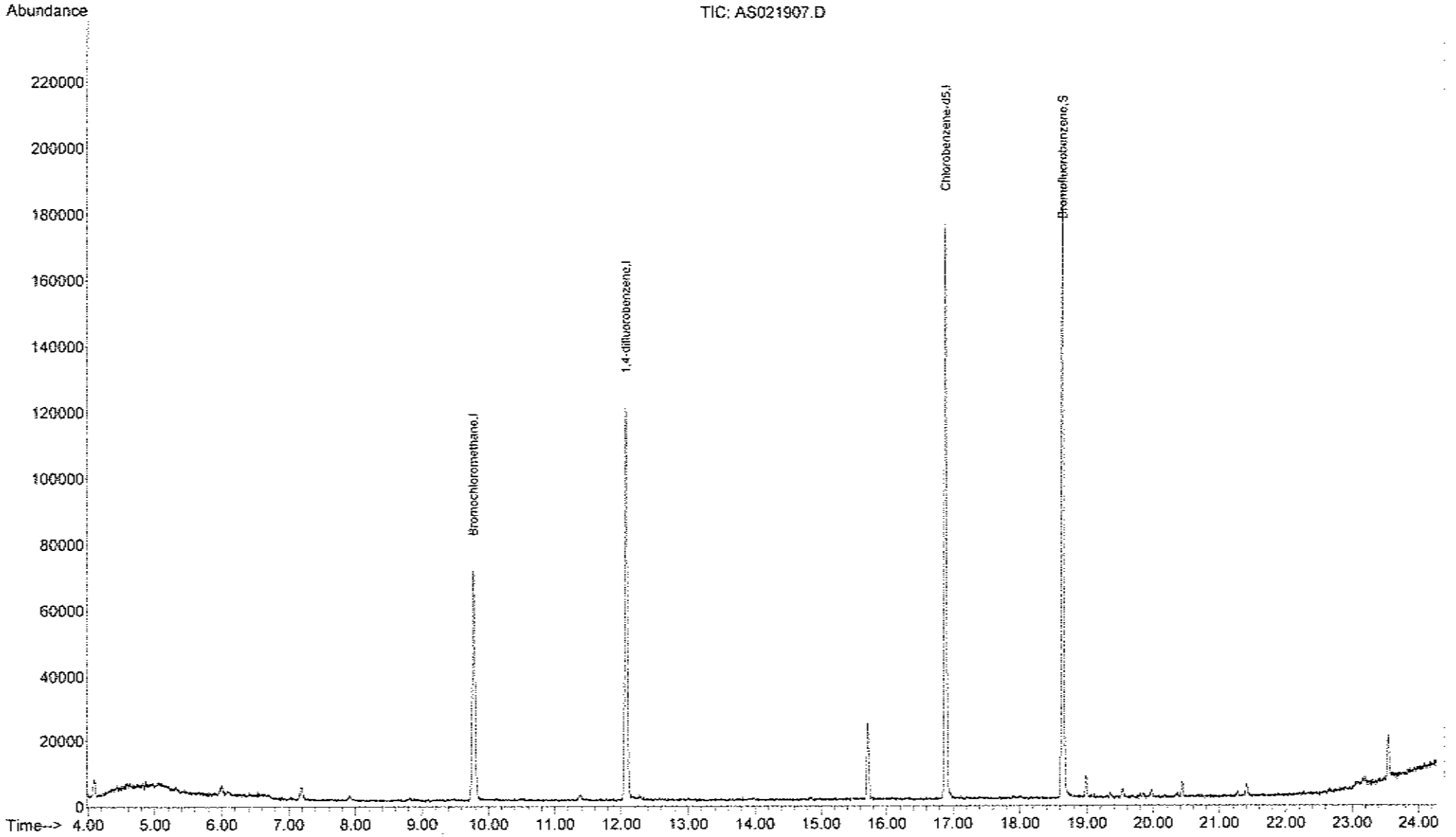
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	9.78	128	31047	1.00	ppb	-0.02
35) 1,4-difluorobenzene	12.07	114	130160	1.00	ppb	-0.02
50) Chlorobenzene-d5	16.89	117	125060	1.00	ppb	-0.02
System Monitoring Compounds						
65) Bromofluorobenzene	18.64	95	81488	0.87	ppb	-0.06
Spiked Amount 1.000	Range 70 - 130		Recovery = 87.00%			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\2021FEB\AS021907.D Vial: 7
Acq On : 19 Feb 2021 12:48 pm Operator: RJP
Sample : WAC021921B Inst : MSD #1
Misc : A123_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 24 8:55 2021 Quant Results File: A123_1UG.RES

Method : C:\HPCHEM\1\METHODS\A317_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed May 05 08:06:45 2021
Response via : Initial Calibration



AS021907.D A317_1UG.M Wed May 05 10:45:12 2021 MSD1 Page 2

APPENDIX 2

Data Usability Summary Report

DATA USABILITY SUMMARY REPORT

for

LaBella Associates, P.C.

300 State Street

Rochester, NY 14614

1500 JEFFERSON ROAD
Project 212721.02
SDG C2104038
Sampled 04/15/2021

TO-15 AIR SAMPLES

IAQ-09(04/15/21)	(C2104038-01)
OA(04/15/21)	(C2104038-02)

DATA ASSESSMENT

A TO-15 data package containing analytical results for two air samples was received from LaBella Associates, P.C. on 05May21. The ASP deliverables package included formal reports, raw data, the necessary QC, and supporting information. The samples, taken from the 1500 Jefferson Road Site, were identified by Chain of Custody documents and traceable through the work of Centek Laboratories, LLC, the laboratory contracted for analysis. The analyses were performed using US EPA Method TO-15 and addressed measurements of sixty-three volatile organic compounds. Laboratory data was evaluated according to the quality assurance / quality control requirements of the New York State Department of Environmental Conservation's Analytical Services Protocol (ASP), September 1989, Rev. 07/2005. When the required protocol was not followed, the current EPA Region II Functional Guidelines (SOP HW-31, Rev. #4, October 2006, Volatile Organic Analysis of Ambient Air in Canisters by Method TO-15) was used as a technical reference.

The results from this group of samples have been qualified as estimations because sampling was not terminated at the required canister vacuum reading.

The 1,2,4-trimethylbenzene, acetone, heptane, isopropyl alcohol, methyl ethyl ketone, methylene chloride, toluene and trichloroethene concentrations found in IAQ-09(04/15/21) have been qualified as estimations due to high spiked sample recoveries.

The presence of isopropanol in this delivery group could not be confirmed based on the mass spectra references included in the raw data. Isopropanol should be interpreted as undetected in each program sample.

CORRECTNESS AND USABILITY

Reported data should be considered technically defensible and completely usable in its present form. Reported concentrations that are felt to provide a usable estimation of the conditions being measured have been flagged "J", "U" or "UJ". Data felt to be unreliable has been identified with a single red line and flagged "R". Rejected data should not be included in data tables. Estimated data should be used with caution. A detailed discussion of the review process follows.

Two facts should be considered by all data users. No compound concentration, even if it has passed all QC testing, can be guaranteed to be accurate. Strict QC serves to increase confidence in data, but any value potentially contains error. Secondly. DATAVAL, Inc. guarantees the quality of this data assessment. However, DATAVAL, Inc. does not warrant any interpretation or utilization of this data by a third party.

Reviewer's signature:  Date: 13May21

James B. Baldwin
DATAVAL, Inc.

SAMPLE HISTORY

Analyte concentrations can deteriorate with time due to chemical instability, bacterial degradation, or volatility. Samples that are not properly preserved or are not analyzed within established holding times may no longer be considered representative. Holding times are calculated from the date of sampling. TO-15 samples must be analyzed within 14 days of collection.

It is noted that the information used to compile this portion of the report was obtained from the original Field Chain of Custody (COC), and an amended version that was submitted by the laboratory and approved by the LaBella engineer.

This group of four air samples was collected from the 1500 Jefferson Road Site 15Apr21. The samples were shipped to the laboratory, via FedEx, on the day of collection and were received the next day. Although the canisters were received in good condition, custody seals were not found on the packaging.

With the exception of IAQ-09, each sample was collected in a 1-liter SUMMA canister and set in the laboratory to collect an 8-hour sample. IAQ-09 was collected in a 1.4-liter canister to facilitate the preparation of MS/MSD samples.

Although each SUMMA canister was set in the laboratory to collect an 8-hour sample, sample collection was terminated after approximately seven hours based on each canisters' vacuum gauge reading. The post sampling vacuum readings from both samples failed to satisfied the ASP requirement of -5±1"Hg. The results from both program samples have been qualified as estimations based on this observation.

The differences observed between the post sampling vacuum readings and readings recorded at the time of laboratory receipt and the time of analysis are assumed to reflect the quality of the canister vacuum gauges.

SAMPLE	PRIOR TO SHIPMENT ("Hg)	PRIOR TO SAMPLING ("Hg)	POST SAMPLING ("Hg)	LAB RECEIPT ("Hg)	LAB ANALYSIS ("Hg)
IAQ-09 (04/15/21)	-30	-30	-9	-5	-5
OA(04/15/21)	-30	-30	-3	-0	-1

The analysis of this group of samples was completed on 22Apr21. The ASP holding time limitation was satisfied.

CANISTER CERTIFICATION

The canisters used for this project were pressure tested at 30 psig for 24 hours. Each canister demonstrated a change ≤0.5 psig over this period.

The canisters for this project were cleaned in two batches. A blank analysis of a clean canister from each batch was free of targeted analyte contamination exceeding the laboratory's reporting limit.

BLANKS

Blanks are analyzed to evaluate various sources of sample contamination. Trip Blanks monitor sampling activities, sample transport, and storage. Method blanks are analyzed to verify instrument integrity. Samples are considered compromised by conditions causing contamination in any blank.

Two method blanks were analyzed with this group of samples. Both of these blanks demonstrated acceptable chromatography and were free of targeted analyte contamination exceeding the laboratory's reporting limit.

MS TUNING

Mass spectrometer tuning and performance criteria are established to ensure sufficient mass resolution and sensitivity to accurately detect and identify targeted analytes. Verification is accomplished using a certified standard.

BFB ion abundance criteria was reported from standards that were analyzed prior to the initial instrument calibration and preceding the analysis of program samples on 20Apr21 and 21Apr21. Each of these checks satisfied the ASP acceptance criteria.

CALIBRATION

Requirements for instrument calibration are established to ensure that laboratory equipment is capable of producing accurate, quantitative data. Initial calibrations demonstrate a range through which measurements may be made. Continuing calibration check standards verify instrument stability.

The initial instrument calibration was performed on 17Mar21. Standards of 0.03, 0.04, 0.10, 0.15, 0.30, 0.50, 0.75, 1.0, 1.25, 1.50 and 2.0 ppbV were included. Each targeted analyte produced the required levels of instrument response and demonstrated an acceptable degree of linearity during this calibration.

Continuing calibration checks were performed on 20Apr21 and 21Apr21, prior to the 24-hour periods of instrument operation that included samples from this program. When compared to the initial calibration, unacceptable shifts were observed in the instrument response of benzyl chloride (43%), 1,2-dichlorobenzene (35%), 1,2,4-trichlorobezene (54%), naphthalene (44%) and hexachloro-1,3-butadiene (50%) on 21Apr21. This performance, however, warrants no concern because these analytes were not reported from the affected sample dilutions.

SURROGATES

Each sample, blank and standard is spiked with surrogate compounds prior to analysis. The structures of surrogates are similar to analytes of interest, but they are not normally found in environ-

mental samples. Surrogate recoveries are monitored to evaluate overall laboratory performance and the efficiency of laboratory technique.

Although surrogate summary sheets were properly prepared, an incorrect acceptance criteria was applied. When compared to the ASP requirements, however, an acceptable recovery was reported for each surrogate addition to this group of samples.

It is noted that a low recovery (72%) was reported for a diluted sample of IAQ-9. This performance is assumed to be the result of the high dilution (640X) and data qualifications are not required.

INTERNAL STANDARDS

Internal standards are added to each sample, blank and standard just prior to injection. Analyte concentrations are calculated relative to the response of a specific internal standard. Internal standard performance criteria ensure that GC/MS sensitivity and response are stable during the analysis of each sample. The area of internal standard peaks may not vary by more than 40%. When compared to the preceding calibration check, retention times may not vary by more than ±10 seconds.

The laboratory recorded the response of each internal standard addition to this group of samples and the response obtained from the preceding CCV standards. Although the control limits based on the response of the CCV were not reported, they were calculated by this reviewer. When compared to these limits, an acceptable response was reported for each internal standard addition to this group of samples.

Although internal standard retention times were not addressed by the laboratory, the ASP retention time acceptance criteria was calculated by this reviewer. The retention time associated with each internal standard addition to this group of samples satisfied the program acceptance criteria.

MATRIX SPIKES / MATRIX SPIKE DUPLICATES / MATRIX SPIKED BLANKS

Matrix spiking refers to the addition of known analyte concentrations to a sample, prior to analysis. Analyte recoveries provide an indication of laboratory accuracy. The analysis of a duplicate spiked aliquot provides a measurement of precision.

IAQ-09(4/15/21) was selected for matrix spiking, the entire list of targeted analytes was added to two aliquots of this sample. The recoveries reported for these spikes included high results for 1,2,4-trichlorobenzene (243%,234%), 1,2,4-trimethylbenzene (158%,158%), 1,3,5-trimethylbenzene (141%,142%), acetone (1180%), 1,3-butadiene (144%), benzene (138%), benzyl chloride (146%, 151%), cyclohexane (136%), ethyl acetate (1540%,1420%), heptane (255), hexane (1020%), isopropyl alcohol (20900%,18800%), methyl ethyl ketone (1840%,1710%), methylene chloride (230%,224%), propylene (2630%,2430%), tetrahydrofuran (32400%, 30100%), toluene (177%,168%) and trichloroethene (139%). Based on these indications of positive bias, the 1,2,4-trimethylbenzene,

acetone, heptane, isopropyl alcohol, methyl ethyl ketone, methylene chloride, toluene and trichloroethene results from IAQ-09(4/15/21) have been qualified as estimations. The remaining affected analytes produced negative results that remain unqualified.

Two pairs of spiked blanks (LCS/LCSD) were also analyzed with this group of samples. These LCS samples produced high recoveries of 1,2,4-trichlorobenzene (150%), benzyl chloride (140%) and hexachloro-1,3-butadiene (150%,144%). These indications of positive bias, however, warrant no concern because these analytes produced negative results in the affected samples.

DUPLICATES

Two aliquots of the same sample are processed separately through all aspects of sample preparation and analysis. The results produced by the analysis of this pair of samples are compared as a measurement of precision. Poor precision may be indicative of sample non-homogeneity, method defects, or poor laboratory technique.

Duplicate analyses of OA(4/15/21) were included in this group of samples. This pair of samples was analyzed from the same sample canister, and as such must be considered laboratory split duplicates and not field split duplicate samples. Sample to sample differences originating from sample collection could not be evaluated.

The results reported from this pair of samples differed by less than 25% when both individual results exceeded the laboratory's reporting limit. An acceptable level of laboratory precision was demonstrated.

REPORTED ANALYTES

Formal reports were provided for each sample. The data package also included total ion chromatograms and raw instrument printouts. Reference mass spectra were provided to confirm the identification of each analyte that was detected in this group of samples.

The presence of isopropanol in this delivery group could not be confirmed based on the mass spectra references included in the raw data. Isopropanol (IPA) should be interpreted as undetected in each program sample. Detection limits equaling the reported concentrations should be assumed.

SUMMARY OF QUALIFIED DATA

1500 JEFFERSON ROAD

SAMPLED April 15, 2021

		SAMPLING VOC	SPIKES MS1*	SPECTRA ID IPA
IAQ-09(04/15/21)	(C2011028-01)	ALL J/UJ	ALL J	1300UJ
OA(04/15/21)	(C2011028-02)	ALL J/UJ		8.8UJ

MS1 = 1,2,4-trimethylbenzene, acetone, heptane, isopropyl alcohol, methyl ethyl ketone, methylene chloride, toluene, trichloroethene

Centek Laboratories, LLC

Date: *05-May-21*

CLIENT:	LaBella Associates, P.C.	**Client Sample ID:**	IAQ-09 (4/15/21)
Lab Order:	C2104038	**Tag Number:**	1201,734
Project:	1500 Jefferson Road	**Collection Date:**	4/15/2021
Lab ID:	C2104038-001A	**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: WD
1,1,1-Trichloroethane	< 0.82 UJ	0.82		ug/m3	1	4/20/2021 4:07:00 PM
1,1,2,2-Tetrachloroethane	< 1.0 UJ	1.0		ug/m3	1	4/20/2021 4:07:00 PM
1,1,2-Trichloroethane	< 0.82 UJ	0.82		ug/m3	1	4/20/2021 4:07:00 PM
1,1-Dichloroethane	< 0.61 UJ	0.61		ug/m3	1	4/20/2021 4:07:00 PM
1,1-Dichloroethene	< 0.16 UJ	0.16		ug/m3	1	4/20/2021 4:07:00 PM
1,2,4-Trichlorobenzene	< 1.1 UJ	1.1		ug/m3	1	4/20/2021 4:07:00 PM
1,2,4-Trimethylbenzene	1.4 J	0.74		ug/m3	1	4/20/2021 4:07:00 PM
1,2-Dibromoethane	< 1.2 UJ	1.2		ug/m3	1	4/20/2021 4:07:00 PM
1,2-Dichlorobenzene	< 0.90 UJ	0.90		ug/m3	1	4/20/2021 4:07:00 PM
1,2-Dichloroethane	< 0.61 UJ	0.61		ug/m3	1	4/20/2021 4:07:00 PM
1,2-Dichloropropane	< 0.69 UJ	0.69		ug/m3	1	4/20/2021 4:07:00 PM
1,3,5-Trimethylbenzene	< 0.74 UJ	0.74		ug/m3	1	4/20/2021 4:07:00 PM
1,3-butadiene	< 0.33 UJ	0.33		ug/m3	1	4/20/2021 4:07:00 PM
1,3-Dichlorobenzene	< 0.90 UJ	0.90		ug/m3	1	4/20/2021 4:07:00 PM
1,4-Dichlorobenzene	< 0.90 UJ	0.90		ug/m3	1	4/20/2021 4:07:00 PM
1,4-Dioxane	< 1.1 UJ	1.1		ug/m3	1	4/20/2021 4:07:00 PM
2,2,4-trimethylpentane	< 0.70 UJ	0.70		ug/m3	1	4/20/2021 4:07:00 PM
4-ethyltoluene	0.69 J	0.74	J	ug/m3	1	4/20/2021 4:07:00 PM
Acetone	170 J	230	J	ug/m3	320	4/21/2021 4:34:00 PM
Allyl chloride	< 0.47 UJ	0.47		ug/m3	1	4/20/2021 4:07:00 PM
Benzene	1.1 J	0.48		ug/m3	1	4/20/2021 4:07:00 PM
Benzyl chloride	< 0.86 UJ	0.86		ug/m3	1	4/20/2021 4:07:00 PM
Bromodichloromethane	< 1.0 UJ	1.0		ug/m3	1	4/20/2021 4:07:00 PM
Bromoform	< 1.6 UJ	1.6		ug/m3	1	4/20/2021 4:07:00 PM
Bromomethane	0.43 J	0.58	J	ug/m3	1	4/20/2021 4:07:00 PM
Carbon disulfide	0.34 J	0.47	J	ug/m3	1	4/20/2021 4:07:00 PM
Carbon tetrachloride	0.50 J	0.19		ug/m3	1	4/20/2021 4:07:00 PM
Chlorobenzene	< 0.69 UJ	0.69		ug/m3	1	4/20/2021 4:07:00 PM
Chloroethane	< 0.40 UJ	0.40		ug/m3	1	4/20/2021 4:07:00 PM
Chloroform	< 0.73 UJ	0.73		ug/m3	1	4/20/2021 4:07:00 PM
Chloromethane	0.99 J	0.31		ug/m3	1	4/20/2021 4:07:00 PM
cis-1,2-Dichloroethene	< 0.16 UJ	0.16		ug/m3	1	4/20/2021 4:07:00 PM
cis-1,3-Dichloropropene	< 0.68 UJ	0.68		ug/m3	1	4/20/2021 4:07:00 PM
Cyclohexane	< 0.52 UJ	0.52		ug/m3	1	4/20/2021 4:07:00 PM
Dibromochloromethane	< 1.3 UJ	1.3		ug/m3	1	4/20/2021 4:07:00 PM
Ethyl acatate	< 0.54 UJ	0.54		ug/m3	1	4/20/2021 4:07:00 PM
Ethylbenzene	0.61 J	0.65	J	ug/m3	1	4/20/2021 4:07:00 PM
Freon 11	1.3 J	0.84		ug/m3	1	4/20/2021 4:07:00 PM
Freon 113	< 1.1 UJ	1.1		ug/m3	1	4/20/2021 4:07:00 PM
Freon 114	< 1.0 UJ	1.0		ug/m3	1	4/20/2021 4:07:00 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

Centek Laboratories, LLC

Date: *05-May-21*

CLIENT:	LaBella Associates, P.C.	**Client Sample ID:**	IAQ-09 (4/15/21)
Lab Order:	C2104038	**Tag Number:**	1201,734
Project:	1500 Jefferson Road	**Collection Date:**	4/15/2021
Lab ID:	C2104038-001A	**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: WD
Freon 12	2.6 J	0.74		ug/m3	1	4/20/2021 4:07:00 PM
Heptane	6.1 J	6.1		ug/m3	10	4/21/2021 1:10:00 AM
Hexachloro-1,3-butadiene	< 1.6 UJ	1.6		ug/m3	1	4/20/2021 4:07:00 PM
Hexane	< 0.53 UJ	0.53		ug/m3	1	4/20/2021 4:07:00 PM
Isopropyl alcohol	1300 UJ	240		ug/m3	640	4/22/2021 12:18:00 PM
m&p-Xylene	2.0 J	1.3		ug/m3	1	4/20/2021 4:07:00 PM
Methyl Butyl Ketone	< 1.2 UJ	1.2		ug/m3	1	4/20/2021 4:07:00 PM
Methyl Ethyl Ketone	4.1 J	0.88		ug/m3	1	4/20/2021 4:07:00 PM
Methyl Isobutyl Ketone	0.70 J	1.2	J	ug/m3	1	4/20/2021 4:07:00 PM
Methyl tert-butyl ether	< 0.54 UJ	0.54		ug/m3	1	4/20/2021 4:07:00 PM
Methylene chloride	5.2 J	0.52		ug/m3	1	4/20/2021 4:07:00 PM
o-Xylene	0.87 J	0.65		ug/m3	1	4/20/2021 4:07:00 PM
Propylene	< 0.26 UJ	0.26		ug/m3	1	4/20/2021 4:07:00 PM
Styrene	< 0.64 UJ	0.64		ug/m3	1	4/20/2021 4:07:00 PM
Tetrachloroethylene	0.81 J	1.0	J	ug/m3	1	4/20/2021 4:07:00 PM
Tetrahydrofuran	< 0.44 UJ	0.44		ug/m3	1	4/20/2021 4:07:00 PM
Toluene	2.7 J	0.57		ug/m3	1	4/20/2021 4:07:00 PM
trans-1,2-Dichloroethene	< 0.59 UJ	0.59		ug/m3	1	4/20/2021 4:07:00 PM
trans-1,3-Dichloropropene	< 0.68 UJ	0.68		ug/m3	1	4/20/2021 4:07:00 PM
Trichloroethene	2.4 J	0.16		ug/m3	1	4/20/2021 4:07:00 PM
Vinyl acetate	< 0.53 UJ	0.53		ug/m3	1	4/20/2021 4:07:00 PM
Vinyl Bromide	< 0.66 UJ	0.66		ug/m3	1	4/20/2021 4:07:00 PM
Vinyl chloride	< 0.10 UJ	0.10		ug/m3	1	4/20/2021 4:07:00 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	

Centek Laboratories, LLC

Date: *05-May-21*

CLIENT:	LaBella Associates, P.C.	**Client Sample ID:**	OA (4/15/21)
Lab Order:	C2104038	**Tag Number:**	550.271
Project:	1500 Jefferson Road	**Collection Date:**	4/15/2021
Lab ID:	C2104038-002A	**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: **WD**
1,1,1-Trichloroethane	< 0.82 UJ	0.82		ug/m3	1	4/20/2021 6:36:00 PM
1,1,2,2-Tetrachloroethane	< 1.0 UJ	1.0		ug/m3	1	4/20/2021 6:36:00 PM
1,1,2-Trichloroethane	< 0.82 UJ	0.82		ug/m3	1	4/20/2021 6:36:00 PM
1,1-Dichloroethane	< 0.61 UJ	0.61		ug/m3	1	4/20/2021 6:36:00 PM
1,1-Dichloroethene	< 0.16 UJ	0.16		ug/m3	1	4/20/2021 6:36:00 PM
1,2,4-Trichlorobenzene	< 1.1 UJ	1.1		ug/m3	1	4/20/2021 6:36:00 PM
1,2,4-Trimethylbenzene	< 0.74 UJ	0.74		ug/m3	1	4/20/2021 6:36:00 PM
1,2-Dibromoethane	< 1.2 UJ	1.2		ug/m3	1	4/20/2021 6:36:00 PM
1,2-Dichlorobenzene	< 0.90 UJ	0.90		ug/m3	1	4/20/2021 6:36:00 PM
1,2-Dichloroethane	< 0.61 UJ	0.61		ug/m3	1	4/20/2021 6:36:00 PM
1,2-Dichloropropane	< 0.69 UJ	0.69		ug/m3	1	4/20/2021 6:36:00 PM
1,3,5-Trimethylbenzene	< 0.74 UJ	0.74		ug/m3	1	4/20/2021 6:36:00 PM
1,3-butadiene	< 0.33 UJ	0.33		ug/m3	1	4/20/2021 6:36:00 PM
1,3-Dichlorobenzene	< 0.90 UJ	0.90		ug/m3	1	4/20/2021 6:36:00 PM
1,4-Dichlorobenzene	< 0.90 UJ	0.90		ug/m3	1	4/20/2021 6:36:00 PM
1,4-Dioxane	< 1.1 UJ	1.1		ug/m3	1	4/20/2021 6:36:00 PM
2,2,4-trimethylpentane	< 0.70 UJ	0.70		ug/m3	1	4/20/2021 6:36:00 PM
4-ethyltoluene	< 0.74 UJ	0.74		ug/m3	1	4/20/2021 6:36:00 PM
Acetone	15 J	7.1		ug/m3	10	4/21/2021 1:53:00 AM
Allyl chloride	< 0.47 UJ	0.47		ug/m3	1	4/20/2021 6:36:00 PM
Benzene	0.42 J	0.48	J	ug/m3	1	4/20/2021 6:36:00 PM
Benzyl chloride	< 0.86 UJ	0.86		ug/m3	1	4/20/2021 6:36:00 PM
Bromodichloromethane	< 1.0 UJ	1.0		ug/m3	1	4/20/2021 6:36:00 PM
Bromoform	< 1.6 UJ	1.6		ug/m3	1	4/20/2021 6:36:00 PM
Bromomethane	< 0.58 UJ	0.58		ug/m3	1	4/20/2021 6:36:00 PM
Carbon disulfide	< 0.47 UJ	0.47		ug/m3	1	4/20/2021 6:36:00 PM
Carbon tetrachloride	0.44 J	0.19		ug/m3	1	4/20/2021 6:36:00 PM
Chlorobenzene	< 0.69 UJ	0.69		ug/m3	1	4/20/2021 6:36:00 PM
Chloroethane	< 0.40 UJ	0.40		ug/m3	1	4/20/2021 6:36:00 PM
Chloroform	< 0.73 UJ	0.73		ug/m3	1	4/20/2021 6:36:00 PM
Chloromethane	0.83 J	0.31		ug/m3	1	4/20/2021 6:36:00 PM
cis-1,2-Dichloroethene	< 0.16 UJ	0.16		ug/m3	1	4/20/2021 6:36:00 PM
cis-1,3-Dichloropropene	< 0.68 UJ	0.68		ug/m3	1	4/20/2021 6:36:00 PM
Cyclohexane	< 0.52 UJ	0.52		ug/m3	1	4/20/2021 6:36:00 PM
Dibromochloromethane	< 1.3 UJ	1.3		ug/m3	1	4/20/2021 6:36:00 PM
Ethyl acetate	0.50 J	0.54	J	ug/m3	1	4/20/2021 6:36:00 PM
Ethylbenzene	< 0.65 UJ	0.65		ug/m3	1	4/20/2021 6:36:00 PM
Freon 11	1.0 J	0.84		ug/m3	1	4/20/2021 6:36:00 PM
Freon 113	< 1.1 UJ	1.1		ug/m3	1	4/20/2021 6:36:00 PM
Freon 114	< 1.0 UJ	1.0		ug/m3	1	4/20/2021 6:36:00 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

Centek Laboratories, LLC

Date: *05-May-21*

CLIENT:	LaBella Associates, P.C.	**Client Sample ID:**	OA (4/15/21)
Lab Order:	C2104038	**Tag Number:**	550,271
Project:	1500 Jefferson Road	**Collection Date:**	4/15/2021
Lab ID:	C2104038-002A	**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: WD
Freon 12	2.2 J	0.74		ug/m3	1	4/20/2021 6:36:00 PM
Heptane	< 0.61	0.61		ug/m3	1	4/20/2021 6:36:00 PM
Hexachloro-1,3-butadiene	< 1.6 UJ	1.6		ug/m3	1	4/20/2021 6:36:00 PM
Hexane	< 0.53	0.53		ug/m3	1	4/20/2021 6:36:00 PM
Isopropyl alcohol	8.8 UJ	3.7		ug/m3	10	4/21/2021 1:53:00 AM
m&p-Xylene	< 1.3 UJ	1.3		ug/m3	1	4/20/2021 6:36:00 PM
Methyl Butyl Ketone	< 1.2	1.2		ug/m3	1	4/20/2021 6:36:00 PM
Methyl Ethyl Ketone	0.65 J	0.88	J	ug/m3	1	4/20/2021 6:36:00 PM
Methyl Isobutyl Ketone	< 1.2 UJ	1.2		ug/m3	1	4/20/2021 6:36:00 PM
Methyl tert-butyl ether	< 0.54	0.54		ug/m3	1	4/20/2021 6:36:00 PM
Methylene chloride	0.87 J	0.52		ug/m3	1	4/20/2021 6:36:00 PM
o-Xylene	< 0.65	0.65		ug/m3	1	4/20/2021 6:36:00 PM
Propylene	< 0.26 UJ	0.26		ug/m3	1	4/20/2021 6:36:00 PM
Styrene	< 0.64	0.64		ug/m3	1	4/20/2021 6:36:00 PM
Tetrachloroethylene	< 1.0	1.0		ug/m3	1	4/20/2021 6:36:00 PM
Tetrahydrofuran	< 0.44	0.44		ug/m3	1	4/20/2021 6:36:00 PM
Toluene	0.60 J	0.57		ug/m3	1	4/20/2021 6:36:00 PM
trans-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	4/20/2021 6:36:00 PM
trans-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	4/20/2021 6:36:00 PM
Trichloroethene	< 0.16 UJ	0.16		ug/m3	1	4/20/2021 6:36:00 PM
Vinyl acetate	< 0.53	0.53		ug/m3	1	4/20/2021 6:36:00 PM
Vinyl Bromide	< 0.66	0.66		ug/m3	1	4/20/2021 6:36:00 PM
Vinyl chloride	< 0.10	0.10		ug/m3	1	4/20/2021 6:36:00 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

CENTEK LABORATORIES, LLC

Date: 05-May-21

QC SUMMARY REPORT
SURROGATE RECOVERIES

CLIENT: LaBella Associates, P.C.
Work Order: C2104038
Project: 1500 Jefferson Road
Test No: TO-15 **Matrix:** A

Sample ID	BR4FBZ
ALCS1UG-042021	100
ALCS1UG-042121	109
ALCS1UGD-042021	105
ALCS1UGD-042121	113
AMB1UG-042021	85.0
AMB1UG-042121	83.0
C2104038-001A	98.0
C2104038-001A MS	105
C2104038-001A MSD	102
C2104038-002A	90.0
~~C2104038-003A~~	~~88.0~~

Acronym		Surrogate	QC Limits
BR4FBZ	=	Bromofluorobenzene	47-124

* Surrogate recovery outside acceptance limits

Centek Laboratories LLC

GC/MS QA/QC Check Report

Tune File : C:\HPCHEM\1\DATA\AS042003.D
Tune Time : 20 Apr 2021 12:26 pm

Daily Calibration File : C:\HPCHEM\1\DATA\AS042003.D

AS042003
CCV 4/20/21 12:26

File	Sample	DL	(BFB) Surrogate Recovery %			(IS1) 124061 Internal Standard Responses	(IS2) 465611	(IS3) 465162
						88615	332579	332258
			9.82	12.11	16.92	53169	199547	199355
AS042004.D	ALCS1UG-042021	100				89217	335385	333942
AS042005.D	AMB1UG-042021	85				86444	320122	323571
AS042007.D	C2104038-001A	98	9.83	12.12	16.92	92259	348627	334135
AS042008.D	C2104038-001A MS	105				107899	407153	386676
AS042009.D	C2104038-001A MSD	102				111144	451492	430231
AS042010.D	C2104038-002A	90	9.82	12.11	16.92	101326	375861	353897
~~AS042011.D~~	~~C2104038-003A~~	~~88~~	~~9.82~~	~~12.11~~	~~16.92~~	~~95695~~	~~354558~~	~~329868~~
AS042017.D	ALCS1UGD-042021	105				97213	368856	344102
AS042019.D	C2104038-001A 10X	87	9.82	12.11	16.92	81361	300083	272194
AS042020.D	C2104038-002A 10X	81	9.81	12.11	16.92	80601	288527	262272
~~AS042021.D~~	~~C2104038-003A 10X~~	~~80~~	~~9.81~~	~~12.11~~	~~16.92~~	~~76420~~	~~264345~~	~~242622~~

t - fails 24hr time check * - fails criteria

Created: Wed May 05 08:23:24 2021 MSD #1/

GC/MS QA/QC Check Report

Tune File : C:\HPCHEM\1\DATA\AS042104.D
Tune Time : 21 Apr 2021 1:25 pm

Daily Calibration File : C:\HPCHEM\1\DATA\AS042104.D

AS042104 (BFB) 108153 390559 355678
CCV 4/21/21 13:25 (IS1) (IS2) (IS3)
9.83 12.12 16.93 77252 278971 254056
463511 167383 152434

File	Sample	DL	Surrogate Recovery %			Internal Standard Responses		
AS042105.D	ALCS1UG-042121	109				79503	273664	255437
AS042106.D	AMB1UG-042121	83				77342	284883	248281
AS042108.D	C2104038-001A 320X	84	9.83	12.12	16.93	79111	276892	240178
AS042117.D	ALCS1UGD-042121	113				80819	281357	267874
AS042122.D	C2104038-001A 640X	72	9.82	12.11	16.92	75659	262644	262673

t - fails 24hr time check * - fails criteria

Created: Wed May 05 08:24:48 2021 MSD #1/

CENTEK LABORATORIES, LLC

Date: *05-May-21*

ANALYTICAL QC SUMMARY REPORT

CLIENT: LaBella Associates, P.C.
Work Order: C2104038
Project: 1500 Jefferson Road

TestCode: 0.20_NYS

Sample ID: AMB1UG-042021	SampType: MBLK	TestCode: 0.20_NYS	Units: ppbV	Prep Date:	RunNo: 17523
Client ID: ZZZZZ	Batch ID: R17523	TestNo: TO-15		Analysis Date: 4/20/2021	SeqNo: 198926

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		

CLIENT: LaBella Associates, P.C.
Work Order: C2104038
Project: 1500 Jefferson Road **TestCode: 0.20_NYS**

Sample ID: AMB1UG-042021 SampType: MBLK TestCode: 0.20_NYS Units: ppbV Prep Date: RunNo: 17523
Client ID: ZZZZZ Batch ID: R17523 TestNo: TO-15 Analysis Date: 4/20/2021 SeqNo: 198926

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	0.1100	0.15									J
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:
. 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
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: LaBella Associates, P.C.
Work Order: C2104038
Project: 1500 Jefferson Road

TestCode: 0.20_NYS

Sample ID: AMB1UG-042021	SampType: MBLK	TestCode: 0.20_NYS	Units: ppbV	Prep Date:	RunNo: 17523
Client ID: ZZZZZ	Batch ID: R17523	TestNo: TO-15		Analysis Date: 4/20/2021	SeqNo: 198926

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-042121	SampType: MBLK	TestCode: 0.20_NYS	Units: ppbV	Prep Date:	RunNo: 17524
Client ID: ZZZZZ	Batch ID: R17524	TestNo: TO-15		Analysis Date: 4/21/2021	SeqNo: 198943

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: LaBella Associates, P.C.
Work Order: C2104038
Project: 1500 Jefferson Road

TestCode: 0.20_NYS

Sample ID: AMB1UG-042121	SampType: MBLK	TestCode: 0.20_NYS	Units: ppbV	Prep Date:	RunNo: 17524
Client ID: ZZZZZ	Batch ID: R17524	TestNo: TO-15		Analysis Date: 4/21/2021	SeqNo: 198943

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-buladiene	< 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
- J 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: LaBella Associates, P.C.
Work Order: C2104038
Project: 1500 Jefferson Road

TestCode: 0.20_NYS

Sample ID: **AMB1UG-042121** SampType: **MBLK** TestCode: **0.20_NYS** Units: **ppbV** Prep Date: RunNo: **17524**
Client ID: **ZZZZZ** Batch ID: **R17524** TestNo: **TO-15** Analysis Date: **4/21/2021** SeqNo: **198943**

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:

.	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		

Date: *05-May-21*

CENTEK LABORATORIES, LLC

ANALYTICAL QC SUMMARY REPORT

CLIENT: LaBella Associates, P.C.
Work Order: C2104038
Project: 1500 Jefferson Road

TestCode: 0.20_NYS

Sample ID: ALCS1UG-042021 SampType: LCS TestCode: 0.20_NYS Units: ppbV Prep Date: RunNo: 17523
Client ID: ZZZZZ Batch ID: R17523 TestNo: TO-15 Analysis Date: 4/20/2021 SeqNo: 198927

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	1.120	0.15	1	0	112	91.3	127				
1,1,2,2-Tetrachloroethane	1.080	0.15	1	0	108	78.7	121				
1,1,2-Trichloroethane	1.080	0.15	1	0	108	88.1	136				
1,1-Dichloroethane	1.090	0.15	1	0	109	86.1	123				
1,1-Dichloroethene	0.9900	0.040	1	0	99.0	70	94				S
1,2,4-Trichlorobenzene	1.250	0.15	1	0	125	76.7	112				S
1,2,4-Trimethylbenzene	1.140	0.15	1	0	114	74.3	123				
1,2-Dibromoethane	1.060	0.15	1	0	106	80.4	125				
1,2-Dichlorobenzene	1.030	0.15	1	0	103	79.5	143				
1,2-Dichloroethane	1.120	0.15	1	0	112	70.9	133				
1,2-Dichloropropane	1.050	0.15	1	0	105	91	134				
1,3,5-Trimethylbenzene	1.100	0.15	1	0	110	77.4	138				
1,3-butadiene	0.9900	0.15	1	0	99.0	71	144				
1,3-Dichlorobenzene	1.070	0.15	1	0	107	84.7	128				
1,4-Dichlorobenzene	1.140	0.15	1	0	114	77.9	131				
1,4-Dioxane	1.090	0.30	1	0	109	85.1	135				
2,2,4-trimethylpentane	1.060	0.15	1	0	106	86.9	126				
4-ethyltoluene	1.100	0.15	1	0	110	77.5	133				
Acetone	0.7600	0.30	1	0	76.0	80.2	145				S
Allyl chloride	1.110	0.15	1	0	111	86.6	117				
Benzene	1.090	0.15	1	0	109	88.9	122				
Benzyl chloride	1.290	0.15	1	0	129	73.6	120				S
Bromodichloromethane	1.130	0.15	1	0	113	84.3	133				
Bromoform	1.050	0.15	1	0	105	44.6	149				
Bromomethane	1.080	0.15	1	0	108	78.7	144				

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
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: LaBella Associates, P.C.
Work Order: C2104038
Project: 1500 Jefferson Road

TestCode: 0.20_NYS

Sample ID: ALCS1UG-042021	SampType: LCS	TestCode: 0.20_NYS	Units: ppbV	Prep Date:	RunNo: 17523
Client ID: ZZZZZ	Batch ID: R17523	TestNo: TO-15		Analysis Date: 4/20/2021	SeqNo: 198927

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Carbon disulfide	1.210	0.15	1	0	121	76.9	109				S
Carbon tetrachloride	1.120	0.030	1	0	112	71	120				
Chlorobenzene	1.030	0.15	1	0	103	82.6	121				
Chloroethane	1.020	0.15	1	0	102	67.1	146				
Chloroform	1.090	0.15	1	0	109	82.5	125				
Chloromethane	1.000	0.15	1	0	100	71.1	154				
cis-1,2-Dichloroethene	1.050	0.040	1	0	105	71.2	112				
cis-1,3-Dichloropropene	1.110	0.15	1	0	111	90.3	137				
Cyclohexane	1.070	0.15	1	0	107	87	122				
Dibromochloromethane	1.080	0.15	1	0	108	62.8	132				
Ethyl acetate	1.150	0.15	1	0	115	86.9	134				
Ethylbenzene	1.100	0.15	1	0	110	76.9	123				
Freon 11	1.010	0.15	1	0	101	54.4	150				
Freon 113	1.100	0.15	1	0	110	83.4	124				
Freon 114	1.070	0.15	1	0	107	82.4	144				
Freon 12	1.110	0.15	1	0	111	86.3	135				
Heptane	1.100	0.15	1	0	110	86.5	137				
Hexachloro-1,3-butadiene	1.200	0.15	1	0	120	78.7	120				
Hexane	1.090	0.15	1	0	109	77.3	128				
Isopropyl alcohol	0.9900	0.15	1	0	99.0	80.2	122				
m&p-Xylene	2.210	0.30	2	0	110	77.9	132				
Methyl Butyl Ketone	1.080	0.30	1	0	108	69.4	131				
Methyl Ethyl Ketone	1.080	0.30	1	0	108	71.5	117				
Methyl Isobutyl Ketone	1.080	0.30	1	0	108	63.5	141				
Methyl tert-butyl ether	1.080	0.15	1	0	108	80.8	113				
Methylene chloride	1.210	0.15	1	0.11	110	87.8	123				
o-Xylene	1.090	0.15	1	0	109	80.5	139				
Propylene	1.080	0.15	1	0	108	96.2	135				
Styrene	1.070	0.15	1	0	107	82.7	138				
Tetrachloroethylene	1.050	0.15	1	0	105	85.9	122				
Tetrahydrofuran	1.070	0.15	1	0	107	65.5	134				

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
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: LaBella Associates, P.C.
Work Order: C2104038
Project: 1500 Jefferson Road

TestCode: 0.20_NYS

Sample ID: ALCS1UG-042021	SampType: LCS	TestCode: 0.20_NYS	Units: ppbV	Prep Date:	RunNo: 17523
Client ID: ZZZZZ	Batch ID: R17523	TestNo: TO-15		Analysis Date: 4/20/2021	SeqNo: 198927

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	1.080	0.15	1	0	108	77.8	127				
trans-1,2-Dichloroethene	1.070	0.15	1	0	107	83.3	116				
trans-1,3-Dichloropropene	1.150	0.15	1	0	115	84.8	134				
Trichloroethene	1.060	0.030	1	0	106	79.3	117				
Vinyl acetate	1.070	0.15	1	0	107	70.5	101				S
Vinyl Bromide	1.030	0.15	1	0	103	81.4	142				
Vinyl chloride	0.9800	0.040	1	0	98.0	70.4	138				

Sample ID: ALCS1UG-042121	SampType: LCS	TestCode: 0.20_NYS	Units: ppbV	Prep Date:	RunNo: 17524
Client ID: ZZZZZ	Batch ID: R17524	TestNo: TO-15		Analysis Date: 4/21/2021	SeqNo: 198944

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	1.240	0.15	1	0	124	91.3	127				
1,1,2,2-Tetrachloroethane	1.220	0.15	1	0	122	78.7	121				S
1,1,2-Trichloroethane	1.180	0.15	1	0	118	88.1	136				
1,1-Dichloroethane	1.110	0.15	1	0	111	86.1	123				
1,1-Dichloroethene	0.9700	0.040	1	0	97.0	70	94				S
1,2,4-Trichlorobenzene	1.500	0.15	1	0	150	~~76~~ 65	~~132~~ 135				S
1,2,4-Trimethylbenzene	1.200	0.15	1	0	120	74.3	123				
1,2-Dibromoethane	1.190	0.15	1	0	119	80.4	125				
1,2-Dichlorobenzene	1.350	0.15	1	0	135	79.5	143				
1,2-Dichloroethane	1.120	0.15	1	0	112	70.9	133				
1,2-Dichloropropane	1.210	0.15	1	0	121	91	134				
1,3,5-Trimethylbenzene	1.280	0.15	1	0	128	77.4	138				
1,3-butadiene	1.070	0.15	1	0	107	71	144				
1,3-Dichlorobenzene	1.230	0.15	1	0	123	84.7	128				
1,4-Dichlorobenzene	1.290	0.15	1	0	129	77.9	131				
1,4-Dioxane	1.220	0.30	1	0	122	85.1	135				
2,2,4-trimethylpentane	1.170	0.15	1	0	117	86.9	126				
4-ethyltoluene	1.270	0.15	1	0	127	77.5	133				

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: LaBella Associates, P.C.
Work Order: C2104038
Project: 1500 Jefferson Road

TestCode: 0.20_NYS

Sample ID: ALCS1UG-042121	SampType: LCS	TestCode: 0.20_NYS	Units: ppbV	Prep Date:	RunNo: 17524
Client ID: ZZZZZ	Batch ID: R17524	TestNo: TO-15		Analysis Date: 4/21/2021	SeqNo: 198944

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acetone	1.110	0.30	1	0	111	80.2	145				
Allyl chloride	1.110	0.15	1	0	111	86.6	117				
Benzene	1.130	0.15	1	0	113	88.9	122				
Benzyl chloride	1.400	0.15	1	0	(140)	~~73.6~~ 65	~~120~~ 135				S
Bromodichloromethane	1.230	0.15	1	0	123	84.3	133				
Bromoform	1.170	0.15	1	0	117	44.6	149				
Bromomethane	1.110	0.15	1	0	111	78.7	144				
Carbon disulfide	1.120	0.15	1	0	112	76.9	109				S
Carbon tetrachloride	1.240	0.030	1	0	124	71	120				S
Chlorobenzene	1.150	0.15	1	0	115	82.6	121				
Chloroethane	1.070	0.15	1	0	107	67.1	146				
Chloroform	1.110	0.15	1	0	111	82.5	125				
Chloromethane	1.020	0.15	1	0	102	71.1	154				
cis-1,2-Dichloroethene	1.050	0.040	1	0	105	71.2	112				
cis-1,3-Dichloropropene	1.220	0.15	1	0	122	90.3	137				
Cyclohexane	1.140	0.15	1	0	114	87	122				
Dibromochloromethane	1.230	0.15	1	0	123	62.8	132				
Ethyl acetate	1.130	0.15	1	0	113	86.9	134				
Ethylbenzene	1.190	0.15	1	0	119	76.9	123				
Freon 11	1.180	0.15	1	0	118	54.4	150				
Freon 113	1.130	0.15	1	0	113	83.4	124				
Freon 114	1.120	0.15	1	0	112	82.4	144				
Freon 12	1.170	0.15	1	0	117	86.3	135				
Heptane	1.200	0.15	1	0	120	86.5	137				
Hexachloro-1,3-butadiene	1.500	0.15	1	0	(150)	~~78.7~~ 65	~~120~~ 135				S
Hexane	1.080	0.15	1	0	108	77.3	128				
Isopropyl alcohol	1.190	0.15	1	0	119	80.2	122				
m&p-Xylene	2.550	0.30	2	0	128	77.9	132				
Methyl Butyl Ketone	1.190	0.30	1	0	119	69.4	131				
Methyl Ethyl Ketone	1.050	0.30	1	0	105	71.5	117				
Methyl Isobutyl Ketone	1.200	0.30	1	0	120	63.5	141				

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
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: LaBella Associates. P.C.
Work Order: C2104038
Project: 1500 Jefferson Road

TestCode: 0.20_NYS

Sample ID: ALCS1UG-042121	SampType: LCS	TestCode: 0.20_NYS	Units: ppbV	Prep Date:	RunNo: 17524
Client ID: ZZZZZ	Batch ID: R17524	TestNo: TO-15		Analysis Date: 4/21/2021	SeqNo: 198944

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether	1.030	0.15	1	0	103	80.8	113				
Methylene chloride	1.140	0.15	1	0	114	87.8	123				
o-Xylene	1.300	0.15	1	0	130	80.5	139				
Propylene	1.090	0.15	1	0	109	96.2	135				
Styrene	1.280	0.15	1	0	128	82.7	138				
Tetrachloroethylene	1.210	0.15	1	0	121	85.9	122				
Tetrahydrofuran	1.060	0.15	1	0	106	65.5	134				
Toluene	1.190	0.15	1	0	119	77.8	127				
trans-1,2-Dichloroethene	1.080	0.15	1	0	108	83.3	116				
trans-1,3-Dichloropropene	1.130	0.15	1	0	113	84.8	134				
Trichloroethene	1.170	0.030	1	0	117	79.3	117				
Vinyl acetate	1.020	0.15	1	0	102	70.5	101				S
Vinyl Bromide	1.080	0.15	1	0	108	81.4	142				
Vinyl chloride	1.010	0.040	1	0	101	70.4	138				

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
- 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

Date: 05-May-21

CENTEK LABORATORIES, LLC

ANALYTICAL QC SUMMARY REPORT

CLIENT: LaBella Associates, P.C.
Work Order: C2104038
Project: 1500 Jefferson Road

TestCode: 0.20_NYS

Sample ID: **ALCS1UGD-042021** SampType: **LCSD** TestCode: **0.20_NYS** Units: **ppbV** Prep Date: RunNo: **17523**
Client ID: **ZZZZZ** Batch ID: **R17523** TestNo: **TO-15** Analysis Date: **4/20/2021** SeqNo: **198928**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	1.060	0.15	1	0	106	91.3	127	1.12	5.50	0	
1,1,2,2-Tetrachloroethane	1.050	0.15	1	0	105	78.7	121	1.08	2.82	0	
1,1,2-Trichloroethane	1.020	0.15	1	0	102	88.1	136	1.08	5.71	0	
1,1-Dichloroethane	1.020	0.15	1	0	102	86.1	123	1.09	6.64	0	
1,1-Dichloroethene	0.9800	0.040	1	0	98.0	70	94	0.99	1.02	0	S
1,2,4-Trichlorobenzene	1.320	0.15	1	0	132	76.7	112	1.25	5.45	0	S
1,2,4-Trimethylbenzene	1.180	0.15	1	0	118	74.3	123	1.14	3.45	0	
1,2-Dibromoethane	1.060	0.15	1	0	106	80.4	125	1.06	0	0	
1,2-Dichlorobenzene	1.180	0.15	1	0	118	79.5	143	1.03	13.6	0	
1,2-Dichloroethane	1.050	0.15	1	0	105	70.9	133	1.12	6.45	0	
1,2-Dichloropropane	1.010	0.15	1	0	101	91	134	1.05	3.88	0	
1,3,5-Trimethylbenzene	1.220	0.15	1	0	122	77.4	138	1.1	10.3	0	
1,3-butadiene	0.9300	0.15	1	0	93.0	71	144	0.99	6.25	0	
1,3-Dichlorobenzene	1.120	0.15	1	0	112	84.7	128	1.07	4.57	0	
1,4-Dichlorobenzene	1.200	0.15	1	0	120	77.9	131	1.14	5.13	0	
1,4-Dioxane	1.100	0.30	1	0	110	85.1	135	1.09	0.913	0	
2,2,4-trimethylpentane	1.050	0.15	1	0	105	86.9	126	1.06	0.948	0	
4-ethyltoluene	1.210	0.15	1	0	121	77.5	133	1.1	9.52	0	
Acetone	1.006	0.30	1	0	100	80.2	145	0.76	27.3	0	
Allyl chloride	1.020	0.15	1	0	102	86.6	117	1.11	8.45	0	
Benzene	1.070	0.15	1	0	107	88.9	122	1.09	1.85	0	
Benzyl chloride	1.180	0.15	1	0	118	73.6	120	1.29	8.91	0	
Bromodichloromethane	1.010	0.15	1	0	101	84.3	133	1.13	11.2	0	
Bromoform	0.9900	0.15	1	0	99.0	44.6	149	1.05	5.86	0	
Bromomethane	0.9600	0.15	1	0	96.0	78.7	144	1.08	11.8	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
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: LaBella Associates, P.C.
Work Order: C2104038
Project: 1500 Jefferson Road

TestCode: 0.20_NYS

Sample ID: **ALCS1UGD-042021** SampType: **LCSD** TestCode: **0.20_NYS** Units: **ppbV** Prep Date: RunNo: **17523**
Client ID: **ZZZZZ** Batch ID: **R17523** TestNo: **TO-15** Analysis Date: **4/20/2021** SeqNo: **198928**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Carbon disulfide	1.000	0.15	1	0	100	76.9	109	1.21	19.0	0	
Carbon tetrachloride	1.000	0.030	1	0	100	71	120	1.12	11.3	0	
Chlorobenzene	1.060	0.15	1	0	106	82.6	121	1.03	2.87	0	
Chloroethane	0.9300	0.15	1	0	93.0	67.1	146	1.02	9.23	0	
Chloroform	1.030	0.15	1	0	103	82.5	125	1.09	5.66	0	
Chloromethane	0.8800	0.15	1	0	88.0	71.1	154	1	12.8	0	
cis-1,2-Dichloroethene	1.030	0.040	1	0	103	71.2	112	1.05	1.92	0	
cis-1,3-Dichloropropene	1.040	0.15	1	0	104	90.3	137	1.11	6.51	0	
Cyclohexane	1.060	0.15	1	0	106	87	122	1.07	0.939	0	
Dibromochloromethane	1.030	0.15	1	0	103	62.8	132	1.08	4.74	0	
Ethyl acetate	1.070	0.15	1	0	107	86.9	134	1.15	7.21	0	
Ethylbenzene	1.150	0.15	1	0	115	76.9	123	1.1	4.44	0	
Freon 11	1.070	0.15	1	0	107	54.4	150	1.01	5.77	0	
Freon 113	1.050	0.15	1	0	105	83.4	124	1.1	4.65	0	
Freon 114	0.9600	0.15	1	0	96.0	82.4	144	1.07	10.8	0	
Freon 12	1.010	0.15	1	0	101	86.3	135	1.11	9.43	0	
Heptane	1.070	0.15	1	0	107	86.5	137	1.1	2.76	0	
Hexachloro-1,3-butadiene	1.320	0.15	1	0	132	78.7	120	1.2	9.52	0	S
Hexane	1.090	0.15	1	0	109	77.3	128	1.09	0	0	
Isopropyl alcohol	1.120	0.15	1	0	112	80.2	122	0.99	12.3	0	
m&p-Xylene	2.350	0.30	2	0	118	77.9	132	2.21	6.14	0	
Methyl Butyl Ketone	1.040	0.30	1	0	104	69.4	131	1.08	3.77	0	
Methyl Ethyl Ketone	1.060	0.30	1	0	106	71.5	117	1.08	1.87	0	
Methyl Isobutyl Ketone	1.030	0.30	1	0	103	63.5	141	1.08	4.74	0	
Methyl tert-butyl ether	1.120	0.15	1	0	112	80.8	113	1.08	3.64	0	
Methylene chloride	1.010	0.15	1	0.11	90.0	87.8	123	1.21	18.0	0	
o-Xylene	1.150	0.15	1	0	115	80.5	139	1.09	5.36	0	
Propylene	1.060	0.15	1	0	106	96.2	135	1.08	1.87	0	
Styrene	1.180	0.15	1	0	118	82.7	138	1.07	9.78	0	
Tetrachloroethylene	1.120	0.15	1	0	112	85.9	122	1.05	6.45	0	
Tetrahydrofuran	1.050	0.15	1	0	105	65.5	134	1.07	1.89	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
- 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: LaBella Associates, P.C.
Work Order: C2104038
Project: 1500 Jefferson Road

TestCode: 0.20_NYS

Sample ID: ALCS1UGD-042021	SampType: LCSD	TestCode: 0.20_NYS	Units: ppbV	Prep Date:	RunNo: 17523
Client ID: ZZZZZ	Batch ID: R17523	TestNo: TO-15		Analysis Date: 4/20/2021	SeqNo: 198928

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	1.150	0.15	1	0	115	77.8	127	1.08	6.28	0	
trans-1,2-Dichloroethene	1.020	0.15	1	0	102	83.3	116	1.07	4.78	0	
trans-1,3-Dichloropropene	1.040	0.15	1	0	104	84.8	134	1.15	10.0	0	
Trichloroethene	1.050	0.030	1	0	105	79.3	117	1.06	0.948	0	
Vinyl acetate	1.050	0.15	1	0	105	70.5	101	1.07	1.89	0	S
Vinyl Bromide	1.160	0.15	1	0	116	81.4	142	1.03	11.9	0	
Vinyl chloride	0.9100	0.040	1	0	91.0	70.4	138	0.98	7.41	0	

Sample ID: ALCS1UGD-042121	SampType: LCSD	TestCode: 0.20_NYS	Units: ppbV	Prep Date:	RunNo: 17524
Client ID: ZZZZZ	Batch ID: R17524	TestNo: TO-15		Analysis Date: 4/21/2021	SeqNo: 198945

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	1.230	0.15	1	0	123	91.3	127	1.24	0.810	0	
1,1,2,2-Tetrachloroethane	1.230	0.15	1	0	123	78.7	121	1.22	0.816	0	S
1,1,2-Trichloroethane	1.180	0.15	1	0	118	88.1	136	1.18	0	0	
1,1-Dichloroethane	1.120	0.15	1	0	112	86.1	123	1.11	0.897	0	
1,1-Dichloroethene	1.010	0.040	1	0	101	70	94	0.97	4.04	0	S
1,2,4-Trichlorobenzene	1.330	0.15	1	0	133	76.7	112	1.5	12.0	0	S
1,2,4-Trimethylbenzene	1.200	0.15	1	0	120	74.3	123	1.2	0	0	
1,2-Dibromoethane	1.160	0.15	1	0	116	80.4	125	1.19	2.55	0	
1,2-Dichlorobenzene	1.280	0.15	1	0	128	79.5	143	1.35	5.32	0	
1,2-Dichloroethane	1.130	0.15	1	0	113	70.9	133	1.12	0.889	0	
1,2-Dichloropropane	1.190	0.15	1	0	119	91	134	1.21	1.67	0	
1,3,5-Trimethylbenzene	1.290	0.15	1	0	129	77.4	138	1.28	0.778	0	
1,3-butadiene	1.080	0.15	1	0	108	71	144	1.07	0.930	0	
1,3-Dichlorobenzene	1.180	0.15	1	0	118	84.7	128	1.23	4.15	0	
1,4-Dichlorobenzene	1.260	0.15	1	0	126	77.9	131	1.29	2.35	0	
1,4-Dioxane	1.230	0.30	1	0	123	85.1	135	1.22	0.816	0	
2,2,4-trimethylpentane	1.160	0.15	1	0	116	86.9	126	1.17	0.858	0	
4-ethyltoluene	1.270	0.15	1	0	127	77.5	133	1.27	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
- 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: LaBella Associates, P.C.
Work Order: C2104038
Project: 1500 Jefferson Road

TestCode: 0.20_NYS

Sample ID: ALCS1UGD-042121	SampType: LCSD	TestCode: 0.20_NYS	Units: ppbV	Prep Date:	RunNo: 17524
Client ID: ZZZZZ	Batch ID: R17524	TestNo: TO-15		Analysis Date: 4/21/2021	SeqNo: 198945

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acetone	1.130	0.30	1	0	113	80.2	145	1.11	1.79	0	
Allyl chloride	1.120	0.15	1	0	112	86.6	117	1.11	0.897	0	
Benzene	1.150	0.15	1	0	115	88.9	122	1.13	1.75	0	
Benzyl chloride	1.320	0.15	1	0	132	73.6	120	1.4	5.88	0	S
Bromodichloromethane	1.210	0.15	1	0	121	84.3	133	1.23	1.64	0	
Bromoform	1.110	0.15	1	0	111	44.6	149	1.17	5.26	0	
Bromomethane	1.120	0.15	1	0	112	78.7	144	1.11	0.897	0	
Carbon disulfide	1.120	0.15	1	0	112	76.9	109	1.12	0	0	S
Carbon tetrachloride	1.200	0.030	1	0	120	71	120	1.24	3.28	0	
Chlorobenzene	1.130	0.15	1	0	113	82.6	121	1.15	1.75	0	
Chloroethane	1.060	0.15	1	0	106	67.1	146	1.07	0.939	0	
Chloroform	1.130	0.15	1	0	113	82.5	125	1.11	1.79	0	
Chloromethane	1.060	0.15	1	0	106	71.1	154	1.02	3.85	0	
cis-1,2-Dichloroethene	1.100	0.040	1	0	110	71.2	112	1.05	4.65	0	
cis-1,3-Dichloropropene	1.180	0.15	1	0	118	90.3	137	1.22	3.33	0	
Cyclohexane	1.140	0.15	1	0	114	87	122	1.14	0	0	
Dibromochloromethane	1.160	0.15	1	0	116	62.8	132	1.23	5.86	0	
Ethyl acetate	1.160	0.15	1	0	116	86.9	134	1.13	2.62	0	
Ethylbenzene	1.180	0.15	1	0	118	76.9	123	1.19	0.844	0	
Freon 11	1.050	0.15	1	0	105	54.4	150	1.18	11.7	0	
Freon 113	1.160	0.15	1	0	116	83.4	124	1.13	2.62	0	
Freon 114	1.130	0.15	1	0	113	82.4	144	1.12	0.889	0	
Freon 12	1.200	0.15	1	0	120	86.3	135	1.17	2.53	0	
Heptane	1.220	0.15	1	0	122	86.5	137	1.2	1.65	0	
Hexachloro-1,3-butadiene	1.440	0.15	1	0	144	78.7	120	1.5	4.08	0	S
Hexane	1.110	0.15	1	0	111	77.3	128	1.08	2.74	0	
Isopropyl alcohol	1.260	0.15	1	0	126	80.2	122	1.19	5.71	0	S
m&p-Xylene	2.500	0.30	2	0	125	77.9	132	2.55	1.98	0	
Methyl Butyl Ketone	1.150	0.30	1	0	115	69.4	131	1.19	3.42	0	
Methyl Ethyl Ketone	1.090	0.30	1	0	109	71.5	117	1.05	3.74	0	
Methyl Isobutyl Ketone	1.160	0.30	1	0	116	63.5	141	1.2	3.39	0	

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: LaBella Associates, P.C.
Work Order: C2104038
Project: 1500 Jefferson Road

TestCode: 0.20_NYS

Sample ID: ALCS1UGD-042121 SampType: LCSD TestCode: 0.20_NYS Units: ppbV Prep Date: RunNo: 17524
Client ID: ZZZZZ Batch ID: R17524 TestNo: TO-15 Analysis Date: 4/21/2021 SeqNo: 196945

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether	1.080	0.15	1	0	108	80.8	113	1.03	4.74	0	
Methylene chloride	1.130	0.15	1	0	113	87.8	123	1.14	0.881	0	
o-Xylene	1.290	0.15	1	0	129	80.5	139	1.3	0.772	0	
Propylene	1.190	0.15	1	0	119	96.2	135	1.09	8.77	0	
Styrene	1.270	0.15	1	0	127	82.7	138	1.28	0.784	0	
Tetrachloroethylene	1.180	0.15	1	0	118	85.9	122	1.21	2.51	0	
Tetrahydrofuran	1.120	0.15	1	0	112	65.5	134	1.06	5.50	0	
Toluene	1.150	0.15	1	0	115	77.8	127	1.19	3.42	0	
trans-1,2-Dichloroethene	1.110	0.15	1	0	111	83.3	116	1.08	2.74	0	
trans-1,3-Dichloropropene	1.130	0.15	1	0	113	84.8	134	1.13	0	0	
Trichloroethene	1.160	0.030	1	0	116	79.3	117	1.17	0.858	0	
Vinyl acetate	1.080	0.15	1	0	108	70.5	101	1.02	5.71	0	S
Vinyl Bromide	1.050	0.15	1	0	105	81.4	142	1.08	2.62	0	
Vinyl chloride	1.050	0.040	1	0	105	70.4	138	1.01	3.88	0	

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		

CENTEK LABORATORIES, LLC

Date: *05-May-21*

ANALYTICAL QC SUMMARY REPORT

CLIENT: LaBella Associates, P.C.
Work Order: C2104038
Project: 1500 Jefferson Road

TestCode: 0.20_NYS

Sample ID: **C2104038-001A MS** SampType: **MS** TestCode: **0.20_NYS** Units: **ppbV** Prep Date: RunNo: **17523**
Client ID: **IAQ-09 (4/15/21)** Batch ID: **R17523** TestNo: **TO-15** Analysis Date: **4/20/2021** SeqNo: **198930**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	1.020	0.15	1	0	102	68.1	117				
1,1,2,2-Tetrachloroethane	0.9400	0.15	1	0	94.0	82.3	101				
1,1,2-Trichloroethane	0.9100	0.15	1	0	91.0	61	128				
1,1-Dichloroethane	0.9400	0.15	1	0	94.0	76.5	118				
1,1-Dichloroethene	0.9400	0.040	1	0	94.0	45.8	128				
1,2,4-Trichlorobenzene	2.430	0.15	1	0	243	70	130				S
1,2,4-Trimethylbenzene	1.580	0.15	1	0	158	81.5	155				S
1,2-Dibromoethane	0.9900	0.15	1	0	99.0	78.7	107				
1,2-Dichlorobenzene	1.250	0.15	1	0	125	57.2	175				
1,2-Dichloroethane	0.9800	0.15	1	0	98.0	65.1	130				
1,2-Dichloropropane	0.9100	0.15	1	0	91.0	69.9	116				
1,3,5-Trimethylbenzene	1.410	0.15	1	0	141	67.6	139				S
1,3-butadiene	1.440	0.15	1	0	144	70	130				S
1,3-Dichlorobenzene	1.130	0.15	1	0	113	89.1	122				
1,4-Dichlorobenzene	1.160	0.15	1	0	116	86.8	114				S
1,4-Dioxane	1.170	0.30	1	0	117	75.1	114				S
2,2,4-trimethylpentane	1.010	0.15	1	0	101	84.2	113				
4-ethyltoluene	0.1700	0.15	1	0	17.0	70	130				S
Acetone	12.67	0.30	1	0	1270	70	130				S
Allyl chloride	0.9900	0.15	1	0	99.0	70	130				
Benzene	1.380	0.15	1	0	138	72.7	133				S
Benzyl chloride	1.480	0.15	1	0	148	72.5	129				S
Bromodichloromethane	0.9800	0.15	1	0	98.0	69.4	112				
Bromoform	1.010	0.15	1	0	101	42.5	110				
Bromomethane	0.9500	0.15	1	0	95.0	68.6	121				

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
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

Sample ID: C2104038-001A MS SampType: MS TestCode: 0.20_NYS Units: ppbV Prep Date: RunNo: 17523
Client ID: IAQ-09 (4/15/21) Batch ID: R17523 TestNo: TO-15 Analysis Date: 4/20/2021 SeqNo: 198930

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Carbon disulfide	0.9800	0.15	1	0	98.0	70	130				
Carbon tetrachloride	1.070	0.030	1	0	107	61	107				
Chlorobenzene	0.9700	0.15	1	0	97.0	76.1	131				
Chloroethane	0.8600	0.15	1	0	86.0	62.6	119				
Chloroform	1.030	0.15	1	0	103	6.54	173				
Chloromethane	1.180	0.15	1	0	118	54.4	125				
cis-1,2-Dichloroethene	0.9800	0.040	1	0	98.0	60.1	121				
cis-1,3-Dichloropropene	0.9900	0.15	1	0	99.0	60.6	122				
Cyclohexane	1.360	0.15	1	0	136	59.4	148				
Dibromochloromethane	1.010	0.15	1	0	101	71.6	102				
Ethyl acetate	15.38	0.15	1	0	1540	49.3	146				S
Ethylbenzene	1.190	0.15	1	0	119	68.5	129				
Freon 11	0.9600	0.15	1	0	96.0	44.8	143				
Freon 113	1.030	0.15	1	0	103	80.3	125				
Freon 114	0.8800	0.15	1	0	88.0	65.2	132				
Freon 12	1.330	0.15	1	0	133	67.4	103				S
Heptane	2.860	0.15	1	0	286	80.8	124				S
Hexachloro-1,3-butadiene	1.410	0.15	1	0	141	81.9	119				S
Hexane	10.95	0.15	1	0	1100	73.7	147				S
Isopropyl alcohol	208.6	0.15	1	0	20900	70	130				S
m&p-Xylene	2.610	0.30	2	0	130	74.2	123				S
Methyl Butyl Ketone	1.070	0.30	1	0	107	72.6	117				
Methyl Ethyl Ketone	18.41	0.30	1	0	1840	59.4	135				S
Methyl Isobutyl Ketone	1.090	0.30	1	0	109	61	120				
Methyl tert-butyl ether	0.9600	0.15	1	0	96.0	63.6	134				
Methylene chloride	2.300	0.15	1	0	230	53.4	125				S
o-Xylene	1.220	0.15	1	0	122	74.3	132				
Propylene	26.34	0.15	1	0	2630	70	130				S
Styrene	1.130	0.15	1	0	113	82.4	118				
Tetrachloroethylene	1.140	0.15	1	0	114	86.2	112				S
Tetrahydrofuran	324.4	0.15	1	0	32400	70	130				S

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
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: LaBella Associates, P.C.
Work Order: C2104038
Project: 1500 Jefferson Road

TestCode: 0.20_NYS

Sample ID: C2104038-001A MS	SampType: MS	TestCode: 0.20_NYS	Units: ppbV	Prep Date:	RunNo: 17523
Client ID: IAQ-09 (4/15/21)	Batch ID: R17523	TestNo: TO-15		Analysis Date: 4/20/2021	SeqNo: 198930

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	1.770	0.15	1	0	177	70	130				S
trans-1,2-Dichloroethene	1.130	0.15	1	0	113	70.9	132				
trans-1,3-Dichloropropene	1.050	0.15	1	0	105	51.9	133				
Trichloroethene	1.390	0.030	1	0	139	63.1	109				S
Vinyl acetate	1.090	0.15	1	0	109	17.3	187				
Vinyl Bromide	0.9000	0.15	1	0	90.0	71.3	121				
Vinyl chloride	0.8500	0.040	1	0	85.0	63.2	114				

Sample ID: C2104038-001A MS	SampType: MSD	TestCode: 0.20_NYS	Units: ppbV	Prep Date:	RunNo: 17523
Client ID: IAQ-09 (4/15/21)	Batch ID: R17523	TestNo: TO-15		Analysis Date: 4/20/2021	SeqNo: 198931

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	0.9700	0.15	1	0	97.0	68.1	117	1.02	5.03	0	
1,1,2,2-Tetrachloroethane	0.9400	0.15	1	0	94.0	82.3	101	0.94	0	0	
1,1,2-Trichloroethane	0.8900	0.15	1	0	89.0	61	128	0.91	2.22	0	
1,1-Dichloroethane	0.9400	0.15	1	0	94.0	76.5	118	0.94	0	0	
1,1-Dichloroethene	0.9800	0.040	1	0	98.0	45.8	126	0.94	4.17	0	
1,2,4-Trichlorobenzene	2.340	0.15	1	0	234	30.3	262	2.43	3.77	0	
1,2,4-Trimethylbenzene	1.580	0.15	1	0	158	81.5	155	1.58	0	0	S
1,2-Dibromoethane	0.9700	0.15	1	0	97.0	78.7	107	0.99	2.04	0	
1,2-Dichlorobenzene	1.240	0.15	1	0	124	57.2	175	1.25	0.803	0	
1,2-Dichloroethane	1.000	0.15	1	0	100	65.1	130	0.98	2.02	0	
1,2-Dichloropropane	0.8600	0.15	1	0	86.0	69.9	116	0.91	5.65	0	
1,3,5-Trimethylbenzene	1.420	0.15	1	0	142	67.6	139	1.41	0.707	0	S
1,3-butadiene	1.100	0.15	1	0	110	70	404	1.44	26.8	0	
1,3-Dichlorobenzene	1.170	0.15	1	0	117	89.1	122	1.13	3.48	0	
1,4-Dichlorobenzene	1.240	0.15	1	0	124	86.8	114	1.16	6.67	0	S
1,4-Dioxane	1.190	0.30	1	0	119	75.1	114	1.17	1.69	0	S
2,2,4-trimethylpentane	1.000	0.15	1	0	100	84.2	113	1.01	0.995	0	
4-ethyltoluene	0.1500	0.15	1	0	15.0	70	130	0.17	12.5	0	S

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: LaBella Associates, P.C.
Work Order: C2104038
Project: 1500 Jefferson Road

TestCode: 0.20_NYS

Sample ID: **C2104038-001A MS** SampType: **MSD** TestCode: **0.20_NYS** Units: **ppbV** Prep Date: RunNo: **17523**
Client ID: **IAQ-09 (4/15/21)** Batch ID: **R17523** TestNo: **TO-15** Analysis Date: **4/20/2021** SeqNo: **198931**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acetone	11.81	0.30	1	0	1180	70	130	12.67	7.03	0	S
Allyl chloride	1.030	0.15	1	0	103	49.7	155	0.99	3.96	0	
Benzene	1.290	0.15	1	0	129	72.7	133	1.38	6.74	0	
Benzyl chloride	1.510	0.15	1	0	151	72.5	129	1.48	2.01	0	S
Bromodichloromethane	0.9200	0.15	1	0	92.0	69.4	112	0.98	6.32	0	
Bromoform	0.9700	0.15	1	0	97.0	42.5	110	1.01	4.04	0	
Bromomethane	0.9400	0.15	1	0	94.0	68.6	121	0.95	1.06	0	
Carbon disulfide	1.000	0.15	1	0	100	70	130	0.98	2.02	0	
Carbon tetrachloride	1.010	0.030	1	0	101	61	107	1.07	5.77	0	
Chlorobenzene	0.9800	0.15	1	0	98.0	78.1	111	0.97	1.03	0	
Chloroethane	0.8300	0.15	1	0	83.0	62.6	119	0.86	3.55	0	
Chloroform	1.050	0.15	1	0	105	6.54	173	1.03	1.92	0	
Chloromethane	1.140	0.15	1	0	114	54.4	125	1.18	3.45	0	
cis-1,2-Dichloroethene	1.000	0.040	1	0	100	60.1	121	0.98	2.02	0	
cis-1,3-Dichloropropene	0.9800	0.15	1	0	98.0	60.8	122	0.99	1.02	0	
Cyclohexane	1.280	0.15	1	0	128	59.4	148	1.36	6.06	0	
Dibromochloromethane	0.9700	0.15	1	0	97.0	71.6	102	1.01	4.04	0	
Ethyl acetate	14.17	0.15	1	0	1420	49.3	146	15.38	8.19	0	S
Ethylbenzene	1.220	0.15	1	0	122	68.5	129	1.19	2.49	0	
Freon 11	0.9400	0.15	1	0	94.0	44.8	143	0.96	2.11	0	
Freon 113	1.040	0.15	1	0	104	80.3	125	1.03	0.966	0	
Freon 114	0.8800	0.15	1	0	88.0	65.2	132	0.88	0	0	
Freon 12	1.290	0.15	1	0	129	67.4	103	1.33	3.05	0	S
Heptane	2.550	0.15	1	0	255	80.8	124	2.86	11.5	0	S
Hexachloro-1,3-butadiene	1.340	0.15	1	0	134	81.9	119	1.41	5.09	0	S
Hexane	10.24	0.15	1	0	1020	73.7	147	10.95	6.70	0	S
Isopropyl alcohol	188.2	0.15	1	0	18800	70	130	208.6	10.3	0	S
m&p-Xylene	2.560	0.30	2	0	128	74.2	123	2.61	1.93	0	S
Methyl Butyl Ketone	1.090	0.30	1	0	109	72.6	117	1.07	1.85	0	
Methyl Ethyl Ketone	17.14	0.30	1	0	1710	59.4	135	18.41	7.14	0	S
Methyl Isobutyl Ketone	1.120	0.30	1	0	112	61	120	1.09	2.71	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
- 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: LaBella Associates, P.C.
Work Order: C2104038
Project: 1500 Jefferson Road

TestCode: 0.20_NYS

Sample ID: C2104038-001A MS	SampType: MSD	TestCode: 0.20_NYS	Units: ppbV	Prep Date:	RunNo: 17523
Client ID: IAQ-09 (4/15/21)	Batch ID: R17523	TestNo: TO-15		Analysis Date: 4/20/2021	SeqNo: 198931

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether	1.110	0.15	1	0	111	63.6	134	0.96	14.5	0	
Methylene chloride	2.240	0.15	1	0	224	53.4	125	2.3	2.64	0	S
o-Xylene	1.180	0.15	1	0	118	74.3	132	1.22	3.33	0	
Propylene	24.31	0.15	1	0	2430	70	130	26.34	8.02	0	S
Styrene	1.110	0.15	1	0	111	82.4	118	1.13	1.79	0	
Tetrachloroethylene	1.120	0.15	1	0	112	86.2	112	1.14	1.77	0	S
Tetrahydrofuran	301.0	0.15	1	0	30100	70	130	324.4	7.48	0	S
Toluene	1.680	0.15	1	0	168	70	130	1.77	5.22	0	S
trans-1,2-Dichloroethene	1.130	0.15	1	0	113	70.9	132	1.13	0	0	
trans-1,3-Dichloropropene	1.050	0.15	1	0	105	51.9	133	1.05	0	0	
Trichloroethene	1.320	0.030	1	0	132	63.1	109	1.39	5.17	0	S
Vinyl acetate	1.150	0.15	1	0	115	70	130	1.09	5.36	0	
Vinyl Bromide	0.8700	0.15	1	0	87.0	70	130	0.9	3.39	0	
Vinyl chloride	0.8100	0.040	1	0	81.0	63.2	114	0.85	4.82	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
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

APPENDIX 3

Safety Data Sheets Received April 15, 2021

SAFETY DATA SHEET

Darl No. 2

Section 1. Identification

GHS product identifier : Darl No. 2

Other means of identification : Not available.

Product type : Liquid.

Relevant identified uses of the substance or mixture and uses advised against

Product use : Petroleum lubricating oil

Area of application : Industrial applications.

Supplier/Manufacturer : LUBRIPLATE® Lubricants Co.
129 Lockwood St.
Newark, NJ 07105
Telephone no.: 1-973-589-9150

e-mail address of person responsible for this SDS : SDS@lubriplate.com

Emergency telephone number (with hours of operation) : CHEM-TEL 1-800-255-3924 (24 hour)

Section 2. Hazards identification

OSHA/HCS status : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification of the substance or mixture : Not classified.

Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 1.8%

GHS label elements

Signal word : No signal word.

Hazard statements : No known significant effects or critical hazards.

Precautionary statements

Prevention : Not applicable.

Response : Not applicable.

Storage : Not applicable.

Disposal : Not applicable.

Supplemental label elements : Avoid contact with skin and clothing. Wash thoroughly after handling.

Hazards not otherwise classified : Prolonged or repeated contact may dry skin and cause irritation.

Section 3. Composition/information on ingredients

Substance/mixture : Mixture

Other means of identification : Not available.

CAS number/other identifiers

CAS number : Not applicable.

Product code : Not available.

Ingredient name	Other names	%	CAS number
Distillates (petroleum), hydrotreated heavy naphthenic	Distillates (petroleum), hydrotreated heavy naphthenic	60-100	64742-52-5
Distillates (petroleum), hydrotreated light naphthenic	Distillates (petroleum), hydrotreated light naphthenic	30-60	64742-53-6

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health and hence require reporting in this section.

Section 4. First aid measures

Description of necessary first aid measures

Eye contact : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention.

Inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

Skin contact : Wash skin thoroughly with soap and water or use recognized skin cleanser. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

Ingestion : Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact : No known significant effects or critical hazards.

Inhalation : No known significant effects or critical hazards.

Skin contact : Defatting to the skin. May cause skin dryness and irritation.

Ingestion : No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact : No specific data.

Inhalation : No specific data.

Skin contact : Adverse symptoms may include the following:
irritation
dryness
cracking

Ingestion : No specific data.

Section 4. First aid measures

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Specific treatments : No specific treatment.

Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media : Use an extinguishing agent suitable for the surrounding fire.

In case of fire, use water spray (fog), foam, dry chemical or CO_2.

Unsuitable extinguishing media : None known.

Specific hazards arising from the chemical : In a fire or if heated, a pressure increase will occur and the container may burst.

Hazardous thermal decomposition products : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
sulfur oxides

Special protective actions for fire-fighters : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.

For emergency responders : If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Environmental precautions : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up

Section 6. Accidental release measures

Small spill : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill : Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7. Handling and storage

Precautions for safe handling

Protective measures : Put on appropriate personal protective equipment (see Section 8).

Advice on general occupational hygiene : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Conditions for safe storage, including any incompatibilities : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
Distillates (petroleum), hydrotreated heavy naphthenic	**ACGIH TLV (United States, 4/2014).** TWA: 5 mg/m³ 8 hours. Form: Inhalable fraction **NIOSH REL (United States, 10/2013).** TWA: 5 mg/m³ 10 hours. Form: Mist STEL: 10 mg/m³ 15 minutes. Form: Mist **OSHA PEL (United States, 2/2013).** TWA: 5 mg/m³ 8 hours.
Distillates (petroleum), hydrotreated light naphthenic	**ACGIH TLV (United States, 4/2014).** TWA: 5 mg/m³ 8 hours. Form: Inhalable fraction **NIOSH REL (United States, 10/2013).** TWA: 5 mg/m³ 10 hours. Form: Mist STEL: 10 mg/m³ 15 minutes. Form: Mist **OSHA PEL (United States, 2/2013).** TWA: 5 mg/m³ 8 hours.

Section 8. Exposure controls/personal protection

Appropriate engineering controls : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Environmental exposure controls : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

Hygiene measures : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

Skin protection

Hand protection : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Body protection : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection : Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Section 9. Physical and chemical properties

Appearance

Physical state : Liquid. [Transparent / Oily liquid.]

Color : Brown. [Dark]

Odor : Sulfurous.

Odor threshold : Not available.

pH : Not available.

Melting point : Not available.

Boiling point : >288°C (>550.4°F)

Flash point : Open cup: 180°C (356°F) [Cleveland.]

Evaporation rate : Not available.

Flammability (solid, gas) : Not applicable.

Lower and upper explosive (flammable) limits : Lower: 0.9%
Upper: 7%

Vapor pressure : <0.0013 kPa (<0.01 mm Hg) [room temperature]

Vapor density : >5 [Air = 1]

United States

Section 9. Physical and chemical properties

Relative density : 0.92 [Water = 1]

Solubility : Very slightly soluble in the following materials: hot water.
Insoluble in the following materials: cold water.

Solubility in water : Not available.

Partition coefficient: n-octanol/water : Not available.

Auto-ignition temperature : 193°C (379.4°F)

Decomposition temperature : Not available.

SADT : Not available.

Viscosity : Kinematic (40°C (104°F)): 0.46 cm^2/s (46 cSt)

Section 10. Stability and reactivity

Reactivity : No specific test data related to reactivity available for this product or its ingredients.

Chemical stability : The product is stable.

Possibility of hazardous reactions : Under normal conditions of storage and use, hazardous reactions will not occur.

Under normal conditions of storage and use, hazardous polymerization will not occur.

Conditions to avoid : Keep away from heat, sparks and flame. Keep away from all sources of ignition.

Incompatible materials : Reactive or incompatible with the following materials: oxidizing materials.
Incompatible materials: Chlorine

Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Distillates (petroleum), hydrotreated heavy naphthenic	LD50 Oral	Rat	>5000 mg/kg	-
Distillates (petroleum), hydrotreated light naphthenic	LD50 Oral	Rat	>5000 mg/kg	-

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Distillates (petroleum), hydrotreated heavy naphthenic	Skin - Severe irritant	Rabbit	-	500 milligrams	-

Sensitization

Not available.

Section 11. Toxicological information

Mutagenicity

Not available.

Carcinogenicity

Not available.

Conclusion/Summary : The mineral oils in the product contain < 3% DMSO extract (IP 346).

Reproductive toxicity

Not available.

Teratogenicity

Not available.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Name	Result
Distillates (petroleum), hydrotreated heavy naphthenic Distillates (petroleum), hydrotreated light naphthenic	ASPIRATION HAZARD - Category 1 ASPIRATION HAZARD - Category 1

Information on the likely routes of exposure : Routes of entry anticipated: Oral, Dermal, Inhalation.

Potential acute health effects

Eye contact : No known significant effects or critical hazards.

Inhalation : No known significant effects or critical hazards.

Skin contact : Defatting to the skin. May cause skin dryness and irritation.

Ingestion : No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : No specific data.

Inhalation : No specific data.

Skin contact : Adverse symptoms may include the following:
irritation
dryness
cracking

Ingestion : No specific data.

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Long term exposure

Section 11. Toxicological information

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Potential chronic health effects

Not available.

General : Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis.

Carcinogenicity : No known significant effects or critical hazards.

Mutagenicity : No known significant effects or critical hazards.

Teratogenicity : No known significant effects or critical hazards.

Developmental effects : No known significant effects or critical hazards.

Fertility effects : No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Not available.

Section 12. Ecological information

Toxicity

Not available.

Persistence and degradability

Not available.

Bioaccumulative potential

Not available.

Mobility in soil

Soil/water partition coefficient (K_{OC}) : Not available.

Other adverse effects : No known significant effects or critical hazards.

Section 13. Disposal considerations

Disposal methods : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid

Section 13. Disposal considerations

dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

	DOT Classification	IMDG	IATA
UN number	Not regulated.	Not regulated.	Not regulated.
UN proper shipping name	-	-	-
Transport hazard class(es)	-	-	-
Packing group	-	-	-
Environmental hazards	No.	No.	No.
Additional information	-	-	-

Special precautions for user : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code : Not available.

Section 15. Regulatory information

U.S. Federal regulations : **United States inventory (TSCA 8b)**: All components are listed or exempted.

Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs) : Not listed

Clean Air Act Section 602 Class I Substances : Not listed

Clean Air Act Section 602 Class II Substances : Not listed

DEA List I Chemicals (Precursor Chemicals) : Not listed

DEA List II Chemicals (Essential Chemicals) : Not listed

SARA 302/304

Composition/information on ingredients

No products were found.

SARA 304 RQ : Not applicable.

United States

Section 15. Regulatory information

SARA 311/312

Classification : Immediate (acute) health hazard

Composition/information on ingredients

Name	%	Fire hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
Distillates (petroleum), hydrotreated heavy naphthenic	60-100	No.	No.	No.	Yes.	No.
Distillates (petroleum), hydrotreated light naphthenic	30-60	No.	No.	No.	Yes.	No.

SARA 313

Not applicable.

State regulations

Massachusetts : The following components are listed: MINERAL OIL, PETROLEUM DISTILLATES, HYDROTREATED LIGHT NAPHTHENIC

New York : None of the components are listed.

New Jersey : The following components are listed: MINERAL OIL (HIGHLY REFINED); OIL MIST, MINERAL; MINERAL OIL (HIGHLY REFINED); OIL MIST, MINERAL

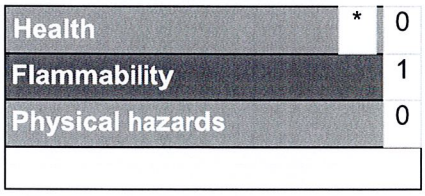
Pennsylvania : None of the components are listed.

California Prop. 65

None of the components are listed.

Section 16. Other information

Hazardous Material Information System (U.S.A.)



Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks Although HMIS® ratings are not required on SDSs under 29 CFR 1910. 1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

The customer is responsible for determining the PPE code for this material.

National Fire Protection Association (U.S.A.)

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Section 16. Other information

History

Date of issue/Date of revision	:	05/05/2015
Date of previous issue	:	No previous validation
Version	:	1
Prepared by	:	IHS
Key to abbreviations	:	ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor GHS = Globally Harmonized System of Classification and Labelling of Chemicals IATA = International Air Transport Association IBC = Intermediate Bulk Container IMDG = International Maritime Dangerous Goods LogPow = logarithm of the octanol/water partition coefficient MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution) UN = United Nations
References	:	HCS (U.S.A.)- Hazard Communication Standard International transport regulations

☑ Indicates information that has changed from previously issued version.

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.
Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

SAFETY DATA SHEET

GX COOL 2195

Section 1. Identification

GHS product identifier : GX COOL 2195

Product code : 16253.0002, 16253.0009, 16253.0014

SDS # : GAL00713

Other means of identification : Not available.

Product type : Liquid.

Relevant identified uses of the substance or mixture and uses advised against

Identified uses : Metalworking Fluid

Supplier/Manufacturer : DuBois Chemicals, Inc.
3630 E. Kemper Road
Cincinnati, Ohio 45241
Phone: 1-800-438-2647

DuBois Chemicals Canada, Inc.
1155 North Service Road West
Unit 6
Oakville, Ontario, L6M 3E3 Canada
Phone: 1-866-861-3603

Emergency telephone number : 1-866-923-4919 (US and Canada)
01-651-523-0314 (Int'l and Mexico)

Section 2. Hazards identification

OSHA/HCS status : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification of the substance or mixture : SKIN CORROSION/IRRITATION - Category 2
SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A

GHS label elements

Hazard pictograms :

Signal word : Warning

Hazard statements : Causes serious eye irritation.
Causes skin irritation.

Precautionary statements

Prevention : Wear eye/face protection. Wear protective gloves. Wash hands thoroughly after handling.

Response : IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

Storage : Not applicable.

Disposal : Not applicable.

Hazards not otherwise classified : None known.

Section 3. Composition/information on ingredients

Ingredient name	%	CAS number
Distillates (petroleum), hydrotreated light naphthenic	10 - 20	64742-53-6
2,2',2''-nitrilotriethanol	5 - 10	102-71-6

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

Eye contact : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.

Inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

Skin contact : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Ingestion : Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact : Causes serious eye irritation.

Inhalation : Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.

Skin contact : Causes skin irritation.

Ingestion : Irritating to mouth, throat and stomach.

Over-exposure signs/symptoms

Eye contact : Adverse symptoms may include the following:
pain or irritation
watering
redness

Inhalation : No specific data.

Skin contact : Adverse symptoms may include the following:
irritation
redness

Ingestion : No specific data.

Section 4. First aid measures

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician : In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

Specific treatments : No specific treatment.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media : Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing media : None known.

Specific hazards arising from the chemical : In a fire or if heated, a pressure increase will occur and the container may burst.

Hazardous thermal decomposition products : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
nitrogen oxides

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

Environmental precautions : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods for cleaning up

Small spill : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill : Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7. Handling and storage

Handling : Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Section 7. Handling and storage

Storage : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

Ingredient name	CAS #	ACGIH	OSHA	Mexico
Distillates (petroleum), hydrotreated light naphthenic	64742-53-6	TWA: 5 mg/m³ 8 hours. Form: Inhalable fraction	TWA: 5 mg/m³ 8 hours.	LMPE-PPT: 5 mg/m³ 8 hours. Form: mist LMPE-CT: 10 mg/m³ 15 minutes. Form: mist
2,2',2"-nitrilotriethanol	102-71-6	TWA: 5 mg/m³ 8 hours.		

Engineering measures : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Hygiene measures : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Personal protection

Respiratory : If a risk assessment indicates this is necessary, use a properly fitted, air-purifying or airfed respirator complying with an approved standard. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

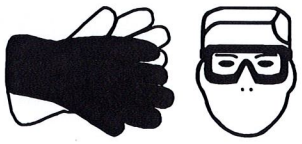
Hands : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Eyes : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. Recommended: splash goggles

Skin : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Environmental exposure controls : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Personal protective equipment (Pictograms) :



Section 9. Physical and chemical properties

Appearance

Physical state	: Liquid.
Color	: Clear to Slight Hazy Yellow. [Light]
Odor	: Amine-like. [Slight]
Odor threshold	: Not available.
pH	: 9.4 [Conc. (% w/w): 10%]
Melting point	: Not available.
Boiling point	: >100°C (>212°F)
Flash point	: Closed cup: >93.3°C (>199.9°F) [Pensky-Martens (ASTM D93)]
Burning time	: Not applicable.
Burning rate	: Not applicable.
Evaporation rate	: <1 (butyl acetate = 1)
Flammability (solid, gas)	: Not available.
Lower and upper explosive (flammable) limits	: Not available.
Vapor pressure	: Not available.
Vapor density	: Not available.
Relative density	: 0.996
Solubility	: Easily soluble in the following materials: cold water and hot water.
Solubility in water	: Not available.
Partition coefficient: n-octanol/water	: Not available.
Auto-ignition temperature	: Not available.
Decomposition temperature	: Not available.
Viscosity	: Not available.
Elemental Phosphorus	: Not available.
VOC content	: Not available.

Section 10. Stability and reactivity

Reactivity	: No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	: The product is stable.
Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	: No specific data.
Incompatible materials	: Extremely reactive or incompatible with the following materials: oxidizing materials and acids.
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Storage	: Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Section 11. Toxicological information

Information on toxicological effects

Carcinogenicity

Classification

Product/ingredient name	ACGIH	IARC	EPA	NIOSH	NTP	OSHA
Distillates (petroleum), hydrotreated light naphthenic	A4	-	-	-	-	-
2,2',2"-nitrilotriethanol	-	3	-	-	-	-

Information on the likely routes of exposure : Dermal contact. Eye contact. Inhalation.

Potential acute health effects

Eye contact : Causes serious eye irritation.

Inhalation : Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.

Skin contact : Causes skin irritation.

Ingestion : Irritating to mouth, throat and stomach.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : Adverse symptoms may include the following:
pain or irritation
watering
redness

Inhalation : No specific data.

Skin contact : Adverse symptoms may include the following:
irritation
redness

Ingestion : No specific data.

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Long term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Potential chronic health effects

Not available.

General : No known significant effects or critical hazards.

Carcinogenicity : No known significant effects or critical hazards.

Mutagenicity : No known significant effects or critical hazards.

Teratogenicity : No known significant effects or critical hazards.

Developmental effects : No known significant effects or critical hazards.

Fertility effects : No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Route	ATE value
Inhalation (dusts and mists)	10.9 mg/l

Section 12. Ecological information

Ecotoxicity : Not available.

Aquatic ecotoxicity

Not available.

Section 13. Disposal considerations

Waste disposal : The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

IATA/IMDG/DOT/TDG: Please refer to the Bill of Lading/receiving documents for up to date shipping information.

Section 15. Regulatory information

U.S. Federal regulations : **TSCA 12(b) one-time export**: No products were found.

TSCA 12(b) annual export notification: No products were found.

United States inventory (TSCA 8b): All components are listed or exempted.

EPA Registration Number : Not available.

Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs) : Not listed

SARA 302/304

Composition/information on ingredients

No products were found.

SARA 304 RQ : Not applicable.

SARA 311/312

Classification : Immediate (acute) health hazard
Delayed (chronic) health hazard

State regulations

Massachusetts : The following components are listed: MINERAL OIL, PETROLEUM DISTILLATES, HYDROTREATED LIGHT NAPHTHENIC; TRIETHANOLAMINE

New York : None of the components are listed.

New Jersey : The following components are listed: MINERAL OIL (UNTREATED and MILDLY TREATED); TRIETHANOLAMINE; ETHANOL, 2,2',2"-NITRILOTRIS-

Pennsylvania : The following components are listed: ETHANOL, 2,2',2"-NITRILOTRIS-

California Prop. 65

Not available.

Canada

Canadian lists

Canadian NPRI : None of the components are listed.

Canada inventory : All components are listed or exempted.

Canadian PCP/DIN Number : Not available.

International regulations

Section 15. Regulatory information

International lists : **Australia inventory (AICS)**: Not determined.
China inventory (IECSC): Not determined.
Japan inventory: Not determined.
Korea inventory: Not determined.
Malaysia Inventory (EHS Register): Not determined.
New Zealand Inventory of Chemicals (NZIoC): Not determined.
Philippines inventory (PICCS): Not determined.
Taiwan inventory (CSNN): Not determined.

Chemical Weapons Convention List Schedule III Chemicals : Listed

Section 16. Other information

History

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