113-117 Clinton North

MONROE COUNTY, NEW YORK

Interim Remedial Measure-Construction Completion Report and Final Engineering Report

NYSDEC Site Number: C828195

Prepared for:

Clinton North Development Corporation
c/o Tallo Properties
113-117 North Clinton Avenue
Rochester, New York 14604

Prepared by:

LaBella Associates, D.P.C
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(585) 454-6110

SEPTEMBER 2021

CERTIFICATIONS

I, Daniel P. Noll, am currently a registered professional engineer licensed by the State of New York, I had primary direct responsibility for implementation of the remedial program activities, and I certify that the Interim Remedial Action Work Plan was implemented and that all construction activities were completed in substantial conformance with the Department-approved Interim Remedial Action Work Plan.

I certify that the data submitted to the Department with this Final Engineering Report demonstrates that the remediation requirements set forth in the Interim Remedial Action Work Plan and in all applicable statutes and regulations have been or will be achieved in accordance with the time frames, if any, established for the remedy.

I certify that all documents generated in support of this report have been submitted in accordance with the DER's electronic submission protocols and have been accepted by the Department.

I certify that all data generated in support of this report have been submitted in accordance with the Department's electronic data deliverable and have been accepted by the Department.

I certify that all information and statements in this certification form are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law. I, Daniel P. Noll, of LaBella Associates, D.P.C., am certifying as Owner's Designated Site Representative for the site.

081996	9/28/2021	
NYS Professional Engineer #	Date	Signature

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LIST OF ACRONYMS

Acronym	Definition
BCA	Brownfield Cleanup Agreement
CAMP	Community Air Monitoring Program
CCR	Construction Completion Report
FER	Final Engineering Report
HASP	Health and Safety Plan
IRAWP	Interim Remedial Action Work Plan
IRMs	Interim Remedial Measures
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
PCE	Tetrachloroethylene
PE	Professional Engineer
PFE	Pressure Field Extension
PPM	Parts Per Million
RAOs	Remedial Action Objectives
SSDS	Sub-Slab Depressurization System
VOC	Volatile Organic Compound

INTERIM REMEDIAL MEASURE-CONSTRUCTION COMPLETION REPORT AND FINAL ENGINEERING REPORT

1.0 BACKGROUND AND SITE DESCRIPTION

Clinton North Development Corporation entered into a Brownfield Cleanup Agreement (BCA) with the New York State Department of Environmental Conservation (NYSDEC) in April 2017 to investigate and remediate a 0.11-acre property located in the City of Rochester, Monroe County, New York. An Interim Remedial Action was implemented by installing a Sub-Slab Depressurization System (SSDS) to mitigate soil vapor intrusion (SVI) issues within the Site building.

The Site is located in the County of Monroe, New York and is identified as Block 1 and Lot 30 on the City of Rochester Tax Map # 106.79. The Site is situated on an approximately 0.11-acre area bounded by vacant properties to the north, North Clinton Avenue to the east, and commercial properties, a park and parking lots to the east (beyond North Clinton Avenue), south and west (see Figures 1 and 2).

An electronic copy of this Interim Remedial Measure-Construction Completion Report (IRM-CCR) and Final Engineering Report (FER) with all supporting documentation is included as Appendix 2.

2.0 SUMMARY OF SITE REMEDY

2.1 REMEDIAL ACTION OBJECTIVES

Based on the results of the Remedial Investigation, the following Remedial Action Objectives (RAOs) were identified for this site as stated in the NYSDEC April 2020 Decision Document.

2.1.1 Soil Vapor RAOs

RAOs for Public Health Protection

- Mitigate impacts to public health resulting from existing, or the potential for, soil vapor intrusion into the building at the Site.

3.0 INTERIM REMEDIAL MEASURES, OPERABLE UNITS AND REMEDIAL CONTRACTS

This IRM-CCR and FER documents the SSDS installation at this Site; no prior IRMs, operable units, or separate construction contracts have been identified or performed.

4.0 DESCRIPTION OF REMEDIAL ACTIONS PERFORMED

Remedial activities completed at the Site were conducted in accordance with the NYSDEC-approved Interim Remedial Action Work Plan (IRAWP) dated October, 2017, the IRAWP Amendment (August, 2018) and sampling work plan dated November 30, 2020 for the 113-117 Clinton North site. All deviations from the IRAWP and IRAWP Amendment are described in Section 4.4.

The primary objective of the IRAWP implementation was to mitigate chlorinated VOC impacts identified in soil vapor intrusion samples collected by the NYSDEC in November 2015 by creating a vacuum under the building's floor slab. This objective was accomplished via the installation of a SSDS within the Site building.

The overall objective for the Site is its continued use for residential and commercial purposes.

The Remedial Goals in the IRAWP were as follows:

- Install a SSDS to create negative sub-slab pressure beneath the Site building's floor slab, thus mitigating soil vapor intrusion issues within the Site building.

The SSDS was installed in accordance with the NYSDOH's *Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York* dated October 2006 including subsequent updates. The majority of the system was constructed of Schedule 40 polyvinyl chloride (PVC) piping and fittings.

Between October 10, 2018 and November 30, 2018, three (3) depressurization points (designated DP-01 through DP-03) and one (1) rooftop fan (Festa Radon Technologies FRT "Force") were installed at the Site. Refer to Appendix 1 for fan specifications and Appendix 5 for a photographic log. Points DP-01 and DP-02 were installed vertically through the building's basement floor slab while DP-03 was installed horizontally through the western wall of the basement into a partial void space which underlies the western-most portion of the building's first floor. A swimming pool was reportedly previously located in this area but was filled and a

concrete floor slab (i.e., the first floor slab in this portion of the building) was poured over it.

As part of system installation, several cracks in the basement floor slab were sealed to prevent loss of vacuum during system operation.

U-Tube manometers were installed on each of the depressurization points to measure pressure differentials and thus system effectiveness. A visual and audible alarm (RadonAway Checkpoint IIA) was installed within a vertical riser. The alarm will sound and the indicator light will change from green to red if the system loses vacuum.

Following SSDS installation, a total of six (6) pressure field extension (PFE) points (designated PFE-01 through PFE-06) were installed at the Site to measure pressure differentials between the sub-slab and ambient air pressure, thus measuring system influence. Refer to Section 4.4 for additional information.

Due to void spaces beneath the floor slab in areas of the depressurization point installations, soil cuttings and/or other material requiring off-site disposal were not generated as part of the SSDS installation.

As-built drawings of the SSDS are included as Figure 4 and Figure 5.

4.1 GOVERNING DOCUMENTS

4.1.1 IRAWP

The SSDS installation was conducted in accordance with the IRAWP dated October 2017 and the IRAWP Amendment dated August 2018, with the exception of the deviations described in Section 4.4. Refer to Appendix 3 for agency approvals.

4.1.2 Site Specific Health & Safety Plan (HASP)

The HASP was included as Appendix 1 of the IRAWP. All work performed under this Interim Remedial Action was in full compliance with governmental requirements, including Site and worker safety requirements mandated by Federal OSHA.

The Health and Safety Plan (HASP) was complied with for all remedial and invasive work performed at the Site.

4.1.3 Community Air Monitoring Program (CAMP)

The CAMP was included as Appendix 2 of the IRAWP and was implemented during all ground intrusive work (i.e., the construction of SSDS depressurization points). VOC and particulate monitoring equipment was deployed and observed within the work area during construction of each SSDS depressurization point (i.e., coring a hole in the Site building's concrete floor slab). VOC and particulate readings were recorded at regular time interval. All subsurface work (and thus CAMP monitoring) was completed on October 12, 2018. Refer to Section 4.2.5 for a summary of CAMP monitoring results. VOC and particulate readings recorded during construction of SSDS depressurization points are included in Appendix 4.

4.2 REMEDIAL PROGRAM ELEMENTS

4.2.1 Contractors and Consultants

- LaBella Associates, D.P.C. (Engineering Consultant)
    - Environmental consultant responsible for correspondence with NYSDEC, coordination with tenants, ensuring compliance with applicable Site documents (i.e., IRAWP and associated addendum), environmental oversight of SSDS installation/construction, reporting, sample collection, and implementation of the CAMP. Certifying Engineer of Record- Daniel P. Noll, P.E.
- Mitigation Tech (Contractor)
    - Responsible for installing components of the SSDS located within and under the building basement.
    - Responsible for installation of the SSDS fan.
    - Responsible for patching of cracks in the basement floor slab.
- Tallo Construction (Contractor)
    - Responsible for installing exterior SSDS piping.

4.2.2 Site Preparation

LaBella and Mitigation Tech initially mobilized to the Site on October 10, 2018 to install the depressurization points within the Site building. After initial depressurization point installation, the points were sealed to prevent emissions from the sub-slab into the basement while the remainder of the system was installed.

Documentation of agency approvals required by the IRAWP is included in Appendix 3. Non-agency permits were not required for this Interim Remedial Action.

4.2.3 General Site Controls

Site security was provided by the BCP Volunteer, Clinton North Development Corporation.

4.2.4 Nuisance controls

Based upon results of the CAMP (see Section 4.2.5 and Appendix 4), no significant dust/particulate or odor control mitigation was required during implementation of the Interim Remedial Action. Contractors were diligent in their housekeeping and cleanup of work areas. Loud/disruptive work (i.e., drilling) was completed in the building basement, to which building tenants do not have access.

4.2.5 CAMP results

Prior to initiating drilling to install the depressurization points, LaBella set up air monitoring equipment in conformance with the CAMP included in the IRAWP. Air monitoring at the Site consisted of the following:

LaBella established monitoring in close proximity to the drilling locations (within a 5-ft radius of the work zone). Copies of all field data sheets relating to the CAMP are provided in electronic format in Appendix 4. Measurements were collected every 1 minute throughout the duration of the sub-slab intrusive work for that day. The specific monitoring program employed at the Site is described below:

- VOC Monitoring: A Minirae 3000 PID, capable of measuring total VOCs in parts per million (ppm), was used to screen ambient air of VOCs at the work zone. The readings were compared to the response levels and actions outlined in the CAMP included in the IRAWP.

- Background Fugitive Dust Monitoring: A DustTrak Model 8520 aerosol monitor was used for measuring particulates less than 10 micrometers in size (PM-10) at the work zone. The readings were compared the response levels and actions outlined in the CAMP included in the IRAWP.

Exceedances of particulate thresholds identified in the CAMP were measured during concrete coring as part of depressurization point installation. To mitigate the elevated particulate levels, water and a vacuum were used. Note that all concrete coring was completed in the building's basement, which is inaccessible to building tenants. Furthermore, contamination identified at the Site appears to be migrating to the Site via soil vapor from the northern adjacent property and thus is not expected to have impacted the building's concrete floor slab.

CAMP monitoring did not identify exceedances of VOC thresholds during implementation of the IRAWP.

Copies of all field data sheets relating to the CAMP are provided in Appendix 4.

4.3 REMEDIAL PERFORMANCE/DOCUMENTATION SAMPLING

In accordance with the IRAWP, PFE testing was completed to assess SSDS performance. A total of six (6) PFE points (designated PFE-01 through PFE-06) were installed at the Site to measure pressure differentials between the sub-slab and ambient air pressure, thus measuring system influence. Each point was installed by drilling through the floor slab with an approximately 0.5-inch diameter drill bit. Tubing connected to a digital micro-manometer was inserted into the hole to the bottom of the floor slab and temporarily sealed into the slab using backer rod or clay until a measurement was displayed. Measurements were collected in November 2018 and January 2019. As summarized in attached Table 1 and Figure 3, measurements from the PFE points were between -0.008 and -0.060-inches of water column ("wc), indicating proper operation of the system. Following completion of the PFE measurements, PFE points were filled with grout to prevent vapor intrusion or loss of vacuum via these points.

4.3.1 Soil Vapor Intrusion (SVI) Assessment (July 2019)

Subsequent to completing the system installation, NYSDEC/NYSDOH requested that post-mitigation indoor air sampling be completed. The SVI sampling was completed in general accordance with the document entitled *NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York* dated October 2006 and updates for PCE (September 2013), TCE (August 2015), and the soil vapor/indoor air decision matrices (May 2017). Indoor air sampling was conducted on July 17, 2019.

Indoor air samples were collected at two (2) locations in the basement that is the lowest level of the Site building. The indoor air samples were collected from approximately 3-5 feet above the floor surface and collected in the same manner and general time period. An outdoor air control sample was attempted. During the course of sampling the outdoor air sample canister was stolen; therefore, no comparisons of indoor and outdoor air can be provided. The locations of the indoor air samples are shown on Figure 5.

The samples were collected utilizing individually certified-clean 1-liter Summa® canisters equipped with laboratory calibrated flow controllers set to not exceed a flow rate of 0.2 liters per minute (L/min). The samples were collected over an approximate 8-hour time period. Immediately after opening each Summa® canister, the initial vacuum (inches of mercury) and time was noted and recorded on the laboratory chain-of-custody. After approximately 8-hours, final vacuum readings (inches of mercury) were noted and the Summa® canisters were closed. Field logs are included in Appendix 8.

Each sample was submitted to a NYSDOH Environmental Laboratory Approval Program certified laboratory for analysis of volatile organic compounds (VOCs) by United State Environmental Protection Agency (USEPA) Method TO-15. A duplicate sample and matrix spike/ matrix spike duplicate (MS/MSD) were collected for quality assurance/quality control purposes. Subsequent to receiving laboratory testing results, the laboratory report was submitted to a third party validator for a Data Usability Summary Report (DUSR).

4.3.2 SVI Assessment Sample Results (July 2019)

The sample results were compared to the guidance values listed in the NYSDOH SVI Guidance document and applicable updates. The NYSDOH SVI Guidance Document provides specific guidance values for numerous compounds in the form of Decision Matrices and Air Guideline Values. For the purposes of this assessment, the Air Guideline Values were utilized since only indoor air samples were collected. For compounds without specific guidance values, the NYSDOH SVI Guidance Appendix C includes a USEPA 2001 Building Assessment and Survey Evaluation (BASE) Database which provides background levels of commercial and public buildings for comparison purposes. For the purpose of this evaluation, the 90th percentile values were utilized. It should be noted that this database is referenced to provide a relative benchmark for comparison to the indoor air sampling data, but does not represent regulatory standards or compliance values.

No compounds detected were in exceedance of NYSDOH Air Guideline Values. For compounds without NYSDOH Air Guideline Values only chloroform was detected in 113-1 (4.0 µg/m^3), 113-3 (4.3 µg/m^3), and the duplicate sample collected from 113-1 (4.0 µg/m^3) above the USEPA BASE Database 90th Percentile value of 1.1 µg/m^3. There is no Air Guideline Value for chloroform. Refer to Table 2 for tabulated data. The laboratory report and DUSR are included as Appendix 6 and Appendix 7, respectively. The DUSR determined that sample 113-3 results are qualified as estimated due to the sampling canister collecting for only 3.75-hours instead of 8-hours. Sampling locations are shown on Figure 5.

4.3.3 Soil Vapor Intrusion (SVI) Assessment (December 2020)

The NYSDEC/NYSDOH required additional SVI sampling during the heating season as stated in a letter dated May 29, 2020. LaBella developed a letter work plan dated November 30, 2020 to complete a second sampling event within the heating season.

The SVI sampling was completed in general accordance with the document entitled *NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York* dated October 2006 and updates for PCE (September 2013), TCE (August

2015), and the soil vapor/indoor air decision matrices (May 2017). The second round of indoor air sampling was conducted from December 28-29, 2020.

Indoor air samples were collected at the same previous two (2) sampling locations in the basement that is the lowest level of the Site building. The indoor air samples were collected from approximately 3-5 feet above the floor surface and collected in the same manner and general time period. An outdoor air control sample was collected from above the roof in the same manner and general time period as the indoor air samples. The locations of the indoor and outdoor samples are shown on Figure 5.

The samples were collected utilizing individually certified-clean 1-liter Summa® canisters equipped with laboratory calibrated flow controllers set not to exceed a flow rate of 0.2 L/min. The samples were collected over an approximate 24-hour time period. Immediately after opening each Summa® canister, the initial vacuum (inches of mercury) and time was noted and recorded on the laboratory chain-of-custody. After approximately 24-hours, final vacuum readings (inches of mercury) were noted and the Summa® canisters were closed. Field logs are included in Appendix 8.

Each sample was submitted to a NYSDOH Environmental Laboratory Approval Program certified laboratory for analysis of VOCs by USEPA Method TO-15. A duplicate sample and MS/MSD were collected for quality assurance/quality control purposes. Subsequent to receiving laboratory testing results, the laboratory report was submitted to a third party validator for a DUSR.

4.3.4 SVI Assessment Sample Results (December 2020)

The sample results were compared to the guidance values listed in the NYSDOH SVI Guidance document and applicable updates as well as the USEPA BASE Database 90th Percentile values.

No compounds detected were in exceedance of NYSDOH Air Guideline Values. For compounds without NYSDOH Air Guideline Values only, chloroform was detected in IA-01 (1.9 µg/m^3), IA-02 (2.0 µg/m^3), and the duplicate sample collected from IA-01 (2.0 µg/m^3) above the USEPA BASE Database 90th Percentile value of 1.1 µg/m^3.

There is no Air Guideline Value for chloroform. Refer to Table 3 for tabulated data. The laboratory report and DUSR are included as Appendix 6 and Appendix 7, respectively. The DUSR indicated the data should be considered technically defensible and completely usable in its present form. Sampling locations are shown on Figure 5.

4.3.5 Comparison to Pre-Mitigation Testing

Pre-mitigation SVI sampling identified concentrations of PCE in the indoor air of 170 µg/m^3 and the post-mitigation sampling results from July 17, 2019 indicated concentrations of PCE of 16 µg/m^3, 17 µg/m^3, and 13 µg/m^3 in the indoor air samples. Post-mitigation sampling results from December 28-29, 2020 collected within the heating season identified concentrations of PCE of 24 µg/m^3, 23 µg/m^3, and 24 µg/m^3 which are fairly consistent with the July 2019 post-mitigation sampling results. The SSDS has been effective in reducing concentrations of PCE in indoor air during the heating season by approximately 86% from pre-mitigation levels, and to concentrations that are below the NYSDOH Air Guideline Value.

4.4 DEVIATIONS FROM THE INTERIM REMEDIAL ACTION WORK PLAN AND ADDENDA

An amendment to the original IRAWP (October, 2017) was submitted to the NYSDEC in August 2018. This amendment outlined a layout change to the originally designed SSDS based on a diagnostic test completed by Mitigation Tech. The initial system layout called for three (3) vertical depressurization points in the building's basement, and one (1) horizontal depressurization point beneath the western portion of the building, under which a basement is not present. A total of three (3) RadonAway® HS-5000 fans and three (3) exterior risers were proposed as part of this initial design.

The amendment proposed a revised system consisting of two (2) vertical depressurization points and one (1) horizontal depressurization point connected to a single exterior riser along the southern building wall, and a single RadonAway® RP-265 fan, located on the building roof. The revisions were based on diagnostic testing completed by Mitigation Tech. The revised SSDS layout was designed to reduce

stress on the system and associated system downtime by reducing the amount of the system exposed to the elements.

The final SSDS configuration reflects the proposed layout in the IRAWP Amendment with the exception of the path of the horizontal piping in the basement due to the ceiling configuration. Another minor deviation was the use of a more powerful fan, the Festa Radon Technologies FRT "Force", instead of the RadonAway® RP-265. Refer to Figure 3 for the locations of SSDS components and Figure 4 for an as-built drawing.

It should be noted that the November 30, 2020 sampling work plan indicated 8-hr sampling duration; however, based on the residential use of the building it was agreed that the sampling duration would be 24-hr for the December 2020 sampling event.

LIST OF TABLES

Table 1 - Pressure Field Extension Measurements
Construction Completion Report
113-117 North Clinton Avenue, Rochester, New York
NYSDEC BCP #C828195
LaBella Project #2161120

PFE Point	Inches of Water
PFE-01	-0.013
PFE-02	-0.045
PFE-03	-0.014
PFE-04	-0.008
PFE-05	-0.012
PFE-06	-0.060

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TABLE 2
Indoor Air Samples (July 2019)
113-117 Clinton North Avenue, Rochester, New York
NYSDEC BCP Site #C828195
Volatile Organic Compounds (VOCs) in Indoor Air

Sample ID	NYSDOH Guidance Table C2 USEPA BASE Database - 90th Percentile [2]	NYSDOH Ambient Air Guidance Values [1]	Units	113-1		113-2 (Duplicate of 113-1)		113-3	
Sample Type				Indoor Air Basement		Indoor Air Basement		Indoor Air Basement	
Sample Date				7/17/2019		7/17/2019		7/17/2019	
1,1,1-Trichloroethane	20.6	NL	ug/m^3	< 0.82		< 0.82		< 0.82	U J
1,1,2,2-Tetrachloroethane	NL	NL	ug/m^3	< 1.0		< 1.0		< 1.0	U J
1,1,2-Trichloroethane	<1.5	NL	ug/m^3	< 0.82		< 0.82		< 0.82	U J
1,1-Dichloroethane	<0.7	NL	ug/m^3	< 0.61		< 0.61		< 0.61	U J
1,1-Dichloroethene	1.4	NL	ug/m^3	< 0.16		< 0.16		< 0.16	U J
1,2,4-Trichlorobenzene	<6.8	NL	ug/m^3	< 1.1		< 1.1		< 1.1	U J
1,2,4-Trimethylbenzene	9.5	NL	ug/m^3	**4.1**	J	**4.1**		**4.4**	J
1,2-Dibromoethane	1.5	NL	ug/m^3	< 1.2		< 1.2		< 1.2	U J
1,2-Dichlorobenzene	<1.2	NL	ug/m^3	< 0.90		< 0.90		< 0.90	U J
1,2-Dichloroethane	<0.9	NL	ug/m^3	< 0.61		< 0.61		< 0.61	U J
1,2-Dichloropropane	<1.6	NL	ug/m^3	< 0.69		< 0.69		< 0.69	U J
1,3,5-Trimethylbenzene	3.7	NL	ug/m^3	**2.5**	U J	**2.6**	U	**3.5**	U J
1,3-butadiene	<3.0	NL	ug/m^3	< 0.33		< 0.33		< 0.33	U J
1,3-Dichlorobenzene	<2.4	NL	ug/m^3	< 0.90		< 0.90		< 0.90	U J
1,4-Dichlorobenzene	5.5	NL	ug/m^3	< 0.90		< 0.90		< 0.90	U J
1,4-Dioxane	NL	NL	ug/m^3	< 1.1		< 1.1		< 1.1	U J
2,2,4-trimethylpentane	NL	NL	ug/m^3	**3.2**		**3.2**		**3.3**	J
4-ethyltoluene	3.6	NL	ug/m^3	**1.1**	J	**0.93**		**1.0**	J
Acetone	98.9	NL	ug/m^3	**27**		**34**		**25**	J
Allyl chloride	NL	NL	ug/m^3	< 0.47		< 0.47		< 0.47	U J
Benzene	9.4	NL	ug/m^3	**2.1**		**2.1**		**2.1**	J
Benzyl chloride	<6.8	NL	ug/m^3	< 0.86		< 0.86		< 0.86	U J
Bromodichloromethane	NL	NL	ug/m^3	< 1.0		< 1.0		< 1.0	U J
Bromoform	NL	NL	ug/m^3	< 1.6		< 1.6		< 1.6	U J
Bromomethane	<1.7	NL	ug/m^3	< 0.58		< 0.58		< 0.58	U J
Carbon disulfide	4.2	NL	ug/m^3	< 0.47		< 0.47		**0.34**	J
Carbon tetrachloride	<1.3	NL	ug/m^3	**0.63**		**0.57**		**0.63**	J
Chlorobenzene	<0.9	NL	ug/m^3	< 0.69		< 0.69		< 0.69	U J
Chloroethane	<1.1	NL	ug/m^3	< 0.40		< 0.40		< 0.40	U J
Chloroform	1.1	NL	ug/m^3	**4.0**		**4.0**		**4.3**	J
Chloromethane	3.7	NL	ug/m^3	**1.6**		**1.7**		**1.9**	J
cis-1,2-Dichloroethene	<1.9	NL	ug/m^3	< 0.16		< 0.16		< 0.16	U J
cis-1,3-Dichloropropene	<2.3	NL	ug/m^3	< 0.68		< 0.68		< 0.68	U J
Cyclohexane	NL	NL	ug/m^3	**1.5**		**1.4**		**1.4**	J
Dibromochloromethane	NL	NL	ug/m^3	< 1.3		< 1.3		< 1.3	U J
Ethyl acetate	5.4	NL	ug/m^3	**1.1**		**1.6**		**0.97**	J
Ethylbenzene	5.7	NL	ug/m^3	**1.5**	J	**1.7**		**1.6**	J
Freon 11	NL	NL	ug/m^3	**1.7**		**1.5**		**1.6**	J
Freon 113	NL	NL	ug/m^3	< 1.1		< 1.1		< 1.1	U J
Freon 114	NL	NL	ug/m^3	< 1.0		< 1.0		< 1.0	U J
Freon 12	NL	NL	ug/m^3	< 0.74		3.7		4.1	U J
Heptane	NL	NL	ug/m^3	**2.3**		**2.1**		**2.2**	J
Hexachloro-1,3-butadiene	<6.8	NL	ug/m^3	< 1.6	U J	< 1.6	U J	< 1.6	U J
Hexane	NL	NL	ug/m^3	**4.8**		**4.8**		**5.0**	J
Isopropyl alcohol	NL	NL	ug/m^3	**58**		**56**		**52**	J
m&p-Xylene	NL	NL	ug/m^3	**5.7**	J	**6.4**		**6.1**	J
Methyl Butyl Ketone	NL	NL	ug/m^3	< 1.2		< 1.2		< 1.2	U J
Methyl Ethyl Ketone	NL	NL	ug/m^3	**5.0**		**5.0**		**4.9**	J
Methyl Isobutyl Ketone	NL	NL	ug/m^3	< 1.2		< 1.2		< 1.2	U J
Methyl tert-butyl ether	NL	NL	ug/m^3	< 0.54		< 0.54		< 0.54	U J
Methylene chloride	10.0	60	ug/m^3	**1.7**		**1.7**		**1.5**	J
o-Xylene	7.9	NL	ug/m^3	**2.0**	J	**2.2**		**2.2**	J
Propylene	NL	NL	ug/m^3	< 0.26		< 0.26		< 0.26	U J
Styrene	1.9	NL	ug/m^3	**1.2**	J	**1.2**		**1.2**	J
Tetrachloroethylene (PCE)	15.9	30	ug/m^3	**16**	J	**17**		**13**	J
Tetrahydrofuran	NL	NL	ug/m^3	< 0.44		< 0.44		< 0.44	U J
Toluene	43.0	NL	ug/m^3	**6.7**	J	**7.5**		**8.2**	J
trans-1,2-Dichloroethene	NL	NL	ug/m^3	< 0.59		< 0.59		< 0.59	U J
trans-1,3-Dichloropropene	<1.3	NL	ug/m^3	< 0.68		< 0.68		< 0.68	U J
Trichloroethene (TCE)	4.2	2	ug/m^3	**0.38**		< 0.16		< 0.16	U J
Vinyl acetate	NL	NL	ug/m^3	< 0.53		< 0.53		< 0.53	U J
Vinyl Bromide	NL	NL	ug/m^3	< 0.66		< 0.66		< 0.66	U J
Vinyl chloride	<1.9	NL	ug/m^3	< 0.10		< 0.10		< 0.10	U J

Notes:
Concentrations 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 (Refer to Footnote "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.

U indicates presence of compound cannot be verified per the Data Useability Summary Report
J indicates an estimated value
Bold type denotes that the compound was detected at a concentration that was identified in exceedance of the laboratory method detection limit.
Yellow Highlight indicates the compound was detected at a concentration that was found to exceed NYSDOH Guidance 90th Percentile Database Value
Data was validated

TABLE 3
Indoor Air Samples (December 2020)
113-117 Clinton North Avenue, Rochester, New York
NYSDEC BCP Site #C828195
Volatile Organic Compounds (VOCs) in Indoor Air

Sample ID	NYSDOH Guidance Table C2 USEPA BASE Database - 90th Percentile [2]	NYSDOH Ambient Air Guidance Values [1]	Units	IA-01		IA-02 (MS/MSD)		OA-01		Duplicate (Parent: IA-01)	
Sample Type				Indoor Air Basement		Indoor Air Basement		Outdoor Air		Indoor Air Basement	
Sample Date				12/28-12/29/2020		12/28-12/29/2020		12/28-12/29/2020		12/28-12/29/2020	
1,1,1-Trichloroethane	20.6	NL	ug/m3	< 0.82		< 0.82	UJ	< 0.82		< 0.82	UJ
1,1,2,2-Tetrachloroethane	NL	NL	ug/m3	< 1.0		< 1.0	UJ	< 1.0		< 1.0	UJ
1,1,2-Trichloroethane	<1.5	NL	ug/m3	< 0.82		< 0.82	UJ	< 0.82		< 0.82	UJ
1,1-Dichloroethane	<0.7	NL	ug/m3	< 0.61		< 0.61	UJ	< 0.61		< 0.61	UJ
1,1-Dichloroethene	1.4	NL	ug/m3	< 0.16		< 0.16	UJ	< 0.16		< 0.16	UJ
1,2,4-Trichlorobenzene	<6.8	NL	ug/m3	< 1.1		< 1.1	UJ	< 1.1		< 1.1	UJ
1,2,4-Trimethylbenzene	9.5	NL	ug/m3	**1.1**	J	**1.0**	J	< 0.74		**1.2**	J
1,2-Dibromoethane	1.5	NL	ug/m3	< 1.2		< 1.2	UJ	< 1.2		< 1.2	UJ
1,2-Dichlorobenzene	<1.2	NL	ug/m3	< 0.90		< 0.90	UJ	< 0.90		< 0.90	UJ
1,2-Dichloroethane	<0.9	NL	ug/m3	< 0.61		< 0.61	UJ	< 0.61		< 0.61	UJ
1,2-Dichloropropane	<1.6	NL	ug/m3	< 0.69		< 0.69	UJ	< 0.69		< 0.69	UJ
1,3,5-Trimethylbenzene	3.7	NL	ug/m3	**2.0**		**1.6**	J	< 0.74		**1.7**	J
1,3-butadiene	<3.0	NL	ug/m3	< 0.33		< 0.33	UJ	< 0.33		< 0.33	UJ
1,3-Dichlorobenzene	<2.4	NL	ug/m3	< 0.90		< 0.90	UJ	< 0.90		< 0.90	UJ
1,4-Dichlorobenzene	5.5	NL	ug/m3	< 0.90		< 0.90	UJ	< 0.90		< 0.90	UJ
1,4-Dioxane	NL	NL	ug/m3	< 1.1		< 1.1	UJ	< 1.1		< 1.1	UJ
2,2,4-trimethylpentane	NL	NL	ug/m3	< 0.70		< 0.70	UJ	< 0.70		< 0.70	UJ
4-ethyltoluene	3.6	NL	ug/m3	< 0.74		< 0.74	UJ	< 0.74		< 0.74	UJ
Acetone	98.9	NL	ug/m3	**37**		**28**	J	**10**		**28**	J
Allyl chloride	NL	NL	ug/m3	< 0.47		< 0.47	UJ	< 0.47		< 0.47	UJ
Benzene	9.4	NL	ug/m3	**0.83**		**0.73**	J	**0.45**	J	**0.80**	J
Benzyl chloride	<6.8	NL	ug/m3	< 0.86		< 0.86	UJ	< 0.86		< 0.86	UJ
Bromodichloromethane	NL	NL	ug/m3	< 1.0		< 1.0	UJ	< 1.0		< 1.0	UJ
Bromoform	NL	NL	ug/m3	< 1.6		< 1.6	UJ	< 1.6		< 1.6	UJ
Bromomethane	<1.7	NL	ug/m3	< 0.58		< 0.58	UJ	< 0.58		< 0.58	UJ
Carbon disulfide	4.2	NL	ug/m3	**0.37**	J	< 0.47	UJ	**0.47**		< 0.47	UJ
Carbon tetrachloride	<1.3	NL	ug/m3	**0.57**		**0.50**	J	**0.57**		**0.57**	J
Chlorobenzene	<0.9	NL	ug/m3	< 0.69		< 0.69	UJ	< 0.69		< 0.69	UJ
Chloroethane	<1.1	NL	ug/m3	< 0.40		< 4.0	UJ	< 0.40		< 0.40	UJ
Chloroform	1.1	NL	ug/m3	**1.9**		**2.0**	J	< 0.73		**2.0**	J
Chloromethane	3.7	NL	ug/m3	< 0.31		< 0.30	UJ	**0.89**		< 0.31	UJ
cis-1,2-Dichloroethene	<1.9	NL	ug/m3	< 0.16		< 0.16	UJ	< 0.16		< 0.16	UJ
cis-1,3-Dichloropropene	<2.3	NL	ug/m3	< 0.68		< 0.68	UJ	< 0.68		< 0.68	UJ
Cyclohexane	NL	NL	ug/m3	**0.38**	J	< 0.52	UJ	< 0.52		< 0.52	UJ
Dibromochloromethane	NL	NL	ug/m3	< 1.3		< 1.3	UJ	< 1.3		< 1.3	UJ
Ethyl acetate	5.4	NL	ug/m3	**1.2**		**1.2**	J	< 0.54		**1.3**	J
Ethylbenzene	5.7	NL	ug/m3	**0.48**	J	**0.48**	J	< 0.65		**0.48**	J
Freon 11	NL	NL	ug/m3	**1.3**		**1.3**	J	**1.2**		**1.4**	J
Freon 113	NL	NL	ug/m3	< 1.1		< 1.1	UJ	< 1.1		< 1.1	UJ
Freon 114	NL	NL	ug/m3	< 1.0		< 1.0	UJ	< 1.0		< 1.0	UJ
Freon 12	NL	NL	ug/m3	**2.3**		**2.2**	J	**2.4**		**2.4**	J
Heptane	NL	NL	ug/m3	**0.98**		**0.94**	J	< 0.61		**1.0**	J
Hexachloro-1,3-butadiene	<6.8	NL	ug/m3	< 1.6		< 1.6	UJ	< 1.6		< 1.6	UJ
Hexane	NL	NL	ug/m3	**0.74**		**0.74**	J	< 0.53		**0.81**	J
Isopropyl alcohol	NL	NL	ug/m3	**27**	U	**28**	UJ	**3.9**	U	**20**	UJ
m&p-Xylene	NL	NL	ug/m3	**1.6**		**1.6**	J	< 1.3		**1.6**	J
Methyl Butyl Ketone	NL	NL	ug/m3	< 1.2		< 1.2	UJ	< 1.2		< 1.2	UJ
Methyl Ethyl Ketone	NL	NL	ug/m3	**4.5**		**4.5**	J	**0.59**	J	**4.9**	J
Methyl Isobutyl Ketone	NL	NL	ug/m3	**0.66**	J	**0.70**	J	< 1.2		< 1.2	UJ
Methyl tert-butyl ether	NL	NL	ug/m3	< 0.54		< 0.54	UJ	< 0.54		< 0.54	J
Methylene chloride	10.0	60	ug/m3	**2.3**		**2.4**	J	**0.52**		**2.5**	J
o-Xylene	7.9	NL	ug/m3	**0.65**		**0.61**	J	< 0.65		**0.61**	J
Propylene	NL	NL	ug/m3	< 0.26		< 0.26	UJ	< 0.26		< 0.26	UJ
Styrene	1.9	NL	ug/m3	**0.89**		**0.89**	J	< 0.64		**0.89**	J
Tetrachloroethylene (PCE)	15.9	30	ug/m3	**24**		**23**	J	< 1.0		**24**	J
Tetrahydrofuran	NL	NL	ug/m3	**1.3**		**1.4**	J	< 0.44		**1.3**	J
Toluene	43.0	NL	ug/m3	**4.3**		**4.3**	J	**0.41**	J	**4.1**	J
trans-1,2-Dichloroethene	NL	NL	ug/m3	< 0.59		< 0.59	UJ	< 0.59		< 0.59	UJ
trans-1,3-Dichloropropene	<1.3	NL	ug/m3	< 0.68		< 0.68	UJ	< 0.68		< 0.68	UJ
Trichloroethene (TCE)	4.2	2	ug/m3	**0.64**		**0.59**	J	< 0.16		**0.70**	J
Vinyl acetate	NL	NL	ug/m3	< 0.53		< 0.53	UJ	< 0.53		< 0.53	UJ
Vinyl Bromide	NL	NL	ug/m3	< 0.66		< 0.66	UJ	< 0.66		< 0.66	UJ
Vinyl chloride	<1.9	NL	ug/m3	< 0.10		< 0.10	UJ	< 0.10		< 0.10	UJ

Notes:
Concentrations in micrograms per cubic meter (ug/m3)
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 (Refer to Footnote "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.

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J indicates an estimated value
Bold type denotes that the compound was detected at a concentration that was identified in exceedance of the laboratory method detection limit.
Yellow Highlight indicates the compound was detected at a concentration that was found to exceed NYSDOH Guidance 90th Percentile Database Value
Blue font indicates changes made in the DUSR
Data was validated

LIST OF FIGURES

Legend

BCP Boundary/Site Tax Parcel

SITE

ROCHESTER

RIVER

Notes:
1) Tax parcel data obtained from City of Rochester Real Property.
2) Topographic map obtained from USGS.

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1 inch = 1,000 feet

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IRM-CONSTRUCTION COMPLETION REPORT AND FINAL ENGINEERING REPORT

BROWNFIELD CLEANUP PROGRAM SITE #C828195

113-117 NORTH CLINTON AVENUE, ROCHESTER NEW YORK

VOLUNTEER: CLINTON NORTH DEVELOPMENT CO.

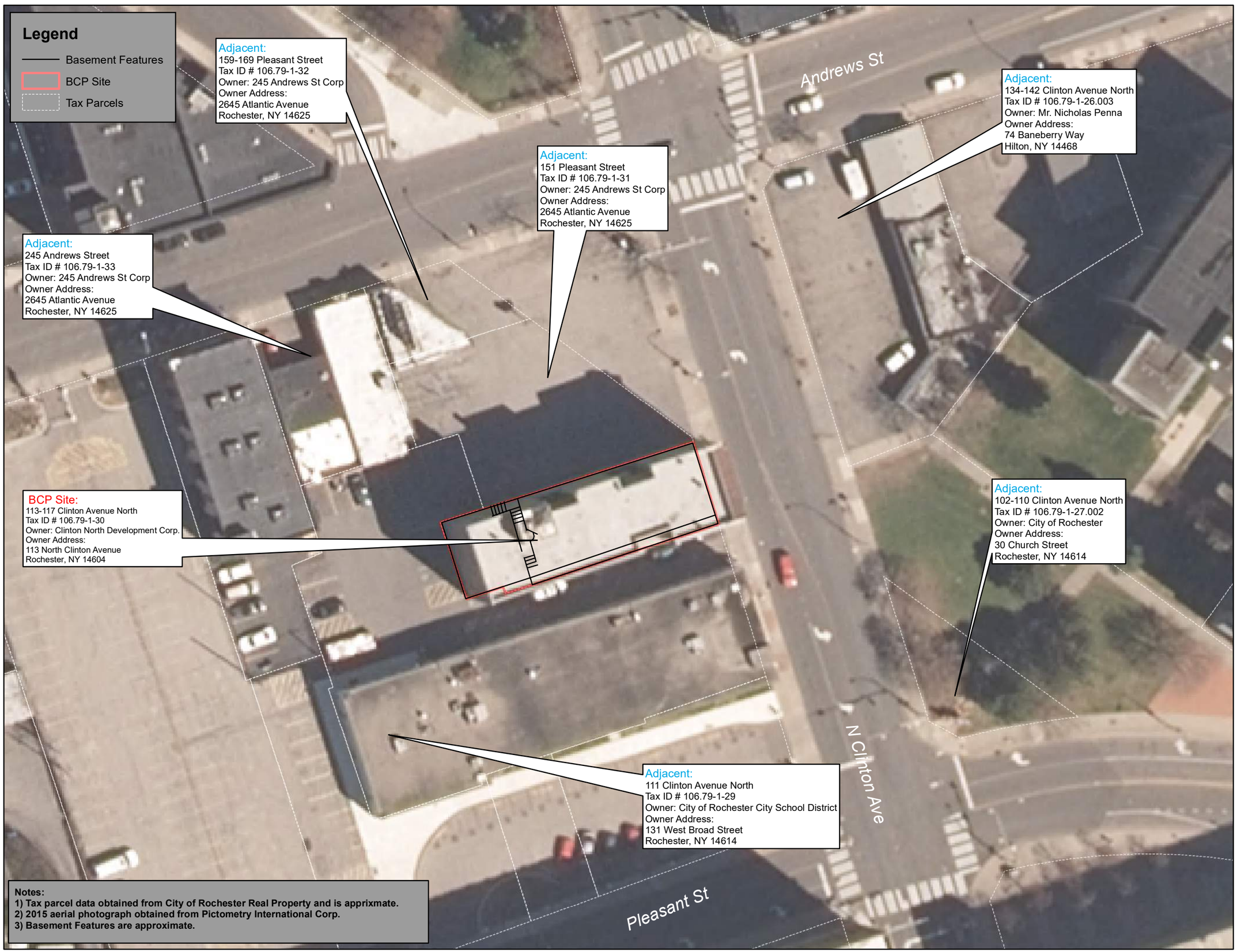
DRAWING NAME:

SITE LOCATION

PROJECT/DRAWING NUMBER:

2161120

FIGURE 1



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1 inch = 40 feet

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IRM-CONSTRUCTION COMPLETION REPORT AND FINAL ENGINEERING REPORT

BROWNFIELD CLEANUP PROGRAM SITE #C828195

113-117 NORTH CLINTON AVENUE, ROCHESTER NEW YORK

VOLUNTEER: CLINTON NORTH DEVELOPMENT CO.

DRAWING NAME:

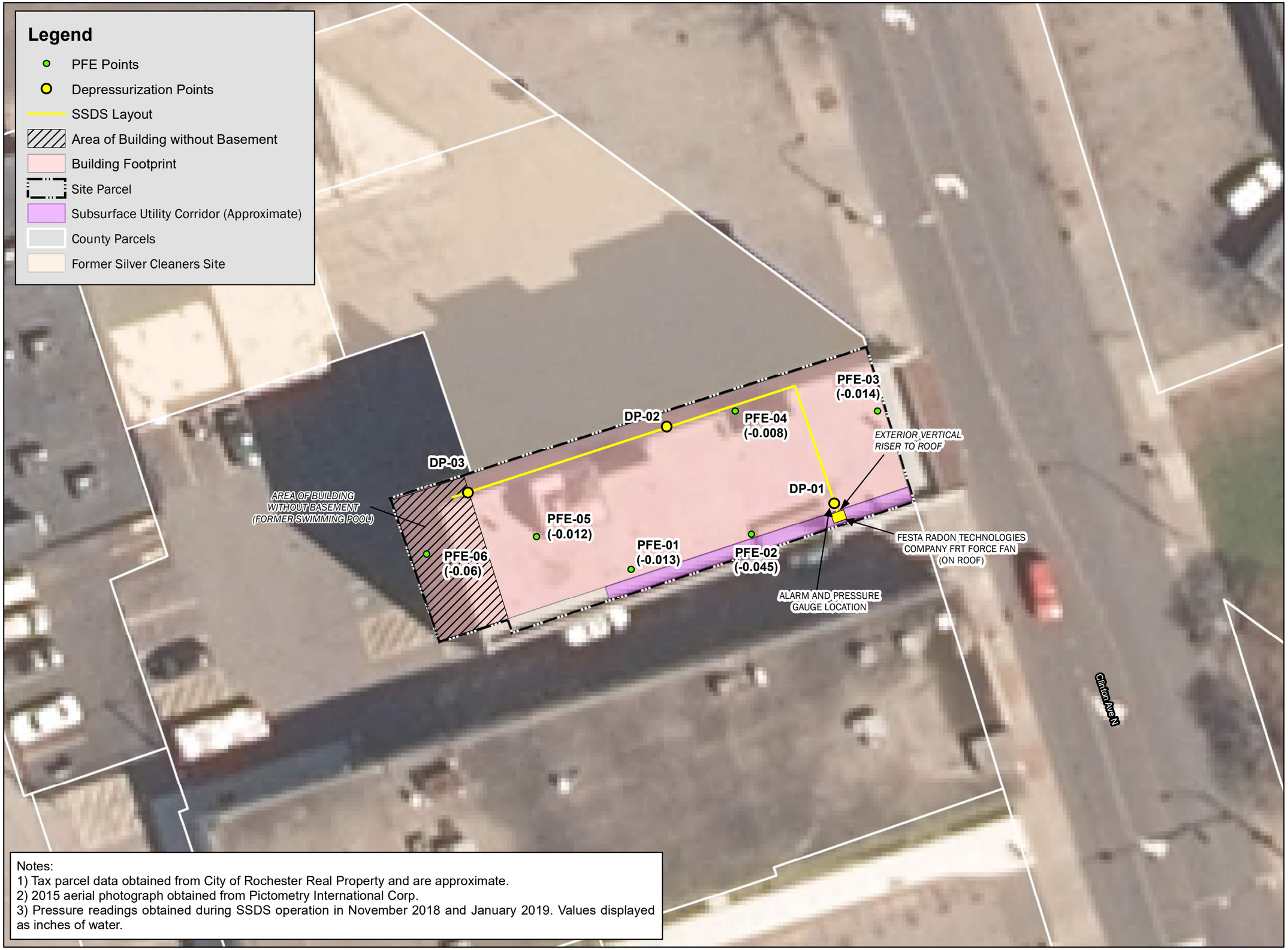
SITE FEATURES

PROJECT/DRAWING NUMBER:

2161120

FIGURE 2

Document Path: I:\Clinton North Development Corp\2161120 - BCP Application - 113-117 N. Clinton Avenue, Rochester, NY\Drawings\CCR\Figure 2 - Site features and adjacent properties.mxd



Notes:
1) Tax parcel data obtained from City of Rochester Real Property and are approximate.
2) 2015 aerial photograph obtained from Pictometry International Corp.
3) Pressure readings obtained during SSDS operation in November 2018 and January 2019. Values displayed as inches of water.

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Feet

1 inch = 20 feet
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STATE OF NEW YORK
DANIEL P. NOLL
No. 091868
LICENSED PROFESSIONAL ENGINEER

It is a violation of New York Education Law Article 145 Sec.7209, for any person, unless acting under the direction of a licensed architect, professional engineer, or land surveyor, to alter an item in any way. If an item bearing the seal of an architect, engineer, or land surveyor is altered; the altering architect, engineer, or land surveyor shall affix to the item their seal and notation "altered by" followed by their signature and date of such alteration, and a specific description of the alteration.

IRM-CONSTRUCTION COMPLETION REPORT AND FINAL ENGINEERING REPORT

BROWNFIELD CLEANUP PROGAM SITE #C828195

113-117 NORTH CLINTON AVENUE, ROCHESTER NEW YORK

VOLUNTEER: CLINTON NORTH DEVELOPMENT CO.

DRAWING NAME:

SSDS LAYOUT

PROJECT/DRAWING NUMBER:

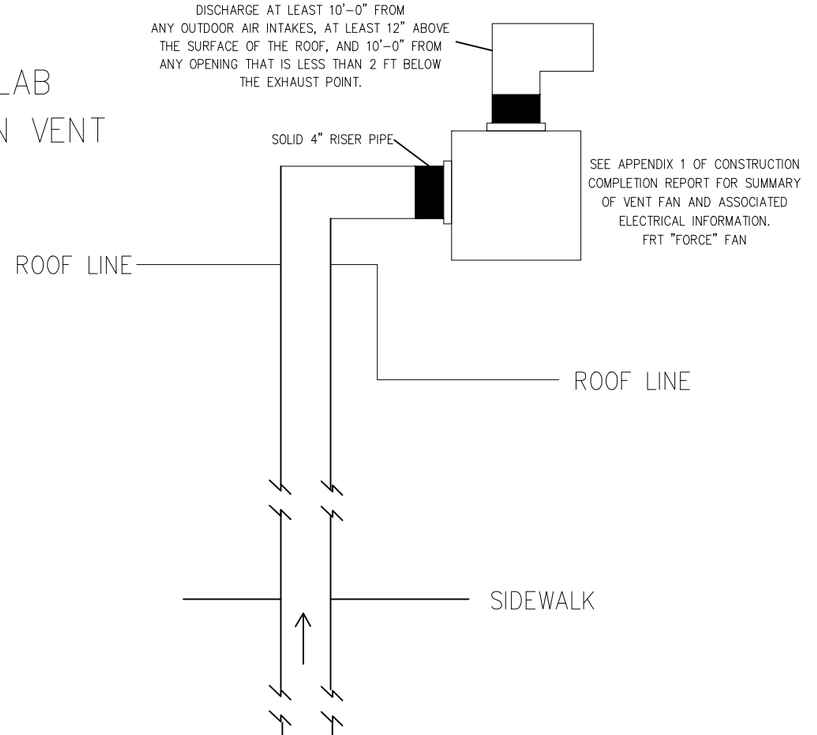
2161120

FIGURE 3

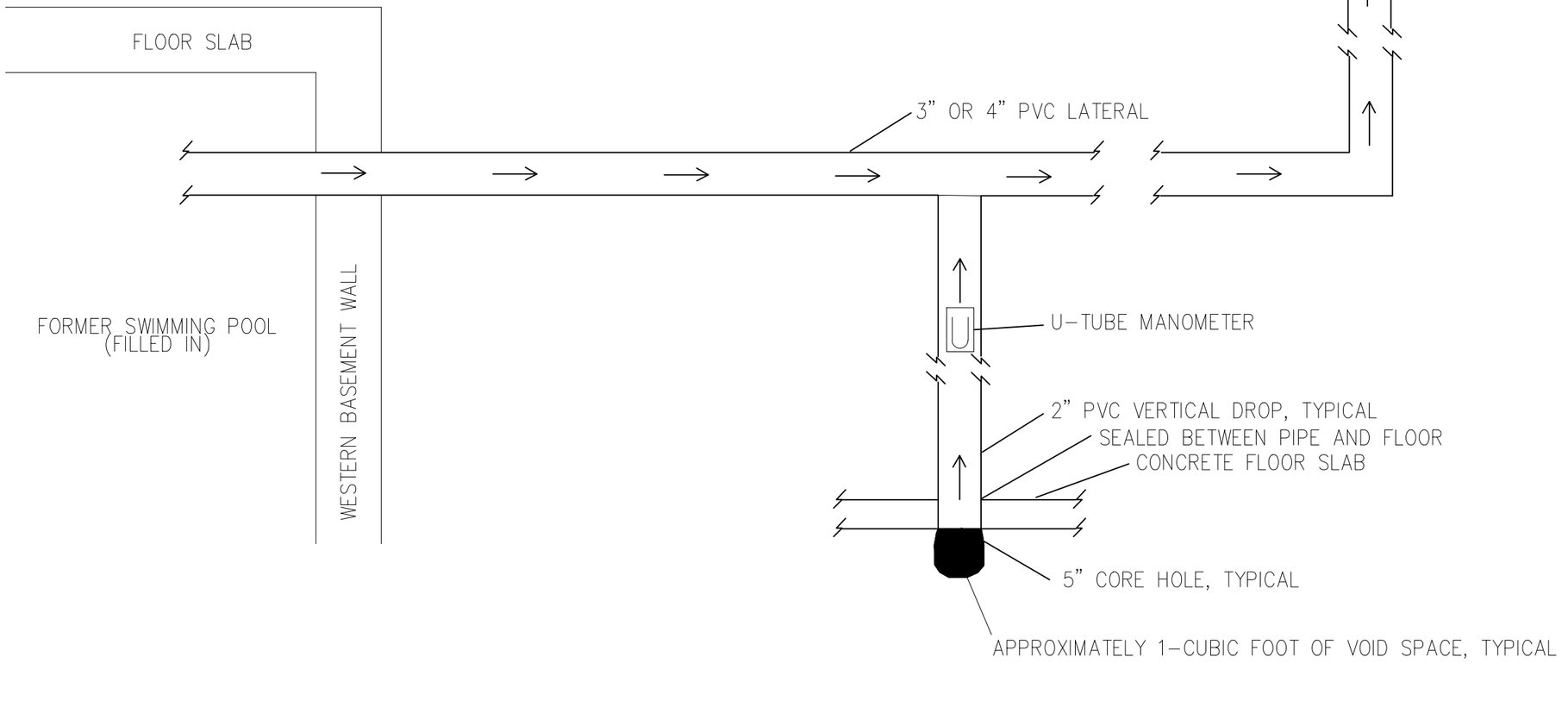
Path: I:\Clinton North Development Corp\2161120 - BCP Application - 113-117 N. Clinton Avenue, Rochester, NY\Drawings\CCR\Update 2021\Figure 3 - SSDS Operational PFE Readings.V3 copy.mxd

TYPICAL SUBSLAB DEPRESSURIZATION VENT THRU ROOF

DP-01 & DP-02 CONFIGURATION



DP-03 CONFIGURATION



LEGEND

VAPOR FLOW DIRECTION

DRAWING NOT TO SCALE

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It is a violation of New York Education Law Article 145 Sec.7209, for any person, unless acting under the direction of a licensed architect, professional engineer, or land surveyor, to alter an item in any way. If an item bearing the seal of an architect, engineer, or land surveyor is altered; the altering architect, engineer, or land surveyor shall affix to the item their seal and notation "altered by" followed by their signature and date of such alteration, and a specific description of the alteration.

STATE OF NEW YORK
DANIEL P. NOLL
No. 081999
LICENSED PROFESSIONAL ENGINEER

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PROJECT/CLIENT

IRM-CONSTRUCTION COMPLETION REPORT
AND FINAL ENGINEERING REPORT
BCP SITE #C828195
CLINTON NORTH DEVELOPMENT CORPORATION
113-117 N. CLINTON AVENUE
ROCHESTER, NEW YORK

DRAWING TITLE

SUB-SLAB DEPRESSURIZATION SYSTEM DETAILS

ISSUED FOR
AS-BUILT

DESIGNED BY: JG
DRAWN BY: DP
REVIEWED BY: JC
DATE: JANUARY, 2019

PROJECT/DRAWING NUMBER

2161120

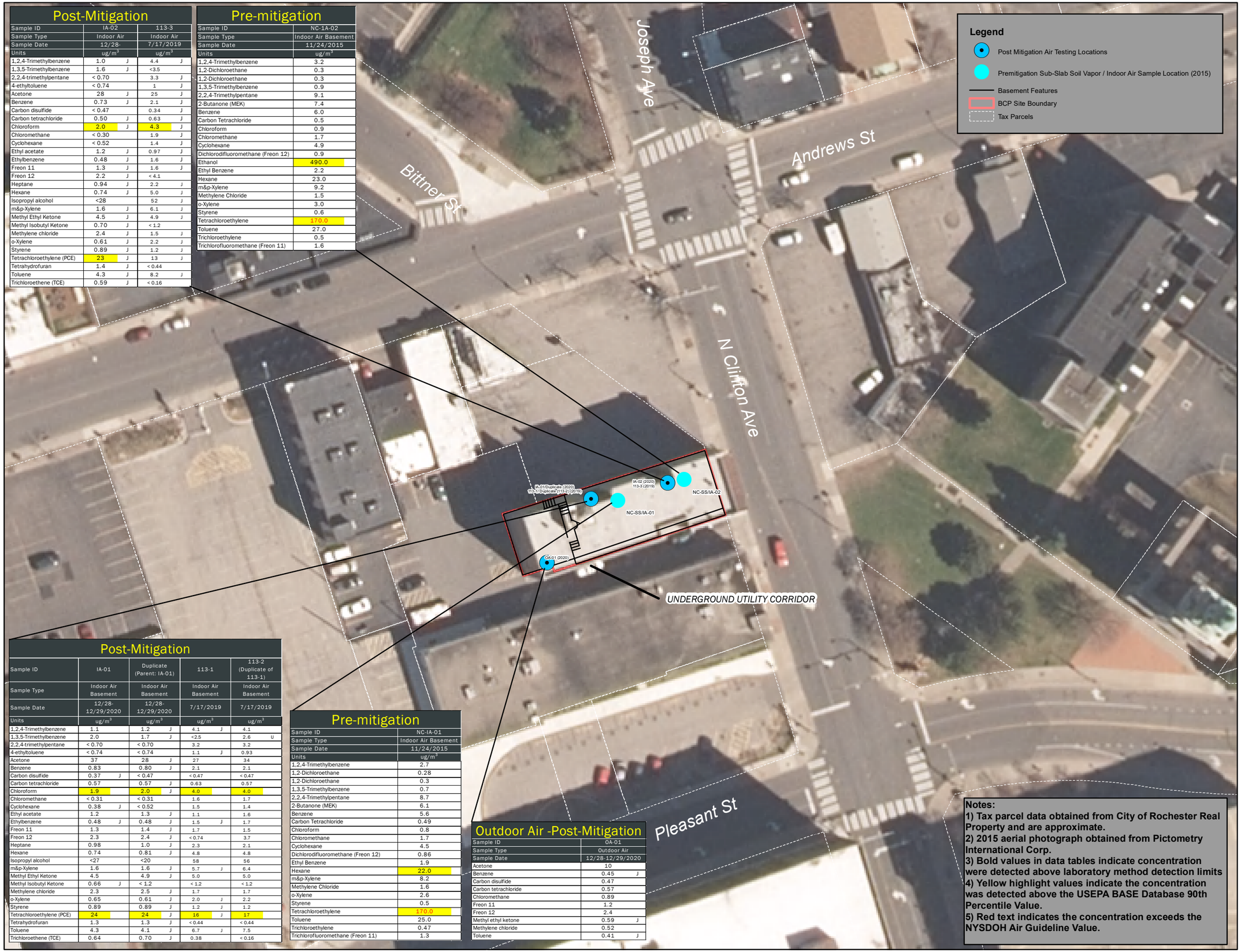
FIGURE 4

Post-Mitigation

Sample ID	IA-02		113-3	
Sample Type	Indoor Air		Indoor Air	
Sample Date	12/28-		7/17/2019	
Units	ug/m3		ug/m3	
1,2,4-Trimethylbenzene	1.0	J	4.4	J
1,3,5-Trimethylbenzene	1.6	J	<3.5	
2,2,4-trimethylpentane	< 0.70		3.3	J
4-ethyltoluene	< 0.74		1	J
Acetone	28	J	25	J
Benzene	0.73	J	2.1	J
Carbon disulfide	< 0.47		0.34	J
Carbon tetrachloride	0.50	J	0.63	J
Chloroform	2.0	J	4.3	J
Chloromethane	< 0.30		1.9	J
Cyclohexane	< 0.52		1.4	J
Ethyl acetate	1.2	J	0.97	J
Ethylbenzene	0.48	J	1.6	J
Freon 11	1.3	J	1.6	J
Freon 12	2.2	J	< 4.1	
Heptane	0.94	J	2.2	J
Hexane	0.74	J	5.0	J
Isopropyl alcohol	<28		52	J
m&p-Xylene	1.6	J	6.1	J
Methyl Ethyl Ketone	4.5	J	4.9	J
Methyl Isobutyl Ketone	0.70	J	< 1.2	
Methylene chloride	2.4	J	1.5	J
o-Xylene	0.61	J	2.2	J
Styrene	0.89	J	1.2	J
Tetrachloroethylene (PCE)	23	J	13	J
Tetrahydrofuran	1.4	J	< 0.44	
Toluene	4.3	J	8.2	J
Trichloroethene (TCE)	0.59	J	< 0.16	

Pre-mitigation

Sample ID	NC-1A-02
Sample Type	Indoor Air Basement
Sample Date	11/24/2015
Units	ug/m3
1,2,4-Trimethylbenzene	3.2
1,2-Dichloroethane	0.3
1,2-Dichloroethane	0.3
1,3,5-Trimethylbenzene	0.9
2,2,4-Trimethylpentane	9.1
2-Butanone (MEK)	7.4
Benzene	6.0
Carbon Tetrachloride	0.5
Chloroform	0.9
Chloromethane	1.7
Cyclohexane	4.9
Dichlorodifluoromethane (Freon 12)	0.9
Ethanol	490.0
Ethyl Benzene	2.2
Hexane	23.0
m&p-Xylene	9.2
Methylene Chloride	1.5
o-Xylene	3.0
Styrene	0.6
Tetrachloroethylene	170.0
Toluene	27.0
Trichloroethylene	0.5
Trichlorofluoromethane (Freon 11)	1.6



Post-Mitigation

Sample ID	IA-01		Duplicate (Parent: IA-01)		113-1		113-2 (Duplicate of 113-1)	
Sample Type	Indoor Air Basement		Indoor Air Basement		Indoor Air Basement		Indoor Air Basement	
Sample Date	12/28-12/29/2020		12/28-12/29/2020		7/17/2019		7/17/2019	
Units	ug/m3		ug/m3		ug/m3		ug/m3	
1,2,4-Trimethylbenzene	1.1		1.2	J	4.1	J	4.1	
1,3,5-Trimethylbenzene	2.0		1.7	J	<2.5		2.6	U
2,2,4-trimethylpentane	< 0.70		< 0.70		3.2		3.2	
4-ethyltoluene	< 0.74		< 0.74		1.1	J	0.93	
Acetone	37		28	J	27		34	
Benzene	0.83		0.80	J	2.1		2.1	
Carbon disulfide	0.37	J	< 0.47		< 0.47		< 0.47	
Carbon tetrachloride	0.57		0.57	J	0.63		0.57	
Chloroform	1.9		2.0	J	4.0		4.0	
Chloromethane	< 0.31		< 0.31		1.6		1.7	
Cyclohexane	0.38	J	< 0.52		1.5		1.4	
Ethyl acetate	1.2		1.3	J	1.1		1.6	
Ethylbenzene	0.48	J	0.48	J	1.5	J	1.7	
Freon 11	1.3		1.4	J	1.7		1.5	
Freon 12	2.3		2.4	J	< 0.74		3.7	
Heptane	0.98		1.0	J	2.3		2.1	
Hexane	0.74		0.81	J	4.8		4.8	
Isopropyl alcohol	<27		<20		58		56	
m&p-Xylene	1.6		1.6	J	5.7	J	6.4	
Methyl Ethyl Ketone	4.5		4.9	J	5.0		5.0	
Methyl Isobutyl Ketone	0.66	J	< 1.2		< 1.2		< 1.2	
Methylene chloride	2.3		2.5	J	1.7		1.7	
o-Xylene	0.65		0.61	J	2.0	J	2.2	
Styrene	0.89		0.89	J	1.2	J	1.2	
Tetrachloroethylene (PCE)	24		24	J	16	J	17	
Tetrahydrofuran	1.3		1.3	J	< 0.44		< 0.44	
Toluene	4.3		4.1	J	6.7	J	7.5	
Trichloroethene (TCE)	0.64		0.70	J	0.38		< 0.16	

Pre-mitigation

Sample ID	NC-IA-01
Sample Type	Indoor Air Basement
Sample Date	11/24/2015
Units	ug/m3
1,2,4-Trimethylbenzene	2.7
1,2-Dichloroethane	0.28
1,2-Dichloroethane	0.3
1,3,5-Trimethylbenzene	0.7
2,2,4-Trimethylpentane	8.7
2-Butanone (MEK)	6.1
Benzene	5.6
Carbon Tetrachloride	0.49
Chloroform	0.8
Chloromethane	1.7
Cyclohexane	4.5
Dichlorodifluoromethane (Freon 12)	0.86
Ethyl Benzene	1.9
Hexane	22.0
m&p-Xylene	8.2
Methylene Chloride	1.6
o-Xylene	2.6
Styrene	0.5
Tetrachloroethylene	170.0
Toluene	25.0
Trichloroethylene	0.47
Trichlorofluoromethane (Freon 11)	1.3

Outdoor Air -Post-Mitigation

Sample ID	OA-01	
Sample Type	Outdoor Air	
Sample Date	12/28-12/29/2020	
Acetone	10	
Benzene	0.45	J
Carbon disulfide	0.47	
Carbon tetrachloride	0.57	
Chloromethane	0.89	
Freon 11	1.2	
Freon 12	2.4	
Methyl ethyl ketone	0.59	J
Methylene chloride	0.52	
Toluene	0.41	J

Notes:
1) Tax parcel data obtained from City of Rochester Real Property and are approximate.
2) 2015 aerial photograph obtained from Pictometry International Corp.
3) Bold values in data tables indicate concentration were detected above laboratory method detection limits
4) Yellow highlight values indicate the concentration was detected above the USEPA BASE Database 90th Percentile Value.
5) Red text indicates the concentration exceeds the NYSDOH Air Guideline Value.

LaBella
Powered by partnership.

N
W E
S

0 12.5 25 50
Feet

1 inch = 50 feet

INTENDED TO PRINT AS 11" X 17".

IRM-CONSTRUCTION COMPLETION REPORT AND FINAL ENGINEERING REPORT

BROWNFIELD CLEANUP PROGAM SITE #C828195

113-117 NORTH CLINTON AVENUE, ROCHESTER NEW YORK

VOLUNTEER: CLINTON NORTH DEVELOPMENT CO.

DRAWING NAME:

TESTING LOCATIONS

PROJECT/DRAWING NUMBER:

2161120

FIGURE 5

LIST OF APPENDICES

APPENDIX 1

SSDS FAN SPECIFICATIONS

Installation & Wiring Instructions for FRT In Line Centrifugal Duct Fans

Model: FRT FORCE

IMPORTANT NOTE : DO NOT CONNECT THE POWER SUPPLY UNTIL THE FAN IS COMPLETELY INSTALLED.
MAKE SURE THE ELECTRICAL SERVICE TO THE FAN IS LOCKED IN "OFF" POSITION.

PLEASE READ AND SAVE THESE INSTRUCTIONS :

Warning – To reduce the risk of fire, electric shock or injury to persons, observe the following.

1. This unit is only for use in the manner intended by the manufacturer. If you have any questions contact the manufacturer Festa Radon Technologies Co.
2. Installation work and electrical wiring must be done by qualified person'(s) in accordance with all applicable codes and standards, including fire-rated construction.
3. Sufficient air is needed for proper combustion and exhausting of gases through the flue(chimney) of fuel burning equipment to prevent back drafting. Follow the heating equipment manufacturer's guideline and safety standards such as those published by the National Fire Protection Association (NFPA), and the American Society for Heating, Refrigeration and Air Conditioning Engineers (ASHRAE), and the local code authorities.
4. When cutting or drilling into wall or ceiling, do not damage electrical wiring and other hidden utilities.
5. Ducted fans must always be vented to the outdoors.
6. These units can be mounted indoors or outdoors.
7. Do not use these fans with solid state speed controllers.
8. The electric motor is protected by an internal overheat device to prevent/minimise motor damage. If the motor stops working, immediate inspection should be carried out by suitably qualified persons.
9. Before servicing or cleaning the unit, switch power off at service panel and lock the service disconnecting means to prevent power from being switched on accidentally. When the service disconnecting means cannot be locked, securely fasten a prominent warning device, such as a tag, to the service panel.
10. Do not use in a window.
11. If this unit is to be installed over a tub or shower, it must be marked as appropriate for the application and be connected to a GFCI (Ground Fault Circuit Interrupter) – protected branch circuit.
12. Never place a switch where it can be reached from a tub or shower.
13. CAUTION: For General Ventilating Use Only. Do Not use to Exhaust Hazardous Or Explosive Materials and Vapours.
12. CAUTION: This unit has an unguarded impeller. Do Not Use in Locations Readily Accessible To People or Animals.

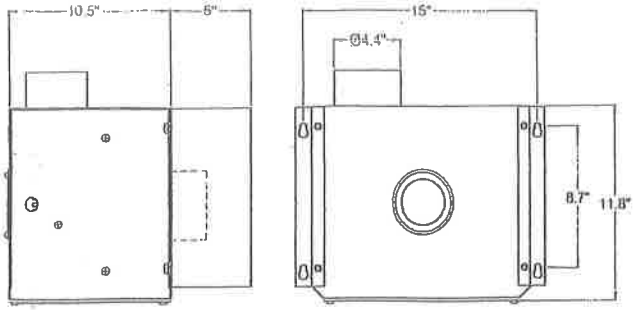
Installation of FRT Force Radon Fans.

The FRT Force Radon Fans can be mounted indoors or outdoors. We recommend that EPA recommendations be used in choosing the fan location. The FRT fans may be mounted directly onto the piping system or fastened to a supporting structure. When mounting directly onto a vertical piping system it is the installers responsibility to make provision to prevent the pipe system sliding into and onto the fan motor and impeller.

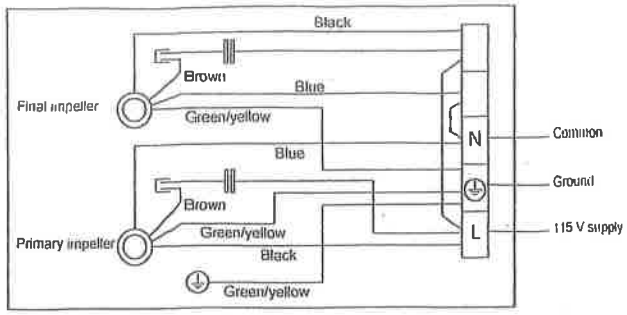
When installing a system with short duct runs terminating close to the fan i.e. within 60"(1.5m) suitable guards should be incorporated. It is the responsibility of the installer to ensure that all aspects of the system are taken into consideration.

Rigid ducting sections should be connected to fan spigots by flexible connectors and clips. The flexible connectors used should be suitable for routine servicing and vibration isolation.

Dimensions



Electrical Connections



Ensure that the mains supply voltage, frequency, number of phases and power rating comply with the details on the unit rating label (situated externally on the plastic casing terminal box cover). All wiring must be in accordance with local and / or national electrical codes as applicable, or the appropriate standard in your country. The fan must be supplied through a double pole isolating switch having a contact separation of not less than 1/8" (3mm). Wiring to the terminal box should be made in liquid tight flexible conduit to facilitate easy maintenance.

Operational Checks.

Check all connections are tight and leak free.

Check the system vacuum pressure with a manometer, ensure that the vacuum pressure is less than the maximum recommended operating pressure.

Check and verify Radon levels by testing to EPA protocol.

Cleaning and Maintenance.

We would recommend that the fan be periodically checked against the listed operational checks to ensure trouble free long lasting operation.

FIVE (5) YEAR WARRANTY

Conditions of Warranty

Festa Radon Technologies Co. ("FRT") warrants that the 'FRT FORCE', ("the Products") shall be free from defects in material and workmanship for a period of (5) years from the date of purchase by the customer. If within the applicable warranty period the Products prove to be defective by reason of faulty workmanship or materials, FRT will undertake to have the defective Product (or any part thereof) replaced at no cost to the customer subject to the following conditions:

1. The Product has been purchased and used solely in accordance with all Environmental Protection Agency ("EPA") standard practices and state and local codes of practice.
2. The Product is returned promptly on being found defective, together with this warranty and proof of date of installation at the customers risk and expense to Festa Radon Technologies Co. ("FRT") from whom the Product was purchased. All enquiry's must be through FRT.
3. This warranty shall not apply to any Product failure or defect due to any cause beyond the reasonable control of FRT including; damage caused through fire, flood, explosion, accident, misuse, wear and tear, neglect, incorrect adjustment or repair, damage caused through installation, adaptation, modification or use in an improper manner or inconsistent with the technical and/or safety standards required where the Product is used, or to damage occurring during transit to or from the customer.
4. If at any time during the Warranty Period any part or parts of the Product are replaced with a part or parts not supplied or approved by FRT, or the Product has been dismantled or repaired by any person not authorized by FRT, FRT shall have the right to terminate this warranty in whole or in part immediately without further notice.
5. FRT's decision on all matters relating to complaints and Products defects and failure (alleged or actual) shall be final. Any Product or defective part, which has been replaced, shall be FRT's.
6. AMG will offer to customers a Warranty of a full Five Years, from date of purchase, in accordance with the terms listed above.

Festa Radon Technologies Co. 47A Progress Avenue, Cranberry Twp., PA 16066
Tel. Toll Free 1(800) 806-7866 or (724) 772-9060 Fax 1(724) 772-9062

APPENDIX 2

DIGITAL COPY OF IRM-CCR AND FER

(INCLUDED IN HARDCOPY OF REPORT)

APPENDIX 3

AGENCY APPROVALS

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Region 8
6274 East Avon-Lima Road, Avon, NY 14414-9516
P: (585) 226-5353 I F: (585) 226-8139
www.dec.ny.gov

January 18, 2018

Mr. Justin Tallo
Tallo Properties
10 Symington Place
Rochester, New York 14611

Dear Mr. Tallo:

RE: 113-117 Clinton North Site (C828195)
Interim Remedial Action Work Plan (October 2017)
Rochester(C), Monroe(C)

Staff at the New York State Department of Environmental Conservation (the Department) and the New York State Department of Health (NYSDOH) have reviewed the referenced work plan, and we have no further comments. The public comment period has ended and no significant comments were received. The Interim Remedial Measure Work Plan for installation of a sub-slab depressurization system prepared by LaBella Associates, DPC it is hereby approved.

Please provide a field work schedule within 30 days of your receipt of this letter. Thank you for your continued cooperation.

Sincerely,

Todd M. Caffoe, P.E.
Division of Environmental Remediation

New York State Department of Environmental Conservation
6274 East Avon-Lima Road, Avon, NY 14414
P: (585) 226-5350 |Todd.Caffoe@dec.ny.gov

www.dec.ny.gov |

cc: B. Schilling
J. Kenney
J. Gillen
T. Walsh

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Region 8
6274 East Avon-Lima Road, Avon, NY 14414-9516
P: (585) 226-5353 I F: (585) 226-8139
www.dec.ny.gov

Justin Tallo
Clinton North Development Corporation
113 North Clinton Avenue
Rochester, New York 14604

Dear Mr. Tallo:

RE: 113-117 Clinton North Site (C828195)
Revised SSDS Design (August 2018)
Emerging Contaminants
Rochester(C), Monroe(C)

Staff at the New York State Department of Environmental Conservation (the Department) and the New York State Department of Health (NYSDOH) have reviewed the referenced modification to the SSDS Design prepared by Labella. The modification is hereby approved. Please keep me informed of the installation schedule.

In addition, the Department is undertaking a Statewide evaluation of remediation sites to better understand the risk posed to New Yorkers by 1,4-dioxane and per- and polyfluoroalkyl substances (PFAS). PFAS have historically not been evaluated at remediation sites, and 1,4-dioxane has not been evaluated at the levels that are now thought to represent a health concern. This initiative is being undertaken as a result of these "emerging contaminants" having been found in a number of drinking water supplies in New York. Accordingly, the DEC is requiring that you test site groundwater for these chemicals. To accommodate this requirement, a representative number of existing monitoring wells must be sampled. DEC recommends that at least one of these wells should be upgradient of the site. Please provide a schedule for obtaining these samples.

If you have any questions, please contact me via the e-mail or phone number below. Thank you for your continued cooperation.

Sincerely,

Todd M. Caffoe, P.E.
Division of Environmental Remediation

New York State Department of Environmental Conservation
6274 East Avon-Lima Road, Avon, NY 14414
P: (585) 226-5350 |Todd.Caffoe@dec.ny.gov

www.dec.ny.gov |

cc: B. Schilling
J. Kenney
J. Gillen
T. Walsh

APPENDIX 4

CAMP DATA

Test 001

Instrument		Data Properties	
Model	DustTrak II	Start Date	10/12/2018
Instrument S/N	8530143312	Start Time	10:09:19
		Stop Date	10/12/2018
		Stop Time	14:53:19
		Total Time	0:04:44:00
		Logging Interval	60 seconds

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	10/12/2018	10:10:19	0.179
2	10/12/2018	10:11:19	0.182
3	10/12/2018	10:12:19	0.153
4	10/12/2018	10:13:19	0.140
5	10/12/2018	10:14:19	0.147
6	10/12/2018	10:15:19	0.156
7	10/12/2018	10:16:19	0.144
8	10/12/2018	10:17:19	0.154
9	10/12/2018	10:18:19	0.140
10	10/12/2018	10:19:19	0.161
11	10/12/2018	10:20:19	0.137
12	10/12/2018	10:21:19	0.114
13	10/12/2018	10:22:19	0.118
14	10/12/2018	10:23:19	0.172
15	10/12/2018	10:24:19	0.183
16	10/12/2018	10:25:19	0.135
17	10/12/2018	10:26:19	0.120
18	10/12/2018	10:27:19	0.117
19	10/12/2018	10:28:19	0.146
20	10/12/2018	10:29:19	0.172
21	10/12/2018	10:30:19	0.110
22	10/12/2018	10:31:19	0.095
23	10/12/2018	10:32:19	0.121
24	10/12/2018	10:33:19	0.127
25	10/12/2018	10:34:19	0.141
26	10/12/2018	10:35:19	0.133
27	10/12/2018	10:36:19	0.115
28	10/12/2018	10:37:19	0.135
29	10/12/2018	10:38:19	0.137
30	10/12/2018	10:39:19	0.155
31	10/12/2018	10:40:19	0.522
32	10/12/2018	10:41:19	0.207
33	10/12/2018	10:42:19	0.165
34	10/12/2018	10:43:19	0.233
35	10/12/2018	10:44:19	0.195

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
36	10/12/2018	10:45:19	0.187
37	10/12/2018	10:46:19	0.183
38	10/12/2018	10:47:19	0.168
39	10/12/2018	10:48:19	0.167
40	10/12/2018	10:49:19	0.190
41	10/12/2018	10:50:19	0.186
42	10/12/2018	10:51:19	0.182
43	10/12/2018	10:52:19	0.160
44	10/12/2018	10:53:19	0.164
45	10/12/2018	10:54:19	0.157
46	10/12/2018	10:55:19	0.150
47	10/12/2018	10:56:19	0.148
48	10/12/2018	10:57:19	0.129
49	10/12/2018	10:58:19	0.145
50	10/12/2018	10:59:19	0.111
51	10/12/2018	11:00:19	0.118
52	10/12/2018	11:01:19	0.146
53	10/12/2018	11:02:19	0.128
54	10/12/2018	11:03:19	0.107
55	10/12/2018	11:04:19	0.113
56	10/12/2018	11:05:19	0.119
57	10/12/2018	11:06:19	0.126
58	10/12/2018	11:07:19	0.113
59	10/12/2018	11:08:19	0.110
60	10/12/2018	11:09:19	0.135
61	10/12/2018	11:10:19	0.145
62	10/12/2018	11:11:19	0.163
63	10/12/2018	11:12:19	0.194
64	10/12/2018	11:13:19	0.229
65	10/12/2018	11:14:19	0.230
66	10/12/2018	11:15:19	0.200
67	10/12/2018	11:16:19	0.127
68	10/12/2018	11:17:19	0.177
69	10/12/2018	11:18:19	0.162
70	10/12/2018	11:19:19	0.170
71	10/12/2018	11:20:19	0.154
72	10/12/2018	11:21:19	0.171
73	10/12/2018	11:22:19	0.248
74	10/12/2018	11:23:19	0.258
75	10/12/2018	11:24:19	0.186
76	10/12/2018	11:25:19	0.646
77	10/12/2018	11:26:19	0.699
78	10/12/2018	11:27:19	0.225
79	10/12/2018	11:28:19	0.149
80	10/12/2018	11:29:19	0.168
81	10/12/2018	11:30:19	0.194

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
82	10/12/2018	11:31:19	0.203
83	10/12/2018	11:32:19	0.179
84	10/12/2018	11:33:19	0.515
85	10/12/2018	11:34:19	0.671
86	10/12/2018	11:35:19	0.796
87	10/12/2018	11:36:19	0.574
88	10/12/2018	11:37:19	0.333
89	10/12/2018	11:38:19	0.259
90	10/12/2018	11:39:19	0.306
91	10/12/2018	11:40:19	0.211
92	10/12/2018	11:41:19	0.161
93	10/12/2018	11:42:19	0.255
94	10/12/2018	11:43:19	0.141
95	10/12/2018	11:44:19	0.171
96	10/12/2018	11:45:19	0.137
97	10/12/2018	11:46:19	0.149
98	10/12/2018	11:47:19	0.141
99	10/12/2018	11:48:19	0.105
100	10/12/2018	11:49:19	3.210
101	10/12/2018	11:50:19	1.200
102	10/12/2018	11:51:19	0.450
103	10/12/2018	11:52:19	0.283
104	10/12/2018	11:53:19	0.250
105	10/12/2018	11:54:19	0.401
106	10/12/2018	11:55:19	0.279
107	10/12/2018	11:56:19	0.206
108	10/12/2018	11:57:19	0.297
109	10/12/2018	11:58:19	0.254
110	10/12/2018	11:59:19	0.258
111	10/12/2018	12:00:19	0.601
112	10/12/2018	12:01:19	0.761
113	10/12/2018	12:02:19	1.060
114	10/12/2018	12:03:19	0.507
115	10/12/2018	12:04:19	0.329
116	10/12/2018	12:05:19	0.616
117	10/12/2018	12:06:19	1.070
118	10/12/2018	12:07:19	1.350
119	10/12/2018	12:08:19	1.080
120	10/12/2018	12:09:19	0.961
121	10/12/2018	12:10:19	0.740
122	10/12/2018	12:11:19	1.240
123	10/12/2018	12:12:19	0.813
124	10/12/2018	12:13:19	0.428
125	10/12/2018	12:14:19	0.357
126	10/12/2018	12:15:19	0.809
127	10/12/2018	12:16:19	1.180

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
128	10/12/2018	12:17:19	0.342
129	10/12/2018	12:18:19	0.332
130	10/12/2018	12:19:19	0.320
131	10/12/2018	12:20:19	1.500
132	10/12/2018	12:21:19	4.570
133	10/12/2018	12:22:19	1.390
134	10/12/2018	12:23:19	0.729
135	10/12/2018	12:24:19	0.858
136	10/12/2018	12:25:19	0.484
137	10/12/2018	12:26:19	0.383
138	10/12/2018	12:27:19	0.338
139	10/12/2018	12:28:19	0.805
140	10/12/2018	12:29:19	0.385
141	10/12/2018	12:30:19	0.318
142	10/12/2018	12:31:19	0.318
143	10/12/2018	12:32:19	0.649
144	10/12/2018	12:33:19	0.860
145	10/12/2018	12:34:19	1.020
146	10/12/2018	12:35:19	0.674
147	10/12/2018	12:36:19	0.438
148	10/12/2018	12:37:19	0.327
149	10/12/2018	12:38:19	0.275
150	10/12/2018	12:39:19	0.277
151	10/12/2018	12:40:19	0.296
152	10/12/2018	12:41:19	0.299
153	10/12/2018	12:42:19	0.370
154	10/12/2018	12:43:19	0.445
155	10/12/2018	12:44:19	0.260
156	10/12/2018	12:45:19	0.276
157	10/12/2018	12:46:19	0.319
158	10/12/2018	12:47:19	0.503
159	10/12/2018	12:48:19	0.962
160	10/12/2018	12:49:19	0.656
161	10/12/2018	12:50:19	1.940
162	10/12/2018	12:51:19	0.471
163	10/12/2018	12:52:19	0.236
164	10/12/2018	12:53:19	0.189
165	10/12/2018	12:54:19	0.726
166	10/12/2018	12:55:19	0.326
167	10/12/2018	12:56:19	0.214
168	10/12/2018	12:57:19	0.243
169	10/12/2018	12:58:19	0.213
170	10/12/2018	12:59:19	0.210
171	10/12/2018	13:00:19	0.223
172	10/12/2018	13:01:19	0.334
173	10/12/2018	13:02:19	1.100

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
174	10/12/2018	13:03:19	0.534
175	10/12/2018	13:04:19	1.390
176	10/12/2018	13:05:19	0.531
177	10/12/2018	13:06:19	0.236
178	10/12/2018	13:07:19	0.199
179	10/12/2018	13:08:19	0.200
180	10/12/2018	13:09:19	1.030
181	10/12/2018	13:10:19	0.791
182	10/12/2018	13:11:19	0.631
183	10/12/2018	13:12:19	1.110
184	10/12/2018	13:13:19	1.500
185	10/12/2018	13:14:19	2.050
186	10/12/2018	13:15:19	2.130
187	10/12/2018	13:16:19	1.250
188	10/12/2018	13:17:19	0.682
189	10/12/2018	13:18:19	0.529
190	10/12/2018	13:19:19	0.405
191	10/12/2018	13:20:19	0.380
192	10/12/2018	13:21:19	0.562
193	10/12/2018	13:22:19	0.615
194	10/12/2018	13:23:19	0.639
195	10/12/2018	13:24:19	0.608
196	10/12/2018	13:25:19	0.563
197	10/12/2018	13:26:19	0.572
198	10/12/2018	13:27:19	0.535
199	10/12/2018	13:28:19	0.517
200	10/12/2018	13:29:19	0.540
201	10/12/2018	13:30:19	0.538
202	10/12/2018	13:31:19	0.503
203	10/12/2018	13:32:19	0.504
204	10/12/2018	13:33:19	0.527
205	10/12/2018	13:34:19	0.528
206	10/12/2018	13:35:19	0.594
207	10/12/2018	13:36:19	0.755
208	10/12/2018	13:37:19	0.769
209	10/12/2018	13:38:19	0.594
210	10/12/2018	13:39:19	0.732
211	10/12/2018	13:40:19	0.673
212	10/12/2018	13:41:19	0.641
213	10/12/2018	13:42:19	0.593
214	10/12/2018	13:43:19	0.620
215	10/12/2018	13:44:19	0.702
216	10/12/2018	13:45:19	0.776
217	10/12/2018	13:46:19	0.664
218	10/12/2018	13:47:19	0.580
219	10/12/2018	13:48:19	0.524

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
220	10/12/2018	13:49:19	0.481
221	10/12/2018	13:50:19	0.461
222	10/12/2018	13:51:19	0.425
223	10/12/2018	13:52:19	0.401
224	10/12/2018	13:53:19	0.383
225	10/12/2018	13:54:19	0.367
226	10/12/2018	13:55:19	0.354
227	10/12/2018	13:56:19	0.342
228	10/12/2018	13:57:19	0.342
229	10/12/2018	13:58:19	0.344
230	10/12/2018	13:59:19	0.330
231	10/12/2018	14:00:19	0.464
232	10/12/2018	14:01:19	0.399
233	10/12/2018	14:02:19	0.415
234	10/12/2018	14:03:19	0.371
235	10/12/2018	14:04:19	0.840
236	10/12/2018	14:05:19	1.110
237	10/12/2018	14:06:19	0.966
238	10/12/2018	14:07:19	0.804
239	10/12/2018	14:08:19	0.653
240	10/12/2018	14:09:19	0.743
241	10/12/2018	14:10:19	0.780
242	10/12/2018	14:11:19	0.969
243	10/12/2018	14:12:19	0.999
244	10/12/2018	14:13:19	0.996
245	10/12/2018	14:14:19	0.925
246	10/12/2018	14:15:19	0.966
247	10/12/2018	14:16:19	1.090
248	10/12/2018	14:17:19	1.120
249	10/12/2018	14:18:19	1.470
250	10/12/2018	14:19:19	1.740
251	10/12/2018	14:20:19	1.360
252	10/12/2018	14:21:19	1.450
253	10/12/2018	14:22:19	1.550
254	10/12/2018	14:23:19	1.590
255	10/12/2018	14:24:19	1.580
256	10/12/2018	14:25:19	1.440
257	10/12/2018	14:26:19	1.300
258	10/12/2018	14:27:19	1.860
259	10/12/2018	14:28:19	1.630
260	10/12/2018	14:29:19	1.860
261	10/12/2018	14:30:19	1.680
262	10/12/2018	14:31:19	1.590
263	10/12/2018	14:32:19	1.510
264	10/12/2018	14:33:19	1.460
265	10/12/2018	14:34:19	1.410

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
266	10/12/2018	14:35:19	2.070
267	10/12/2018	14:36:19	1.720
268	10/12/2018	14:37:19	1.780
269	10/12/2018	14:38:19	1.500
270	10/12/2018	14:39:19	1.480
271	10/12/2018	14:40:19	1.420
272	10/12/2018	14:41:19	1.320
273	10/12/2018	14:42:19	1.450
274	10/12/2018	14:43:19	1.860
275	10/12/2018	14:44:19	1.790
276	10/12/2018	14:45:19	1.980
277	10/12/2018	14:46:19	2.000
278	10/12/2018	14:47:19	1.980
279	10/12/2018	14:48:19	2.220
280	10/12/2018	14:49:19	2.040
281	10/12/2018	14:50:19	2.260
282	10/12/2018	14:51:19	2.320
283	10/12/2018	14:52:19	2.350
284	10/12/2018	14:53:19	2.190

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18/10/10 15:44

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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-916196
Unit Firmware Ver	V2.16

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Pause in Menu Mode

Site ID	12345678
User ID	12345678

Begin	10/10/2018 15:44
End	10/10/2018 15:45
Sample Period(s)	60
Number of Records	0

Sensor	PID(ppm)
Sensor SN	S023030233SB
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	8/30/2018 15:53

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Datalog

0 record.

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18/10/10 15:47

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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-916196
Unit Firmware Ver	V2.16

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	12345678
User ID	12345678

Begin	10/10/2018 15:47

End	10/10/2018 15:47
Sample Period(s)	60
Number of Records	0

Sensor	PID(ppm)
Sensor SN	S023030233SB
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	10/10/2018 15:46

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Datalog

0 record.

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18/10/12 10:18

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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-916196
Unit Firmware Ver	V2.16

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	12345678
User ID	12345678

Begin	10/12/2018 10:18
End	10/12/2018 15:06
Sample Period(s)	60
Number of Records	287

Sensor	PID(ppm)
Sensor SN	S023030233SB
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	10/10/2018 15:46
Peak	0.5
Min	0
Average	0.1

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Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	10/12/2018 10:19	0	0.1	0
2	10/12/2018 10:20	0	0	0
3	10/12/2018 10:21	0	0	0
4	10/12/2018 10:22	0	0	0
5	10/12/2018 10:23	0	0.1	0
6	10/12/2018 10:24	0	0	0
7	10/12/2018 10:25	0	0	0
8	10/12/2018 10:26	0	0	0
9	10/12/2018 10:27	0	0	0
10	10/12/2018 10:28	0	0	0
11	10/12/2018 10:29	0	0	0
12	10/12/2018 10:30	0	0	0
13	10/12/2018 10:31	0	0	0
14	10/12/2018 10:32	0	0	0
15	10/12/2018 10:33	0	0	0
16	10/12/2018 10:34	0	0	0
17	10/12/2018 10:35	0	0	0
18	10/12/2018 10:36	0	0	0
19	10/12/2018 10:37	0	0	0
20	10/12/2018 10:38	0	0.1	0.1
21	10/12/2018 10:39	0.2	0.3	0.3
22	10/12/2018 10:40	0.3	0.4	0.4
23	10/12/2018 10:41	0.4	0.5	0.4
24	10/12/2018 10:42	0.4	0.5	0.4
25	10/12/2018 10:43	0.4	0.4	0.4
26	10/12/2018 10:44	0.4	0.5	0.4
27	10/12/2018 10:45	0.5	0.5	0.5
28	10/12/2018 10:46	0.5	0.5	0.4
29	10/12/2018 10:47	0.5	0.5	0.5
30	10/12/2018 10:48	0.5	0.5	0.5
31	10/12/2018 10:49	0.5	0.5	0.5
32	10/12/2018 10:50	0.5	0.5	0.5
33	10/12/2018 10:51	0.5	0.5	0.4
34	10/12/2018 10:52	0.4	0.5	0.4
35	10/12/2018 10:53	0.4	0.5	0.4
36	10/12/2018 10:54	0.4	0.5	0.5
37	10/12/2018 10:55	0.4	0.5	0.4
38	10/12/2018 10:56	0.4	0.4	0.4
39	10/12/2018 10:57	0.4	0.5	0.4
40	10/12/2018 10:58	0.4	0.4	0.4
41	10/12/2018 10:59	0.4	0.4	0.4
42	10/12/2018 11:00	0.4	0.4	0.4
43	10/12/2018 11:01	0.4	0.4	0.4
44	10/12/2018 11:02	0.4	0.4	0.4
45	10/12/2018 11:03	0.4	0.4	0.4
46	10/12/2018 11:04	0.4	0.4	0.4
47	10/12/2018 11:05	0.4	0.4	0.4
48	10/12/2018 11:06	0.4	0.4	0.4
49	10/12/2018 11:07	0.4	0.4	0.3
50	10/12/2018 11:08	0.3	0.4	0.4
51	10/12/2018 11:09	0.4	0.4	0.4
52	10/12/2018 11:10	0.4	0.5	0.4
53	10/12/2018 11:11	0.5	0.5	0.4
54	10/12/2018 11:12	0.5	0.5	0.4
55	10/12/2018 11:13	0.4	0.5	0.4
56	10/12/2018 11:14	0.4	0.4	0.4
57	10/12/2018 11:15	0.4	0.4	0.4
58	10/12/2018 11:16	0.5	0.5	0.5
59	10/12/2018 11:17	0.5	0.6	0.5
60	10/12/2018 11:18	0.5	0.5	0.5
61	10/12/2018 11:19	0.5	0.5	0.5
62	10/12/2018 11:20	0.5	0.5	0.5
63	10/12/2018 11:21	0.5	0.5	0.5
64	10/12/2018 11:22	0.5	0.5	0.5

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
65	10/12/2018 11:23	0.5	0.5	0.5
66	10/12/2018 11:24	0.5	0.5	0.5
67	10/12/2018 11:25	0.5	0.5	0.4
68	10/12/2018 11:26	0.4	0.5	0.4
69	10/12/2018 11:27	0.4	0.4	0.4
70	10/12/2018 11:28	0.4	0.4	0.4
71	10/12/2018 11:29	0.4	0.4	0.4
72	10/12/2018 11:30	0.4	0.4	0.4
73	10/12/2018 11:31	0.4	0.4	0.4
74	10/12/2018 11:32	0.4	0.4	0.4
75	10/12/2018 11:33	0.4	0.4	0.4
76	10/12/2018 11:34	0.3	0.4	0.3
77	10/12/2018 11:35	0.3	0.3	0.3
78	10/12/2018 11:36	0.3	0.3	0.3
79	10/12/2018 11:37	0.2	0.3	0.3
80	10/12/2018 11:38	0.2	0.3	0.2
81	10/12/2018 11:39	0.2	0.2	0.2
82	10/12/2018 11:40	0.2	0.2	0.2
83	10/12/2018 11:41	0.2	0.2	0.2
84	10/12/2018 11:42	0.2	0.2	0.2
85	10/12/2018 11:43	0.2	0.2	0.2
86	10/12/2018 11:44	0.2	0.2	0.1
87	10/12/2018 11:45	0.1	0.2	0.2
88	10/12/2018 11:46	0.1	0.1	0.1
89	10/12/2018 11:47	0.1	0.2	0.1
90	10/12/2018 11:48	0.1	0.2	0.1
91	10/12/2018 11:49	0.1	0.2	0.2
92	10/12/2018 11:50	0.1	0.2	0.1
93	10/12/2018 11:51	0.1	0.2	0.2
94	10/12/2018 11:52	0.1	0.2	0.1
95	10/12/2018 11:53	0.1	0.2	0.1
96	10/12/2018 11:54	0.1	0.2	0.1
97	10/12/2018 11:55	0.1	0.2	0.1
98	10/12/2018 11:56	0.1	0.2	0.1
99	10/12/2018 11:57	0.1	0.2	0.1
100	10/12/2018 11:58	0.2	0.2	0.1
101	10/12/2018 11:59	0.1	0.2	0.1
102	10/12/2018 12:00	0.1	0.1	0.1
103	10/12/2018 12:01	0.1	0.2	0.1
104	10/12/2018 12:02	0.1	0.2	0.1
105	10/12/2018 12:03	0.1	0.2	0.1
106	10/12/2018 12:04	0.1	0.1	0.1
107	10/12/2018 12:05	0.1	0.2	0.1
108	10/12/2018 12:06	0.1	0.2	0.1
109	10/12/2018 12:07	0.1	0.2	0.1
110	10/12/2018 12:08	0.1	0.2	0.1
111	10/12/2018 12:09	0.1	0.2	0.1
112	10/12/2018 12:10	0.1	0.2	0.1
113	10/12/2018 12:11	0.1	0.1	0.1
114	10/12/2018 12:12	0.1	0.1	0.1
115	10/12/2018 12:13	0.1	0.1	0.1
116	10/12/2018 12:14	0.1	0.1	0.1
117	10/12/2018 12:15	0.1	0.1	0.1
118	10/12/2018 12:16	0.1	0.1	0.1
119	10/12/2018 12:17	0.1	0.1	0.1
120	10/12/2018 12:18	0.1	0.2	0.1
121	10/12/2018 12:19	0.1	0.1	0.1
122	10/12/2018 12:20	0.1	0.1	0
123	10/12/2018 12:21	0.1	0.1	0.1
124	10/12/2018 12:22	0.1	0.1	0.1
125	10/12/2018 12:23	0.1	0.1	0.1
126	10/12/2018 12:24	0.1	0.1	0.1
127	10/12/2018 12:25	0.1	0.1	0.1
128	10/12/2018 12:26	0.1	0.1	0.1
129	10/12/2018 12:27	0.1	0.1	0.1
130	10/12/2018 12:28	0.1	0.1	0.1
131	10/12/2018 12:29	0.1	0.1	0.1
132	10/12/2018 12:30	0.1	0.1	0.1
133	10/12/2018 12:31	0.1	0.1	0.1
134	10/12/2018 12:32	0.1	0.1	0.1
135	10/12/2018 12:33	0.1	0.1	0.1

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
136	10/12/2018 12:34	0.1	0.1	0.1
137	10/12/2018 12:35	0.1	0.1	0.1
138	10/12/2018 12:36	0.1	0.1	0.1
139	10/12/2018 12:37	0.1	0.1	0.1
140	10/12/2018 12:38	0.1	0.1	0.1
141	10/12/2018 12:39	0.2	0.5	0.2
142	10/12/2018 12:40	0.2	0.2	0.1
143	10/12/2018 12:41	0.1	0.2	0.1
144	10/12/2018 12:42	0.1	0.1	0.1
145	10/12/2018 12:43	0.1	0.1	0.1
146	10/12/2018 12:44	0.3	0.7	0.4
147	10/12/2018 12:45	0.2	0.4	0.1
148	10/12/2018 12:46	0.1	0.1	0.1
149	10/12/2018 12:47	0.1	0.1	0.1
150	10/12/2018 12:48	0.1	0.1	0.1
151	10/12/2018 12:49	0.1	0.1	0.1
152	10/12/2018 12:50	0.1	0.1	0.1
153	10/12/2018 12:51	0.1	0.2	0.1
154	10/12/2018 12:52	0.1	0.2	0.1
155	10/12/2018 12:53	0.1	0.1	0.1
156	10/12/2018 12:54	0.1	0.1	0.1
157	10/12/2018 12:55	0.1	0.1	0.1
158	10/12/2018 12:56	0.1	0.1	0.1
159	10/12/2018 12:57	0.1	0.1	0.1
160	10/12/2018 12:58	0.1	0.1	0.1
161	10/12/2018 12:59	0.1	0.1	0.1
162	10/12/2018 13:00	0.1	0.1	0.1
163	10/12/2018 13:01	0.1	0.1	0.1
164	10/12/2018 13:02	0.1	0.1	0.1
165	10/12/2018 13:03	0.1	0.1	0.1
166	10/12/2018 13:04	0.1	0.1	0.1
167	10/12/2018 13:05	0.1	0.1	0.1
168	10/12/2018 13:06	0.1	0.1	0.1
169	10/12/2018 13:07	0.1	0.1	0.1
170	10/12/2018 13:08	0.1	0.1	0.1
171	10/12/2018 13:09	0.1	0.1	0.1
172	10/12/2018 13:10	0.1	0.1	0.1
173	10/12/2018 13:11	0.1	0.1	0.1
174	10/12/2018 13:12	0.1	0.1	0.1
175	10/12/2018 13:13	0.1	0.1	0.1
176	10/12/2018 13:14	0.1	0.1	0.1
177	10/12/2018 13:15	0.1	0.1	0.1
178	10/12/2018 13:16	0.1	0.1	0.1
179	10/12/2018 13:17	0.1	0.1	0.1
180	10/12/2018 13:18	0.1	0.1	0.1
181	10/12/2018 13:19	0.1	0.1	0.1
182	10/12/2018 13:20	0.1	0.1	0.1
183	10/12/2018 13:21	0.1	0.1	0.1
184	10/12/2018 13:22	0.1	0.1	0.1
185	10/12/2018 13:23	0.1	0.1	0.1
186	10/12/2018 13:24	0.1	0.1	0.1
187	10/12/2018 13:25	0.1	0.1	0.1
188	10/12/2018 13:26	0.1	0.1	0.1
189	10/12/2018 13:27	0.1	0.1	0.1
190	10/12/2018 13:28	0.1	0.1	0.1
191	10/12/2018 13:29	0.1	0.1	0.1
192	10/12/2018 13:30	0.1	0.1	0
193	10/12/2018 13:31	0.1	0.1	0.1
194	10/12/2018 13:32	0.1	0.1	0.1
195	10/12/2018 13:33	0.1	0.1	0.1
196	10/12/2018 13:34	0.1	0.1	0.1
197	10/12/2018 13:35	0.1	0.1	0.1
198	10/12/2018 13:36	0.1	0.1	0.1
199	10/12/2018 13:37	0.1	0.1	0.1
200	10/12/2018 13:38	0.1	0.1	0.1
201	10/12/2018 13:39	0.1	0.1	0.1
202	10/12/2018 13:40	0.1	0.1	0.1
203	10/12/2018 13:41	0.1	0.1	0.1
204	10/12/2018 13:42	0.1	0.1	0.1
205	10/12/2018 13:43	0.1	0.1	0.1
206	10/12/2018 13:44	0.1	0.1	0.1
207	10/12/2018 13:45	0.1	0.1	0.1
208	10/12/2018 13:46	0.1	0.1	0.1
209	10/12/2018 13:47	0.1	0.1	0.1
210	10/12/2018 13:48	0.1	0.1	0.1

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
211	10/12/2018 13:49	0.1	0.1	0.1
212	10/12/2018 13:50	0.1	0.1	0.1
213	10/12/2018 13:51	0.1	0.1	0.1
214	10/12/2018 13:52	0.1	0.1	0.1
215	10/12/2018 13:53	0.1	0.1	0.1
216	10/12/2018 13:54	0.1	0.1	0.1
217	10/12/2018 13:55	0.1	0.1	0.1
218	10/12/2018 13:56	0.1	0.1	0.1
219	10/12/2018 13:57	0.1	0.1	0.1
220	10/12/2018 13:58	0.1	0.1	0.1
221	10/12/2018 13:59	0.1	0.1	0.1
222	10/12/2018 14:00	0.1	0.1	0.1
223	10/12/2018 14:01	0.1	0.1	0.1
224	10/12/2018 14:02	0.1	0.1	0.1
225	10/12/2018 14:03	0	0.1	0.1
226	10/12/2018 14:04	0.1	0.1	0.1
227	10/12/2018 14:05	0.1	0.1	0
228	10/12/2018 14:06	0	0.1	0
229	10/12/2018 14:07	0	0.1	0
230	10/12/2018 14:08	0	0	0
231	10/12/2018 14:09	0	0	0
232	10/12/2018 14:10	0	0	0
233	10/12/2018 14:11	0	0	0
234	10/12/2018 14:12	0	0	0
235	10/12/2018 14:13	0	0	0
236	10/12/2018 14:14	0	0	0
237	10/12/2018 14:15	0	0	0
238	10/12/2018 14:16	0	0	0
239	10/12/2018 14:17	0	0	0
240	10/12/2018 14:18	0	0	0
241	10/12/2018 14:19	0	0	0
242	10/12/2018 14:20	0	0	0
243	10/12/2018 14:21	0	0	0
244	10/12/2018 14:22	0	0	0
245	10/12/2018 14:23	0	0	0
246	10/12/2018 14:24	0	0	0
247	10/12/2018 14:25	0	0	0
248	10/12/2018 14:26	0	0	0
249	10/12/2018 14:27	0	0	0
250	10/12/2018 14:28	0	0	0
251	10/12/2018 14:29	0	0	0
252	10/12/2018 14:30	0	0	0
253	10/12/2018 14:31	0	0	0
254	10/12/2018 14:32	0	0	0
255	10/12/2018 14:33	0	0	0
256	10/12/2018 14:34	0	0	0
257	10/12/2018 14:35	0	0	0
258	10/12/2018 14:36	0	0	0
259	10/12/2018 14:37	0	0	0
260	10/12/2018 14:38	0	0	0
261	10/12/2018 14:39	0	0	0
262	10/12/2018 14:40	0	0	0
263	10/12/2018 14:41	0	0	0
264	10/12/2018 14:42	0	0	0
265	10/12/2018 14:43	0	0	0
266	10/12/2018 14:44	0	0	0
267	10/12/2018 14:45	0	0	0
268	10/12/2018 14:46	0	0	0
269	10/12/2018 14:47	0	0	0
270	10/12/2018 14:48	0	0	0
271	10/12/2018 14:49	0	0	0
272	10/12/2018 14:50	0	0	0
273	10/12/2018 14:51	0	0	0
274	10/12/2018 14:52	0	0.1	0.1
275	10/12/2018 14:53	0	0.1	0
276	10/12/2018 14:54	0	0.1	0
277	10/12/2018 14:55	0	0.1	0.1
278	10/12/2018 14:56	0.1	0.1	0.1
279	10/12/2018 14:57	0.1	0.1	0.1
280	10/12/2018 14:58	0.1	0.1	0.1
281	10/12/2018 14:59	0.1	0.1	0.1
282	10/12/2018 15:00	0.1	0.1	0.1
283	10/12/2018 15:01	0.1	0.1	0.1
284	10/12/2018 15:02	0.1	0.1	0.1
285	10/12/2018 15:03	0.1	0.1	0.1
286	10/12/2018 15:04	0.1	0.1	0.1
287	10/12/2018 15:05	0.1	0.1	0.1
Peak		0.5	0.7	0.5
Min		0	0	0
Average		0.1	0.2	0.1

****

TWA/STEL

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	10/12/2018 10:19	0	---	
2	10/12/2018 10:20	0	---	
3	10/12/2018 10:21	0	---	
4	10/12/2018 10:22	0	---	
5	10/12/2018 10:23	0	---	
6	10/12/2018 10:24	0	---	
7	10/12/2018 10:25	0	---	
8	10/12/2018 10:26	0	---	
9	10/12/2018 10:27	0	---	
10	10/12/2018 10:28	0	---	
11	10/12/2018 10:29	0	---	
12	10/12/2018 10:30	0	---	
13	10/12/2018 10:31	0	---	
14	10/12/2018 10:32	0	---	
15	10/12/2018 10:33	0	0	
16	10/12/2018 10:34	0	0	
17	10/12/2018 10:35	0	0	
18	10/12/2018 10:36	0	0	
19	10/12/2018 10:37	0	0	
20	10/12/2018 10:38	0	0	
21	10/12/2018 10:39	0	0	
22	10/12/2018 10:40	0	0.1	
23	10/12/2018 10:41	0	0.1	
24	10/12/2018 10:42	0	0.1	
25	10/12/2018 10:43	0	0.1	
26	10/12/2018 10:44	0	0.2	
27	10/12/2018 10:45	0	0.2	
28	10/12/2018 10:46	0	0.2	
29	10/12/2018 10:47	0	0.3	
30	10/12/2018 10:48	0	0.3	
31	10/12/2018 10:49	0	0.3	
32	10/12/2018 10:50	0	0.4	
33	10/12/2018 10:51	0	0.4	
34	10/12/2018 10:52	0	0.4	
35	10/12/2018 10:53	0	0.4	
36	10/12/2018 10:54	0	0.5	
37	10/12/2018 10:55	0	0.5	
38	10/12/2018 10:56	0	0.5	
39	10/12/2018 10:57	0	0.5	
40	10/12/2018 10:58	0	0.5	
41	10/12/2018 10:59	0	0.5	
42	10/12/2018 11:00	0	0.5	
43	10/12/2018 11:01	0	0.5	
44	10/12/2018 11:02	0	0.5	
45	10/12/2018 11:03	0	0.5	
46	10/12/2018 11:04	0	0.4	
47	10/12/2018 11:05	0	0.4	
48	10/12/2018 11:06	0	0.4	
49	10/12/2018 11:07	0	0.4	
50	10/12/2018 11:08	0	0.4	
51	10/12/2018 11:09	0	0.4	
52	10/12/2018 11:10	0	0.4	
53	10/12/2018 11:11	0	0.4	
54	10/12/2018 11:12	0	0.4	
55	10/12/2018 11:13	0	0.4	
56	10/12/2018 11:14	0	0.4	
57	10/12/2018 11:15	0	0.4	
58	10/12/2018 11:16	0	0.4	
59	10/12/2018 11:17	0	0.4	
60	10/12/2018 11:18	0	0.4	
61	10/12/2018 11:19	0	0.4	
62	10/12/2018 11:20	0	0.5	
63	10/12/2018 11:21	0	0.5	
64	10/12/2018 11:22	0	0.5	
65	10/12/2018 11:23	0	0.5	
66	10/12/2018 11:24	0	0.5	
67	10/12/2018 11:25	0	0.5	
68	10/12/2018 11:26	0	0.5	
69	10/12/2018 11:27	0	0.5	
70	10/12/2018 11:28	0	0.5	
71	10/12/2018 11:29	0	0.5	
72	10/12/2018 11:30	0	0.5	
73	10/12/2018 11:31	0	0.5	
74	10/12/2018 11:32	0	0.5	
75	10/12/2018 11:33	0	0.5	
76	10/12/2018 11:34	0	0.5	
77	10/12/2018 11:35	0	0.4	
78	10/12/2018 11:36	0.1	0.4	
79	10/12/2018 11:37	0.1	0.4	
80	10/12/2018 11:38	0.1	0.4	
81	10/12/2018 11:39	0.1	0.4	
82	10/12/2018 11:40	0.1	0.4	
83	10/12/2018 11:41	0.1	0.3	
84	10/12/2018 11:42	0.1	0.3	

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
85	10/12/2018 11:43	0.1	0.3	
86	10/12/2018 11:44	0.1	0.3	
87	10/12/2018 11:45	0.1	0.3	
88	10/12/2018 11:46	0.1	0.3	
89	10/12/2018 11:47	0.1	0.2	
90	10/12/2018 11:48	0.1	0.2	
91	10/12/2018 11:49	0.1	0.2	
92	10/12/2018 11:50	0.1	0.2	
93	10/12/2018 11:51	0.1	0.2	
94	10/12/2018 11:52	0.1	0.2	
95	10/12/2018 11:53	0.1	0.2	
96	10/12/2018 11:54	0.1	0.2	
97	10/12/2018 11:55	0.1	0.2	
98	10/12/2018 11:56	0.1	0.1	
99	10/12/2018 11:57	0.1	0.1	
100	10/12/2018 11:58	0.1	0.1	
101	10/12/2018 11:59	0.1	0.1	
102	10/12/2018 12:00	0.1	0.1	
103	10/12/2018 12:01	0.1	0.1	
104	10/12/2018 12:02	0.1	0.1	
105	10/12/2018 12:03	0.1	0.1	
106	10/12/2018 12:04	0.1	0.1	
107	10/12/2018 12:05	0.1	0.1	
108	10/12/2018 12:06	0.1	0.1	
109	10/12/2018 12:07	0.1	0.1	
110	10/12/2018 12:08	0.1	0.1	
111	10/12/2018 12:09	0.1	0.1	
112	10/12/2018 12:10	0.1	0.1	
113	10/12/2018 12:11	0.1	0.1	
114	10/12/2018 12:12	0.1	0.1	
115	10/12/2018 12:13	0.1	0.1	
116	10/12/2018 12:14	0.1	0.1	
117	10/12/2018 12:15	0.1	0.1	
118	10/12/2018 12:16	0.1	0.1	
119	10/12/2018 12:17	0.1	0.1	
120	10/12/2018 12:18	0.1	0.1	
121	10/12/2018 12:19	0.1	0.1	
122	10/12/2018 12:20	0.1	0.1	
123	10/12/2018 12:21	0.1	0.1	
124	10/12/2018 12:22	0.1	0.1	
125	10/12/2018 12:23	0.1	0.1	
126	10/12/2018 12:24	0.1	0.1	
127	10/12/2018 12:25	0.1	0.1	
128	10/12/2018 12:26	0.1	0.1	
129	10/12/2018 12:27	0.1	0.1	
130	10/12/2018 12:28	0.1	0.1	
131	10/12/2018 12:29	0.1	0.1	
132	10/12/2018 12:30	0.1	0.1	
133	10/12/2018 12:31	0.1	0.1	
134	10/12/2018 12:32	0.1	0.1	
135	10/12/2018 12:33	0.1	0.1	
136	10/12/2018 12:34	0.1	0.1	
137	10/12/2018 12:35	0.1	0.1	
138	10/12/2018 12:36	0.1	0.1	
139	10/12/2018 12:37	0.1	0.1	
140	10/12/2018 12:38	0.1	0.1	
141	10/12/2018 12:39	0.1	0.1	
142	10/12/2018 12:40	0.1	0.1	
143	10/12/2018 12:41	0.1	0.1	
144	10/12/2018 12:42	0.1	0.1	
145	10/12/2018 12:43	0.1	0.1	
146	10/12/2018 12:44	0.1	0.1	
147	10/12/2018 12:45	0.1	0.1	
148	10/12/2018 12:46	0.1	0.1	
149	10/12/2018 12:47	0.1	0.1	
150	10/12/2018 12:48	0.1	0.1	
151	10/12/2018 12:49	0.1	0.1	
152	10/12/2018 12:50	0.1	0.1	
153	10/12/2018 12:51	0.1	0.1	
154	10/12/2018 12:52	0.1	0.1	
155	10/12/2018 12:53	0.1	0.1	
156	10/12/2018 12:54	0.1	0.1	
157	10/12/2018 12:55	0.1	0.1	
158	10/12/2018 12:56	0.1	0.1	
159	10/12/2018 12:57	0.1	0.1	
160	10/12/2018 12:58	0.1	0.1	
161	10/12/2018 12:59	0.1	0.1	
162	10/12/2018 13:00	0.1	0.1	
163	10/12/2018 13:01	0.1	0.1	
164	10/12/2018 13:02	0.1	0.1	
165	10/12/2018 13:03	0.1	0.1	
166	10/12/2018 13:04	0.1	0.1	
167	10/12/2018 13:05	0.1	0.1	
168	10/12/2018 13:06	0.1	0.1	
169	10/12/2018 13:07	0.1	0.1	
170	10/12/2018 13:08	0.1	0.1	
171	10/12/2018 13:09	0.1	0.1	

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
172	10/12/2018 13:10	0.1	0.1	
173	10/12/2018 13:11	0.1	0.1	
174	10/12/2018 13:12	0.1	0.1	
175	10/12/2018 13:13	0.1	0.1	
176	10/12/2018 13:14	0.1	0.1	
177	10/12/2018 13:15	0.1	0.1	
178	10/12/2018 13:16	0.1	0.1	
179	10/12/2018 13:17	0.1	0.1	
180	10/12/2018 13:18	0.1	0.1	
181	10/12/2018 13:19	0.1	0.1	
182	10/12/2018 13:20	0.1	0.1	
183	10/12/2018 13:21	0.1	0.1	
184	10/12/2018 13:22	0.1	0.1	
185	10/12/2018 13:23	0.1	0.1	
186	10/12/2018 13:24	0.1	0.1	
187	10/12/2018 13:25	0.1	0.1	
188	10/12/2018 13:26	0.1	0.1	
189	10/12/2018 13:27	0.1	0.1	
190	10/12/2018 13:28	0.1	0.1	
191	10/12/2018 13:29	0.1	0.1	
192	10/12/2018 13:30	0.1	0.1	
193	10/12/2018 13:31	0.1	0.1	
194	10/12/2018 13:32	0.1	0.1	
195	10/12/2018 13:33	0.1	0.1	
196	10/12/2018 13:34	0.1	0.1	
197	10/12/2018 13:35	0.1	0.1	
198	10/12/2018 13:36	0.1	0.1	
199	10/12/2018 13:37	0.1	0.1	
200	10/12/2018 13:38	0.1	0.1	
201	10/12/2018 13:39	0.1	0.1	
202	10/12/2018 13:40	0.1	0.1	
203	10/12/2018 13:41	0.1	0.1	
204	10/12/2018 13:42	0.1	0.1	
205	10/12/2018 13:43	0.1	0.1	
206	10/12/2018 13:44	0.1	0.1	
207	10/12/2018 13:45	0.1	0.1	
208	10/12/2018 13:46	0.1	0.1	
209	10/12/2018 13:47	0.1	0.1	
210	10/12/2018 13:48	0.1	0.1	
211	10/12/2018 13:49	0.1	0.1	
212	10/12/2018 13:50	0.1	0.1	
213	10/12/2018 13:51	0.1	0.1	
214	10/12/2018 13:52	0.1	0.1	
215	10/12/2018 13:53	0.1	0.1	
216	10/12/2018 13:54	0.1	0.1	
217	10/12/2018 13:55	0.1	0.1	
218	10/12/2018 13:56	0.1	0.1	
219	10/12/2018 13:57	0.1	0.1	
220	10/12/2018 13:58	0.1	0.1	
221	10/12/2018 13:59	0.1	0.1	
222	10/12/2018 14:00	0.1	0.1	
223	10/12/2018 14:01	0.1	0.1	
224	10/12/2018 14:02	0.1	0.1	
225	10/12/2018 14:03	0.1	0.1	
226	10/12/2018 14:04	0.1	0.1	
227	10/12/2018 14:05	0.1	0.1	
228	10/12/2018 14:06	0.1	0.1	
229	10/12/2018 14:07	0.1	0.1	
230	10/12/2018 14:08	0.1	0.1	
231	10/12/2018 14:09	0.1	0.1	
232	10/12/2018 14:10	0.1	0.1	
233	10/12/2018 14:11	0.1	0.1	
234	10/12/2018 14:12	0.1	0.1	
235	10/12/2018 14:13	0.1	0	
236	10/12/2018 14:14	0.1	0	
237	10/12/2018 14:15	0.1	0	
238	10/12/2018 14:16	0.1	0	
239	10/12/2018 14:17	0.1	0	
240	10/12/2018 14:18	0.1	0	
241	10/12/2018 14:19	0.1	0	
242	10/12/2018 14:20	0.1	0	
243	10/12/2018 14:21	0.1	0	
244	10/12/2018 14:22	0.1	0	
245	10/12/2018 14:23	0.1	0	
246	10/12/2018 14:24	0.1	0	
247	10/12/2018 14:25	0.1	0	
248	10/12/2018 14:26	0.1	0	
249	10/12/2018 14:27	0.1	0	
250	10/12/2018 14:28	0.1	0	
251	10/12/2018 14:29	0.1	0	
252	10/12/2018 14:30	0.1	0	
253	10/12/2018 14:31	0.1	0	
254	10/12/2018 14:32	0.1	0	
255	10/12/2018 14:33	0.1	0	
256	10/12/2018 14:34	0.1	0	
257	10/12/2018 14:35	0.1	0	
258	10/12/2018 14:36	0.1	0	

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
259	10/12/2018 14:37	0.1	0	
260	10/12/2018 14:38	0.1	0	
261	10/12/2018 14:39	0.1	0	
262	10/12/2018 14:40	0.1	0	
263	10/12/2018 14:41	0.1	0	
264	10/12/2018 14:42	0.1	0	
265	10/12/2018 14:43	0.1	0	
266	10/12/2018 14:44	0.1	0	
267	10/12/2018 14:45	0.1	0	
268	10/12/2018 14:46	0.1	0	
269	10/12/2018 14:47	0.1	0	
270	10/12/2018 14:48	0.1	0	
271	10/12/2018 14:49	0.1	0	
272	10/12/2018 14:50	0.1	0	
273	10/12/2018 14:51	0.1	0	
274	10/12/2018 14:52	0.1	0	
275	10/12/2018 14:53	0.1	0	
276	10/12/2018 14:54	0.1	0	
277	10/12/2018 14:55	0.1	0	
278	10/12/2018 14:56	0.1	0	
279	10/12/2018 14:57	0.1	0	
280	10/12/2018 14:58	0.1	0	
281	10/12/2018 14:59	0.1	0	
282	10/12/2018 15:00	0.1	0	
283	10/12/2018 15:01	0.1	0.1	
284	10/12/2018 15:02	0.1	0.1	
285	10/12/2018 15:03	0.1	0.1	
286	10/12/2018 15:04	0.1	0.1	
287	10/12/2018 15:05	0.1	0.1	

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18/10/15 09:01

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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-916196
Unit Firmware Ver	V2.16

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	12345678
User ID	12345678

Begin	10/15/2018 9:01
End	10/15/2018 9:02
Sample Period(s)	60
Number of Records	0

Sensor	PID(ppm)
Sensor SN	S023030233SB
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	10/10/2018 15:46

****

Datalog

0 record.

APPENDIX 5

PHOTOGRAPHIC LOG

Exterior riser (PVC).

DP-01 – Vertical depressurization point during installation.

DP-02 – Vertical depressurization point.

DP-03 – Horizontal depressurization point extending below the western portion of the Site building where no basement is present.

Festa Radon Technologies Company FRT Force fan, located on the roof of the Site building.

Sealing of floor cracks in building basement.

U-tube manometer on one of the depressurization points.

U-tube manometer and label on one of the depressurization points

APPENDIX 6

LABORATORY REPORTS

Centek Laboratories TO-15 Package Review CheckList

Client: LaBella-Rochester **Project:** 113-117 N Clinton SDG: C2012057

		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: 113-117 N Clinton SDG: C2012057

		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:

Section Supervisor: Will Dodd Date: 1/20/2021

QC Supervisor: [signature] Date: 1/20/21

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

Daniel Noll
LaBella Associates, P.C.
300 State Street, Suite 201
Rochester, NY 14614

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

Thursday, January 07, 2021
Order No.: C2012057

RE: 113-117 N Clinton SVI Heating Season

Dear Daniel Noll:

Centek Laboratories, LLC received 4 sample(s) on 12/30/2020 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.

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

Sincerely,

William Dobbin
Lead Technical Director

Disclaimer: The test results and procedures utilized, and laboratory interpretations of the data obtained by Centek 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
Table of Contents

CENTEK LABORATORIES, LLC

Date: *20-Jan-21*

CLIENT: LaBella Associates, P.C.
Project: 113-117 N Clinton SVI Heating Season
Lab Order: C2012057

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.

See Corrective Action: [4236] MS/MSD did not meet criteria.

Centek Laboratories, LLC

Corrective Action Report

Date Initiated: 02-Jan-21
Corrective Action Report ID: 4236
Initiated By: Russell Pellegrino
Department: MSVOA

Corrective Action Description

CAR Summary: MS/MSD did not meet criteria.

Description of Nonconformance Root/Cause(s): Many compounds did not meet criteria for sample C2012057-002 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: 04-Jan-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: 05-Jan-21

QA Officer Approval: Nick Scala
QA Date: 05-Jan-21

Last Updated BY russ
Updated: 20-Jan-2021 10:42 AM
Reported: 20-Jan-2021 10:42 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: 113-117 N Clinton
Project: SVI Heating Season
PO#: 20201229
Quote #: Q-SP
Canister Order #: 8667

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
City, State, Zip: Rochester, NY 14614
Email: dnoll@labellapc.com; jfolger@labellapc.com
Phone: 585-454-6110

Company: *Check Here If Same:* ☒

Invoice to:
Address:
City, State, Zip
Email:
Phone:

Sample ID	Date Sampled	Canister Number	Regulator Number	Analysis Request	Field Vacuum Start / Stop	Labs Vacuum** Rec'd/Analysis	Comments
1A-01	12/28 - 12/29/20	1185	447	TO-15	-30 / -4	-5 / -5	11:45 12/28 - 9:00 12/29
1A02 (MS/MSD)	"	1201	509	"	-30 / -7	-7 / -7	11:50 12/28 - 10:30 12/29
OA-01	"	209	377	"	-30 / -4	-1 / -2	12:00 12/28 - 9:10 12/29
Duplicate	"	328	385	"	-28.5 / -0.5	-3 / -3	11:45 12/28 - 4:00 12/29
					/	/	
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Chain of Custody	Print Name	Signature	Date/Time	Courier: CIRCLE ONE
Sampled by:	Jeffrey Folger	Jeffrey Folger	12/29/20 12:00	FedEx UPS Pickup/Dropoff
Relinquished by:				**For LAB USE ONLY
Received at Lab by:	Daniel J. Heinz	Daniel J. Heinz	12/30/2020	Work Order # C2012057

***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.

Centek Laboratories, LLC

CENTEK LABORATORIES, LLC

Date: *20-Jan-21*

CLIENT: LaBella Associates, P.C.
Project: 113-117 N Clinton SVI Heating Season
Lab Order: C2012057

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
C2012057-001A	IA-01	1185,447	12/29/2020	12/30/2020
C2012057-002A	IA-02 (MS/MSD)	1201,509	12/29/2020	12/30/2020
C2012057-003A	OA-01	205,377	12/29/2020	12/30/2020
C2012057-004A	Duplicate	328,385	12/29/2020	12/30/2020

CENTEK LABORATORIES, LLC

Sample Receipt Checklist

Client Name **LABELLA - ROCHESTER** Date and Time Receive **12/30/2020**

Work Order Number **C2012057** Received by: DH

Checklist completed by _____ 12/30/2020 Reviewed by _____ 12/30/20
Signature Date 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 be

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

_____

_____

Corrective Action _____

_____

QC'd By: DATE:

Lab Order: C2012057
Client: LaBella Associates, P.C.
Project: 113-117 N Clinton SVI Heating Se

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
C2012057-001A	IA-01	12/29/2020	Air	1ug/m3 w/ 0.2ug/M3 CT-TCE-VC-DCE-1,1DCE			1/2/2021
				1ug/m3 w/ 0.2ug/M3 CT-TCE-VC-DCE-1,1DCE			1/2/2021
C2012057-002A	IA-02 (MS/MSD)			1ug/m3 w/ 0.2ug/M3 CT-TCE-VC-DCE-1,1DCE			1/2/2021
				1ug/m3 w/ 0.2ug/M3 CT-TCE-VC-DCE-1,1DCE			1/2/2021
C2012057-003A	OA-01			1ug/m3 w/ 0.2ug/M3 CT-TCE-VC-DCE-1,1DCE			1/2/2021
				1ug/m3 w/ 0.2ug/M3 CT-TCE-VC-DCE-1,1DCE			1/2/2021
C2012057-004A	Duplicate			1ug/m3 w/ 0.2ug/M3 CT-TCE-VC-DCE-1,1DCE			1/2/2021
				1ug/m3 w/ 0.2ug/M3 CT-TCE-VC-DCE-1,1DCE			1/2/2021

Centek Laboratories, LLC

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

8667

20-Jan-21

SHIPPED TO:

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

Submitted By:
MadeBy: rjp
Ship Date: 12/18/2020
VIA: UPS - Ground
Due Date: 12/21/2020

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	5

Can / Reg ID	Description
1180	1L Mini-Can - 1244 VI
1185	1L Mini-Can - 1260 VI
328	1L Mini-Can - 1291 VI
1201	1.4L Mini-Can - 1362 VI
288	1L Mini-Can - 1264 VI
377	Time-Set Reg - 751 VI
379	Time-Set Reg - 753 VI
385	Time-Set Reg - 759 VI
439	Time-Set Reg - 818 VI
447	Time-Set Reg - 826 VI
509	Time-Set Reg - 2776 IAQ
205	1L Mini-Can - 1160 VI

Comments: 5 1L @ 24hr + 1 1.4 @ 24hr WAC 092520 A-B, 120120 A-C

GC/MS VOLATILES-WHOLE AIR

METHOD TO-15

ANALYTICAL RESULTS

Centek Laboratories, LLC

Date: *12-Jan-21*

CLIENT: LaBella Associates, P.C.
Client Sample ID: IA-01
Lab Order: C2012057
Tag Number: 1185,447
Project: 113-117 N Clinton SVI Heating Season
Collection Date: 12/29/2020
Lab ID: C2012057-001A
Matrix: AIR

Analyses	Result	DL	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		FLD				Analyst:
Lab Vacuum In	-5			"Hg		12/30/2020
Lab Vacuum Out	-30			"Hg		12/30/2020
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		TO-15				Analyst: RJP
1,1,1-Trichloroethane	< 0.15	0.15		ppbV	1	1/2/2021 2:00:00 PM
1,1,2,2-Tetrachloroethane	< 0.15	0.15		ppbV	1	1/2/2021 2:00:00 PM
1,1,2-Trichloroethane	< 0.15	0.15		ppbV	1	1/2/2021 2:00:00 PM
1,1-Dichloroethane	< 0.15	0.15		ppbV	1	1/2/2021 2:00:00 PM
1,1-Dichloroethene	< 0.040	0.040		ppbV	1	1/2/2021 2:00:00 PM
1,2,4-Trichlorobenzene	< 0.15	0.15		ppbV	1	1/2/2021 2:00:00 PM
1,2,4-Trimethylbenzene	0.22	0.15		ppbV	1	1/2/2021 2:00:00 PM
1,2-Dibromoethane	< 0.15	0.15		ppbV	1	1/2/2021 2:00:00 PM
1,2-Dichlorobenzene	< 0.15	0.15		ppbV	1	1/2/2021 2:00:00 PM
1,2-Dichloroethane	< 0.15	0.15		ppbV	1	1/2/2021 2:00:00 PM
1,2-Dichloropropane	< 0.15	0.15		ppbV	1	1/2/2021 2:00:00 PM
1,3,5-Trimethylbenzene	0.41	0.15		ppbV	1	1/2/2021 2:00:00 PM
1,3-butadiene	< 0.15	0.15		ppbV	1	1/2/2021 2:00:00 PM
1,3-Dichlorobenzene	< 0.15	0.15		ppbV	1	1/2/2021 2:00:00 PM
1,4-Dichlorobenzene	< 0.15	0.15		ppbV	1	1/2/2021 2:00:00 PM
1,4-Dioxane	< 0.30	0.30		ppbV	1	1/2/2021 2:00:00 PM
2,2,4-trimethylpentane	< 0.15	0.15		ppbV	1	1/2/2021 2:00:00 PM
4-ethyltoluene	< 0.15	0.15		ppbV	1	1/2/2021 2:00:00 PM
Acetone	16	3.0		ppbV	10	1/2/2021 7:08:00 PM
Allyl chloride	< 0.15	0.15		ppbV	1	1/2/2021 2:00:00 PM
Benzene	0.26	0.15		ppbV	1	1/2/2021 2:00:00 PM
Benzyl chloride	< 0.15	0.15		ppbV	1	1/2/2021 2:00:00 PM
Bromodichloromethane	< 0.15	0.15		ppbV	1	1/2/2021 2:00:00 PM
Bromoform	< 0.15	0.15		ppbV	1	1/2/2021 2:00:00 PM
Bromomethane	< 0.15	0.15		ppbV	1	1/2/2021 2:00:00 PM
Carbon disulfide	0.12	0.15	J	ppbV	1	1/2/2021 2:00:00 PM
Carbon tetrachloride	0.090	0.030		ppbV	1	1/2/2021 2:00:00 PM
Chlorobenzene	< 0.15	0.15		ppbV	1	1/2/2021 2:00:00 PM
Chloroethane	< 0.15	0.15		ppbV	1	1/2/2021 2:00:00 PM
Chloroform	0.39	0.15		ppbV	1	1/2/2021 2:00:00 PM
Chloromethane	< 0.15	0.15		ppbV	1	1/2/2021 2:00:00 PM
cis-1,2-Dichloroethene	< 0.040	0.040		ppbV	1	1/2/2021 2:00:00 PM
cis-1,3-Dichloropropene	< 0.15	0.15		ppbV	1	1/2/2021 2:00:00 PM
Cyclohexane	0.11	0.15	J	ppbV	1	1/2/2021 2:00:00 PM
Dibromochloromethane	< 0.15	0.15		ppbV	1	1/2/2021 2:00:00 PM
Ethyl acetate	0.32	0.15		ppbV	1	1/2/2021 2:00:00 PM

Qualifiers:

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

Centek Laboratories, LLC

Date: *12-Jan-21*

CLIENT:	LaBella Associates, P.C.	**Client Sample ID:**	IA-01
Lab Order:	C2012057	**Tag Number:**	1185,447
Project:	113-117 N Clinton SVI Heating Season	**Collection Date:**	12/29/2020
Lab ID:	C2012057-001A	**Matrix:**	AIR

Analyses	Result	DL	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		**TO-15**				Analyst: **RJP**
Ethylbenzene	0.11	0.15	J	ppbV	1	1/2/2021 2:00:00 PM
Freon 11	0.24	0.15		ppbV	1	1/2/2021 2:00:00 PM
Freon 113	< 0.15	0.15		ppbV	1	1/2/2021 2:00:00 PM
Freon 114	< 0.15	0.15		ppbV	1	1/2/2021 2:00:00 PM
Freon 12	0.47	0.15		ppbV	1	1/2/2021 2:00:00 PM
Heptane	0.24	0.15		ppbV	1	1/2/2021 2:00:00 PM
Hexachloro-1,3-butadiene	< 0.15	0.15		ppbV	1	1/2/2021 2:00:00 PM
Hexane	0.21	0.15		ppbV	1	1/2/2021 2:00:00 PM
Isopropyl alcohol	11	1.5		ppbV	10	1/2/2021 7:08:00 PM
m&p-Xylene	0.37	0.30		ppbV	1	1/2/2021 2:00:00 PM
Methyl Butyl Ketone	< 0.30	0.30		ppbV	1	1/2/2021 2:00:00 PM
Methyl Ethyl Ketone	1.5	0.30		ppbV	1	1/2/2021 2:00:00 PM
Methyl Isobutyl Ketone	0.16	0.30	J	ppbV	1	1/2/2021 2:00:00 PM
Methyl tert-butyl ether	< 0.15	0.15		ppbV	1	1/2/2021 2:00:00 PM
Methylene chloride	0.66	0.15		ppbV	1	1/2/2021 2:00:00 PM
o-Xylene	0.15	0.15		ppbV	1	1/2/2021 2:00:00 PM
Propylene	< 0.15	0.15		ppbV	1	1/2/2021 2:00:00 PM
Styrene	0.21	0.15		ppbV	1	1/2/2021 2:00:00 PM
Tetrachloroethylene	3.5	1.5		ppbV	10	1/2/2021 7:08:00 PM
Tetrahydrofuran	0.44	0.15		ppbV	1	1/2/2021 2:00:00 PM
Toluene	1.1	0.15		ppbV	1	1/2/2021 2:00:00 PM
trans-1,2-Dichloroethene	< 0.15	0.15		ppbV	1	1/2/2021 2:00:00 PM
trans-1,3-Dichloropropene	< 0.15	0.15		ppbV	1	1/2/2021 2:00:00 PM
Trichloroethene	0.12	0.030		ppbV	1	1/2/2021 2:00:00 PM
Vinyl acetate	< 0.15	0.15		ppbV	1	1/2/2021 2:00:00 PM
Vinyl Bromide	< 0.15	0.15		ppbV	1	1/2/2021 2:00:00 PM
Vinyl chloride	< 0.040	0.040		ppbV	1	1/2/2021 2:00:00 PM
Surr: Bromofluorobenzene	98.0	47-124		%REC	1	1/2/2021 2:00:00 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: *12-Jan-21*

CLIENT:	LaBella Associates, P.C.	**Client Sample ID:**	IA-01
Lab Order:	C2012057	**Tag Number:**	1185,447
Project:	113-117 N Clinton SVI Heating Season	**Collection Date:**	12/29/2020
Lab ID:	C2012057-001A	**Matrix:**	AIR

Analyses	Result	DL	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	< 0.82	0.82		ug/m3	1	1/2/2021 2:00:00 PM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		ug/m3	1	1/2/2021 2:00:00 PM
1,1,2-Trichloroethane	< 0.82	0.82		ug/m3	1	1/2/2021 2:00:00 PM
1,1-Dichloroethane	< 0.61	0.61		ug/m3	1	1/2/2021 2:00:00 PM
1,1-Dichloroethene	< 0.16	0.16		ug/m3	1	1/2/2021 2:00:00 PM
1,2,4-Trichlorobenzene	< 1.1	1.1		ug/m3	1	1/2/2021 2:00:00 PM
1,2,4-Trimethylbenzene	1.1	0.74		ug/m3	1	1/2/2021 2:00:00 PM
1,2-Dibromoethane	< 1.2	1.2		ug/m3	1	1/2/2021 2:00:00 PM
1,2-Dichlorobenzene	< 0.90	0.90		ug/m3	1	1/2/2021 2:00:00 PM
1,2-Dichloroethane	< 0.61	0.61		ug/m3	1	1/2/2021 2:00:00 PM
1,2-Dichloropropane	< 0.69	0.69		ug/m3	1	1/2/2021 2:00:00 PM
1,3,5-Trimethylbenzene	2.0	0.74		ug/m3	1	1/2/2021 2:00:00 PM
1,3-butadiene	< 0.33	0.33		ug/m3	1	1/2/2021 2:00:00 PM
1,3-Dichlorobenzene	< 0.90	0.90		ug/m3	1	1/2/2021 2:00:00 PM
1,4-Dichlorobenzene	< 0.90	0.90		ug/m3	1	1/2/2021 2:00:00 PM
1,4-Dioxane	< 1.1	1.1		ug/m3	1	1/2/2021 2:00:00 PM
2,2,4-trimethylpentane	< 0.70	0.70		ug/m3	1	1/2/2021 2:00:00 PM
4-ethyltoluene	< 0.74	0.74		ug/m3	1	1/2/2021 2:00:00 PM
Acetone	37	7.1		ug/m3	10	1/2/2021 7:08:00 PM
Allyl chloride	< 0.47	0.47		ug/m3	1	1/2/2021 2:00:00 PM
Benzene	0.83	0.48		ug/m3	1	1/2/2021 2:00:00 PM
Benzyl chloride	< 0.86	0.86		ug/m3	1	1/2/2021 2:00:00 PM
Bromodichloromethane	< 1.0	1.0		ug/m3	1	1/2/2021 2:00:00 PM
Bromoform	< 1.6	1.6		ug/m3	1	1/2/2021 2:00:00 PM
Bromomethane	< 0.58	0.58		ug/m3	1	1/2/2021 2:00:00 PM
Carbon disulfide	0.37	0.47	J	ug/m3	1	1/2/2021 2:00:00 PM
Carbon tetrachloride	0.57	0.19		ug/m3	1	1/2/2021 2:00:00 PM
Chlorobenzene	< 0.69	0.69		ug/m3	1	1/2/2021 2:00:00 PM
Chloroethane	< 0.40	0.40		ug/m3	1	1/2/2021 2:00:00 PM
Chloroform	1.9	0.73		ug/m3	1	1/2/2021 2:00:00 PM
Chloromethane	< 0.31	0.31		ug/m3	1	1/2/2021 2:00:00 PM
cis-1,2-Dichloroethene	< 0.16	0.16		ug/m3	1	1/2/2021 2:00:00 PM
cis-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	1/2/2021 2:00:00 PM
Cyclohexane	0.38	0.52	J	ug/m3	1	1/2/2021 2:00:00 PM
Dibromochloromethane	< 1.3	1.3		ug/m3	1	1/2/2021 2:00:00 PM
Ethyl acetate	1.2	0.54		ug/m3	1	1/2/2021 2:00:00 PM
Ethylbenzene	0.48	0.65	J	ug/m3	1	1/2/2021 2:00:00 PM
Freon 11	1.3	0.84		ug/m3	1	1/2/2021 2:00:00 PM
Freon 113	< 1.1	1.1		ug/m3	1	1/2/2021 2:00:00 PM
Freon 114	< 1.0	1.0		ug/m3	1	1/2/2021 2:00:00 PM

Qualifiers:

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

Centek Laboratories, LLC

Date: *12-Jan-21*

CLIENT:	LaBella Associates, P.C.	**Client Sample ID:**	IA-01
Lab Order:	C2012057	**Tag Number:**	1185,447
Project:	113-117 N Clinton SVI Heating Season	**Collection Date:**	12/29/2020
Lab ID:	C2012057-001A	**Matrix:**	AIR

Analyses	Result	DL	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		**TO-15**				Analyst: **RJP**
Freon 12	2.3	0.74		ug/m3	1	1/2/2021 2:00:00 PM
Heptane	0.98	0.61		ug/m3	1	1/2/2021 2:00:00 PM
Hexachloro-1,3-butadiene	< 1.6	1.6		ug/m3	1	1/2/2021 2:00:00 PM
Hexane	0.74	0.53		ug/m3	1	1/2/2021 2:00:00 PM
Isopropyl alcohol	27	3.7		ug/m3	10	1/2/2021 7:08:00 PM
m&p-Xylene	1.6	1.3		ug/m3	1	1/2/2021 2:00:00 PM
Methyl Butyl Ketone	< 1.2	1.2		ug/m3	1	1/2/2021 2:00:00 PM
Methyl Ethyl Ketone	4.5	0.88		ug/m3	1	1/2/2021 2:00:00 PM
Methyl Isobutyl Ketone	0.66	1.2	J	ug/m3	1	1/2/2021 2:00:00 PM
Methyl tert-butyl ether	< 0.54	0.54		ug/m3	1	1/2/2021 2:00:00 PM
Methylene chloride	2.3	0.52		ug/m3	1	1/2/2021 2:00:00 PM
o-Xylene	0.65	0.65		ug/m3	1	1/2/2021 2:00:00 PM
Propylene	< 0.26	0.26		ug/m3	1	1/2/2021 2:00:00 PM
Styrene	0.89	0.64		ug/m3	1	1/2/2021 2:00:00 PM
Tetrachloroethylene	24	10		ug/m3	10	1/2/2021 7:08:00 PM
Tetrahydrofuran	1.3	0.44		ug/m3	1	1/2/2021 2:00:00 PM
Toluene	4.3	0.57		ug/m3	1	1/2/2021 2:00:00 PM
trans-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	1/2/2021 2:00:00 PM
trans-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	1/2/2021 2:00:00 PM
Trichloroethene	0.64	0.16		ug/m3	1	1/2/2021 2:00:00 PM
Vinyl acetate	< 0.53	0.53		ug/m3	1	1/2/2021 2:00:00 PM
Vinyl Bromide	< 0.66	0.66		ug/m3	1	1/2/2021 2:00:00 PM
Vinyl chloride	< 0.10	0.10		ug/m3	1	1/2/2021 2:00:00 PM

Qualifiers:

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

Centek Laboratories, LLC

Date: *12-Jan-21*

CLIENT: LaBella Associates, P.C.
Client Sample ID: IA-02 (MS/MSD)
Lab Order: C2012057
Tag Number: 1201,509
Project: 113-117 N Clinton SVI Heating Season
Collection Date: 12/29/2020
Lab ID: C2012057-002A
Matrix: AIR

Analyses	Result	DL	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		FLD				Analyst:
Lab Vacuum In	-7			"Hg		12/30/2020
Lab Vacuum Out	-30			"Hg		12/30/2020
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		TO-15				Analyst: RJP
1,1,1-Trichloroethane	< 0.15	0.15		ppbV	1	1/2/2021 2:45:00 PM
1,1,2,2-Tetrachloroethane	< 0.15	0.15		ppbV	1	1/2/2021 2:45:00 PM
1,1,2-Trichloroethane	< 0.15	0.15		ppbV	1	1/2/2021 2:45:00 PM
1,1-Dichloroethane	< 0.15	0.15		ppbV	1	1/2/2021 2:45:00 PM
1,1-Dichloroethene	< 0.040	0.040		ppbV	1	1/2/2021 2:45:00 PM
1,2,4-Trichlorobenzene	< 0.15	0.15		ppbV	1	1/2/2021 2:45:00 PM
1,2,4-Trimethylbenzene	0.21	0.15		ppbV	1	1/2/2021 2:45:00 PM
1,2-Dibromoethane	< 0.15	0.15		ppbV	1	1/2/2021 2:45:00 PM
1,2-Dichlorobenzene	< 0.15	0.15		ppbV	1	1/2/2021 2:45:00 PM
1,2-Dichloroethane	< 0.15	0.15		ppbV	1	1/2/2021 2:45:00 PM
1,2-Dichloropropane	< 0.15	0.15		ppbV	1	1/2/2021 2:45:00 PM
1,3,5-Trimethylbenzene	0.32	0.15		ppbV	1	1/2/2021 2:45:00 PM
1,3-butadiene	< 0.15	0.15		ppbV	1	1/2/2021 2:45:00 PM
1,3-Dichlorobenzene	< 0.15	0.15		ppbV	1	1/2/2021 2:45:00 PM
1,4-Dichlorobenzene	< 0.15	0.15		ppbV	1	1/2/2021 2:45:00 PM
1,4-Dioxane	< 0.30	0.30		ppbV	1	1/2/2021 2:45:00 PM
2,2,4-trimethylpentane	< 0.15	0.15		ppbV	1	1/2/2021 2:45:00 PM
4-ethyltoluene	< 0.15	0.15		ppbV	1	1/2/2021 2:45:00 PM
Acetone	12	3.0		ppbV	10	1/2/2021 7:51:00 PM
Allyl chloride	< 0.15	0.15		ppbV	1	1/2/2021 2:45:00 PM
Benzene	0.23	0.15		ppbV	1	1/2/2021 2:45:00 PM
Benzyl chloride	< 0.15	0.15		ppbV	1	1/2/2021 2:45:00 PM
Bromodichloromethane	< 0.15	0.15		ppbV	1	1/2/2021 2:45:00 PM
Bromoform	< 0.15	0.15		ppbV	1	1/2/2021 2:45:00 PM
Bromomethane	< 0.15	0.15		ppbV	1	1/2/2021 2:45:00 PM
Carbon disulfide	< 0.15	0.15		ppbV	1	1/2/2021 2:45:00 PM
Carbon tetrachloride	0.080	0.030		ppbV	1	1/2/2021 2:45:00 PM
Chlorobenzene	< 0.15	0.15		ppbV	1	1/2/2021 2:45:00 PM
Chloroethane	< 0.15	0.15		ppbV	1	1/2/2021 2:45:00 PM
Chloroform	0.40	0.15		ppbV	1	1/2/2021 2:45:00 PM
Chloromethane	< 0.15	0.15		ppbV	1	1/2/2021 2:45:00 PM
cis-1,2-Dichloroethene	< 0.040	0.040		ppbV	1	1/2/2021 2:45:00 PM
cis-1,3-Dichloropropene	< 0.15	0.15		ppbV	1	1/2/2021 2:45:00 PM
Cyclohexane	< 0.15	0.15		ppbV	1	1/2/2021 2:45:00 PM
Dibromochloromethane	< 0.15	0.15		ppbV	1	1/2/2021 2:45:00 PM
Ethyl acetate	0.34	0.15		ppbV	1	1/2/2021 2:45:00 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: *12-Jan-21*

CLIENT:	LaBella Associates, P.C.	**Client Sample ID:**	IA-02 (MS/MSD)
Lab Order:	C2012057	**Tag Number:**	1201,509
Project:	113-117 N Clinton SVI Heating Season	**Collection Date:**	12/29/2020
Lab ID:	C2012057-002A	**Matrix:**	AIR

Analyses	Result	DL	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		**TO-15**				Analyst: **RJP**
Ethylbenzene	0.11	0.15	J	ppbV	1	1/2/2021 2:45:00 PM
Freon 11	0.24	0.15		ppbV	1	1/2/2021 2:45:00 PM
Freon 113	< 0.15	0.15		ppbV	1	1/2/2021 2:45:00 PM
Freon 114	< 0.15	0.15		ppbV	1	1/2/2021 2:45:00 PM
Freon 12	0.45	0.15		ppbV	1	1/2/2021 2:45:00 PM
Heptane	0.23	0.15		ppbV	1	1/2/2021 2:45:00 PM
Hexachloro-1,3-butadiene	< 0.15	0.15		ppbV	1	1/2/2021 2:45:00 PM
Hexane	0.21	0.15		ppbV	1	1/2/2021 2:45:00 PM
Isopropyl alcohol	11	1.5		ppbV	10	1/2/2021 7:51:00 PM
m&p-Xylene	0.38	0.30		ppbV	1	1/2/2021 2:45:00 PM
Methyl Butyl Ketone	< 0.30	0.30		ppbV	1	1/2/2021 2:45:00 PM
Methyl Ethyl Ketone	1.5	0.30		ppbV	1	1/2/2021 2:45:00 PM
Methyl Isobutyl Ketone	0.17	0.30	J	ppbV	1	1/2/2021 2:45:00 PM
Methyl tert-butyl ether	< 0.15	0.15		ppbV	1	1/2/2021 2:45:00 PM
Methylene chloride	0.68	0.15		ppbV	1	1/2/2021 2:45:00 PM
o-Xylene	0.14	0.15	J	ppbV	1	1/2/2021 2:45:00 PM
Propylene	< 0.15	0.15		ppbV	1	1/2/2021 2:45:00 PM
Styrene	0.21	0.15		ppbV	1	1/2/2021 2:45:00 PM
Tetrachloroethylene	3.4	1.5		ppbV	10	1/2/2021 7:51:00 PM
Tetrahydrofuran	0.46	0.15		ppbV	1	1/2/2021 2:45:00 PM
Toluene	1.1	0.15		ppbV	1	1/2/2021 2:45:00 PM
trans-1,2-Dichloroethene	< 0.15	0.15		ppbV	1	1/2/2021 2:45:00 PM
trans-1,3-Dichloropropene	< 0.15	0.15		ppbV	1	1/2/2021 2:45:00 PM
Trichloroethene	0.11	0.030		ppbV	1	1/2/2021 2:45:00 PM
Vinyl acetate	< 0.15	0.15		ppbV	1	1/2/2021 2:45:00 PM
Vinyl Bromide	< 0.15	0.15		ppbV	1	1/2/2021 2:45:00 PM
Vinyl chloride	< 0.040	0.040		ppbV	1	1/2/2021 2:45:00 PM
Surr: Bromofluorobenzene	98.0	47-124		%REC	1	1/2/2021 2:45:00 PM

Qualifiers:

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

Centek Laboratories, LLC

Date: *12-Jan-21*

CLIENT: LaBella Associates, P.C.
Client Sample ID: IA-02 (MS/MSD)
Lab Order: C2012057
Tag Number: 1201,509
Project: 113-117 N Clinton SVI Heating Season
Collection Date: 12/29/2020
Lab ID: C2012057-002A
Matrix: AIR

Analyses	Result	DL	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	< 0.82	0.82		ug/m3	1	1/2/2021 2:45:00 PM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		ug/m3	1	1/2/2021 2:45:00 PM
1,1,2-Trichloroethane	< 0.82	0.82		ug/m3	1	1/2/2021 2:45:00 PM
1,1-Dichloroethane	< 0.61	0.61		ug/m3	1	1/2/2021 2:45:00 PM
1,1-Dichloroethene	< 0.16	0.16		ug/m3	1	1/2/2021 2:45:00 PM
1,2,4-Trichlorobenzene	< 1.1	1.1		ug/m3	1	1/2/2021 2:45:00 PM
1,2,4-Trimethylbenzene	1.0	0.74		ug/m3	1	1/2/2021 2:45:00 PM
1,2-Dibromoethane	< 1.2	1.2		ug/m3	1	1/2/2021 2:45:00 PM
1,2-Dichlorobenzene	< 0.90	0.90		ug/m3	1	1/2/2021 2:45:00 PM
1,2-Dichloroethane	< 0.61	0.61		ug/m3	1	1/2/2021 2:45:00 PM
1,2-Dichloropropane	< 0.69	0.69		ug/m3	1	1/2/2021 2:45:00 PM
1,3,5-Trimethylbenzene	1.6	0.74		ug/m3	1	1/2/2021 2:45:00 PM
1,3-butadiene	< 0.33	0.33		ug/m3	1	1/2/2021 2:45:00 PM
1,3-Dichlorobenzene	< 0.90	0.90		ug/m3	1	1/2/2021 2:45:00 PM
1,4-Dichlorobenzene	< 0.90	0.90		ug/m3	1	1/2/2021 2:45:00 PM
1,4-Dioxane	< 1.1	1.1		ug/m3	1	1/2/2021 2:45:00 PM
2,2,4-trimethylpentane	< 0.70	0.70		ug/m3	1	1/2/2021 2:45:00 PM
4-ethyltoluene	< 0.74	0.74		ug/m3	1	1/2/2021 2:45:00 PM
Acetone	28	7.1		ug/m3	10	1/2/2021 7:51:00 PM
Allyl chloride	< 0.47	0.47		ug/m3	1	1/2/2021 2:45:00 PM
Benzene	0.73	0.48		ug/m3	1	1/2/2021 2:45:00 PM
Benzyl chloride	< 0.86	0.86		ug/m3	1	1/2/2021 2:45:00 PM
Bromodichloromethane	< 1.0	1.0		ug/m3	1	1/2/2021 2:45:00 PM
Bromoform	< 1.6	1.6		ug/m3	1	1/2/2021 2:45:00 PM
Bromomethane	< 0.58	0.58		ug/m3	1	1/2/2021 2:45:00 PM
Carbon disulfide	< 0.47	0.47		ug/m3	1	1/2/2021 2:45:00 PM
Carbon tetrachloride	0.50	0.19		ug/m3	1	1/2/2021 2:45:00 PM
Chlorobenzene	< 0.69	0.69		ug/m3	1	1/2/2021 2:45:00 PM
Chloroethane	< 0.40	0.40		ug/m3	1	1/2/2021 2:45:00 PM
Chloroform	2.0	0.73		ug/m3	1	1/2/2021 2:45:00 PM
Chloromethane	< 0.31	0.31		ug/m3	1	1/2/2021 2:45:00 PM
cis-1,2-Dichloroethene	< 0.16	0.16		ug/m3	1	1/2/2021 2:45:00 PM
cis-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	1/2/2021 2:45:00 PM
Cyclohexane	< 0.52	0.52		ug/m3	1	1/2/2021 2:45:00 PM
Dibromochloromethane	< 1.3	1.3		ug/m3	1	1/2/2021 2:45:00 PM
Ethyl acetate	1.2	0.54		ug/m3	1	1/2/2021 2:45:00 PM
Ethylbenzene	0.48	0.65	J	ug/m3	1	1/2/2021 2:45:00 PM
Freon 11	1.3	0.84		ug/m3	1	1/2/2021 2:45:00 PM
Freon 113	< 1.1	1.1		ug/m3	1	1/2/2021 2:45:00 PM
Freon 114	< 1.0	1.0		ug/m3	1	1/2/2021 2:45:00 PM

Qualifiers:

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

Centek Laboratories, LLC

Date: *12-Jan-21*

CLIENT: LaBella Associates, P.C.
Client Sample ID: IA-02 (MS/MSD)
Lab Order: C2012057
Tag Number: 1201,509
Project: 113-117 N Clinton SVI Heating Season
Collection Date: 12/29/2020
Lab ID: C2012057-002A
Matrix: AIR

Analyses	Result	DL	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		**TO-15**				Analyst: RJP
Freon 12	2.2	0.74		ug/m3	1	1/2/2021 2:45:00 PM
Heptane	0.94	0.61		ug/m3	1	1/2/2021 2:45:00 PM
Hexachloro-1,3-butadiene	< 1.6	1.6		ug/m3	1	1/2/2021 2:45:00 PM
Hexane	0.74	0.53		ug/m3	1	1/2/2021 2:45:00 PM
Isopropyl alcohol	28	3.7		ug/m3	10	1/2/2021 7:51:00 PM
m&p-Xylene	1.6	1.3		ug/m3	1	1/2/2021 2:45:00 PM
Methyl Butyl Ketone	< 1.2	1.2		ug/m3	1	1/2/2021 2:45:00 PM
Methyl Ethyl Ketone	4.5	0.88		ug/m3	1	1/2/2021 2:45:00 PM
Methyl Isobutyl Ketone	0.70	1.2	J	ug/m3	1	1/2/2021 2:45:00 PM
Methyl tert-butyl ether	< 0.54	0.54		ug/m3	1	1/2/2021 2:45:00 PM
Methylene chloride	2.4	0.52		ug/m3	1	1/2/2021 2:45:00 PM
o-Xylene	0.61	0.65	J	ug/m3	1	1/2/2021 2:45:00 PM
Propylene	< 0.26	0.26		ug/m3	1	1/2/2021 2:45:00 PM
Styrene	0.89	0.64		ug/m3	1	1/2/2021 2:45:00 PM
Tetrachloroethylene	23	10		ug/m3	10	1/2/2021 7:51:00 PM
Tetrahydrofuran	1.4	0.44		ug/m3	1	1/2/2021 2:45:00 PM
Toluene	4.3	0.57		ug/m3	1	1/2/2021 2:45:00 PM
trans-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	1/2/2021 2:45:00 PM
trans-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	1/2/2021 2:45:00 PM
Trichloroethene	0.59	0.16		ug/m3	1	1/2/2021 2:45:00 PM
Vinyl acetate	< 0.53	0.53		ug/m3	1	1/2/2021 2:45:00 PM
Vinyl Bromide	< 0.66	0.66		ug/m3	1	1/2/2021 2:45:00 PM
Vinyl chloride	< 0.10	0.10		ug/m3	1	1/2/2021 2:45:00 PM

Qualifiers:

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

Centek Laboratories, LLC

Date: *12-Jan-21*

CLIENT: LaBella Associates, P.C.
Client Sample ID: OA-01
Lab Order: C2012057
Tag Number: 205,377
Project: 113-117 N Clinton SVI Heating Season
Collection Date: 12/29/2020
Lab ID: C2012057-003A
Matrix: AIR

Analyses	Result	DL	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		FLD				Analyst:
Lab Vacuum In	-1			"Hg		12/30/2020
Lab Vacuum Out	-30			"Hg		12/30/2020
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		TO-15				Analyst: RJP
1,1,1-Trichloroethane	< 0.15	0.15		ppbV	1	1/2/2021 5:40:00 PM
1,1,2,2-Tetrachloroethane	< 0.15	0.15		ppbV	1	1/2/2021 5:40:00 PM
1,1,2-Trichloroethane	< 0.15	0.15		ppbV	1	1/2/2021 5:40:00 PM
1,1-Dichloroethane	< 0.15	0.15		ppbV	1	1/2/2021 5:40:00 PM
1,1-Dichloroethene	< 0.040	0.040		ppbV	1	1/2/2021 5:40:00 PM
1,2,4-Trichlorobenzene	< 0.15	0.15		ppbV	1	1/2/2021 5:40:00 PM
1,2,4-Trimethylbenzene	< 0.15	0.15		ppbV	1	1/2/2021 5:40:00 PM
1,2-Dibromoethane	< 0.15	0.15		ppbV	1	1/2/2021 5:40:00 PM
1,2-Dichlorobenzene	< 0.15	0.15		ppbV	1	1/2/2021 5:40:00 PM
1,2-Dichloroethane	< 0.15	0.15		ppbV	1	1/2/2021 5:40:00 PM
1,2-Dichloropropane	< 0.15	0.15		ppbV	1	1/2/2021 5:40:00 PM
1,3,5-Trimethylbenzene	< 0.15	0.15		ppbV	1	1/2/2021 5:40:00 PM
1,3-butadiene	< 0.15	0.15		ppbV	1	1/2/2021 5:40:00 PM
1,3-Dichlorobenzene	< 0.15	0.15		ppbV	1	1/2/2021 5:40:00 PM
1,4-Dichlorobenzene	< 0.15	0.15		ppbV	1	1/2/2021 5:40:00 PM
1,4-Dioxane	< 0.30	0.30		ppbV	1	1/2/2021 5:40:00 PM
2,2,4-trimethylpentane	< 0.15	0.15		ppbV	1	1/2/2021 5:40:00 PM
4-ethyltoluene	< 0.15	0.15		ppbV	1	1/2/2021 5:40:00 PM
Acetone	4.4	3.0		ppbV	10	1/2/2021 8:35:00 PM
Allyl chloride	< 0.15	0.15		ppbV	1	1/2/2021 5:40:00 PM
Benzene	0.14	0.15	J	ppbV	1	1/2/2021 5:40:00 PM
Benzyl chloride	< 0.15	0.15		ppbV	1	1/2/2021 5:40:00 PM
Bromodichloromethane	< 0.15	0.15		ppbV	1	1/2/2021 5:40:00 PM
Bromoform	< 0.15	0.15		ppbV	1	1/2/2021 5:40:00 PM
Bromomethane	< 0.15	0.15		ppbV	1	1/2/2021 5:40:00 PM
Carbon disulfide	0.15	0.15		ppbV	1	1/2/2021 5:40:00 PM
Carbon tetrachloride	0.090	0.030		ppbV	1	1/2/2021 5:40:00 PM
Chlorobenzene	< 0.15	0.15		ppbV	1	1/2/2021 5:40:00 PM
Chloroethane	< 0.15	0.15		ppbV	1	1/2/2021 5:40:00 PM
Chloroform	< 0.15	0.15		ppbV	1	1/2/2021 5:40:00 PM
Chloromethane	0.43	0.15		ppbV	1	1/2/2021 5:40:00 PM
cis-1,2-Dichloroethene	< 0.040	0.040		ppbV	1	1/2/2021 5:40:00 PM
cis-1,3-Dichloropropene	< 0.15	0.15		ppbV	1	1/2/2021 5:40:00 PM
Cyclohexane	< 0.15	0.15		ppbV	1	1/2/2021 5:40:00 PM
Dibromochloromethane	< 0.15	0.15		ppbV	1	1/2/2021 5:40:00 PM
Ethyl acetate	< 0.15	0.15		ppbV	1	1/2/2021 5:40:00 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: *13-Jan-21*

CLIENT: LaBella Associates, P.C.
Client Sample ID: OA-01
Lab Order: C2012057
Tag Number: 205,377
Project: 113-117 N Clinton SVI Heating Season
Collection Date: 12/29/2020
Lab ID: C2012057-003A
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: **RJP**
Ethylbenzene	< 0.15	0.15		ppbV	1	1/2/2021 5:40:00 PM
Freon 11	0.21	0.15		ppbV	1	1/2/2021 5:40:00 PM
Freon 113	< 0.15	0.15		ppbV	1	1/2/2021 5:40:00 PM
Freon 114	< 0.15	0.15		ppbV	1	1/2/2021 5:40:00 PM
Freon 12	0.48	0.15		ppbV	1	1/2/2021 5:40:00 PM
Heptane	< 0.15	0.15		ppbV	1	1/2/2021 5:40:00 PM
Hexachloro-1,3-butadiene	< 0.15	0.15		ppbV	1	1/2/2021 5:40:00 PM
Hexane	< 0.15	0.15		ppbV	1	1/2/2021 5:40:00 PM
Isopropyl alcohol	1.6	0.15		ppbV	1	1/2/2021 5:40:00 PM
m&p-Xylene	< 0.30	0.30		ppbV	1	1/2/2021 5:40:00 PM
Methyl Butyl Ketone	< 0.30	0.30		ppbV	1	1/2/2021 5:40:00 PM
Methyl Ethyl Ketone	0.20	0.30	J	ppbV	1	1/2/2021 5:40:00 PM
Methyl Isobutyl Ketone	< 0.30	0.30		ppbV	1	1/2/2021 5:40:00 PM
Methyl tert-butyl ether	< 0.15	0.15		ppbV	1	1/2/2021 5:40:00 PM
Methylene chloride	0.15	0.15		ppbV	1	1/2/2021 5:40:00 PM
o-Xylene	< 0.15	0.15		ppbV	1	1/2/2021 5:40:00 PM
Propylene	< 0.15	0.15		ppbV	1	1/2/2021 5:40:00 PM
Styrene	< 0.15	0.15		ppbV	1	1/2/2021 5:40:00 PM
Tetrachloroethylene	< 0.15	0.15		ppbV	1	1/2/2021 5:40:00 PM
Tetrahydrofuran	< 0.15	0.15		ppbV	1	1/2/2021 5:40:00 PM
Toluene	0.11	0.15	J	ppbV	1	1/2/2021 5:40:00 PM
trans-1,2-Dichloroethene	< 0.15	0.15		ppbV	1	1/2/2021 5:40:00 PM
trans-1,3-Dichloropropene	< 0.15	0.15		ppbV	1	1/2/2021 5:40:00 PM
Trichloroethene	< 0.030	0.030		ppbV	1	1/2/2021 5:40:00 PM
Vinyl acetate	< 0.15	0.15		ppbV	1	1/2/2021 5:40:00 PM
Vinyl Bromide	< 0.15	0.15		ppbV	1	1/2/2021 5:40:00 PM
Vinyl chloride	< 0.040	0.040		ppbV	1	1/2/2021 5:40:00 PM
Surr: Bromofluorobenzene	100	47-124		%REC	1	1/2/2021 5:40:00 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: *12-Jan-21*

CLIENT: LaBella Associates, P.C.
Client Sample ID: OA-01
Lab Order: C2012057
Tag Number: 205,377
Project: 113-117 N Clinton SVI Heating Season
Collection Date: 12/29/2020
Lab ID: C2012057-003A
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: **RJP**
1,1,1-Trichloroethane	< 0.82	0.82		ug/m3	1	1/2/2021 5:40:00 PM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		ug/m3	1	1/2/2021 5:40:00 PM
1,1,2-Trichloroethane	< 0.82	0.82		ug/m3	1	1/2/2021 5:40:00 PM
1,1-Dichloroethane	< 0.61	0.61		ug/m3	1	1/2/2021 5:40:00 PM
1,1-Dichloroethene	< 0.16	0.16		ug/m3	1	1/2/2021 5:40:00 PM
1,2,4-Trichlorobenzene	< 1.1	1.1		ug/m3	1	1/2/2021 5:40:00 PM
1,2,4-Trimethylbenzene	< 0.74	0.74		ug/m3	1	1/2/2021 5:40:00 PM
1,2-Dibromoethane	< 1.2	1.2		ug/m3	1	1/2/2021 5:40:00 PM
1,2-Dichlorobenzene	< 0.90	0.90		ug/m3	1	1/2/2021 5:40:00 PM
1,2-Dichloroethane	< 0.61	0.61		ug/m3	1	1/2/2021 5:40:00 PM
1,2-Dichloropropane	< 0.69	0.69		ug/m3	1	1/2/2021 5:40:00 PM
1,3,5-Trimethylbenzene	< 0.74	0.74		ug/m3	1	1/2/2021 5:40:00 PM
1,3-butadiene	< 0.33	0.33		ug/m3	1	1/2/2021 5:40:00 PM
1,3-Dichlorobenzene	< 0.90	0.90		ug/m3	1	1/2/2021 5:40:00 PM
1,4-Dichlorobenzene	< 0.90	0.90		ug/m3	1	1/2/2021 5:40:00 PM
1,4-Dioxane	< 1.1	1.1		ug/m3	1	1/2/2021 5:40:00 PM
2,2,4-trimethylpentane	< 0.70	0.70		ug/m3	1	1/2/2021 5:40:00 PM
4-ethyltoluene	< 0.74	0.74		ug/m3	1	1/2/2021 5:40:00 PM
Acetone	10	7.1		ug/m3	10	1/2/2021 8:35:00 PM
Allyl chloride	< 0.47	0.47		ug/m3	1	1/2/2021 5:40:00 PM
Benzene	0.45	0.48	J	ug/m3	1	1/2/2021 5:40:00 PM
Benzyl chloride	< 0.86	0.86		ug/m3	1	1/2/2021 5:40:00 PM
Bromodichloromethane	< 1.0	1.0		ug/m3	1	1/2/2021 5:40:00 PM
Bromoform	< 1.6	1.6		ug/m3	1	1/2/2021 5:40:00 PM
Bromomethane	< 0.58	0.58		ug/m3	1	1/2/2021 5:40:00 PM
Carbon disulfide	0.47	0.47		ug/m3	1	1/2/2021 5:40:00 PM
Carbon tetrachloride	0.57	0.19		ug/m3	1	1/2/2021 5:40:00 PM
Chlorobenzene	< 0.69	0.69		ug/m3	1	1/2/2021 5:40:00 PM
Chloroethane	< 0.40	0.40		ug/m3	1	1/2/2021 5:40:00 PM
Chloroform	< 0.73	0.73		ug/m3	1	1/2/2021 5:40:00 PM
Chloromethane	0.89	0.31		ug/m3	1	1/2/2021 5:40:00 PM
cis-1,2-Dichloroethene	< 0.16	0.16		ug/m3	1	1/2/2021 5:40:00 PM
cis-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	1/2/2021 5:40:00 PM
Cyclohexane	< 0.52	0.52		ug/m3	1	1/2/2021 5:40:00 PM
Dibromochloromethane	< 1.3	1.3		ug/m3	1	1/2/2021 5:40:00 PM
Ethyl acetate	< 0.54	0.54		ug/m3	1	1/2/2021 5:40:00 PM
Ethylbenzene	< 0.65	0.65		ug/m3	1	1/2/2021 5:40:00 PM
Freon 11	1.2	0.84		ug/m3	1	1/2/2021 5:40:00 PM
Freon 113	< 1.1	1.1		ug/m3	1	1/2/2021 5:40:00 PM
Freon 114	< 1.0	1.0		ug/m3	1	1/2/2021 5:40:00 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: *12-Jan-21*

CLIENT:	LaBella Associates, P.C.	**Client Sample ID:**	OA-01
Lab Order:	C2012057	**Tag Number:**	205,377
Project:	113-117 N Clinton SVI Heating Season	**Collection Date:**	12/29/2020
Lab ID:	C2012057-003A	**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: **RJP**
Freon 12	2.4	0.74		ug/m3	1	1/2/2021 5:40:00 PM
Heptane	< 0.61	0.61		ug/m3	1	1/2/2021 5:40:00 PM
Hexachloro-1,3-butadiene	< 1.6	1.6		ug/m3	1	1/2/2021 5:40:00 PM
Hexane	< 0.53	0.53		ug/m3	1	1/2/2021 5:40:00 PM
Isopropyl alcohol	3.9	0.37		ug/m3	1	1/2/2021 5:40:00 PM
m&p-Xylene	< 1.3	1.3		ug/m3	1	1/2/2021 5:40:00 PM
Methyl Butyl Ketone	< 1.2	1.2		ug/m3	1	1/2/2021 5:40:00 PM
Methyl Ethyl Ketone	0.59	0.88	J	ug/m3	1	1/2/2021 5:40:00 PM
Methyl Isobutyl Ketone	< 1.2	1.2		ug/m3	1	1/2/2021 5:40:00 PM
Methyl tert-butyl ether	< 0.54	0.54		ug/m3	1	1/2/2021 5:40:00 PM
Methylene chloride	0.52	0.52		ug/m3	1	1/2/2021 5:40:00 PM
o-Xylene	< 0.65	0.65		ug/m3	1	1/2/2021 5:40:00 PM
Propylene	< 0.26	0.26		ug/m3	1	1/2/2021 5:40:00 PM
Styrene	< 0.64	0.64		ug/m3	1	1/2/2021 5:40:00 PM
Tetrachloroethylene	< 1.0	1.0		ug/m3	1	1/2/2021 5:40:00 PM
Tetrahydrofuran	< 0.44	0.44		ug/m3	1	1/2/2021 5:40:00 PM
Toluene	0.41	0.57	J	ug/m3	1	1/2/2021 5:40:00 PM
trans-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	1/2/2021 5:40:00 PM
trans-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	1/2/2021 5:40:00 PM
Trichloroethene	< 0.16	0.16		ug/m3	1	1/2/2021 5:40:00 PM
Vinyl acetate	< 0.53	0.53		ug/m3	1	1/2/2021 5:40:00 PM
Vinyl Bromide	< 0.66	0.66		ug/m3	1	1/2/2021 5:40:00 PM
Vinyl chloride	< 0.10	0.10		ug/m3	1	1/2/2021 5:40:00 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: *12-Jan-21*

CLIENT:	LaBella Associates, P.C.	**Client Sample ID:**	Duplicate
Lab Order:	C2012057	**Tag Number:**	328,385
Project:	113-117 N Clinton SVI Heating Season	**Collection Date:**	12/29/2020
Lab ID:	C2012057-004A	**Matrix:**	AIR

Analyses	Result	DL	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		FLD				Analyst:
Lab Vacuum In	-3			"Hg		12/30/2020
Lab Vacuum Out	-30			"Hg		12/30/2020
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		TO-15				Analyst: RJP
1,1,1-Trichloroethane	< 0.15	0.15		ppbV	1	1/2/2021 6:24:00 PM
1,1,2,2-Tetrachloroethane	< 0.15	0.15		ppbV	1	1/2/2021 6:24:00 PM
1,1,2-Trichloroethane	< 0.15	0.15		ppbV	1	1/2/2021 6:24:00 PM
1,1-Dichloroethane	< 0.15	0.15		ppbV	1	1/2/2021 6:24:00 PM
1,1-Dichloroethene	< 0.040	0.040		ppbV	1	1/2/2021 6:24:00 PM
1,2,4-Trichlorobenzene	< 0.15	0.15		ppbV	1	1/2/2021 6:24:00 PM
1,2,4-Trimethylbenzene	0.24	0.15		ppbV	1	1/2/2021 6:24:00 PM
1,2-Dibromoethane	< 0.15	0.15		ppbV	1	1/2/2021 6:24:00 PM
1,2-Dichlorobenzene	< 0.15	0.15		ppbV	1	1/2/2021 6:24:00 PM
1,2-Dichloroethane	< 0.15	0.15		ppbV	1	1/2/2021 6:24:00 PM
1,2-Dichloropropane	< 0.15	0.15		ppbV	1	1/2/2021 6:24:00 PM
1,3,5-Trimethylbenzene	0.35	0.15		ppbV	1	1/2/2021 6:24:00 PM
1,3-butadiene	< 0.15	0.15		ppbV	1	1/2/2021 6:24:00 PM
1,3-Dichlorobenzene	< 0.15	0.15		ppbV	1	1/2/2021 6:24:00 PM
1,4-Dichlorobenzene	< 0.15	0.15		ppbV	1	1/2/2021 6:24:00 PM
1,4-Dioxane	< 0.30	0.30		ppbV	1	1/2/2021 6:24:00 PM
2,2,4-trimethylpentane	< 0.15	0.15		ppbV	1	1/2/2021 6:24:00 PM
4-ethyltoluene	< 0.15	0.15		ppbV	1	1/2/2021 6:24:00 PM
Acetone	12	3.0		ppbV	10	1/2/2021 9:18:00 PM
Allyl chloride	< 0.15	0.15		ppbV	1	1/2/2021 6:24:00 PM
Benzene	0.25	0.15		ppbV	1	1/2/2021 6:24:00 PM
Benzyl chloride	< 0.15	0.15		ppbV	1	1/2/2021 6:24:00 PM
Bromodichloromethane	< 0.15	0.15		ppbV	1	1/2/2021 6:24:00 PM
Bromoform	< 0.15	0.15		ppbV	1	1/2/2021 6:24:00 PM
Bromomethane	< 0.15	0.15		ppbV	1	1/2/2021 6:24:00 PM
Carbon disulfide	< 0.15	0.15		ppbV	1	1/2/2021 6:24:00 PM
Carbon tetrachloride	0.090	0.030		ppbV	1	1/2/2021 6:24:00 PM
Chlorobenzene	< 0.15	0.15		ppbV	1	1/2/2021 6:24:00 PM
Chloroethane	< 0.15	0.15		ppbV	1	1/2/2021 6:24:00 PM
Chloroform	0.41	0.15		ppbV	1	1/2/2021 6:24:00 PM
Chloromethane	< 0.15	0.15		ppbV	1	1/2/2021 6:24:00 PM
cis-1,2-Dichloroethene	< 0.040	0.040		ppbV	1	1/2/2021 6:24:00 PM
cis-1,3-Dichloropropene	< 0.15	0.15		ppbV	1	1/2/2021 6:24:00 PM
Cyclohexane	< 0.15	0.15		ppbV	1	1/2/2021 6:24:00 PM
Dibromochloromethane	< 0.15	0.15		ppbV	1	1/2/2021 6:24:00 PM
Ethyl acetate	0.35	0.15		ppbV	1	1/2/2021 6:24:00 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: *12-Jan-21*

CLIENT:	LaBella Associates, P.C.	**Client Sample ID:**	Duplicate
Lab Order:	C2012057	**Tag Number:**	328,385
Project:	113-117 N Clinton SVI Heating Season	**Collection Date:**	12/29/2020
Lab ID:	C2012057-004A	**Matrix:**	AIR

Analyses	Result	DL	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		**TO-15**				Analyst: **RJP**
Ethylbenzene	0.11	0.15	J	ppbV	1	1/2/2021 6:24:00 PM
Freon 11	0.25	0.15		ppbV	1	1/2/2021 6:24:00 PM
Freon 113	< 0.15	0.15		ppbV	1	1/2/2021 6:24:00 PM
Freon 114	< 0.15	0.15		ppbV	1	1/2/2021 6:24:00 PM
Freon 12	0.49	0.15		ppbV	1	1/2/2021 6:24:00 PM
Heptane	0.25	0.15		ppbV	1	1/2/2021 6:24:00 PM
Hexachloro-1,3-butadiene	< 0.15	0.15		ppbV	1	1/2/2021 6:24:00 PM
Hexane	0.23	0.15		ppbV	1	1/2/2021 6:24:00 PM
Isopropyl alcohol	8.1	1.5		ppbV	10	1/2/2021 9:18:00 PM
m&p-Xylene	0.38	0.30		ppbV	1	1/2/2021 6:24:00 PM
Methyl Butyl Ketone	< 0.30	0.30		ppbV	1	1/2/2021 6:24:00 PM
Methyl Ethyl Ketone	1.7	0.30		ppbV	1	1/2/2021 6:24:00 PM
Methyl Isobutyl Ketone	< 0.30	0.30		ppbV	1	1/2/2021 6:24:00 PM
Methyl tert-butyl ether	< 0.15	0.15		ppbV	1	1/2/2021 6:24:00 PM
Methylene chloride	0.73	0.15		ppbV	1	1/2/2021 6:24:00 PM
o-Xylene	0.14	0.15	J	ppbV	1	1/2/2021 6:24:00 PM
Propylene	< 0.15	0.15		ppbV	1	1/2/2021 6:24:00 PM
Styrene	0.21	0.15		ppbV	1	1/2/2021 6:24:00 PM
Tetrachloroethylene	3.5	1.5		ppbV	10	1/2/2021 9:18:00 PM
Tetrahydrofuran	0.44	0.15		ppbV	1	1/2/2021 6:24:00 PM
Toluene	1.1	0.15		ppbV	1	1/2/2021 6:24:00 PM
trans-1,2-Dichloroethene	< 0.15	0.15		ppbV	1	1/2/2021 6:24:00 PM
trans-1,3-Dichloropropene	< 0.15	0.15		ppbV	1	1/2/2021 6:24:00 PM
Trichloroethene	0.13	0.030		ppbV	1	1/2/2021 6:24:00 PM
Vinyl acetate	< 0.15	0.15		ppbV	1	1/2/2021 6:24:00 PM
Vinyl Bromide	< 0.15	0.15		ppbV	1	1/2/2021 6:24:00 PM
Vinyl chloride	< 0.040	0.040		ppbV	1	1/2/2021 6:24:00 PM
Surr: Bromofluorobenzene	100	47-124		%REC	1	1/2/2021 6:24:00 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: *12-Jan-21*

CLIENT:	LaBella Associates, P.C.	**Client Sample ID:**	Duplicate
Lab Order:	C2012057	**Tag Number:**	328,385
Project:	113-117 N Clinton SVI Heating Season	**Collection Date:**	12/29/2020
Lab ID:	C2012057-004A	**Matrix:**	AIR

Analyses	Result	DL	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	< 0.82	0.82		ug/m3	1	1/2/2021 6:24:00 PM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		ug/m3	1	1/2/2021 6:24:00 PM
1,1,2-Trichloroethane	< 0.82	0.82		ug/m3	1	1/2/2021 6:24:00 PM
1,1-Dichloroethane	< 0.61	0.61		ug/m3	1	1/2/2021 6:24:00 PM
1,1-Dichloroethene	< 0.16	0.16		ug/m3	1	1/2/2021 6:24:00 PM
1,2,4-Trichlorobenzene	< 1.1	1.1		ug/m3	1	1/2/2021 6:24:00 PM
1,2,4-Trimethylbenzene	1.2	0.74		ug/m3	1	1/2/2021 6:24:00 PM
1,2-Dibromoethane	< 1.2	1.2		ug/m3	1	1/2/2021 6:24:00 PM
1,2-Dichlorobenzene	< 0.90	0.90		ug/m3	1	1/2/2021 6:24:00 PM
1,2-Dichloroethane	< 0.61	0.61		ug/m3	1	1/2/2021 6:24:00 PM
1,2-Dichloropropane	< 0.69	0.69		ug/m3	1	1/2/2021 6:24:00 PM
1,3,5-Trimethylbenzene	1.7	0.74		ug/m3	1	1/2/2021 6:24:00 PM
1,3-butadiene	< 0.33	0.33		ug/m3	1	1/2/2021 6:24:00 PM
1,3-Dichlorobenzene	< 0.90	0.90		ug/m3	1	1/2/2021 6:24:00 PM
1,4-Dichlorobenzene	< 0.90	0.90		ug/m3	1	1/2/2021 6:24:00 PM
1,4-Dioxane	< 1.1	1.1		ug/m3	1	1/2/2021 6:24:00 PM
2,2,4-trimethylpentane	< 0.70	0.70		ug/m3	1	1/2/2021 6:24:00 PM
4-ethyltoluene	< 0.74	0.74		ug/m3	1	1/2/2021 6:24:00 PM
Acetone	28	7.1		ug/m3	10	1/2/2021 9:18:00 PM
Allyl chloride	< 0.47	0.47		ug/m3	1	1/2/2021 6:24:00 PM
Benzene	0.80	0.48		ug/m3	1	1/2/2021 6:24:00 PM
Benzyl chloride	< 0.86	0.86		ug/m3	1	1/2/2021 6:24:00 PM
Bromodichloromethane	< 1.0	1.0		ug/m3	1	1/2/2021 6:24:00 PM
Bromoform	< 1.6	1.6		ug/m3	1	1/2/2021 6:24:00 PM
Bromomethane	< 0.58	0.58		ug/m3	1	1/2/2021 6:24:00 PM
Carbon disulfide	< 0.47	0.47		ug/m3	1	1/2/2021 6:24:00 PM
Carbon tetrachloride	0.57	0.19		ug/m3	1	1/2/2021 6:24:00 PM
Chlorobenzene	< 0.69	0.69		ug/m3	1	1/2/2021 6:24:00 PM
Chloroethane	< 0.40	0.40		ug/m3	1	1/2/2021 6:24:00 PM
Chloroform	2.0	0.73		ug/m3	1	1/2/2021 6:24:00 PM
Chloromethane	< 0.31	0.31		ug/m3	1	1/2/2021 6:24:00 PM
cis-1,2-Dichloroethene	< 0.16	0.16		ug/m3	1	1/2/2021 6:24:00 PM
cis-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	1/2/2021 6:24:00 PM
Cyclohexane	< 0.52	0.52		ug/m3	1	1/2/2021 6:24:00 PM
Dibromochloromethane	< 1.3	1.3		ug/m3	1	1/2/2021 6:24:00 PM
Ethyl acetate	1.3	0.54		ug/m3	1	1/2/2021 6:24:00 PM
Ethylbenzene	0.48	0.65	J	ug/m3	1	1/2/2021 6:24:00 PM
Freon 11	1.4	0.84		ug/m3	1	1/2/2021 6:24:00 PM
Freon 113	< 1.1	1.1		ug/m3	1	1/2/2021 6:24:00 PM
Freon 114	< 1.0	1.0		ug/m3	1	1/2/2021 6:24:00 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: *12-Jan-21*

CLIENT:	LaBella Associates, P.C.	**Client Sample ID:**	Duplicate
Lab Order:	C2012057	**Tag Number:**	328,385
Project:	113-117 N Clinton SVI Heating Season	**Collection Date:**	12/29/2020
Lab ID:	C2012057-004A	**Matrix:**	AIR

Analyses	Result	DL	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		**TO-15**				Analyst: **RJP**
Freon 12	2.4	0.74		ug/m3	1	1/2/2021 6:24:00 PM
Heptane	1.0	0.61		ug/m3	1	1/2/2021 6:24:00 PM
Hexachloro-1,3-butadiene	< 1.6	1.6		ug/m3	1	1/2/2021 6:24:00 PM
Hexane	0.81	0.53		ug/m3	1	1/2/2021 6:24:00 PM
Isopropyl alcohol	20	3.7		ug/m3	10	1/2/2021 9:18:00 PM
m&p-Xylene	1.6	1.3		ug/m3	1	1/2/2021 6:24:00 PM
Methyl Butyl Ketone	< 1.2	1.2		ug/m3	1	1/2/2021 6:24:00 PM
Methyl Ethyl Ketone	4.9	0.88		ug/m3	1	1/2/2021 6:24:00 PM
Methyl Isobutyl Ketone	< 1.2	1.2		ug/m3	1	1/2/2021 6:24:00 PM
Methyl tert-butyl ether	< 0.54	0.54		ug/m3	1	1/2/2021 6:24:00 PM
Methylene chloride	2.5	0.52		ug/m3	1	1/2/2021 6:24:00 PM
o-Xylene	0.61	0.65	J	ug/m3	1	1/2/2021 6:24:00 PM
Propylene	< 0.26	0.26		ug/m3	1	1/2/2021 6:24:00 PM
Styrene	0.89	0.64		ug/m3	1	1/2/2021 6:24:00 PM
Tetrachloroethylene	24	10		ug/m3	10	1/2/2021 9:18:00 PM
Tetrahydrofuran	1.3	0.44		ug/m3	1	1/2/2021 6:24:00 PM
Toluene	4.1	0.57		ug/m3	1	1/2/2021 6:24:00 PM
trans-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	1/2/2021 6:24:00 PM
trans-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	1/2/2021 6:24:00 PM
Trichloroethene	0.70	0.16		ug/m3	1	1/2/2021 6:24:00 PM
Vinyl acetate	< 0.53	0.53		ug/m3	1	1/2/2021 6:24:00 PM
Vinyl Bromide	< 0.66	0.66		ug/m3	1	1/2/2021 6:24:00 PM
Vinyl chloride	< 0.10	0.10		ug/m3	1	1/2/2021 6:24:00 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

Centek Laboratories, LLC
GC/MS QA-QC Check Report

Tune File : C:\HPCHEM\1\DATA\AS010202.D
Tune Time : 2 Jan 2021 11:52 am

Daily Calibration File : C:\HPCHEM\1\DATA\AS010202.D

			(BFB)	(IS1)	(IS2)	(IS3)
				61728	309652	275832
File	Sample	DL	Surrogate Recovery %	Internal Standard Responses		
AS010203.D	ALCS1UG-010220		100	59268	304550	271060
AS010204.D	AMB1UG-010220		97	60370	305757	268408
AS010205.D	C2012057-001A		98	58368	297511	265369
AS010206.D	C2012057-002A		98	58605	292859	259359
AS010207.D	C2012057-002A	MS	101	59543	301562	267945
AS010208.D	C2012057-002A	MSD	101	59273	301390	270945
AS010209.D	C2012057-003A		100	55660	281241	251290
AS010210.D	C2012057-004A		100	54643	281164	253731
AS010211.D	C2012057-001A	10X	97	54360	270146	241660
AS010212.D	C2012057-002A	10X	98	51288	261962	233860
AS010213.D	C2012057-003A	10X	97	51805	264717	240499
AS010214.D	C2012057-004A	10X	100	51644	262314	235967

t - fails 24hr time check * - fails criteria

Created: Tue Jan 12 09:50:23 2021 MSD #1/

CENTEK LABORATORIES, LLC

Date: *12-Jan-21*

ANALYTICAL QC SUMMARY REPORT

CLIENT: LaBella Associates, P.C.
Work Order: C2012057
Project: 113-117 N Clinton SVI Heating Season

TestCode: 0.20_NYS

Sample ID: **ALCS1UG-010220** SampType: **LCS** TestCode: **0.20_NYS** Units: **ppbV** Prep Date: RunNo: **17128**
Client ID: **ZZZZZ** Batch ID: **R17128** TestNo: **TO-15** Analysis Date: **1/2/2021** SeqNo: **194599**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	1.010	0.15	1	0	101	91.3	127				
1,1,2,2-Tetrachloroethane	1.050	0.15	1	0	105	78.7	121				
1,1,2-Trichloroethane	1.010	0.15	1	0	101	88.1	136				
1,1-Dichloroethane	1.040	0.15	1	0	104	86.1	123				
1,1-Dichloroethene	1.000	0.040	1	0	100	70	94				S
1,2,4-Trichlorobenzene	1.050	0.15	1	0	105	76.7	112				
1,2,4-Trimethylbenzene	1.020	0.15	1	0	102	74.3	123				
1,2-Dibromoethane	1.050	0.15	1	0	105	80.4	125				
1,2-Dichlorobenzene	1.060	0.15	1	0	106	79.5	143				
1,2-Dichloroethane	1.050	0.15	1	0	105	70.9	133				
1,2-Dichloropropane	1.030	0.15	1	0	103	91	134				
1,3,5-Trimethylbenzene	1.040	0.15	1	0	104	77.4	138				
1,3-butadiene	0.9600	0.15	1	0	96.0	71	144				
1,3-Dichlorobenzene	1.050	0.15	1	0	105	84.7	128				
1,4-Dichlorobenzene	1.060	0.15	1	0	106	77.9	131				
1,4-Dioxane	1.010	0.30	1	0	101	85.1	135				
2,2,4-trimethylpentane	1.030	0.15	1	0	103	86.9	126				
4-ethyltoluene	1.050	0.15	1	0	105	77.5	133				
Acetone	0.9800	0.30	1	0	98.0	80.2	145				
Allyl chloride	1.000	0.15	1	0	100	86.6	117				
Benzene	1.030	0.15	1	0	103	88.9	122				
Benzyl chloride	1.010	0.15	1	0	101	73.6	120				
Bromodichloromethane	1.020	0.15	1	0	102	84.3	133				
Bromoform	0.9500	0.15	1	0	95.0	44.6	149				
Bromomethane	1.070	0.15	1	0	107	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: C2012057
Project: 113-117 N Clinton SVI Heating Season **TestCode: 0.20_NYS**

Sample ID: ALCS1UG-010220	SampType: LCS	TestCode: 0.20_NYS	Units: ppbV	Prep Date:	RunNo: 17128
Client ID: ZZZZZ	Batch ID: R17128	TestNo: TO-15		Analysis Date: 1/2/2021	SeqNo: 194599

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Carbon disulfide	0.9600	0.15	1	0	96.0	76.9	109				
Carbon tetrachloride	1.020	0.030	1	0	102	71	120				
Chlorobenzene	1.050	0.15	1	0	105	82.6	121				
Chloroethane	1.060	0.15	1	0	106	67.1	146				
Chloroform	1.030	0.15	1	0	103	82.5	125				
Chloromethane	1.060	0.15	1	0	106	71.1	154				
cis-1,2-Dichloroethene	1.030	0.040	1	0	103	71.2	112				
cis-1,3-Dichloropropene	1.010	0.15	1	0	101	90.3	137				
Cyclohexane	1.040	0.15	1	0	104	87	122				
Dibromochloromethane	1.010	0.15	1	0	101	62.8	132				
Ethyl acetate	1.020	0.15	1	0	102	86.9	134				
Ethylbenzene	1.050	0.15	1	0	105	76.9	123				
Freon 11	1.090	0.15	1	0	109	54.4	150				
Freon 113	1.040	0.15	1	0	104	83.4	124				
Freon 114	1.080	0.15	1	0	108	82.4	144				
Freon 12	1.100	0.15	1	0	110	86.3	135				
Heptane	1.020	0.15	1	0	102	86.5	137				
Hexachloro-1,3-butadiene	1.050	0.15	1	0	105	78.7	120				
Hexane	1.030	0.15	1	0	103	77.3	128				
Isopropyl alcohol	1.010	0.15	1	0	101	80.2	122				
m&p-Xylene	2.100	0.30	2	0	105	77.9	132				
Methyl Butyl Ketone	1.070	0.30	1	0	107	69.4	131				
Methyl Ethyl Ketone	1.020	0.30	1	0	102	71.5	117				
Methyl Isobutyl Ketone	1.060	0.30	1	0	106	63.5	141				
Methyl tert-butyl ether	1.030	0.15	1	0	103	80.8	113				
Methylene chloride	1.020	0.15	1	0	102	87.8	123				
o-Xylene	1.040	0.15	1	0	104	80.5	139				
Propylene	1.000	0.15	1	0	100	96.2	135				
Styrene	1.040	0.15	1	0	104	82.7	138				
Tetrachloroethylene	1.040	0.15	1	0	104	85.9	122				
Tetrahydrofuran	1.060	0.15	1	0	106	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

Centek Laboratories, LLC

CLIENT: LaBella Associates, P.C.
Work Order: C2012057
Project: 113-117 N Clinton SVI Heating Season **TestCode: 0.20_NYS**

Sample ID: ALCS1UG-010220	SampType: LCS	TestCode: 0.20_NYS	Units: ppbV	Prep Date:	RunNo: 17128
Client ID: ZZZZZ	Batch ID: R17128	TestNo: TO-15		Analysis Date: 1/2/2021	SeqNo: 194599

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	1.030	0.15	1	0	103	77.8	127				
trans-1,2-Dichloroethene	1.030	0.15	1	0	103	83.3	116				
trans-1,3-Dichloropropene	1.010	0.15	1	0	101	84.8	134				
Trichloroethene	1.020	0.030	1	0	102	79.3	117				
Vinyl acetate	1.010	0.15	1	0	101	70.5	101				
Vinyl Bromide	1.040	0.15	1	0	104	81.4	142				
Vinyl chloride	1.040	0.040	1	0	104	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		

Centek Laboratories, LLC

CENTEK LABORATORIES, LLC

Date: *12-Jan-21*

ANALYTICAL QC SUMMARY REPORT

CLIENT: LaBella Associates, P.C.
Work Order: C2012057
Project: 113-117 N Clinton SVI Heating Season

TestCode: 0.20_NYS

Sample ID: **AMB1UG-010220** SampType: **MBLK** TestCode: **0.20_NYS** Units: **ppbV** Prep Date: RunNo: **17128**
Client ID: **ZZZZZ** Batch ID: **R17128** TestNo: **TO-15** Analysis Date: **1/2/2021** SeqNo: **194598**

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: C2012057
Project: 113-117 N Clinton SVI Heating Season **TestCode: 0.20_NYS**

Sample ID: **AMB1UG-010220** SampType: **MBLK** TestCode: **0.20_NYS** Units: **ppbV** Prep Date: RunNo: **17128**
Client ID: **ZZZZZ** Batch ID: **R17128** TestNo: **TO-15** Analysis Date: **1/2/2021** SeqNo: **194598**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Carbon disulfide	< 0.15	0.15									
Carbon tetrachloride	< 0.030	0.030									
Chlorobenzene	< 0.15	0.15									
Chloroethane	< 0.15	0.15									
Chloroform	< 0.15	0.15									
Chloromethane	< 0.15	0.15									
cis-1,2-Dichloroethene	< 0.040	0.040									
cis-1,3-Dichloropropene	< 0.15	0.15									
Cyclohexane	< 0.15	0.15									
Dibromochloromethane	< 0.15	0.15									
Ethyl acetate	< 0.15	0.15									
Ethylbenzene	< 0.15	0.15									
Freon 11	< 0.15	0.15									
Freon 113	< 0.15	0.15									
Freon 114	< 0.15	0.15									
Freon 12	< 0.15	0.15									
Heptane	< 0.15	0.15									
Hexachloro-1,3-butadiene	< 0.15	0.15									
Hexane	< 0.15	0.15									
Isopropyl alcohol	< 0.15	0.15									
m&p-Xylene	< 0.30	0.30									
Methyl Butyl Ketone	< 0.30	0.30									
Methyl Ethyl Ketone	< 0.30	0.30									
Methyl Isobutyl Ketone	< 0.30	0.30									
Methyl tert-butyl ether	< 0.15	0.15									
Methylene chloride	< 0.15	0.15									
o-Xylene	< 0.15	0.15									
Propylene	< 0.15	0.15									
Styrene	< 0.15	0.15									
Tetrachloroethylene	< 0.15	0.15									
Tetrahydrofuran	< 0.15	0.15									

Qualifiers:
. 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

Centek Laboratories, LLC

CLIENT: LaBella Associates, P.C.
Work Order: C2012057
Project: 113-117 N Clinton SVI Heating Season **TestCode: 0.20_NYS**

Sample ID: **AMB1UG-010220** SampType: **MBLK** TestCode: **0.20_NYS** Units: **ppbV** Prep Date: RunNo: **17128**
Client ID: **ZZZZZ** Batch ID: **R17128** TestNo: **TO-15** Analysis Date: **1/2/2021** SeqNo: **194598**

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									

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

Centek Laboratories, LLC

ANALYTICAL QC SUMMARY REPORT

CLIENT: LaBella Associates, P.C.
Work Order: C2012057
Project: 113-117 N Clinton SVI Heating Season

TestCode: 0.20_NYS

Sample ID: **C2012057-002A MS** SampType: **MS** TestCode: **0.20_NYS** Units: **ppbV** Prep Date: RunNo: **17128**
Client ID: **IA-02 (MS/MSD)** Batch ID: **R17128** TestNo: **TO-15** Analysis Date: **1/2/2021** SeqNo: **194604**

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	1.050	0.15	1	0	105	82.3	101				S
1,1,2-Trichloroethane	1.000	0.15	1	0	100	61	128				
1,1-Dichloroethane	1.030	0.15	1	0	103	76.5	118				
1,1-Dichloroethene	0.9700	0.040	1	0	97.0	45.8	128				
1,2,4-Trichlorobenzene	1.350	0.15	1	0	135	70	130				S
1,2,4-Trimethylbenzene	1.220	0.15	1	0.21	101	81.5	155				
1,2-Dibromoethane	1.060	0.15	1	0	106	78.7	107				
1,2-Dichlorobenzene	0.6800	0.15	1	0	68.0	57.2	175				
1,2-Dichloroethane	1.060	0.15	1	0	106	65.1	130				
1,2-Dichloropropane	1.030	0.15	1	0	103	69.9	116				
1,3,5-Trimethylbenzene	1.310	0.15	1	0.32	99.0	67.6	139				
1,3-butadiene	23.07	0.15	1	0	2310	70	130				S
1,3-Dichlorobenzene	1.050	0.15	1	0	105	89.1	122				
1,4-Dichlorobenzene	1.110	0.15	1	0	111	86.8	114				
1,4-Dioxane	1.040	0.30	1	0	104	75.1	114				
2,2,4-trimethylpentane	1.090	0.15	1	0	109	84.2	113				
4-ethyltoluene	1.190	0.15	1	0	119	70	130				
Acetone	10.81	0.30	1	9.96	85.0	70	130				
Allyl chloride	1.010	0.15	1	0	101	70	130				
Benzene	1.260	0.15	1	0.23	103	72.7	133				
Benzyl chloride	1.050	0.15	1	0	105	72.5	129				
Bromodichloromethane	1.040	0.15	1	0	104	69.4	112				
Bromoform	0.9200	0.15	1	0	92.0	42.5	110				
Bromomethane	1.040	0.15	1	0	104	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

Centek Laboratories, LLC

CLIENT: LaBella Associates, P.C.
Work Order: C2012057
Project: 113-117 N Clinton SVI Heating Season

TestCode: 0.20_NYS

Sample ID: **C2012057-002A MS** SampType: **MS** TestCode: **0.20_NYS** Units: **ppbV** Prep Date: RunNo: **17128**
Client ID: **IA-02 (MS/MSD)** Batch ID: **R17128** TestNo: **TO-15** Analysis Date: **1/2/2021** SeqNo: **194604**

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	1.090	0.030	1	0.08	101	61	107				
Chlorobenzene	1.030	0.15	1	0	103	76.1	111				
Chloroethane	1.070	0.15	1	0	107	62.6	119				
Chloroform	1.400	0.15	1	0.4	100	6.54	173				
Chloromethane	1.640	0.15	1	0	164	54.4	125				S
cis-1,2-Dichloroethene	1.030	0.040	1	0	103	60.1	121				
cis-1,3-Dichloropropene	1.020	0.15	1	0	102	60.8	122				
Cyclohexane	1.060	0.15	1	0	106	59.4	148				
Dibromochloromethane	1.000	0.15	1	0	100	71.6	102				
Ethyl acetate	1.330	0.15	1	0.34	99.0	49.3	146				
Ethylbenzene	1.140	0.15	1	0.11	103	68.5	129				
Freon 11	1.340	0.15	1	0.24	110	44.8	143				
Freon 113	1.080	0.15	1	0	108	80.3	125				
Freon 114	1.230	0.15	1	0	123	65.2	132				
Freon 12	1.540	0.15	1	0.45	109	67.4	103				S
Heptane	1.260	0.15	1	0.23	103	80.8	124				
Hexachloro-1,3-butadiene	1.050	0.15	1	0	105	81.9	119				
Hexane	1.150	0.15	1	0.21	94.0	73.7	147				
Isopropyl alcohol	8.760	0.15	1	7.2	156	70	130				S
m&p-Xylene	2.410	0.30	2	0.38	102	74.2	123				
Methyl Butyl Ketone	1.170	0.30	1	0	117	72.6	117				
Methyl Ethyl Ketone	2.540	0.30	1	1.52	102	59.4	135				
Methyl Isobutyl Ketone	1.220	0.30	1	0.17	105	61	120				
Methyl tert-butyl ether	0.9900	0.15	1	0	99.0	63.6	134				
Methylene chloride	1.580	0.15	1	0.68	90.0	53.4	125				
o-Xylene	1.160	0.15	1	0.14	102	74.3	132				
Propylene	14.79	0.15	1	0	1480	70	130				S
Styrene	1.230	0.15	1	0.21	102	82.4	118				
Tetrachloroethylene	4.490	0.15	1	3.63	86.0	86.2	112				S
Tetrahydrofuran	1.430	0.15	1	0.46	97.0	70	130				

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

CLIENT: LaBella Associates, P.C.
Work Order: C2012057
Project: 113-117 N Clinton SVI Heating Season

TestCode: 0.20_NYS

Sample ID: C2012057-002A MS	SampType: MS	TestCode: 0.20_NYS	Units: ppbV	Prep Date:	RunNo: 17128
Client ID: IA-02 (MS/MSD)	Batch ID: R17128	TestNo: TO-15		Analysis Date: 1/2/2021	SeqNo: 194604

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	2.090	0.15	1	1.13	96.0	70	130				
trans-1,2-Dichloroethene	1.290	0.15	1	0	129	70.9	132				
trans-1,3-Dichloropropene	1.020	0.15	1	0	102	51.9	133				
Trichloroethene	1.100	0.030	1	0.11	99.0	63.1	109				
Vinyl acetate	1.040	0.15	1	0	104	17.3	187				
Vinyl Bromide	1.440	0.15	1	0	144	71.3	121				S
Vinyl chloride	1.010	0.040	1	0	101	63.2	114				

Sample ID: C2012057-002A MS	SampType: MSD	TestCode: 0.20_NYS	Units: ppbV	Prep Date:	RunNo: 17128
Client ID: IA-02 (MS/MSD)	Batch ID: R17128	TestNo: TO-15		Analysis Date: 1/2/2021	SeqNo: 194605

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	1.010	0.15	1	0	101	68.1	117	1.02	0.985	0	
1,1,2,2-Tetrachloroethane	1.040	0.15	1	0	104	82.3	101	1.05	0.957	0	S
1,1,2-Trichloroethane	1.010	0.15	1	0	101	61	128	1	0.995	0	
1,1-Dichloroethane	1.020	0.15	1	0	102	76.5	118	1.03	0.976	0	
1,1-Dichloroethene	0.9100	0.040	1	0	91.0	45.8	128	0.97	6.38	0	
1,2,4-Trichlorobenzene	1.360	0.15	1	0	136	30.3	262	1.35	0.738	0	
1,2,4-Trimethylbenzene	1.190	0.15	1	0.21	98.0	81.5	155	1.22	2.49	0	
1,2-Dibromoethane	1.060	0.15	1	0	106	78.7	107	1.06	0	0	
1,2-Dichlorobenzene	0.5700	0.15	1	0	57.0	57.2	175	0.68	17.6	0	S
1,2-Dichloroethane	1.050	0.15	1	0	105	65.1	130	1.06	0.948	0	
1,2-Dichloropropane	1.030	0.15	1	0	103	69.9	116	1.03	0	0	
1,3,5-Trimethylbenzene	1.340	0.15	1	0.32	102	67.6	139	1.31	2.26	0	
1,3-butadiene	21.63	0.15	1	0	2160	70	404	23.07	6.44	0	S
1,3-Dichlorobenzene	1.060	0.15	1	0	106	89.1	122	1.05	0.948	0	
1,4-Dichlorobenzene	1.110	0.15	1	0	111	86.8	114	1.11	0	0	
1,4-Dioxane	1.020	0.30	1	0	102	75.1	114	1.04	1.94	0	
2,2,4-trimethylpentane	1.080	0.15	1	0	108	84.2	113	1.09	0.922	0	
4-ethyltoluene	1.170	0.15	1	0	117	70	130	1.19	1.69	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

CLIENT: LaBella Associates, P.C.
Work Order: C2012057
Project: 113-117 N Clinton SVI Heating Season **TestCode: 0.20_NYS**

Sample ID: **C2012057-002A MS** SampType: **MSD** TestCode: **0.20_NYS** Units: **ppbV** Prep Date: RunNo: **17128**
Client ID: **IA-02 (MS/MSD)** Batch ID: **R17128** TestNo: **TO-15** Analysis Date: **1/2/2021** SeqNo: **194605**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acetone	10.67	0.30	1	9.96	71.0	70	130	10.81	1.30	0	
Allyl chloride	1.010	0.15	1	0	101	49.7	155	1.01	0	0	
Benzene	1.250	0.15	1	0.23	102	72.7	133	1.26	0.797	0	
Benzyl chloride	1.060	0.15	1	0	106	72.5	129	1.05	0.948	0	
Bromodichloromethane	1.020	0.15	1	0	102	69.4	112	1.04	1.94	0	
Bromoform	0.9200	0.15	1	0	92.0	42.5	110	0.92	0	0	
Bromomethane	1.050	0.15	1	0	105	68.6	121	1.04	0.957	0	
Carbon disulfide	1.030	0.15	1	0	103	70	130	0.98	4.98	0	
Carbon tetrachloride	1.070	0.030	1	0.08	99.0	61	107	1.09	1.85	0	
Chlorobenzene	1.020	0.15	1	0	102	76.1	111	1.03	0.976	0	
Chloroethane	1.050	0.15	1	0	105	62.6	119	1.07	1.89	0	
Chloroform	1.400	0.15	1	0.4	100	6.54	173	1.4	0	0	
Chloromethane	1.400	0.15	1	0	140	54.4	125	1.64	15.8	0	S
cis-1,2-Dichloroethene	1.050	0.040	1	0	105	60.1	121	1.03	1.92	0	
cis-1,3-Dichloropropene	1.010	0.15	1	0	101	60.8	122	1.02	0.985	0	
Cyclohexane	1.100	0.15	1	0	110	59.4	148	1.06	3.70	0	
Dibromochloromethane	0.9900	0.15	1	0	99.0	71.6	102	1	1.01	0	
Ethyl acetate	1.320	0.15	1	0.34	98.0	49.3	146	1.33	0.755	0	
Ethylbenzene	1.110	0.15	1	0.11	100	68.5	129	1.14	2.67	0	
Freon 11	1.310	0.15	1	0.24	107	44.8	143	1.34	2.26	0	
Freon 113	1.090	0.15	1	0	109	80.3	125	1.08	0.922	0	
Freon 114	1.190	0.15	1	0	119	65.2	132	1.23	3.31	0	
Freon 12	1.510	0.15	1	0.45	106	67.4	103	1.54	1.97	0	S
Heptane	1.210	0.15	1	0.23	98.0	80.8	124	1.26	4.05	0	
Hexachloro-1,3-butadiene	1.040	0.15	1	0	104	81.9	119	1.05	0.957	0	
Hexane	1.110	0.15	1	0.21	90.0	73.7	147	1.15	3.54	0	
Isopropyl alcohol	8.090	0.15	1	7.2	89.0	70	130	8.76	7.95	0	
m&p-Xylene	2.380	0.30	2	0.38	100	74.2	123	2.41	1.25	0	
Methyl Butyl Ketone	1.170	0.30	1	0	117	72.6	117	1.17	0	0	
Methyl Ethyl Ketone	2.390	0.30	1	1.52	87.0	59.4	135	2.54	6.09	0	
Methyl Isobutyl Ketone	1.180	0.30	1	0.17	101	61	120	1.22	3.33	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

Centek Laboratories, LLC

CLIENT: LaBella Associates, P.C.
Work Order: C2012057
Project: 113-117 N Clinton SVI Heating Season **TestCode: 0.20_NYS**

Sample ID: C2012057-002A MS	SampType: MSD	TestCode: 0.20_NYS	Units: ppbV	Prep Date:	RunNo: 17128
Client ID: IA-02 (MS/MSD)	Batch ID: R17128	TestNo: TO-15		Analysis Date: 1/2/2021	SeqNo: 194605

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether	1.000	0.15	1	0	100	63.6	134	0.99	1.01	0	
Methylene chloride	1.610	0.15	1	0.68	93.0	53.4	125	1.58	1.88	0	
o-Xylene	1.130	0.15	1	0.14	99.0	74.3	132	1.16	2.62	0	
Propylene	14.04	0.15	1	0	1400	70	130	14.79	5.20	0	S
Styrene	1.210	0.15	1	0.21	100	82.4	118	1.23	1.64	0	
Tetrachloroethylene	4.180	0.15	1	3.63	55.0	86.2	112	4.49	7.15	0	S
Tetrahydrofuran	1.400	0.15	1	0.46	94.0	70	130	1.43	2.12	0	
Toluene	1.970	0.15	1	1.13	84.0	70	130	2.09	5.91	0	
trans-1,2-Dichloroethene	1.020	0.15	1	0	102	70.9	132	1.29	23.4	0	
trans-1,3-Dichloropropene	1.030	0.15	1	0	103	51.9	133	1.02	0.976	0	
Trichloroethene	1.090	0.030	1	0.11	98.0	63.1	109	1.1	0.913	0	
Vinyl acetate	1.070	0.15	1	0	107	70	130	1.04	2.84	0	
Vinyl Bromide	1.410	0.15	1	0	141	70	130	1.44	2.11	0	S
Vinyl chloride	1.000	0.040	1	0	100	63.2	114	1.01	0.995	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

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

Centek Laboratories, LLC

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

Centek Laboratories, LLC

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

Centek Laboratories, LLC

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: *12-Jan-21*

CLIENT:	LaBella Associates, P.C.	**Client Sample ID:**	IA-01
Lab Order:	C2012057	**Tag Number:**	1185,447
Project:	113-117 N Clinton SVI Heating Season	**Collection Date:**	12/29/2020
Lab ID:	C2012057-001A	**Matrix:**	AIR

Analyses	Result	DL	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		FLD				Analyst:
Lab Vacuum In	-5			"Hg		12/30/2020
Lab Vacuum Out	-30			"Hg		12/30/2020
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		TO-15				Analyst: RJP
1,1,1-Trichloroethane	< 0.15	0.15		ppbV	1	1/2/2021 2:00:00 PM
1,1,2,2-Tetrachloroethane	< 0.15	0.15		ppbV	1	1/2/2021 2:00:00 PM
1,1,2-Trichloroethane	< 0.15	0.15		ppbV	1	1/2/2021 2:00:00 PM
1,1-Dichloroethane	< 0.15	0.15		ppbV	1	1/2/2021 2:00:00 PM
1,1-Dichloroethene	< 0.040	0.040		ppbV	1	1/2/2021 2:00:00 PM
1,2,4-Trichlorobenzene	< 0.15	0.15		ppbV	1	1/2/2021 2:00:00 PM
1,2,4-Trimethylbenzene	0.22	0.15		ppbV	1	1/2/2021 2:00:00 PM
1,2-Dibromoethane	< 0.15	0.15		ppbV	1	1/2/2021 2:00:00 PM
1,2-Dichlorobenzene	< 0.15	0.15		ppbV	1	1/2/2021 2:00:00 PM
1,2-Dichloroethane	< 0.15	0.15		ppbV	1	1/2/2021 2:00:00 PM
1,2-Dichloropropane	< 0.15	0.15		ppbV	1	1/2/2021 2:00:00 PM
1,3,5-Trimethylbenzene	0.41	0.15		ppbV	1	1/2/2021 2:00:00 PM
1,3-butadiene	< 0.15	0.15		ppbV	1	1/2/2021 2:00:00 PM
1,3-Dichlorobenzene	< 0.15	0.15		ppbV	1	1/2/2021 2:00:00 PM
1,4-Dichlorobenzene	< 0.15	0.15		ppbV	1	1/2/2021 2:00:00 PM
1,4-Dioxane	< 0.30	0.30		ppbV	1	1/2/2021 2:00:00 PM
2,2,4-trimethylpentane	< 0.15	0.15		ppbV	1	1/2/2021 2:00:00 PM
4-ethyltoluene	< 0.15	0.15		ppbV	1	1/2/2021 2:00:00 PM
Acetone	16	3.0		ppbV	10	1/2/2021 7:08:00 PM
Allyl chloride	< 0.15	0.15		ppbV	1	1/2/2021 2:00:00 PM
Benzene	0.26	0.15		ppbV	1	1/2/2021 2:00:00 PM
Benzyl chloride	< 0.15	0.15		ppbV	1	1/2/2021 2:00:00 PM
Bromodichloromethane	< 0.15	0.15		ppbV	1	1/2/2021 2:00:00 PM
Bromoform	< 0.15	0.15		ppbV	1	1/2/2021 2:00:00 PM
Bromomethane	< 0.15	0.15		ppbV	1	1/2/2021 2:00:00 PM
Carbon disulfide	0.12	0.15	J	ppbV	1	1/2/2021 2:00:00 PM
Carbon tetrachloride	0.090	0.030		ppbV	1	1/2/2021 2:00:00 PM
Chlorobenzene	< 0.15	0.15		ppbV	1	1/2/2021 2:00:00 PM
Chloroethane	< 0.15	0.15		ppbV	1	1/2/2021 2:00:00 PM
Chloroform	0.39	0.15		ppbV	1	1/2/2021 2:00:00 PM
Chloromethane	< 0.15	0.15		ppbV	1	1/2/2021 2:00:00 PM
cis-1,2-Dichloroethene	< 0.040	0.040		ppbV	1	1/2/2021 2:00:00 PM
cis-1,3-Dichloropropene	< 0.15	0.15		ppbV	1	1/2/2021 2:00:00 PM
Cyclohexane	0.11	0.15	J	ppbV	1	1/2/2021 2:00:00 PM
Dibromochloromethane	< 0.15	0.15		ppbV	1	1/2/2021 2:00:00 PM
Ethyl acetate	0.32	0.15		ppbV	1	1/2/2021 2:00:00 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: *12-Jan-21*

CLIENT:	LaBella Associates, P.C.	**Client Sample ID:**	IA-01
Lab Order:	C2012057	**Tag Number:**	1185,447
Project:	113-117 N Clinton SVI Heating Season	**Collection Date:**	12/29/2020
Lab ID:	C2012057-001A	**Matrix:**	AIR

Analyses	Result	DL	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		**TO-15**				Analyst: **RJP**
Ethylbenzene	0.11	0.15	J	ppbV	1	1/2/2021 2:00:00 PM
Freon 11	0.24	0.15		ppbV	1	1/2/2021 2:00:00 PM
Freon 113	< 0.15	0.15		ppbV	1	1/2/2021 2:00:00 PM
Freon 114	< 0.15	0.15		ppbV	1	1/2/2021 2:00:00 PM
Freon 12	0.47	0.15		ppbV	1	1/2/2021 2:00:00 PM
Heptane	0.24	0.15		ppbV	1	1/2/2021 2:00:00 PM
Hexachloro-1,3-butadiene	< 0.15	0.15		ppbV	1	1/2/2021 2:00:00 PM
Hexane	0.21	0.15		ppbV	1	1/2/2021 2:00:00 PM
Isopropyl alcohol	11	1.5		ppbV	10	1/2/2021 7:08:00 PM
m&p-Xylene	0.37	0.30		ppbV	1	1/2/2021 2:00:00 PM
Methyl Butyl Ketone	< 0.30	0.30		ppbV	1	1/2/2021 2:00:00 PM
Methyl Ethyl Ketone	1.5	0.30		ppbV	1	1/2/2021 2:00:00 PM
Methyl Isobutyl Ketone	0.16	0.30	J	ppbV	1	1/2/2021 2:00:00 PM
Methyl tert-butyl ether	< 0.15	0.15		ppbV	1	1/2/2021 2:00:00 PM
Methylene chloride	0.66	0.15		ppbV	1	1/2/2021 2:00:00 PM
o-Xylene	0.15	0.15		ppbV	1	1/2/2021 2:00:00 PM
Propylene	< 0.15	0.15		ppbV	1	1/2/2021 2:00:00 PM
Styrene	0.21	0.15		ppbV	1	1/2/2021 2:00:00 PM
Tetrachloroethylene	3.5	1.5		ppbV	10	1/2/2021 7:08:00 PM
Tetrahydrofuran	0.44	0.15		ppbV	1	1/2/2021 2:00:00 PM
Toluene	1.1	0.15		ppbV	1	1/2/2021 2:00:00 PM
trans-1,2-Dichloroethene	< 0.15	0.15		ppbV	1	1/2/2021 2:00:00 PM
trans-1,3-Dichloropropene	< 0.15	0.15		ppbV	1	1/2/2021 2:00:00 PM
Trichloroethene	0.12	0.030		ppbV	1	1/2/2021 2:00:00 PM
Vinyl acetate	< 0.15	0.15		ppbV	1	1/2/2021 2:00:00 PM
Vinyl Bromide	< 0.15	0.15		ppbV	1	1/2/2021 2:00:00 PM
Vinyl chloride	< 0.040	0.040		ppbV	1	1/2/2021 2:00:00 PM
Surr: Bromofluorobenzene	98.0	47-124		%REC	1	1/2/2021 2:00:00 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: *12-Jan-21*

CLIENT:	LaBella Associates, P.C.	**Client Sample ID:**	IA-01
Lab Order:	C2012057	**Tag Number:**	1185,447
Project:	113-117 N Clinton SVI Heating Season	**Collection Date:**	12/29/2020
Lab ID:	C2012057-001A	**Matrix:**	AIR

Analyses	Result	DL	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	< 0.82	0.82		ug/m3	1	1/2/2021 2:00:00 PM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		ug/m3	1	1/2/2021 2:00:00 PM
1,1,2-Trichloroethane	< 0.82	0.82		ug/m3	1	1/2/2021 2:00:00 PM
1,1-Dichloroethane	< 0.61	0.61		ug/m3	1	1/2/2021 2:00:00 PM
1,1-Dichloroethene	< 0.16	0.16		ug/m3	1	1/2/2021 2:00:00 PM
1,2,4-Trichlorobenzene	< 1.1	1.1		ug/m3	1	1/2/2021 2:00:00 PM
1,2,4-Trimethylbenzene	1.1	0.74		ug/m3	1	1/2/2021 2:00:00 PM
1,2-Dibromoethane	< 1.2	1.2		ug/m3	1	1/2/2021 2:00:00 PM
1,2-Dichlorobenzene	< 0.90	0.90		ug/m3	1	1/2/2021 2:00:00 PM
1,2-Dichloroethane	< 0.61	0.61		ug/m3	1	1/2/2021 2:00:00 PM
1,2-Dichloropropane	< 0.69	0.69		ug/m3	1	1/2/2021 2:00:00 PM
1,3,5-Trimethylbenzene	2.0	0.74		ug/m3	1	1/2/2021 2:00:00 PM
1,3-butadiene	< 0.33	0.33		ug/m3	1	1/2/2021 2:00:00 PM
1,3-Dichlorobenzene	< 0.90	0.90		ug/m3	1	1/2/2021 2:00:00 PM
1,4-Dichlorobenzene	< 0.90	0.90		ug/m3	1	1/2/2021 2:00:00 PM
1,4-Dioxane	< 1.1	1.1		ug/m3	1	1/2/2021 2:00:00 PM
2,2,4-trimethylpentane	< 0.70	0.70		ug/m3	1	1/2/2021 2:00:00 PM
4-ethyltoluene	< 0.74	0.74		ug/m3	1	1/2/2021 2:00:00 PM
Acetone	37	7.1		ug/m3	10	1/2/2021 7:08:00 PM
Allyl chloride	< 0.47	0.47		ug/m3	1	1/2/2021 2:00:00 PM
Benzene	0.83	0.48		ug/m3	1	1/2/2021 2:00:00 PM
Benzyl chloride	< 0.86	0.86		ug/m3	1	1/2/2021 2:00:00 PM
Bromodichloromethane	< 1.0	1.0		ug/m3	1	1/2/2021 2:00:00 PM
Bromoform	< 1.6	1.6		ug/m3	1	1/2/2021 2:00:00 PM
Bromomethane	< 0.58	0.58		ug/m3	1	1/2/2021 2:00:00 PM
Carbon disulfide	0.37	0.47	J	ug/m3	1	1/2/2021 2:00:00 PM
Carbon tetrachloride	0.57	0.19		ug/m3	1	1/2/2021 2:00:00 PM
Chlorobenzene	< 0.69	0.69		ug/m3	1	1/2/2021 2:00:00 PM
Chloroethane	< 0.40	0.40		ug/m3	1	1/2/2021 2:00:00 PM
Chloroform	1.9	0.73		ug/m3	1	1/2/2021 2:00:00 PM
Chloromethane	< 0.31	0.31		ug/m3	1	1/2/2021 2:00:00 PM
cis-1,2-Dichloroethene	< 0.16	0.16		ug/m3	1	1/2/2021 2:00:00 PM
cis-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	1/2/2021 2:00:00 PM
Cyclohexane	0.38	0.52	J	ug/m3	1	1/2/2021 2:00:00 PM
Dibromochloromethane	< 1.3	1.3		ug/m3	1	1/2/2021 2:00:00 PM
Ethyl acetate	1.2	0.54		ug/m3	1	1/2/2021 2:00:00 PM
Ethylbenzene	0.48	0.65	J	ug/m3	1	1/2/2021 2:00:00 PM
Freon 11	1.3	0.84		ug/m3	1	1/2/2021 2:00:00 PM
Freon 113	< 1.1	1.1		ug/m3	1	1/2/2021 2:00:00 PM
Freon 114	< 1.0	1.0		ug/m3	1	1/2/2021 2:00:00 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: *12-Jan-21*

CLIENT:	LaBella Associates, P.C.	**Client Sample ID:**	IA-01
Lab Order:	C2012057	**Tag Number:**	1185,447
Project:	113-117 N Clinton SVI Heating Season	**Collection Date:**	12/29/2020
Lab ID:	C2012057-001A	**Matrix:**	AIR

Analyses	Result	DL	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		**TO-15**				Analyst: **RJP**
Freon 12	2.3	0.74		ug/m3	1	1/2/2021 2:00:00 PM
Heptane	0.98	0.61		ug/m3	1	1/2/2021 2:00:00 PM
Hexachloro-1,3-butadiene	< 1.6	1.6		ug/m3	1	1/2/2021 2:00:00 PM
Hexane	0.74	0.53		ug/m3	1	1/2/2021 2:00:00 PM
Isopropyl alcohol	27	3.7		ug/m3	10	1/2/2021 7:08:00 PM
m&p-Xylene	1.6	1.3		ug/m3	1	1/2/2021 2:00:00 PM
Methyl Butyl Ketone	< 1.2	1.2		ug/m3	1	1/2/2021 2:00:00 PM
Methyl Ethyl Ketone	4.5	0.88		ug/m3	1	1/2/2021 2:00:00 PM
Methyl Isobutyl Ketone	0.66	1.2	J	ug/m3	1	1/2/2021 2:00:00 PM
Methyl tert-butyl ether	< 0.54	0.54		ug/m3	1	1/2/2021 2:00:00 PM
Methylene chloride	2.3	0.52		ug/m3	1	1/2/2021 2:00:00 PM
o-Xylene	0.65	0.65		ug/m3	1	1/2/2021 2:00:00 PM
Propylene	< 0.26	0.26		ug/m3	1	1/2/2021 2:00:00 PM
Styrene	0.89	0.64		ug/m3	1	1/2/2021 2:00:00 PM
Tetrachloroethylene	24	10		ug/m3	10	1/2/2021 7:08:00 PM
Tetrahydrofuran	1.3	0.44		ug/m3	1	1/2/2021 2:00:00 PM
Toluene	4.3	0.57		ug/m3	1	1/2/2021 2:00:00 PM
trans-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	1/2/2021 2:00:00 PM
trans-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	1/2/2021 2:00:00 PM
Trichloroethene	0.64	0.16		ug/m3	1	1/2/2021 2:00:00 PM
Vinyl acetate	< 0.53	0.53		ug/m3	1	1/2/2021 2:00:00 PM
Vinyl Bromide	< 0.66	0.66		ug/m3	1	1/2/2021 2:00:00 PM
Vinyl chloride	< 0.10	0.10		ug/m3	1	1/2/2021 2:00:00 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\AS010205.D
Acq On : 2 Jan 2021 2:00 pm
Sample : C2012057-001A
Misc : A101_1UG
MS Integration Params: RTEINT.P
Quant Time: Jan 03 09:30:30 2021

Vial: 5
Operator: RJP
Inst : MSD #1
Multiplr: 1.00
Quant Results File: A101_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A101_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Sat Jan 02 10:49:46 2021
Response via : Initial Calibration
DataAcq Meth : 1UG_ENT

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	9.79	128	58368	1.00	ppb		0.00
35) 1,4-difluorobenzene	12.09	114	297511	1.00	ppb		0.00
50) Chlorobenzene-d5	16.90	117	265369	1.00	ppb		0.00
System Monitoring Compounds							
65) Bromofluorobenzene	18.70	95	192137	0.98	ppb		0.00
Spiked Amount 1.000	Range 70 - 130		Recovery = 98.00%				
Target Compounds							Qvalue
3) Freon 12	4.20	85	89978	0.47	ppb		98
14) Freon 11	5.83	101	48914	0.24	ppb		98
15) Acetone	5.98	58	386586	11.64	ppb	#	34
17) Isopropyl alcohol	6.09	45	565497	7.45	ppb	#	1
21) Methylene chloride	7.05	84	47722	0.66	ppb		96
23) Carbon disulfide	7.21	76	29959	0.12	ppb		90
28) Methyl Ethyl Ketone	8.89	72	60194	1.54	ppb	#	100
30) Hexane	8.95	57	25873m	0.21	ppb		
31) Ethyl acetate	9.49	43	70365	0.32	ppb		95
32) Chloroform	9.96	83	67867	0.39	ppb		96
33) Tetrahydrofuran	10.13	42	32098	0.44	ppb		93
37) Cyclohexane	11.49	56	12921m	0.11	ppb		
38) Carbon tetrachloride	11.43	117	15736	0.09	ppb		99
39) Benzene	11.40	78	65363	0.26	ppb		92
43) Heptane	12.60	43	31697	0.24	ppb	#	66
44) Trichloroethene	12.74	130	14603	0.12	ppb		97
51) Toluene	14.85	92	216948	1.14	ppb		97
52) Methyl Isobutyl Ketone	13.91	43	26870	0.16	ppb		78
56) Tetrachloroethylene	15.93	164	457496	3.55	ppb		97
58) Ethylbenzene	17.23	91	46951	0.11	ppb		99
59) m&p-xylene	17.41	91	123878	0.37	ppb		99
61) Styrene	17.92	104	53595	0.21	ppb		99
63) o-xylene	17.95	91	51088	0.15	ppb		99
70) 1,3,5-trimethylbenzene	19.42	105	168077m	0.41	ppb		
71) 1,2,4-trimethylbenzene	19.95	105	90053	0.22	ppb		97

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

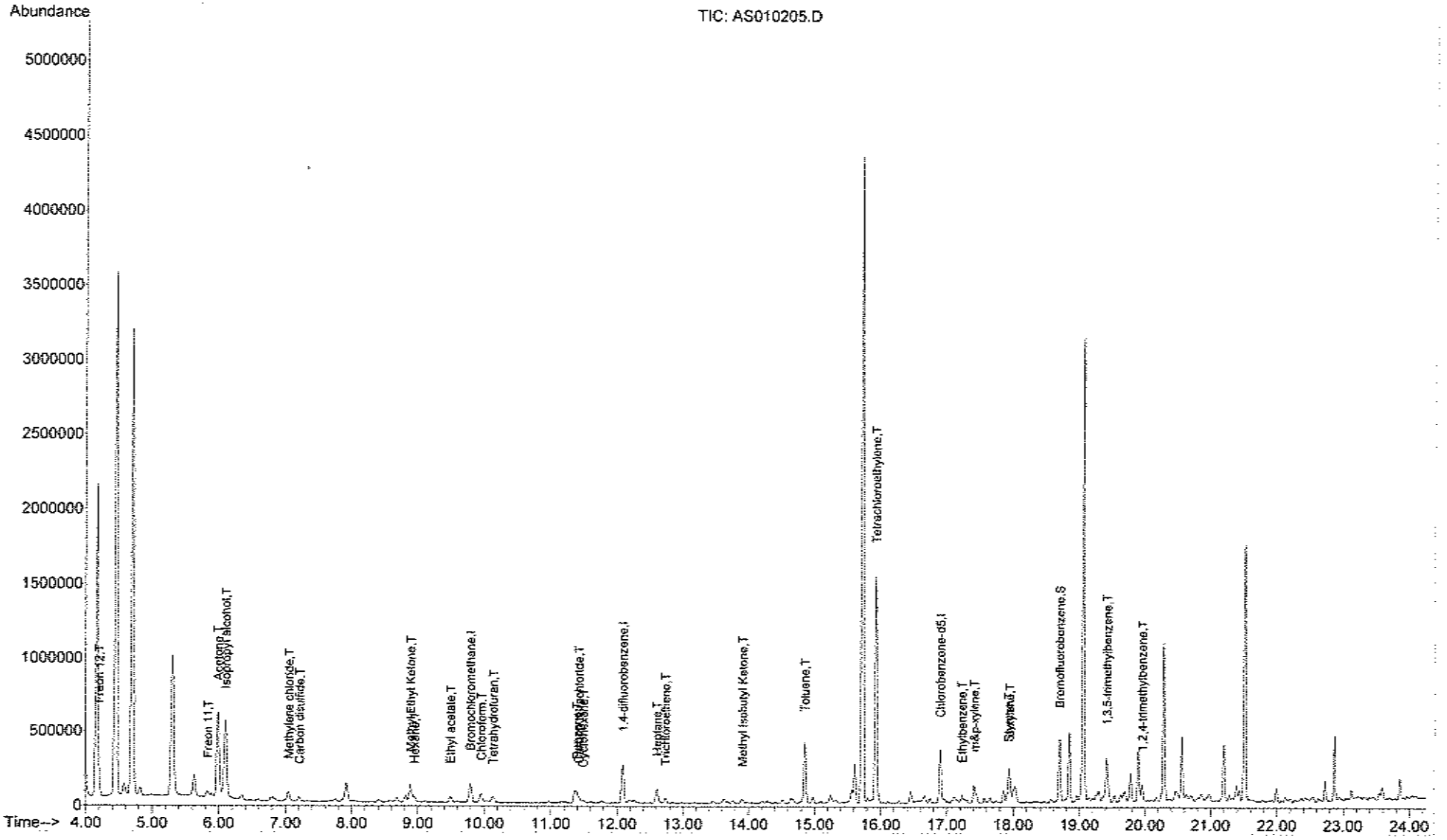
Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AS010205.D
Acq On : 2 Jan 2021 2:00 pm
Sample : C2012057-001A
Misc : A101_1UG
MS Integration Params: RTEINT.P
Quant Time: Jan 7 10:40 2021

Vial: 5
Operator: RJP
Inst : MSD #1
Multiplr: 1.00

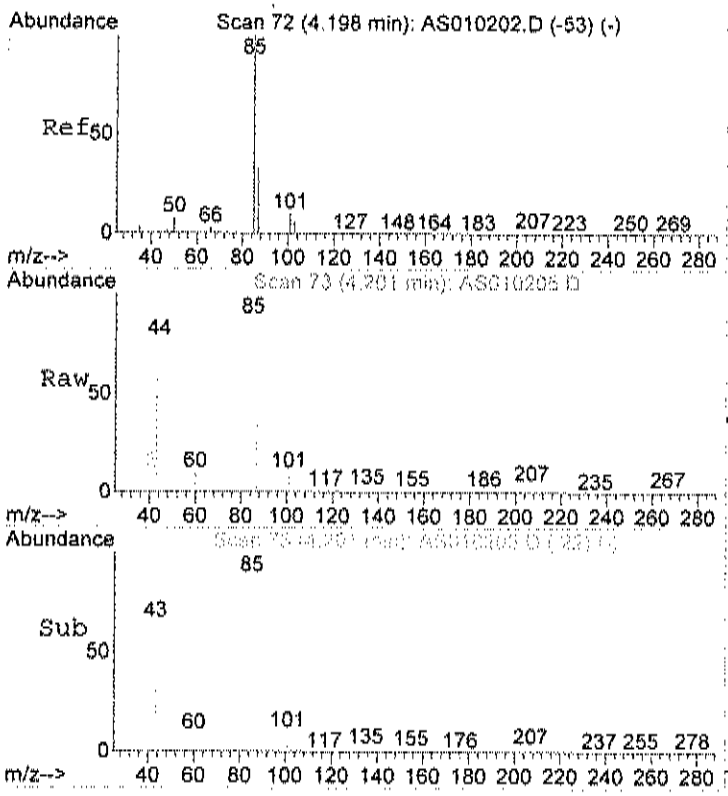
Quant Results File: A101_1UG.RES

Method : C:\HPCHEM\1\METHODS\A101_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Tue Jan 12 09:46:09 2021
Response via : Initial Calibration



AS010205.D A101_1UG.M Tue Jan 12 09:46:52 2021 MSD1 Page 2

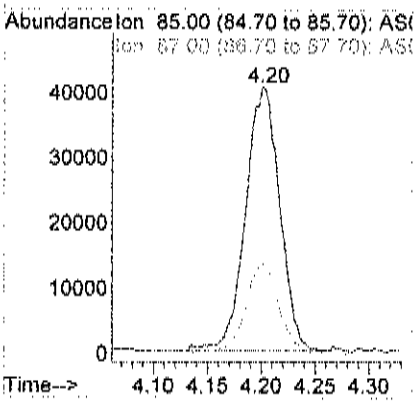
Centek Laboratories, LLC

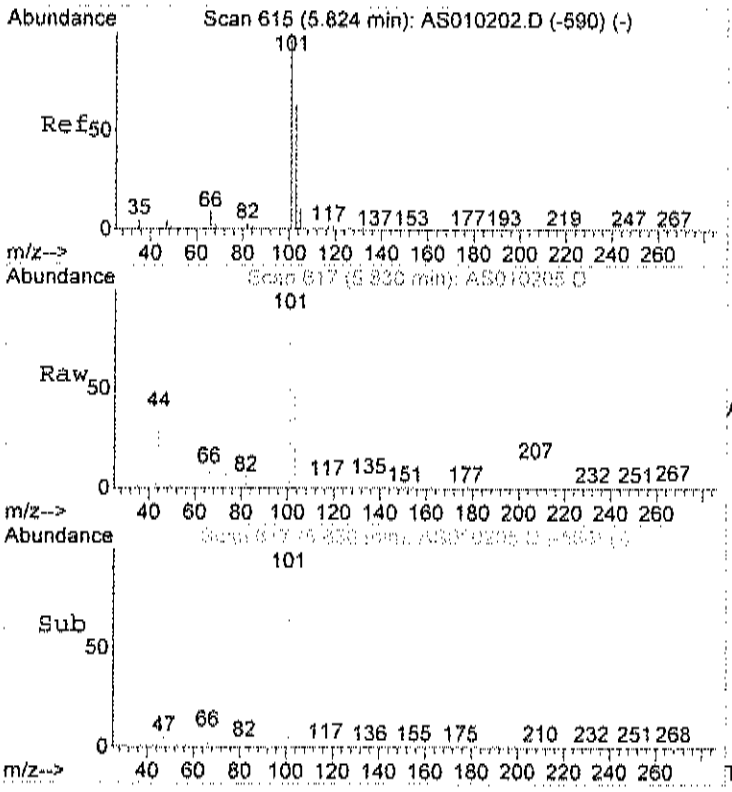


#3
Freon 12
Concen: 0.47 ppb
RT: 4.20 min Scan# 73
Delta R.T. 0.00 min
Lab File: AS010205.D
Acq: 2 Jan 2021 2:00 pm

Tgt Ion: 85 Resp: 89978

Ion	Ratio	Lower	Upper
85	100		
87	32.9	14.0	54.0

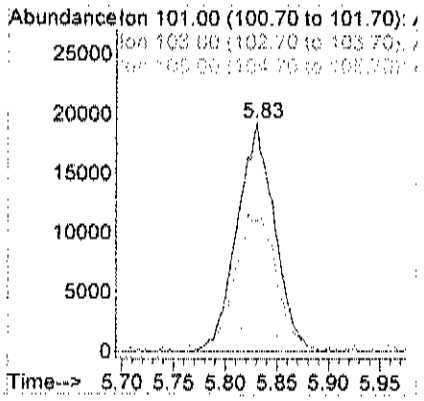


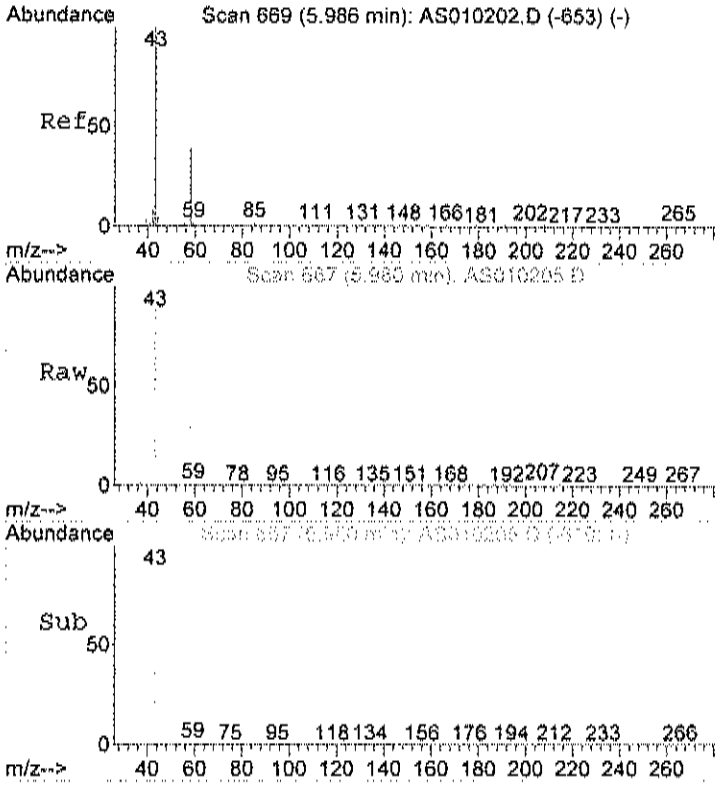


#14
Freon 11
Concen: 0.24 ppb
RT: 5.83 min Scan# 617
Delta R.T. 0.01 min
Lab File: AS010205.D
Acq: 2 Jan 2021 2:00 pm

Tgt Ion:101 Resp: 48914

Ion	Ratio	Lower	Upper
101	100		
103	65.4	44.1	84.1
105	13.0	0.0	31.3

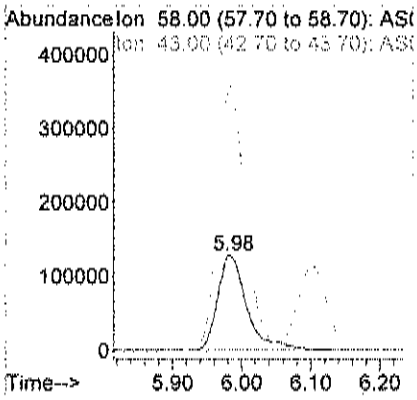


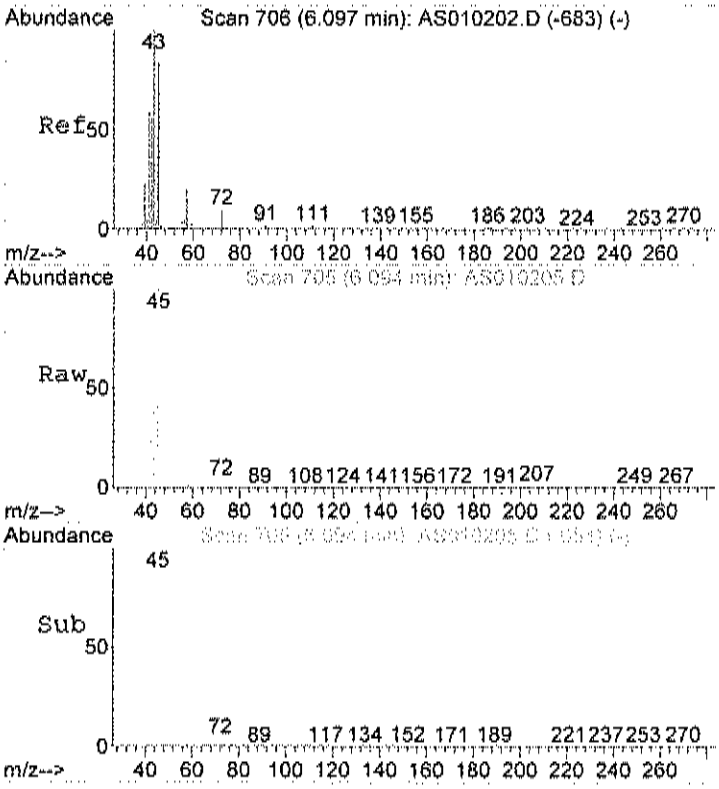


#15
Acetone
Concen: 11.64 ppb
RT: 5.98 min Scan# 667
Delta R.T. -0.01 min
Lab File: AS010205.D
Acq: 2 Jan 2021 2:00 pm

Tgt Ion: 58 Resp: 386586

Ion	Ratio	Lower	Upper
58	100		
43	333.7	195.2	255.2#

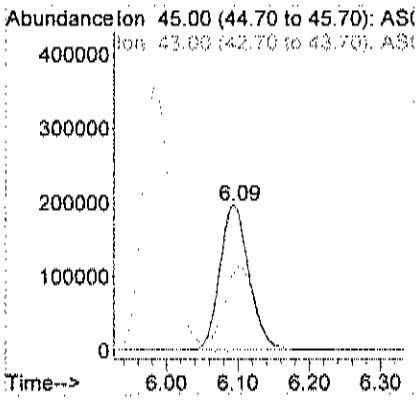


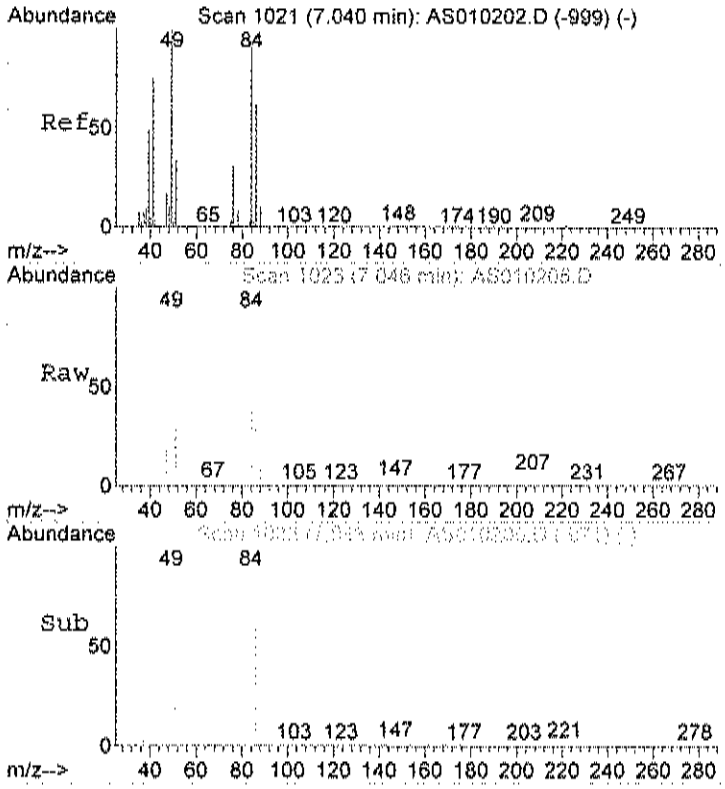


#17
Isopropyl alcohol
Concen: 7.45 ppb
RT: 6.09 min Scan# 705
Delta R.T. 0.00 min
Lab File: AS010205.D
Acq: 2 Jan 2021 2:00 pm

Tgt Ion: 45 Resp: 565497

Ion	Ratio	Lower	Upper
45	100		
43	0.0	103.4	143.4#

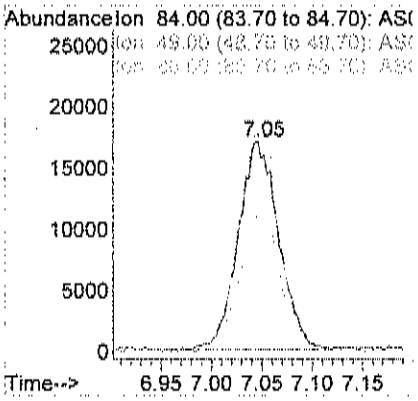


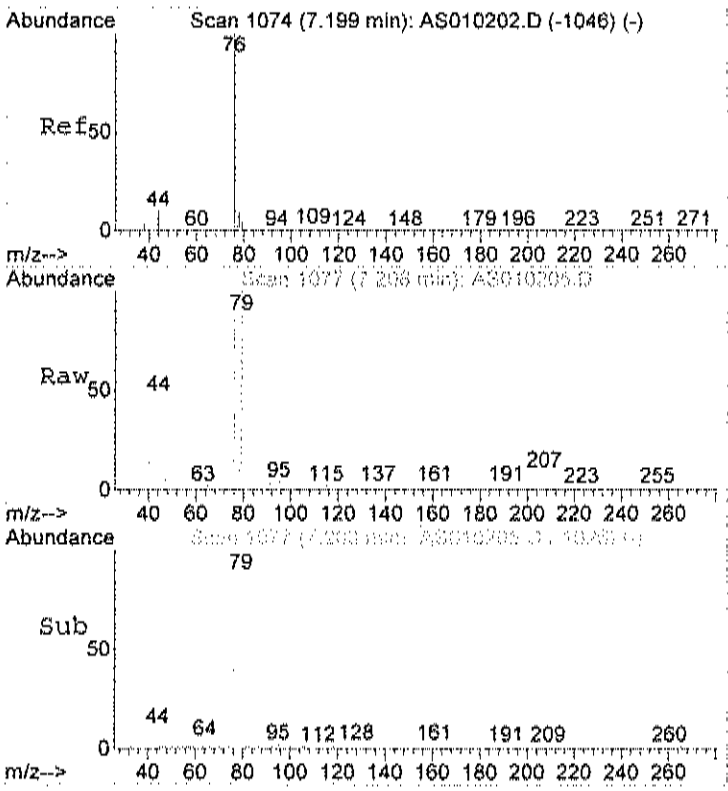


#21
Methylene chloride
Concen: 0.66 ppb
RT: 7.05 min Scan# 1023
Delta R.T. 0.01 min
Lab File: AS010205.D
Acq: 2 Jan 2021 2:00 pm

Tgt Ion: 84 Resp: 47722

Ion	Ratio	Lower	Upper
84	100		
49	108.0	94.8	134.8
86	66.1	46.1	86.1

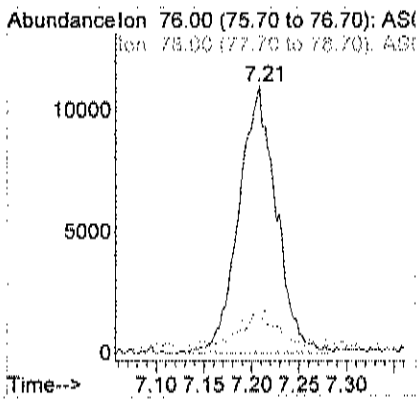


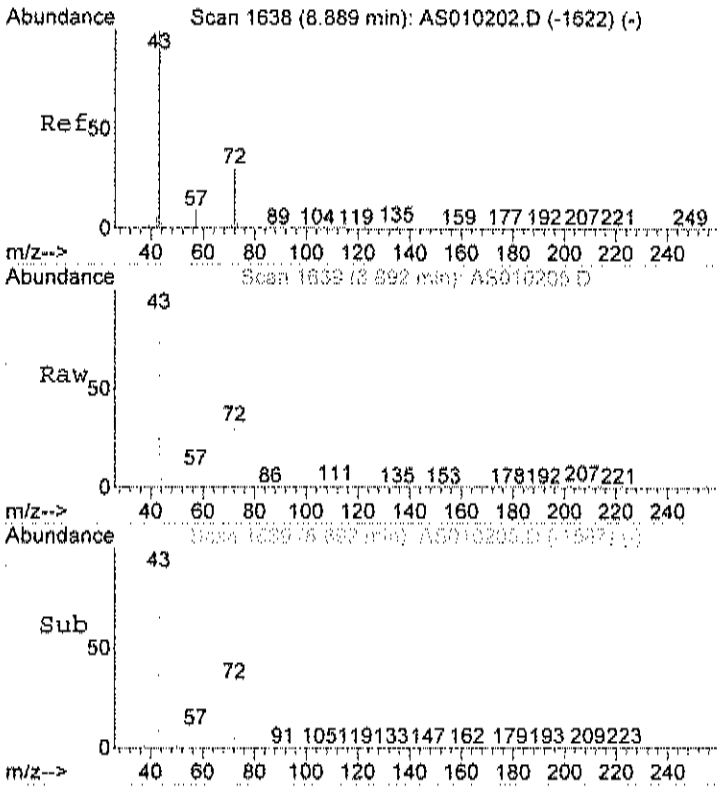


#23
Carbon disulfide
Concen: 0.12 ppb
RT: 7.21 min Scan# 1077
Delta R.T. 0.00 min
Lab File: AS010205.D
Acq: 2 Jan 2021 2:00 pm

Tgt Ion: 76 Resp: 29959

Ion	Ratio	Lower	Upper
76	100		
78	14.4	0.0	30.6

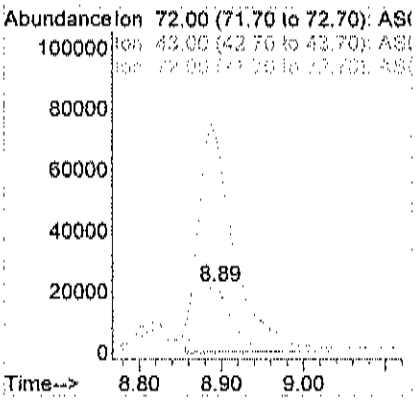


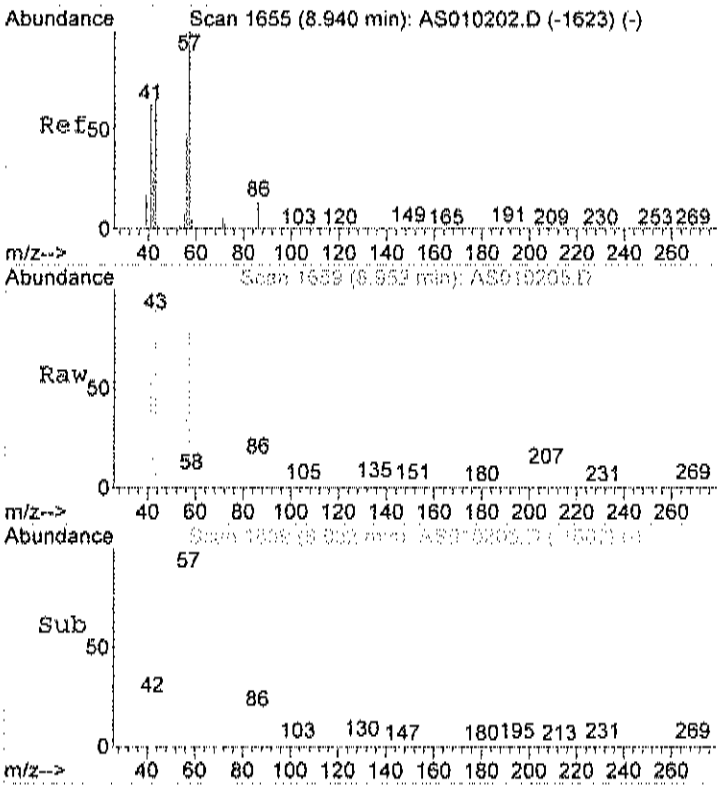


#28
Methyl Ethyl Ketone
Concen: 1.54 ppb
RT: 8.89 min Scan# 1639
Delta R.T. 0.01 min
Lab File: AS010205.D
Acq: 2 Jan 2021 2:00 pm

Tgt Ion: 72 Resp: 60194

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

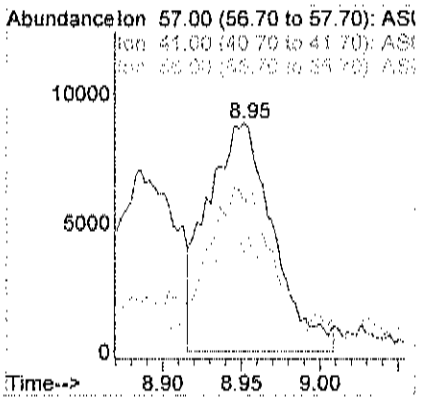


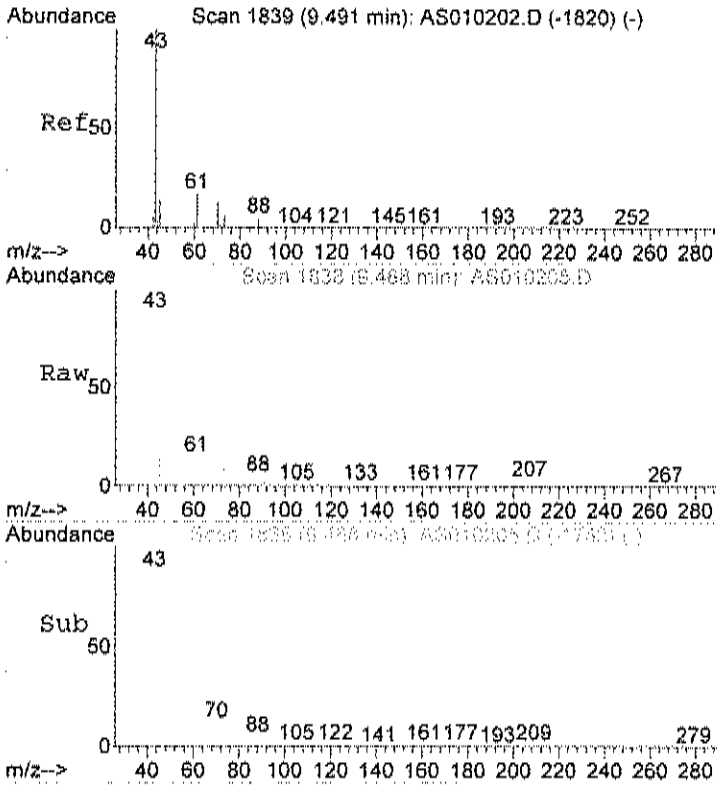


#30
Hexane
Concen: 0.21 ppb m
RT: 8.95 min Scan# 1659
Delta R.T. 0.01 min
Lab File: AS010205.D
Acq: 2 Jan 2021 2:00 pm

Tgt Ion: 57 Resp: 25873

Ion	Ratio	Lower	Upper
57	100		
41	80.5	41.3	81.3
56	45.0	28.7	68.7

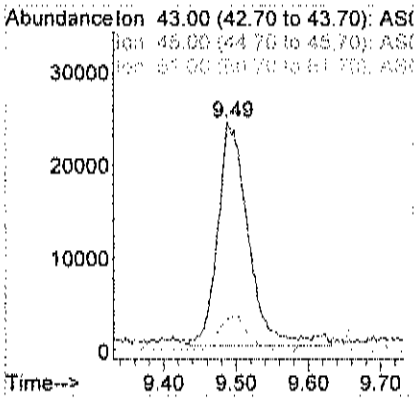


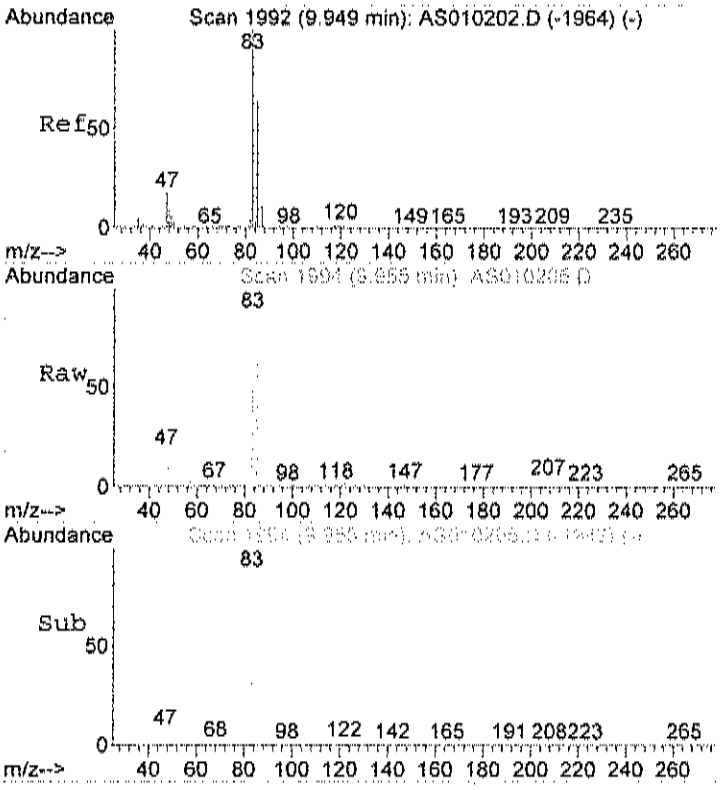


#31
Ethyl acetate
Concen: 0.32 ppb
RT: 9.49 min Scan# 1838
Delta R.T. -0.00 min
Lab File: AS010205.D
Acq: 2 Jan 2021 2:00 pm

Tgt Ion: 43 Resp: 70365

Ion	Ratio	Lower	Upper
43	100		
45	13.3	0.0	35.3
61	14.9	0.0	37.2

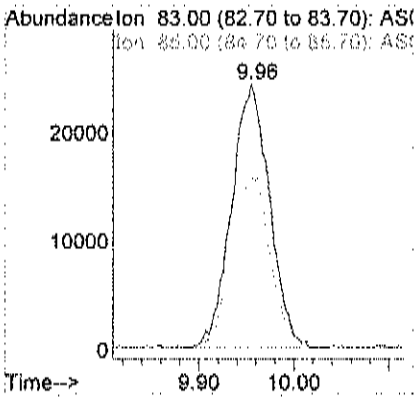


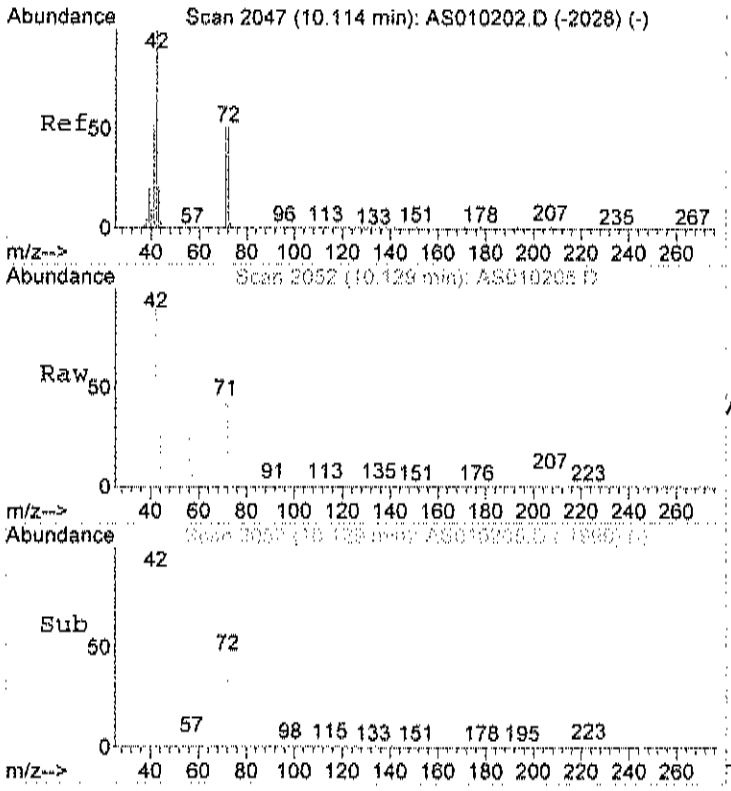


#32
Chloroform
Concen: 0.39 ppb
RT: 9.96 min Scan# 1994
Delta R.T. 0.01 min
Lab File: AS010205.D
Acq: 2 Jan 2021 2:00 pm

Tgt Ion: 83 Resp: 67867

Ion	Ratio	Lower	Upper
83	100		
85	68.4	45.4	85.4

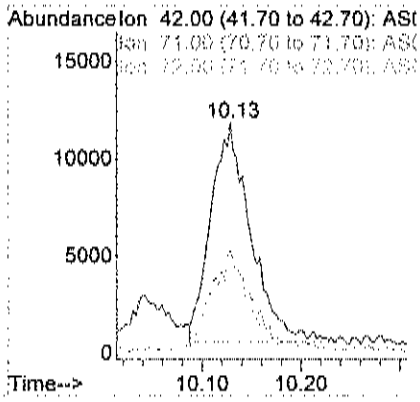


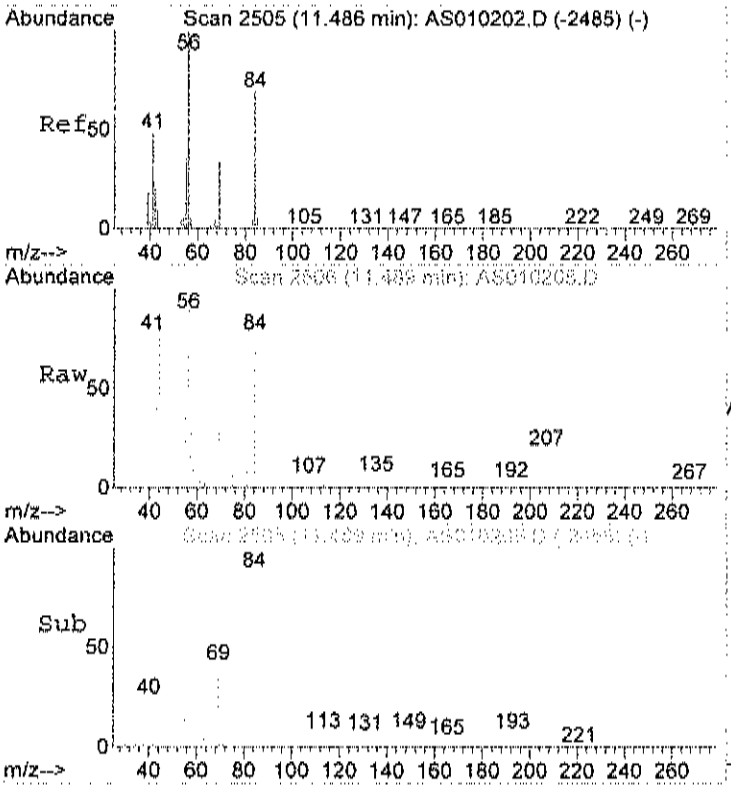


#33
Tetrahydrofuran
Concen: 0.44 ppb
RT: 10.13 min Scan# 2052
Delta R.T. 0.01 min
Lab File: AS010205.D
Acq: 2 Jan 2021 2:00 pm

Tgt Ion: 42 Resp: 32098

Ion	Ratio	Lower	Upper
42	100		
71	46.1	32.7	72.7
72	48.6	31.1	71.1

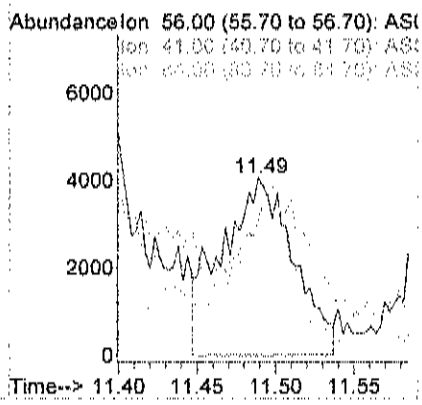


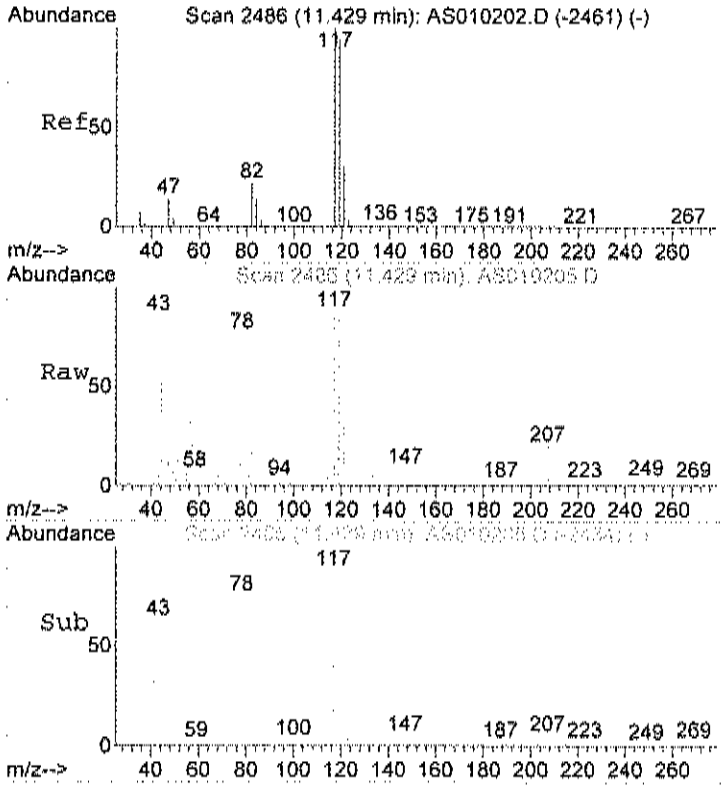


#37
Cyclohexane
Concen: 0.11 ppb m
RT: 11.49 min Scan# 2506
Delta R.T. 0.00 min
Lab File: AS010205.D
Acq: 2 Jan 2021 2:00 pm

Tgt Ion: 56 Resp: 12921

Ion	Ratio	Lower	Upper
56	100		
41	372.1	29.3	69.3#
84	4.5	91.2	131.2#

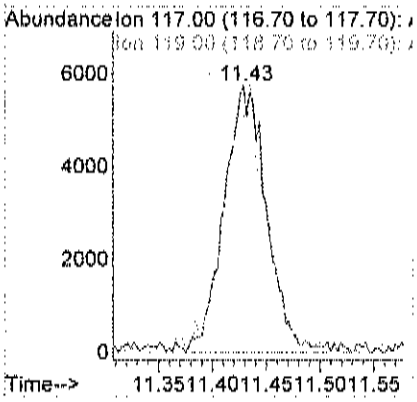


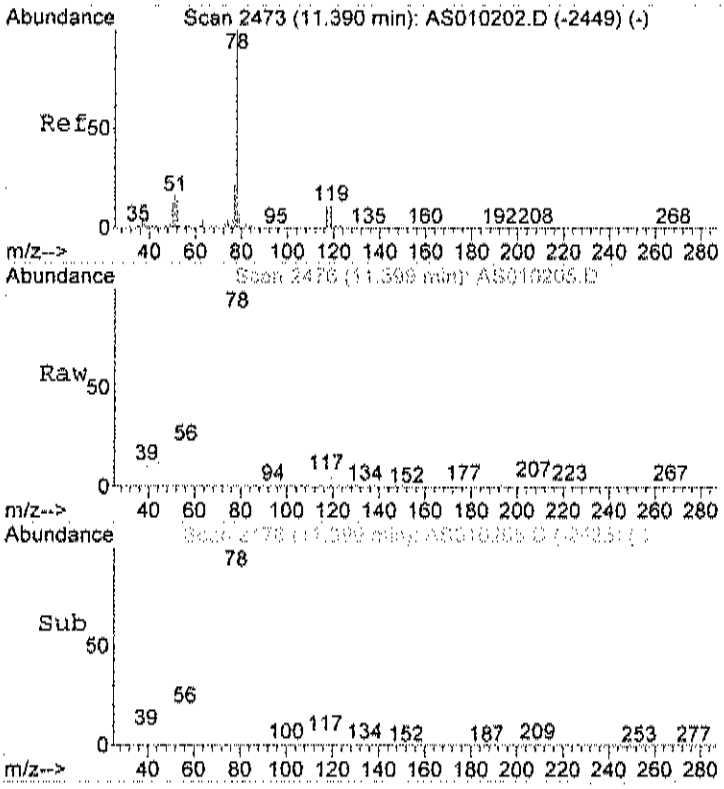


#38
Carbon tetrachloride
Concen: 0.09 ppb
RT: 11.43 min Scan# 2486
Delta R.T. 0.01 min
Lab File: AS010205.D
Acq: 2 Jan 2021 2:00 pm

Tgt Ion:117 Resp: 15736

Ion	Ratio	Lower	Upper
117	100		
119	96.9	75.8	115.8

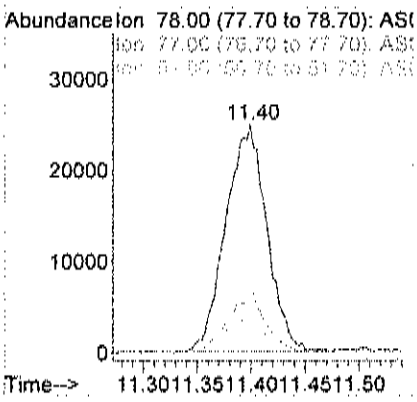


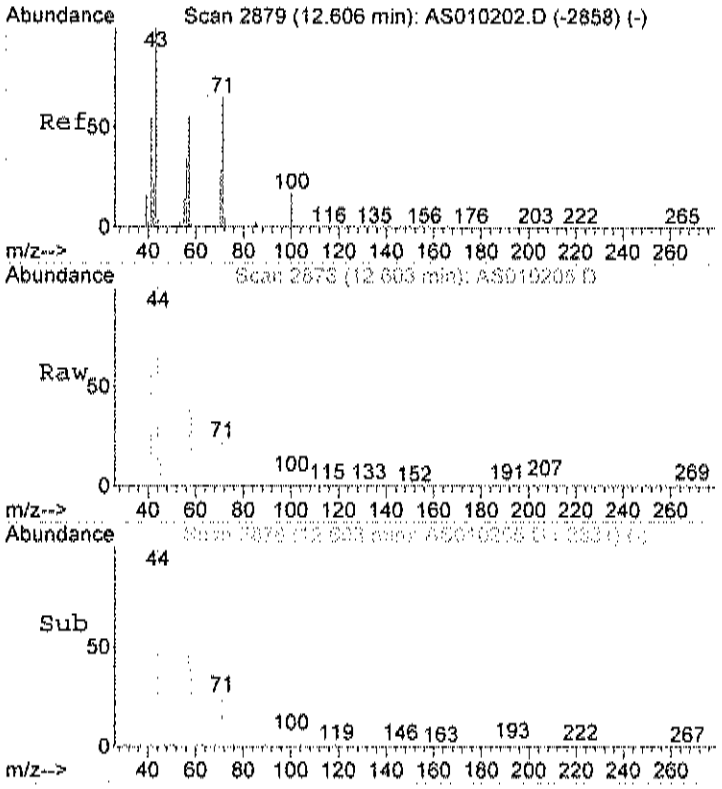


#39
Benzene
Concen: 0.26 ppb
RT: 11.40 min Scan# 2476
Delta R.T. 0.01 min
Lab File: AS010205.D
Acq: 2 Jan 2021 2:00 pm

Tgt Ion: 78 Resp: 65363

Ion	Ratio	Lower	Upper
78	100		
77	28.1	3.3	43.3
51	17.6	0.0	35.4

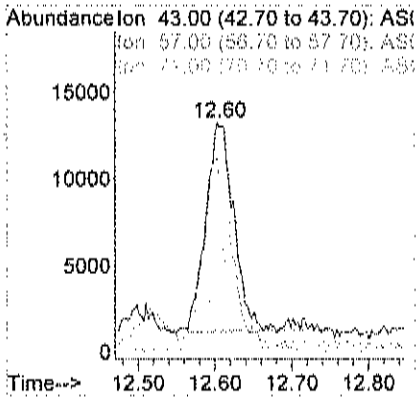


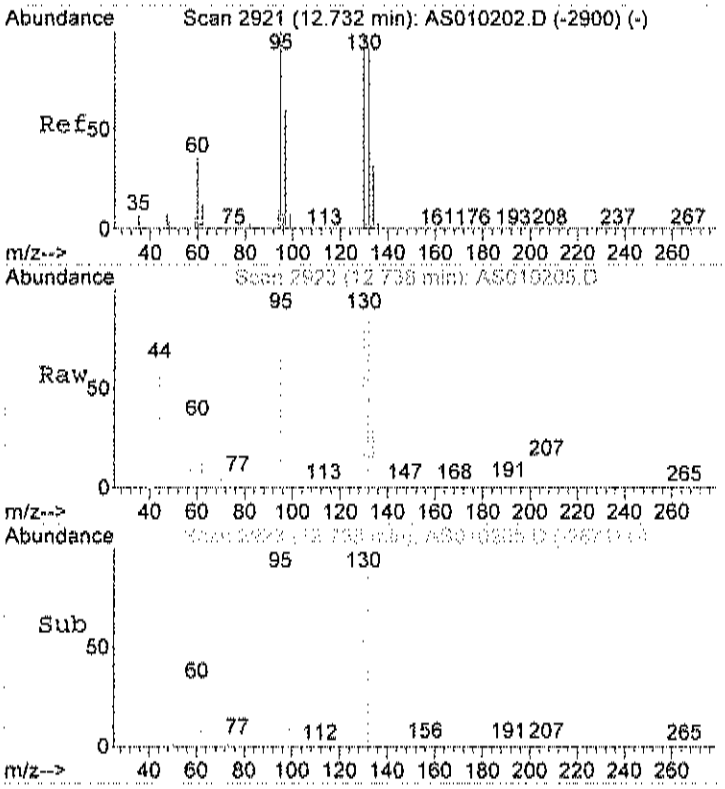


#43
Heptane
Concen: 0.24 ppb
RT: 12.60 min Scan# 2878
Delta R.T. -0.01 min
Lab File: AS010205.D
Acq: 2 Jan 2021 2:00 pm

Tgt Ion: 43 Resp: 31697

Ion	Ratio	Lower	Upper
43	100		
57	87.6	40.0	80.0#
71	40.8	46.8	86.8#

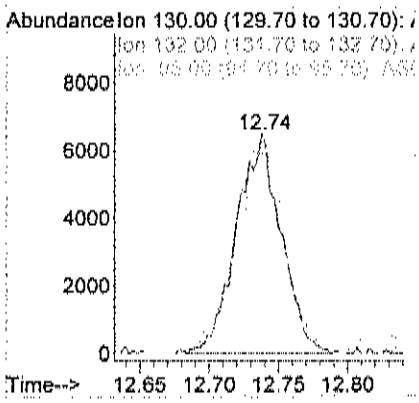


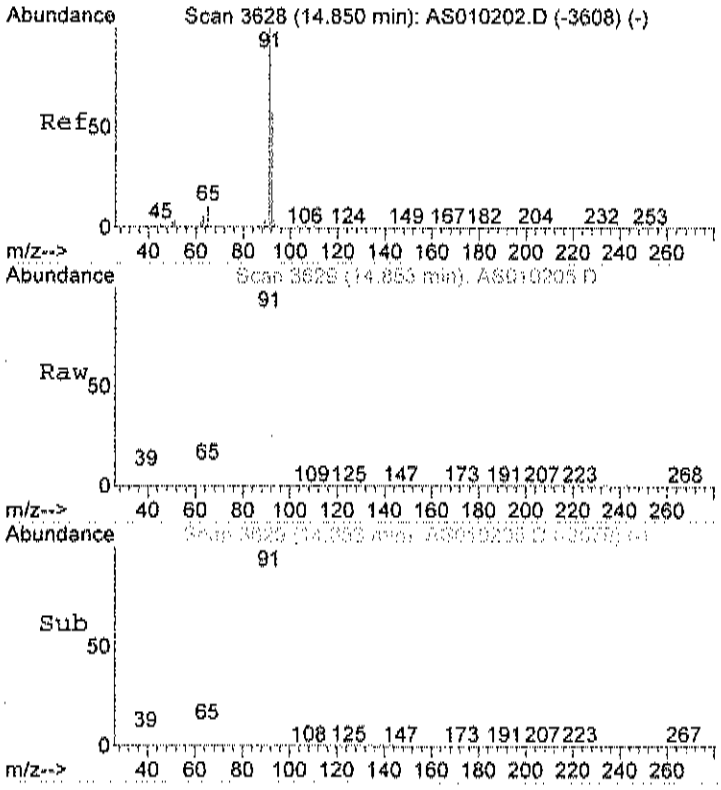


#44
Trichloroethene
Concen: 0.12 ppb
RT: 12.74 min Scan# 2923
Delta R.T. 0.01 min
Lab File: AS010205.D
Acq: 2 Jan 2021 2:00 pm

Tgt Ion:130 Resp: 14603

Ion	Ratio	Lower	Upper
130	100		
132	99.8	76.4	116.4
95	102.2	79.9	119.9

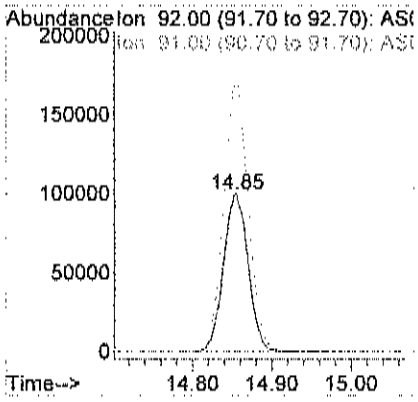


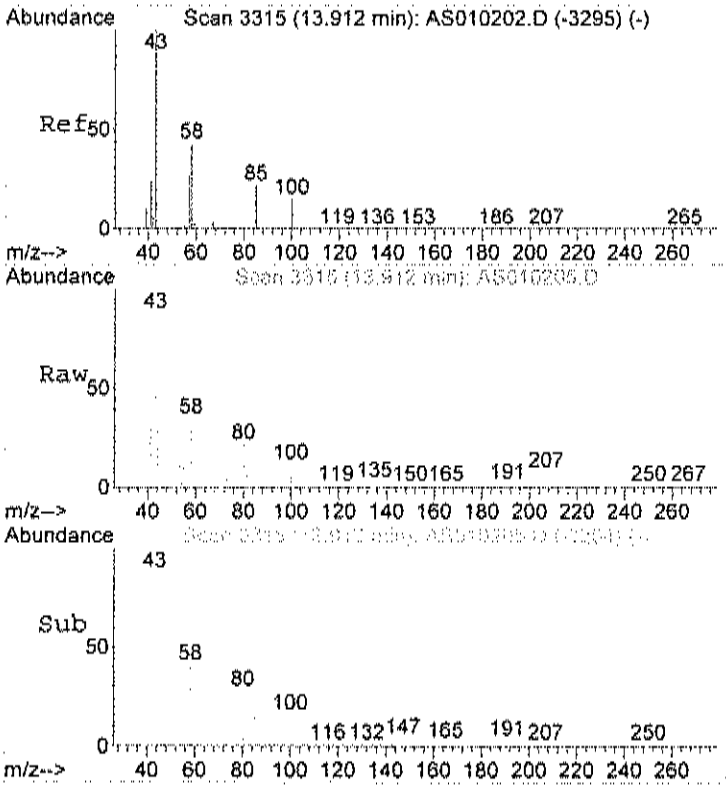


#51
Toluene
Concen: 1.14 ppb
RT: 14.85 min Scan# 3629
Delta R.T. -0.00 min
Lab File: AS010205.D
Acq: 2 Jan 2021 2:00 pm

Tgt Ion: 92 Resp: 216948

Ion	Ratio	Lower	Upper
92	100		
91	170.4	154.0	194.0

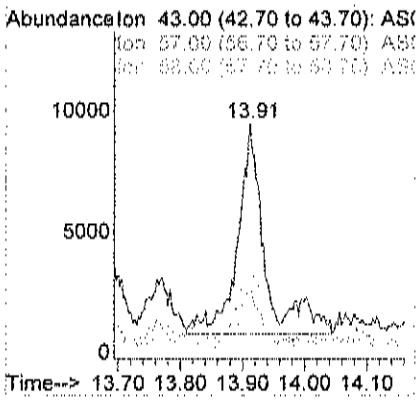


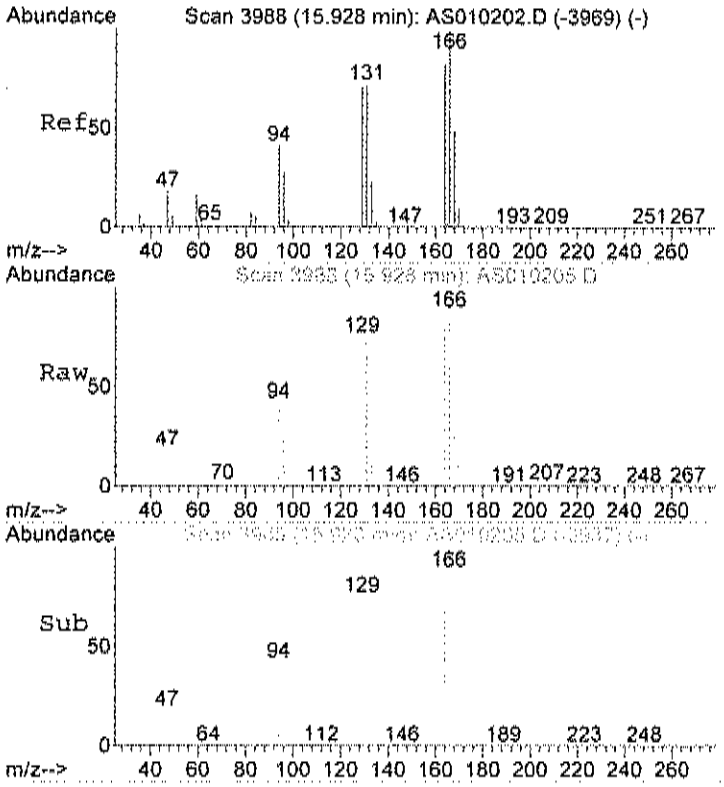


#52
Methyl Isobutyl Ketone
Concen: 0.16 ppb
RT: 13.91 min Scan# 3315
Delta R.T. 0.00 min
Lab File: AS010205.D
Acq: 2 Jan 2021 2:00 pm

Tgt Ion: 43 Resp: 26870

Ion	Ratio	Lower	Upper
43	100		
57	21.9	8.9	48.9
58	27.0	25.1	65.1

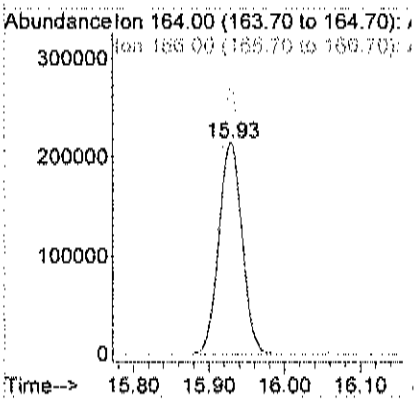


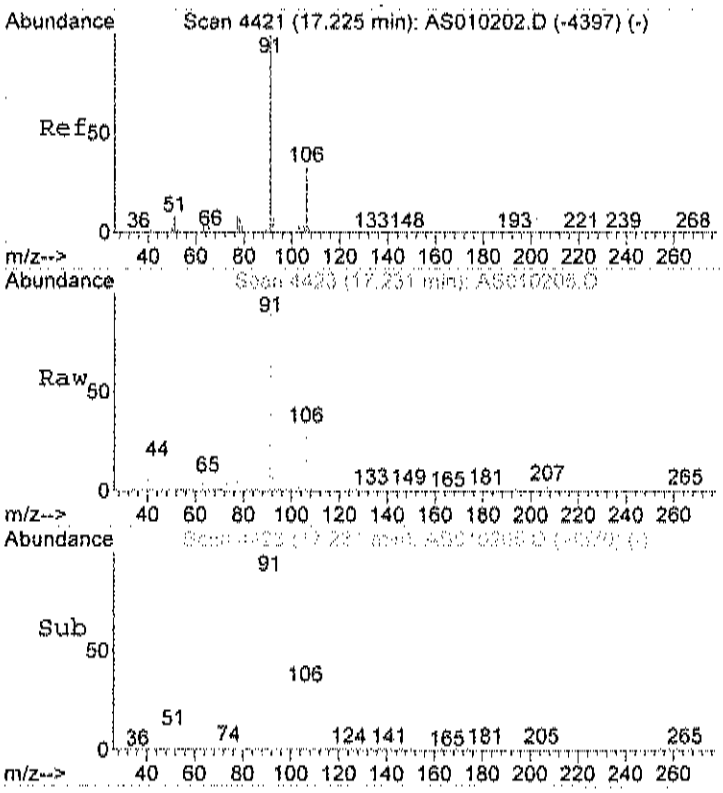


#56
Tetrachloroethylene
Concen: 3.55 ppb
RT: 15.93 min Scan# 3988
Delta R.T. 0.00 min
Lab File: AS010205.D
Acq: 2 Jan 2021 2:00 pm

Tgt Ion:164 Resp: 457496

Ion	Ratio	Lower	Upper
164	100		
166	126.5	110.5	150.5

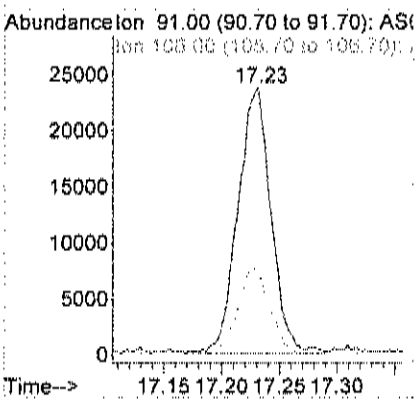


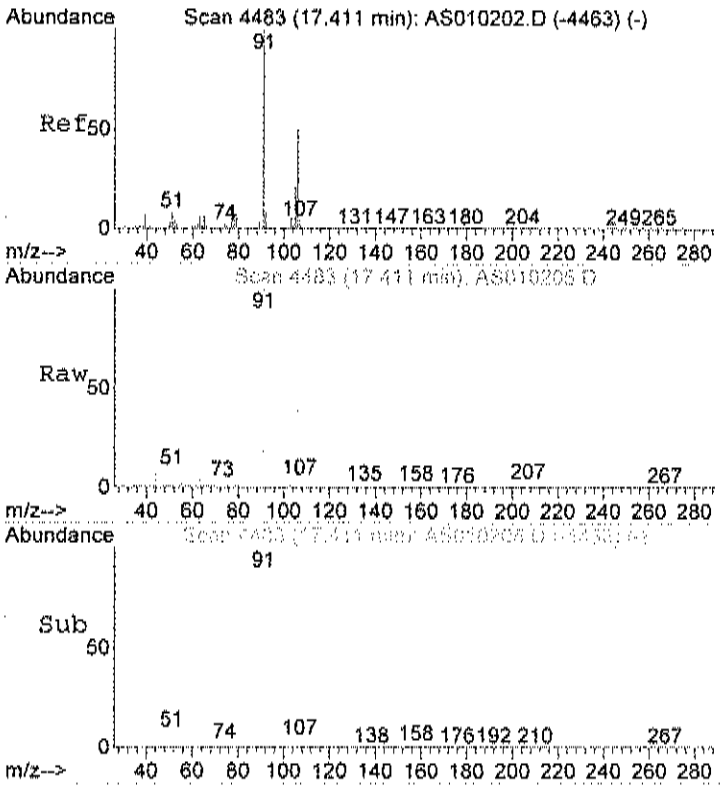


#58
Ethylbenzene
Concen: 0.11 ppb
RT: 17.23 min Scan# 4423
Delta R.T. 0.01 min
Lab File: AS010205.D
Acq: 2 Jan 2021 2:00 pm

Tgt Ion: 91 Resp: 46951

Ion	Ratio	Lower	Upper
91	100		
106	33.0	12.3	52.3

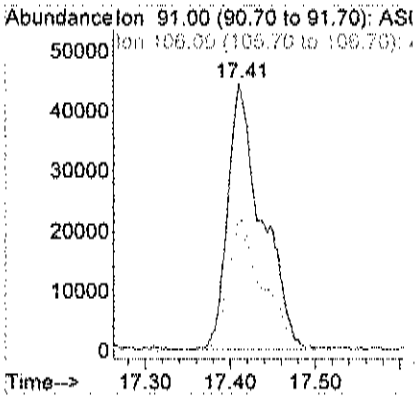


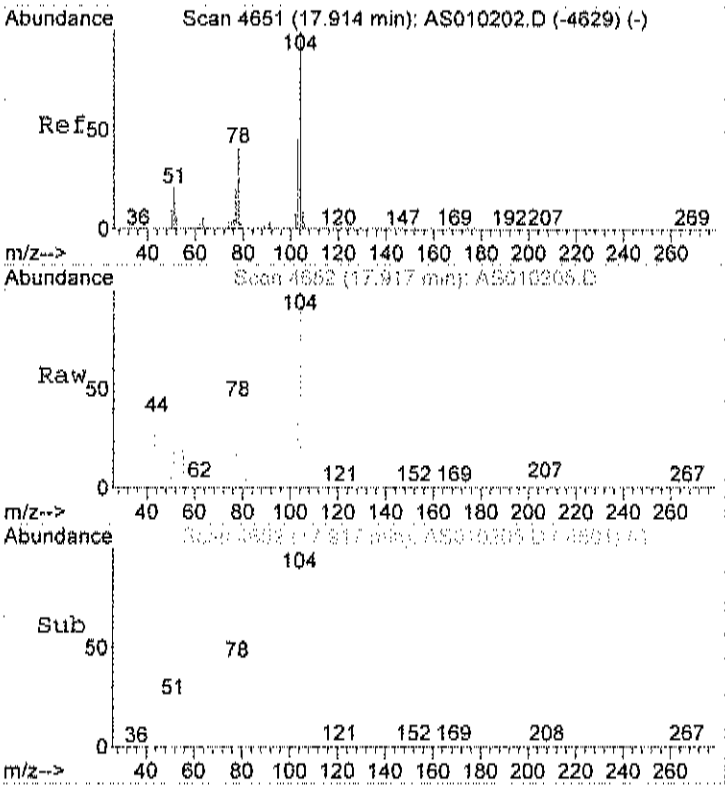


#59
m&p-xylene
Concen: 0.37 ppb
RT: 17.41 min Scan# 4483
Delta R.T. 0.00 min
Lab File: AS010205.D
Acq: 2 Jan 2021 2:00 pm

Tgt Ion: 91 Resp: 123878

Ion	Ratio	Lower	Upper
91	100		
106	50.0	30.4	70.4

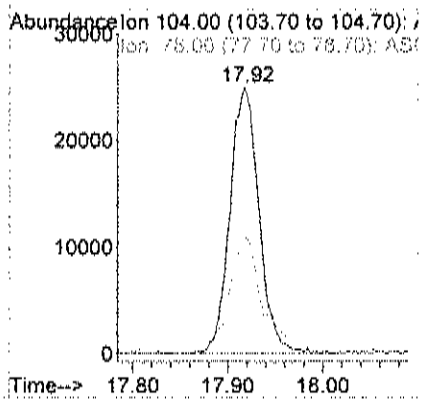


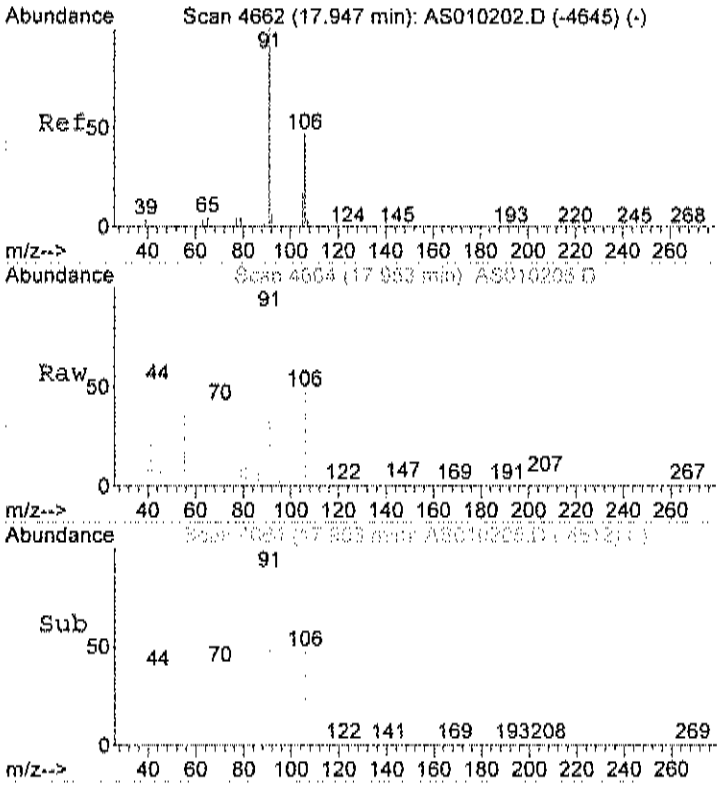


#61
Styrene
Concen: 0.21 ppb
RT: 17.92 min Scan# 4652
Delta R.T. 0.00 min
Lab File: AS010205.D
Acq: 2 Jan 2021 2:00 pm

Tgt Ion:104 Resp: 53595

Ion	Ratio	Lower	Upper
104	100		
78	48.2	28.5	68.5

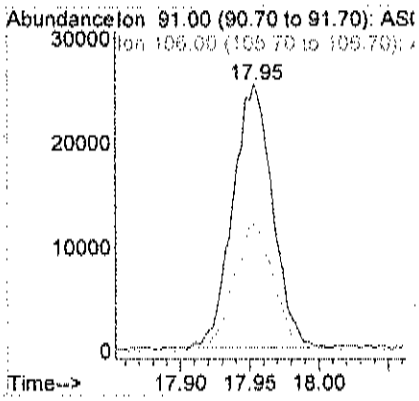


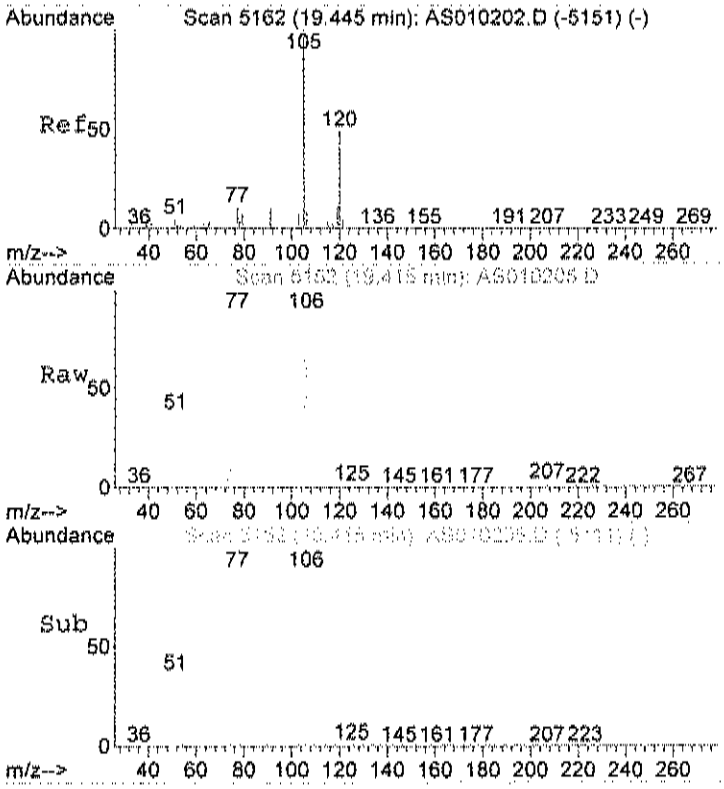


#63
o-xylene
Concen: 0.15 ppb
RT: 17.95 min Scan# 4664
Delta R.T. 0.01 min
Lab File: AS010205.D
Acq: 2 Jan 2021 2:00 pm

Tgt Ion: 91 Resp: 51088

Ion	Ratio	Lower	Upper
91	100		
106	48.8	28.2	68.2

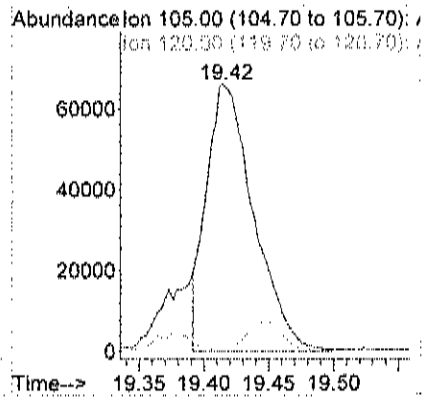


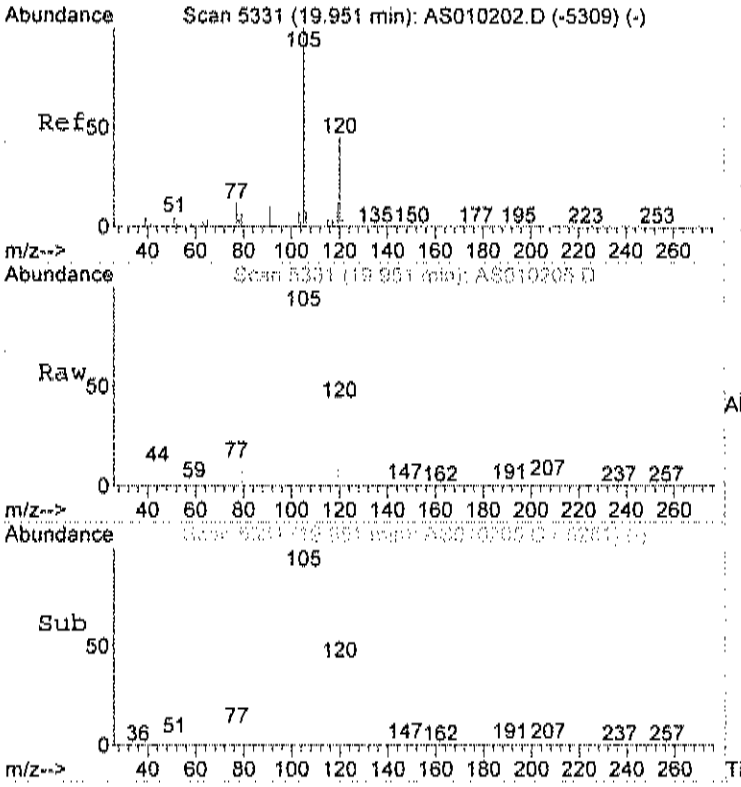


#70
1,3,5-trimethylbenzene
Concen: 0.41 ppb m
RT: 19.42 min Scan# 5152
Delta R.T. -0.03 min
Lab File: AS010205.D
Acq: 2 Jan 2021 2:00 pm

Tgt Ion:105 Resp: 168077

Ion	Ratio	Lower	Upper
105	100		
120	8.6	14.6	54.6#

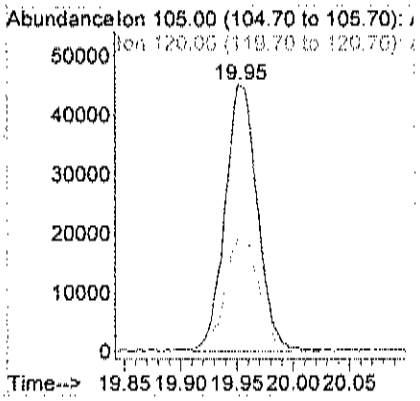




#71
1,2,4-trimethylbenzene
Concen: 0.22 ppb
RT: 19.95 min Scan# 5331
Delta R.T. -0.00 min
Lab File: AS010205.D
Acq: 2 Jan 2021 2:00 pm

Tgt Ion:105 Resp: 90053

Ion	Ratio	Lower	Upper
105	100		
120	44.2	26.0	66.0



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AS010211.D Vial: 11
Acq On : 2 Jan 2021 7:08 pm Operator: RJP
Sample : C2012057-001A 10X Inst : MSD #1
Misc : A101_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jan 03 09:30:36 2021 Quant Results File: A101_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A101_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Sat Jan 02 10:49:46 2021
Response via : Initial Calibration
DataAcq Meth : 1UG_ENT

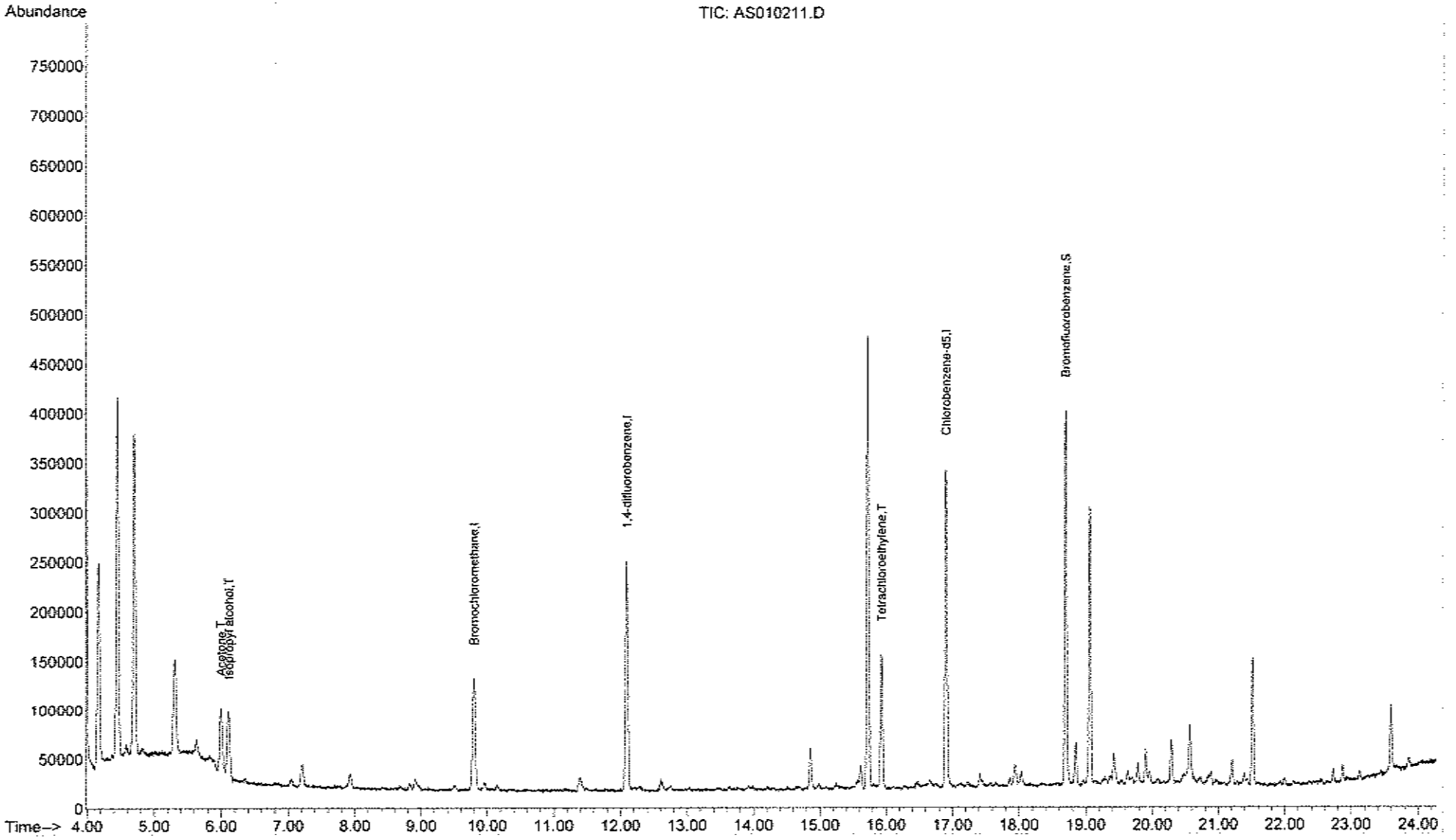
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	9.79	128	54360	1.00	ppb	0.01
35) 1,4-difluorobenzene	12.09	114	270146	1.00	ppb	0.00
50) Chlorobenzene-d5	16.91	117	241660	1.00	ppb	0.00
System Monitoring Compounds						
65) Bromofluorobenzene	18.70	95	173716	0.97	ppb	0.00
Spiked Amount 1.000	Range 70 - 130		Recovery = 97.00%			
Target Compounds						Qvalue
15) Acetone	6.00	58	48458	1.57	ppb	# 43
17) Isopropyl alcohol	6.10	45	78728	1.11	ppb	# 1
56) Tetrachloroethylene	15.93	164	40490	0.35	ppb	97

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AS010211.D Vial: 11
Acq On : 2 Jan 2021 7:08 pm Operator: RJP
Sample : C2012057-001A 10X Inst : MSD #1
Misc : A101_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jan 7 10:50 2021 Quant Results File: A101_1UG.RES

Method : C:\HPCHEM\1\METHODS\A101_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Tue Jan 12 09:46:09 2021
Response via : Initial Calibration



AS010211.D A101_1UG.M Tue Jan 12 09:47:47 2021 MSD1 Page 2

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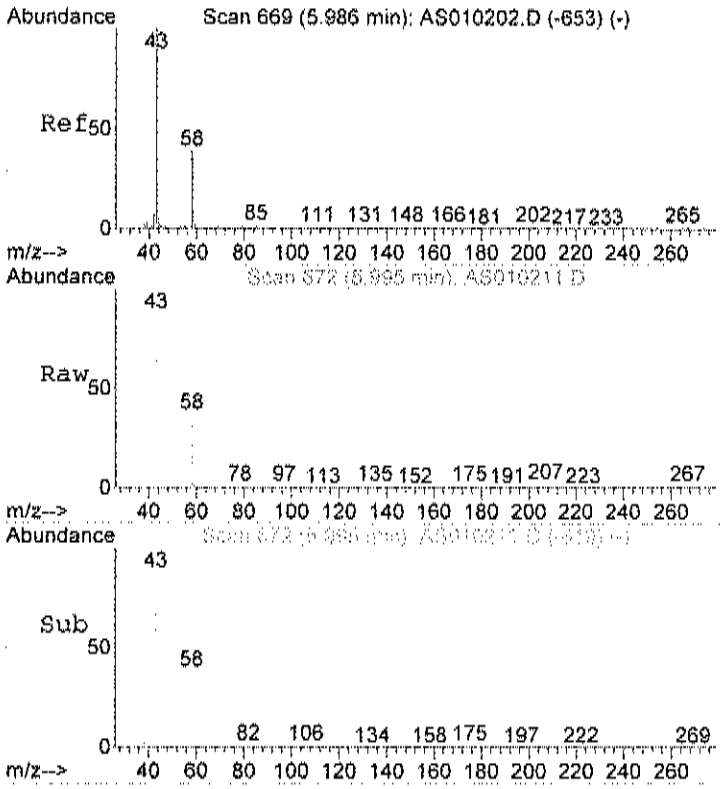
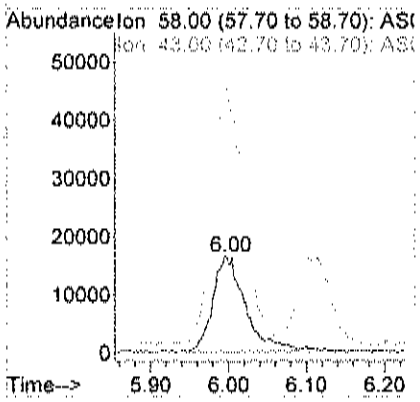
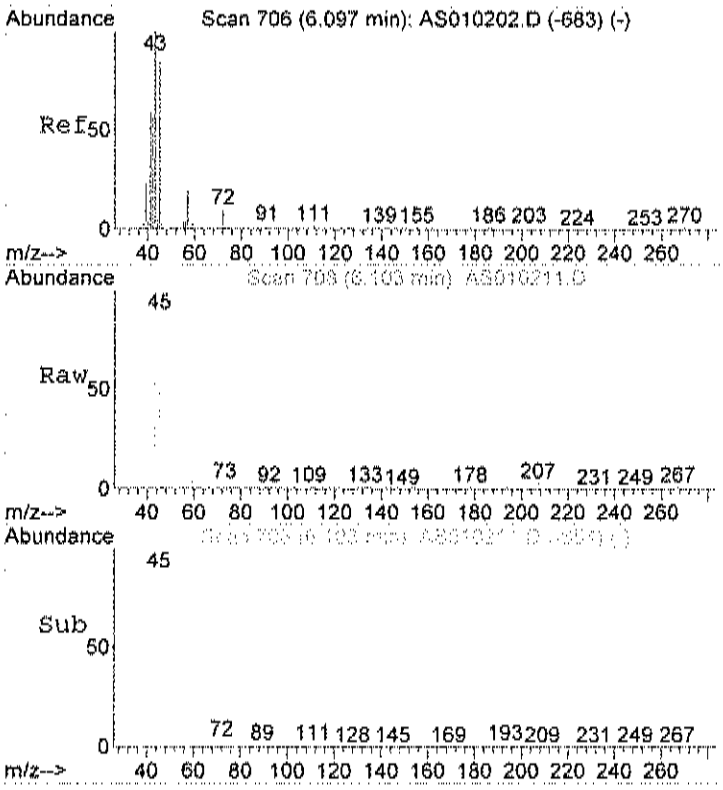


#15
Acetone
Concen: 1.57 ppb
RT: 6.00 min Scan# 672
Delta R.T. 0.01 min
Lab File: AS010211.D
Acq: 2 Jan 2021 7:08 pm

Tgt Ion: 58 Resp: 48458

Ion	Ratio	Lower	Upper
58	100		
43	317.6	195.2	255.2#

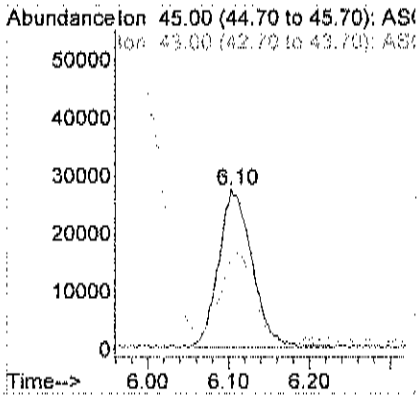


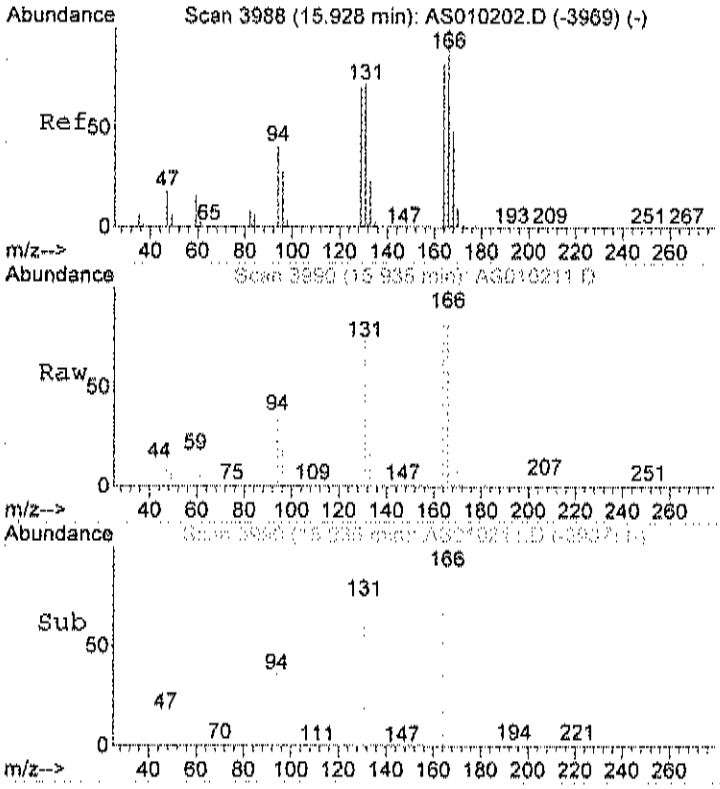


#17
Isopropyl alcohol
Concen: 1.11 ppb
RT: 6.10 min Scan# 708
Delta R.T. 0.01 min
Lab File: AS010211.D
Acq: 2 Jan 2021 7:08 pm

Tgt Ion: 45 Resp: 78728

Ion	Ratio	Lower	Upper
45	100		
43	0.0	103.4	143.4#

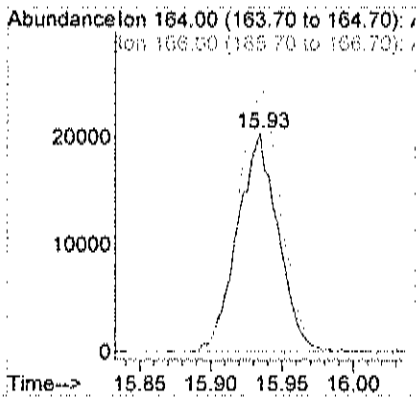




#56
Tetrachloroethylene
Concen: 0.35 ppb
RT: 15.93 min Scan# 3990
Delta R.T. 0.01 min
Lab File: AS010211.D
Acq: 2 Jan 2021 7:08 pm

Tgt Ion:164 Resp: 40490

Ion	Ratio	Lower	Upper
164	100		
166	127.0	110.5	150.5



Centek Laboratories, LLC

Date: *12-Jan-21*

CLIENT:	LaBella Associates, P.C.	**Client Sample ID:**	IA-02 (MS/MSD)
Lab Order:	C2012057	**Tag Number:**	1201,509
Project:	113-117 N Clinton SVI Heating Season	**Collection Date:**	12/29/2020
Lab ID:	C2012057-002A	**Matrix:**	AIR

Analyses	Result	DL	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		FLD				Analyst:
Lab Vacuum In	-7			"Hg		12/30/2020
Lab Vacuum Out	-30			"Hg		12/30/2020
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		TO-15				Analyst: RJP
1,1,1-Trichloroethane	< 0.15	0.15		ppbV	1	1/2/2021 2:45:00 PM
1,1,2,2-Tetrachloroethane	< 0.15	0.15		ppbV	1	1/2/2021 2:45:00 PM
1,1,2-Trichloroethane	< 0.15	0.15		ppbV	1	1/2/2021 2:45:00 PM
1,1-Dichloroethane	< 0.15	0.15		ppbV	1	1/2/2021 2:45:00 PM
1,1-Dichloroethene	< 0.040	0.040		ppbV	1	1/2/2021 2:45:00 PM
1,2,4-Trichlorobenzene	< 0.15	0.15		ppbV	1	1/2/2021 2:45:00 PM
1,2,4-Trimethylbenzene	0.21	0.15		ppbV	1	1/2/2021 2:45:00 PM
1,2-Dibromoethane	< 0.15	0.15		ppbV	1	1/2/2021 2:45:00 PM
1,2-Dichlorobenzene	< 0.15	0.15		ppbV	1	1/2/2021 2:45:00 PM
1,2-Dichloroethane	< 0.15	0.15		ppbV	1	1/2/2021 2:45:00 PM
1,2-Dichloropropane	< 0.15	0.15		ppbV	1	1/2/2021 2:45:00 PM
1,3,5-Trimethylbenzene	0.32	0.15		ppbV	1	1/2/2021 2:45:00 PM
1,3-butadiene	< 0.15	0.15		ppbV	1	1/2/2021 2:45:00 PM
1,3-Dichlorobenzene	< 0.15	0.15		ppbV	1	1/2/2021 2:45:00 PM
1,4-Dichlorobenzene	< 0.15	0.15		ppbV	1	1/2/2021 2:45:00 PM
1,4-Dioxane	< 0.30	0.30		ppbV	1	1/2/2021 2:45:00 PM
2,2,4-trimethylpentane	< 0.15	0.15		ppbV	1	1/2/2021 2:45:00 PM
4-ethyltoluene	< 0.15	0.15		ppbV	1	1/2/2021 2:45:00 PM
Acetone	12	3.0		ppbV	10	1/2/2021 7:51:00 PM
Allyl chloride	< 0.15	0.15		ppbV	1	1/2/2021 2:45:00 PM
Benzene	0.23	0.15		ppbV	1	1/2/2021 2:45:00 PM
Benzyl chloride	< 0.15	0.15		ppbV	1	1/2/2021 2:45:00 PM
Bromodichloromethane	< 0.15	0.15		ppbV	1	1/2/2021 2:45:00 PM
Bromoform	< 0.15	0.15		ppbV	1	1/2/2021 2:45:00 PM
Bromomethane	< 0.15	0.15		ppbV	1	1/2/2021 2:45:00 PM
Carbon disulfide	< 0.15	0.15		ppbV	1	1/2/2021 2:45:00 PM
Carbon tetrachloride	0.080	0.030		ppbV	1	1/2/2021 2:45:00 PM
Chlorobenzene	< 0.15	0.15		ppbV	1	1/2/2021 2:45:00 PM
Chloroethane	< 0.15	0.15		ppbV	1	1/2/2021 2:45:00 PM
Chloroform	0.40	0.15		ppbV	1	1/2/2021 2:45:00 PM
Chloromethane	< 0.15	0.15		ppbV	1	1/2/2021 2:45:00 PM
cis-1,2-Dichloroethene	< 0.040	0.040		ppbV	1	1/2/2021 2:45:00 PM
cis-1,3-Dichloropropene	< 0.15	0.15		ppbV	1	1/2/2021 2:45:00 PM
Cyclohexane	< 0.15	0.15		ppbV	1	1/2/2021 2:45:00 PM
Dibromochloromethane	< 0.15	0.15		ppbV	1	1/2/2021 2:45:00 PM
Ethyl acetate	0.34	0.15		ppbV	1	1/2/2021 2:45:00 PM

Qualifiers:

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

Centek Laboratories, LLC

Date: *12-Jan-21*

CLIENT:	LaBella Associates, P.C.	**Client Sample ID:**	IA-02 (MS/MSD)
Lab Order:	C2012057	**Tag Number:**	1201,509
Project:	113-117 N Clinton SVI Heating Season	**Collection Date:**	12/29/2020
Lab ID:	C2012057-002A	**Matrix:**	AIR

Analyses	Result	DL	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		**TO-15**				Analyst: RJP
Ethylbenzene	0.11	0.15	J	ppbV	1	1/2/2021 2:45:00 PM
Freon 11	0.24	0.15		ppbV	1	1/2/2021 2:45:00 PM
Freon 113	< 0.15	0.15		ppbV	1	1/2/2021 2:45:00 PM
Freon 114	< 0.15	0.15		ppbV	1	1/2/2021 2:45:00 PM
Freon 12	0.45	0.15		ppbV	1	1/2/2021 2:45:00 PM
Heptane	0.23	0.15		ppbV	1	1/2/2021 2:45:00 PM
Hexachloro-1,3-butadiene	< 0.15	0.15		ppbV	1	1/2/2021 2:45:00 PM
Hexane	0.21	0.15		ppbV	1	1/2/2021 2:45:00 PM
Isopropyl alcohol	11	1.5		ppbV	10	1/2/2021 7:51:00 PM
m&p-Xylene	0.38	0.30		ppbV	1	1/2/2021 2:45:00 PM
Methyl Butyl Ketone	< 0.30	0.30		ppbV	1	1/2/2021 2:45:00 PM
Methyl Ethyl Ketone	1.5	0.30		ppbV	1	1/2/2021 2:45:00 PM
Methyl Isobutyl Ketone	0.17	0.30	J	ppbV	1	1/2/2021 2:45:00 PM
Methyl tert-butyl ether	< 0.15	0.15		ppbV	1	1/2/2021 2:45:00 PM
Methylene chloride	0.68	0.15		ppbV	1	1/2/2021 2:45:00 PM
o-Xylene	0.14	0.15	J	ppbV	1	1/2/2021 2:45:00 PM
Propylene	< 0.15	0.15		ppbV	1	1/2/2021 2:45:00 PM
Styrene	0.21	0.15		ppbV	1	1/2/2021 2:45:00 PM
Tetrachloroethylene	3.4	1.5		ppbV	10	1/2/2021 7:51:00 PM
Tetrahydrofuran	0.46	0.15		ppbV	1	1/2/2021 2:45:00 PM
Toluene	1.1	0.15		ppbV	1	1/2/2021 2:45:00 PM
trans-1,2-Dichloroethene	< 0.15	0.15		ppbV	1	1/2/2021 2:45:00 PM
trans-1,3-Dichloropropene	< 0.15	0.15		ppbV	1	1/2/2021 2:45:00 PM
Trichloroethene	0.11	0.030		ppbV	1	1/2/2021 2:45:00 PM
Vinyl acetate	< 0.15	0.15		ppbV	1	1/2/2021 2:45:00 PM
Vinyl Bromide	< 0.15	0.15		ppbV	1	1/2/2021 2:45:00 PM
Vinyl chloride	< 0.040	0.040		ppbV	1	1/2/2021 2:45:00 PM
Surr: Bromofluorobenzene	98.0	47-124		%REC	1	1/2/2021 2:45:00 PM

Qualifiers:

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

Centek Laboratories, LLC

Date: *12-Jan-21*

CLIENT: LaBella Associates, P.C.
Client Sample ID: IA-02 (MS/MSD)
Lab Order: C2012057
Tag Number: 1201,509
Project: 113-117 N Clinton SVI Heating Season
Collection Date: 12/29/2020
Lab ID: C2012057-002A
Matrix: AIR

Analyses	Result	DL	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	< 0.82	0.82		ug/m3	1	1/2/2021 2:45:00 PM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		ug/m3	1	1/2/2021 2:45:00 PM
1,1,2-Trichloroethane	< 0.82	0.82		ug/m3	1	1/2/2021 2:45:00 PM
1,1-Dichloroethane	< 0.61	0.61		ug/m3	1	1/2/2021 2:45:00 PM
1,1-Dichloroethene	< 0.16	0.16		ug/m3	1	1/2/2021 2:45:00 PM
1,2,4-Trichlorobenzene	< 1.1	1.1		ug/m3	1	1/2/2021 2:45:00 PM
1,2,4-Trimethylbenzene	1.0	0.74		ug/m3	1	1/2/2021 2:45:00 PM
1,2-Dibromoethane	< 1.2	1.2		ug/m3	1	1/2/2021 2:45:00 PM
1,2-Dichlorobenzene	< 0.90	0.90		ug/m3	1	1/2/2021 2:45:00 PM
1,2-Dichloroethane	< 0.61	0.61		ug/m3	1	1/2/2021 2:45:00 PM
1,2-Dichloropropane	< 0.69	0.69		ug/m3	1	1/2/2021 2:45:00 PM
1,3,5-Trimethylbenzene	1.6	0.74		ug/m3	1	1/2/2021 2:45:00 PM
1,3-butadiene	< 0.33	0.33		ug/m3	1	1/2/2021 2:45:00 PM
1,3-Dichlorobenzene	< 0.90	0.90		ug/m3	1	1/2/2021 2:45:00 PM
1,4-Dichlorobenzene	< 0.90	0.90		ug/m3	1	1/2/2021 2:45:00 PM
1,4-Dioxane	< 1.1	1.1		ug/m3	1	1/2/2021 2:45:00 PM
2,2,4-trimethylpentane	< 0.70	0.70		ug/m3	1	1/2/2021 2:45:00 PM
4-ethyltoluene	< 0.74	0.74		ug/m3	1	1/2/2021 2:45:00 PM
Acetone	28	7.1		ug/m3	10	1/2/2021 7:51:00 PM
Allyl chloride	< 0.47	0.47		ug/m3	1	1/2/2021 2:45:00 PM
Benzene	0.73	0.48		ug/m3	1	1/2/2021 2:45:00 PM
Benzyl chloride	< 0.86	0.86		ug/m3	1	1/2/2021 2:45:00 PM
Bromodichloromethane	< 1.0	1.0		ug/m3	1	1/2/2021 2:45:00 PM
Bromoform	< 1.6	1.6		ug/m3	1	1/2/2021 2:45:00 PM
Bromomethane	< 0.58	0.58		ug/m3	1	1/2/2021 2:45:00 PM
Carbon disulfide	< 0.47	0.47		ug/m3	1	1/2/2021 2:45:00 PM
Carbon tetrachloride	0.50	0.19		ug/m3	1	1/2/2021 2:45:00 PM
Chlorobenzene	< 0.69	0.69		ug/m3	1	1/2/2021 2:45:00 PM
Chloroethane	< 0.40	0.40		ug/m3	1	1/2/2021 2:45:00 PM
Chloroform	2.0	0.73		ug/m3	1	1/2/2021 2:45:00 PM
Chloromethane	< 0.31	0.31		ug/m3	1	1/2/2021 2:45:00 PM
cis-1,2-Dichloroethene	< 0.16	0.16		ug/m3	1	1/2/2021 2:45:00 PM
cis-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	1/2/2021 2:45:00 PM
Cyclohexane	< 0.52	0.52		ug/m3	1	1/2/2021 2:45:00 PM
Dibromochloromethane	< 1.3	1.3		ug/m3	1	1/2/2021 2:45:00 PM
Ethyl acetate	1.2	0.54		ug/m3	1	1/2/2021 2:45:00 PM
Ethylbenzene	0.48	0.65	J	ug/m3	1	1/2/2021 2:45:00 PM
Freon 11	1.3	0.84		ug/m3	1	1/2/2021 2:45:00 PM
Freon 113	< 1.1	1.1		ug/m3	1	1/2/2021 2:45:00 PM
Freon 114	< 1.0	1.0		ug/m3	1	1/2/2021 2:45:00 PM

Qualifiers:

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

Centek Laboratories, LLC

Date: *12-Jan-21*

CLIENT:	LaBella Associates, P.C.	**Client Sample ID:**	IA-02 (MS/MSD)
Lab Order:	C2012057	**Tag Number:**	1201,509
Project:	113-117 N Clinton SVI Heating Season	**Collection Date:**	12/29/2020
Lab ID:	C2012057-002A	**Matrix:**	AIR

Analyses	Result	DL	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		**TO-15**				Analyst: RJP
Freon 12	2.2	0.74		ug/m3	1	1/2/2021 2:45:00 PM
Heptane	0.94	0.61		ug/m3	1	1/2/2021 2:45:00 PM
Hexachloro-1,3-butadiene	< 1.6	1.6		ug/m3	1	1/2/2021 2:45:00 PM
Hexane	0.74	0.53		ug/m3	1	1/2/2021 2:45:00 PM
Isopropyl alcohol	28	3.7		ug/m3	10	1/2/2021 7:51:00 PM
m&p-Xylene	1.6	1.3		ug/m3	1	1/2/2021 2:45:00 PM
Methyl Butyl Ketone	< 1.2	1.2		ug/m3	1	1/2/2021 2:45:00 PM
Methyl Ethyl Ketone	4.5	0.88		ug/m3	1	1/2/2021 2:45:00 PM
Methyl Isobutyl Ketone	0.70	1.2	J	ug/m3	1	1/2/2021 2:45:00 PM
Methyl tert-butyl ether	< 0.54	0.54		ug/m3	1	1/2/2021 2:45:00 PM
Methylene chloride	2.4	0.52		ug/m3	1	1/2/2021 2:45:00 PM
o-Xylene	0.61	0.65	J	ug/m3	1	1/2/2021 2:45:00 PM
Propylene	< 0.26	0.26		ug/m3	1	1/2/2021 2:45:00 PM
Styrene	0.89	0.64		ug/m3	1	1/2/2021 2:45:00 PM
Tetrachloroethylene	23	10		ug/m3	10	1/2/2021 7:51:00 PM
Tetrahydrofuran	1.4	0.44		ug/m3	1	1/2/2021 2:45:00 PM
Toluene	4.3	0.57		ug/m3	1	1/2/2021 2:45:00 PM
trans-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	1/2/2021 2:45:00 PM
trans-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	1/2/2021 2:45:00 PM
Trichloroethene	0.59	0.16		ug/m3	1	1/2/2021 2:45:00 PM
Vinyl acetate	< 0.53	0.53		ug/m3	1	1/2/2021 2:45:00 PM
Vinyl Bromide	< 0.66	0.66		ug/m3	1	1/2/2021 2:45:00 PM
Vinyl chloride	< 0.10	0.10		ug/m3	1	1/2/2021 2:45:00 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\AS010206.D Vial: 6
Acq On : 2 Jan 2021 2:45 pm Operator: RJP
Sample : C2012057-002A Inst : MSD #1
Misc : A101_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jan 03 09:30:31 2021 Quant Results File: A101_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A101_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Sat Jan 02 10:49:46 2021
Response via : Initial Calibration
DataAcq Meth : 1UG_ENT

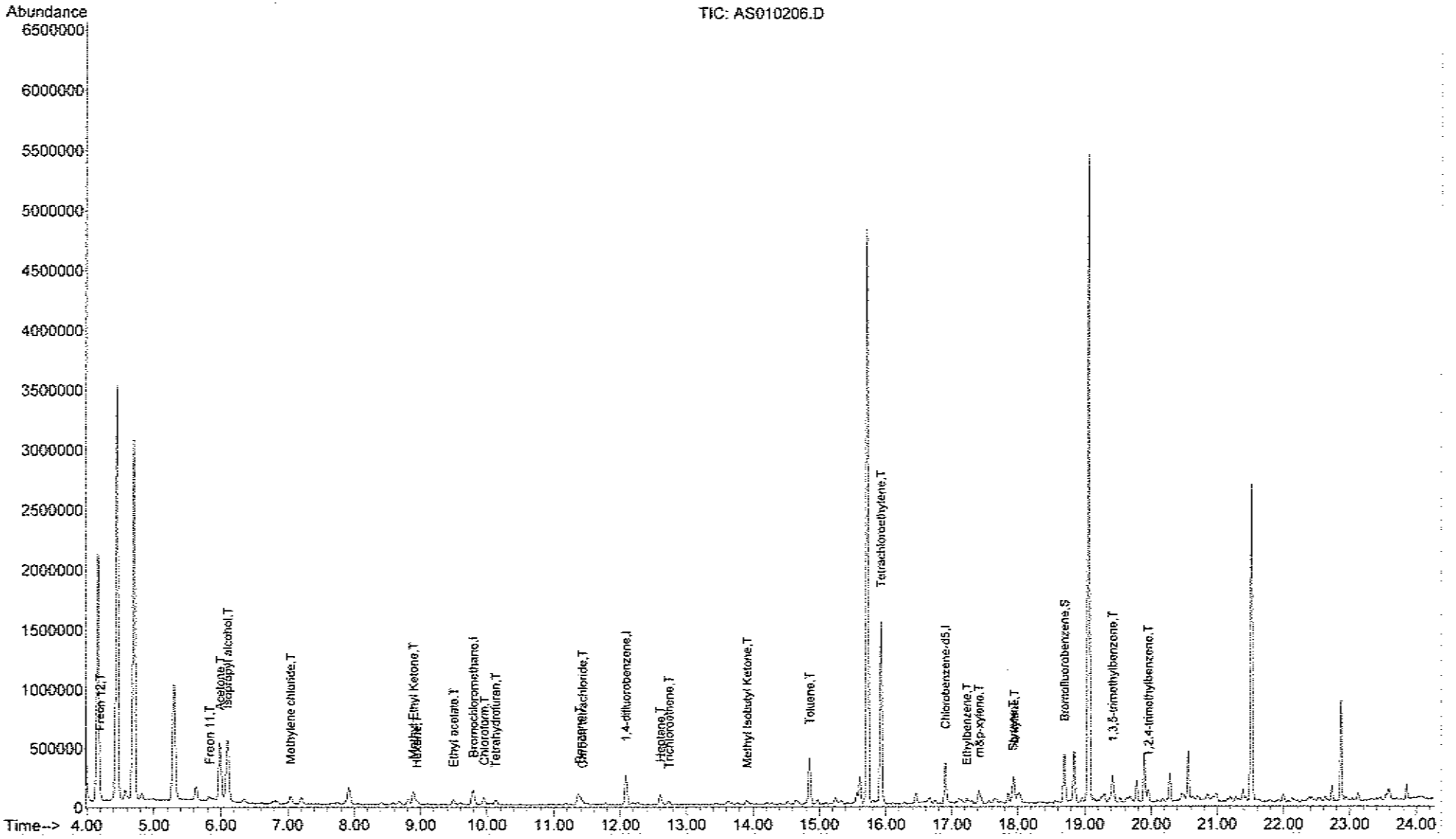
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	9.80	128	58605	1.00	ppb		0.02
35) 1,4-difluorobenzene	12.09	114	292859	1.00	ppb		0.00
50) Chlorobenzene-d5	16.90	117	259359	1.00	ppb		0.00
System Monitoring Compounds							
65) Bromofluorobenzene	18.69	95	187159	0.98	ppb		0.00
Spiked Amount 1.000	Range 70 - 130		Recovery = 98.00%				
Target Compounds							Qvalue
3) Freon 12	4.20	85	87307	0.45	ppb		99
14) Freon 11	5.83	101	48126	0.24	ppb		97
15) Acetone	5.98	58	332126	9.96	ppb	#	25
17) Isopropyl alcohol	6.09	45	548052	7.20	ppb	#	1
21) Methylene chloride	7.04	84	49902	0.68	ppb		90
28) Methyl Ethyl Ketone	8.89	72	59741	1.52	ppb	#	100
30) Hexane	8.95	57	26397m	0.21	ppb		
31) Ethyl acetate	9.50	43	75250	0.34	ppb		99
32) Chloroform	9.95	83	70043	0.40	ppb		97
33) Tetrahydrofuran	10.12	42	33634	0.46	ppb		98
38) Carbon tetrachloride	11.44	117	14372	0.08	ppb		97
39) Benzene	11.39	78	58026	0.23	ppb		96
43) Heptane	12.60	43	29223	0.23	ppb	#	67
44) Trichloroethene	12.74	130	14138	0.11	ppb		97
51) Toluene	14.86	92	209174	1.13	ppb		98
52) Methyl Isobutyl Ketone	13.91	43	28312	0.17	ppb		95
56) Tetrachloroethylene	15.93	164	457535	3.63	ppb		98
58) Ethylbenzene	17.23	91	45435	0.11	ppb		99
59) m&p-xylene	17.41	91	121570	0.38	ppb		100
61) Styrene	17.91	104	53938	0.21	ppb		99
63) o-xylene	17.95	91	49018	0.14	ppb		99
70) 1,3,5-trimethylbenzene	19.42	105	124838m	0.32	ppb		
71) 1,2,4-trimethylbenzene	19.95	105	83973	0.21	ppb		99

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AS010206.D Vial: 6
Acq On : 2 Jan 2021 2:45 pm Operator: RJP
Sample : C2012057-002A Inst : MSD #1
Misc : A101_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jan 7 10:42 2021 Quant Results File: A101_1UG.RES

Method : C:\HPCHEM\1\METHODS\A101_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Tue Jan 12 09:46:09 2021
Response via : Initial Calibration



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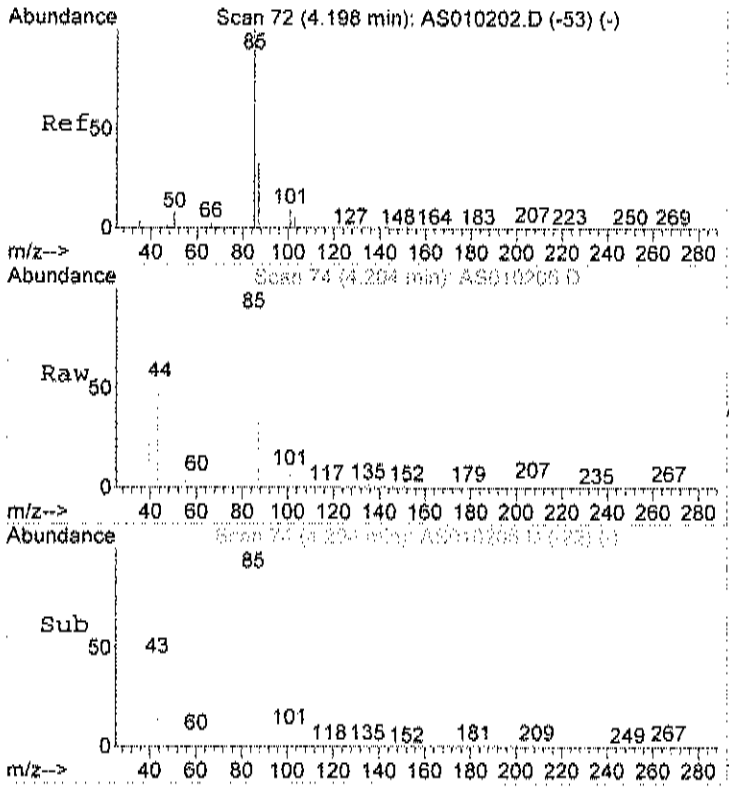
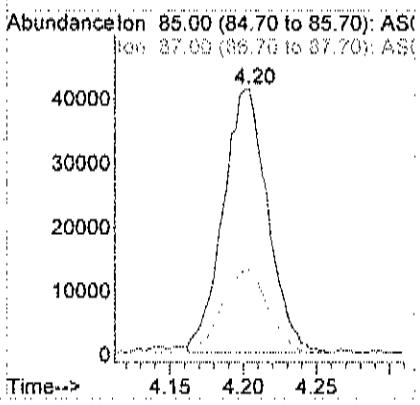
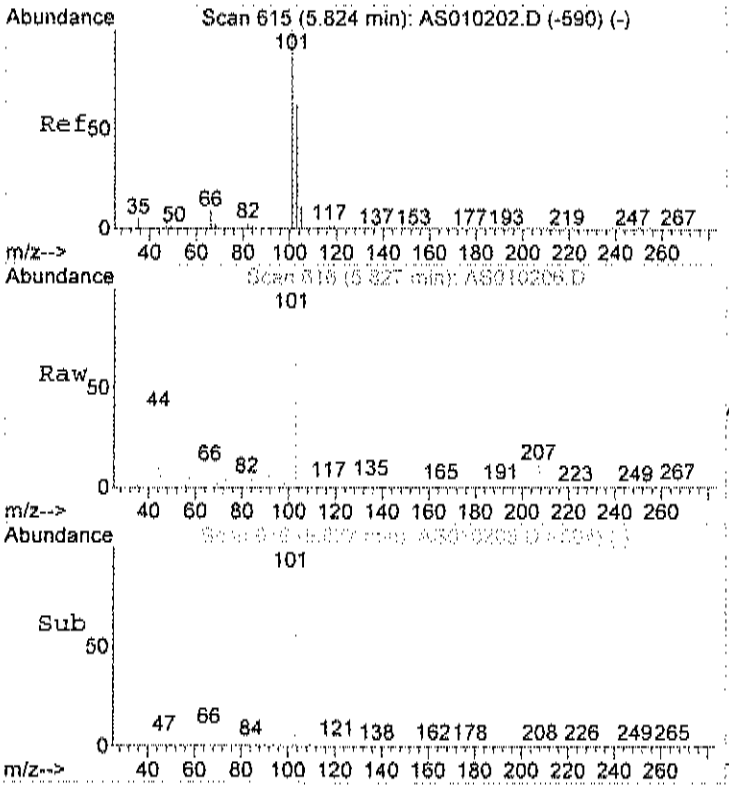


#3
Freon 12
Concen: 0.45 ppb
RT: 4.20 min Scan# 74
Delta R.T. 0.01 min
Lab File: AS010206.D
Acq: 2 Jan 2021 2:45 pm

Tgt Ion: 85 Resp: 87307

Ion	Ratio	Lower	Upper
85	100		
87	34.3	14.0	54.0

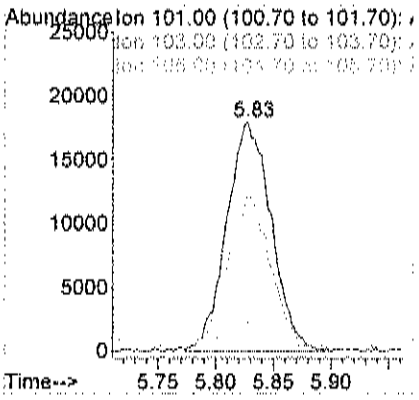


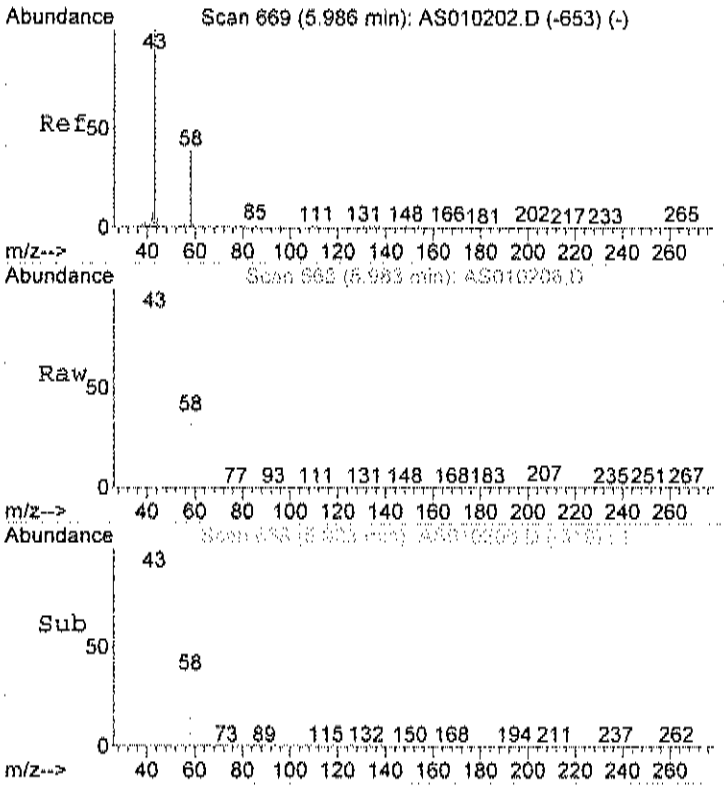


#14
Freon 11
Concen: 0.24 ppb
RT: 5.83 min Scan# 616
Delta R.T. 0.01 min
Lab File: AS010206.D
Acq: 2 Jan 2021 2:45 pm

Tgt Ion:101 Resp: 48126

Ion	Ratio	Lower	Upper
101	100		
103	66.0	44.1	84.1
105	13.1	0.0	31.3

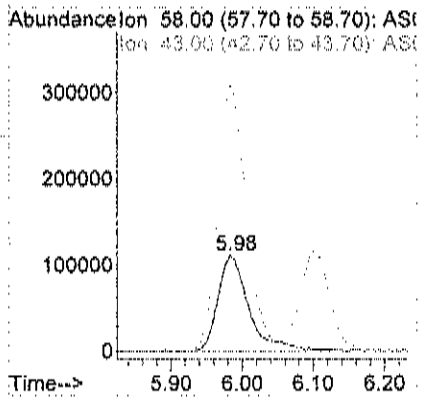


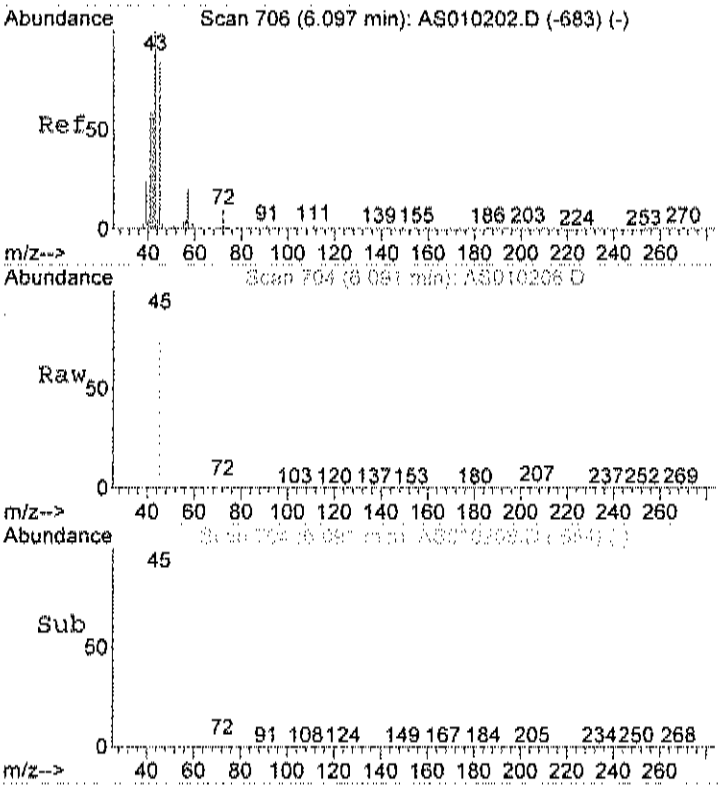


#15
Acetone
Concen: 9.96 ppb
RT: 5.98 min Scan# 668
Delta R.T. -0.00 min
Lab File: AS010206.D
Acq: 2 Jan 2021 2:45 pm

Tgt Ion: 58 Resp: 332126

Ion	Ratio	Lower	Upper
58	100		
43	348.1	195.2	255.2#

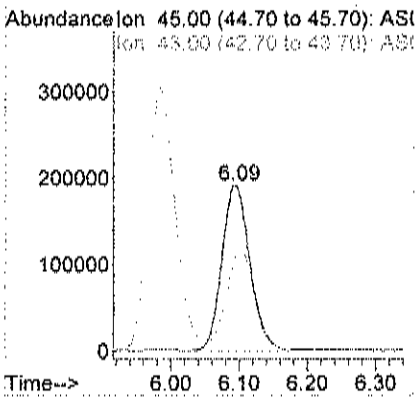


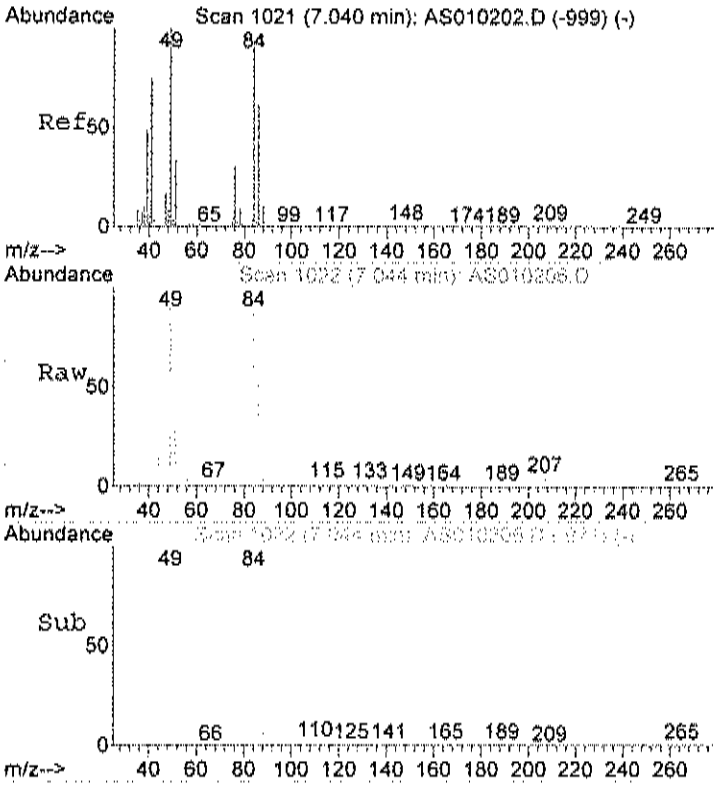


#17
Isopropyl alcohol
Concen: 7.20 ppb
RT: 6.09 min Scan# 704
Delta R.T. 0.00 min
Lab File: AS010206.D
Acq: 2 Jan 2021 2:45 pm

Tgt Ion: 45 Resp: 548052

Ion	Ratio	Lower	Upper
45	100		
43	0.0	103.4	143.4#

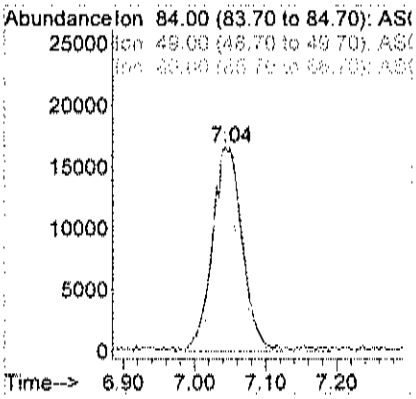


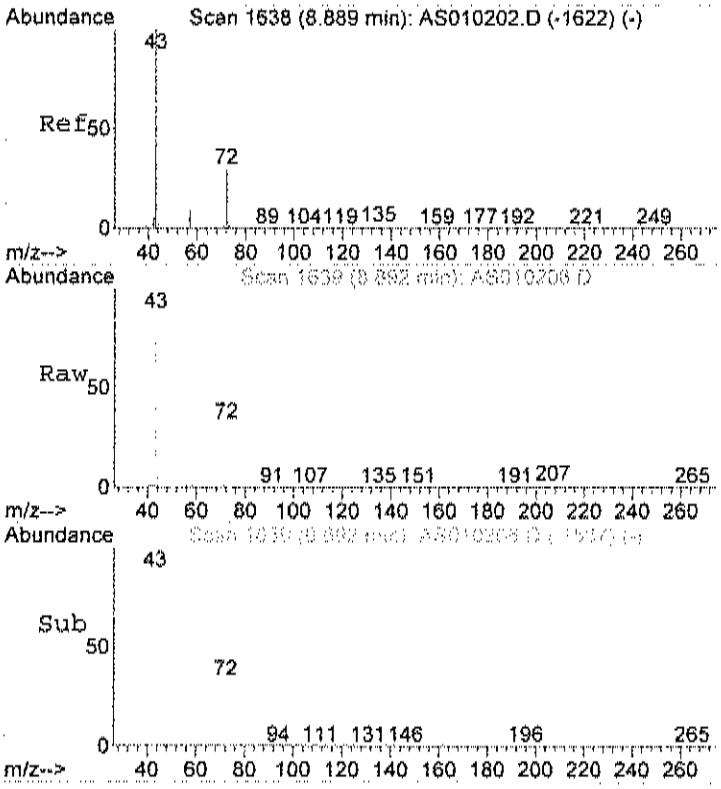


#21
Methylene chloride
Concen: 0.68 ppb
RT: 7.04 min Scan# 1022
Delta R.T. 0.00 min
Lab File: AS010206.D
Acq: 2 Jan 2021 2:45 pm

Tgt Ion: 84 Resp: 49902

Ion	Ratio	Lower	Upper
84	100		
49	101.6	94.8	134.8
86	61.2	46.1	86.1

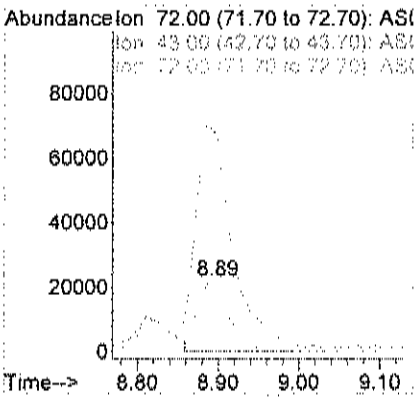


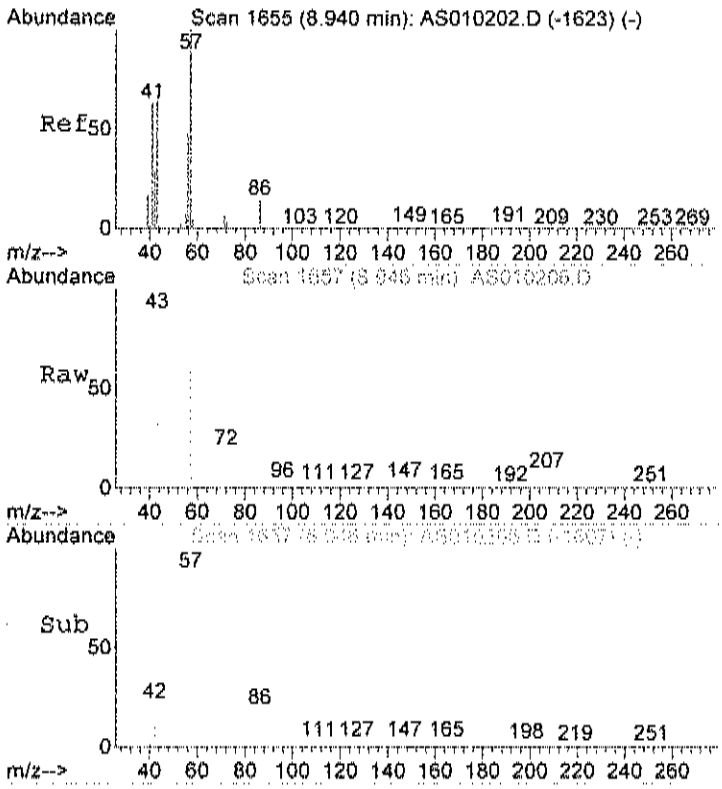


#28
Methyl Ethyl Ketone
Concen: 1.52 ppb
RT: 8.89 min Scan# 1639
Delta R.T. 0.01 min
Lab File: AS010206.D
Acq: 2 Jan 2021 2:45 pm

Tgt Ion: 72 Resp: 59741

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

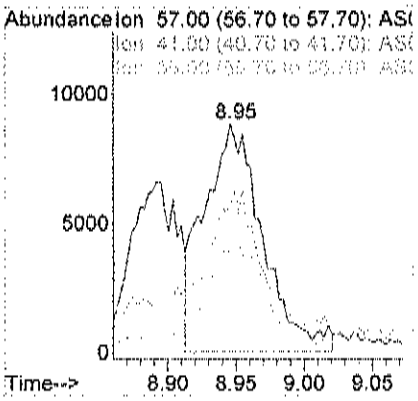


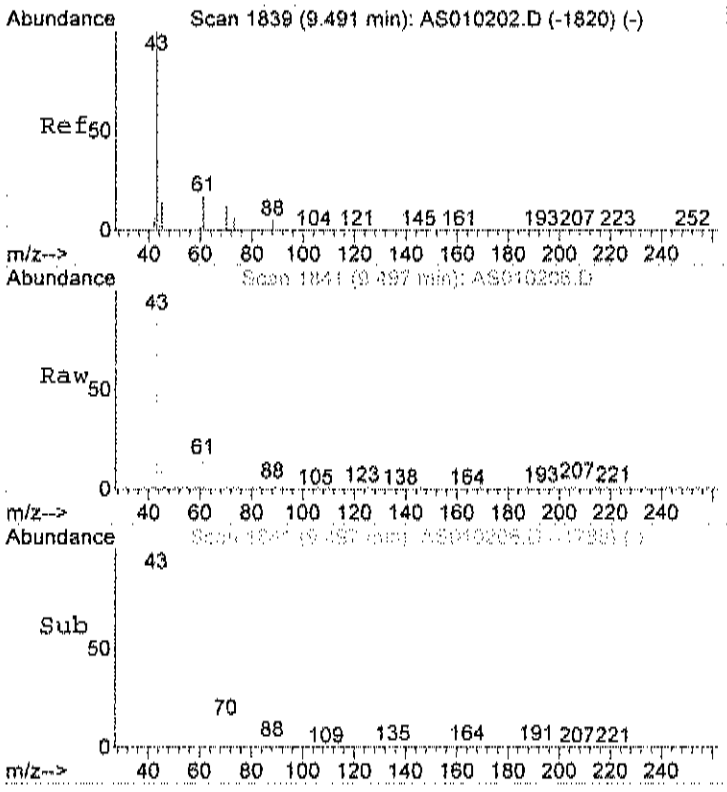


#30
Hexane
Concen: 0.21 ppb m
RT: 8.95 min Scan# 1657
Delta R.T. 0.00 min
Lab File: AS010206.D
Acq: 2 Jan 2021 2:45 pm

Tgt Ion: 57 Resp: 26397

Ion	Ratio	Lower	Upper
57	100		
41	72.2	41.3	81.3
56	41.0	28.7	68.7

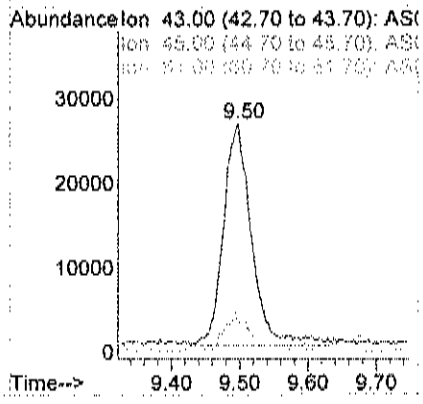


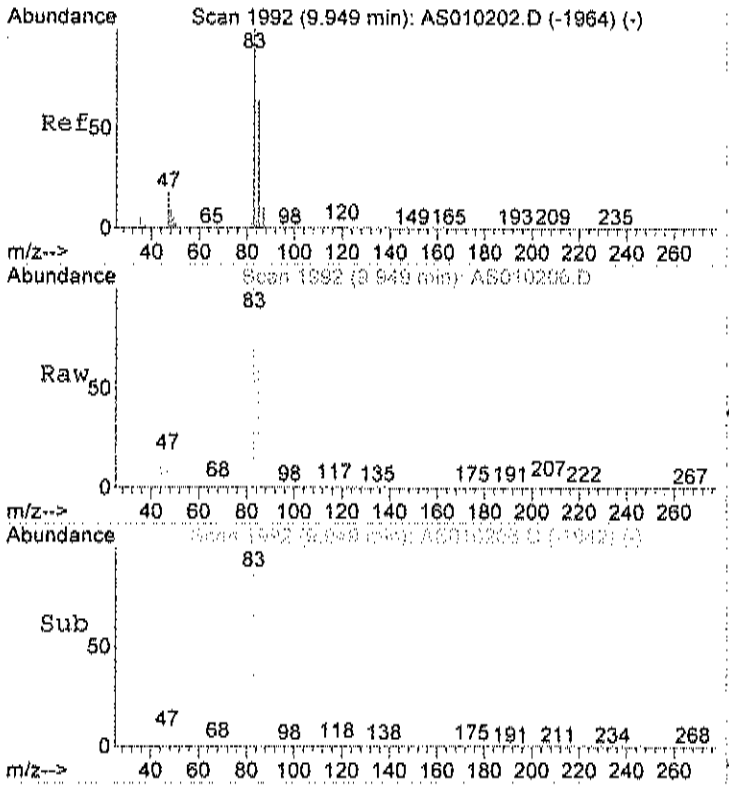


#31
Ethyl acetate
Concen: 0.34 ppb
RT: 9.50 min Scan# 1841
Delta R.T. 0.01 min
Lab File: AS010206.D
Acq: 2 Jan 2021 2:45 pm

Tgt Ion: 43 Resp: 75250

Ion	Ratio	Lower	Upper
43	100		
45	15.2	0.0	35.3
61	17.7	0.0	37.2

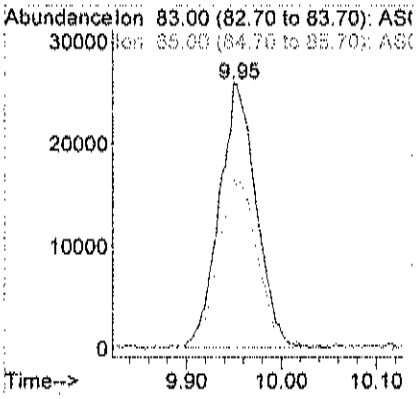


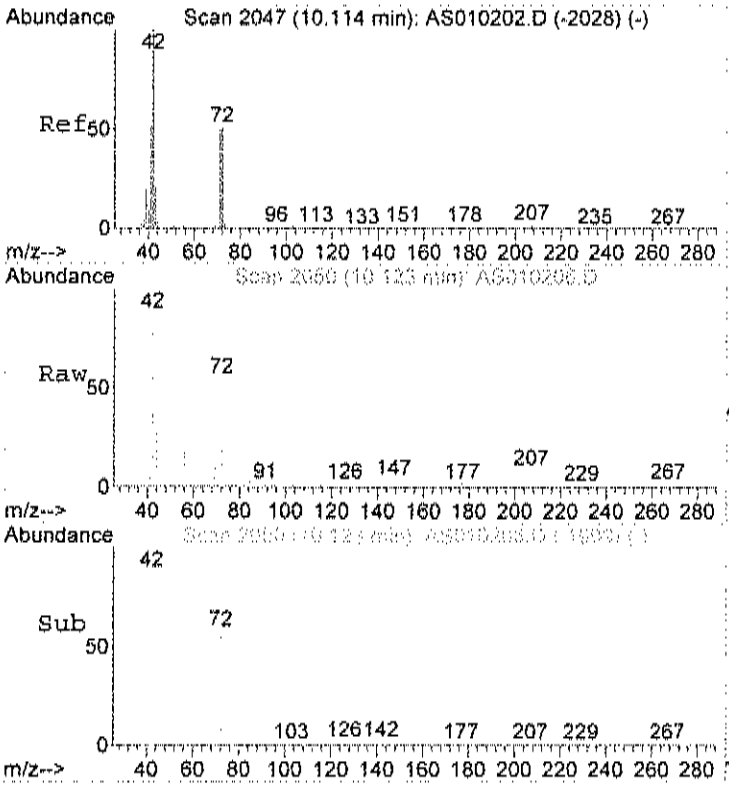


#32
Chloroform
Concen: 0.40 ppb
RT: 9.95 min Scan# 1992
Delta R.T. 0.00 min
Lab File: AS010206.D
Acq: 2 Jan 2021 2:45 pm

Tgt Ion: 83 Resp: 70043

Ion	Ratio	Lower	Upper
83	100		
85	67.4	45.4	85.4

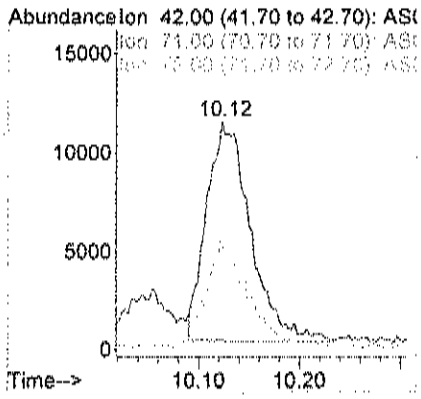


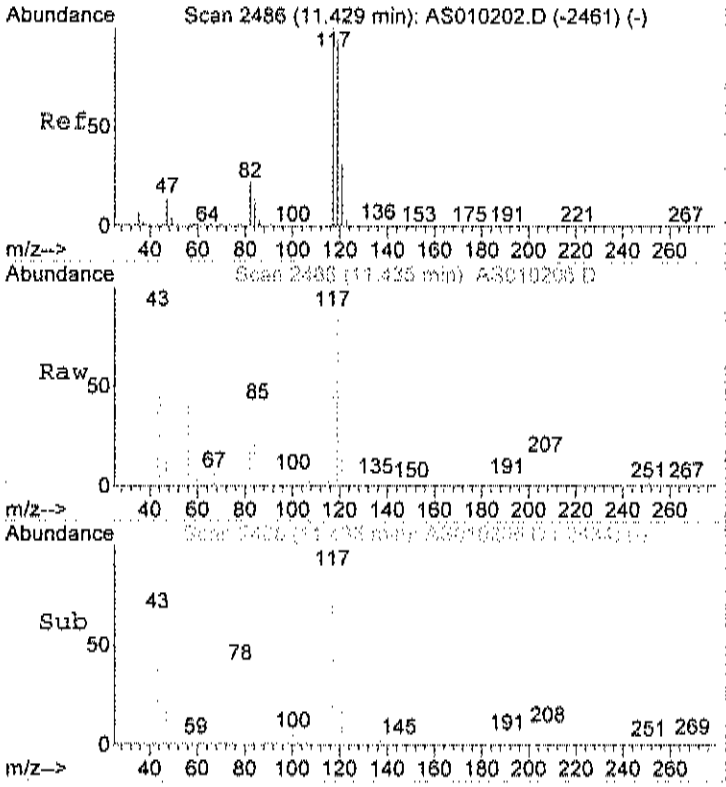


#33
Tetrahydrofuran
Concen: 0.46 ppb
RT: 10.12 min Scan# 2050
Delta R.T. 0.00 min
Lab File: AS010206.D
Acq: 2 Jan 2021 2:45 pm

Tgt Ion: 42 Resp: 33634

Ion	Ratio	Lower	Upper
42	100		
71	50.4	32.7	72.7
72	50.8	31.1	71.1

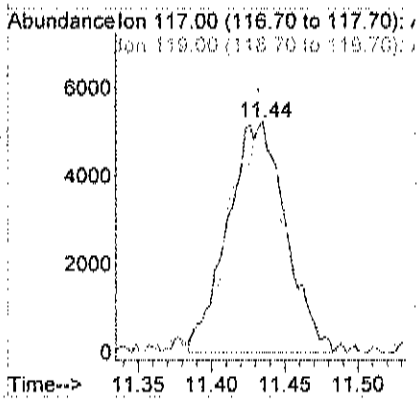


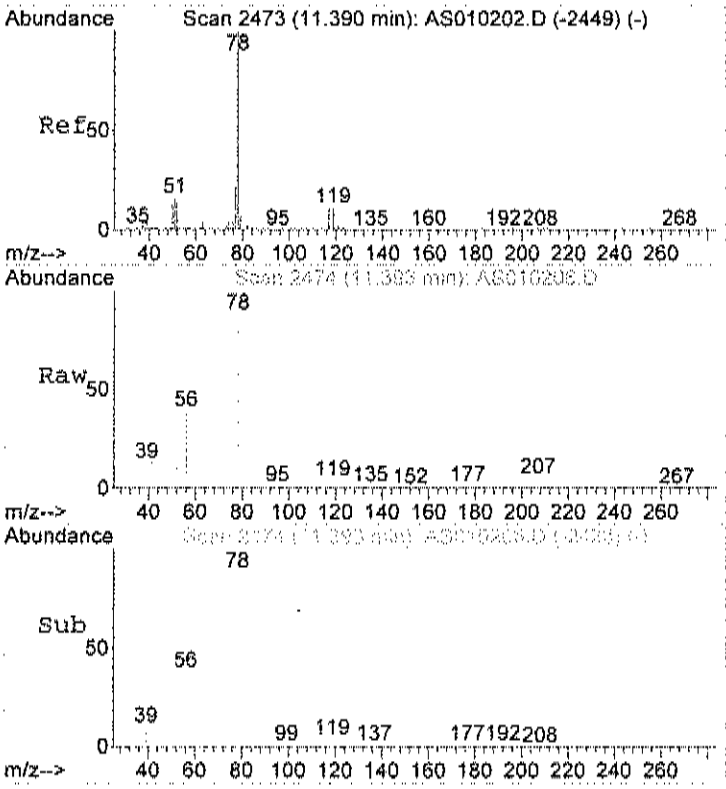


#38
Carbon tetrachloride
Concen: 0.08 ppb
RT: 11.44 min Scan# 2488
Delta R.T. 0.01 min
Lab File: AS010206.D
Acq: 2 Jan 2021 2:45 pm

Tgt Ion:117 Resp: 14372

Ion	Ratio	Lower	Upper
117	100		
119	98.8	75.8	115.8

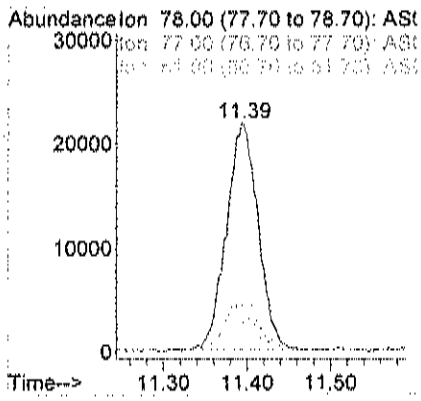


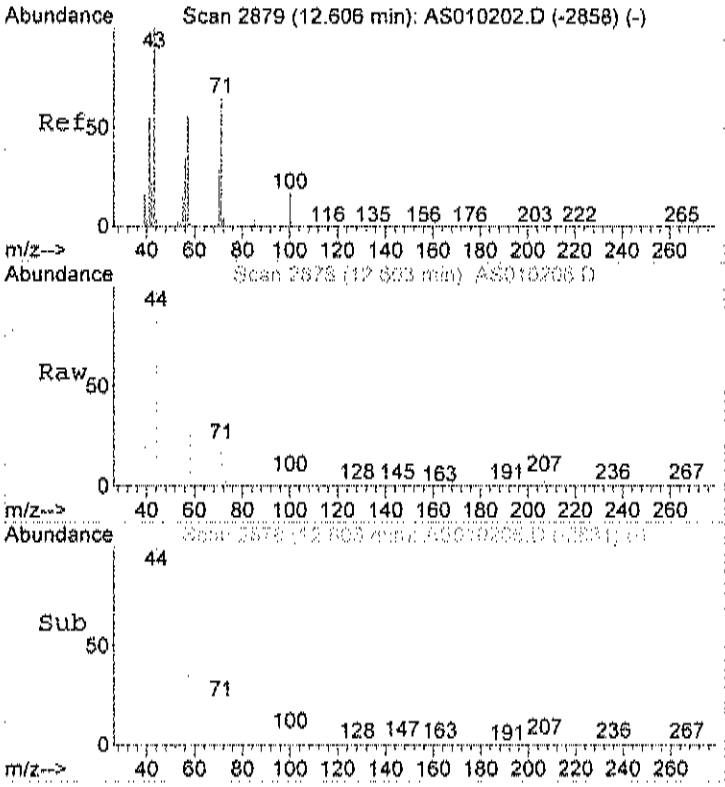


#39
Benzene
Concen: 0.23 ppb
RT: 11.39 min Scan# 2474
Delta R.T. 0.00 min
Lab File: AS010206.D
Acq: 2 Jan 2021 2:45 pm

Tgt Ion: 78 Resp: 58026

Ion	Ratio	Lower	Upper
78	100		
77	23.8	3.3	43.3
51	19.2	0.0	35.4

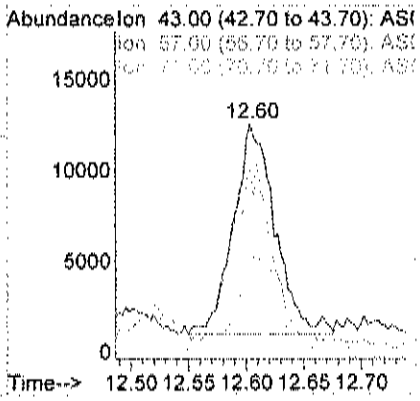


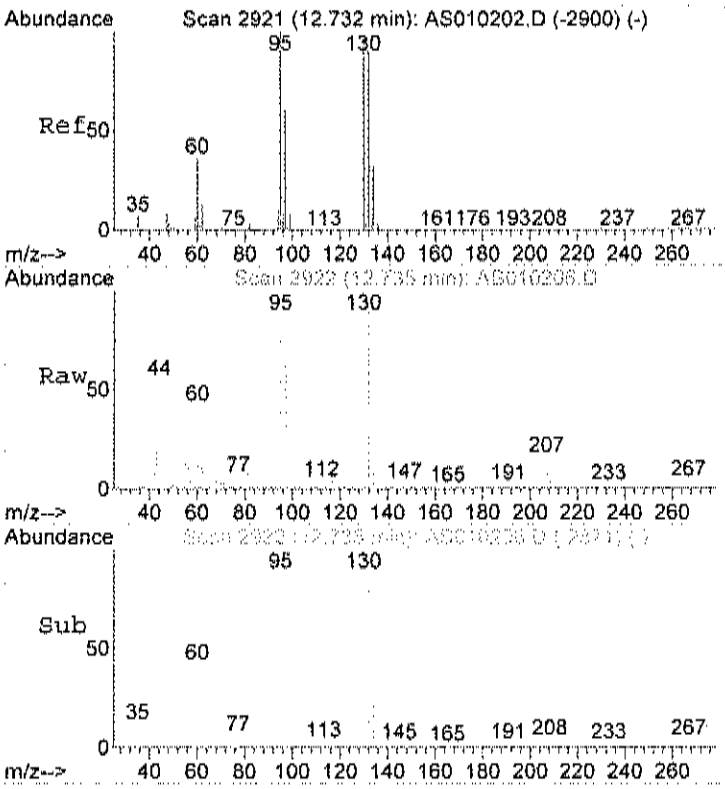


#43
Heptane
Concen: 0.23 ppb
RT: 12.60 min Scan# 2878
Delta R.T. -0.01 min
Lab File: AS010206.D
Acq: 2 Jan 2021 2:45 pm

Tgt Ion: 43 Resp: 29223

Ion	Ratio	Lower	Upper
43	100		
57	84.6	40.0	80.0#
71	40.5	46.8	86.8#

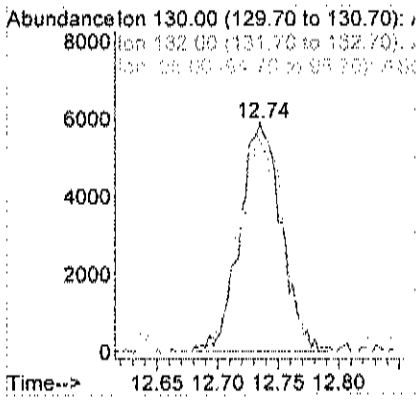


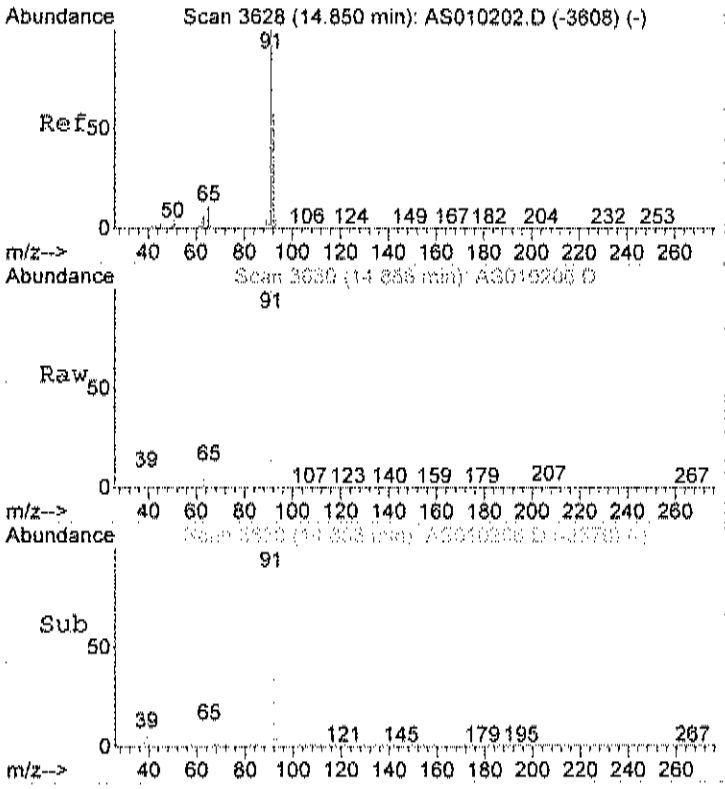


#44
Trichloroethene
Concen: 0.11 ppb
RT: 12.74 min Scan# 2922
Delta R.T. 0.00 min
Lab File: AS010206.D
Acq: 2 Jan 2021 2:45 pm

Tgt Ion:130 Resp: 14138

Ion	Ratio	Lower	Upper
130	100		
132	96.3	76.4	116.4
95	104.8	79.9	119.9

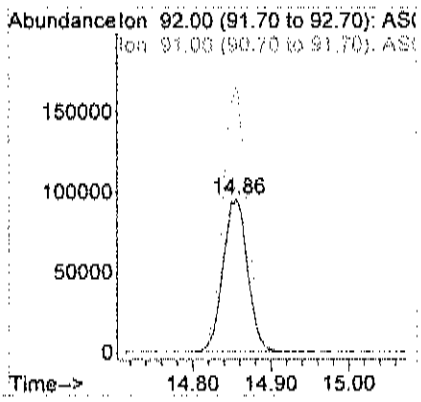


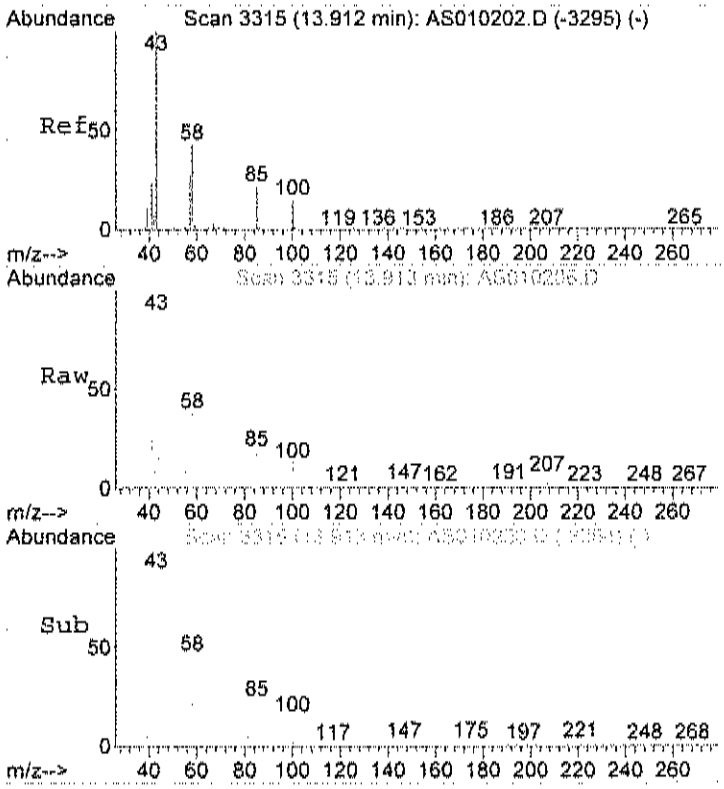


#51
Toluene
Concen: 1.13 ppb
RT: 14.86 min Scan# 3630
Delta R.T. 0.00 min
Lab File: AS010206.D
Acq: 2 Jan 2021 2:45 pm

Tgt Ion: 92 Resp: 209174

Ion	Ratio	Lower	Upper
92	100		
91	170.9	154.0	194.0

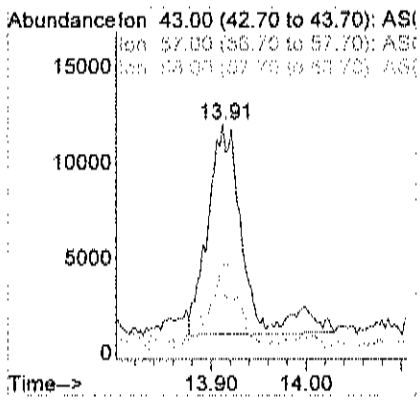


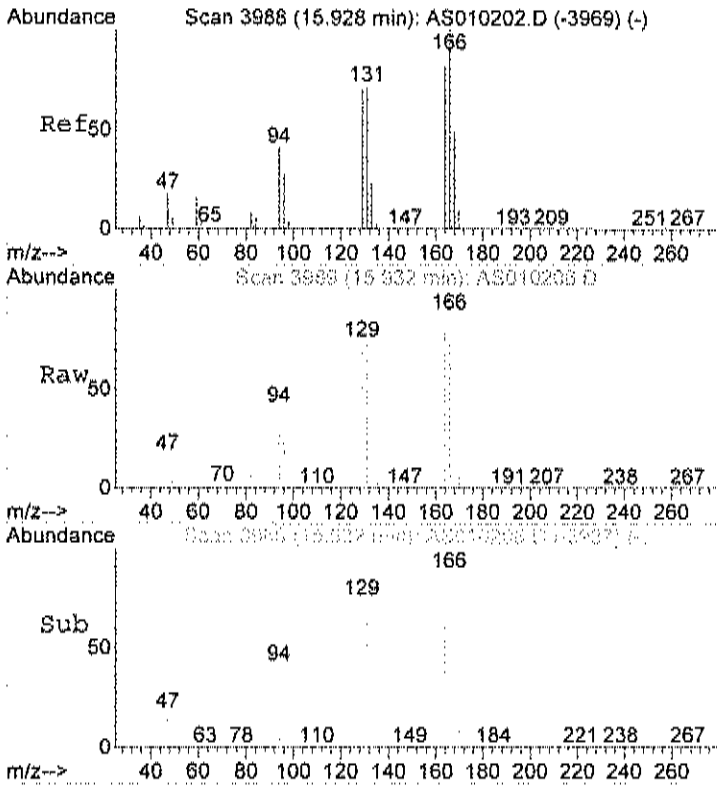


#52
Methyl Isobutyl Ketone
Concen: 0.17 ppb
RT: 13.91 min Scan# 3315
Delta R.T. 0.00 min
Lab File: AS010206.D
Acq: 2 Jan 2021 2:45 pm

Tgt Ion: 43 Resp: 28312

Ion	Ratio	Lower	Upper
43	100		
57	28.4	8.9	48.9
58	40.5	25.1	65.1

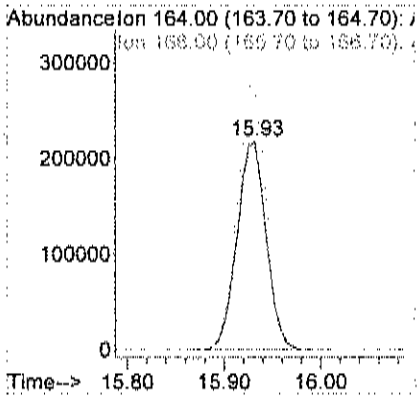


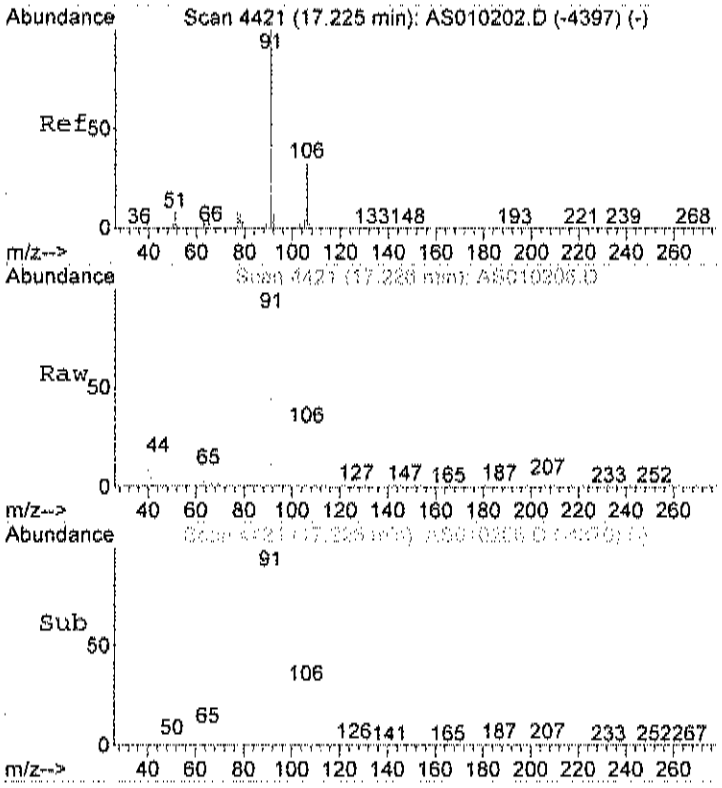


#56
Tetrachloroethylene
Concen: 3.63 ppb
RT: 15.93 min Scan# 3989
Delta R.T. 0.01 min
Lab File: AS010206.D
Acq: 2 Jan 2021 2:45 pm

Tgt Ion:164 Resp: 457535

Ion	Ratio	Lower	Upper
164	100		
166	127.8	110.5	150.5

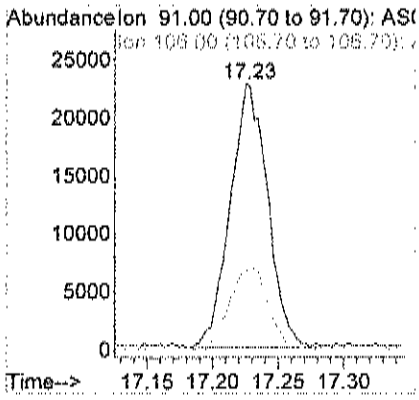


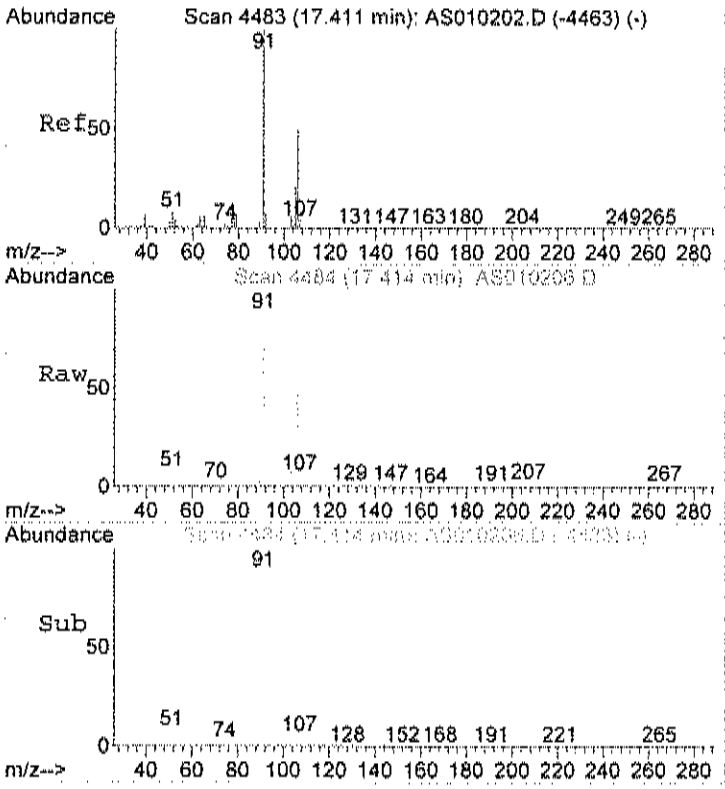


#58
Ethylbenzene
Concen: 0.11 ppb
RT: 17.23 min Scan# 4421
Delta R.T. 0.00 min
Lab File: AS010206.D
Acq: 2 Jan 2021 2:45 pm

Tgt Ion: 91 Resp: 45435

Ion	Ratio	Lower	Upper
91	100		
106	31.5	12.3	52.3

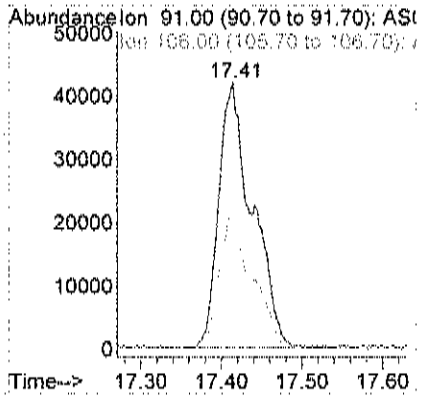


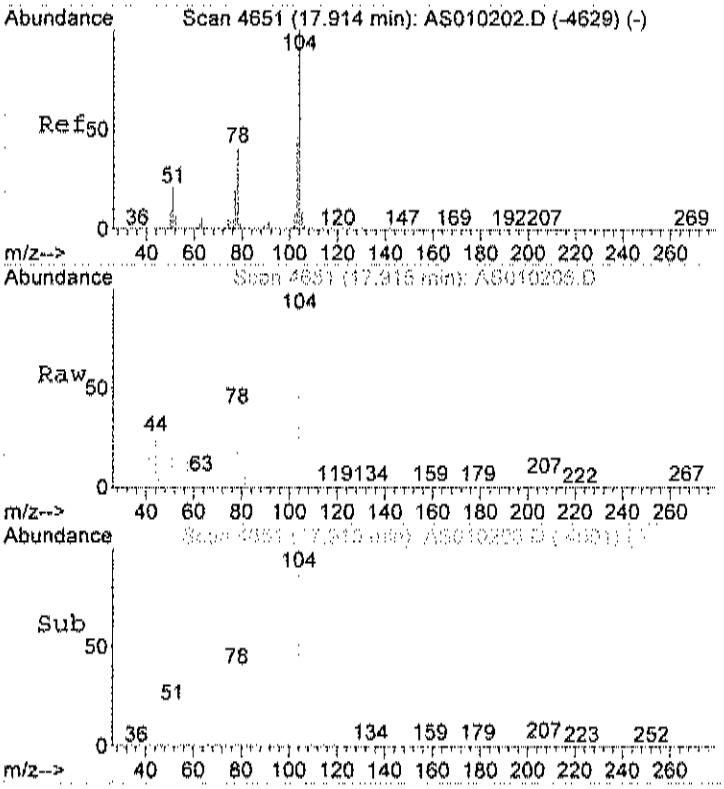


#59
m&p-xylene
Concen: 0.38 ppb
RT: 17.41 min Scan# 4484
Delta R.T. 0.00 min
Lab File: AS010206.D
Acq: 2 Jan 2021 2:45 pm

Tgt Ion: 91 Resp: 121570

Ion	Ratio	Lower	Upper
91	100		
106	50.5	30.4	70.4

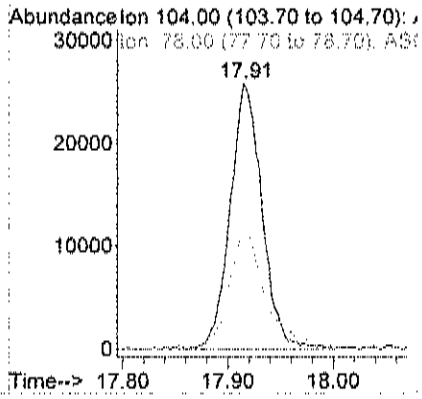


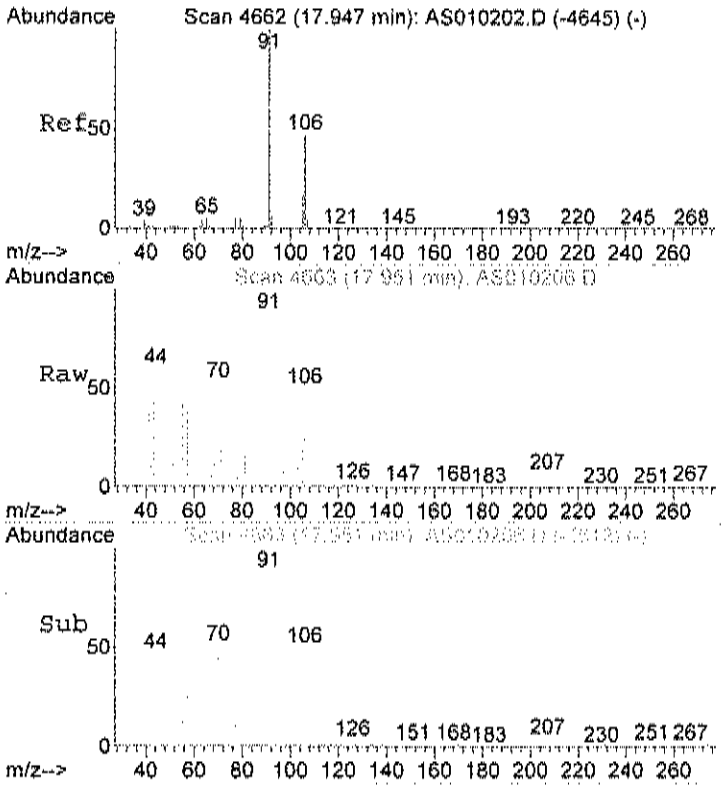


#61
Styrene
Concen: 0.21 ppb
RT: 17.91 min Scan# 4651
Delta R.T. 0.00 min
Lab File: AS010206.D
Acq: 2 Jan 2021 2:45 pm

Tgt Ion:104 Resp: 53938

Ion	Ratio	Lower	Upper
104	100		
78	49.5	28.5	68.5

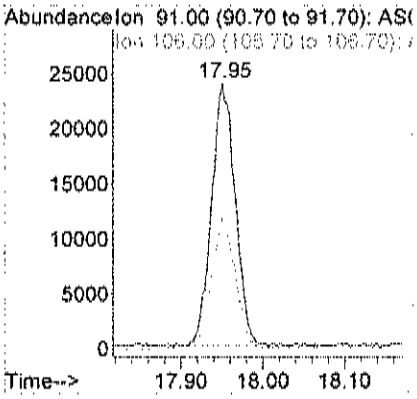


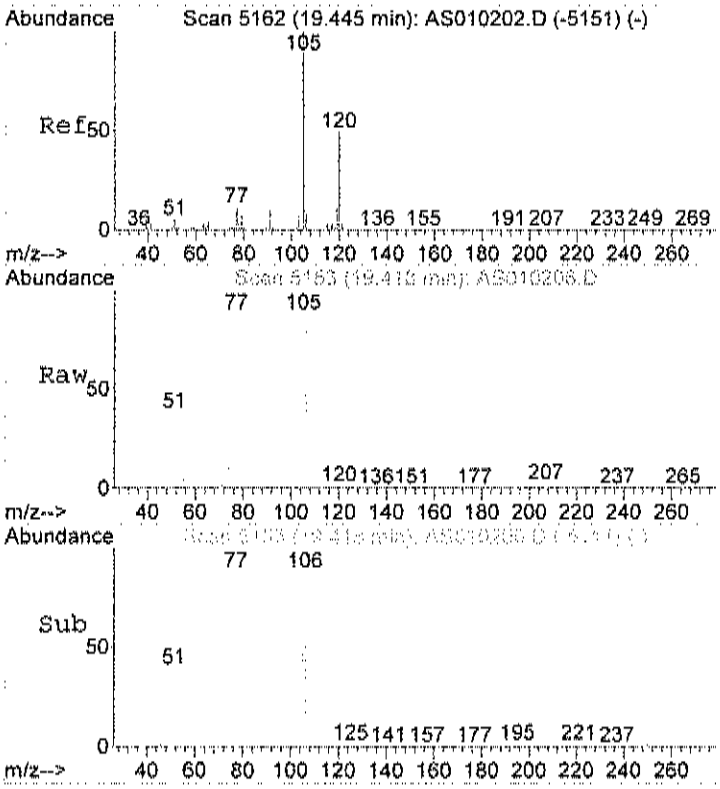


#63
o-xylene
Concen: 0.14 ppb
RT: 17.95 min Scan# 4663
Delta R.T. 0.00 min
Lab File: AS010206.D
Acq: 2 Jan 2021 2:45 pm

Tgt Ion: 91 Resp: 49018

Ion	Ratio	Lower	Upper
91	100		
106	49.1	28.2	68.2

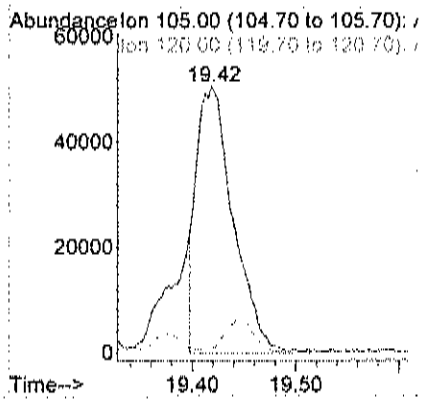


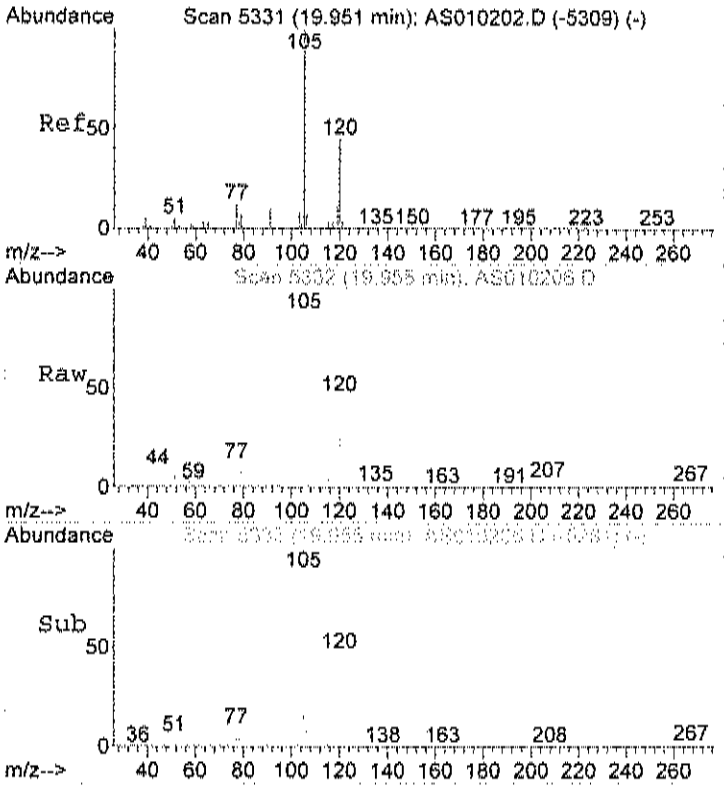


#70
1,3,5-trimethylbenzene
Concen: 0.32 ppb m
RT: 19.42 min Scan# 5153
Delta R.T. -0.02 min
Lab File: AS010206.D
Acq: 2 Jan 2021 2:45 pm

Tgt Ion:105 Resp: 124838

Ion	Ratio	Lower	Upper
105	100		
120	9.7	14.6	54.6#

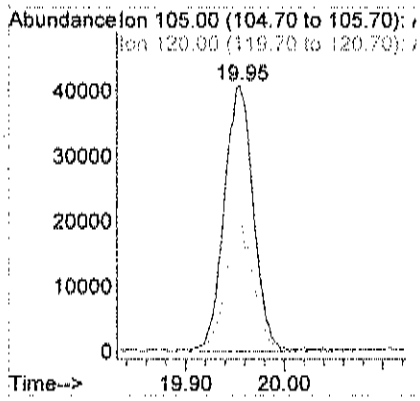




#71
1,2,4-trimethylbenzene
Concen: 0.21 ppb
RT: 19.95 min Scan# 5332
Delta R.T. 0.00 min
Lab File: AS010206.D
Acq: 2 Jan 2021 2:45 pm

Tgt Ion:105 Resp: 83973

Ion	Ratio	Lower	Upper
105	100		
120	45.0	26.0	66.0



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AS010212.D Vial: 12
Acq On : 2 Jan 2021 7:51 pm Operator: RJP
Sample : C2012057-002A 10X Inst : MSD #1
Misc : A101_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jan 03 09:30:37 2021 Quant Results File: A101_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A101_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Sat Jan 02 10:49:46 2021
Response via : Initial Calibration
DataAcq Meth : 1UG_ENT

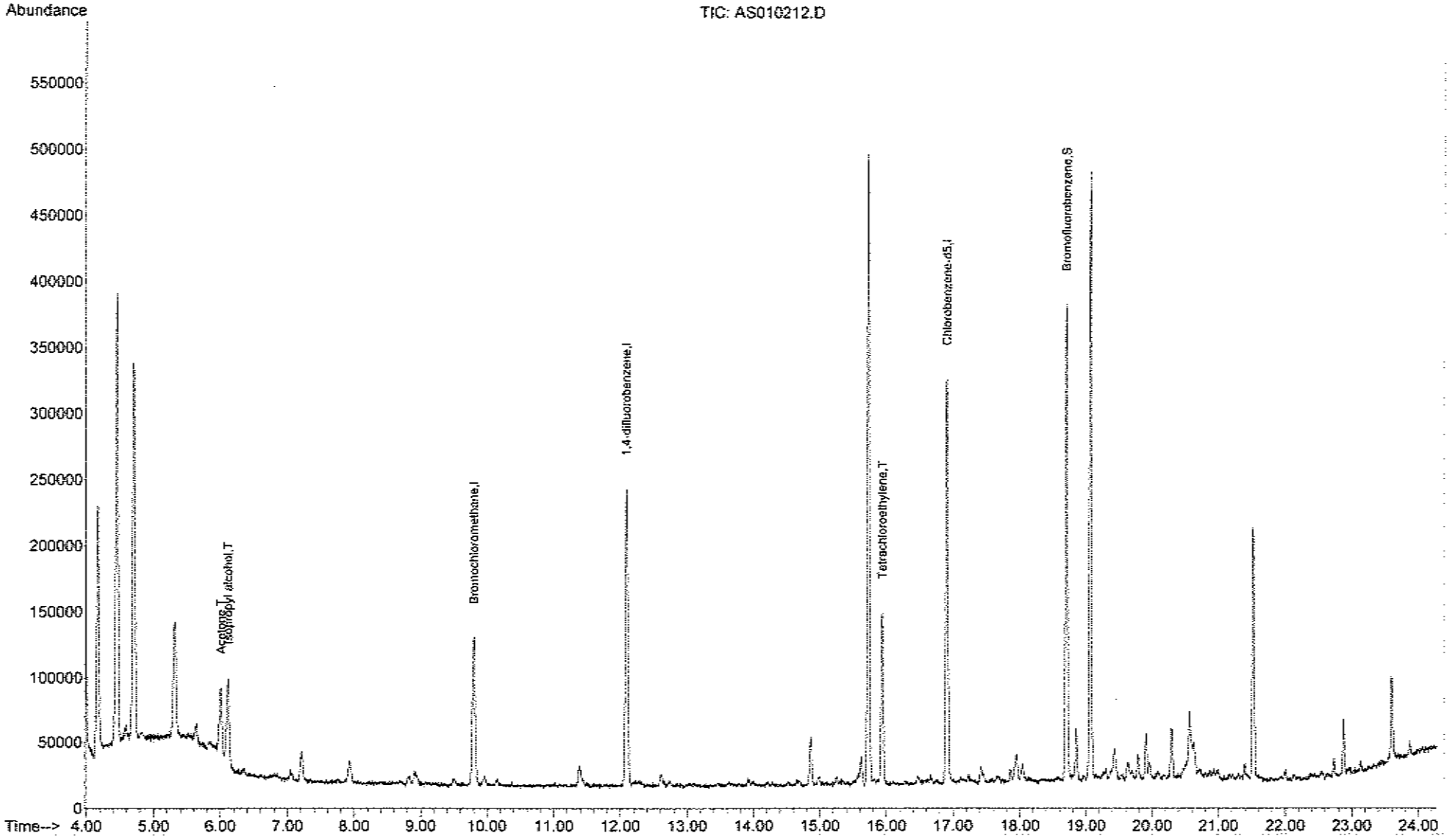
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	9.80	128	51288	1.00	ppb	0.02
35) 1,4-difluorobenzene	12.09	114	261962	1.00	ppb	0.00
50) Chlorobenzene-d5	16.91	117	233860	1.00	ppb	0.00
System Monitoring Compounds						
65) Bromofluorobenzene	18.70	95	169333	0.98	ppb	0.00
Spiked Amount 1.000	Range 70 - 130		Recovery = 98.00%			
Target Compounds						Qvalue
15) Acetone	6.00	58	34657	1.19	ppb	# 7
17) Isopropyl alcohol	6.11	45	74517	1.12	ppb	# 1
56) Tetrachloroethylene	15.93	164	39155	0.34	ppb	95

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AS010212.D Vial: 12
Acq On : 2 Jan 2021 7:51 pm Operator: RJP
Sample : C2012057-002A 10X Inst : MSD #1
Misc : A101_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jan 7 10:51 2021 Quant Results File: A101_1UG.RES

Method : C:\HPCHEM\1\METHODS\A101_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Tue Jan 12 09:46:09 2021
Response via : Initial Calibration



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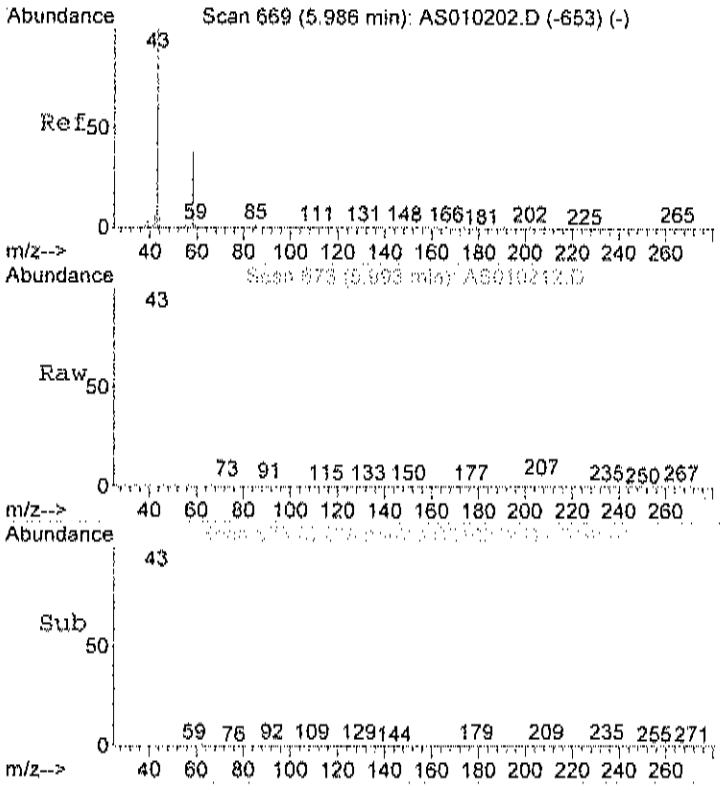
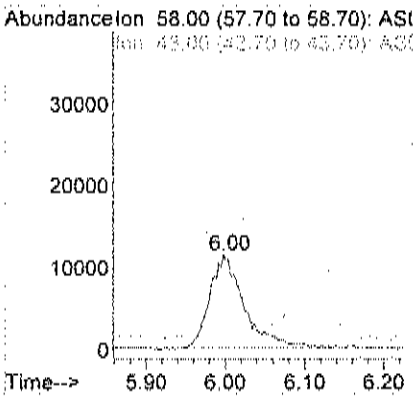
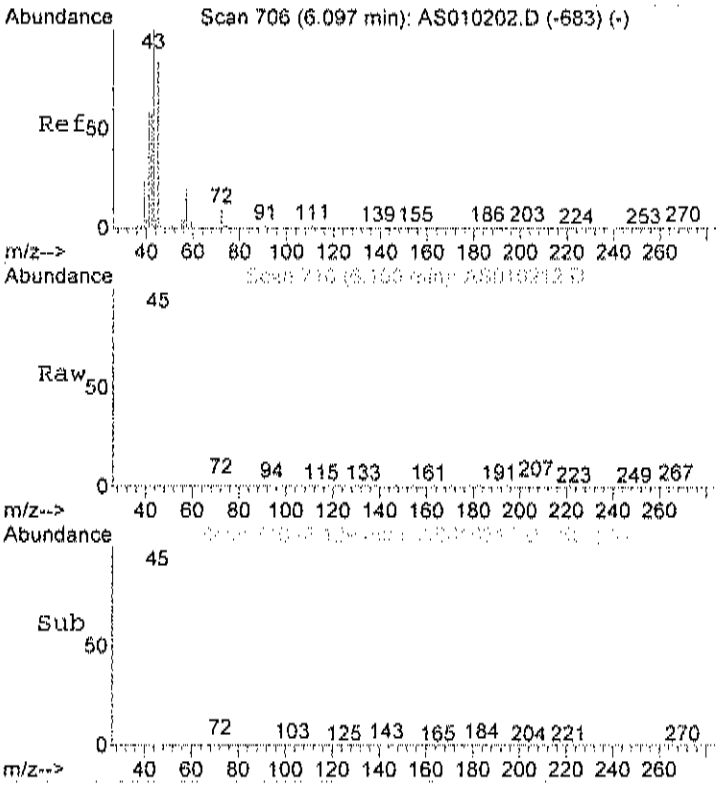


#15
Acetone
Concen: 1.19 ppb
RT: 6.00 min Scan# 673
Delta R.T. 0.01 min
Lab File: AS010212.D
Acq: 2 Jan 2021 7:51 pm

Tgt Ion: 58 Resp: 34657

Ion	Ratio	Lower	Upper
58	100		
43	377.4	195.2	255.2#

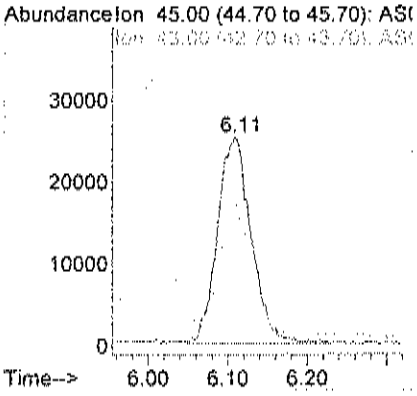


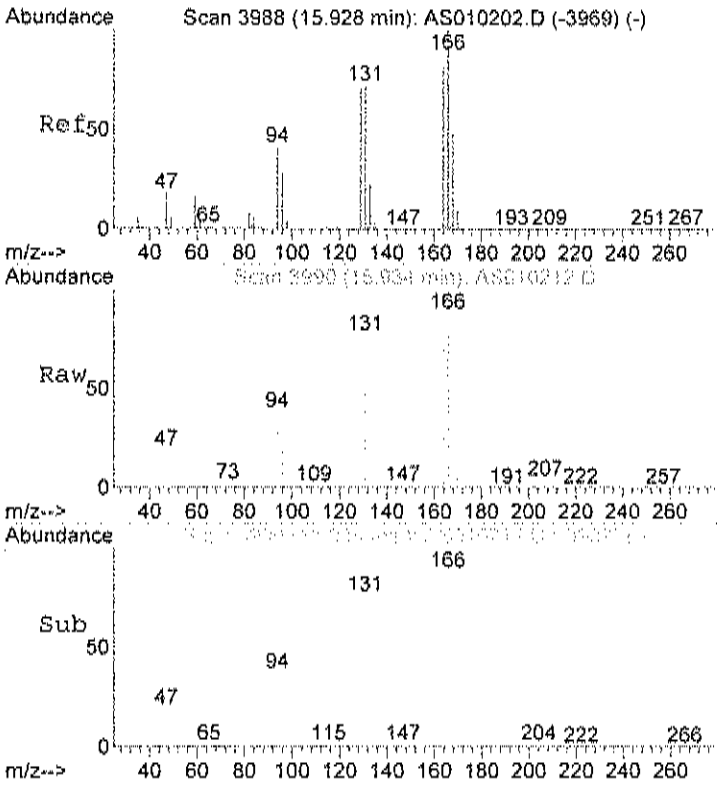


#17
Isopropyl alcohol
Concen: 1.12 ppb
RT: 6.11 min Scan# 710
Delta R.T. 0.02 min
Lab File: AS010212.D
Acq: 2 Jan 2021 7:51 pm

Tgt Ion: 45 Resp: 74517

Ion	Ratio	Lower	Upper
45	100		
43	0.0	103.4	143.4#

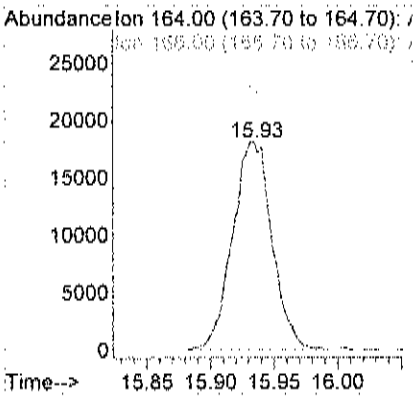




#56
Tetrachloroethylene
Concen: 0.34 ppb
RT: 15.93 min Scan# 3990
Delta R.T. 0.01 min
Lab File: AS010212.D
Acq: 2 Jan 2021 7:51 pm

Tgt Ion:164 Resp: 39155

Ion	Ratio	Lower	Upper
164	100		
166	125.0	110.5	150.5



Centek Laboratories, LLC

Date: *12-Jan-21*

CLIENT:	LaBella Associates, P.C.	**Client Sample ID:**	OA-01
Lab Order:	C2012057	**Tag Number:**	205,377
Project:	113-117 N Clinton SVI Heating Season	**Collection Date:**	12/29/2020
Lab ID:	C2012057-003A	**Matrix:**	AIR

Analyses	Result	DL	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		FLD				Analyst:
Lab Vacuum In	-1			"Hg		12/30/2020
Lab Vacuum Out	-30			"Hg		12/30/2020
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		TO-15				Analyst: RJP
1,1,1-Trichloroethane	< 0.15	0.15		ppbV	1	1/2/2021 5:40:00 PM
1,1,2,2-Tetrachloroethane	< 0.15	0.15		ppbV	1	1/2/2021 5:40:00 PM
1,1,2-Trichloroethane	< 0.15	0.15		ppbV	1	1/2/2021 5:40:00 PM
1,1-Dichloroethane	< 0.15	0.15		ppbV	1	1/2/2021 5:40:00 PM
1,1-Dichloroethene	< 0.040	0.040		ppbV	1	1/2/2021 5:40:00 PM
1,2,4-Trichlorobenzene	< 0.15	0.15		ppbV	1	1/2/2021 5:40:00 PM
1,2,4-Trimethylbenzene	< 0.15	0.15		ppbV	1	1/2/2021 5:40:00 PM
1,2-Dibromoethane	< 0.15	0.15		ppbV	1	1/2/2021 5:40:00 PM
1,2-Dichlorobenzene	< 0.15	0.15		ppbV	1	1/2/2021 5:40:00 PM
1,2-Dichloroethane	< 0.15	0.15		ppbV	1	1/2/2021 5:40:00 PM
1,2-Dichloropropane	< 0.15	0.15		ppbV	1	1/2/2021 5:40:00 PM
1,3,5-Trimethylbenzene	< 0.15	0.15		ppbV	1	1/2/2021 5:40:00 PM
1,3-butadiene	< 0.15	0.15		ppbV	1	1/2/2021 5:40:00 PM
1,3-Dichlorobenzene	< 0.15	0.15		ppbV	1	1/2/2021 5:40:00 PM
1,4-Dichlorobenzene	< 0.15	0.15		ppbV	1	1/2/2021 5:40:00 PM
1,4-Dioxane	< 0.30	0.30		ppbV	1	1/2/2021 5:40:00 PM
2,2,4-trimethylpentane	< 0.15	0.15		ppbV	1	1/2/2021 5:40:00 PM
4-ethyltoluene	< 0.15	0.15		ppbV	1	1/2/2021 5:40:00 PM
Acetone	4.4	3.0		ppbV	10	1/2/2021 8:35:00 PM
Allyl chloride	< 0.15	0.15		ppbV	1	1/2/2021 5:40:00 PM
Benzene	0.14	0.15	J	ppbV	1	1/2/2021 5:40:00 PM
Benzyl chloride	< 0.15	0.15		ppbV	1	1/2/2021 5:40:00 PM
Bromodichloromethane	< 0.15	0.15		ppbV	1	1/2/2021 5:40:00 PM
Bromoform	< 0.15	0.15		ppbV	1	1/2/2021 5:40:00 PM
Bromomethane	< 0.15	0.15		ppbV	1	1/2/2021 5:40:00 PM
Carbon disulfide	0.15	0.15		ppbV	1	1/2/2021 5:40:00 PM
Carbon tetrachloride	0.090	0.030		ppbV	1	1/2/2021 5:40:00 PM
Chlorobenzene	< 0.15	0.15		ppbV	1	1/2/2021 5:40:00 PM
Chloroethane	< 0.15	0.15		ppbV	1	1/2/2021 5:40:00 PM
Chloroform	< 0.15	0.15		ppbV	1	1/2/2021 5:40:00 PM
Chloromethane	0.43	0.15		ppbV	1	1/2/2021 5:40:00 PM
cis-1,2-Dichloroethene	< 0.040	0.040		ppbV	1	1/2/2021 5:40:00 PM
cis-1,3-Dichloropropene	< 0.15	0.15		ppbV	1	1/2/2021 5:40:00 PM
Cyclohexane	< 0.15	0.15		ppbV	1	1/2/2021 5:40:00 PM
Dibromochloromethane	< 0.15	0.15		ppbV	1	1/2/2021 5:40:00 PM
Ethyl acetate	< 0.15	0.15		ppbV	1	1/2/2021 5:40:00 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: *12-Jan-21*

CLIENT: LaBella Associates, P.C.
Client Sample ID: OA-01
Lab Order: C2012057
Tag Number: 205,377
Project: 113-117 N Clinton SVI Heating Season
Collection Date: 12/29/2020
Lab ID: C2012057-003A
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: **RJP**
Ethylbenzene	< 0.15	0.15		ppbV	1	1/2/2021 5:40:00 PM
Freon 11	0.21	0.15		ppbV	1	1/2/2021 5:40:00 PM
Freon 113	< 0.15	0.15		ppbV	1	1/2/2021 5:40:00 PM
Freon 114	< 0.15	0.15		ppbV	1	1/2/2021 5:40:00 PM
Freon 12	0.48	0.15		ppbV	1	1/2/2021 5:40:00 PM
Heptane	< 0.15	0.15		ppbV	1	1/2/2021 5:40:00 PM
Hexachloro-1,3-butadiene	< 0.15	0.15		ppbV	1	1/2/2021 5:40:00 PM
Hexane	< 0.15	0.15		ppbV	1	1/2/2021 5:40:00 PM
Isopropyl alcohol	1.6	0.15		ppbV	1	1/2/2021 5:40:00 PM
m&p-Xylene	< 0.30	0.30		ppbV	1	1/2/2021 5:40:00 PM
Methyl Butyl Ketone	< 0.30	0.30		ppbV	1	1/2/2021 5:40:00 PM
Methyl Ethyl Ketone	0.20	0.30	J	ppbV	1	1/2/2021 5:40:00 PM
Methyl Isobutyl Ketone	< 0.30	0.30		ppbV	1	1/2/2021 5:40:00 PM
Methyl tert-butyl ether	< 0.15	0.15		ppbV	1	1/2/2021 5:40:00 PM
Methylene chloride	0.15	0.15		ppbV	1	1/2/2021 5:40:00 PM
o-Xylene	< 0.15	0.15		ppbV	1	1/2/2021 5:40:00 PM
Propylene	< 0.15	0.15		ppbV	1	1/2/2021 5:40:00 PM
Styrene	< 0.15	0.15		ppbV	1	1/2/2021 5:40:00 PM
Tetrachloroethylene	< 0.15	0.15		ppbV	1	1/2/2021 5:40:00 PM
Tetrahydrofuran	< 0.15	0.15		ppbV	1	1/2/2021 5:40:00 PM
Toluene	0.11	0.15	J	ppbV	1	1/2/2021 5:40:00 PM
trans-1,2-Dichloroethene	< 0.15	0.15		ppbV	1	1/2/2021 5:40:00 PM
trans-1,3-Dichloropropene	< 0.15	0.15		ppbV	1	1/2/2021 5:40:00 PM
Trichloroethene	< 0.030	0.030		ppbV	1	1/2/2021 5:40:00 PM
Vinyl acetate	< 0.15	0.15		ppbV	1	1/2/2021 5:40:00 PM
Vinyl Bromide	< 0.15	0.15		ppbV	1	1/2/2021 5:40:00 PM
Vinyl chloride	< 0.040	0.040		ppbV	1	1/2/2021 5:40:00 PM
Surr: Bromofluorobenzene	100	47-124		%REC	1	1/2/2021 5:40:00 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: *12-Jan-21*

CLIENT: LaBella Associates, P.C.
Client Sample ID: OA-01
Lab Order: C2012057
Tag Number: 205,377
Project: 113-117 N Clinton SVI Heating Season
Collection Date: 12/29/2020
Lab ID: C2012057-003A
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: **RJP**
1,1,1-Trichloroethane	< 0.82	0.82		ug/m3	1	1/2/2021 5:40:00 PM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		ug/m3	1	1/2/2021 5:40:00 PM
1,1,2-Trichloroethane	< 0.82	0.82		ug/m3	1	1/2/2021 5:40:00 PM
1,1-Dichloroethane	< 0.61	0.61		ug/m3	1	1/2/2021 5:40:00 PM
1,1-Dichloroethene	< 0.16	0.16		ug/m3	1	1/2/2021 5:40:00 PM
1,2,4-Trichlorobenzene	< 1.1	1.1		ug/m3	1	1/2/2021 5:40:00 PM
1,2,4-Trimethylbenzene	< 0.74	0.74		ug/m3	1	1/2/2021 5:40:00 PM
1,2-Dibromoethane	< 1.2	1.2		ug/m3	1	1/2/2021 5:40:00 PM
1,2-Dichlorobenzene	< 0.90	0.90		ug/m3	1	1/2/2021 5:40:00 PM
1,2-Dichloroethane	< 0.61	0.61		ug/m3	1	1/2/2021 5:40:00 PM
1,2-Dichloropropane	< 0.69	0.69		ug/m3	1	1/2/2021 5:40:00 PM
1,3,5-Trimethylbenzene	< 0.74	0.74		ug/m3	1	1/2/2021 5:40:00 PM
1,3-butadiene	< 0.33	0.33		ug/m3	1	1/2/2021 5:40:00 PM
1,3-Dichlorobenzene	< 0.90	0.90		ug/m3	1	1/2/2021 5:40:00 PM
1,4-Dichlorobenzene	< 0.90	0.90		ug/m3	1	1/2/2021 5:40:00 PM
1,4-Dioxane	< 1.1	1.1		ug/m3	1	1/2/2021 5:40:00 PM
2,2,4-trimethylpentane	< 0.70	0.70		ug/m3	1	1/2/2021 5:40:00 PM
4-ethyltoluene	< 0.74	0.74		ug/m3	1	1/2/2021 5:40:00 PM
Acetone	10	7.1		ug/m3	10	1/2/2021 8:35:00 PM
Allyl chloride	< 0.47	0.47		ug/m3	1	1/2/2021 5:40:00 PM
Benzene	0.45	0.48	J	ug/m3	1	1/2/2021 5:40:00 PM
Benzyl chloride	< 0.86	0.86		ug/m3	1	1/2/2021 5:40:00 PM
Bromodichloromethane	< 1.0	1.0		ug/m3	1	1/2/2021 5:40:00 PM
Bromoform	< 1.6	1.6		ug/m3	1	1/2/2021 5:40:00 PM
Bromomethane	< 0.58	0.58		ug/m3	1	1/2/2021 5:40:00 PM
Carbon disulfide	0.47	0.47		ug/m3	1	1/2/2021 5:40:00 PM
Carbon tetrachloride	0.57	0.19		ug/m3	1	1/2/2021 5:40:00 PM
Chlorobenzene	< 0.69	0.69		ug/m3	1	1/2/2021 5:40:00 PM
Chloroethane	< 0.40	0.40		ug/m3	1	1/2/2021 5:40:00 PM
Chloroform	< 0.73	0.73		ug/m3	1	1/2/2021 5:40:00 PM
Chloromethane	0.89	0.31		ug/m3	1	1/2/2021 5:40:00 PM
cis-1,2-Dichloroethene	< 0.16	0.16		ug/m3	1	1/2/2021 5:40:00 PM
cis-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	1/2/2021 5:40:00 PM
Cyclohexane	< 0.52	0.52		ug/m3	1	1/2/2021 5:40:00 PM
Dibromochloromethane	< 1.3	1.3		ug/m3	1	1/2/2021 5:40:00 PM
Ethyl acetate	< 0.54	0.54		ug/m3	1	1/2/2021 5:40:00 PM
Ethylbenzene	< 0.65	0.65		ug/m3	1	1/2/2021 5:40:00 PM
Freon 11	1.2	0.84		ug/m3	1	1/2/2021 5:40:00 PM
Freon 113	< 1.1	1.1		ug/m3	1	1/2/2021 5:40:00 PM
Freon 114	< 1.0	1.0		ug/m3	1	1/2/2021 5:40:00 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
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Centek Laboratories, LLC

Date: *12-Jan-21*

CLIENT: LaBella Associates, P.C.
Client Sample ID: OA-01
Lab Order: C2012057
Tag Number: 205,377
Project: 113-117 N Clinton SVI Heating Season
Collection Date: 12/29/2020
Lab ID: C2012057-003A
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: **RJP**
Freon 12	2.4	0.74		ug/m3	1	1/2/2021 5:40:00 PM
Heptane	< 0.61	0.61		ug/m3	1	1/2/2021 5:40:00 PM
Hexachloro-1,3-butadiene	< 1.6	1.6		ug/m3	1	1/2/2021 5:40:00 PM
Hexane	< 0.53	0.53		ug/m3	1	1/2/2021 5:40:00 PM
Isopropyl alcohol	3.9	0.37		ug/m3	1	1/2/2021 5:40:00 PM
m&p-Xylene	< 1.3	1.3		ug/m3	1	1/2/2021 5:40:00 PM
Methyl Butyl Ketone	< 1.2	1.2		ug/m3	1	1/2/2021 5:40:00 PM
Methyl Ethyl Ketone	0.59	0.88	J	ug/m3	1	1/2/2021 5:40:00 PM
Methyl Isobutyl Ketone	< 1.2	1.2		ug/m3	1	1/2/2021 5:40:00 PM
Methyl tert-butyl ether	< 0.54	0.54		ug/m3	1	1/2/2021 5:40:00 PM
Methylene chloride	0.52	0.52		ug/m3	1	1/2/2021 5:40:00 PM
o-Xylene	< 0.65	0.65		ug/m3	1	1/2/2021 5:40:00 PM
Propylene	< 0.26	0.26		ug/m3	1	1/2/2021 5:40:00 PM
Styrene	< 0.64	0.64		ug/m3	1	1/2/2021 5:40:00 PM
Tetrachloroethylene	< 1.0	1.0		ug/m3	1	1/2/2021 5:40:00 PM
Tetrahydrofuran	< 0.44	0.44		ug/m3	1	1/2/2021 5:40:00 PM
Toluene	0.41	0.57	J	ug/m3	1	1/2/2021 5:40:00 PM
trans-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	1/2/2021 5:40:00 PM
trans-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	1/2/2021 5:40:00 PM
Trichloroethene	< 0.16	0.16		ug/m3	1	1/2/2021 5:40:00 PM
Vinyl acetate	< 0.53	0.53		ug/m3	1	1/2/2021 5:40:00 PM
Vinyl Bromide	< 0.66	0.66		ug/m3	1	1/2/2021 5:40:00 PM
Vinyl chloride	< 0.10	0.10		ug/m3	1	1/2/2021 5:40:00 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\AS010209.D Vial: 9
Acq On : 2 Jan 2021 5:40 pm Operator: RJP
Sample : C2012057-003A Inst : MSD #1
Misc : A101_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jan 03 09:30:34 2021 Quant Results File: A101_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A101_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Sat Jan 02 10:49:46 2021
Response via : Initial Calibration
DataAcq Meth : 1UG_ENT

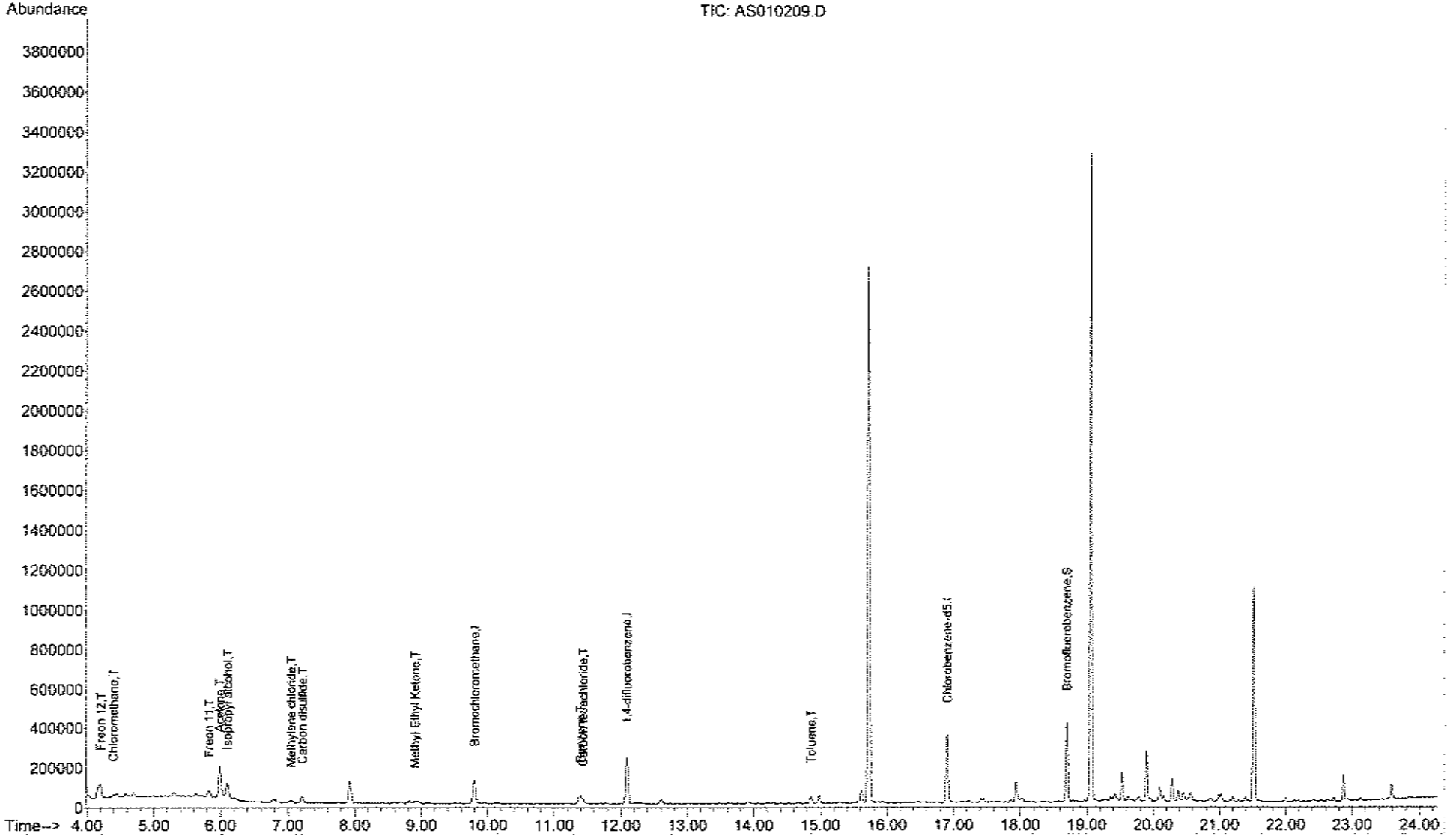
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	9.80	128	55660	1.00	ppb		0.02
35) 1,4-difluorobenzene	12.09	114	281241	1.00	ppb		0.00
50) Chlorobenzene-d5	16.90	117	251290	1.00	ppb		0.00
System Monitoring Compounds							
65) Bromofluorobenzene	18.70	95	186164	1.00	ppb		0.00
Spiked Amount 1.000	Range 70 - 130		Recovery = 100.00%				
Target Compounds							Qvalue
3) Freon 12	4.20	85	88209	0.48	ppb		98
4) Chloromethane	4.40	50	14477	0.43	ppb		81
14) Freon 11	5.83	101	41518	0.21	ppb		96
15) Acetone	5.99	58	111082	3.51	ppb	#	63
17) Isopropyl alcohol	6.10	45	113950	1.58	ppb	#	1
21) Methylene chloride	7.05	84	10393	0.15	ppb		91
23) Carbon disulfide	7.21	76	34372	0.15	ppb		91
28) Methyl Ethyl Ketone	8.91	72	7309	0.20	ppb	#	100
38) Carbon tetrachloride	11.44	117	14067	0.09	ppb		96
39) Benzene	11.40	78	32249	0.14	ppb		94
51) Toluene	14.86	92	20219	0.11	ppb		98

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AS010209.D Vial: 9
Acq On : 2 Jan 2021 5:40 pm Operator: RJP
Sample : C2012057-003A Inst : MSD #1
Misc : A101_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jan 7 10:45 2021 Quant Results File: A101_1UG.RES

Method : C:\HPCHEM\1\METHODS\A101_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Tue Jan 12 09:46:09 2021
Response via : Initial Calibration



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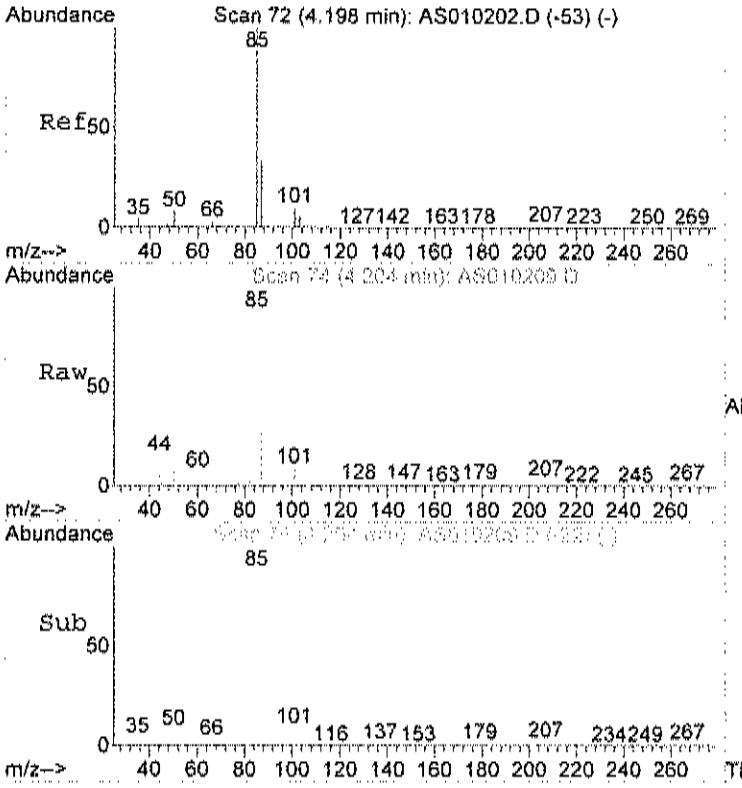
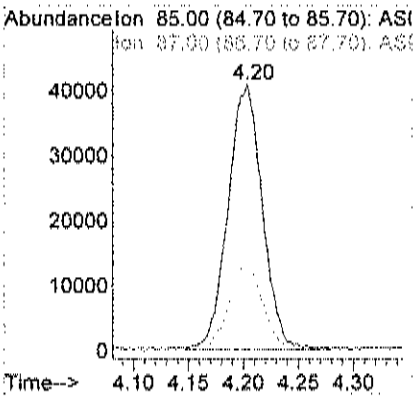
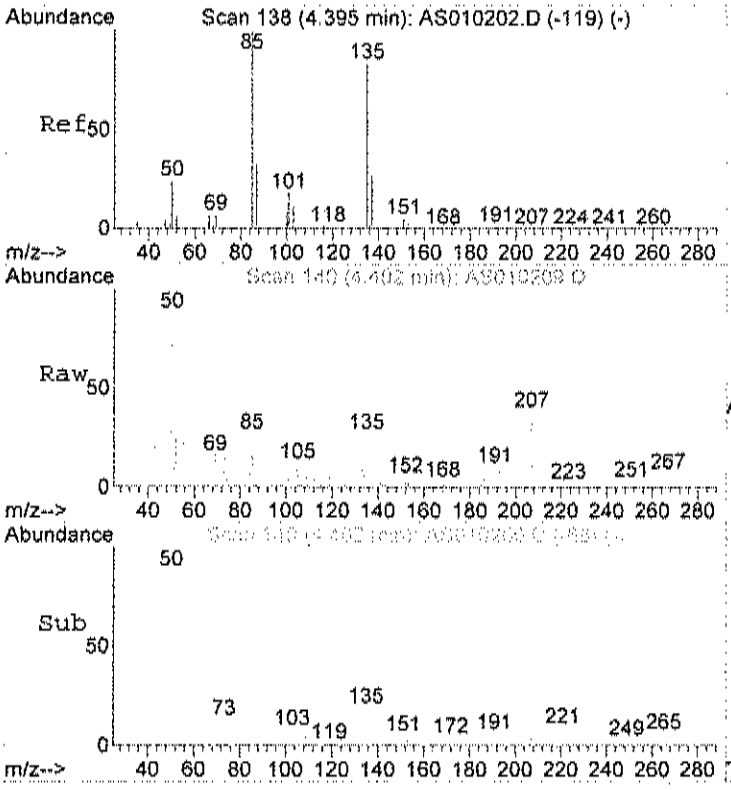


#3
Freon 12
Concen: 0.48 ppb
RT: 4.20 min Scan# 74
Delta R.T. 0.01 min
Lab File: AS010209.D
Acq: 2 Jan 2021 5:40 pm

Tgt Ion: 85 Resp: 88209

Ion	Ratio	Lower	Upper
85	100		
87	33.0	14.0	54.0

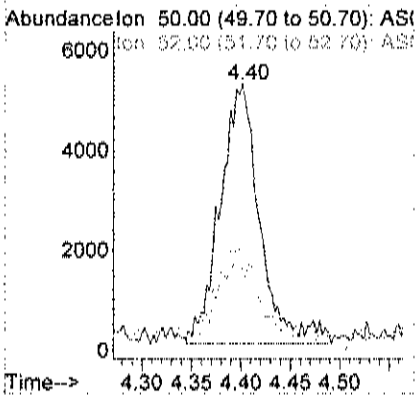


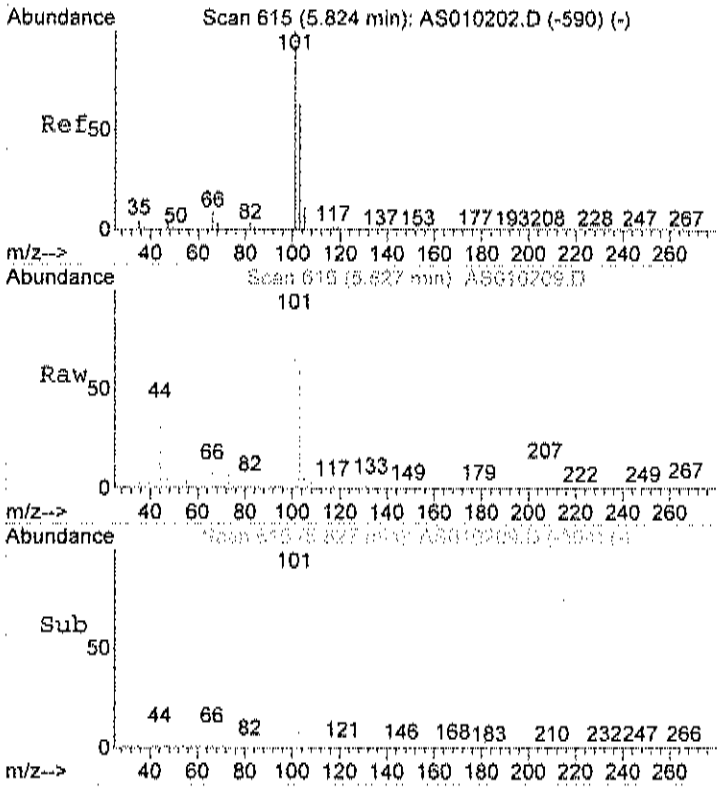


#4
Chloromethane
Concen: 0.43 ppb
RT: 4.40 min Scan# 140
Delta R.T. 0.01 min
Lab File: AS010209.D
Acq: 2 Jan 2021 5:40 pm

Tgt Ion: 50 Resp: 14477

Ion	Ratio	Lower	Upper
50	100		
52	36.2	6.5	46.5

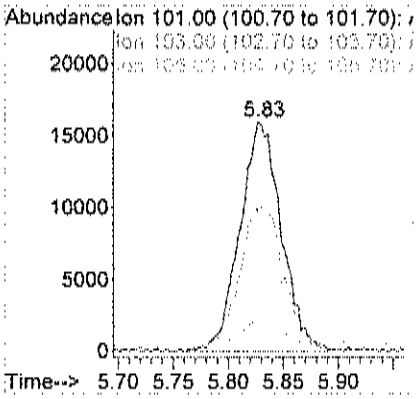


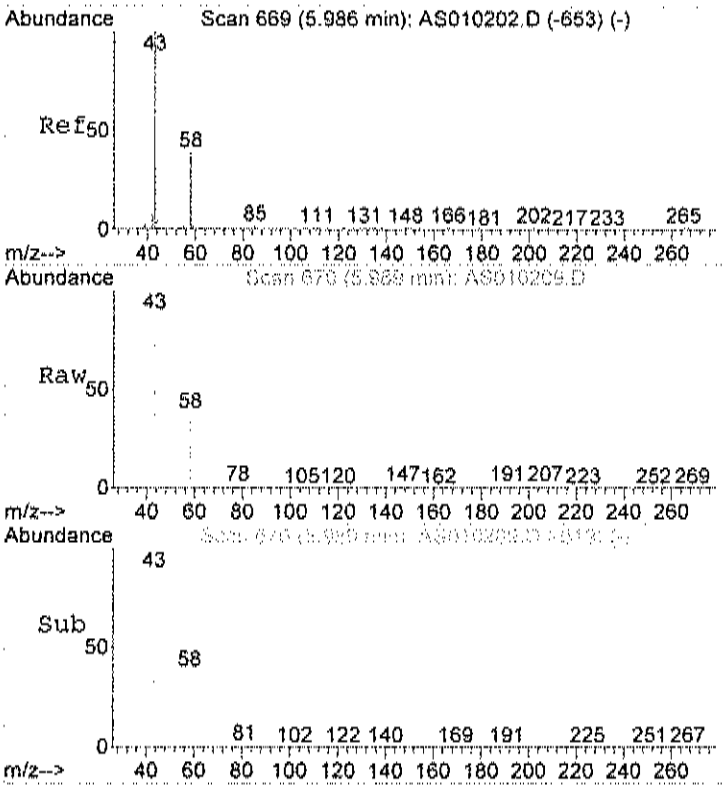


#14
Freon 11
Concen: 0.21 ppb
RT: 5.83 min Scan# 616
Delta R.T. 0.01 min
Lab File: AS010209.D
Acq: 2 Jan 2021 5:40 pm

Tgt Ion:101 Resp: 41518

Ion	Ratio	Lower	Upper
101	100		
103	67.0	44.1	84.1
105	14.5	0.0	31.3

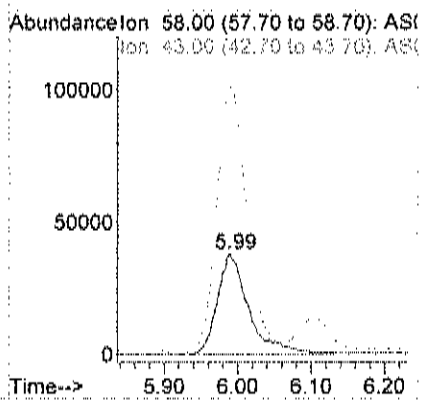


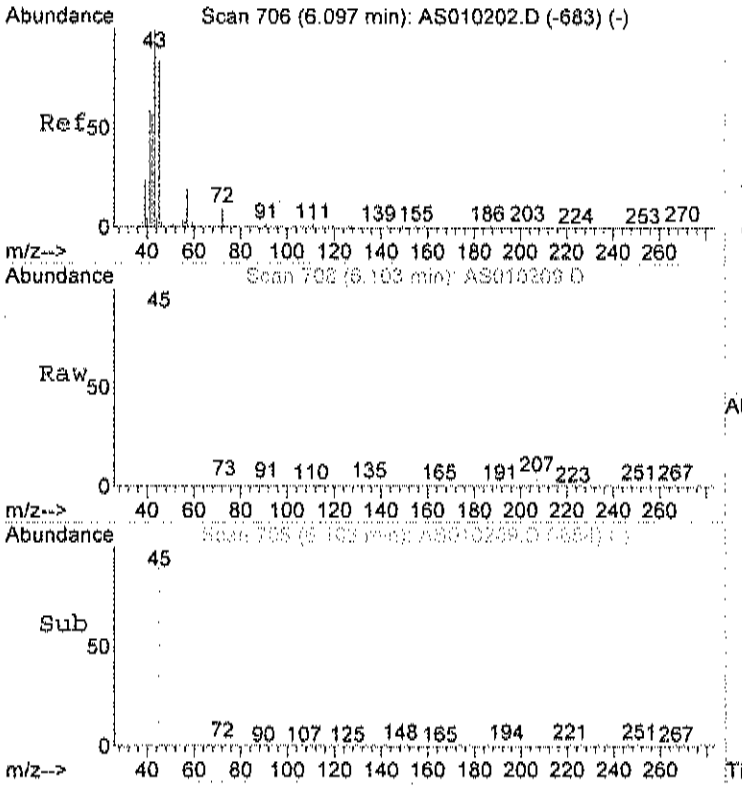


#15
Acetone
Concen: 3.51 ppb
RT: 5.99 min Scan# 670
Delta R.T. 0.00 min
Lab File: AS010209.D
Acq: 2 Jan 2021 5:40 pm

Tgt Ion: 58 Resp: 111082

Ion	Ratio	Lower	Upper
58	100		
43	285.8	195.2	255.2#

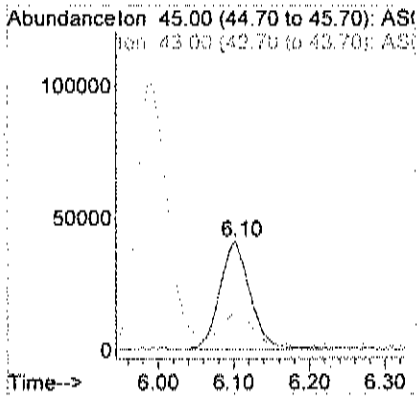


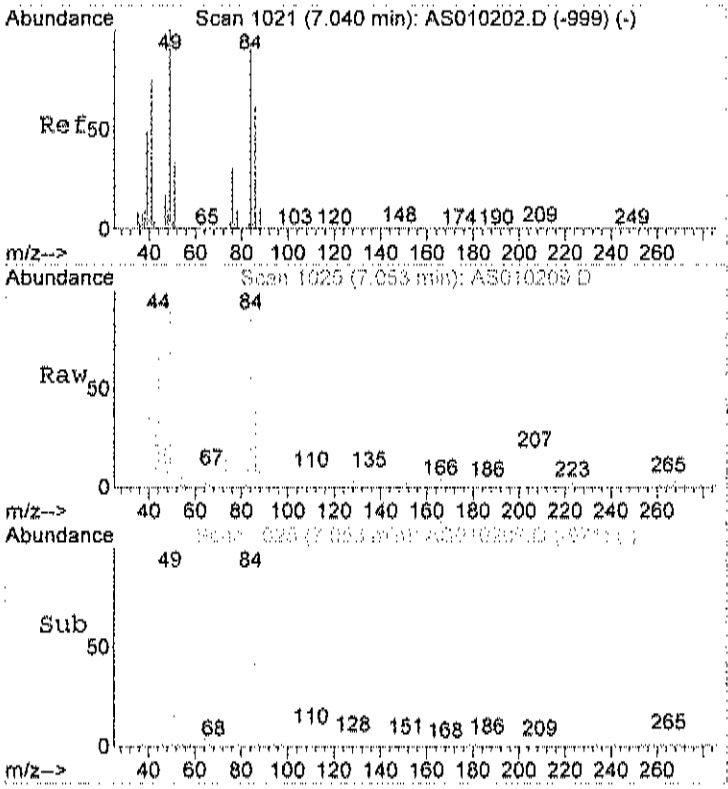


#17
Isopropyl alcohol
Concen: 1.58 ppb
RT: 6.10 min Scan# 708
Delta R.T. 0.01 min
Lab File: AS010209.D
Acq: 2 Jan 2021 5:40 pm

Tgt Ion: 45 Resp: 113950

Ion	Ratio	Lower	Upper
45	100		
43	0.0	103.4	143.4#

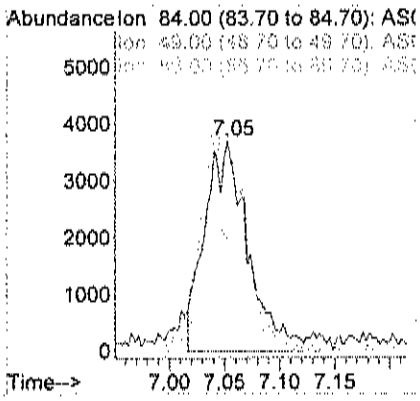


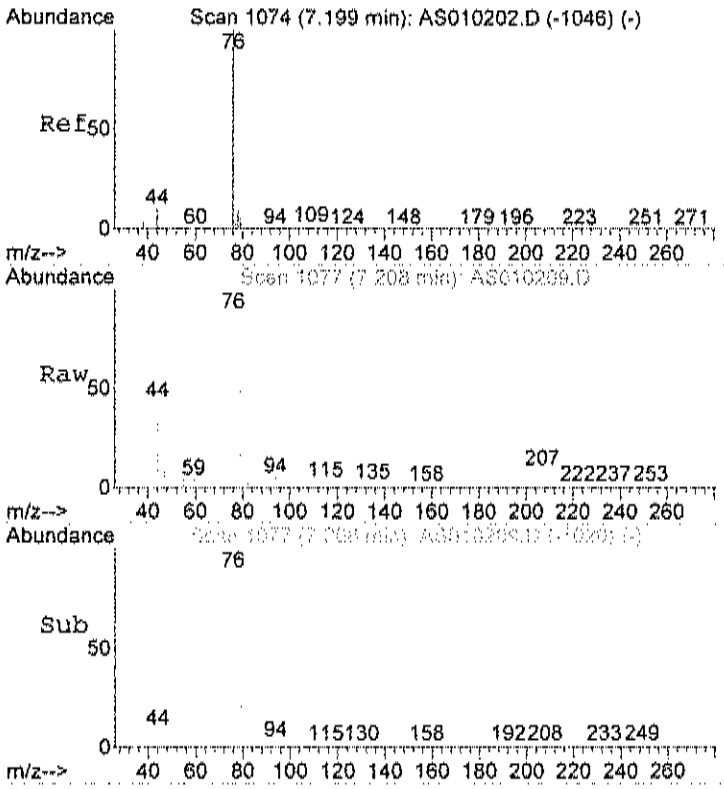


#21
Methylene chloride
Concen: 0.15 ppb
RT: 7.05 min Scan# 1025
Delta R.T. 0.01 min
Lab File: AS010209.D
Acq: 2 Jan 2021 5:40 pm

Tgt Ion: 84 Resp: 10393

Ion	Ratio	Lower	Upper
84	100		
49	105.7	94.8	134.8
86	57.5	46.1	86.1

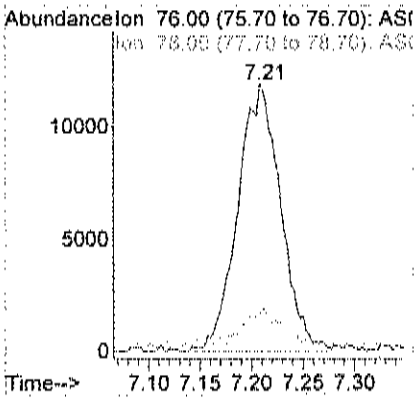


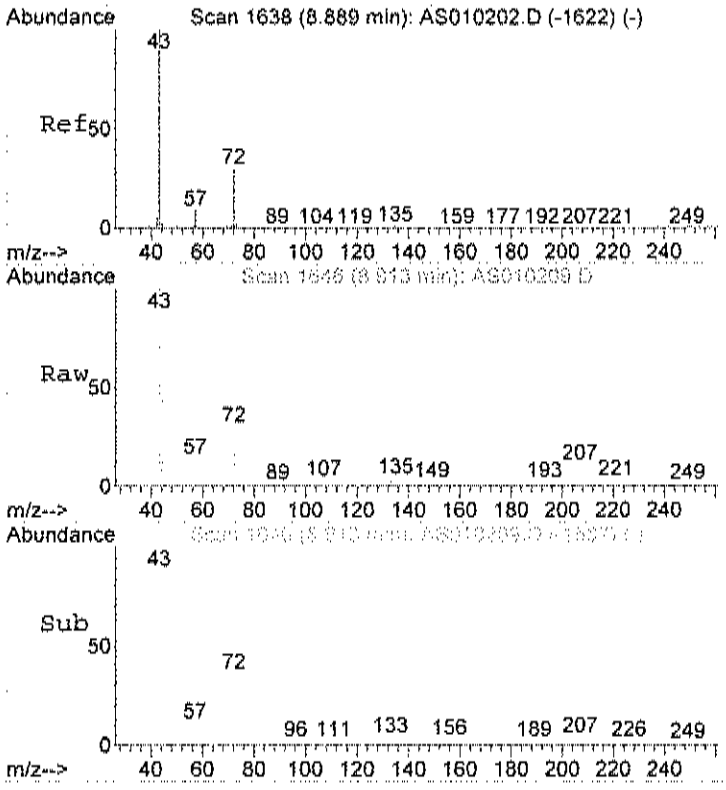


#23
Carbon disulfide
Concen: 0.15 ppb
RT: 7.21 min Scan# 1077
Delta R.T. 0.00 min
Lab File: AS010209.D
Acq: 2 Jan 2021 5:40 pm

Tgt Ion: 76 Resp: 34372

Ion	Ratio	Lower	Upper
76	100		
78	14.1	0.0	30.6

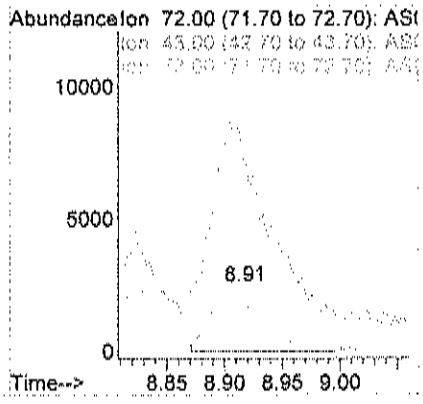


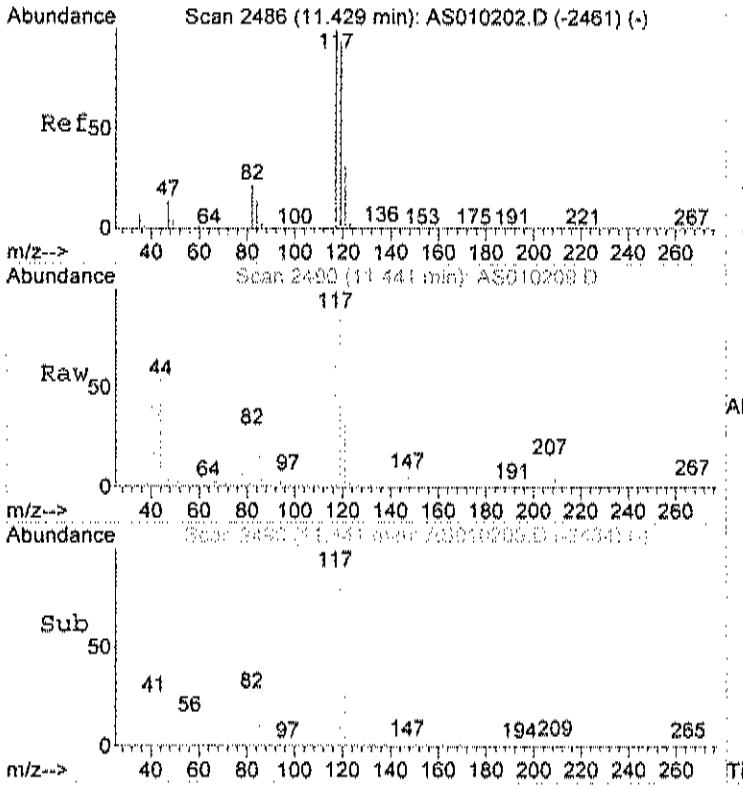


#28
Methyl Ethyl Ketone
Concen: 0.20 ppb
RT: 8.91 min Scan# 1646
Delta R.T. 0.03 min
Lab File: AS010209.D
Acq: 2 Jan 2021 5:40 pm

Tgt Ion: 72 Resp: 7309

Ion	Ratio	Lower	Upper
72	100		
43	346.9	0.0	20.0#
72	100.0	80.0	120.0

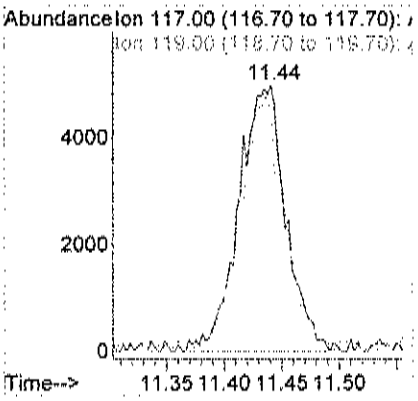


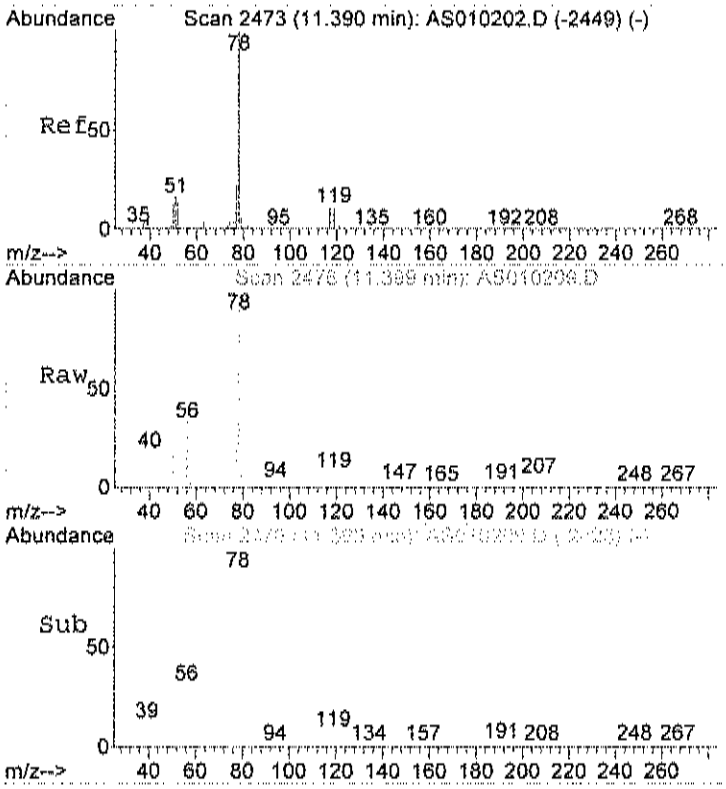


#38
Carbon tetrachloride
Concen: 0.09 ppb
RT: 11.44 min Scan# 2490
Delta R.T. 0.02 min
Lab File: AS010209.D
Acq: 2 Jan 2021 5:40 pm

Tgt Ion:117 Resp: 14067

Ion	Ratio	Lower	Upper
117	100		
119	92.1	75.8	115.8

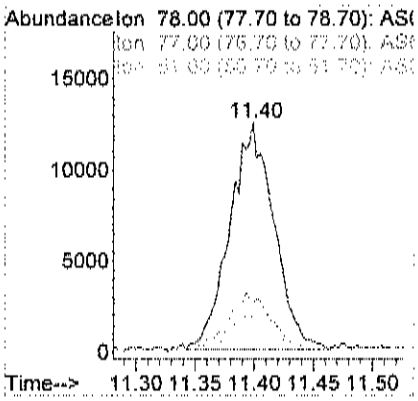


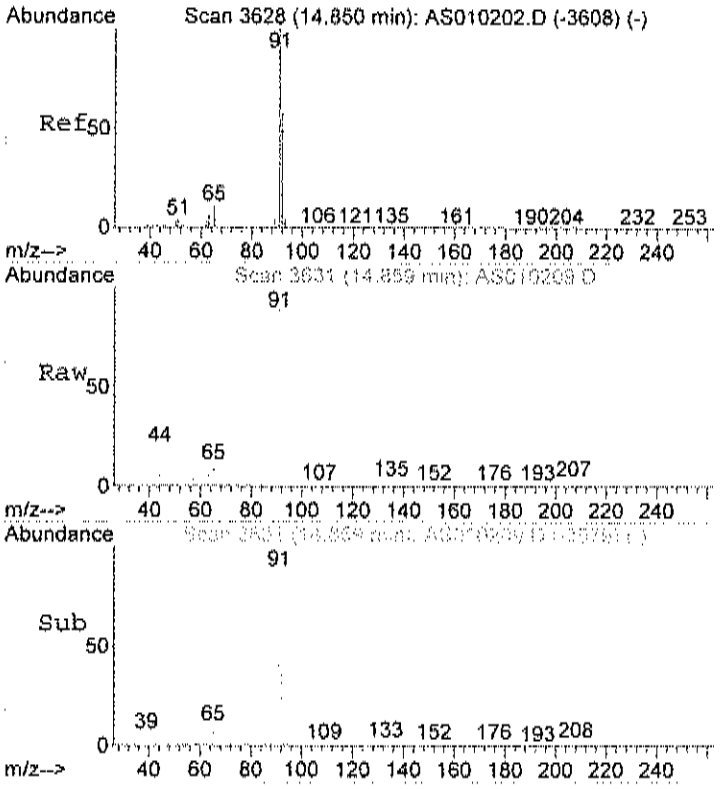


#39
Benzene
Concen: 0.14 ppb
RT: 11.40 min Scan# 2476
Delta R.T. 0.01 min
Lab File: AS010209.D
Acq: 2 Jan 2021 5:40 pm

Tgt Ion: 78 Resp: 32249

Ion	Ratio	Lower	Upper
78	100		
77	24.4	3.3	43.3
51	20.0	0.0	35.4

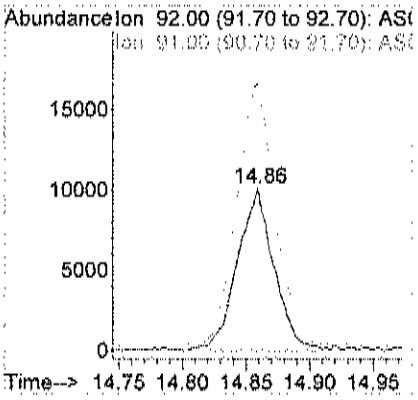




#51
Toluene
Concen: 0.11 ppb
RT: 14.86 min Scan# 3631
Delta R.T. 0.01 min
Lab File: AS010209.D
Acq: 2 Jan 2021 5:40 pm

Tgt Ion: 92 Resp: 20219

Ion	Ratio	Lower	Upper
92	100		
91	176.4	154.0	194.0



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AS010213.D Vial: 13
Acq On : 2 Jan 2021 8:35 pm Operator: RJP
Sample : C2012057-003A 10X Inst : MSD #1
Misc : A101_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jan 03 09:30:38 2021 Quant Results File: A101_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A101_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Sat Jan 02 10:49:46 2021
Response via : Initial Calibration
DataAcq Meth : 1UG_ENT

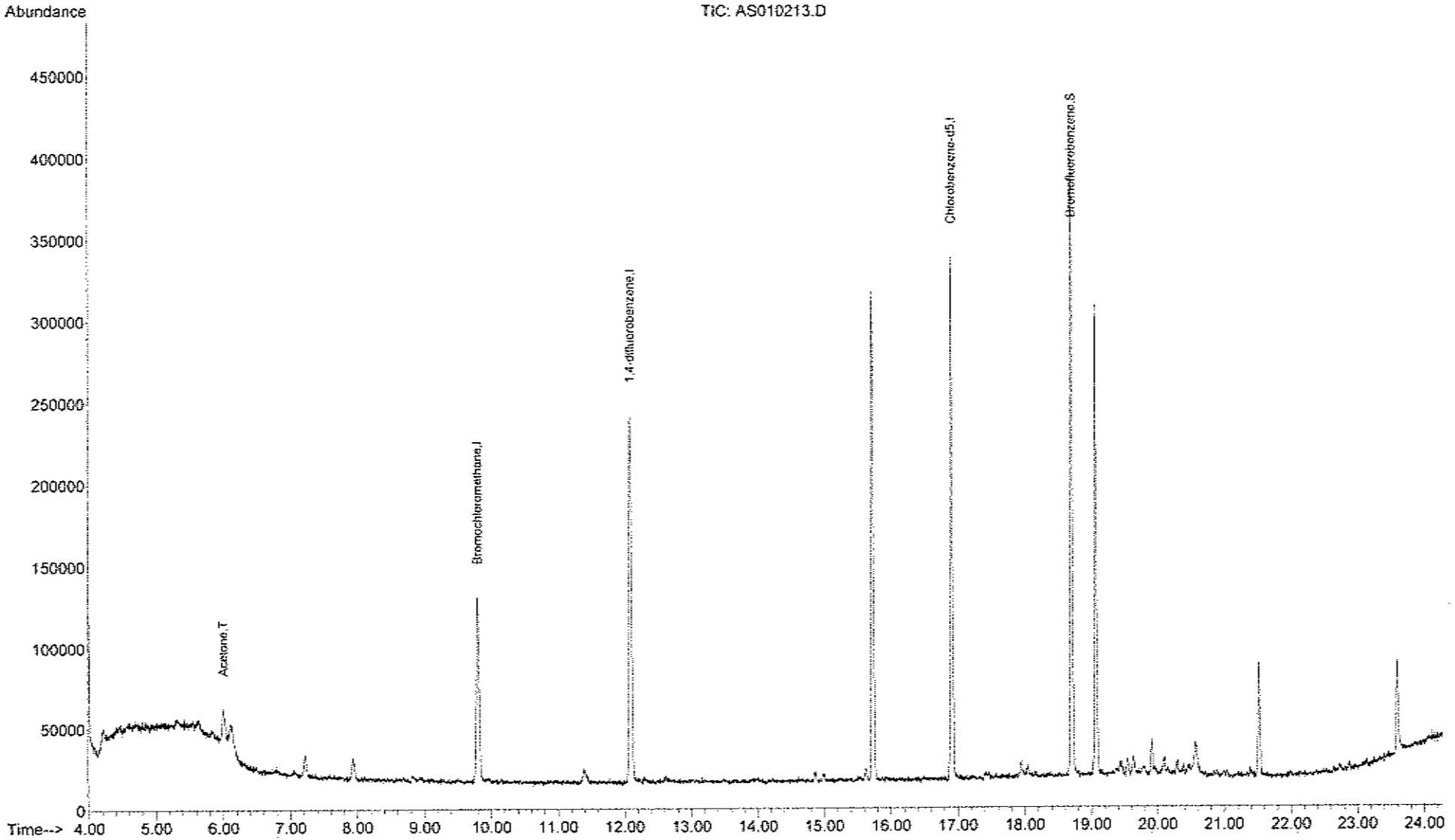
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	9.80	128	51805	1.00	ppb	0.01
35) 1,4-difluorobenzene	12.09	114	264717	1.00	ppb	0.00
50) Chlorobenzene-d5	16.90	117	240499	1.00	ppb	0.00
System Monitoring Compounds						
65) Bromofluorobenzene	18.70	95	172628	0.97	ppb	0.00
Spiked Amount 1.000	Range 70 - 130		Recovery = 97.00%			
Target Compounds						Qvalue
15) Acetone	6.00	58	12939	0.44	ppb	89

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AS010213.D Vial: 13
Acq On : 2 Jan 2021 8:35 pm Operator: RJP
Sample : C2012057-003A 10X Inst : MSD #1
Misc : A101_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jan 7 10:51 2021 Quant Results File: A101_1UG.RES

Method : C:\HPCHEM\1\METHODS\A101_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Tue Jan 12 09:46:09 2021
Response via : Initial Calibration



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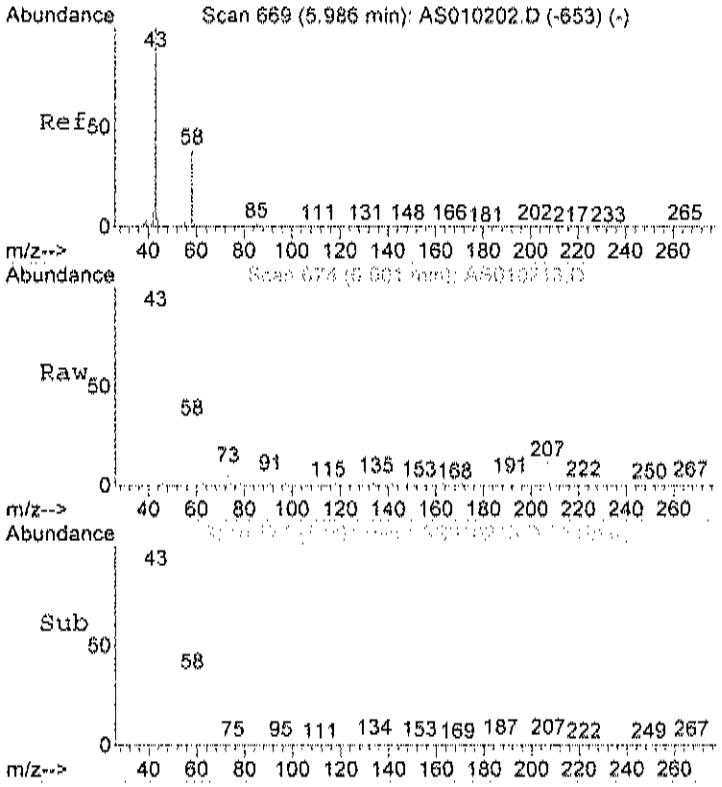
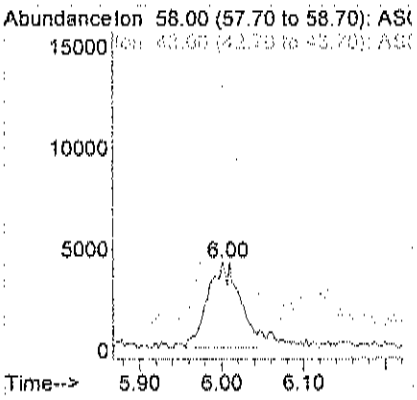


#15
Acetone
Concen: 0.44 ppb
RT: 6.00 min Scan# 674
Delta R.T. 0.01 min
Lab File: AS010213.D
Acq: 2 Jan 2021 8:35 pm

Tgt Ion: 58 Resp: 12939

Ion	Ratio	Lower	Upper
58	100		
43	243.2	195.2	255.2



Centek Laboratories, LLC

Date: *12-Jan-21*

CLIENT:	LaBella Associates, P.C.	**Client Sample ID:**	Duplicate
Lab Order:	C2012057	**Tag Number:**	328,385
Project:	113-117 N Clinton SVI Heating Season	**Collection Date:**	12/29/2020
Lab ID:	C2012057-004A	**Matrix:**	AIR

Analyses	Result	DL	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		FLD				Analyst:
Lab Vacuum In	-3			"Hg		12/30/2020
Lab Vacuum Out	-30			"Hg		12/30/2020
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		TO-15				Analyst: RJP
1,1,1-Trichloroethane	< 0.15	0.15		ppbV	1	1/2/2021 6:24:00 PM
1,1,2,2-Tetrachloroethane	< 0.15	0.15		ppbV	1	1/2/2021 6:24:00 PM
1,1,2-Trichloroethane	< 0.15	0.15		ppbV	1	1/2/2021 6:24:00 PM
1,1-Dichloroethane	< 0.15	0.15		ppbV	1	1/2/2021 6:24:00 PM
1,1-Dichloroethene	< 0.040	0.040		ppbV	1	1/2/2021 6:24:00 PM
1,2,4-Trichlorobenzene	< 0.15	0.15		ppbV	1	1/2/2021 6:24:00 PM
1,2,4-Trimethylbenzene	0.24	0.15		ppbV	1	1/2/2021 6:24:00 PM
1,2-Dibromoethane	< 0.15	0.15		ppbV	1	1/2/2021 6:24:00 PM
1,2-Dichlorobenzene	< 0.15	0.15		ppbV	1	1/2/2021 6:24:00 PM
1,2-Dichloroethane	< 0.15	0.15		ppbV	1	1/2/2021 6:24:00 PM
1,2-Dichloropropane	< 0.15	0.15		ppbV	1	1/2/2021 6:24:00 PM
1,3,5-Trimethylbenzene	0.35	0.15		ppbV	1	1/2/2021 6:24:00 PM
1,3-butadiene	< 0.15	0.15		ppbV	1	1/2/2021 6:24:00 PM
1,3-Dichlorobenzene	< 0.15	0.15		ppbV	1	1/2/2021 6:24:00 PM
1,4-Dichlorobenzene	< 0.15	0.15		ppbV	1	1/2/2021 6:24:00 PM
1,4-Dioxane	< 0.30	0.30		ppbV	1	1/2/2021 6:24:00 PM
2,2,4-trimethylpentane	< 0.15	0.15		ppbV	1	1/2/2021 6:24:00 PM
4-ethyltoluene	< 0.15	0.15		ppbV	1	1/2/2021 6:24:00 PM
Acetone	12	3.0		ppbV	10	1/2/2021 9:18:00 PM
Allyl chloride	< 0.15	0.15		ppbV	1	1/2/2021 6:24:00 PM
Benzene	0.25	0.15		ppbV	1	1/2/2021 6:24:00 PM
Benzyl chloride	< 0.15	0.15		ppbV	1	1/2/2021 6:24:00 PM
Bromodichloromethane	< 0.15	0.15		ppbV	1	1/2/2021 6:24:00 PM
Bromoform	< 0.15	0.15		ppbV	1	1/2/2021 6:24:00 PM
Bromomethane	< 0.15	0.15		ppbV	1	1/2/2021 6:24:00 PM
Carbon disulfide	< 0.15	0.15		ppbV	1	1/2/2021 6:24:00 PM
Carbon tetrachloride	0.090	0.030		ppbV	1	1/2/2021 6:24:00 PM
Chlorobenzene	< 0.15	0.15		ppbV	1	1/2/2021 6:24:00 PM
Chloroethane	< 0.15	0.15		ppbV	1	1/2/2021 6:24:00 PM
Chloroform	0.41	0.15		ppbV	1	1/2/2021 6:24:00 PM
Chloromethane	< 0.15	0.15		ppbV	1	1/2/2021 6:24:00 PM
cis-1,2-Dichloroethene	< 0.040	0.040		ppbV	1	1/2/2021 6:24:00 PM
cis-1,3-Dichloropropene	< 0.15	0.15		ppbV	1	1/2/2021 6:24:00 PM
Cyclohexane	< 0.15	0.15		ppbV	1	1/2/2021 6:24:00 PM
Dibromochloromethane	< 0.15	0.15		ppbV	1	1/2/2021 6:24:00 PM
Ethyl acetate	0.35	0.15		ppbV	1	1/2/2021 6:24:00 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: *12-Jan-21*

CLIENT:	LaBella Associates, P.C.	**Client Sample ID:**	Duplicate
Lab Order:	C2012057	**Tag Number:**	328,385
Project:	113-117 N Clinton SVI Heating Season	**Collection Date:**	12/29/2020
Lab ID:	C2012057-004A	**Matrix:**	AIR

Analyses	Result	DL	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		**TO-15**				Analyst: **RJP**
Ethylbenzene	0.11	0.15	J	ppbV	1	1/2/2021 6:24:00 PM
Freon 11	0.25	0.15		ppbV	1	1/2/2021 6:24:00 PM
Freon 113	< 0.15	0.15		ppbV	1	1/2/2021 6:24:00 PM
Freon 114	< 0.15	0.15		ppbV	1	1/2/2021 6:24:00 PM
Freon 12	0.49	0.15		ppbV	1	1/2/2021 6:24:00 PM
Heptane	0.25	0.15		ppbV	1	1/2/2021 6:24:00 PM
Hexachloro-1,3-butadiene	< 0.15	0.15		ppbV	1	1/2/2021 6:24:00 PM
Hexane	0.23	0.15		ppbV	1	1/2/2021 6:24:00 PM
Isopropyl alcohol	8.1	1.5		ppbV	10	1/2/2021 9:18:00 PM
m&p-Xylene	0.38	0.30		ppbV	1	1/2/2021 6:24:00 PM
Methyl Butyl Ketone	< 0.30	0.30		ppbV	1	1/2/2021 6:24:00 PM
Methyl Ethyl Ketone	1.7	0.30		ppbV	1	1/2/2021 6:24:00 PM
Methyl Isobutyl Ketone	< 0.30	0.30		ppbV	1	1/2/2021 6:24:00 PM
Methyl tert-butyl ether	< 0.15	0.15		ppbV	1	1/2/2021 6:24:00 PM
Methylene chloride	0.73	0.15		ppbV	1	1/2/2021 6:24:00 PM
o-Xylene	0.14	0.15	J	ppbV	1	1/2/2021 6:24:00 PM
Propylene	< 0.15	0.15		ppbV	1	1/2/2021 6:24:00 PM
Styrene	0.21	0.15		ppbV	1	1/2/2021 6:24:00 PM
Tetrachloroethylene	3.5	1.5		ppbV	10	1/2/2021 9:18:00 PM
Tetrahydrofuran	0.44	0.15		ppbV	1	1/2/2021 6:24:00 PM
Toluene	1.1	0.15		ppbV	1	1/2/2021 6:24:00 PM
trans-1,2-Dichloroethene	< 0.15	0.15		ppbV	1	1/2/2021 6:24:00 PM
trans-1,3-Dichloropropene	< 0.15	0.15		ppbV	1	1/2/2021 6:24:00 PM
Trichloroethene	0.13	0.030		ppbV	1	1/2/2021 6:24:00 PM
Vinyl acetate	< 0.15	0.15		ppbV	1	1/2/2021 6:24:00 PM
Vinyl Bromide	< 0.15	0.15		ppbV	1	1/2/2021 6:24:00 PM
Vinyl chloride	< 0.040	0.040		ppbV	1	1/2/2021 6:24:00 PM
Surr: Bromofluorobenzene	100	47-124		%REC	1	1/2/2021 6:24:00 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: *12-Jan-21*

CLIENT:	LaBella Associates, P.C.	**Client Sample ID:**	Duplicate
Lab Order:	C2012057	**Tag Number:**	328,385
Project:	113-117 N Clinton SVI Heating Season	**Collection Date:**	12/29/2020
Lab ID:	C2012057-004A	**Matrix:**	AIR

Analyses	Result	DL	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	< 0.82	0.82		ug/m3	1	1/2/2021 6:24:00 PM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		ug/m3	1	1/2/2021 6:24:00 PM
1,1,2-Trichloroethane	< 0.82	0.82		ug/m3	1	1/2/2021 6:24:00 PM
1,1-Dichloroethane	< 0.61	0.61		ug/m3	1	1/2/2021 6:24:00 PM
1,1-Dichloroethene	< 0.16	0.16		ug/m3	1	1/2/2021 6:24:00 PM
1,2,4-Trichlorobenzene	< 1.1	1.1		ug/m3	1	1/2/2021 6:24:00 PM
1,2,4-Trimethylbenzene	1.2	0.74		ug/m3	1	1/2/2021 6:24:00 PM
1,2-Dibromoethane	< 1.2	1.2		ug/m3	1	1/2/2021 6:24:00 PM
1,2-Dichlorobenzene	< 0.90	0.90		ug/m3	1	1/2/2021 6:24:00 PM
1,2-Dichloroethane	< 0.61	0.61		ug/m3	1	1/2/2021 6:24:00 PM
1,2-Dichloropropane	< 0.69	0.69		ug/m3	1	1/2/2021 6:24:00 PM
1,3,5-Trimethylbenzene	1.7	0.74		ug/m3	1	1/2/2021 6:24:00 PM
1,3-butadiene	< 0.33	0.33		ug/m3	1	1/2/2021 6:24:00 PM
1,3-Dichlorobenzene	< 0.90	0.90		ug/m3	1	1/2/2021 6:24:00 PM
1,4-Dichlorobenzene	< 0.90	0.90		ug/m3	1	1/2/2021 6:24:00 PM
1,4-Dioxane	< 1.1	1.1		ug/m3	1	1/2/2021 6:24:00 PM
2,2,4-trimethylpentane	< 0.70	0.70		ug/m3	1	1/2/2021 6:24:00 PM
4-ethyltoluene	< 0.74	0.74		ug/m3	1	1/2/2021 6:24:00 PM
Acetone	28	7.1		ug/m3	10	1/2/2021 9:18:00 PM
Allyl chloride	< 0.47	0.47		ug/m3	1	1/2/2021 6:24:00 PM
Benzene	0.80	0.48		ug/m3	1	1/2/2021 6:24:00 PM
Benzyl chloride	< 0.86	0.86		ug/m3	1	1/2/2021 6:24:00 PM
Bromodichloromethane	< 1.0	1.0		ug/m3	1	1/2/2021 6:24:00 PM
Bromoform	< 1.6	1.6		ug/m3	1	1/2/2021 6:24:00 PM
Bromomethane	< 0.58	0.58		ug/m3	1	1/2/2021 6:24:00 PM
Carbon disulfide	< 0.47	0.47		ug/m3	1	1/2/2021 6:24:00 PM
Carbon tetrachloride	0.57	0.19		ug/m3	1	1/2/2021 6:24:00 PM
Chlorobenzene	< 0.69	0.69		ug/m3	1	1/2/2021 6:24:00 PM
Chloroethane	< 0.40	0.40		ug/m3	1	1/2/2021 6:24:00 PM
Chloroform	2.0	0.73		ug/m3	1	1/2/2021 6:24:00 PM
Chloromethane	< 0.31	0.31		ug/m3	1	1/2/2021 6:24:00 PM
cis-1,2-Dichloroethene	< 0.16	0.16		ug/m3	1	1/2/2021 6:24:00 PM
cis-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	1/2/2021 6:24:00 PM
Cyclohexane	< 0.52	0.52		ug/m3	1	1/2/2021 6:24:00 PM
Dibromochloromethane	< 1.3	1.3		ug/m3	1	1/2/2021 6:24:00 PM
Ethyl acetate	1.3	0.54		ug/m3	1	1/2/2021 6:24:00 PM
Ethylbenzene	0.48	0.65	J	ug/m3	1	1/2/2021 6:24:00 PM
Freon 11	1.4	0.84		ug/m3	1	1/2/2021 6:24:00 PM
Freon 113	< 1.1	1.1		ug/m3	1	1/2/2021 6:24:00 PM
Freon 114	< 1.0	1.0		ug/m3	1	1/2/2021 6:24:00 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: *12-Jan-21*

CLIENT:	LaBella Associates, P.C.	**Client Sample ID:**	Duplicate
Lab Order:	C2012057	**Tag Number:**	328,385
Project:	113-117 N Clinton SVI Heating Season	**Collection Date:**	12/29/2020
Lab ID:	C2012057-004A	**Matrix:**	AIR

Analyses	Result	DL	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		**TO-15**				Analyst: **RJP**
Freon 12	2.4	0.74		ug/m3	1	1/2/2021 6:24:00 PM
Heptane	1.0	0.61		ug/m3	1	1/2/2021 6:24:00 PM
Hexachloro-1,3-butadiene	< 1.6	1.6		ug/m3	1	1/2/2021 6:24:00 PM
Hexane	0.81	0.53		ug/m3	1	1/2/2021 6:24:00 PM
Isopropyl alcohol	20	3.7		ug/m3	10	1/2/2021 9:18:00 PM
m&p-Xylene	1.6	1.3		ug/m3	1	1/2/2021 6:24:00 PM
Methyl Butyl Ketone	< 1.2	1.2		ug/m3	1	1/2/2021 6:24:00 PM
Methyl Ethyl Ketone	4.9	0.88		ug/m3	1	1/2/2021 6:24:00 PM
Methyl Isobutyl Ketone	< 1.2	1.2		ug/m3	1	1/2/2021 6:24:00 PM
Methyl tert-butyl ether	< 0.54	0.54		ug/m3	1	1/2/2021 6:24:00 PM
Methylene chloride	2.5	0.52		ug/m3	1	1/2/2021 6:24:00 PM
o-Xylene	0.61	0.65	J	ug/m3	1	1/2/2021 6:24:00 PM
Propylene	< 0.26	0.26		ug/m3	1	1/2/2021 6:24:00 PM
Styrene	0.89	0.64		ug/m3	1	1/2/2021 6:24:00 PM
Tetrachloroethylene	24	10		ug/m3	10	1/2/2021 9:18:00 PM
Tetrahydrofuran	1.3	0.44		ug/m3	1	1/2/2021 6:24:00 PM
Toluene	4.1	0.57		ug/m3	1	1/2/2021 6:24:00 PM
trans-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	1/2/2021 6:24:00 PM
trans-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	1/2/2021 6:24:00 PM
Trichloroethene	0.70	0.16		ug/m3	1	1/2/2021 6:24:00 PM
Vinyl acetate	< 0.53	0.53		ug/m3	1	1/2/2021 6:24:00 PM
Vinyl Bromide	< 0.66	0.66		ug/m3	1	1/2/2021 6:24:00 PM
Vinyl chloride	< 0.10	0.10		ug/m3	1	1/2/2021 6:24:00 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\AS010210.D Vial: 10
Acq On : 2 Jan 2021 6:24 pm Operator: RJP
Sample : C2012057-004A Inst : MSD #1
Misc : A101_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jan 03 09:30:35 2021 Quant Results File: A101_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A101_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Sat Jan 02 10:49:46 2021
Response via : Initial Calibration
DataAcq Meth : 1UG_ENT

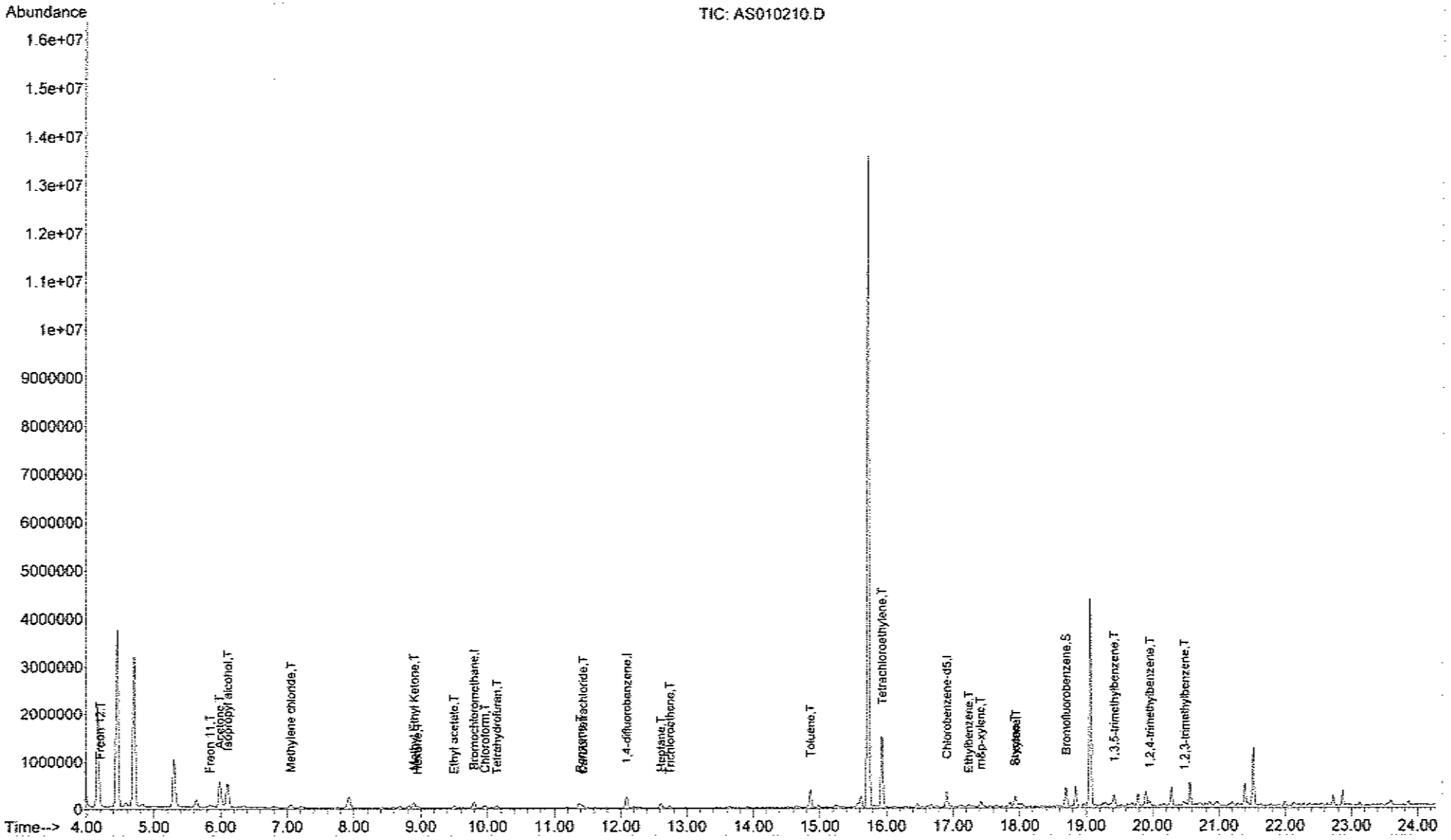
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	9.80	128	54643	1.00	ppb		0.02
35) 1,4-difluorobenzene	12.09	114	281164	1.00	ppb		0.00
50) Chlorobenzene-d5	16.91	117	253731	1.00	ppb		0.00
System Monitoring Compounds							
65) Bromofluorobenzene	18.70	95	186689	1.00	ppb		0.00
Spiked Amount 1.000	Range 70 - 130		Recovery = 100.00%				
Target Compounds							Qvalue
3) Freon 12	4.21	85	88069	0.49	ppb		100
14) Freon 11	5.84	101	48570	0.25	ppb		100
15) Acetone	5.99	58	378736	12.18	ppb	#	32
17) Isopropyl alcohol	6.10	45	551980	7.77	ppb	#	1
21) Methylene chloride	7.05	84	49897	0.73	ppb		98
28) Methyl Ethyl Ketone	8.90	72	61039	1.67	ppb	#	100
30) Hexane	8.95	57	26263m	0.23	ppb		
31) Ethyl acetate	9.50	43	72845	0.35	ppb		94
32) Chloroform	9.96	83	67656	0.41	ppb		97
33) Tetrahydrofuran	10.13	42	30527	0.44	ppb		98
38) Carbon tetrachloride	11.44	117	14041	0.09	ppb		99
39) Benzene	11.40	78	59416	0.25	ppb		99
43) Heptane	12.61	43	31679	0.25	ppb	#	72
44) Trichloroethene	12.74	130	15181	0.13	ppb		97
51) Toluene	14.86	92	199421	1.10	ppb		99
56) Tetrachloroethylene	15.93	164	440613	3.58	ppb		99
58) Ethylbenzene	17.23	91	43164	0.11	ppb		98
59) m&p-xylene	17.41	91	120072	0.38	ppb		99
61) Styrene	17.92	104	51268	0.21	ppb		99
63) o-xylene	17.95	91	47611	0.14	ppb		100
70) 1,3,5-trimethylbenzene	19.42	105	135856m	0.35	ppb		
71) 1,2,4-trimethylbenzene	19.95	105	93058	0.24	ppb		98
75) 1,2,3-trimethylbenzene	20.49	105	41585	0.11	ppb		91

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AS010210.D Vial: 10
Acq On : 2 Jan 2021 6:24 pm Operator: RJP
Sample : C2012057-004A Inst : MSD #1
Misc : A101_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jan 7 10:47 2021 Quant Results File: A101_1UG.RES

Method : C:\HPCHEM\1\METHODS\A101_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Tue Jan 12 09:46:09 2021
Response via : Initial Calibration



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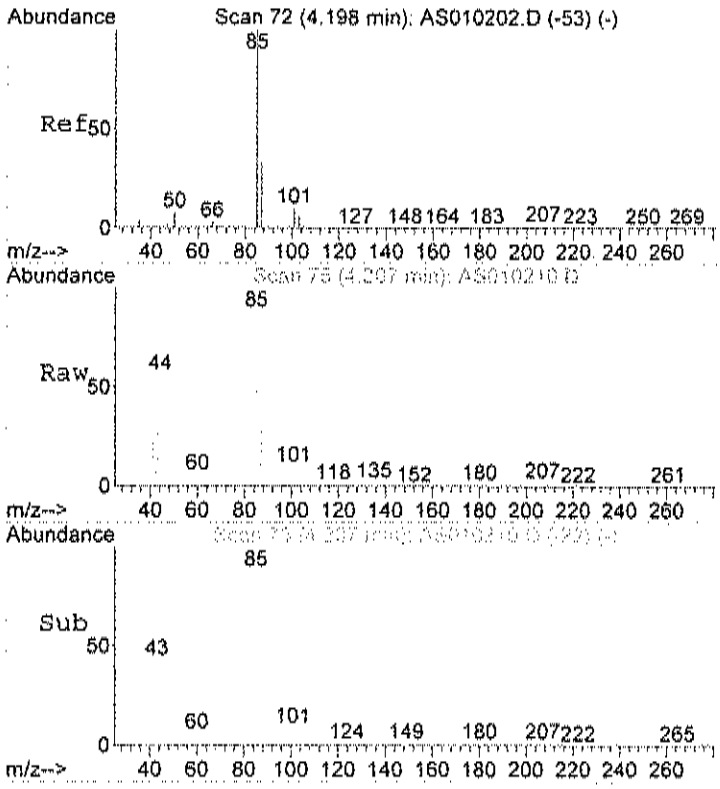
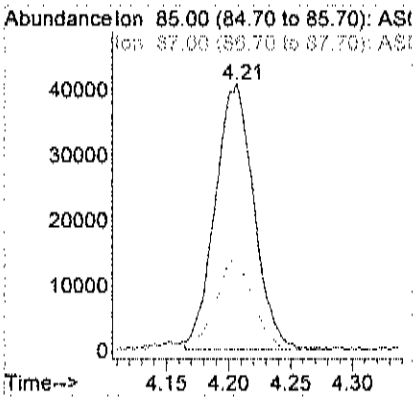
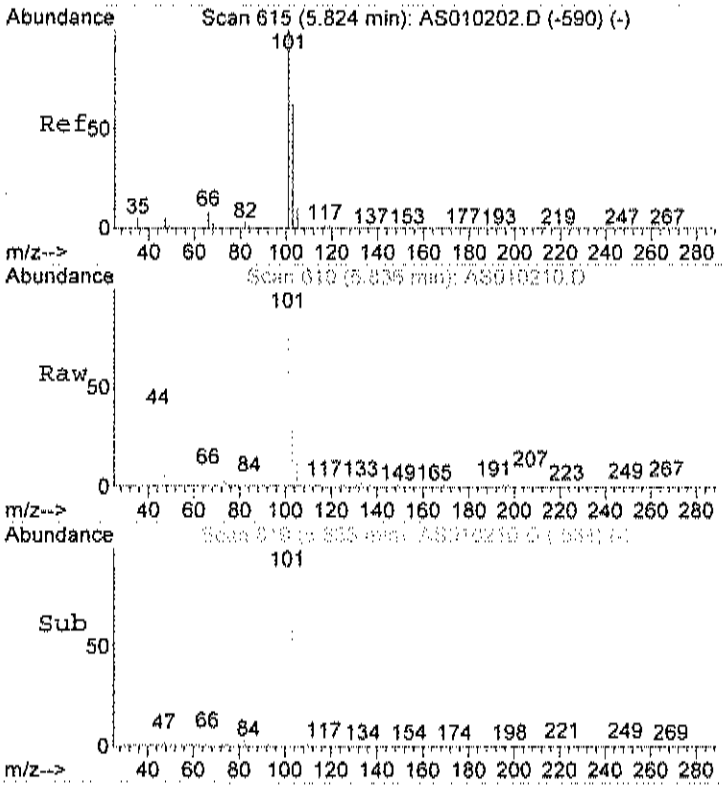


#3
Freon 12
Concen: 0.49 ppb
RT: 4.21 min Scan# 75
Delta R.T. 0.01 min
Lab File: AS010210.D
Acq: 2 Jan 2021 6:24 pm

Tgt Ion: 85 Resp: 88069

Ion	Ratio	Lower	Upper
85	100		
87	34.1	14.0	54.0

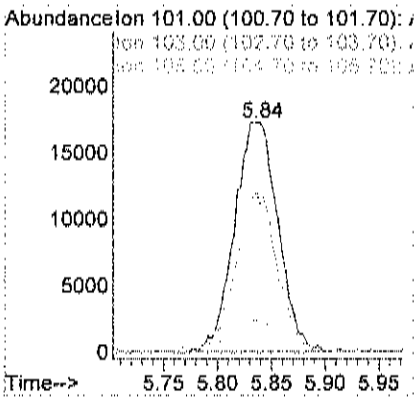


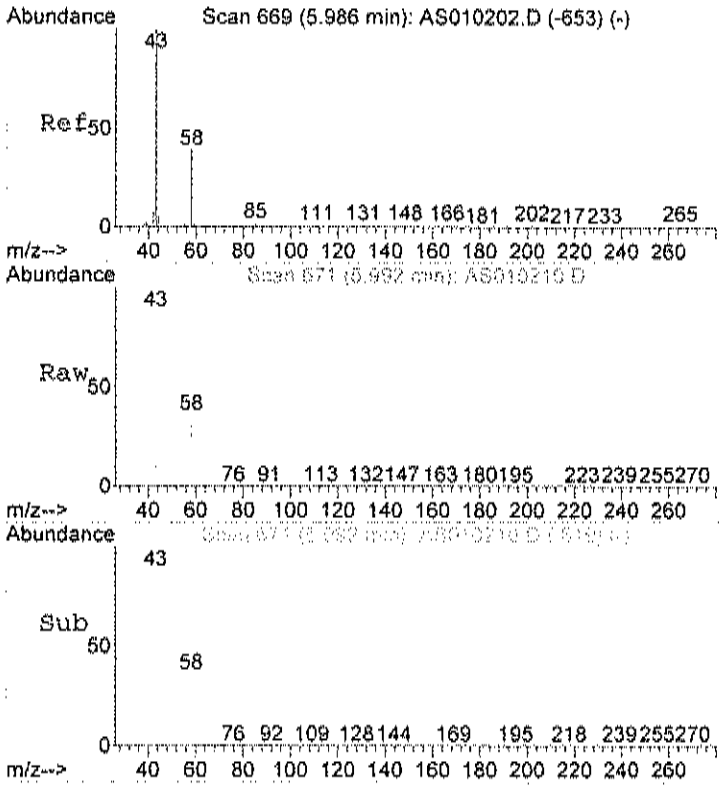


#14
Freon 11
Concen: 0.25 ppb
RT: 5.84 min Scan# 619
Delta R.T. 0.02 min
Lab File: AS010210.D
Acq: 2 Jan 2021 6:24 pm

Tgt Ion:101 Resp: 48570

Ion	Ratio	Lower	Upper
101	100		
103	64.3	44.1	84.1
105	11.7	0.0	31.3

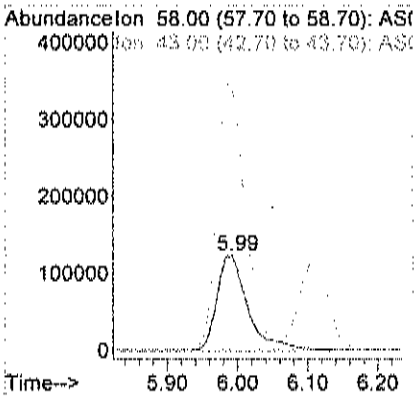


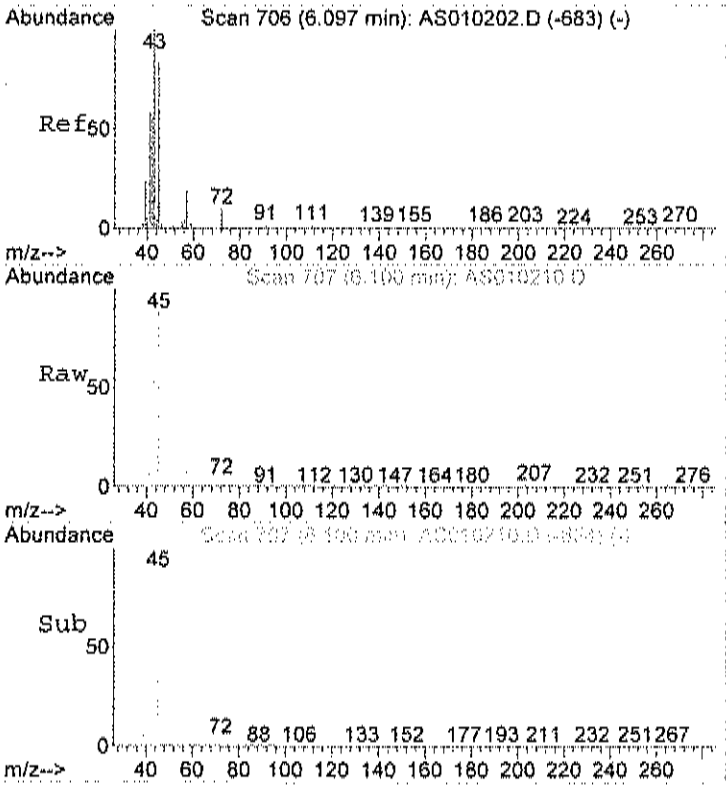


#15
Acetone
Concen: 12.18 ppb
RT: 5.99 min Scan# 671
Delta R.T. 0.01 min
Lab File: AS010210.D
Acq: 2 Jan 2021 6:24 pm

Tgt Ion: 58 Resp: 378736

Ion	Ratio	Lower	Upper
58	100		
43	336.4	195.2	255.2#

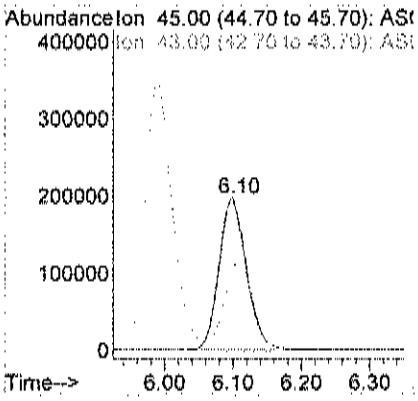


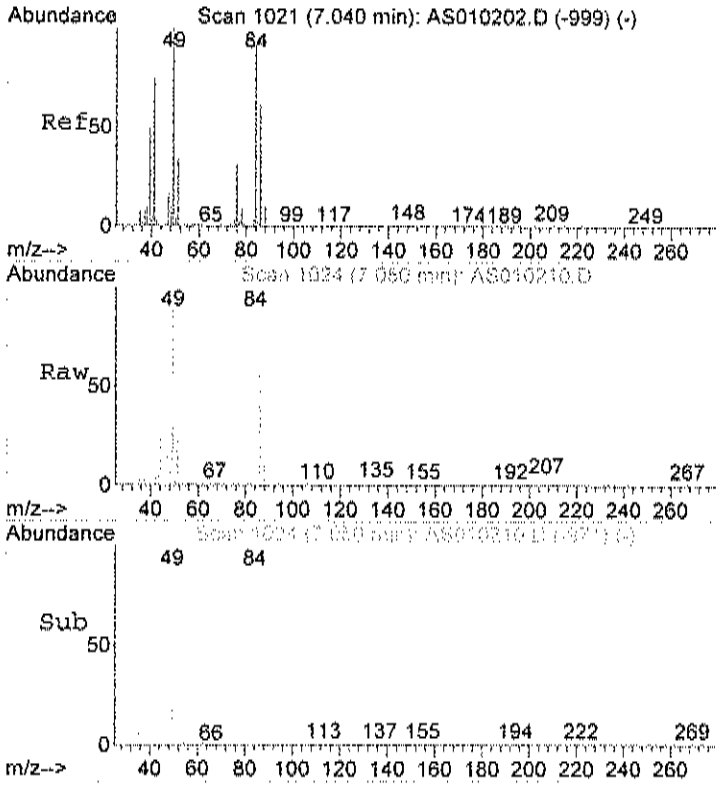


#17
Isopropyl alcohol
Concen: 7.77 ppb
RT: 6.10 min Scan# 707
Delta R.T. 0.01 min
Lab File: AS010210.D
Acq: 2 Jan 2021 6:24 pm

Tgt Ion: 45 Resp: 551980

Ion	Ratio	Lower	Upper
45	100		
43	0.0	103.4	143.4#

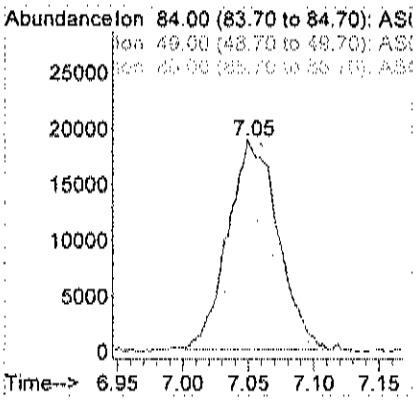


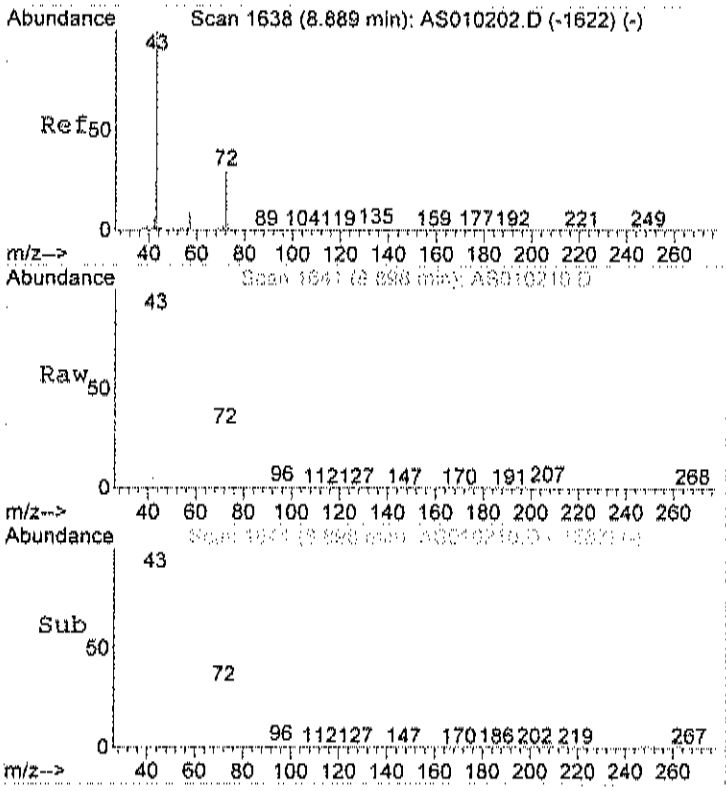


#21
Methylene chloride
Concen: 0.73 ppb
RT: 7.05 min Scan# 1024
Delta R.T. 0.01 min
Lab File: AS010210.D
Acq: 2 Jan 2021 6:24 pm

Tgt Ion: 84 Resp: 49897

Ion	Ratio	Lower	Upper
84	100		
49	111.9	94.8	134.8
86	66.0	46.1	86.1

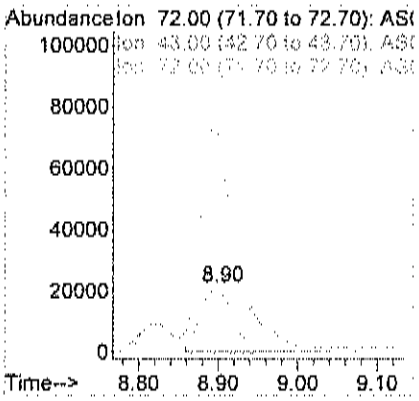


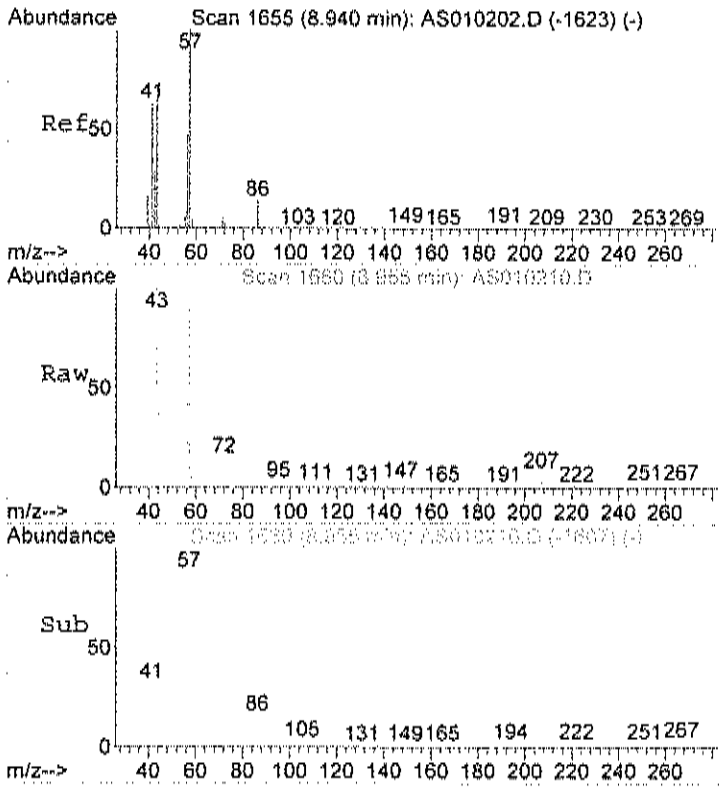


#28
Methyl Ethyl Ketone
Concen: 1.67 ppb
RT: 8.90 min Scan# 1641
Delta R.T. 0.01 min
Lab File: AS010210.D
Acq: 2 Jan 2021 6:24 pm

Tgt Ion: 72 Resp: 61039

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

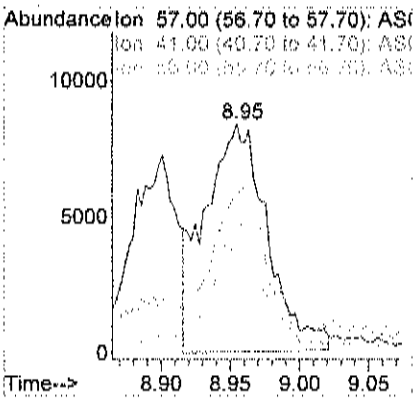


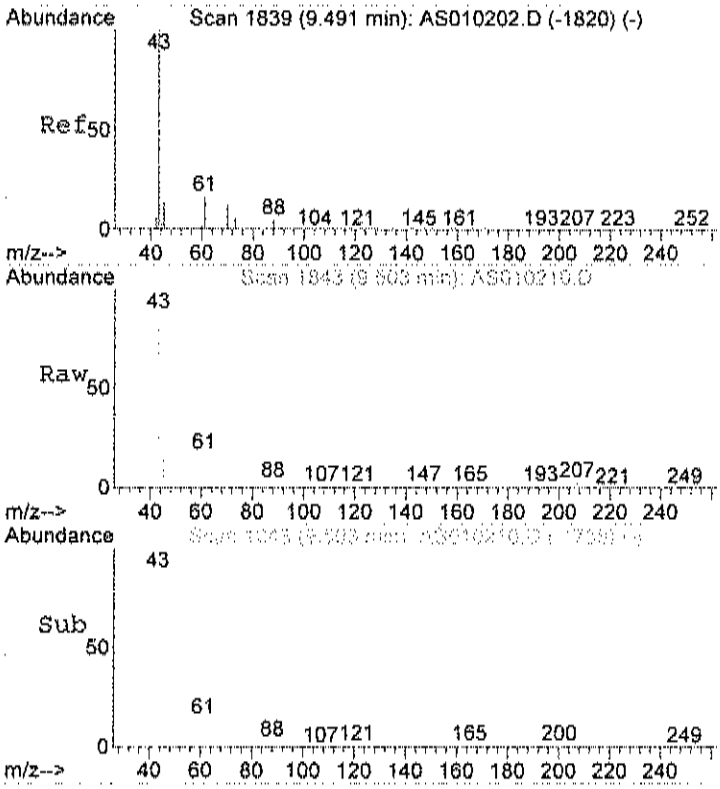


#30
Hexane
Concen: 0.23 ppb m
RT: 8.95 min Scan# 1660
Delta R.T. 0.01 min
Lab File: AS010210.D
Acq: 2 Jan 2021 6:24 pm

Tgt Ion: 57 Resp: 26263

Ion	Ratio	Lower	Upper
57	100		
41	65.2	41.3	81.3
56	39.5	28.7	68.7

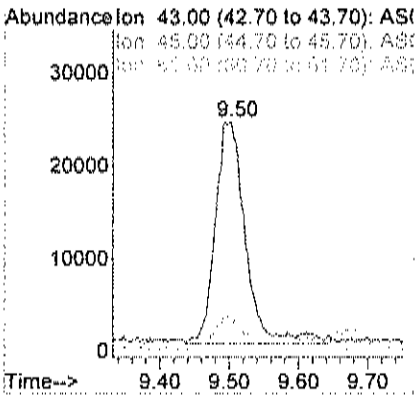


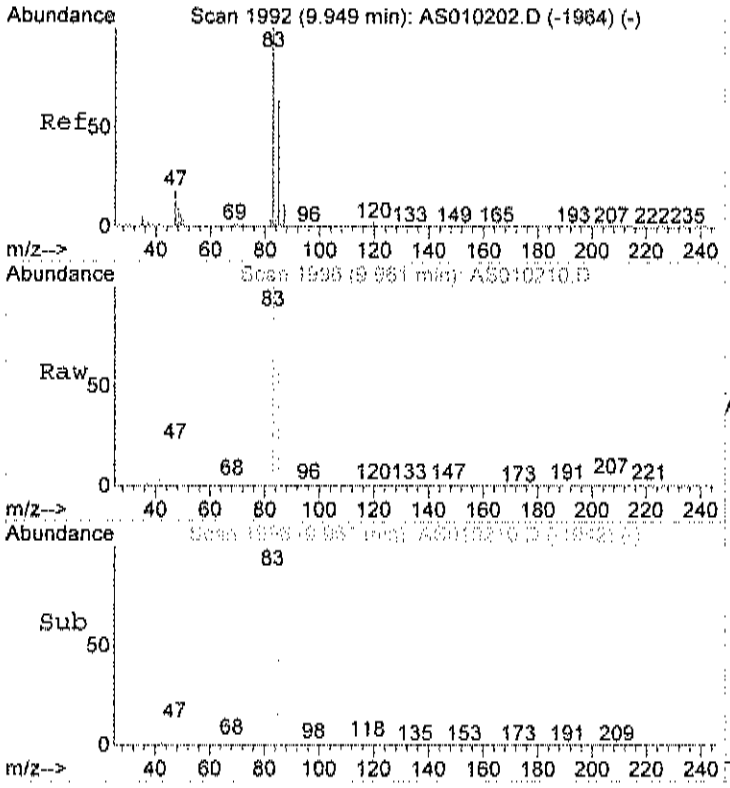


#31
Ethyl acetate
Concen: 0.35 ppb
RT: 9.50 min Scan# 1843
Delta R.T. 0.01 min
Lab File: AS010210.D
Acq: 2 Jan 2021 6:24 pm

Tgt Ion: 43 Resp: 72845

Ion	Ratio	Lower	Upper
43	100		
45	19.6	0.0	35.3
61	15.9	0.0	37.2

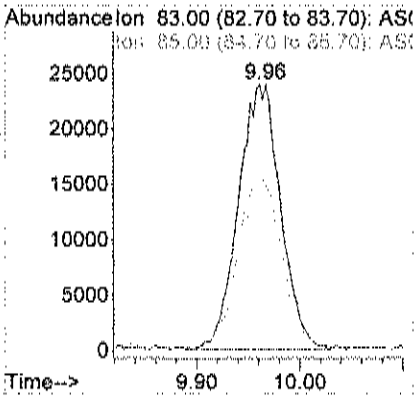


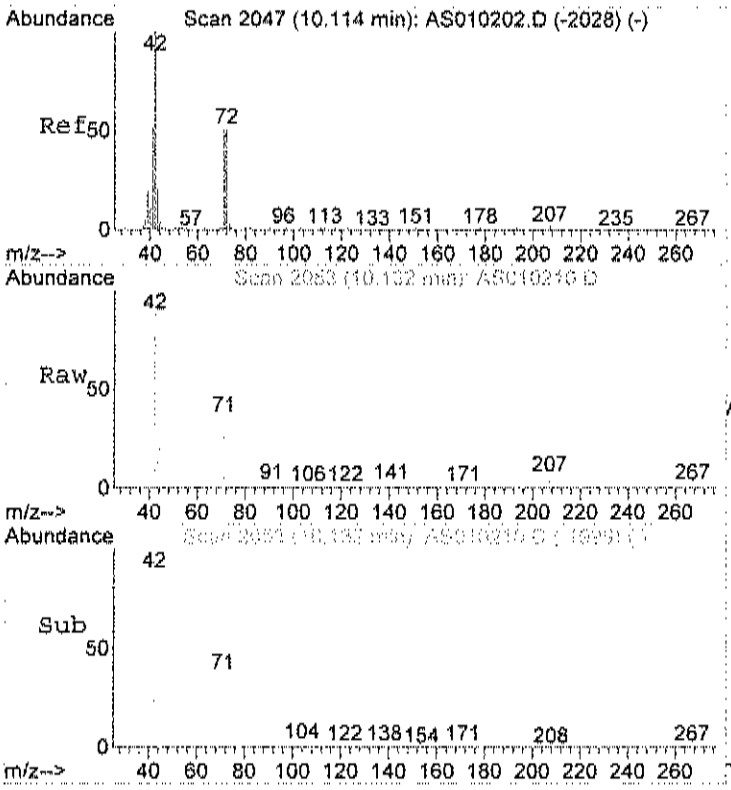


#32
Chloroform
Concen: 0.41 ppb
RT: 9.96 min Scan# 1996
Delta R.T. 0.01 min
Lab File: AS010210.D
Acq: 2 Jan 2021 6:24 pm

Tgt Ion: 83 Resp: 67656

Ion	Ratio	Lower	Upper
83	100		
85	67.8	45.4	85.4

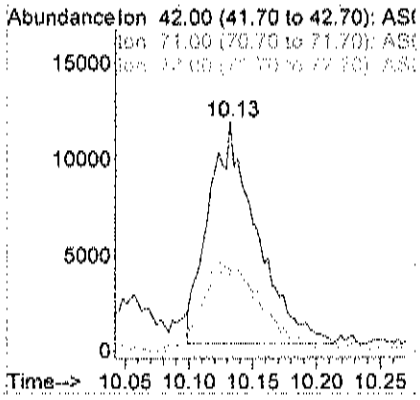


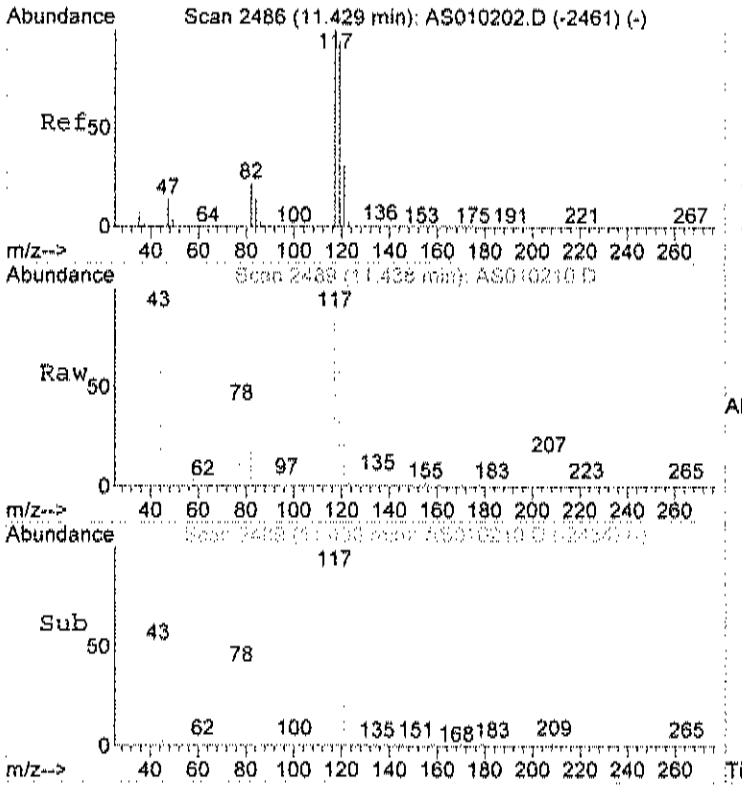


#33
Tetrahydrofuran
Concen: 0.44 ppb
RT: 10.13 min Scan# 2053
Delta R.T. 0.01 min
Lab File: AS010210.D
Acq: 2 Jan 2021 6:24 pm

Tgt Ion: 42 Resp: 30527

Ion	Ratio	Lower	Upper
42	100		
71	50.2	32.7	72.7
72	51.3	31.1	71.1

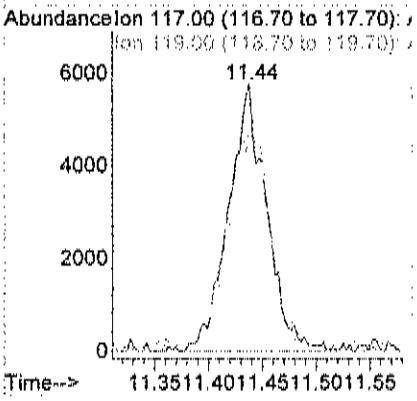


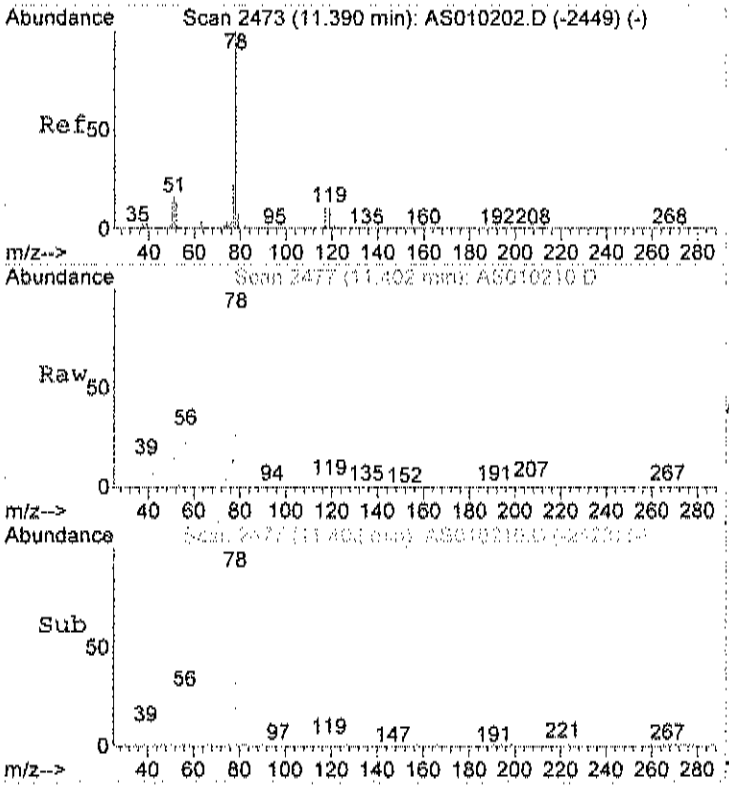


#38
Carbon tetrachloride
Concen: 0.09 ppb
RT: 11.44 min Scan# 2489
Delta R.T. 0.02 min
Lab File: AS010210.D
Acq: 2 Jan 2021 6:24 pm

Tgt Ion:117 Resp: 14041

Ion	Ratio	Lower	Upper
117	100		
119	96.4	75.8	115.8

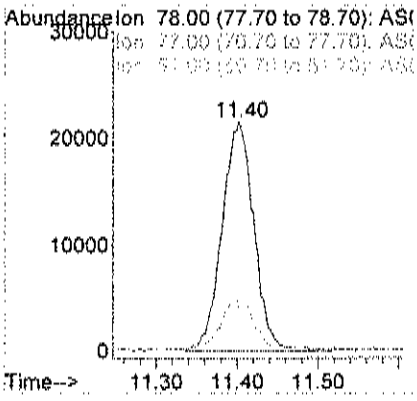


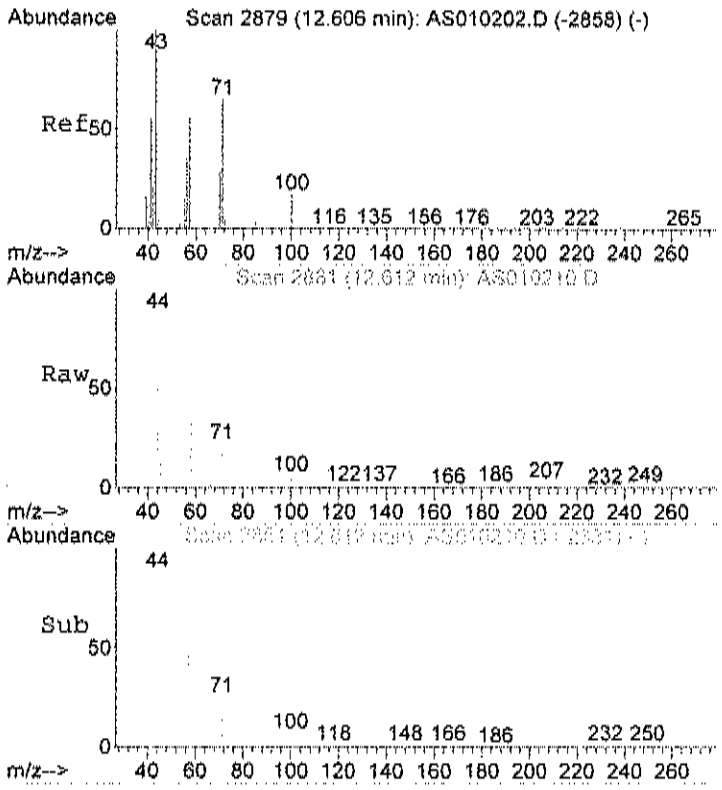


#39
Benzene
Concen: 0.25 ppb
RT: 11.40 min Scan# 2477
Delta R.T. 0.01 min
Lab File: AS010210.D
Acq: 2 Jan 2021 6:24 pm

Tgt Ion: 78 Resp: 59416

Ion	Ratio	Lower	Upper
78	100		
77	23.3	3.3	43.3
51	16.0	0.0	35.4

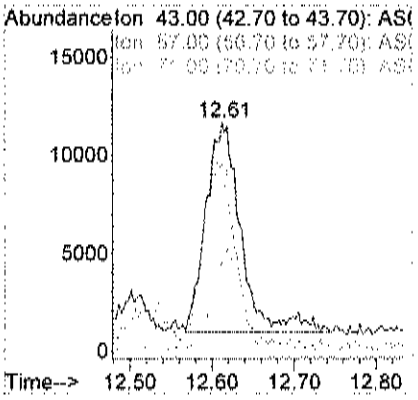


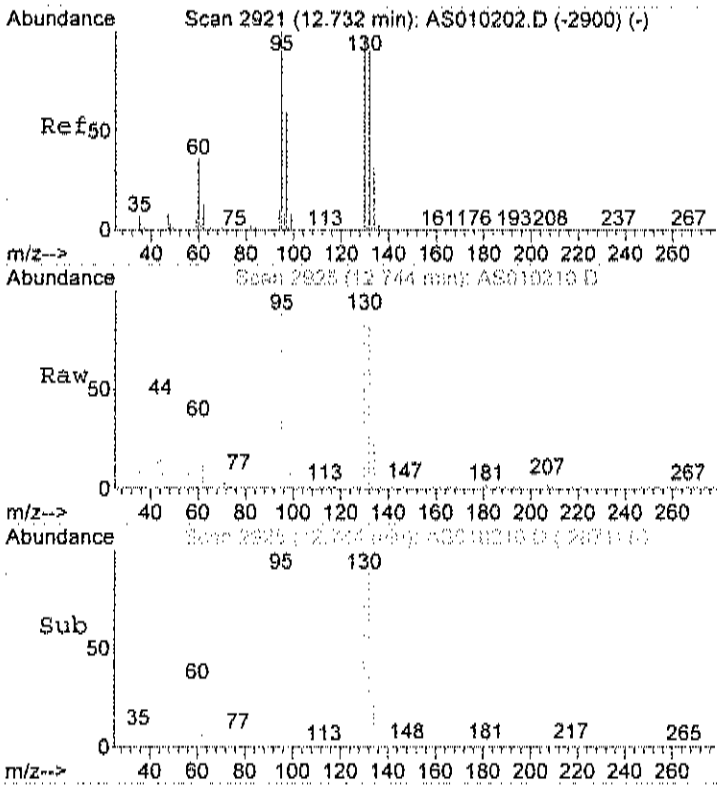


#43
Heptane
Concen: 0.25 ppb
RT: 12.61 min Scan# 2881
Delta R.T. 0.00 min
Lab File: AS010210.D
Acq: 2 Jan 2021 6:24 pm

Tgt Ion: 43 Resp: 31679

Ion	Ratio	Lower	Upper
43	100		
57	76.7	40.0	80.0
71	40.1	46.8	86.8#

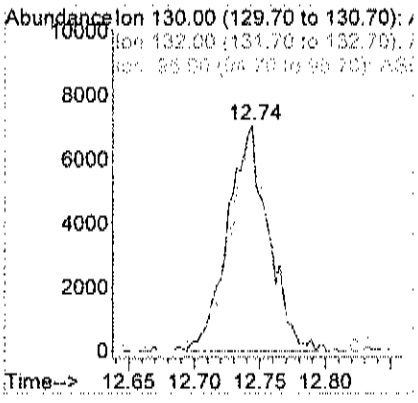


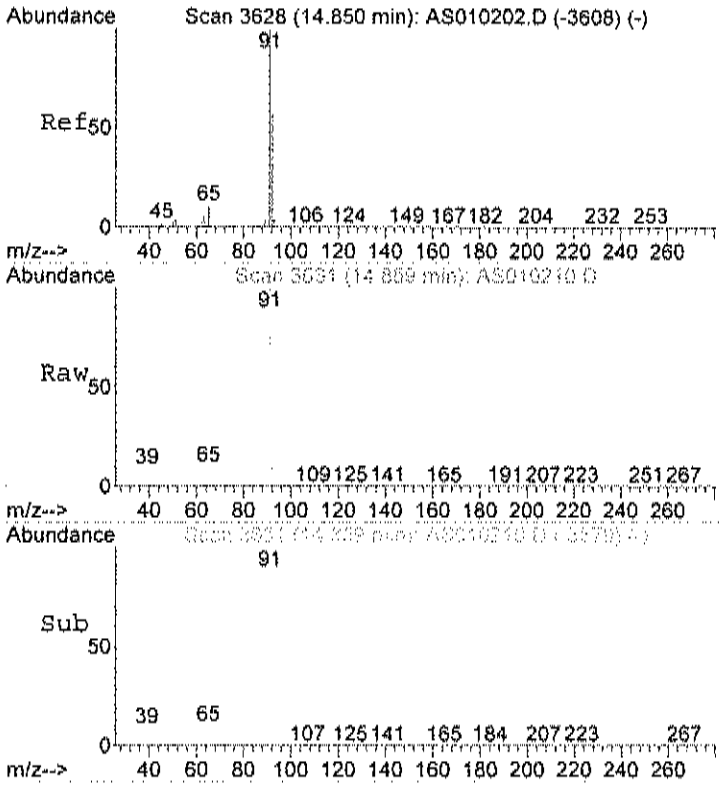


#44
Trichloroethene
Concen: 0.13 ppb
RT: 12.74 min Scan# 2925
Delta R.T. 0.01 min
Lab File: AS010210.D
Acq: 2 Jan 2021 6:24 pm

Tgt Ion:130 Resp: 15181

Ion	Ratio	Lower	Upper
130	100		
132	95.4	76.4	116.4
95	104.3	79.9	119.9

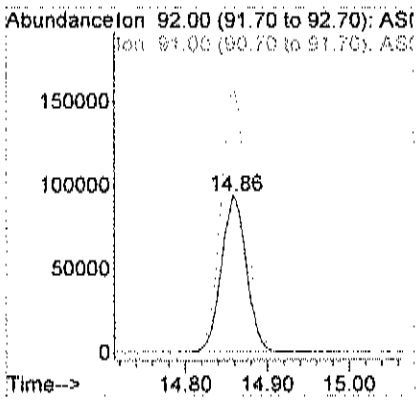


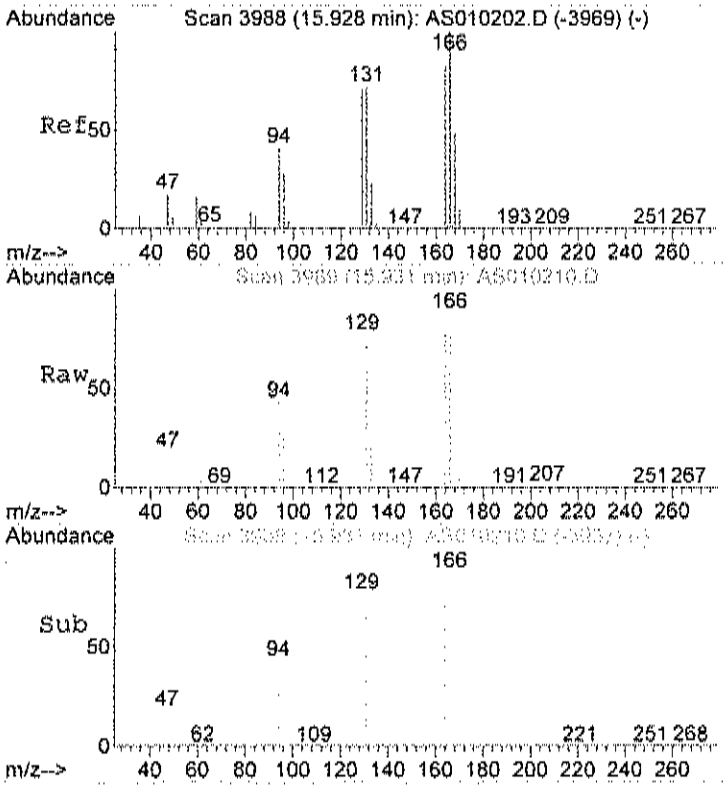


#51
Toluene
Concen: 1.10 ppb
RT: 14.86 min Scan# 3631
Delta R.T. 0.01 min
Lab File: AS010210.D
Acq: 2 Jan 2021 6:24 pm

Tgt Ion: 92 Resp: 199421

Ion	Ratio	Lower	Upper
92	100		
91	173.0	154.0	194.0

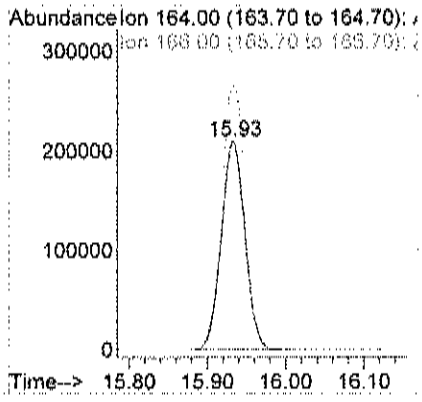


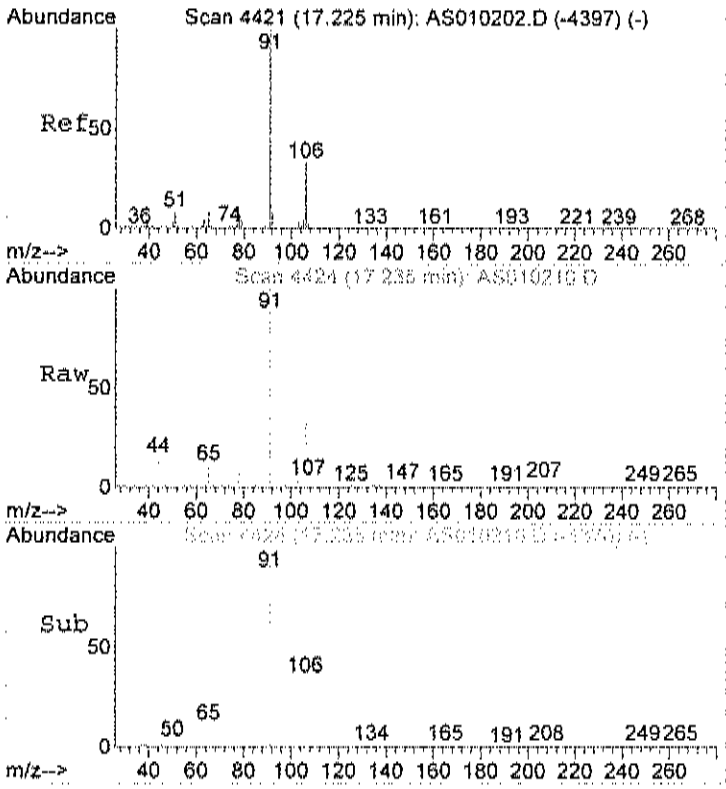


#56
Tetrachloroethylene
Concen: 3.58 ppb
RT: 15.93 min Scan# 3989
Delta R.T. 0.01 min
Lab File: AS010210.D
Acq: 2 Jan 2021 6:24 pm

Tgt Ion:164 Resp: 440613

Ion	Ratio	Lower	Upper
164	100		
166	129.0	110.5	150.5

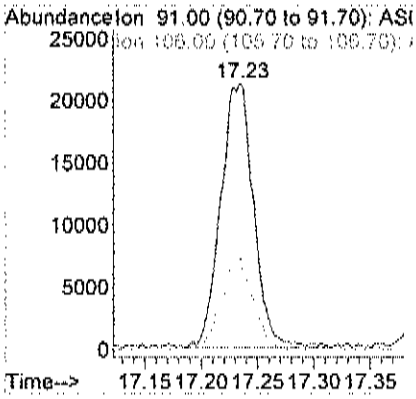


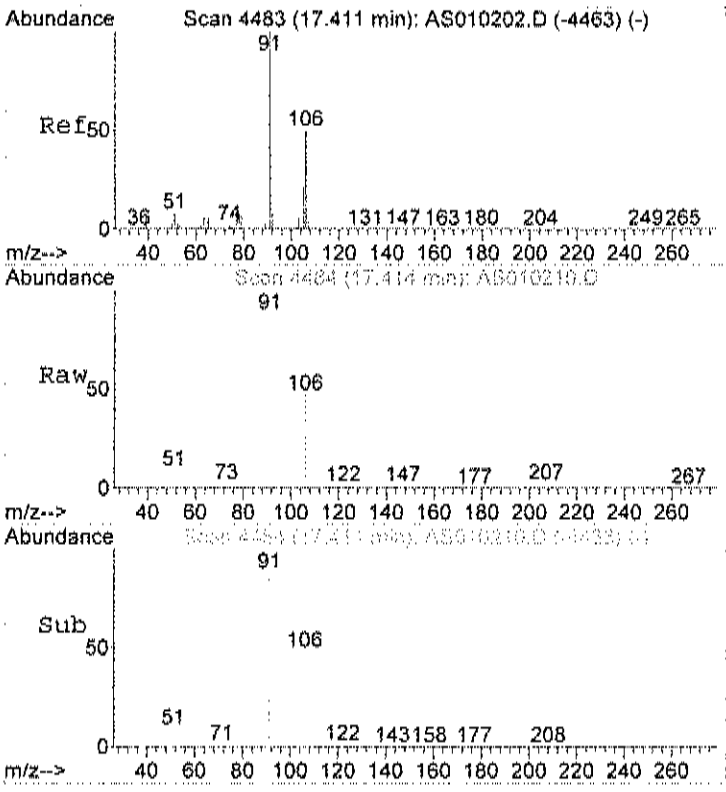


#58
Ethylbenzene
Concen: 0.11 ppb
RT: 17.23 min Scan# 4424
Delta R.T. 0.01 min
Lab File: AS010210.D
Acq: 2 Jan 2021 6:24 pm

Tgt Ion: 91 Resp: 43164

Ion	Ratio	Lower	Upper
91	100		
106	33.6	12.3	52.3

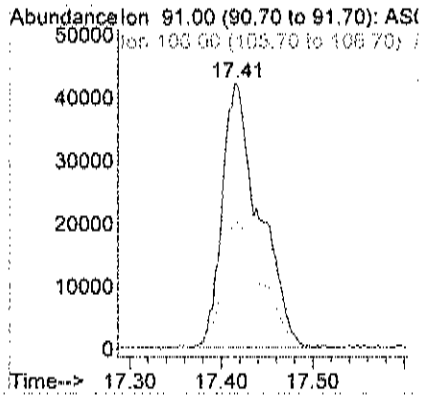


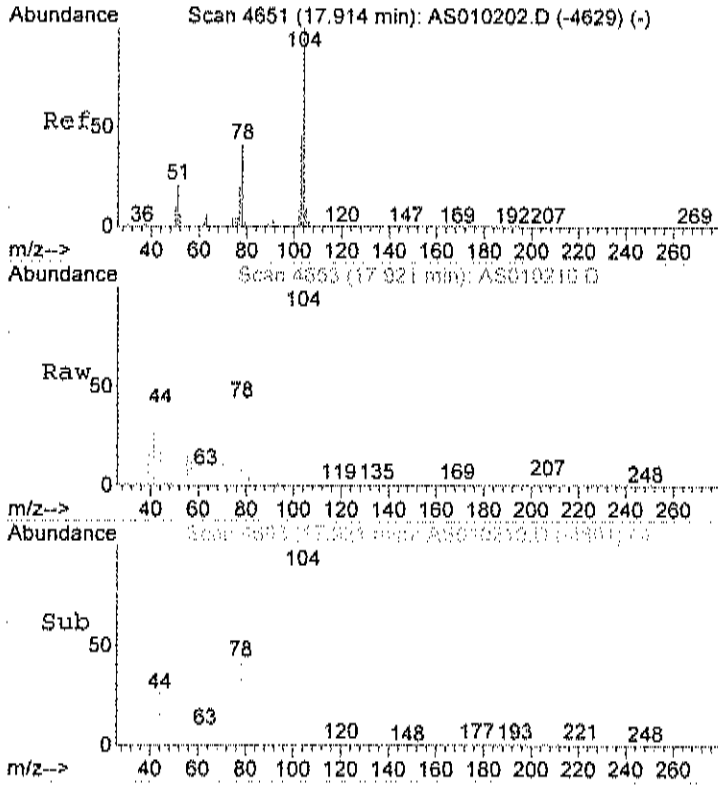


#59
m&p-xylene
Concen: 0.38 ppb
RT: 17.41 min Scan# 4484
Delta R.T. 0.00 min
Lab File: AS010210.D
Acq: 2 Jan 2021 6:24 pm

Tgt Ion: 91 Resp: 120072

Ion	Ratio	Lower	Upper
91	100		
106	49.8	30.4	70.4

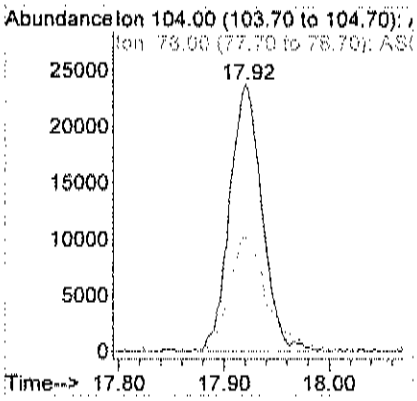


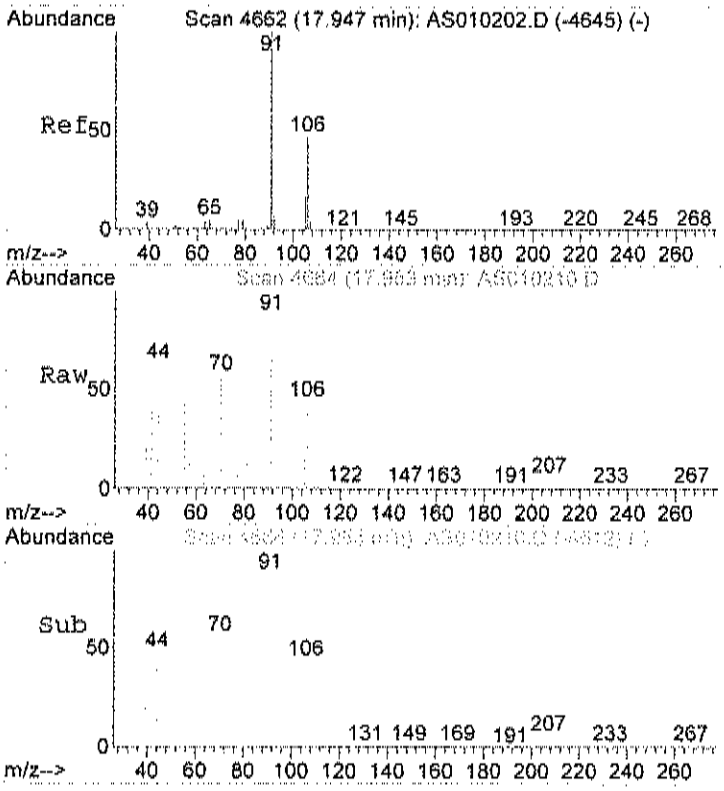


#61
Styrene
Concen: 0.21 ppb
RT: 17.92 min Scan# 4653
Delta R.T. 0.01 min
Lab File: AS010210.D
Acq: 2 Jan 2021 6:24 pm

Tgt Ion:104 Resp: 51268

Ion	Ratio	Lower	Upper
104	100		
78	49.4	28.5	68.5

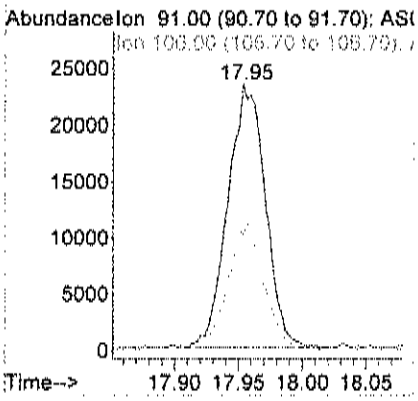


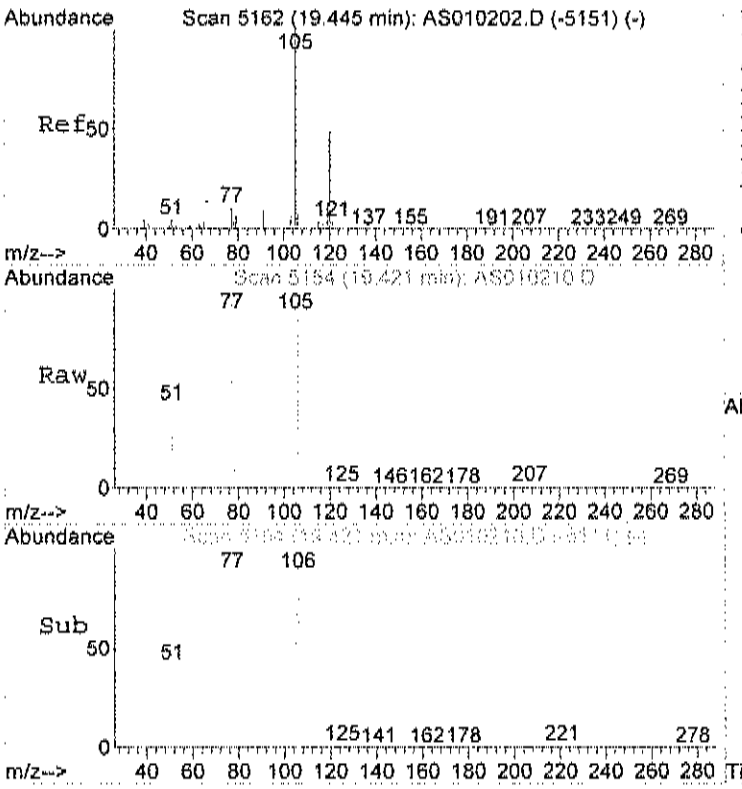


#63
o-xylene
Concen: 0.14 ppb
RT: 17.95 min Scan# 4664
Delta R.T. 0.01 min
Lab File: AS010210.D
Acq: 2 Jan 2021 6:24 pm

Tgt Ion: 91 Resp: 47611

Ion	Ratio	Lower	Upper
91	100		
106	47.9	28.2	68.2

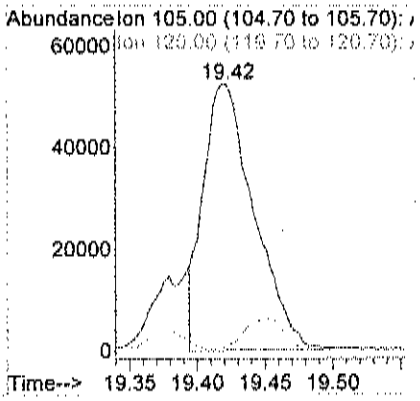


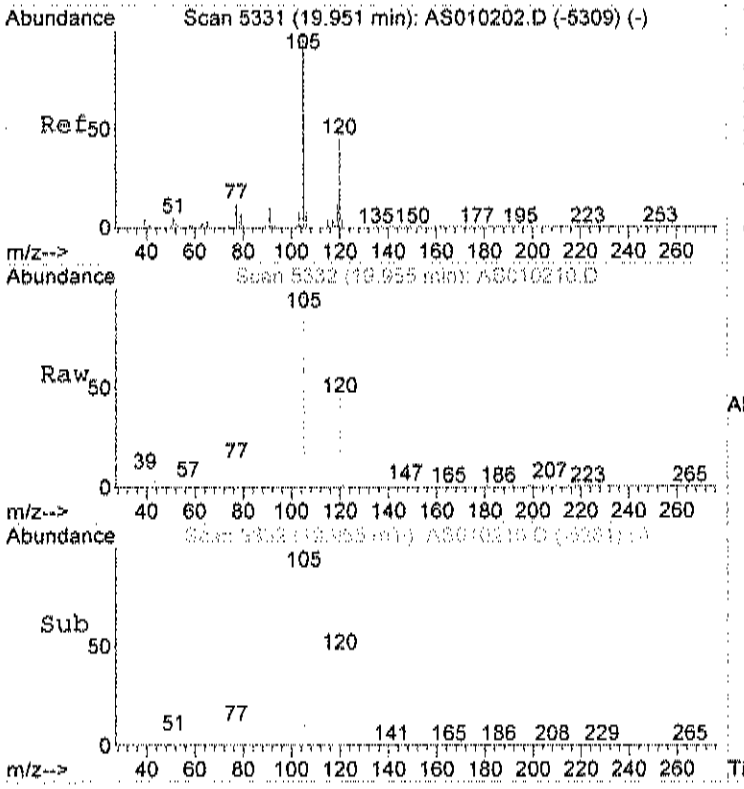


#70
1,3,5-trimethylbenzene
Concen: 0.35 ppb m
RT: 19.42 min Scan# 5154
Delta R.T. -0.02 min
Lab File: AS010210.D
Acq: 2 Jan 2021 6:24 pm

Tgt Ion:105 Resp: 135856

Ion	Ratio	Lower	Upper
105	100		
120	9.7	14.6	54.6#

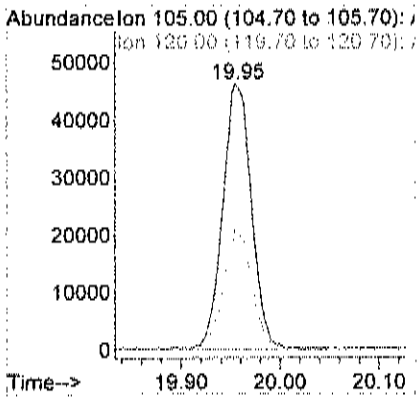


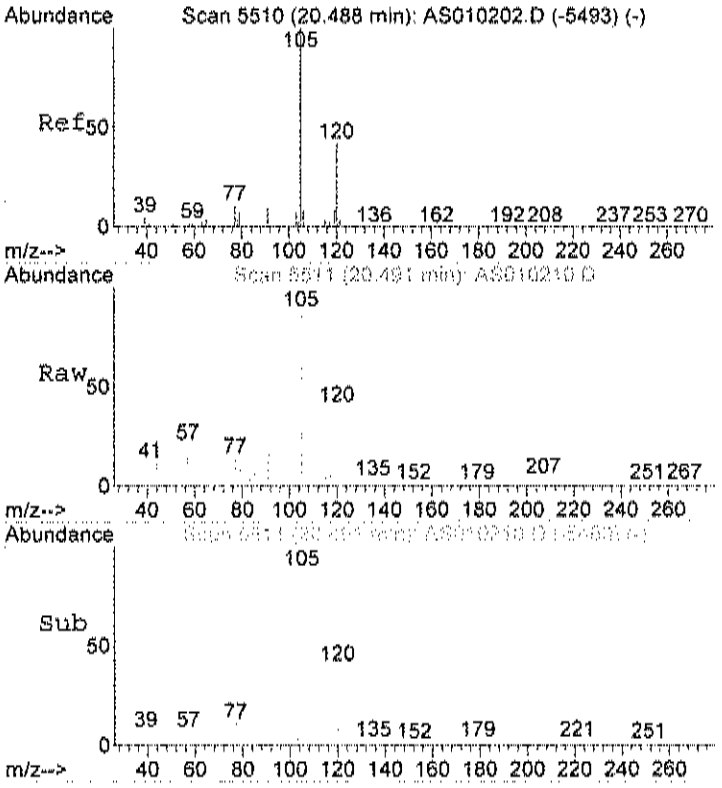


#71
1,2,4-trimethylbenzene
Concen: 0.24 ppb
RT: 19.95 min Scan# 5332
Delta R.T. 0.00 min
Lab File: AS010210.D
Acq: 2 Jan 2021 6:24 pm

Tgt Ion:105 Resp: 93058

Ion	Ratio	Lower	Upper
105	100		
120	44.7	26.0	66.0

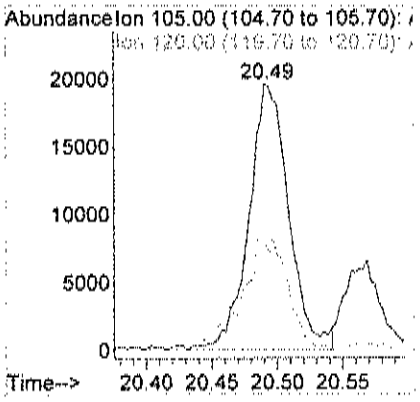




#75
1,2,3-trimethylbenzene
Concen: 0.11 ppb
RT: 20.49 min Scan# 5511
Delta R.T. 0.00 min
Lab File: AS010210.D
Acq: 2 Jan 2021 6:24 pm

Tgt Ion:105 Resp: 41585

Ion	Ratio	Lower	Upper
105	100		
120	49.5	32.8	54.6



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AS010214.D Vial: 14
Acq On : 2 Jan 2021 9:18 pm Operator: RJP
Sample : C2012057-004A 10X Inst : MSD #1
Misc : A101_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jan 03 09:30:39 2021 Quant Results File: A101_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A101_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Sat Jan 02 10:49:46 2021
Response via : Initial Calibration
DataAcq Meth : 1UG_ENT

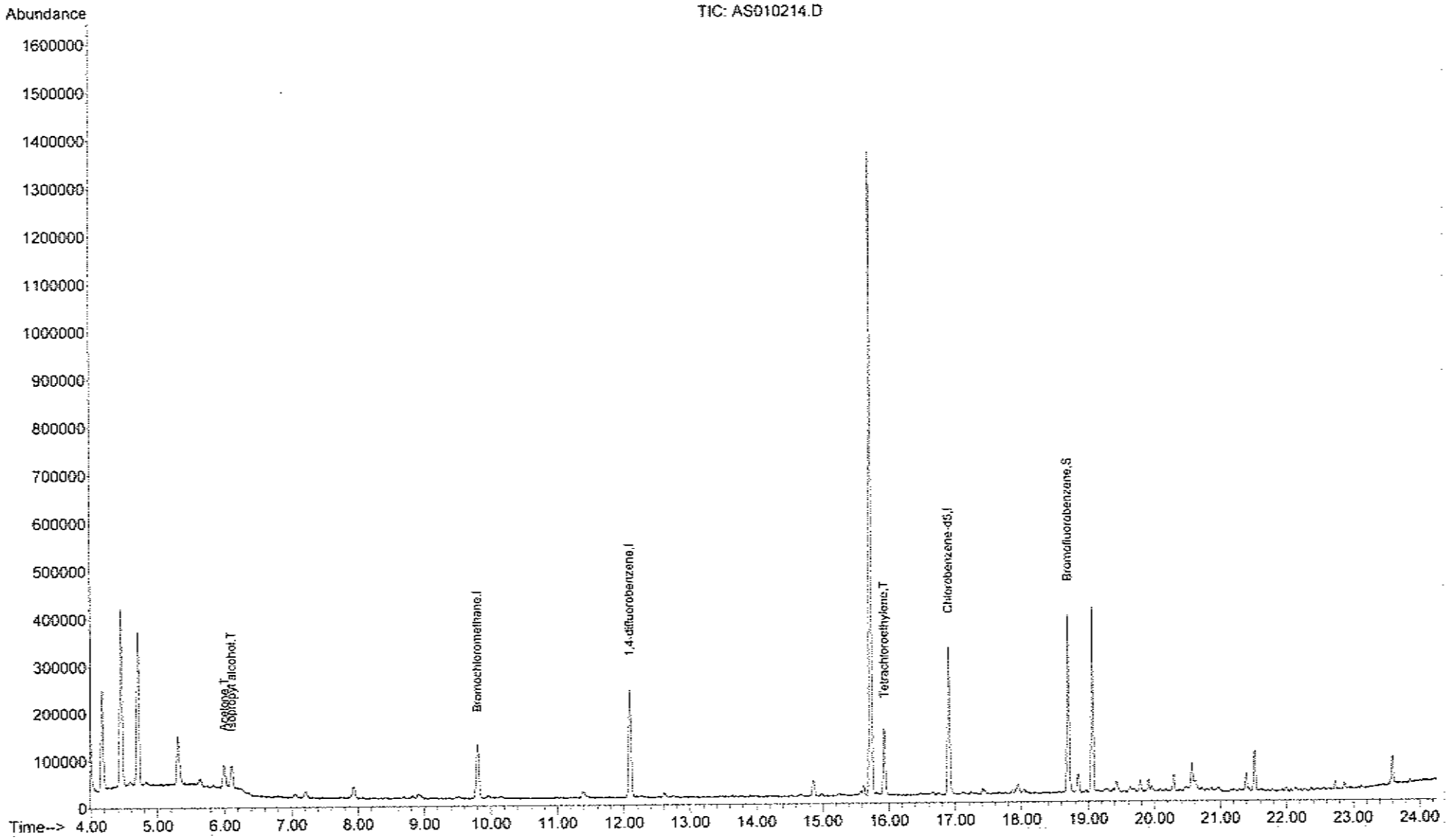
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	9.80	128	51644	1.00	ppb		0.02
35) 1,4-difluorobenzene	12.09	114	262314	1.00	ppb		0.00
50) Chlorobenzene-d5	16.90	117	235967	1.00	ppb		0.00
System Monitoring Compounds							
65) Bromofluorobenzene	18.70	95	173921	1.00	ppb		0.00
Spiked Amount 1.000	Range 70 - 130		Recovery = 100.00%				
Target Compounds							Qvalue
15) Acetone	6.00	58	35121	1.20	ppb	#	26
17) Isopropyl alcohol	6.11	45	54063	0.81	ppb	#	1
56) Tetrachloroethylene	15.93	164	40346	0.35	ppb		96

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

Quantitation Report (QT Reviewed)

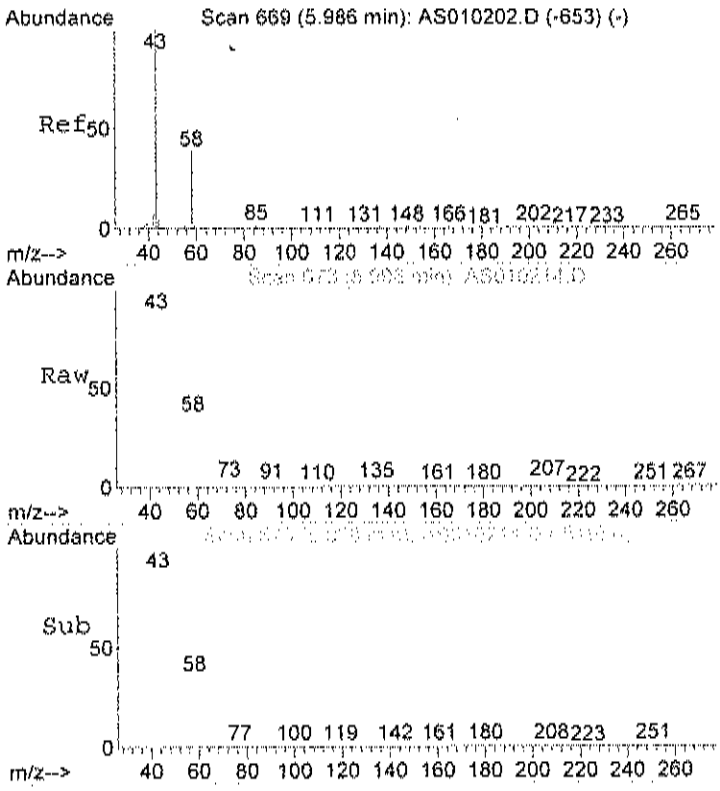
Data File : C:\HPCHEM\1\DATA\AS010214.D Vial: 14
Acq On : 2 Jan 2021 9:18 pm Operator: RJP
Sample : C2012057-004A 10X Inst : MSD #1
Misc : A101_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jan 7 10:52 2021 Quant Results File: A101_1UG.RES

Method : C:\HPCHEM\1\METHODS\A101_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Tue Jan 12 09:46:09 2021
Response via : Initial Calibration



AS010214.D A101_1UG.M Tue Jan 12 09:48:01 2021 MSD1

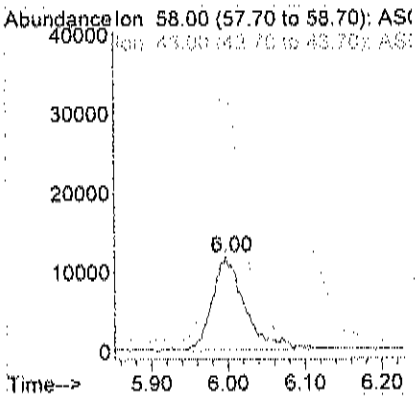
Centek Laboratories, LLC

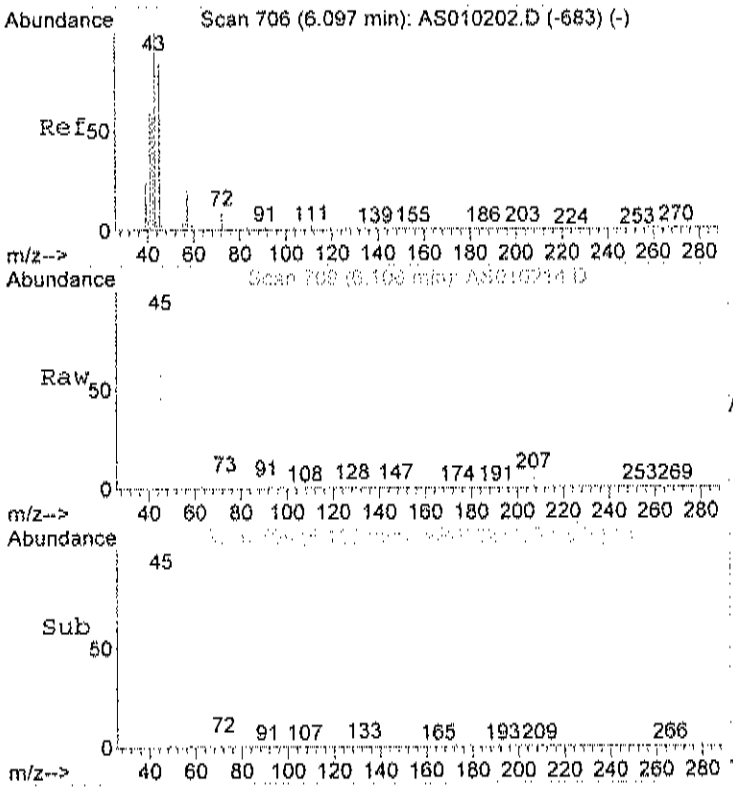


#15
Acetone
Concen: 1.20 ppb
RT: 6.00 min Scan# 673
Delta R.T. 0.01 min
Lab File: AS010214.D
Acq: 2 Jan 2021 9:18 pm

Tgt Ion: 58 Resp: 35121

Ion	Ratio	Lower	Upper
58	100		
43	345.4	195.2	255.2#

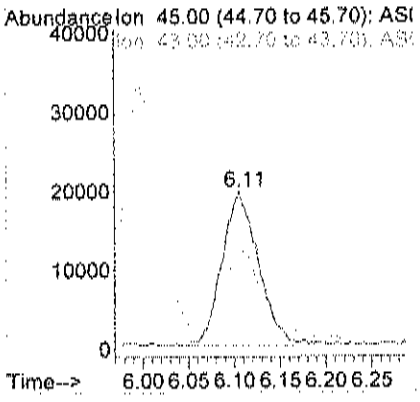


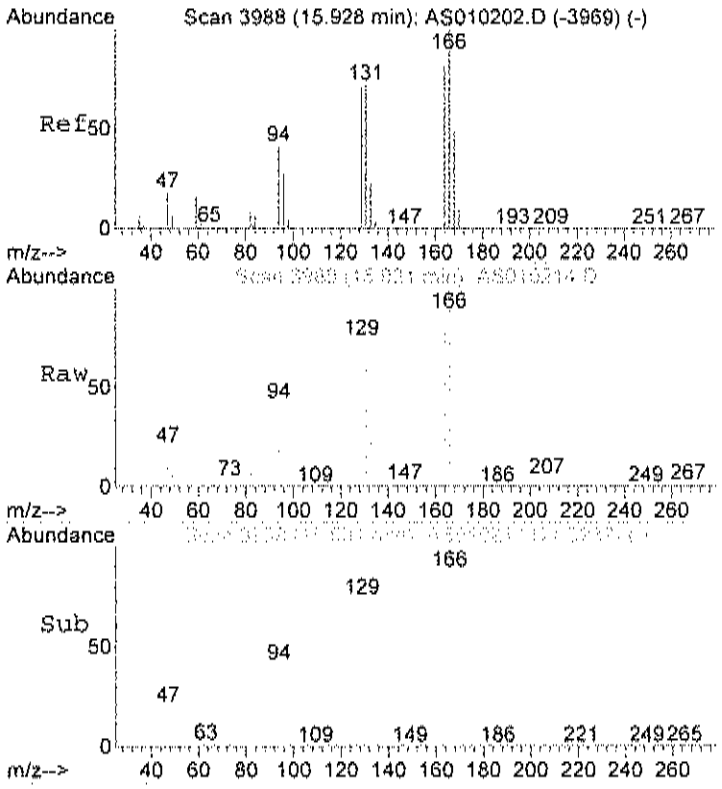


#17
Isopropyl alcohol
Concen: 0.81 ppb
RT: 6.11 min Scan# 709
Delta R.T. 0.01 min
Lab File: AS010214.D
Acq: 2 Jan 2021 9:18 pm

Tgt Ion: 45 Resp: 54063

Ion	Ratio	Lower	Upper
45	100		
43	0.0	103.4	143.4#

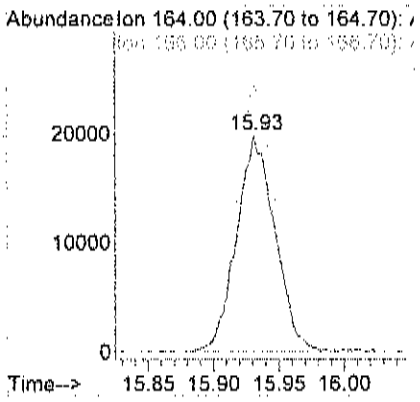




#56
Tetrachloroethylene
Concen: 0.35 ppb
RT: 15.93 min Scan# 3989
Delta R.T. 0.01 min
Lab File: AS010214.D
Acq: 2 Jan 2021 9:18 pm

Tgt Ion:164 Resp: 40346

Ion	Ratio	Lower	Upper
164	100		
166	126.0	110.5	150.5



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\A101_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Tue Jan 12 09:46:09 2021
Response via : Initial Calibration

Calibration Files
0.03 =AS010114.D 0.04 =AS010113.D 0.10 =AS010112.D
0.15 =AS010111.D 0.30 =AS010110.D 0.50 =AS010109.D

		Compound	0.03	0.04	0.10	0.15	0.30	0.50	Avg	%RSD
1)	I	Bromochloromethane	----------ISTD----------							
2)	T	Propylene				0.824	0.813	0.940	0.827	6.34
3)	T	Freon 12				3.070	3.307	3.355	3.314	3.44
4)	T	Chloromethane				0.602	0.611	0.615	0.607	1.99
5)	T	Freon 114				2.111	2.097	2.117	2.132	1.70
6)	T	Vinyl Chloride		0.805	0.607	0.764	0.629	0.623	0.655	10.70
7)	T	Butane				0.623	0.695	0.632	0.628	4.88
8)	T	1,3-butadiene				0.580	0.512	0.484	0.471	11.38
9)	T	Bromomethane				0.928	0.871	0.820	0.834	5.98
10)	T	Chloroethane				0.298	0.311	0.317	0.297	3.92
11)	T	Ethanol				0.131	0.150	0.113	0.131	9.93
12)	T	Acrolein				0.261	0.210	0.222	0.218	8.85
13)	T	Vinyl Bromide				1.252	0.834	0.820	0.863	18.33
14)	T	Freon 11				3.560	3.454	3.437	3.494	1.64
15)	T	Acetone				0.765	0.689	0.581	0.569	19.18
16)	T	Pentane				1.422	1.157	0.814	0.943	24.02
17)	T	Isopropyl alcoh				1.656	1.507	1.237	1.300	13.90
18)	T	1,1-dichloroeth		1.929	1.248	1.280	1.376	1.415	1.430	13.01
19)	T	Freon 113				2.634	2.826	2.882	2.885	4.06
20)	t	t-Butyl alcohol				2.448	2.491	2.689	2.592	3.74
21)	T	Methylene chlor				1.279	1.253	1.251	1.245	2.09
22)	T	Allyl chloride				1.557	1.378	1.463	1.459	4.28
23)	T	Carbon disulfid				5.077	4.372	4.192	4.184	9.52
24)	T	trans-1,2-dichl				1.690	1.821	1.805	1.814	3.18
25)	T	methyl tert-but				3.501	3.597	3.848	3.772	4.07
26)	T	1,1-dichloroeth				2.060	2.406	2.325	2.346	5.21
27)	T	Vinyl acetate				1.178	1.029	1.145	1.098	4.42
28)	T	Methyl Ethyl Ke				0.625	0.662	0.661	0.670	3.66
29)	T	cis-1,2-dichlor		2.317	1.434	1.610	1.748	1.832	1.812	12.32
30)	T	Hexane				1.916	2.070	2.167	2.129	4.57
31)	T	Ethyl acetate				3.557	3.733	3.829	3.776	2.98
32)	T	Chloroform				2.654	2.946	3.038	2.985	4.77
33)	T	Tetrahydrofuran				1.210	1.261	1.268	1.257	2.27
34)	T	1,2-dichloroeth				1.585	1.722	1.749	1.737	3.89
35)	I	1,4-difluorobenzene	----------ISTD----------							
36)	T	1,1,1-trichloro				0.616	0.589	0.626	0.618	2.10
37)	T	Cyclohexane				0.365	0.385	0.403	0.396	3.64
38)	T	Carbon tetrachl	0.469	0.736	0.524	0.527	0.570	0.581	0.586	11.57
39)	T	Benzene				0.740	0.818	0.855	0.848	5.66
40)	T	Methyl methacry				0.326	0.325	0.347	0.328	2.48
41)	T	1,4-dioxane				0.199	0.206	0.215	0.212	3.01
42)	T	2,2,4-trimethyl				1.072	1.209	1.228	1.222	5.17
43)	T	Heptane				0.417	0.458	0.445	0.443	3.17
44)	T	Trichloroethene	0.329	0.573	0.369	0.381	0.418	0.429	0.423	14.28
45)	T	1,2-dichloropro				0.269	0.312	0.316	0.315	6.14
46)	T	Bromodichlorome				0.518	0.578	0.587	0.590	5.34
47)	T	cis-1,3-dichlor				0.449	0.528	0.530	0.530	6.37
48)	T	trans-1,3-dichl				0.411	0.432	0.468	0.457	4.96
49)	T	1,1,2-trichloro				0.343	0.381	0.378	0.385	4.82
50)	I	Chlorobenzene-d5	----------ISTD----------							
51)	T	Toluene				0.655	0.716	0.705	0.716	3.73

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

Response Factor Report MSD #1

Method : C:\HPCHEM\1\METHODS\A101_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Tue Jan 12 09:46:09 2021
Response via : Initial Calibration

Calibration Files
0.03 =AS010114.D 0.04 =AS010113.D 0.10 =AS010112.D
0.15 =AS010111.D 0.30 =AS010110.D 0.50 =AS010109.D

		Compound	0.03	0.04	0.10	0.15	0.30	0.50	Avg	%RSD
52)	T	Methyl Isobutyl				0.591	0.652	0.614	0.629	2.98
53)	T	Dibromochlorome				0.538	0.606	0.637	0.642	7.58
54)	T	Methyl Butyl Ke				0.511	0.544	0.542	0.564	4.98
55)	T	1,2-dibromoetha				0.556	0.628	0.671	0.664	7.44
56)	T	Tetrachloroethy				0.421	0.465	0.485	0.486	6.10
57)	T	Chlorobenzene				0.835	0.953	0.971	0.985	6.80
58)	T	Ethylbenzene				1.381	1.548	1.578	1.586	5.67
59)	T	m&p-xylene				1.076	1.206	1.245	1.250	6.22
60)	T	Nonane				0.618	0.731	0.723	0.724	6.10
61)	T	Styrene				0.791	0.935	0.968	0.982	8.79
62)	T	Bromoform				0.376	0.424	0.440	0.459	9.36
63)	T	o-xylene				1.120	1.263	1.294	1.305	6.39
64)	T	Cumene				1.523	1.728	1.824	1.802	6.84
65)	S	Bromofluorobenz	0.697	0.732	0.724	0.730	0.731	0.744	0.737	2.44
66)	T	1,1,2,2-tetrach				0.784	0.918	0.909	0.939	7.45
67)	T	Propylbenzene				0.435	0.487	0.505	0.512	7.02
68)	T	2-Chlorotoluene				0.413	0.456	0.460	0.471	5.81
69)	T	4-ethyltoluene				1.441	1.673	1.736	1.770	8.61
70)	T	1,3,5-trimethyl				1.319	1.458	1.513	1.527	6.40
71)	T	1,2,4-trimethyl				1.404	1.480	1.519	1.558	5.20
72)	T	1,3-dichloroben				0.751	0.934	0.990	1.006	11.61
73)	T	benzyl chloride				0.729	0.852	0.952	0.994	13.98
74)	T	1,4-dichloroben				0.732	0.891	0.957	0.985	12.32
75)	T	1,2,3-trimethyl				1.315	1.429	1.455	1.485	5.48
76)	T	1,2-dichloroben				0.702	0.872	0.936	0.945	11.79
77)	T	1,2,4-trichloro				0.440	0.438	0.495	0.564	17.32
78)	T	Naphthalene				1.126	1.103	1.246	1.368	13.72
79)	T	Hexachloro-1,3-				0.541	0.645	0.699	0.713	11.59

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AS010104.D
Acq On : 1 Jan 2021 8:26 pm
Sample : A1UG_2.0
Misc : A101_1UG
MS Integration Params: RTEINT.P
Quant Time: Jan 02 08:57:18 2021

Vial: 3
Operator: RJP
Inst : MSD #1
Multiplr: 1.00
Quant Results File: A101_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A101_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Sat Jan 02 08:55:32 2021
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AS010107.D
DataAcq Meth : 1UG_ENT

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	9.79	128	69255	1.00	ppb		0.00
35) 1,4-difluorobenzene	12.08	114	351010	1.00	ppb		0.00
50) Chlorobenzene-d5	16.90	117	318351	1.00	ppb		0.00
System Monitoring Compounds							
65) Bromofluorobenzene	18.69	95	241477	1.01	ppb		0.00
Spiked Amount 1.000	Range 70 - 130		Recovery = 101.00%				
Target Compounds							Qvalue
2) Propylene	4.15	41	106048	1.92	ppb		96
3) Freon 12	4.20	85	448668	1.92	ppb		98
4) Chloromethane	4.40	50	82176	2.00	ppb		98
5) Freon 114	4.40	85	289762	1.96	ppb		98
6) Vinyl Chloride	4.59	62	83104	1.89	ppb		96
7) Butane	4.69	43	81087	1.88	ppb		97
8) 1,3-butadiene	4.69	39	58845	1.83	ppb		96
9) Bromomethane	5.04	94	106656	1.91	ppb		99
10) Chloroethane	5.21	64	39825	2.02	ppb		95
11) Ethanol	5.31	45	17783m	1.87	ppb		
12) Acrolein	5.88	56	27067	1.79	ppb		95
13) Vinyl Bromide	5.55	106	108093	1.96	ppb		99
14) Freon 11	5.82	101	473151	1.94	ppb		98
15) Acetone	5.99	58	74239	2.22	ppb		89
16) Pentane	6.10	42	109598	1.95	ppb		95
17) Isopropyl alcohol	6.09	45	158950	1.91	ppb		98
18) 1,1-dichloroethene	6.59	96	190700	1.93	ppb		98
19) Freon 113	6.79	101	396759	1.91	ppb		99
20) t-Butyl alcohol	6.81	59	352131	1.86	ppb		98
21) Methylene chloride	7.04	84	164826	1.92	ppb		100
22) Allyl chloride	7.03	41	189950	1.82	ppb		95
23) Carbon disulfide	7.20	76	527110	1.89	ppb		97
24) trans-1,2-dichloroethene	7.98	61	248386	1.91	ppb		98
25) methyl tert-butyl ether	8.00	73	514282	1.91	ppb		99
26) 1,1-dichloroethane	8.40	63	321729	1.91	ppb		97
27) Vinyl acetate	8.39	43	149990	1.96	ppb		99
28) Methyl Ethyl Ketone	8.89	72	91558	1.86	ppb	#	100
29) cis-1,2-dichloroethene	9.34	61	249228	1.94	ppb		98
30) Hexane	8.95	57	294126	1.92	ppb		97
31) Ethyl acetate	9.48	43	511603	1.93	ppb		99
32) Chloroform	9.95	83	412926	1.94	ppb		99
33) Tetrahydrofuran	10.11	42	171202	1.90	ppb		98
34) 1,2-dichloroethane	11.07	62	238636	1.95	ppb		100
36) 1,1,1-trichloroethane	10.77	97	430241	1.96	ppb		99
37) Cyclohexane	11.48	56	281252	1.97	ppb		99
38) Carbon tetrachloride	11.42	117	427184	2.01	ppb		99
39) Benzene	11.39	78	608690	1.97	ppb		98
40) Methyl methacrylate	12.97	41	225697	1.98	ppb		99
41) 1,4-dioxane	12.97	88	148970	2.00	ppb		97
42) 2,2,4-trimethylpentane	12.26	57	872844	1.97	ppb		98
43) Heptane	12.61	43	312785	2.00	ppb		98
44) Trichloroethene	12.73	130	303424	1.99	ppb		99
45) 1,2-dichloropropane	12.84	63	225859	1.97	ppb		98

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AS010104.D Vial: 3
Acq On : 1 Jan 2021 8:26 pm Operator: RJP
Sample : A1UG_2.0 Inst : MSD #1
Misc : A101_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jan 02 08:57:18 2021 Quant Results File: A101_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A101_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Sat Jan 02 08:55:32 2021
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AS010107.D
DataAcq Meth : 1UG_ENT

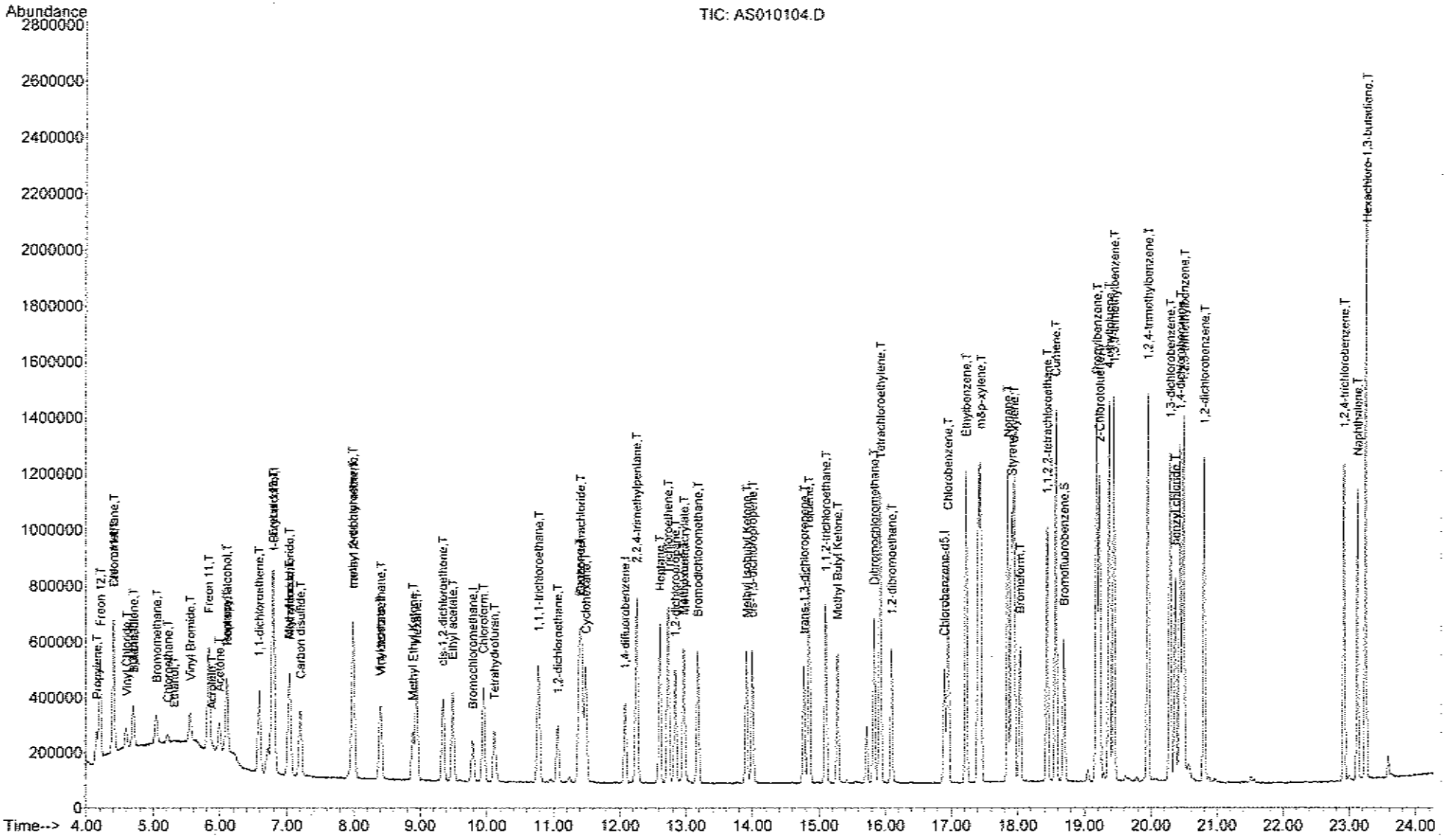
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
46)	Bromodichloromethane	13.18	83	422904	1.96 ppb	99
47)	cis-1,3-dichloropropene	14.00	75	380372	1.98 ppb	98
48)	trans-1,3-dichloropropene	14.77	75	328450	2.00 ppb	97
49)	1,1,2-trichloroethane	15.10	97	277343	2.01 ppb	100
51)	Toluene	14.85	92	460815	2.00 ppb	98
52)	Methyl Isobutyl Ketone	13.91	43	399392	1.97 ppb	98
53)	Dibromochloromethane	15.83	129	433180	2.07 ppb	99
54)	Methyl Butyl Ketone	15.28	43	373480	2.02 ppb	97
55)	1,2-dibromoethane	16.10	107	436951	1.98 ppb	99
56)	Tetrachloroethylene	15.93	164	320068	2.02 ppb	97
57)	Chlorobenzene	16.95	112	645950	2.00 ppb	99
58)	Ethylbenzene	17.22	91	1033525	1.99 ppb	99
59)	m&p-xylene	17.44	91	1638264	3.97 ppb	100
60)	Nonane	17.85	43	463426	1.94 ppb	96
61)	Styrene	17.91	104	652396	2.00 ppb	98
62)	Bromoform	18.04	173	320702	2.12 ppb	100
63)	o-xylene	17.95	91	848339	1.98 ppb	100
64)	Cumene	18.57	105	1180717	1.99 ppb	100
66)	1,1,2,2-tetrachloroethane	18.44	83	621938	1.99 ppb	98
67)	Propylbenzene	19.18	120	340130	2.01 ppb	94
68)	2-Chlorotoluene	19.23	126	307045	2.01 ppb	96
69)	4-ethyltoluene	19.37	105	1188913	2.02 ppb	99
70)	1,3,5-trimethylbenzene	19.44	105	1005890	2.01 ppb	75
71)	1,2,4-trimethylbenzene	19.95	105	1027651	2.01 ppb	100
72)	1,3-dichlorobenzene	20.28	146	691580	2.04 ppb	100
73)	benzyl chloride	20.36	91	707657	2.11 ppb	99
74)	1,4-dichlorobenzene	20.44	146	685849	2.05 ppb	99
75)	1,2,3-trimethylbenzene	20.49	105	981697	2.01 ppb	100
76)	1,2-dichlorobenzene	20.80	146	651647	2.05 ppb	98
77)	1,2,4-trichlorobenzene	22.91	180	442122	2.31 ppb	99
78)	Naphthalene	23.12	128	1015634	2.19 ppb	99
79)	Hexachloro-1,3-butadiene	23.24	225	496258	2.06 ppb	99

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AS010104.D Vial: 3
Acq On : 1 Jan 2021 8:26 pm Operator: RJP
Sample : A1UG_2.0 Inst : MSD #1
Misc : A101_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jan 2 10:22 2021 Quant Results File: A101_1UG.RES

Method : C:\HPCHEM\1\METHODS\A101_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Tue Jan 12 09:46:09 2021
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AS010107.D



Centek Laboratories, LLC

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AS010105.D Vial: 4
Acq On : 1 Jan 2021 9:12 pm Operator: RJP
Sample : A1UG_1.50 Inst : MSD #1
Misc : A101_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jan 02 08:56:50 2021 Quant Results File: A101_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A101_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Sat Jan 02 08:55:32 2021
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AS010107.D
DataAcq Meth : 1UG_ENT

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	9.79	128	66504	1.00	ppb		0.01
35) 1,4-difluorobenzene	12.09	114	344480	1.00	ppb		0.00
50) Chlorobenzene-d5	16.90	117	311828	1.00	ppb		0.00
System Monitoring Compounds							
65) Bromofluorobenzene	18.69	95	236036	1.00	ppb		0.00
Spiked Amount 1.000	Range 70 - 130		Recovery = 100.00%				
Target Compounds							Qvalue
2) Propylene	4.15	41	82443	1.56	ppb		96
3) Freon 12	4.20	85	333827	1.48	ppb		99
4) Chloromethane	4.40	50	60619	1.54	ppb		100
5) Freon 114	4.40	85	213161	1.50	ppb		96
6) Vinyl Chloride	4.60	62	62351	1.48	ppb		96
7) Butane	4.70	43	61184	1.48	ppb	#	91
8) 1,3-butadiene	4.70	39	43308	1.40	ppb		97
9) Bromomethane	5.04	94	79130	1.48	ppb		98
10) Chloroethane	5.21	64	29198	1.54	ppb		97
11) Ethanol	5.31	45	13804m	1.51	ppb		
12) Acrolein	5.88	56	20973	1.44	ppb		94
13) Vinyl Bromide	5.55	106	79758	1.51	ppb		98
14) Freon 11	5.83	101	356531	1.52	ppb		99
15) Acetone	6.00	58	49155m	1.53	ppb		
16) Pentane	6.10	42	83359	1.54	ppb		97
17) Isopropyl alcohol	6.09	45	120819	1.51	ppb		95
18) 1,1-dichloroethene	6.59	96	143234	1.51	ppb		99
19) Freon 113	6.78	101	295255	1.48	ppb		99
20) t-Butyl alcohol	6.81	59	256153	1.41	ppb		96
21) Methylene chloride	7.05	84	124644	1.51	ppb		96
22) Allyl chloride	7.03	41	143816	1.43	ppb		97
23) Carbon disulfide	7.20	76	395435	1.48	ppb		96
24) trans-1,2-dichloroethene	7.98	61	184091	1.47	ppb		98
25) methyl tert-butyl ether	8.00	73	384579	1.49	ppb		97
26) 1,1-dichloroethane	8.41	63	240210	1.49	ppb		98
27) Vinyl acetate	8.39	43	106434	1.45	ppb		98
28) Methyl Ethyl Ketone	8.89	72	68901	1.46	ppb	#	100
29) cis-1,2-dichloroethene	9.34	61	181877	1.47	ppb		96
30) Hexane	8.95	57	219427	1.49	ppb		97
31) Ethyl acetate	9.49	43	387006	1.52	ppb		99
32) Chloroform	9.95	83	301866	1.48	ppb		100
33) Tetrahydrofuran	10.11	42	124266	1.44	ppb		99
34) 1,2-dichloroethane	11.07	62	176766	1.51	ppb		99
36) 1,1,1-trichloroethane	10.78	97	322719	1.50	ppb		99
37) Cyclohexane	11.49	56	206177	1.47	ppb		99
38) Carbon tetrachloride	11.43	117	315549	1.51	ppb		100
39) Benzene	11.39	78	449011	1.48	ppb		99
40) Methyl methacrylate	12.97	41	167749	1.50	ppb		98
41) 1,4-dioxane	12.98	88	111295	1.53	ppb		97
42) 2,2,4-trimethylpentane	12.26	57	649243	1.49	ppb		98
43) Heptane	12.61	43	226280	1.47	ppb		98
44) Trichloroethene	12.73	130	221927	1.48	ppb		100
45) 1,2-dichloropropane	12.84	63	165915	1.47	ppb		97

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AS010105.D Vial: 4
Acq On : 1 Jan 2021 9:12 pm Operator: RJP
Sample : A1UG_1.50 Inst : MSD #1
Misc : A101_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jan 02 08:56:50 2021 Quant Results File: A101_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A101_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Sat Jan 02 08:55:32 2021
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AS010107.D
DataAcq Meth : 1UG_ENT

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
46)	Bromodichloromethane	13.18	83	313702	1.48	ppb	99
47)	cis-1,3-dichloropropene	14.00	75	285231	1.52	ppb	98
48)	trans-1,3-dichloropropene	14.77	75	244491	1.52	ppb	93
49)	1,1,2-trichloroethane	15.10	97	202608	1.49	ppb	100
51)	Toluene	14.85	92	342829	1.52	ppb	98
52)	Methyl Isobutyl Ketone	13.91	43	296581	1.49	ppb	98
53)	Dibromochloromethane	15.83	129	315254	1.54	ppb	100
54)	Methyl Butyl Ketone	15.28	43	270617	1.49	ppb	99
55)	1,2-dibromoethane	16.10	107	325127	1.50	ppb	100
56)	Tetrachloroethylene	15.92	164	237432	1.53	ppb	97
57)	Chlorobenzene	16.95	112	481010	1.52	ppb	99
58)	Ethylbenzene	17.22	91	764575	1.50	ppb	99
59)	m&p-xylene	17.44	91	1206436	2.99	ppb	100
60)	Nonane	17.85	43	344554	1.47	ppb	97
61)	Styrene	17.91	104	485454	1.52	ppb	98
62)	Bromoform	18.03	173	231398	1.56	ppb	100
63)	o-xylene	17.95	91	638219	1.52	ppb	99
64)	Cumene	18.57	105	876567	1.51	ppb	100
66)	1,1,2,2-tetrachloroethane	18.44	83	459781	1.51	ppb	99
67)	Propylbenzene	19.18	120	251361	1.52	ppb	93
68)	2-Chlorotoluene	19.23	126	229851	1.53	ppb	97
69)	4-ethyltoluene	19.37	105	879280	1.53	ppb	100
70)	1,3,5-trimethylbenzene	19.44	105	750179	1.53	ppb	75
71)	1,2,4-trimethylbenzene	19.95	105	757879	1.51	ppb	100
72)	1,3-dichlorobenzene	20.29	146	510651	1.54	ppb	100
73)	benzyl chloride	20.36	91	516894	1.57	ppb	99
74)	1,4-dichlorobenzene	20.44	146	504775	1.54	ppb	98
75)	1,2,3-trimethylbenzene	20.49	105	722524	1.51	ppb	100
76)	1,2-dichlorobenzene	20.80	146	477779	1.54	ppb	99
77)	1,2,4-trichlorobenzene	22.91	180	304477	1.62	ppb	100
78)	Naphthalene	23.12	128	715097	1.58	ppb	98
79)	Hexachloro-1,3-butadiene	23.24	225	358015	1.52	ppb	100

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

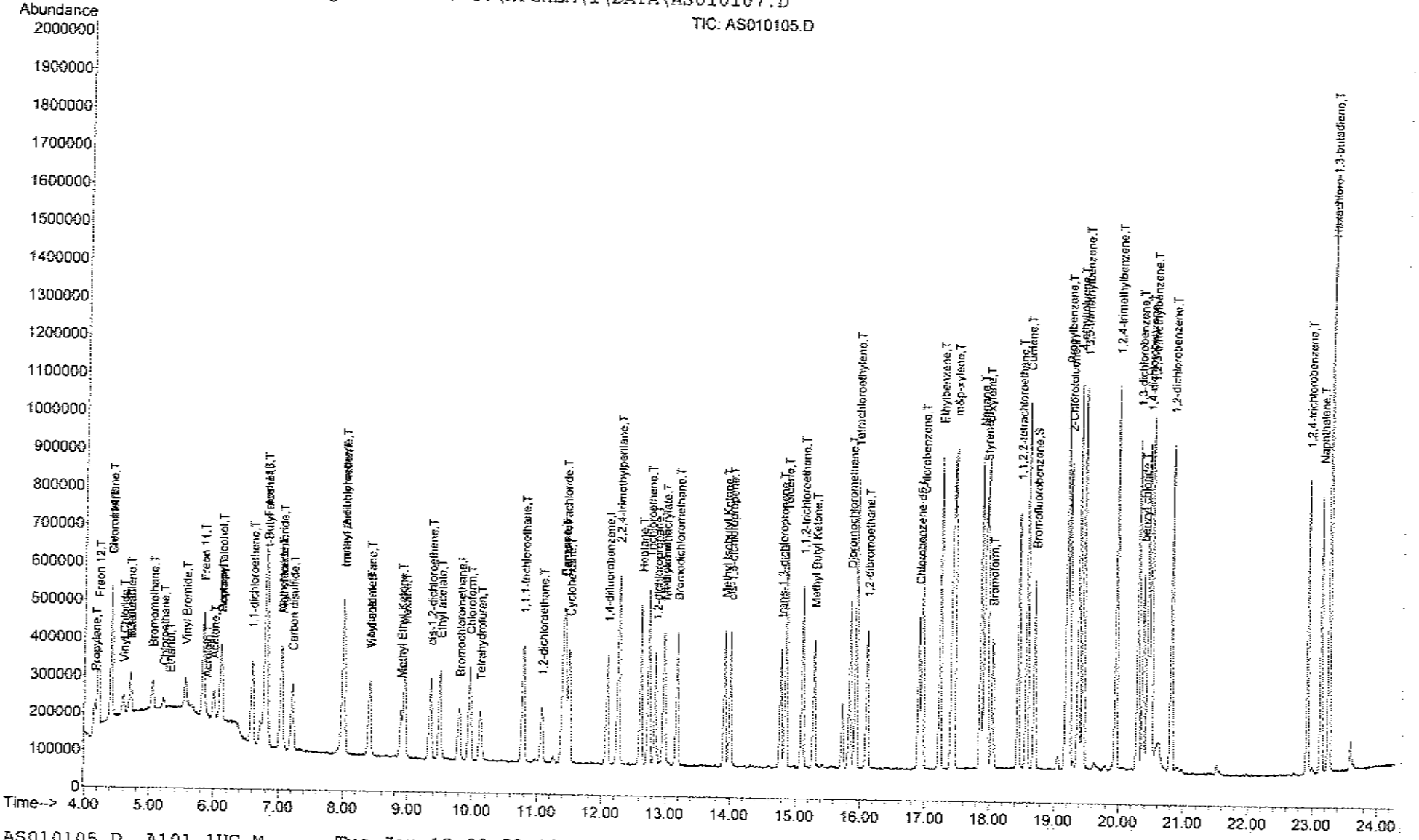
Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AS010105.D
Acq On : 1 Jan 2021 9:12 pm
Sample : A1UG_1.50
Misc : A101_1UG
MS Integration Params: RTEINT.P
Quant Time: Jan 2 10:28 2021

Vial: 4
Operator: RJP
Inst : MSD #1
Multiplr: 1.00

Quant Results File: A101_1UG.RES

Method : C:\HPCHEM\1\METHODS\A101_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Tue Jan 12 09:46:09 2021
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AS010107.D



Centek Laboratories, LLC

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AS010106.D Vial: 5
Acq On : 1 Jan 2021 9:57 pm Operator: RJP
Sample : A1UG_1.25 Inst : MSD #1
Misc : A101_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jan 02 08:56:12 2021 Quant Results File: A101_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A101_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Sat Jan 02 08:55:32 2021
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AS010107.D
DataAcq Meth : 1UG_ENT

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	9.79	128	66054	1.00	ppb	0.00
35) 1,4-difluorobenzene	12.09	114	343211	1.00	ppb	0.00
50) Chlorobenzene-d5	16.90	117	307181	1.00	ppb	0.00
System Monitoring Compounds						
65) Bromofluorobenzene	18.69	95	226215	0.98	ppb	0.00
Spiked Amount 1.000	Range 70 - 130		Recovery = 98.00%			
Target Compounds						Qvalue
2) Propylene	4.15	41	65186m	1.24	ppb	
3) Freon 12	4.20	85	278498	1.25	ppb	98
4) Chloromethane	4.40	50	50037	1.28	ppb	97
5) Freon 114	4.40	85	179217	1.27	ppb	100
6) Vinyl Chloride	4.59	62	52063	1.24	ppb	93
7) Butane	4.69	43	51686	1.26	ppb	93
8) 1,3-butadiene	4.69	39	35140m	1.15	ppb	
9) Bromomethane	5.04	94	68392	1.28	ppb	99
10) Chloroethane	5.21	64	23940	1.27	ppb	94
11) Ethanol	5.30	45	11954m	1.32	ppb	
12) Acrolein	5.88	56	17226m	1.19	ppb	
13) Vinyl Bromide	5.55	106	66059	1.26	ppb	99
14) Freon 11	5.83	101	287065	1.24	ppb	98
15) Acetone	5.98	58	36145m	1.14	ppb	
16) Pentane	6.10	42	70822	1.32	ppb	90
17) Isopropyl alcohol	6.10	45	98520	1.24	ppb	98
18) 1,1-dichloroethene	6.59	96	115735	1.23	ppb	96
19) Freon 113	6.78	101	244667	1.24	ppb	99
20) t-Butyl alcohol	6.81	59	217277	1.21	ppb	96
21) Methylene chloride	7.04	84	101771	1.24	ppb	98
22) Allyl chloride	7.03	41	122476	1.23	ppb	99
23) Carbon disulfide	7.20	76	327649	1.23	ppb	99
24) trans-1,2-dichloroethene	7.98	61	153092	1.23	ppb	98
25) methyl tert-butyl ether	8.00	73	317068	1.24	ppb	100
26) 1,1-dichloroethane	8.41	63	199527	1.24	ppb	97
27) Vinyl acetate	8.39	43	92387	1.27	ppb	97
28) Methyl Ethyl Ketone	8.89	72	56753	1.21	ppb #	100
29) cis-1,2-dichloroethene	9.34	61	152207	1.24	ppb	97
30) Hexane	8.94	57	180454	1.23	ppb	96
31) Ethyl acetate	9.49	43	319803	1.27	ppb	99
32) Chloroform	9.95	83	254552	1.26	ppb	99
33) Tetrahydrofuran	10.12	42	103353	1.20	ppb	95
34) 1,2-dichloroethane	11.06	62	146614	1.26	ppb	99
36) 1,1,1-trichloroethane	10.78	97	267664	1.25	ppb	100
37) Cyclohexane	11.49	56	173846	1.24	ppb	99
38) Carbon tetrachloride	11.43	117	260831	1.25	ppb	99
39) Benzene	11.39	78	373931	1.24	ppb	98
40) Methyl methacrylate	12.97	41	139915	1.26	ppb	97
41) 1,4-dioxane	12.98	88	93290	1.28	ppb	96
42) 2,2,4-trimethylpentane	12.26	57	538640	1.24	ppb	99
43) Heptane	12.61	43	186450	1.22	ppb	98
44) Trichloroethene	12.74	130	184835	1.24	ppb	99
45) 1,2-dichloropropane	12.84	63	138081	1.23	ppb	99

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AS010106.D Vial: 5
Acq On : 1 Jan 2021 9:57 pm Operator: RJP
Sample : A1UG_1.25 Inst : MSD #1
Misc : A101_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jan 02 08:56:12 2021 Quant Results File: A101_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A101_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Sat Jan 02 08:55:32 2021
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AS010107.D
DataAcq Meth : 1UG_ENT

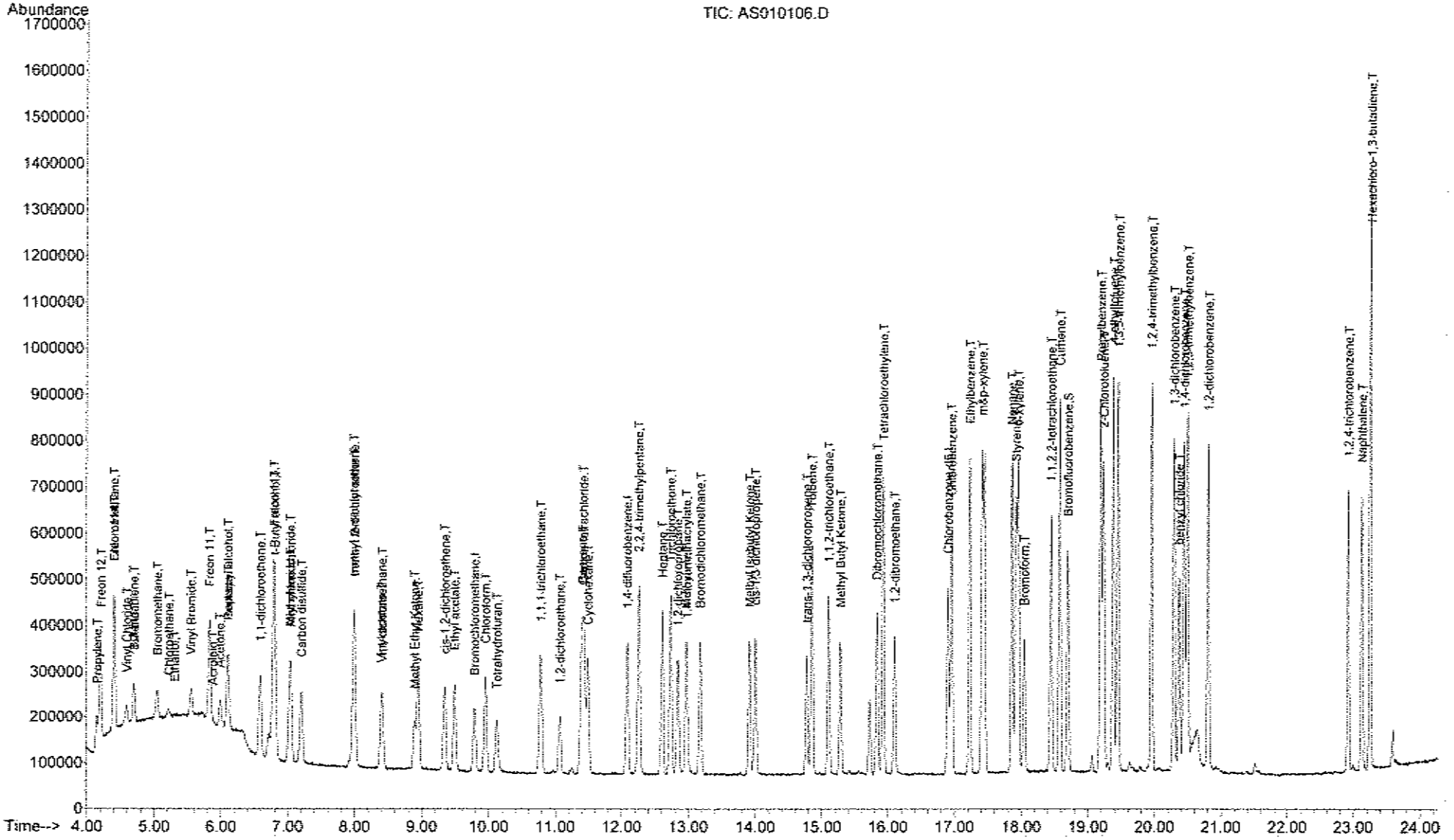
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
46)	Bromodichloromethane	13.18	83	260070	1.23 ppb	100
47)	cis-1,3-dichloropropene	14.00	75	234876	1.25 ppb	98
48)	trans-1,3-dichloropropene	14.77	75	200702	1.25 ppb	98
49)	1,1,2-trichloroethane	15.10	97	170525	1.26 ppb	99
51)	Toluene	14.85	92	283570	1.27 ppb	98
52)	Methyl Isobutyl Ketone	13.91	43	242640	1.24 ppb	98
53)	Dibromochloromethane	15.84	129	258577	1.28 ppb	100
54)	Methyl Butyl Ketone	15.28	43	224175	1.26 ppb	98
55)	1,2-dibromoethane	16.10	107	269993	1.27 ppb	100
56)	Tetrachloroethylene	15.92	164	194823	1.27 ppb	98
57)	Chlorobenzene	16.95	112	396353	1.27 ppb	99
58)	Ethylbenzene	17.23	91	633452	1.27 ppb	99
59)	m&p-xylene	17.41	91	1003512	2.52 ppb	100
60)	Nonane	17.85	43	289111	1.25 ppb	94
61)	Styrene	17.91	104	400297	1.27 ppb	99
62)	Bromoform	18.04	173	187306	1.28 ppb	100
63)	o-xylene	17.95	91	523163	1.27 ppb	100
64)	Cumene	18.57	105	725197	1.27 ppb	100
66)	1,1,2,2-tetrachloroethane	18.44	83	380411	1.26 ppb	98
67)	Propylbenzene	19.18	120	206309	1.27 ppb	93
68)	2-Chlorotoluene	19.23	126	189416	1.28 ppb	98
69)	4-ethyltoluene	19.37	105	720075	1.27 ppb	99
70)	1,3,5-trimethylbenzene	19.44	105	617099	1.28 ppb	76
71)	1,2,4-trimethylbenzene	19.95	105	621280	1.26 ppb	100
72)	1,3-dichlorobenzene	20.29	146	416100	1.27 ppb	99
73)	benzyl chloride	20.36	91	419885	1.30 ppb	99
74)	1,4-dichlorobenzene	20.44	146	406644	1.26 ppb	99
75)	1,2,3-trimethylbenzene	20.49	105	589248	1.25 ppb	99
76)	1,2-dichlorobenzene	20.80	146	392328	1.28 ppb	99
77)	1,2,4-trichlorobenzene	22.92	180	243221	1.31 ppb	99
78)	Naphthalene	23.12	128	576849	1.29 ppb	98
79)	Hexachloro-1,3-butadiene	23.24	225	294875	1.27 ppb	100

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AS010106.D Vial: 5
Acq On : 1 Jan 2021 9:57 pm Operator: RJP
Sample : A1UG_1.25 Inst : MSD #1
Misc : A101_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jan 2 10:31 2021 Quant Results File: A101_1UG.RES

Method : C:\HPCHEM\1\METHODS\A101_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Tue Jan 12 09:46:09 2021
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AS010107.D



Centek Laboratories, LLC

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AS010107.D Vial: 6
Acq On : 1 Jan 2021 10:41 pm Operator: RJP
Sample : A1UG_1.0 Inst : MSD #1
Misc : A101_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jan 02 08:55:37 2021 Quant Results File: A101_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A101_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Sat Jan 02 08:55:32 2021
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AS010107.D
DataAcq Meth : 1UG_ENT

Internal Standards	R.T.	Qion	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	9.78	128	64841	1.00	ppb		0.00
35) 1,4-difluorobenzene	12.09	114	336284	1.00	ppb		0.00
50) Chlorobenzene-d5	16.90	117	304965	1.00	ppb		0.00
System Monitoring Compounds							
65) Bromofluorobenzene	18.69	95	229755	1.00	ppb		0.00
Spiked Amount 1.000	Range 70 - 130		Recovery = 100.00%				
Target Compounds							Qvalue
2) Propylene	4.15	41	55331m	1.07	ppb		
3) Freon 12	4.20	85	219332	1.00	ppb		99
4) Chloromethane	4.40	50	38377	1.00	ppb		99
5) Freon 114	4.40	85	138619	1.00	ppb		95
6) Vinyl Chloride	4.60	62	40936	1.00	ppb		99
7) Butane	4.69	43	40422	1.00	ppb		94
8) 1,3-butadiene	4.70	39	30189	1.00	ppb		100
9) Bromomethane	5.04	94	52266	1.00	ppb		95
10) Chloroethane	5.21	64	18435	1.00	ppb	#	84
11) Ethanol	5.30	45	8256m	0.93	ppb		
12) Acrolein	5.89	56	14331m	1.01	ppb		
13) Vinyl Bromide	5.55	106	51619	1.00	ppb		99
14) Freon 11	5.82	101	228007	1.00	ppb		98
15) Acetone	5.99	58	31799	1.02	ppb	#	65
16) Pentane	6.10	42	52735	1.00	ppb		96
17) Isopropyl alcohol	6.09	45	78083	1.00	ppb		100
18) 1,1-dichloroethene	6.59	96	92691	1.00	ppb		99
19) Freon 113	6.78	101	194265	1.00	ppb		97
20) t-Butyl alcohol	6.81	59	177128	1.00	ppb		97
21) Methylene chloride	7.04	84	80488	1.00	ppb		99
22) Allyl chloride	7.03	41	97925	1.00	ppb		99
23) Carbon disulfide	7.21	76	261469	1.00	ppb		97
24) trans-1,2-dichloroethene	7.98	61	122094	1.00	ppb		98
25) methyl tert-butyl ether	8.00	73	251641	1.00	ppb		99
26) 1,1-dichloroethane	8.41	63	157400	1.00	ppb		98
27) Vinyl acetate	8.39	43	71541	1.00	ppb		97
28) Methyl Ethyl Ketone	8.89	72	45672	0.99	ppb	#	100
29) cis-1,2-dichloroethene	9.34	61	120585	1.00	ppb		97
30) Hexane	8.95	57	143485	1.00	ppb		97
31) Ethyl acetate	9.49	43	244784	0.99	ppb		99
32) Chloroform	9.95	83	198944	1.00	ppb		99
33) Tetrahydrofuran	10.12	42	84206	1.00	ppb		98
34) 1,2-dichloroethane	11.07	62	114345	1.00	ppb		97
36) 1,1,1-trichloroethane	10.77	97	210208	1.00	ppb		100
37) Cyclohexane	11.49	56	136894	1.00	ppb		100
38) Carbon tetrachloride	11.42	117	203862	1.00	ppb		99
39) Benzene	11.39	78	295670	1.00	ppb		100
40) Methyl methacrylate	12.97	41	109033	1.00	ppb		99
41) 1,4-dioxane	12.99	88	71216	1.00	ppb		97
42) 2,2,4-trimethylpentane	12.26	57	423934	1.00	ppb		98
43) Heptane	12.61	43	150013	1.00	ppb		98
44) Trichloroethene	12.73	130	146072	1.00	ppb		99
45) 1,2-dichloropropane	12.84	63	109949	1.00	ppb		98

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AS010107.D
Acq On : 1 Jan 2021 10:41 pm
Sample : A1UG_1.0
Misc : A101_1UG
MS Integration Params: RTEINT.P
Quant Time: Jan 02 08:55:37 2021

Vial: 6
Operator: RJP
Inst : MSD #1
Multiplr: 1.00

Quant Results File: A101_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A101_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Sat Jan 02 08:55:32 2021
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AS010107.D
DataAcq Meth : 1UG_ENT

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
46)	Bromodichloromethane	13.18	83	206281	1.00	ppb	99
47)	cis-1,3-dichloropropene	14.00	75	183620	1.00	ppb	98
48)	trans-1,3-dichloropropene	14.77	75	155966	0.99	ppb	92
49)	1,1,2-trichloroethane	15.10	97	132443	1.00	ppb	100
51)	Toluene	14.85	92	221177	1.00	ppb	99
52)	Methyl Isobutyl Ketone	13.91	43	194057	1.00	ppb	98
53)	Dibromochloromethane	15.84	129	200713	1.00	ppb	99
54)	Methyl Butyl Ketone	15.28	43	177313	1.00	ppb	97
55)	1,2-dibromoethane	16.10	107	211323	1.00	ppb	99
56)	Tetrachloroethylene	15.93	164	151819	1.00	ppb	98
57)	Chlorobenzene	16.95	112	310100	1.00	ppb	99
58)	Ethylbenzene	17.22	91	496958	1.00	ppb	98
59)	m&p-xylene	17.41	91	789928	2.00	ppb	100
60)	Nonane	17.85	43	230490	1.00	ppb	94
61)	Styrene	17.91	104	312533	1.00	ppb	97
62)	Bromoform	18.04	173	145153	1.00	ppb	99
63)	o-xylene	17.95	91	410378	1.00	ppb	100
64)	Cumene	18.57	105	568607	1.00	ppb	100
66)	1,1,2,2-tetrachloroethane	18.44	83	298727	1.00	ppb	99
67)	Propylbenzene	19.18	120	161755	1.00	ppb	93
68)	2-Chlorotoluene	19.23	126	146696	1.00	ppb	95
69)	4-ethyltoluene	19.37	105	563820	1.00	ppb	100
70)	1,3,5-trimethylbenzene	19.44	105	479684	1.00	ppb	75
71)	1,2,4-trimethylbenzene	19.95	105	489206	1.00	ppb	100
72)	1,3-dichlorobenzene	20.29	146	324369	1.00	ppb	99
73)	benzyl chloride	20.36	91	320978	1.00	ppb	99
74)	1,4-dichlorobenzene	20.44	146	320718	1.00	ppb	99
75)	1,2,3-trimethylbenzene	20.49	105	468284	1.00	ppb	99
76)	1,2-dichlorobenzene	20.80	146	304285	1.00	ppb	100
77)	1,2,4-trichlorobenzene	22.91	180	183486	1.00	ppb	99
78)	Naphthalene	23.12	128	443281	1.00	ppb	99
79)	Hexachloro-1,3-butadiene	23.24	225	230448	1.00	ppb	99

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

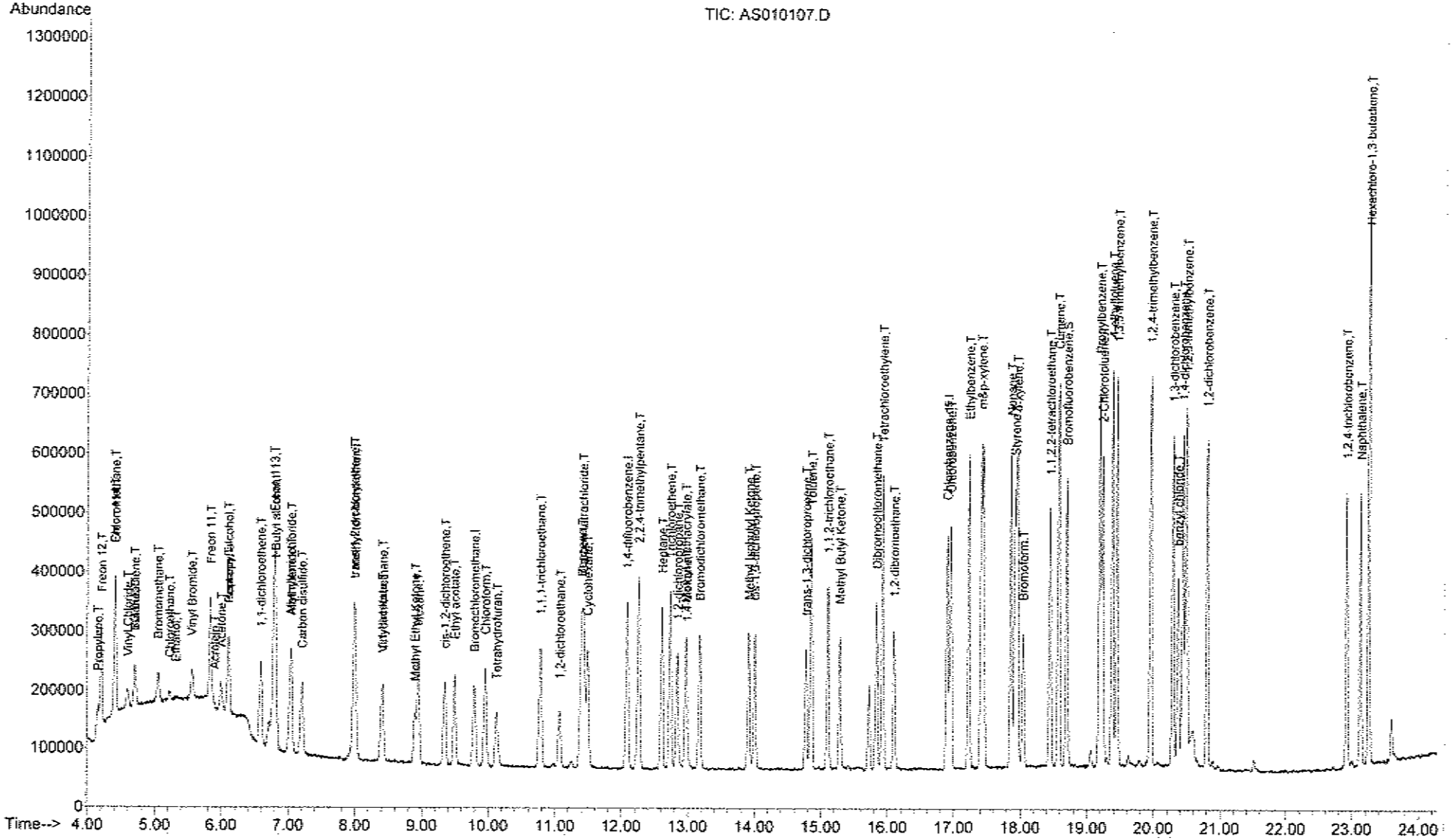
Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AS010107.D
Acq On : 1 Jan 2021 10:41 pm
Sample : A1UG_1.0
Misc : A101_1UG
MS Integration Params: RTEINT.P
Quant Time: Jan 2 10:32 2021

Vial: 6
Operator: RJP
Inst : MSD #1
Multiplr: 1.00

Quant Results File: A101_1UG.RES

Method : C:\HPCHEM\1\METHODS\A101_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Tue Jan 12 09:46:09 2021
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AS010107.D



AS010107.D A101_1UG.M Tue Jan 12 09:52:21 2021 MSD1

Centek Laboratories, LLC

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AS010108.D Vial: 7
Acq On : 1 Jan 2021 11:24 pm Operator: RJP
Sample : A1UG_0.75 Inst : MSD #1
Misc : A101_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jan 02 08:57:47 2021 Quant Results File: A101_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A101_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Sat Jan 02 08:55:32 2021
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AS010107.D
DataAcq Meth : 1UG_ENT

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	9.79	128	63627	1.00	ppb		0.00
35) 1,4-difluorobenzene	12.08	114	329065	1.00	ppb		0.00
50) Chlorobenzene-d5	16.90	117	297815	1.00	ppb		0.00
System Monitoring Compounds							
65) Bromofluorobenzene	18.69	95	223061	0.99	ppb		0.00
Spiked Amount 1.000	Range 70 - 130		Recovery = 99.00%				
Target Compounds							Qvalue
2) Propylene	4.15	41	38385m	0.76	ppb		
3) Freon 12	4.20	85	163952	0.76	ppb		98
4) Chloromethane	4.39	50	30033	0.80	ppb		97
5) Freon 114	4.40	85	104793	0.77	ppb		98
6) Vinyl Chloride	4.59	62	30099	0.75	ppb		93
7) Butane	4.69	43	29785	0.75	ppb		87
8) 1,3-butadiene	4.70	39	21102	0.71	ppb		89
9) Bromomethane	5.04	94	40686	0.79	ppb		97
10) Chloroethane	5.21	64	13924	0.77	ppb	#	88
11) Ethanol	5.30	45	5531m	0.63	ppb		
12) Acrolein	5.88	56	10287	0.74	ppb		96
13) Vinyl Bromide	5.55	106	39080	0.77	ppb		99
14) Freon 11	5.82	101	167968	0.75	ppb		98
15) Acetone	6.00	58	26658	0.87	ppb		84
16) Pentane	6.10	42	40621	0.78	ppb		95
17) Isopropyl alcohol	6.09	45	59254	0.77	ppb		96
18) 1,1-dichloroethene	6.58	96	67358	0.74	ppb		95
19) Freon 113	6.79	101	141087	0.74	ppb		98
20) t-Butyl alcohol	6.81	59	125557	0.72	ppb		96
21) Methylene chloride	7.04	84	60182	0.76	ppb		98
22) Allyl chloride	7.03	41	69853	0.73	ppb		96
23) Carbon disulfide	7.20	76	193742	0.76	ppb		98
24) trans-1,2-dichloroethene	7.98	61	86784	0.72	ppb		96
25) methyl tert-butyl ether	8.00	73	188001	0.76	ppb		93
26) 1,1-dichloroethane	8.41	63	114508	0.74	ppb		99
27) Vinyl acetate	8.39	43	50523	0.72	ppb		99
28) Methyl Ethyl Ketone	8.89	72	31777	0.70	ppb	#	100
29) cis-1,2-dichloroethene	9.34	61	88676	0.75	ppb		98
30) Hexane	8.95	57	102921	0.73	ppb		99
31) Ethyl acetate	9.49	43	184718	0.76	ppb		99
32) Chloroform	9.95	83	147049	0.75	ppb		100
33) Tetrahydrofuran	10.12	42	61526	0.74	ppb		98
34) 1,2-dichloroethane	11.06	62	86227	0.77	ppb		99
36) 1,1,1-trichloroethane	10.78	97	154956	0.75	ppb		98
37) Cyclohexane	11.49	56	99379	0.74	ppb		99
38) Carbon tetrachloride	11.42	117	149592	0.75	ppb		99
39) Benzene	11.39	78	217643	0.75	ppb		98
40) Methyl methacrylate	12.96	41	82312	0.77	ppb		99
41) 1,4-dioxane	12.98	88	53365	0.77	ppb		95
42) 2,2,4-trimethylpentane	12.26	57	309548	0.75	ppb		98
43) Heptane	12.61	43	114090	0.78	ppb		97
44) Trichloroethene	12.73	130	106709	0.75	ppb		98
45) 1,2-dichloropropane	12.84	63	81749	0.76	ppb		97

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AS010108.D Vial: 7
Acq On : 1 Jan 2021 11:24 pm Operator: RJP
Sample : A1UG_0.75 Inst : MSD #1
Misc : A101_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jan 02 08:57:47 2021 Quant Results File: A101_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A101_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Sat Jan 02 08:55:32 2021
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AS010107.D
DataAcq Meth : 1UG_ENT

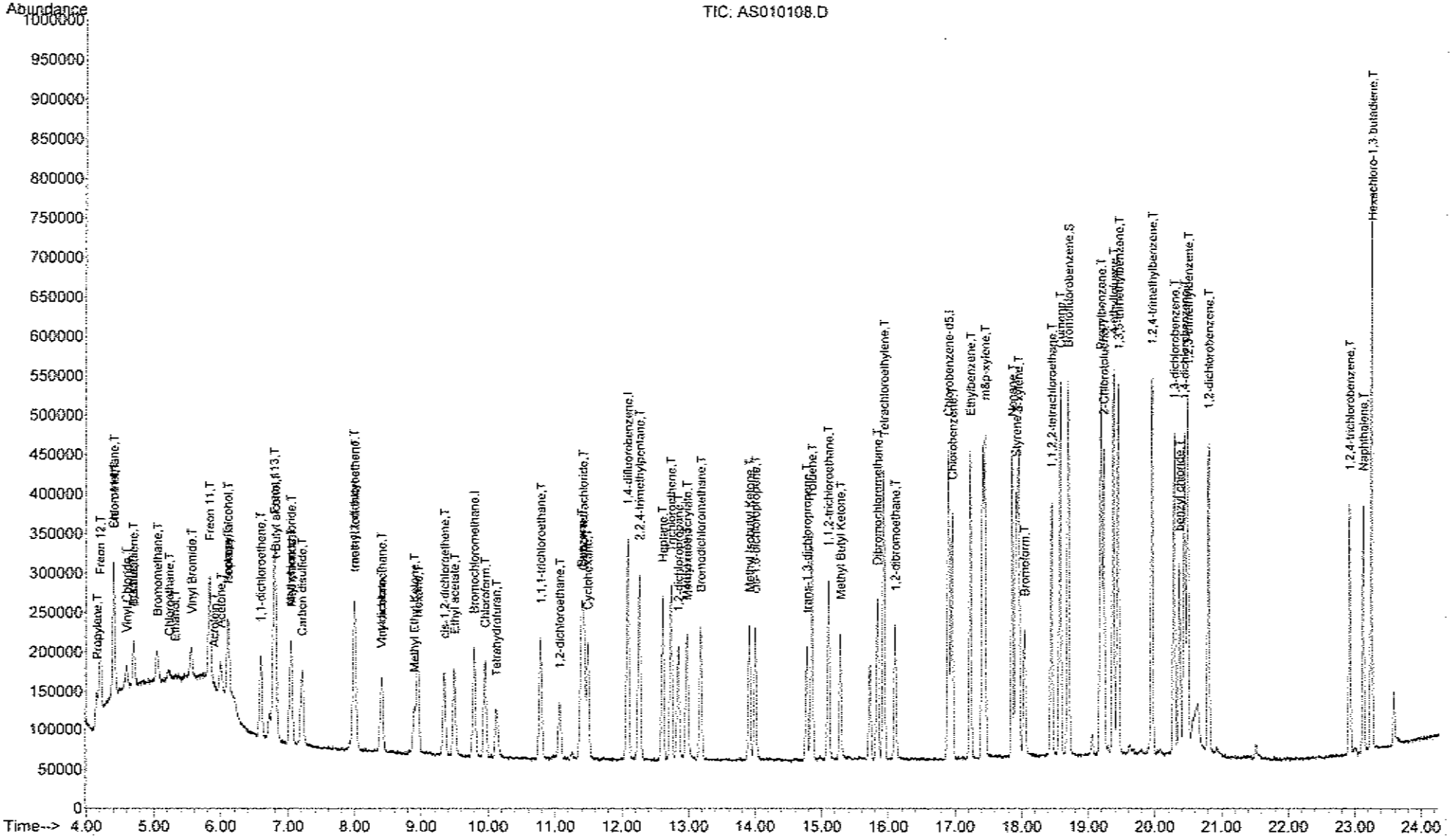
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
46)	Bromodichloromethane	13.18	83	150526	0.75 ppb	100
47)	cis-1,3-dichloropropene	14.00	75	133831	0.74 ppb	99
48)	trans-1,3-dichloropropene	14.77	75	116026	0.75 ppb	99
49)	1,1,2-trichloroethane	15.10	97	98284	0.76 ppb	100
51)	Toluene	14.85	92	163410	0.76 ppb	99
52)	Methyl Isobutyl Ketone	13.91	43	143326	0.76 ppb	99
53)	Dibromochloromethane	15.83	129	149368	0.76 ppb	99
54)	Methyl Butyl Ketone	15.28	43	130868	0.76 ppb	96
55)	1,2-dibromoethane	16.10	107	152117	0.74 ppb	99
56)	Tetrachloroethylene	15.92	164	111364	0.75 ppb	97
57)	Chlorobenzene	16.95	112	229165	0.76 ppb	99
58)	Ethylbenzene	17.23	91	366770	0.76 ppb	100
59)	m&p-xylene	17.44	91	577349	1.50 ppb	100
60)	Nonane	17.85	43	165941	0.74 ppb	95
61)	Styrene	17.91	104	231032	0.76 ppb	97
62)	Bromoform	18.04	173	104674	0.74 ppb	98
63)	o-xylene	17.95	91	304090	0.76 ppb	99
64)	Cumene	18.57	105	414956	0.75 ppb	100
66)	1,1,2,2-tetrachloroethane	18.44	83	217046	0.74 ppb	99
67)	Propylbenzene	19.18	120	117885	0.75 ppb	92
68)	2-Chlorotoluene	19.23	126	109249	0.76 ppb	99
69)	4-ethyltoluene	19.37	105	410758	0.75 ppb	100
70)	1,3,5-trimethylbenzene	19.44	105	349307	0.75 ppb	75
71)	1,2,4-trimethylbenzene	19.95	105	357898	0.75 ppb	99
72)	1,3-dichlorobenzene	20.28	146	234589	0.74 ppb	99
73)	benzyl chloride	20.36	91	235086	0.75 ppb	100
74)	1,4-dichlorobenzene	20.44	146	231306	0.74 ppb	99
75)	1,2,3-trimethylbenzene	20.49	105	340561	0.74 ppb	99
76)	1,2-dichlorobenzene	20.80	146	220935	0.74 ppb	99
77)	1,2,4-trichlorobenzene	22.92	180	124504	0.69 ppb	99
78)	Naphthalene	23.12	128	310420	0.72 ppb	99
79)	Hexachloro-1,3-butadiene	23.25	225	167166	0.74 ppb	99

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AS010108.D Vial: 7
Acq On : 1 Jan 2021 11:24 pm Operator: RJP
Sample : A1UG_0.75 Inst : MSD #1
Misc : A101_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jan 2 10:33 2021 Quant Results File: A101_1UG.RES

Method : C:\HPCHEM\1\METHODS\A101_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Tue Jan 12 09:46:09 2021
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AS010107.D



Centek Laboratories, LLC

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AS010109.D Vial: 8
Acq On : 2 Jan 2021 12:07 am Operator: RJP
Sample : A1UG_0.50 Inst : MSD #1
Misc : A101_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jan 02 08:58:24 2021 Quant Results File: A101_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A101_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Sat Jan 02 08:55:32 2021
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AS010107.D
DataAcq Meth : 1UG_ENT

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	9.79	128	63113	1.00	ppb		0.00
35) 1,4-difluorobenzene	12.08	114	326267	1.00	ppb		0.00
50) Chlorobenzene-d5	16.90	117	297214	1.00	ppb		0.00
System Monitoring Compounds							
65) Bromofluorobenzene	18.69	95	221082	0.99	ppb		0.00
Spiked Amount 1.000	Range 70 - 130		Recovery = 99.00%				
Target Compounds							Qvalue
2) Propylene	4.15	41	29650	0.59	ppb		88
3) Freon 12	4.20	85	105875	0.50	ppb		100
4) Chloromethane	4.40	50	19399	0.52	ppb		97
5) Freon 114	4.40	85	66814	0.50	ppb		93
6) Vinyl Chloride	4.59	62	19646	0.49	ppb		98
7) Butane	4.70	43	19929	0.51	ppb	#	94
8) 1,3-butadiene	4.70	39	15278	0.52	ppb		97
9) Bromomethane	5.04	94	25862	0.51	ppb		94
10) Chloroethane	5.21	64	10004	0.56	ppb		98
11) Ethanol	5.30	45	3555m	0.41	ppb		
12) Acrolein	5.88	56	7020	0.51	ppb		80
13) Vinyl Bromide	5.55	106	25876	0.52	ppb		97
14) Freon 11	5.82	101	108461	0.49	ppb		97
15) Acetone	5.99	58	18344	0.60	ppb	#	1
16) Pentane	6.10	42	25691	0.50	ppb		98
17) Isopropyl alcohol	6.10	45	39031	0.51	ppb		100
18) 1,1-dichloroethene	6.59	96	44644	0.49	ppb		98
19) Freon 113	6.78	101	90957	0.48	ppb		99
20) t-Butyl alcohol	6.82	59	84846	0.49	ppb	#	92
21) Methylene chloride	7.04	84	39492	0.50	ppb		97
22) Allyl chloride	7.03	41	46166	0.48	ppb		92
23) Carbon disulfide	7.21	76	132300	0.52	ppb		98
24) trans-1,2-dichloroethene	7.98	61	56950	0.48	ppb		99
25) methyl tert-butyl ether	8.01	73	121423	0.50	ppb		99
26) 1,1-dichloroethane	8.41	63	73366	0.48	ppb		99
27) Vinyl acetate	8.39	43	36128	0.52	ppb		95
28) Methyl Ethyl Ketone	8.89	72	20861	0.46	ppb	#	100
29) cis-1,2-dichloroethene	9.34	61	57809	0.49	ppb		98
30) Hexane	8.94	57	68393	0.49	ppb		94
31) Ethyl acetate	9.49	43	120827	0.50	ppb		98
32) Chloroform	9.95	83	95864	0.50	ppb		99
33) Tetrahydrofuran	10.12	42	40004	0.49	ppb		99
34) 1,2-dichloroethane	11.06	62	55197	0.50	ppb		97
36) 1,1,1-trichloroethane	10.78	97	102184	0.50	ppb		99
37) Cyclohexane	11.49	56	65754	0.49	ppb		98
38) Carbon tetrachloride	11.42	117	94745	0.48	ppb		97
39) Benzene	11.39	78	139455	0.49	ppb		99
40) Methyl methacrylate	12.97	41	56565	0.53	ppb		95
41) 1,4-dioxane	12.99	88	35078	0.51	ppb		97
42) 2,2,4-trimethylpentane	12.26	57	200296	0.49	ppb		96
43) Heptane	12.61	43	72548	0.50	ppb		98
44) Trichloroethene	12.73	130	69919	0.49	ppb		98
45) 1,2-dichloropropane	12.85	63	51606	0.48	ppb		100

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AS010109.D
Acq On : 2 Jan 2021 12:07 am
Sample : A1UG_0.50
Misc : A101_1UG
MS Integration Params: RTEINT.P
Quant Time: Jan 02 08:58:24 2021

Vial: 8
Operator: RJP
Inst : MSD #1
Multiplr: 1.00
Quant Results File: A101_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A101_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Sat Jan 02 08:55:32 2021
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AS010107.D
DataAcq Meth : 1UG_ENT

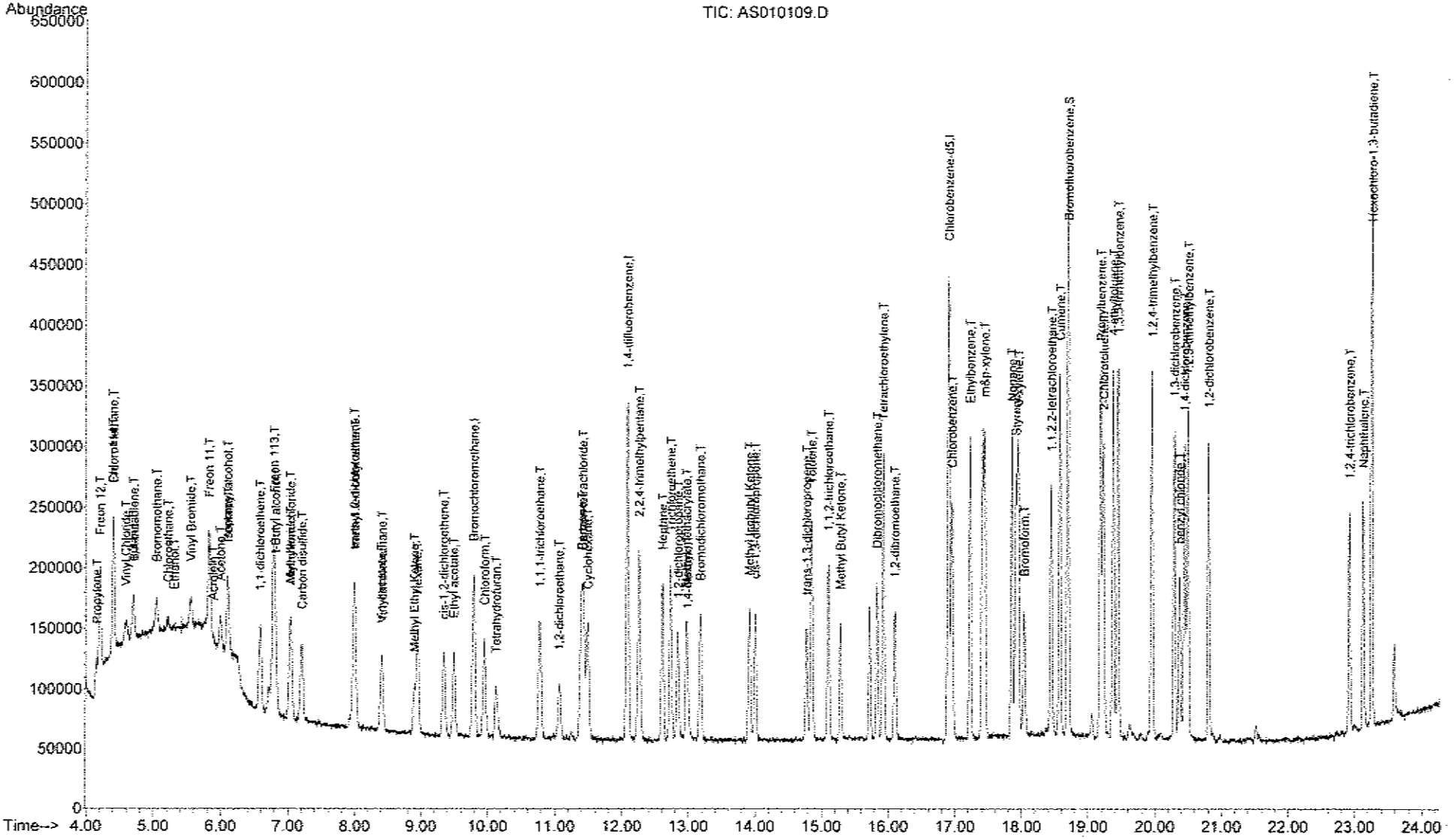
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46)	Bromodichloromethane	13.18	83	95790	0.48	ppb		98
47)	cis-1,3-dichloropropene	14.00	75	86449	0.49	ppb		100
48)	trans-1,3-dichloropropene	14.77	75	76281	0.50	ppb		96
49)	1,1,2-trichloroethane	15.10	97	61662	0.48	ppb		96
51)	Toluene	14.85	92	104834	0.49	ppb		98
52)	Methyl Isobutyl Ketone	13.92	43	91298	0.48	ppb		99
53)	Dibromochloromethane	15.84	129	94682	0.48	ppb		98
54)	Methyl Butyl Ketone	15.28	43	80617	0.47	ppb		97
55)	1,2-dibromoethane	16.10	107	99732	0.48	ppb		100
56)	Tetrachloroethylene	15.92	164	72052	0.49	ppb		98
57)	Chlorobenzene	16.95	112	144291	0.48	ppb		99
58)	Ethylbenzene	17.22	91	234504	0.48	ppb		99
59)	m&p-xylene	17.44	91	369957	0.96	ppb		100
60)	Nonane	17.85	43	107461	0.48	ppb		96
61)	Styrene	17.91	104	143784	0.47	ppb		95
62)	Bromoform	18.03	173	65425	0.46	ppb		100
63)	o-xylene	17.95	91	192297	0.48	ppb		100
64)	Cumene	18.57	105	271012	0.49	ppb		99
66)	1,1,2,2-tetrachloroethane	18.44	83	135010	0.46	ppb		99
67)	Propylbenzene	19.18	120	75039	0.48	ppb		91
68)	2-Chlorotoluene	19.23	126	68288	0.48	ppb	#	94
69)	4-ethyltoluene	19.37	105	258005	0.47	ppb		99
70)	1,3,5-trimethylbenzene	19.44	105	224893	0.48	ppb		76
71)	1,2,4-trimethylbenzene	19.95	105	225767	0.47	ppb		100
72)	1,3-dichlorobenzene	20.29	146	147051	0.47	ppb		100
73)	benzyl chloride	20.36	91	141483	0.45	ppb		98
74)	1,4-dichlorobenzene	20.44	146	142246	0.46	ppb		98
75)	1,2,3-trimethylbenzene	20.49	105	216209	0.47	ppb		98
76)	1,2-dichlorobenzene	20.80	146	139030	0.47	ppb		99
77)	1,2,4-trichlorobenzene	22.92	180	73617	0.41	ppb		98
78)	Naphthalene	23.12	128	185141	0.43	ppb		99
79)	Hexachloro-1,3-butadiene	23.24	225	103859	0.46	ppb		99

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AS010109.D Vial: 8
Acq On : 2 Jan 2021 12:07 am Operator: RJP
Sample : A1UG_0.50 Inst : MSD #1
Misc : A101_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jan 2 10:34 2021 Quant Results File: A101_1UG.RES

Method : C:\HPCHEM\1\METHODS\A101_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Tue Jan 12 09:46:09 2021
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AS010107.D



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Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AS010110.D Vial: 9
Acq On : 2 Jan 2021 12:48 am Operator: RJP
Sample : A1UG_0.30 Inst : MSD #1
Misc : A101_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jan 02 08:58:50 2021 Quant Results File: A101_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A101_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Sat Jan 02 08:55:32 2021
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AS010107.D
DataAcq Meth : 1UG_ENT

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	9.79	128	62207	1.00	ppb		0.00
35) 1,4-difluorobenzene	12.09	114	322138	1.00	ppb		0.00
50) Chlorobenzene-d5	16.90	117	289549	1.00	ppb		0.00
System Monitoring Compounds							
65) Bromofluorobenzene	18.69	95	211797	0.97	ppb		0.00
Spiked Amount 1.000	Range 70 - 130		Recovery = 97.00%				
Target Compounds							Qvalue
2) Propylene	4.15	41	15175m	0.31	ppb		
3) Freon 12	4.20	85	61708	0.29	ppb		98
4) Chloromethane	4.40	50	11409	0.31	ppb		94
5) Freon 114	4.40	85	39133	0.29	ppb		91
6) Vinyl Chloride	4.59	62	11742	0.30	ppb		59
7) Butane	4.70	43	12965m	0.34	ppb		
8) 1,3-butadiene	4.70	39	9554	0.33	ppb		88
9) Bromomethane	5.04	94	16257	0.32	ppb		92
10) Chloroethane	5.21	64	5808	0.33	ppb		96
11) Ethanol	5.32	45	2797m	0.33	ppb		
12) Acrolein	5.90	56	3923m	0.29	ppb		
13) Vinyl Bromide	5.55	106	15566	0.31	ppb		96
14) Freon 11	5.82	101	64468	0.29	ppb		98
15) Acetone	6.00	58	12866	0.43	ppb	#	69
16) Pentane	6.10	42	21600m	0.43	ppb		
17) Isopropyl alcohol	6.10	45	28121m	0.38	ppb		
18) 1,1-dichloroethene	6.59	96	25682	0.29	ppb		98
19) Freon 113	6.79	101	52745	0.28	ppb		99
20) t-Butyl alcohol	6.82	59	46485	0.27	ppb	#	86
21) Methylene chloride	7.05	84	23375	0.30	ppb		97
22) Allyl chloride	7.03	41	25717	0.27	ppb		94
23) Carbon disulfide	7.21	76	81596	0.33	ppb		98
24) trans-1,2-dichloroethene	7.98	61	33984	0.29	ppb		97
25) methyl tert-butyl ether	8.00	73	67134	0.28	ppb		97
26) 1,1-dichloroethane	8.41	63	44907	0.30	ppb		99
27) Vinyl acetate	8.39	43	19211	0.28	ppb		96
28) Methyl Ethyl Ketone	8.90	72	12363	0.28	ppb	#	100
29) cis-1,2-dichloroethene	9.34	61	32620	0.28	ppb		97
30) Hexane	8.95	57	38624	0.28	ppb		95
31) Ethyl acetate	9.50	43	69666	0.29	ppb		99
32) Chloroform	9.95	83	54975	0.29	ppb		100
33) Tetrahydrofuran	10.13	42	23531	0.29	ppb		99
34) 1,2-dichloroethane	11.07	62	32131	0.29	ppb		94
36) 1,1,1-trichloroethane	10.78	97	56908	0.28	ppb		96
37) Cyclohexane	11.48	56	37168	0.28	ppb		99
38) Carbon tetrachloride	11.43	117	55108	0.28	ppb		95
39) Benzene	11.39	78	79089	0.28	ppb		96
40) Methyl methacrylate	12.97	41	31433	0.30	ppb		99
41) 1,4-dioxane	12.99	88	19869	0.29	ppb		99
42) 2,2,4-trimethylpentane	12.26	57	116839	0.29	ppb		95
43) Heptane	12.61	43	44220	0.31	ppb		96
44) Trichloroethene	12.73	130	40363	0.29	ppb		97
45) 1,2-dichloropropane	12.84	63	30172	0.29	ppb		98

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AS010110.D Vial: 9
Acq On : 2 Jan 2021 12:48 am Operator: RJP
Sample : A1UG_0.30 Inst : MSD #1
Misc : A101_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jan 02 08:58:50 2021 Quant Results File: A101_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A101_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Sat Jan 02 08:55:32 2021
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AS010107.D
DataAcq Meth : 1UG_ENT

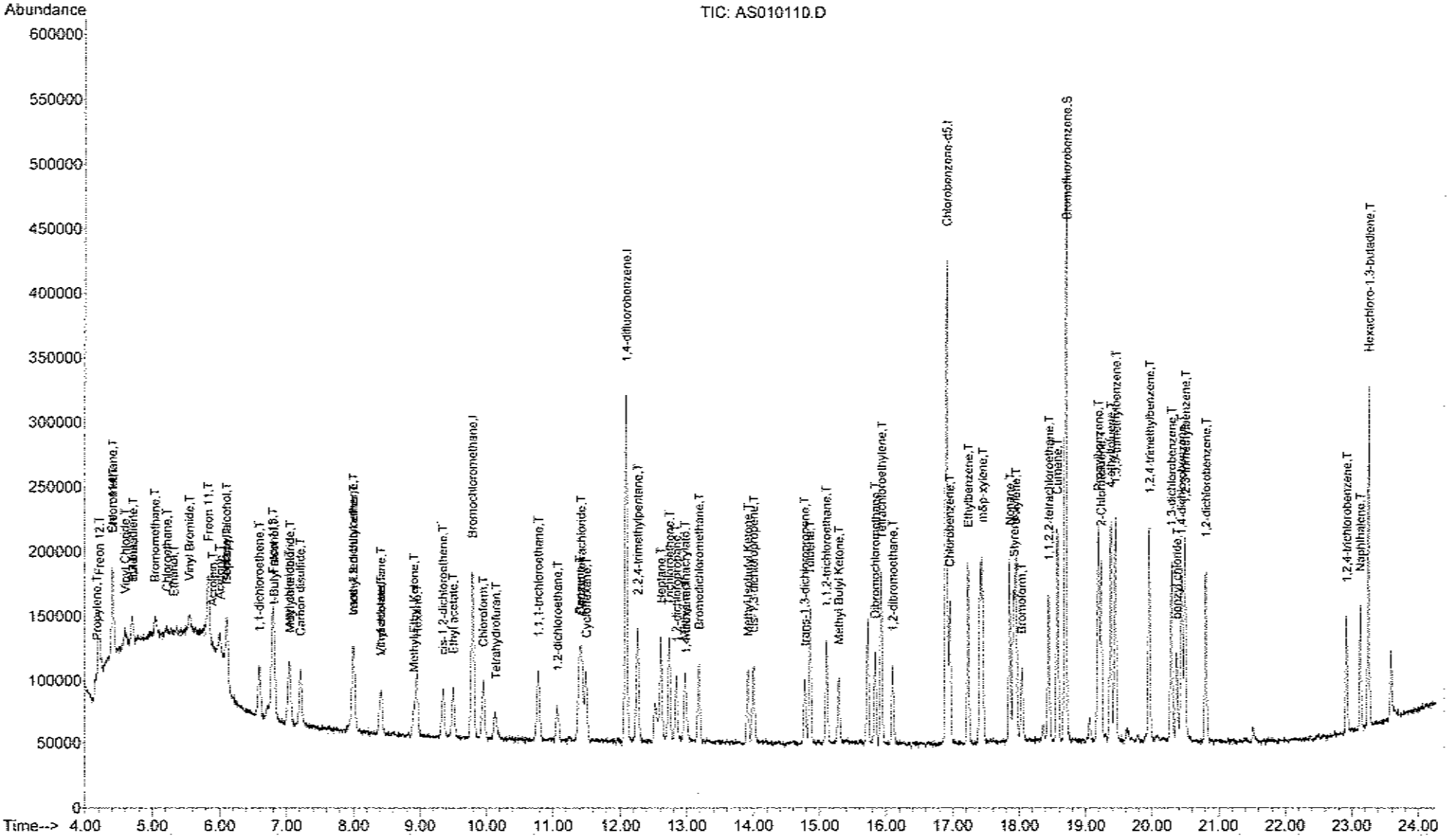
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
46)	Bromodichloromethane	13.18	83	55884	0.28	ppb	100
47)	cis-1,3-dichloropropene	14.00	75	51036	0.29	ppb	99
48)	trans-1,3-dichloropropene	14.77	75	41762	0.28	ppb	95
49)	1,1,2-trichloroethane	15.10	97	36830	0.29	ppb	99
51)	Toluene	14.85	92	62171	0.30	ppb	95
52)	Methyl Isobutyl Ketone	13.91	43	56621	0.31	ppb	95
53)	Dibromochloromethane	15.84	129	52629	0.28	ppb	99
54)	Methyl Butyl Ketone	15.28	43	47275	0.28	ppb	95
55)	1,2-dibromoethane	16.10	107	54513	0.27	ppb	97
56)	Tetrachloroethylene	15.93	164	40404	0.28	ppb	99
57)	Chlorobenzene	16.95	112	82750	0.28	ppb	99
58)	Ethylbenzene	17.23	91	134425	0.28	ppb	100
59)	m&p-xylene	17.44	91	209583	0.56	ppb	98
60)	Nonane	17.85	43	63488	0.29	ppb	89
61)	Styrene	17.91	104	81238	0.27	ppb	93
62)	Bromoform	18.04	173	36834	0.27	ppb	99
63)	o-xylene	17.95	91	109687	0.28	ppb	99
64)	Cumene	18.57	105	150068	0.28	ppb	100
66)	1,1,2,2-tetrachloroethane	18.44	83	79744	0.28	ppb	99
67)	Propylbenzene	19.18	120	42311	0.28	ppb	93
68)	2-Chlorotoluene	19.23	126	39608	0.28	ppb	99
69)	4-ethyltoluene	19.37	105	145343	0.27	ppb	99
70)	1,3,5-trimethylbenzene	19.44	105	126664	0.28	ppb	75
71)	1,2,4-trimethylbenzene	19.95	105	128590	0.28	ppb	100
72)	1,3-dichlorobenzene	20.28	146	81090	0.26	ppb	98
73)	benzyl chloride	20.36	91	74048	0.24	ppb	99
74)	1,4-dichlorobenzene	20.44	146	77401	0.25	ppb	99
75)	1,2,3-trimethylbenzene	20.49	105	124145	0.28	ppb	99
76)	1,2-dichlorobenzene	20.80	146	75768	0.26	ppb	99
77)	1,2,4-trichlorobenzene	22.92	180	38057m	0.22	ppb	
78)	Naphthalene	23.12	128	95843	0.23	ppb	99
79)	Hexachloro-1,3-butadiene	23.24	225	56015	0.26	ppb	98

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AS010110.D Vial: 9
Acq On : 2 Jan 2021 12:48 am Operator: RJP
Sample : A1UG_0.30 Inst : MSD #1
Misc : A101_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jan 2 10:36 2021 Quant Results File: A101_1UG.RES

Method : C:\HPCHEM\1\METHODS\A101_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Tue Jan 12 09:46:09 2021
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AS010107.D



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Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AS010111.D Vial: 10
Acq On : 2 Jan 2021 1:32 am Operator: RJP
Sample : A1UG_0.15 Inst : MSD #1
Misc : A101_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jan 02 08:59:21 2021 Quant Results File: A101_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A101_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Sat Jan 02 08:55:32 2021
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AS010107.D
DataAcq Meth : 1UG_ENT

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	9.79	128	59376	1.00	ppb		0.00
35) 1,4-difluorobenzene	12.08	114	320177	1.00	ppb		0.00
50) Chlorobenzene-d5	16.90	117	284318	1.00	ppb		0.00
System Monitoring Compounds							
65) Bromofluorobenzene	18.69	95	207598	0.97	ppb		0.00
Spiked Amount 1.000	Range 70 - 130		Recovery = 97.00%				
Target Compounds							Qvalue
2) Propylene	4.16	41	7340m	0.16	ppb		
3) Freon 12	4.20	85	27342	0.14	ppb		100
4) Chloromethane	4.40	50	5365	0.15	ppb		95
5) Freon 114	4.40	85	18797	0.15	ppb		98
6) Vinyl Chloride	4.59	62	6808	0.18	ppb		86
7) Butane	4.69	43	5549	0.15	ppb	#	64
8) 1,3-butadiene	4.70	39	5164	0.19	ppb		85
9) Bromomethane	5.04	94	8269	0.17	ppb		97
10) Chloroethane	5.22	64	2650m	0.16	ppb		
11) Ethanol	5.23	45	1164	0.14	ppb		88
12) Acrolein	5.89	56	2325m	0.18	ppb		
13) Vinyl Bromide	5.55	106	11147	0.24	ppb		90
14) Freon 11	5.82	101	31705	0.15	ppb		97
15) Acetone	6.00	58	6810m	0.24	ppb		
16) Pentane	6.10	42	12664	0.26	ppb	#	6
17) Isopropyl alcohol	6.11	45	14747	0.21	ppb	#	1
18) 1,1-dichloroethene	6.59	96	11400	0.13	ppb		92
19) Freon 113	6.79	101	23456	0.13	ppb		98
20) t-Butyl alcohol	6.82	59	21807	0.13	ppb	#	84
21) Methylene chloride	7.05	84	11395	0.15	ppb		93
22) Allyl chloride	7.02	41	13864	0.15	ppb	#	47
23) Carbon disulfide	7.20	76	45219	0.19	ppb		97
24) trans-1,2-dichloroethene	7.99	61	15053	0.13	ppb		95
25) methyl tert-butyl ether	8.01	73	31178	0.14	ppb		82
26) 1,1-dichloroethane	8.41	63	18348	0.13	ppb		93
27) Vinyl acetate	8.39	43	10490	0.16	ppb		97
28) Methyl Ethyl Ketone	8.91	72	5563	0.13	ppb	#	100
29) cis-1,2-dichloroethene	9.34	61	14340	0.13	ppb		96
30) Hexane	8.95	57	17065	0.13	ppb	#	78
31) Ethyl acetate	9.50	43	31678	0.14	ppb		100
32) Chloroform	9.95	83	23635	0.13	ppb		97
33) Tetrahydrofuran	10.14	42	10776	0.14	ppb		95
34) 1,2-dichloroethane	11.07	62	14116	0.13	ppb		97
36) 1,1,1-trichloroethane	10.78	97	29580m	0.15	ppb		
37) Cyclohexane	11.48	56	17509	0.13	ppb		93
38) Carbon tetrachloride	11.43	117	25319	0.13	ppb		94
39) Benzene	11.39	78	35530	0.13	ppb		96
40) Methyl methacrylate	12.97	41	15651m	0.15	ppb		
41) 1,4-dioxane	13.00	88	9546	0.14	ppb		89
42) 2,2,4-trimethylpentane	12.26	57	51486	0.13	ppb		92
43) Heptane	12.60	43	20021	0.14	ppb		98
44) Trichloroethene	12.73	130	18287m	0.13	ppb		
45) 1,2-dichloropropane	12.83	63	12942	0.12	ppb		88

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AS010111.D Vial: 10
Acq On : 2 Jan 2021 1:32 am Operator: RJP
Sample : A1UG_0.15 Inst : MSD #1
Misc : A101_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jan 02 08:59:21 2021 Quant Results File: A101_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A101_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Sat Jan 02 08:55:32 2021
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AS010107.D
DataAcq Meth : 1UG_ENT

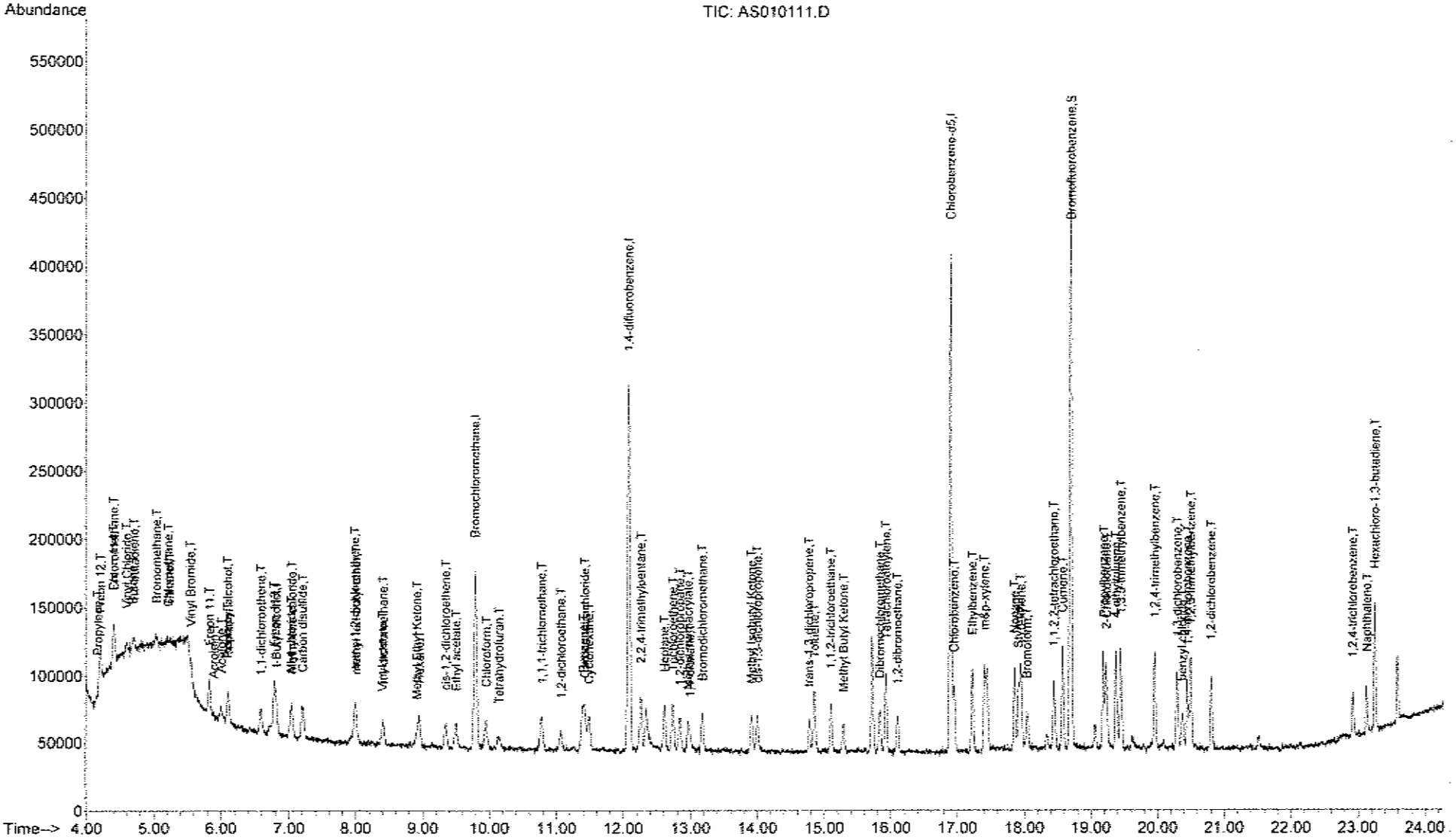
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46)	Bromodichloromethane	13.17	83	24887	0.13	ppb		98
47)	cis-1,3-dichloropropene	14.00	75	21544	0.12	ppb		91
48)	trans-1,3-dichloropropene	14.77	75	19725m	0.13	ppb		
49)	1,1,2-trichloroethane	15.10	97	16464	0.13	ppb		100
51)	Toluene	14.85	92	27946	0.14	ppb		92
52)	Methyl Isobutyl Ketone	13.91	43	25193	0.14	ppb		96
53)	Dibromochloromethane	15.84	129	22950	0.12	ppb		99
54)	Methyl Butyl Ketone	15.28	43	21807m	0.13	ppb		
55)	1,2-dibromoethane	16.10	107	23729	0.12	ppb		92
56)	Tetrachloroethylene	15.92	164	17959	0.13	ppb		98
57)	Chlorobenzene	16.95	112	35621	0.12	ppb		92
58)	Ethylbenzene	17.23	91	58879	0.13	ppb		97
59)	m&p-xylene	17.41	91	91754	0.25	ppb		98
60)	Nonane	17.85	43	26362	0.12	ppb		94
61)	Styrene	17.91	104	33721	0.12	ppb		90
62)	Bromoform	18.04	173	16042m	0.12	ppb		
63)	o-xylene	17.95	91	47745	0.12	ppb		96
64)	Cumene	18.57	105	64954	0.12	ppb		98
66)	1,1,2,2-tetrachloroethane	18.44	83	33425	0.12	ppb		97
67)	Propylbenzene	19.18	120	18536	0.12	ppb		97
68)	2-Chlorotoluene	19.23	126	17598	0.13	ppb	#	92
69)	4-ethyltoluene	19.37	105	61449	0.12	ppb		99
70)	1,3,5-trimethylbenzene	19.44	105	56232	0.13	ppb		78
71)	1,2,4-trimethylbenzene	19.95	105	59892m	0.13	ppb		
72)	1,3-dichlorobenzene	20.29	146	32038m	0.11	ppb		
73)	benzyl chloride	20.37	91	31081m	0.10	ppb		
74)	1,4-dichlorobenzene	20.44	146	31239	0.10	ppb		97
75)	1,2,3-trimethylbenzene	20.48	105	56070m	0.13	ppb		
76)	1,2-dichlorobenzene	20.80	146	29948	0.11	ppb		98
77)	1,2,4-trichlorobenzene	22.91	180	18765m	0.11	ppb		
78)	Naphthalene	23.12	128	48029m	0.12	ppb		
79)	Hexachloro-1,3-butadiene	23.25	225	23066m	0.11	ppb		

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AS010111.D Vial: 10
Acq On : 2 Jan 2021 1:32 am Operator: RJP
Sample : A1UG_0.15 Inst : MSD #1
Misc : A101_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jan 2 10:38 2021 Quant Results File: A101_1UG.RES

Method : C:\HPCHEM\1\METHODS\A101_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Tue Jan 12 09:46:09 2021
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AS010107.D



Centek Laboratories, LLC

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AS010112.D
Acq On : 2 Jan 2021 2:15 am
Sample : A1UG_0.10
Misc : A101_1UG
MS Integration Params: RTEINT.P
Quant Time: Jan 02 08:59:50 2021

Vial: 11
Operator: RJP
Inst : MSD #1
Multiplr: 1.00
Quant Results File: A101_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A101_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Sat Jan 02 08:55:32 2021
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AS010107.D
DataAcq Meth : 1UG_ENT

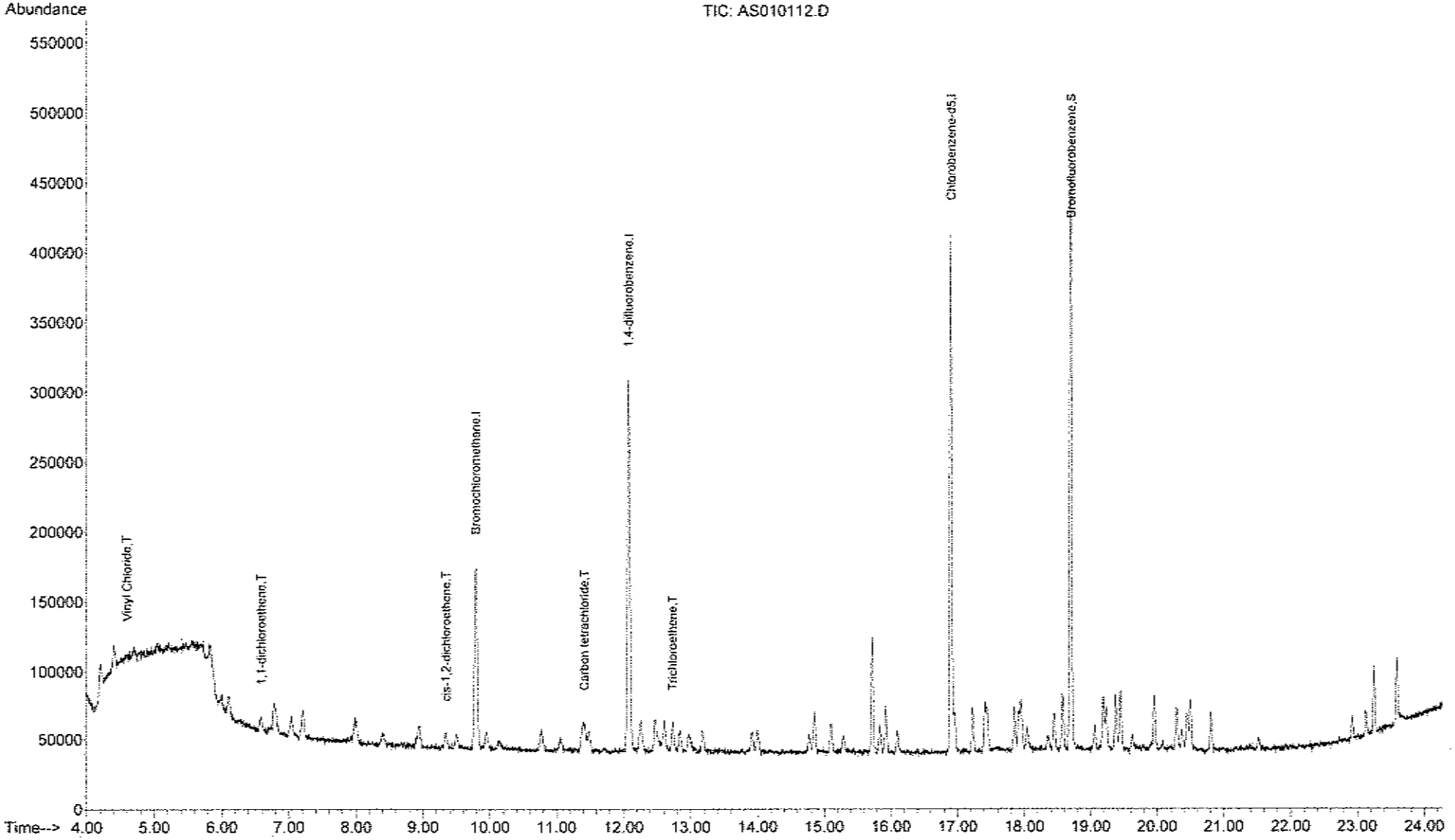
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	9.78	128	60258	1.00	ppb	0.00
35) 1,4-difluorobenzene	12.08	114	315554	1.00	ppb	0.00
50) Chlorobenzene-d5	16.90	117	281394	1.00	ppb	0.00
System Monitoring Compounds						
65) Bromofluorobenzene	18.69	95	203633	0.96	ppb	0.00
Spiked Amount 1.000	Range 70 - 130		Recovery = 96.00%			
Target Compounds						Qvalue
6) Vinyl Chloride	4.59	62	3655m	0.10	ppb	
18) 1,1-dichloroethene	6.59	96	7519	0.09	ppb	90
29) cis-1,2-dichloroethene	9.35	61	8641	0.08	ppb	97
38) Carbon tetrachloride	11.42	117	16528m	0.09	ppb	
44) Trichloroethene	12.73	130	11656m	0.09	ppb	

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AS010112.D Vial: 11
Acq On : 2 Jan 2021 2:15 am Operator: RJP
Sample : A1UG_0.10 Inst : MSD #1
Misc : A101_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jan 2 10:39 2021 Quant Results File: A101_1UG.RES

Method : C:\HPCHEM\1\METHODS\A101_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Tue Jan 12 09:46:09 2021
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AS010107.D



AS010112.D A101_1UG.M Tue Jan 12 09:52:41 2021 MSD1 Page 2

Centek Laboratories, LLC

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AS010113.D Vial: 12
Acq On : 2 Jan 2021 9:28 am Operator: RJP
Sample : A1UG_0.04 Inst : MSD #1
Misc : A101_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jan 02 10:21:33 2021 Quant Results File: A101_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A101_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Sat Jan 02 08:55:32 2021
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AS010107.D
DataAcq Meth : 1UG_ENT

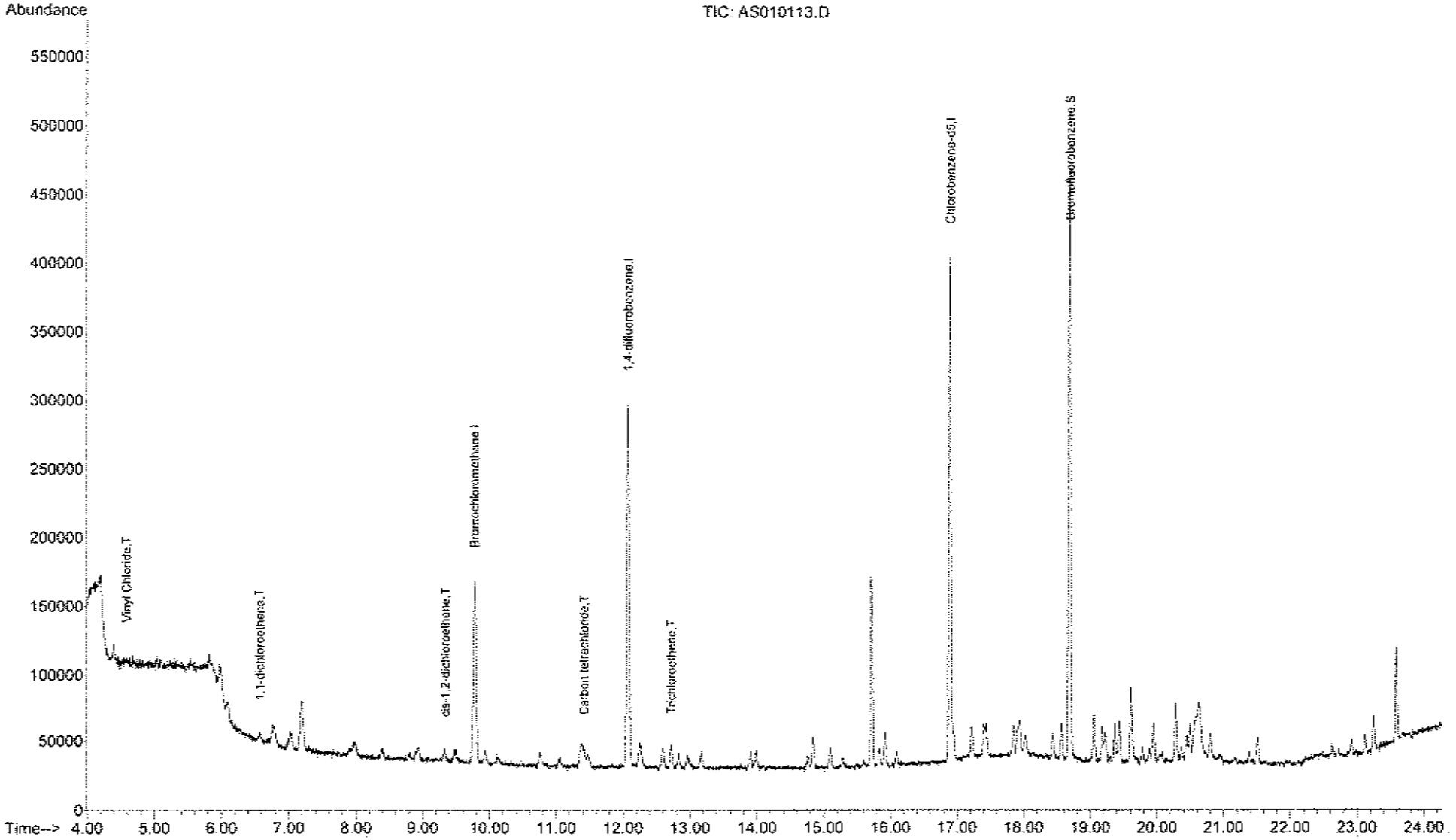
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	9.78	128	61599	1.00	ppb	0.00
35) 1,4-difluorobenzene	12.07	114	315130	1.00	ppb	-0.02
50) Chlorobenzene-d5	16.89	117	277207	1.00	ppb	0.00
System Monitoring Compounds						
65) Bromofluorobenzene	18.69	95	202869	0.97	ppb	0.00
Spiked Amount 1.000	Range 70 - 130		Recovery = 97.00%			
Target Compounds						Qvalue
6) Vinyl Chloride	4.57	62	1983m	0.05	ppb	
18) 1,1-dichloroethene	6.58	96	4752m	0.05	ppb	
29) cis-1,2-dichloroethene	9.33	61	5709	0.05	ppb	81
38) Carbon tetrachloride	11.42	117	9272	0.05	ppb	98
44) Trichloroethene	12.72	130	7223	0.05	ppb	89

(#) = qualifier out of range (m) = manual integration (+) = signals summed
AS010113.D A101_1UG.M Tue Jan 12 09:52:43 2021 MSD1 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AS010113.D Vial: 12
Acq On : 2 Jan 2021 9:28 am Operator: RJP
Sample : A1UG_0.04 Inst : MSD #1
Misc : A101_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jan 2 10:40 2021 Quant Results File: A101_1UG.RES

Method : C:\HPCHEM\1\METHODS\A101_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Tue Jan 12 09:46:09 2021
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AS010107.D



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Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AS010114.D Vial: 13
Acq On : 2 Jan 2021 10:10 am Operator: RJP
Sample : A1UG_0.03 Inst : MSD #1
Misc : A101_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jan 02 10:41:05 2021 Quant Results File: A101_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A101_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Sat Jan 02 08:55:32 2021
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AS010107.D
DataAcq Meth : 1UG_ENT

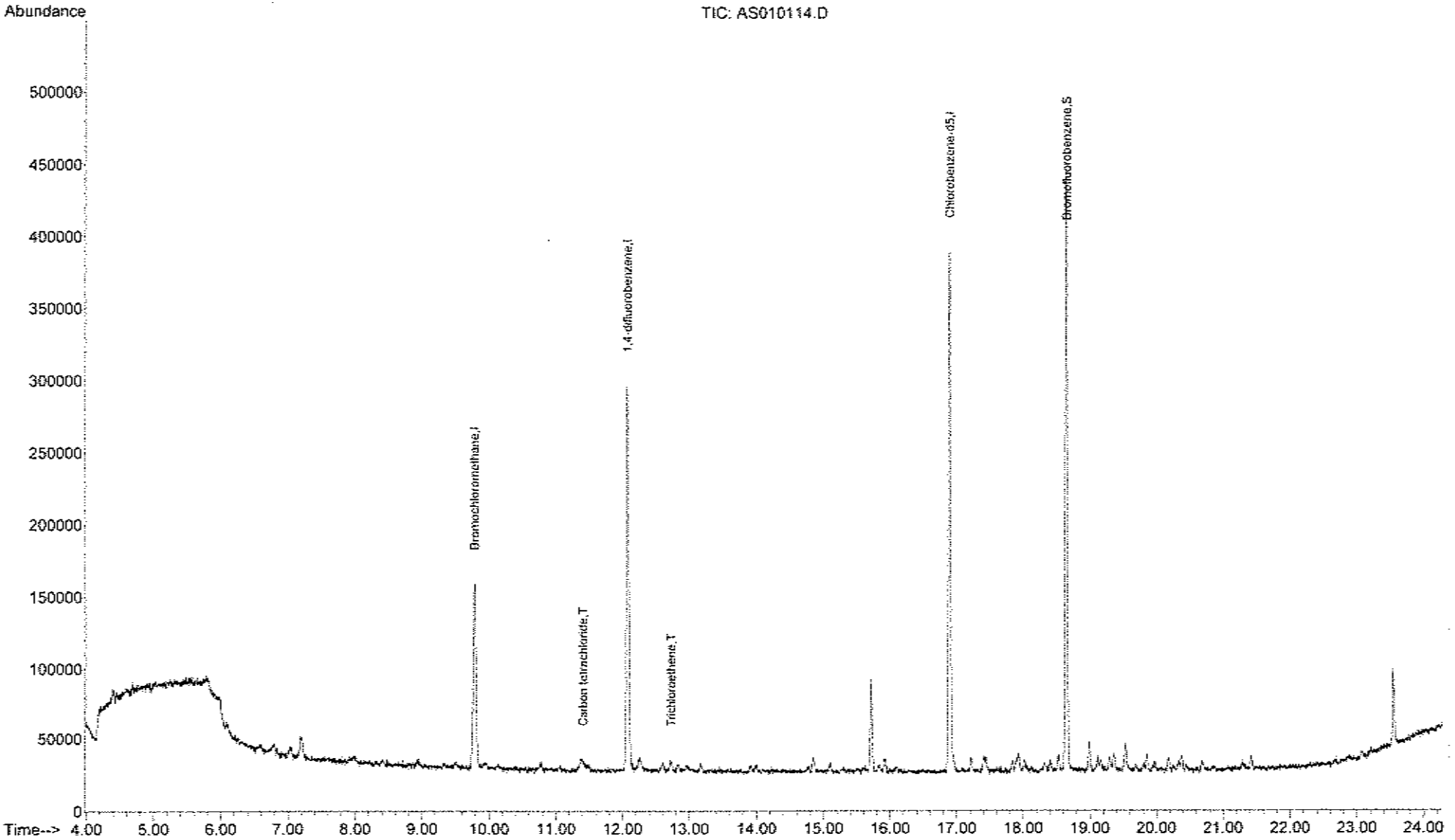
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	9.79	128	60031	1.00	ppb	0.00
35) 1,4-difluorobenzene	12.08	114	311126	1.00	ppb	0.00
50) Chlorobenzene-d5	16.90	117	274820	1.00	ppb	0.00
System Monitoring Compounds						
65) Bromofluorobenzene	18.64	95	191418	0.92	ppb	-0.05
Spiked Amount 1.000	Range 70 - 130		Recovery = 92.00%			
Target Compounds						Qvalue
38) Carbon tetrachloride	11.41	117	4381m	0.02	ppb	
44) Trichloroethene	12.73	130	3067m	0.02	ppb	

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AS010114.D Vial: 13
Acq On : 2 Jan 2021 10:10 am Operator: RJP
Sample : A1UG_0.03 Inst : MSD #1
Misc : A101_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jan 2 10:42 2021 Quant Results File: A101_1UG.RES

Method : C:\HPCHEM\1\METHODS\A101_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Tue Jan 12 09:46:09 2021
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AS010107.D



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GC/MS VOLATILES-WHOLE AIR

METHOD TO-15

CALIBRATION VERIFICATION

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\AS010202.D Vial: 2
Acq On : 2 Jan 2021 11:52 am Operator: RJP
Sample : A1UG_1.0 Inst : MSD #1
Misc : A101_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\A101_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Tue Jan 12 09:46:09 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	95	0.00
2	T	Propylene	0.827	0.819	1.0	91	0.00
3	T	Freon 12	3.314	3.561	-7.5	100	0.00
4	T	Chloromethane	0.607	0.620	-2.1	100	0.00
5	T	Freon 114	2.132	2.324	-9.0	103	0.00
6	T	Vinyl Chloride	0.655	0.640	2.3	97	0.00
7	T	Butane	0.628	0.596	5.1	91	0.00
8	T	1,3-butadiene	0.471	0.465	1.3	95	0.00
9	T	Bromomethane	0.834	0.823	1.3	97	0.00
10	T	Chloroethane	0.297	0.307	-3.4	103	0.00
11	T	Ethanol	0.131	0.108	17.6	81	0.00
12	T	Acrolein	0.218	0.195	10.6	84	0.00
13	T	Vinyl Bromide	0.863	0.839	2.8	100	0.00
14	T	Freon 11	3.494	3.686	-5.5	100	0.00
15	T	Acetone	0.569	0.521	8.4	101	0.00
16	T	Pentane	0.943	0.841	10.8	98	0.00
17	T	Isopropyl alcohol	1.300	1.236	4.9	98	0.00
18	T	1,1-dichloroethene	1.430	1.376	3.8	92	0.00
19	T	Freon 113	2.885	2.914	-1.0	93	0.00
20	t	t-Butyl alcohol	2.592	2.591	0.0	90	0.00
21	T	Methylene chloride	1.245	1.211	2.7	93	0.00
22	T	Allyl chloride	1.459	1.420	2.7	90	0.00
23	T	Carbon disulfide	4.184	3.952	5.5	93	0.00
24	T	trans-1,2-dichloroethene	1.814	1.871	-3.1	95	0.00
25	T	methyl tert-butyl ether	3.772	3.798	-0.7	93	0.00
26	T	1,1-dichloroethane	2.346	2.407	-2.6	94	0.00
27	T	Vinyl acetate	1.098	1.089	0.8	94	0.00
28	T	Methyl Ethyl Ketone	0.670	0.653	2.5	88	0.00
29	T	cis-1,2-dichloroethene	1.812	1.811	0.1	93	0.00
30	T	Hexane	2.129	2.088	1.9	90	0.00
31	T	Ethyl acetate	3.776	3.741	0.9	94	0.00
32	T	Chloroform	2.985	3.021	-1.2	94	0.00
33	T	Tetrahydrofuran	1.257	1.249	0.6	92	0.00
34	T	1,2-dichloroethane	1.737	1.783	-2.6	96	0.00
35	I	1,4-difluorobenzene	1.000	1.000	0.0	92	0.00
36	T	1,1,1-trichloroethane	0.618	0.634	-2.6	93	0.00
37	T	Cyclohexane	0.396	0.400	-1.0	91	0.00
38	T	Carbon tetrachloride	0.586	0.592	-1.0	90	0.00
39	T	Benzene	0.848	0.873	-2.9	91	0.00
40	T	Methyl methacrylate	0.328	0.324	1.2	92	0.00
41	T	1,4-dioxane	0.212	0.214	-0.9	93	0.00
42	T	2,2,4-trimethylpentane	1.222	1.272	-4.1	93	0.00
43	T	Heptane	0.443	0.462	-4.3	95	0.00
44	T	Trichloroethene	0.423	0.428	-1.2	91	0.00
45	T	1,2-dichloropropane	0.315	0.328	-4.1	92	0.00
46	T	Bromodichloromethane	0.590	0.609	-3.2	91	0.00
47	T	cis-1,3-dichloropropene	0.530	0.539	-1.7	91	0.00
48	T	trans-1,3-dichloropropene	0.457	0.469	-2.6	93	0.00
49	T	1,1,2-trichloroethane	0.385	0.390	-1.3	91	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\AS010202.D Vial: 2
Acq On : 2 Jan 2021 11:52 am Operator: RJP
Sample : A1UG_1.0 Inst : MSD #1
Misc : A101_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\A101_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Tue Jan 12 09:46:09 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	0.716	0.741	-3.5	92	0.00
52	T	Methyl Isobutyl Ketone	0.629	0.653	-3.8	93	0.00
53	T	Dibromochloromethane	0.642	0.647	-0.8	89	0.00
54	T	Methyl Butyl Ketone	0.564	0.594	-5.3	92	0.00
55	T	1,2-dibromoethane	0.664	0.706	-6.3	92	0.00
56	T	Tetrachloroethylene	0.486	0.504	-3.7	92	0.00
57	T	Chlorobenzene	0.985	1.015	-3.0	90	0.00
58	T	Ethylbenzene	1.586	1.653	-4.2	92	0.00
59	T	m&p-xylene	1.250	1.308	-4.6	91	0.00
60	T	Nonane	0.724	0.751	-3.7	90	0.00
61	T	Styrene	0.982	1.026	-4.5	91	0.00
62	T	Bromoform	0.459	0.435	5.2	83	0.00
63	T	o-xylene	1.305	1.356	-3.9	91	0.00
64	T	Cumene	1.802	1.865	-3.5	90	0.00
65	S	Bromofluorobenzene	0.737	0.744	-0.9	89	0.00
66	T	1,1,2,2-tetrachloroethane	0.939	0.981	-4.5	91	0.00
67	T	Propylbenzene	0.512	0.524	-2.3	89	0.00
68	T	2-Chlorotoluene	0.471	0.487	-3.4	92	0.00
69	T	4-ethyltoluene	1.770	1.844	-4.2	90	0.00
70	T	1,3,5-trimethylbenzene	1.527	1.573	-3.0	90	0.00
71	T	1,2,4-trimethylbenzene	1.558	1.590	-2.1	90	0.00
72	T	1,3-dichlorobenzene	1.006	1.053	-4.7	90	0.00
73	T	benzyl chloride	0.994	0.985	0.9	85	0.00
74	T	1,4-dichlorobenzene	0.985	1.036	-5.2	89	0.00
75	T	1,2,3-trimethylbenzene	1.485	1.535	-3.4	90	0.00
76	T	1,2-dichlorobenzene	0.945	1.000	-5.8	91	0.00
77	T	1,2,4-trichlorobenzene	0.564	0.565	-0.2	85	0.00
78	T	Naphthalene	1.368	1.384	-1.2	86	0.00
79	T	Hexachloro-1,3-butadiene	0.713	0.738	-3.5	88	0.00

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AS010202.D Vial: 2
Acq On : 2 Jan 2021 11:52 am Operator: RJP
Sample : A1UG_1.0 Inst : MSD #1
Misc : A101_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jan 03 09:30:27 2021 Quant Results File: A101_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A101_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Sat Jan 02 10:49:46 2021
Response via : Initial Calibration
DataAcq Meth : 1UG_ENT

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	9.79	128	61728	1.00	ppb		0.01
35) 1,4-difluorobenzene	12.09	114	309652	1.00	ppb		0.00
50) Chlorobenzene-d5	16.90	117	275832	1.00	ppb		0.00
System Monitoring Compounds							
65) Bromofluorobenzene	18.70	95	205097	1.01	ppb		0.00
Spiked Amount 1.000	Range 70 - 130		Recovery = 101.00%				
Target Compounds							Qvalue
2) Propylene	4.15	41	50528	0.99	ppb		95
3) Freon 12	4.20	85	219807	1.07	ppb		98
4) Chloromethane	4.40	50	38300	1.02	ppb		99
5) Freon 114	4.40	85	143457	1.09	ppb		99
6) Vinyl Chloride	4.59	62	39529	0.98	ppb		99
7) Butane	4.69	43	36789	0.95	ppb		99
8) 1,3-butadiene	4.69	39	28698	0.99	ppb		96
9) Bromomethane	5.03	94	50808	0.99	ppb		97
10) Chloroethane	5.21	64	18977	1.04	ppb		93
11) Ethanol	5.30	45	6664	0.82	ppb	#	65
12) Acrolein	5.89	56	12060	0.90	ppb		95
13) Vinyl Bromide	5.55	106	51765	0.97	ppb		99
14) Freon 11	5.82	101	227555	1.05	ppb		100
15) Acetone	5.99	58	32163	0.92	ppb	#	77
16) Pentane	6.10	42	51888	0.89	ppb		97
17) Isopropyl alcohol	6.10	45	76313	0.95	ppb		92
18) 1,1-dichloroethene	6.59	96	84943	0.96	ppb		95
19) Freon 113	6.78	101	179889	1.01	ppb		98
20) t-Butyl alcohol	6.81	59	159941	1.00	ppb		96
21) Methylene chloride	7.04	84	74726	0.97	ppb		100
22) Allyl chloride	7.03	41	87644	0.97	ppb		97
23) Carbon disulfide	7.20	76	243951	0.94	ppb		98
24) trans-1,2-dichloroethene	7.98	61	115494	1.03	ppb		97
25) methyl tert-butyl ether	8.00	73	234430	1.01	ppb		100
26) 1,1-dichloroethane	8.41	63	148591	1.03	ppb		96
27) Vinyl acetate	8.39	43	67224	0.99	ppb		98
28) Methyl Ethyl Ketone	8.89	72	40319	0.98	ppb	#	100
29) cis-1,2-dichloroethene	9.34	61	111759	1.00	ppb		97
30) Hexane	8.94	57	128861	0.98	ppb		98
31) Ethyl acetate	9.49	43	230938	0.99	ppb		99
32) Chloroform	9.95	83	186452	1.01	ppb		99
33) Tetrahydrofuran	10.11	42	77075	0.99	ppb		98
34) 1,2-dichloroethane	11.06	62	110055	1.03	ppb		98
36) 1,1,1-trichloroethane	10.78	97	196389	1.03	ppb		99
37) Cyclohexane	11.49	56	123999	1.01	ppb		99
38) Carbon tetrachloride	11.43	117	183313	1.01	ppb		98
39) Benzene	11.39	78	270182	1.03	ppb		99
40) Methyl methacrylate	12.96	41	100390	0.99	ppb		100
41) 1,4-dioxane	12.98	88	66183	1.01	ppb		97
42) 2,2,4-trimethylpentane	12.26	57	393967	1.04	ppb		99
43) Heptane	12.61	43	142986	1.04	ppb		95
44) Trichloroethene	12.73	130	132666	1.01	ppb		99
45) 1,2-dichloropropane	12.84	63	101530	1.04	ppb		96

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AS010202.D Vial: 2
Acq On : 2 Jan 2021 11:52 am Operator: RJP
Sample : A1UG_1.0 Inst : MSD #1
Misc : A101_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jan 03 09:30:27 2021 Quant Results File: A101_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A101_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Sat Jan 02 10:49:46 2021
Response via : Initial Calibration
DataAcq Meth : 1UG_ENT

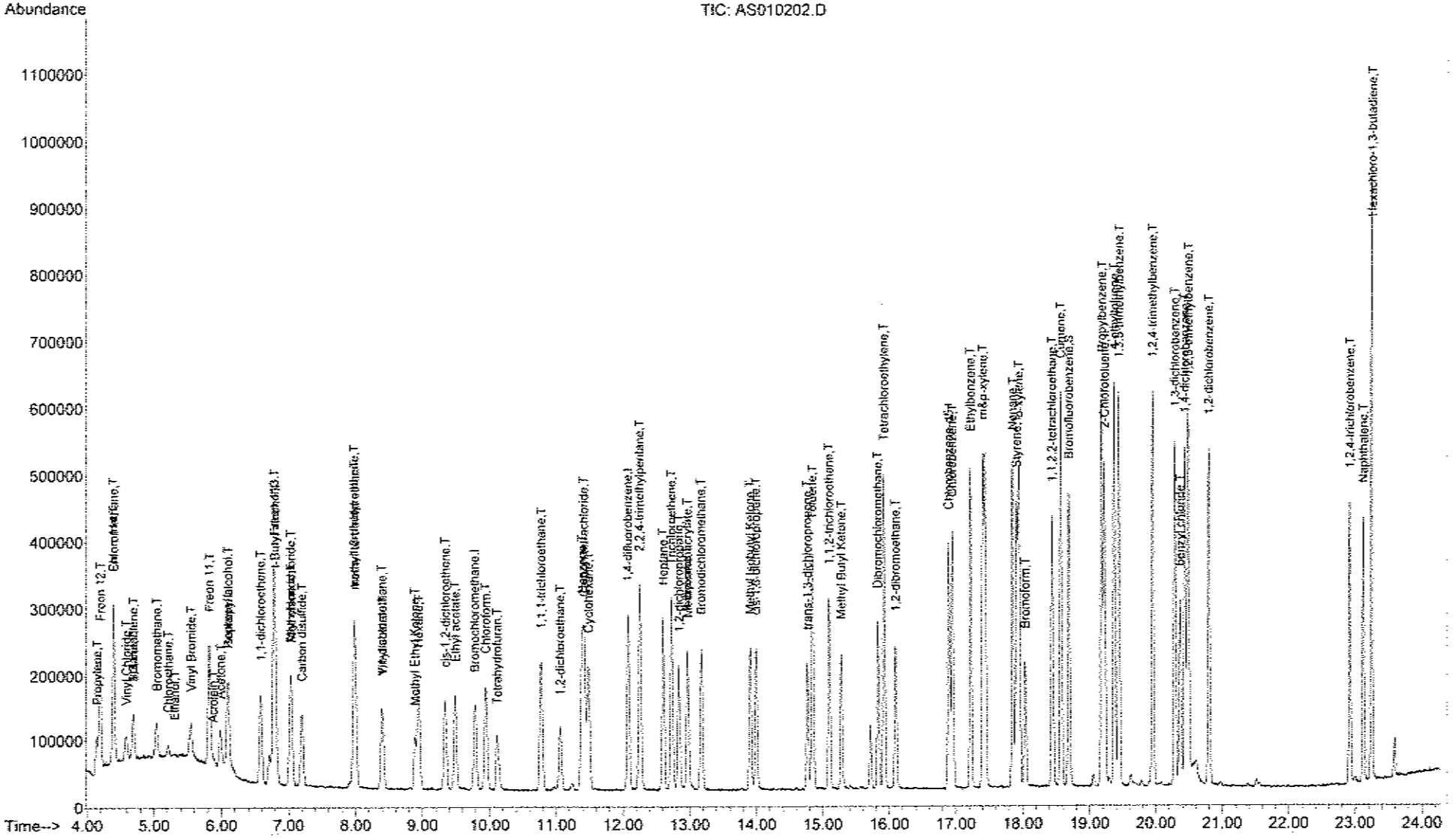
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
46)	Bromodichloromethane	13.18	83	188661	1.03	ppb	99
47)	cis-1,3-dichloropropene	14.00	75	166848	1.02	ppb	97
48)	trans-1,3-dichloropropene	14.77	75	145131	1.03	ppb	96
49)	1,1,2-trichloroethane	15.10	97	120643	1.01	ppb	100
51)	Toluene	14.85	92	204350	1.03	ppb	99
52)	Methyl Isobutyl Ketone	13.91	43	180026	1.04	ppb	98
53)	Dibromochloromethane	15.84	129	178526	1.01	ppb	100
54)	Methyl Butyl Ketone	15.28	43	163947	1.05	ppb	96
55)	1,2-dibromoethane	16.10	107	194648	1.06	ppb	100
56)	Tetrachloroethylene	15.93	164	138981	1.04	ppb	98
57)	Chlorobenzene	16.95	112	279881	1.03	ppb	100
58)	Ethylbenzene	17.23	91	455894	1.04	ppb	99
59)	m&p-xylene	17.41	91	721623	2.09	ppb	100
60)	Nonane	17.85	43	207192	1.04	ppb	95
61)	Styrene	17.91	104	282985	1.04	ppb	98
62)	Bromoform	18.04	173	119900	0.95	ppb	100
63)	o-xylene	17.95	91	374005	1.04	ppb	100
64)	Cumene	18.57	105	514448	1.04	ppb	99
66)	1,1,2,2-tetrachloroethane	18.44	83	270615	1.04	ppb	98
67)	Propylbenzene	19.18	120	144433	1.02	ppb	89
68)	2-Chlorotoluene	19.23	126	134333	1.03	ppb	97
69)	4-ethyltoluene	19.37	105	508499	1.04	ppb	100
70)	1,3,5-trimethylbenzene	19.45	105	433748	1.03	ppb	76
71)	1,2,4-trimethylbenzene	19.95	105	438482	1.02	ppb	99
72)	1,3-dichlorobenzene	20.29	146	290504	1.05	ppb	99
73)	benzyl chloride	20.37	91	271790	0.99	ppb	99
74)	1,4-dichlorobenzene	20.44	146	285718	1.05	ppb	99
75)	1,2,3-trimethylbenzene	20.49	105	423331	1.03	ppb	98
76)	1,2-dichlorobenzene	20.80	146	275930	1.06	ppb	98
77)	1,2,4-trichlorobenzene	22.92	180	155906	1.00	ppb	100
78)	Naphthalene	23.12	128	381689	1.01	ppb	99
79)	Hexachloro-1,3-butadiene	23.24	225	203678	1.04	ppb	100

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AS010202.D Vial: 2
Acq On : 2 Jan 2021 11:52 am Operator: RJP
Sample : A10G_1.0 Inst : MSD #1
Misc : A101_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jan 3 9:30 2021 Quant Results File: A101_1UG.RES

Method : C:\HPCHEM\1\METHODS\A101_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Tue Jan 12 09:46:09 2021
Response via : Initial Calibration



Centek Laboratories, LLC

GC/MS VOLATILES-WHOLE AIR

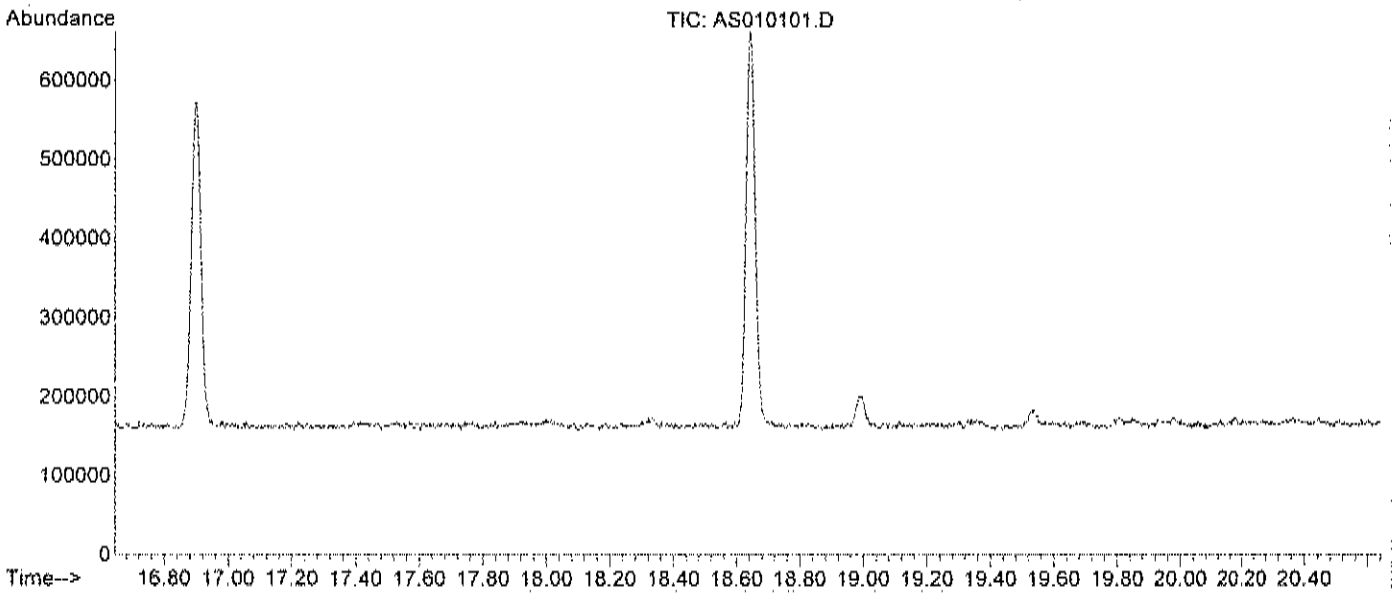
METHOD TO-15

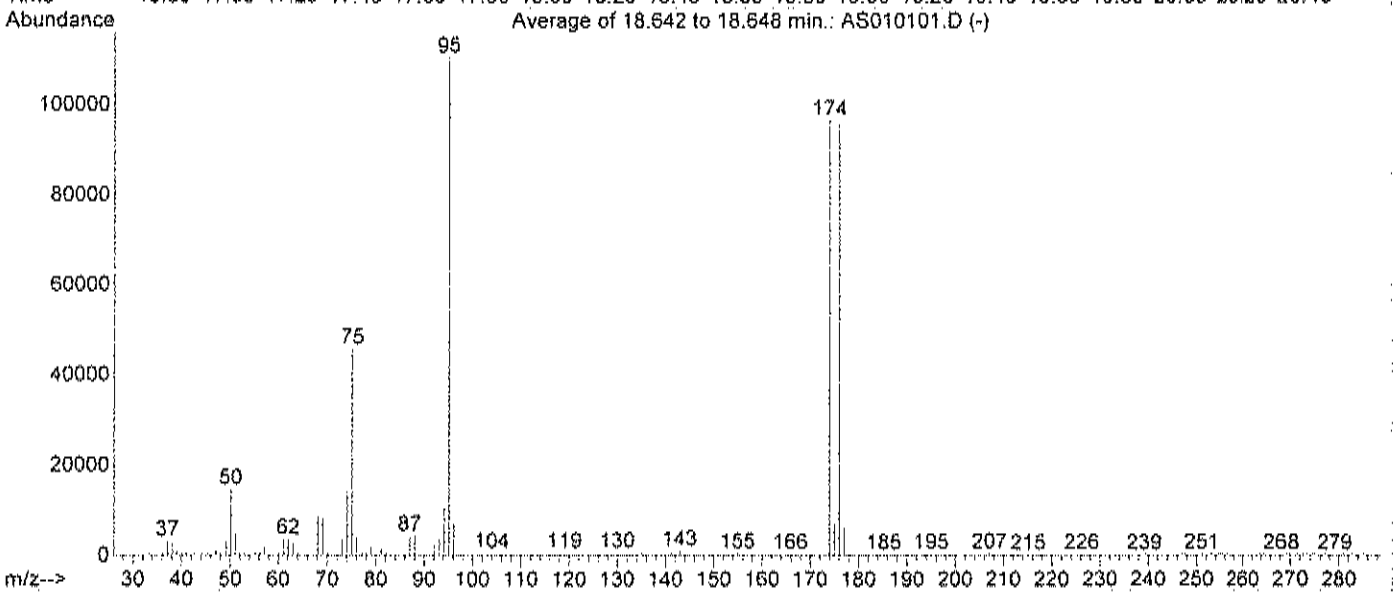
RAW DATA

BFB

Data File : C:\HPCHEM\1\DATA\AS010101.D
Acq On : 1 Jan 2021 5:01 pm
Sample : BFB1UG
Misc : A101_1UG
MS Integration Params: RTEINT.P
Method : C:\HPCHEM\1\METHODS\A101_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 18.642 to 18.648 min.

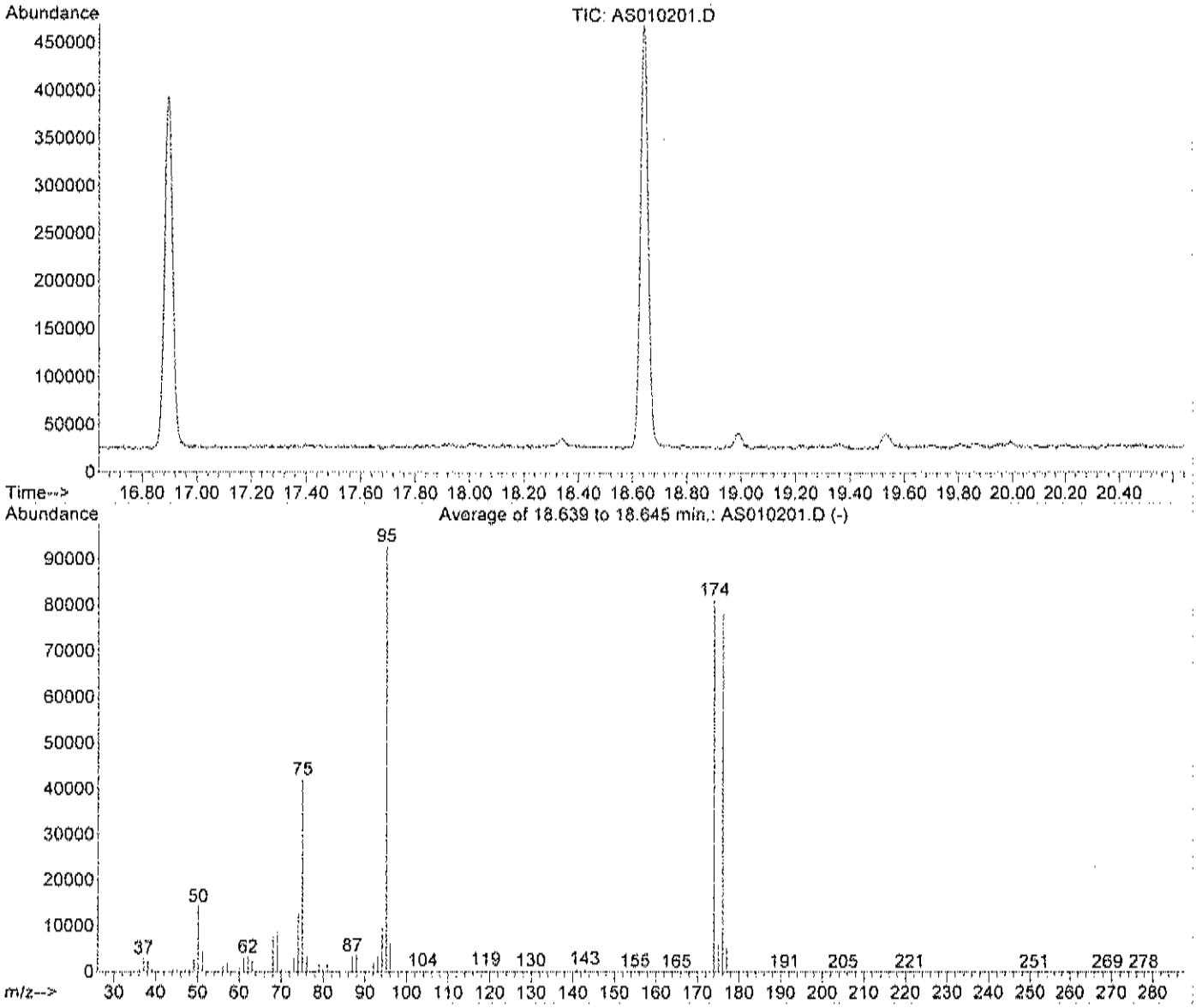
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	13.2	14519	PASS
75	95	30	66	41.4	45606	PASS
95	95	100	100	100.0	110264	PASS
96	95	5	9	6.4	7004	PASS
173	174	0.00	2	0.0	3	PASS
174	95	50	120	87.4	96364	PASS
175	174	4	9	7.3	6997	PASS
176	174	95	101	98.9	95326	PASS
177	176	5	9	6.4	6148	PASS

AS010101.D A101_1UG.M Tue Jan 12 09:51:36 2021 MSD1

BFB

Data File : C:\HPCHEM\1\DATA\AS010201.D
Acq On : 2 Jan 2021 11:06 am
Sample : BFB1UG
Misc : A101_1UG
MS Integration Params: RTEINT.P
Method : C:\HPCHEM\1\METHODS\A101_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 18.639 to 18.645 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	15.3	14228	PASS
75	95	30	66	45.4	42165	PASS
95	95	100	100	100.0	92952	PASS
96	95	5	9	6.8	6316	PASS
173	174	0.00	2	0.3	237	PASS
174	95	50	120	87.5	81288	PASS
175	174	4	9	7.4	5992	PASS
176	174	95	101	96.6	78490	PASS
177	176	5	9	6.7	5264	PASS

AS010201.D A101_1UG.M Tue Jan 12 09:49:18 2021 MSD1

GC/MS VOLATILES-WHOLE AIR

METHOD TO-15

RAW QC DATA

CENTEK LABORATORIES, LLC

Date: *12-Jan-21*

ANALYTICAL QC SUMMARY REPORT

CLIENT: LaBella Associates, P.C.
Work Order: C2012057
Project: 113-117 N Clinton SVI Heating Season

TestCode: 0.20_NYS

Sample ID: **AMB1UG-010220** SampType: **MBLK** TestCode: **0.20_NYS** Units: **ppbV** Prep Date: RunNo: **17128**
Client ID: **ZZZZZ** Batch ID: **R17128** TestNo: **TO-15** Analysis Date: **1/2/2021** SeqNo: **194598**

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: C2012057
Project: 113-117 N Clinton SVI Heating Season **TestCode: 0.20_NYS**

Sample ID: AMB1UG-010220	SampType: MBLK	TestCode: 0.20_NYS	Units: ppbV	Prep Date:	RunNo: 17128
Client ID: ZZZZZ	Batch ID: R17128	TestNo: TO-15		Analysis Date: 1/2/2021	SeqNo: 194598

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Carbon disulfide	< 0.15	0.15									
Carbon tetrachloride	< 0.030	0.030									
Chlorobenzene	< 0.15	0.15									
Chloroethane	< 0.15	0.15									
Chloroform	< 0.15	0.15									
Chloromethane	< 0.15	0.15									
cis-1,2-Dichloroethene	< 0.040	0.040									
cis-1,3-Dichloropropene	< 0.15	0.15									
Cyclohexane	< 0.15	0.15									
Dibromochloromethane	< 0.15	0.15									
Ethyl acetate	< 0.15	0.15									
Ethylbenzene	< 0.15	0.15									
Freon 11	< 0.15	0.15									
Freon 113	< 0.15	0.15									
Freon 114	< 0.15	0.15									
Freon 12	< 0.15	0.15									
Heptane	< 0.15	0.15									
Hexachloro-1,3-butadiene	< 0.15	0.15									
Hexane	< 0.15	0.15									
Isopropyl alcohol	< 0.15	0.15									
m&p-Xylene	< 0.30	0.30									
Methyl Butyl Ketone	< 0.30	0.30									
Methyl Ethyl Ketone	< 0.30	0.30									
Methyl Isobutyl Ketone	< 0.30	0.30									
Methyl tert-butyl ether	< 0.15	0.15									
Methylene chloride	< 0.15	0.15									
o-Xylene	< 0.15	0.15									
Propylene	< 0.15	0.15									
Styrene	< 0.15	0.15									
Tetrachloroethylene	< 0.15	0.15									
Tetrahydrofuran	< 0.15	0.15									

Qualifiers:

.	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

CLIENT: LaBella Associates, P.C.
Work Order: C2012057
Project: 113-117 N Clinton SVI Heating Season **TestCode: 0.20_NYS**

Sample ID: AMB1UG-010220	SampType: MBLK	TestCode: 0.20_NYS	Units: ppbV	Prep Date:	RunNo: 17128
Client ID: ZZZZZ	Batch ID: R17128	TestNo: TO-15		Analysis Date: 1/2/2021	SeqNo: 194598

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									

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

Centek Laboratories, LLC

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AS010204.D Vial: 4
Acq On : 2 Jan 2021 1:16 pm Operator: RJP
Sample : AMB1UG-010220 Inst : MSD #1
Misc : A101_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jan 03 09:30:29 2021 Quant Results File: A101_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A101_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Sat Jan 02 10:49:46 2021
Response via : Initial Calibration
DataAcq Meth : 1UG_ENT

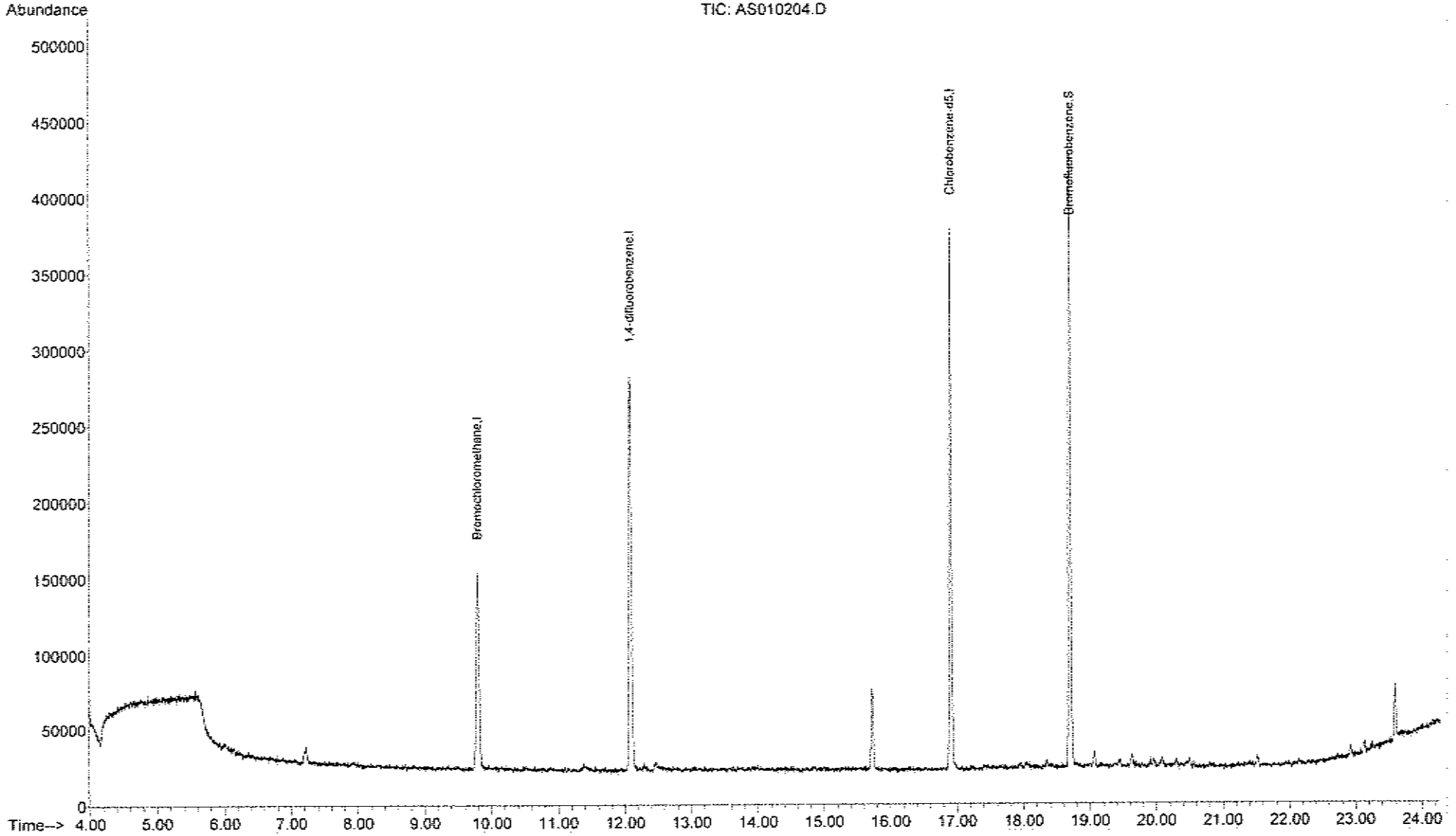
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	9.79	128	60370	1.00	ppb	0.01
35) 1,4-difluorobenzene	12.09	114	305757	1.00	ppb	0.00
50) Chlorobenzene-d5	16.90	117	268408	1.00	ppb	0.00
System Monitoring Compounds						
65) Bromofluorobenzene	18.70	95	192334	0.97	ppb	0.00
Spiked Amount 1.000	Range 70 - 130		Recovery = 97.00%			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AS010204.D Vial: 4
Acq On : 2 Jan 2021 1:16 pm Operator: RJP
Sample : AMB1UG-010220 Inst : MSD #1
Misc : A101_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jan 3 9:30 2021 Quant Results File: A101_1UG.RES

Method : C:\HPCHEM\1\METHODS\A101_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Tue Jan 12 09:46:09 2021
Response via : Initial Calibration



AS010204.D A101_1UG.M Tue Jan 12 09:48:38 2021 MSD1

Centek Laboratories, LLC

CENTEK LABORATORIES, LLC

Date: *12-Jan-21*

ANALYTICAL QC SUMMARY REPORT

CLIENT: LaBella Associates, P.C.
Work Order: C2012057
Project: 113-117 N Clinton SVI Heating Season

TestCode: 0.20_NYS

Sample ID: **ALCS1UG-010220** SampType: **LCS** TestCode: **0.20_NYS** Units: **ppbV** Prep Date: RunNo: **17128**
Client ID: **ZZZZZ** Batch ID: **R17128** TestNo: **TO-15** Analysis Date: **1/2/2021** SeqNo: **194599**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	1.010	0.15	1	0	101	91.3	127				
1,1,2,2-Tetrachloroethane	1.050	0.15	1	0	105	78.7	121				
1,1,2-Trichloroethane	1.010	0.15	1	0	101	88.1	136				
1,1-Dichloroethane	1.040	0.15	1	0	104	86.1	123				
1,1-Dichloroethene	1.000	0.040	1	0	100	70	94				S
1,2,4-Trichlorobenzene	1.050	0.15	1	0	105	76.7	112				
1,2,4-Trimethylbenzene	1.020	0.15	1	0	102	74.3	123				
1,2-Dibromoethane	1.050	0.15	1	0	105	80.4	125				
1,2-Dichlorobenzene	1.060	0.15	1	0	106	79.5	143				
1,2-Dichloroethane	1.050	0.15	1	0	105	70.9	133				
1,2-Dichloropropane	1.030	0.15	1	0	103	91	134				
1,3,5-Trimethylbenzene	1.040	0.15	1	0	104	77.4	138				
1,3-butadiene	0.9600	0.15	1	0	96.0	71	144				
1,3-Dichlorobenzene	1.050	0.15	1	0	105	84.7	128				
1,4-Dichlorobenzene	1.060	0.15	1	0	106	77.9	131				
1,4-Dioxane	1.010	0.30	1	0	101	85.1	135				
2,2,4-trimethylpentane	1.030	0.15	1	0	103	86.9	126				
4-ethyltoluene	1.050	0.15	1	0	105	77.5	133				
Acetone	0.9800	0.30	1	0	98.0	80.2	145				
Allyl chloride	1.000	0.15	1	0	100	86.6	117				
Benzene	1.030	0.15	1	0	103	88.9	122				
Benzyl chloride	1.010	0.15	1	0	101	73.6	120				
Bromodichloromethane	1.020	0.15	1	0	102	84.3	133				
Bromoform	0.9500	0.15	1	0	95.0	44.6	149				
Bromomethane	1.070	0.15	1	0	107	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: C2012057
Project: 113-117 N Clinton SVI Heating Season **TestCode: 0.20_NYS**

Sample ID: ALCS1UG-010220	SampType: LCS	TestCode: 0.20_NYS	Units: ppbV	Prep Date:	RunNo: 17128
Client ID: ZZZZZ	Batch ID: R17128	TestNo: TO-15		Analysis Date: 1/2/2021	SeqNo: 194599

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Carbon disulfide	0.9600	0.15	1	0	96.0	76.9	109				
Carbon tetrachloride	1.020	0.030	1	0	102	71	120				
Chlorobenzene	1.050	0.15	1	0	105	82.6	121				
Chloroethane	1.060	0.15	1	0	106	67.1	146				
Chloroform	1.030	0.15	1	0	103	82.5	125				
Chloromethane	1.060	0.15	1	0	106	71.1	154				
cis-1,2-Dichloroethene	1.030	0.040	1	0	103	71.2	112				
cis-1,3-Dichloropropene	1.010	0.15	1	0	101	90.3	137				
Cyclohexane	1.040	0.15	1	0	104	87	122				
Dibromochloromethane	1.010	0.15	1	0	101	62.8	132				
Ethyl acetate	1.020	0.15	1	0	102	86.9	134				
Ethylbenzene	1.050	0.15	1	0	105	76.9	123				
Freon 11	1.090	0.15	1	0	109	54.4	150				
Freon 113	1.040	0.15	1	0	104	83.4	124				
Freon 114	1.080	0.15	1	0	108	82.4	144				
Freon 12	1.100	0.15	1	0	110	86.3	135				
Heptane	1.020	0.15	1	0	102	86.5	137				
Hexachloro-1,3-butadiene	1.050	0.15	1	0	105	78.7	120				
Hexane	1.030	0.15	1	0	103	77.3	128				
Isopropyl alcohol	1.010	0.15	1	0	101	80.2	122				
m&p-Xylene	2.100	0.30	2	0	105	77.9	132				
Methyl Butyl Ketone	1.070	0.30	1	0	107	69.4	131				
Methyl Ethyl Ketone	1.020	0.30	1	0	102	71.5	117				
Methyl Isobutyl Ketone	1.060	0.30	1	0	106	63.5	141				
Methyl tert-butyl ether	1.030	0.15	1	0	103	80.8	113				
Methylene chloride	1.020	0.15	1	0	102	87.8	123				
o-Xylene	1.040	0.15	1	0	104	80.5	139				
Propylene	1.000	0.15	1	0	100	96.2	135				
Styrene	1.040	0.15	1	0	104	82.7	138				
Tetrachloroethylene	1.040	0.15	1	0	104	85.9	122				
Tetrahydrofuran	1.060	0.15	1	0	106	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

Centek Laboratories, LLC

CLIENT: LaBella Associates, P.C.
Work Order: C2012057
Project: 113-117 N Clinton SVI Heating Season

TestCode: 0.20_NYS

Sample ID: ALCS1UG-010220	SampType: LCS	TestCode: 0.20_NYS	Units: ppbV	Prep Date:	RunNo: 17128
Client ID: ZZZZZ	Batch ID: R17128	TestNo: TO-15		Analysis Date: 1/2/2021	SeqNo: 194599

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	1.030	0.15	1	0	103	77.8	127				
trans-1,2-Dichloroethene	1.030	0.15	1	0	103	83.3	116				
trans-1,3-Dichloropropene	1.010	0.15	1	0	101	84.8	134				
Trichloroethene	1.020	0.030	1	0	102	79.3	117				
Vinyl acetate	1.010	0.15	1	0	101	70.5	101				
Vinyl Bromide	1.040	0.15	1	0	104	81.4	142				
Vinyl chloride	1.040	0.040	1	0	104	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		

Centek Laboratories, LLC

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AS010203.D Vial: 3
Acq On : 2 Jan 2021 12:36 pm Operator: RJP
Sample : ALCS1UG-010220 Inst : MSD #1
Misc : A101_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jan 03 09:30:28 2021 Quant Results File: A101_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A101_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Sat Jan 02 10:49:46 2021
Response via : Initial Calibration
DataAcq Meth : 1UG_ENT

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	9.79	128	59268	1.00	ppb		0.00
35) 1,4-difluorobenzene	12.09	114	304550	1.00	ppb		0.00
50) Chlorobenzene-d5	16.90	117	271060	1.00	ppb		0.00
System Monitoring Compounds							
65) Bromofluorobenzene	18.70	95	199208	1.00	ppb		0.00
Spiked Amount 1.000	Range 70 - 130		Recovery = 100.00%				
Target Compounds							Qvalue
2) Propylene	4.15	41	48880	1.00	ppb		94
3) Freon 12	4.20	85	216419	1.10	ppb		98
4) Chloromethane	4.40	50	38316	1.06	ppb		99
5) Freon 114	4.40	85	136915	1.08	ppb		96
6) Vinyl Chloride	4.59	62	40314	1.04	ppb		98
7) Butane	4.69	43	35760	0.96	ppb		98
8) 1,3-butadiene	4.69	39	26697	0.96	ppb		97
9) Bromomethane	5.04	94	52814	1.07	ppb		99
10) Chloroethane	5.21	64	18589	1.06	ppb	#	79
11) Ethanol	5.30	45	6444	0.83	ppb	#	70
12) Acrolein	5.88	56	12252m	0.95	ppb		
13) Vinyl Bromide	5.55	106	53409	1.04	ppb		98
14) Freon 11	5.83	101	225855	1.09	ppb		98
15) Acetone	5.99	58	33016	0.98	ppb		85
16) Pentane	6.10	42	50803	0.91	ppb		99
17) Isopropyl alcohol	6.10	45	78018	1.01	ppb		100
18) 1,1-dichloroethene	6.59	96	84949	1.00	ppb		97
19) Freon 113	6.78	101	177541	1.04	ppb		98
20) t-Butyl alcohol	6.81	59	161947	1.05	ppb		95
21) Methylene chloride	7.05	84	75181	1.02	ppb		99
22) Allyl chloride	7.03	41	86335	1.00	ppb		97
23) Carbon disulfide	7.21	76	237545	0.96	ppb		98
24) trans-1,2-dichloroethene	7.98	61	110896	1.03	ppb		97
25) methyl tert-butyl ether	8.00	73	229762	1.03	ppb		100
26) 1,1-dichloroethane	8.41	63	145247	1.04	ppb		98
27) Vinyl acetate	8.39	43	65877	1.01	ppb		100
28) Methyl Ethyl Ketone	8.89	72	40661	1.02	ppb	#	100
29) cis-1,2-dichloroethene	9.34	61	111153	1.03	ppb		97
30) Hexane	8.95	57	130405	1.03	ppb		97
31) Ethyl acetate	9.49	43	228238	1.02	ppb		99
32) Chloroform	9.95	83	182192	1.03	ppb		100
33) Tetrahydrofuran	10.12	42	78765	1.06	ppb		95
34) 1,2-dichloroethane	11.07	62	107957	1.05	ppb		100
36) 1,1,1-trichloroethane	10.78	97	191056	1.01	ppb		98
37) Cyclohexane	11.49	56	125404	1.04	ppb		97
38) Carbon tetrachloride	11.43	117	182029	1.02	ppb		99
39) Benzene	11.39	78	266438	1.03	ppb		99
40) Methyl methacrylate	12.97	41	100547	1.01	ppb		99
41) 1,4-dioxane	12.99	88	64958	1.01	ppb		100
42) 2,2,4-trimethylpentane	12.26	57	383684	1.03	ppb		98
43) Heptane	12.61	43	138308	1.02	ppb		96
44) Trichloroethene	12.73	130	131820	1.02	ppb		99
45) 1,2-dichloropropane	12.84	63	99177	1.03	ppb		100

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AS010203.D Vial: 3
Acq On : 2 Jan 2021 12:36 pm Operator: RJP
Sample : ALCS1UG-010220 Inst : MSD #1
Misc : A101_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jan 03 09:30:28 2021 Quant Results File: A101_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A101_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Sat Jan 02 10:49:46 2021
Response via : Initial Calibration
DataAcq Meth : 1UG_ENT

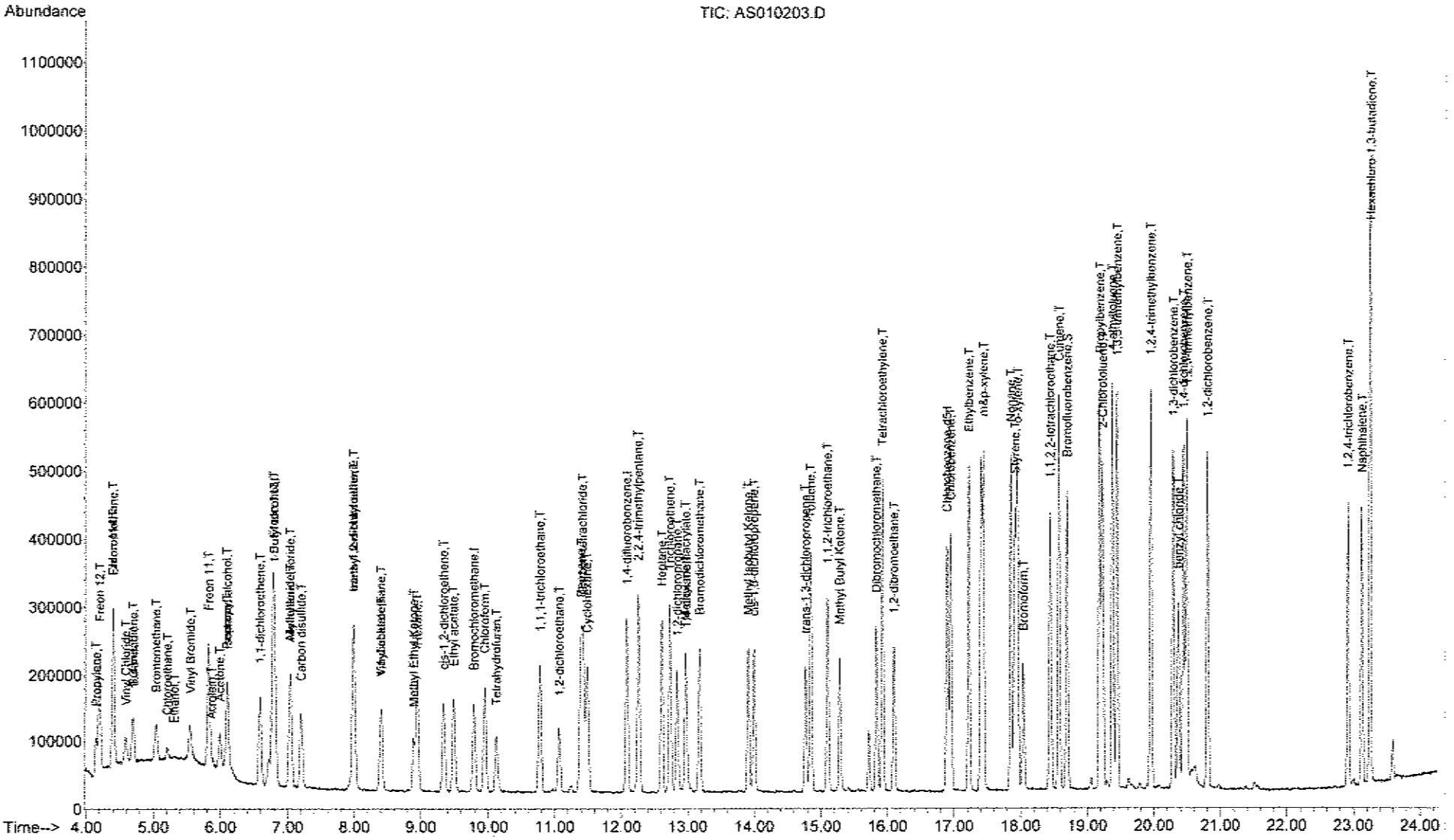
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46)	Bromodichloromethane	13.18	83	183057	1.02	ppb		99
47)	cis-1,3-dichloropropene	14.00	75	163345	1.01	ppb		98
48)	trans-1,3-dichloropropene	14.78	75	141039	1.01	ppb		98
49)	1,1,2-trichloroethane	15.10	97	117992	1.01	ppb		97
51)	Toluene	14.85	92	200801	1.03	ppb		99
52)	Methyl Isobutyl Ketone	13.92	43	180038	1.06	ppb		97
53)	Dibromochloromethane	15.83	129	176018	1.01	ppb		98
54)	Methyl Butyl Ketone	15.28	43	163546	1.07	ppb		95
55)	1,2-dibromoethane	16.10	107	188983	1.05	ppb		99
56)	Tetrachloroethylene	15.93	164	136735	1.04	ppb		98
57)	Chlorobenzene	16.95	112	279626	1.05	ppb		99
58)	Ethylbenzene	17.23	91	450043	1.05	ppb		100
59)	m&p-xylene	17.44	91	710697	2.10	ppb		99
60)	Nonane	17.85	43	203437	1.04	ppb		95
61)	Styrene	17.92	104	277619	1.04	ppb		98
62)	Bromoform	18.04	173	117611	0.95	ppb		99
63)	o-xylene	17.95	91	367352	1.04	ppb		99
64)	Cumene	18.58	105	504718	1.03	ppb		100
66)	1,1,2,2-tetrachloroethane	18.44	83	268235	1.05	ppb		98
67)	Propylbenzene	19.18	120	143809	1.04	ppb		90
68)	2-Chlorotoluene	19.23	126	130616	1.02	ppb	#	92
69)	4-ethyltoluene	19.37	105	501587	1.05	ppb		100
70)	1,3,5-trimethylbenzene	19.45	105	429545	1.04	ppb		77
71)	1,2,4-trimethylbenzene	19.95	105	429932	1.02	ppb		99
72)	1,3-dichlorobenzene	20.29	146	286417	1.05	ppb		99
73)	benzyl chloride	20.37	91	272379	1.01	ppb		98
74)	1,4-dichlorobenzene	20.44	146	282707	1.06	ppb		99
75)	1,2,3-trimethylbenzene	20.49	105	417582	1.04	ppb		99
76)	1,2-dichlorobenzene	20.80	146	272625	1.06	ppb		99
77)	1,2,4-trichlorobenzene	22.92	180	160652	1.05	ppb		99
78)	Naphthalene	23.12	128	389575	1.05	ppb		99
79)	Hexachloro-1,3-butadiene	23.25	225	202771	1.05	ppb		99

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AS010203.D Vial: 3
Acq On : 2 Jan 2021 12:36 pm Operator: RJP
Sample : ALCS1UG-010220 Inst : MSD #1
Misc : A101_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jan 7 10:37 2021 Quant Results File: A101_1UG.RES

Method : C:\HPCHEM\1\METHODS\A101_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Tue Jan 12 09:46:09 2021
Response via : Initial Calibration



Centek Laboratories, LLC

CENTEK LABORATORIES, LLC

Date: *12-Jan-21*

ANALYTICAL QC SUMMARY REPORT

CLIENT: LaBella Associates, P.C.
Work Order: C2012057
Project: 113-117 N Clinton SVI Heating Season

TestCode: 0.20_NYS

Sample ID: **C2012057-002A MS** SampType: **MS** TestCode: **0.20_NYS** Units: **ppbV** Prep Date: RunNo: **17128**
Client ID: **IA-02 (MS/MSD)** Batch ID: **R17128** TestNo: **TO-15** Analysis Date: **1/2/2021** SeqNo: **194604**

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	1.050	0.15	1	0	105	82.3	101				S
1,1,2-Trichloroethane	1.000	0.15	1	0	100	61	128				
1,1-Dichloroethane	1.030	0.15	1	0	103	76.5	118				
1,1-Dichloroethene	0.9700	0.040	1	0	97.0	45.8	128				
1,2,4-Trichlorobenzene	1.350	0.15	1	0	135	70	130				S
1,2,4-Trimethylbenzene	1.220	0.15	1	0.21	101	81.5	155				
1,2-Dibromoethane	1.060	0.15	1	0	106	78.7	107				
1,2-Dichlorobenzene	0.6800	0.15	1	0	68.0	57.2	175				
1,2-Dichloroethane	1.060	0.15	1	0	106	65.1	130				
1,2-Dichloropropane	1.030	0.15	1	0	103	69.9	116				
1,3,5-Trimethylbenzene	1.310	0.15	1	0.32	99.0	67.6	139				
1,3-butadiene	23.07	0.15	1	0	2310	70	130				S
1,3-Dichlorobenzene	1.050	0.15	1	0	105	89.1	122				
1,4-Dichlorobenzene	1.110	0.15	1	0	111	86.8	114				
1,4-Dioxane	1.040	0.30	1	0	104	75.1	114				
2,2,4-trimethylpentane	1.090	0.15	1	0	109	84.2	113				
4-ethyltoluene	1.190	0.15	1	0	119	70	130				
Acetone	10.81	0.30	1	9.96	85.0	70	130				
Allyl chloride	1.010	0.15	1	0	101	70	130				
Benzene	1.260	0.15	1	0.23	103	72.7	133				
Benzyl chloride	1.050	0.15	1	0	105	72.5	129				
Bromodichloromethane	1.040	0.15	1	0	104	69.4	112				
Bromoform	0.9200	0.15	1	0	92.0	42.5	110				
Bromomethane	1.040	0.15	1	0	104	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: C2012057
Project: 113-117 N Clinton SVI Heating Season

TestCode: 0.20_NYS

Sample ID: C2012057-002A MS	SampType: MS	TestCode: 0.20_NYS	Units: ppbV	Prep Date:	RunNo: 17128
Client ID: IA-02 (MS/MSD)	Batch ID: R17128	TestNo: TO-15		Analysis Date: 1/2/2021	SeqNo: 194604

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	1.090	0.030	1	0.08	101	61	107				
Chlorobenzene	1.030	0.15	1	0	103	76.1	111				
Chloroethane	1.070	0.15	1	0	107	62.6	119				
Chloroform	1.400	0.15	1	0.4	100	6.54	173				
Chloromethane	1.640	0.15	1	0	164	54.4	125				S
cis-1,2-Dichloroethene	1.030	0.040	1	0	103	60.1	121				
cis-1,3-Dichloropropene	1.020	0.15	1	0	102	60.8	122				
Cyclohexane	1.060	0.15	1	0	106	59.4	148				
Dibromochloromethane	1.000	0.15	1	0	100	71.6	102				
Ethyl acetate	1.330	0.15	1	0.34	99.0	49.3	146				
Ethylbenzene	1.140	0.15	1	0.11	103	68.5	129				
Freon 11	1.340	0.15	1	0.24	110	44.8	143				
Freon 113	1.080	0.15	1	0	108	80.3	125				
Freon 114	1.230	0.15	1	0	123	65.2	132				
Freon 12	1.540	0.15	1	0.45	109	67.4	103				S
Heptane	1.260	0.15	1	0.23	103	80.8	124				
Hexachloro-1,3-butadiene	1.050	0.15	1	0	105	81.9	119				
Hexane	1.150	0.15	1	0.21	94.0	73.7	147				
Isopropyl alcohol	8.760	0.15	1	7.2	156	70	130				S
m&p-Xylene	2.410	0.30	2	0.38	102	74.2	123				
Methyl Butyl Ketone	1.170	0.30	1	0	117	72.6	117				
Methyl Ethyl Ketone	2.540	0.30	1	1.52	102	59.4	135				
Methyl Isobutyl Ketone	1.220	0.30	1	0.17	105	61	120				
Methyl tert-butyl ether	0.9900	0.15	1	0	99.0	63.6	134				
Methylene chloride	1.580	0.15	1	0.68	90.0	53.4	125				
o-Xylene	1.160	0.15	1	0.14	102	74.3	132				
Propylene	14.79	0.15	1	0	1480	70	130				S
Styrene	1.230	0.15	1	0.21	102	82.4	118				
Tetrachloroethylene	4.490	0.15	1	3.63	86.0	86.2	112				S
Tetrahydrofuran	1.430	0.15	1	0.46	97.0	70	130				

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

CLIENT: LaBella Associates, P.C.
Work Order: C2012057
Project: 113-117 N Clinton SVI Heating Season

TestCode: 0.20_NYS

Sample ID: **C2012057-002A MS** SampType: **MS** TestCode: **0.20_NYS** Units: **ppbV** Prep Date: RunNo: **17128**
Client ID: **IA-02 (MS/MSD)** Batch ID: **R17128** TestNo: **TO-15** Analysis Date: **1/2/2021** SeqNo: **194604**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	2.090	0.15	1	1.13	96.0	70	130				
trans-1,2-Dichloroethene	1.290	0.15	1	0	129	70.9	132				
trans-1,3-Dichloropropene	1.020	0.15	1	0	102	51.9	133				
Trichloroethene	1.100	0.030	1	0.11	99.0	63.1	109				
Vinyl acetate	1.040	0.15	1	0	104	17.3	187				
Vinyl Bromide	1.440	0.15	1	0	144	71.3	121				S
Vinyl chloride	1.010	0.040	1	0	101	63.2	114				

Sample ID: **C2012057-002A MS** SampType: **MSD** TestCode: **0.20_NYS** Units: **ppbV** Prep Date: RunNo: **17128**
Client ID: **IA-02 (MS/MSD)** Batch ID: **R17128** TestNo: **TO-15** Analysis Date: **1/2/2021** SeqNo: **194605**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	1.010	0.15	1	0	101	68.1	117	1.02	0.985	0	
1,1,2,2-Tetrachloroethane	1.040	0.15	1	0	104	82.3	101	1.05	0.957	0	S
1,1,2-Trichloroethane	1.010	0.15	1	0	101	61	128	1	0.995	0	
1,1-Dichloroethane	1.020	0.15	1	0	102	76.5	118	1.03	0.976	0	
1,1-Dichloroethene	0.9100	0.040	1	0	91.0	45.8	128	0.97	6.38	0	
1,2,4-Trichlorobenzene	1.360	0.15	1	0	136	30.3	262	1.35	0.738	0	
1,2,4-Trimethylbenzene	1.190	0.15	1	0.21	98.0	81.5	155	1.22	2.49	0	
1,2-Dibromoethane	1.060	0.15	1	0	106	78.7	107	1.06	0	0	
1,2-Dichlorobenzene	0.5700	0.15	1	0	57.0	57.2	175	0.68	17.6	0	S
1,2-Dichloroethane	1.050	0.15	1	0	105	65.1	130	1.06	0.948	0	
1,2-Dichloropropane	1.030	0.15	1	0	103	69.9	116	1.03	0	0	
1,3,5-Trimethylbenzene	1.340	0.15	1	0.32	102	67.6	139	1.31	2.26	0	
1,3-butadiene	21.63	0.15	1	0	2160	70	404	23.07	6.44	0	S
1,3-Dichlorobenzene	1.060	0.15	1	0	106	89.1	122	1.05	0.948	0	
1,4-Dichlorobenzene	1.110	0.15	1	0	111	86.8	114	1.11	0	0	
1,4-Dioxane	1.020	0.30	1	0	102	75.1	114	1.04	1.94	0	
2,2,4-trimethylpentane	1.080	0.15	1	0	108	84.2	113	1.09	0.922	0	
4-ethyltoluene	1.170	0.15	1	0	117	70	130	1.19	1.69	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

Centek Laboratories, LLC

CLIENT: LaBella Associates, P.C.
Work Order: C2012057
Project: 113-117 N Clinton SVI Heating Season

TestCode: 0.20_NYS

Sample ID: **C2012057-002A MS** SampType: **MSD** TestCode: **0.20_NYS** Units: **ppbV** Prep Date: RunNo: **17128**
Client ID: **IA-02 (MS/MSD)** Batch ID: **R17128** TestNo: **TO-15** Analysis Date: **1/2/2021** SeqNo: **194605**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acetone	10.67	0.30	1	9.96	71.0	70	130	10.81	1.30	0	
Allyl chloride	1.010	0.15	1	0	101	49.7	155	1.01	0	0	
Benzene	1.250	0.15	1	0.23	102	72.7	133	1.26	0.797	0	
Benzyl chloride	1.060	0.15	1	0	106	72.5	129	1.05	0.948	0	
Bromodichloromethane	1.020	0.15	1	0	102	69.4	112	1.04	1.94	0	
Bromoform	0.9200	0.15	1	0	92.0	42.5	110	0.92	0	0	
Bromomethane	1.050	0.15	1	0	105	68.6	121	1.04	0.957	0	
Carbon disulfide	1.030	0.15	1	0	103	70	130	0.98	4.98	0	
Carbon tetrachloride	1.070	0.030	1	0.08	99.0	61	107	1.09	1.85	0	
Chlorobenzene	1.020	0.15	1	0	102	76.1	111	1.03	0.976	0	
Chloroethane	1.050	0.15	1	0	105	62.6	119	1.07	1.89	0	
Chloroform	1.400	0.15	1	0.4	100	6.54	173	1.4	0	0	
Chloromethane	1.400	0.15	1	0	140	54.4	125	1.64	15.8	0	S
cis-1,2-Dichloroethene	1.050	0.040	1	0	105	60.1	121	1.03	1.92	0	
cis-1,3-Dichloropropene	1.010	0.15	1	0	101	60.8	122	1.02	0.985	0	
Cyclohexane	1.100	0.15	1	0	110	59.4	148	1.06	3.70	0	
Dibromochloromethane	0.9900	0.15	1	0	99.0	71.6	102	1	1.01	0	
Ethyl acetate	1.320	0.15	1	0.34	98.0	49.3	146	1.33	0.755	0	
Ethylbenzene	1.110	0.15	1	0.11	100	68.5	129	1.14	2.67	0	
Freon 11	1.310	0.15	1	0.24	107	44.8	143	1.34	2.26	0	
Freon 113	1.090	0.15	1	0	109	80.3	125	1.08	0.922	0	
Freon 114	1.190	0.15	1	0	119	65.2	132	1.23	3.31	0	
Freon 12	1.510	0.15	1	0.45	106	67.4	103	1.54	1.97	0	S
Heptane	1.210	0.15	1	0.23	98.0	80.8	124	1.26	4.05	0	
Hexachloro-1,3-butadiene	1.040	0.15	1	0	104	81.9	119	1.05	0.957	0	
Hexane	1.110	0.15	1	0.21	90.0	73.7	147	1.15	3.54	0	
Isopropyl alcohol	8.090	0.15	1	7.2	89.0	70	130	8.76	7.95	0	
m&p-Xylene	2.380	0.30	2	0.38	100	74.2	123	2.41	1.25	0	
Methyl Butyl Ketone	1.170	0.30	1	0	117	72.6	117	1.17	0	0	
Methyl Ethyl Ketone	2.390	0.30	1	1.52	87.0	59.4	135	2.54	6.09	0	
Methyl Isobutyl Ketone	1.180	0.30	1	0.17	101	61	120	1.22	3.33	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

Centek Laboratories, LLC

CLIENT: LaBella Associates, P.C.
Work Order: C2012057
Project: 113-117 N Clinton SVI Heating Season

TestCode: 0.20_NYS

Sample ID: C2012057-002A MS	SampType: MSD	TestCode: 0.20_NYS	Units: ppbV	Prep Date:	RunNo: 17128
Client ID: IA-02 (MS/MSD)	Batch ID: R17128	TestNo: TO-15		Analysis Date: 1/2/2021	SeqNo: 194605

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether	1.000	0.15	1	0	100	63.6	134	0.99	1.01	0	
Methylene chloride	1.610	0.15	1	0.68	93.0	53.4	125	1.58	1.88	0	
o-Xylene	1.130	0.15	1	0.14	99.0	74.3	132	1.16	2.62	0	
Propylene	14.04	0.15	1	0	1400	70	130	14.79	5.20	0	S
Styrene	1.210	0.15	1	0.21	100	82.4	118	1.23	1.64	0	
Tetrachloroethylene	4.180	0.15	1	3.63	55.0	86.2	112	4.49	7.15	0	S
Tetrahydrofuran	1.400	0.15	1	0.46	94.0	70	130	1.43	2.12	0	
Toluene	1.970	0.15	1	1.13	84.0	70	130	2.09	5.91	0	
trans-1,2-Dichloroethene	1.020	0.15	1	0	102	70.9	132	1.29	23.4	0	
trans-1,3-Dichloropropene	1.030	0.15	1	0	103	51.9	133	1.02	0.976	0	
Trichloroethene	1.090	0.030	1	0.11	98.0	63.1	109	1.1	0.913	0	
Vinyl acetate	1.070	0.15	1	0	107	70	130	1.04	2.84	0	
Vinyl Bromide	1.410	0.15	1	0	141	70	130	1.44	2.11	0	S
Vinyl chloride	1.000	0.040	1	0	100	63.2	114	1.01	0.995	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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AS010207.D Vial: 7
Acq On : 2 Jan 2021 3:36 pm Operator: RJP
Sample : C2012057-002A MS Inst : MSD #1
Misc : A101_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jan 03 09:30:32 2021 Quant Results File: A101_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A101_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Sat Jan 02 10:49:46 2021
Response via : Initial Calibration
DataAcq Meth : 1UG_ENT

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	9.79	128	59543	1.00	ppb		0.01
35) 1,4-difluorobenzene	12.09	114	301562	1.00	ppb		0.00
50) Chlorobenzene-d5	16.90	117	267945	1.00	ppb		0.00
System Monitoring Compounds							
65) Bromofluorobenzene	18.69	95	200392	1.01	ppb		0.00
Spiked Amount 1.000	Range 70 - 130		Recovery = 101.00%				
Target Compounds							Qvalue
2) Propylene	4.16	41	728286	14.79	ppb	#	46
3) Freon 12	4.20	85	303079	1.54	ppb		97
4) Chloromethane	4.40	50	59228m	1.64	ppb		
5) Freon 114	4.41	85	156549	1.23	ppb		100
6) Vinyl Chloride	4.60	62	39301	1.01	ppb		99
7) Butane	4.70	43	3483883	93.21	ppb		95
8) 1,3-butadiene	4.70	39	647097	23.07	ppb	#	12
9) Bromomethane	5.05	94	51702	1.04	ppb		96
10) Chloroethane	5.22	64	18963	1.07	ppb		100
11) Ethanol	5.30	45	1739867	223.06	ppb	#	63
12) Acrolein	5.89	56	34453	2.65	ppb		87
13) Vinyl Bromide	5.56	106	74174	1.44	ppb		97
14) Freon 11	5.84	101	279211	1.34	ppb		99
15) Acetone	5.99	58	366099m	10.81	ppb		
16) Pentane	6.11	42	218878	3.90	ppb	#	15
17) Isopropyl alcohol	6.10	45	677823	8.76	ppb	#	1
18) 1,1-dichloroethene	6.59	96	82369	0.97	ppb		97
19) Freon 113	6.79	101	185319	1.08	ppb		99
20) t-Butyl alcohol	6.81	59	178115	1.15	ppb	#	80
21) Methylene chloride	7.05	84	117259	1.58	ppb		100
22) Allyl chloride	7.03	41	88091	1.01	ppb		99
23) Carbon disulfide	7.21	76	244642	0.98	ppb		95
24) trans-1,2-dichloroethene	7.98	61	139157	1.29	ppb		81
25) methyl tert-butyl ether	8.00	73	222785	0.99	ppb		80
26) 1,1-dichloroethane	8.42	63	144099	1.03	ppb		97
27) Vinyl acetate	8.39	43	68140	1.04	ppb		99
28) Methyl Ethyl Ketone	8.89	72	101109	2.54	ppb	#	100
29) cis-1,2-dichloroethene	9.34	61	111249	1.03	ppb		97
30) Hexane	8.95	57	145412m	1.15	ppb		
31) Ethyl acetate	9.49	43	298584	1.33	ppb		99
32) Chloroform	9.95	83	249211	1.40	ppb		99
33) Tetrahydrofuran	10.12	42	107155	1.43	ppb		98
34) 1,2-dichloroethane	11.07	62	109315	1.06	ppb		100
36) 1,1,1-trichloroethane	10.78	97	190272	1.02	ppb		100
37) Cyclohexane	11.49	56	126135	1.06	ppb	#	81
38) Carbon tetrachloride	11.43	117	191833	1.09	ppb		99
39) Benzene	11.39	78	323383	1.26	ppb		100
40) Methyl methacrylate	12.97	41	103063	1.04	ppb		97
41) 1,4-dioxane	12.99	88	66056	1.04	ppb		99
42) 2,2,4-trimethylpentane	12.26	57	399962	1.09	ppb		96
43) Heptane	12.61	43	167978	1.26	ppb		94
44) Trichloroethene	12.74	130	140121	1.10	ppb		99
45) 1,2-dichloropropane	12.84	63	97611	1.03	ppb		99

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AS010207.D Vial: 7
Acq On : 2 Jan 2021 3:36 pm Operator: RJP
Sample : C2012057-002A MS Inst : MSD #1
Misc : A101_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jan 03 09:30:32 2021 Quant Results File: A101_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A101_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Sat Jan 02 10:49:46 2021
Response via : Initial Calibration
DataAcq Meth : 1UG_ENT

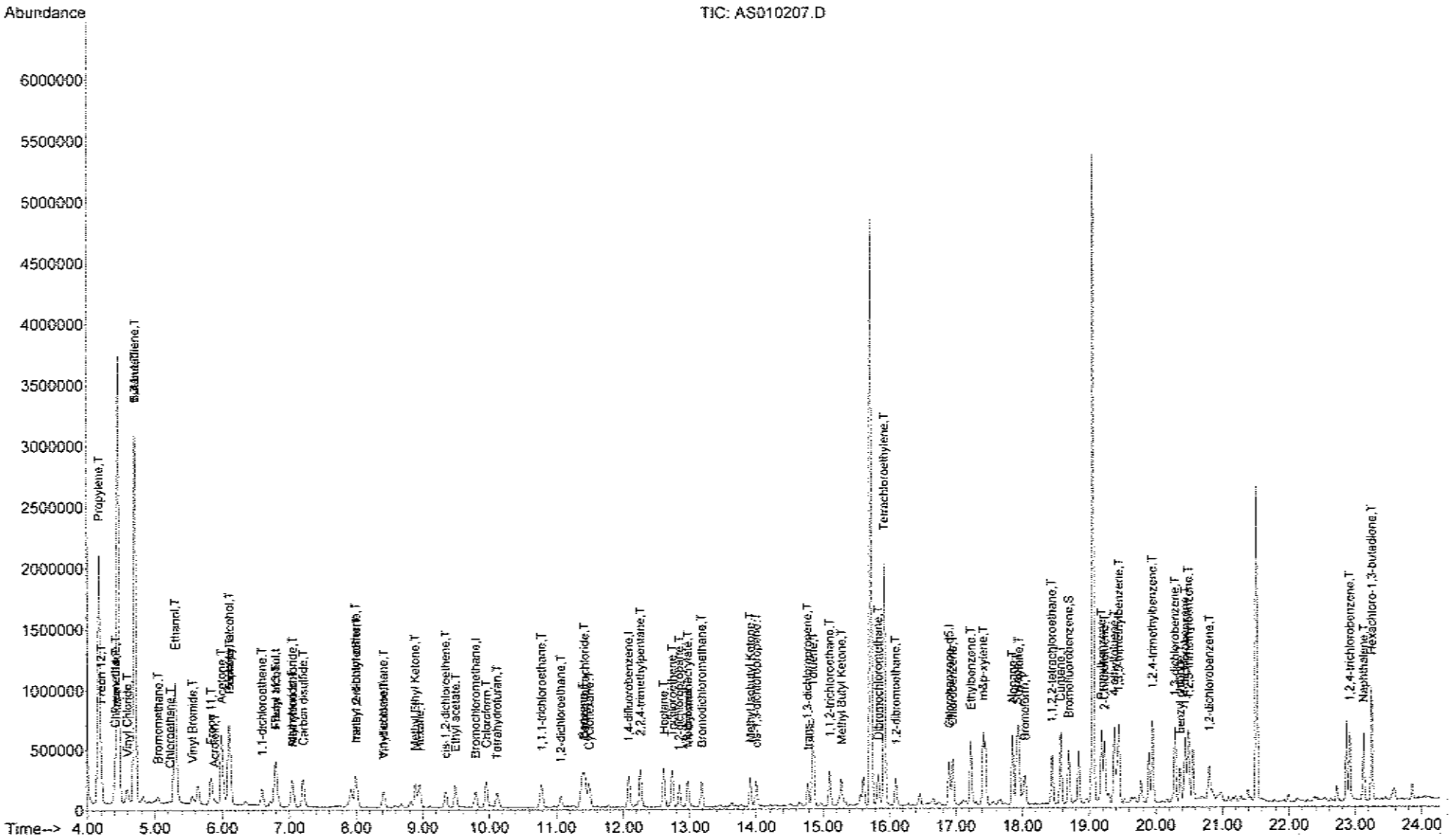
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46)	Bromodichloromethane	13.18	83	185338	1.04	ppb		98
47)	cis-1,3-dichloropropene	14.00	75	162947	1.02	ppb		97
48)	trans-1,3-dichloropropene	14.78	75	140636	1.02	ppb		99
49)	1,1,2-trichloroethane	15.10	97	116568	1.00	ppb		99
51)	Toluene	14.86	92	400571	2.09	ppb		98
52)	Methyl Isobutyl Ketone	13.91	43	206170	1.22	ppb		94
53)	Dibromochloromethane	15.84	129	171217	1.00	ppb		100
54)	Methyl Butyl Ketone	15.28	43	177360	1.17	ppb		95
55)	1,2-dibromoethane	16.10	107	187999	1.06	ppb		100
56)	Tetrachloroethylene	15.93	164	583852	4.49	ppb		98
57)	Chlorobenzene	16.96	112	271002	1.03	ppb		100
58)	Ethylbenzene	17.23	91	484437	1.14	ppb		100
59)	m&p-xylene	17.41	91	807020	2.41	ppb		100
60)	Nonane	17.85	43	232578	1.20	ppb		93
61)	Styrene	17.92	104	324936	1.23	ppb		99
62)	Bromoform	18.04	173	113434	0.92	ppb		99
63)	o-xylene	17.95	91	405184	1.16	ppb		100
64)	Cumene	18.57	105	497808	1.03	ppb		100
66)	1,1,2,2-tetrachloroethane	18.44	83	264593	1.05	ppb		98
67)	Propylbenzene	19.18	120	145413	1.06	ppb		87
68)	2-Chlorotoluene	19.23	126	130904	1.04	ppb	#	88
69)	4-ethyltoluene	19.37	105	565744m	1.19	ppb		
70)	1,3,5-trimethylbenzene	19.44	105	537656m	1.31	ppb		
71)	1,2,4-trimethylbenzene	19.95	105	509419	1.22	ppb		99
72)	1,3-dichlorobenzene	20.29	146	283631	1.05	ppb		98
73)	benzyl chloride	20.36	91	279840	1.05	ppb		98
74)	1,4-dichlorobenzene	20.44	146	293019	1.11	ppb		99
75)	1,2,3-trimethylbenzene	20.49	105	453103	1.14	ppb		99
76)	1,2-dichlorobenzene	20.80	146	172862	0.68	ppb		98
77)	1,2,4-trichlorobenzene	22.92	180	203913	1.35	ppb		99
78)	Naphthalene	23.12	128	509583	1.39	ppb		99
79)	Hexachloro-1,3-butadiene	23.25	225	201030	1.05	ppb		99

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AS010207.D Vial: 7
Acq On : 2 Jan 2021 3:36 pm Operator: RJP
Sample : C2012057-002A MS Inst : MSD #1
Misc : A101_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jan 7 10:43 2021 Quant Results File: A101_1UG.RES

Method : C:\HPCHEM\1\METHODS\A101_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Tue Jan 12 09:46:09 2021
Response via : Initial Calibration



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Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AS010208.D Vial: 8
Acq On : 2 Jan 2021 4:56 pm Operator: RJP
Sample : C2012057-002A MSD Inst : MSD #1
Misc : A101_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jan 03 09:30:33 2021 Quant Results File: A101_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A101_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Sat Jan 02 10:49:46 2021
Response via : Initial Calibration
DataAcq Meth : 1UG_ENT

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	9.79	128	59273	1.00	ppb		0.00
35) 1,4-difluorobenzene	12.09	114	301390	1.00	ppb		0.00
50) Chlorobenzene-d5	16.90	117	270945	1.00	ppb		0.00
System Monitoring Compounds							
65) Bromofluorobenzene	18.69	95	202634	1.01	ppb		0.00
Spiked Amount 1.000	Range 70 - 130		Recovery = 101.00%				
Target Compounds							Qvalue
2) Propylene	4.16	41	688231	14.04	ppb	#	46
3) Freon 12	4.20	85	296504	1.51	ppb		98
4) Chloromethane	4.39	50	50280m	1.40	ppb		
5) Freon 114	4.40	85	149995	1.19	ppb		100
6) Vinyl Chloride	4.59	62	38946	1.00	ppb		98
7) Butane	4.70	43	3225645	86.70	ppb		95
8) 1,3-butadiene	4.70	39	603994	21.63	ppb	#	12
9) Bromomethane	5.04	94	51928	1.05	ppb		94
10) Chloroethane	5.22	64	18419	1.05	ppb		92
11) Ethanol	5.30	45	1548027	199.37	ppb	#	63
12) Acrolein	5.89	56	29523	2.28	ppb		95
13) Vinyl Bromide	5.55	106	72008	1.41	ppb		100
14) Freon 11	5.83	101	272130	1.31	ppb		98
15) Acetone	5.98	58	359730	10.67	ppb	#	19
16) Pentane	6.10	42	198878	3.56	ppb	#	16
17) Isopropyl alcohol	6.09	45	623159	8.09	ppb	#	1
18) 1,1-dichloroethene	6.58	96	77099	0.91	ppb		98
19) Freon 113	6.78	101	186995	1.09	ppb		97
20) t-Butyl alcohol	6.80	59	180525	1.18	ppb	#	82
21) Methylene chloride	7.05	84	118863	1.61	ppb		96
22) Allyl chloride	7.03	41	87631	1.01	ppb		99
23) Carbon disulfide	7.20	76	254274	1.03	ppb		91
24) trans-1,2-dichloroethene	7.98	61	109567	1.02	ppb		99
25) methyl tert-butyl ether	8.00	73	224194	1.00	ppb		82
26) 1,1-dichloroethane	8.41	63	141591	1.02	ppb		99
27) Vinyl acetate	8.39	43	69926	1.07	ppb		98
28) Methyl Ethyl Ketone	8.89	72	95014	2.39	ppb	#	100
29) cis-1,2-dichloroethene	9.34	61	113313	1.05	ppb		98
30) Hexane	8.95	57	140562m	1.11	ppb		
31) Ethyl acetate	9.49	43	294508	1.32	ppb		99
32) Chloroform	9.95	83	247182	1.40	ppb		99
33) Tetrahydrofuran	10.11	42	104426	1.40	ppb		96
34) 1,2-dichloroethane	11.07	62	108405	1.05	ppb		99
36) 1,1,1-trichloroethane	10.78	97	188832	1.01	ppb		100
37) Cyclohexane	11.49	56	131356m	1.10	ppb		
38) Carbon tetrachloride	11.43	117	189267	1.07	ppb		99
39) Benzene	11.39	78	318919	1.25	ppb		99
40) Methyl methacrylate	12.97	41	102698	1.04	ppb		97
41) 1,4-dioxane	12.98	88	65063	1.02	ppb		97
42) 2,2,4-trimethylpentane	12.26	57	396048	1.08	ppb		97
43) Heptane	12.61	43	162093	1.21	ppb		96
44) Trichloroethene	12.74	130	139678	1.09	ppb		99
45) 1,2-dichloropropane	12.84	63	97913	1.03	ppb		99

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AS010208.D Vial: 8
Acq On : 2 Jan 2021 4:56 pm Operator: RJP
Sample : C2012057-002A MSD Inst : MSD #1
Misc : A101_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jan 03 09:30:33 2021 Quant Results File: A101_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A101_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Sat Jan 02 10:49:46 2021
Response via : Initial Calibration
DataAcq Meth : 1UG_ENT

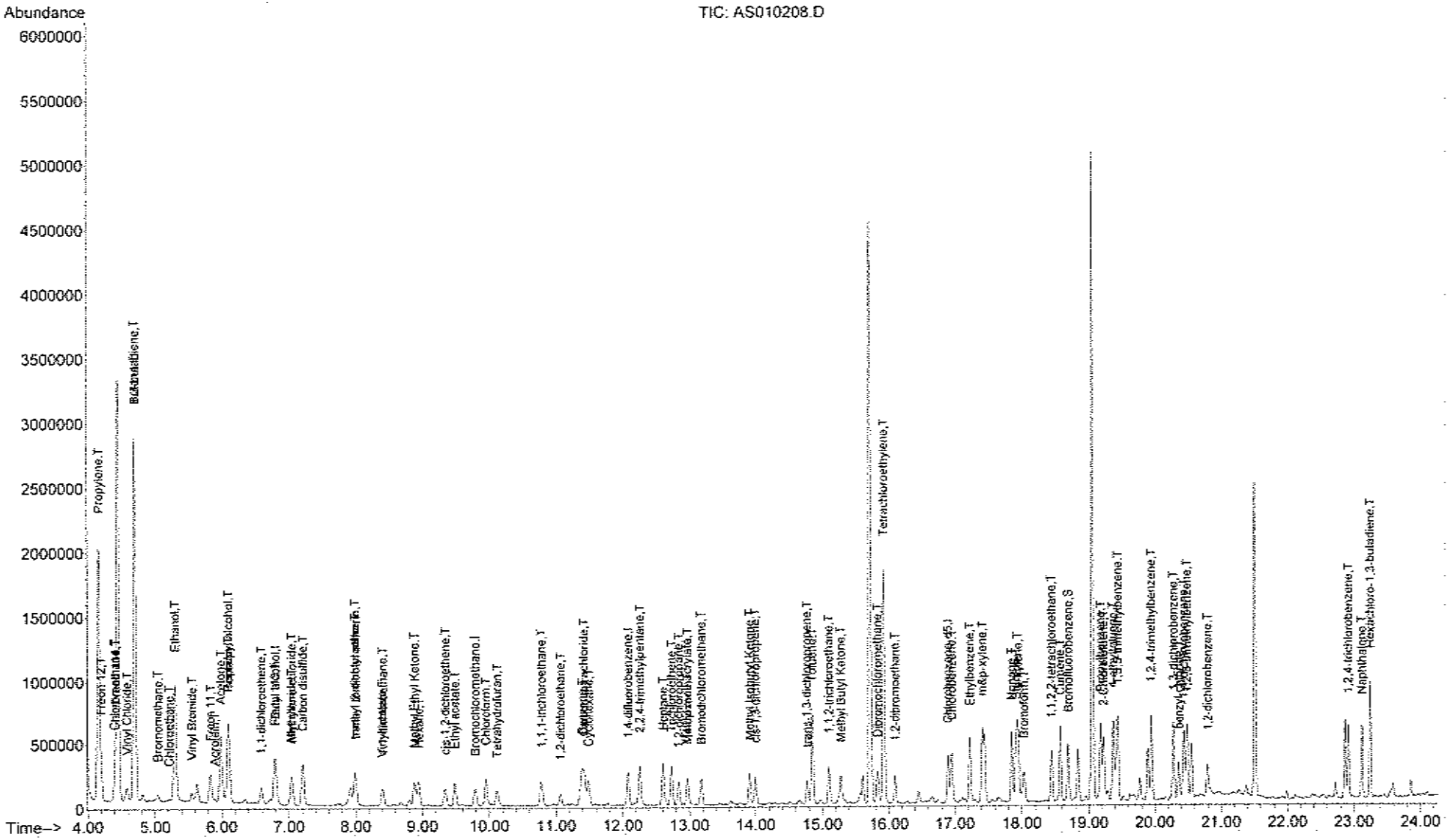
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46)	Bromodichloromethane	13.18	83	181078	1.02	ppb		98
47)	cis-1,3-dichloropropene	14.00	75	161225	1.01	ppb		97
48)	trans-1,3-dichloropropene	14.77	75	141523	1.03	ppb		99
49)	1,1,2-trichloroethane	15.10	97	116877	1.01	ppb		100
51)	Toluene	14.85	92	382994	1.97	ppb		99
52)	Methyl Isobutyl Ketone	13.91	43	201692	1.18	ppb		97
53)	Dibromochloromethane	15.83	129	172921	0.99	ppb		99
54)	Methyl Butyl Ketone	15.28	43	179170	1.17	ppb		93
55)	1,2-dibromoethane	16.10	107	190717	1.06	ppb		99
56)	Tetrachloroethylene	15.93	164	549997	4.18	ppb		97
57)	Chlorobenzene	16.95	112	270807	1.02	ppb		100
58)	Ethylbenzene	17.22	91	478819	1.11	ppb		100
59)	m&p-xylene	17.41	91	804594	2.38	ppb		99
60)	Nonane	17.85	43	229429	1.17	ppb		93
61)	Styrene	17.91	104	321171	1.21	ppb		98
62)	Bromoform	18.04	173	114255	0.92	ppb		99
63)	o-xylene	17.95	91	398136	1.13	ppb		99
64)	Cumene	18.57	105	501401	1.03	ppb		99
66)	1,1,2,2-tetrachloroethane	18.44	83	264053	1.04	ppb		99
67)	Propylbenzene	19.18	120	147513	1.06	ppb		90
68)	2-Chlorotoluene	19.23	126	129313	1.01	ppb	#	85
69)	4-ethyltoluene	19.37	105	559005m	1.17	ppb		
70)	1,3,5-trimethylbenzene	19.44	105	553864m	1.34	ppb		
71)	1,2,4-trimethylbenzene	19.95	105	503038	1.19	ppb		99
72)	1,3-dichlorobenzene	20.28	146	288388	1.06	ppb		98
73)	benzyl chloride	20.36	91	285632	1.06	ppb		98
74)	1,4-dichlorobenzene	20.43	146	295551	1.11	ppb		99
75)	1,2,3-trimethylbenzene	20.48	105	447904	1.11	ppb		100
76)	1,2-dichlorobenzene	20.79	146	146935	0.57	ppb		96
77)	1,2,4-trichlorobenzene	22.91	180	207582	1.36	ppb		100
78)	Naphthalene	23.12	128	514777	1.39	ppb		99
79)	Hexachloro-1,3-butadiene	23.24	225	200942	1.04	ppb		99

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AS010208.D Vial: 8
Acq On : 2 Jan 2021 4:56 pm Operator: RJP
Sample : C2012057-002A MSD Inst : MSD #1
Misc : A101_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jan 7 10:44 2021 Quant Results File: A101_1UG.RES

Method : C:\HPCHEM\1\METHODS\A101_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Tue Jan 12 09:46:09 2021
Response via : Initial Calibration



Centek Laboratories, LLC

GC/MS VOLATILES-WHOLE AIR

METHOD TO-15

INJECTION LOG

Injection Log

Directory: C:\HPCHEM\1\DATA

Instrument # 1
Internal Standard Stock # A4198
Standard Stock # 4199
LCS Stock # 9200
Misc Info: Method Ref: EPA TO-15 / Ja

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	As010101.d	1.	BFB1UG	A101_1UG	1 Jan 2021 17:01
2	1	As010102.d	1.	A1UG	A101_1UG	1 Jan 2021 18:48
3	2	As010103.d	1.	A1UG	A101_1UG	1 Jan 2021 19:38
4	3	As010104.d	1.	A1UG_2.0	A101_1UG	1 Jan 2021 20:26
5	4	As010105.d	1.	A1UG_1.50	A101_1UG	1 Jan 2021 21:12
6	5	As010106.d	1.	A1UG_1.25	A101_1UG	1 Jan 2021 21:57
7	6	As010107.d	1.	A1UG_1.0	A101_1UG	1 Jan 2021 22:41
8	7	As010108.d	1.	A1UG_0.75	A101_1UG	1 Jan 2021 23:24
9	8	As010109.d	1.	A1UG_0.50	A101_1UG	2 Jan 2021 00:07
10	9	As010110.d	1.	A1UG_0.30	A101_1UG	2 Jan 2021 00:48
11	10	As010111.d	1.	A1UG_0.15	A101_1UG	2 Jan 2021 01:32
12	11	As010112.d	1.	A1UG_0.10	A101_1UG	2 Jan 2021 02:15
13	12	As010113.d	1.	A1UG_0.04	A101_1UG	2 Jan 2021 09:28
14	13	As010114.d	1.	A1UG_0.03	A101_1UG	2 Jan 2021 10:10
15		As010115.d	1.	No MS or GC data present		
16	1	As010201.d	1.	BFB1UG	A101_1UG	2 Jan 2021 11:06
17	2	As010202.d	1.	A1UG_1.0	A101_1UG	2 Jan 2021 11:52
18	3	As010203.d	1.	ALCS1UG-010220	A101_1UG	2 Jan 2021 12:36
19	4	As010204.d	1.	AMB1UG-010220	A101_1UG	2 Jan 2021 13:16
20	5	As010205.d	1.	C2012057-001A	A101_1UG	2 Jan 2021 14:00
21	6	As010206.d	1.	C2012057-002A	A101_1UG	2 Jan 2021 14:45
22	7	As010207.d	1.	C2012057-002A MS	A101_1UG	2 Jan 2021 15:36
23	8	As010208.d	1.	C2012057-002A MSD	A101_1UG	2 Jan 2021 16:56
24	9	As010209.d	1.	C2012057-003A	A101_1UG	2 Jan 2021 17:40
25	10	As010210.d	1.	C2012057-004A	A101_1UG	2 Jan 2021 18:24
26	11	As010211.d	1.	C2012057-001A 10X	A101_1UG	2 Jan 2021 19:08
27	12	As010212.d	1.	C2012057-002A 10X	A101_1UG	2 Jan 2021 19:51
28	13	As010213.d	1.	C2012057-003A 10X	A101_1UG	2 Jan 2021 20:35
29	14	As010214.d	1.	C2012057-004A 10X	A101_1UG	2 Jan 2021 21:18
30	1	As010215.d	1.	WAC010221A	A101_1UG	2 Jan 2021 22:00
31	2	As010216.d	1.	WAC010221B	A101_1UG	2 Jan 2021 22:42
32	3	As010217.d	1.	WAC010221C	A101_1UG	2 Jan 2021 23:24
33	4	As010218.d	1.	WAC010221D	A101_1UG	3 Jan 2021 00:07
34	5	As010219.d	1.	WAC010221E	A101_1UG	3 Jan 2021 00:49
35	6	As010220.d	1.	WAC010221F	A101_1UG	3 Jan 2021 01:31
36	7	As010221.d	1.	WAC010221G	A101_1UG	3 Jan 2021 02:13
37	8	As010222.d	1.	WAC010221H	A101_1UG	3 Jan 2021 02:56
38	9	As010223.d	1.	WAC010221I	A101_1UG	3 Jan 2021 03:38
39	10	As010224.d	1.	WAC010221J	A101_1UG	3 Jan 2021 04:20
40	11	As010225.d	1.	WAC010221K	A101_1UG	3 Jan 2021 05:03
41	12	As010226.d	1.	WAC010221L	A101_1UG	3 Jan 2021 05:45
42	13	As010227.d	1.	IDL#1	A101_1UG	3 Jan 2021 06:26
43	14	As010228.d	1.	IDL#2	A101_1UG	3 Jan 2021 07:08
44	15	As010229.d	1.	IDL#	A101_1UG	3 Jan 2021 07:50
45	16	As010230.d	1.	IDL#3	A101_1UG	3 Jan 2021 08:31
46		As010231.d	1.	No MS or GC data present		
47	1	As010301.d	1.	BFB1UG	A101_1UG	3 Jan 2021 09:54
48	2	As010302.d	1.	A1UG	A101_1UG	3 Jan 2021 10:46
49	3	As010303.d	1.	ALCS1UG-100320	A101_1UG	3 Jan 2021 11:31
50	4	As010304.d	1.	AMB1UG-100320	A101_1UG	3 Jan 2021 12:10
51	5	As010305.d	1.	IDL#	A101_1UG	3 Jan 2021 12:52
52	6	As010306.d	1.	IDL#4	A101_1UG	3 Jan 2021 13:34
53	7	As010307.d	1.	IDL#5	A101_1UG	3 Jan 2021 14:16
54		As010308.d	1.	No MS or GC data present		
55	1	As010401.d	1.	BFB1UG	A101_1UG	4 Jan 2021 07:36

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
A-3505	12/3/19	12/10/19	TO15 SULF	A2573	1 ppm	1.5	30	50	WD	
A-3506	↓	↓	↓ H2S	A2572	10.2 ppm	1.47	30	500	↓	
A-3507			TO15 1,4D IS	A3498	50 ppb	0.9	45	1		
A-3508			STD	A3499	↓	↓	↓	↓		
A-3509	↓	↓	↓ LCS	A3500	↓	↓	↓	↓	↓	
A-3510	12/10/19	12/17/19	TO15 IS	A2927	1 ppm	1.5	30	50	WD	
A-3511			STD	A2928	↓	↓	↓	↓		
A-3512			LCS	A2929	↓	↓	↓	↓		
A-3513			4PCH	A3305	1.029 ppm	1.46	30	50		
A-3514			4PCHS	A3513	50 ppb	3.0	30	5		
A-3515			FORM	A2926	10.8 ppm	0.21	45	50		
A-3516			SILOX	A2574 / A2633	449 ppb / 500 ppb	3.34 / 3.0	30	50		
A-3517			SULF	A2573	1 ppm	1.5	30	50		
A-3518			H2S	A2572	10.2 ppm	1.47	30	500		
A-3519			↓ H2S25	A3518	500 ppb	1.5	30	25		
A-3520			TO15 1,4D IS	A3510	50 ppb	0.9	45	1		
A-3521			STD	A3511	↓	↓	↓	↓		
A-3522	↓	↓	↓ LCS	A3512	↓	↓	↓	↓	↓	
A-3523	11/20/19	11/20/2020	TO15 IS	FF-5014		LINDE	2000 psig	1.0 ppm	LL	
A-3524	12/03/19	12/03/2020	TO15 STD	FF-11174		LINDE	2200 psig	1.0 ppm	LL	
A-3525	12/17/19	12/24/19	TO15 IS	A3523	1 ppm	1.5	30	50	WD	

FORM 153

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Centek Laboratories, LLC

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-3610	2/4/20	2/11/20	TO15 STD	A2928	1 ppm	1.5	30	50	WD	
A-3611			LCS	A2929	↓	↓	↓	↓		
A-3612			4PCH	A3305	1.029 ppm	1.46	30	50		
A-3613			4PCHS	A3612	50 ppb	3.0	30	5		
A-3614			FORM	A2926	10.8 ppm	0.21	45	50		
A-3615			SILOX	A2574 / A2623	449 ppb / 500 ppb	3.34 / 3.0	30	50		
A-3616			SULF	A2573	1 ppm	1.5	30	50		
A-3617			H2S	A2572	10.2 ppm	1.47	30	500		
A-3618			TO15 IS	A3609	50 ppb	0.9	45	1		
A-3619			STD	A3610		↓	↓	↓		
A-3620	↓	↓	LCS	A3611	↓	↓	↓	↓	↓	
A-3621	2/7/20	2/7/21	TO15 STD	FF-529886	LINDE		2200 psig	1.0 ppm	WD	
A-3622	2/11/20	2/18/20	TO15 IS	A3523	1 ppm	1.5	30	50	WD	
A-3623			STD	A2928		↓	↓	↓		
A-3624			LCS	A2929	↓	↓	↓	↓		
A-3625			4PCH	A3305	1.029 ppm	1.46	30	50		
A-3626			4PCHS	A3625	50 ppb	3.0	30	5		
A-3627			FORM	A2926	10.8 ppm	0.21	45	50		
A-3628			SILOX	A2574 / A2623	449 ppb / 500 ppb	3.34 / 3.0	30	50		
A-3629			SULF	A2573	1 ppm	1.5	30	50		
A-3630	↓	↓	H2S	A2572	10.2 ppm	1.47	30	500	↓	

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Centek Laboratories, LLC

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
A-4174	12/15/20	12/22/20	TO15 1469 LCS	A4164	50 ppb	0.9	45	1	WD	
A-4175	12/23/20	12/31/20	TO15 IS	A3523	1 ppm	1.5	30	50	M	
A-4176	↓	↓	STD	A3621	↓	↓	↓	↓	↓	
A-4177			LCS	A3658						
A-4178			4PCH	A3992	1.025 ppm	1.47	30	↓		
A-4179			4PCH5	A4188	50 ppb	3.0	↓	5		
A-4180			FORM	A3792	10.3 ppm	0.22	45	50		
A-4181			SILOX	A2574/A2623	449/500 PPB	3.34/3	30	↓		
A-4182			SULF	A326	1 ppm	1.5				
A-4183			H2S	A2572	10.2 ppm	1.47		500		
A-4184			H2S15	A4183	500 ppb	1.5	↓	25		
A-4185			TO15 IUG IS	A4175	50 ppb	0.9	45	1		
A-4186			STD	A4176						
A-4187	↓	↓	LCS	A4177	↓	↓	↓	↓	↓	
A-4188	1/2/21	1/11/21	TO15 IS	A3523	1 ppm	1.5	30	50	M	
A-4189	↓	↓	STD	A3621	↓	↓	↓	↓	↓	
A-4190			LCS	A3658						
A-4191			4PCH	A3992	1.025 ppm	1.47				
A-4192			4PCH5	A4191	50 ↓	3.0	↓	5		
A-4193			FORM	A3792	10.3 ppm	0.22	45	50		
A-4194	↓	↓	SILOX	A2574/2623	449/500 PPB	3.34/3	30	↓	↓	

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Centek Laboratories, LLC

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-4195	1/2/21	1/11/21	TO15 SULF	A3626	1ppm	1.5	30	50	mp	
A-4196	↓	↓	H2S	A2572	10.2ppm	1.47	↓	500	↓	
A-4197			H2S25	A4152	500ppb	1.5		25		
A-4198			TO15 1/8 IS	A4188	50	0.9	45	~~25~~ 1		
A-4199			STD	A4189	↓	↓	↓	↓		
A-4200	↓	↓	LCS	A4196	↓	↓	↓	↓	↓	
A-										
A-										
A-										
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Centek Laboratories, LLC

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)
483	1.7 L	209	20	9/24/20	WAC092520A	1g ± 0.20	30+ | 30 9/29/20
1201							30+ |
1321							30+ |
210							30+ |
209					B		30+ |
1198		1200					30+ |
1319							30+ |
218							30+ |
487							30+ |
1200					C		30+ |
1207		215					30+ |
217							30+ |
1206							30+ |
1323							30+ |
215					D		30+ |
1320		211					30+ |
216							30+ |
214							30+ |
212							30+ |
211							30+ |
							30+ |
							30+ |
							30+ |
							30+ |

Centek Laboratories, LLC

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)
290	1L	1191	20	11/30/20	WAC120120A	1ppb+0.2	30+ 30 12/4/20
422							30+
107							30+
1187							30+
1191		↓					30+
328		1181			B		30+
1180							30+
226							30+
288							30+
1181		↓			C		30+
358		1185					30+
363							30+
205							30+
352							30+
1185		↓			D		30+
550		223					30+
141							30+
92							30+
158							30+
223		↓			E		30+
316		475					30+
324							30+
544							30+
353							30+
475	↓	↓	↓	↓	↓	↓	30+ ↓

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Form C151

Centek Laboratories, LLC

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\2020SEPT\AR092505.D Vial: 5
Acq On : 25 Sep 2020 12:19 pm Operator: RJP
Sample : WAC092520A Inst : MSD #1
Misc : A827_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 28 14:43:14 2020 Quant Results File: A827_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A827_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Tue Sep 22 12:05:07 2020
Response via : Initial Calibration
DataAcq Meth : 1UG_ENT

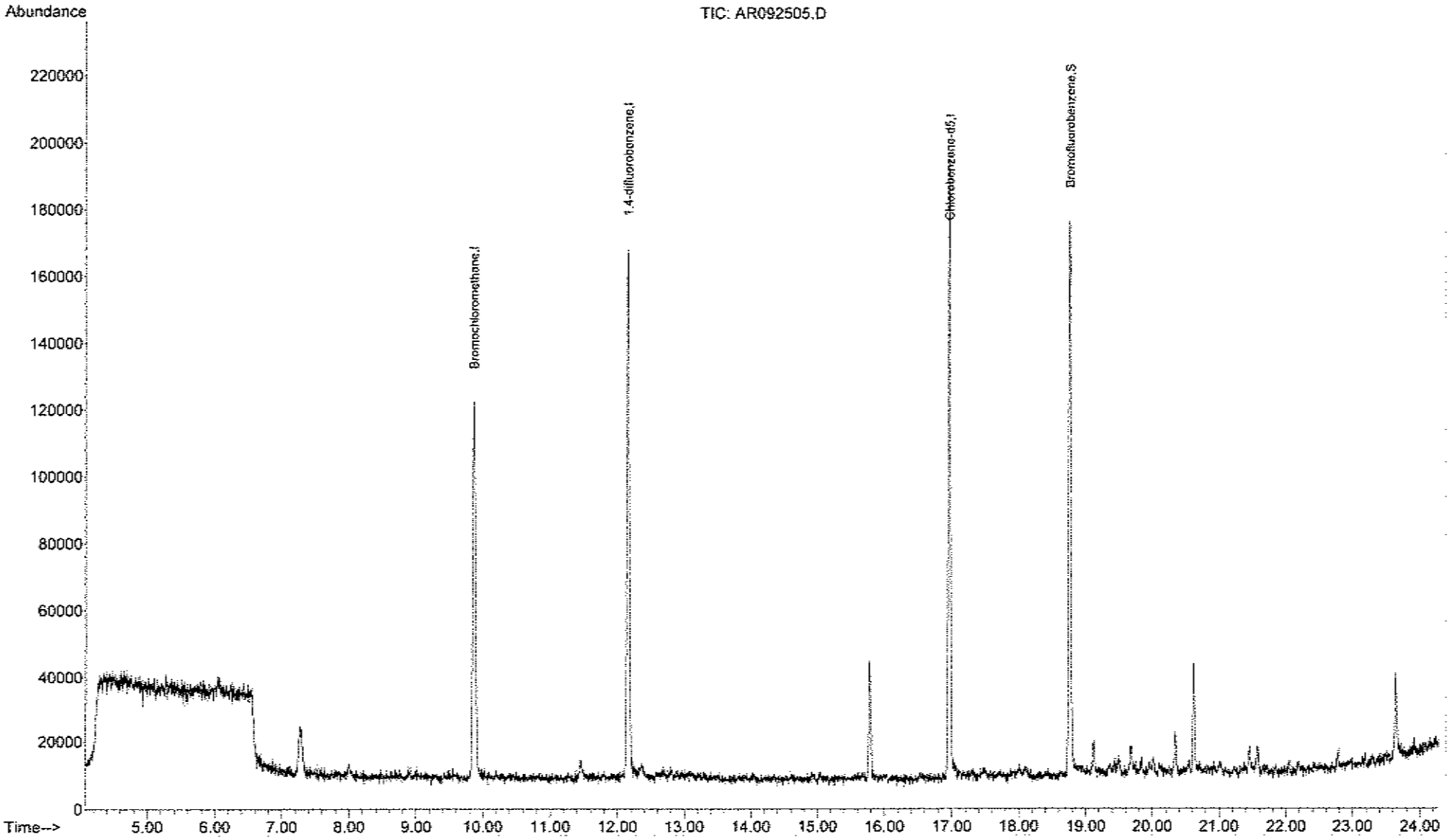
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	9.87	128	47321	1.00	ppb	-0.03
35) 1,4-difluorobenzene	12.16	114	165465	1.00	ppb	-0.01
50) Chlorobenzene-d5	16.97	117	128570	1.00	ppb	0.00
System Monitoring Compounds						
65) Bromofluorobenzene	18.76	95	64885	0.82	ppb	-0.01
Spiked Amount 1.000	Range 70 - 130		Recovery = 82.00%			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\2020SEPT\AR092505.D Vial: 5
Acq On : 25 Sep 2020 12:19 pm Operator: RJP
Sample : WAC092520A Inst : MSD #1
Misc : A827_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 29 11:33 2020 Quant Results File: A827_1UG.RES

Method : C:\HPCHEM\1\METHODS\A112_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Tue Jan 12 21:26:35 2021
Response via : Initial Calibration



AR092505.D A112_1UG.M Wed Jan 20 09:59:33 2021 MSD1 Page 2

Centek Laboratories, LLC

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\2020SEPT\AR092506.D Vial: 6
Acq On : 25 Sep 2020 1:02 pm Operator: RJP
Sample : WAC092520B Inst : MSD #1
Misc : A827_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 28 14:43:15 2020 Quant Results File: A827_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A827_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Tue Sep 22 12:05:07 2020
Response via : Initial Calibration
DataAcq Meth : 1UG_ENT

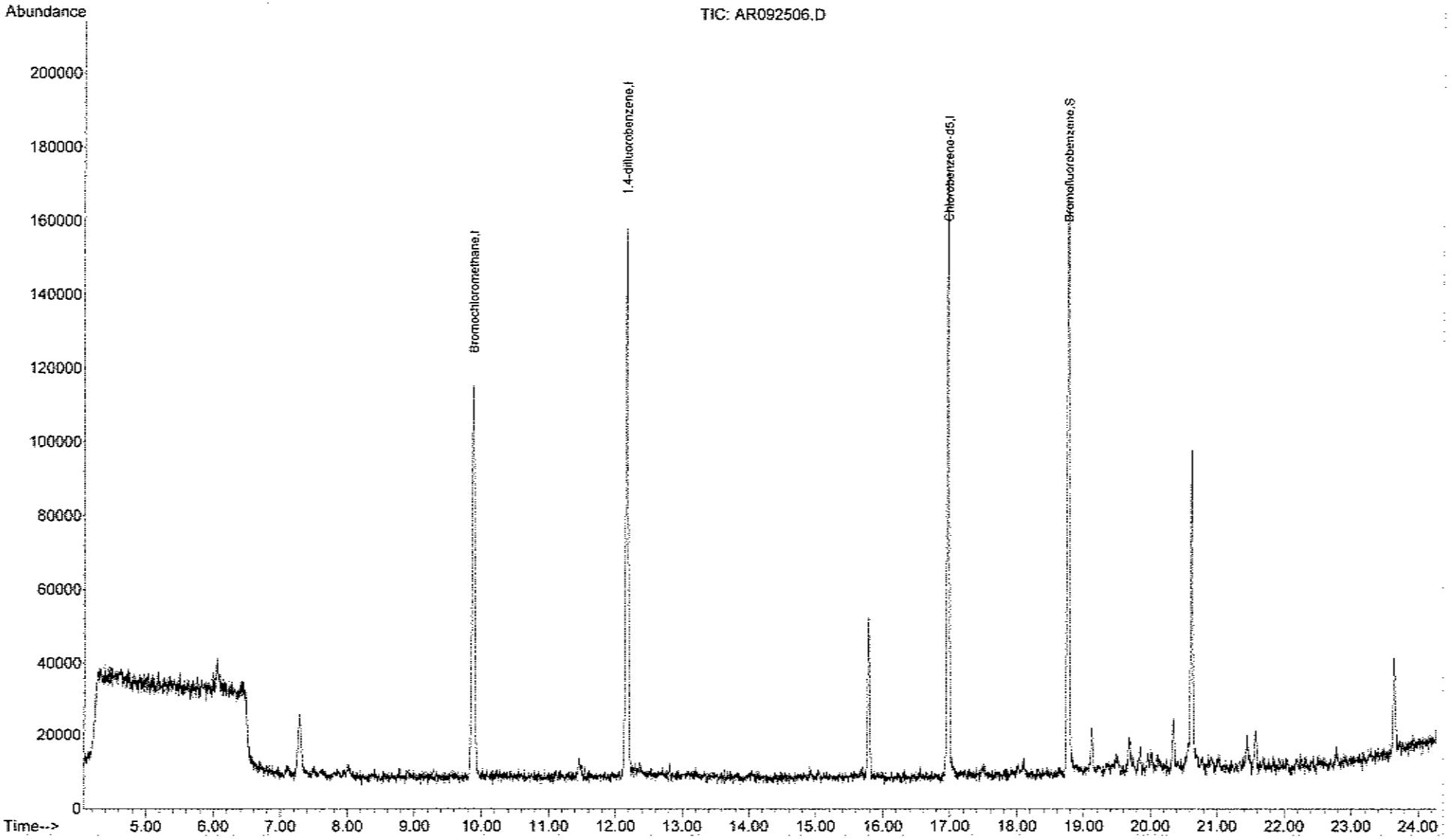
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	9.88	128	44295	1.00	ppb	-0.02
35) 1,4-difluorobenzene	12.17	114	154185	1.00	ppb	-0.01
50) Chlorobenzene-d5	16.97	117	118254	1.00	ppb	0.00
System Monitoring Compounds						
65) Bromofluorobenzene	18.76	95	59060	0.82	ppb	0.00
Spiked Amount 1.000	Range 70 - 130		Recovery = 82.00%			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\2020SEPT\AR092506.D Vial: 6
Acq On : 25 Sep 2020 1:02 pm Operator: RJP
Sample : WAC092520B Inst : MSD #1
Misc : A827_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 29 11:34 2020 Quant Results File: A827_1UG.RES

Method : C:\HPCHEM\1\METHODS\A112_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Tue Jan 12 21:26:35 2021
Response via : Initial Calibration



AR092506.D A112_1UG.M Wed Jan 20 09:59:36 2021 MSD1 Page 2

Centek Laboratories, LLC

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AR120123.D Vial: 26
Acq On : 2 Dec 2020 4:00 am Operator: RJP
Sample : WAC120120A Inst : MSD #1
Misc : A827_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 03 09:27:29 2020 Quant Results File: A827_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A827_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Fri Nov 20 10:26:49 2020
Response via : Initial Calibration
DataAcq Meth : 1UG_ENT

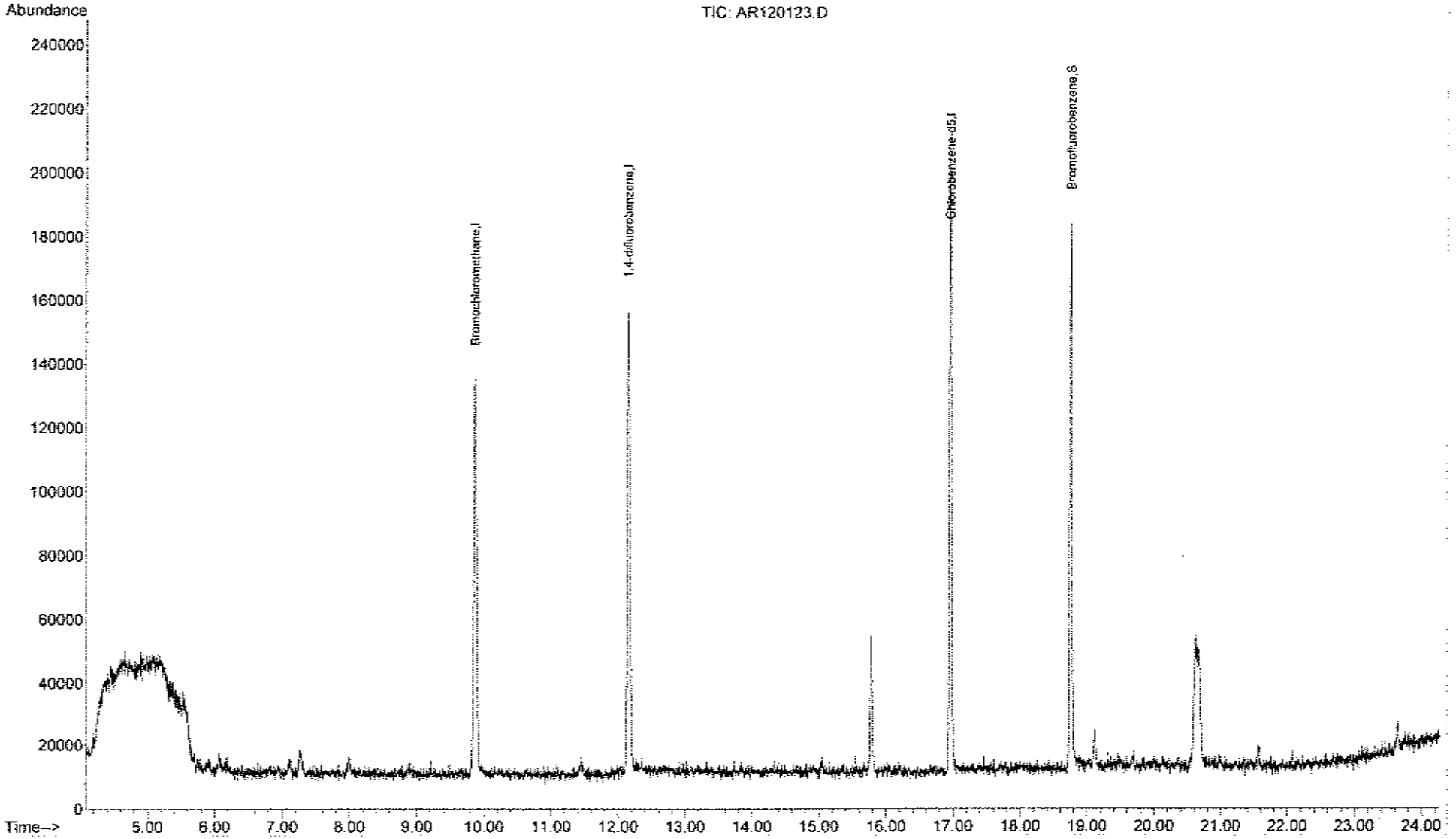
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	9.86	128	47309	1.00	ppb	0.00
35) 1,4-difluorobenzene	12.16	114	157204	1.00	ppb	0.01
50) Chlorobenzene-d5	16.96	117	129887	1.00	ppb	0.00
System Monitoring Compounds						
65) Bromofluorobenzene	18.75	95	63397	0.80	ppb	0.06
Spiked Amount 1.000	Range 70 - 130		Recovery = 80.00%			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AR120123.D Vial: 26
Acq On : 2 Dec 2020 4:00 am Operator: RJP
Sample : WAC120120A Inst : MSD #1
Misc : A827_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 4 11:53 2020 Quant Results File: A827_1UG.RES

Method : C:\HPCHEM\1\METHODS\A112_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Tue Jan 12 21:26:35 2021
Response via : Initial Calibration



AR120123.D A112_1UG.M Wed Jan 20 10:00:45 2021 MSD1 Page 2

Centek Laboratories, LLC

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AR120124.D Vial: 27
Acq On : 2 Dec 2020 4:42 am Operator: RJP
Sample : WAC120120B Inst : MSD #1
Misc : A827_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 03 09:27:31 2020 Quant Results File: A827_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A827_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Fri Nov 20 10:26:49 2020
Response via : Initial Calibration
DataAcq Meth : 1UG_ENT

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	9.87	128	46149	1.00	ppb	0.01
35) 1,4-difluorobenzene	12.16	114	157095	1.00	ppb	0.02
50) Chlorobenzene-d5	16.96	117	130677	1.00	ppb	0.00
System Monitoring Compounds						
65) Bromofluorobenzene	18.76	95	61560	0.77	ppb	0.06
Spiked Amount 1.000	Range 70 - 130		Recovery = 77.00%			
Target Compounds						Qvalue

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

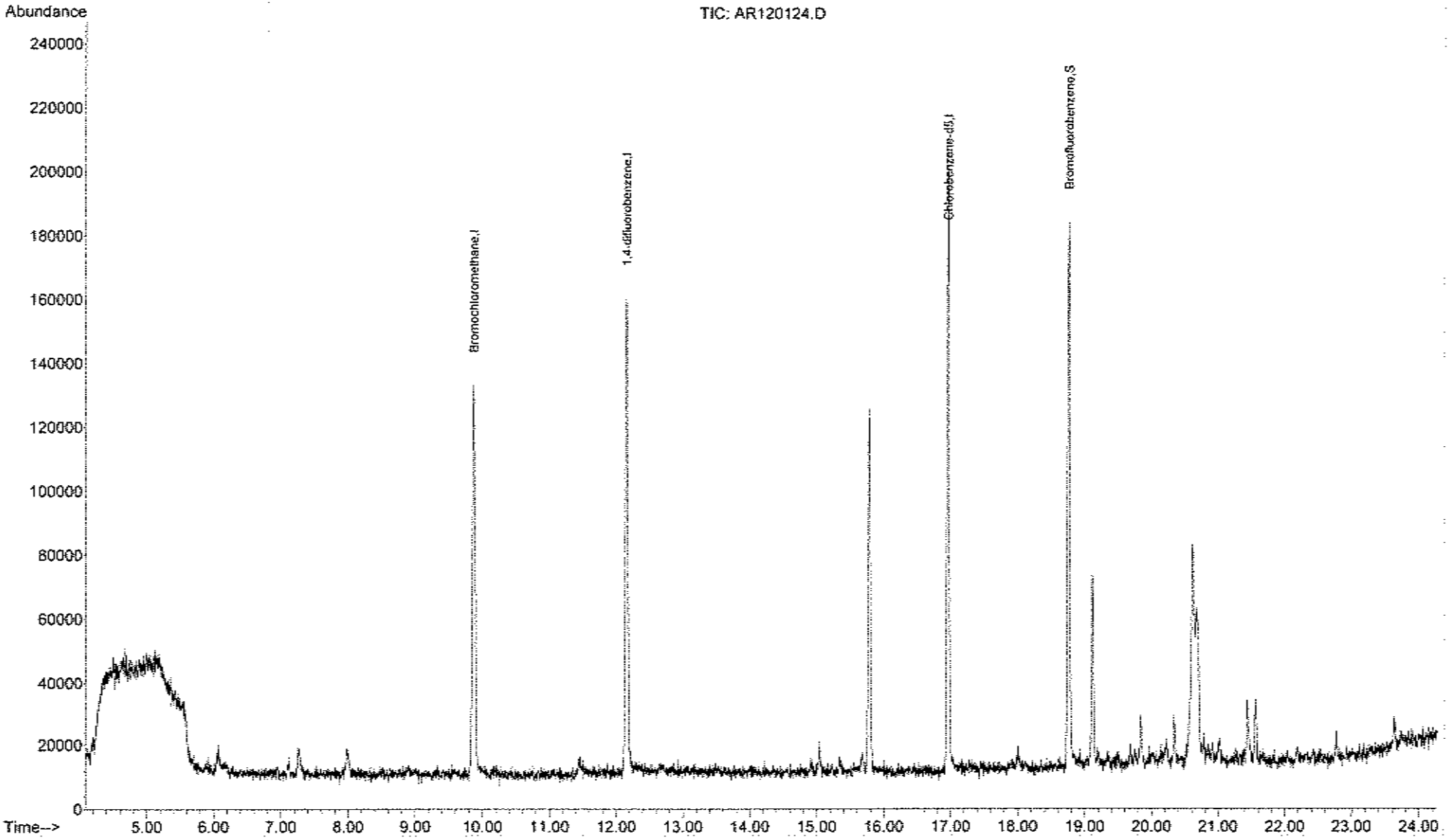
Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AR120124.D
Acq On : 2 Dec 2020 4:42 am
Sample : WAC120120B
Misc : A827_1UG
MS Integration Params: RTEINT.P
Quant Time: Dec 4 11:53 2020

Vial: 27
Operator: RJP
Inst : MSD #1
Multiplr: 1.00

Quant Results File: A827_1UG.RES

Method : C:\HPCHEM\1\METHODS\A112_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Tue Jan 12 21:26:35 2021
Response via : Initial Calibration



Centek Laboratories, LLC

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AR120125.D Vial: 28
Acq On : 2 Dec 2020 5:25 am Operator: RJP
Sample : WAC120120C Inst : MSD #1
Misc : A827_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 03 09:27:33 2020 Quant Results File: A827_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A827_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Fri Nov 20 10:26:49 2020
Response via : Initial Calibration
DataAcq Meth : 1UG_ENT

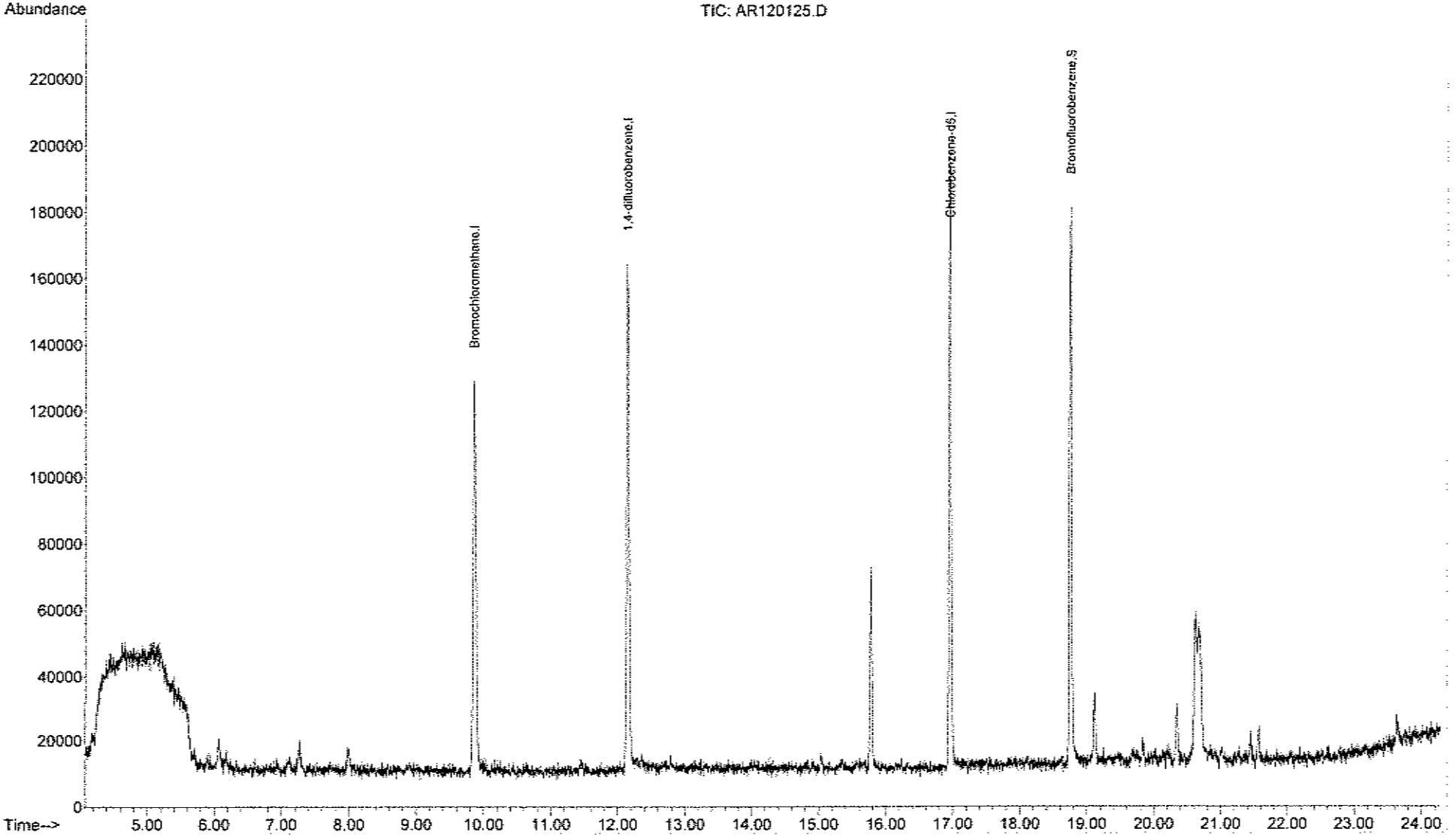
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	9.86	128	45517	1.00	ppb	0.00
35) 1,4-difluorobenzene	12.16	114	158528	1.00	ppb	0.01
50) Chlorobenzene-d5	16.96	117	128857	1.00	ppb	0.01
System Monitoring Compounds						
65) Bromofluorobenzene	18.75	95	61636	0.78	ppb	0.06
Spiked Amount 1.000	Range 70 - 130		Recovery = 78.00%			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\AR120125.D Vial: 28
Acq On : 2 Dec 2020 5:25 am Operator: RJP
Sample : WAC120120C Inst : MSD #1
Misc : A827_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 3 9:27 2020 Quant Results File: A827_1UG.RES

Method : C:\HPCHEM\1\METHODS\A112_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Tue Jan 12 21:26:35 2021
Response via : Initial Calibration



AR120125.D A112_1UG.M Wed Jan 20 10:00:51 2021 MSD1 Page 2

Centek Laboratories, LLC

Centek Laboratories TO-15 Package Review CheckList

Client: LABELLA **Project:** 113-117 CLITON AV. SDG: C1907049

		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 113-117 Project: CLITON NORTH SDG: L1907049

		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: * SEE CASE NARRATIVE

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

Comments:

Logbooks			
Injection Log	✓		
Standards Log	✓		
Can Cleaning Log	✓		
Calculation Sheet	✓		
IDL's	✓		
Canister Order Form	✓		
Sample Tracking Form	✓		

Additional Comments:

Section Supervisor: [signature] Date: 8/30/19

QC Supervisor: [signature] Date: 9/30/19

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

Jeffrey Folger
LaBella Associates, P.C.
300 State Street, Suite 201
Rochester, NY 14614

TEL: (585) 402-7078
FAX (585) 454-3066

Friday, July 26, 2019
Order No.: C1907049

RE: 113-117 Clinton North

Dear Jeffrey Folger:

Centek Laboratories, LLC received 3 sample(s) on 7/22/2019 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.

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

Sincerely,

William Dobbin
Lead Technical Director

Disclaimer: The test results and procedures utilized, and laboratory interpretations of the data obtained by Centek 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
Table of Contents

CENTEK LABORATORIES, LLC

Date: *30-Aug-19*

CLIENT: LaBella Associates, P.C.

Project: 113-117 Clinton North

Lab Order: C1907049

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.

See Corrective Action: [4012] CC did not meet criteria.
See Corrective Action: [4013] MS/MSD did not meet criteria.

Centek Laboratories, LLC

Corrective Action Report

Date Initiated: 24-Jul-19
Corrective Action Report ID: 4012
Initiated By: Russell Pellegrino
Department: MSVOA

Corrective Action Description

CAR Summary: CC did not meet criteria.

Description of Nonconformance Root/Cause(s): Continuing calibration did not meet criteria on 7/24/19 for hexachloro-1,3-butadiene. The compound was more sensitive. The compounds in question were not detected in the associated samples. The results would have been biased high.

Description of Corrective Action w/Proposed C.A.: The sample results should be considered valid, since the compounds of interest were not detected and would have been considered biased high. No corrective action taken at this time. If results continue to be outside established limits then recalibrate system. All sets of data submitted.

Performed By: Russell Pellegrino
Completion Date: 25-Jul-19

Client Notification

Client Notification Required: No
Notified By:

Comment:

Quality Assurance Review

Nonconformance Type: Deficiency

Further Action required by QA: Recalibrate the system ASAP if compound remains outside criteria. Monitoring of all quality control remains post initial calibration. All sets of data submitted.

Approval and Closure

Technical Director / Deputy Tech. Dir.: William Dobbin
Close Date: 26-Jul-19

QA Officer Approval: Nick Scala
QA Date: 26-Jul-19

Last Updated BY russ
Updated: 30-Aug-2019 10:57 AM
Reported: 30-Aug-2019 10:57 A

Centek Laboratories, LLC

Corrective Action Report

Date Initiated: 24-Jul-19
Corrective Action Report ID: 4013
Initiated By: Russell Pellegrino
Department: MSVOA

Corrective Action Description

CAR Summary: MS/MSD did not meet criteria.

Description of Nonconformance Root/Cause(s): Many compounds did not meet criteria for sample C1907049-003A 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: 25-Jul-19

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.: Russell Pellegrino
Close Date: 26-Jul-19

QA Officer Approval: Nick Scala
QA Date: 26-Jul-19

Last Updated BY russ
Updated: 30-Aug-2019 11:01 AM
Reported: 30-Aug-2019 11:01 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: 113-117 Clinton North
Project: 2161120
PO#: 2161120.12
Quote #: Q-
Canister Order #: 7941

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: jfolger@labellapc.com
Phone: ~~585-454-~~ 585-402-7078

Company:
Check Here If Same: ☒
Invoice to:
Address:
City, State, Zip
Email:
Phone:

Sample ID	Date Sampled	Canister Number	Regulator Number	Analysis Request	Field Vacuum Start / Stop	Labs Vacuum** Rec'd/Analysis	Comments
113-1	7/17/19	130	255	TO-15	-30 / -4	-21 -2	
113-2	"	316	337	"	-29.5 / -4	-31 -3	Dup ~~of 113-1 MS/MSD~~
113-3	"	564	1166	"	~~-30 / -4~~	~~-21 -2~~	
~~QA/QC~~ 113-3	"	133	253	"	-30 / -3	-31 -3	MS/MSD
					"	"	
					"	"	
					"	"	
					"	"	
					"	"	
					"	"	
					"	"	
					"	"	
					"	"	
					"	"	
					"	"	
					"	"	
					"	"	
					"	"	

Chain of Custody	Print Name	Signature	Date/Time
Sampled by:	Jeffrey Folger		7/17/19 16:30
Relinquished by:	Jeffrey Folger		7/19/19 10:00
Received at Lab by:	Robin Bushlaw		7/22/19

Courier: CIRCLE ONE
FedEx UPS Pickup/Dropoff

**For LAB USE ONLY
Work Order # C1907049

***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.

Centek Laboratories, LLC

CENTEK LABORATORIES, LLC

Date: *30-Aug-19*

CLIENT: LaBella Associates, P.C.
Project: 113-117 Clinton North
Lab Order: C1907049

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
C1907049-001A	113-1	130,255	7/17/2019	7/22/2019
C1907049-002A	113-2	316,337	7/17/2019	7/22/2019
C1907049-003A	113-3	133,253	7/17/2019	7/22/2019

CENTEK LABORATORIES, LLC

Sample Receipt Checklist

Client Name: LABELLA - ROCHESTER

Date and Time Received: 7/22/2019

Work Order Number: C1907049

Received by: RG

Checklist completed by: Robin Gushlaw 7/22/19 (Signature / Date)

Reviewed by: WD 7/22/19 (Initials / Date)

Matrix:

Carrier name: FedEx 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: 7/22/19 Person contacted: Jeff

Contacted by: Russ Regarding: Correct Sample ID Req

Comments:

Corrective Action: Russ spoke to Jeff and Verified Sample ID Req.

Lab Order: C1907049
Client: LaBella Associates, P.C.
Project: 113-117 Clinton North

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
C1907049-001A	113-1	7/17/2019	Air	1ug/m3 w/ 0.2ug/M3 CT-TCE-VC-DCE-1,1DCE			7/25/2019
				1ug/m3 w/ 0.2ug/M3 CT-TCE-VC-DCE-1,1DCE			7/24/2019
C1907049-002A	113-2			1ug/m3 w/ 0.2ug/M3 CT-TCE-VC-DCE-1,1DCE			7/25/2019
				1ug/m3 w/ 0.2ug/M3 CT-TCE-VC-DCE-1,1DCE			7/24/2019
C1907049-003A	113-3			1ug/m3 w/ 0.2ug/M3 CT-TCE-VC-DCE-1,1DCE			7/25/2019
				1ug/m3 w/ 0.2ug/M3 CT-TCE-VC-DCE-1,1DCE			7/24/2019

Centek Laboratories, LLC

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

7941

30-Aug-19

SHIPPED TO:

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

Submitted By:

MadeBy: amm

Ship Date: 7/10/2019
VIA: FedEx Ground
Due Date: 7/11/2019

Bottle Code	Bottle Type	TEST(s)	QTY
MC1400CC	1.4L Mini-Can	1ug/M3 by Method TO15	1
MC1000CC	1L Mini-Can	1ug/M3 by Method TO15	5

Can / Reg ID	Description
130	1L Mini-Can - 1078 VI
133	1L Mini-Can - 1082 VI
253	Time-Set Reg - 691 VI
255	Time-Set Reg - 693 VI
316	1L Mini-Can - 1279 VI
337	Time-Set Reg - 734 VI
352	1L Mini-Can - 1301 VI
564	1L Mini-Can - 135 VI
1166	Time-Set Reg-0791 VI
1205	1.4L Mini-Can - 1056 VI

Comments: (4) @ 8hrs + dup + MSDS WAC 041519 A-B, 062819G-L

GC/MS VOLATILES-WHOLE AIR

METHOD TO-15

ANALYTICAL RESULTS

Centek Laboratories, LLC

Date: *30-Aug-19*

CLIENT:	LaBella Associates, P.C.	**Client Sample ID:**	113-1
Lab Order:	C1907049	**Tag Number:**	130,255
Project:	113-117 Clinton North	**Collection Date:**	7/17/2019
Lab ID:	C1907049-001A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		FLD				Analyst:
Lab Vacuum In	-2			"Hg		7/22/2019
Lab Vacuum Out	-30			"Hg		7/22/2019
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		TO-15				Analyst: RJP
1,1,1-Trichloroethane	< 0.15	0.15		ppbV	1	7/24/2019 5:25:00 PM
1,1,2,2-Tetrachloroethane	< 0.15	0.15		ppbV	1	7/24/2019 5:25:00 PM
1,1,2-Trichloroethane	< 0.15	0.15		ppbV	1	7/24/2019 5:25:00 PM
1,1-Dichloroethane	< 0.15	0.15		ppbV	1	7/24/2019 5:25:00 PM
1,1-Dichloroethene	< 0.040	0.040		ppbV	1	7/24/2019 5:25:00 PM
1,2,4-Trichlorobenzene	< 0.15	0.15		ppbV	1	7/24/2019 5:25:00 PM
1,2,4-Trimethylbenzene	0.84	0.15		ppbV	1	7/24/2019 5:25:00 PM
1,2-Dibromoethane	< 0.15	0.15		ppbV	1	7/24/2019 5:25:00 PM
1,2-Dichlorobenzene	< 0.15	0.15		ppbV	1	7/24/2019 5:25:00 PM
1,2-Dichloroethane	< 0.15	0.15		ppbV	1	7/24/2019 5:25:00 PM
1,2-Dichloropropane	< 0.15	0.15		ppbV	1	7/24/2019 5:25:00 PM
1,3,5-Trimethylbenzene	0.50	0.15		ppbV	1	7/24/2019 5:25:00 PM
1,3-butadiene	< 0.15	0.15		ppbV	1	7/24/2019 5:25:00 PM
1,3-Dichlorobenzene	< 0.15	0.15		ppbV	1	7/24/2019 5:25:00 PM
1,4-Dichlorobenzene	< 0.15	0.15		ppbV	1	7/24/2019 5:25:00 PM
1,4-Dioxane	< 0.30	0.30		ppbV	1	7/24/2019 5:25:00 PM
2,2,4-trimethylpentane	0.69	0.15		ppbV	1	7/24/2019 5:25:00 PM
4-ethyltoluene	0.23	0.15		ppbV	1	7/24/2019 5:25:00 PM
Acetone	11	3.0		ppbV	10	7/25/2019 6:15:00 AM
Allyl chloride	< 0.15	0.15		ppbV	1	7/24/2019 5:25:00 PM
Benzene	0.67	0.15		ppbV	1	7/24/2019 5:25:00 PM
Benzyl chloride	< 0.15	0.15		ppbV	1	7/24/2019 5:25:00 PM
Bromodichloromethane	< 0.15	0.15		ppbV	1	7/24/2019 5:25:00 PM
Bromoform	< 0.15	0.15		ppbV	1	7/24/2019 5:25:00 PM
Bromomethane	< 0.15	0.15		ppbV	1	7/24/2019 5:25:00 PM
Carbon disulfide	< 0.15	0.15		ppbV	1	7/24/2019 5:25:00 PM
Carbon tetrachloride	0.10	0.030		ppbV	1	7/24/2019 5:25:00 PM
Chlorobenzene	< 0.15	0.15		ppbV	1	7/24/2019 5:25:00 PM
Chloroethane	< 0.15	0.15		ppbV	1	7/24/2019 5:25:00 PM
Chloroform	0.82	0.15		ppbV	1	7/24/2019 5:25:00 PM
Chloromethane	0.79	0.15		ppbV	1	7/24/2019 5:25:00 PM
cis-1,2-Dichloroethene	< 0.040	0.040		ppbV	1	7/24/2019 5:25:00 PM
cis-1,3-Dichloropropene	< 0.15	0.15		ppbV	1	7/24/2019 5:25:00 PM
Cyclohexane	0.43	0.15		ppbV	1	7/24/2019 5:25:00 PM
Dibromochloromethane	< 0.15	0.15		ppbV	1	7/24/2019 5:25:00 PM
Ethyl acetate	0.30	0.15		ppbV	1	7/24/2019 5:25:00 PM

Qualifiers:

**	Quantitation Limit	.	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		

Centek Laboratories, LLC

Date: *30-Aug-19*

CLIENT:	LaBella Associates, P.C.	**Client Sample ID:**	113-1
Lab Order:	C1907049	**Tag Number:**	130,255
Project:	113-117 Clinton North	**Collection Date:**	7/17/2019
Lab ID:	C1907049-001A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		**TO-15**				Analyst: **RJP**
Ethylbenzene	0.37	0.15		ppbV	1	7/24/2019 5:25:00 PM
Freon 11	0.30	0.15		ppbV	1	7/24/2019 5:25:00 PM
Freon 113	< 0.15	0.15		ppbV	1	7/24/2019 5:25:00 PM
Freon 114	< 0.15	0.15		ppbV	1	7/24/2019 5:25:00 PM
Freon 12	< 0.15	0.15		ppbV	1	7/24/2019 5:25:00 PM
Heptane	0.55	0.15		ppbV	1	7/24/2019 5:25:00 PM
Hexachloro-1,3-butadiene	< 0.15	0.15		ppbV	1	7/24/2019 5:25:00 PM
Hexane	1.4	0.15		ppbV	1	7/24/2019 5:25:00 PM
Isopropyl alcohol	24	1.5		ppbV	10	7/25/2019 6:15:00 AM
m&p-Xylene	1.3	0.30		ppbV	1	7/24/2019 5:25:00 PM
Methyl Butyl Ketone	< 0.30	0.30		ppbV	1	7/24/2019 5:25:00 PM
Methyl Ethyl Ketone	1.7	0.30		ppbV	1	7/24/2019 5:25:00 PM
Methyl Isobutyl Ketone	< 0.30	0.30		ppbV	1	7/24/2019 5:25:00 PM
Methyl tert-butyl ether	< 0.15	0.15		ppbV	1	7/24/2019 5:25:00 PM
Methylene chloride	0.49	0.15		ppbV	1	7/24/2019 5:25:00 PM
o-Xylene	0.46	0.15		ppbV	1	7/24/2019 5:25:00 PM
Propylene	< 0.15	0.15		ppbV	1	7/24/2019 5:25:00 PM
Styrene	0.29	0.15		ppbV	1	7/24/2019 5:25:00 PM
Tetrachloroethylene	2.4	1.5		ppbV	10	7/25/2019 6:15:00 AM
Tetrahydrofuran	< 0.15	0.15		ppbV	1	7/24/2019 5:25:00 PM
Toluene	1.8	0.15		ppbV	1	7/24/2019 5:25:00 PM
trans-1,2-Dichloroethene	< 0.15	0.15		ppbV	1	7/24/2019 5:25:00 PM
trans-1,3-Dichloropropene	< 0.15	0.15		ppbV	1	7/24/2019 5:25:00 PM
Trichloroethene	0.070	0.030		ppbV	1	7/24/2019 5:25:00 PM
Vinyl acetate	< 0.15	0.15		ppbV	1	7/24/2019 5:25:00 PM
Vinyl Bromide	< 0.15	0.15		ppbV	1	7/24/2019 5:25:00 PM
Vinyl chloride	< 0.040	0.040		ppbV	1	7/24/2019 5:25:00 PM
Surr: Bromofluorobenzene	101	70-130		%REC	1	7/24/2019 5:25:00 PM

Qualifiers:

**	Quantitation Limit
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

Centek Laboratories, LLC

Date: *30-Aug-19*

CLIENT:	LaBella Associates, P.C.	**Client Sample ID:**	113-1
Lab Order:	C1907049	**Tag Number:**	130,255
Project:	113-117 Clinton North	**Collection Date:**	7/17/2019
Lab ID:	C1907049-001A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	< 0.82	0.82		ug/m3	1	7/24/2019 5:25:00 PM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		ug/m3	1	7/24/2019 5:25:00 PM
1,1,2-Trichloroethane	< 0.82	0.82		ug/m3	1	7/24/2019 5:25:00 PM
1,1-Dichloroethane	< 0.61	0.61		ug/m3	1	7/24/2019 5:25:00 PM
1,1-Dichloroethene	< 0.16	0.16		ug/m3	1	7/24/2019 5:25:00 PM
1,2,4-Trichlorobenzene	< 1.1	1.1		ug/m3	1	7/24/2019 5:25:00 PM
1,2,4-Trimethylbenzene	4.1	0.74		ug/m3	1	7/24/2019 5:25:00 PM
1,2-Dibromoethane	< 1.2	1.2		ug/m3	1	7/24/2019 5:25:00 PM
1,2-Dichlorobenzene	< 0.90	0.90		ug/m3	1	7/24/2019 5:25:00 PM
1,2-Dichloroethane	< 0.61	0.61		ug/m3	1	7/24/2019 5:25:00 PM
1,2-Dichloropropane	< 0.69	0.69		ug/m3	1	7/24/2019 5:25:00 PM
1,3,5-Trimethylbenzene	2.5	0.74		ug/m3	1	7/24/2019 5:25:00 PM
1,3-butadiene	< 0.33	0.33		ug/m3	1	7/24/2019 5:25:00 PM
1,3-Dichlorobenzene	< 0.90	0.90		ug/m3	1	7/24/2019 5:25:00 PM
1,4-Dichlorobenzene	< 0.90	0.90		ug/m3	1	7/24/2019 5:25:00 PM
1,4-Dioxane	< 1.1	1.1		ug/m3	1	7/24/2019 5:25:00 PM
2,2,4-trimethylpentane	3.2	0.70		ug/m3	1	7/24/2019 5:25:00 PM
4-ethyltoluene	1.1	0.74		ug/m3	1	7/24/2019 5:25:00 PM
Acetone	27	7.1		ug/m3	10	7/25/2019 6:15:00 AM
Allyl chloride	< 0.47	0.47		ug/m3	1	7/24/2019 5:25:00 PM
Benzene	2.1	0.48		ug/m3	1	7/24/2019 5:25:00 PM
Benzyl chloride	< 0.86	0.86		ug/m3	1	7/24/2019 5:25:00 PM
Bromodichloromethane	< 1.0	1.0		ug/m3	1	7/24/2019 5:25:00 PM
Bromoform	< 1.6	1.6		ug/m3	1	7/24/2019 5:25:00 PM
Bromomethane	< 0.58	0.58		ug/m3	1	7/24/2019 5:25:00 PM
Carbon disulfide	< 0.47	0.47		ug/m3	1	7/24/2019 5:25:00 PM
Carbon tetrachloride	0.63	0.19		ug/m3	1	7/24/2019 5:25:00 PM
Chlorobenzene	< 0.69	0.69		ug/m3	1	7/24/2019 5:25:00 PM
Chloroethane	< 0.40	0.40		ug/m3	1	7/24/2019 5:25:00 PM
Chloroform	4.0	0.73		ug/m3	1	7/24/2019 5:25:00 PM
Chloromethane	1.6	0.31		ug/m3	1	7/24/2019 5:25:00 PM
cis-1,2-Dichloroethene	< 0.16	0.16		ug/m3	1	7/24/2019 5:25:00 PM
cis-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	7/24/2019 5:25:00 PM
Cyclohexane	1.5	0.52		ug/m3	1	7/24/2019 5:25:00 PM
Dibromochloromethane	< 1.3	1.3		ug/m3	1	7/24/2019 5:25:00 PM
Ethyl acetate	1.1	0.54		ug/m3	1	7/24/2019 5:25:00 PM
Ethylbenzene	1.6	0.65		ug/m3	1	7/24/2019 5:25:00 PM
Freon 11	1.7	0.84		ug/m3	1	7/24/2019 5:25:00 PM
Freon 113	< 1.1	1.1		ug/m3	1	7/24/2019 5:25:00 PM
Freon 114	< 1.0	1.0		ug/m3	1	7/24/2019 5:25:00 PM

Qualifiers:

**	Quantitation Limit
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

Centek Laboratories, LLC

Date: *30-Aug-19*

CLIENT:	LaBella Associates, P.C.	**Client Sample ID:**	113-1
Lab Order:	C1907049	**Tag Number:**	130,255
Project:	113-117 Clinton North	**Collection Date:**	7/17/2019
Lab ID:	C1907049-001A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		**TO-15**				Analyst: **RJP**
Freon 12	< 0.74	0.74		ug/m3	1	7/24/2019 5:25:00 PM
Heptane	2.3	0.61		ug/m3	1	7/24/2019 5:25:00 PM
Hexachloro-1,3-butadiene	< 1.6	1.6		ug/m3	1	7/24/2019 5:25:00 PM
Hexane	4.8	0.53		ug/m3	1	7/24/2019 5:25:00 PM
Isopropyl alcohol	58	3.7		ug/m3	10	7/25/2019 6:15:00 AM
m&p-Xylene	5.7	1.3		ug/m3	1	7/24/2019 5:25:00 PM
Methyl Butyl Ketone	< 1.2	1.2		ug/m3	1	7/24/2019 5:25:00 PM
Methyl Ethyl Ketone	5.0	0.88		ug/m3	1	7/24/2019 5:25:00 PM
Methyl Isobutyl Ketone	< 1.2	1.2		ug/m3	1	7/24/2019 5:25:00 PM
Methyl tert-butyl ether	< 0.54	0.54		ug/m3	1	7/24/2019 5:25:00 PM
Methylene chloride	1.7	0.52		ug/m3	1	7/24/2019 5:25:00 PM
o-Xylene	2.0	0.65		ug/m3	1	7/24/2019 5:25:00 PM
Propylene	< 0.26	0.26		ug/m3	1	7/24/2019 5:25:00 PM
Styrene	1.2	0.64		ug/m3	1	7/24/2019 5:25:00 PM
Tetrachloroethylene	16	10		ug/m3	10	7/25/2019 6:15:00 AM
Tetrahydrofuran	< 0.44	0.44		ug/m3	1	7/24/2019 5:25:00 PM
Toluene	6.7	0.57		ug/m3	1	7/24/2019 5:25:00 PM
trans-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	7/24/2019 5:25:00 PM
trans-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	7/24/2019 5:25:00 PM
Trichloroethene	0.38	0.16		ug/m3	1	7/24/2019 5:25:00 PM
Vinyl acetate	< 0.53	0.53		ug/m3	1	7/24/2019 5:25:00 PM
Vinyl Bromide	< 0.66	0.66		ug/m3	1	7/24/2019 5:25:00 PM
Vinyl chloride	< 0.10	0.10		ug/m3	1	7/24/2019 5:25:00 PM

Qualifiers:

**	Quantitation Limit	.	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		

Centek Laboratories, LLC

Date: *30-Aug-19*

CLIENT:	LaBella Associates, P.C.	**Client Sample ID:**	113-2
Lab Order:	C1907049	**Tag Number:**	316,337
Project:	113-117 Clinton North	**Collection Date:**	7/17/2019
Lab ID:	C1907049-002A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		FLD				Analyst:
Lab Vacuum In	-3			"Hg		7/22/2019
Lab Vacuum Out	-30			"Hg		7/22/2019
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		TO-15				Analyst: RJP
1,1,1-Trichloroethane	< 0.15	0.15		ppbV	1	7/24/2019 6:10:00 PM
1,1,2,2-Tetrachloroethane	< 0.15	0.15		ppbV	1	7/24/2019 6:10:00 PM
1,1,2-Trichloroethane	< 0.15	0.15		ppbV	1	7/24/2019 6:10:00 PM
1,1-Dichloroethane	< 0.15	0.15		ppbV	1	7/24/2019 6:10:00 PM
1,1-Dichloroethene	< 0.040	0.040		ppbV	1	7/24/2019 6:10:00 PM
1,2,4-Trichlorobenzene	< 0.15	0.15		ppbV	1	7/24/2019 6:10:00 PM
1,2,4-Trimethylbenzene	0.84	0.15		ppbV	1	7/24/2019 6:10:00 PM
1,2-Dibromoethane	< 0.15	0.15		ppbV	1	7/24/2019 6:10:00 PM
1,2-Dichlorobenzene	< 0.15	0.15		ppbV	1	7/24/2019 6:10:00 PM
1,2-Dichloroethane	< 0.15	0.15		ppbV	1	7/24/2019 6:10:00 PM
1,2-Dichloropropane	< 0.15	0.15		ppbV	1	7/24/2019 6:10:00 PM
1,3,5-Trimethylbenzene	0.52	0.15		ppbV	1	7/24/2019 6:10:00 PM
1,3-butadiene	< 0.15	0.15		ppbV	1	7/24/2019 6:10:00 PM
1,3-Dichlorobenzene	< 0.15	0.15		ppbV	1	7/24/2019 6:10:00 PM
1,4-Dichlorobenzene	< 0.15	0.15		ppbV	1	7/24/2019 6:10:00 PM
1,4-Dioxane	< 0.30	0.30		ppbV	1	7/24/2019 6:10:00 PM
2,2,4-trimethylpentane	0.68	0.15		ppbV	1	7/24/2019 6:10:00 PM
4-ethyltoluene	0.19	0.15		ppbV	1	7/24/2019 6:10:00 PM
Acetone	14	3.0		ppbV	10	7/25/2019 6:59:00 AM
Allyl chloride	< 0.15	0.15		ppbV	1	7/24/2019 6:10:00 PM
Benzene	0.65	0.15		ppbV	1	7/24/2019 6:10:00 PM
Benzyl chloride	< 0.15	0.15		ppbV	1	7/24/2019 6:10:00 PM
Bromodichloromethane	< 0.15	0.15		ppbV	1	7/24/2019 6:10:00 PM
Bromoform	< 0.15	0.15		ppbV	1	7/24/2019 6:10:00 PM
Bromomethane	< 0.15	0.15		ppbV	1	7/24/2019 6:10:00 PM
Carbon disulfide	< 0.15	0.15		ppbV	1	7/24/2019 6:10:00 PM
Carbon tetrachloride	0.090	0.030		ppbV	1	7/24/2019 6:10:00 PM
Chlorobenzene	< 0.15	0.15		ppbV	1	7/24/2019 6:10:00 PM
Chloroethane	< 0.15	0.15		ppbV	1	7/24/2019 6:10:00 PM
Chloroform	0.82	0.15		ppbV	1	7/24/2019 6:10:00 PM
Chloromethane	0.81	0.15		ppbV	1	7/24/2019 6:10:00 PM
cis-1,2-Dichloroethene	< 0.040	0.040		ppbV	1	7/24/2019 6:10:00 PM
cis-1,3-Dichloropropene	< 0.15	0.15		ppbV	1	7/24/2019 6:10:00 PM
Cyclohexane	0.40	0.15		ppbV	1	7/24/2019 6:10:00 PM
Dibromochloromethane	< 0.15	0.15		ppbV	1	7/24/2019 6:10:00 PM
Ethyl acetate	0.45	0.15		ppbV	1	7/24/2019 6:10:00 PM

Qualifiers:

**	Quantitation Limit	.	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		

Centek Laboratories, LLC

Date: *30-Aug-19*

CLIENT:	LaBella Associates, P.C.	**Client Sample ID:**	113-2
Lab Order:	C1907049	**Tag Number:**	316,337
Project:	113-117 Clinton North	**Collection Date:**	7/17/2019
Lab ID:	C1907049-002A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		**TO-15**				Analyst: **RJP**
Ethylbenzene	0.39	0.15		ppbV	1	7/24/2019 6:10:00 PM
Freon 11	0.27	0.15		ppbV	1	7/24/2019 6:10:00 PM
Freon 113	< 0.15	0.15		ppbV	1	7/24/2019 6:10:00 PM
Freon 114	< 0.15	0.15		ppbV	1	7/24/2019 6:10:00 PM
Freon 12	< 0.15	0.15		ppbV	1	7/24/2019 6:10:00 PM
Heptane	0.51	0.15		ppbV	1	7/24/2019 6:10:00 PM
Hexachloro-1,3-butadiene	< 0.15	0.15		ppbV	1	7/24/2019 6:10:00 PM
Hexane	1.4	0.15		ppbV	1	7/24/2019 6:10:00 PM
Isopropyl alcohol	23	1.5		ppbV	10	7/25/2019 6:59:00 AM
m&p-Xylene	1.5	0.30		ppbV	1	7/24/2019 6:10:00 PM
Methyl Butyl Ketone	< 0.30	0.30		ppbV	1	7/24/2019 6:10:00 PM
Methyl Ethyl Ketone	1.7	0.30		ppbV	1	7/24/2019 6:10:00 PM
Methyl Isobutyl Ketone	< 0.30	0.30		ppbV	1	7/24/2019 6:10:00 PM
Methyl tert-butyl ether	< 0.15	0.15		ppbV	1	7/24/2019 6:10:00 PM
Methylene chloride	0.50	0.15		ppbV	1	7/24/2019 6:10:00 PM
o-Xylene	0.51	0.15		ppbV	1	7/24/2019 6:10:00 PM
Propylene	< 0.15	0.15		ppbV	1	7/24/2019 6:10:00 PM
Styrene	0.29	0.15		ppbV	1	7/24/2019 6:10:00 PM
Tetrachloroethylene	2.5	1.5		ppbV	10	7/25/2019 6:59:00 AM
Tetrahydrofuran	< 0.15	0.15		ppbV	1	7/24/2019 6:10:00 PM
Toluene	2.0	1.5		ppbV	10	7/25/2019 6:59:00 AM
trans-1,2-Dichloroethene	< 0.15	0.15		ppbV	1	7/24/2019 6:10:00 PM
trans-1,3-Dichloropropene	< 0.15	0.15		ppbV	1	7/24/2019 6:10:00 PM
Trichloroethene	< 0.030	0.030		ppbV	1	7/24/2019 6:10:00 PM
Vinyl acetate	< 0.15	0.15		ppbV	1	7/24/2019 6:10:00 PM
Vinyl Bromide	< 0.15	0.15		ppbV	1	7/24/2019 6:10:00 PM
Vinyl chloride	< 0.040	0.040		ppbV	1	7/24/2019 6:10:00 PM
Surr: Bromofluorobenzene	108	70-130		%REC	1	7/24/2019 6:10:00 PM

Qualifiers:

**	Quantitation Limit	.	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		

Centek Laboratories, LLC

Date: *30-Aug-19*

CLIENT:	LaBella Associates, P.C.	**Client Sample ID:**	113-2
Lab Order:	C1907049	**Tag Number:**	316,337
Project:	113-117 Clinton North	**Collection Date:**	7/17/2019
Lab ID:	C1907049-002A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		**TO-15**				**Analyst: RJP**
1,1,1-Trichloroethane	< 0.82	0.82		ug/m3	1	7/24/2019 6:10:00 PM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		ug/m3	1	7/24/2019 6:10:00 PM
1,1,2-Trichloroethane	< 0.82	0.82		ug/m3	1	7/24/2019 6:10:00 PM
1,1-Dichloroethane	< 0.61	0.61		ug/m3	1	7/24/2019 6:10:00 PM
1,1-Dichloroethene	< 0.16	0.16		ug/m3	1	7/24/2019 6:10:00 PM
1,2,4-Trichlorobenzene	< 1.1	1.1		ug/m3	1	7/24/2019 6:10:00 PM
1,2,4-Trimethylbenzene	4.1	0.74		ug/m3	1	7/24/2019 6:10:00 PM
1,2-Dibromoethane	< 1.2	1.2		ug/m3	1	7/24/2019 6:10:00 PM
1,2-Dichlorobenzene	< 0.90	0.90		ug/m3	1	7/24/2019 6:10:00 PM
1,2-Dichloroethane	< 0.61	0.61		ug/m3	1	7/24/2019 6:10:00 PM
1,2-Dichloropropane	< 0.69	0.69		ug/m3	1	7/24/2019 6:10:00 PM
1,3,5-Trimethylbenzene	2.6	0.74		ug/m3	1	7/24/2019 6:10:00 PM
1,3-butadiene	< 0.33	0.33		ug/m3	1	7/24/2019 6:10:00 PM
1,3-Dichlorobenzene	< 0.90	0.90		ug/m3	1	7/24/2019 6:10:00 PM
1,4-Dichlorobenzene	< 0.90	0.90		ug/m3	1	7/24/2019 6:10:00 PM
1,4-Dioxane	< 1.1	1.1		ug/m3	1	7/24/2019 6:10:00 PM
2,2,4-trimethylpentane	3.2	0.70		ug/m3	1	7/24/2019 6:10:00 PM
4-ethyltoluene	0.93	0.74		ug/m3	1	7/24/2019 6:10:00 PM
Acetone	34	7.1		ug/m3	10	7/25/2019 6:59:00 AM
Allyl chloride	< 0.47	0.47		ug/m3	1	7/24/2019 6:10:00 PM
Benzene	2.1	0.48		ug/m3	1	7/24/2019 6:10:00 PM
Benzyl chloride	< 0.86	0.86		ug/m3	1	7/24/2019 6:10:00 PM
Bromodichloromethane	< 1.0	1.0		ug/m3	1	7/24/2019 6:10:00 PM
Bromoform	< 1.6	1.6		ug/m3	1	7/24/2019 6:10:00 PM
Bromomethane	< 0.58	0.58		ug/m3	1	7/24/2019 6:10:00 PM
Carbon disulfide	< 0.47	0.47		ug/m3	1	7/24/2019 6:10:00 PM
Carbon tetrachloride	0.57	0.19		ug/m3	1	7/24/2019 6:10:00 PM
Chlorobenzene	< 0.69	0.69		ug/m3	1	7/24/2019 6:10:00 PM
Chloroethane	< 0.40	0.40		ug/m3	1	7/24/2019 6:10:00 PM
Chloroform	4.0	0.73		ug/m3	1	7/24/2019 6:10:00 PM
Chloromethane	1.7	0.31		ug/m3	1	7/24/2019 6:10:00 PM
cis-1,2-Dichloroethene	< 0.16	0.16		ug/m3	1	7/24/2019 6:10:00 PM
cis-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	7/24/2019 6:10:00 PM
Cyclohexane	1.4	0.52		ug/m3	1	7/24/2019 6:10:00 PM
Dibromochloromethane	< 1.3	1.3		ug/m3	1	7/24/2019 6:10:00 PM
Ethyl acetate	1.6	0.54		ug/m3	1	7/24/2019 6:10:00 PM
Ethylbenzene	1.7	0.65		ug/m3	1	7/24/2019 6:10:00 PM
Freon 11	1.5	0.84		ug/m3	1	7/24/2019 6:10:00 PM
Freon 113	< 1.1	1.1		ug/m3	1	7/24/2019 6:10:00 PM
Freon 114	< 1.0	1.0		ug/m3	1	7/24/2019 6:10:00 PM

Qualifiers:

**	Quantitation Limit	.	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		

Centek Laboratories, LLC

Date: *30-Aug-19*

CLIENT:	LaBella Associates, P.C.	**Client Sample ID:**	113-2
Lab Order:	C1907049	**Tag Number:**	316,337
Project:	113-117 Clinton North	**Collection Date:**	7/17/2019
Lab ID:	C1907049-002A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		**TO-15**				Analyst: **RJP**
Freon 12	< 0.74	0.74		ug/m3	1	7/24/2019 6:10:00 PM
Heptane	2.1	0.61		ug/m3	1	7/24/2019 6:10:00 PM
Hexachloro-1,3-butadiene	< 1.6	1.6		ug/m3	1	7/24/2019 6:10:00 PM
Hexane	4.8	0.53		ug/m3	1	7/24/2019 6:10:00 PM
Isopropyl alcohol	56	3.7		ug/m3	10	7/25/2019 6:59:00 AM
m&p-Xylene	6.4	1.3		ug/m3	1	7/24/2019 6:10:00 PM
Methyl Butyl Ketone	< 1.2	1.2		ug/m3	1	7/24/2019 6:10:00 PM
Methyl Ethyl Ketone	5.0	0.88		ug/m3	1	7/24/2019 6:10:00 PM
Methyl Isobutyl Ketone	< 1.2	1.2		ug/m3	1	7/24/2019 6:10:00 PM
Methyl tert-butyl ether	< 0.54	0.54		ug/m3	1	7/24/2019 6:10:00 PM
Methylene chloride	1.7	0.52		ug/m3	1	7/24/2019 6:10:00 PM
o-Xylene	2.2	0.65		ug/m3	1	7/24/2019 6:10:00 PM
Propylene	< 0.26	0.26		ug/m3	1	7/24/2019 6:10:00 PM
Styrene	1.2	0.64		ug/m3	1	7/24/2019 6:10:00 PM
Tetrachloroethylene	17	10		ug/m3	10	7/25/2019 6:59:00 AM
Tetrahydrofuran	< 0.44	0.44		ug/m3	1	7/24/2019 6:10:00 PM
Toluene	7.5	5.7		ug/m3	10	7/25/2019 6:59:00 AM
trans-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	7/24/2019 6:10:00 PM
trans-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	7/24/2019 6:10:00 PM
Trichloroethene	< 0.16	0.16		ug/m3	1	7/24/2019 6:10:00 PM
Vinyl acetate	< 0.53	0.53		ug/m3	1	7/24/2019 6:10:00 PM
Vinyl Bromide	< 0.66	0.66		ug/m3	1	7/24/2019 6:10:00 PM
Vinyl chloride	< 0.10	0.10		ug/m3	1	7/24/2019 6:10:00 PM

Qualifiers:

**	Quantitation Limit	.	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		

Centek Laboratories, LLC

Date: *30-Aug-19*

CLIENT:	LaBella Associates, P.C.	**Client Sample ID:**	113-3
Lab Order:	C1907049	**Tag Number:**	133,253
Project:	113-117 Clinton North	**Collection Date:**	7/17/2019
Lab ID:	C1907049-003A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		FLD				Analyst:
Lab Vacuum In	-3			"Hg		7/22/2019
Lab Vacuum Out	-30			"Hg		7/22/2019
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		TO-15				Analyst: RJP
1,1,1-Trichloroethane	< 0.15	0.15		ppbV	1	7/24/2019 6:55:00 PM
1,1,2,2-Tetrachloroethane	< 0.15	0.15		ppbV	1	7/24/2019 6:55:00 PM
1,1,2-Trichloroethane	< 0.15	0.15		ppbV	1	7/24/2019 6:55:00 PM
1,1-Dichloroethane	< 0.15	0.15		ppbV	1	7/24/2019 6:55:00 PM
1,1-Dichloroethene	< 0.040	0.040		ppbV	1	7/24/2019 6:55:00 PM
1,2,4-Trichlorobenzene	< 0.15	0.15		ppbV	1	7/24/2019 6:55:00 PM
1,2,4-Trimethylbenzene	0.90	0.15		ppbV	1	7/24/2019 6:55:00 PM
1,2-Dibromoethane	< 0.15	0.15		ppbV	1	7/24/2019 6:55:00 PM
1,2-Dichlorobenzene	< 0.15	0.15		ppbV	1	7/24/2019 6:55:00 PM
1,2-Dichloroethane	< 0.15	0.15		ppbV	1	7/24/2019 6:55:00 PM
1,2-Dichloropropane	< 0.15	0.15		ppbV	1	7/24/2019 6:55:00 PM
1,3,5-Trimethylbenzene	0.71	0.15		ppbV	1	7/24/2019 6:55:00 PM
1,3-butadiene	< 0.15	0.15		ppbV	1	7/24/2019 6:55:00 PM
1,3-Dichlorobenzene	< 0.15	0.15		ppbV	1	7/24/2019 6:55:00 PM
1,4-Dichlorobenzene	< 0.15	0.15		ppbV	1	7/24/2019 6:55:00 PM
1,4-Dioxane	< 0.30	0.30		ppbV	1	7/24/2019 6:55:00 PM
2,2,4-trimethylpentane	0.70	0.15		ppbV	1	7/24/2019 6:55:00 PM
4-ethyltoluene	0.21	0.15		ppbV	1	7/24/2019 6:55:00 PM
Acetone	10	3.0		ppbV	10	7/25/2019 7:43:00 AM
Allyl chloride	< 0.15	0.15		ppbV	1	7/24/2019 6:55:00 PM
Benzene	0.65	0.15		ppbV	1	7/24/2019 6:55:00 PM
Benzyl chloride	< 0.15	0.15		ppbV	1	7/24/2019 6:55:00 PM
Bromodichloromethane	< 0.15	0.15		ppbV	1	7/24/2019 6:55:00 PM
Bromoform	< 0.15	0.15		ppbV	1	7/24/2019 6:55:00 PM
Bromomethane	< 0.15	0.15		ppbV	1	7/24/2019 6:55:00 PM
Carbon disulfide	0.11	0.15	J	ppbV	1	7/24/2019 6:55:00 PM
Carbon tetrachloride	0.10	0.030		ppbV	1	7/24/2019 6:55:00 PM
Chlorobenzene	< 0.15	0.15		ppbV	1	7/24/2019 6:55:00 PM
Chloroethane	< 0.15	0.15		ppbV	1	7/24/2019 6:55:00 PM
Chloroform	0.89	0.15		ppbV	1	7/24/2019 6:55:00 PM
Chloromethane	0.91	0.15		ppbV	1	7/24/2019 6:55:00 PM
cis-1,2-Dichloroethene	< 0.040	0.040		ppbV	1	7/24/2019 6:55:00 PM
cis-1,3-Dichloropropene	< 0.15	0.15		ppbV	1	7/24/2019 6:55:00 PM
Cyclohexane	0.42	0.15		ppbV	1	7/24/2019 6:55:00 PM
Dibromochloromethane	< 0.15	0.15		ppbV	1	7/24/2019 6:55:00 PM
Ethyl acetate	0.27	0.15		ppbV	1	7/24/2019 6:55:00 PM

Qualifiers:

**	Quantitation Limit
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

Centek Laboratories, LLC

Date: *30-Aug-19*

CLIENT:	LaBella Associates, P.C.	**Client Sample ID:**	113-3
Lab Order:	C1907049	**Tag Number:**	133,253
Project:	113-117 Clinton North	**Collection Date:**	7/17/2019
Lab ID:	C1907049-003A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		**TO-15**				Analyst: **RJP**
Ethylbenzene	0.38	0.15		ppbV	1	7/24/2019 6:55:00 PM
Freon 11	0.28	0.15		ppbV	1	7/24/2019 6:55:00 PM
Freon 113	< 0.15	0.15		ppbV	1	7/24/2019 6:55:00 PM
Freon 114	< 0.15	0.15		ppbV	1	7/24/2019 6:55:00 PM
Freon 12	< 0.15	0.15		ppbV	1	7/24/2019 6:55:00 PM
Heptane	0.54	0.15		ppbV	1	7/24/2019 6:55:00 PM
Hexachloro-1,3-butadiene	< 0.15	0.15		ppbV	1	7/24/2019 6:55:00 PM
Hexane	1.4	0.15		ppbV	1	7/24/2019 6:55:00 PM
Isopropyl alcohol	21	1.5		ppbV	10	7/25/2019 7:43:00 AM
m&p-Xylene	1.4	0.30		ppbV	1	7/24/2019 6:55:00 PM
Methyl Butyl Ketone	< 0.30	0.30		ppbV	1	7/24/2019 6:55:00 PM
Methyl Ethyl Ketone	1.7	0.30		ppbV	1	7/24/2019 6:55:00 PM
Methyl Isobutyl Ketone	< 0.30	0.30		ppbV	1	7/24/2019 6:55:00 PM
Methyl tert-butyl ether	< 0.15	0.15		ppbV	1	7/24/2019 6:55:00 PM
Methylene chloride	0.44	0.15		ppbV	1	7/24/2019 6:55:00 PM
o-Xylene	0.51	0.15		ppbV	1	7/24/2019 6:55:00 PM
Propylene	< 0.15	0.15		ppbV	1	7/24/2019 6:55:00 PM
Styrene	0.28	0.15		ppbV	1	7/24/2019 6:55:00 PM
Tetrachloroethylene	2.0	0.15		ppbV	1	7/24/2019 6:55:00 PM
Tetrahydrofuran	< 0.15	0.15		ppbV	1	7/24/2019 6:55:00 PM
Toluene	2.2	0.15		ppbV	1	7/24/2019 6:55:00 PM
trans-1,2-Dichloroethene	< 0.15	0.15		ppbV	1	7/24/2019 6:55:00 PM
trans-1,3-Dichloropropene	< 0.15	0.15		ppbV	1	7/24/2019 6:55:00 PM
Trichloroethene	< 0.030	0.030		ppbV	1	7/24/2019 6:55:00 PM
Vinyl acetate	< 0.15	0.15		ppbV	1	7/24/2019 6:55:00 PM
Vinyl Bromide	< 0.15	0.15		ppbV	1	7/24/2019 6:55:00 PM
Vinyl chloride	< 0.040	0.040		ppbV	1	7/24/2019 6:55:00 PM
Surr: Bromofluorobenzene	112	70-130		%REC	1	7/24/2019 6:55:00 PM

Qualifiers:

**	Quantitation Limit
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

Centek Laboratories, LLC

Date: *30-Aug-19*

CLIENT: LaBella Associates, P.C.
Lab Order: C1907049
Project: 113-117 Clinton North
Lab ID: C1907049-003A

Client Sample ID: 113-3
Tag Number: 133,253
Collection Date: 7/17/2019
Matrix: AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	< 0.82	0.82		ug/m3	1	7/24/2019 6:55:00 PM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		ug/m3	1	7/24/2019 6:55:00 PM
1,1,2-Trichloroethane	< 0.82	0.82		ug/m3	1	7/24/2019 6:55:00 PM
1,1-Dichloroethane	< 0.61	0.61		ug/m3	1	7/24/2019 6:55:00 PM
1,1-Dichloroethene	< 0.16	0.16		ug/m3	1	7/24/2019 6:55:00 PM
1,2,4-Trichlorobenzene	< 1.1	1.1		ug/m3	1	7/24/2019 6:55:00 PM
1,2,4-Trimethylbenzene	4.4	0.74		ug/m3	1	7/24/2019 6:55:00 PM
1,2-Dibromoethane	< 1.2	1.2		ug/m3	1	7/24/2019 6:55:00 PM
1,2-Dichlorobenzene	< 0.90	0.90		ug/m3	1	7/24/2019 6:55:00 PM
1,2-Dichloroethane	< 0.61	0.61		ug/m3	1	7/24/2019 6:55:00 PM
1,2-Dichloropropane	< 0.69	0.69		ug/m3	1	7/24/2019 6:55:00 PM
1,3,5-Trimethylbenzene	3.5	0.74		ug/m3	1	7/24/2019 6:55:00 PM
1,3-butadiene	< 0.33	0.33		ug/m3	1	7/24/2019 6:55:00 PM
1,3-Dichlorobenzene	< 0.90	0.90		ug/m3	1	7/24/2019 6:55:00 PM
1,4-Dichlorobenzene	< 0.90	0.90		ug/m3	1	7/24/2019 6:55:00 PM
1,4-Dioxane	< 1.1	1.1		ug/m3	1	7/24/2019 6:55:00 PM
2,2,4-trimethylpentane	3.3	0.70		ug/m3	1	7/24/2019 6:55:00 PM
4-ethyltoluene	1.0	0.74		ug/m3	1	7/24/2019 6:55:00 PM
Acetone	25	7.1		ug/m3	10	7/25/2019 7:43:00 AM
Allyl chloride	< 0.47	0.47		ug/m3	1	7/24/2019 6:55:00 PM
Benzene	2.1	0.48		ug/m3	1	7/24/2019 6:55:00 PM
Benzyl chloride	< 0.86	0.86		ug/m3	1	7/24/2019 6:55:00 PM
Bromodichloromethane	< 1.0	1.0		ug/m3	1	7/24/2019 6:55:00 PM
Bromoform	< 1.6	1.6		ug/m3	1	7/24/2019 6:55:00 PM
Bromomethane	< 0.58	0.58		ug/m3	1	7/24/2019 6:55:00 PM
Carbon disulfide	0.34	0.47	J	ug/m3	1	7/24/2019 6:55:00 PM
Carbon tetrachloride	0.63	0.19		ug/m3	1	7/24/2019 6:55:00 PM
Chlorobenzene	< 0.69	0.69		ug/m3	1	7/24/2019 6:55:00 PM
Chloroethane	< 0.40	0.40		ug/m3	1	7/24/2019 6:55:00 PM
Chloroform	4.3	0.73		ug/m3	1	7/24/2019 6:55:00 PM
Chloromethane	1.9	0.31		ug/m3	1	7/24/2019 6:55:00 PM
cis-1,2-Dichloroethene	< 0.16	0.16		ug/m3	1	7/24/2019 6:55:00 PM
cis-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	7/24/2019 6:55:00 PM
Cyclohexane	1.4	0.52		ug/m3	1	7/24/2019 6:55:00 PM
Dibromochloromethane	< 1.3	1.3		ug/m3	1	7/24/2019 6:55:00 PM
Ethyl acetate	0.97	0.54		ug/m3	1	7/24/2019 6:55:00 PM
Ethylbenzene	1.6	0.65		ug/m3	1	7/24/2019 6:55:00 PM
Freon 11	1.6	0.84		ug/m3	1	7/24/2019 6:55:00 PM
Freon 113	< 1.1	1.1		ug/m3	1	7/24/2019 6:55:00 PM
Freon 114	< 1.0	1.0		ug/m3	1	7/24/2019 6:55:00 PM

Qualifiers:

**	Quantitation Limit
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

Centek Laboratories, LLC

Date: *30-Aug-19*

CLIENT: LaBella Associates, P.C.
Lab Order: C1907049
Project: 113-117 Clinton North
Lab ID: C1907049-003A

Client Sample ID: 113-3
Tag Number: 133,253
Collection Date: 7/17/2019
Matrix: AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		**TO-15**				Analyst: **RJP**
Freon 12	< 0.74	0.74		ug/m3	1	7/24/2019 6:55:00 PM
Heptane	2.2	0.61		ug/m3	1	7/24/2019 6:55:00 PM
Hexachloro-1,3-butadiene	< 1.6	1.6		ug/m3	1	7/24/2019 6:55:00 PM
Hexane	5.0	0.53		ug/m3	1	7/24/2019 6:55:00 PM
Isopropyl alcohol	52	3.7		ug/m3	10	7/25/2019 7:43:00 AM
m&p-Xylene	6.1	1.3		ug/m3	1	7/24/2019 6:55:00 PM
Methyl Butyl Ketone	< 1.2	1.2		ug/m3	1	7/24/2019 6:55:00 PM
Methyl Ethyl Ketone	4.9	0.88		ug/m3	1	7/24/2019 6:55:00 PM
Methyl Isobutyl Ketone	< 1.2	1.2		ug/m3	1	7/24/2019 6:55:00 PM
Methyl tert-butyl ether	< 0.54	0.54		ug/m3	1	7/24/2019 6:55:00 PM
Methylene chloride	1.5	0.52		ug/m3	1	7/24/2019 6:55:00 PM
o-Xylene	2.2	0.65		ug/m3	1	7/24/2019 6:55:00 PM
Propylene	< 0.26	0.26		ug/m3	1	7/24/2019 6:55:00 PM
Styrene	1.2	0.64		ug/m3	1	7/24/2019 6:55:00 PM
Tetrachloroethylene	13	1.0		ug/m3	1	7/24/2019 6:55:00 PM
Tetrahydrofuran	< 0.44	0.44		ug/m3	1	7/24/2019 6:55:00 PM
Toluene	8.2	0.57		ug/m3	1	7/24/2019 6:55:00 PM
trans-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	7/24/2019 6:55:00 PM
trans-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	7/24/2019 6:55:00 PM
Trichloroethene	< 0.16	0.16		ug/m3	1	7/24/2019 6:55:00 PM
Vinyl acetate	< 0.53	0.53		ug/m3	1	7/24/2019 6:55:00 PM
Vinyl Bromide	< 0.66	0.66		ug/m3	1	7/24/2019 6:55:00 PM
Vinyl chloride	< 0.10	0.10		ug/m3	1	7/24/2019 6:55:00 PM

Qualifiers:

**	Quantitation Limit
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

GC/MS VOLATILES-WHOLE AIR

METHOD TO-15

QUALITY CONTROL SUMMARY

GC/MS QA-QC Check Report

Tune File : C:\HPCHEM\1\DATA2\AQ072402.D
Tune Time : 24 Jul 2019 12:19 pm

Daily Calibration File : C:\HPCHEM\1\DATA2\AQ072402.D

File	Sample	DL	(BFB) Surrogate Recovery %	(IS1) 34258	(IS2) 123105	(IS3) 110753
				Internal Standard Responses		
AQ072403.D	ALCS1UG-072419	118		38184	135768	123217
AQ072404.D	AMB1UG-072419	90		34770	127883	108499
AQ072406.D	C1907049-001A	101		39415	141397	156186
AQ072407.D	C1907049-002A	108		40721	149535	137494
AQ072408.D	C1907049-003A	112		38536	144492	135305
AQ072409.D	C1907049-003A MS	112		40949	145655	138569
AQ072410.D	C1907049-003A MSD	111		39998	146753	137428
AQ072422.D	ALCS1UGD-072419	124		33585	124139	110486
AQ072423.D	C1907049-001A 10X	92		33243	116636	114062
AQ072424.D	C1907049-002A 10X	93		32200	112926	100352
AQ072425.D	C1907049-003A 10X	92		30780	111280	98105

t - fails 24hr time check * - fails criteria

Created: Fri Aug 30 09:27:20 2019 MSD #1/

CENTEK LABORATORIES, LLC

Date: 30-Aug-19

QC SUMMARY REPORT
SURROGATE RECOVERIES

CLIENT: LaBella Associates, P.C.
Work Order: C1907049
Project: 113-117 Clinton North
Test No: TO-15 **Matrix:** A

Sample ID	BR4FBZ							
ALCS1UG-072419	118							
ALCS1UGD-072419	124							
AMB1UG-072419	90.0							
C1907049-001A	101							
C1907049-002A	108							
C1907049-003A	112							
C1907049-003A MS	112							
C1907049-003A MSD	111							

Acronym	Surrogate	QC Limits
BR4FBZ	= Bromofluorobenzene	70-130

*** Surrogate recovery outside acceptance limits**

I

Centek Laboratories, LLC

CENTEK LABORATORIES, LLC

Date: *30-Aug-19*

ANALYTICAL QC SUMMARY REPORT

CLIENT: LaBella Associates, P.C.
Work Order: C1907049
Project: 113-117 Clinton North

TestCode: 0.20_NYS

Sample ID: **ALCS1UG-072419** SampType: **LCS** TestCode: **0.20_NYS** Units: **ppbV** Prep Date: RunNo: **15262**
Client ID: **ZZZZZ** Batch ID: **R15262** TestNo: **TO-15** Analysis Date: **7/24/2019** SeqNo: **174690**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	1.290	0.15	1	0	129	70	130				
1,1,2,2-Tetrachloroethane	0.9900	0.15	1	0	99.0	70	130				
1,1,2-Trichloroethane	1.070	0.15	1	0	107	70	130				
1,1-Dichloroethane	0.8600	0.15	1	0	86.0	70	130				
1,1-Dichloroethene	0.9300	0.040	1	0	93.0	70	130				
1,2,4-Trichlorobenzene	1.220	0.15	1	0	122	70	130				
1,2,4-Trimethylbenzene	1.190	0.15	1	0	119	70	130				
1,2-Dibromoethane	1.030	0.15	1	0	103	70	130				
1,2-Dichlorobenzene	1.230	0.15	1	0	123	70	130				
1,2-Dichloroethane	0.9700	0.15	1	0	97.0	70	130				
1,2-Dichloropropane	0.9700	0.15	1	0	97.0	70	130				
1,3,5-Trimethylbenzene	1.190	0.15	1	0	119	70	130				
1,3-butadiene	0.7800	0.15	1	0	78.0	70	130				
1,3-Dichlorobenzene	1.180	0.15	1	0	118	70	130				
1,4-Dichlorobenzene	1.240	0.15	1	0	124	70	130				
1,4-Dioxane	1.010	0.30	1	0	101	70	130				
2,2,4-trimethylpentane	0.9200	0.15	1	0	92.0	70	130				
4-ethyltoluene	1.180	0.15	1	0	118	70	130				
Acetone	0.7300	0.30	1	0	73.0	70	130				
Allyl chloride	0.7800	0.15	1	0	78.0	70	130				
Benzene	0.9700	0.15	1	0	97.0	70	130				
Benzyl chloride	1.210	0.15	1	0	121	70	130				
Bromodichloromethane	1.140	0.15	1	0	114	70	130				
Bromoform	1.130	0.15	1	0	113	70	130				
Bromomethane	0.7800	0.15	1	0	78.0	70	130				

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

Sample ID: **ALCS1UG-072419** SampType: **LCS** TestCode: **0.20_NYS** Units: **ppbV** Prep Date: RunNo: **15262**
Client ID: **ZZZZZ** Batch ID: **R15262** TestNo: **TO-15** Analysis Date: **7/24/2019** SeqNo: **174690**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Carbon disulfide	0.8400	0.15	1	0	84.0	70	130				
Carbon tetrachloride	1.160	0.030	1	0	116	70	130				
Chlorobenzene	1.020	0.15	1	0	102	70	130				
Chloroethane	0.7400	0.15	1	0	74.0	70	130				
Chloroform	0.9800	0.15	1	0	98.0	70	130				
Chloromethane	0.7200	0.15	1	0	72.0	70	130				
cis-1,2-Dichloroethene	0.8500	0.040	1	0	85.0	70	130				
cis-1,3-Dichloropropene	1.070	0.15	1	0	107	70	130				
Cyclohexane	0.9100	0.15	1	0	91.0	70	130				
Dibromochloromethane	1.080	0.15	1	0	108	70	130				
Ethyl acetate	0.7300	0.15	1	0	73.0	70	130				
Ethylbenzene	1.030	0.15	1	0	103	70	130				
Freon 11	1.020	0.15	1	0	102	70	130				
Freon 113	0.9700	0.15	1	0	97.0	70	130				
Freon 114	0.7900	0.15	1	0	79.0	70	130				
Freon 12	0.9200	0.15	1	0	92.0	70	130				
Heptane	0.8500	0.15	1	0	85.0	70	130				
Hexachloro-1,3-butadiene	1.370	0.15	1	0	137	70	130				S
Hexane	0.8200	0.15	1	0	82.0	70	130				
Isopropyl alcohol	0.7100	0.15	1	0	71.0	70	130				
m&p-Xylene	2.250	0.30	2	0	112	70	130				
Methyl Butyl Ketone	0.7800	0.30	1	0	78.0	70	130				
Methyl Ethyl Ketone	0.7900	0.30	1	0	79.0	70	130				
Methyl Isobutyl Ketone	0.7600	0.30	1	0	76.0	70	130				
Methyl tert-butyl ether	1.010	0.15	1	0	101	70	130				
Methylene chloride	0.8600	0.15	1	0	86.0	70	130				
o-Xylene	1.140	0.15	1	0	114	70	130				
Propylene	0.8200	0.15	1	0	82.0	70	130				
Styrene	1.140	0.15	1	0	114	70	130				
Tetrachloroethylene	1.080	0.15	1	0	108	70	130				
Tetrahydrofuran	0.7700	0.15	1	0	77.0	70	130				

Centek Laboratories, LLC

Sample ID: ALCS1UG-072419 SampType: LCS TestCode: 0.20_NYS Units: ppbV Prep Date: RunNo: 15262
Client ID: ZZZZZ Batch ID: R15262 TestNo: TO-15 Analysis Date: 7/24/2019 SeqNo: 174690

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	0.9000	0.15	1	0	90.0	70	130				
trans-1,2-Dichloroethene	0.8900	0.15	1	0	89.0	70	130				
trans-1,3-Dichloropropene	1.030	0.15	1	0	103	70	130				
Trichloroethene	1.050	0.030	1	0	105	70	130				
Vinyl acetate	0.7600	0.15	1	0	76.0	70	130				
Vinyl Bromide	0.8300	0.15	1	0	83.0	70	130				
Vinyl chloride	0.7500	0.040	1	0	75.0	70	130				

Sample ID: ALCS1UGD-072419 SampType: LCSD TestCode: 0.20_NYS Units: ppbV Prep Date: RunNo: 15262
Client ID: ZZZZZ Batch ID: R15262 TestNo: TO-15 Analysis Date: 7/25/2019 SeqNo: 174691

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	1.280	0.15	1	0	128	70	130	1.29	0.778	30	
1,1,2,2-Tetrachloroethane	1.040	0.15	1	0	104	70	130	0.99	4.93	30	
1,1,2-Trichloroethane	1.110	0.15	1	0	111	70	130	1.07	3.67	30	
1,1-Dichloroethane	0.9100	0.15	1	0	91.0	70	130	0.86	5.65	30	
1,1-Dichloroethene	0.9100	0.040	1	0	91.0	70	130	0.93	2.17	30	
1,2,4-Trichlorobenzene	1.240	0.15	1	0	124	70	130	1.22	1.63	30	
1,2,4-Trimethylbenzene	1.170	0.15	1	0	117	70	130	1.19	1.69	30	
1,2-Dibromoethane	1.040	0.15	1	0	104	70	130	1.03	0.966	30	
1,2-Dichlorobenzene	1.270	0.15	1	0	127	70	130	1.23	3.20	30	
1,2-Dichloroethane	1.010	0.15	1	0	101	70	130	0.97	4.04	30	
1,2-Dichloropropane	0.9800	0.15	1	0	98.0	70	130	0.97	1.03	30	
1,3,5-Trimethylbenzene	1.270	0.15	1	0	127	70	130	1.19	6.50	30	
1,3-butadiene	0.8800	0.15	1	0	88.0	70	130	0.78	12.0	30	
1,3-Dichlorobenzene	1.230	0.15	1	0	123	70	130	1.18	4.15	30	
1,4-Dichlorobenzene	1.270	0.15	1	0	127	70	130	1.24	2.39	30	
1,4-Dioxane	1.060	0.30	1	0	106	70	130	1.01	4.83	30	
2,2,4-trimethylpentane	0.9100	0.15	1	0	91.0	70	130	0.92	1.09	30	
4-ethyltoluene	1.210	0.15	1	0	121	70	130	1.18	2.51	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
H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits

Centek Laboratories, LLC

Sample ID: ALCS1UGD-072419	SampType: LCSD	TestCode: 0.20_NYS	Units: ppbV	Prep Date:	RunNo: 15262
Client ID: ZZZZZ	Batch ID: R15262	TestNo: TO-15		Analysis Date: 7/25/2019	SeqNo: 174691

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acetone	0.8300	0.30	1	0	83.0	70	130	0.73	12.8	30	
Allyl chloride	0.7800	0.15	1	0	78.0	70	130	0.78	0	30	
Benzene	0.9800	0.15	1	0	98.0	70	130	0.97	1.03	30	
Benzyl chloride	1.190	0.15	1	0	119	70	130	1.21	1.67	30	
Bromodichloromethane	1.200	0.15	1	0	120	70	130	1.14	5.13	30	
Bromoform	1.170	0.15	1	0	117	70	130	1.13	3.48	30	
Bromomethane	0.9200	0.15	1	0	92.0	70	130	0.78	16.5	30	
Carbon disulfide	0.9000	0.15	1	0	90.0	70	130	0.84	6.90	30	
Carbon tetrachloride	1.200	0.030	1	0	120	70	130	1.16	3.39	30	
Chlorobenzene	1.040	0.15	1	0	104	70	130	1.02	1.94	30	
Chloroethane	0.8900	0.15	1	0	89.0	70	130	0.74	18.4	30	
Chloroform	1.010	0.15	1	0	101	70	130	0.98	3.02	30	
Chloromethane	0.8400	0.15	1	0	84.0	70	130	0.72	15.4	30	
cis-1,2-Dichloroethene	0.8200	0.040	1	0	82.0	70	130	0.85	3.59	30	
cis-1,3-Dichloropropene	1.090	0.15	1	0	109	70	130	1.07	1.85	30	
Cyclohexane	0.8900	0.15	1	0	89.0	70	130	0.91	2.22	30	
Dibromochloromethane	1.140	0.15	1	0	114	70	130	1.08	5.41	30	
Ethyl acetate	0.7100	0.15	1	0	71.0	70	130	0.73	2.78	30	
Ethylbenzene	1.030	0.15	1	0	103	70	130	1.03	0	30	
Freon 11	1.110	0.15	1	0	111	70	130	1.02	8.45	30	
Freon 113	1.010	0.15	1	0	101	70	130	0.97	4.04	30	
Freon 114	0.9100	0.15	1	0	91.0	70	130	0.79	14.1	30	
Freon 12	0.9600	0.15	1	0	96.0	70	130	0.92	4.26	30	
Heptane	0.8700	0.15	1	0	87.0	70	130	0.85	2.33	30	
Hexachloro-1,3-butadiene	1.440	0.15	1	0	144	70	130	1.37	4.98	30	S
Hexane	0.8000	0.15	1	0	80.0	70	130	0.82	2.47	30	
Isopropyl alcohol	0.7100	0.15	1	0	71.0	70	130	0.71	0	30	
m&p-Xylene	2.330	0.30	2	0	116	70	130	2.25	3.49	30	
Methyl Butyl Ketone	0.8200	0.30	1	0	82.0	70	130	0.78	5.00	30	
Methyl Ethyl Ketone	0.7700	0.30	1	0	77.0	70	130	0.79	2.56	30	
Methyl Isobutyl Ketone	0.7800	0.30	1	0	78.0	70	130	0.76	2.60	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
H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits

Centek Laboratories, LLC

TestCode: 0.20_NYS

Sample ID: **ALCS1UGD-072419** SampType: **LCSD** TestCode: **0.20_NYS** Units: **ppbV** Prep Date: RunNo: **15262**
Client ID: **ZZZZZ** Batch ID: **R15262** TestNo: **TO-15** Analysis Date: **7/25/2019** SeqNo: **174691**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether	0.9200	0.15	1	0	92.0	70	130	1.01	9.33	30	
Methylene chloride	0.9200	0.15	1	0	92.0	70	130	0.86	6.74	30	
o-Xylene	1.190	0.15	1	0	119	70	130	1.14	4.29	30	
Propylene	0.7800	0.15	1	0	78.0	70	130	0.82	5.00	30	
Styrene	1.180	0.15	1	0	118	70	130	1.14	3.45	30	
Tetrachloroethylene	1.110	0.15	1	0	111	70	130	1.08	2.74	30	
Tetrahydrofuran	0.7300	0.15	1	0	73.0	70	130	0.77	5.33	30	
Toluene	0.9200	0.15	1	0	92.0	70	130	0.9	2.20	30	
trans-1,2-Dichloroethene	0.8800	0.15	1	0	88.0	70	130	0.89	1.13	30	
trans-1,3-Dichloropropene	1.030	0.15	1	0	103	70	130	1.03	0	30	
Trichloroethene	1.070	0.030	1	0	107	70	130	1.05	1.89	30	
Vinyl acetate	0.7100	0.15	1	0	71.0	70	130	0.76	6.80	30	
Vinyl Bromide	0.8600	0.15	1	0	86.0	70	130	0.83	3.55	30	
Vinyl chloride	0.8100	0.040	1	0	81.0	70	130	0.75	7.69	30	

Qualifiers:

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

Centek Laboratories, LLC

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CENTEK LABORATORIES, LLC

Date: *30-Aug-19*

ANALYTICAL QC SUMMARY REPORT

CLIENT: LaBella Associates, P.C.
Work Order: C1907049
Project: 113-117 Clinton North

TestCode: 0.20_NYS

Sample ID: **AMB1UG-072419** SampType: **MBLK** TestCode: **0.20_NYS** Units: **ppbV** Prep Date: RunNo: **15262**
Client ID: **ZZZZZ** Batch ID: **R15262** TestNo: **TO-15** Analysis Date: **7/24/2019** SeqNo: **174689**

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				

Sample ID: **AMB1UG-072419** SampType: **MBLK** TestCode: **0.20_NYS** Units: **ppbV** Prep Date: RunNo: **15262**
Client ID: **ZZZZZ** Batch ID: **R15262** TestNo: **TO-15** Analysis Date: **7/24/2019** SeqNo: **174689**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Carbon disulfide	< 0.15	0.15									
Carbon tetrachloride	< 0.030	0.030									
Chlorobenzene	< 0.15	0.15									
Chloroethane	< 0.15	0.15									
Chloroform	< 0.15	0.15									
Chloromethane	< 0.15	0.15									
cis-1,2-Dichloroethene	< 0.040	0.040									
cis-1,3-Dichloropropene	< 0.15	0.15									
Cyclohexane	< 0.15	0.15									
Dibromochloromethane	< 0.15	0.15									
Ethyl acetate	< 0.15	0.15									
Ethylbenzene	< 0.15	0.15									
Freon 11	< 0.15	0.15									
Freon 113	< 0.15	0.15									
Freon 114	< 0.15	0.15									
Freon 12	< 0.15	0.15									
Heptane	< 0.15	0.15									
Hexachloro-1,3-butadiene	< 0.15	0.15									
Hexane	< 0.15	0.15									
Isopropyl alcohol	< 0.15	0.15									
m&p-Xylene	< 0.30	0.30									
Methyl Butyl Ketone	< 0.30	0.30									
Methyl Ethyl Ketone	< 0.30	0.30									
Methyl Isobutyl Ketone	< 0.30	0.30									
Methyl tert-butyl ether	< 0.15	0.15									
Methylene chloride	< 0.15	0.15									
o-Xylene	< 0.15	0.15									
Propylene	< 0.15	0.15									
Styrene	< 0.15	0.15									
Tetrachloroethylene	< 0.15	0.15									
Tetrahydrofuran	< 0.15	0.15									

Centek Laboratories, LLC

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CLIENT: LaBella Associates, P.C.
Work Order: C1907049
Project: 113-117 Clinton North

TestCode: 0.20_NYS

Sample ID: **AMB1UG-072419** SampType: **MBLK** TestCode: **0.20_NYS** Units: **ppbV** Prep Date: RunNo: **15262**
Client ID: **ZZZZZ** Batch ID: **R15262** TestNo: **TO-15** Analysis Date: **7/24/2019** SeqNo: **174689**

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									

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

CENTEK LABORATORIES, LLC

Date: *30-Aug-19*

ANALYTICAL QC SUMMARY REPORT

CLIENT: LaBella Associates, P.C.
Work Order: C1907049
Project: 113-117 Clinton North

TestCode: 0.20_NYS

Sample ID: **C1907049-003A MS** SampType: **MS** TestCode: **0.20_NYS** Units: **ppbV** Prep Date: RunNo: **15262**
Client ID: **113-3** Batch ID: **R15262** TestNo: **TO-15** Analysis Date: **7/24/2019** SeqNo: **174695**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	1.160	0.15	1	0	116	70	130				
1,1,2,2-Tetrachloroethane	0.9300	0.15	1	0	93.0	70	130				
1,1,2-Trichloroethane	1.030	0.15	1	0	103	70	130				
1,1-Dichloroethane	0.8100	0.15	1	0	81.0	70	130				
1,1-Dichloroethene	0.9000	0.040	1	0	90.0	70	130				
1,2,4-Trichlorobenzene	1.970	0.15	1	0	197	70	130				S
1,2,4-Trimethylbenzene	2.350	0.15	1	0.9	145	70	130				S
1,2-Dibromoethane	0.9500	0.15	1	0	95.0	70	130				
1,2-Dichlorobenzene	1.250	0.15	1	0	125	70	130				
1,2-Dichloroethane	0.9200	0.15	1	0	92.0	70	130				
1,2-Dichloropropane	0.9000	0.15	1	0	90.0	70	130				
1,3,5-Trimethylbenzene	1.850	0.15	1	0.71	114	70	130				
1,3-butadiene	18.61	0.15	1	0	1860	70	130				S
1,3-Dichlorobenzene	1.260	0.15	1	0	126	70	130				
1,4-Dichlorobenzene	1.290	0.15	1	0	129	70	130				
1,4-Dioxane	0.9100	0.30	1	0	91.0	70	130				
2,2,4-trimethylpentane	1.600	0.15	1	0.7	90.0	70	130				
4-ethyltoluene	1.510	0.15	1	0.21	130	70	130				
Acetone	8.260	0.30	1	6.35	191	70	130				S
Allyl chloride	0.8300	0.15	1	0	83.0	70	130				
Benzene	1.630	0.15	1	0.65	98.0	70	130				
Benzyl chloride	1.210	0.15	1	0	121	70	130				
Bromodichloromethane	1.110	0.15	1	0	111	70	130				
Bromoform	1.030	0.15	1	0	103	70	130				
Bromomethane	0.8000	0.15	1	0	80.0	70	130				

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

CLIENT: LaBella Associates, P.C.
Work Order: C1907049
Project: 113-117 Clinton North

TestCode: 0.20_NYS

Sample ID: **C1907049-003A MS** SampType: **MS** TestCode: **0.20_NYS** Units: **ppbV** Prep Date: RunNo: **15262**
Client ID: **113-3** Batch ID: **R15262** TestNo: **TO-15** Analysis Date: **7/24/2019** SeqNo: **174695**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Carbon disulfide	0.8400	0.15	1	0.11	73.0	70	130				
Carbon tetrachloride	1.180	0.030	1	0.1	108	70	130				
Chlorobenzene	0.9800	0.15	1	0	98.0	70	130				
Chloroethane	0.7400	0.15	1	0	74.0	70	130				
Chloroform	1.710	0.15	1	0.89	82.0	70	130				
Chloromethane	1.480	0.15	1	0.91	57.0	70	130				S
cis-1,2-Dichloroethene	0.8300	0.040	1	0	83.0	70	130				
cis-1,3-Dichloropropene	1.010	0.15	1	0	101	70	130				
Cyclohexane	1.230	0.15	1	0.42	81.0	70	130				
Dibromochloromethane	0.9900	0.15	1	0	99.0	70	130				
Ethyl acetate	0.8200	0.15	1	0.27	55.0	70	130				S
Ethylbenzene	1.440	0.15	1	0.38	106	70	130				
Freon 11	1.160	0.15	1	0.28	88.0	70	130				
Freon 113	0.9800	0.15	1	0	98.0	70	130				
Freon 114	0.8000	0.15	1	0	80.0	70	130				
Freon 12	1.130	0.15	1	0	113	70	130				
Heptane	1.460	0.15	1	0.54	92.0	70	130				
Hexachloro-1,3-butadiene	1.350	0.15	1	0	135	70	130				S
Hexane	2.080	0.15	1	1.43	65.0	70	130				S
Isopropyl alcohol	20.39	0.15	1	16.78	361	70	130				S
m&p-Xylene	3.600	0.30	2	1.41	110	70	130				
Methyl Butyl Ketone	0.8900	0.30	1	0	89.0	70	130				
Methyl Ethyl Ketone	2.200	0.30	1	1.67	53.0	70	130				S
Methyl Isobutyl Ketone	0.8000	0.30	1	0	80.0	70	130				
Methyl tert-butyl ether	0.9500	0.15	1	0	95.0	70	130				
Methylene chloride	1.240	0.15	1	0.44	80.0	70	130				
o-Xylene	1.560	0.15	1	0.51	105	70	130				
Propylene	7.390	0.15	1	0	739	70	130				S
Styrene	1.380	0.15	1	0.28	110	70	130				
Tetrachloroethylene	3.030	0.15	1	1.99	104	70	130				
Tetrahydrofuran	1.460	0.15	1	0	146	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
H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits

Centek Laboratories, LLC

Sample ID: **C1907049-003A MS** SampType: **MS** TestCode: **0.20_NYS** Units: **ppbV** Prep Date: RunNo: **15262**
Client ID: **113-3** Batch ID: **R15262** TestNo: **TO-15** Analysis Date: **7/24/2019** SeqNo: **174695**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	2.930	0.15	1	2.17	76.0	70	130				
trans-1,2-Dichloroethene	0.8400	0.15	1	0	84.0	70	130				
trans-1,3-Dichloropropene	1.030	0.15	1	0	103	70	130				
Trichloroethene	1.060	0.030	1	0	106	70	130				
Vinyl acetate	0.8900	0.15	1	0	89.0	70	130				
Vinyl Bromide	0.7600	0.15	1	0	76.0	70	130				
Vinyl chloride	0.7300	0.040	1	0	73.0	70	130				

Sample ID: **C1907049-003A MS** SampType: **MSD** TestCode: **0.20_NYS** Units: **ppbV** Prep Date: RunNo: **15262**
Client ID: **113-3** Batch ID: **R15262** TestNo: **TO-15** Analysis Date: **7/24/2019** SeqNo: **174696**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	1.150	0.15	1	0	115	70	130	1.16	0.866	30	
1,1,2,2-Tetrachloroethane	0.9200	0.15	1	0	92.0	70	130	0.93	1.08	30	
1,1,2-Trichloroethane	1.020	0.15	1	0	102	70	130	1.03	0.976	30	
1,1-Dichloroethane	0.8200	0.15	1	0	82.0	70	130	0.81	1.23	30	
1,1-Dichloroethene	0.9000	0.040	1	0	90.0	70	130	0.9	0	30	
1,2,4-Trichlorobenzene	2.010	0.15	1	0	201	70	130	1.97	2.01	30	S
1,2,4-Trimethylbenzene	2.290	0.15	1	0.9	139	70	130	2.35	2.59	30	S
1,2-Dibromoethane	0.9500	0.15	1	0	95.0	70	130	0.95	0	30	
1,2-Dichlorobenzene	1.260	0.15	1	0	126	70	130	1.25	0.797	30	
1,2-Dichloroethane	0.9300	0.15	1	0	93.0	70	130	0.92	1.08	30	
1,2-Dichloropropane	0.8800	0.15	1	0	88.0	70	130	0.9	2.25	30	
1,3,5-Trimethylbenzene	1.820	0.15	1	0.71	111	70	130	1.85	1.63	30	
1,3-butadiene	17.92	0.15	1	0	1790	70	130	18.61	3.78	30	S
1,3-Dichlorobenzene	1.260	0.15	1	0	126	70	130	1.26	0	30	
1,4-Dichlorobenzene	1.290	0.15	1	0	129	70	130	1.29	0	30	
1,4-Dioxane	0.9700	0.30	1	0	97.0	70	130	0.91	6.38	30	
2,2,4-trimethylpentane	1.590	0.15	1	0.7	89.0	70	130	1.6	0.627	30	
4-ethyltoluene	1.550	0.15	1	0.21	134	70	130	1.51	2.61	30	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
H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits

Centek Laboratories, LLC

Sample ID: C1907049-003A MS	SampType: MSD	TestCode: 0.20_NYS	Units: ppbV	Prep Date:	RunNo: 15262
Client ID: 113-3	Batch ID: R15262	TestNo: TO-15		Analysis Date: 7/24/2019	SeqNo: 174696

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acetone	7.170	0.30	1	6.35	82.0	70	130	8.26	14.1	30	
Allyl chloride	0.8000	0.15	1	0	80.0	70	130	0.83	3.68	30	
Benzene	1.590	0.15	1	0.65	94.0	70	130	1.63	2.48	30	
Benzyl chloride	1.200	0.15	1	0	120	70	130	1.21	0.830	30	
Bromodichloromethane	1.070	0.15	1	0	107	70	130	1.11	3.67	30	
Bromoform	1.030	0.15	1	0	103	70	130	1.03	0	30	
Bromomethane	0.8400	0.15	1	0	84.0	70	130	0.8	4.88	30	
Carbon disulfide	0.8800	0.15	1	0.11	77.0	70	130	0.84	4.65	30	
Carbon tetrachloride	1.160	0.030	1	0.1	106	70	130	1.18	1.71	30	
Chlorobenzene	0.9500	0.15	1	0	95.0	70	130	0.98	3.11	30	
Chloroethane	0.7400	0.15	1	0	74.0	70	130	0.74	0	30	
Chloroform	1.730	0.15	1	0.89	84.0	70	130	1.71	1.16	30	
Chloromethane	1.460	0.15	1	0.91	55.0	70	130	1.48	1.36	30	S
cis-1,2-Dichloroethene	0.8600	0.040	1	0	86.0	70	130	0.83	3.55	30	
cis-1,3-Dichloropropene	0.9700	0.15	1	0	97.0	70	130	1.01	4.04	30	
Cyclohexane	1.310	0.15	1	0.42	89.0	70	130	1.23	6.30	30	
Dibromochloromethane	1.000	0.15	1	0	100	70	130	0.99	1.01	30	
Ethyl acetate	0.8400	0.15	1	0.27	57.0	70	130	0.82	2.41	30	S
Ethylbenzene	1.430	0.15	1	0.38	105	70	130	1.44	0.697	30	
Freon 11	1.160	0.15	1	0.28	88.0	70	130	1.16	0	30	
Freon 113	0.9800	0.15	1	0	98.0	70	130	0.98	0	30	
Freon 114	0.8000	0.15	1	0	80.0	70	130	0.8	0	30	
Freon 12	1.140	0.15	1	0	114	70	130	1.13	0.881	30	
Heptane	1.410	0.15	1	0.54	87.0	70	130	1.46	3.48	30	
Hexachloro-1,3-butadiene	1.390	0.15	1	0	139	70	130	1.35	2.92	30	S
Hexane	2.080	0.15	1	1.43	65.0	70	130	2.08	0	30	S
Isopropyl alcohol	20.85	0.15	1	16.78	407	70	130	20.39	2.23	30	S
m&p-Xylene	3.600	0.30	2	1.41	110	70	130	3.6	0	30	
Methyl Butyl Ketone	0.9000	0.30	1	0	90.0	70	130	0.89	1.12	30	
Methyl Ethyl Ketone	2.230	0.30	1	1.67	56.0	70	130	2.2	1.35	30	S
Methyl Isobutyl Ketone	0.8400	0.30	1	0	84.0	70	130	0.8	4.88	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
- H Holding times for preparation or analysis exceeded
- R RPD outside accepted recovery limits

Centek Laboratories, LLC

Sample ID: **C1907049-003A MS** SampType: **MSD** TestCode: **0.20_NYS** Units: **ppbV** Prep Date: RunNo: **15262**
Client ID: **113-3** Batch ID: **R15262** TestNo: **TO-15** Analysis Date: **7/24/2019** SeqNo: **174696**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether	0.9700	0.15	1	0	97.0	70	130	0.95	2.08	30	
Methylene chloride	1.250	0.15	1	0.44	81.0	70	130	1.24	0.803	30	
o-Xylene	1.540	0.15	1	0.51	103	70	130	1.56	1.29	30	
Propylene	7.320	0.15	1	0	732	70	130	7.39	0.952	30	S
Styrene	1.380	0.15	1	0.28	110	70	130	1.38	0	30	
Tetrachloroethylene	2.980	0.15	1	1.99	99.0	70	130	3.03	1.66	30	
Tetrahydrofuran	1.430	0.15	1	0	143	70	130	1.46	2.08	30	S
Toluene	2.860	0.15	1	2.17	69.0	70	130	2.93	2.42	30	S
trans-1,2-Dichloroethene	0.8800	0.15	1	0	88.0	70	130	0.84	4.65	30	
trans-1,3-Dichloropropene	1.000	0.15	1	0	100	70	130	1.03	2.96	30	
Trichloroethene	1.040	0.030	1	0	104	70	130	1.06	1.90	30	
Vinyl acetate	0.8800	0.15	1	0	88.0	70	130	0.89	1.13	30	
Vinyl Bromide	0.7600	0.15	1	0	76.0	70	130	0.76	0	30	
Vinyl chloride	0.7500	0.040	1	0	75.0	70	130	0.73	2.70	30	

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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	0.31	0.3	0.3	0.33	0.32	0.33	0.32	0.01	105.2%	0.040
Freon 12	0.3	0.32	0.32	0.32	0.33	0.3	0.33	0.31	0.32	0.01	106.2%	0.034
Chloromethane	0.3	0.32	0.32	0.3	0.31	0.28	0.31	0.32	0.31	0.01	102.9%	0.046
Freon 114	0.3	0.31	0.31	0.3	0.3	0.29	0.31	0.3	0.30	0.01	101.0%	0.024
Vinyl Chloride	0.3	0.27	0.29	0.28	0.28	0.28	0.27	0.27	0.28	0.01	92.4%	0.024
Butane	0.3	0.32	0.31	0.31	0.31	0.28	0.29	0.29	0.30	0.01	100.5%	0.046
1,3-butadiene	0.3	0.3	0.29	0.29	0.3	0.28	0.29	0.29	0.29	0.01	97.1%	0.022
Bromomethane	0.3	0.29	0.3	0.31	0.32	0.31	0.32	0.28	0.30	0.02	101.4%	0.048
Chloroethane	0.3	0.3	0.29	0.31	0.31	0.27	0.29	0.29	0.29	0.01	98.1%	0.044
Ethanol	0.3	0.28	0.35	0.39	0.28	0.24	0.31	0.34	0.31	0.05	104.3%	0.160
Acrolein	0.3	0.3	0.29	0.34	0.29	0.31	0.32	0.28	0.30	0.02	101.4%	0.065
Vinyl Bromide	0.3	0.32	0.3	0.31	0.31	0.29	0.31	0.3	0.31	0.01	101.9%	0.031
Freon 11	0.3	0.33	0.31	0.32	0.32	0.3	0.31	0.3	0.31	0.01	104.3%	0.035
Acetone	0.3	0.31	0.28	0.28	0.26	0.21	0.32	0.3	0.28	0.04	93.3%	0.116
Pentane	0.3	0.32	0.29	0.3	0.31	0.21	0.3	0.29	0.29	0.04	96.2%	0.114
Isopropyl alcohol	0.3	0.29	0.23	0.29	0.23	0.26	0.25	0.29	0.26	0.03	87.6%	0.086
1,1-dichloroethene	0.3	0.31	0.29	0.28	0.29	0.28	0.29	0.28	0.29	0.01	96.2%	0.034
Freon 113	0.3	0.32	0.3	0.31	0.32	0.3	0.33	0.32	0.31	0.01	104.8%	0.036
t-Butyl alcohol	0.3	0.29	0.22	0.26	0.39	0.24	0.26	0.27	0.28	0.06	91.9%	0.173
Methylene chloride	0.3	0.32	0.31	0.29	0.33	0.31	0.32	0.32	0.31	0.01	104.8%	0.040
Allyl chloride	0.3	0.31	0.29	0.32	0.32	0.3	0.33	0.31	0.31	0.01	103.8%	0.042
Carbon disulfide	0.3	0.31	0.31	0.3	0.32	0.31	0.34	0.33	0.32	0.01	105.7%	0.043
trans-1,2-dichloroethene	0.3	0.31	0.3	0.31	0.32	0.29	0.33	0.32	0.31	0.01	103.8%	0.042
methyl tert-butyl ether	0.3	0.31	0.28	0.3	0.28	0.26	0.31	0.31	0.29	0.02	97.6%	0.062
1,1-dichloroethane	0.3	0.33	0.32	0.32	0.33	0.31	0.33	0.33	0.32	0.01	108.1%	0.025
Vinyl acetate	0.3	0.29	0.29	0.29	0.31	0.28	0.3	0.3	0.29	0.01	98.1%	0.031
Methyl Ethyl Ketone	0.3	0.29	0.29	0.27	0.24	0.21	0.3	0.32	0.27	0.04	91.4%	0.119
cis-1,2-dichloroethene	0.3	0.31	0.29	0.3	0.31	0.21	0.32	0.31	0.29	0.04	97.6%	0.119
Hexane	0.3	0.32	0.29	0.31	0.3	0.31	0.34	0.3	0.31	0.02	103.3%	0.051
Ethyl acetate	0.3	0.3	0.27	0.29	0.23	0.21	0.3	0.33	0.28	0.04	91.9%	0.133
Chloroform	0.3	0.33	0.31	0.31	0.33	0.31	0.33	0.32	0.32	0.01	106.7%	0.031
Tetrahydrofuran	0.3	0.31	0.26	0.31	0.26	0.25	0.31	0.32	0.29	0.03	96.2%	0.095
1,2-dichloroethane	0.3	0.33	0.31	0.31	0.32	0.31	0.33	0.32	0.32	0.01	106.2%	0.028
1,1,1-trichloroethane	0.3	0.33	0.31	0.33	0.32	0.31	0.32	0.34	0.32	0.01	107.6%	0.035
Cyclohexane	0.3	0.31	0.29	0.3	0.3	0.31	0.31	0.33	0.31	0.01	102.4%	0.039
Carbon tetrachloride	0.3	0.29	0.28	0.3	0.29	0.28	0.29	0.29	0.29	0.01	96.2%	0.022
Benzene	0.3	0.32	0.31	0.32	0.32	0.31	0.33	0.35	0.32	0.01	107.6%	0.043

Compound	Amt	IDL #1	IDL #2	IDL #3	IDL #4	IDL #5	IDL #6	IDL #7	AVG	StdDev	%Rec	IDL
Methyl methacrylate	0.3	0.27	0.24	0.25	0.21	0.2	0.28	0.29	0.25	0.03	82.9%	0.108
1,4-dioxane	0.3	0.28	0.2	0.25	0.39	0.2	0.24	0.27	0.26	0.06	87.1%	0.203
2,2,4-trimethylpentane	0.3	0.3	0.29	0.31	0.31	0.3	0.32	0.33	0.31	0.01	102.9%	0.042
Heptane	0.3	0.29	0.29	0.31	0.3	0.29	0.3	0.32	0.30	0.01	100.0%	0.036
Trichloroethene	0.3	0.28	0.27	0.27	0.28	0.27	0.28	0.28	0.28	0.01	91.9%	0.017
1,2-dichloropropane	0.3	0.31	0.31	0.32	0.33	0.31	0.35	0.35	0.33	0.02	108.6%	0.057
Bromodichloromethane	0.3	0.32	0.31	0.32	0.33	0.32	0.34	0.33	0.32	0.01	108.1%	0.031
cis-1,3-dichloropropene	0.3	0.28	0.29	0.3	0.3	0.29	0.32	0.3	0.30	0.01	99.0%	0.039
trans-1,3-dichloropropene	0.3	0.3	0.3	0.31	0.3	0.29	0.29	0.32	0.30	0.01	100.5%	0.034
1,1,2-trichloroethane	0.3	0.32	0.31	0.31	0.32	0.31	0.33	0.35	0.32	0.01	107.1%	0.046
Toluene	0.3	0.29	0.28	0.29	0.3	0.29	0.3	0.33	0.30	0.02	99.0%	0.050
Methyl Isobutyl Ketone	0.3	0.28	0.23	0.26	0.36	0.26	0.27	0.26	0.27	0.04	91.4%	0.128
Dibromochloromethane	0.3	0.33	0.32	0.34	0.33	0.33	0.34	0.34	0.33	0.01	111.0%	0.024
Methyl Butyl Ketone	0.3	0.23	0.24	0.26	0.3	0.29	0.25	0.23	0.26	0.03	85.7%	0.088
1,2-dibromoethane	0.3	0.32	0.32	0.32	0.33	0.31	0.33	0.35	0.33	0.01	108.6%	0.040
Tetrachloroethylene	0.3	0.32	0.32	0.32	0.33	0.32	0.33	0.34	0.33	0.01	108.6%	0.025
Chlorobenzene	0.3	0.32	0.32	0.32	0.31	0.31	0.33	0.34	0.32	0.01	107.1%	0.034
Ethylbenzene	0.3	0.28	0.27	0.28	0.27	0.26	0.28	0.29	0.28	0.01	91.9%	0.031
m&p-xylene	0.6	0.51	0.5	0.51	0.5	0.48	0.5	0.53	0.50	0.02	84.0%	0.048
Nonane	0.3	0.24	0.26	0.27	0.25	0.25	0.28	0.28	0.26	0.02	87.1%	0.049
Styrene	0.3	0.26	0.25	0.26	0.24	0.24	0.27	0.27	0.26	0.01	85.2%	0.040
Bromoform	0.3	0.32	0.32	0.33	0.31	0.32	0.33	0.33	0.32	0.01	107.6%	0.024
o-xylene	0.3	0.27	0.28	0.28	0.27	0.27	0.28	0.28	0.28	0.01	91.9%	0.017
Cumene	0.3	0.26	0.26	0.26	0.24	0.24	0.26	0.28	0.26	0.01	85.7%	0.043
Bromofluorobenzene	1	0.97	0.97	0.95	0.95	0.95	0.93	0.95	0.95	0.01	95.3%	0.043
1,1,2,2-tetrachloroethane	0.3	0.33	0.31	0.33	0.31	0.31	0.37	0.39	0.34	0.03	111.9%	0.101
Propylbenzene	0.3	0.26	0.26	0.26	0.23	0.22	0.26	0.27	0.25	0.02	83.8%	0.059
2-Chlorotoluene	0.3	0.28	0.28	0.28	0.26	0.26	0.28	0.3	0.28	0.01	92.4%	0.043
4-ethyltoluene	0.3	0.24	0.24	0.24	0.21	0.21	0.24	0.26	0.23	0.02	78.1%	0.057
1,3,5-trimethylbenzene	0.3	0.26	0.25	0.26	0.22	0.21	0.25	0.27	0.25	0.02	81.9%	0.070
1,2,4-trimethylbenzene	0.3	0.25	0.24	0.24	0.2	0.2	0.24	0.26	0.23	0.02	77.6%	0.074
1,3-dichlorobenzene	0.3	0.28	0.28	0.29	0.25	0.26	0.27	0.29	0.27	0.02	91.4%	0.048
benzyl chloride	0.3	0.26	0.26	0.26	0.24	0.19	0.26	0.29	0.25	0.03	83.8%	0.097
1,4-dichlorobenzene	0.3	0.27	0.26	0.27	0.24	0.25	0.26	0.28	0.26	0.01	87.1%	0.042
1,2,3-trimethylbenzene	0.3	0.24	0.22	0.23	0.19	0.19	0.24	0.25	0.22	0.02	74.3%	0.076
1,2-dichlorobenzene	0.3	0.29	0.27	0.29	0.25	0.25	0.29	0.3	0.28	0.02	92.4%	0.065
1,2,4-trichlorobenzene	0.3	0.26	0.21	0.22	0.19	0.2	0.21	0.25	0.22	0.03	73.3%	0.081
Naphthalene	0.3	0.2	0.2	0.21	0.22	0.18	0.19	0.21	0.20	0.01	67.1%	0.042
Hexachloro-1,3-butadiene	0.3	0.3	0.26	0.28	0.23	0.24	0.3	0.32	0.28	0.03	91.9%	0.106

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Compound	Amt	IDL #1	IDL #2	IDL #3	IDL #4	IDL #5	IDL #6	IDL #7	AVG	StdDev	%Rec	IDL
Vinyl Chloride	0.1	0.12	0.11	0.12	0.12	0.11	0.11	0.11	0.11	0.01	114.3%	0.017
1,1-dichloroethene	0.1	0.13	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.00	121.4%	0.012
1,1-dichloroethane	0.1	0.13	0.12	0.13	0.13	0.14	0.13	0.13	0.13	0.01	130.0%	0.018
cis-1,2-dichloroethene	0.1	0.12	0.11	0.11	0.11	0.13	0.13	0.13	0.12	0.01	120.0%	0.031
Carbon tetrachloride	0.1	0.12	0.12	0.12	0.12	0.12	0.11	0.11	0.12	0.00	117.1%	0.015
Trichloroethene	0.1	0.1	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.00	108.6%	0.012
Bromofluorobenzene	1	0.88	0.84	0.86	0.85	0.85	0.85	0.85	0.85	0.01	85.4%	0.040
Naphthalene	0.1	0.09	0.08	0.08	0.1	0.09	0.07	0.07	0.08	0.01	82.9%	0.035

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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: *30-Aug-19*

CLIENT:	LaBella Associates, P.C.	**Client Sample ID:**	113-1
Lab Order:	C1907049	**Tag Number:**	130,255
Project:	113-117 Clinton North	**Collection Date:**	7/17/2019
Lab ID:	C1907049-001A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		FLD				Analyst:
Lab Vacuum In	-2			"Hg		7/22/2019
Lab Vacuum Out	-30			"Hg		7/22/2019
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		TO-15				Analyst: RJP
1,1,1-Trichloroethane	< 0.15	0.15		ppbV	1	7/24/2019 5:25:00 PM
1,1,2,2-Tetrachloroethane	< 0.15	0.15		ppbV	1	7/24/2019 5:25:00 PM
1,1,2-Trichloroethane	< 0.15	0.15		ppbV	1	7/24/2019 5:25:00 PM
1,1-Dichloroethane	< 0.15	0.15		ppbV	1	7/24/2019 5:25:00 PM
1,1-Dichloroethene	< 0.040	0.040		ppbV	1	7/24/2019 5:25:00 PM
1,2,4-Trichlorobenzene	< 0.15	0.15		ppbV	1	7/24/2019 5:25:00 PM
1,2,4-Trimethylbenzene	0.84	0.15		ppbV	1	7/24/2019 5:25:00 PM
1,2-Dibromoethane	< 0.15	0.15		ppbV	1	7/24/2019 5:25:00 PM
1,2-Dichlorobenzene	< 0.15	0.15		ppbV	1	7/24/2019 5:25:00 PM
1,2-Dichloroethane	< 0.15	0.15		ppbV	1	7/24/2019 5:25:00 PM
1,2-Dichloropropane	< 0.15	0.15		ppbV	1	7/24/2019 5:25:00 PM
1,3,5-Trimethylbenzene	0.50	0.15		ppbV	1	7/24/2019 5:25:00 PM
1,3-butadiene	< 0.15	0.15		ppbV	1	7/24/2019 5:25:00 PM
1,3-Dichlorobenzene	< 0.15	0.15		ppbV	1	7/24/2019 5:25:00 PM
1,4-Dichlorobenzene	< 0.15	0.15		ppbV	1	7/24/2019 5:25:00 PM
1,4-Dioxane	< 0.30	0.30		ppbV	1	7/24/2019 5:25:00 PM
2,2,4-trimethylpentane	0.69	0.15		ppbV	1	7/24/2019 5:25:00 PM
4-ethyltoluene	0.23	0.15		ppbV	1	7/24/2019 5:25:00 PM
Acetone	11	3.0		ppbV	10	7/25/2019 6:15:00 AM
Allyl chloride	< 0.15	0.15		ppbV	1	7/24/2019 5:25:00 PM
Benzene	0.67	0.15		ppbV	1	7/24/2019 5:25:00 PM
Benzyl chloride	< 0.15	0.15		ppbV	1	7/24/2019 5:25:00 PM
Bromodichloromethane	< 0.15	0.15		ppbV	1	7/24/2019 5:25:00 PM
Bromoform	< 0.15	0.15		ppbV	1	7/24/2019 5:25:00 PM
Bromomethane	< 0.15	0.15		ppbV	1	7/24/2019 5:25:00 PM
Carbon disulfide	< 0.15	0.15		ppbV	1	7/24/2019 5:25:00 PM
Carbon tetrachloride	0.10	0.030		ppbV	1	7/24/2019 5:25:00 PM
Chlorobenzene	< 0.15	0.15		ppbV	1	7/24/2019 5:25:00 PM
Chloroethane	< 0.15	0.15		ppbV	1	7/24/2019 5:25:00 PM
Chloroform	0.82	0.15		ppbV	1	7/24/2019 5:25:00 PM
Chloromethane	0.79	0.15		ppbV	1	7/24/2019 5:25:00 PM
cis-1,2-Dichloroethene	< 0.040	0.040		ppbV	1	7/24/2019 5:25:00 PM
cis-1,3-Dichloropropene	< 0.15	0.15		ppbV	1	7/24/2019 5:25:00 PM
Cyclohexane	0.43	0.15		ppbV	1	7/24/2019 5:25:00 PM
Dibromochloromethane	< 0.15	0.15		ppbV	1	7/24/2019 5:25:00 PM
Ethyl acetate	0.30	0.15		ppbV	1	7/24/2019 5:25:00 PM

Qualifiers:

**	Quantitation Limit	.	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		

Centek Laboratories, LLC

Date: *30-Aug-19*

CLIENT:	LaBella Associates, P.C.	**Client Sample ID:**	113-1
Lab Order:	C1907049	**Tag Number:**	130,255
Project:	113-117 Clinton North	**Collection Date:**	7/17/2019
Lab ID:	C1907049-001A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		**TO-15**				Analyst: **RJP**
Ethylbenzene	0.37	0.15		ppbV	1	7/24/2019 5:25:00 PM
Freon 11	0.30	0.15		ppbV	1	7/24/2019 5:25:00 PM
Freon 113	< 0.15	0.15		ppbV	1	7/24/2019 5:25:00 PM
Freon 114	< 0.15	0.15		ppbV	1	7/24/2019 5:25:00 PM
Freon 12	< 0.15	0.15		ppbV	1	7/24/2019 5:25:00 PM
Heptane	0.55	0.15		ppbV	1	7/24/2019 5:25:00 PM
Hexachloro-1,3-butadiene	< 0.15	0.15		ppbV	1	7/24/2019 5:25:00 PM
Hexane	1.4	0.15		ppbV	1	7/24/2019 5:25:00 PM
Isopropyl alcohol	24	1.5		ppbV	10	7/25/2019 6:15:00 AM
m&p-Xylene	1.3	0.30		ppbV	1	7/24/2019 5:25:00 PM
Methyl Butyl Ketone	< 0.30	0.30		ppbV	1	7/24/2019 5:25:00 PM
Methyl Ethyl Ketone	1.7	0.30		ppbV	1	7/24/2019 5:25:00 PM
Methyl Isobutyl Ketone	< 0.30	0.30		ppbV	1	7/24/2019 5:25:00 PM
Methyl tert-butyl ether	< 0.15	0.15		ppbV	1	7/24/2019 5:25:00 PM
Methylene chloride	0.49	0.15		ppbV	1	7/24/2019 5:25:00 PM
o-Xylene	0.46	0.15		ppbV	1	7/24/2019 5:25:00 PM
Propylene	< 0.15	0.15		ppbV	1	7/24/2019 5:25:00 PM
Styrene	0.29	0.15		ppbV	1	7/24/2019 5:25:00 PM
Tetrachloroethylene	2.4	1.5		ppbV	10	7/25/2019 6:15:00 AM
Tetrahydrofuran	< 0.15	0.15		ppbV	1	7/24/2019 5:25:00 PM
Toluene	1.8	0.15		ppbV	1	7/24/2019 5:25:00 PM
trans-1,2-Dichloroethene	< 0.15	0.15		ppbV	1	7/24/2019 5:25:00 PM
trans-1,3-Dichloropropene	< 0.15	0.15		ppbV	1	7/24/2019 5:25:00 PM
Trichloroethene	0.070	0.030		ppbV	1	7/24/2019 5:25:00 PM
Vinyl acetate	< 0.15	0.15		ppbV	1	7/24/2019 5:25:00 PM
Vinyl Bromide	< 0.15	0.15		ppbV	1	7/24/2019 5:25:00 PM
Vinyl chloride	< 0.040	0.040		ppbV	1	7/24/2019 5:25:00 PM
Surr: Bromofluorobenzene	101	70-130		%REC	1	7/24/2019 5:25:00 PM

Qualifiers:

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Centek Laboratories, LLC

Date: *30-Aug-19*

CLIENT:	LaBella Associates, P.C.	**Client Sample ID:**	113-1
Lab Order:	C1907049	**Tag Number:**	130,255
Project:	113-117 Clinton North	**Collection Date:**	7/17/2019
Lab ID:	C1907049-001A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	< 0.82	0.82		ug/m3	1	7/24/2019 5:25:00 PM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		ug/m3	1	7/24/2019 5:25:00 PM
1,1,2-Trichloroethane	< 0.82	0.82		ug/m3	1	7/24/2019 5:25:00 PM
1,1-Dichloroethane	< 0.61	0.61		ug/m3	1	7/24/2019 5:25:00 PM
1,1-Dichloroethene	< 0.16	0.16		ug/m3	1	7/24/2019 5:25:00 PM
1,2,4-Trichlorobenzene	< 1.1	1.1		ug/m3	1	7/24/2019 5:25:00 PM
1,2,4-Trimethylbenzene	4.1	0.74		ug/m3	1	7/24/2019 5:25:00 PM
1,2-Dibromoethane	< 1.2	1.2		ug/m3	1	7/24/2019 5:25:00 PM
1,2-Dichlorobenzene	< 0.90	0.90		ug/m3	1	7/24/2019 5:25:00 PM
1,2-Dichloroethane	< 0.61	0.61		ug/m3	1	7/24/2019 5:25:00 PM
1,2-Dichloropropane	< 0.69	0.69		ug/m3	1	7/24/2019 5:25:00 PM
1,3,5-Trimethylbenzene	2.5	0.74		ug/m3	1	7/24/2019 5:25:00 PM
1,3-butadiene	< 0.33	0.33		ug/m3	1	7/24/2019 5:25:00 PM
1,3-Dichlorobenzene	< 0.90	0.90		ug/m3	1	7/24/2019 5:25:00 PM
1,4-Dichlorobenzene	< 0.90	0.90		ug/m3	1	7/24/2019 5:25:00 PM
1,4-Dioxane	< 1.1	1.1		ug/m3	1	7/24/2019 5:25:00 PM
2,2,4-trimethylpentane	3.2	0.70		ug/m3	1	7/24/2019 5:25:00 PM
4-ethyltoluene	1.1	0.74		ug/m3	1	7/24/2019 5:25:00 PM
Acetone	27	7.1		ug/m3	10	7/25/2019 6:15:00 AM
Allyl chloride	< 0.47	0.47		ug/m3	1	7/24/2019 5:25:00 PM
Benzene	2.1	0.48		ug/m3	1	7/24/2019 5:25:00 PM
Benzyl chloride	< 0.86	0.86		ug/m3	1	7/24/2019 5:25:00 PM
Bromodichloromethane	< 1.0	1.0		ug/m3	1	7/24/2019 5:25:00 PM
Bromoform	< 1.6	1.6		ug/m3	1	7/24/2019 5:25:00 PM
Bromomethane	< 0.58	0.58		ug/m3	1	7/24/2019 5:25:00 PM
Carbon disulfide	< 0.47	0.47		ug/m3	1	7/24/2019 5:25:00 PM
Carbon tetrachloride	0.63	0.19		ug/m3	1	7/24/2019 5:25:00 PM
Chlorobenzene	< 0.69	0.69		ug/m3	1	7/24/2019 5:25:00 PM
Chloroethane	< 0.40	0.40		ug/m3	1	7/24/2019 5:25:00 PM
Chloroform	4.0	0.73		ug/m3	1	7/24/2019 5:25:00 PM
Chloromethane	1.6	0.31		ug/m3	1	7/24/2019 5:25:00 PM
cis-1,2-Dichloroethene	< 0.16	0.16		ug/m3	1	7/24/2019 5:25:00 PM
cis-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	7/24/2019 5:25:00 PM
Cyclohexane	1.5	0.52		ug/m3	1	7/24/2019 5:25:00 PM
Dibromochloromethane	< 1.3	1.3		ug/m3	1	7/24/2019 5:25:00 PM
Ethyl acetate	1.1	0.54		ug/m3	1	7/24/2019 5:25:00 PM
Ethylbenzene	1.6	0.65		ug/m3	1	7/24/2019 5:25:00 PM
Freon 11	1.7	0.84		ug/m3	1	7/24/2019 5:25:00 PM
Freon 113	< 1.1	1.1		ug/m3	1	7/24/2019 5:25:00 PM
Freon 114	< 1.0	1.0		ug/m3	1	7/24/2019 5:25:00 PM

Qualifiers:

**	Quantitation Limit	.	Results reported are not blank corrected
B	Analyte detected in the associated Method Blank	E	Estimated Value above quantitation range
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Centek Laboratories, LLC

Date: *30-Aug-19*

CLIENT:	LaBella Associates, P.C.	**Client Sample ID:**	113-1
Lab Order:	C1907049	**Tag Number:**	130,255
Project:	113-117 Clinton North	**Collection Date:**	7/17/2019
Lab ID:	C1907049-001A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		**TO-15**				Analyst: **RJP**
Freon 12	< 0.74	0.74		ug/m3	1	7/24/2019 5:25:00 PM
Heptane	2.3	0.61		ug/m3	1	7/24/2019 5:25:00 PM
Hexachloro-1,3-butadiene	< 1.6	1.6		ug/m3	1	7/24/2019 5:25:00 PM
Hexane	4.8	0.53		ug/m3	1	7/24/2019 5:25:00 PM
Isopropyl alcohol	58	3.7		ug/m3	10	7/25/2019 6:15:00 AM
m&p-Xylene	5.7	1.3		ug/m3	1	7/24/2019 5:25:00 PM
Methyl Butyl Ketone	< 1.2	1.2		ug/m3	1	7/24/2019 5:25:00 PM
Methyl Ethyl Ketone	5.0	0.88		ug/m3	1	7/24/2019 5:25:00 PM
Methyl Isobutyl Ketone	< 1.2	1.2		ug/m3	1	7/24/2019 5:25:00 PM
Methyl tert-butyl ether	< 0.54	0.54		ug/m3	1	7/24/2019 5:25:00 PM
Methylene chloride	1.7	0.52		ug/m3	1	7/24/2019 5:25:00 PM
o-Xylene	2.0	0.65		ug/m3	1	7/24/2019 5:25:00 PM
Propylene	< 0.26	0.26		ug/m3	1	7/24/2019 5:25:00 PM
Styrene	1.2	0.64		ug/m3	1	7/24/2019 5:25:00 PM
Tetrachloroethylene	16	10		ug/m3	10	7/25/2019 6:15:00 AM
Tetrahydrofuran	< 0.44	0.44		ug/m3	1	7/24/2019 5:25:00 PM
Toluene	6.7	0.57		ug/m3	1	7/24/2019 5:25:00 PM
trans-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	7/24/2019 5:25:00 PM
trans-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	7/24/2019 5:25:00 PM
Trichloroethene	0.38	0.16		ug/m3	1	7/24/2019 5:25:00 PM
Vinyl acetate	< 0.53	0.53		ug/m3	1	7/24/2019 5:25:00 PM
Vinyl Bromide	< 0.66	0.66		ug/m3	1	7/24/2019 5:25:00 PM
Vinyl chloride	< 0.10	0.10		ug/m3	1	7/24/2019 5:25:00 PM

Qualifiers:

**	Quantitation Limit	.	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		

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AQ072406.D Vial: 4
Acq On : 24 Jul 2019 5:25 pm Operator: RJP
Sample : C1907049-001A Inst : MSD #1
Misc : A717_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 24 19:57:01 2019 Quant Results File: A717_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A717_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed Jul 17 21:42:36 2019
Response via : Initial Calibration
DataAcq Meth : 1UG_ENT

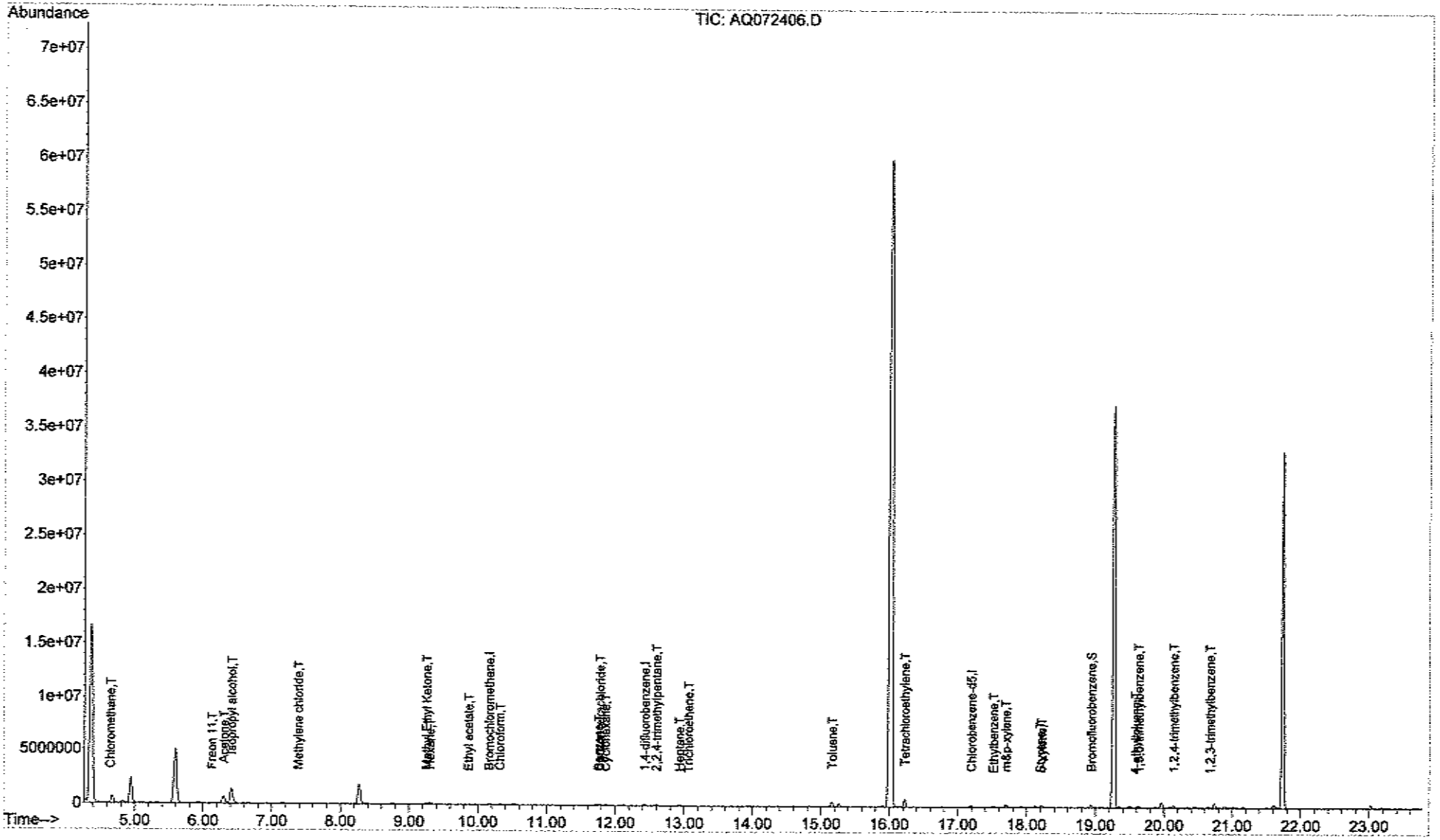
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	10.15	128	39415	1.00	ppb		0.00
35) 1,4-difluorobenzene	12.43	114	141397	1.00	ppb		0.00
50) Chlorobenzene-d5	17.20	117	156186	1.00	ppb		0.00
System Monitoring Compounds							
65) Bromofluorobenzene	18.93	95	93502	1.01	ppb		0.00
Spiked Amount 1.000	Range 70 - 130		Recovery = 101.00%				
Target Compounds							Qvalue
4) Chloromethane	4.63	50	31785	0.79	ppb		87
14) Freon 11	6.13	101	48024	0.30	ppb		98
15) Acetone	6.30	58	356249	11.24	ppb	#	75
17) Isopropyl alcohol	6.41	45	2135765	18.72	ppb	#	11
21) Methylene chloride	7.38	84	25678	0.49	ppb		90
28) Methyl Ethyl Ketone	9.25	72	44163	1.68	ppb	#	1
30) Hexane	9.31	57	104462	1.36	ppb		91
31) Ethyl acetate	9.87	43	44359	0.30	ppb		93
32) Chloroform	10.32	83	99771	0.82	ppb		97
37) Cyclohexane	11.85	56	24947m	0.43	ppb		
38) Carbon tetrachloride	11.78	117	11475	0.10	ppb		100
39) Benzene	11.75	78	89699	0.67	ppb		94
42) 2,2,4-trimethylpentane	12.60	57	128723	0.69	ppb		70
43) Heptane	12.93	43	36752	0.55	ppb		86
44) Trichloroethene	13.07	130	4887	0.07	ppb		99
51) Toluene	15.16	92	205619	1.77	ppb		98
56) Tetrachloroethylene	16.22	164	217391	2.31	ppb		100
58) Ethylbenzene	17.51	91	81893	0.37	ppb		100
59) m&p-xylene	17.70	91	230341	1.32	ppb		100
61) Styrene	18.19	104	39827	0.29	ppb		94
63) o-xylene	18.22	91	89435	0.46	ppb		99
69) 4-ethyltoluene	19.58	105	55812m	0.23	ppb		
70) 1,3,5-trimethylbenzene	19.63	105	104165m	0.50	ppb		
71) 1,2,4-trimethylbenzene	20.14	105	151382	0.84	ppb		97
75) 1,2,3-trimethylbenzene	20.67	105	64405	0.32	ppb		98

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AQ072406.D Vial: 4
Acq On : 24 Jul 2019 5:25 pm Operator: RJP
Sample : C1907049-001A Inst : MSD #1
Misc : A717_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 26 9:56 2019 Quant Results File: A717_1UG.RES

Method : C:\HPCHEM\1\METHODS\A717_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed Jul 17 21:42:36 2019
Response via : Initial Calibration



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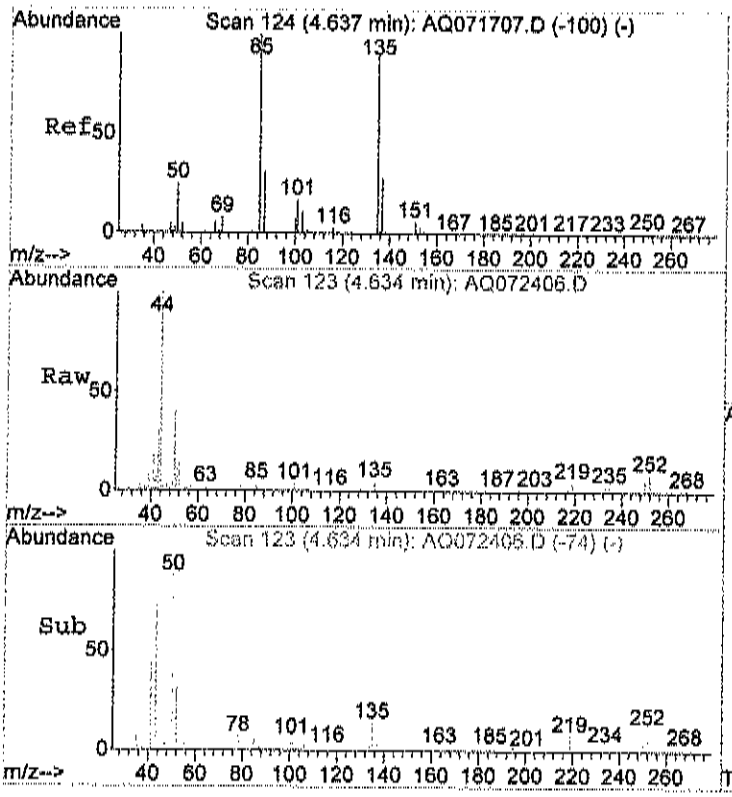
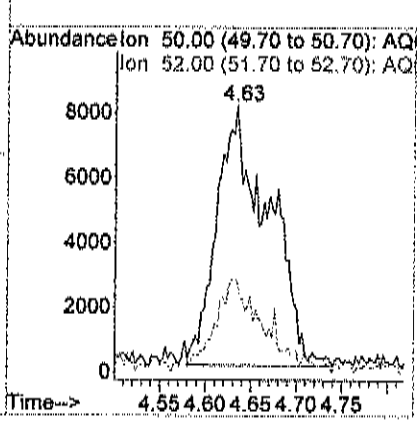
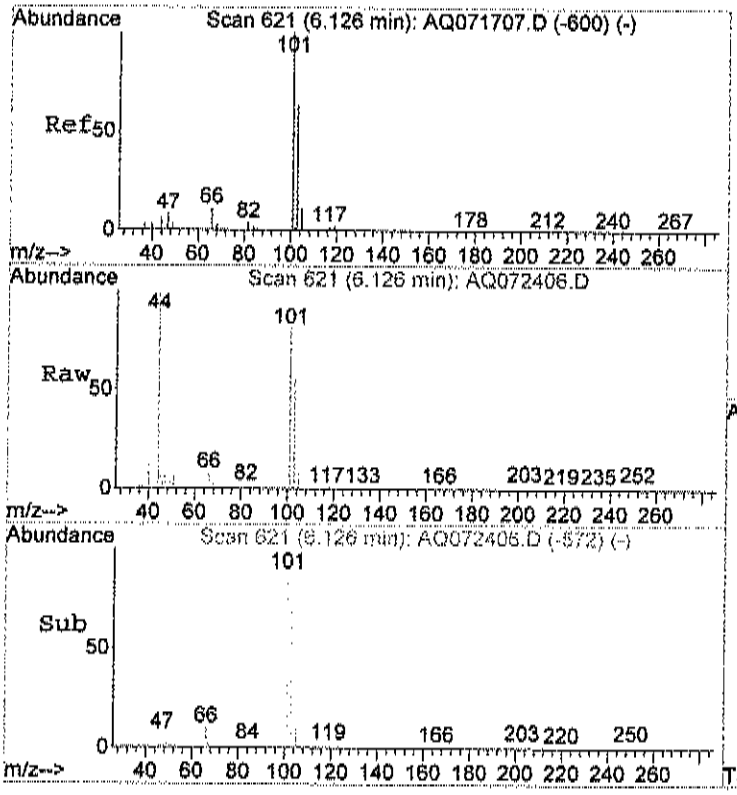


#4
Chloromethane
Concen: 0.79 ppb
RT: 4.63 min Scan# 123
Delta R.T. -0.00 min
Lab File: AQ072406.D
Acq: 24 Jul 2019 5:25 pm

Tgt Ion: 50 Resp: 31785

Ion	Ratio	Lower	Upper
50	100		
52	34.0	7.1	47.1

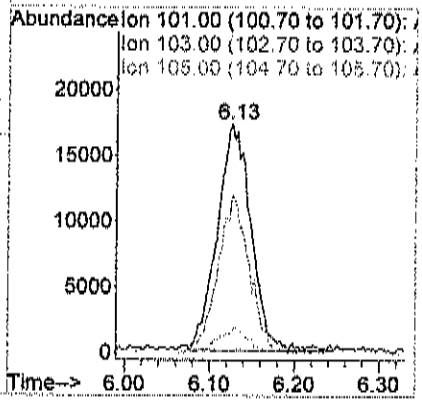


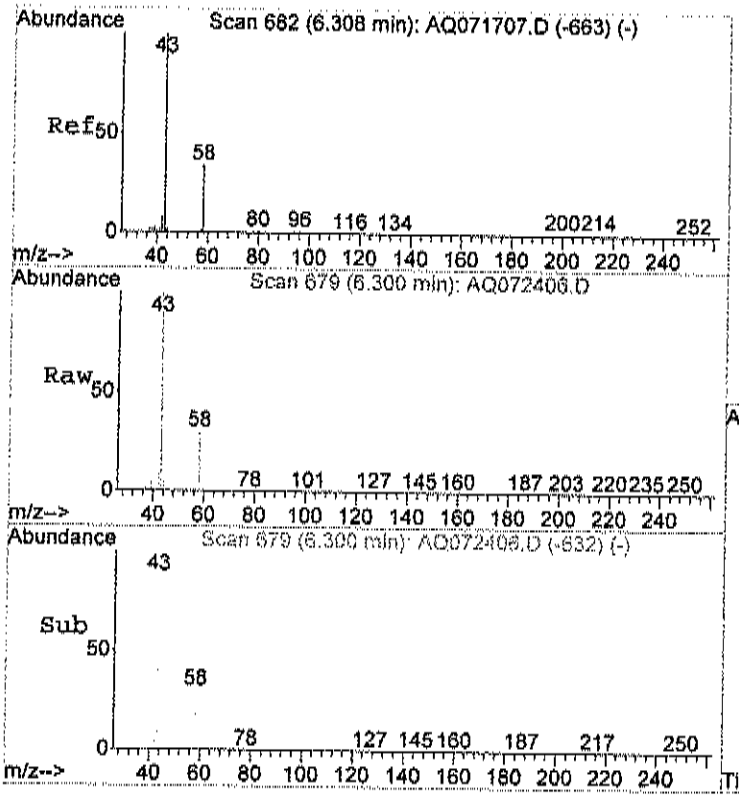


#14
Freon 11
Concen: 0.30 ppb
RT: 6.13 min Scan# 621
Delta R.T. -0.00 min
Lab File: AQ072406.D
Acq: 24 Jul 2019 5:25 pm

Tgt Ion:101 Resp: 48024

Ion	Ratio	Lower	Upper
101	100		
103	64.7	45.8	85.8
105	10.1	0.0	31.1

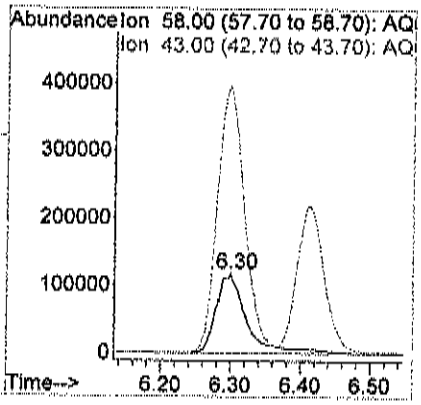


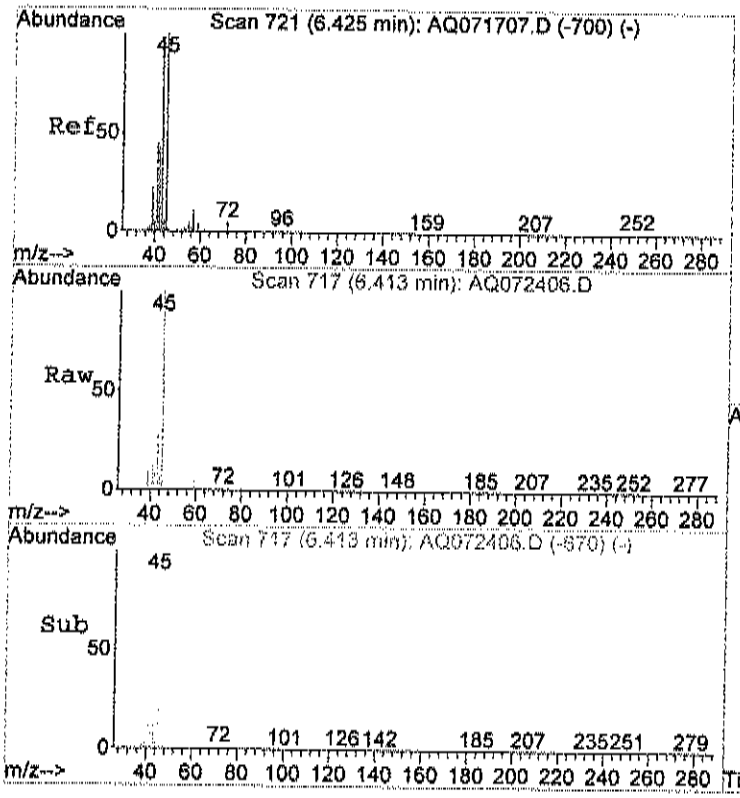


#15
Acetone
Concen: 11.24 ppb
RT: 6.30 min Scan# 679
Delta R.T. -0.01 min
Lab File: AQ072406.D
Acq: 24 Jul 2019 5:25 pm

Tgt Ion: 58 Resp: 356249

Ion	Ratio	Lower	Upper
58	100		
43	301.5	227.7	287.7#

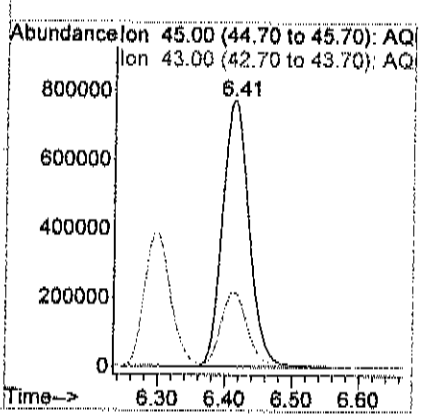


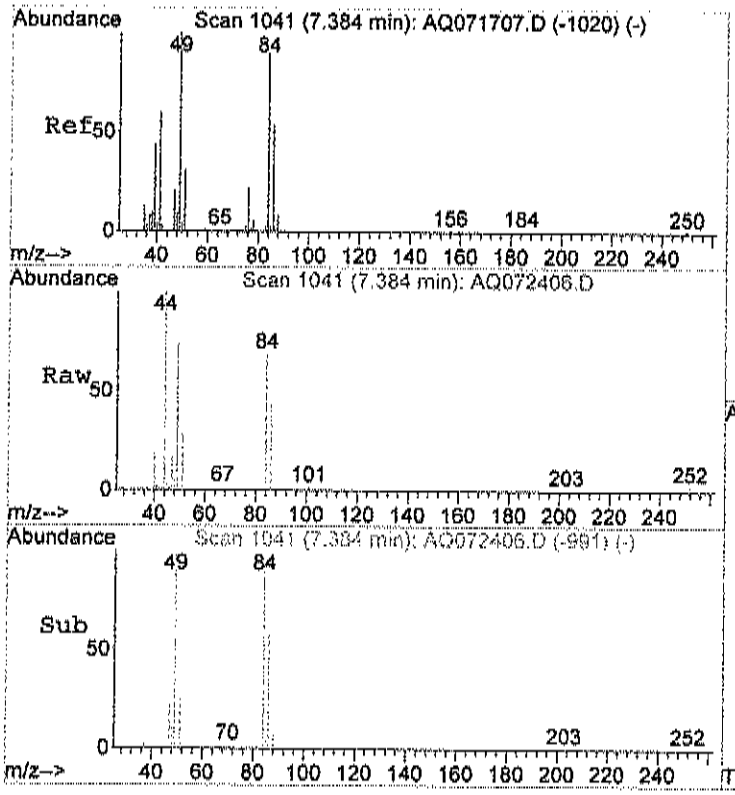


#17
Isopropyl alcohol
Concen: 18.72 ppb
RT: 6.41 min Scan# 717
Delta R.T. -0.01 min
Lab File: AQ072406.D
Acq: 24 Jul 2019 5:25 pm

Tgt Ion: 45 Resp: 2135765

Ion	Ratio	Lower	Upper
45	100		
43	28.0	113.1	153.1#

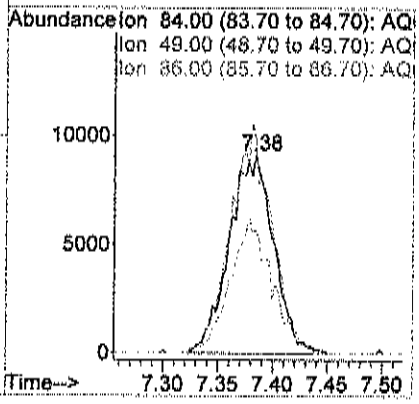


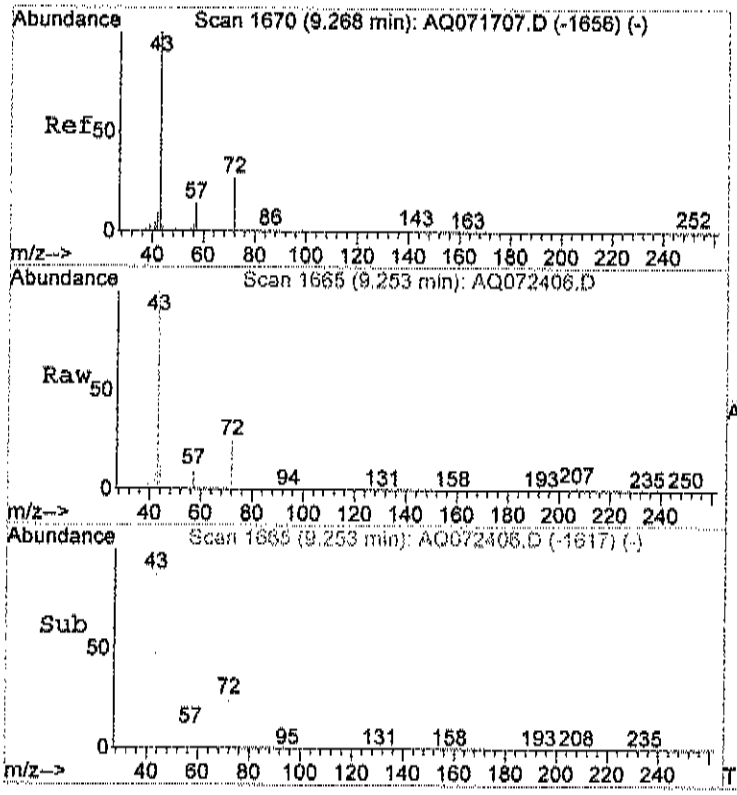


#21
Methylene chloride
Concen: 0.49 ppb
RT: 7.38 min Scan# 1041
Delta R.T. -0.00 min
Lab File: AQ072406.D
Acq: 24 Jul 2019 5:25 pm

Tgt Ion: 84 Resp: 25678

Ion	Ratio	Lower	Upper
84	100		
49	106.2	101.0	141.0
86	63.4	45.8	85.8

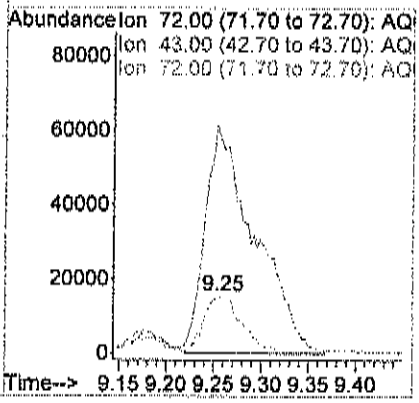


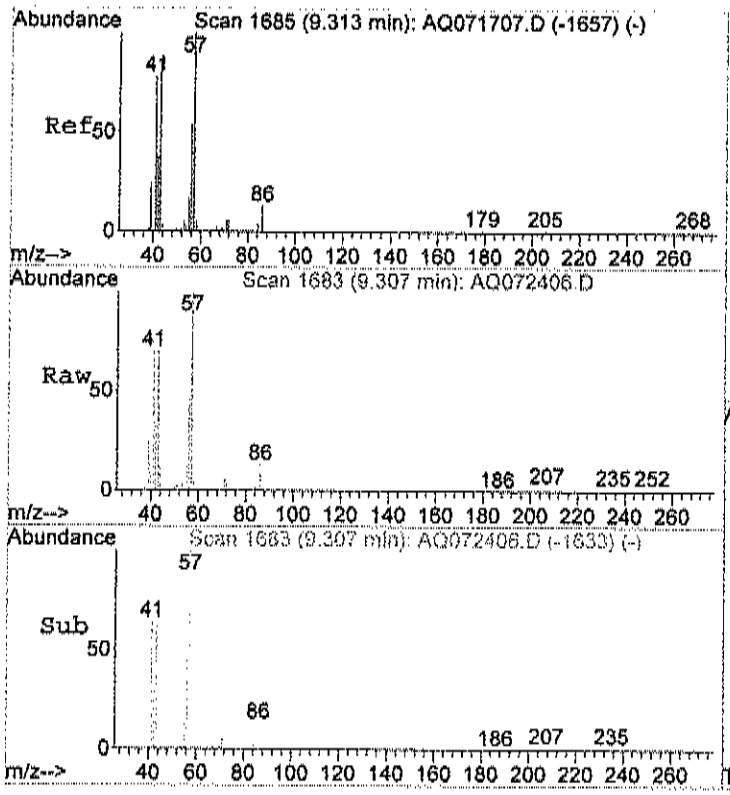


#28
Methyl Ethyl Ketone
Concen: 1.68 ppb
RT: 9.25 min Scan# 1665
Delta R.T. -0.01 min
Lab File: AQ072406.D
Acq: 24 Jul 2019 5:25 pm

Tgt Ion: 72 Resp: 44163

Ion	Ratio	Lower	Upper
72	100		
43	0.0	516.8	556.8#
72	100.0	80.0	120.0

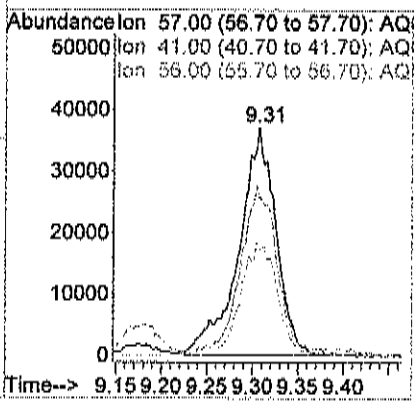


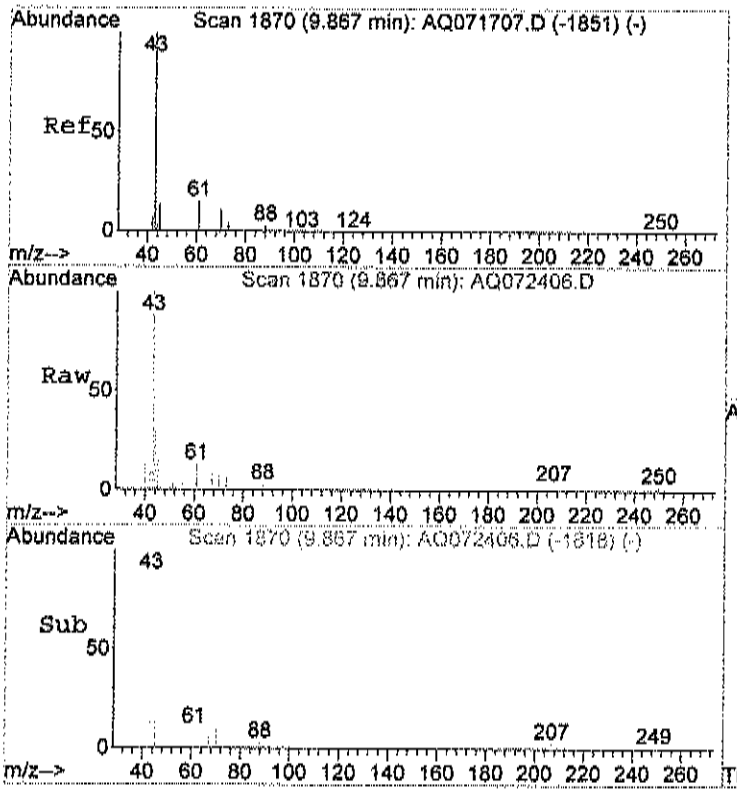


#30
Hexane
Concen: 1.36 ppb
RT: 9.31 min Scan# 1683
Delta R.T. -0.00 min
Lab File: AQ072406.D
Acq: 24 Jul 2019 5:25 pm

Tgt Ion: 57 Resp: 104462

Ion	Ratio	Lower	Upper
57	100		
41	76.7	47.8	87.8
56	49.4	25.8	65.8

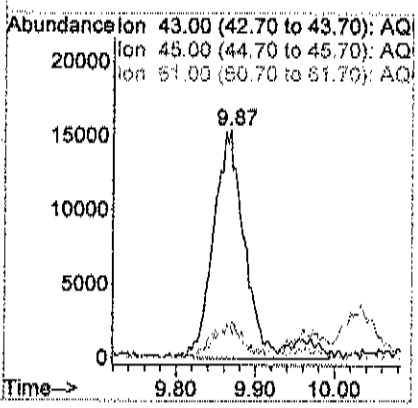


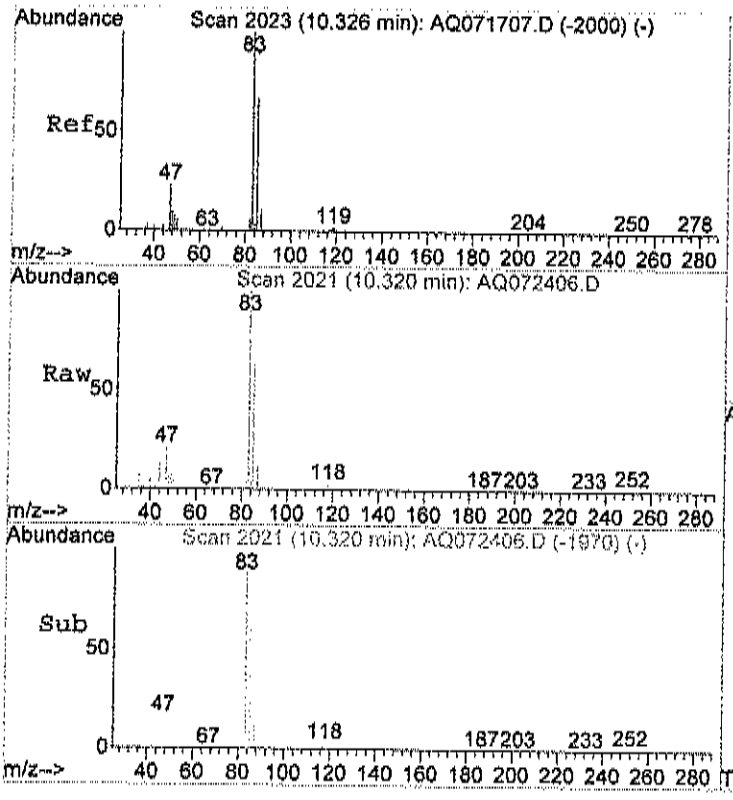


#31
Ethyl acetate
Concen: 0.30 ppb
RT: 9.87 min Scan# 1870
Delta R.T. 0.01 min
Lab File: AQ072406.D
Acq: 24 Jul 2019 5:25 pm

Tgt Ion: 43 Resp: 44359

Ion	Ratio	Lower	Upper
43	100		
45	11.8	0.0	35.0
61	13.6	0.0	36.1

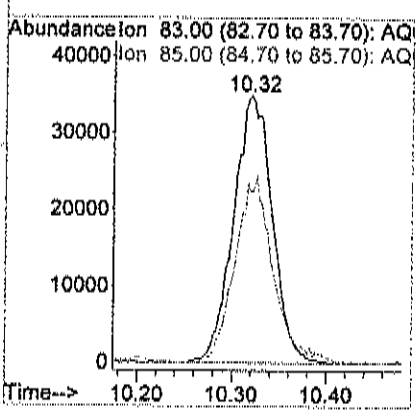


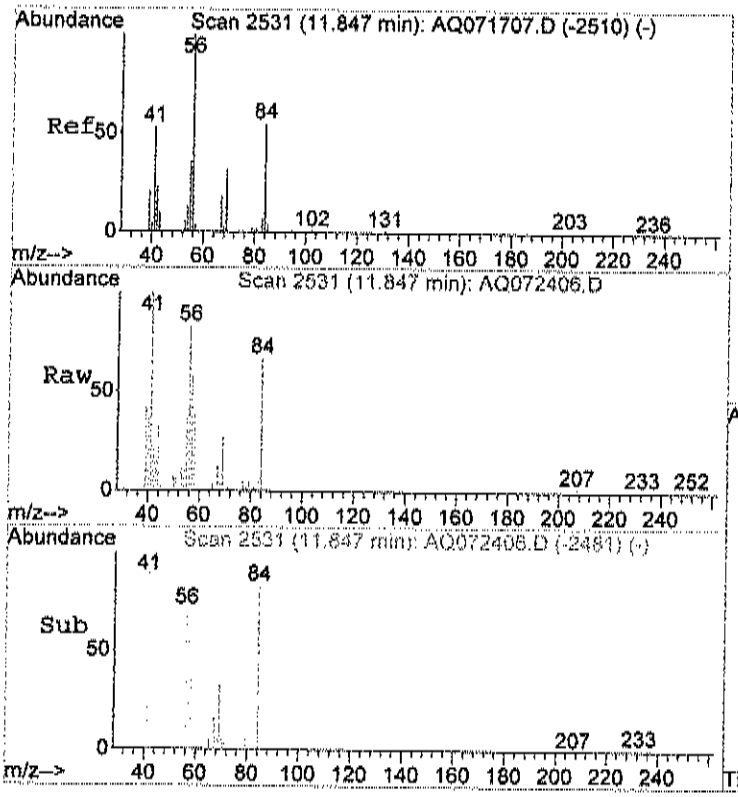


#32
Chloroform
Concen: 0.82 ppb
RT: 10.32 min Scan# 2021
Delta R.T. 0.00 min
Lab File: AQ072406.D
Acq: 24 Jul 2019 5:25 pm

Tgt Ion: 83 Resp: 99771

Ion	Ratio	Lower	Upper
83	100		
85	69.0	46.8	86.8

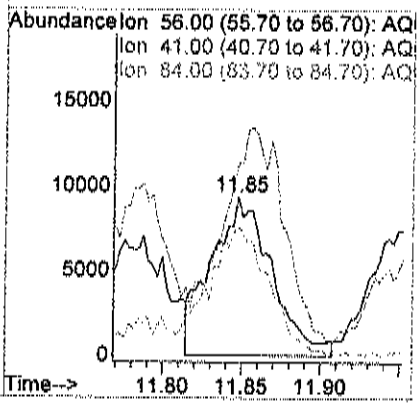


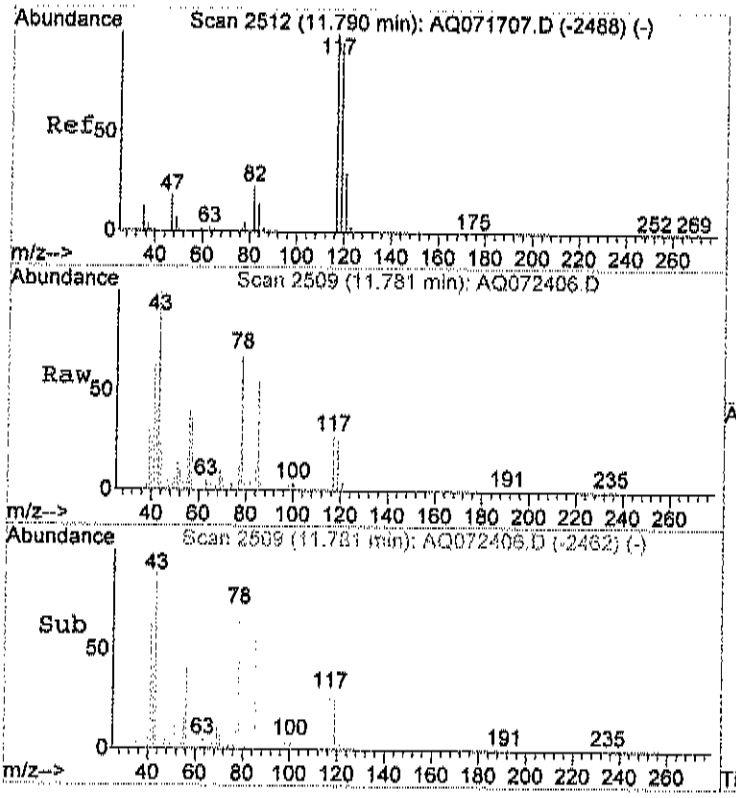


#37
Cyclohexane
Concen: 0.43 ppb m
RT: 11.85 min Scan# 2531
Delta R.T. -0.00 min
Lab File: AQ072406.D
Acq: 24 Jul 2019 5:25 pm

Tgt Ion: 56 Resp: 24947

Ion	Ratio	Lower	Upper
56	100		
41	46.7	33.6	73.6
84	5.1	89.5	129.5#

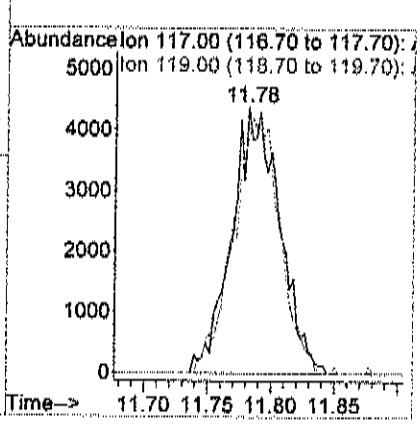


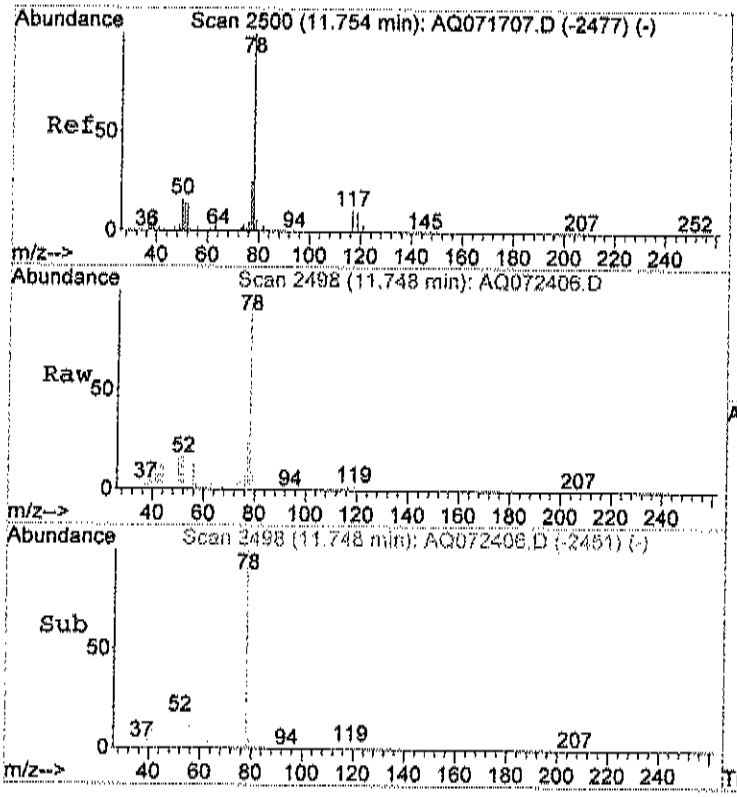


#38
Carbon tetrachloride
Concen: 0.10 ppb
RT: 11.78 min Scan# 2509
Delta R.T. -0.01 min
Lab File: AQ072406.D
Acq: 24 Jul 2019 5:25 pm

Tgt Ion:117 Resp: 11475

Ion	Ratio	Lower	Upper
117	100		
119	95.7	76.1	116.1

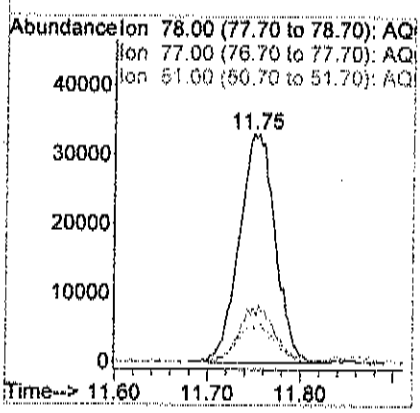


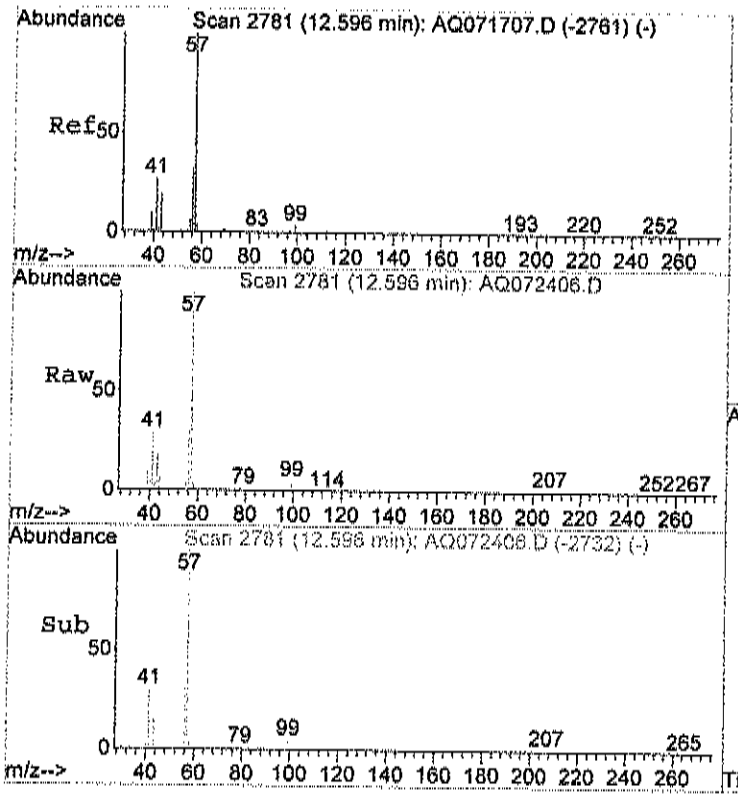


#39
Benzene
Concen: 0.67 ppb
RT: 11.75 min Scan# 2498
Delta R.T. -0.01 min
Lab File: AQ072406.D
Acq: 24 Jul 2019 5:25 pm

Tgt Ion: 78 Resp: 89699

Ion	Ratio	Lower	Upper
78	100		
77	25.6	4.4	44.4
51	22.3	0.0	37.2

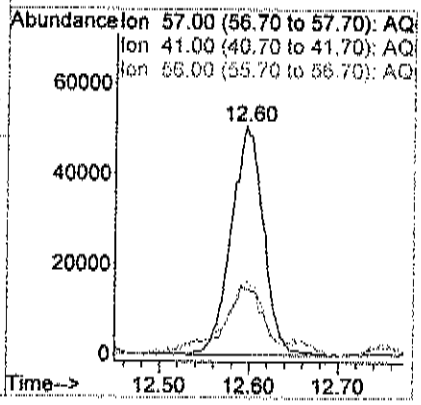


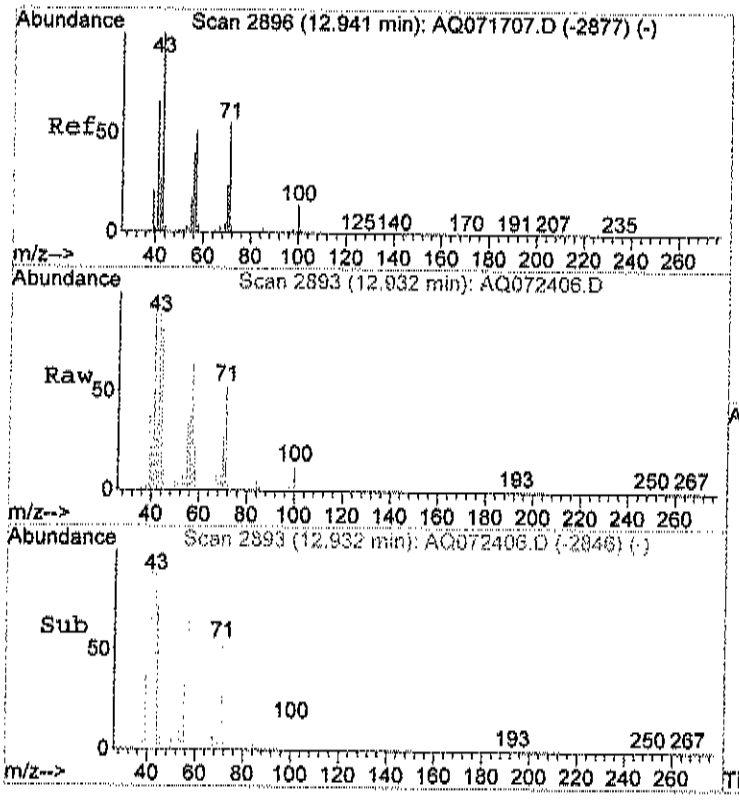


#42
2,2,4-trimethylpentane
Concen: 0.69 ppb
RT: 12.60 min Scan# 2781
Delta R.T. -0.00 min
Lab File: AQ072406.D
Acq: 24 Jul 2019 5:25 pm

Tgt Ion: 57 Resp: 128723

Ion	Ratio	Lower	Upper
57	100		
41	42.3	5.2	45.2
56	45.0	10.8	50.8

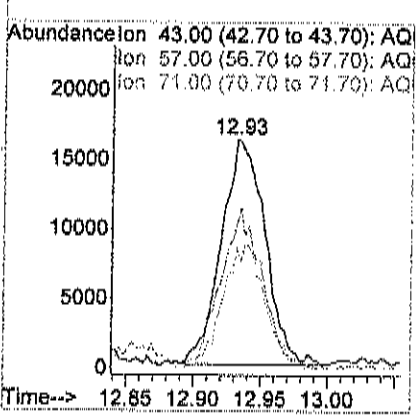


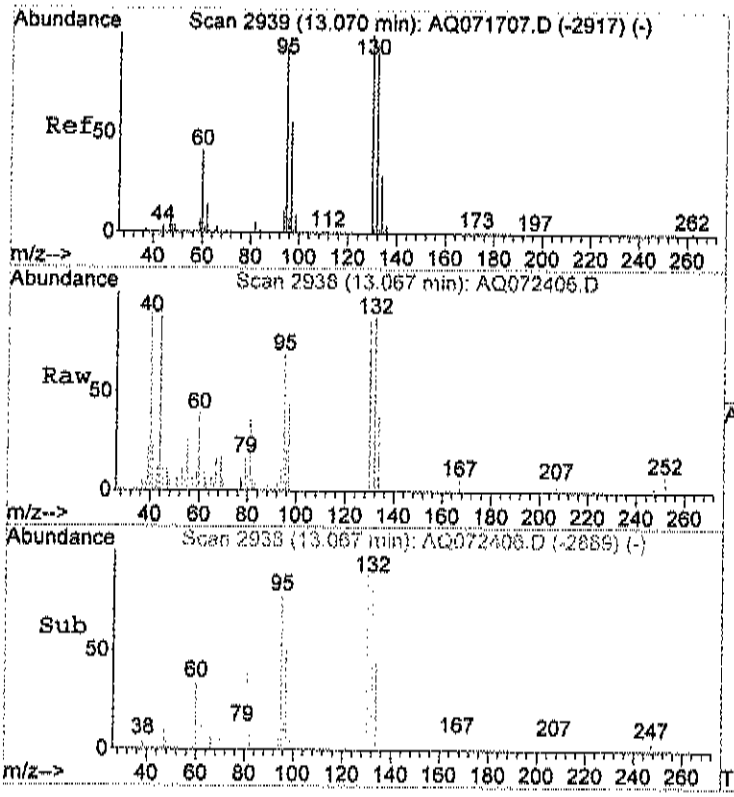


#43
Heptane
Concen: 0.55 ppb
RT: 12.93 min Scan# 2893
Delta R.T. -0.01 min
Lab File: AQ072406.D
Acq: 24 Jul 2019 5:25 pm

Tgt Ion: 43 Resp: 36752

Ion	Ratio	Lower	Upper
43	100		
57	68.1	34.1	74.1
71	53.4	39.6	79.6

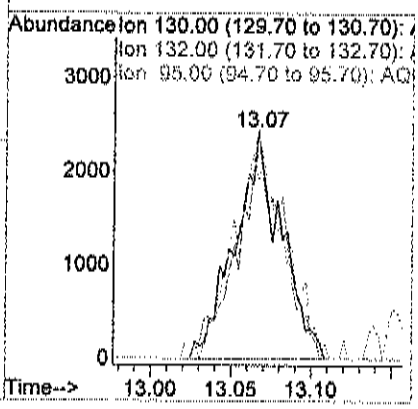


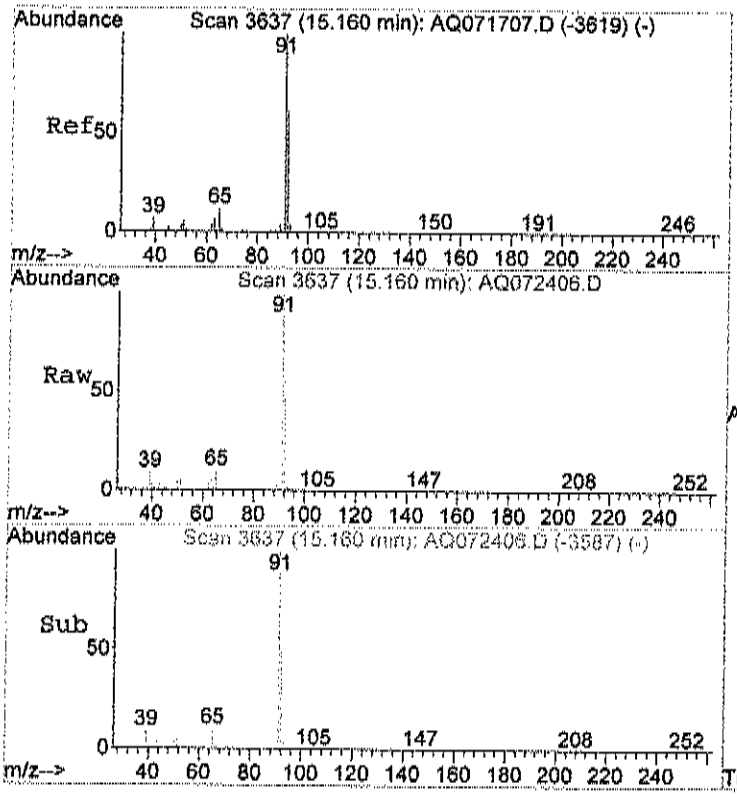


#44
Trichloroethene
Concen: 0.07 ppb
RT: 13.07 min Scan# 2938
Delta R.T. -0.00 min
Lab File: AQ072406.D
Acq: 24 Jul 2019 5:25 pm

Tgt Ion:130 Resp: 4887

Ion	Ratio	Lower	Upper
130	100		
132	96.0	74.1	114.1
95	102.5	81.6	121.6

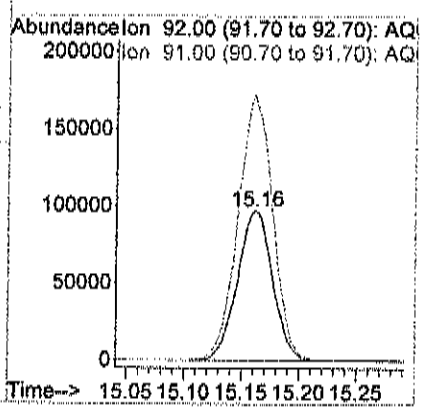


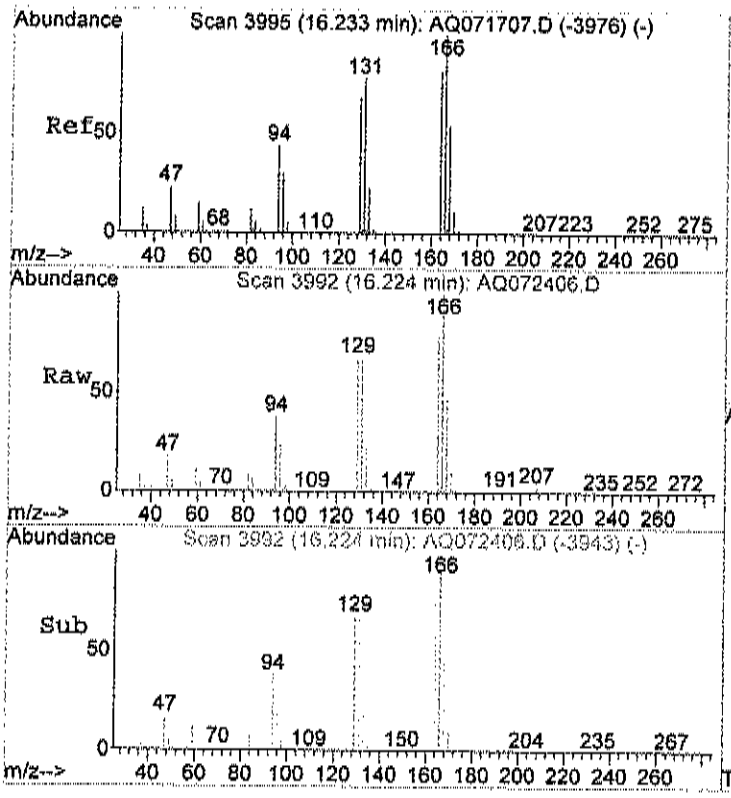


#51
Toluene
Concen: 1.77 ppb
RT: 15.16 min Scan# 3637
Delta R.T. -0.00 min
Lab File: AQ072406.D
Acq: 24 Jul 2019 5:25 pm

Tgt Ion: 92 Resp: 205619

Ion	Ratio	Lower	Upper
92	100		
91	176.2	153.2	193.2

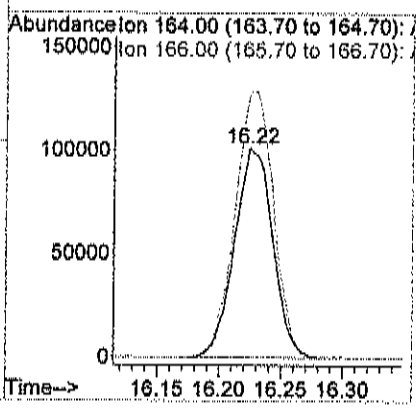


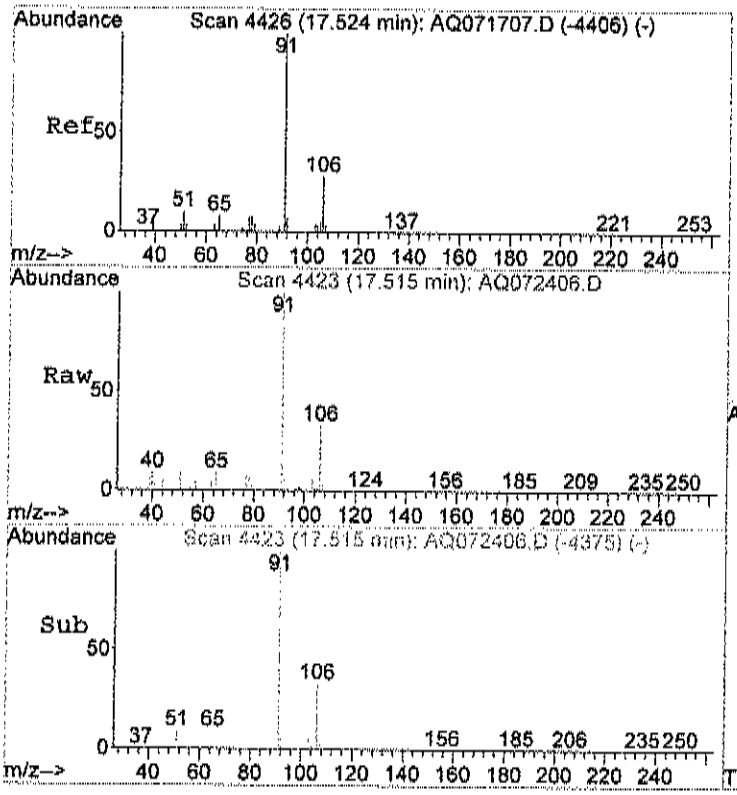


#56
Tetrachloroethylene
Concen: 2.31 ppb
RT: 16.22 min Scan# 3992
Delta R.T. -0.00 min
Lab File: AQ072406.D
Acq: 24 Jul 2019 5:25 pm

Tgt Ion:164 Resp: 217391

Ion	Ratio	Lower	Upper
164	100		
166	128.3	108.8	148.8

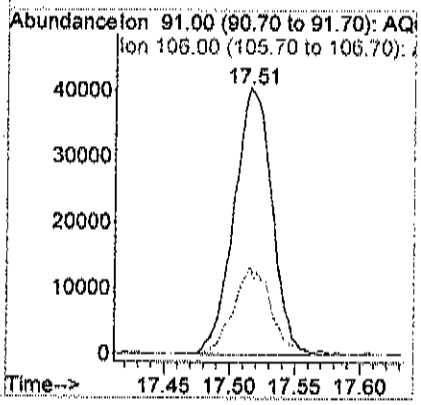


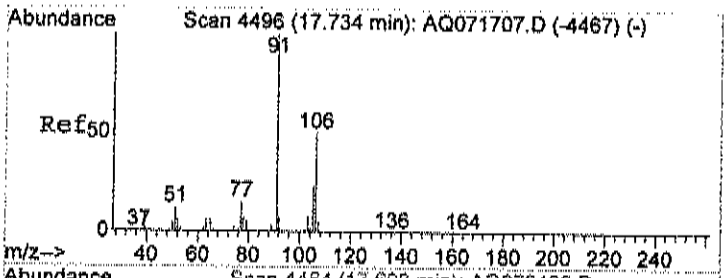


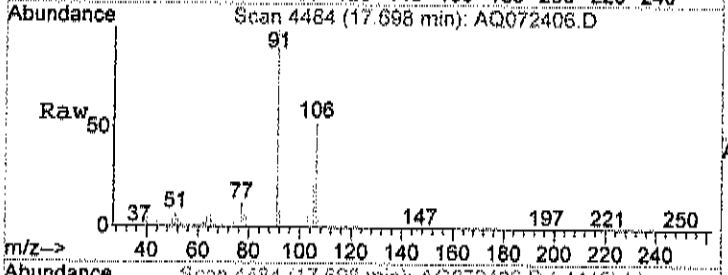
#58
Ethylbenzene
Concen: 0.37 ppb
RT: 17.51 min Scan# 4423
Delta R.T. -0.01 min
Lab File: AQ072406.D
Acq: 24 Jul 2019 5:25 pm

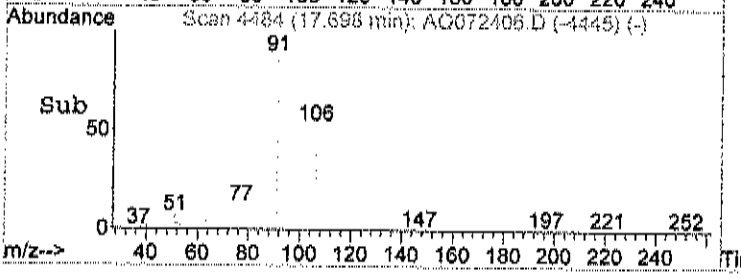
Tgt Ion: 91 Resp: 81893

Ion	Ratio	Lower	Upper
91	100		
106	32.0	11.9	51.9





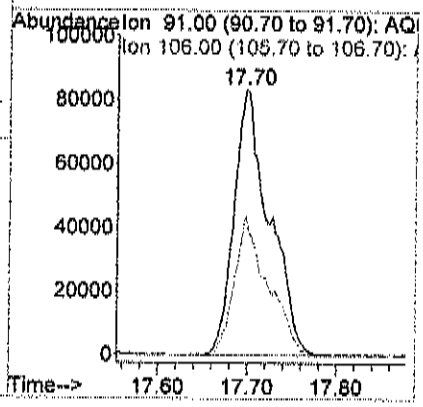


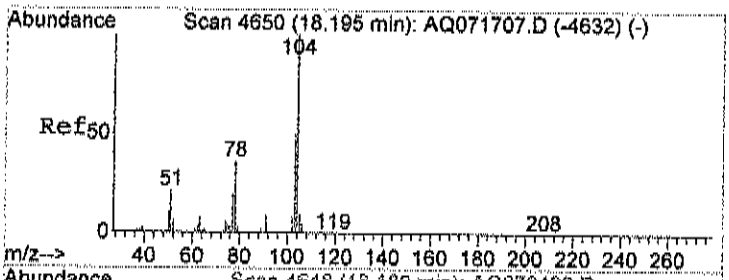


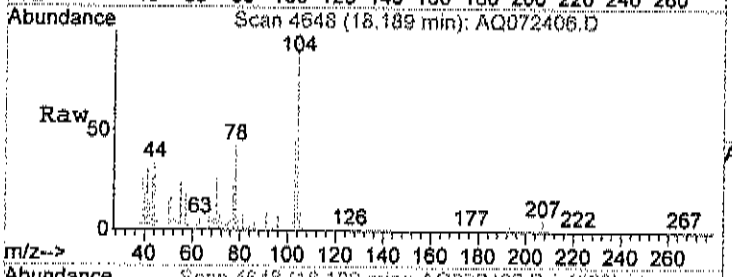
#59
m&p-xylene
Concen: 1.32 ppb
RT: 17.70 min Scan# 4484
Delta R.T. -0.03 min
Lab File: AQ072406.D
Acq: 24 Jul 2019 5:25 pm

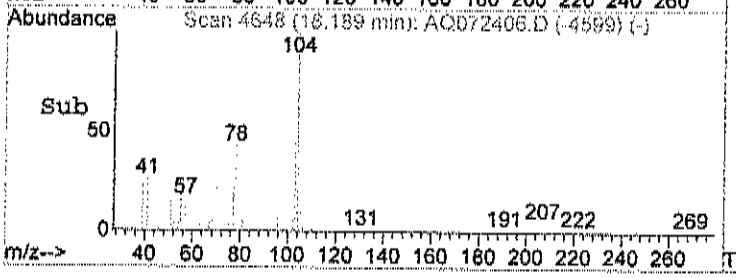
Tgt Ion: 91 Resp: 230341

Ion	Ratio	Lower	Upper
91	100		
106	49.6	29.3	69.3





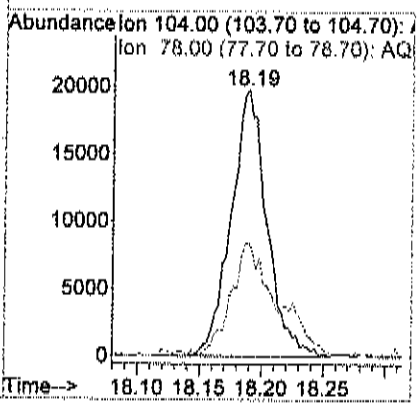


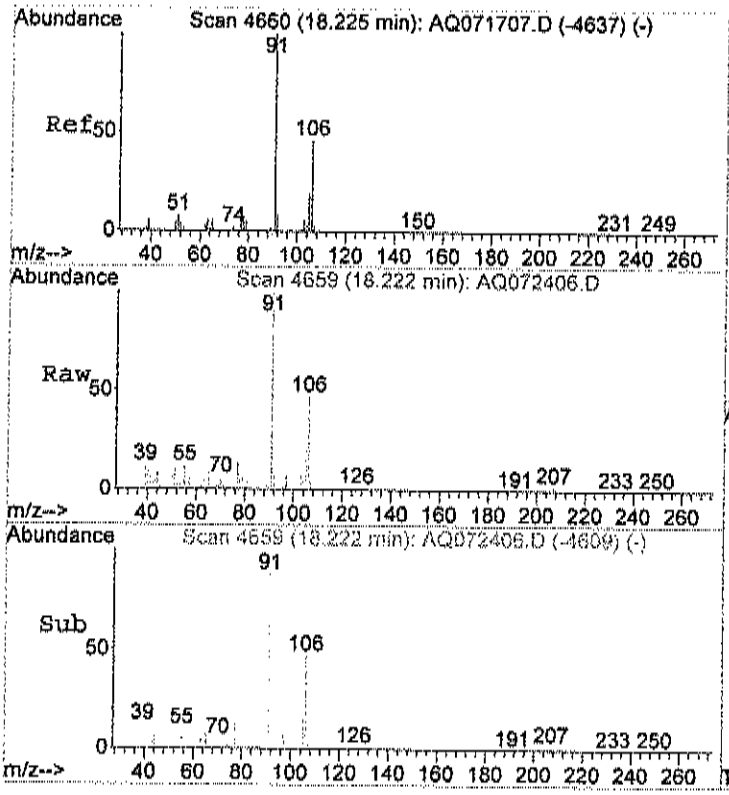


#61
Styrene
Concen: 0.29 ppb
RT: 18.19 min Scan# 4648
Delta R.T. -0.00 min
Lab File: AQ072406.D
Acq: 24 Jul 2019 5:25 pm

Tgt Ion:104 Resp: 39827

Ion	Ratio	Lower	Upper
104	100		
78	55.4	31.3	71.3

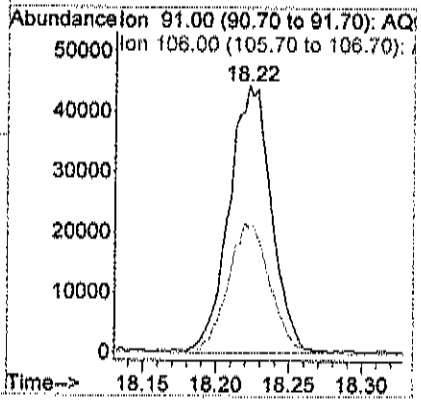


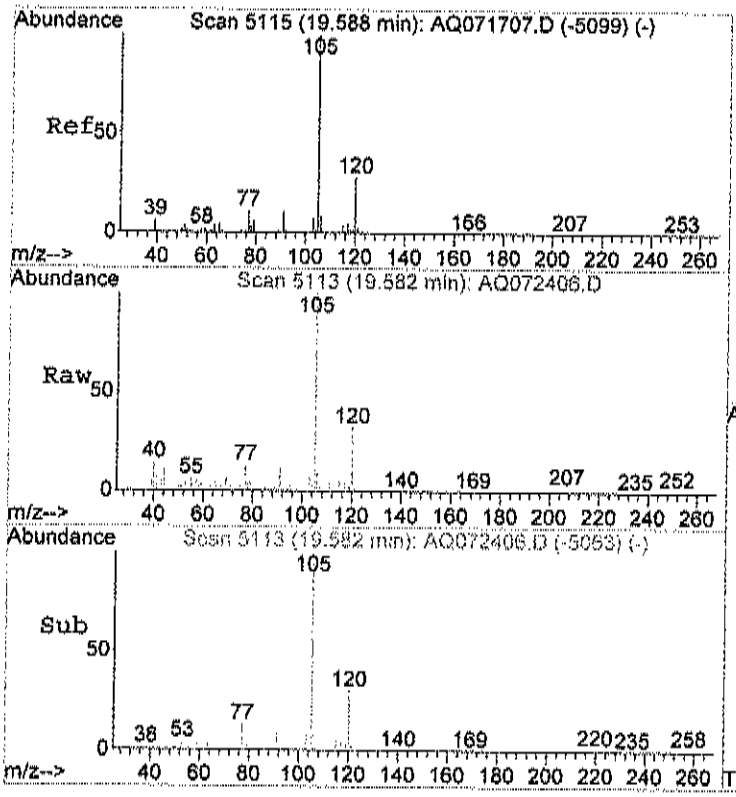


#63
o-xylene
Concen: 0.46 ppb
RT: 18.22 min Scan# 4659
Delta R.T. -0.00 min
Lab File: AQ072406.D
Acq: 24 Jul 2019 5:25 pm

Tgt Ion: 91 Resp: 89435

Ion	Ratio	Lower	Upper
91	100		
106	47.8	26.9	66.9

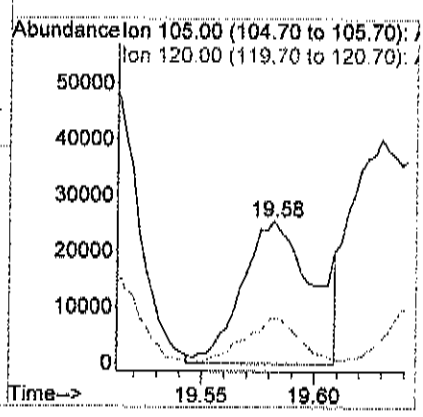


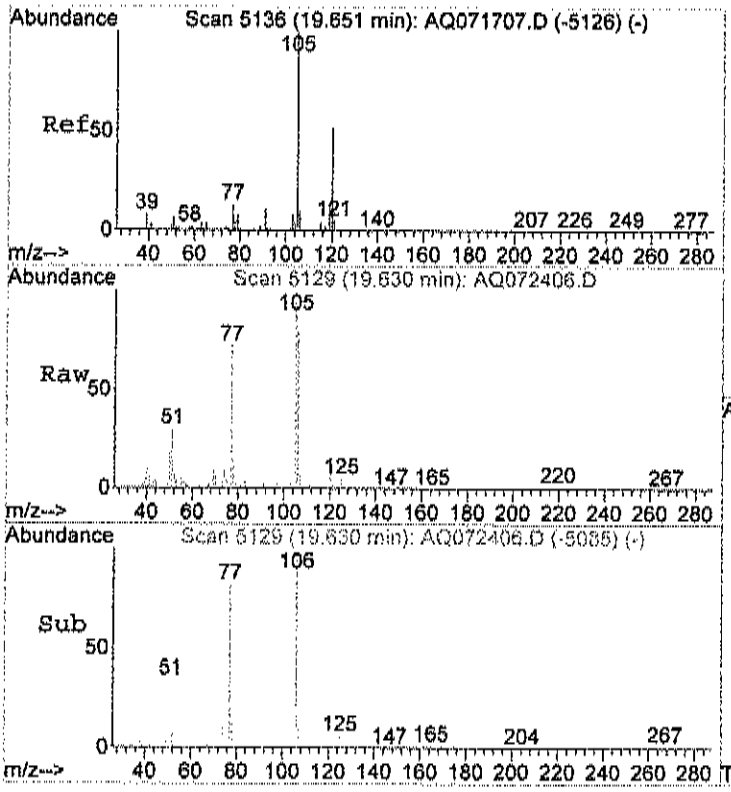


#69
4-ethyltoluene
Concen: 0.23 ppb m
RT: 19.58 min Scan# 5113
Delta R.T. -0.00 min
Lab File: AQ072406.D
Acq: 24 Jul 2019 5:25 pm

Tgt Ion:105 Resp: 55812

Ion	Ratio	Lower	Upper
105	100		
120	40.5	10.3	50.3

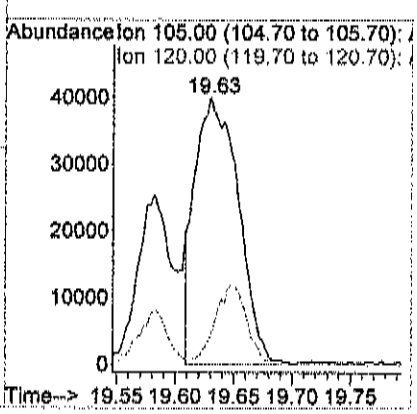


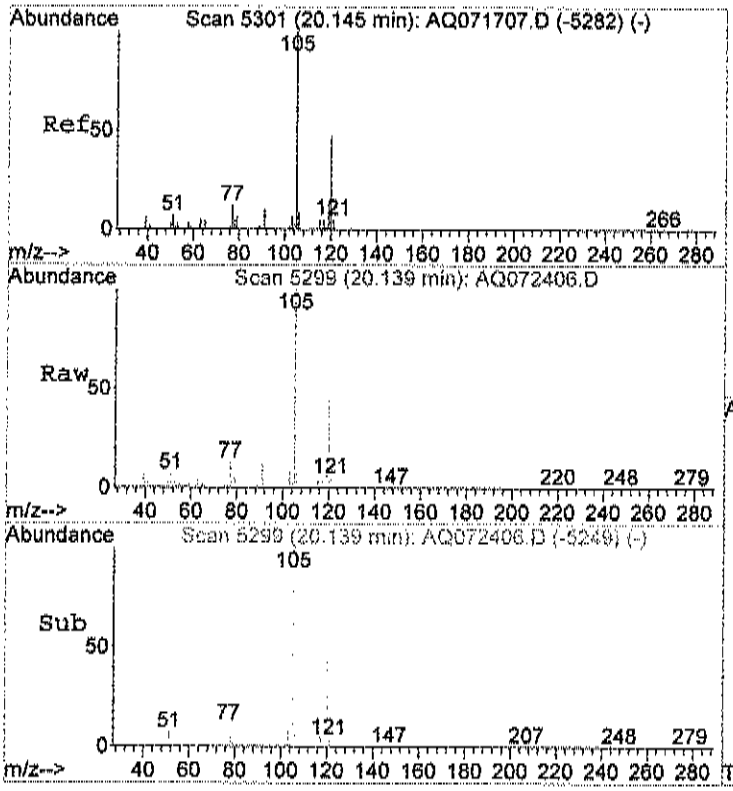


#70
1,3,5-trimethylbenzene
Concen: 0.50 ppb m
RT: 19.63 min Scan# 5129
Delta R.T. -0.02 min
Lab File: AQ072406.D
Acq: 24 Jul 2019 5:25 pm

Tgt Ion:105 Resp: 104165

Ion	Ratio	Lower	Upper
105	100		
120	21.7	27.8	67.8#

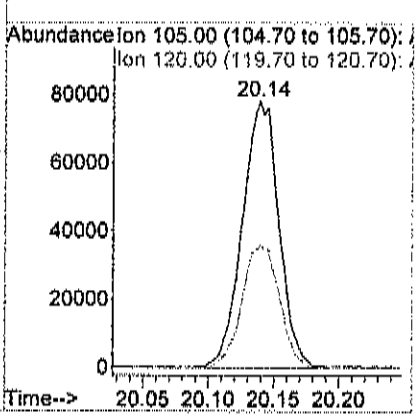


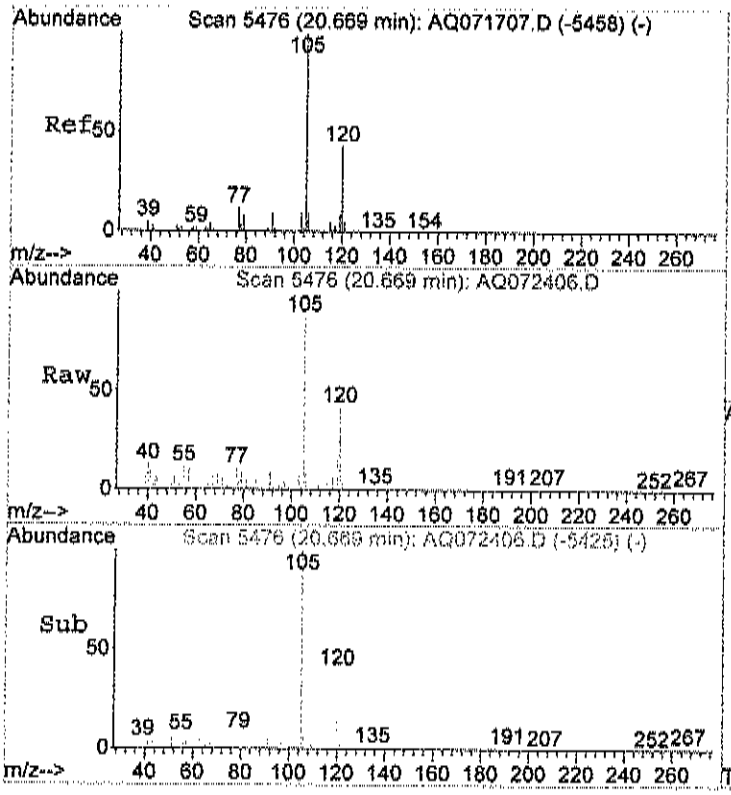


#71
1,2,4-trimethylbenzene
Concen: 0.84 ppb
RT: 20.14 min Scan# 5299
Delta R.T. -0.00 min
Lab File: AQ072406.D
Acq: 24 Jul 2019 5:25 pm

Tgt Ion:105 Resp: 151382

Ion	Ratio	Lower	Upper
105	100		
120	47.0	25.0	65.0

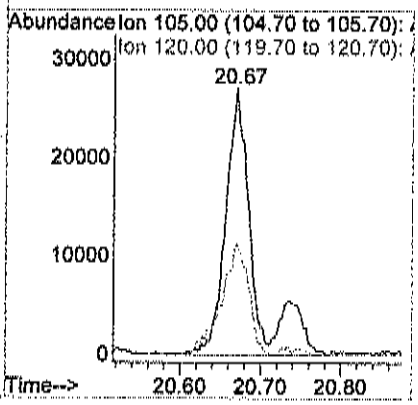




#75
1,2,3-trimethylbenzene
Concen: 0.32 ppb
RT: 20.67 min Scan# 5476
Delta R.T. 0.00 min
Lab File: AQ072406.D
Acq: 24 Jul 2019 5:25 pm

Tgt Ion:105 Resp: 64405

Ion	Ratio	Lower	Upper
105	100		
120	41.3	32.0	53.4



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AQ072423.D
Acq On : 25 Jul 2019 6:15 am
Sample : C1907049-001A 10X
Misc : A717_1UG
MS Integration Params: RTEINT.P
Quant Time: Jul 25 11:40:52 2019

Vial: 20
Operator: RJP
Inst : MSD #1
Multiplr: 1.00

Quant Results File: A717_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A717_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed Jul 17 21:42:36 2019
Response via : Initial Calibration
DataAcq Meth : 1UG_ENT

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	10.16	128	33243	1.00	ppb		0.00
35) 1,4-difluorobenzene	12.42	114	116636	1.00	ppb		0.00
50) Chlorobenzene-d5	17.19	117	114062	1.00	ppb		0.00
System Monitoring Compounds							
65) Bromofluorobenzene	18.93	95	62487	0.92	ppb		0.00
Spiked Amount 1.000	Range 70 - 130		Recovery = 92.00%				
Target Compounds							Qvalue
15) Acetone	6.30	58	30343m	1.13	ppb		
17) Isopropyl alcohol	6.41	45	229177	2.38	ppb	#	14
56) Tetrachloroethylene	16.22	164	16768	0.24	ppb		97

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

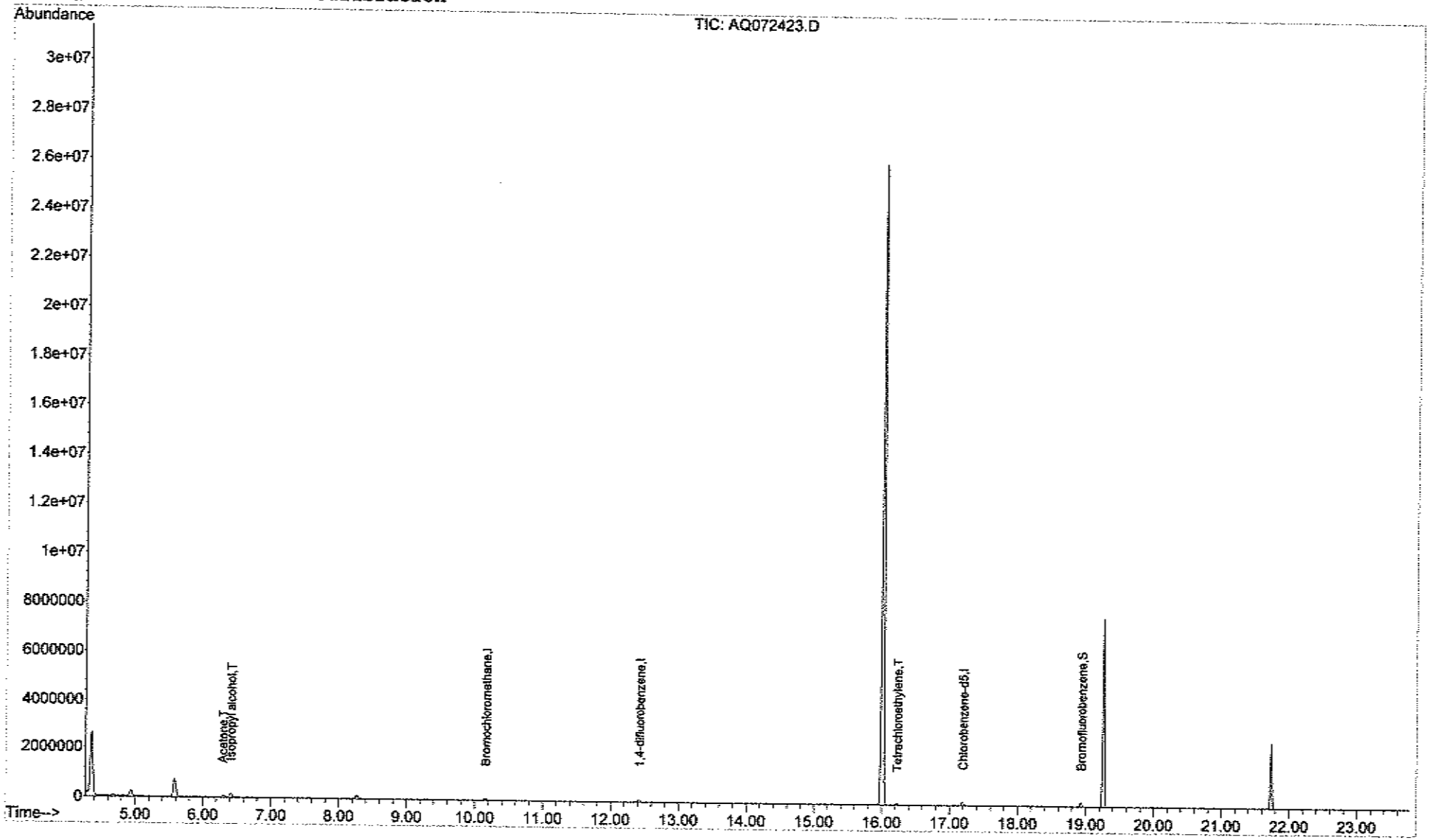
Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AQ072423.D
Acq On : 25 Jul 2019 6:15 am
Sample : C1907049-001A 10X
Misc : A717_1UG
MS Integration Params: RTEINT.P
Quant Time: Jul 26 10:29 2019

Vial: 20
Operator: RJP
Inst : MSD #1
Multiplr: 1.00

Quant Results File: A717_1UG.RES

Method : C:\HPCHEM\1\METHODS\A717_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed Jul 17 21:42:36 2019
Response via : Initial Calibration



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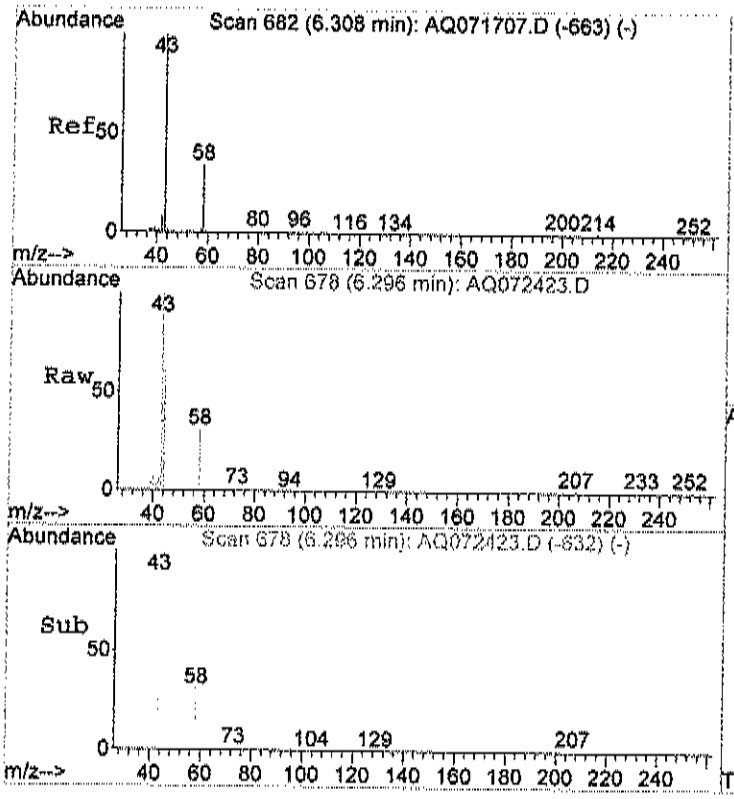
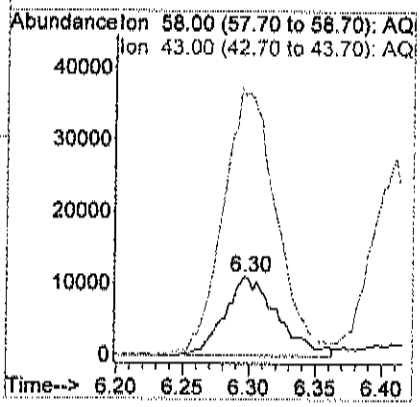
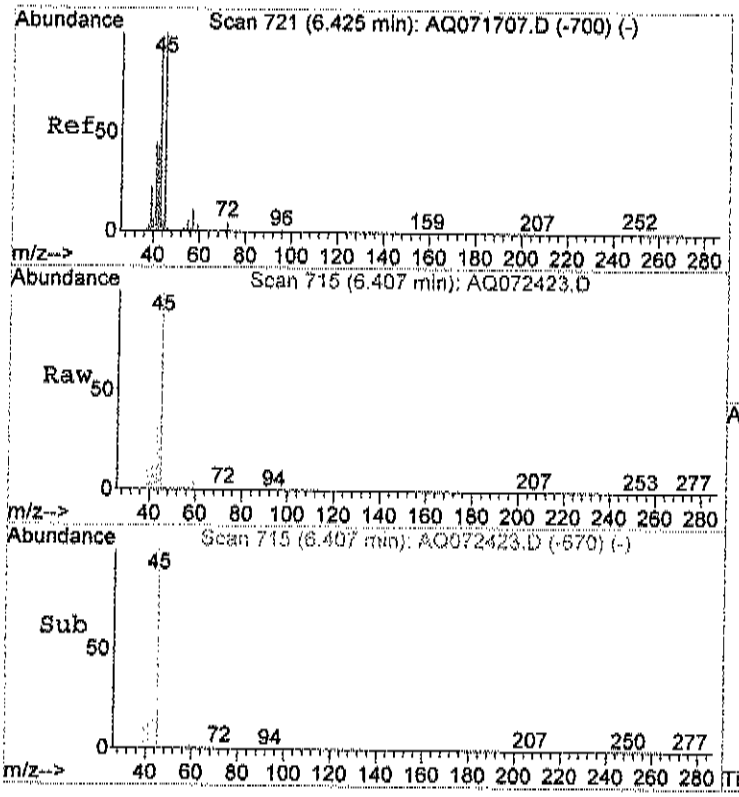


#15
Acetone
Concen: 1.13 ppb m
RT: 6.30 min Scan# 678
Delta R.T. -0.01 min
Lab File: AQ072423.D
Acq: 25 Jul 2019 6:15 am

Tgt Ion: 58 Resp: 30343

Ion	Ratio	Lower	Upper
58	100		
43	349.7	227.7	287.7#

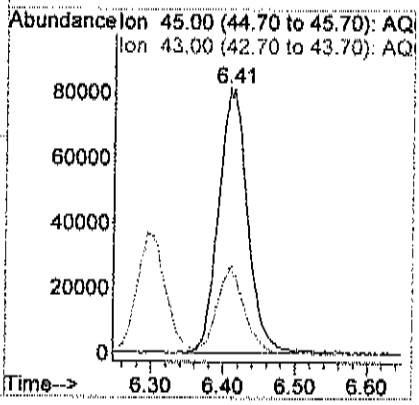


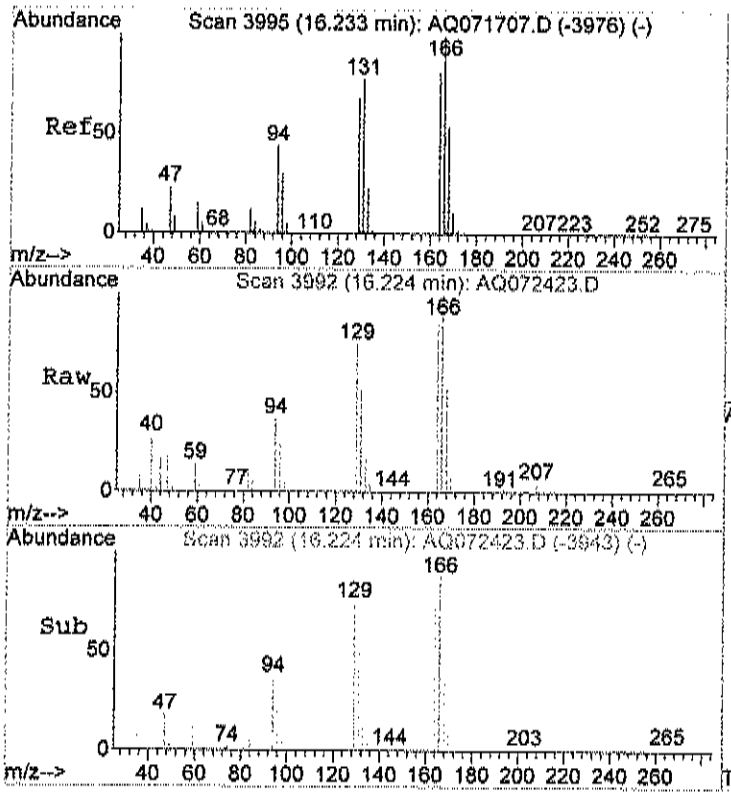


#17
Isopropyl alcohol
Concen: 2.38 ppb
RT: 6.41 min Scan# 715
Delta R.T. -0.02 min
Lab File: AQ072423.D
Acq: 25 Jul 2019 6:15 am

Tgt Ion: 45 Resp: 229177

Ion	Ratio	Lower	Upper
45	100		
43	30.9	113.1	153.1#

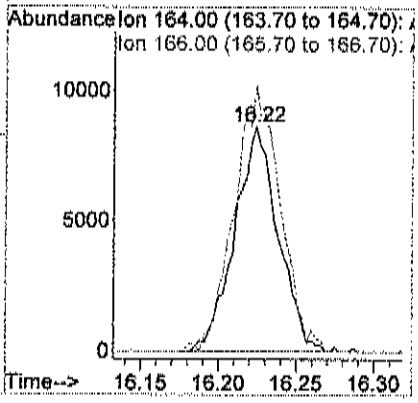




#56
Tetrachloroethylene
Concen: 0.24 ppb
RT: 16.22 min Scan# 3992
Delta R.T. -0.00 min
Lab File: AQ072423.D
Acq: 25 Jul 2019 6:15 am

Tgt Ion:164 Resp: 16768

Ion	Ratio	Lower	Upper
164	100		
166	125.3	108.8	148.8



Centek Laboratories, LLC

Date: *30-Aug-19*

CLIENT:	LaBella Associates, P.C.	**Client Sample ID:**	113-2
Lab Order:	C1907049	**Tag Number:**	316,337
Project:	113-117 Clinton North	**Collection Date:**	7/17/2019
Lab ID:	C1907049-002A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		FLD				Analyst:
Lab Vacuum In	-3			"Hg		7/22/2019
Lab Vacuum Out	-30			"Hg		7/22/2019
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		TO-15				Analyst: RJP
1,1,1-Trichloroethane	< 0.15	0.15		ppbV	1	7/24/2019 6:10:00 PM
1,1,2,2-Tetrachloroethane	< 0.15	0.15		ppbV	1	7/24/2019 6:10:00 PM
1,1,2-Trichloroethane	< 0.15	0.15		ppbV	1	7/24/2019 6:10:00 PM
1,1-Dichloroethane	< 0.15	0.15		ppbV	1	7/24/2019 6:10:00 PM
1,1-Dichloroethene	< 0.040	0.040		ppbV	1	7/24/2019 6:10:00 PM
1,2,4-Trichlorobenzene	< 0.15	0.15		ppbV	1	7/24/2019 6:10:00 PM
1,2,4-Trimethylbenzene	0.84	0.15		ppbV	1	7/24/2019 6:10:00 PM
1,2-Dibromoethane	< 0.15	0.15		ppbV	1	7/24/2019 6:10:00 PM
1,2-Dichlorobenzene	< 0.15	0.15		ppbV	1	7/24/2019 6:10:00 PM
1,2-Dichloroethane	< 0.15	0.15		ppbV	1	7/24/2019 6:10:00 PM
1,2-Dichloropropane	< 0.15	0.15		ppbV	1	7/24/2019 6:10:00 PM
1,3,5-Trimethylbenzene	0.52	0.15		ppbV	1	7/24/2019 6:10:00 PM
1,3-butadiene	< 0.15	0.15		ppbV	1	7/24/2019 6:10:00 PM
1,3-Dichlorobenzene	< 0.15	0.15		ppbV	1	7/24/2019 6:10:00 PM
1,4-Dichlorobenzene	< 0.15	0.15		ppbV	1	7/24/2019 6:10:00 PM
1,4-Dioxane	< 0.30	0.30		ppbV	1	7/24/2019 6:10:00 PM
2,2,4-trimethylpentane	0.68	0.15		ppbV	1	7/24/2019 6:10:00 PM
4-ethyltoluene	0.19	0.15		ppbV	1	7/24/2019 6:10:00 PM
Acetone	14	3.0		ppbV	10	7/25/2019 6:59:00 AM
Allyl chloride	< 0.15	0.15		ppbV	1	7/24/2019 6:10:00 PM
Benzene	0.65	0.15		ppbV	1	7/24/2019 6:10:00 PM
Benzyl chloride	< 0.15	0.15		ppbV	1	7/24/2019 6:10:00 PM
Bromodichloromethane	< 0.15	0.15		ppbV	1	7/24/2019 6:10:00 PM
Bromoform	< 0.15	0.15		ppbV	1	7/24/2019 6:10:00 PM
Bromomethane	< 0.15	0.15		ppbV	1	7/24/2019 6:10:00 PM
Carbon disulfide	< 0.15	0.15		ppbV	1	7/24/2019 6:10:00 PM
Carbon tetrachloride	0.090	0.030		ppbV	1	7/24/2019 6:10:00 PM
Chlorobenzene	< 0.15	0.15		ppbV	1	7/24/2019 6:10:00 PM
Chloroethane	< 0.15	0.15		ppbV	1	7/24/2019 6:10:00 PM
Chloroform	0.82	0.15		ppbV	1	7/24/2019 6:10:00 PM
Chloromethane	0.81	0.15		ppbV	1	7/24/2019 6:10:00 PM
cis-1,2-Dichloroethene	< 0.040	0.040		ppbV	1	7/24/2019 6:10:00 PM
cis-1,3-Dichloropropene	< 0.15	0.15		ppbV	1	7/24/2019 6:10:00 PM
Cyclohexane	0.40	0.15		ppbV	1	7/24/2019 6:10:00 PM
Dibromochloromethane	< 0.15	0.15		ppbV	1	7/24/2019 6:10:00 PM
Ethyl acetate	0.45	0.15		ppbV	1	7/24/2019 6:10:00 PM

Qualifiers:

**	Quantitation Limit
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

Centek Laboratories, LLC

Date: *30-Aug-19*

CLIENT:	LaBella Associates, P.C.	**Client Sample ID:**	113-2
Lab Order:	C1907049	**Tag Number:**	316,337
Project:	113-117 Clinton North	**Collection Date:**	7/17/2019
Lab ID:	C1907049-002A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		**TO-15**				Analyst: **RJP**
Ethylbenzene	0.39	0.15		ppbV	1	7/24/2019 6:10:00 PM
Freon 11	0.27	0.15		ppbV	1	7/24/2019 6:10:00 PM
Freon 113	< 0.15	0.15		ppbV	1	7/24/2019 6:10:00 PM
Freon 114	< 0.15	0.15		ppbV	1	7/24/2019 6:10:00 PM
Freon 12	< 0.15	0.15		ppbV	1	7/24/2019 6:10:00 PM
Heptane	0.51	0.15		ppbV	1	7/24/2019 6:10:00 PM
Hexachloro-1,3-butadiene	< 0.15	0.15		ppbV	1	7/24/2019 6:10:00 PM
Hexane	1.4	0.15		ppbV	1	7/24/2019 6:10:00 PM
Isopropyl alcohol	23	1.5		ppbV	10	7/25/2019 6:59:00 AM
m&p-Xylene	1.5	0.30		ppbV	1	7/24/2019 6:10:00 PM
Methyl Butyl Ketone	< 0.30	0.30		ppbV	1	7/24/2019 6:10:00 PM
Methyl Ethyl Ketone	1.7	0.30		ppbV	1	7/24/2019 6:10:00 PM
Methyl Isobutyl Ketone	< 0.30	0.30		ppbV	1	7/24/2019 6:10:00 PM
Methyl tert-butyl ether	< 0.15	0.15		ppbV	1	7/24/2019 6:10:00 PM
Methylene chloride	0.50	0.15		ppbV	1	7/24/2019 6:10:00 PM
o-Xylene	0.51	0.15		ppbV	1	7/24/2019 6:10:00 PM
Propylene	< 0.15	0.15		ppbV	1	7/24/2019 6:10:00 PM
Styrene	0.29	0.15		ppbV	1	7/24/2019 6:10:00 PM
Tetrachloroethylene	2.5	1.5		ppbV	10	7/25/2019 6:59:00 AM
Tetrahydrofuran	< 0.15	0.15		ppbV	1	7/24/2019 6:10:00 PM
Toluene	2.0	1.5		ppbV	10	7/25/2019 6:59:00 AM
trans-1,2-Dichloroethene	< 0.15	0.15		ppbV	1	7/24/2019 6:10:00 PM
trans-1,3-Dichloropropene	< 0.15	0.15		ppbV	1	7/24/2019 6:10:00 PM
Trichloroethene	< 0.030	0.030		ppbV	1	7/24/2019 6:10:00 PM
Vinyl acetate	< 0.15	0.15		ppbV	1	7/24/2019 6:10:00 PM
Vinyl Bromide	< 0.15	0.15		ppbV	1	7/24/2019 6:10:00 PM
Vinyl chloride	< 0.040	0.040		ppbV	1	7/24/2019 6:10:00 PM
Surr: Bromofluorobenzene	108	70-130		%REC	1	7/24/2019 6:10:00 PM

Qualifiers:

**	Quantitation Limit	.	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		

Centek Laboratories, LLC

Date: *30-Aug-19*

CLIENT:	LaBella Associates, P.C.	**Client Sample ID:**	113-2
Lab Order:	C1907049	**Tag Number:**	316,337
Project:	113-117 Clinton North	**Collection Date:**	7/17/2019
Lab ID:	C1907049-002A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	< 0.82	0.82		ug/m3	1	7/24/2019 6:10:00 PM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		ug/m3	1	7/24/2019 6:10:00 PM
1,1,2-Trichloroethane	< 0.82	0.82		ug/m3	1	7/24/2019 6:10:00 PM
1,1-Dichloroethane	< 0.61	0.61		ug/m3	1	7/24/2019 6:10:00 PM
1,1-Dichloroethene	< 0.16	0.16		ug/m3	1	7/24/2019 6:10:00 PM
1,2,4-Trichlorobenzene	< 1.1	1.1		ug/m3	1	7/24/2019 6:10:00 PM
1,2,4-Trimethylbenzene	4.1	0.74		ug/m3	1	7/24/2019 6:10:00 PM
1,2-Dibromoethane	< 1.2	1.2		ug/m3	1	7/24/2019 6:10:00 PM
1,2-Dichlorobenzene	< 0.90	0.90		ug/m3	1	7/24/2019 6:10:00 PM
1,2-Dichloroethane	< 0.61	0.61		ug/m3	1	7/24/2019 6:10:00 PM
1,2-Dichloropropane	< 0.69	0.69		ug/m3	1	7/24/2019 6:10:00 PM
1,3,5-Trimethylbenzene	2.6	0.74		ug/m3	1	7/24/2019 6:10:00 PM
1,3-butadiene	< 0.33	0.33		ug/m3	1	7/24/2019 6:10:00 PM
1,3-Dichlorobenzene	< 0.90	0.90		ug/m3	1	7/24/2019 6:10:00 PM
1,4-Dichlorobenzene	< 0.90	0.90		ug/m3	1	7/24/2019 6:10:00 PM
1,4-Dioxane	< 1.1	1.1		ug/m3	1	7/24/2019 6:10:00 PM
2,2,4-trimethylpentane	3.2	0.70		ug/m3	1	7/24/2019 6:10:00 PM
4-ethyltoluene	0.93	0.74		ug/m3	1	7/24/2019 6:10:00 PM
Acetone	34	7.1		ug/m3	10	7/25/2019 6:59:00 AM
Allyl chloride	< 0.47	0.47		ug/m3	1	7/24/2019 6:10:00 PM
Benzene	2.1	0.48		ug/m3	1	7/24/2019 6:10:00 PM
Benzyl chloride	< 0.86	0.86		ug/m3	1	7/24/2019 6:10:00 PM
Bromodichloromethane	< 1.0	1.0		ug/m3	1	7/24/2019 6:10:00 PM
Bromoform	< 1.6	1.6		ug/m3	1	7/24/2019 6:10:00 PM
Bromomethane	< 0.58	0.58		ug/m3	1	7/24/2019 6:10:00 PM
Carbon disulfide	< 0.47	0.47		ug/m3	1	7/24/2019 6:10:00 PM
Carbon tetrachloride	0.57	0.19		ug/m3	1	7/24/2019 6:10:00 PM
Chlorobenzene	< 0.69	0.69		ug/m3	1	7/24/2019 6:10:00 PM
Chloroethane	< 0.40	0.40		ug/m3	1	7/24/2019 6:10:00 PM
Chloroform	4.0	0.73		ug/m3	1	7/24/2019 6:10:00 PM
Chloromethane	1.7	0.31		ug/m3	1	7/24/2019 6:10:00 PM
cis-1,2-Dichloroethene	< 0.16	0.16		ug/m3	1	7/24/2019 6:10:00 PM
cis-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	7/24/2019 6:10:00 PM
Cyclohexane	1.4	0.52		ug/m3	1	7/24/2019 6:10:00 PM
Dibromochloromethane	< 1.3	1.3		ug/m3	1	7/24/2019 6:10:00 PM
Ethyl acetate	1.6	0.54		ug/m3	1	7/24/2019 6:10:00 PM
Ethylbenzene	1.7	0.65		ug/m3	1	7/24/2019 6:10:00 PM
Freon 11	1.5	0.84		ug/m3	1	7/24/2019 6:10:00 PM
Freon 113	< 1.1	1.1		ug/m3	1	7/24/2019 6:10:00 PM
Freon 114	< 1.0	1.0		ug/m3	1	7/24/2019 6:10:00 PM

Qualifiers:

**	Quantitation Limit	.	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		

Centek Laboratories, LLC

Date: *30-Aug-19*

CLIENT:	LaBella Associates, P.C.	**Client Sample ID:**	113-2
Lab Order:	C1907049	**Tag Number:**	316,337
Project:	113-117 Clinton North	**Collection Date:**	7/17/2019
Lab ID:	C1907049-002A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		**TO-15**				Analyst: **RJP**
Freon 12	< 0.74	0.74		ug/m3	1	7/24/2019 6:10:00 PM
Heptane	2.1	0.61		ug/m3	1	7/24/2019 6:10:00 PM
Hexachloro-1,3-butadiene	< 1.6	1.6		ug/m3	1	7/24/2019 6:10:00 PM
Hexane	4.8	0.53		ug/m3	1	7/24/2019 6:10:00 PM
Isopropyl alcohol	56	3.7		ug/m3	10	7/25/2019 6:59:00 AM
m&p-Xylene	6.4	1.3		ug/m3	1	7/24/2019 6:10:00 PM
Methyl Butyl Ketone	< 1.2	1.2		ug/m3	1	7/24/2019 6:10:00 PM
Methyl Ethyl Ketone	5.0	0.88		ug/m3	1	7/24/2019 6:10:00 PM
Methyl Isobutyl Ketone	< 1.2	1.2		ug/m3	1	7/24/2019 6:10:00 PM
Methyl tert-butyl ether	< 0.54	0.54		ug/m3	1	7/24/2019 6:10:00 PM
Methylene chloride	1.7	0.52		ug/m3	1	7/24/2019 6:10:00 PM
o-Xylene	2.2	0.65		ug/m3	1	7/24/2019 6:10:00 PM
Propylene	< 0.26	0.26		ug/m3	1	7/24/2019 6:10:00 PM
Styrene	1.2	0.64		ug/m3	1	7/24/2019 6:10:00 PM
Tetrachloroethylene	17	10		ug/m3	10	7/25/2019 6:59:00 AM
Tetrahydrofuran	< 0.44	0.44		ug/m3	1	7/24/2019 6:10:00 PM
Toluene	7.5	5.7		ug/m3	10	7/25/2019 6:59:00 AM
trans-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	7/24/2019 6:10:00 PM
trans-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	7/24/2019 6:10:00 PM
Trichloroethene	< 0.16	0.16		ug/m3	1	7/24/2019 6:10:00 PM
Vinyl acetate	< 0.53	0.53		ug/m3	1	7/24/2019 6:10:00 PM
Vinyl Bromide	< 0.66	0.66		ug/m3	1	7/24/2019 6:10:00 PM
Vinyl chloride	< 0.10	0.10		ug/m3	1	7/24/2019 6:10:00 PM

Qualifiers:

**	Quantitation Limit	.	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		

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AQ072407.D Vial: 5
Acq On : 24 Jul 2019 6:10 pm Operator: RJP
Sample : C1907049-002A Inst : MSD #1
Misc : A717_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 24 19:57:02 2019 Quant Results File: A717_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A717_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed Jul 17 21:42:36 2019
Response via : Initial Calibration
DataAcq Meth : 1UG_ENT

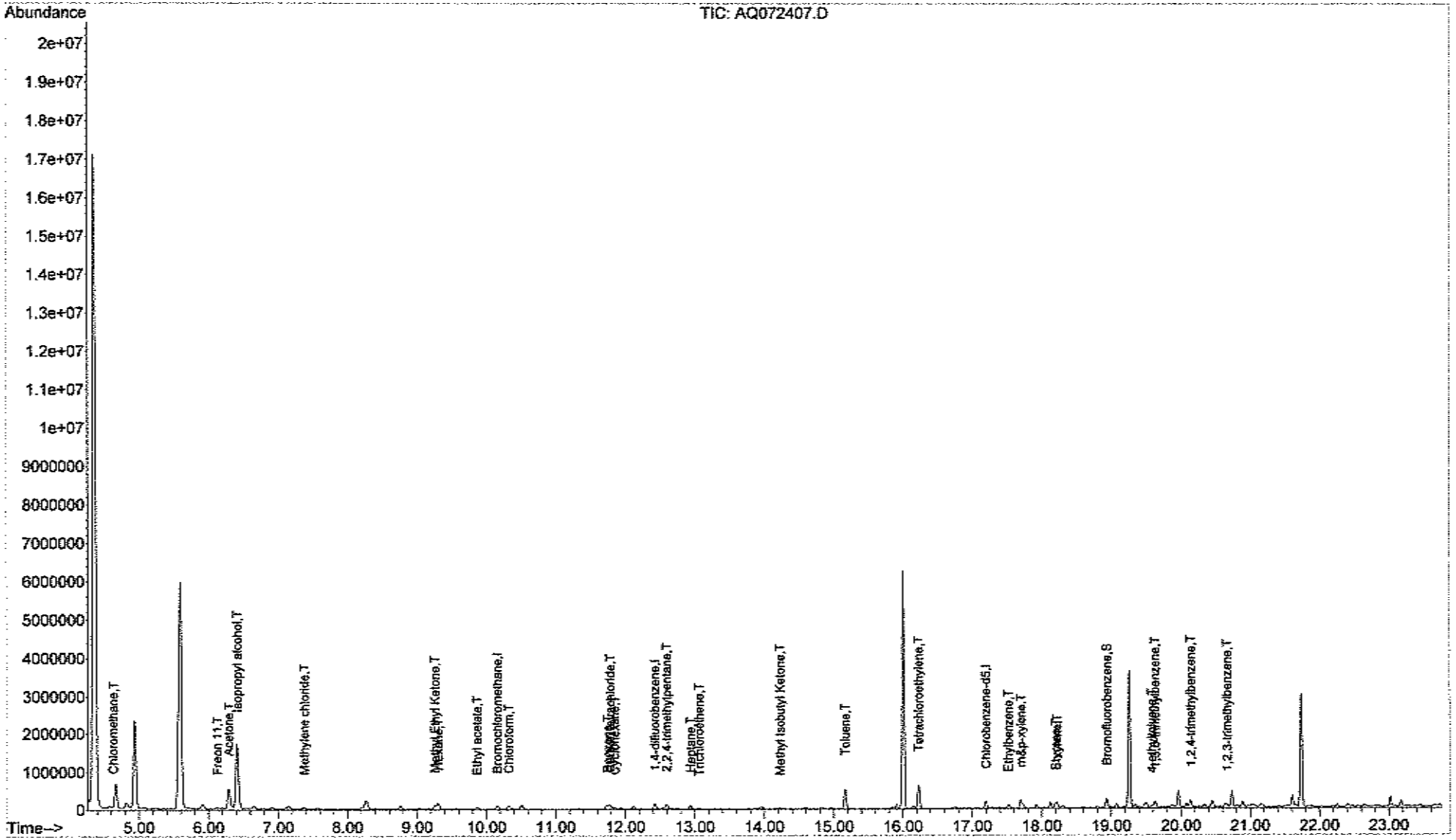
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	10.16	128	40721	1.00	ppb		0.00
35) 1,4-difluorobenzene	12.43	114	149535	1.00	ppb		0.00
50) Chlorobenzene-d5	17.19	117	137494	1.00	ppb		0.00
System Monitoring Compounds							
65) Bromofluorobenzene	18.93	95	88084	1.08	ppb		0.00
Spiked Amount 1.000	Range 70 - 130		Recovery = 108.00%				
Target Compounds							Qvalue
4) Chloromethane	4.62	50	33846	0.81	ppb		98
14) Freon 11	6.12	101	44369	0.27	ppb		98
15) Acetone	6.29	58	304030	9.28	ppb	#	76
17) Isopropyl alcohol	6.41	45	2629250	22.31	ppb	#	10
21) Methylene chloride	7.37	84	26771	0.50	ppb		92
28) Methyl Ethyl Ketone	9.25	72	46224	1.70	ppb	#	84
30) Hexane	9.30	57	107815	1.36	ppb		96
31) Ethyl acetate	9.86	43	69317	0.45	ppb		97
32) Chloroform	10.32	83	103028	0.82	ppb		98
37) Cyclohexane	11.84	56	24522m	0.40	ppb		
38) Carbon tetrachloride	11.79	117	11205	0.09	ppb		97
39) Benzene	11.75	78	91994	0.65	ppb		99
42) 2,2,4-trimethylpentane	12.59	57	134356	0.68	ppb		72
43) Heptane	12.94	43	36351	0.51	ppb		89
44) Trichloroethene	13.07	130	4357	0.06	ppb		97
51) Toluene	15.16	92	268489	2.62	ppb		96
52) Methyl Isobutyl Ketone	14.23	43	12986	0.11	ppb		86
56) Tetrachloroethylene	16.23	164	187055	2.25	ppb		98
58) Ethylbenzene	17.52	91	76769	0.39	ppb		100
59) m&p-xylene	17.70	91	226689	1.48	ppb		100
61) Styrene	18.19	104	35500	0.29	ppb		90
63) o-xylene	18.22	91	88583	0.51	ppb		100
69) 4-ethyltoluene	19.58	105	40112m	0.19	ppb		
70) 1,3,5-trimethylbenzene	19.63	105	96245m	0.52	ppb		
71) 1,2,4-trimethylbenzene	20.14	105	133156	0.84	ppb		96
75) 1,2,3-trimethylbenzene	20.67	105	46618	0.26	ppb		89

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

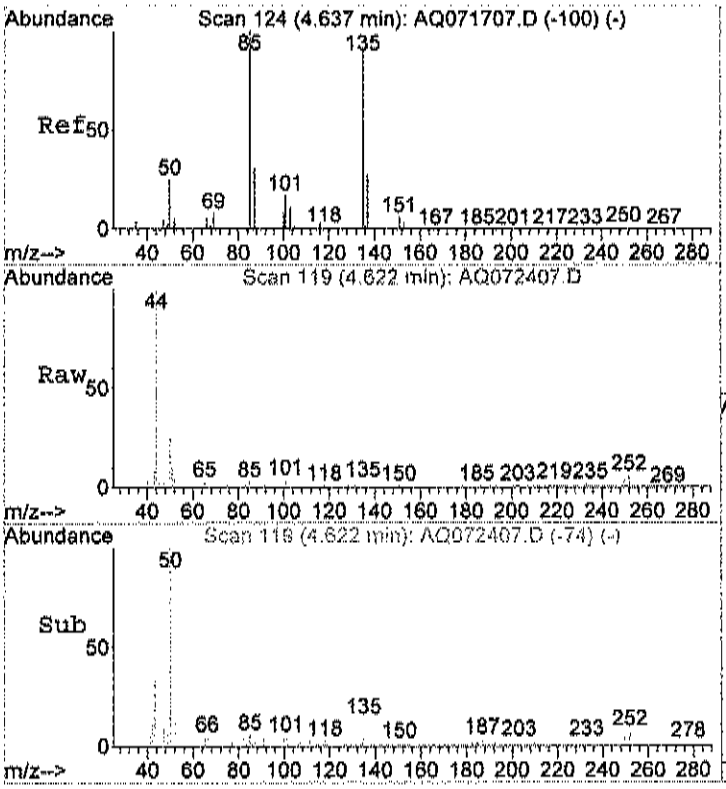
Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AQ072407.D Vial: 5
Acq On : 24 Jul 2019 6:10 pm Operator: RJP
Sample : C1907049-002A Inst : MSD #1
Misc : A717_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 26 9:56 2019 Quant Results File: A717_1UG.RES

Method : C:\HPCHEM\1\METHODS\A717_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed Jul 17 21:42:36 2019
Response via : Initial Calibration



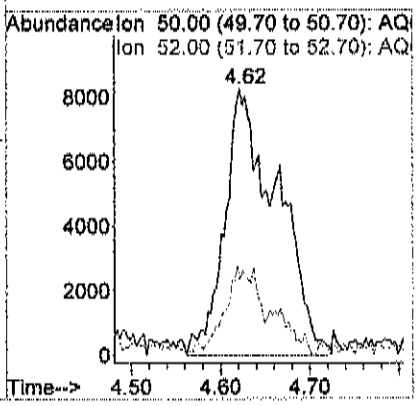
Centek Laboratories, LLC

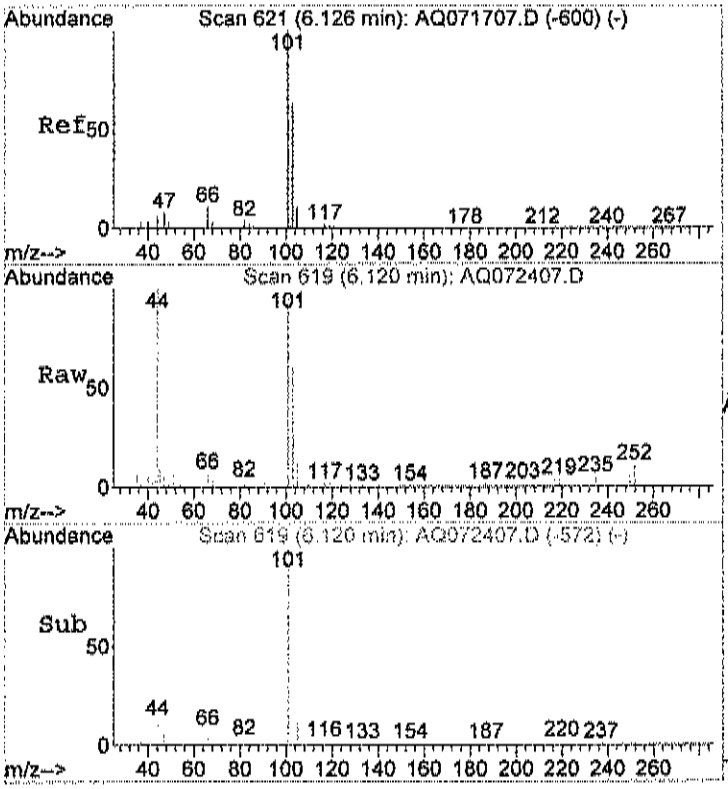


#4
Chloromethane
Concen: 0.81 ppb
RT: 4.62 min Scan# 119
Delta R.T. -0.01 min
Lab File: AQ072407.D
Acq: 24 Jul 2019 6:10 pm

Tgt Ion: 50 Resp: 33846

Ion	Ratio	Lower	Upper
50	100		
52	28.0	7.1	47.1

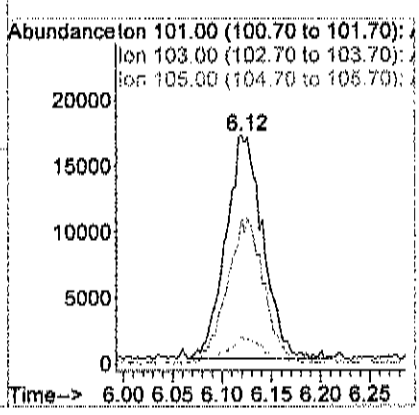


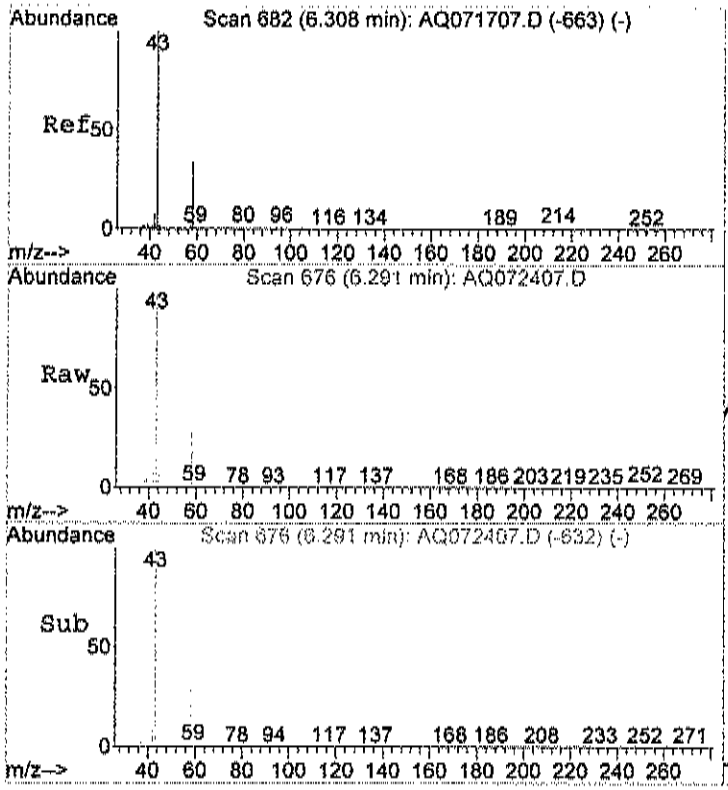


#14
Freon 11
Concen: 0.27 ppb
RT: 6.12 min Scan# 619
Delta R.T. -0.01 min
Lab File: AQ072407.D
Acq: 24 Jul 2019 6:10 pm

Tgt Ion:101 Resp: 44369

Ion	Ratio	Lower	Upper
101	100		
103	64.4	45.8	85.8
105	11.9	0.0	31.1

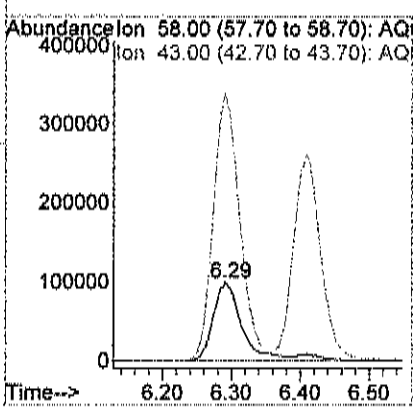


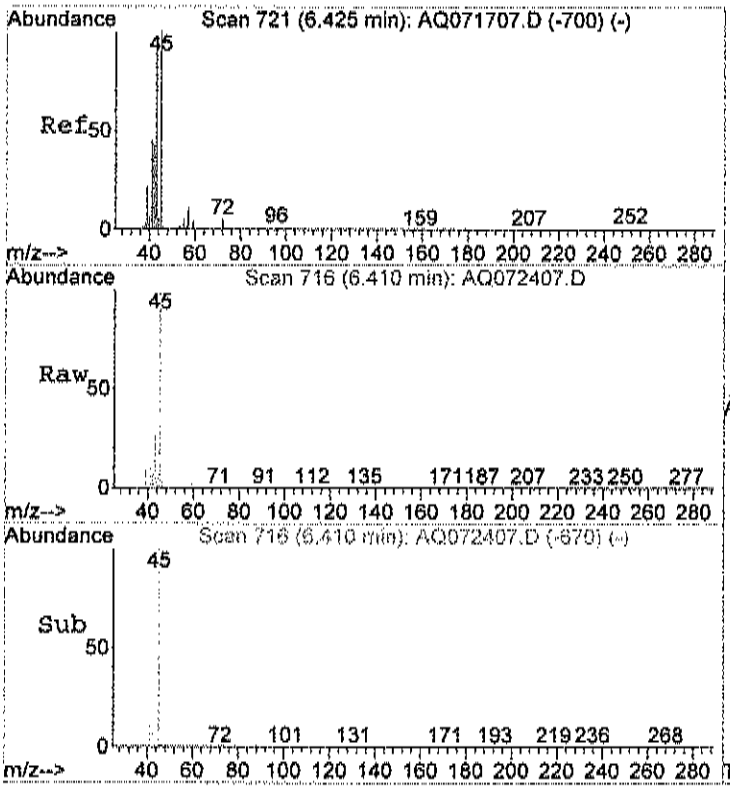


#15
Acetone
Concen: 9.28 ppb
RT: 6.29 min Scan# 676
Delta R.T. -0.02 min
Lab File: AQ072407.D
Acq: 24 Jul 2019 6:10 pm

Tgt Ion: 58 Resp: 304030

Ion	Ratio	Lower	Upper
58	100		
43	300.9	227.7	287.7#

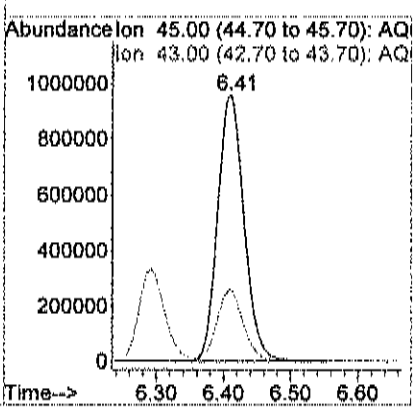


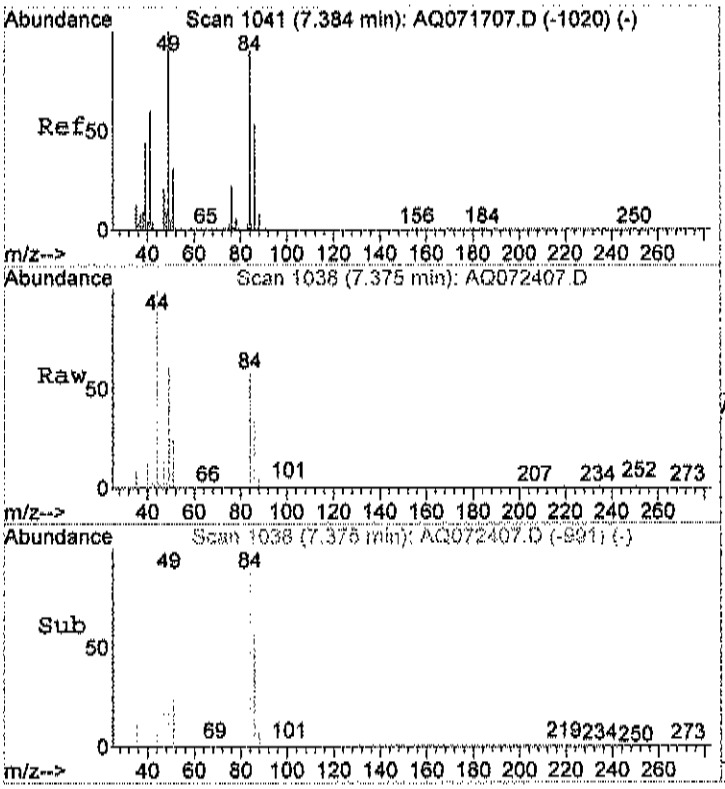


#17
Isopropyl alcohol
Concen: 22.31 ppb
RT: 6.41 min Scan# 716
Delta R.T. -0.01 min
Lab File: AQ072407.D
Acq: 24 Jul 2019 6:10 pm

Tgt Ion: 45 Resp: 2629250

Ion	Ratio	Lower	Upper
45	100		
43	27.0	113.1	153.1#

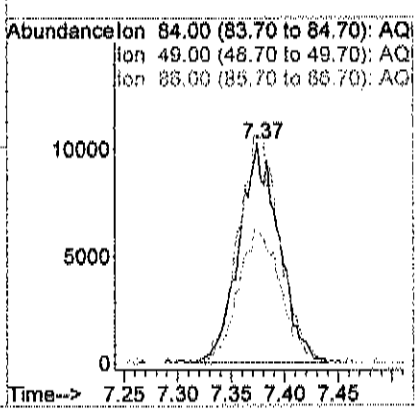


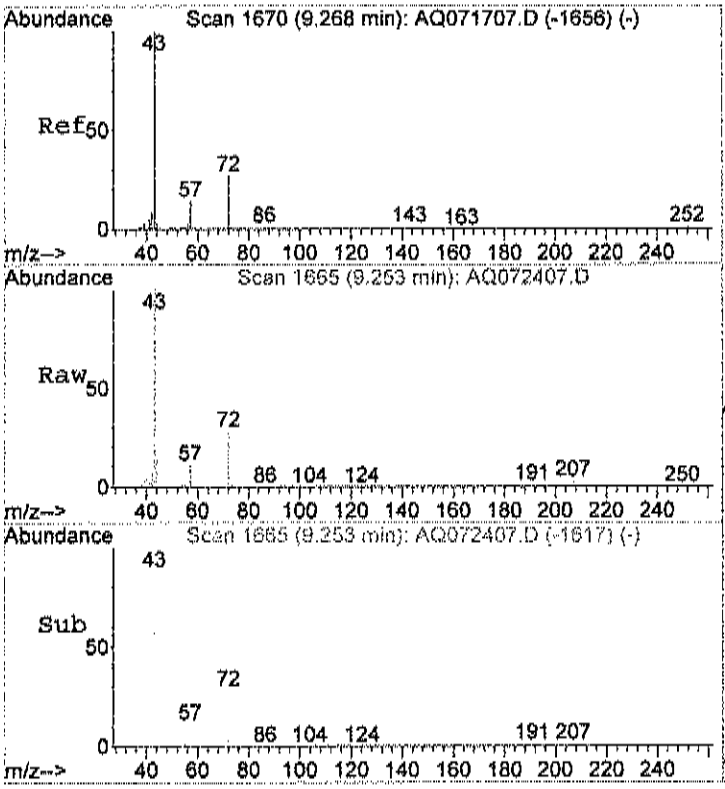


#21
Methylene chloride
Concen: 0.50 ppb
RT: 7.37 min Scan# 1038
Delta R.T. -0.01 min
Lab File: AQ072407.D
Acq: 24 Jul 2019 6:10 pm

Tgt Ion: 84 Resp: 26771

Ion	Ratio	Lower	Upper
84	100		
49	107.8	101.0	141.0
86	64.3	45.8	85.8

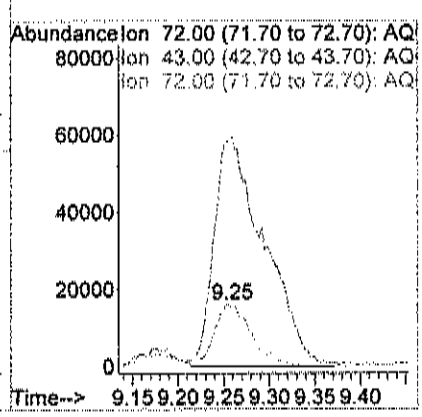


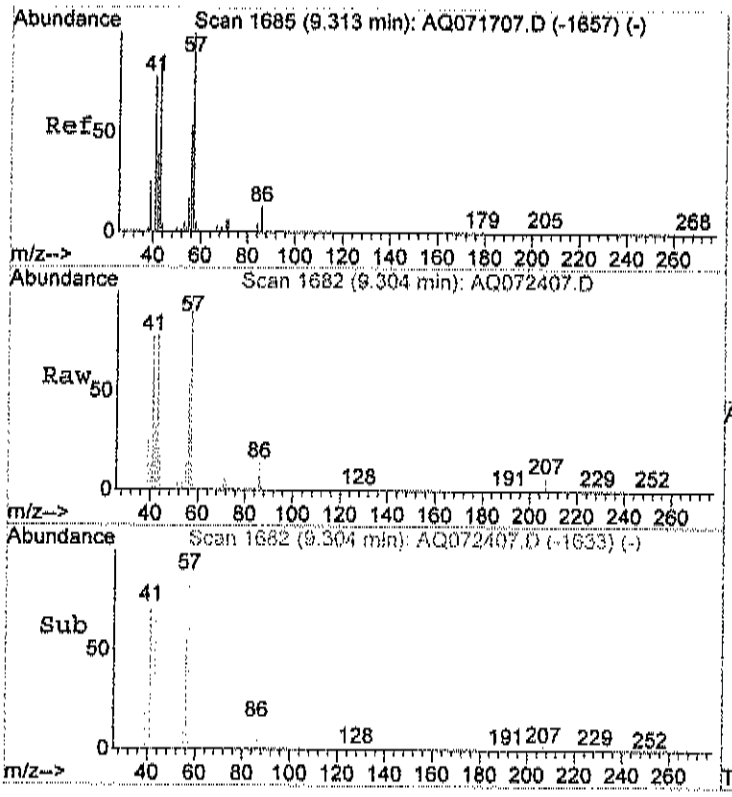


#28
Methyl Ethyl Ketone
Concen: 1.70 ppb
RT: 9.25 min Scan# 1665
Delta R.T. -0.01 min
Lab File: AQ072407.D
Acq: 24 Jul 2019 6:10 pm

Tgt Ion: 72 Resp: 46224

Ion	Ratio	Lower	Upper
72	100		
43	481.7	516.8	556.8#
72	100.0	80.0	120.0

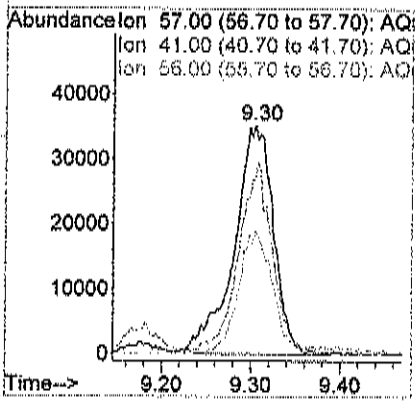


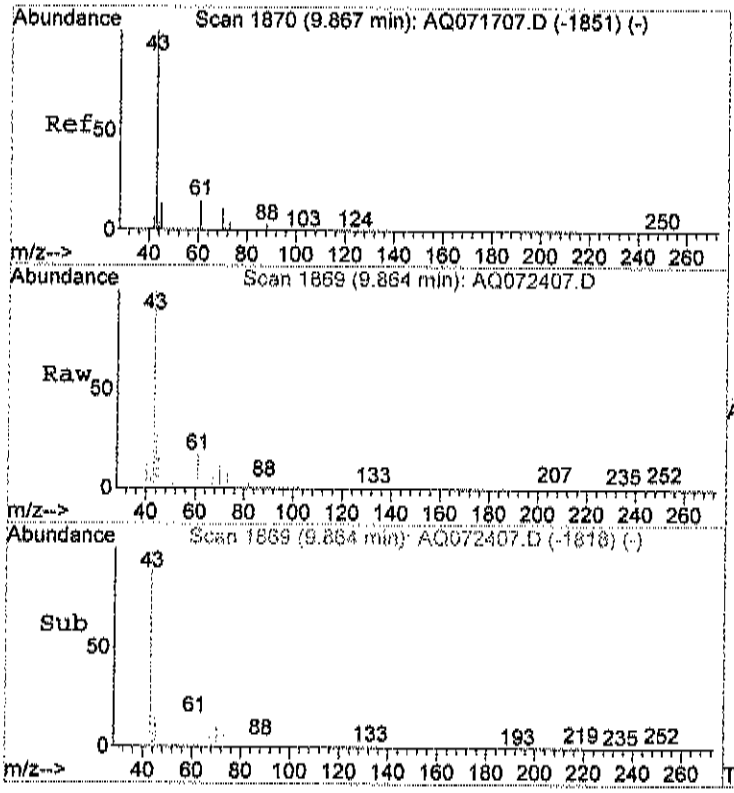


#30
Hexane
Concen: 1.36 ppb
RT: 9.30 min Scan# 1682
Delta R.T. -0.00 min
Lab File: AQ072407.D
Acq: 24 Jul 2019 6:10 pm

Tgt Ion: 57 Resp: 107815

Ion	Ratio	Lower	Upper
57	100		
41	72.3	47.8	87.8
56	47.4	25.8	65.8

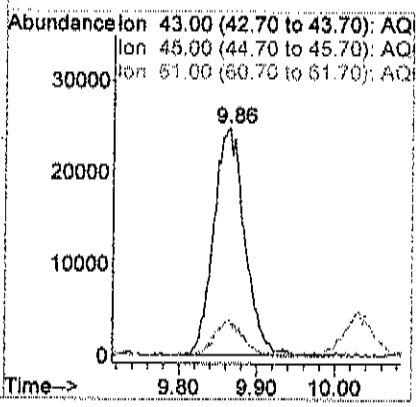


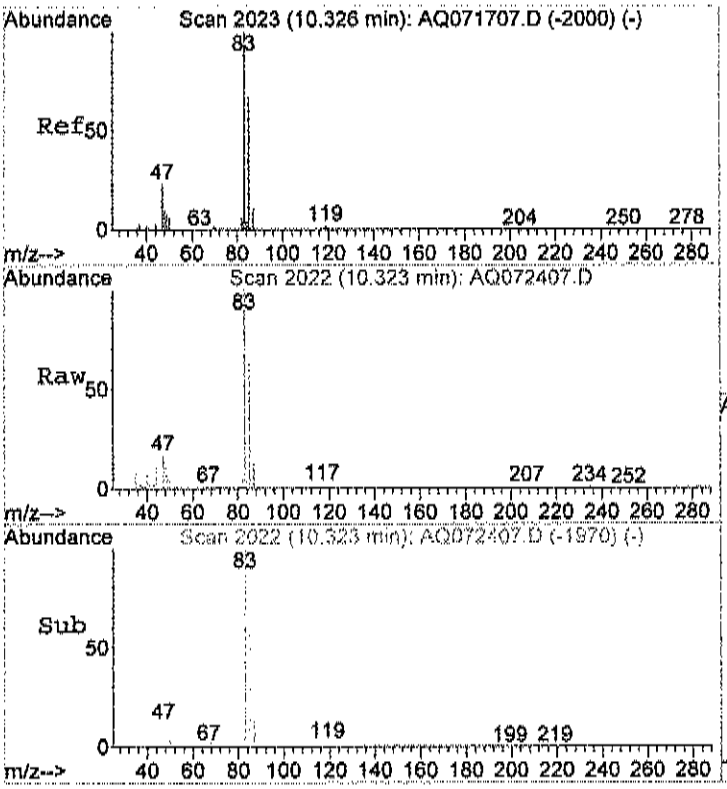


#31
Ethyl acetate
Concen: 0.45 ppb
RT: 9.86 min Scan# 1869
Delta R.T. 0.00 min
Lab File: AQ072407.D
Acq: 24 Jul 2019 6:10 pm

Tgt Ion: 43 Resp: 69317

Ion	Ratio	Lower	Upper
43	100		
45	13.8	0.0	35.0
61	14.8	0.0	36.1

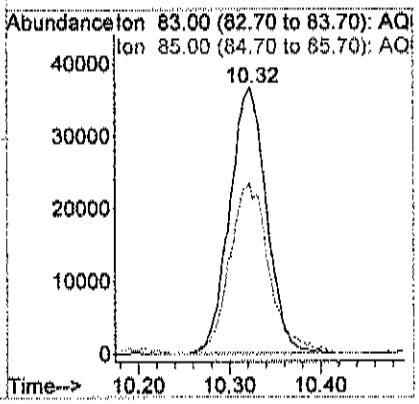


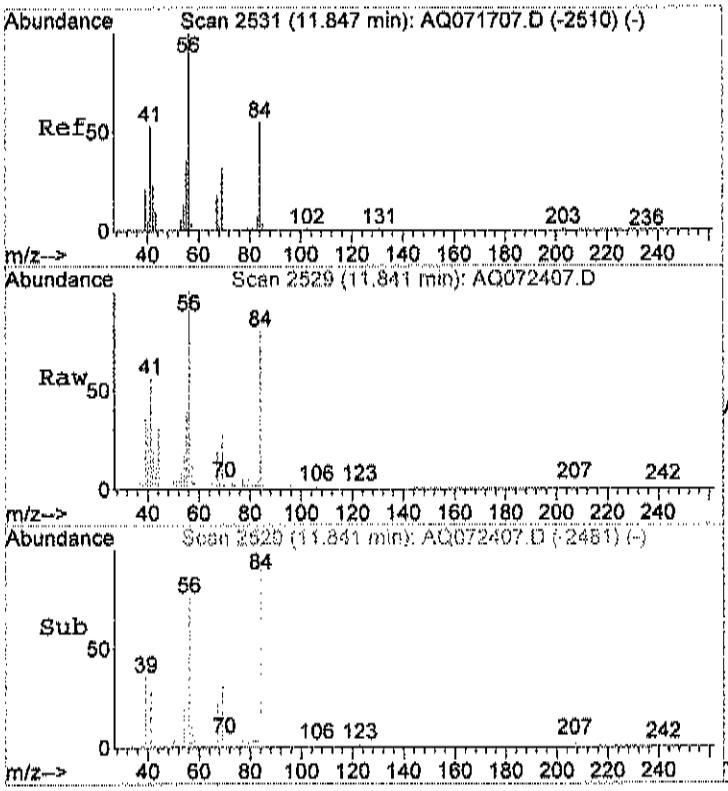


#32
Chloroform
Concen: 0.82 ppb
RT: 10.32 min Scan# 2022
Delta R.T. 0.01 min
Lab File: AQ072407.D
Acq: 24 Jul 2019 6:10 pm

Tgt Ion: 83 Resp: 103028

Ion	Ratio	Lower	Upper
83	100		
85	68.5	46.8	86.8

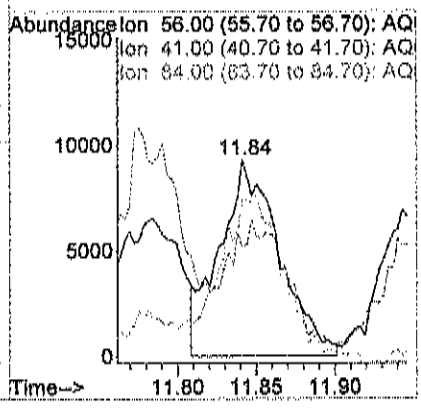


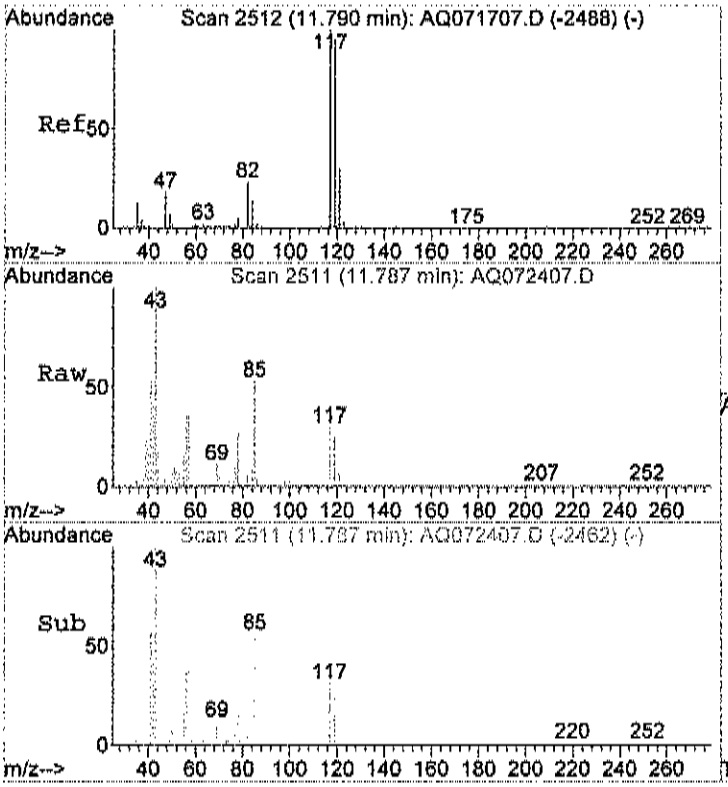


#37
Cyclohexane
Concen: 0.40 ppb m
RT: 11.84 min Scan# 2529
Delta R.T. -0.01 min
Lab File: AQ072407.D
Acq: 24 Jul 2019 6:10 pm

Tgt Ion: 56 Resp: 24522

Ion	Ratio	Lower	Upper
56	100		
41	47.4	33.6	73.6
84	3.3	89.5	129.5#

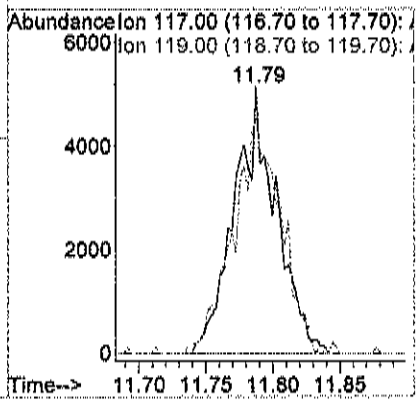


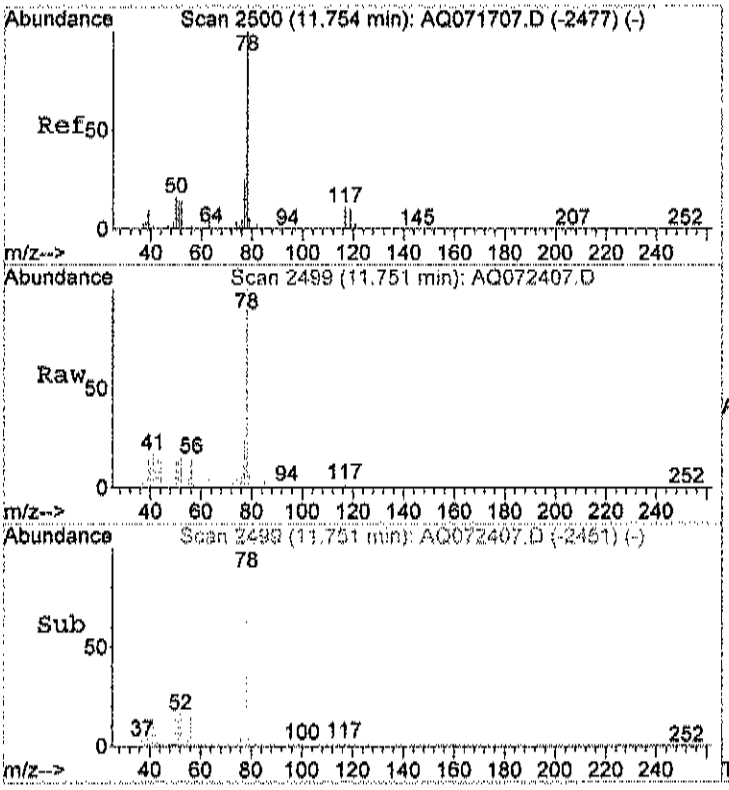


#38
Carbon tetrachloride
Concen: 0.09 ppb
RT: 11.79 min Scan# 2511
Delta R.T. -0.00 min
Lab File: AQ072407.D
Acq: 24 Jul 2019 6:10 pm

Tgt Ion:117 Resp: 11205

Ion	Ratio	Lower	Upper
117	100		
119	99.2	76.1	116.1

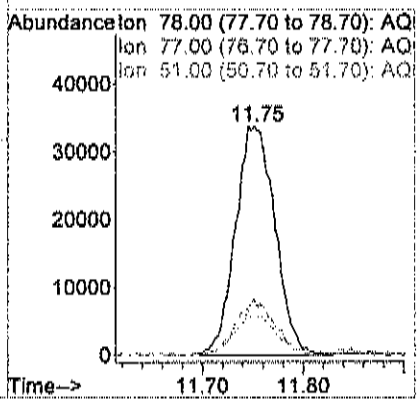


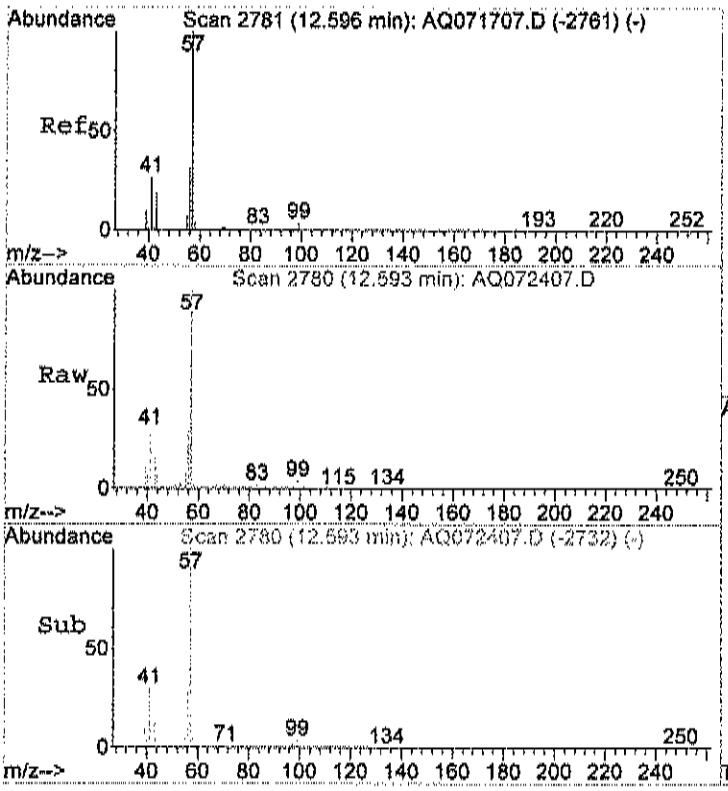


#39
Benzene
Concen: 0.65 ppb
RT: 11.75 min Scan# 2499
Delta R.T. -0.01 min
Lab File: AQ072407.D
Acq: 24 Jul 2019 6:10 pm

Tgt Ion: 78 Resp: 91994

Ion	Ratio	Lower	Upper
78	100		
77	24.5	4.4	44.4
51	18.3	0.0	37.2

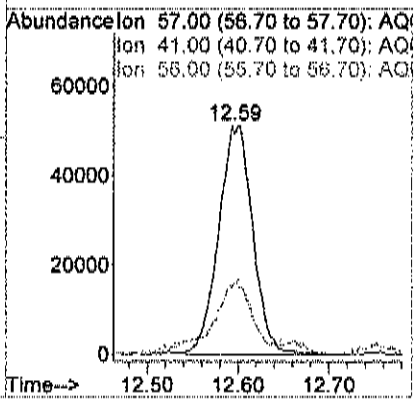


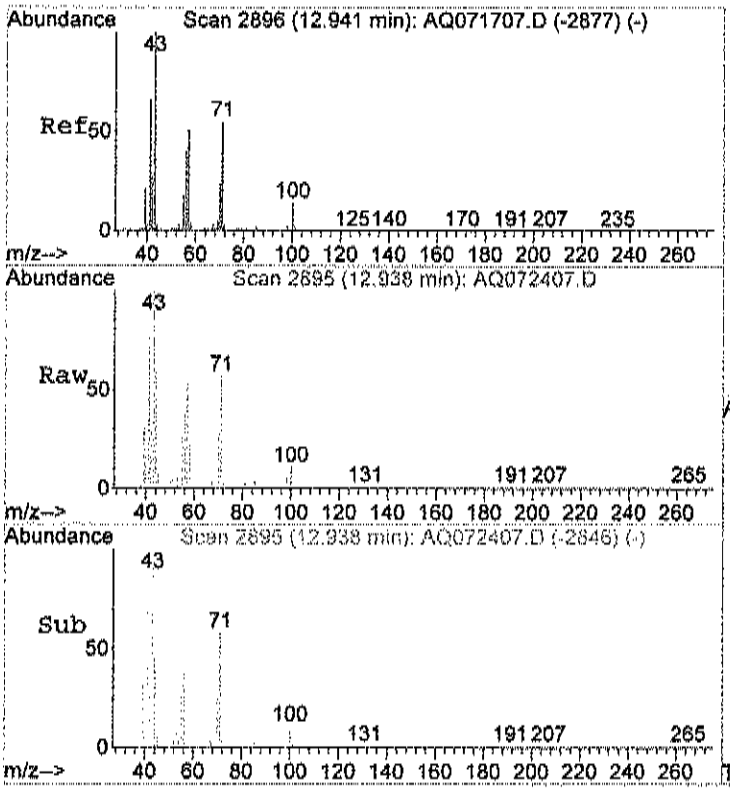


#42
2,2,4-trimethylpentane
Concen: 0.68 ppb
RT: 12.59 min Scan# 2780
Delta R.T. -0.01 min
Lab File: AQ072407.D
Acq: 24 Jul 2019 6:10 pm

Tgt Ion: 57 Resp: 134356

Ion	Ratio	Lower	Upper
57	100		
41	41.4	5.2	45.2
56	44.2	10.8	50.8

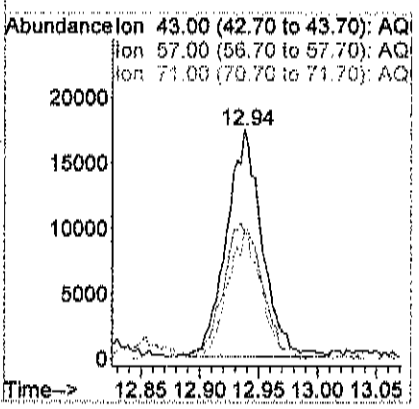


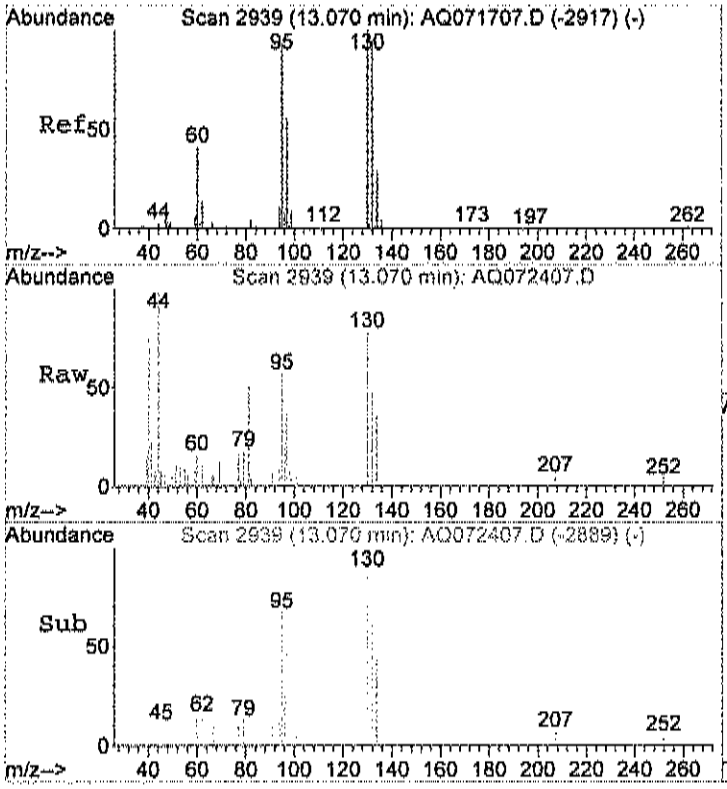


#43
Heptane
Concen: 0.51 ppb
RT: 12.94 min Scan# 2895
Delta R.T. -0.00 min
Lab File: AQ072407.D
Acq: 24 Jul 2019 6:10 pm

Tgt Ion: 43 Resp: 36351

Ion	Ratio	Lower	Upper
43	100		
57	65.2	34.1	74.1
71	54.3	39.6	79.6

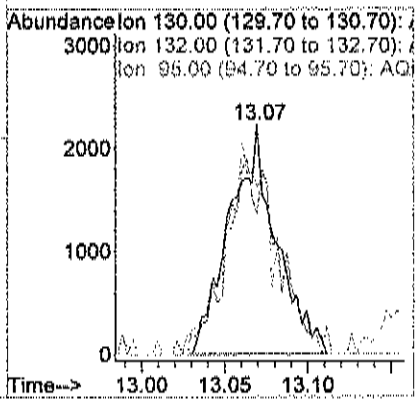


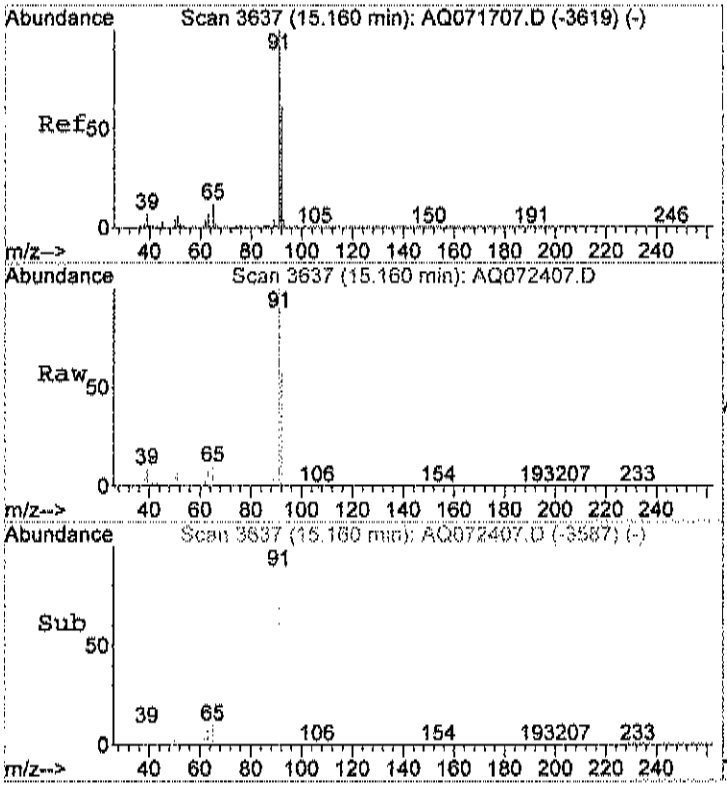


#44
Trichloroethene
Concen: 0.06 ppb
RT: 13.07 min Scan# 2939
Delta R.T. -0.00 min
Lab File: AQ072407.D
Acq: 24 Jul 2019 6:10 pm

Tgt Ion:130 Resp: 4357

Ion	Ratio	Lower	Upper
130	100		
132	95.0	74.1	114.1
95	97.1	81.6	121.6

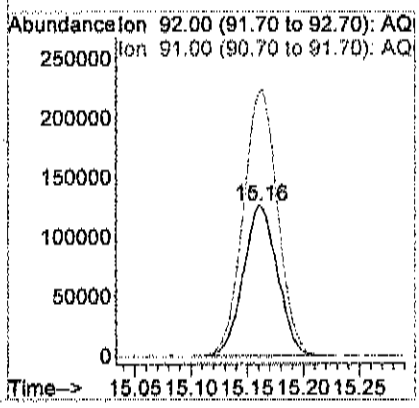


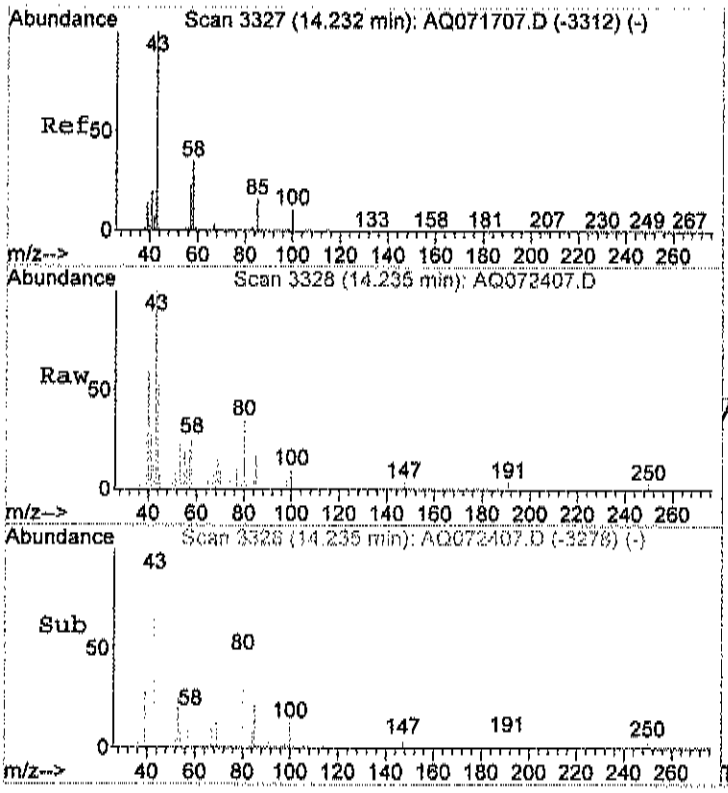


#51
Toluene
Concen: 2.62 ppb
RT: 15.16 min Scan# 3637
Delta R.T. -0.00 min
Lab File: AQ072407.D
Acq: 24 Jul 2019 6:10 pm

Tgt Ion: 92 Resp: 268489

Ion	Ratio	Lower	Upper
92	100		
91	178.1	153.2	193.2

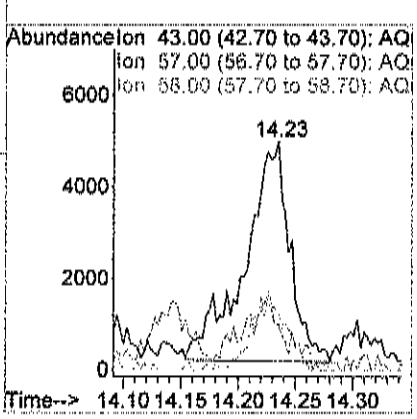


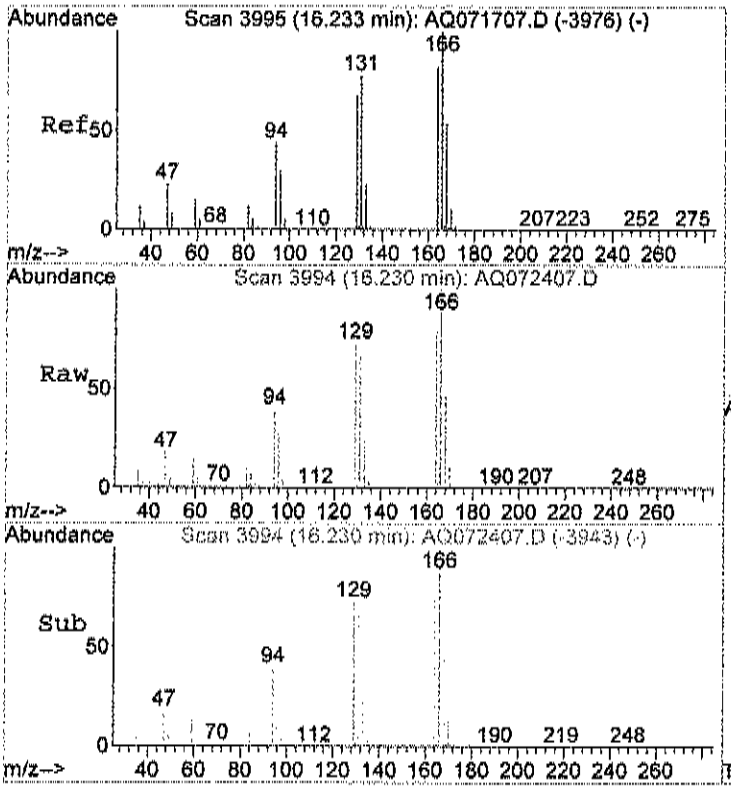


#52
Methyl Isobutyl Ketone
Concen: 0.11 ppb
RT: 14.23 min Scan# 3328
Delta R.T. -0.00 min
Lab File: AQ072407.D
Acq: 24 Jul 2019 6:10 pm

Tgt Ion: 43 Resp: 12986

Ion	Ratio	Lower	Upper
43	100		
57	29.3	2.0	42.0
58	27.8	15.1	55.1

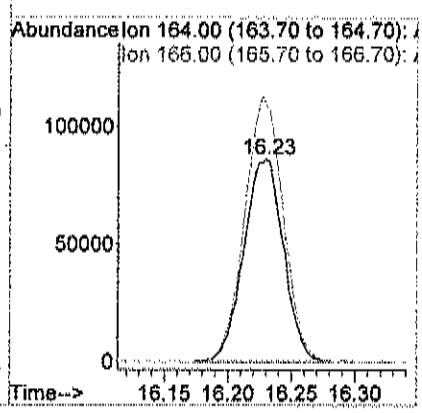


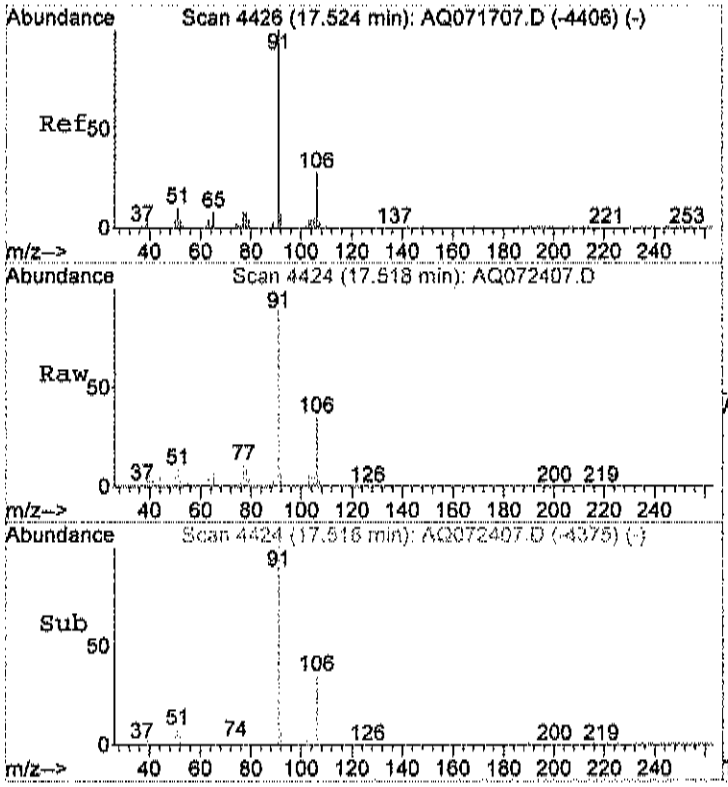


#56
Tetrachloroethylene
Concen: 2.25 ppb
RT: 16.23 min Scan# 3994
Delta R.T. 0.00 min
Lab File: AQ072407.D
Acq: 24 Jul 2019 6:10 pm

Tgt Ion:164 Resp: 187055

Ion	Ratio	Lower	Upper
164	100		
166	126.9	108.8	148.8

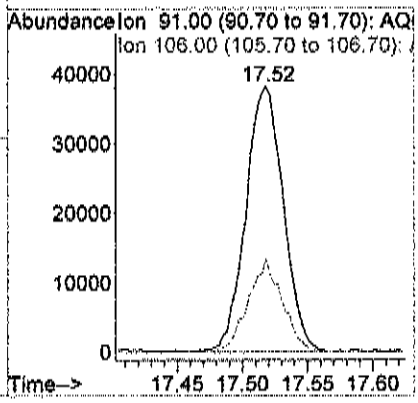


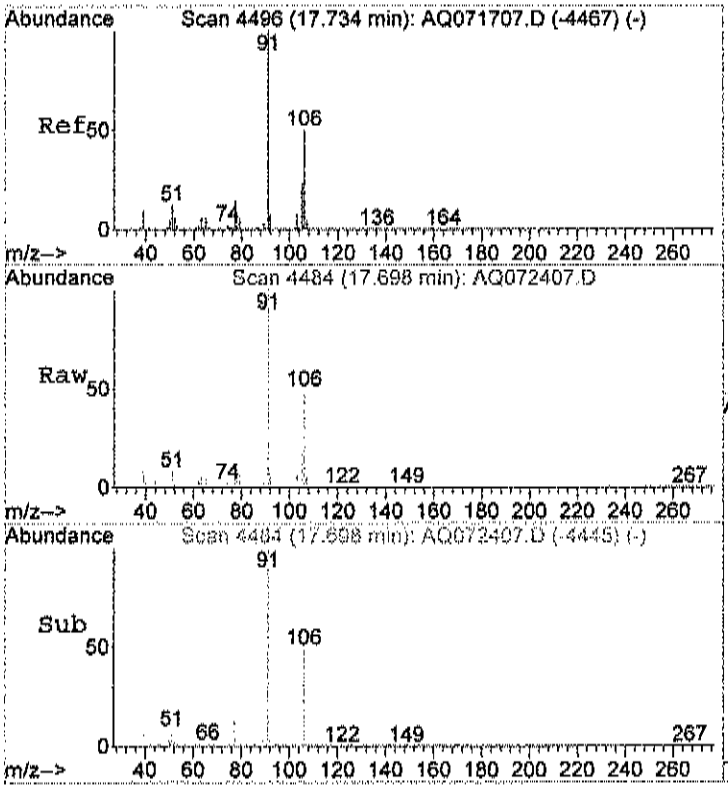


#58
Ethylbenzene
Concen: 0.39 ppb
RT: 17.52 min Scan# 4424
Delta R.T. -0.00 min
Lab File: AQ072407.D
Acq: 24 Jul 2019 6:10 pm

Tgt Ion: 91 Resp: 76769

Ion	Ratio	Lower	Upper
91	100		
106	31.9	11.9	51.9

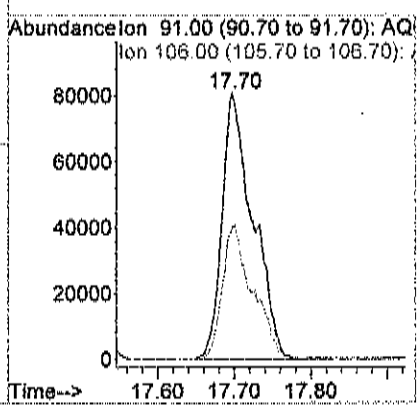


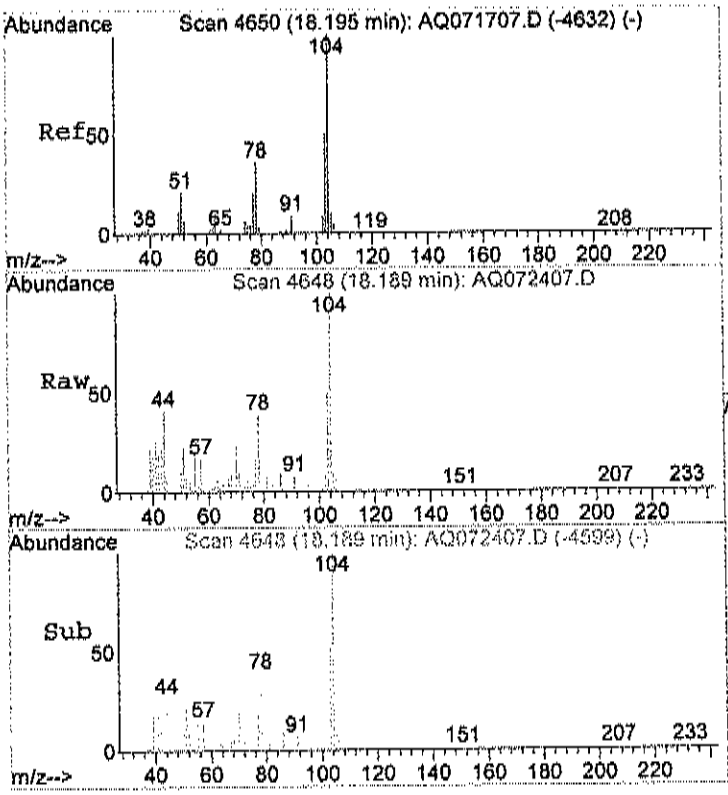


#59
m&p-xylene
Concen: 1.48 ppb
RT: 17.70 min Scan# 4484
Delta R.T. -0.03 min
Lab File: AQ072407.D
Acq: 24 Jul 2019 6:10 pm

Tgt Ion: 91 Resp: 226689

Ion	Ratio	Lower	Upper
91	100		
106	49.3	29.3	69.3

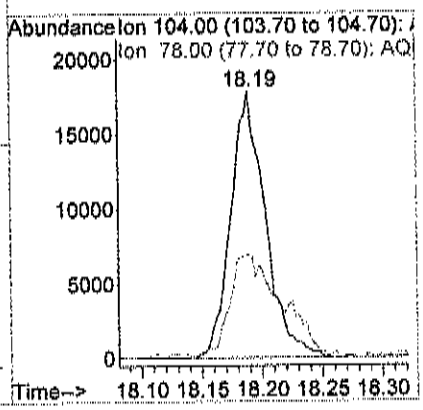


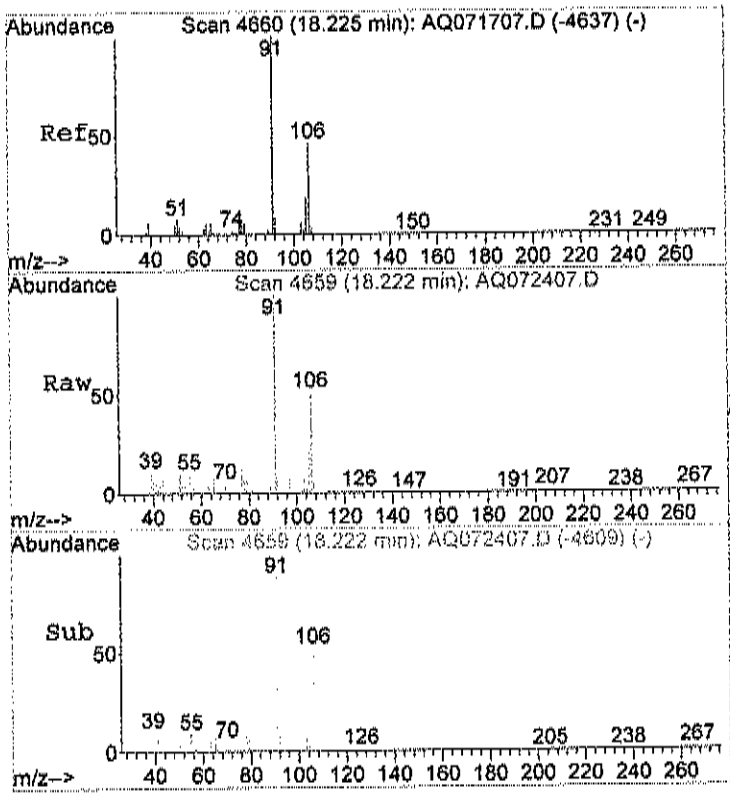


#61
Styrene
Concen: 0.29 ppb
RT: 18.19 min Scan# 4648
Delta R.T. -0.00 min
Lab File: AQ072407.D
Acq: 24 Jul 2019 6:10 pm

Tgt Ion:104 Resp: 35500

Ion	Ratio	Lower	Upper
104	100		
78	58.4	31.3	71.3

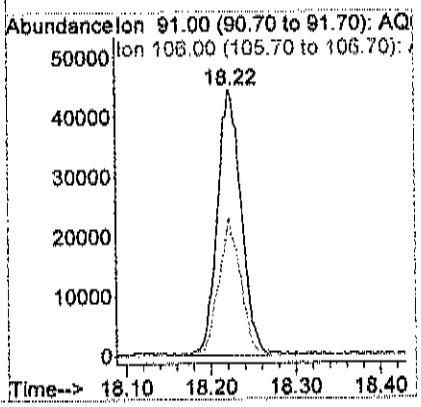


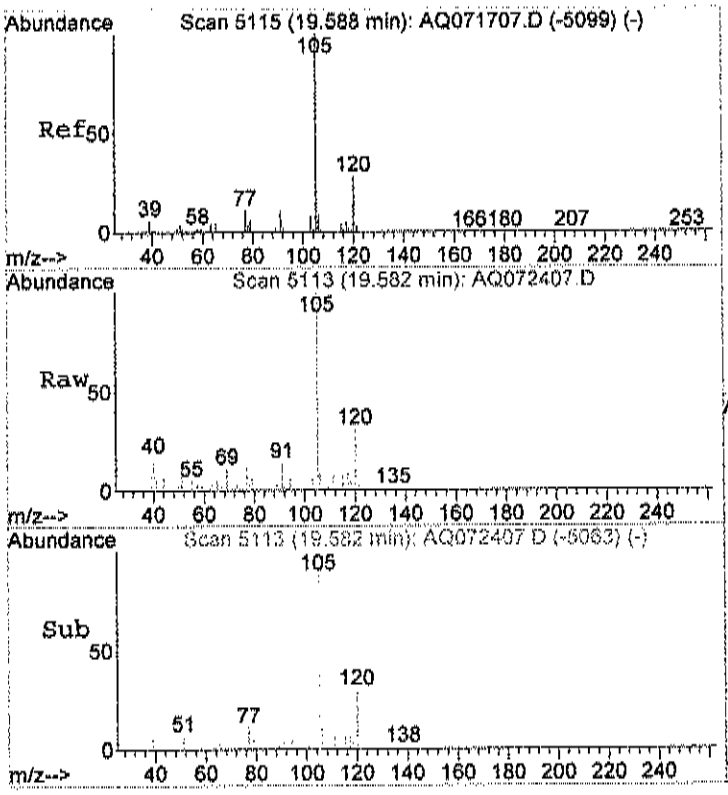


#63
o-xylene
Concen: 0.51 ppb
RT: 18.22 min Scan# 4659
Delta R.T. -0.00 min
Lab File: AQ072407.D
Acq: 24 Jul 2019 6:10 pm

Tgt Ion: 91 Resp: 88583

Ion	Ratio	Lower	Upper
91	100		
106	46.6	26.9	66.9

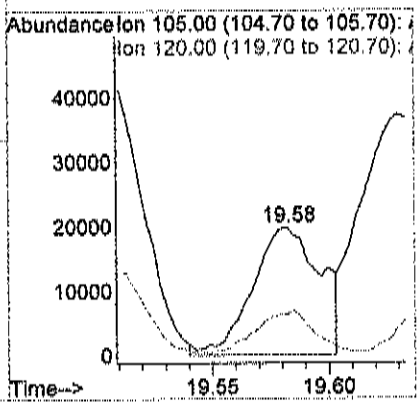


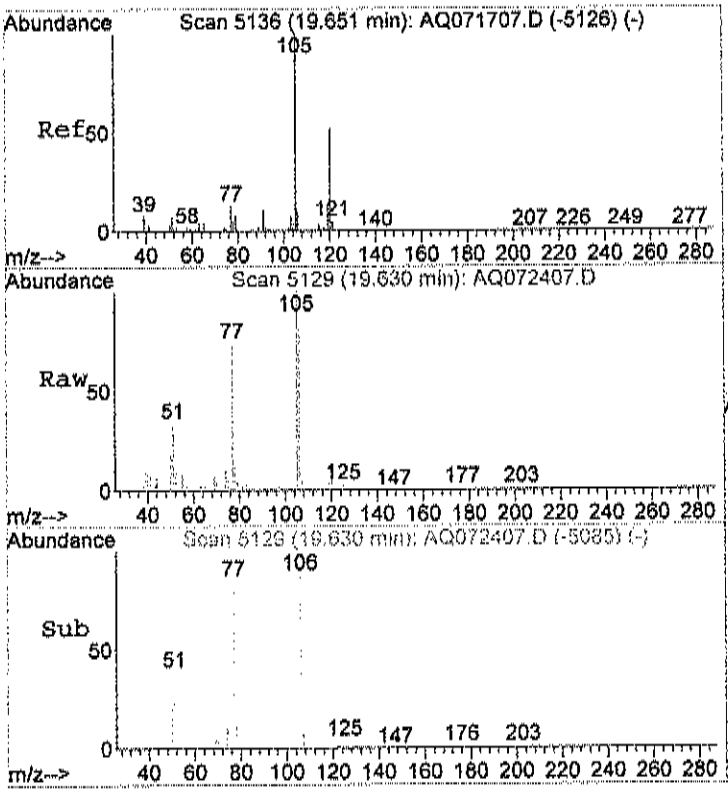


#69
4-ethyltoluene
Concen: 0.19 ppb m
RT: 19.58 min Scan# 5113
Delta R.T. -0.00 min
Lab File: AQ072407.D
Acq: 24 Jul 2019 6:10 pm

Tgt Ion:105 Resp: 40112

Ion	Ratio	Lower	Upper
105	100		
120	47.3	10.3	50.3

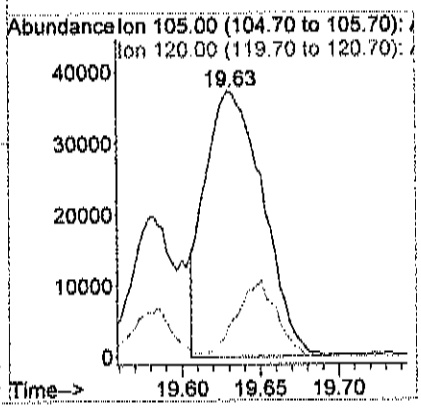


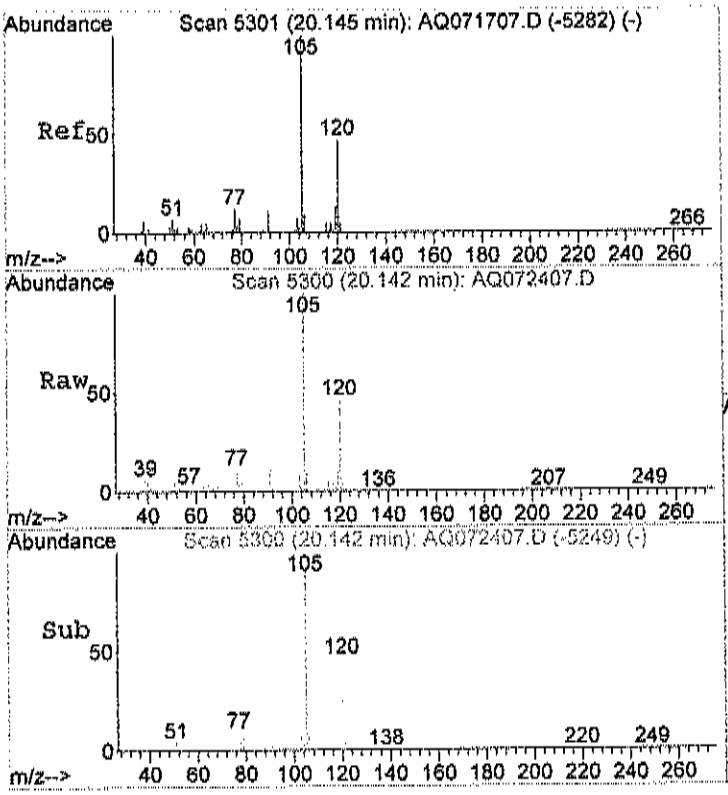


#70
1,3,5-trimethylbenzene
Concen: 0.52 ppb m
RT: 19.63 min Scan# 5129
Delta R.T. -0.02 min
Lab File: AQ072407.D
Acq: 24 Jul 2019 6:10 pm

Tgt Ion:105 Resp: 96245

Ion	Ratio	Lower	Upper
105	100		
120	19.7	27.8	67.8#

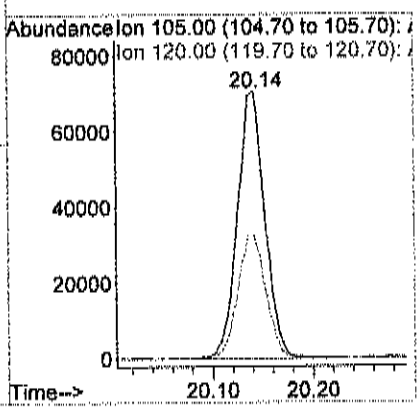


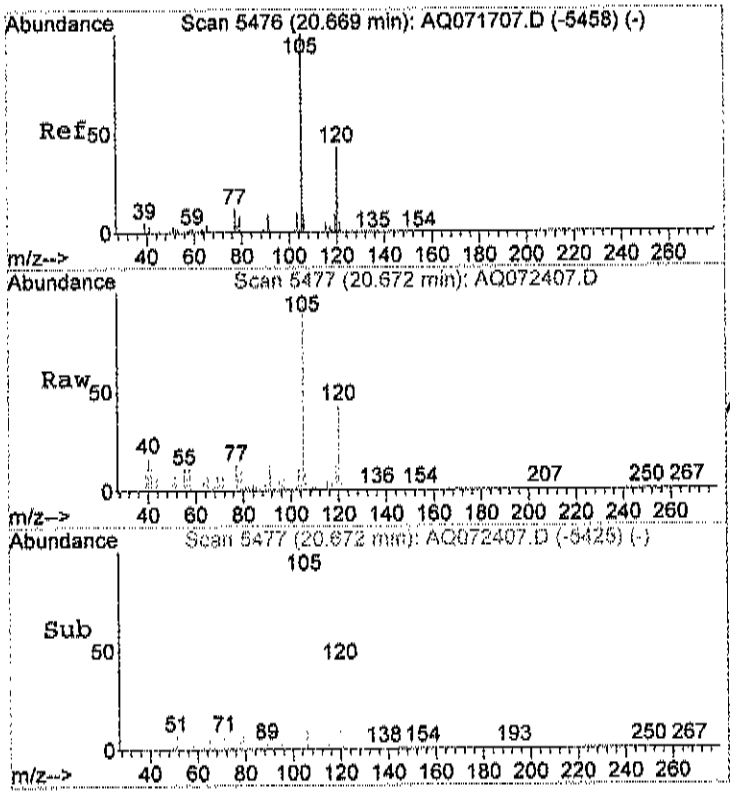


#71
1,2,4-trimethylbenzene
Concen: 0.84 ppb
RT: 20.14 min Scan# 5300
Delta R.T. 0.00 min
Lab File: AQ072407.D
Acq: 24 Jul 2019 6:10 pm

Tgt Ion:105 Resp: 133156

Ion	Ratio	Lower	Upper
105	100		
120	47.4	25.0	65.0

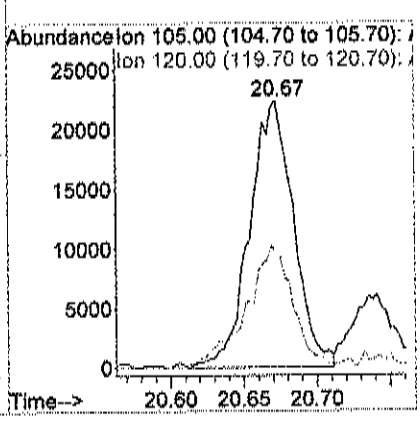




#75
1,2,3-trimethylbenzene
Concen: 0.26 ppb
RT: 20.67 min Scan# 5477
Delta R.T. 0.01 min
Lab File: AQ072407.D
Acq: 24 Jul 2019 6:10 pm

Tgt Ion:105 Resp: 46618

Ion	Ratio	Lower	Upper
105	100		
120	49.5	32.0	53.4



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AQ072424.D Vial: 21
Acq On : 25 Jul 2019 6:59 am Operator: RJP
Sample : C1907049-002A 10X Inst : MSD #1
Misc : A717_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 25 11:40:53 2019 Quant Results File: A717_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A717_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed Jul 17 21:42:36 2019
Response via : Initial Calibration
DataAcq Meth : 1UG_ENT

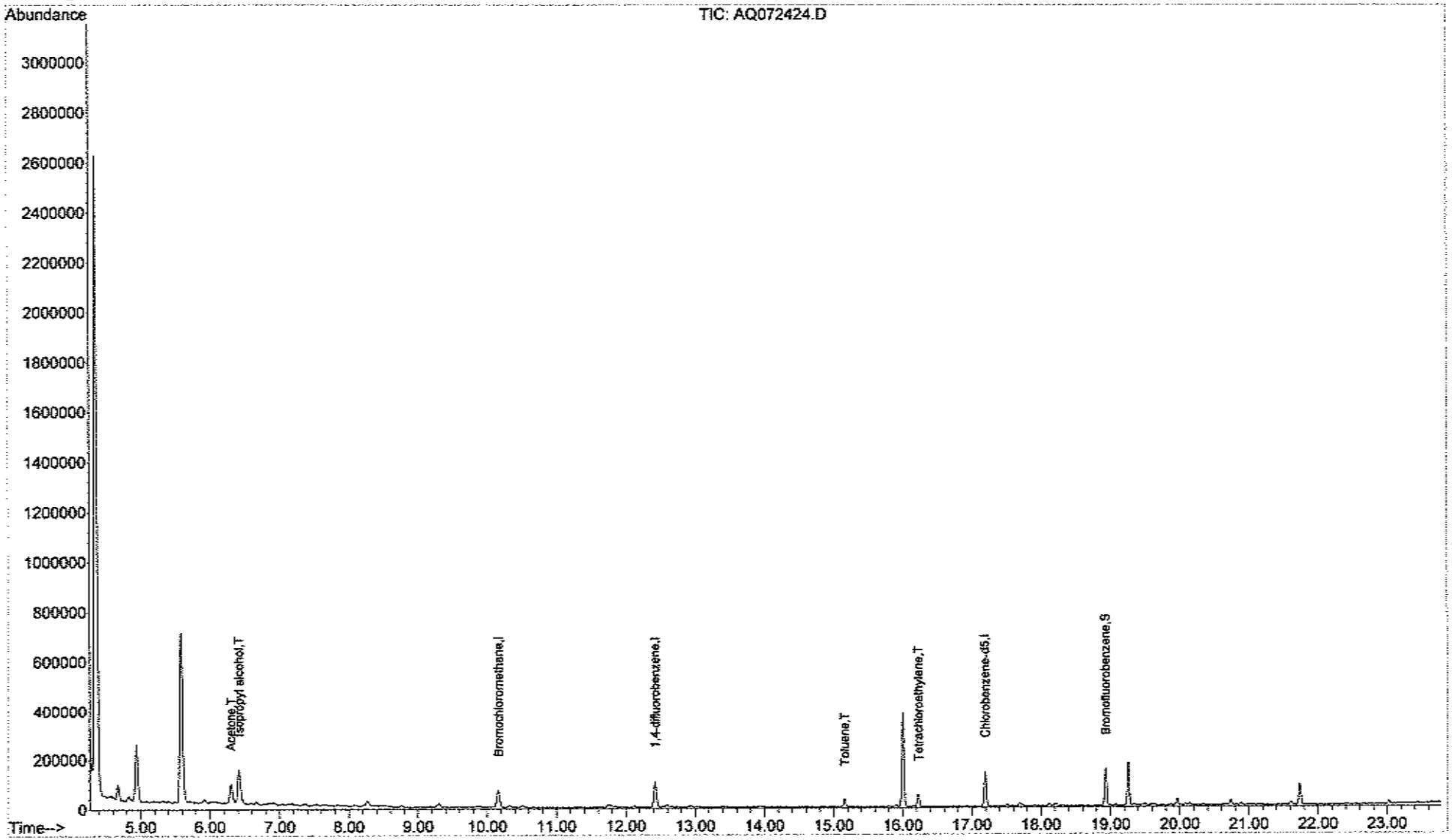
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	10.16	128	32200	1.00	ppb	0.00
35) 1,4-difluorobenzene	12.42	114	112926	1.00	ppb	0.00
50) Chlorobenzene-d5	17.19	117	100352	1.00	ppb	0.00
System Monitoring Compounds						
65) Bromofluorobenzene	18.93	95	55273	0.93	ppb	0.00
Spiked Amount 1.000	Range 70 - 130		Recovery = 93.00%			
Target Compounds						Qvalue
15) Acetone	6.30	58	37123m	1.43	ppb	
17) Isopropyl alcohol	6.42	45	213219	2.29	ppb	# 15
51) Toluene	15.16	92	15273	0.20	ppb	94
56) Tetrachloroethylene	16.23	164	15314	0.25	ppb	99

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AQ072424.D Vial: 21
Acq On : 25 Jul 2019 6:59 am Operator: RJP
Sample : C1907049-002A 10X Inst : MSD #1
Misc : A717_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 26 10:30 2019 Quant Results File: A717_1UG.RES

Method : C:\HPCHEM\1\METHODS\A717_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed Jul 17 21:42:36 2019
Response via : Initial Calibration



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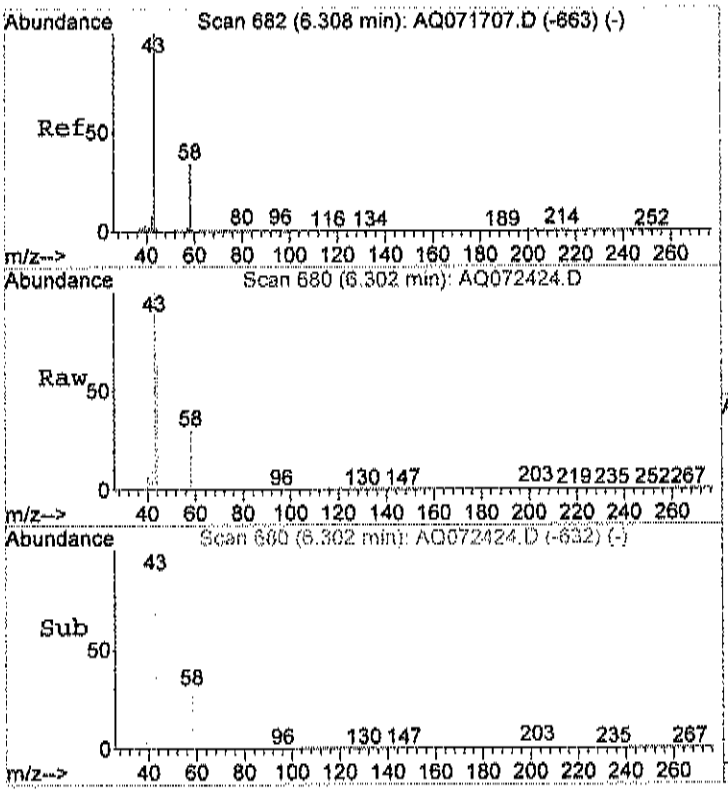
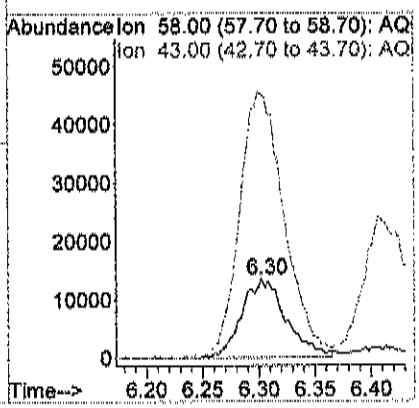
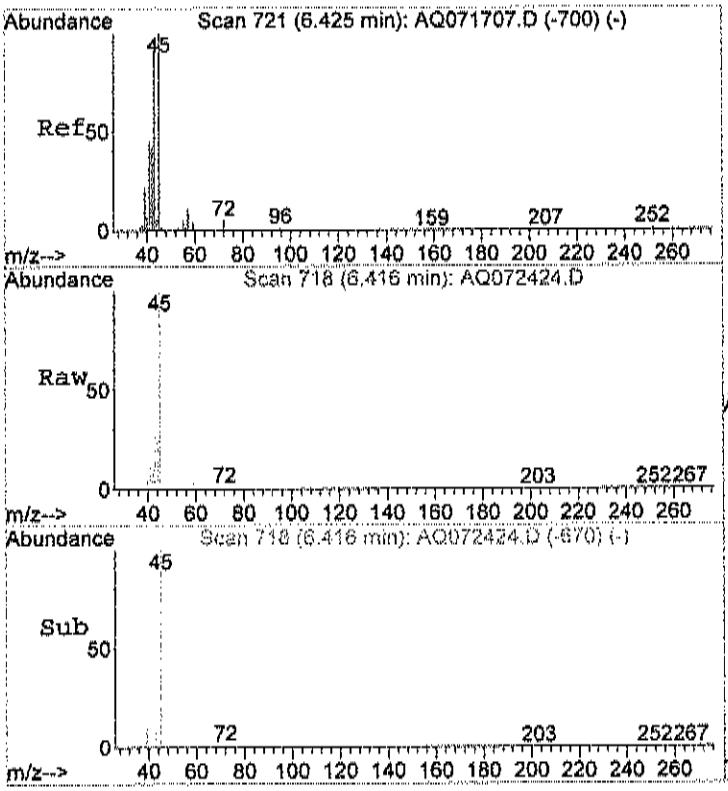


#15
Acetone
Concen: 1.43 ppb m
RT: 6.30 min Scan# 680
Delta R.T. -0.01 min
Lab File: AQ072424.D
Acq: 25 Jul 2019 6:59 am

Tgt Ion: 58 Resp: 37123

Ion	Ratio	Lower	Upper
58	100		
43	346.8	227.7	287.7#

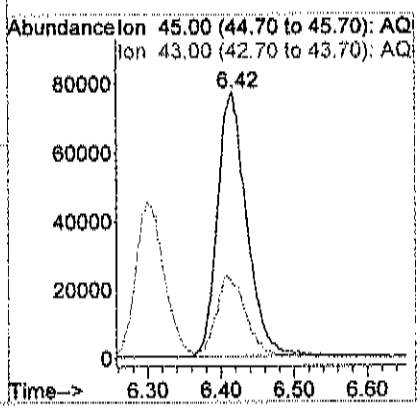


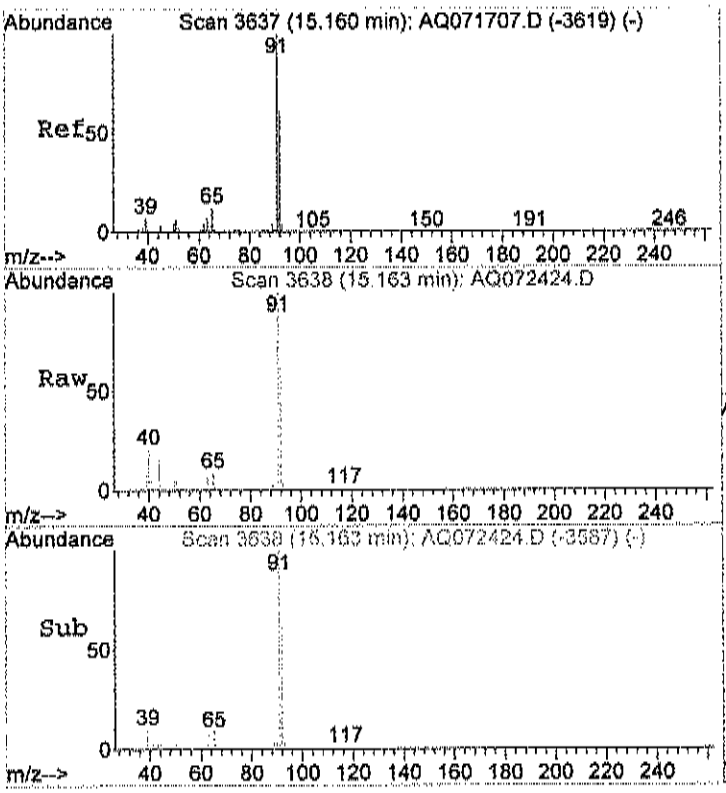


#17
Isopropyl alcohol
Concen: 2.29 ppb
RT: 6.42 min Scan# 718
Delta R.T. -0.01 min
Lab File: AQ072424.D
Acq: 25 Jul 2019 6:59 am

Tgt Ion: 45 Resp: 213219

Ion	Ratio	Lower	Upper
45	100		
43	32.2	113.1	153.1#

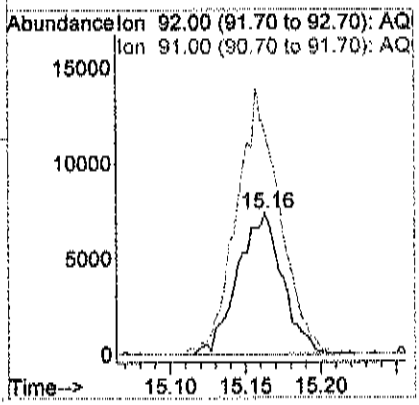


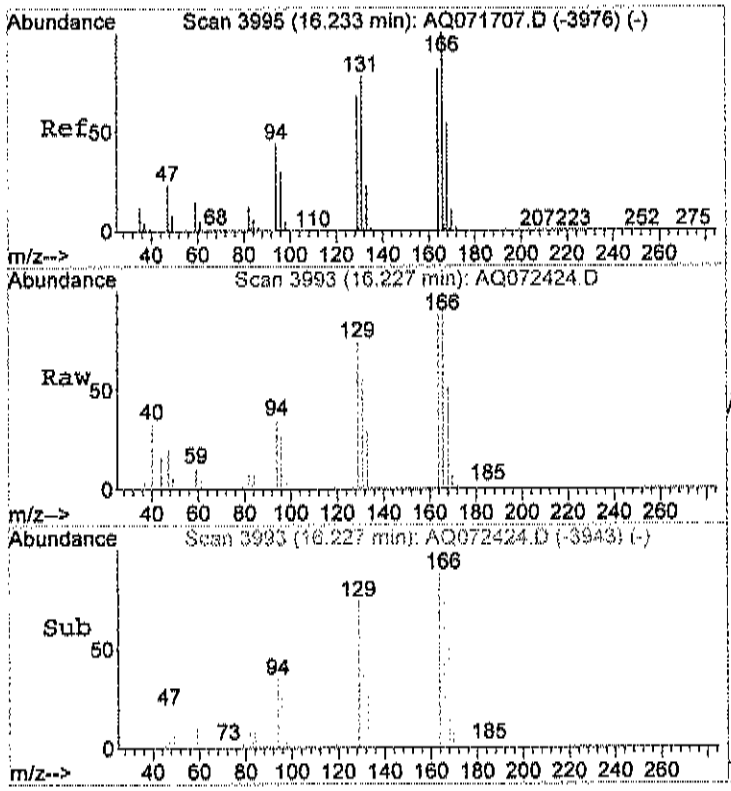


#51
Toluene
Concen: 0.20 ppb
RT: 15.16 min Scan# 3638
Delta R.T. 0.00 min
Lab File: AQ072424.D
Acq: 25 Jul 2019 6:59 am

Tgt Ion: 92 Resp: 15273

Ion	Ratio	Lower	Upper
92	100		
91	180.9	153.2	193.2

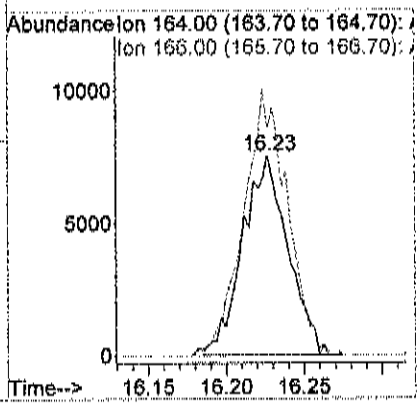




#56
Tetrachloroethylene
Concen: 0.25 ppb
RT: 16.23 min Scan# 3993
Delta R.T. -0.00 min
Lab File: AQ072424.D
Acq: 25 Jul 2019 6:59 am

Tgt Ion:164 Resp: 15314

Ion	Ratio	Lower	Upper
164	100		
166	127.8	108.8	148.8



Centek Laboratories, LLC

Date: *30-Aug-19*

CLIENT:	LaBella Associates, P.C.	**Client Sample ID:**	113-3
Lab Order:	C1907049	**Tag Number:**	133,253
Project:	113-117 Clinton North	**Collection Date:**	7/17/2019
Lab ID:	C1907049-003A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		FLD				Analyst:
Lab Vacuum In	-3			"Hg		7/22/2019
Lab Vacuum Out	-30			"Hg		7/22/2019
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		TO-15				Analyst: RJP
1,1,1-Trichloroethane	< 0.15	0.15		ppbV	1	7/24/2019 6:55:00 PM
1,1,2,2-Tetrachloroethane	< 0.15	0.15		ppbV	1	7/24/2019 6:55:00 PM
1,1,2-Trichloroethane	< 0.15	0.15		ppbV	1	7/24/2019 6:55:00 PM
1,1-Dichloroethane	< 0.15	0.15		ppbV	1	7/24/2019 6:55:00 PM
1,1-Dichloroethene	< 0.040	0.040		ppbV	1	7/24/2019 6:55:00 PM
1,2,4-Trichlorobenzene	< 0.15	0.15		ppbV	1	7/24/2019 6:55:00 PM
1,2,4-Trimethylbenzene	0.90	0.15		ppbV	1	7/24/2019 6:55:00 PM
1,2-Dibromoethane	< 0.15	0.15		ppbV	1	7/24/2019 6:55:00 PM
1,2-Dichlorobenzene	< 0.15	0.15		ppbV	1	7/24/2019 6:55:00 PM
1,2-Dichloroethane	< 0.15	0.15		ppbV	1	7/24/2019 6:55:00 PM
1,2-Dichloropropane	< 0.15	0.15		ppbV	1	7/24/2019 6:55:00 PM
1,3,5-Trimethylbenzene	0.71	0.15		ppbV	1	7/24/2019 6:55:00 PM
1,3-butadiene	< 0.15	0.15		ppbV	1	7/24/2019 6:55:00 PM
1,3-Dichlorobenzene	< 0.15	0.15		ppbV	1	7/24/2019 6:55:00 PM
1,4-Dichlorobenzene	< 0.15	0.15		ppbV	1	7/24/2019 6:55:00 PM
1,4-Dioxane	< 0.30	0.30		ppbV	1	7/24/2019 6:55:00 PM
2,2,4-trimethylpentane	0.70	0.15		ppbV	1	7/24/2019 6:55:00 PM
4-ethyltoluene	0.21	0.15		ppbV	1	7/24/2019 6:55:00 PM
Acetone	10	3.0		ppbV	10	7/25/2019 7:43:00 AM
Allyl chloride	< 0.15	0.15		ppbV	1	7/24/2019 6:55:00 PM
Benzene	0.65	0.15		ppbV	1	7/24/2019 6:55:00 PM
Benzyl chloride	< 0.15	0.15		ppbV	1	7/24/2019 6:55:00 PM
Bromodichloromethane	< 0.15	0.15		ppbV	1	7/24/2019 6:55:00 PM
Bromoform	< 0.15	0.15		ppbV	1	7/24/2019 6:55:00 PM
Bromomethane	< 0.15	0.15		ppbV	1	7/24/2019 6:55:00 PM
Carbon disulfide	0.11	0.15	J	ppbV	1	7/24/2019 6:55:00 PM
Carbon tetrachloride	0.10	0.030		ppbV	1	7/24/2019 6:55:00 PM
Chlorobenzene	< 0.15	0.15		ppbV	1	7/24/2019 6:55:00 PM
Chloroethane	< 0.15	0.15		ppbV	1	7/24/2019 6:55:00 PM
Chloroform	0.89	0.15		ppbV	1	7/24/2019 6:55:00 PM
Chloromethane	0.91	0.15		ppbV	1	7/24/2019 6:55:00 PM
cis-1,2-Dichloroethene	< 0.040	0.040		ppbV	1	7/24/2019 6:55:00 PM
cis-1,3-Dichloropropene	< 0.15	0.15		ppbV	1	7/24/2019 6:55:00 PM
Cyclohexane	0.42	0.15		ppbV	1	7/24/2019 6:55:00 PM
Dibromochloromethane	< 0.15	0.15		ppbV	1	7/24/2019 6:55:00 PM
Ethyl acetate	0.27	0.15		ppbV	1	7/24/2019 6:55:00 PM

Qualifiers:

**	Quantitation Limit	.	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		

Centek Laboratories, LLC

Date: *30-Aug-19*

CLIENT:	LaBella Associates, P.C.	**Client Sample ID:**	113-3
Lab Order:	C1907049	**Tag Number:**	133,253
Project:	113-117 Clinton North	**Collection Date:**	7/17/2019
Lab ID:	C1907049-003A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		**TO-15**				Analyst: **RJP**
Ethylbenzene	0.38	0.15		ppbV	1	7/24/2019 6:55:00 PM
Freon 11	0.28	0.15		ppbV	1	7/24/2019 6:55:00 PM
Freon 113	< 0.15	0.15		ppbV	1	7/24/2019 6:55:00 PM
Freon 114	< 0.15	0.15		ppbV	1	7/24/2019 6:55:00 PM
Freon 12	< 0.15	0.15		ppbV	1	7/24/2019 6:55:00 PM
Heptane	0.54	0.15		ppbV	1	7/24/2019 6:55:00 PM
Hexachloro-1,3-butadiene	< 0.15	0.15		ppbV	1	7/24/2019 6:55:00 PM
Hexane	1.4	0.15		ppbV	1	7/24/2019 6:55:00 PM
Isopropyl alcohol	21	1.5		ppbV	10	7/25/2019 7:43:00 AM
m&p-Xylene	1.4	0.30		ppbV	1	7/24/2019 6:55:00 PM
Methyl Butyl Ketone	< 0.30	0.30		ppbV	1	7/24/2019 6:55:00 PM
Methyl Ethyl Ketone	1.7	0.30		ppbV	1	7/24/2019 6:55:00 PM
Methyl Isobutyl Ketone	< 0.30	0.30		ppbV	1	7/24/2019 6:55:00 PM
Methyl tert-butyl ether	< 0.15	0.15		ppbV	1	7/24/2019 6:55:00 PM
Methylene chloride	0.44	0.15		ppbV	1	7/24/2019 6:55:00 PM
o-Xylene	0.51	0.15		ppbV	1	7/24/2019 6:55:00 PM
Propylene	< 0.15	0.15		ppbV	1	7/24/2019 6:55:00 PM
Styrene	0.28	0.15		ppbV	1	7/24/2019 6:55:00 PM
Tetrachloroethylene	2.0	0.15		ppbV	1	7/24/2019 6:55:00 PM
Tetrahydrofuran	< 0.15	0.15		ppbV	1	7/24/2019 6:55:00 PM
Toluene	2.2	0.15		ppbV	1	7/24/2019 6:55:00 PM
trans-1,2-Dichloroethene	< 0.15	0.15		ppbV	1	7/24/2019 6:55:00 PM
trans-1,3-Dichloropropene	< 0.15	0.15		ppbV	1	7/24/2019 6:55:00 PM
Trichloroethene	< 0.030	0.030		ppbV	1	7/24/2019 6:55:00 PM
Vinyl acetate	< 0.15	0.15		ppbV	1	7/24/2019 6:55:00 PM
Vinyl Bromide	< 0.15	0.15		ppbV	1	7/24/2019 6:55:00 PM
Vinyl chloride	< 0.040	0.040		ppbV	1	7/24/2019 6:55:00 PM
Surr: Bromofluorobenzene	112	70-130		%REC	1	7/24/2019 6:55:00 PM

Qualifiers:

**	Quantitation Limit	.	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
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Centek Laboratories, LLC

Date: *30-Aug-19*

CLIENT:	LaBella Associates, P.C.	**Client Sample ID:**	113-3
Lab Order:	C1907049	**Tag Number:**	133,253
Project:	113-117 Clinton North	**Collection Date:**	7/17/2019
Lab ID:	C1907049-003A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	< 0.82	0.82		ug/m3	1	7/24/2019 6:55:00 PM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		ug/m3	1	7/24/2019 6:55:00 PM
1,1,2-Trichloroethane	< 0.82	0.82		ug/m3	1	7/24/2019 6:55:00 PM
1,1-Dichloroethane	< 0.61	0.61		ug/m3	1	7/24/2019 6:55:00 PM
1,1-Dichloroethene	< 0.16	0.16		ug/m3	1	7/24/2019 6:55:00 PM
1,2,4-Trichlorobenzene	< 1.1	1.1		ug/m3	1	7/24/2019 6:55:00 PM
1,2,4-Trimethylbenzene	4.4	0.74		ug/m3	1	7/24/2019 6:55:00 PM
1,2-Dibromoethane	< 1.2	1.2		ug/m3	1	7/24/2019 6:55:00 PM
1,2-Dichlorobenzene	< 0.90	0.90		ug/m3	1	7/24/2019 6:55:00 PM
1,2-Dichloroethane	< 0.61	0.61		ug/m3	1	7/24/2019 6:55:00 PM
1,2-Dichloropropane	< 0.69	0.69		ug/m3	1	7/24/2019 6:55:00 PM
1,3,5-Trimethylbenzene	3.5	0.74		ug/m3	1	7/24/2019 6:55:00 PM
1,3-butadiene	< 0.33	0.33		ug/m3	1	7/24/2019 6:55:00 PM
1,3-Dichlorobenzene	< 0.90	0.90		ug/m3	1	7/24/2019 6:55:00 PM
1,4-Dichlorobenzene	< 0.90	0.90		ug/m3	1	7/24/2019 6:55:00 PM
1,4-Dioxane	< 1.1	1.1		ug/m3	1	7/24/2019 6:55:00 PM
2,2,4-trimethylpentane	3.3	0.70		ug/m3	1	7/24/2019 6:55:00 PM
4-ethyltoluene	1.0	0.74		ug/m3	1	7/24/2019 6:55:00 PM
Acetone	25	7.1		ug/m3	10	7/25/2019 7:43:00 AM
Allyl chloride	< 0.47	0.47		ug/m3	1	7/24/2019 6:55:00 PM
Benzene	2.1	0.48		ug/m3	1	7/24/2019 6:55:00 PM
Benzyl chloride	< 0.86	0.86		ug/m3	1	7/24/2019 6:55:00 PM
Bromodichloromethane	< 1.0	1.0		ug/m3	1	7/24/2019 6:55:00 PM
Bromoform	< 1.6	1.6		ug/m3	1	7/24/2019 6:55:00 PM
Bromomethane	< 0.58	0.58		ug/m3	1	7/24/2019 6:55:00 PM
Carbon disulfide	0.34	0.47	J	ug/m3	1	7/24/2019 6:55:00 PM
Carbon tetrachloride	0.63	0.19		ug/m3	1	7/24/2019 6:55:00 PM
Chlorobenzene	< 0.69	0.69		ug/m3	1	7/24/2019 6:55:00 PM
Chloroethane	< 0.40	0.40		ug/m3	1	7/24/2019 6:55:00 PM
Chloroform	4.3	0.73		ug/m3	1	7/24/2019 6:55:00 PM
Chloromethane	1.9	0.31		ug/m3	1	7/24/2019 6:55:00 PM
cis-1,2-Dichloroethene	< 0.16	0.16		ug/m3	1	7/24/2019 6:55:00 PM
cis-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	7/24/2019 6:55:00 PM
Cyclohexane	1.4	0.52		ug/m3	1	7/24/2019 6:55:00 PM
Dibromochloromethane	< 1.3	1.3		ug/m3	1	7/24/2019 6:55:00 PM
Ethyl acetate	0.97	0.54		ug/m3	1	7/24/2019 6:55:00 PM
Ethylbenzene	1.6	0.65		ug/m3	1	7/24/2019 6:55:00 PM
Freon 11	1.6	0.84		ug/m3	1	7/24/2019 6:55:00 PM
Freon 113	< 1.1	1.1		ug/m3	1	7/24/2019 6:55:00 PM
Freon 114	< 1.0	1.0		ug/m3	1	7/24/2019 6:55:00 PM

Qualifiers:

**	Quantitation Limit	.	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		

Centek Laboratories, LLC

Date: *30-Aug-19*

CLIENT:	LaBella Associates, P.C.	**Client Sample ID:**	113-3
Lab Order:	C1907049	**Tag Number:**	133,253
Project:	113-117 Clinton North	**Collection Date:**	7/17/2019
Lab ID:	C1907049-003A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		**TO-15**				Analyst: **RJP**
Freon 12	< 0.74	0.74		ug/m3	1	7/24/2019 6:55:00 PM
Heptane	2.2	0.61		ug/m3	1	7/24/2019 6:55:00 PM
Hexachloro-1,3-butadiene	< 1.6	1.6		ug/m3	1	7/24/2019 6:55:00 PM
Hexane	5.0	0.53		ug/m3	1	7/24/2019 6:55:00 PM
Isopropyl alcohol	52	3.7		ug/m3	10	7/25/2019 7:43:00 AM
m&p-Xylene	6.1	1.3		ug/m3	1	7/24/2019 6:55:00 PM
Methyl Butyl Ketone	< 1.2	1.2		ug/m3	1	7/24/2019 6:55:00 PM
Methyl Ethyl Ketone	4.9	0.88		ug/m3	1	7/24/2019 6:55:00 PM
Methyl Isobutyl Ketone	< 1.2	1.2		ug/m3	1	7/24/2019 6:55:00 PM
Methyl tert-butyl ether	< 0.54	0.54		ug/m3	1	7/24/2019 6:55:00 PM
Methylene chloride	1.5	0.52		ug/m3	1	7/24/2019 6:55:00 PM
o-Xylene	2.2	0.65		ug/m3	1	7/24/2019 6:55:00 PM
Propylene	< 0.26	0.26		ug/m3	1	7/24/2019 6:55:00 PM
Styrene	1.2	0.64		ug/m3	1	7/24/2019 6:55:00 PM
Tetrachloroethylene	13	1.0		ug/m3	1	7/24/2019 6:55:00 PM
Tetrahydrofuran	< 0.44	0.44		ug/m3	1	7/24/2019 6:55:00 PM
Toluene	8.2	0.57		ug/m3	1	7/24/2019 6:55:00 PM
trans-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	7/24/2019 6:55:00 PM
trans-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	7/24/2019 6:55:00 PM
Trichloroethene	< 0.16	0.16		ug/m3	1	7/24/2019 6:55:00 PM
Vinyl acetate	< 0.53	0.53		ug/m3	1	7/24/2019 6:55:00 PM
Vinyl Bromide	< 0.66	0.66		ug/m3	1	7/24/2019 6:55:00 PM
Vinyl chloride	< 0.10	0.10		ug/m3	1	7/24/2019 6:55:00 PM

Qualifiers:

**	Quantitation Limit	.	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		

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AQ072408.D Vial: 6
Acq On : 24 Jul 2019 6:55 pm Operator: RJP
Sample : C1907049-003A Inst : MSD #1
Misc : A717_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 24 19:57:03 2019 Quant Results File: A717_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A717_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed Jul 17 21:42:36 2019
Response via : Initial Calibration
DataAcq Meth : 1UG_ENT

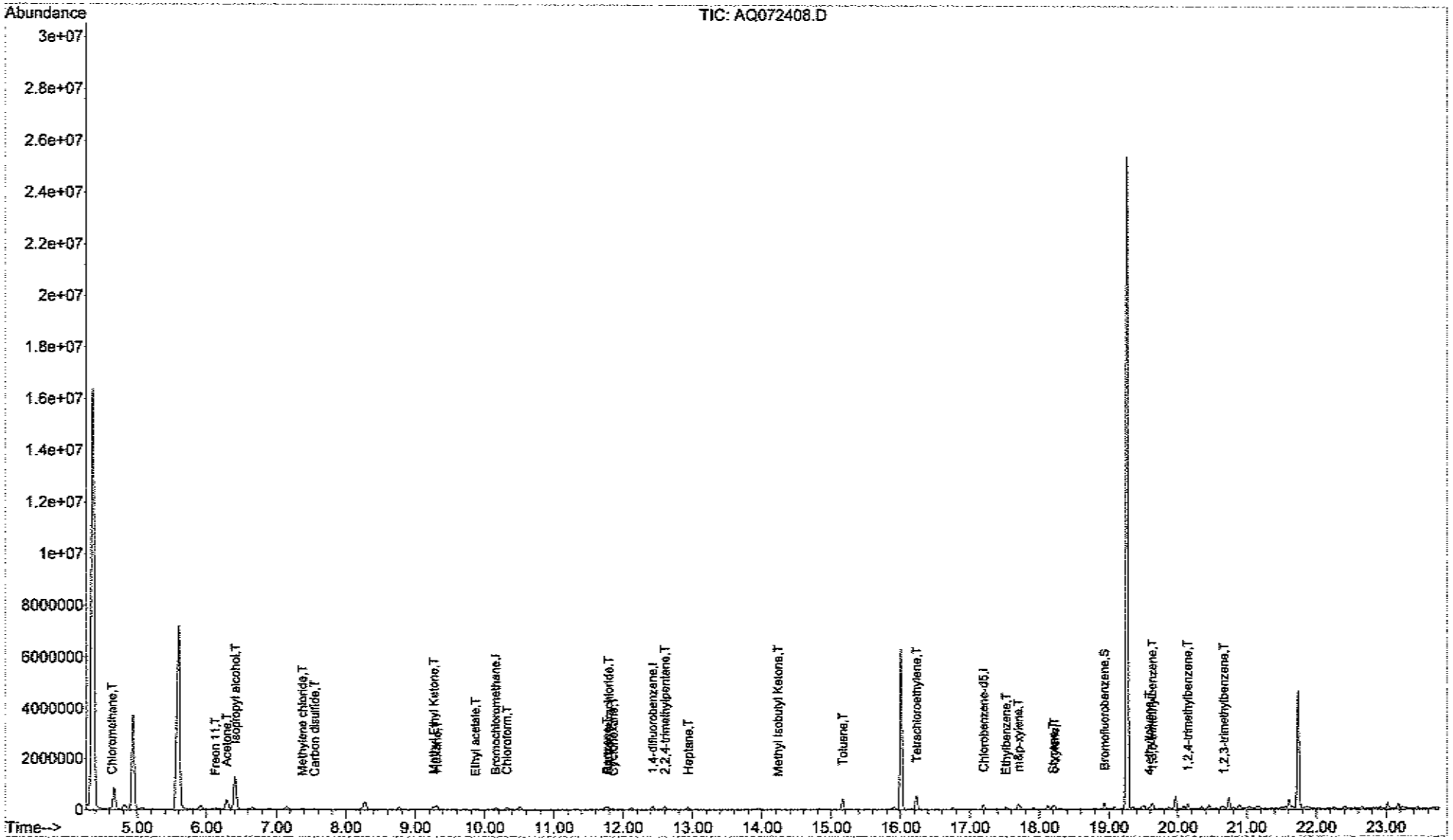
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	10.16	128	38536	1.00	ppb		0.00
35) 1,4-difluorobenzene	12.43	114	144492	1.00	ppb		0.00
50) Chlorobenzene-d5	17.19	117	135305	1.00	ppb		0.00
System Monitoring Compounds							
65) Bromofluorobenzene	18.93	95	89671	1.12	ppb		0.00
Spiked Amount 1.000	Range 70 - 130		Recovery = 112.00%				
Target Compounds							Qvalue
4) Chloromethane	4.62	50	35738	0.91	ppb		95
14) Freon 11	6.13	101	44367	0.28	ppb		98
15) Acetone	6.29	58	196785m	6.35	ppb		
17) Isopropyl alcohol	6.41	45	1871885	16.78	ppb	#	13
21) Methylene chloride	7.37	84	22427	0.44	ppb		95
23) Carbon disulfide	7.55	76	17828	0.11	ppb		90
28) Methyl Ethyl Ketone	9.26	72	43031	1.67	ppb	#	1
30) Hexane	9.31	57	107300	1.43	ppb		94
31) Ethyl acetate	9.86	43	38428	0.27	ppb		93
32) Chloroform	10.32	83	104919	0.89	ppb		98
37) Cyclohexane	11.84	56	24972m	0.42	ppb		
38) Carbon tetrachloride	11.79	117	11478	0.10	ppb		97
39) Benzene	11.75	78	89224	0.65	ppb		98
42) 2,2,4-trimethylpentane	12.59	57	132748	0.70	ppb		74
43) Heptane	12.94	43	36870	0.54	ppb		90
51) Toluene	15.16	92	218387	2.17	ppb		96
52) Methyl Isobutyl Ketone	14.23	43	11659	0.10	ppb	#	72
56) Tetrachloroethylene	16.22	164	162609	1.99	ppb		99
58) Ethylbenzene	17.52	91	73154	0.38	ppb		98
59) m&p-xylene	17.70	91	213752	1.41	ppb		100
61) Styrene	18.19	104	34192	0.28	ppb		88
63) o-xylene	18.22	91	87040	0.51	ppb		98
69) 4-ethyltoluene	19.59	105	43688m	0.21	ppb		
70) 1,3,5-trimethylbenzene	19.63	105	128516m	0.71	ppb		
71) 1,2,4-trimethylbenzene	20.14	105	140467	0.90	ppb		98
75) 1,2,3-trimethylbenzene	20.67	105	47733	0.27	ppb		88

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

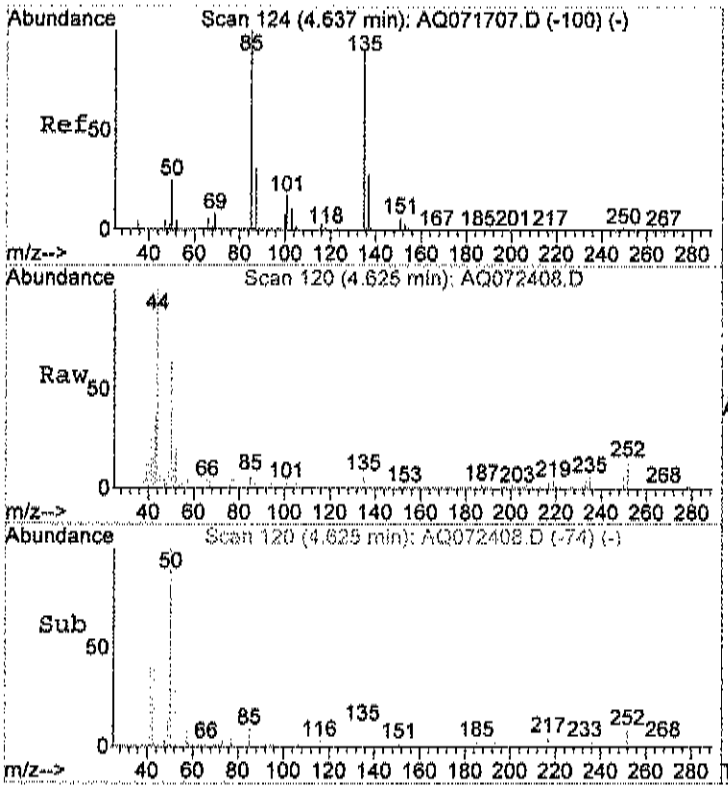
Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AQ072408.D Vial: 6
Acq On : 24 Jul 2019 6:55 pm Operator: RJP
Sample : C1907049-003A Inst : MSD #1
Misc : A717_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 26 9:55 2019 Quant Results File: A717_1UG.RES

Method : C:\HPCHEM\1\METHODS\A717_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed Jul 17 21:42:36 2019
Response via : Initial Calibration



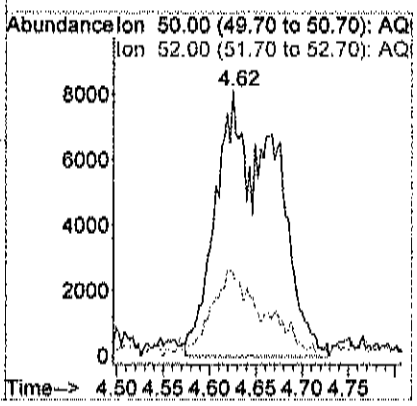
Centek Laboratories, LLC

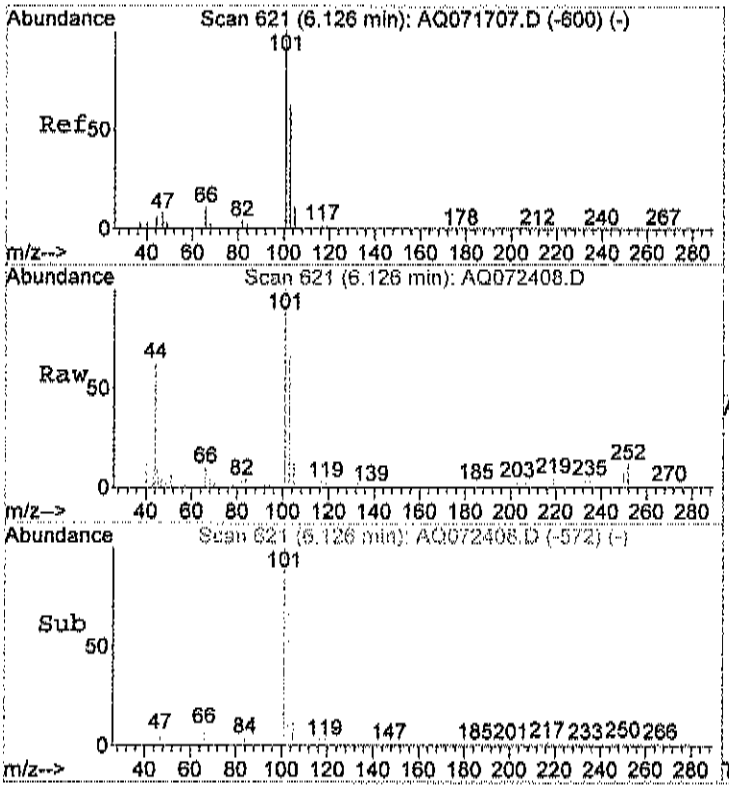


#4
Chloromethane
Concen: 0.91 ppb
RT: 4.62 min Scan# 120
Delta R.T. -0.01 min
Lab File: AQ072408.D
Acq: 24 Jul 2019 6:55 pm

Tgt Ion: 50 Resp: 35738

Ion	Ratio	Lower	Upper
50	100		
52	29.9	7.1	47.1

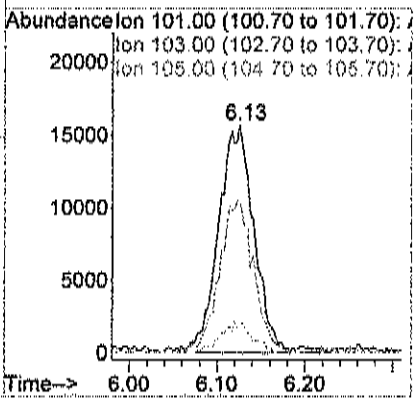


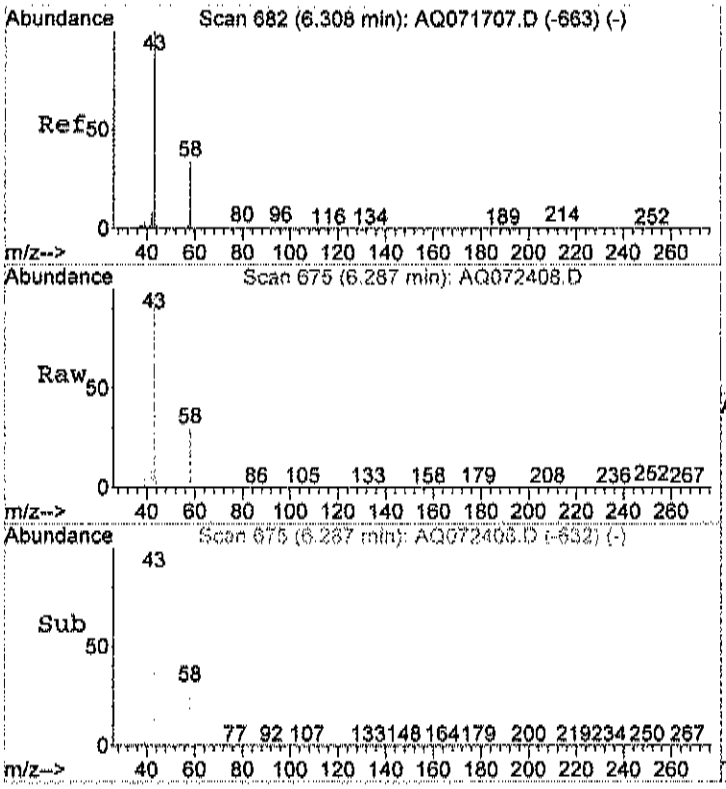


#14
Freon 11
Concen: 0.28 ppb
RT: 6.13 min Scan# 621
Delta R.T. -0.00 min
Lab File: AQ072408.D
Acq: 24 Jul 2019 6:55 pm

Tgt Ion:101 Resp: 44367

Ion	Ratio	Lower	Upper
101	100		
103	64.1	45.8	85.8
105	11.2	0.0	31.1

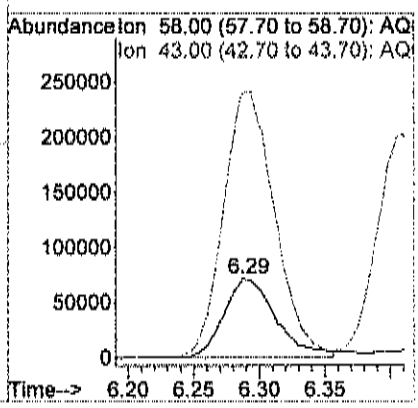


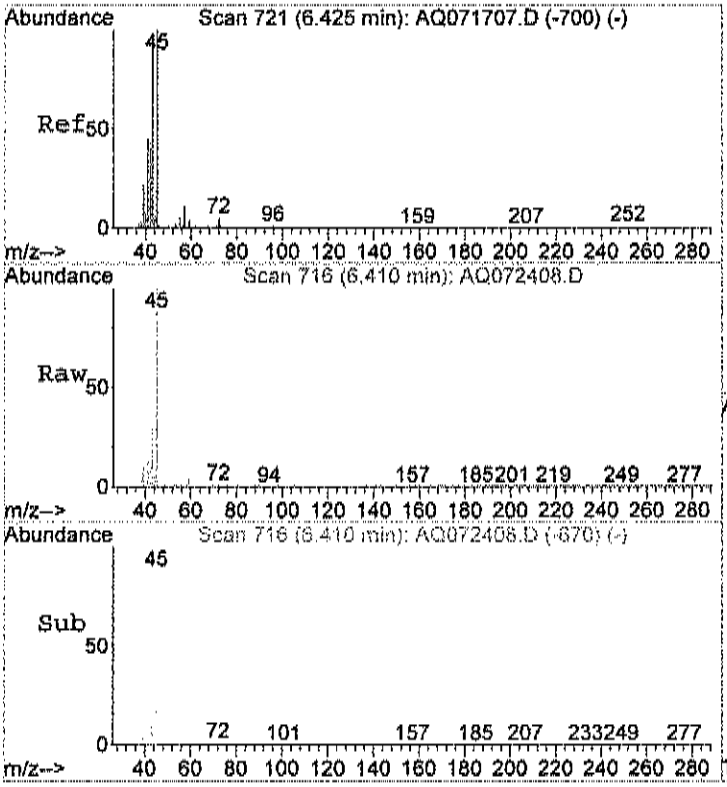


#15
Acetone
Concen: 6.35 ppb m
RT: 6.29 min Scan# 675
Delta R.T. -0.02 min
Lab File: AQ072408.D
Acq: 24 Jul 2019 6:55 pm

Tgt Ion: 58 Resp: 196785

Ion	Ratio	Lower	Upper
58	100		
43	328.0	227.7	287.7#

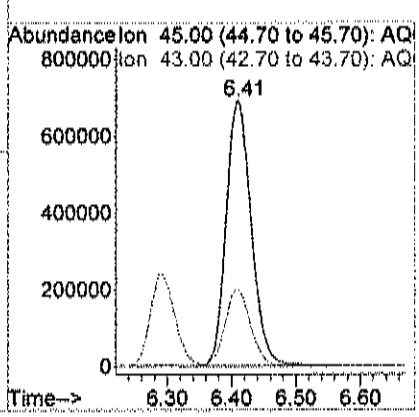


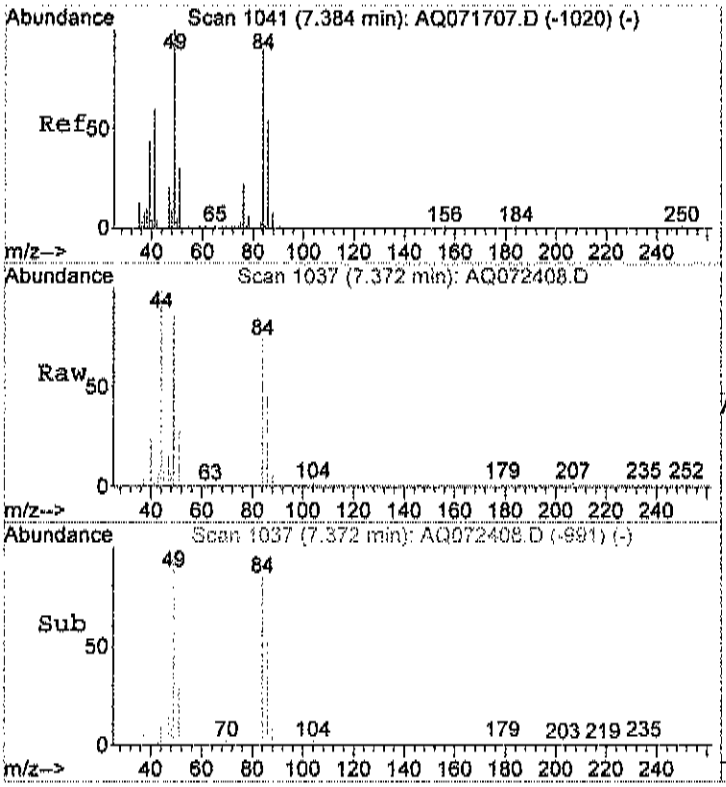


#17
Isopropyl alcohol
Concen: 16.78 ppb
RT: 6.41 min Scan# 716
Delta R.T. -0.01 min
Lab File: AQ072408.D
Acq: 24 Jul 2019 6:55 pm

Tgt Ion: 45 Resp: 1871885

Ion	Ratio	Lower	Upper
45	100		
43	29.8	113.1	153.1#

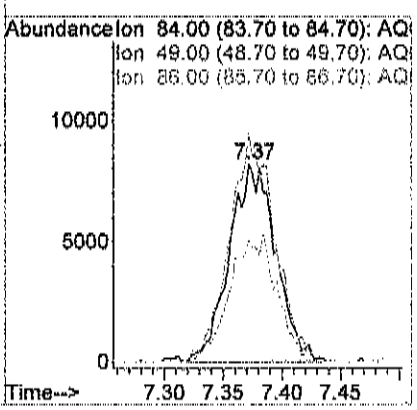


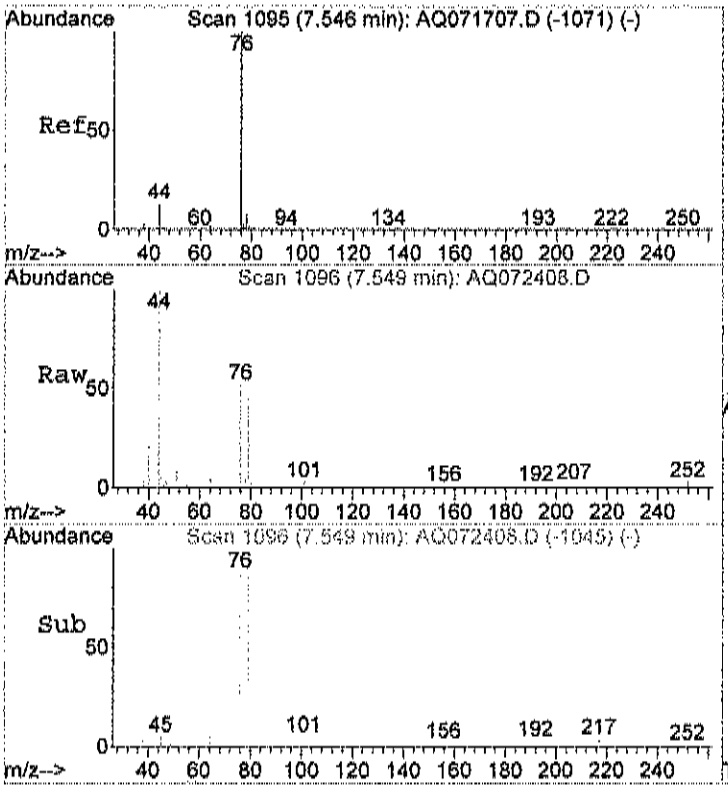


#21
Methylene chloride
Concen: 0.44 ppb
RT: 7.37 min Scan# 1037
Delta R.T. -0.01 min
Lab File: AQ072408.D
Acq: 24 Jul 2019 6:55 pm

Tgt Ion: 84 Resp: 22427

Ion	Ratio	Lower	Upper
84	100		
49	112.5	101.0	141.0
86	64.7	45.8	85.8

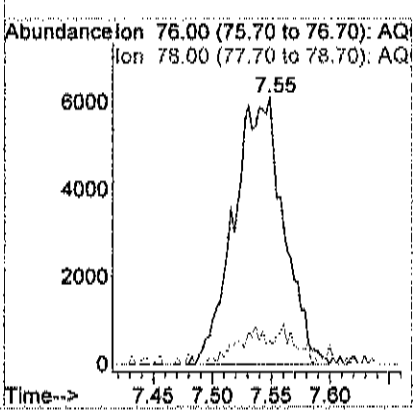


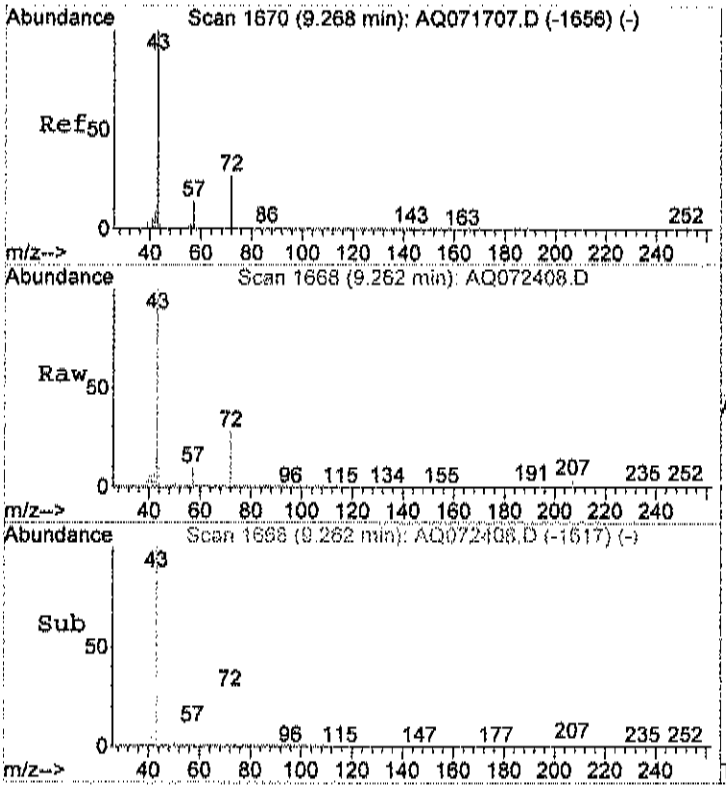


#23
Carbon disulfide
Concen: 0.11 ppb
RT: 7.55 min Scan# 1096
Delta R.T. 0.00 min
Lab File: AQ072408.D
Acq: 24 Jul 2019 6:55 pm

Tgt Ion: 76 Resp: 17828

Ion	Ratio	Lower	Upper
76	100		
78	13.5	0.0	29.9

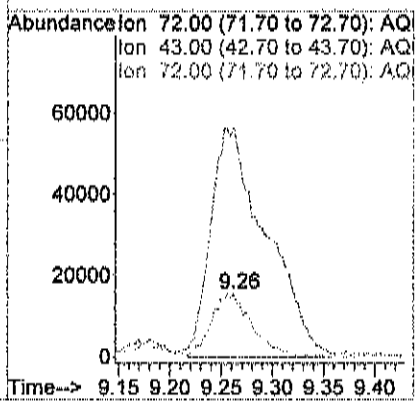


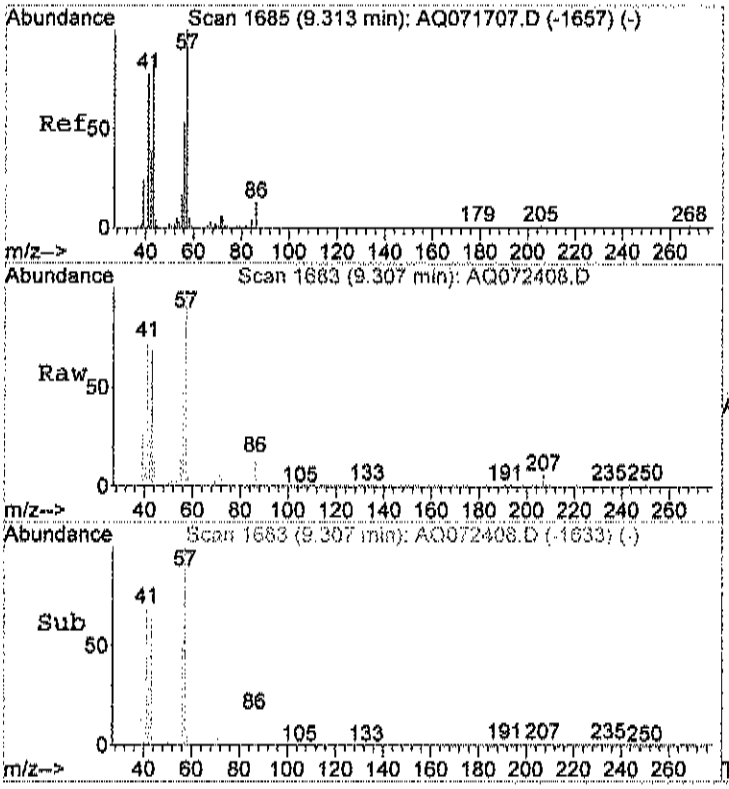


#28
Methyl Ethyl Ketone
Concen: 1.67 ppb
RT: 9.26 min Scan# 1668
Delta R.T. 0.00 min
Lab File: AQ072408.D
Acq: 24 Jul 2019 6:55 pm

Tgt Ion: 72 Resp: 43031

Ion	Ratio	Lower	Upper
72	100		
43	0.0	516.8	556.8#
72	100.0	80.0	120.0

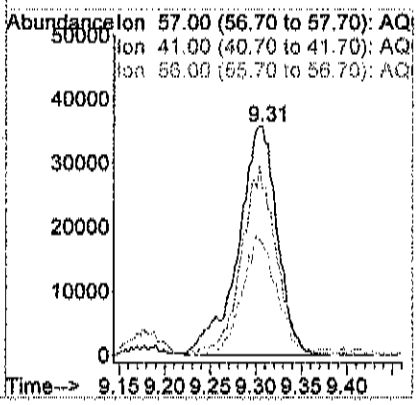


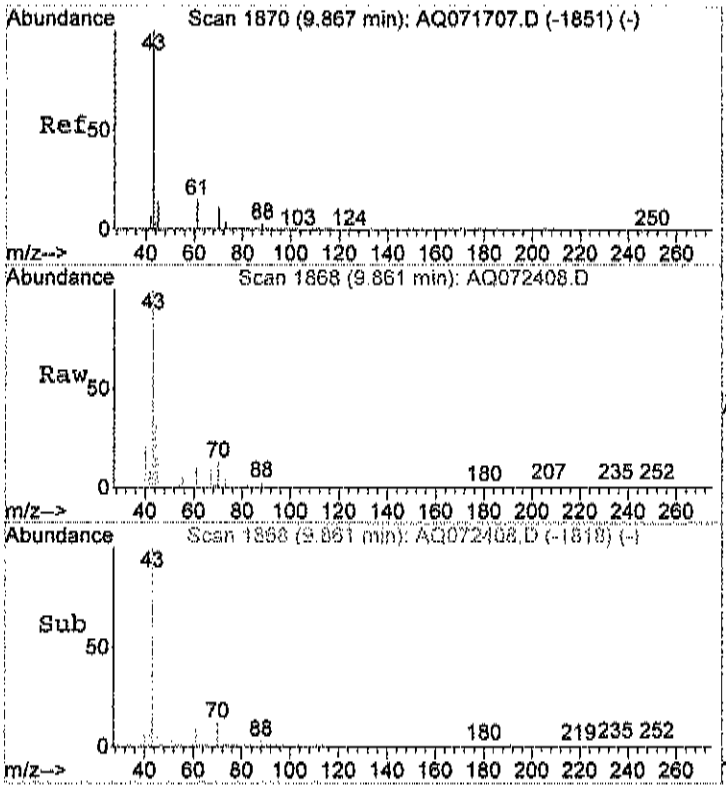


#30
Hexane
Concen: 1.43 ppb
RT: 9.31 min Scan# 1683
Delta R.T. -0.00 min
Lab File: AQ072408.D
Acq: 24 Jul 2019 6:55 pm

Tgt Ion: 57 Resp: 107300

Ion	Ratio	Lower	Upper
57	100		
41	75.0	47.8	87.8
56	46.6	25.8	65.8

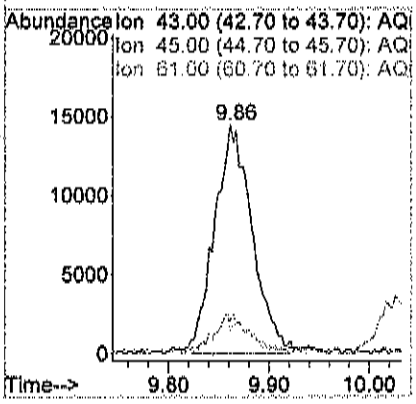


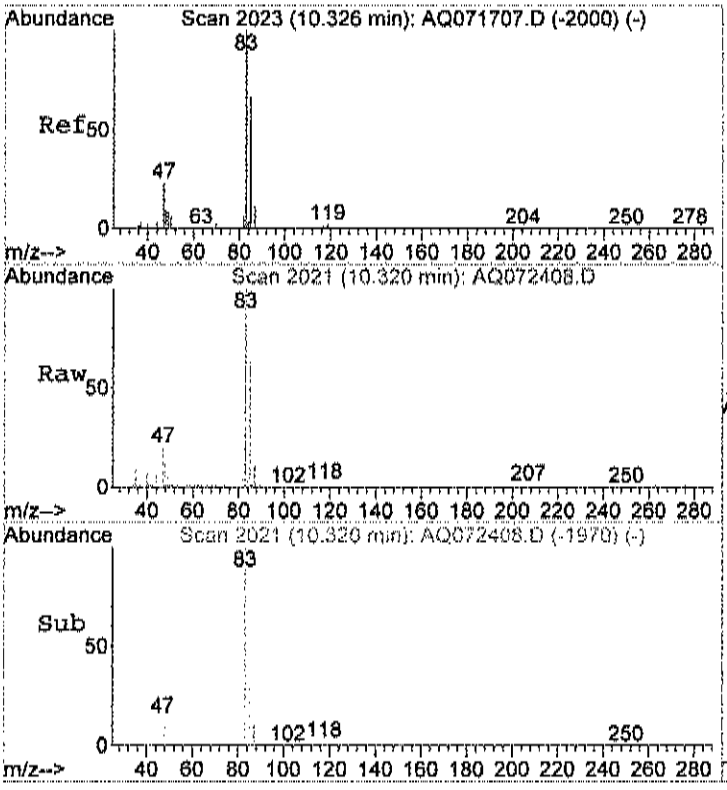


#31
Ethyl acetate
Concen: 0.27 ppb
RT: 9.86 min Scan# 1868
Delta R.T. -0.00 min
Lab File: AQ072408.D
Acq: 24 Jul 2019 6:55 pm

Tgt Ion: 43 Resp: 38428

Ion	Ratio	Lower	Upper
43	100		
45	19.5	0.0	35.0
61	14.9	0.0	36.1

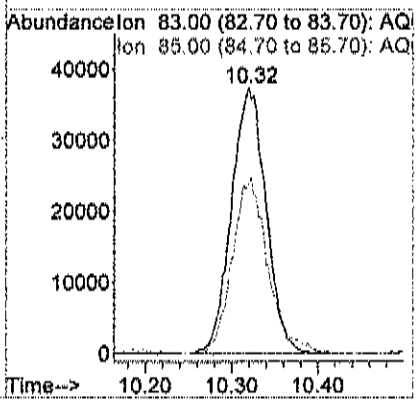


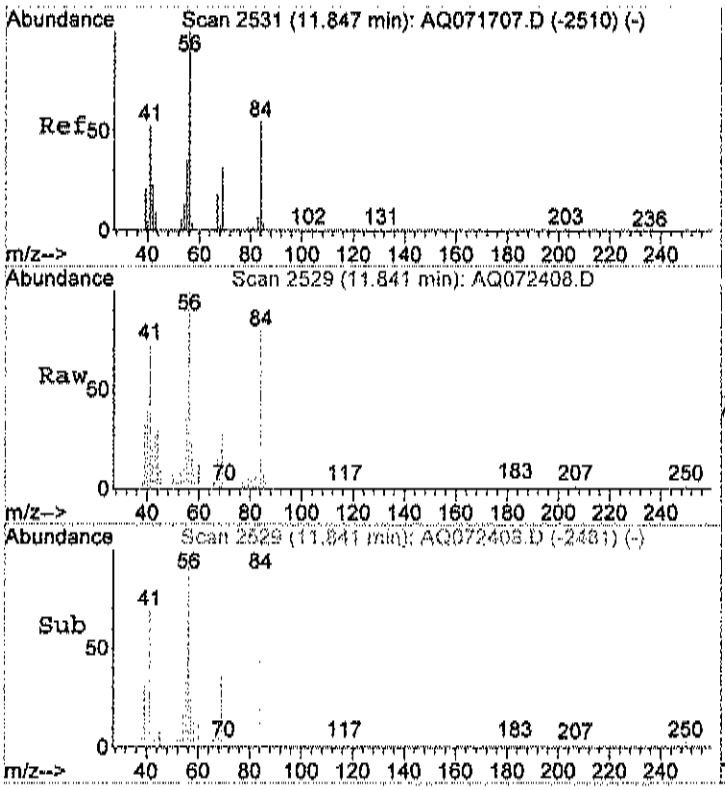


#32
Chloroform
Concen: 0.89 ppb
RT: 10.32 min Scan# 2021
Delta R.T. 0.00 min
Lab File: AQ072408.D
Acq: 24 Jul 2019 6:55 pm

Tgt Ion: 83 Resp: 104919

Ion	Ratio	Lower	Upper
83	100		
85	68.1	46.8	86.8

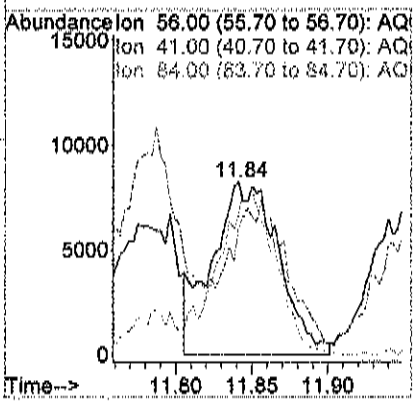


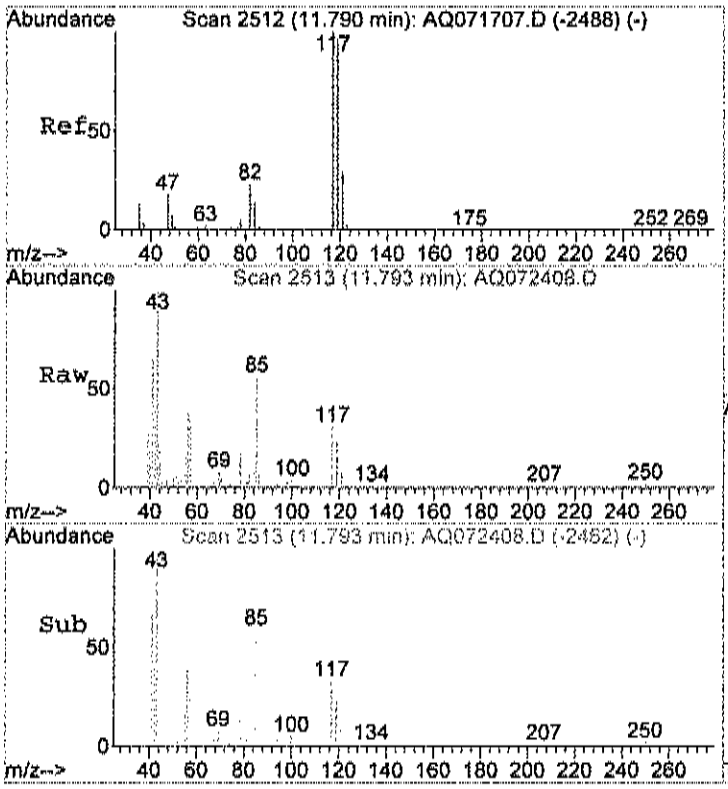


#37
Cyclohexane
Concen: 0.42 ppb m
RT: 11.84 min Scan# 2529
Delta R.T. -0.01 min
Lab File: AQ072408.D
Acq: 24 Jul 2019 6:55 pm

Tgt Ion: 56 Resp: 24972

Ion	Ratio	Lower	Upper
56	100		
41	49.0	33.6	73.6
84	3.6	89.5	129.5#

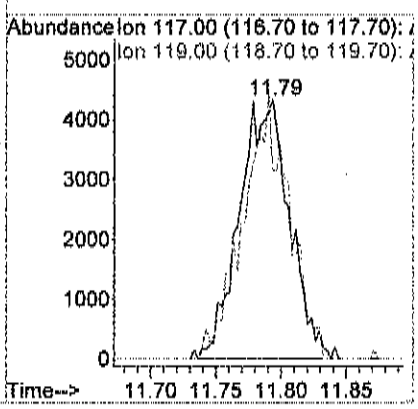


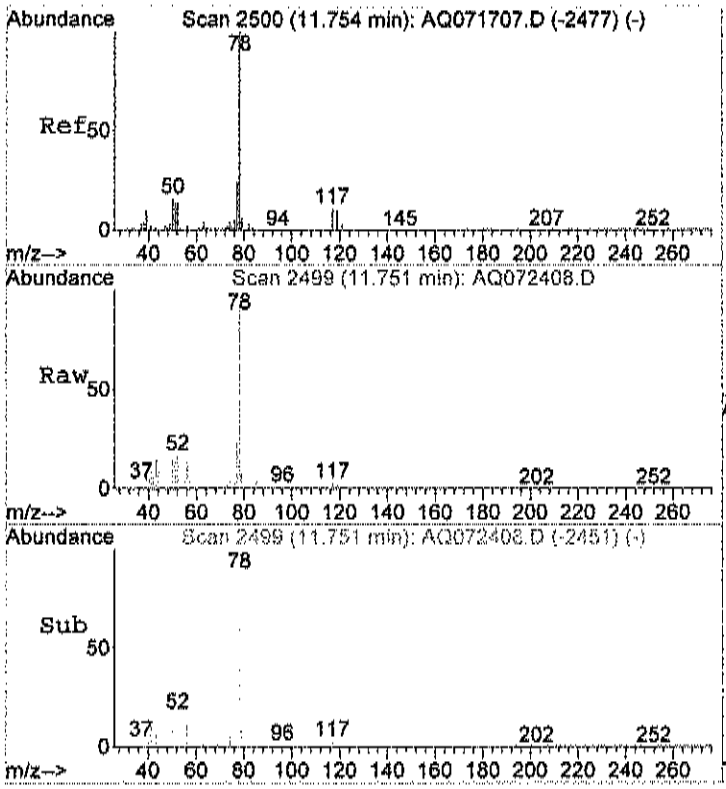


#38
Carbon tetrachloride
Concen: 0.10 ppb
RT: 11.79 min Scan# 2513
Delta R.T. 0.00 min
Lab File: AQ072408.D
Acq: 24 Jul 2019 6:55 pm

Tgt Ion:117 Resp: 11478

Ion	Ratio	Lower	Upper
117	100		
119	93.6	76.1	116.1

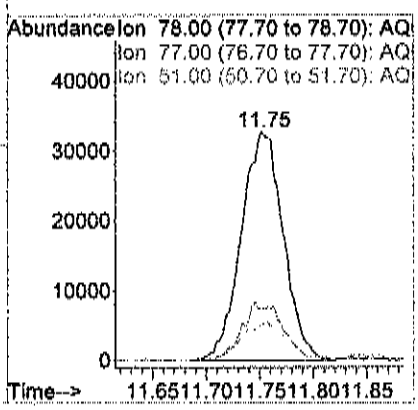


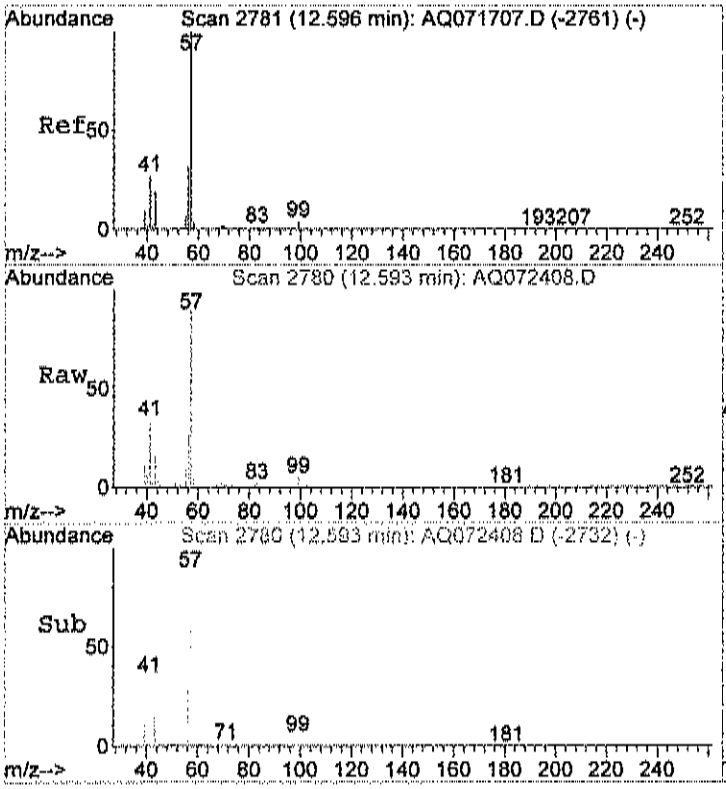


#39
Benzene
Concen: 0.65 ppb
RT: 11.75 min Scan# 2499
Delta R.T. -0.01 min
Lab File: AQ072408.D
Acq: 24 Jul 2019 6:55 pm

Tgt Ion: 78 Resp: 89224

Ion	Ratio	Lower	Upper
78	100		
77	24.9	4.4	44.4
51	18.7	0.0	37.2

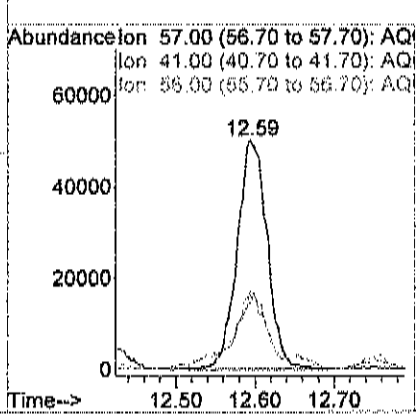


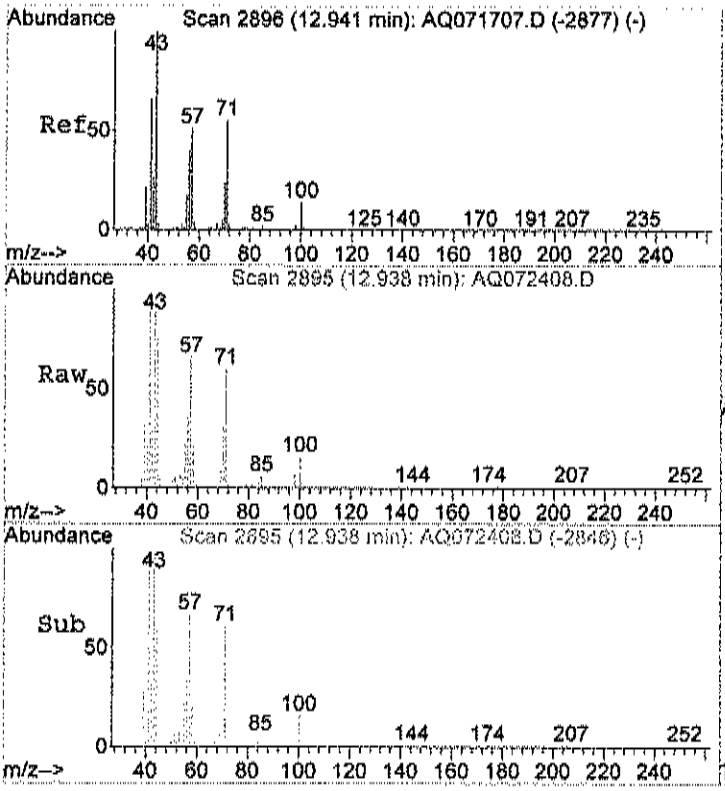


#42
2,2,4-trimethylpentane
Concen: 0.70 ppb
RT: 12.59 min Scan# 2780
Delta R.T. -0.01 min
Lab File: AQ072408.D
Acq: 24 Jul 2019 6:55 pm

Tgt Ion: 57 Resp: 132748

Ion	Ratio	Lower	Upper
57	100		
41	40.8	5.2	45.2
56	43.1	10.8	50.8

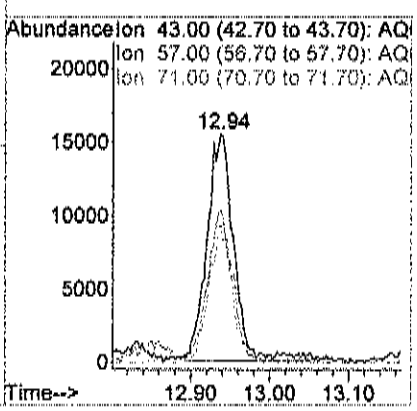


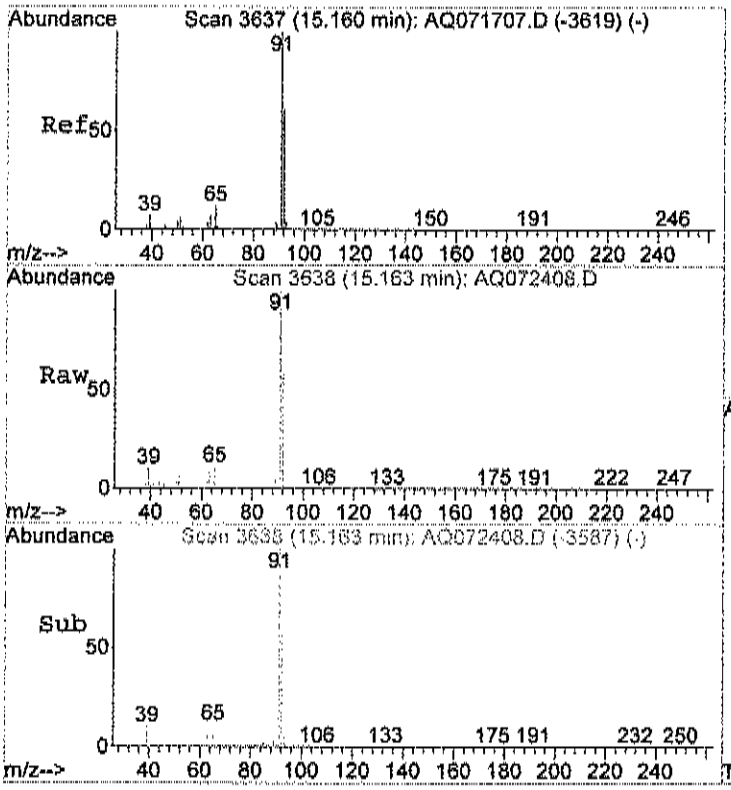


#43
Heptane
Concen: 0.54 ppb
RT: 12.94 min Scan# 2895
Delta R.T. -0.00 min
Lab File: AQ072408.D
Acq: 24 Jul 2019 6:55 pm

Tgt Ion: 43 Resp: 36870

Ion	Ratio	Lower	Upper
43	100		
57	62.0	34.1	74.1
71	52.6	39.6	79.6

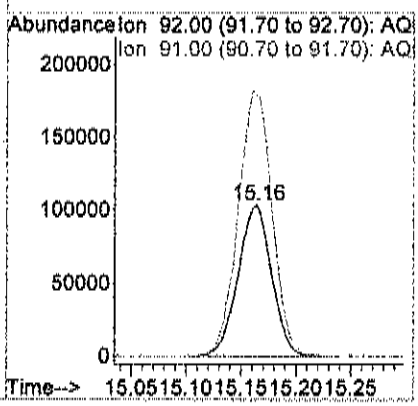


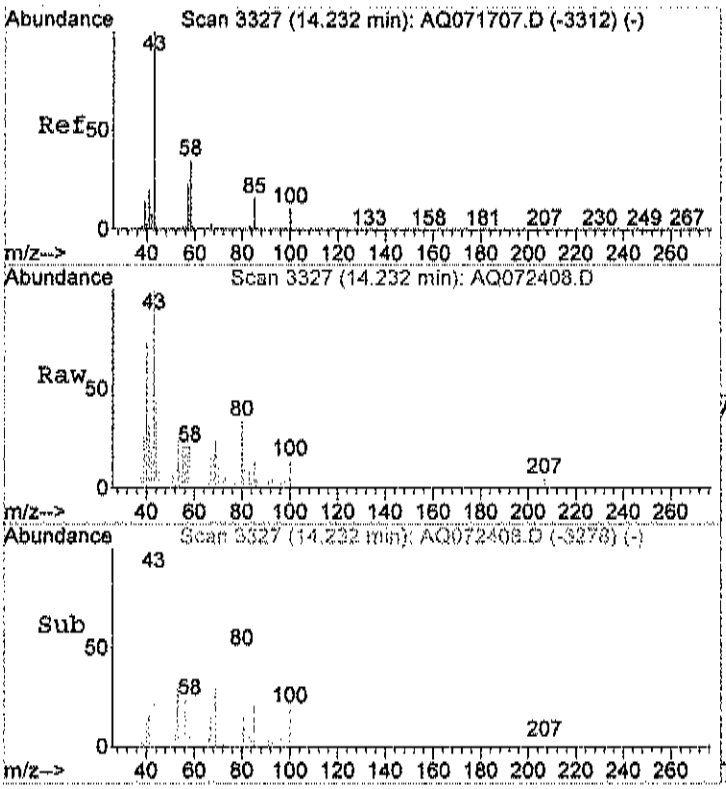


#51
Toluene
Concen: 2.17 ppb
RT: 15.16 min Scan# 3638
Delta R.T. 0.00 min
Lab File: AQ072408.D
Acq: 24 Jul 2019 6:55 pm

Tgt Ion: 92 Resp: 218387

Ion	Ratio	Lower	Upper
92	100		
91	178.7	153.2	193.2

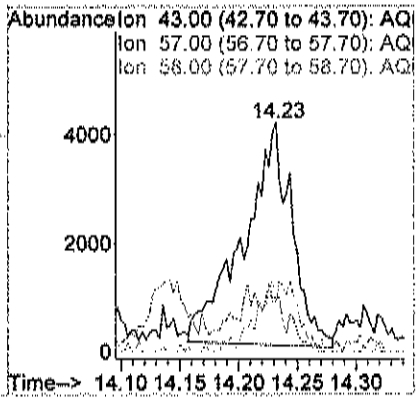


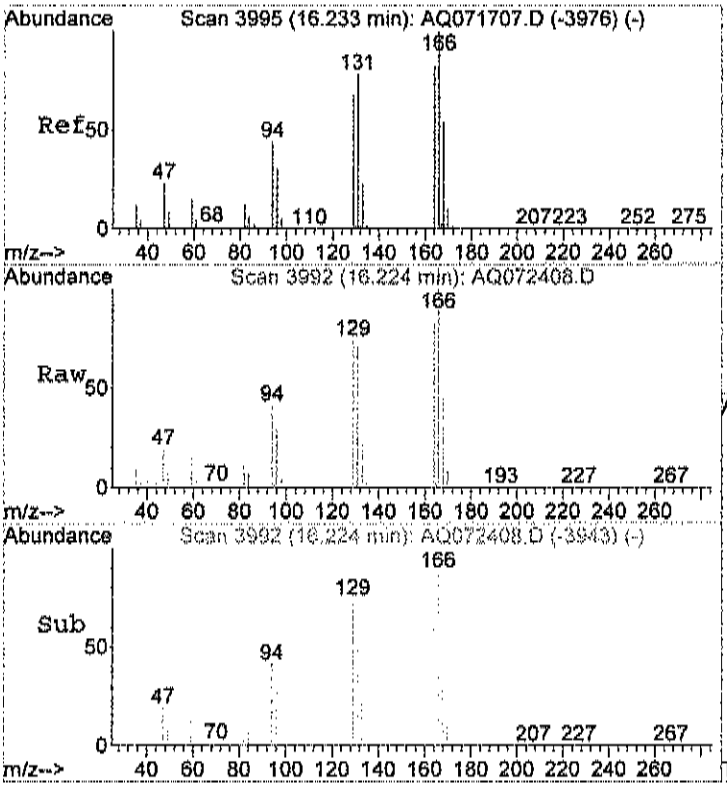


#52
Methyl Isobutyl Ketone
Concen: 0.10 ppb
RT: 14.23 min Scan# 3327
Delta R.T. -0.00 min
Lab File: AQ072408.D
Acq: 24 Jul 2019 6:55 pm

Tgt Ion: 43 Resp: 11659

Ion	Ratio	Lower	Upper
43	100		
57	0.0	2.0	42.0#
58	25.6	15.1	55.1

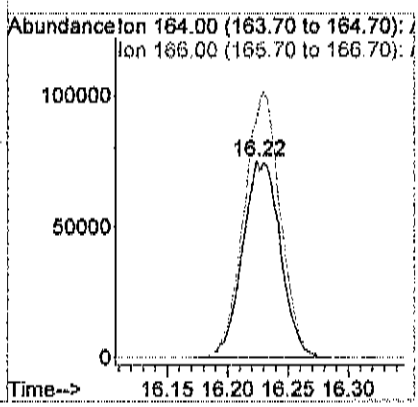


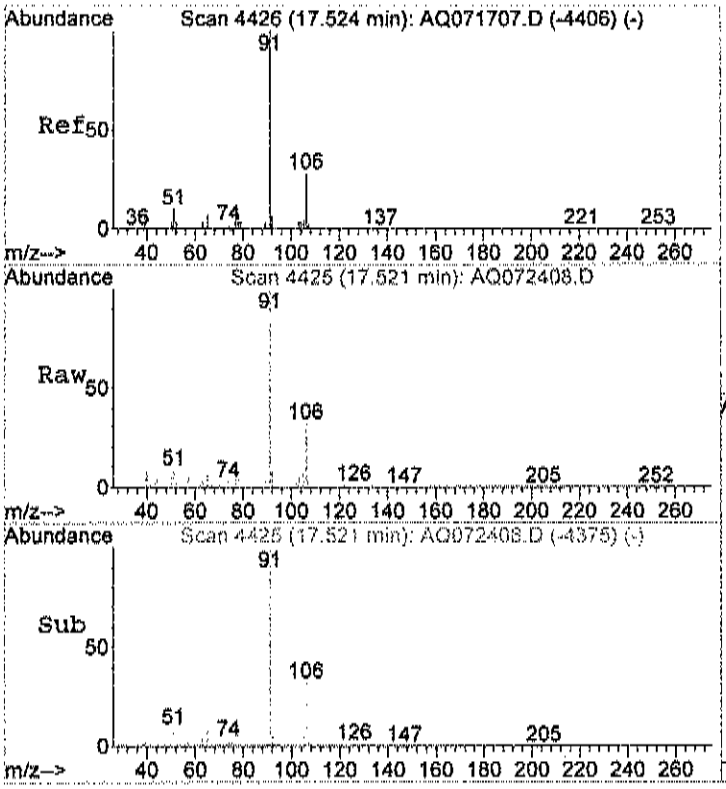


#56
Tetrachloroethylene
Concen: 1.99 ppb
RT: 16.22 min Scan# 3992
Delta R.T. -0.00 min
Lab File: AQ072408.D
Acq: 24 Jul 2019 6:55 pm

Tgt Ion:164 Resp: 162609

Ion	Ratio	Lower	Upper
164	100		
166	129.9	108.8	148.8

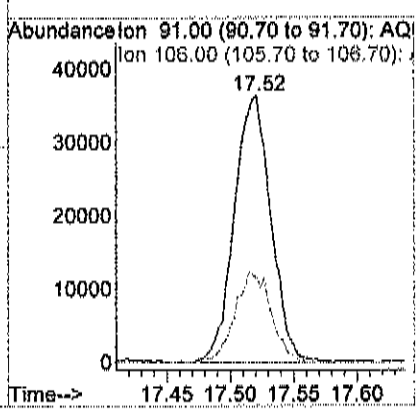


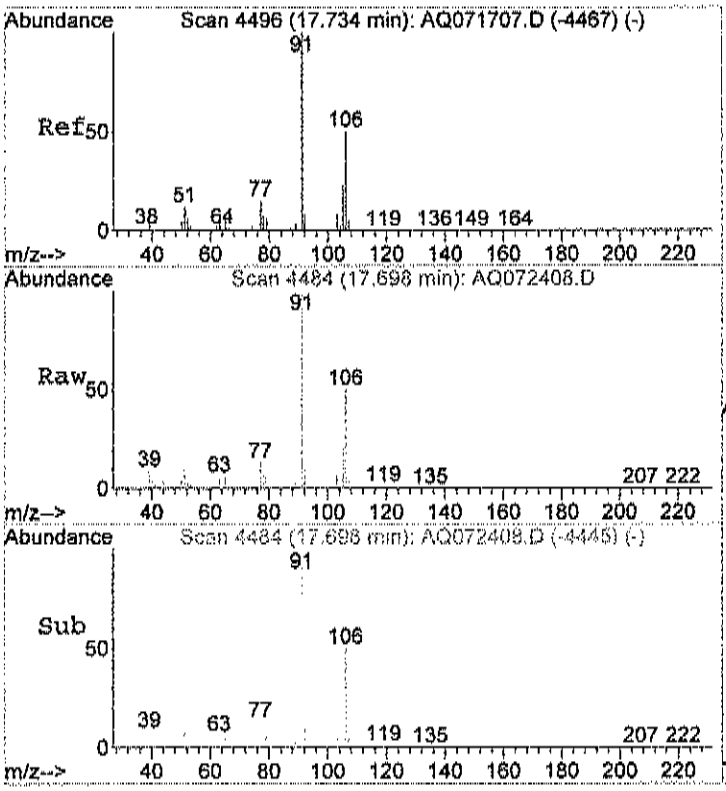


#58
Ethylbenzene
Concen: 0.38 ppb
RT: 17.52 min Scan# 4425
Delta R.T. -0.00 min
Lab File: AQ072408.D
Acq: 24 Jul 2019 6:55 pm

Tgt Ion: 91 Resp: 73154

Ion	Ratio	Lower	Upper
91	100		
106	33.2	11.9	51.9

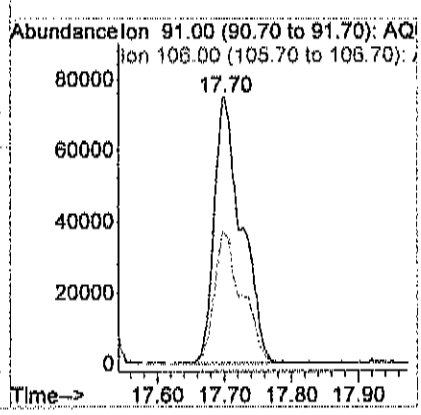


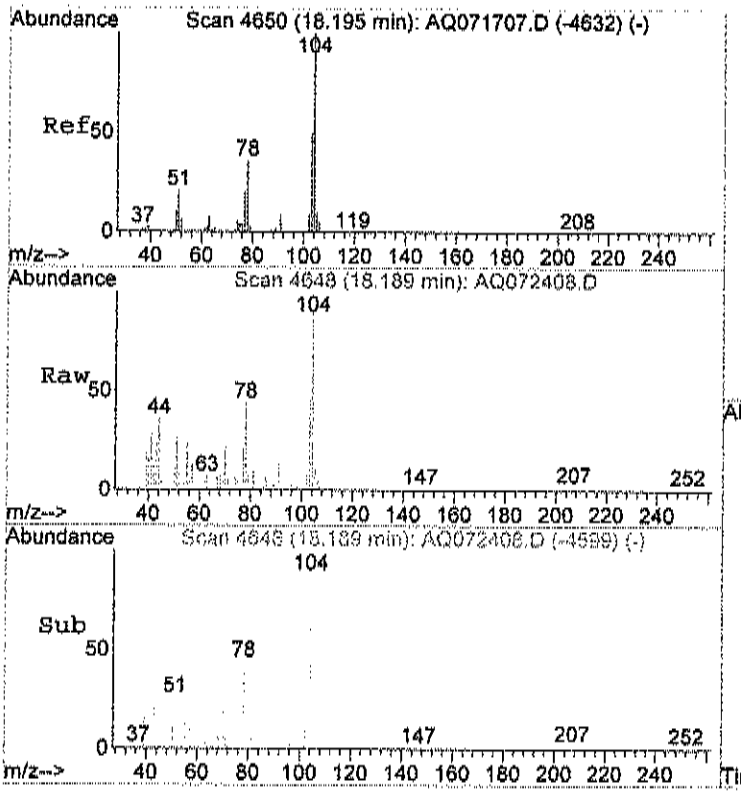


#59
m&p-xylene
Concen: 1.41 ppb
RT: 17.70 min Scan# 4484
Delta R.T. -0.03 min
Lab File: AQ072408.D
Acq: 24 Jul 2019 6:55 pm

Tgt Ion: 91 Resp: 213752

Ion	Ratio	Lower	Upper
91	100		
106	49.5	29.3	69.3

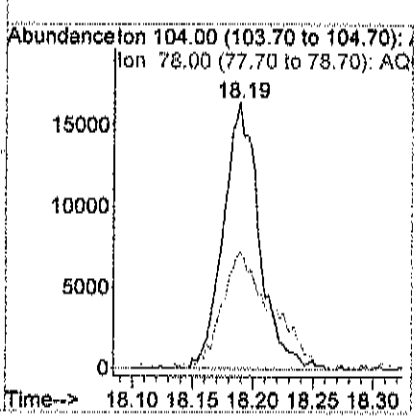


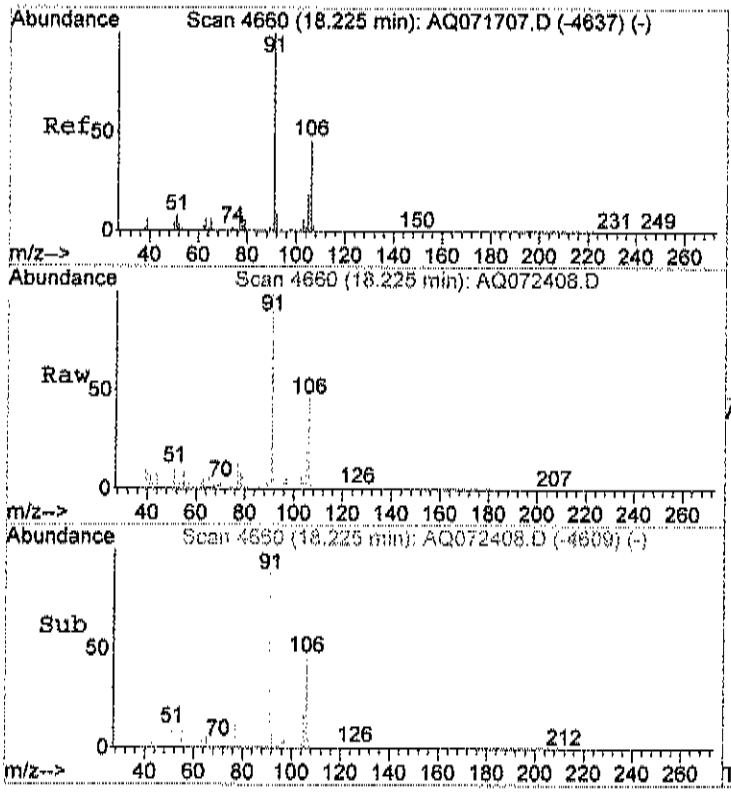


#61
Styrene
Concen: 0.28 ppb
RT: 18.19 min Scan# 4648
Delta R.T. -0.00 min
Lab File: AQ072408.D
Acq: 24 Jul 2019 6:55 pm

Tgt Ion:104 Resp: 34192

Ion	Ratio	Lower	Upper
104	100		
78	59.4	31.3	71.3

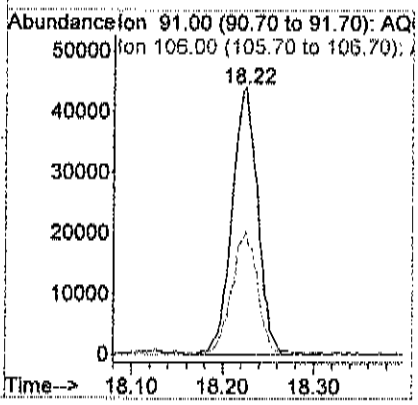


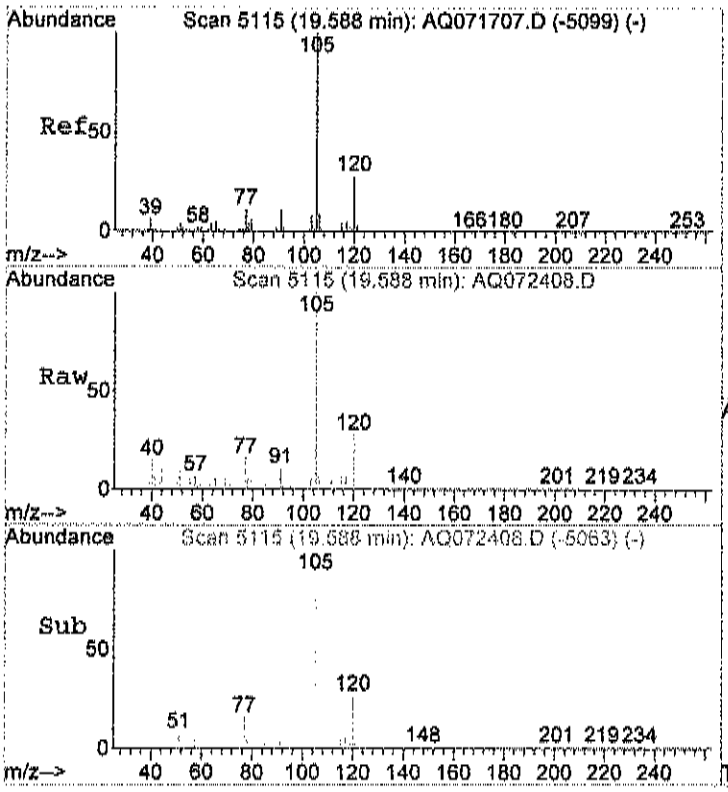


#63
o-xylene
Concen: 0.51 ppb
RT: 18.22 min Scan# 4660
Delta R.T. 0.00 min
Lab File: AQ072408.D
Acq: 24 Jul 2019 6:55 pm

Tgt Ion: 91 Resp: 87040

Ion	Ratio	Lower	Upper
91	100		
106	45.9	26.9	66.9

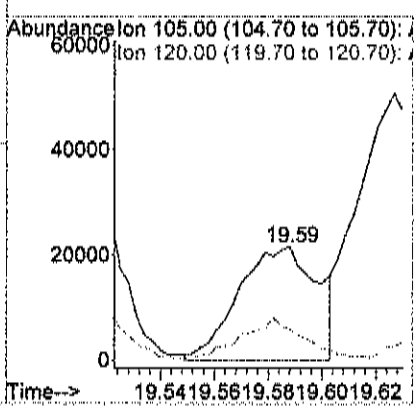


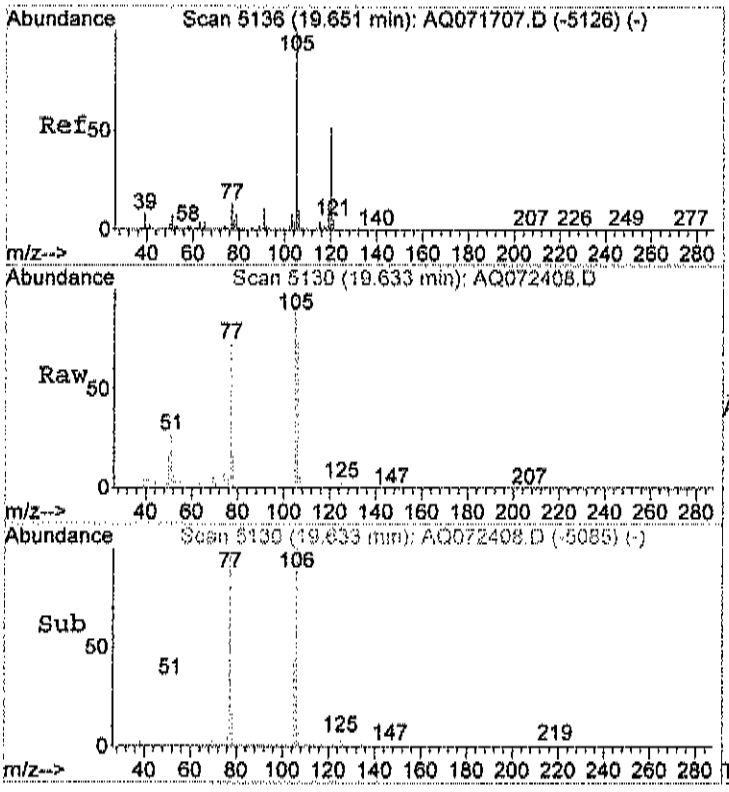


#69
4-ethyltoluene
Concen: 0.21 ppb m
RT: 19.59 min Scan# 5115
Delta R.T. 0.01 min
Lab File: AQ072408.D
Acq: 24 Jul 2019 6:55 pm

Tgt Ion:105 Resp: 43688

Ion	Ratio	Lower	Upper
105	100		
120	47.0	10.3	50.3

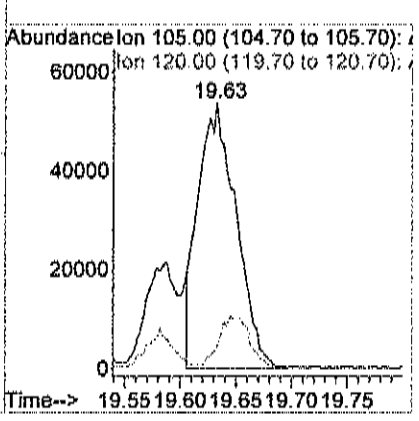


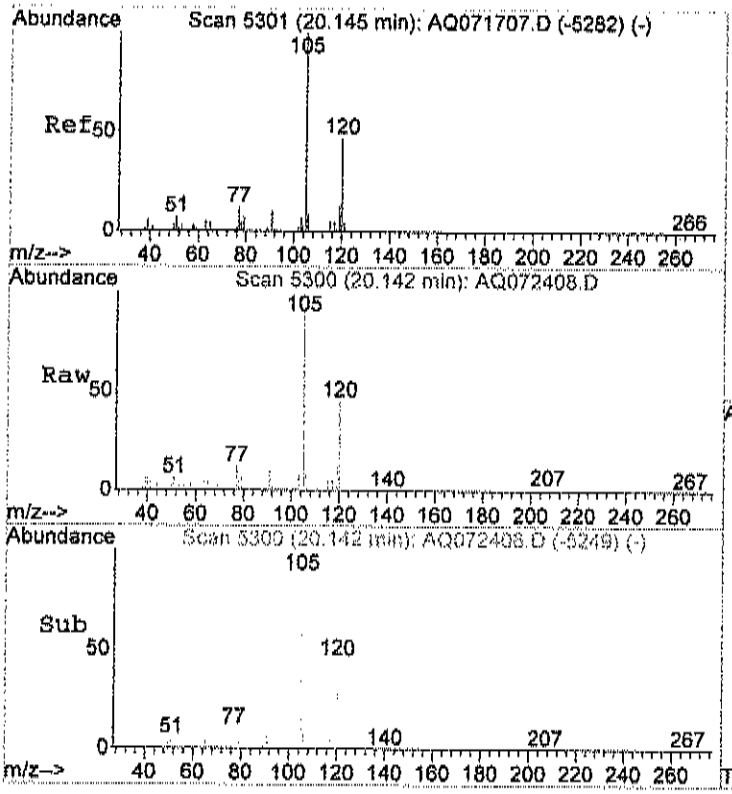


#70
1,3,5-trimethylbenzene
Concen: 0.71 ppb m
RT: 19.63 min Scan# 5130
Delta R.T. -0.02 min
Lab File: AQ072408.D
Acq: 24 Jul 2019 6:55 pm

Tgt Ion:105 Resp: 128516

Ion	Ratio	Lower	Upper
105	100		
120	16.0	27.8	67.8#

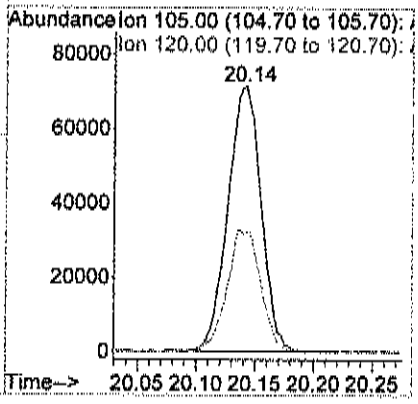


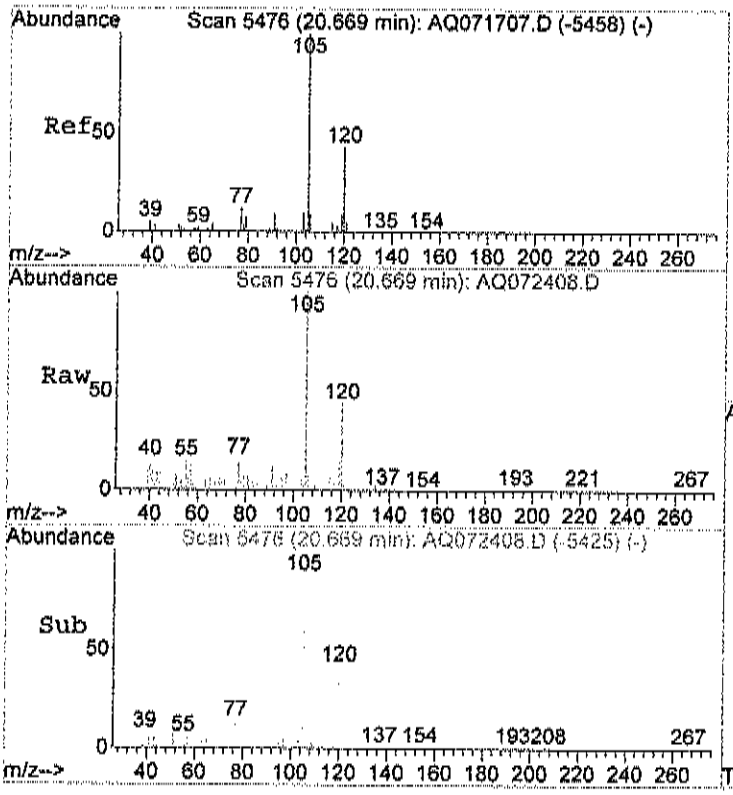


#71
1,2,4-trimethylbenzene
Concen: 0.90 ppb
RT: 20.14 min Scan# 5300
Delta R.T. 0.00 min
Lab File: AQ072408.D
Acq: 24 Jul 2019 6:55 pm

Tgt Ion:105 Resp: 140467

Ion	Ratio	Lower	Upper
105	100		
120	46.5	25.0	65.0

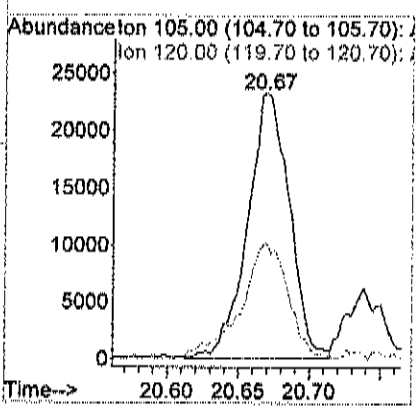




#75
1,2,3-trimethylbenzene
Concen: 0.27 ppb
RT: 20.67 min Scan# 5476
Delta R.T. 0.00 min
Lab File: AQ072408.D
Acq: 24 Jul 2019 6:55 pm

Tgt Ion:105 Resp: 47733

Ion	Ratio	Lower	Upper
105	100		
120	50.2	32.0	53.4



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AQ072425.D Vial: 22
Acq On : 25 Jul 2019 7:43 am Operator: RJP
Sample : C1907049-003A 10X Inst : MSD #1
Misc : A717_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 25 11:40:54 2019 Quant Results File: A717_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A717_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed Jul 17 21:42:36 2019
Response via : Initial Calibration
DataAcq Meth : 1UG_ENT

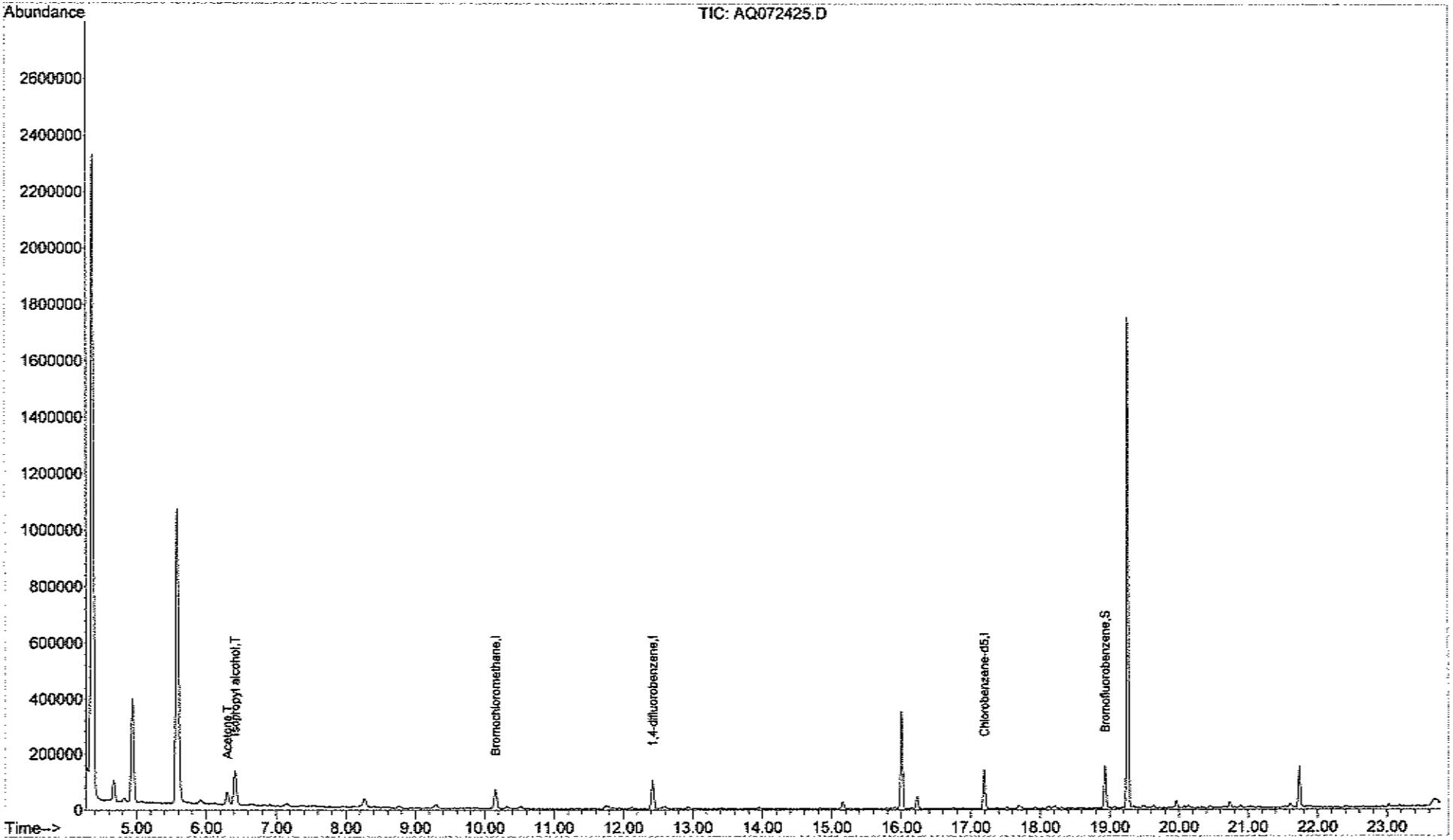
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	10.15	128	30780	1.00	ppb	0.00
35) 1,4-difluorobenzene	12.42	114	111280	1.00	ppb	0.00
50) Chlorobenzene-d5	17.19	117	98105	1.00	ppb	0.00
System Monitoring Compounds						
65) Bromofluorobenzene	18.93	95	53571	0.92	ppb	0.00
Spiked Amount 1.000	Range 70 - 130		Recovery = 92.00%			
Target Compounds						Qvalue
15) Acetone	6.30	58	26005m	1.05	ppb	
17) Isopropyl alcohol	6.41	45	188475	2.12	ppb	# 15

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

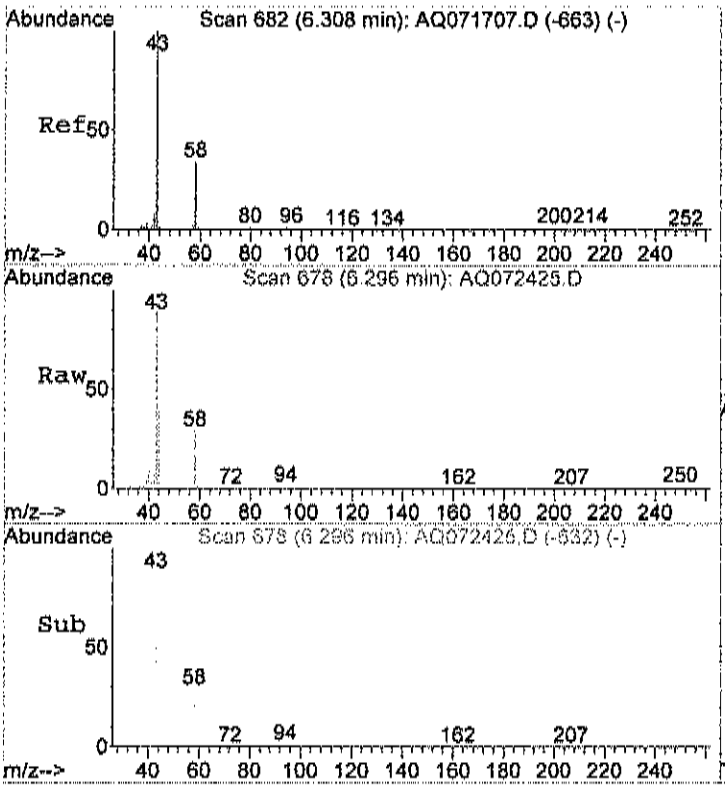
Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AQ072425.D Vial: 22
Acq On : 25 Jul 2019 7:43 am Operator: RJP
Sample : C1907049-003A 10X Inst : MSD #1
Misc : A717_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 26 10:31 2019 Quant Results File: A717_1UG.RES

Method : C:\HPCHEM\1\METHODS\A717_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed Jul 17 21:42:36 2019
Response via : Initial Calibration



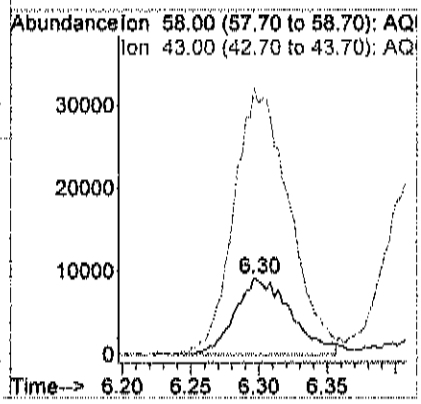
Centek Laboratories, LLC

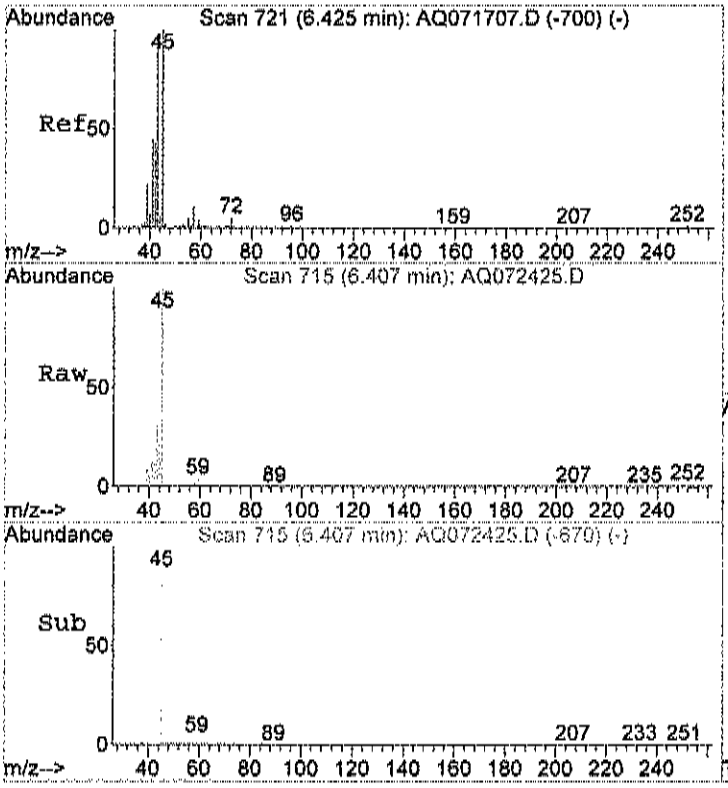


#15
Acetone
Concen: 1.05 ppb m
RT: 6.30 min Scan# 678
Delta R.T. -0.01 min
Lab File: AQ072425.D
Acq: 25 Jul 2019 7:43 am

Tgt Ion: 58 Resp: 26005

Ion	Ratio	Lower	Upper
58	100		
43	358.3	227.7	287.7#

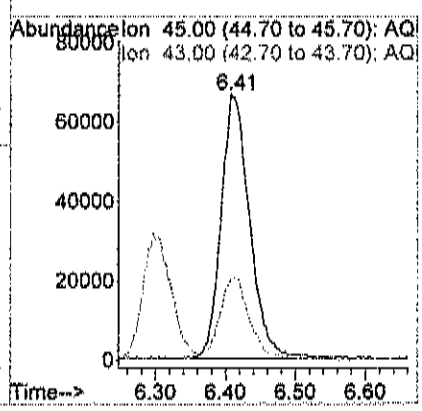




#17
Isopropyl alcohol
Concen: 2.12 ppb
RT: 6.41 min Scan# 715
Delta R.T. -0.02 min
Lab File: AQ072425.D
Acq: 25 Jul 2019 7:43 am

Tgt Ion: 45 Resp: 188475

Ion	Ratio	Lower	Upper
45	100		
43	32.5	113.1	153.1#



GC/MS VOLATILES-WHOLE AIR

METHOD TO-15

STANDARDS DATA

GC/MS VOLATILES-WHOLE AIR

METHOD TO-15

INITIAL CALIBRATION

Response Factor Report MSD #1

Method : C:\HPCHEM\1\METHODS\A717_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed Jul 17 21:42:36 2019
Response via : Initial Calibration

Calibration Files
2.0 =AQ071704.D 1.50 =AQ071705.D 1.25 =AQ071706.D
1.0 =AQ071707.D 0.75 =AQ071708.D 0.50 =AQ071709.D

		Compound	2.0	1.50	1.25	1.0	0.75	0.50	Avg	%RSD
1)	I	Bromochloromethane	----------ISTD----------							
2)	T	Propylene	0.901	0.893	0.899	0.858	0.872	1.037	0.916	6.08
3)	T	Freon 12	3.905	3.984	3.922	3.908	3.968	4.115	4.032	3.75
4)	T	Chloromethane	0.947	0.959	0.946	0.976	1.003	1.073	1.024	8.31
5)	T	Freon 114	3.279	3.347	3.267	3.316	3.291	3.444	3.396	4.72
6)	T	Vinyl Chloride	0.943	0.937	0.958	0.936	0.969	1.013	1.015	11.18
7)	T	Butane	1.098	1.162	1.150	1.154	1.090	1.253	1.212	10.46
8)	T	1,3-butadiene	0.762	0.732	0.800	0.758	0.844	0.870	0.817	8.10
9)	T	Bromomethane	1.277	1.337	1.308	1.289	1.288	1.412	1.351	6.82
10)	T	Chloroethane	0.432	0.442	0.430	0.441	0.444	0.508	0.448	7.05
11)	T	Ethanol		0.681	0.609	0.665	0.791	0.826	0.753	16.66
12)	T	Acrolein	0.439	0.458	0.452	0.446	0.466	0.471	0.469	5.69
13)	T	Vinyl Bromide	1.454	1.490	1.434	1.486	1.447	1.522	1.529	7.67
14)	T	Freon 11	3.720	3.931	3.789	3.942	3.769	4.026	4.050	8.96
15)	T	Acetone	0.718	0.771	0.745	0.758	0.750	0.854	0.804	13.28
16)	T	Pentane	1.432	1.444	1.391	1.440	1.452	1.517	1.501	7.73
17)	T	Isopropyl alcoh	2.247	2.417	2.399	2.596	2.698	3.077	2.894	23.05
18)	T	1,1-dichloroeth	1.333	1.374	1.329	1.327	1.343	1.362	1.391	4.72
19)	T	Freon 113	3.083	3.150	3.118	3.091	3.096	3.299	3.194	4.72
20)	t	t-Butyl alcohol	2.211	2.327	2.221	2.283	2.242	2.313	2.277	3.23
21)	T	Methylene chlor	1.260	1.290	1.259	1.292	1.276	1.357	1.325	6.24
22)	T	Allyl chloride	1.519	1.587	1.534	1.507	1.505	1.588	1.538	2.23
23)	T	Carbon disulfid	4.026	4.119	4.064	4.006	3.993	4.121	4.108	3.28
24)	T	trans-1,2-dichl	1.902	1.979	1.886	1.885	1.880	1.957	1.934	3.00
25)	T	methyl tert-but	3.003	3.132	2.958	2.931	2.911	2.967	2.945	3.34
26)	T	1,1-dichloroeth	2.396	2.461	2.393	2.411	2.435	2.529	2.475	3.60
27)	T	Vinyl acetate	2.829	2.875	2.789	2.713	2.716	2.710	2.753	3.74
28)	T	Methyl Ethyl Ke	0.640	0.658	0.637	0.630	0.673	0.690	0.667	6.11
29)	T	cis-1,2-dichlor	1.750	1.778	1.743	1.721	1.722	1.822	1.869	11.36
30)	T	Hexane	2.005	2.031	1.944	1.916	1.928	1.963	1.951	3.53
31)	T	Ethyl acetate	3.228	3.354	3.375	3.441	3.634	3.865	3.755	16.06
32)	T	Chloroform	2.969	3.068	3.002	3.024	2.992	3.093	3.070	3.87
33)	T	Tetrahydrofuran	1.203	1.252	1.186	1.218	1.163	1.121	1.196	4.79
34)	T	1,2-dichloroeth	1.772	1.836	1.772	1.813	1.811	1.894	1.829	2.64
35)	I	1,4-difluorobenzene	----------ISTD----------							
36)	T	1,1,1-trichloro	0.668	0.660	0.661	0.651	0.682	0.684	0.671	1.98
37)	T	Cyclohexane	0.433	0.407	0.418	0.395	0.402	0.399	0.413	4.25
38)	T	Carbon tetrachl	0.737	0.729	0.722	0.715	0.727	0.732	0.821	22.31
39)	T	Benzene	0.940	0.928	0.950	0.915	0.945	0.949	0.950	2.90
40)	T	Methyl methacry	0.405	0.405	0.404	0.378	0.383	0.392	0.393	3.50
41)	T	1,4-dioxane	0.192	0.186	0.187	0.190	0.191	0.186	0.188	4.62
42)	T	2,2,4-trimethyl	1.369	1.348	1.341	1.292	1.313	1.301	1.320	3.01
43)	T	Heptane	0.497	0.490	0.485	0.473	0.474	0.465	0.477	2.78
44)	T	Trichloroethene	0.453	0.469	0.450	0.449	0.467	0.453	0.504	17.88
45)	T	1,2-dichloropro	0.367	0.362	0.360	0.364	0.370	0.373	0.371	3.22
46)	T	Bromodichlorome	0.748	0.742	0.739	0.736	0.749	0.746	0.748	1.46
47)	T	cis-1,3-dichlor	0.561	0.554	0.535	0.542	0.550	0.539	0.530	6.10
48)	T	trans-1,3-dichl	0.458	0.451	0.430	0.423	0.431	0.426	0.416	9.56
49)	T	1,1,2-trichloro	0.438	0.435	0.434	0.426	0.448	0.447	0.436	2.72
50)	I	Chlorobenzene-d5	----------ISTD----------							
51)	T	Toluene	0.727	0.744	0.732	0.748	0.810	0.747	0.744	4.00

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

Response Factor Report MSD #1

Method : C:\HPCHEM\1\METHODS\A717_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed Jul 17 21:42:36 2019
Response via : Initial Calibration

Calibration Files
2.0 =AQ071704.D 1.50 =AQ071705.D 1.25 =AQ071706.D
1.0 =AQ071707.D 0.75 =AQ071708.D 0.50 =AQ071709.D

		Compound	2.0	1.50	1.25	1.0	0.75	0.50	Avg	%RSD
52)	T	Methyl Isobutyl	0.789	0.799	0.791	0.802	0.882	0.788	0.833	6.78
53)	T	Dibromochlorome	0.925	0.933	0.895	0.936	1.019	0.931	0.954	4.61
54)	T	Methyl Butyl Ke	0.726	0.728	0.697	0.715	0.784	0.674	0.699	7.36
55)	T	1,2-dibromoetha	0.783	0.795	0.769	0.793	0.884	0.803	0.815	4.83
56)	T	Tetrachloroethy	0.558	0.565	0.552	0.564	0.623	0.563	0.604	11.30
57)	T	Chlorobenzene	1.052	1.062	1.050	1.050	1.066	1.042	1.063	1.87
58)	T	Ethylbenzene	1.593	1.493	1.549	1.417	1.420	1.403	1.432	7.64
59)	T	m&p-xylene	1.243	1.166	1.219	1.113	1.193	1.014	1.117	9.46
60)	T	Nonane	0.835	0.797	0.820	0.739	0.784	0.658	0.742	10.64
61)	T	Styrene	0.985	0.938	0.954	0.907	0.966	0.812	0.892	10.09
62)	T	Bromoform	0.871	0.823	0.859	0.825	0.873	0.799	0.852	3.78
63)	T	o-xylene	1.318	1.282	1.296	1.289	1.376	1.175	1.258	6.98
64)	T	Cumene	1.787	1.591	1.719	1.503	1.563	1.290	1.519	11.96
65)	S	Bromofluorobenz	0.636	0.594	0.632	0.604	0.655	0.559	0.593	7.13
66)	T	1,1,2,2-tetrach	1.135	1.098	1.143	1.102	1.215	1.089	1.161	6.07
67)	T	Propylbenzene	0.509	0.458	0.487	0.422	0.454	0.370	0.430	13.18
68)	T	2-Chlorotoluene	0.497	0.478	0.493	0.473	0.486	0.437	0.466	6.24
69)	T	4-ethyltoluene	1.752	1.653	1.652	1.553	1.655	1.329	1.526	12.06
70)	T	1,3,5-trimethyl	1.484	1.422	1.434	1.372	1.441	1.220	1.344	9.30
71)	T	1,2,4-trimethyl	1.441	1.281	1.232	1.170	1.211	0.968	1.148	15.90
72)	T	1,3-dichloroben	1.093	1.037	1.000	1.020	1.091	0.917	1.020	5.93
73)	T	benzyl chloride	0.927	0.839	0.789	0.754	0.811	0.603	0.770	13.01
74)	T	1,4-dichloroben	1.079	1.042	0.989	0.994	1.053	0.898	0.983	7.58
75)	T	1,2,3-trimethyl	1.513	1.441	1.370	1.354	1.404	1.148	1.298	13.45
76)	T	1,2-dichloroben	1.060	1.044	0.985	1.008	1.081	0.896	1.007	5.82
77)	T	1,2,4-trichloro	0.750	0.749	0.531	0.652	0.651	0.446	0.579	24.02
78)	T	Naphthalene	1.709	1.703	1.439	1.523	1.479	1.084	1.296	23.58
79)	T	Hexachloro-1,3-	0.906	0.914	0.890	0.911	0.984	0.862	0.928	5.28

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AQ071704.D Vial: 10
Acq On : 17 Jul 2019 11:28 am Operator: RJP
Sample : A1UG_2.0 Inst : MSD #1
Misc : A717_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 17 15:14:47 2019 Quant Results File: A717_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A717_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed Jul 17 15:13:08 2019
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AQ071707.D
DataAcq Meth : 1UG_ENT

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	10.16	128	45195	1.00	ppb		0.00
35) 1,4-difluorobenzene	12.43	114	193738	1.00	ppb		0.00
50) Chlorobenzene-d5	17.19	117	171504	1.00	ppb		0.00
System Monitoring Compounds							
65) Bromofluorobenzene	18.94	95	109114	1.05	ppb		0.00
Spiked Amount 1.000	Range 70 - 130		Recovery = 105.00%				
Target Compounds							Qvalue
2) Propylene	4.37	41	81474	2.10	ppb		95
3) Freon 12	4.43	85	352980	2.00	ppb		100
4) Chloromethane	4.64	50	85624	1.94	ppb		97
5) Freon 114	4.64	85	296403	1.98	ppb		93
6) Vinyl Chloride	4.84	62	85282	2.02	ppb		99
7) Butane	4.95	43	99269	1.90	ppb		99
8) 1,3-butadiene	4.95	39	68887	2.01	ppb		94
9) Bromomethane	5.32	94	115401	1.98	ppb		99
10) Chloroethane	5.49	64	39034	1.96	ppb		94
11) Ethanol	5.60	45	53635m	1.79	ppb		
12) Acrolein	6.19	56	39655	1.97	ppb		88
13) Vinyl Bromide	5.85	106	131389	1.96	ppb		98
14) Freon 11	6.13	101	336215	1.89	ppb		99
15) Acetone	6.31	58	64890	1.89	ppb	#	1
16) Pentane	6.41	42	129419	1.99	ppb		82
17) Isopropyl alcohol	6.42	45	203121	1.73	ppb	#	81
18) 1,1-dichloroethene	6.91	96	120533	2.01	ppb		95
19) Freon 113	7.11	101	278667	1.99	ppb		98
20) t-Butyl alcohol	7.15	59	199834	1.94	ppb	#	85
21) Methylene chloride	7.38	84	113870	1.95	ppb		95
22) Allyl chloride	7.37	41	137291	2.02	ppb		95
23) Carbon disulfide	7.55	76	363940	2.01	ppb		98
24) trans-1,2-dichloroethene	8.33	61	171932	2.02	ppb		95
25) methyl tert-butyl ether	8.36	73	271438	2.05	ppb		84
26) 1,1-dichloroethane	8.76	63	216545	1.99	ppb		100
27) Vinyl acetate	8.75	43	255734	2.09	ppb		96
28) Methyl Ethyl Ketone	9.26	72	57810	2.03	ppb	#	86
29) cis-1,2-dichloroethene	9.71	61	158194	2.03	ppb		98
30) Hexane	9.31	57	181272	2.09	ppb		96
31) Ethyl acetate	9.86	43	291770	1.88	ppb		99
32) Chloroform	10.32	83	268329	1.96	ppb		98
33) Tetrahydrofuran	10.51	42	108773	1.98	ppb		94
34) 1,2-dichloroethane	11.43	62	160151	1.95	ppb		100
36) 1,1,1-trichloroethane	11.15	97	258888	2.05	ppb		100
37) Cyclohexane	11.85	56	167682	2.19	ppb		96
38) Carbon tetrachloride	11.79	117	285377	2.06	ppb		99
39) Benzene	11.76	78	364269	2.05	ppb		98
40) Methyl methacrylate	13.30	41	156887	2.14	ppb		95
41) 1,4-dioxane	13.32	88	74518	2.02	ppb		96
42) 2,2,4-trimethylpentane	12.60	57	530391	2.12	ppb		96
43) Heptane	12.94	43	192638	2.10	ppb		98
44) Trichloroethene	13.07	130	175573	2.02	ppb		97
45) 1,2-dichloropropane	13.18	63	142266	2.02	ppb		98

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AQ071704.D Vial: 10
Acq On : 17 Jul 2019 11:28 am Operator: RJP
Sample : A1UG_2.0 Inst : MSD #1
Misc : A717_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 17 15:14:47 2019 Quant Results File: A717_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A717_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed Jul 17 15:13:08 2019
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AQ071707.D
DataAcq Meth : 1UG_ENT

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46)	Bromodichloromethane	13.50	83	289787	2.03	ppb		100
47)	cis-1,3-dichloropropene	14.31	75	217221	2.07	ppb		99
48)	trans-1,3-dichloropropene	15.08	75	177405	2.16	ppb		94
49)	1,1,2-trichloroethane	15.41	97	169782	2.06	ppb		100
51)	Toluene	15.16	92	249316	1.94	ppb		95
52)	Methyl Isobutyl Ketone	14.23	43	270567	1.96	ppb		97
53)	Dibromochloromethane	16.14	129	317283	1.98	ppb		99
54)	Methyl Butyl Ketone	15.59	43	248906	2.03	ppb		89
55)	1,2-dibromoethane	16.40	107	268634	1.98	ppb		99
56)	Tetrachloroethylene	16.23	164	191562	1.98	ppb		99
57)	Chlorobenzene	17.25	112	360968	2.01	ppb		97
58)	Ethylbenzene	17.52	91	546519	2.25	ppb		100
59)	m&p-xylene	17.73	91	852875	4.47	ppb		99
60)	Nonane	18.12	43	286521	2.26	ppb		96
61)	Styrene	18.19	104	337820	2.17	ppb		96
62)	Bromoform	18.31	173	298695	2.11	ppb		96
63)	o-xylene	18.22	91	452189	2.05	ppb		98
64)	Cumene	18.82	105	612792	2.38	ppb		99
66)	1,1,2,2-tetrachloroethane	18.69	83	389290	2.06	ppb		99
67)	Propylbenzene	19.40	120	174762	2.42	ppb		95
68)	2-Chlorotoluene	19.45	126	170515	2.10	ppb	#	77
69)	4-ethyltoluene	19.58	105	600859	2.26	ppb		100
70)	1,3,5-trimethylbenzene	19.65	105	509027	2.16	ppb		99
71)	1,2,4-trimethylbenzene	20.14	105	494217	2.46	ppb		98
72)	1,3-dichlorobenzene	20.47	146	374940	2.14	ppb		99
73)	benzyl chloride	20.55	91	318085	2.46	ppb		98
74)	1,4-dichlorobenzene	20.62	146	370161	2.17	ppb		98
75)	1,2,3-trimethylbenzene	20.67	105	518922	2.24	ppb		99
76)	1,2-dichlorobenzene	20.98	146	363484	2.10	ppb		98
77)	1,2,4-trichlorobenzene	23.13	180	257206	2.30	ppb		99
78)	Naphthalene	23.34	128	586212	2.24	ppb		99
79)	Hexachloro-1,3-butadiene	23.46	225	310807	1.99	ppb		95

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

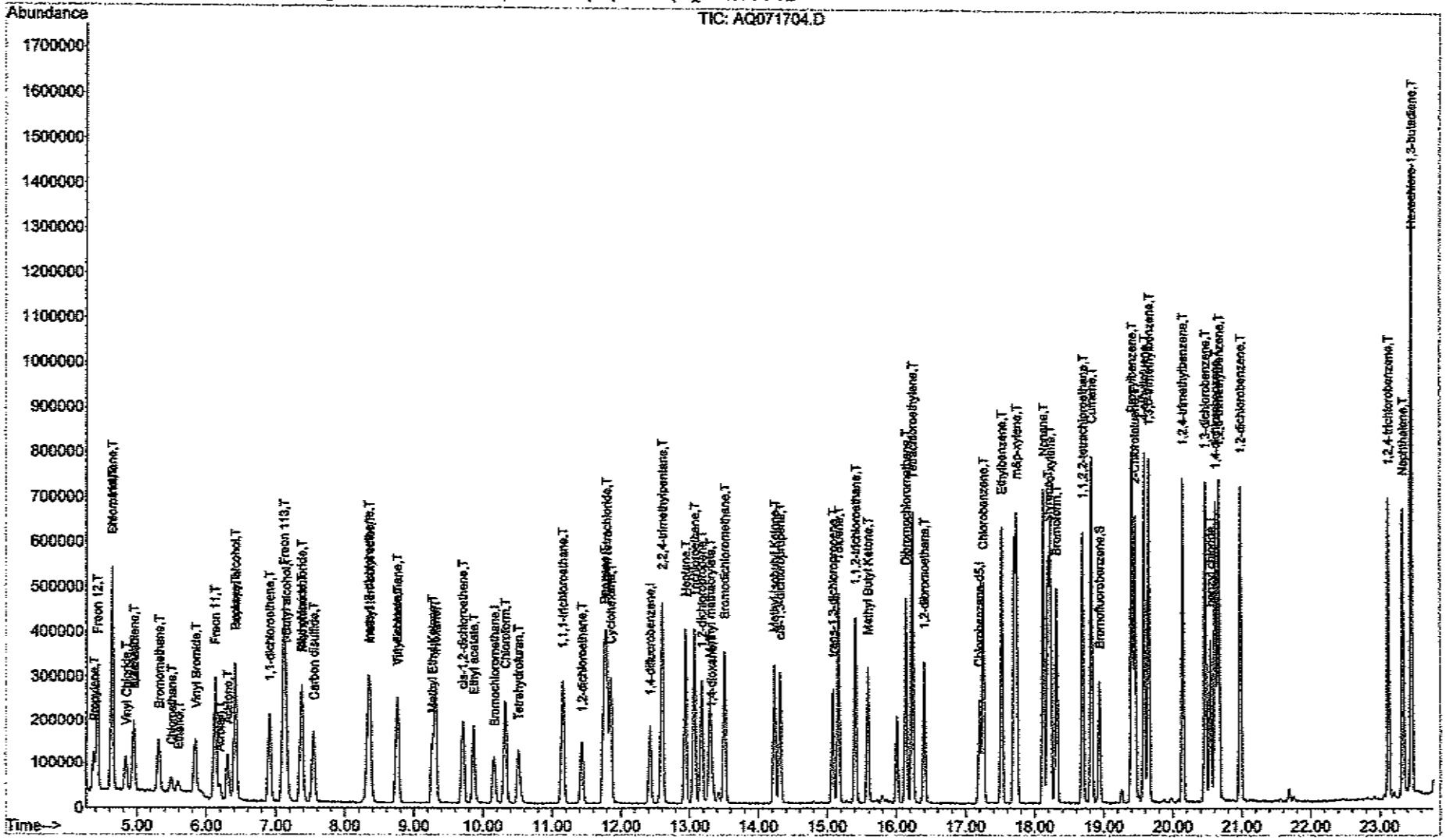
Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AQ071704.D
Acq On : 17 Jul 2019 11:28 am
Sample : A1UG_2.0
Misc : A717_1UG
MS Integration Params: RTEINT.P
Quant Time: Jul 17 16:24 2019

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

Quant Results File: A717_1UG.RES

Method : C:\HPCHEM\1\METHODS\A717_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed Jul 17 21:42:36 2019
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AQ071707.D



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Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AQ071705.D Vial: 11
Acq On : 17 Jul 2019 12:21 pm Operator: RJP
Sample : A1UG_1.50 Inst : MSD #1
Misc : A717_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 17 15:14:26 2019 Quant Results File: A717_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A717_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed Jul 17 15:13:08 2019
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AQ071707.D
DataAcq Meth : 1UG_ENT

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	10.16	128	43865	1.00	ppb		0.00
35) 1,4-difluorobenzene	12.43	114	194578	1.00	ppb		0.00
50) Chlorobenzene-d5	17.20	117	166891	1.00	ppb		0.00
System Monitoring Compounds							
65) Bromofluorobenzene	18.93	95	99129	0.98	ppb		0.00
Spiked Amount 1.000	Range 70 - 130		Recovery = 98.00%				
Target Compounds							Qvalue
2) Propylene	4.37	41	58740	1.56	ppb		95
3) Freon 12	4.43	85	262165	1.53	ppb		99
4) Chloromethane	4.63	50	63095	1.47	ppb		98
5) Freon 114	4.64	85	220203	1.51	ppb		92
6) Vinyl Chloride	4.84	62	61645	1.50	ppb		96
7) Butane	4.95	43	76467	1.51	ppb		100
8) 1,3-butadiene	4.95	39	48143	1.45	ppb		97
9) Bromomethane	5.31	94	87952	1.56	ppb		100
10) Chloroethane	5.49	64	29090	1.51	ppb		97
11) Ethanol	5.60	45	44817m	1.54	ppb		
12) Acrolein	6.19	56	30114	1.54	ppb		95
13) Vinyl Bromide	5.84	106	98065	1.50	ppb		99
14) Freon 11	6.13	101	258646	1.50	ppb		100
15) Acetone	6.31	58	50714	1.52	ppb		88
16) Pentane	6.41	42	95005	1.50	ppb		87
17) Isopropyl alcohol	6.42	45	159037	1.40	ppb	#	81
18) 1,1-dichloroethene	6.92	96	90388	1.55	ppb		96
19) Freon 113	7.11	101	207265	1.53	ppb		98
20) t-Butyl alcohol	7.16	59	153110	1.53	ppb	#	86
21) Methylene chloride	7.38	84	84883	1.50	ppb		94
22) Allyl chloride	7.37	41	104446	1.58	ppb		93
23) Carbon disulfide	7.54	76	271004	1.54	ppb		99
24) trans-1,2-dichloroethene	8.33	61	130245	1.58	ppb		96
25) methyl tert-butyl ether	8.36	73	206094	1.60	ppb		83
26) 1,1-dichloroethane	8.76	63	161898	1.53	ppb		99
27) Vinyl acetate	8.75	43	189136	1.59	ppb		97
28) Methyl Ethyl Ketone	9.27	72	43304	1.57	ppb	#	86
29) cis-1,2-dichloroethene	9.71	61	116994	1.55	ppb		99
30) Hexane	9.31	57	133618	1.59	ppb		96
31) Ethyl acetate	9.86	43	220716	1.46	ppb		99
32) Chloroform	10.32	83	201842	1.52	ppb		99
33) Tetrahydrofuran	10.52	42	82392	1.54	ppb		94
34) 1,2-dichloroethane	11.43	62	120781	1.52	ppb		100
36) 1,1,1-trichloroethane	11.15	97	192565	1.52	ppb		100
37) Cyclohexane	11.85	56	118892	1.55	ppb		96
38) Carbon tetrachloride	11.79	117	212825	1.53	ppb		99
39) Benzene	11.75	78	270767	1.52	ppb		98
40) Methyl methacrylate	13.29	41	118255	1.61	ppb		94
41) 1,4-dioxane	13.33	88	54205	1.46	ppb		93
42) 2,2,4-trimethylpentane	12.60	57	393452	1.57	ppb		96
43) Heptane	12.94	43	143061	1.55	ppb		97
44) Trichloroethene	13.07	130	136826	1.57	ppb		96
45) 1,2-dichloropropane	13.17	63	105705	1.49	ppb		99

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AQ071705.D Vial: 11
Acq On : 17 Jul 2019 12:21 pm Operator: RJP
Sample : A1UG_1.50 Inst : MSD #1
Misc : A717_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 17 15:14:26 2019 Quant Results File: A717_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A717_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed Jul 17 15:13:08 2019
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AQ071707.D
DataAcq Meth : 1UG_ENT

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46)	Bromodichloromethane	13.50	83	216495	1.51	ppb		100
47)	cis-1,3-dichloropropene	14.32	75	161815	1.53	ppb		99
48)	trans-1,3-dichloropropene	15.08	75	131699	1.60	ppb		94
49)	1,1,2-trichloroethane	15.40	97	126837	1.53	ppb		98
51)	Toluene	15.16	92	186237	1.49	ppb		97
52)	Methyl Isobutyl Ketone	14.23	43	199968	1.49	ppb		98
53)	Dibromochloromethane	16.14	129	233682	1.50	ppb		99
54)	Methyl Butyl Ketone	15.59	43	182153	1.53	ppb		91
55)	1,2-dibromoethane	16.40	107	199116	1.51	ppb		100
56)	Tetrachloroethylene	16.23	164	141325	1.50	ppb		99
57)	Chlorobenzene	17.25	112	265831	1.52	ppb		97
58)	Ethylbenzene	17.52	91	373632	1.58	ppb		100
59)	m&p-xylene	17.73	91	583866	3.14	ppb		98
60)	Nonane	18.12	43	199520	1.62	ppb		94
61)	Styrene	18.19	104	234830	1.55	ppb		97
62)	Bromoform	18.31	173	206068	1.50	ppb		97
63)	o-xylene	18.23	91	321017	1.49	ppb		97
64)	Cumene	18.82	105	398205	1.59	ppb		98
66)	1,1,2,2-tetrachloroethane	18.69	83	274755	1.49	ppb		99
67)	Propylbenzene	19.40	120	114555	1.63	ppb		87
68)	2-Chlorotoluene	19.45	126	119696	1.52	ppb	#	72
69)	4-ethyltoluene	19.58	105	413722	1.60	ppb		100
70)	1,3,5-trimethylbenzene	19.65	105	355855	1.55	ppb		97
71)	1,2,4-trimethylbenzene	20.14	105	320608	1.64	ppb		98
72)	1,3-dichlorobenzene	20.47	146	259716	1.52	ppb		98
73)	benzyl chloride	20.54	91	210108	1.67	ppb		99
74)	1,4-dichlorobenzene	20.62	146	260806	1.57	ppb		98
75)	1,2,3-trimethylbenzene	20.67	105	360612	1.60	ppb		98
76)	1,2-dichlorobenzene	20.98	146	261364	1.55	ppb		98
77)	1,2,4-trichlorobenzene	23.13	180	187482	1.72	ppb		99
78)	Naphthalene	23.34	128	426286	1.68	ppb		100
79)	Hexachloro-1,3-butadiene	23.46	225	228896	1.51	ppb		94

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

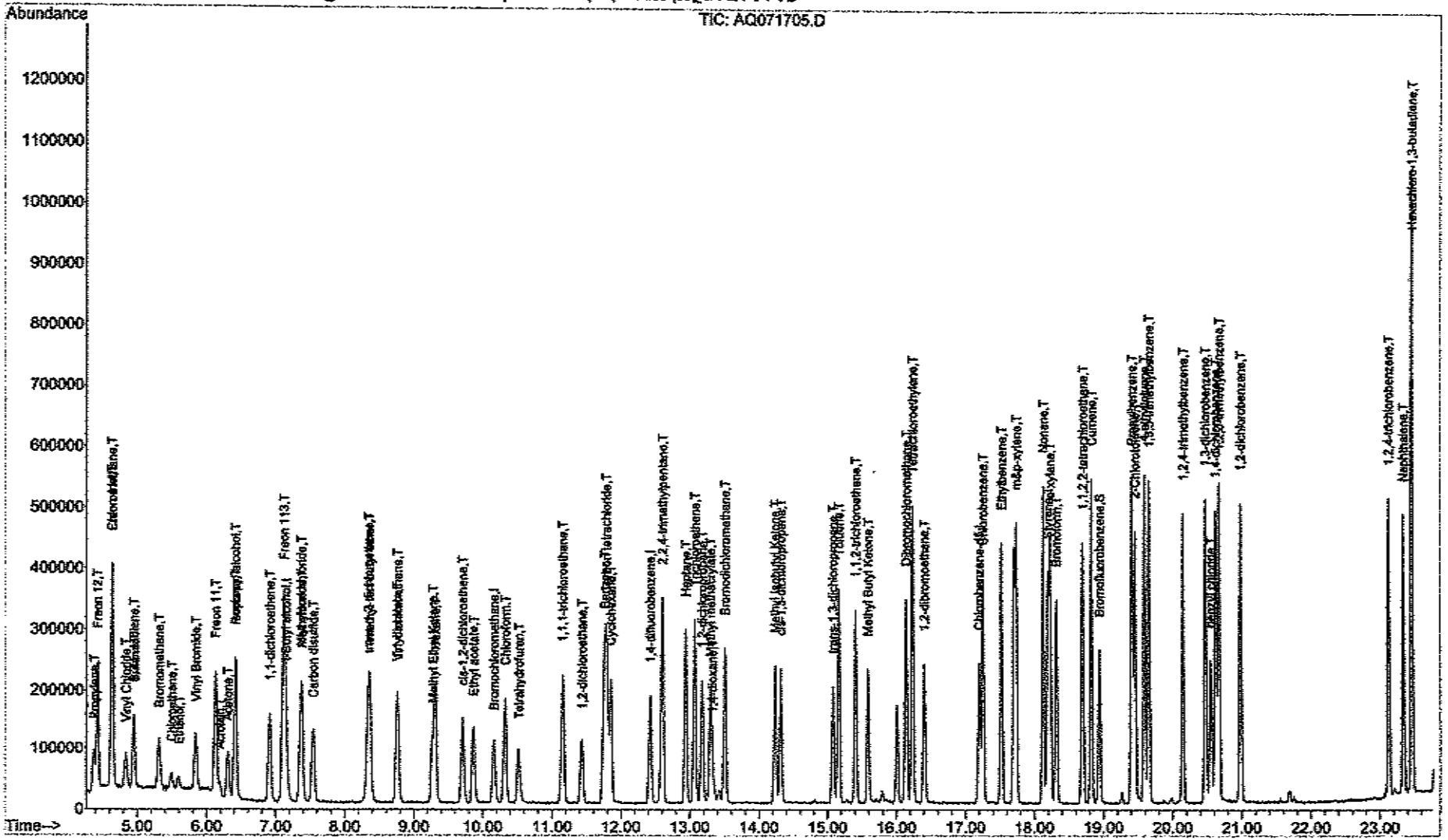
Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AQ071705.D
Acq On : 17 Jul 2019 12:21 pm
Sample : A1UG_1.50
Misc : A717_1UG
MS Integration Params: RTEINT.P
Quant Time: Jul 17 16:25 2019

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

Quant Results File: A717_1UG.RES

Method : C:\HPCHEM\1\METHODS\A717_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed Jul 17 21:42:36 2019
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AQ071707.D



Centek Laboratories, LLC

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AQ071706.D Vial: 12
Acq On : 17 Jul 2019 1:12 pm Operator: RJP
Sample : A1UG_1.25 Inst : MSD #1
Misc : A717_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 17 15:13:50 2019 Quant Results File: A717_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A717_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed Jul 17 15:13:08 2019
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AQ071707.D
DataAcq Meth : 1UG_ENT

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	10.16	128	43933	1.00	ppb		0.00
35) 1,4-difluorobenzene	12.43	114	190334	1.00	ppb		0.00
50) Chlorobenzene-d5	17.20	117	164699	1.00	ppb		0.00
System Monitoring Compounds							
65) Bromofluorobenzene	18.93	95	104074	1.05	ppb		0.00
Spiked Amount 1.000	Range 70 - 130		Recovery = 105.00%				
Target Compounds							Qvalue
2) Propylene	4.37	41	49363	1.31	ppb		97
3) Freon 12	4.43	85	215408	1.25	ppb		100
4) Chloromethane	4.63	50	51942	1.21	ppb		97
5) Freon 114	4.64	85	179407	1.23	ppb		92
6) Vinyl Chloride	4.85	62	52614	1.28	ppb		99
7) Butane	4.95	43	63135	1.25	ppb		99
8) 1,3-butadiene	4.95	39	43916	1.32	ppb		92
9) Bromomethane	5.31	94	71813	1.27	ppb		97
10) Chloroethane	5.50	64	23605	1.22	ppb		93
11) Ethanol	5.60	45	33462m	1.15	ppb		
12) Acrolein	6.20	56	24839	1.27	ppb		93
13) Vinyl Bromide	5.84	106	78755	1.21	ppb		98
14) Freon 11	6.13	101	208098	1.20	ppb		100
15) Acetone	6.31	58	40924	1.23	ppb	#	82
16) Pentane	6.41	42	76414	1.21	ppb		85
17) Isopropyl alcohol	6.43	45	131754	1.16	ppb	#	79
18) 1,1-dichloroethene	6.91	96	72997	1.25	ppb		95
19) Freon 113	7.12	101	171211	1.26	ppb		98
20) t-Butyl alcohol	7.16	59	121960	1.22	ppb	#	83
21) Methylene chloride	7.38	84	69165	1.22	ppb		94
22) Allyl chloride	7.37	41	84216	1.27	ppb		92
23) Carbon disulfide	7.55	76	223178	1.27	ppb		98
24) trans-1,2-dichloroethene	8.33	61	103549	1.25	ppb		96
25) methyl tert-butyl ether	8.37	73	162420	1.26	ppb		83
26) 1,1-dichloroethane	8.76	63	131431	1.24	ppb		99
27) Vinyl acetate	8.75	43	153171	1.29	ppb		96
28) Methyl Ethyl Ketone	9.27	72	34977	1.26	ppb	#	85
29) cis-1,2-dichloroethene	9.71	61	95726	1.27	ppb		99
30) Hexane	9.31	57	106774	1.27	ppb		95
31) Ethyl acetate	9.87	43	185361	1.23	ppb		99
32) Chloroform	10.32	83	164868	1.24	ppb		96
33) Tetrahydrofuran	10.51	42	65153	1.22	ppb		94
34) 1,2-dichloroethane	11.43	62	97306	1.22	ppb		99
36) 1,1,1-trichloroethane	11.16	97	157247	1.27	ppb		100
37) Cyclohexane	11.85	56	99383	1.32	ppb		96
38) Carbon tetrachloride	11.79	117	171893	1.26	ppb		99
39) Benzene	11.76	78	225959	1.30	ppb		98
40) Methyl methacrylate	13.30	41	96030	1.34	ppb		92
41) 1,4-dioxane	13.34	88	44471	1.23	ppb		98
42) 2,2,4-trimethylpentane	12.60	57	319084	1.30	ppb		95
43) Heptane	12.94	43	115442	1.28	ppb		98
44) Trichloroethene	13.07	130	107121	1.25	ppb		97
45) 1,2-dichloropropane	13.17	63	85727	1.24	ppb		100

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AQ071706.D Vial: 12
Acq On : 17 Jul 2019 1:12 pm Operator: RJP
Sample : A1UG_1.25 Inst : MSD #1
Misc : A717_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 17 15:13:50 2019 Quant Results File: A717_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A717_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed Jul 17 15:13:08 2019
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AQ071707.D
DataAcq Meth : 1UG_ENT

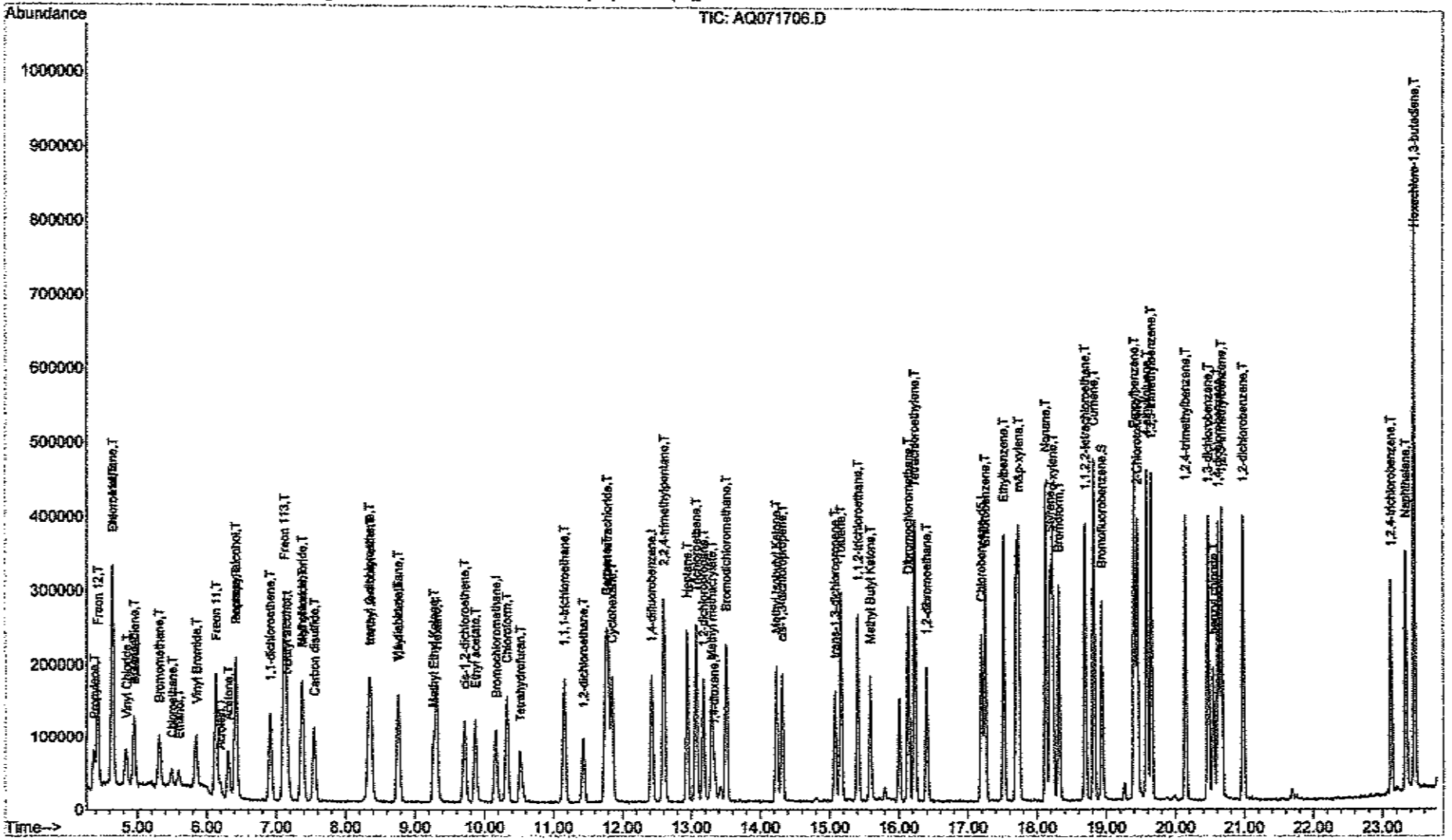
Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46) Bromodichloromethane	13.50	83	175770	1.25	ppb		99
47) cis-1,3-dichloropropene	14.32	75	127378	1.23	ppb		98
48) trans-1,3-dichloropropene	15.08	75	102336	1.27	ppb		97
49) 1,1,2-trichloroethane	15.41	97	103349	1.27	ppb		99
51) Toluene	15.16	92	150667	1.22	ppb		96
52) Methyl Isobutyl Ketone	14.23	43	162875	1.23	ppb		97
53) Dibromochloromethane	16.14	129	184319	1.20	ppb		100
54) Methyl Butyl Ketone	15.59	43	143404m	1.22	ppb		
55) 1,2-dibromoethane	16.40	107	158326	1.21	ppb		99
56) Tetrachloroethylene	16.23	164	113735	1.22	ppb		98
57) Chlorobenzene	17.25	112	216118	1.25	ppb		97
58) Ethylbenzene	17.52	91	318855	1.37	ppb		100
59) m&p-xylene	17.73	91	501733	2.74	ppb		99
60) Nonane	18.12	43	168838	1.39	ppb		95
61) Styrene	18.19	104	196463	1.32	ppb		96
62) Bromoform	18.31	173	176875	1.30	ppb		96
63) o-xylene	18.22	91	266821	1.26	ppb		97
64) Cumene	18.82	105	353861	1.43	ppb		99
66) 1,1,2,2-tetrachloroethane	18.70	83	235242	1.30	ppb		99
67) Propylbenzene	19.40	120	100323	1.44	ppb		92
68) 2-Chlorotoluene	19.45	126	101526	1.30	ppb	#	73
69) 4-ethyltoluene	19.58	105	340072	1.33	ppb		99
70) 1,3,5-trimethylbenzene	19.65	105	295207	1.31	ppb		97
71) 1,2,4-trimethylbenzene	20.15	105	253561	1.32	ppb		98
72) 1,3-dichlorobenzene	20.47	146	205967	1.23	ppb		98
73) benzyl chloride	20.55	91	162390	1.31	ppb		98
74) 1,4-dichlorobenzene	20.62	146	203593	1.24	ppb		98
75) 1,2,3-trimethylbenzene	20.67	105	282065	1.27	ppb		98
76) 1,2-dichlorobenzene	20.98	146	202769	1.22	ppb		98
77) 1,2,4-trichlorobenzene	23.13	180	109277	1.02	ppb		99
78) Naphthalene	23.34	128	296174	1.18	ppb		99
79) Hexachloro-1,3-butadiene	23.46	225	183181	1.22	ppb		95

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AQ071706.D Vial: 12
Acq On : 17 Jul 2019 1:12 pm Operator: RJP
Sample : A1UG_1.25 Inst : MSD #1
Misc : A717_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 17 16:26 2019 Quant Results File: A717_1UG.RES

Method : C:\HPCHEM\1\METHODS\A717_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed Jul 17 21:42:36 2019
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AQ071707.D



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Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AQ071707.D Vial: 13
Acq On : 17 Jul 2019 2:03 pm Operator: RJP
Sample : A1UG_1.0 Inst : MSD #1
Misc : A717_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 17 15:13:39 2019 Quant Results File: A717_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A717_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed Jul 17 15:13:08 2019
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AQ071707.D
DataAcq Meth : 1UG_ENT

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	10.16	128	43334	1.00	ppb		0.00
35) 1,4-difluorobenzene	12.43	114	189564	1.00	ppb		0.00
50) Chlorobenzene-d5	17.19	117	157745	1.00	ppb		0.00
System Monitoring Compounds							
65) Bromofluorobenzene	18.93	95	95253	1.00	ppb		0.00
Spiked Amount 1.000	Range 70 - 130		Recovery = 100.00%				
Target Compounds							Qvalue
2) Propylene	4.37	41	37175	1.00	ppb		90
3) Freon 12	4.43	85	169355	1.00	ppb		100
4) Chloromethane	4.64	50	42283	1.00	ppb		100
5) Freon 114	4.64	85	143710	1.00	ppb		92
6) Vinyl Chloride	4.85	62	40567	1.00	ppb		95
7) Butane	4.95	43	50000	1.00	ppb		99
8) 1,3-butadiene	4.95	39	32857	1.00	ppb		97
9) Bromomethane	5.31	94	55852	1.00	ppb		98
10) Chloroethane	5.50	64	19090	1.00	ppb		94
11) Ethanol	5.60	45	28797	1.00	ppb		92
12) Acrolein	6.19	56	19344	1.00	ppb		96
13) Vinyl Bromide	5.84	106	64413	1.00	ppb		98
14) Freon 11	6.13	101	170820	1.00	ppb		99
15) Acetone	6.31	58	32854	1.00	ppb		89
16) Pentane	6.42	42	62396	1.00	ppb		87
17) Isopropyl alcohol	6.43	45	112492	1.00	ppb	#	75
18) 1,1-dichloroethene	6.92	96	57504	1.00	ppb		95
19) Freon 113	7.12	101	133937	1.00	ppb		98
20) t-Butyl alcohol	7.16	59	98912	1.00	ppb	#	83
21) Methylene chloride	7.38	84	55995	1.00	ppb		95
22) Allyl chloride	7.37	41	65320	1.00	ppb		95
23) Carbon disulfide	7.55	76	173588	1.00	ppb		99
24) trans-1,2-dichloroethene	8.33	61	81668	1.00	ppb		97
25) methyl tert-butyl ether	8.37	73	127026	1.00	ppb		79
26) 1,1-dichloroethane	8.77	63	104490	1.00	ppb		100
27) Vinyl acetate	8.75	43	117546	1.00	ppb		97
28) Methyl Ethyl Ketone	9.27	72	27287	1.00	ppb	#	1
29) cis-1,2-dichloroethene	9.71	61	74583	1.00	ppb		99
30) Hexane	9.31	57	83023	1.00	ppb		94
31) Ethyl acetate	9.87	43	149123	1.00	ppb		99
32) Chloroform	10.33	83	131045	1.00	ppb		97
33) Tetrahydrofuran	10.52	42	52789	1.00	ppb		92
34) 1,2-dichloroethane	11.44	62	78564	1.00	ppb		99
36) 1,1,1-trichloroethane	11.16	97	123470	1.00	ppb		98
37) Cyclohexane	11.86	56	74926	1.00	ppb		95
38) Carbon tetrachloride	11.79	117	135588	1.00	ppb		99
39) Benzene	11.75	78	173502	1.00	ppb		98
40) Methyl methacrylate	13.29	41	71613	1.00	ppb		95
41) 1,4-dioxane	13.33	88	36050	1.00	ppb		97
42) 2,2,4-trimethylpentane	12.60	57	244872	1.00	ppb		95
43) Heptane	12.94	43	89681	1.00	ppb		96
44) Trichloroethene	13.07	130	85062	1.00	ppb		97
45) 1,2-dichloropropane	13.17	63	69079	1.00	ppb		100

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AQ071707.D Vial: 13
Acq On : 17 Jul 2019 2:03 pm Operator: RJP
Sample : A1UG_1.0 Inst : MSD #1
Misc : A717_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 17 15:13:39 2019 Quant Results File: A717_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A717_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed Jul 17 15:13:08 2019
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AQ071707.D
DataAcq Meth : 1UG_ENT

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46)	Bromodichloromethane	13.51	83	139496	1.00	ppb		98
47)	cis-1,3-dichloropropene	14.32	75	102728	1.00	ppb		100
48)	trans-1,3-dichloropropene	15.08	75	80254	1.00	ppb		94
49)	1,1,2-trichloroethane	15.41	97	80788	1.00	ppb		99
51)	Toluene	15.16	92	118009	1.00	ppb		98
52)	Methyl Isobutyl Ketone	14.23	43	126516	1.00	ppb		98
53)	Dibromochloromethane	16.14	129	147582	1.00	ppb		99
54)	Methyl Butyl Ketone	15.59	43	112729	1.00	ppb		91
55)	1,2-dibromoethane	16.40	107	125038	1.00	ppb		99
56)	Tetrachloroethylene	16.23	164	89016	1.00	ppb		98
57)	Chlorobenzene	17.25	112	165564	1.00	ppb		96
58)	Ethylbenzene	17.52	91	223539	1.00	ppb		97
59)	m&p-xylene	17.73	91	351017	2.00	ppb		100
60)	Nonane	18.12	43	116589	1.00	ppb		93
61)	Styrene	18.19	104	143033	1.00	ppb		96
62)	Bromoform	18.31	173	130075	1.00	ppb		96
63)	o-xylene	18.22	91	203264	1.00	ppb		99
64)	Cumene	18.82	105	237121	1.00	ppb		99
66)	1,1,2,2-tetrachloroethane	18.70	83	173767	1.00	ppb		99
67)	Propylbenzene	19.41	120	66550	1.00	ppb		79
68)	2-Chlorotoluene	19.45	126	74575	1.00	ppb	#	66
69)	4-ethyltoluene	19.59	105	245005	1.00	ppb		99
70)	1,3,5-trimethylbenzene	19.65	105	216408	1.00	ppb		98
71)	1,2,4-trimethylbenzene	20.15	105	184509	1.00	ppb		97
72)	1,3-dichlorobenzene	20.47	146	160975	1.00	ppb		98
73)	benzyl chloride	20.55	91	119007	1.00	ppb		99
74)	1,4-dichlorobenzene	20.62	146	156838	1.00	ppb		98
75)	1,2,3-trimethylbenzene	20.67	105	213510	1.00	ppb		97
76)	1,2-dichlorobenzene	20.98	146	158987	1.00	ppb		98
77)	1,2,4-trichlorobenzene	23.13	180	102871	1.00	ppb		97
78)	Naphthalene	23.34	128	240232	1.00	ppb		99
79)	Hexachloro-1,3-butadiene	23.46	225	143647	1.00	ppb		94

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

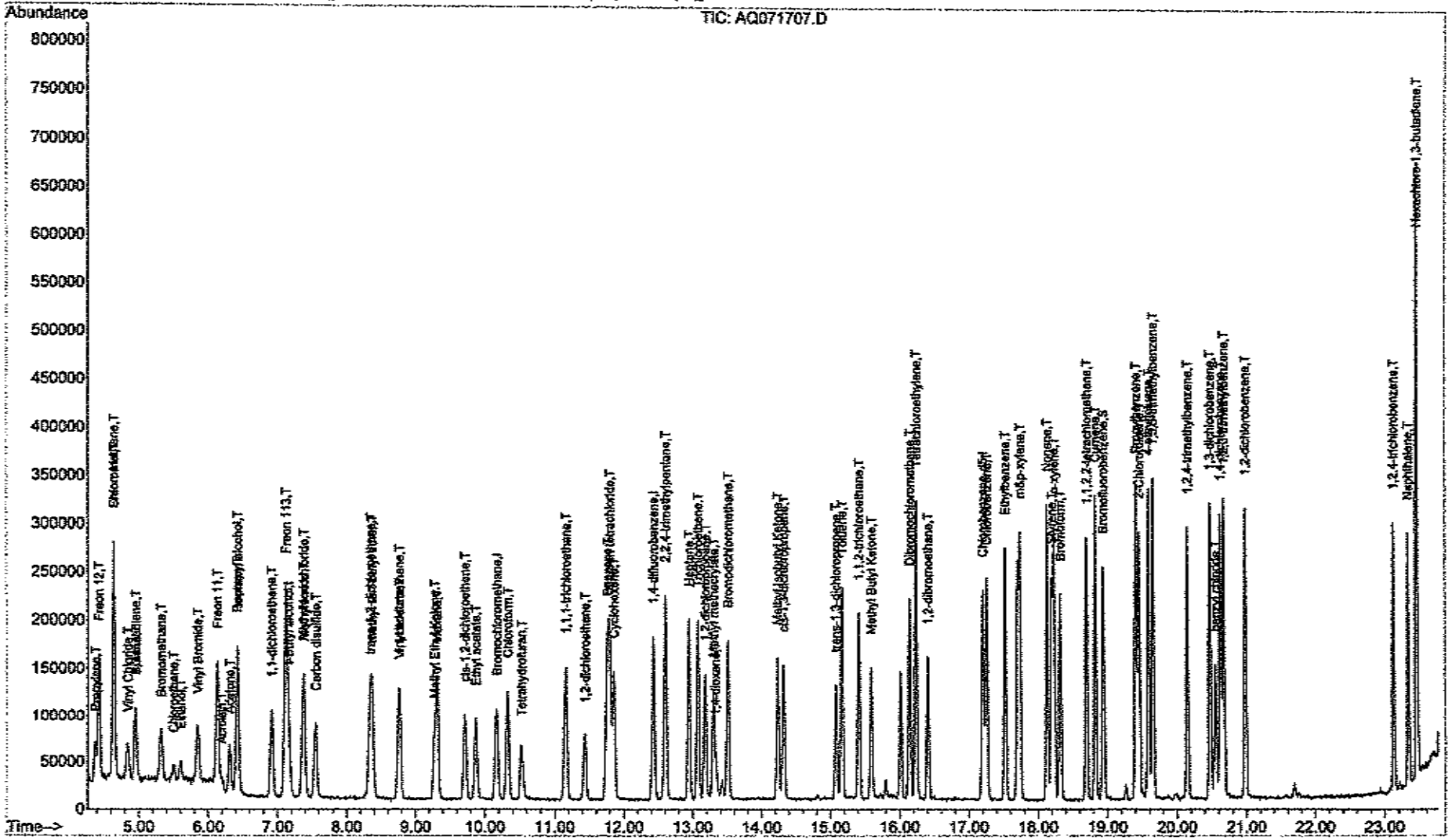
Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AQ071707.D
Acq On : 17 Jul 2019 2:03 pm
Sample : A1UG_1.0
Misc : A717_1UG
MS Integration Params: RTEINT.P
Quant Time: Jul 17 15:13 2019

Vial: 13
Operator: RJP
Inst : MSD #1
Multiplr: 1.00

Quant Results File: A717_1UG.RES

Method : C:\HPCHEM\1\METHODS\A717_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed Jul 17 21:42:36 2019
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AQ071707.D



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Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AQ071708.D Vial: 14
Acq On : 17 Jul 2019 2:53 pm Operator: RJP
Sample : A1UG_0.75 Inst : MSD #1
Misc : A717_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 17 15:18:08 2019 Quant Results File: A717_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A717_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed Jul 17 15:13:08 2019
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AQ071707.D
DataAcq Meth : 1UG_ENT

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	10.16	128	43390	1.00	ppb		0.00
35) 1,4-difluorobenzene	12.43	114	185077	1.00	ppb		0.00
50) Chlorobenzene-d5	17.20	117	143163	1.00	ppb		0.00
System Monitoring Compounds							
65) Bromofluorobenzene	18.93	95	93763	1.08	ppb		0.00
Spiked Amount 1.000	Range 70 - 130		Recovery = 108.00%				
Target Compounds							Qvalue
2) Propylene	4.38	41	28381	0.76	ppb		77
3) Freon 12	4.43	85	129122	0.76	ppb		99
4) Chloromethane	4.64	50	32637	0.77	ppb		94
5) Freon 114	4.64	85	107098	0.74	ppb		91
6) Vinyl Chloride	4.84	62	31531	0.78	ppb		100
7) Butane	4.95	43	35458	0.71	ppb		89
8) 1,3-butadiene	4.95	39	27456	0.83	ppb		92
9) Bromomethane	5.32	94	41906	0.75	ppb		98
10) Chloroethane	5.49	64	14433	0.76	ppb		91
11) Ethanol	5.60	45	25735m	0.89	ppb		
12) Acrolein	6.20	56	15166	0.78	ppb		93
13) Vinyl Bromide	5.85	106	47104	0.73	ppb		100
14) Freon 11	6.13	101	122661	0.72	ppb		99
15) Acetone	6.31	58	24419	0.74	ppb	#	1
16) Pentane	6.42	42	47243	0.76	ppb	#	46
17) Isopropyl alcohol	6.43	45	87814	0.78	ppb	#	64
18) 1,1-dichloroethene	6.92	96	43703	0.76	ppb		95
19) Freon 113	7.12	101	100745	0.75	ppb		98
20) t-Butyl alcohol	7.16	59	72974	0.74	ppb	#	82
21) Methylene chloride	7.39	84	41536	0.74	ppb		92
22) Allyl chloride	7.36	41	48968	0.75	ppb		95
23) Carbon disulfide	7.55	76	129933	0.75	ppb		100
24) trans-1,2-dichloroethene	8.33	61	61181	0.75	ppb		97
25) methyl tert-butyl ether	8.37	73	94734	0.74	ppb		78
26) 1,1-dichloroethane	8.76	63	79235	0.76	ppb		99
27) Vinyl acetate	8.75	43	88381	0.75	ppb		97
28) Methyl Ethyl Ketone	9.28	72	21902	0.80	ppb		96
29) cis-1,2-dichloroethene	9.71	61	56044	0.75	ppb		100
30) Hexane	9.31	57	62744	0.75	ppb		96
31) Ethyl acetate	9.87	43	118265	0.79	ppb		99
32) Chloroform	10.33	83	97353	0.74	ppb		99
33) Tetrahydrofuran	10.53	42	37846	0.72	ppb		94
34) 1,2-dichloroethane	11.43	62	58926	0.75	ppb		99
36) 1,1,1-trichloroethane	11.16	97	94640	0.79	ppb		99
37) Cyclohexane	11.85	56	55739	0.76	ppb		95
38) Carbon tetrachloride	11.79	117	100929	0.76	ppb		99
39) Benzene	11.75	78	131122	0.77	ppb		97
40) Methyl methacrylate	13.30	41	53188	0.76	ppb		93
41) 1,4-dioxane	13.34	88	26575	0.76	ppb		93
42) 2,2,4-trimethylpentane	12.60	57	182244	0.76	ppb		94
43) Heptane	12.94	43	65775	0.75	ppb		96
44) Trichloroethene	13.07	130	64870	0.78	ppb		96
45) 1,2-dichloropropane	13.17	63	51328	0.76	ppb		99

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AQ071708.D Vial: 14
Acq On : 17 Jul 2019 2:53 pm Operator: RJP
Sample : A1UG_0.75 Inst : MSD #1
Misc : A717_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 17 15:18:08 2019 Quant Results File: A717_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A717_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed Jul 17 15:13:08 2019
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AQ071707.D
DataAcq Meth : 1UG_ENT

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46)	Bromodichloromethane	13.51	83	103925	0.76	ppb		99
47)	cis-1,3-dichloropropene	14.32	75	76354	0.76	ppb		99
48)	trans-1,3-dichloropropene	15.08	75	59757	0.76	ppb		98
49)	1,1,2-trichloroethane	15.41	97	62177	0.79	ppb		98
51)	Toluene	15.17	92	86968	0.81	ppb		95
52)	Methyl Isobutyl Ketone	14.24	43	94696	0.82	ppb		98
53)	Dibromochloromethane	16.14	129	109423	0.82	ppb		98
54)	Methyl Butyl Ketone	15.59	43	84127	0.82	ppb		92
55)	1,2-dibromoethane	16.40	107	94900	0.84	ppb		97
56)	Tetrachloroethylene	16.23	164	66893	0.83	ppb		100
57)	Chlorobenzene	17.25	112	114510	0.76	ppb		97
58)	Ethylbenzene	17.52	91	152501	0.75	ppb		99
59)	m&p-xylene	17.74	91	256136	1.61	ppb		100
60)	Nonane	18.13	43	84173	0.80	ppb		95
61)	Styrene	18.19	104	103759	0.80	ppb		98
62)	Bromoform	18.31	173	93708	0.79	ppb		98
63)	o-xylene	18.22	91	147771	0.80	ppb		99
64)	Cumene	18.82	105	167849	0.78	ppb		98
66)	1,1,2,2-tetrachloroethane	18.69	83	130438	0.83	ppb		98
67)	Propylbenzene	19.41	120	48770	0.81	ppb		82
68)	2-Chlorotoluene	19.45	126	52204	0.77	ppb	#	72
69)	4-ethyltoluene	19.59	105	177754	0.80	ppb		99
70)	1,3,5-trimethylbenzene	19.65	105	154698	0.79	ppb		98
71)	1,2,4-trimethylbenzene	20.14	105	130078	0.78	ppb		97
72)	1,3-dichlorobenzene	20.47	146	117100	0.80	ppb		98
73)	benzyl chloride	20.55	91	87097	0.81	ppb		99
74)	1,4-dichlorobenzene	20.62	146	113048	0.79	ppb		99
75)	1,2,3-trimethylbenzene	20.67	105	150701	0.78	ppb		97
76)	1,2-dichlorobenzene	20.98	146	116018	0.80	ppb		97
77)	1,2,4-trichlorobenzene	23.13	180	69875	0.75	ppb		100
78)	Naphthalene	23.34	128	158848	0.73	ppb		99
79)	Hexachloro-1,3-butadiene	23.46	225	105670	0.81	ppb		94

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

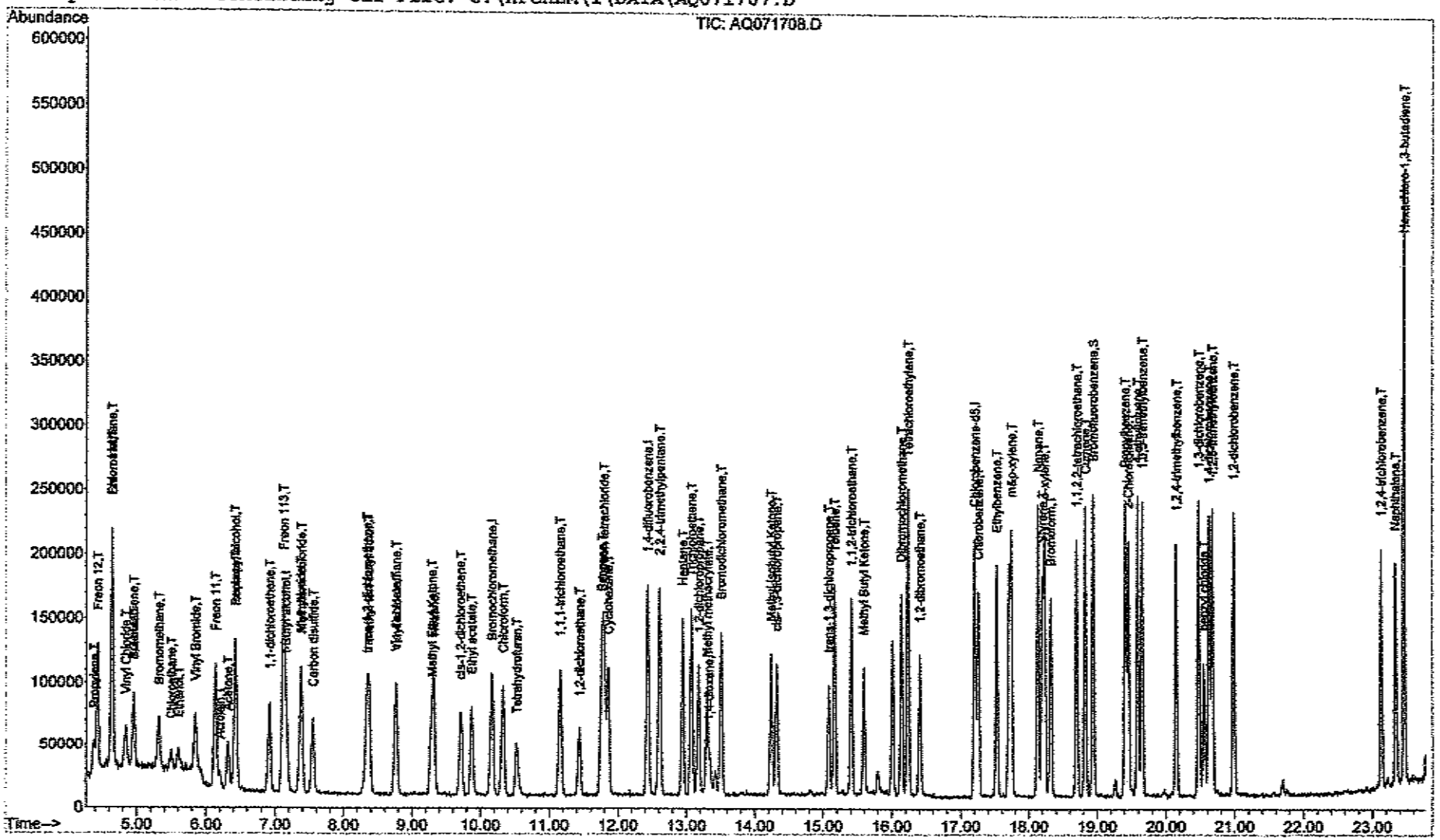
Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AQ071708.D
Acq On : 17 Jul 2019 2:53 pm
Sample : A1UG_0.75
Misc : A717_1UG
MS Integration Params: RTEINT.P
Quant Time: Jul 17 16:27 2019

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

Quant Results File: A717_1UG.RES

Method : C:\HPCHEM\1\METHODS\A717_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed Jul 17 21:42:36 2019
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AQ071707.D



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Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AQ071709.D Vial: 15
Acq On : 17 Jul 2019 3:42 pm Operator: RJP
Sample : A1UG_0.50 Inst : MSD #1
Misc : A717_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 17 16:16:49 2019 Quant Results File: A717_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A717_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed Jul 17 15:13:08 2019
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AQ071707.D
DataAcq Meth : 1UG_ENT

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	10.17	128	41435	1.00	ppb		0.00
35) 1,4-difluorobenzene	12.43	114	180826	1.00	ppb		0.00
50) Chlorobenzene-d5	17.20	117	153405	1.00	ppb		0.00
System Monitoring Compounds							
65) Bromofluorobenzene	18.94	95	85709	0.93	ppb		0.00
Spiked Amount 1.000	Range 70 - 130		Recovery = 93.00%				
Target Compounds							Qvalue
2) Propylene	4.38	41	21486	0.60	ppb		92
3) Freon 12	4.43	85	85248	0.53	ppb		100
4) Chloromethane	4.64	50	22223	0.55	ppb		96
5) Freon 114	4.64	85	71349	0.52	ppb		92
6) Vinyl Chloride	4.85	62	20990	0.54	ppb		99
7) Butane	4.95	43	25966	0.54	ppb		95
8) 1,3-butadiene	4.96	39	18029	0.57	ppb		98
9) Bromomethane	5.32	94	29262	0.55	ppb		95
10) Chloroethane	5.51	64	10520	0.58	ppb		98
11) Ethanol	5.60	45	17111m	0.62	ppb		
12) Acrolein	6.19	56	9753	0.53	ppb		97
13) Vinyl Bromide	5.85	106	31534	0.51	ppb		98
14) Freon 11	6.13	101	83402	0.51	ppb		100
15) Acetone	6.31	58	17703	0.56	ppb		87
16) Pentane	6.42	42	31420	0.53	ppb		89
17) Isopropyl alcohol	6.42	45	63752	0.59	ppb	#	66
18) 1,1-dichloroethene	6.92	96	28222	0.51	ppb		93
19) Freon 113	7.12	101	68337	0.53	ppb		99
20) t-Butyl alcohol	7.16	59	47915	0.51	ppb	#	80
21) Methylene chloride	7.38	84	28121	0.53	ppb		96
22) Allyl chloride	7.37	41	32894	0.53	ppb		92
23) Carbon disulfide	7.55	76	85370	0.51	ppb		100
24) trans-1,2-dichloroethene	8.34	61	40538	0.52	ppb		96
25) methyl tert-butyl ether	8.37	73	61472	0.51	ppb		79
26) 1,1-dichloroethane	8.77	63	52387	0.52	ppb		100
27) Vinyl acetate	8.76	43	56144	0.50	ppb		92
28) Methyl Ethyl Ketone	9.28	72	14286	0.55	ppb		99
29) cis-1,2-dichloroethene	9.71	61	37738	0.53	ppb		99
30) Hexane	9.31	57	40664	0.51	ppb		94
31) Ethyl acetate	9.87	43	80080	0.56	ppb		98
32) Chloroform	10.33	83	64075	0.51	ppb		96
33) Tetrahydrofuran	10.53	42	23229	0.46	ppb		95
34) 1,2-dichloroethane	11.43	62	39232	0.52	ppb		99
36) 1,1,1-trichloroethane	11.16	97	61846	0.53	ppb		98
37) Cyclohexane	11.85	56	36096	0.51	ppb		94
38) Carbon tetrachloride	11.80	117	66210	0.51	ppb		99
39) Benzene	11.76	78	85835	0.52	ppb		97
40) Methyl methacrylate	13.30	41	35431	0.52	ppb		92
41) 1,4-dioxane	13.34	88	16794	0.49	ppb		92
42) 2,2,4-trimethylpentane	12.60	57	117653	0.50	ppb		93
43) Heptane	12.94	43	42033	0.49	ppb		96
44) Trichloroethene	13.07	130	40953	0.50	ppb		96
45) 1,2-dichloropropane	13.18	63	33693	0.51	ppb		100

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AQ071709.D Vial: 15
Acq On : 17 Jul 2019 3:42 pm Operator: RJP
Sample : A1UG_0.50 Inst : MSD #1
Misc : A717_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 17 16:16:49 2019 Quant Results File: A717_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A717_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed Jul 17 15:13:08 2019
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AQ071707.D
DataAcq Meth : 1UG_ENT

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46)	Bromodichloromethane	13.51	83	67426	0.51	ppb		99
47)	cis-1,3-dichloropropene	14.32	75	48706	0.50	ppb		99
48)	trans-1,3-dichloropropene	15.08	75	38520	0.50	ppb		97
49)	1,1,2-trichloroethane	15.41	97	40385	0.52	ppb		100
51)	Toluene	15.17	92	57297	0.50	ppb		98
52)	Methyl Isobutyl Ketone	14.23	43	60472	0.49	ppb		98
53)	Dibromochloromethane	16.14	129	71425	0.50	ppb		99
54)	Methyl Butyl Ketone	15.59	43	51726	0.47	ppb		96
55)	1,2-dibromoethane	16.40	107	61624	0.51	ppb		97
56)	Tetrachloroethylene	16.23	164	43205	0.50	ppb		100
57)	Chlorobenzene	17.25	112	79956	0.50	ppb		97
58)	Ethylbenzene	17.52	91	107625	0.50	ppb		100
59)	m&p-xylene	17.74	91	155613	0.91	ppb		100
60)	Nonane	18.13	43	50441	0.44	ppb		91
61)	Styrene	18.20	104	62278	0.45	ppb		97
62)	Bromoform	18.32	173	61313	0.48	ppb		95
63)	o-xylene	18.23	91	90096	0.46	ppb		99
64)	Cumene	18.82	105	98940	0.43	ppb		98
66)	1,1,2,2-tetrachloroethane	18.69	83	83503	0.49	ppb		99
67)	Propylbenzene	19.41	120	28412	0.44	ppb		75
68)	2-Chlorotoluene	19.45	126	33515	0.46	ppb	#	60
69)	4-ethyltoluene	19.59	105	101938	0.43	ppb		97
70)	1,3,5-trimethylbenzene	19.65	105	93563	0.44	ppb		97
71)	1,2,4-trimethylbenzene	20.14	105	74236	0.41	ppb		97
72)	1,3-dichlorobenzene	20.47	146	70350	0.45	ppb		99
73)	benzyl chloride	20.55	91	46281	0.40	ppb		98
74)	1,4-dichlorobenzene	20.62	146	68867	0.45	ppb		98
75)	1,2,3-trimethylbenzene	20.67	105	88074	0.42	ppb		100
76)	1,2-dichlorobenzene	20.98	146	68741	0.44	ppb		98
77)	1,2,4-trichlorobenzene	23.13	180	34179	0.34	ppb		99
78)	Naphthalene	23.34	128	83131	0.36	ppb		98
79)	Hexachloro-1,3-butadiene	23.46	225	66139	0.47	ppb		93

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

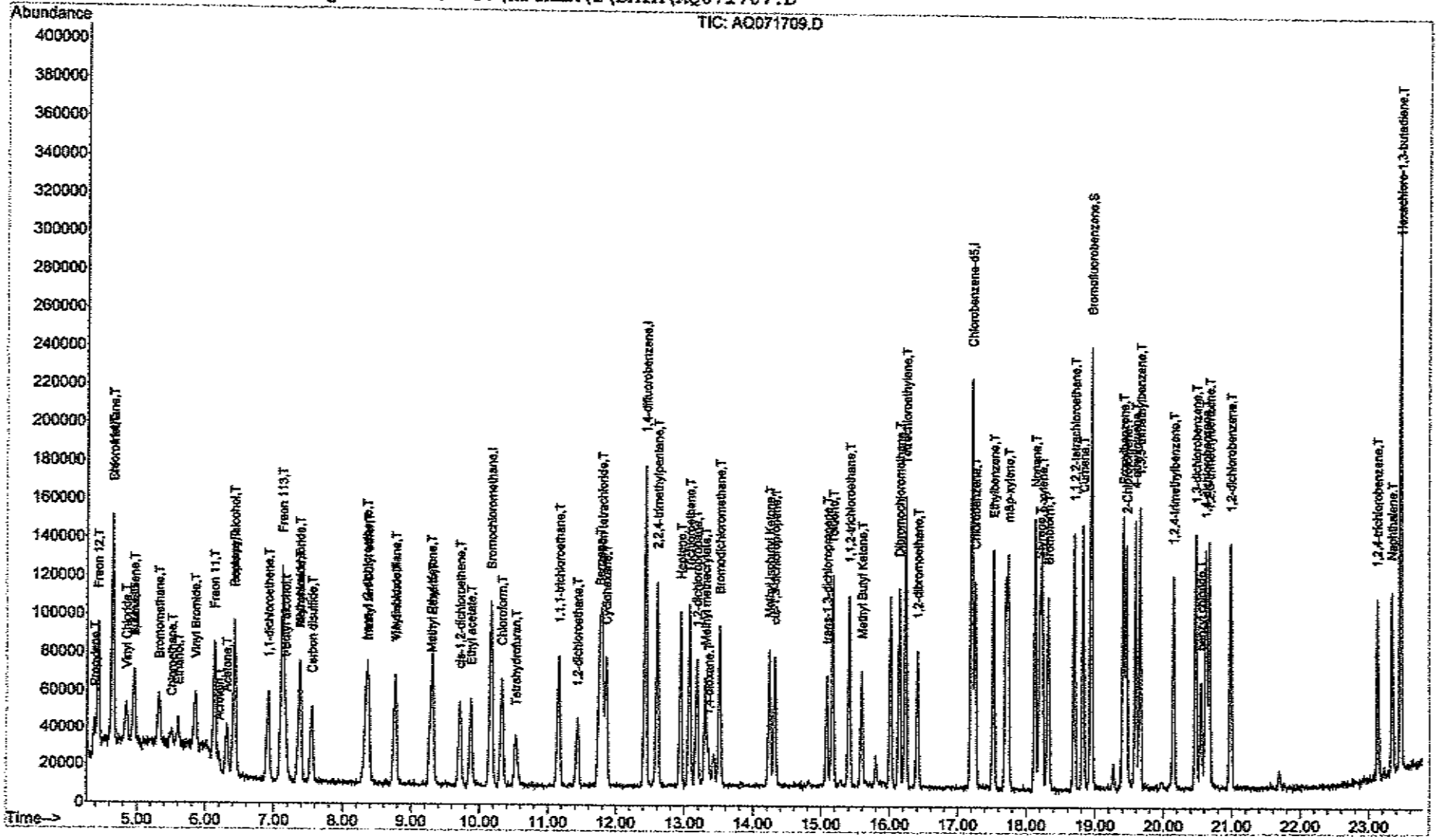
Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AQ071709.D
Acq On : 17 Jul 2019 3:42 pm
Sample : A1UG_0.50
Misc : A717_1UG
MS Integration Params: RTEINT.P
Quant Time: Jul 17 16:28 2019

Vial: 15
Operator: RJP
Inst : MSD #1
Multiplr: 1.00

Quant Results File: A717_1UG.RES

Method : C:\HPCHEM\1\METHODS\A717_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed Jul 17 21:42:36 2019
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AQ071707.D



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Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AQ071710.D Vial: 16
Acq On : 17 Jul 2019 4:31 pm Operator: RJP
Sample : A1UG_0.30 Inst : MSD #1
Misc : A717_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 17 17:47:40 2019 Quant Results File: A717_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A717_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed Jul 17 15:13:08 2019
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AQ071707.D
DataAcq Meth : 1UG_ENT

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	10.16	128	41008	1.00	ppb		0.00
35) 1,4-difluorobenzene	12.43	114	176450	1.00	ppb		0.00
50) Chlorobenzene-d5	17.20	117	131249	1.00	ppb		0.00
System Monitoring Compounds							
65) Bromofluorobenzene	18.94	95	81727	1.03	ppb		0.00
Spiked Amount 1.000	Range 70 - 130		Recovery = 103.00%				
Target Compounds							Qvalue
2) Propylene	4.37	41	11531	0.33	ppb		90
3) Freon 12	4.43	85	50566	0.32	ppb		99
4) Chloromethane	4.64	50	14073	0.35	ppb		85
5) Freon 114	4.64	85	42866	0.32	ppb		91
6) Vinyl Chloride	4.85	62	12395	0.32	ppb		94
7) Butane	4.96	43	16469	0.35	ppb		91
8) 1,3-butadiene	4.96	39	10355	0.33	ppb		94
9) Bromomethane	5.33	94	16565	0.31	ppb		95
10) Chloroethane	5.49	64	5907	0.33	ppb		97
11) Ethanol	5.59	45	11676m	0.43	ppb		
12) Acrolein	6.19	56	6233	0.34	ppb		98
13) Vinyl Bromide	5.85	106	19842	0.33	ppb		99
14) Freon 11	6.13	101	56156	0.35	ppb		99
15) Acetone	6.32	58	9711	0.31	ppb	#	67
16) Pentane	6.43	42	19475	0.33	ppb		84
17) Isopropyl alcohol	6.43	45	43607	0.41	ppb	#	55
18) 1,1-dichloroethene	6.91	96	17645	0.32	ppb		98
19) Freon 113	7.12	101	39254	0.31	ppb		98
20) t-Butyl alcohol	7.17	59	27087	0.29	ppb	#	76
21) Methylene chloride	7.38	84	16752	0.32	ppb		94
22) Allyl chloride	7.37	41	19080	0.31	ppb		94
23) Carbon disulfide	7.54	76	50669	0.31	ppb		100
24) trans-1,2-dichloroethene	8.33	61	23898	0.31	ppb		97
25) methyl tert-butyl ether	8.38	73	34717	0.29	ppb		77
26) 1,1-dichloroethane	8.77	63	30985	0.31	ppb		100
27) Vinyl acetate	8.75	43	31413	0.28	ppb		95
28) Methyl Ethyl Ketone	9.28	72	8037	0.31	ppb	#	87
29) cis-1,2-dichloroethene	9.71	61	21590	0.31	ppb		99
30) Hexane	9.31	57	22303	0.28	ppb		89
31) Ethyl acetate	9.87	43	50076	0.35	ppb		98
32) Chloroform	10.33	83	37752	0.30	ppb		97
33) Tetrahydrofuran	10.52	42	13949	0.28	ppb		94
34) 1,2-dichloroethane	11.44	62	22633	0.30	ppb		96
36) 1,1,1-trichloroethane	11.15	97	35846	0.31	ppb		98
37) Cyclohexane	11.86	56	21311	0.31	ppb		96
38) Carbon tetrachloride	11.79	117	38225	0.30	ppb		99
39) Benzene	11.76	78	51087	0.32	ppb		98
40) Methyl methacrylate	13.31	41	19732	0.30	ppb		94
41) 1,4-dioxane	13.34	88	9031	0.27	ppb		84
42) 2,2,4-trimethylpentane	12.60	57	66007	0.29	ppb		91
43) Heptane	12.95	43	24203	0.29	ppb		96
44) Trichloroethene	13.07	130	23893	0.30	ppb		97
45) 1,2-dichloropropane	13.18	63	19642	0.31	ppb		100

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AQ071710.D
Acq On : 17 Jul 2019 4:31 pm
Sample : A1UG_0.30
Misc : A717_1UG
MS Integration Params: RTEINT.P
Quant Time: Jul 17 17:47:40 2019

Vial: 16
Operator: RJP
Inst : MSD #1
Multiplr: 1.00

Quant Results File: A717_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A717_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed Jul 17 15:13:08 2019
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AQ071707.D
DataAcq Meth : 1UG_ENT

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46)	Bromodichloromethane	13.51	83	39875	0.31	ppb		97
47)	cis-1,3-dichloropropene	14.31	75	24722	0.26	ppb		98
48)	trans-1,3-dichloropropene	15.08	75	18558	0.25	ppb		97
49)	1,1,2-trichloroethane	15.40	97	21859	0.29	ppb		100
51)	Toluene	15.17	92	27835	0.28	ppb		98
52)	Methyl Isobutyl Ketone	14.24	43	34482	0.33	ppb		98
53)	Dibromochloromethane	16.14	129	38820	0.32	ppb		97
54)	Methyl Butyl Ketone	15.59	43	24250m	0.26	ppb		
55)	1,2-dibromoethane	16.40	107	33003	0.32	ppb		96
56)	Tetrachloroethylene	16.23	164	22770	0.31	ppb		96
57)	Chlorobenzene	17.25	112	42694	0.31	ppb		98
58)	Ethylbenzene	17.52	91	50914	0.27	ppb		98
59)	m&p-xylene	17.73	91	81822	0.56	ppb		100
60)	Nonane	18.13	43	26397	0.27	ppb		87
61)	Styrene	18.19	104	33544	0.28	ppb		99
62)	Bromoform	18.31	173	35003	0.32	ppb		97
63)	o-xylene	18.23	91	48532	0.29	ppb		96
64)	Cumene	18.82	105	54489	0.28	ppb		99
66)	1,1,2,2-tetrachloroethane	18.70	83	48889	0.34	ppb		98
67)	Propylbenzene	19.41	120	15163	0.27	ppb		79
68)	2-Chlorotoluene	19.45	126	17439	0.28	ppb	#	1
69)	4-ethyltoluene	19.59	105	53261	0.26	ppb		98
70)	1,3,5-trimethylbenzene	19.65	105	48592	0.27	ppb		100
71)	1,2,4-trimethylbenzene	20.14	105	38038	0.25	ppb		94
72)	1,3-dichlorobenzene	20.47	146	41080	0.31	ppb		95
73)	benzyl chloride	20.54	91	26253	0.27	ppb		99
74)	1,4-dichlorobenzene	20.62	146	36929	0.28	ppb		98
75)	1,2,3-trimethylbenzene	20.67	105	44573	0.25	ppb		98
76)	1,2-dichlorobenzene	20.98	146	40154	0.30	ppb		96
77)	1,2,4-trichlorobenzene	23.13	180	17806m	0.21	ppb		
78)	Naphthalene	23.34	128	43514m	0.22	ppb		
79)	Hexachloro-1,3-butadiene	23.46	225	37253	0.31	ppb		94

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

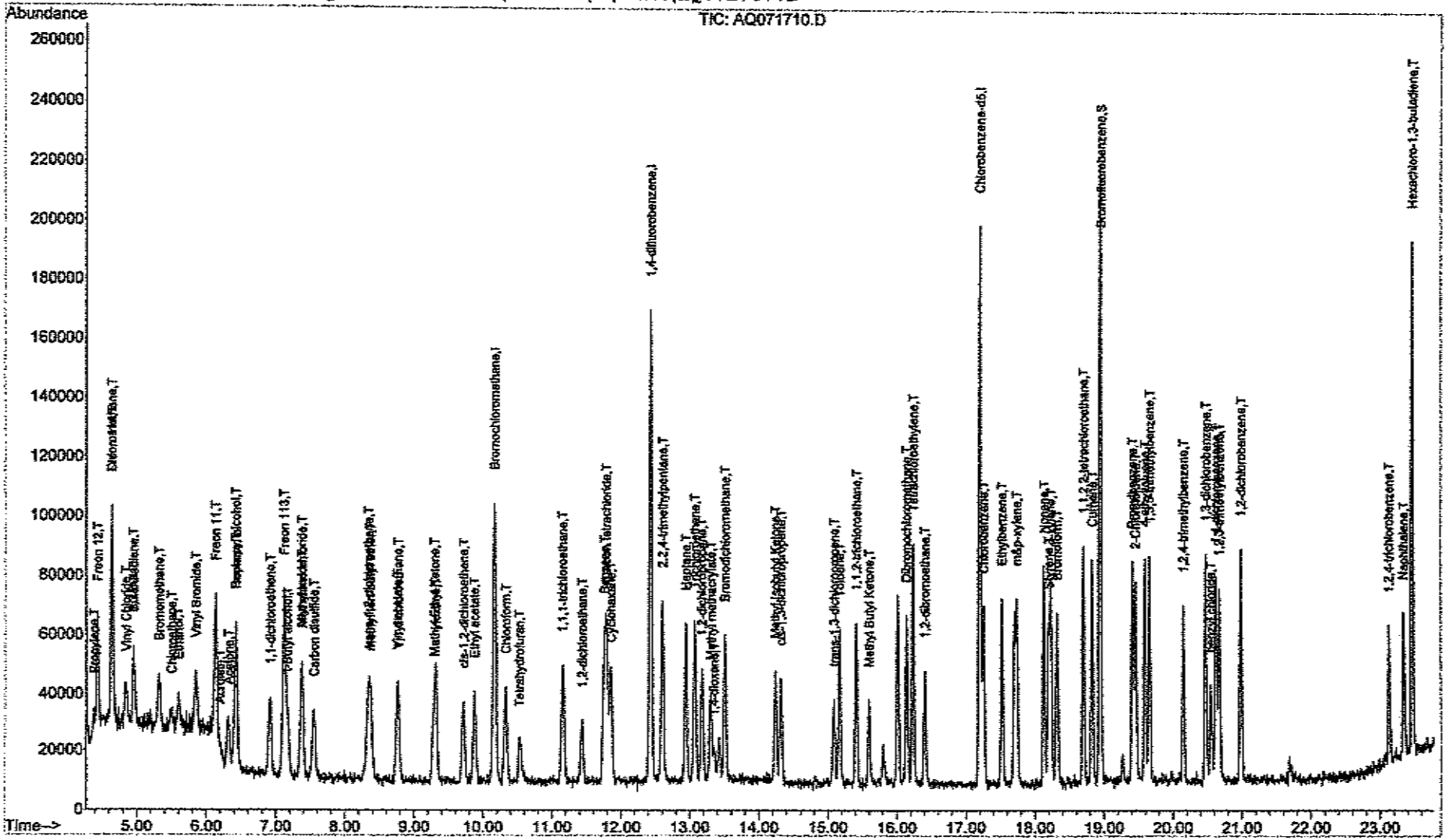
Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AQ071710.D
Acq On : 17 Jul 2019 4:31 pm
Sample : A1UG_0.30
Misc : A717_1UG
MS Integration Params: RTEINT.P
Quant Time: Jul 17 17:49 2019

Vial: 16
Operator: RJP
Inst : MSD #1
Multiplr: 1.00

Quant Results File: A717_1UG.RES

Method : C:\HPCHEM\1\METHODS\A717_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed Jul 17 21:42:36 2019
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AQ071707.D



Centek Laboratories, LLC

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AQ071711.D Vial: 17
Acq On : 17 Jul 2019 5:20 pm Operator: RJP
Sample : A1UG_0.15 Inst : MSD #1
Misc : A717_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 17 17:49:27 2019 Quant Results File: A717_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A717_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed Jul 17 15:13:08 2019
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AQ071707.D
DataAcq Meth : 1UG_ENT

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	10.16	128	40316	1.00	ppb		0.00
35) 1,4-difluorobenzene	12.43	114	175046	1.00	ppb		0.00
50) Chlorobenzene-d5	17.20	117	127753m	1.00	ppb		0.00
System Monitoring Compounds							
65) Bromofluorobenzene	18.94	95	74518	0.97	ppb		0.00
Spiked Amount 1.000	Range 70 - 130		Recovery = 97.00%				
Target Compounds							Qvalue
2) Propylene	4.38	41	5639m	0.16	ppb		
3) Freon 12	4.42	85	26269	0.17	ppb		97
4) Chloromethane	4.64	50	6933	0.18	ppb		82
5) Freon 114	4.63	85	22626	0.17	ppb		92
6) Vinyl Chloride	4.84	62	6779	0.18	ppb		87
7) Butane	4.95	43	8774	0.19	ppb	#	92
8) 1,3-butadiene	4.95	39	5616m	0.18	ppb		
9) Bromomethane	5.32	94	9383	0.18	ppb		100
10) Chloroethane	5.50	64	2462	0.14	ppb		91
11) Ethanol	5.60	45	11708m	0.44	ppb		
12) Acrolein	6.20	56	3086m	0.17	ppb		
13) Vinyl Bromide	5.84	106	10784	0.18	ppb		96
14) Freon 11	6.13	101	28193	0.18	ppb		94
15) Acetone	6.31	58	6345	0.21	ppb		85
16) Pentane	6.42	42	10570	0.18	ppb		98
17) Isopropyl alcohol	6.42	45	25246m	0.24	ppb		
18) 1,1-dichloroethene	6.91	96	8720	0.16	ppb		96
19) Freon 113	7.12	101	21302	0.17	ppb		96
20) t-Butyl alcohol	7.17	59	14619	0.16	ppb	#	80
21) Methylene chloride	7.38	84	9098	0.17	ppb		95
22) Allyl chloride	7.37	41	9136	0.15	ppb		89
23) Carbon disulfide	7.55	76	26702	0.17	ppb		98
24) trans-1,2-dichloroethene	8.33	61	12364	0.16	ppb		97
25) methyl tert-butyl ether	8.37	73	17141	0.15	ppb	#	60
26) 1,1-dichloroethane	8.77	63	16047	0.17	ppb		100
27) Vinyl acetate	8.75	43	17181	0.16	ppb		99
28) Methyl Ethyl Ketone	9.28	72	4566	0.18	ppb	#	1
29) cis-1,2-dichloroethene	9.71	61	11529	0.17	ppb		98
30) Hexane	9.30	57	12120	0.16	ppb		91
31) Ethyl acetate	9.87	43	30681m	0.22	ppb		
32) Chloroform	10.32	83	20221	0.17	ppb		95
33) Tetrahydrofuran	10.53	42	7795	0.16	ppb		91
34) 1,2-dichloroethane	11.43	62	11485	0.16	ppb		98
36) 1,1,1-trichloroethane	11.15	97	18068	0.16	ppb		98
37) Cyclohexane	11.85	56	11659	0.17	ppb	#	79
38) Carbon tetrachloride	11.79	117	20574	0.16	ppb		97
39) Benzene	11.76	78	26438	0.17	ppb		96
40) Methyl methacrylate	13.30	41	10674	0.16	ppb		91
41) 1,4-dioxane	13.36	88	5288	0.16	ppb		96
42) 2,2,4-trimethylpentane	12.60	57	35439	0.16	ppb		94
43) Heptane	12.94	43	12403	0.15	ppb		96
44) Trichloroethene	13.08	130	12079	0.15	ppb		93
45) 1,2-dichloropropane	13.17	63	10458	0.16	ppb		92

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AQ071711.D Vial: 17
Acq On : 17 Jul 2019 5:20 pm Operator: RJP
Sample : A1UG_0.15 Inst : MSD #1
Misc : A717_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 17 17:49:27 2019 Quant Results File: A717_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A717_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed Jul 17 15:13:08 2019
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AQ071707.D
DataAcq Meth : 1UG_ENT

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46)	Bromodichloromethane	13.51	83	20246	0.16	ppb		100
47)	cis-1,3-dichloropropene	14.32	75	13012	0.14	ppb		95
48)	trans-1,3-dichloropropene	15.07	75	9430m	0.13	ppb		
49)	1,1,2-trichloroethane	15.41	97	11698	0.16	ppb		94
51)	Toluene	15.17	92	14177	0.15	ppb		100
52)	Methyl Isobutyl Ketone	14.23	43	17907	0.17	ppb		98
53)	Dibromochloromethane	16.14	129	19285	0.16	ppb		100
54)	Methyl Butyl Ketone	15.59	43	12515m	0.14	ppb		
55)	1,2-dibromoethane	16.41	107	16344	0.16	ppb		97
56)	Tetrachloroethylene	16.24	164	11523	0.16	ppb		100
57)	Chlorobenzene	17.26	112	21089	0.16	ppb		96
58)	Ethylbenzene	17.52	91	24734	0.14	ppb		100
59)	m&p-xylene	17.71	91	36488	0.26	ppb		99
60)	Nonane	18.13	43	12138	0.13	ppb		89
61)	Styrene	18.19	104	13866m	0.12	ppb		
62)	Bromoform	18.31	173	16838	0.16	ppb		92
63)	o-xylene	18.22	91	21033	0.13	ppb		100
64)	Cumene	18.82	105	25214	0.13	ppb	#	98
66)	1,1,2,2-tetrachloroethane	18.69	83	24312	0.17	ppb		98
67)	Propylbenzene	19.40	120	6771	0.13	ppb		67
68)	2-Chlorotoluene	19.45	126	8027	0.13	ppb	#	66
69)	4-ethyltoluene	19.58	105	24240m	0.12	ppb		
70)	1,3,5-trimethylbenzene	19.65	105	22010	0.13	ppb		97
71)	1,2,4-trimethylbenzene	20.14	105	17587	0.12	ppb		95
72)	1,3-dichlorobenzene	20.47	146	18418	0.14	ppb		97
73)	benzyl chloride	20.55	91	14782m	0.15	ppb		
74)	1,4-dichlorobenzene	20.62	146	16751	0.13	ppb		99
75)	1,2,3-trimethylbenzene	20.67	105	19548	0.11	ppb		95
76)	1,2-dichlorobenzene	20.98	146	18527	0.14	ppb		98
78)	Naphthalene	23.34	128	18238m	0.09	ppb		
79)	Hexachloro-1,3-butadiene	23.46	225	19339	0.17	ppb		96

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

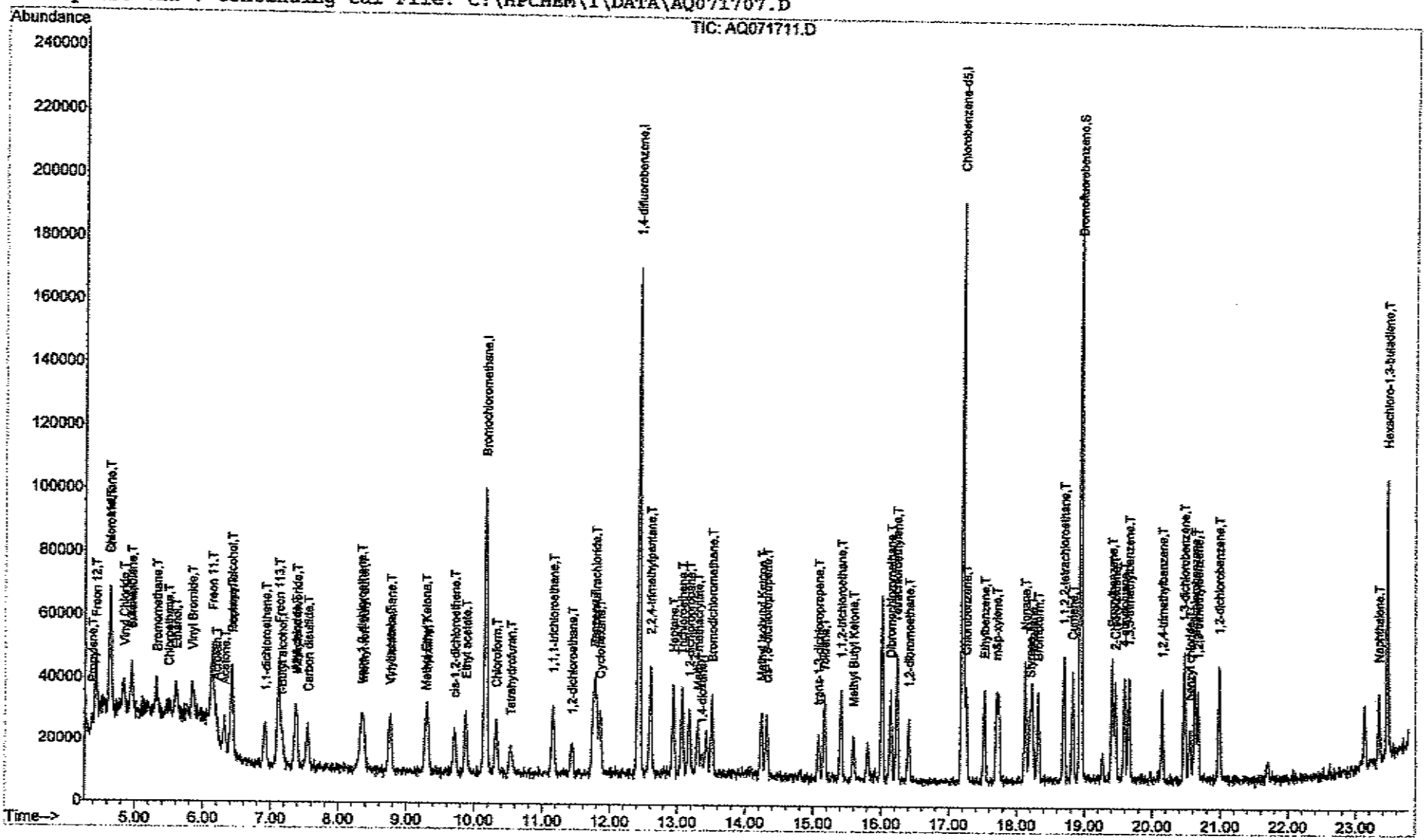
Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AQ071711.D
Acq On : 17 Jul 2019 5:20 pm
Sample : A1UG_0.15
Misc : A717_1UG
MS Integration Params: RTEINT.P
Quant Time: Jul 17 17:52 2019

Vial: 17
Operator: RJP
Inst : MSD #1
Multiplr: 1.00

Quant Results File: A717_1UG.RES

Method : C:\HPCHEM\1\METHODS\A717_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed Jul 17 21:42:36 2019
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AQ071707.D



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Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AQ071712.D Vial: 18
Acq On : 17 Jul 2019 6:10 pm Operator: RJP
Sample : A1UG_0.10 Inst : MSD #1
Misc : A717_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 17 21:29:17 2019 Quant Results File: A717_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A717_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed Jul 17 15:13:08 2019
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AQ071707.D
DataAcq Meth : 1UG_ENT

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	10.15	128	38873	1.00	ppb	0.00
35) 1,4-difluorobenzene	12.43	114	164445	1.00	ppb	0.00
50) Chlorobenzene-d5	17.19	117	122000	1.00	ppb	0.00
System Monitoring Compounds						
65) Bromofluorobenzene	18.93	95	70417	0.96	ppb	0.00
Spiked Amount 1.000	Range 70 - 130		Recovery = 96.00%			
Target Compounds						Qvalue
6) Vinyl Chloride	4.84	62	3773m	0.10	ppb	
18) 1,1-dichloroethene	6.91	96	5902	0.11	ppb	93
29) cis-1,2-dichloroethene	9.71	61	8306	0.12	ppb	97
38) Carbon tetrachloride	11.79	117	14055	0.12	ppb	97
44) Trichloroethene	13.08	130	8915	0.12	ppb	96
56) Tetrachloroethylene	16.23	164	8026	0.12	ppb	99
78) Naphthalene	23.34	128	12106	0.07	ppb	94

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

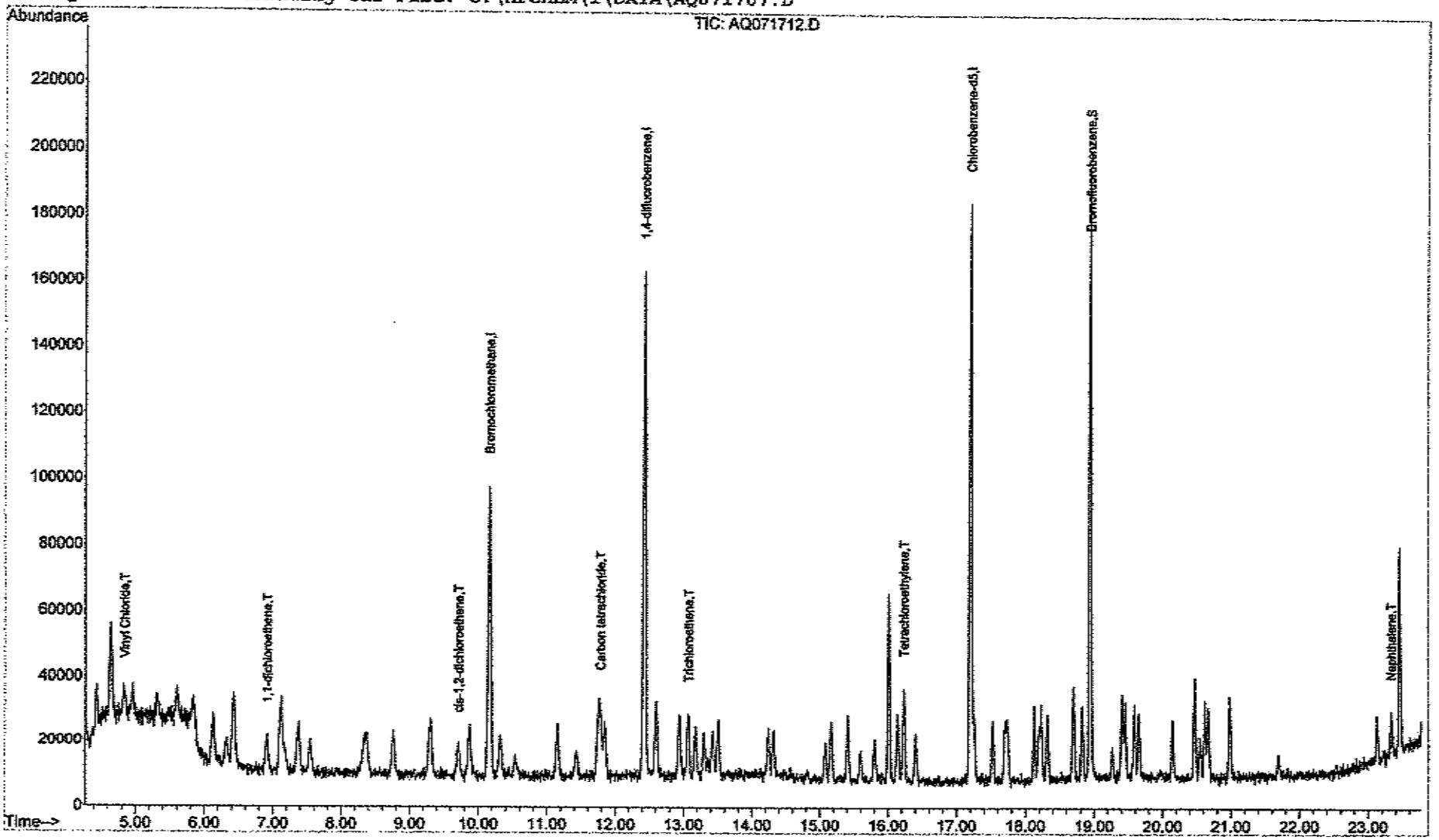
Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AQ071712.D
Acq On : 17 Jul 2019 6:10 pm
Sample : A1UG_0.10
Misc : A717_1UG
MS Integration Params: RTEINT.P
Quant Time: Jul 17 21:33 2019

Vial: 18
Operator: RJP
Inst : MSD #1
Multiplr: 1.00

Quant Results File: A717_1UG.RES

Method : C:\HPCHEM\1\METHODS\A717_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed Jul 17 21:42:36 2019
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AQ071707.D



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Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AQ071713.D Vial: 19
Acq On : 17 Jul 2019 6:59 pm Operator: RJP
Sample : A1UG_0.04 Inst : MSD #1
Misc : A717_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 17 21:30:12 2019 Quant Results File: A717_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A717_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed Jul 17 15:13:08 2019
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AQ071707.D
DataAcq Meth : 1UG_ENT

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	10.16	128	38358	1.00	ppb	0.00
35) 1,4-difluorobenzene	12.42	114	147238	1.00	ppb	0.00
50) Chlorobenzene-d5	17.19	117	119271	1.00	ppb	0.00
System Monitoring Compounds						
65) Bromofluorobenzene	18.94	95	63864	0.89	ppb	0.00
Spiked Amount 1.000	Range 70 - 130		Recovery = 89.00%			
Target Compounds						Qvalue
6) Vinyl Chloride	4.83	62	1991m	0.06	ppb	
18) 1,1-dichloroethene	6.90	96	2225	0.04	ppb	# 67
29) cis-1,2-dichloroethene	9.71	61	3613	0.05	ppb	95
38) Carbon tetrachloride	11.78	117	5922	0.06	ppb	91
44) Trichloroethene	13.06	130	3679	0.06	ppb	96

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

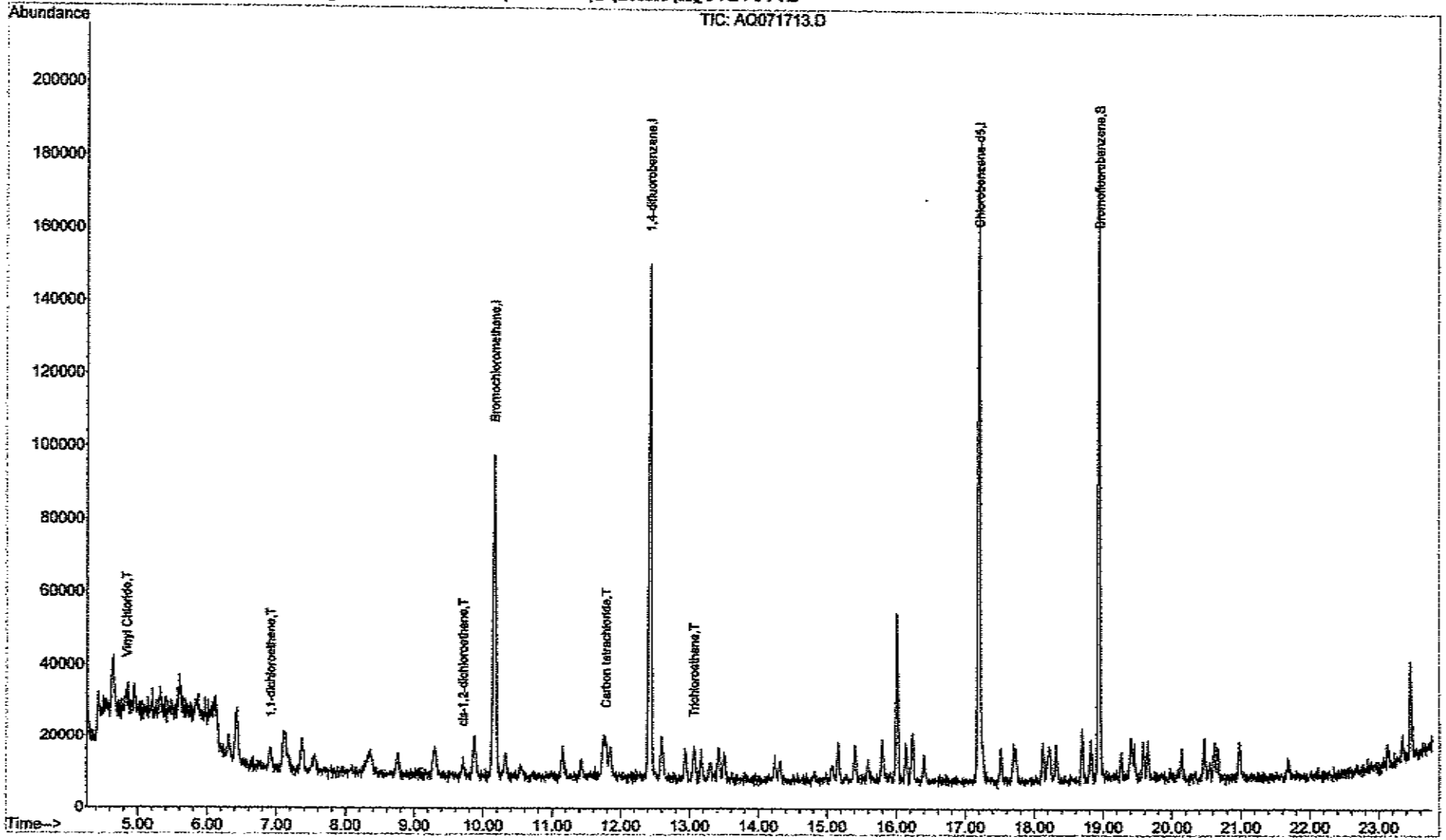
Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AQ071713.D
Acq On : 17 Jul 2019 6:59 pm
Sample : A1UG_0.04
Misc : A717_1UG
MS Integration Params: RTEINT.P
Quant Time: Jul 17 21:34 2019

Vial: 19
Operator: RJP
Inst : MSD #1
Multiplr: 1.00

Quant Results File: A717_1UG.RES

Method : C:\HPCHEM\1\METHODS\A717_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed Jul 17 21:42:36 2019
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AQ071707.D



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Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AQ071714.D Vial: 20
Acq On : 17 Jul 2019 7:47 pm Operator: RJP
Sample : A1UG_0.03 Inst : MSD #1
Misc : A717_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 17 21:30:35 2019 Quant Results File: A717_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A717_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed Jul 17 15:13:08 2019
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AQ071707.D
DataAcq Meth : 1UG_ENT

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	10.15	128	36586	1.00	ppb		-0.01
35) 1,4-difluorobenzene	12.42	114	129301	1.00	ppb		0.00
50) Chlorobenzene-d5	17.19	117	115033	1.00	ppb		0.00
System Monitoring Compounds							
65) Bromofluorobenzene	18.93	95	60246	0.87	ppb		0.00
Spiked Amount 1.000	Range 70 - 130		Recovery = 87.00%				
Target Compounds							Qvalue
38) Carbon tetrachloride	11.79	117	5070	0.05	ppb		98
44) Trichloroethene	13.05	130	2793	0.05	ppb	#	19

(#) = qualifier out of range (m) = manual integration (+) = signals summed
AQ071714.D A717_1UG.M Wed Aug 28 08:37:50 2019 MSD1 Page 1

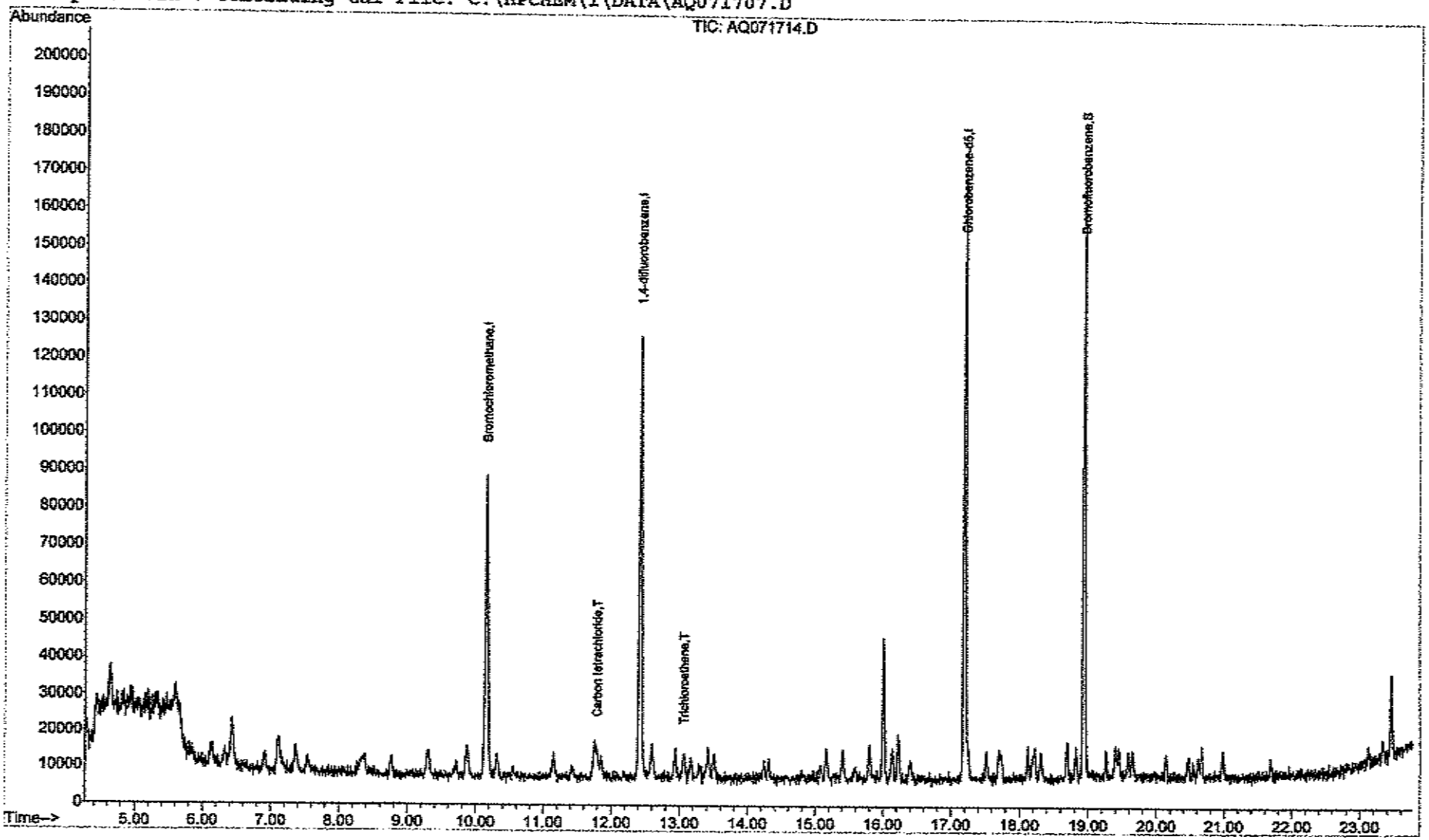
Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AQ071714.D
Acq On : 17 Jul 2019 7:47 pm
Sample : A1UG_0.03
Misc : A717_1UG
MS Integration Params: RTEINT.P
Quant Time: Jul 17 21:36 2019

Vial: 20
Operator: RJP
Inst : MSD #1
Multiplr: 1.00

Quant Results File: A717_1UG.RES

Method : C:\HPCHEM\1\METHODS\A717_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed Jul 17 21:42:36 2019
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AQ071707.D



AQ071714.D A717_1UG.M Wed Aug 28 08:37:51 2019 MSD1

Centek Laboratories, LLC

GC/MS VOLATILES-WHOLE AIR

METHOD TO-15

CALIBRATION VERIFICATION

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA2\AQ072402.D
Acq On : 24 Jul 2019 12:19 pm
Sample : A1UG_1.0
Misc : A717_1UG
MS Integration Params: RTEINT.P

Vial: 2
Operator: RJP
Inst : MSD #1
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\A717_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed Jul 17 21:42:36 2019
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	79	0.00
2	T	Propylene	0.916	0.693	24.3	64	-0.01
3	T	Freon 12	4.032	3.855	4.4	78	-0.01
4	T	Chloromethane	1.024	0.842	17.8	68	-0.01
5	T	Freon 114	3.396	2.977	12.3	71	0.00
6	T	Vinyl Chloride	1.015	0.834	17.8	70	0.00
7	T	Butane	1.212	0.946	21.9	65	-0.01
8	T	1,3-butadiene	0.817	0.731	10.5	76	-0.02
9	T	Bromomethane	1.351	1.226	9.3	75	-0.01
10	T	Chloroethane	0.448	0.367	18.1	66	-0.02
11	T	Ethanol	0.753	0.493	34.5#	59	-0.01
12	T	Acrolein	0.469	0.275	41.4#	49#	-0.01
13	T	Vinyl Bromide	1.529	1.347	11.9	72	-0.02
14	T	Freon 11	4.050	4.235	-4.6	85	-0.01
15	T	Acetone	0.804	0.643	20.0	67	-0.01
16	T	Pentane	1.501	1.095	27.0	60	-0.01
17	T	Isopropyl alcohol	2.894	2.043	29.4	62	-0.02
18	T	1,1-dichloroethene	1.391	1.294	7.0	77	-0.02
19	T	Freon 113	3.194	3.258	-2.0	83	-0.01
20	t	t-Butyl alcohol	2.277	1.965	13.7	68	0.00
21	T	Methylene chloride	1.325	1.210	8.7	74	-0.02
22	T	Allyl chloride	1.538	1.207	21.5	63	-0.01
23	T	Carbon disulfide	4.108	3.751	8.7	74	-0.01
24	T	trans-1,2-dichloroethene	1.934	1.704	11.9	71	-0.02
25	T	methyl tert-butyl ether	2.945	2.721	7.6	73	0.00
26	T	1,1-dichloroethane	2.475	2.285	7.7	75	0.00
27	T	Vinyl acetate	2.753	1.943	29.4	57	0.00
28	T	Methyl Ethyl Ketone	0.667	0.504	24.4	63	0.00
29	T	cis-1,2-dichloroethene	1.869	1.566	16.2	72	-0.01
30	T	Hexane	1.951	1.534	21.4	63	0.00
31	T	Ethyl acetate	3.755	2.682	28.6	62	0.00
32	T	Chloroform	3.070	3.089	-0.6	81	0.00
33	T	Tetrahydrofuran	1.196	0.862	27.9	56	0.00
34	T	1,2-dichloroethane	1.829	1.867	-2.1	81	0.00
35	I	1,4-difluorobenzene	1.000	1.000	0.0	65	0.00
36	T	1,1,1-trichloroethane	0.671	0.858	-27.9	86	0.00
37	T	Cyclohexane	0.413	0.379	8.2	62	0.00
38	T	Carbon tetrachloride	0.821	1.005	-22.4	91	-0.02
39	T	Benzene	0.950	0.942	0.8	67	-0.01
40	T	Methyl methacrylate	0.393	0.367	6.6	63	0.00
41	T	1,4-dioxane	0.188	0.211	-12.2	72	0.00
42	T	2,2,4-trimethylpentane	1.320	1.244	5.8	63	0.00
43	T	Heptane	0.477	0.428	10.3	59	0.00
44	T	Trichloroethene	0.504	0.569	-12.9	82	-0.01
45	T	1,2-dichloropropane	0.371	0.382	-3.0	68	-0.01
46	T	Bromodichloromethane	0.748	0.916	-22.5	81	0.00
47	T	cis-1,3-dichloropropene	0.530	0.593	-11.9	71	0.00
48	T	trans-1,3-dichloropropene	0.416	0.448	-7.7	69	0.00
49	T	1,1,2-trichloroethane	0.436	0.495	-13.5	75	0.00

(#) = Out of Range

Data File : C:\HPCHEM\1\DATA2\AQ072402.D Vial: 2
Acq On : 24 Jul 2019 12:19 pm Operator: RJP
Sample : A1UG_1.0 Inst : MSD #1
Misc : A717_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\A717_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed Jul 17 21:42:36 2019
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	0.744	0.694	6.7	65	0.00
52	T	Methyl Isobutyl Ketone	0.833	0.650	22.0	57	0.00
53	T	Dibromochloromethane	0.954	1.114	-16.8	84	0.00
54	T	Methyl Butyl Ketone	0.699	0.582	16.7	57	0.00
55	T	1,2-dibromoethane	0.815	0.889	-9.1	79	0.00
56	T	Tetrachloroethylene	0.604	0.687	-13.7	85	0.00
57	T	Chlorobenzene	1.063	1.130	-6.3	76	0.00
58	T	Ethylbenzene	1.432	1.500	-4.7	74	0.00
59	T	m&p-xylene	1.117	1.324	-18.5	84	0.00
60	T	Nonane	0.742	0.729	1.8	69	0.00
61	T	Styrene	0.892	1.073	-20.3	83	0.00
62	T	Bromoform	0.852	1.049	-23.1	89	0.00
63	T	o-xylene	1.258	1.542	-22.6	84	0.00
64	T	Cumene	1.519	1.811	-19.2	85	0.00
65	S	Bromofluorobenzene	0.593	0.729	-22.9	85	0.00
66	T	1,1,2,2-tetrachloroethane	1.161	1.231	-6.0	78	0.00
67	T	Propylbenzene	0.430	0.500	-16.3	83	0.00
68	T	2-Chlorotoluene	0.466	0.599	-28.5	89	0.00
69	T	4-ethyltoluene	1.526	1.923	-26.0	87	0.00
70	T	1,3,5-trimethylbenzene	1.344	1.636	-21.7	84	0.00
71	T	1,2,4-trimethylbenzene	1.148	1.423	-24.0	85	0.00
72	T	1,3-dichlorobenzene	1.020	1.299	-27.4	89	0.00
73	T	benzyl chloride	0.770	0.952	-23.6	89	0.00
74	T	1,4-dichlorobenzene	0.983	1.253	-27.5	89	0.00
75	T	1,2,3-trimethylbenzene	1.298	1.678	-29.3	87	0.00
76	T	1,2-dichlorobenzene	1.007	1.282	-27.3	89	0.01
77	T	1,2,4-trichlorobenzene	0.579	0.696	-20.2	75	0.10
78	T	Naphthalene	1.296	1.342	-3.5	62	0.11
79	T	Hexachloro-1,3-butadiene	0.928	1.327	-43.0#	102	0.11

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AQ072402.D Vial: 2
Acq On : 24 Jul 2019 12:19 pm Operator: RJP
Sample : A1UG_1.0 Inst : MSD #1
Misc : A717_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 24 13:14:04 2019 Quant Results File: A717_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A717_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed Jul 17 21:42:36 2019
Response via : Initial Calibration
DataAcq Meth : 1UG_ENT

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	10.15	128	34258	1.00	ppb		0.00
35) 1,4-difluorobenzene	12.42	114	123105	1.00	ppb		0.00
50) Chlorobenzene-d5	17.19	117	110753	1.00	ppb		0.00
System Monitoring Compounds							
65) Bromofluorobenzene	18.93	95	80772	1.23	ppb		0.00
Spiked Amount 1.000	Range 70 - 130		Recovery = 123.00%				
Target Compounds							Qvalue
2) Propylene	4.36	41	23752	0.76	ppb		87
3) Freon 12	4.42	85	132070	0.96	ppb		100
4) Chloromethane	4.62	50	28840	0.82	ppb		95
5) Freon 114	4.63	85	101985	0.88	ppb		88
6) Vinyl Chloride	4.83	62	28576	0.82	ppb		99
7) Butane	4.94	43	32416	0.78	ppb		93
8) 1,3-butadiene	4.93	39	25048	0.89	ppb		91
9) Bromomethane	5.30	94	42012	0.91	ppb		96
10) Chloroethane	5.48	64	12581	0.82	ppb		99
11) Ethanol	5.58	45	16898m	0.65	ppb		
12) Acrolein	6.18	56	9429m	0.59	ppb		
13) Vinyl Bromide	5.83	106	46153	0.88	ppb		96
14) Freon 11	6.12	101	145096	1.05	ppb		99
15) Acetone	6.30	58	22039	0.80	ppb	#	73
16) Pentane	6.40	42	37506	0.73	ppb		94
17) Isopropyl alcohol	6.40	45	70002m	0.71	ppb		
18) 1,1-dichloroethene	6.90	96	44341	0.93	ppb		96
19) Freon 113	7.10	101	111603	1.02	ppb		93
20) t-Butyl alcohol	7.15	59	67334	0.86	ppb	#	84
21) Methylene chloride	7.37	84	41448	0.91	ppb		99
22) Allyl chloride	7.35	41	41365	0.79	ppb		98
23) Carbon disulfide	7.53	76	128489	0.91	ppb		98
24) trans-1,2-dichloroethene	8.32	61	58378	0.88	ppb		99
25) methyl tert-butyl ether	8.36	73	93206	0.92	ppb		83
26) 1,1-dichloroethane	8.76	63	78292	0.92	ppb		99
27) Vinyl acetate	8.74	43	66575	0.71	ppb		99
28) Methyl Ethyl Ketone	9.26	72	17276	0.76	ppb	#	87
29) cis-1,2-dichloroethene	9.70	61	53655	0.84	ppb		96
30) Hexane	9.30	57	52568	0.79	ppb		87
31) Ethyl acetate	9.86	43	91879m	0.71	ppb		
32) Chloroform	10.32	83	105808	1.01	ppb		99
33) Tetrahydrofuran	10.51	42	29542m	0.72	ppb		
34) 1,2-dichloroethane	11.42	62	63974	1.02	ppb		100
36) 1,1,1-trichloroethane	11.14	97	105676m	1.28	ppb		
37) Cyclohexane	11.84	56	46701	0.92	ppb	#	82
38) Carbon tetrachloride	11.78	117	123691	1.22	ppb		99
39) Benzene	11.75	78	115987	0.99	ppb		98
40) Methyl methacrylate	13.29	41	45225	0.93	ppb		99
41) 1,4-dioxane	13.33	88	26036	1.12	ppb		99
42) 2,2,4-trimethylpentane	12.59	57	153183	0.94	ppb		92
43) Heptane	12.93	43	52741	0.90	ppb		98
44) Trichloroethene	13.06	130	70045	1.13	ppb		95
45) 1,2-dichloropropane	13.17	63	47060	1.03	ppb		99

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AQ072402.D Vial: 2
Acq On : 24 Jul 2019 12:19 pm Operator: RJP
Sample : A1UG_1.0 Inst : MSD #1
Misc : A717_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 24 13:14:04 2019 Quant Results File: A717_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A717_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed Jul 17 21:42:36 2019
Response via : Initial Calibration
DataAcq Meth : 1UG_ENT

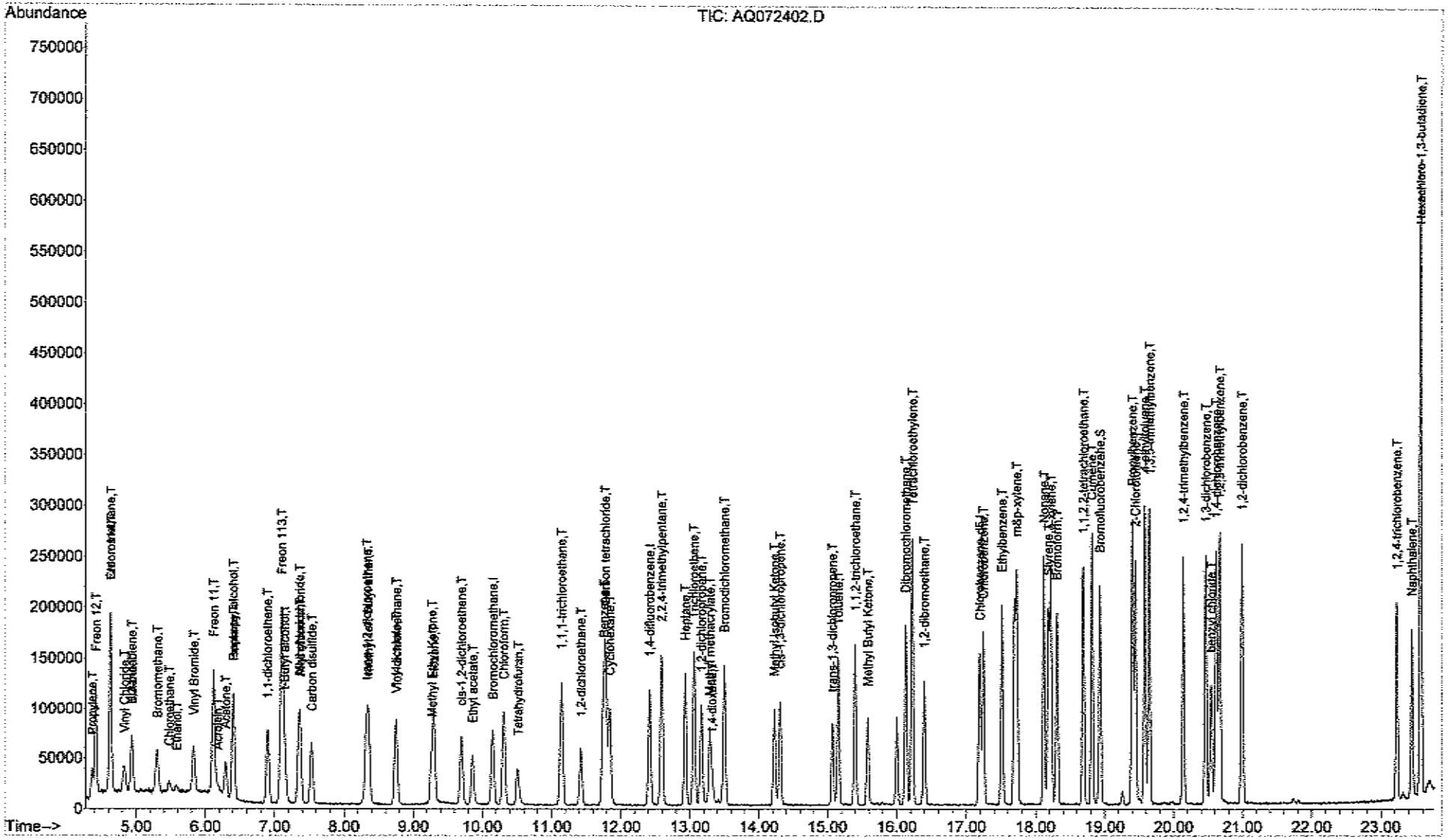
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46)	Bromodichloromethane	13.50	83	112778	1.22	ppb		99
47)	cis-1,3-dichloropropene	14.31	75	72992	1.12	ppb		99
48)	trans-1,3-dichloropropene	15.07	75	55191	1.08	ppb		93
49)	1,1,2-trichloroethane	15.40	97	60953	1.14	ppb		96
51)	Toluene	15.16	92	76899	0.93	ppb		96
52)	Methyl Isobutyl Ketone	14.23	43	71977	0.78	ppb		96
53)	Dibromochloromethane	16.13	129	123382	1.17	ppb		100
54)	Methyl Butyl Ketone	15.58	43	64481	0.83	ppb		92
55)	1,2-dibromoethane	16.39	107	98415	1.09	ppb		99
56)	Tetrachloroethylene	16.22	164	76047	1.14	ppb		99
57)	Chlorobenzene	17.25	112	125183	1.06	ppb		95
58)	Ethylbenzene	17.51	91	166179	1.05	ppb		100
59)	m&p-xylene	17.73	91	293342	2.37	ppb		99
60)	Nonane	18.12	43	80786	0.98	ppb		99
61)	Styrene	18.19	104	118892	1.20	ppb		99
62)	Bromoform	18.31	173	116185	1.23	ppb		96
63)	o-xylene	18.22	91	170733	1.23	ppb		100
64)	Cumene	18.82	105	200623	1.19	ppb		99
66)	1,1,2,2-tetrachloroethane	18.69	83	136347	1.06	ppb		99
67)	Propylbenzene	19.40	120	55342	1.16	ppb		80
68)	2-Chlorotoluene	19.45	126	66387	1.29	ppb	#	54
69)	4-ethyltoluene	19.58	105	212934	1.26	ppb		99
70)	1,3,5-trimethylbenzene	19.64	105	181140m	1.22	ppb		
71)	1,2,4-trimethylbenzene	20.14	105	157603	1.24	ppb		100
72)	1,3-dichlorobenzene	20.47	146	143898	1.27	ppb		97
73)	benzyl chloride	20.55	91	105486	1.24	ppb		98
74)	1,4-dichlorobenzene	20.62	146	138814m	1.27	ppb		
75)	1,2,3-trimethylbenzene	20.67	105	185853m	1.29	ppb		
76)	1,2-dichlorobenzene	20.99	146	141990m	1.27	ppb		
77)	1,2,4-trichlorobenzene	23.23	180	77120	1.20	ppb		99
78)	Naphthalene	23.45	128	148635	1.04	ppb		100
79)	Hexachloro-1,3-butadiene	23.57	225	146996m	1.43	ppb		

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AQ072402.D Vial: 2
Acq On : 24 Jul 2019 12:19 pm Operator: RJP
Sample : A1UG_1.0 Inst : MSD #1
Misc : A717_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 24 13:16 2019 Quant Results File: A717_1UG.RES

Method : C:\HPCHEM\1\METHODS\A717_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed Jul 17 21:42:36 2019
Response via : Initial Calibration



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GC/MS VOLATILES-WHOLE AIR

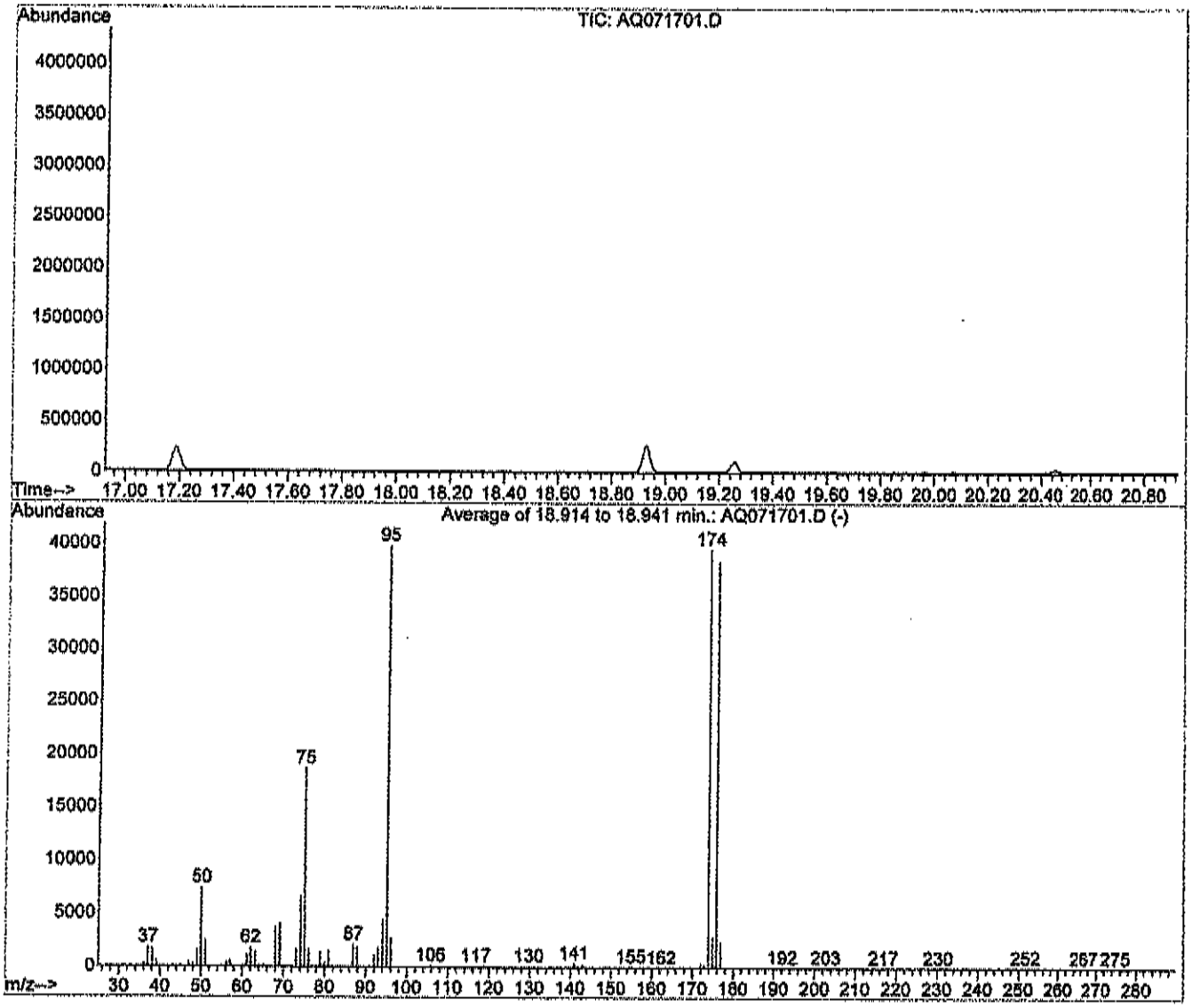
METHOD TO-15

RAW DATA

BFB

Data File : C:\HPCHEM\1\DATA2\AQ071701.D
Acq On : 17 Jul 2019 8:37 am
Sample : BFB1UG
Misc : A620_1UG
MS Integration Params: RTEINT.P
Method : C:\HPCHEM\1\METHODS\A717_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration

Vial: 7
Operator: RJP
Inst : MSD #1
Multiplr: 1.00



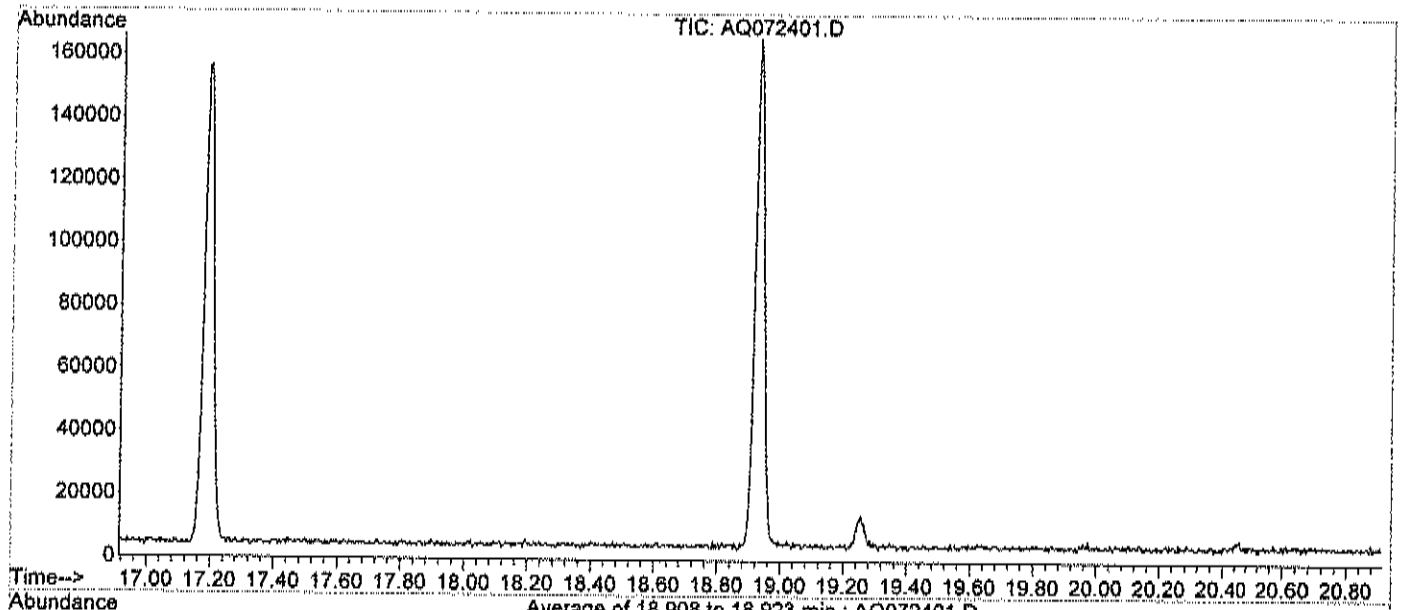
Spectrum Information: Average of 18.914 to 18.941 min.

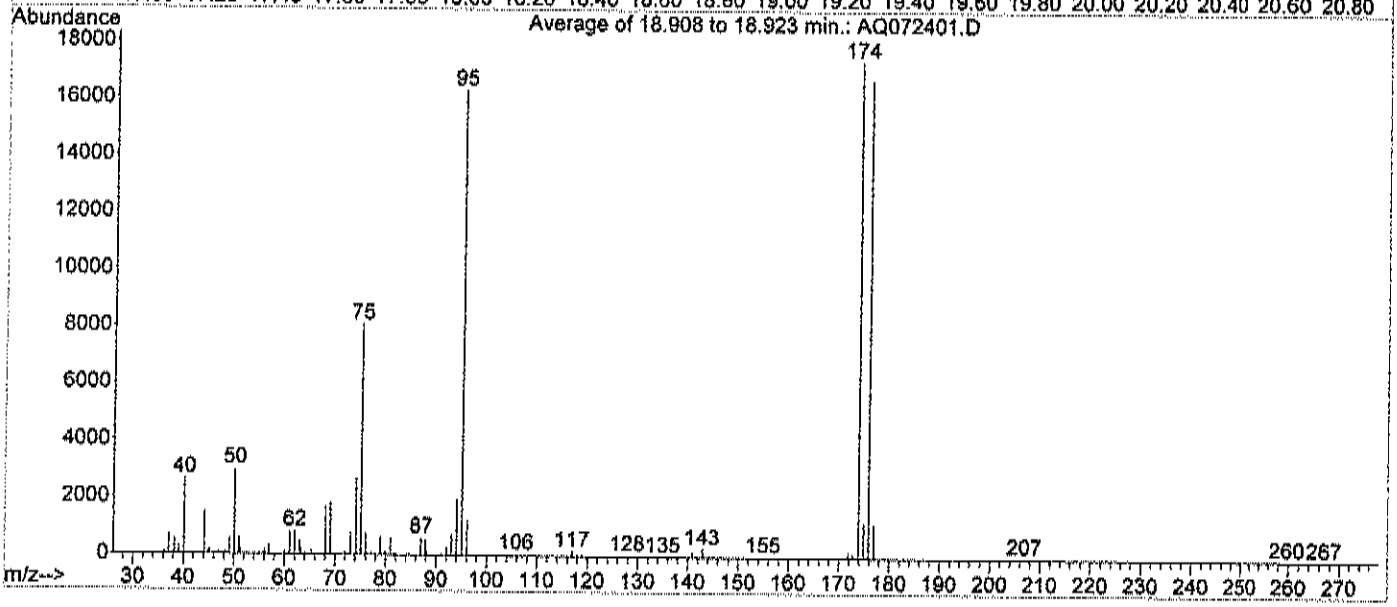
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	18.6	7433	PASS
75	95	30	66	46.9	18732	PASS
95	95	100	100	100.0	39934	PASS
96	95	5	9	6.8	2722	PASS
173	174	0.00	2	0.8	312	PASS
174	95	50	120	99.3	39653	PASS
175	174	4	9	7.4	2934	PASS
176	174	95	101	96.9	38432	PASS
177	176	5	9	6.2	2396	PASS

AQ071701.D A717_1UG.M Wed Aug 28 08:35:49 2019 MSD1

Data File : C:\HPCHEM\1\DATA2\AQ072401.D
Acq On : 24 Jul 2019 11:33 am
Sample : BFB1UG
Misc : A717_1UG
MS Integration Params: RTEINT.P
Method : C:\HPCHEM\1\METHODS\A717_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 18.908 to 18.923 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	18.3	2982	PASS
75	95	30	66	49.6	8088	PASS
95	95	100	100	100.0	16310	PASS
96	95	5	9	7.6	1244	PASS
173	174	0.00	2	0.9	158	PASS
174	95	50	120	106.7	17404	PASS
175	174	4	9	7.2	1249	PASS
176	174	95	101	96.2	16741	PASS
177	176	5	9	7.3	1230	PASS

AQ072401.D A717_1UG.M Fri Aug 30 09:26:22 2019 MSD1

GC/MS VOLATILES-WHOLE AIR

METHOD TO-15

RAW QC DATA

Centek Laboratories, LLC

CENTEK LABORATORIES, LLC

Date: *30-Aug-19*

ANALYTICAL QC SUMMARY REPORT

CLIENT: LaBella Associates, P.C.
Work Order: C1907049
Project: 113-117 Clinton North

TestCode: 0.20_NYS

Sample ID: **AMB1UG-072419** SampType: **MBLK** TestCode: **0.20_NYS** Units: **ppbV** Prep Date: RunNo: **15262**
Client ID: **ZZZZZ** Batch ID: **R15262** TestNo: **TO-15** Analysis Date: **7/24/2019** SeqNo: **174589**

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

Centek Laboratories, LLC

CLIENT: LaBella Associates, P.C.
Work Order: C1907049
Project: 113-117 Clinton North

TestCode: 0.20_NYS

Sample ID: **AMB1UG-072419** SampType: **MBLK** TestCode: **0.20_NYS** Units: **ppbV** Prep Date: RunNo: **15262**
Client ID: **ZZZZZ** Batch ID: **R15262** TestNo: **TO-15** Analysis Date: **7/24/2019** SeqNo: **174689**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Carbon disulfide	< 0.15	0.15									
Carbon tetrachloride	< 0.030	0.030									
Chlorobenzene	< 0.15	0.15									
Chloroethane	< 0.15	0.15									
Chloroform	< 0.15	0.15									
Chloromethane	< 0.15	0.15									
cis-1,2-Dichloroethene	< 0.040	0.040									
cis-1,3-Dichloropropene	< 0.15	0.15									
Cyclohexane	< 0.15	0.15									
Dibromochloromethane	< 0.15	0.15									
Ethyl acetate	< 0.15	0.15									
Ethylbenzene	< 0.15	0.15									
Freon 11	< 0.15	0.15									
Freon 113	< 0.15	0.15									
Freon 114	< 0.15	0.15									
Freon 12	< 0.15	0.15									
Heptane	< 0.15	0.15									
Hexachloro-1,3-butadiene	< 0.15	0.15									
Hexane	< 0.15	0.15									
Isopropyl alcohol	< 0.15	0.15									
m&p-Xylene	< 0.30	0.30									
Methyl Butyl Ketone	< 0.30	0.30									
Methyl Ethyl Ketone	< 0.30	0.30									
Methyl Isobutyl Ketone	< 0.30	0.30									
Methyl tert-butyl ether	< 0.15	0.15									
Methylene chloride	< 0.15	0.15									
o-Xylene	< 0.15	0.15									
Propylene	< 0.15	0.15									
Styrene	< 0.15	0.15									
Tetrachloroethylene	< 0.15	0.15									
Tetrahydrofuran	< 0.15	0.15									

Qualifiers:

.	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				

Sample ID: **AMB1UG-072419** SampType: **MBLK** TestCode: **0.20_NYS** Units: **ppbV** Prep Date: RunNo: **15262**
Client ID: **ZZZZZ** Batch ID: **R15262** TestNo: **TO-15** Analysis Date: **7/24/2019** SeqNo: **174689**

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									

Centek Laboratories, LLC

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AQ072404.D Vial: 2
Acq On : 24 Jul 2019 3:54 pm Operator: RJP
Sample : AMB1UG-072419 Inst : MSD #1
Misc : A717_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 24 19:56:59 2019 Quant Results File: A717_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A717_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed Jul 17 21:42:36 2019
Response via : Initial Calibration
DataAcq Meth : 1UG_ENT

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	10.16	128	34770	1.00	ppb	0.00
35) 1,4-difluorobenzene	12.42	114	127883	1.00	ppb	0.00
50) Chlorobenzene-d5	17.20	117	108499	1.00	ppb	0.00
System Monitoring Compounds						
65) Bromofluorobenzene	18.93	95	58080	0.90	ppb	0.00
Spiked Amount 1.000	Range 70 - 130		Recovery = 90.00%			
Target Compounds						Qvalue

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

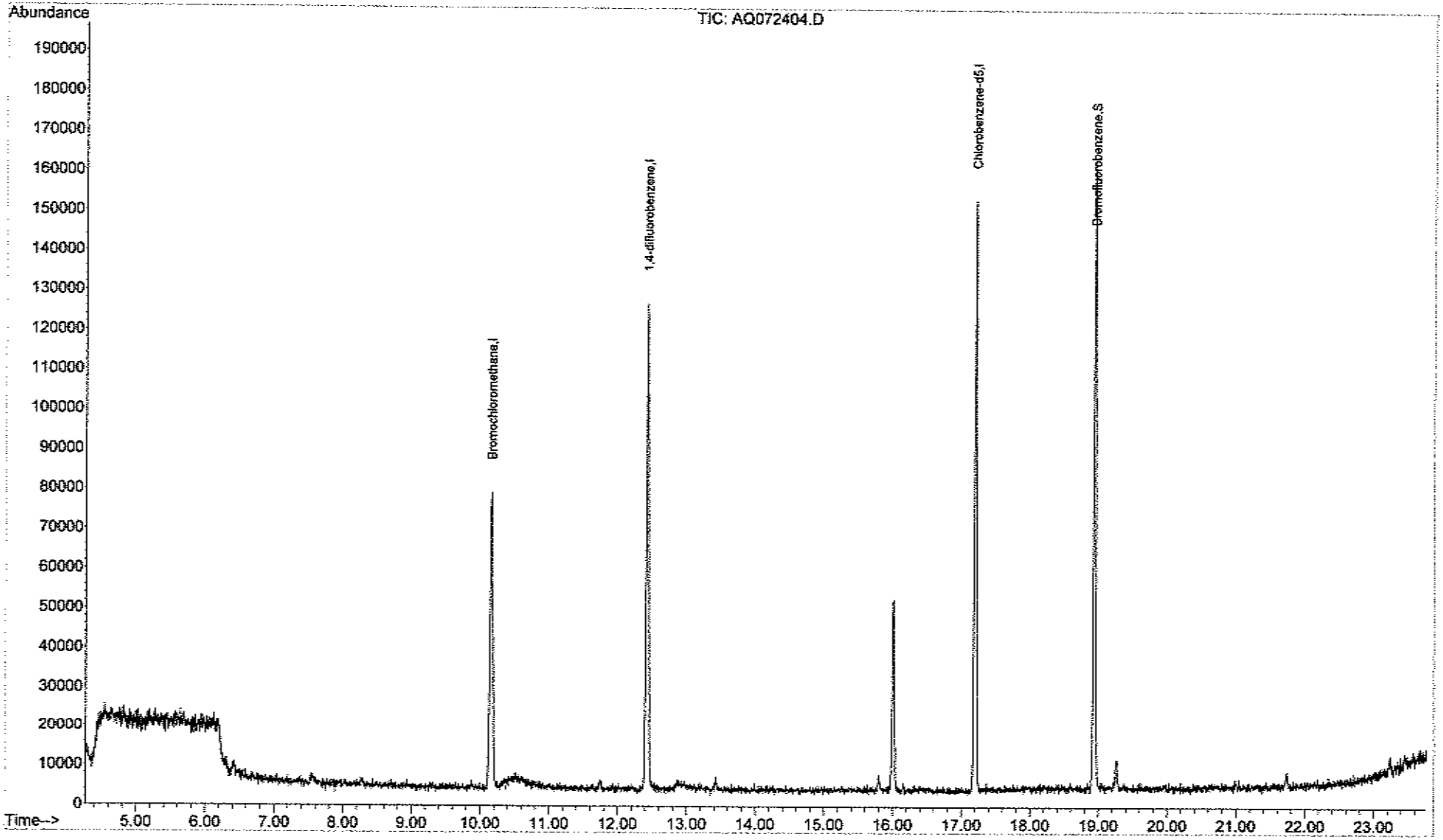
Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AQ072404.D
Acq On : 24 Jul 2019 3:54 pm
Sample : AMB1UG-072419
Misc : A717_1UG
MS Integration Params: RTEINT.P
Quant Time: Jul 26 10:16 2019

Vial: 2
Operator: RJP
Inst : MSD #1
Multiplr: 1.00

Quant Results File: A717_1UG.RES

Method : C:\HPCHEM\1\METHODS\A717_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed Jul 17 21:42:36 2019
Response via : Initial Calibration



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CENTEK LABORATORIES, LLC

Date: *30-Aug-19*

ANALYTICAL QC SUMMARY REPORT

CLIENT: LaBella Associates, P.C.
Work Order: C1907049
Project: 113-117 Clinton North

TestCode: 0.20_NYS

Sample ID: **ALCS1UG-072419** SampType: **LCS** TestCode: **0.20_NYS** Units: **ppbV** Prep Date: RunNo: **15262**
Client ID: **ZZZZZ** Batch ID: **R15262** TestNo: **TO-15** Analysis Date: **7/24/2019** SeqNo: **174690**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	1.290	0.15	1	0	129	70	130				
1,1,2,2-Tetrachloroethane	0.9900	0.15	1	0	99.0	70	130				
1,1,2-Trichloroethane	1.070	0.15	1	0	107	70	130				
1,1-Dichloroethane	0.8600	0.15	1	0	86.0	70	130				
1,1-Dichloroethene	0.9300	0.040	1	0	93.0	70	130				
1,2,4-Trichlorobenzene	1.220	0.15	1	0	122	70	130				
1,2,4-Trimethylbenzene	1.190	0.15	1	0	119	70	130				
1,2-Dibromoethane	1.030	0.15	1	0	103	70	130				
1,2-Dichlorobenzene	1.230	0.15	1	0	123	70	130				
1,2-Dichloroethane	0.9700	0.15	1	0	97.0	70	130				
1,2-Dichloropropane	0.9700	0.15	1	0	97.0	70	130				
1,3,5-Trimethylbenzene	1.190	0.15	1	0	119	70	130				
1,3-butadiene	0.7800	0.15	1	0	78.0	70	130				
1,3-Dichlorobenzene	1.180	0.15	1	0	118	70	130				
1,4-Dichlorobenzene	1.240	0.15	1	0	124	70	130				
1,4-Dioxane	1.010	0.30	1	0	101	70	130				
2,2,4-trimethylpentane	0.9200	0.15	1	0	92.0	70	130				
4-ethyltoluene	1.180	0.15	1	0	118	70	130				
Acetone	0.7300	0.30	1	0	73.0	70	130				
Allyl chloride	0.7800	0.15	1	0	78.0	70	130				
Benzene	0.9700	0.15	1	0	97.0	70	130				
Benzyl chloride	1.210	0.15	1	0	121	70	130				
Bromodichloromethane	1.140	0.15	1	0	114	70	130				
Bromoform	1.130	0.15	1	0	113	70	130				
Bromomethane	0.7800	0.15	1	0	78.0	70	130				

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

CLIENT: LaBella Associates, P.C.
Work Order: C1907049
Project: 113-117 Clinton North

TestCode: 0.20_NYS

Sample ID: **ALCS1UG-072419** SampType: **LCS** TestCode: **0.20_NYS** Units: **ppbV** Prep Date: RunNo: **15262**
Client ID: **ZZZZZ** Batch ID: **R15262** TestNo: **TO-15** Analysis Date: **7/24/2019** SeqNo: **174690**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Carbon disulfide	0.8400	0.15	1	0	84.0	70	130				
Carbon tetrachloride	1.160	0.030	1	0	116	70	130				
Chlorobenzene	1.020	0.15	1	0	102	70	130				
Chloroethane	0.7400	0.15	1	0	74.0	70	130				
Chloroform	0.9800	0.15	1	0	98.0	70	130				
Chloromethane	0.7200	0.15	1	0	72.0	70	130				
cis-1,2-Dichloroethene	0.8500	0.040	1	0	85.0	70	130				
cis-1,3-Dichloropropene	1.070	0.15	1	0	107	70	130				
Cyclohexane	0.9100	0.15	1	0	91.0	70	130				
Dibromochloromethane	1.080	0.15	1	0	108	70	130				
Ethyl acetate	0.7300	0.15	1	0	73.0	70	130				
Ethylbenzene	1.030	0.15	1	0	103	70	130				
Freon 11	1.020	0.15	1	0	102	70	130				
Freon 113	0.9700	0.15	1	0	97.0	70	130				
Freon 114	0.7900	0.15	1	0	79.0	70	130				
Freon 12	0.9200	0.15	1	0	92.0	70	130				
Heptane	0.8500	0.15	1	0	85.0	70	130				
Hexachloro-1,3-butadiene	1.370	0.15	1	0	137	70	130				S
Hexane	0.8200	0.15	1	0	82.0	70	130				
Isopropyl alcohol	0.7100	0.15	1	0	71.0	70	130				
m&p-Xylene	2.250	0.30	2	0	112	70	130				
Methyl Butyl Ketone	0.7800	0.30	1	0	78.0	70	130				
Methyl Ethyl Ketone	0.7900	0.30	1	0	79.0	70	130				
Methyl Isobutyl Ketone	0.7600	0.30	1	0	76.0	70	130				
Methyl tert-butyl ether	1.010	0.15	1	0	101	70	130				
Methylene chloride	0.8600	0.15	1	0	86.0	70	130				
o-Xylene	1.140	0.15	1	0	114	70	130				
Propylene	0.8200	0.15	1	0	82.0	70	130				
Styrene	1.140	0.15	1	0	114	70	130				
Tetrachloroethylene	1.080	0.15	1	0	108	70	130				
Tetrahydrofuran	0.7700	0.15	1	0	77.0	70	130				

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

Centek Laboratories, LLC

Sample ID: **ALCS1UG-072419** SampType: **LCS** TestCode: **0.20_NYS** Units: **ppbV** Prep Date: RunNo: **15262**
Client ID: **ZZZZZ** Batch ID: **R15262** TestNo: **TO-15** Analysis Date: **7/24/2019** SeqNo: **174690**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	0.9000	0.15	1	0	90.0	70	130				
trans-1,2-Dichloroethene	0.8900	0.15	1	0	89.0	70	130				
trans-1,3-Dichloropropene	1.030	0.15	1	0	103	70	130				
Trichloroethene	1.050	0.030	1	0	105	70	130				
Vinyl acetate	0.7600	0.15	1	0	76.0	70	130				
Vinyl Bromide	0.8300	0.15	1	0	83.0	70	130				
Vinyl chloride	0.7500	0.040	1	0	75.0	70	130				

Sample ID: **ALCS1UGD-072419** SampType: **LCSD** TestCode: **0.20_NYS** Units: **ppbV** Prep Date: RunNo: **15262**
Client ID: **ZZZZZ** Batch ID: **R15262** TestNo: **TO-15** Analysis Date: **7/25/2019** SeqNo: **174691**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	1.280	0.15	1	0	128	70	130	1.29	0.778	30	
1,1,2,2-Tetrachloroethane	1.040	0.15	1	0	104	70	130	0.99	4.93	30	
1,1,2-Trichloroethane	1.110	0.15	1	0	111	70	130	1.07	3.67	30	
1,1-Dichloroethane	0.9100	0.15	1	0	91.0	70	130	0.86	5.65	30	
1,1-Dichloroethene	0.9100	0.040	1	0	91.0	70	130	0.93	2.17	30	
1,2,4-Trichlorobenzene	1.240	0.15	1	0	124	70	130	1.22	1.63	30	
1,2,4-Trimethylbenzene	1.170	0.15	1	0	117	70	130	1.19	1.69	30	
1,2-Dibromoethane	1.040	0.15	1	0	104	70	130	1.03	0.966	30	
1,2-Dichlorobenzene	1.270	0.15	1	0	127	70	130	1.23	3.20	30	
1,2-Dichloroethane	1.010	0.15	1	0	101	70	130	0.97	4.04	30	
1,2-Dichloropropane	0.9800	0.15	1	0	98.0	70	130	0.97	1.03	30	
1,3,5-Trimethylbenzene	1.270	0.15	1	0	127	70	130	1.19	6.50	30	
1,3-butadiene	0.8800	0.15	1	0	88.0	70	130	0.78	12.0	30	
1,3-Dichlorobenzene	1.230	0.15	1	0	123	70	130	1.18	4.15	30	
1,4-Dichlorobenzene	1.270	0.15	1	0	127	70	130	1.24	2.39	30	
1,4-Dioxane	1.060	0.30	1	0	106	70	130	1.01	4.83	30	
2,2,4-trimethylpentane	0.9100	0.15	1	0	91.0	70	130	0.92	1.09	30	
4-ethyltoluene	1.210	0.15	1	0	121	70	130	1.18	2.51	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
H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits

Centek Laboratories, LLC

Centek Laboratories, LLC

CLIENT: LaBella Associates, P.C.
Work Order: C1907049
Project: 113-117 Clinton North

TestCode: 0.20_NYS

Sample ID: **ALCS1UGD-072419** SampType: **LCSD** TestCode: **0.20_NYS** Units: **ppbV** Prep Date: RunNo: **15262**
Client ID: **ZZZZZ** Batch ID: **R15262** TestNo: **TO-15** Analysis Date: **7/25/2019** SeqNo: **174691**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acetone	0.8300	0.30	1	0	83.0	70	130	0.73	12.8	30	
Allyl chloride	0.7800	0.15	1	0	78.0	70	130	0.78	0	30	
Benzene	0.9800	0.15	1	0	98.0	70	130	0.97	1.03	30	
Benzyl chloride	1.190	0.15	1	0	119	70	130	1.21	1.67	30	
Bromodichloromethane	1.200	0.15	1	0	120	70	130	1.14	5.13	30	
Bromoform	1.170	0.15	1	0	117	70	130	1.13	3.48	30	
Bromomethane	0.9200	0.15	1	0	92.0	70	130	0.78	16.5	30	
Carbon disulfide	0.9000	0.15	1	0	90.0	70	130	0.84	6.90	30	
Carbon tetrachloride	1.200	0.030	1	0	120	70	130	1.16	3.39	30	
Chlorobenzene	1.040	0.15	1	0	104	70	130	1.02	1.94	30	
Chloroethane	0.8900	0.15	1	0	89.0	70	130	0.74	18.4	30	
Chloroform	1.010	0.15	1	0	101	70	130	0.98	3.02	30	
Chloromethane	0.8400	0.15	1	0	84.0	70	130	0.72	15.4	30	
cis-1,2-Dichloroethene	0.8200	0.040	1	0	82.0	70	130	0.85	3.59	30	
cis-1,3-Dichloropropene	1.090	0.15	1	0	109	70	130	1.07	1.85	30	
Cyclohexane	0.8900	0.15	1	0	89.0	70	130	0.91	2.22	30	
Dibromochloromethane	1.140	0.15	1	0	114	70	130	1.08	5.41	30	
Ethyl acetate	0.7100	0.15	1	0	71.0	70	130	0.73	2.78	30	
Ethylbenzene	1.030	0.15	1	0	103	70	130	1.03	0	30	
Freon 11	1.110	0.15	1	0	111	70	130	1.02	8.45	30	
Freon 113	1.010	0.15	1	0	101	70	130	0.97	4.04	30	
Freon 114	0.9100	0.15	1	0	91.0	70	130	0.79	14.1	30	
Freon 12	0.9600	0.15	1	0	96.0	70	130	0.92	4.26	30	
Heptane	0.8700	0.15	1	0	87.0	70	130	0.85	2.33	30	
Hexachloro-1,3-butadiene	1.440	0.15	1	0	144	70	130	1.37	4.98	30	S
Hexane	0.8000	0.15	1	0	80.0	70	130	0.82	2.47	30	
Isopropyl alcohol	0.7100	0.15	1	0	71.0	70	130	0.71	0	30	
m&p-Xylene	2.330	0.30	2	0	116	70	130	2.25	3.49	30	
Methyl Butyl Ketone	0.8200	0.30	1	0	82.0	70	130	0.78	5.00	30	
Methyl Ethyl Ketone	0.7700	0.30	1	0	77.0	70	130	0.79	2.56	30	
Methyl Isobutyl Ketone	0.7800	0.30	1	0	78.0	70	130	0.76	2.60	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
H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits

TestCode: 0.20_NYS

Sample ID: **ALCS1UGD-072419** SampType: **LCSD** TestCode: **0.20_NYS** Units: **ppbV** Prep Date: RunNo: **15262**
Client ID: **ZZZZZ** Batch ID: **R15262** TestNo: **TO-15** Analysis Date: **7/25/2019** SeqNo: **174691**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether	0.9200	0.15	1	0	92.0	70	130	1.01	9.33	30	
Methylene chloride	0.9200	0.15	1	0	92.0	70	130	0.86	6.74	30	
o-Xylene	1.190	0.15	1	0	119	70	130	1.14	4.29	30	
Propylene	0.7800	0.15	1	0	78.0	70	130	0.82	5.00	30	
Styrene	1.180	0.15	1	0	118	70	130	1.14	3.45	30	
Tetrachloroethylene	1.110	0.15	1	0	111	70	130	1.08	2.74	30	
Tetrahydrofuran	0.7300	0.15	1	0	73.0	70	130	0.77	5.33	30	
Toluene	0.9200	0.15	1	0	92.0	70	130	0.9	2.20	30	
trans-1,2-Dichloroethene	0.8800	0.15	1	0	88.0	70	130	0.89	1.13	30	
trans-1,3-Dichloropropene	1.030	0.15	1	0	103	70	130	1.03	0	30	
Trichloroethene	1.070	0.030	1	0	107	70	130	1.05	1.89	30	
Vinyl acetate	0.7100	0.15	1	0	71.0	70	130	0.76	6.80	30	
Vinyl Bromide	0.8600	0.15	1	0	86.0	70	130	0.83	3.55	30	
Vinyl chloride	0.8100	0.040	1	0	81.0	70	130	0.75	7.69	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
- H Holding times for preparation or analysis exceeded
- R RPD outside accepted recovery limits

Centek Laboratories, LLC

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AQ072403.D Vial: 1
Acq On : 24 Jul 2019 3:13 pm Operator: RJP
Sample : ALCS1UG-072419 Inst : MSD #1
Misc : A717_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 24 19:56:58 2019 Quant Results File: A717_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A717_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed Jul 17 21:42:36 2019
Response via : Initial Calibration
DataAcq Meth : 1UG_ENT

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	10.16	128	38184	1.00	ppb		0.00
35) 1,4-difluorobenzene	12.42	114	135768	1.00	ppb		0.00
50) Chlorobenzene-d5	17.19	117	123217	1.00	ppb		0.00
System Monitoring Compounds							
65) Bromofluorobenzene	18.93	95	86051	1.18	ppb		0.00
Spiked Amount 1.000	Range 70 - 130		Recovery = 118.00%				
Target Compounds							Qvalue
2) Propylene	4.36	41	28716	0.82	ppb		99
3) Freon 12	4.42	85	141150	0.92	ppb		99
4) Chloromethane	4.62	50	28167	0.72	ppb		93
5) Freon 114	4.63	85	102910	0.79	ppb		86
6) Vinyl Chloride	4.83	62	28942	0.75	ppb		99
7) Butane	4.94	43	33756	0.73	ppb		98
8) 1,3-butadiene	4.94	39	24347	0.78	ppb		91
9) Bromomethane	5.30	94	40267	0.78	ppb		97
10) Chloroethane	5.48	64	12666	0.74	ppb		99
11) Ethanol	5.58	45	11398	0.40	ppb		88
12) Acrolein	6.18	56	12473	0.70	ppb		100
13) Vinyl Bromide	5.83	106	48531	0.83	ppb		99
14) Freon 11	6.12	101	157428	1.02	ppb		98
15) Acetone	6.30	58	22281	0.73	ppb	#	1
16) Pentane	6.41	42	40628	0.71	ppb	#	39
17) Isopropyl alcohol	6.42	45	78280m	0.71	ppb		
18) 1,1-dichloroethene	6.90	96	49183	0.93	ppb		98
19) Freon 113	7.11	101	117727	0.97	ppb		92
20) t-Butyl alcohol	7.14	59	76117	0.88	ppb	#	90
21) Methylene chloride	7.37	84	43553	0.86	ppb		95
22) Allyl chloride	7.35	41	46034	0.78	ppb		98
23) Carbon disulfide	7.54	76	132422	0.84	ppb		100
24) trans-1,2-dichloroethene	8.32	61	65508	0.89	ppb		99
25) methyl tert-butyl ether	8.36	73	113308	1.01	ppb		91
26) 1,1-dichloroethane	8.76	63	81488	0.86	ppb		98
27) Vinyl acetate	8.74	43	80184	0.76	ppb		100
28) Methyl Ethyl Ketone	9.26	72	20112	0.79	ppb		95
29) cis-1,2-dichloroethene	9.70	61	60733	0.85	ppb		97
30) Hexane	9.30	57	61045	0.82	ppb		94
31) Ethyl acetate	9.86	43	104299m	0.73	ppb		
32) Chloroform	10.32	83	115042	0.98	ppb		98
33) Tetrahydrofuran	10.51	42	35276	0.77	ppb		96
34) 1,2-dichloroethane	11.42	62	67914	0.97	ppb		99
36) 1,1,1-trichloroethane	11.16	97	117948m	1.29	ppb		
37) Cyclohexane	11.85	56	51233	0.91	ppb		85
38) Carbon tetrachloride	11.78	117	129048	1.16	ppb		98
39) Benzene	11.75	78	125243	0.97	ppb		97
40) Methyl methacrylate	13.29	41	47748	0.89	ppb		98
41) 1,4-dioxane	13.33	88	25732	1.01	ppb		97
42) 2,2,4-trimethylpentane	12.60	57	165553	0.92	ppb		93
43) Heptane	12.94	43	55180	0.85	ppb		97
44) Trichloroethene	13.06	130	72112	1.05	ppb		96
45) 1,2-dichloropropane	13.17	63	48988	0.97	ppb		98

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AQ072403.D Vial: 1
Acq On : 24 Jul 2019 3:13 pm Operator: RJP
Sample : ALCS1UG-072419 Inst : MSD #1
Misc : A717_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 24 19:56:58 2019 Quant Results File: A717_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A717_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed Jul 17 21:42:36 2019
Response via : Initial Calibration
DataAcq Meth : 1UG_ENT

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46)	Bromodichloromethane	13.50	83	115902	1.14	ppb		98
47)	cis-1,3-dichloropropene	14.31	75	77064	1.07	ppb		97
48)	trans-1,3-dichloropropene	15.07	75	58231	1.03	ppb		95
49)	1,1,2-trichloroethane	15.40	97	63345	1.07	ppb		99
51)	Toluene	15.16	92	82801	0.90	ppb		97
52)	Methyl Isobutyl Ketone	14.23	43	78316	0.76	ppb		97
53)	Dibromochloromethane	16.13	129	127308	1.08	ppb		100
54)	Methyl Butyl Ketone	15.59	43	67085	0.78	ppb		90
55)	1,2-dibromoethane	16.40	107	103055	1.03	ppb		98
56)	Tetrachloroethylene	16.23	164	80050	1.08	ppb		99
57)	Chlorobenzene	17.25	112	133851	1.02	ppb		95
58)	Ethylbenzene	17.51	91	181999	1.03	ppb		100
59)	m&p-xylene	17.73	91	310347	2.25	ppb		100
60)	Nonane	18.12	43	86577	0.95	ppb		97
61)	Styrene	18.19	104	125119	1.14	ppb		99
62)	Bromoform	18.31	173	119048	1.13	ppb		97
63)	o-xylene	18.22	91	176919	1.14	ppb		99
64)	Cumene	18.82	105	212737	1.14	ppb		98
66)	1,1,2,2-tetrachloroethane	18.69	83	141847	0.99	ppb		100
67)	Propylbenzene	19.40	120	61955	1.17	ppb		91
68)	2-Chlorotoluene	19.45	126	67343	1.17	ppb	#	62
69)	4-ethyltoluene	19.58	105	222167	1.18	ppb		98
70)	1,3,5-trimethylbenzene	19.64	105	197808	1.19	ppb		97
71)	1,2,4-trimethylbenzene	20.14	105	168594	1.19	ppb		98
72)	1,3-dichlorobenzene	20.47	146	148704	1.18	ppb		97
73)	benzyl chloride	20.55	91	115085	1.21	ppb		97
74)	1,4-dichlorobenzene	20.62	146	150196	1.24	ppb		97
75)	1,2,3-trimethylbenzene	20.67	105	199650	1.25	ppb		99
76)	1,2-dichlorobenzene	21.00	146	152414	1.23	ppb		98
77)	1,2,4-trichlorobenzene	23.23	180	87257	1.22	ppb		100
78)	Naphthalene	23.45	128	169624	1.06	ppb		99
79)	Hexachloro-1,3-butadiene	23.58	225	156790	1.37	ppb		93

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

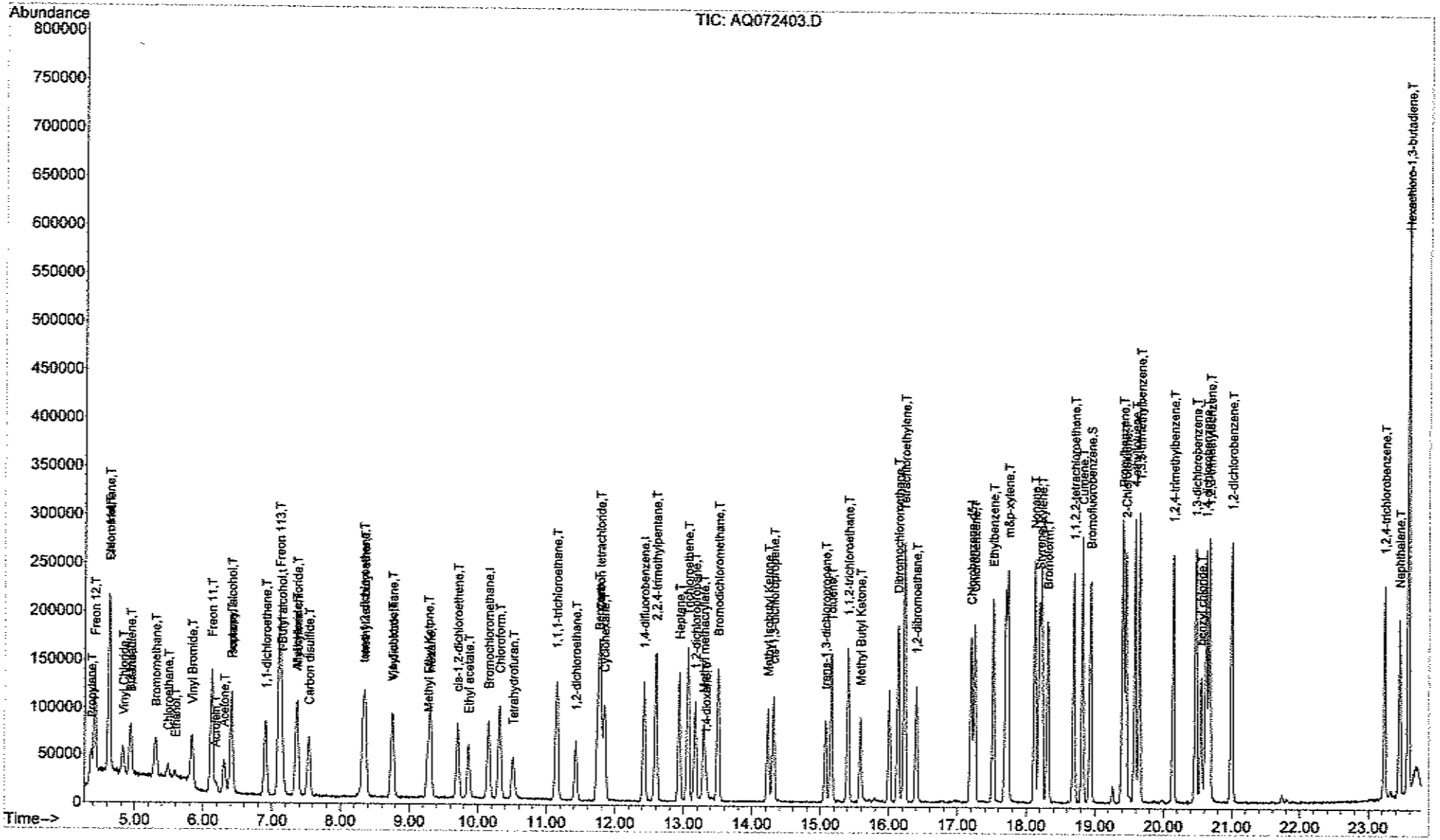
Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AQ072403.D
Acq On : 24 Jul 2019 3:13 pm
Sample : ALCS1UG-072419
Misc : A717_1UG
MS Integration Params: RTEINT.P
Quant Time: Jul 26 10:15 2019

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

Quant Results File: A717_1UG.RES

Method : C:\HPCHEM\1\METHODS\A717_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed Jul 17 21:42:36 2019
Response via : Initial Calibration



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Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AQ072422.D Vial: 19
Acq On : 25 Jul 2019 5:31 am Operator: RJP
Sample : ALCS1UGD-072419 Inst : MSD #1
Misc : A717_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 25 11:40:51 2019 Quant Results File: A717_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A717_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed Jul 17 21:42:36 2019
Response via : Initial Calibration
DataAcq Meth : 1UG_ENT

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	10.15	128	33585	1.00	ppb		-0.01
35) 1,4-difluorobenzene	12.42	114	124139	1.00	ppb		0.00
50) Chlorobenzene-d5	17.19	117	110486	1.00	ppb		0.00
System Monitoring Compounds							
65) Bromofluorobenzene	18.93	95	80994	1.24	ppb		0.00
Spiked Amount 1.000	Range 70 - 130		Recovery = 124.00%				
Target Compounds							Qvalue
2) Propylene	4.36	41	24053	0.78	ppb		91
3) Freon 12	4.42	85	130627	0.96	ppb		99
4) Chloromethane	4.62	50	29024	0.84	ppb		97
5) Freon 114	4.63	85	103330	0.91	ppb		87
6) Vinyl Chloride	4.83	62	27660	0.81	ppb		98
7) Butane	4.94	43	31745	0.78	ppb		93
8) 1,3-butadiene	4.94	39	24234	0.88	ppb		88
9) Bromomethane	5.30	94	41608	0.92	ppb		98
10) Chloroethane	5.48	64	13417	0.89	ppb		100
11) Ethanol	5.59	45	10981	0.43	ppb		95
12) Acrolein	6.18	56	11814	0.75	ppb		95
13) Vinyl Bromide	5.83	106	44229	0.86	ppb		98
14) Freon 11	6.12	101	150768	1.11	ppb		100
15) Acetone	6.29	58	22418	0.83	ppb	#	72
16) Pentane	6.40	42	39127	0.78	ppb		88
17) Isopropyl alcohol	6.41	45	69216m	0.71	ppb		
18) 1,1-dichloroethene	6.90	96	42454	0.91	ppb		93
19) Freon 113	7.10	101	108251	1.01	ppb		92
20) t-Butyl alcohol	7.15	59	62860	0.82	ppb	#	82
21) Methylene chloride	7.37	84	41123	0.92	ppb		98
22) Allyl chloride	7.35	41	40213	0.78	ppb		100
23) Carbon disulfide	7.53	76	123761	0.90	ppb		98
24) trans-1,2-dichloroethene	8.32	61	57401	0.88	ppb		99
25) methyl tert-butyl ether	8.36	73	91264	0.92	ppb		84
26) 1,1-dichloroethane	8.76	63	75877	0.91	ppb		99
27) Vinyl acetate	8.74	43	65936m	0.71	ppb		
28) Methyl Ethyl Ketone	9.27	72	17320	0.77	ppb	#	93
29) cis-1,2-dichloroethene	9.71	61	51611	0.82	ppb		96
30) Hexane	9.30	57	52209	0.80	ppb		89
31) Ethyl acetate	9.86	43	89393m	0.71	ppb		
32) Chloroform	10.31	83	104158	1.01	ppb		100
33) Tetrahydrofuran	10.51	42	29133m	0.73	ppb		
34) 1,2-dichloroethane	11.42	62	61824	1.01	ppb		99
36) 1,1,1-trichloroethane	11.15	97	106510	1.28	ppb		100
37) Cyclohexane	11.84	56	45751	0.89	ppb		85
38) Carbon tetrachloride	11.78	117	122112	1.20	ppb		99
39) Benzene	11.75	78	115459	0.98	ppb		96
40) Methyl methacrylate	13.29	41	44779	0.92	ppb		97
41) 1,4-dioxane	13.33	88	24753	1.06	ppb		97
42) 2,2,4-trimethylpentane	12.59	57	149374	0.91	ppb		90
43) Heptane	12.93	43	51457	0.87	ppb		99
44) Trichloroethene	13.06	130	66667	1.07	ppb		94
45) 1,2-dichloropropane	13.17	63	45331	0.98	ppb		99

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AQ072422.D Vial: 19
Acq On : 25 Jul 2019 5:31 am Operator: RJP
Sample : ALCS1UGD-072419 Inst : MSD #1
Misc : A717_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 25 11:40:51 2019 Quant Results File: A717_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A717_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed Jul 17 21:42:36 2019
Response via : Initial Calibration
DataAcq Meth : 1UG_ENT

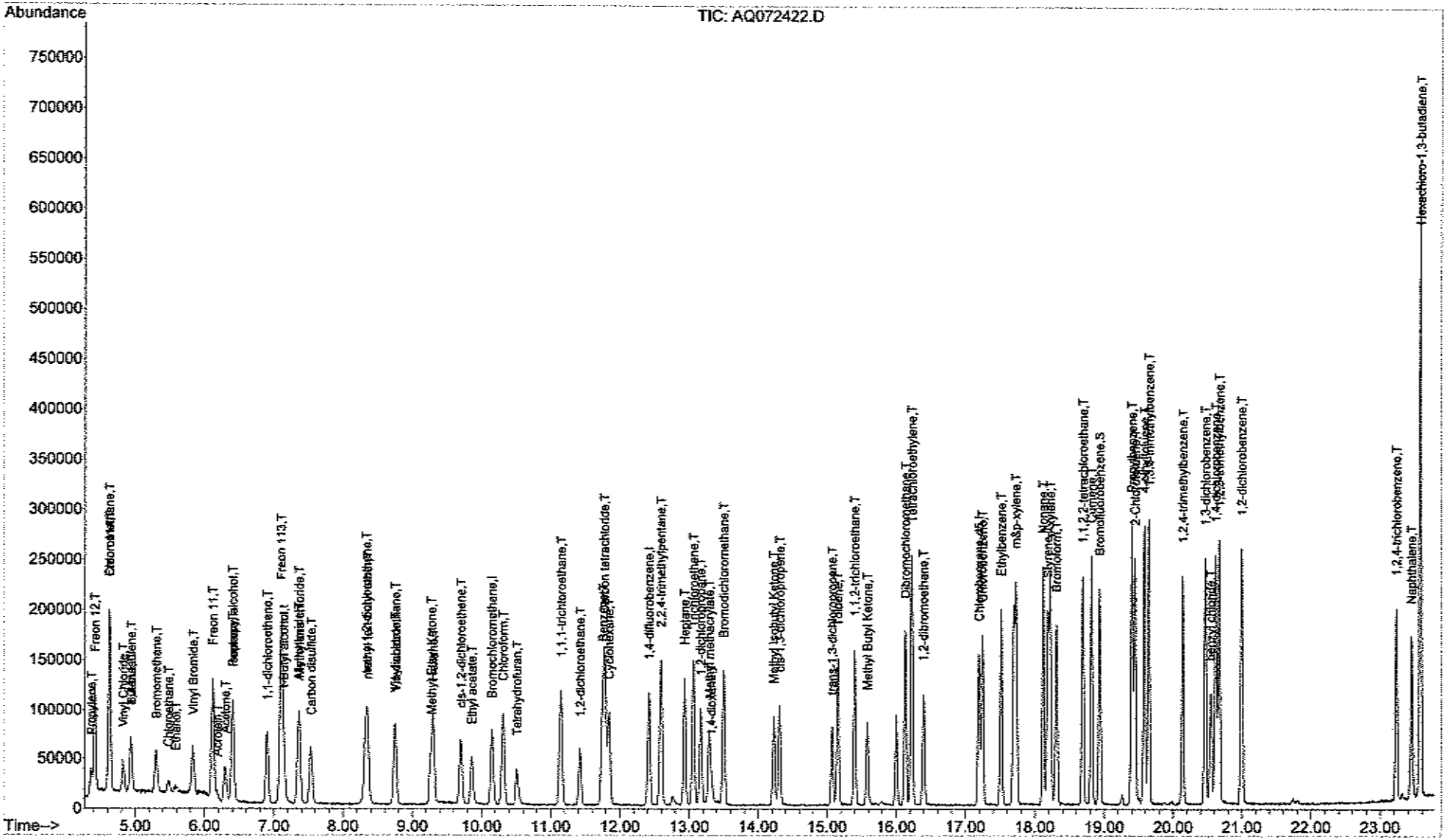
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46)	Bromodichloromethane	13.50	83	111710	1.20	ppb		99
47)	cis-1,3-dichloropropene	14.31	75	71500	1.09	ppb		99
48)	trans-1,3-dichloropropene	15.07	75	52981	1.03	ppb		93
49)	1,1,2-trichloroethane	15.40	97	60194	1.11	ppb		99
51)	Toluene	15.15	92	75733	0.92	ppb		96
52)	Methyl Isobutyl Ketone	14.22	43	71573	0.78	ppb		99
53)	Dibromochloromethane	16.13	129	120406	1.14	ppb		99
54)	Methyl Butyl Ketone	15.58	43	62964	0.82	ppb		93
55)	1,2-dibromoethane	16.39	107	93479	1.04	ppb		98
56)	Tetrachloroethylene	16.23	164	74169	1.11	ppb		99
57)	Chlorobenzene	17.25	112	122335	1.04	ppb		95
58)	Ethylbenzene	17.51	91	163311	1.03	ppb		100
59)	m&p-xylene	17.73	91	287253	2.33	ppb		100
60)	Nonane	18.12	43	79343	0.97	ppb		98
61)	Styrene	18.19	104	116651	1.18	ppb		98
62)	Bromoform	18.31	173	110271	1.17	ppb		98
63)	o-xylene	18.22	91	166006	1.19	ppb		100
64)	Cumene	18.81	105	187018	1.11	ppb		98
66)	1,1,2,2-tetrachloroethane	18.69	83	133087	1.04	ppb		99
67)	Propylbenzene	19.40	120	55225	1.16	ppb		80
68)	2-Chlorotoluene	19.44	126	65194	1.27	ppb	#	56
69)	4-ethyltoluene	19.58	105	203879	1.21	ppb		99
70)	1,3,5-trimethylbenzene	19.64	105	188734	1.27	ppb		98
71)	1,2,4-trimethylbenzene	20.14	105	149038	1.17	ppb		98
72)	1,3-dichlorobenzene	20.47	146	139079	1.23	ppb		98
73)	benzyl chloride	20.54	91	100905	1.19	ppb		96
74)	1,4-dichlorobenzene	20.62	146	137645m	1.27	ppb		
75)	1,2,3-trimethylbenzene	20.67	105	183828m	1.28	ppb		
76)	1,2-dichlorobenzene	20.99	146	141882	1.27	ppb		98
77)	1,2,4-trichlorobenzene	23.23	180	79328	1.24	ppb		100
78)	Naphthalene	23.45	128	149715	1.05	ppb		99
79)	Hexachloro-1,3-butadiene	23.57	225	147445	1.44	ppb		93

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AQ072422.D Vial: 19
Acq On : 25 Jul 2019 5:31 am Operator: RJP
Sample : ALCS1UGD-072419 Inst : MSD #1
Misc : A717_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 26 10:17 2019 Quant Results File: A717_1UG.RES

Method : C:\HPCHEM\1\METHODS\A717_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed Jul 17 21:42:36 2019
Response via : Initial Calibration



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CENTEK LABORATORIES, LLC

Date: *30-Aug-19*

ANALYTICAL QC SUMMARY REPORT

CLIENT: LaBella Associates, P.C.
Work Order: C1907049
Project: 113-117 Clinton North

TestCode: 0.20_NYS

Sample ID: **C1907049-003A MS** SampType: **MS** TestCode: **0.20_NYS** Units: **ppbV** Prep Date: RunNo: **15262**
Client ID: **113-3** Batch ID: **R15262** TestNo: **TO-15** Analysis Date: **7/24/2019** SeqNo: **174695**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	1.160	0.15	1	0	116	70	130				
1,1,2,2-Tetrachloroethane	0.9300	0.15	1	0	93.0	70	130				
1,1,2-Trichloroethane	1.030	0.15	1	0	103	70	130				
1,1-Dichloroethane	0.8100	0.15	1	0	81.0	70	130				
1,1-Dichloroethene	0.9000	0.040	1	0	90.0	70	130				
1,2,4-Trichlorobenzene	1.970	0.15	1	0	197	70	130				S
1,2,4-Trimethylbenzene	2.350	0.15	1	0.9	145	70	130				S
1,2-Dibromoethane	0.9500	0.15	1	0	95.0	70	130				
1,2-Dichlorobenzene	1.250	0.15	1	0	125	70	130				
1,2-Dichloroethane	0.9200	0.15	1	0	92.0	70	130				
1,2-Dichloropropane	0.9000	0.15	1	0	90.0	70	130				
1,3,5-Trimethylbenzene	1.850	0.15	1	0.71	114	70	130				
1,3-butadiene	18.61	0.15	1	0	1860	70	130				S
1,3-Dichlorobenzene	1.260	0.15	1	0	126	70	130				
1,4-Dichlorobenzene	1.290	0.15	1	0	129	70	130				
1,4-Dioxane	0.9100	0.30	1	0	91.0	70	130				
2,2,4-trimethylpentane	1.600	0.15	1	0.7	90.0	70	130				
4-ethyltoluene	1.510	0.15	1	0.21	130	70	130				
Acetone	8.260	0.30	1	6.35	191	70	130				S
Allyl chloride	0.8300	0.15	1	0	83.0	70	130				
Benzene	1.630	0.15	1	0.65	98.0	70	130				
Benzyl chloride	1.210	0.15	1	0	121	70	130				
Bromodichloromethane	1.110	0.15	1	0	111	70	130				
Bromoform	1.030	0.15	1	0	103	70	130				
Bromomethane	0.8000	0.15	1	0	80.0	70	130				

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

Sample ID: **C1907049-003A MS** SampType: **MS** TestCode: **0.20_NYS** Units: **ppbV** Prep Date: RunNo: **15262**
Client ID: **113-3** Batch ID: **R15262** TestNo: **TO-15** Analysis Date: **7/24/2019** SeqNo: **174695**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Carbon disulfide	0.8400	0.15	1	0.11	73.0	70	130				
Carbon tetrachloride	1.180	0.030	1	0.1	108	70	130				
Chlorobenzene	0.9800	0.15	1	0	98.0	70	130				
Chloroethane	0.7400	0.15	1	0	74.0	70	130				
Chloroform	1.710	0.15	1	0.89	82.0	70	130				
Chloromethane	1.480	0.15	1	0.91	57.0	70	130				S
cis-1,2-Dichloroethene	0.8300	0.040	1	0	83.0	70	130				
cis-1,3-Dichloropropene	1.010	0.15	1	0	101	70	130				
Cyclohexane	1.230	0.15	1	0.42	81.0	70	130				
Dibromochloromethane	0.9900	0.15	1	0	99.0	70	130				
Ethyl acetate	0.8200	0.15	1	0.27	55.0	70	130				S
Ethylbenzene	1.440	0.15	1	0.38	106	70	130				
Freon 11	1.160	0.15	1	0.28	88.0	70	130				
Freon 113	0.9800	0.15	1	0	98.0	70	130				
Freon 114	0.8000	0.15	1	0	80.0	70	130				
Freon 12	1.130	0.15	1	0	113	70	130				
Heptane	1.460	0.15	1	0.54	92.0	70	130				
Hexachloro-1,3-butadiene	1.350	0.15	1	0	135	70	130				S
Hexane	2.080	0.15	1	1.43	65.0	70	130				S
Isopropyl alcohol	20.39	0.15	1	16.78	361	70	130				S
m&p-Xylene	3.600	0.30	2	1.41	110	70	130				
Methyl Butyl Ketone	0.8900	0.30	1	0	89.0	70	130				
Methyl Ethyl Ketone	2.200	0.30	1	1.67	53.0	70	130				S
Methyl Isobutyl Ketone	0.8000	0.30	1	0	80.0	70	130				
Methyl tert-butyl ether	0.9500	0.15	1	0	95.0	70	130				
Methylene chloride	1.240	0.15	1	0.44	80.0	70	130				
o-Xylene	1.560	0.15	1	0.51	105	70	130				
Propylene	7.390	0.15	1	0	739	70	130				S
Styrene	1.380	0.15	1	0.28	110	70	130				
Tetrachloroethylene	3.030	0.15	1	1.99	104	70	130				
Tetrahydrofuran	1.460	0.15	1	0	146	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
- H Holding times for preparation or analysis exceeded
- R RPD outside accepted recovery limits

Centek Laboratories, LLC

Sample ID: **C1907049-003A MS** SampType: **MS** TestCode: **0.20_NYS** Units: **ppbV** Prep Date: RunNo: **15262**
Client ID: **113-3** Batch ID: **R15262** TestNo: **TO-15** Analysis Date: **7/24/2019** SeqNo: **174695**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	2.930	0.15	1	2.17	76.0	70	130				
trans-1,2-Dichloroethene	0.8400	0.15	1	0	84.0	70	130				
trans-1,3-Dichloropropene	1.030	0.15	1	0	103	70	130				
Trichloroethene	1.060	0.030	1	0	106	70	130				
Vinyl acetate	0.8900	0.15	1	0	89.0	70	130				
Vinyl Bromide	0.7600	0.15	1	0	76.0	70	130				
Vinyl chloride	0.7300	0.040	1	0	73.0	70	130				

Sample ID: **C1907049-003A MS** SampType: **MSD** TestCode: **0.20_NYS** Units: **ppbV** Prep Date: RunNo: **15262**
Client ID: **113-3** Batch ID: **R15262** TestNo: **TO-15** Analysis Date: **7/24/2019** SeqNo: **174696**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	1.150	0.15	1	0	115	70	130	1.16	0.866	30	
1,1,2,2-Tetrachloroethane	0.9200	0.15	1	0	92.0	70	130	0.93	1.08	30	
1,1,2-Trichloroethane	1.020	0.15	1	0	102	70	130	1.03	0.976	30	
1,1-Dichloroethane	0.8200	0.15	1	0	82.0	70	130	0.81	1.23	30	
1,1-Dichloroethene	0.9000	0.040	1	0	90.0	70	130	0.9	0	30	
1,2,4-Trichlorobenzene	2.010	0.15	1	0	201	70	130	1.97	2.01	30	S
1,2,4-Trimethylbenzene	2.290	0.15	1	0.9	139	70	130	2.35	2.59	30	S
1,2-Dibromoethane	0.9500	0.15	1	0	95.0	70	130	0.95	0	30	
1,2-Dichlorobenzene	1.260	0.15	1	0	126	70	130	1.25	0.797	30	
1,2-Dichloroethane	0.9300	0.15	1	0	93.0	70	130	0.92	1.08	30	
1,2-Dichloropropane	0.8800	0.15	1	0	88.0	70	130	0.9	2.25	30	
1,3,5-Trimethylbenzene	1.820	0.15	1	0.71	111	70	130	1.85	1.63	30	
1,3-butadiene	17.92	0.15	1	0	1790	70	130	18.61	3.78	30	S
1,3-Dichlorobenzene	1.260	0.15	1	0	126	70	130	1.26	0	30	
1,4-Dichlorobenzene	1.290	0.15	1	0	129	70	130	1.29	0	30	
1,4-Dioxane	0.9700	0.30	1	0	97.0	70	130	0.91	6.38	30	
2,2,4-trimethylpentane	1.590	0.15	1	0.7	89.0	70	130	1.6	0.627	30	
4-ethyltoluene	1.550	0.15	1	0.21	134	70	130	1.51	2.61	30	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
- H Holding times for preparation or analysis exceeded
- R RPD outside accepted recovery limits

Centek Laboratories, LLC

Centek Laboratories, LLC

CLIENT: LaBella Associates, P.C.
Work Order: C1907049
Project: 113-117 Clinton North

TestCode: 0.20_NYS

Sample ID: C1907049-003A MS	SampType: MSD	TestCode: 0.20_NYS	Units: ppbV	Prep Date:	RunNo: 15262
Client ID: 113-3	Batch ID: R15262	TestNo: TO-15		Analysis Date: 7/24/2019	SeqNo: 174696

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acetone	7.170	0.30	1	6.35	82.0	70	130	8.26	14.1	30	
Allyl chloride	0.8000	0.15	1	0	80.0	70	130	0.83	3.68	30	
Benzene	1.590	0.15	1	0.65	94.0	70	130	1.63	2.48	30	
Benzyl chloride	1.200	0.15	1	0	120	70	130	1.21	0.830	30	
Bromodichloromethane	1.070	0.15	1	0	107	70	130	1.11	3.67	30	
Bromoform	1.030	0.15	1	0	103	70	130	1.03	0	30	
Bromomethane	0.8400	0.15	1	0	84.0	70	130	0.8	4.88	30	
Carbon disulfide	0.8800	0.15	1	0.11	77.0	70	130	0.84	4.65	30	
Carbon tetrachloride	1.160	0.030	1	0.1	106	70	130	1.18	1.71	30	
Chlorobenzene	0.9500	0.15	1	0	95.0	70	130	0.98	3.11	30	
Chloroethane	0.7400	0.15	1	0	74.0	70	130	0.74	0	30	
Chloroform	1.730	0.15	1	0.89	84.0	70	130	1.71	1.16	30	
Chloromethane	1.460	0.15	1	0.91	55.0	70	130	1.48	1.36	30	S
cis-1,2-Dichloroethene	0.8600	0.040	1	0	86.0	70	130	0.83	3.55	30	
cis-1,3-Dichloropropene	0.9700	0.15	1	0	97.0	70	130	1.01	4.04	30	
Cyclohexane	1.310	0.15	1	0.42	89.0	70	130	1.23	6.30	30	
Dibromochloromethane	1.000	0.15	1	0	100	70	130	0.99	1.01	30	
Ethyl acetate	0.8400	0.15	1	0.27	57.0	70	130	0.82	2.41	30	S
Ethylbenzene	1.430	0.15	1	0.38	105	70	130	1.44	0.697	30	
Freon 11	1.160	0.15	1	0.28	88.0	70	130	1.16	0	30	
Freon 113	0.9800	0.15	1	0	98.0	70	130	0.98	0	30	
Freon 114	0.8000	0.15	1	0	80.0	70	130	0.8	0	30	
Freon 12	1.140	0.15	1	0	114	70	130	1.13	0.881	30	
Heptane	1.410	0.15	1	0.54	87.0	70	130	1.46	3.48	30	
Hexachloro-1,3-butadiene	1.390	0.15	1	0	139	70	130	1.35	2.92	30	S
Hexane	2.080	0.15	1	1.43	65.0	70	130	2.08	0	30	S
Isopropyl alcohol	20.85	0.15	1	16.78	407	70	130	20.39	2.23	30	S
m&p-Xylene	3.600	0.30	2	1.41	110	70	130	3.6	0	30	
Methyl Butyl Ketone	0.9000	0.30	1	0	90.0	70	130	0.89	1.12	30	
Methyl Ethyl Ketone	2.230	0.30	1	1.67	56.0	70	130	2.2	1.35	30	S
Methyl Isobutyl Ketone	0.8400	0.30	1	0	84.0	70	130	0.8	4.88	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
H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits

TestCode: 0.20_NYS

Sample ID: **C1907049-003A MS** SampType: **MSD** TestCode: **0.20_NYS** Units: **ppbV** Prep Date: RunNo: **15262**
Client ID: **113-3** Batch ID: **R15262** TestNo: **TO-15** Analysis Date: **7/24/2019** SeqNo: **174696**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether	0.9700	0.15	1	0	97.0	70	130	0.95	2.08	30	
Methylene chloride	1.250	0.15	1	0.44	81.0	70	130	1.24	0.803	30	
o-Xylene	1.540	0.15	1	0.51	103	70	130	1.56	1.29	30	
Propylene	7.320	0.15	1	0	732	70	130	7.39	0.952	30	S
Styrene	1.380	0.15	1	0.28	110	70	130	1.38	0	30	
Tetrachloroethylene	2.980	0.15	1	1.99	99.0	70	130	3.03	1.66	30	
Tetrahydrofuran	1.430	0.15	1	0	143	70	130	1.46	2.08	30	S
Toluene	2.860	0.15	1	2.17	69.0	70	130	2.93	2.42	30	S
trans-1,2-Dichloroethene	0.8800	0.15	1	0	88.0	70	130	0.84	4.65	30	
trans-1,3-Dichloropropene	1.000	0.15	1	0	100	70	130	1.03	2.96	30	
Trichloroethene	1.040	0.030	1	0	104	70	130	1.06	1.90	30	
Vinyl acetate	0.8800	0.15	1	0	88.0	70	130	0.89	1.13	30	
Vinyl Bromide	0.7600	0.15	1	0	76.0	70	130	0.76	0	30	
Vinyl chloride	0.7500	0.040	1	0	75.0	70	130	0.73	2.70	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
- H Holding times for preparation or analysis exceeded
- R RPD outside accepted recovery limits

Centek Laboratories, LLC

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AQ072404.D Vial: 2
Acq On : 24 Jul 2019 3:54 pm Operator: RJP
Sample : AMB1UG-072419 Inst : MSD #1
Misc : A717_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 24 19:56:59 2019 Quant Results File: A717_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A717_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed Jul 17 21:42:36 2019
Response via : Initial Calibration
DataAcq Meth : 1UG_ENT

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	10.16	128	34770	1.00	ppb	0.00
35) 1,4-difluorobenzene	12.42	114	127883	1.00	ppb	0.00
50) Chlorobenzene-d5	17.20	117	108499	1.00	ppb	0.00
System Monitoring Compounds						
65) Bromofluorobenzene	18.93	95	58080	0.90	ppb	0.00
Spiked Amount 1.000	Range 70 - 130		Recovery = 90.00%			
Target Compounds						Qvalue

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

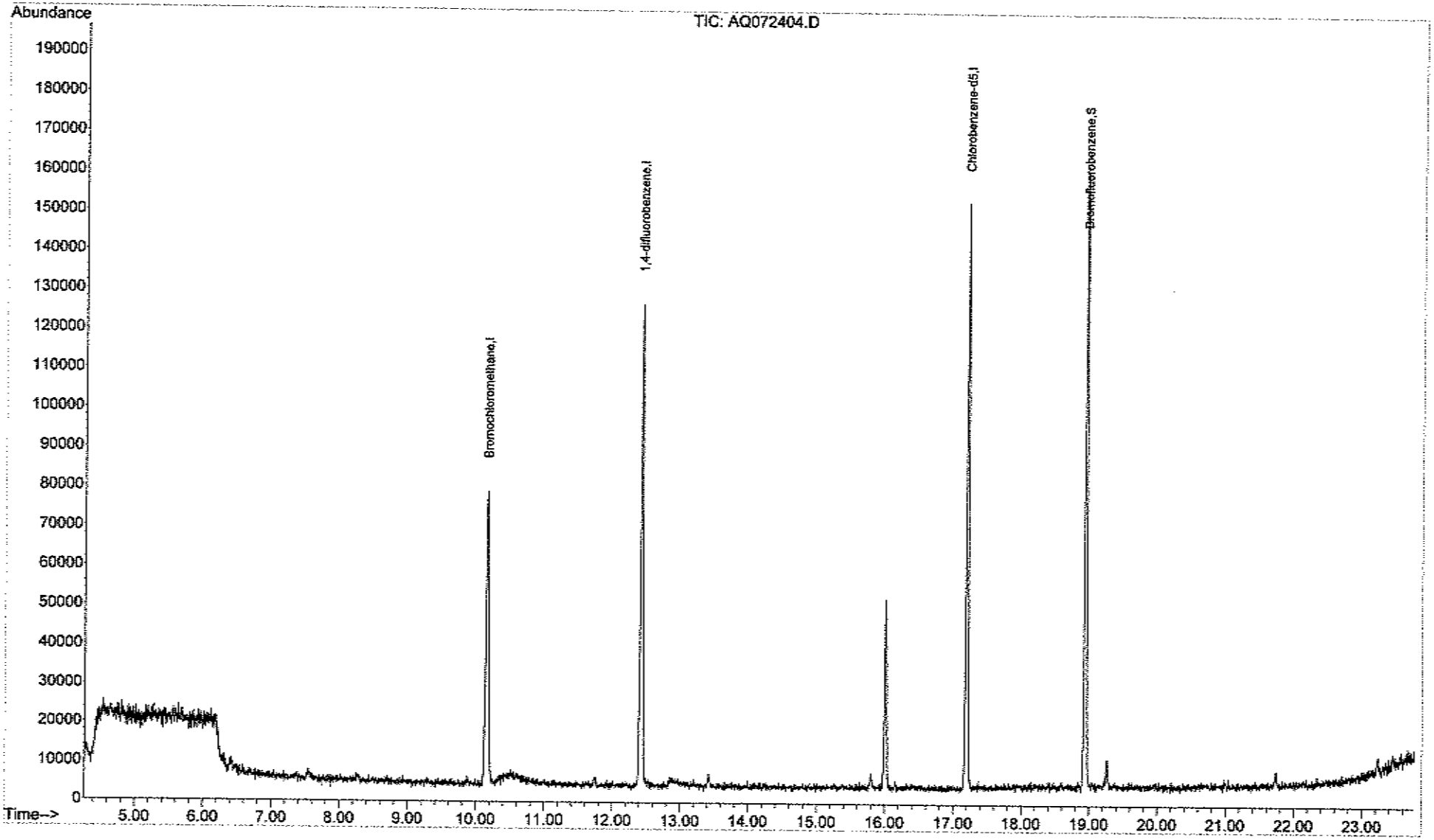
Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AQ072404.D
Acq On : 24 Jul 2019 3:54 pm
Sample : AMB1UG-072419
Misc : A717_1UG
MS Integration Params: RTEINT.P
Quant Time: Jul 26 10:16 2019

Vial: 2
Operator: RJP
Inst : MSD #1
Multiplr: 1.00

Quant Results File: A717_1UG.RES

Method : C:\HPCHEM\1\METHODS\A717_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed Jul 17 21:42:36 2019
Response via : Initial Calibration



AQ072404.D A717_1UG.M Fri Aug 30 09:24:28 2019 MSD1

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Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AQ072409.D Vial: 7
Acq On : 24 Jul 2019 7:45 pm Operator: RJP
Sample : C1907049-003A MS Inst : MSD #1
Misc : A717_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 25 05:51:51 2019 Quant Results File: A717_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A717_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed Jul 17 21:42:36 2019
Response via : Initial Calibration
DataAcq Meth : 1UG_ENT

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	10.17	128	40949	1.00	ppb		0.00
35) 1,4-difluorobenzene	12.43	114	145655	1.00	ppb		0.00
50) Chlorobenzene-d5	17.19	117	138569	1.00	ppb		0.00
System Monitoring Compounds							
65) Bromofluorobenzene	18.93	95	91932	1.12	ppb		0.00
Spiked Amount 1.000	Range 70 - 130		Recovery = 112.00%				
Target Compounds							Qvalue
2) Propylene	4.38	41	277285	7.39	ppb	#	21
3) Freon 12	4.41	85	186247m	1.13	ppb		
4) Chloromethane	4.63	50	62126	1.48	ppb		98
5) Freon 114	4.63	85	111599	0.80	ppb		88
6) Vinyl Chloride	4.84	62	30421	0.73	ppb		96
7) Butane	4.95	43	2934822	59.13	ppb		96
8) 1,3-butadiene	4.94	39	622615	18.61	ppb	#	13
9) Bromomethane	5.31	94	44015	0.80	ppb		97
10) Chloroethane	5.49	64	13546	0.74	ppb	#	87
11) Ethanol	5.60	45	10041157	325.44	ppb		93
12) Acrolein	6.19	56	17835	0.93	ppb	#	66
13) Vinyl Bromide	5.84	106	47608	0.76	ppb		99
14) Freon 11	6.13	101	191802	1.16	ppb		98
15) Acetone	6.30	58	271984m	8.26	ppb		
16) Pentane	6.41	42	233833	3.80	ppb	#	49
17) Isopropyl alcohol	6.41	45	2415994	20.39	ppb	#	13
18) 1,1-dichloroethene	6.92	96	51381	0.90	ppb		98
19) Freon 113	7.11	101	127658	0.98	ppb		92
20) t-Butyl alcohol	7.15	59	167887	1.80	ppb	#	73
21) Methylene chloride	7.38	84	67556	1.24	ppb		94
22) Allyl chloride	7.37	41	52014	0.83	ppb		96
23) Carbon disulfide	7.54	76	140914	0.84	ppb		99
24) trans-1,2-dichloroethene	8.33	61	66291	0.84	ppb		97
25) methyl tert-butyl ether	8.37	73	114148	0.95	ppb	#	60
26) 1,1-dichloroethane	8.77	63	82062	0.81	ppb		98
27) Vinyl acetate	8.76	43	99892	0.89	ppb		100
28) Methyl Ethyl Ketone	9.26	72	60080	2.20	ppb	#	92
29) cis-1,2-dichloroethene	9.71	61	63558	0.83	ppb		97
30) Hexane	9.30	57	166427	2.08	ppb		95
31) Ethyl acetate	9.86	43	125582	0.82	ppb		99
32) Chloroform	10.32	83	214723	1.71	ppb		100
33) Tetrahydrofuran	10.51	42	71367m	1.46	ppb		
34) 1,2-dichloroethane	11.43	62	68769	0.92	ppb		100
36) 1,1,1-trichloroethane	11.16	97	113660	1.16	ppb		98
37) Cyclohexane	11.85	56	73855m	1.23	ppb		
38) Carbon tetrachloride	11.79	117	141182	1.18	ppb		98
39) Benzene	11.75	78	225341	1.63	ppb		98
40) Methyl methacrylate	13.29	41	50646	0.88	ppb		100
41) 1,4-dioxane	13.33	88	24911	0.91	ppb		97
42) 2,2,4-trimethylpentane	12.60	57	308342	1.60	ppb		86
43) Heptane	12.94	43	101596	1.46	ppb		95
44) Trichloroethene	13.07	130	77911	1.06	ppb		96
45) 1,2-dichloropropane	13.18	63	48854	0.90	ppb		97

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AQ072409.D Vial: 7
Acq On : 24 Jul 2019 7:45 pm Operator: RJP
Sample : C1907049-003A MS Inst : MSD #1
Misc : A717_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 25 05:51:51 2019 Quant Results File: A717_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A717_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed Jul 17 21:42:36 2019
Response via : Initial Calibration
DataAcq Meth : 1UG_ENT

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46)	Bromodichloromethane	13.51	83	120466	1.11	ppb		97
47)	cis-1,3-dichloropropene	14.32	75	77772	1.01	ppb		95
48)	trans-1,3-dichloropropene	15.08	75	62716	1.03	ppb		96
49)	1,1,2-trichloroethane	15.41	97	65088	1.03	ppb		100
51)	Toluene	15.17	92	302382	2.93	ppb		96
52)	Methyl Isobutyl Ketone	14.23	43	91873	0.80	ppb		95
53)	Dibromochloromethane	16.14	129	131182	0.99	ppb		100
54)	Methyl Butyl Ketone	15.59	43	86123	0.89	ppb		92
55)	1,2-dibromoethane	16.40	107	107108	0.95	ppb		99
56)	Tetrachloroethylene	16.23	164	253198	3.03	ppb		99
57)	Chlorobenzene	17.25	112	144075	0.98	ppb		96
58)	Ethylbenzene	17.52	91	285075	1.44	ppb		99
59)	m&p-xylene	17.70	91	557313	3.60	ppb		100
60)	Nonane	18.12	43	147678	1.44	ppb		98
61)	Styrene	18.19	104	170230	1.38	ppb		97
62)	Bromoform	18.31	173	121431	1.03	ppb		98
63)	o-xylene	18.23	91	272705	1.56	ppb		99
64)	Cumene	18.82	105	253680	1.21	ppb		98
66)	1,1,2,2-tetrachloroethane	18.69	83	149142	0.93	ppb		100
67)	Propylbenzene	19.40	120	85893	1.44	ppb		97
68)	2-Chlorotoluene	19.45	126	74887	1.16	ppb	#	92
69)	4-ethyltoluene	19.58	105	319964m	1.51	ppb		
70)	1,3,5-trimethylbenzene	19.65	105	345506m	1.85	ppb		
71)	1,2,4-trimethylbenzene	20.14	105	374570	2.35	ppb		98
72)	1,3-dichlorobenzene	20.47	146	177500	1.26	ppb		99
73)	benzyl chloride	20.55	91	128860	1.21	ppb		94
74)	1,4-dichlorobenzene	20.62	146	175844m	1.29	ppb		
75)	1,2,3-trimethylbenzene	20.67	105	294695	1.64	ppb		98
76)	1,2-dichlorobenzene	21.00	146	175093	1.25	ppb		98
77)	1,2,4-trichlorobenzene	23.23	180	158433	1.97	ppb		98
78)	Naphthalene	23.45	128	346706	1.93	ppb		99
79)	Hexachloro-1,3-butadiene	23.58	225	173978	1.35	ppb		92

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

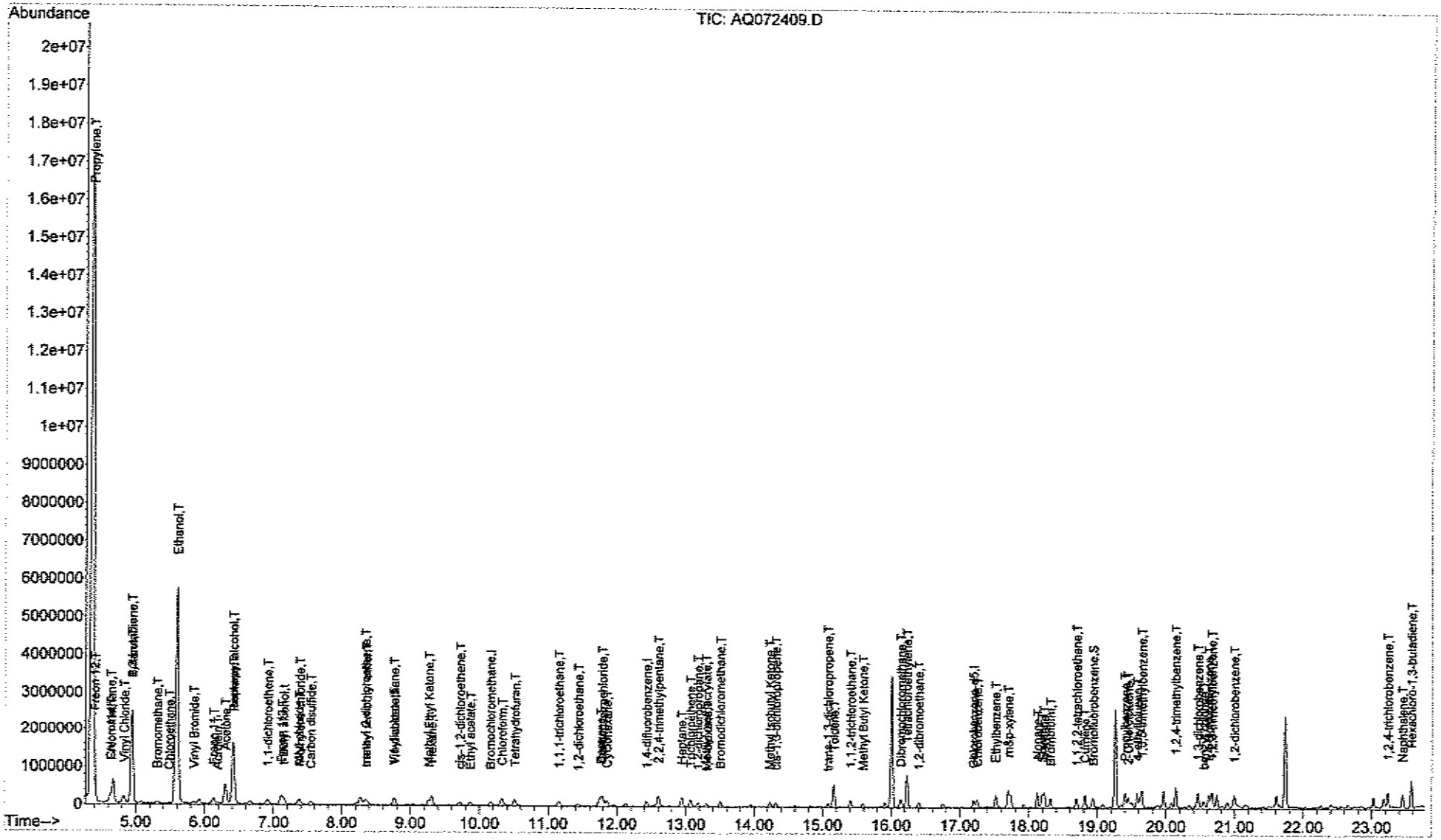
Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AQ072409.D
Acq On : 24 Jul 2019 7:45 pm
Sample : C1907049-003A MS
Misc : A717_1UG
MS Integration Params: RTEINT.P
Quant Time: Jul 26 9:57 2019

Vial: 7
Operator: RJP
Inst : MSD #1
Multiplr: 1.00

Quant Results File: A717_1UG.RES

Method : C:\HPCHEM\1\METHODS\A717_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed Jul 17 21:42:36 2019
Response via : Initial Calibration



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Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AQ072410.D Vial: 8
Acq On : 24 Jul 2019 8:36 pm Operator: RJP
Sample : C1907049-003A MSD Inst : MSD #1
Misc : A717_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 25 05:51:52 2019 Quant Results File: A717_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A717_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed Jul 17 21:42:36 2019
Response via : Initial Calibration
DataAcq Meth : 1UG_ENT

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	10.16	128	39998	1.00	ppb		0.00
35) 1,4-difluorobenzene	12.43	114	146753	1.00	ppb		0.00
50) Chlorobenzene-d5	17.20	117	137428	1.00	ppb		0.00
System Monitoring Compounds							
65) Bromofluorobenzene	18.94	95	90739	1.11	ppb		0.00
Spiked Amount 1.000	Range 70 - 130		Recovery = 111.00%				
Target Compounds							Qvalue
2) Propylene	4.38	41	268428	7.32	ppb	#	20
3) Freon 12	4.41	85	184230m	1.14	ppb		
4) Chloromethane	4.64	50	59648	1.46	ppb		98
5) Freon 114	4.63	85	109067	0.80	ppb		87
6) Vinyl Chloride	4.84	62	30341	0.75	ppb		100
7) Butane	4.95	43	2801276	57.78	ppb		97
8) 1,3-butadiene	4.95	39	585618	17.92	ppb	#	13
9) Bromomethane	5.31	94	45146	0.84	ppb		96
10) Chloroethane	5.49	64	13204	0.74	ppb		88
11) Ethanol	5.60	45	10144418	336.61	ppb		93
12) Acrolein	6.19	56	17847	0.95	ppb		81
13) Vinyl Bromide	5.84	106	46578	0.76	ppb		99
14) Freon 11	6.13	101	187779	1.16	ppb		99
15) Acetone	6.29	58	230769m	7.17	ppb		
16) Pentane	6.41	42	231495	3.86	ppb	#	48
17) Isopropyl alcohol	6.41	45	2413294	20.85	ppb	#	13
18) 1,1-dichloroethene	6.91	96	50201	0.90	ppb		97
19) Freon 113	7.11	101	124982	0.98	ppb		92
20) t-Butyl alcohol	7.15	59	170217	1.87	ppb	#	74
21) Methylene chloride	7.38	84	66127	1.25	ppb		95
22) Allyl chloride	7.36	41	49300	0.80	ppb		97
23) Carbon disulfide	7.54	76	143780	0.88	ppb		99
24) trans-1,2-dichloroethene	8.33	61	67802	0.88	ppb		99
25) methyl tert-butyl ether	8.37	73	113822	0.97	ppb	#	60
26) 1,1-dichloroethane	8.77	63	81468	0.82	ppb		99
27) Vinyl acetate	8.75	43	97074	0.88	ppb		100
28) Methyl Ethyl Ketone	9.26	72	59615	2.23	ppb	#	1
29) cis-1,2-dichloroethene	9.71	61	64244	0.86	ppb		98
30) Hexane	9.30	57	162641	2.08	ppb		96
31) Ethyl acetate	9.86	43	125637	0.84	ppb		98
32) Chloroform	10.32	83	212741	1.73	ppb		100
33) Tetrahydrofuran	10.51	42	68274m	1.43	ppb		
34) 1,2-dichloroethane	11.44	62	68078	0.93	ppb		99
36) 1,1,1-trichloroethane	11.16	97	113702	1.15	ppb		98
37) Cyclohexane	11.85	56	79043m	1.31	ppb		
38) Carbon tetrachloride	11.79	117	139385	1.16	ppb		99
39) Benzene	11.76	78	221867	1.59	ppb		97
40) Methyl methacrylate	13.29	41	48805	0.85	ppb		98
41) 1,4-dioxane	13.33	88	26732	0.97	ppb		99
42) 2,2,4-trimethylpentane	12.60	57	307313	1.59	ppb		86
43) Heptane	12.94	43	98681	1.41	ppb		98
44) Trichloroethene	13.07	130	76784	1.04	ppb		97
45) 1,2-dichloropropane	13.17	63	47752	0.88	ppb		95

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AQ072410.D Vial: 8
Acq On : 24 Jul 2019 8:36 pm Operator: RJP
Sample : C1907049-003A MSD Inst : MSD #1
Misc : A717_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 25 05:51:52 2019 Quant Results File: A717_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A717_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed Jul 17 21:42:36 2019
Response via : Initial Calibration
DataAcq Meth : 1UG_ENT

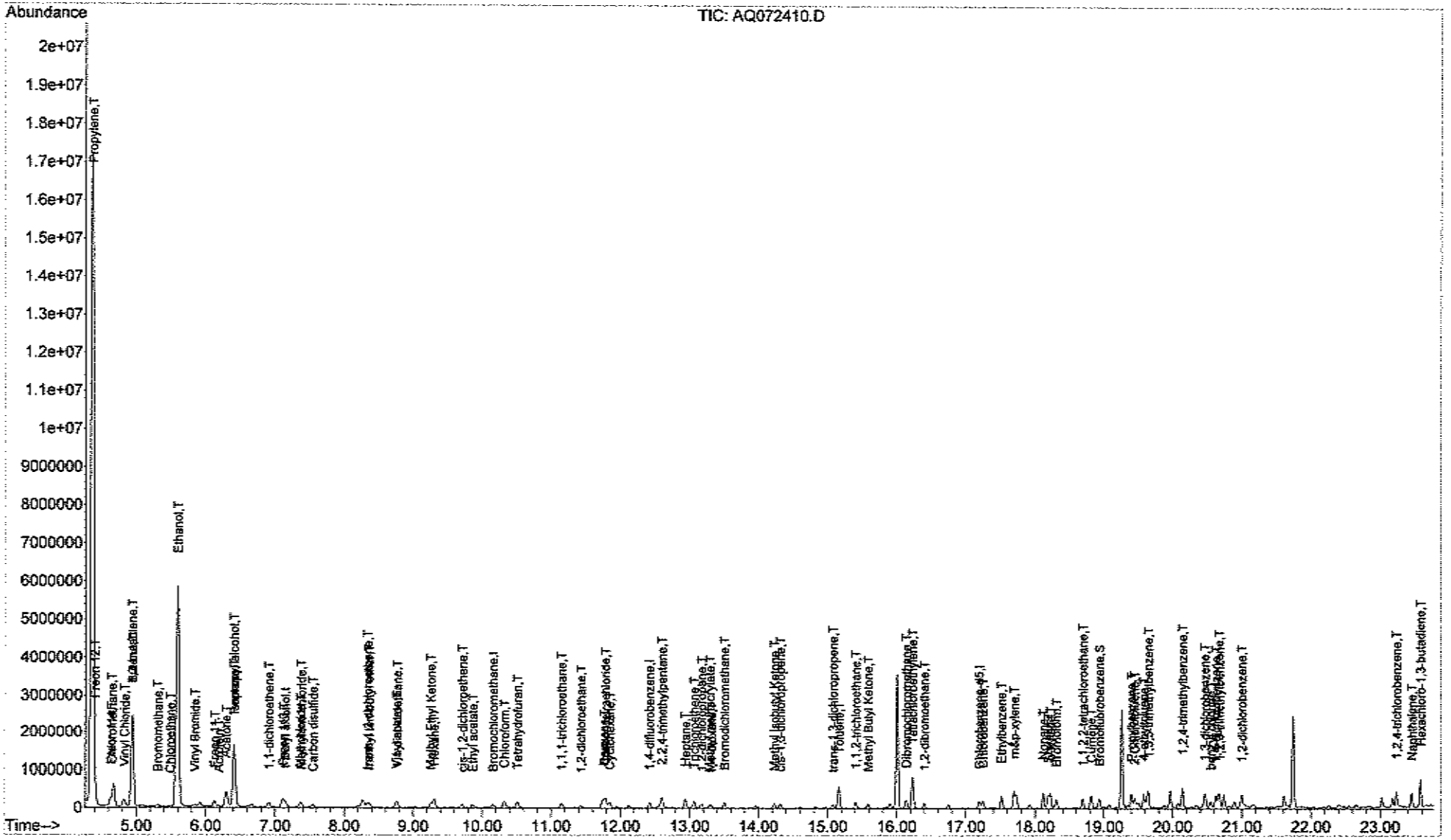
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46)	Bromodichloromethane	13.50	83	117721	1.07	ppb		99
47)	cis-1,3-dichloropropene	14.31	75	75326	0.97	ppb		97
48)	trans-1,3-dichloropropene	15.07	75	60787	1.00	ppb		94
49)	1,1,2-trichloroethane	15.41	97	65155	1.02	ppb		97
51)	Toluene	15.16	92	292498	2.86	ppb		96
52)	Methyl Isobutyl Ketone	14.23	43	95865	0.84	ppb		99
53)	Dibromochloromethane	16.13	129	131287	1.00	ppb		100
54)	Methyl Butyl Ketone	15.59	43	86717	0.90	ppb		92
55)	1,2-dibromoethane	16.40	107	106487	0.95	ppb		99
56)	Tetrachloroethylene	16.23	164	246926	2.98	ppb		98
57)	Chlorobenzene	17.25	112	139312	0.95	ppb		96
58)	Ethylbenzene	17.52	91	281565	1.43	ppb		99
59)	m&p-xylene	17.70	91	552616	3.60	ppb		99
60)	Nonane	18.12	43	147322	1.44	ppb		99
61)	Styrene	18.19	104	169196	1.38	ppb		97
62)	Bromoform	18.31	173	120815	1.03	ppb		96
63)	o-xylene	18.22	91	265978	1.54	ppb		99
64)	Cumene	18.82	105	252947	1.21	ppb		99
66)	1,1,2,2-tetrachloroethane	18.69	83	146741	0.92	ppb		98
67)	Propylbenzene	19.40	120	82738	1.40	ppb		99
68)	2-Chlorotoluene	19.45	126	75603	1.18	ppb	#	85
69)	4-ethyltoluene	19.58	105	324235m	1.55	ppb		
70)	1,3,5-trimethylbenzene	19.65	105	336966m	1.82	ppb		
71)	1,2,4-trimethylbenzene	20.14	105	361546	2.29	ppb		97
72)	1,3-dichlorobenzene	20.47	146	176988	1.26	ppb		99
73)	benzyl chloride	20.55	91	127139	1.20	ppb		95
74)	1,4-dichlorobenzene	20.62	146	174177	1.29	ppb		97
75)	1,2,3-trimethylbenzene	20.67	105	286917	1.61	ppb		97
76)	1,2-dichlorobenzene	21.00	146	174822	1.26	ppb		98
77)	1,2,4-trichlorobenzene	23.23	180	160214	2.01	ppb		100
78)	Naphthalene	23.45	128	342557	1.92	ppb		100
79)	Hexachloro-1,3-butadiene	23.58	225	176628	1.39	ppb		92

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AQ072410.D Vial: 8
Acq On : 24 Jul 2019 8:36 pm Operator: RJP
Sample : C1907049-003A MSD Inst : MSD #1
Misc : A717_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 26 9:59 2019 Quant Results File: A717_1UG.RES

Method : C:\HPCHEM\1\METHODS\A717_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed Jul 17 21:42:36 2019
Response via : Initial Calibration



Centek Laboratories, LLC

GC/MS VOLATILES-WHOLE AIR

METHOD TO-15

INJECTION LOG

Injection Log

Directory: C:\HPCHEM\1\DATA2

Instrument #: 1
Internal Standard Stock #: A3217
Standard Stock #: 3275
Misc Info: 3280 Injected
Method Ref: EPA TO-15 / Jan. 1999

Line	Vial	FileName	Multiplier	SampleName			
221	6	Aq072311.d	1.	WAC072319F	A717_1UG		23 Jul 2019 18:14
222	7	Aq072312.d	1.	blk	A717_1UG		23 Jul 2019 19:17
223	8	Aq072313.d	1.	C1907047-001A 10X	A717_1UG		23 Jul 2019 20:01
224	9	Aq072314.d	1.	C1907047-003A 10X	A717_1UG		23 Jul 2019 20:45
225	10	Aq072315.d	1.	C1907047-005A 10X	A717_1UG		23 Jul 2019 21:29
226	11	Aq072316.d	1.	C1907047-007A 10X	A717_1UG		23 Jul 2019 22:13
227	12	Aq072317.d	1.	C1907047-009A 10X	A717_1UG		23 Jul 2019 22:57
228	13	Aq072318.d	1.	C1907047-002A 9X	A717_1UG		23 Jul 2019 23:42
229	14	Aq072319.d	1.	C1907047-002A 90X	A717_1UG		24 Jul 2019 00:26
230	15	Aq072320.d	1.	C1907047-002A 180X	A717_1UG		24 Jul 2019 01:09
231	16	Aq072321.d	1.	C1907047-004A 9X	A717_1UG		24 Jul 2019 01:55
232	17	Aq072322.d	1.	C1907047-004A 90X	A717_1UG		24 Jul 2019 02:38
233	18	Aq072323.d	1.	C1907047	A717_1UG	-004A...	24 Jul 2019 03:22
234	19	Aq072324.d	1.	C1907047-006A 9X	A717_1UG		24 Jul 2019 04:07
235	20	Aq072325.d	1.	C1907047-006A 90X	A717_1UG		24 Jul 2019 04:51
236	21	Aq072326.d	1.	C1907047-008A 9X	A717_1UG		24 Jul 2019 05:36
237	22	Aq072327.d	1.	C1907047-008A 90X	A717_1UG		24 Jul 2019 06:20
238	23	Aq072328.d	1.	ALCS1UGD-072319	A717_1UG		24 Jul 2019 07:05
239	24	Aq072329.d	1.	C1907050-001A	A717_1UG		24 Jul 2019 07:50
240	25	Aq072330.d	1.	C1907050-002A	A717_1UG		24 Jul 2019 08:35
241	26	Aq072331.d	1.	C1907051-001A	A717_1UG		24 Jul 2019 09:20
242	27	Aq072332.d	1.		A717_1UG		24 Jul 2019 10:06
243		Aq072333.d	1.	No MS or GC data present			
244	1	Aq072401.d	1.	BFB1UG	A717_1UG		24 Jul 2019 11:33
245	2	Aq072402.d	1.	A1UG_1.0	A717_1UG		24 Jul 2019 12:19
246	1	Aq072403.d	1.	ALCS1UG-072419	A717_1UG		24 Jul 2019 15:13
247	2	Aq072404.d	1.	AMB1UG-072419	A717_1UG		24 Jul 2019 15:54
248	3	Aq072405.d	1.	C1907051-002A	A717_1UG		24 Jul 2019 16:39
249	4	Aq072406.d	1.	C1907049-001A	A717_1UG		24 Jul 2019 17:25
250	5	Aq072407.d	1.	C1907049-002A	A717_1UG		24 Jul 2019 18:10
251	6	Aq072408.d	1.	C1907049-003A	A717_1UG		24 Jul 2019 18:55
252	7	Aq072409.d	1.	C1907049-003A MS	A717_1UG		24 Jul 2019 19:45
253	8	Aq072410.d	1.	C1907049-003A MSD	A717_1UG		24 Jul 2019 20:36
254	9	Aq072411.d	1.	C1907055-003A	A717_1UG		24 Jul 2019 21:21
255	10	Aq072412.d	1.	C1907055-004A	A717_1UG		24 Jul 2019 22:06
256	11	Aq072413.d	1.	C1907055-005A	A717_1UG		24 Jul 2019 22:51
257	11	Aq072414.d	1.	C1907055-001A	A717_1UG		24 Jul 2019 23:37
258	12	Aq072415.d	1.	C1907055-002A	A717_1UG		25 Jul 2019 00:22
259	13	Aq072416.d	1.	C1907055-006A	A717_1UG		25 Jul 2019 01:07
260	14	Aq072417.d	1.	C1907050-001A 10X	A717_1UG		25 Jul 2019 01:51
261	15	Aq072418.d	1.	C1907050-001A 40X	A717_1UG		25 Jul 2019 02:35
262	16	Aq072419.d	1.	C1907050-002A 10X	A717_1UG		25 Jul 2019 03:19
263	17	Aq072420.d	1.	C1907051-001A 4X	A717_1UG		25 Jul 2019 04:01
264	18	Aq072421.d	1.	C1907051-002A 10X	A717_1UG		25 Jul 2019 04:45
265	19	Aq072422.d	1.	ALCS1UGD-072419	A717_1UG		25 Jul 2019 05:31
266	20	Aq072423.d	1.	C1907049-001A 10X	A717_1UG		25 Jul 2019 06:15
267	21	Aq072424.d	1.	C1907049-002A 10X	A717_1UG		25 Jul 2019 06:59
268	22	Aq072425.d	1.	C1907049-003A 10X	A717_1UG		25 Jul 2019 07:43
269	23	Aq072426.d	1.	C1907055-003A 10X	A717_1UG		25 Jul 2019 08:27
270	24	Aq072427.d	1.	C1907055-004A 10X	A717_1UG		25 Jul 2019 09:11
271	25	Aq072428.d	1.	C1907055-005A 10X	A717_1UG		25 Jul 2019 09:55
272	26	Aq072429.d	1.	C1907055	A717_1UG	-001A...	25 Jul 2019 10:39
273	27	Aq072430.d	1.	C1907055	A717_1UG	-002A...	25 Jul 2019 11:23
274		Aq072431.d	1.	No MS or GC data present			
275	1	Aq072501.d	1.	BFB1UG	A717_1UG		25 Jul 2019 12:21

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-2311	12/08/17	12/15/17	TO15 SULF	A0270	1ppm	1.5	30	50	LL	
A-2312	↓	↓	H2S	A0269	10ppm	↓	↓	500		
A-2313			TO15 IUG IS	A2304	50ppb	0.9	45	1.0		
A-2314			STD	A2305	↓	↓	↓	↓	↓	
A-2315	↓	↓	LCS	A2306	↓	↓	↓	↓		
A-2316	12/04/17	12/04/18	TO15 IS	FF-8482		LINDE	2000psig	1 PPM	LL	
A-2317	12/12/17	12/12/18	STOCK TO15 STD	FF-47281		LINDE	2200 PSIG	1 PPM	LL	
A-2318	12/18/17	12/18/18	TO15 LCS	A1807	1ppm	A1807	STD IS NOW LCS		LL	
A-2319	12/16/17	12/29/17	TO15 IS	A2316	1ppm	1.5	30	50	m	
A-2320	↓	↓	STD	A2317	↓	↓	↓	↓	↓	
A-2321			LCS	A2318	↓	↓	↓	50		
A-2322			4PCH	9519	1ppm	1.5	↓	5		
A-2323			4PCHS	A2322	50ppb	3.0	↓	50		
A-2324			FORM	A0974	11.5ppm	0.20	45	↓		
A-2325			SILOX	A1058/001 A2270/001 A1064/001	500 ppm	3.0	30	↓		
A-2326			SULF	A0276	A0270 1ppm	1.5	↓	500		
A-2327			H2S	A0269	10ppm	↓	↓	↓		
A-2328			TO15 IUG IS	A2315	50ppb	0.9	45	1.0		
A-2329			STD	A2320	↓	↓	↓	↓	↓	
A-2330			LCS	A2321	↓	↓	↓	↓		
A-2331	↓	↓	MM							

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Centek Laboratories, LLC

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	Chk
A-3253	7/5/19	7/12/19	TO15 H_2S	A2572	10.2 ppm	1.47	30	500	WD	
A-3254	↓	↓	TO15 14G IS	A3245	50 ppb	0.9	45	1	↓	
A-3255	↓	↓	↓ STD	A3246	↓	↓	↓	↓	↓	
A-3256	↓	↓	↓ LCS	A3247	↓	↓	↓	↓	↓	
A-3257	7/12/19	7/19/19	TO15 IS	A2927	1 ppm	1.5	30	50	WD	
A-3258	↓	↓	↓ STD	A2928	↓	↓	↓	↓	↓	
A-3259	↓	↓	↓ LCS	A2929	↓	↓	↓	↓	↓	
A-3260	↓	↓	↓ 4PCH	A2636	0.847 ppm	1.8	30	50	↓	
A-3261	↓	↓	↓ 4PCHS	A3260	50 ppb	3.0	30	5	↓	
A-3262	↓	↓	↓ FORM	A2926	10.8 ppm	0.21	45	50	↓	
A-3263	↓	↓	↓ SILOX	A2754 / A2623	449 ppb / 500 ppb	3.34 / 3.0	30	50	↓	
A-3264	↓	↓	↓ SULF	A2573	1 ppm	1.5	30	50	↓	
A-3265	↓	↓	↓ H_2S	A2572	10.2 ppm	1.47	30	500	↓	
A-3266	↓	↓	TO15 14G IS	A3257	50 ppb	0.9	45	1	↓	
A-3267	↓	↓	↓ STD	A3258	↓	↓	↓	↓	↓	
A-3268	↓	↓	↓ LCS	A3259	↓	↓	↓	↓	↓	
A-3269	7/19/19	7/26/19	TO15 IS	A2927	1 ppm	1.5	30	50	WD	
A-3270	↓	↓	↓ STD	A2928	↓	↓	↓	↓	↓	
A-3271	↓	↓	↓ LCS	A2929	↓	↓	↓	↓	↓	
A-3272	↓	↓	↓ 4PCH	A2636	0.847 ppm	1.8	30	50	↓	
A-3273	↓	↓	↓ 4PCHS	A3272	50 ppb	3.0	30	5	↓	

FORM 153

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-3274	7/19/19	7/26/19	TO15 FORM	A2926	10.8 ppm	0.21	45	50	WD	
A-3275	↓	↓	↓ SILOX	A2574 / A2623	449 ppb / 560 ppb	3.34 / 3.0	30	50	↓	
A-3276			SULF	A2573	1 ppm	1.5	30	50		
A-3277			↓ H2S	A2572	10.2 ppm	1.47	30	500		
A-3278			TO15 IS	A3269	50 ppb	0.9	45	1		
A-3279			↓ STD	A3270	↓	↓	↓	↓	↓	
A-3280	↓	↓	↓ LCS	A3271	↓	↓	↓	↓	↓	
A-3281	7/26/19	8/2/19	TO15 IS	A2927	1 ppm	1.5	30	50	WD	
A-3282	↓	↓	↓ STD	A2928	↓	↓	↓	↓	↓	
A-3283			LCS	A2929	↓	↓	↓	↓		
A-3284			4PCH	A2636	0.847 ppm	1.8	30	50		
A-3285			4PCHS	A3284	50 ppb	3.0	30	5		
A-3286			FORM	A2926	10.8 ppm	0.21	45	50		
A-3287			SILOX	A2574 / A2623	449 ppb / 560 ppb	3.34 / 3.0	30	50		
A-3288			SULF	A2573	1 ppm	1.5	30	50		
A-3289			↓ H2S	A2572	10.2 ppm	1.47	30	500		
A-3290			TO15 IS	A3281	50 ppb	0.9	45	1		
A-3291			STD	A3282	↓	↓	↓	↓	↓	
A-3292	↓	↓	↓ LCS	A3283	↓	↓	↓	↓	↓	
A-3293	8/5/19	8/12/19	TO15 IS	A2927	1 ppm	1.5	30	50	WD	
A-3294	↓	↓	↓ STD	A2928	↓	↓	↓	↓	↓	

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GC/MS VOLATILES-WHOLE AIR

METHOD TO-15

CANISTER CLEANING LOG

Centek Laboratories, LLC

QC Canister Cleaning Logbook

Instrument: Entech 3100

Canister Number	Canister Size	QC Can Number	# of Cycles	Int & Date Cleaned	QC Batch Number	Detection Limits	Leak Test 24hr Int & Date	
209	1/4L	485	20	4/12/19	WDC041519A	1 ppb +0.20	+ 30	+ 30 4/16/19
1196							+ 30	+
1207							+ 30	+
216							+ 30	+
485		↓					+ 30	+
1204		1201			B		+ 30	+
1198							+ 30	+
1205							+ 30	+
1319							+ 30	+
1201	↓	↓					+ 30	+
544	1L	85			C		+ 30	+
158							+ 30	+
366							+ 30	+
353							+ 30	+
85		↓					+ 30	+
95		141			D		+ 30	+
1450							+ 30	+
161							+ 30	+
552							+ 30	+
141		↓					+ 30	+
248		170			E		+ 30	+
1187							+ 30	+
128							+ 30	+
100							+ 30	+
170	↓	↓	↓	↓	↓	↓	+ 30	+

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QC Canister Cleaning Logbook

trument: Entech 3100

nister Number	Canister Size	QC Can Number	# of Cycles	Int & Date Cleaned	QC Batch Number	Detection Limits	Leak Test 24hr Int & Date	
96	1L	357	20	6/26/27/19	WSC062819F	1ug to 0.20	+ 30	+ 30 7/1/19
552							+ 30	+
85							+ 30	+
558							+ 30	+
357		↓					+ 30	+
479		545			G		+ 30	+
92							+ 30	+
200							+ 30	+
133							+ 30	+
545		↓					+ 30	+
316		564			G M		+ 30	+
1188							+ 30	+
352							+ 30	+
130							+ 30	+
564		↓					+ 30	+
567		365			1G M		+ 30	+
234							+ 30	+
1176							+ 30	+
328							+ 30	+
365		↓					+ 30	+
465		193			1 G		+ 30	+
139							+ 30	+
1545							+ 30	+
1192							+ 30	+
193		↓					+ 30	+

Page # 172

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\2018JUNE\AP062810.D Vial: 26
Acq On : 28 Jun 2018 3:18 pm Operator: RJP
Sample : WAC062818F Inst : MSD #1
Misc : A627_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 28 22:18:42 2018 Quant Results File: A627_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A627_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Thu Jun 28 09:16:19 2018
Response via : Initial Calibration
DataAcq Meth : 1UG_RUN

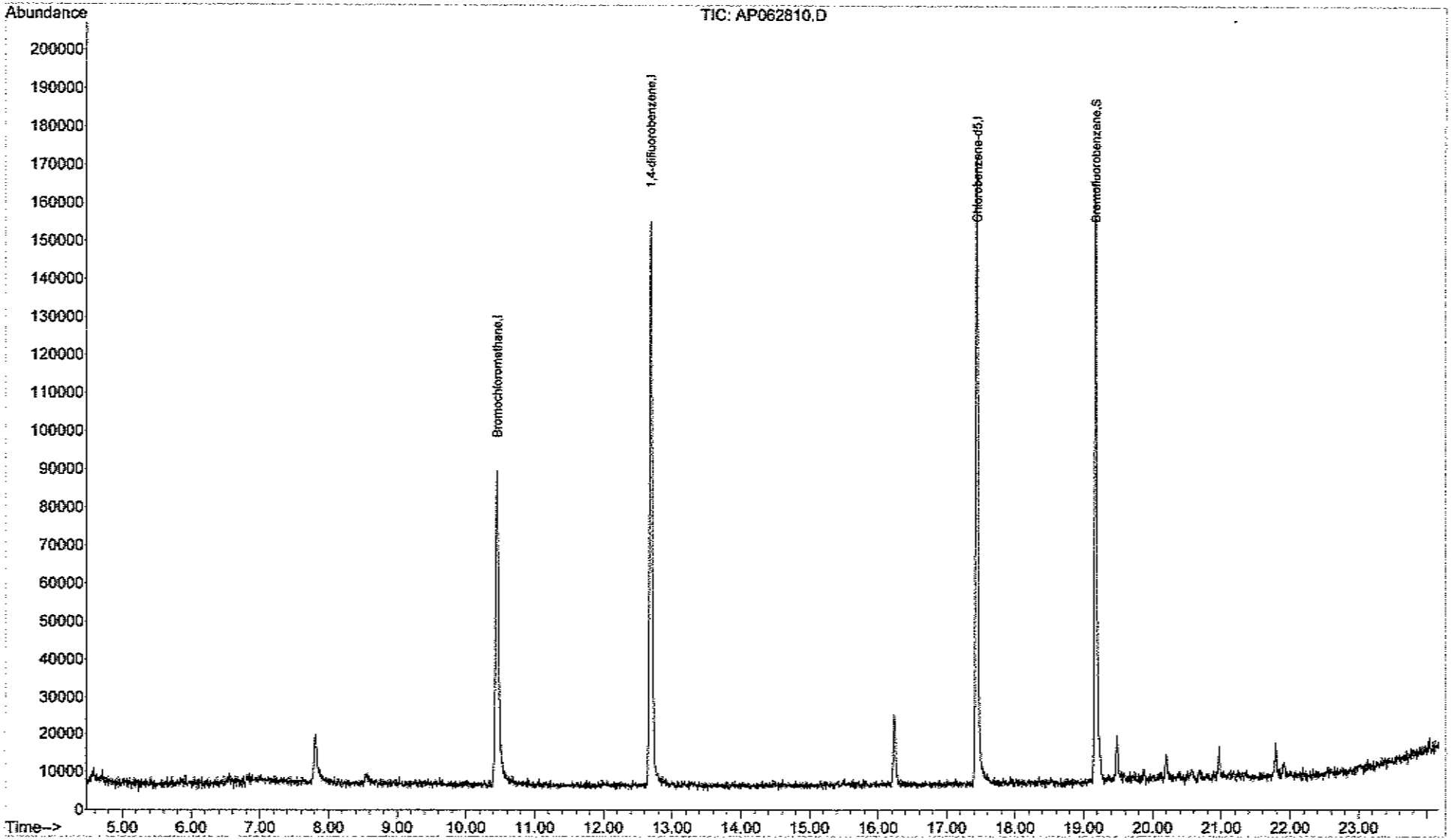
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	10.45	128	37162	1.00	ppb	0.00
35) 1,4-difluorobenzene	12.69	114	172755	1.00	ppb	0.00
50) Chlorobenzene-d5	17.44	117	132470	1.00	ppb	0.00
System Monitoring Compounds						
65) Bromofluorobenzene	19.18	95	70415	0.81	ppb	0.00
Spiked Amount 1.000	Range 70 - 130		Recovery = 81.00%			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\2018JUNE\AP062810.D Vial: 26
Acq On : 28 Jun 2018 3:18 pm Operator: RJP
Sample : WAC062818F Inst : MSD #1
Misc : A627_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 28 22:18 2018 Quant Results File: A627_1UG.RES

Method : C:\HPCHEM\1\METHODS\A717_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed Jul 17 21:42:36 2019
Response via : Initial Calibration



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Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\2018JUNE\AP062811.D Vial: 27
Acq On : 28 Jun 2018 3:56 pm Operator: RJP
Sample : WAC062818G Inst : MSD #1
Misc : A627_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 28 22:18:43 2018 Quant Results File: A627_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A627_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Thu Jun 28 09:16:19 2018
Response via : Initial Calibration
DataAcq Meth : 1UG_RUN

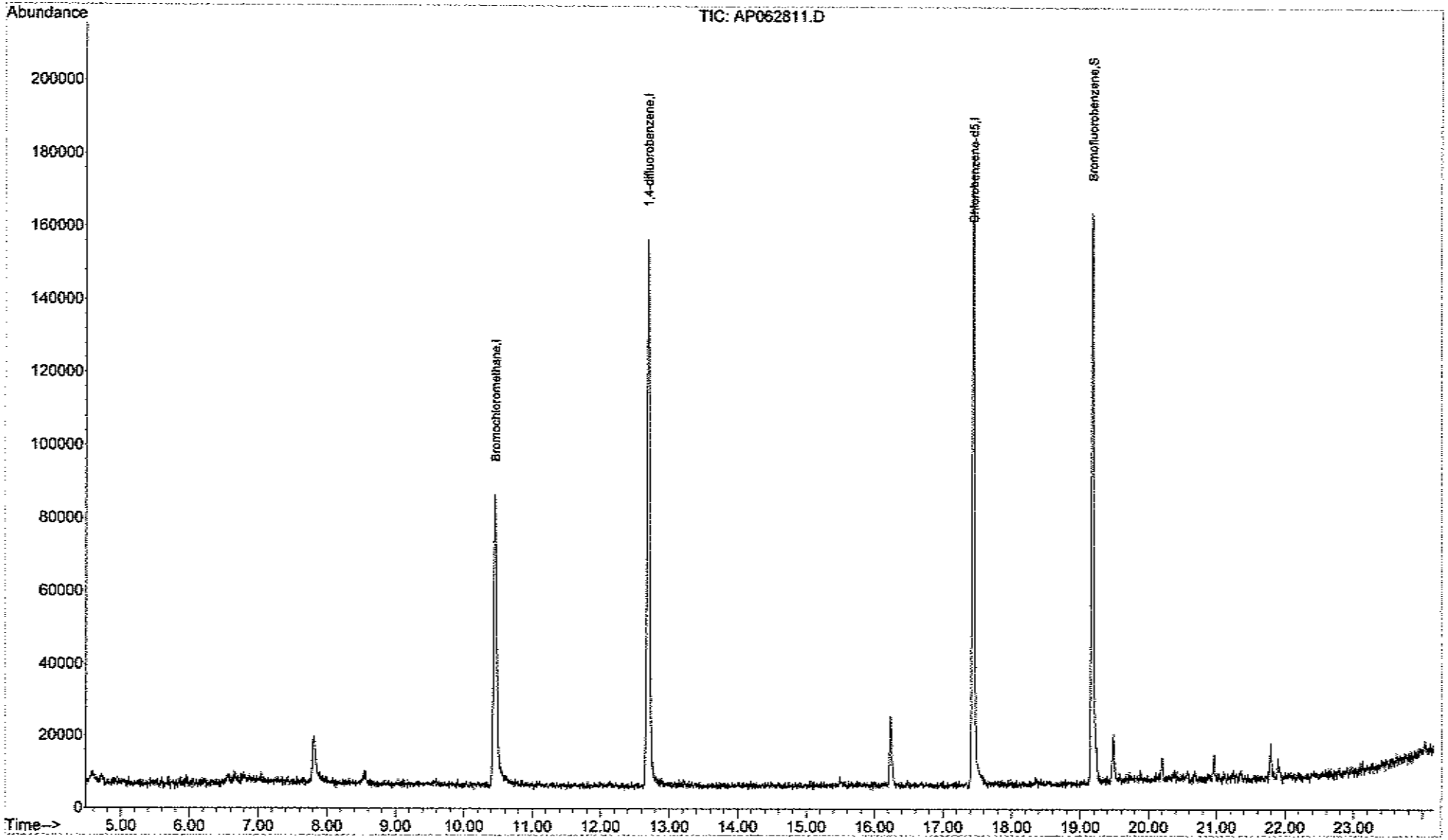
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	10.45	128	38715	1.00	ppb	0.00
35) 1,4-difluorobenzene	12.69	114	171475	1.00	ppb	0.00
50) Chlorobenzene-d5	17.44	117	132398	1.00	ppb	0.00
System Monitoring Compounds						
65) Bromofluorobenzene	19.17	95	69401	0.80	ppb	0.00
Spiked Amount 1.000	Range 70 - 130		Recovery = 80.00%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed
AP062811.D A717_1UG.M Fri Aug 30 10:29:57 2019 MSD1 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\2018JUNE\AP062811.D Vial: 27
Acq On : 28 Jun 2018 3:56 pm Operator: RJP
Sample : WAC062818G Inst : MSD #1
Misc : A627_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 28 22:18 2018 Quant Results File: A627_1UG.RES

Method : C:\HPCHEM\1\METHODS\A717_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed Jul 17 21:42:36 2019
Response via : Initial Calibration



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Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\2018JUNE\AP062814.D Vial: 1
Acq On : 28 Jun 2018 5:49 pm Operator: RJP
Sample : WAC062818J Inst : MSD #1
Misc : A627_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 28 22:18:46 2018 Quant Results File: A627_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A627_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Thu Jun 28 09:16:19 2018
Response via : Initial Calibration
DataAcq Meth : 1UG_RUN

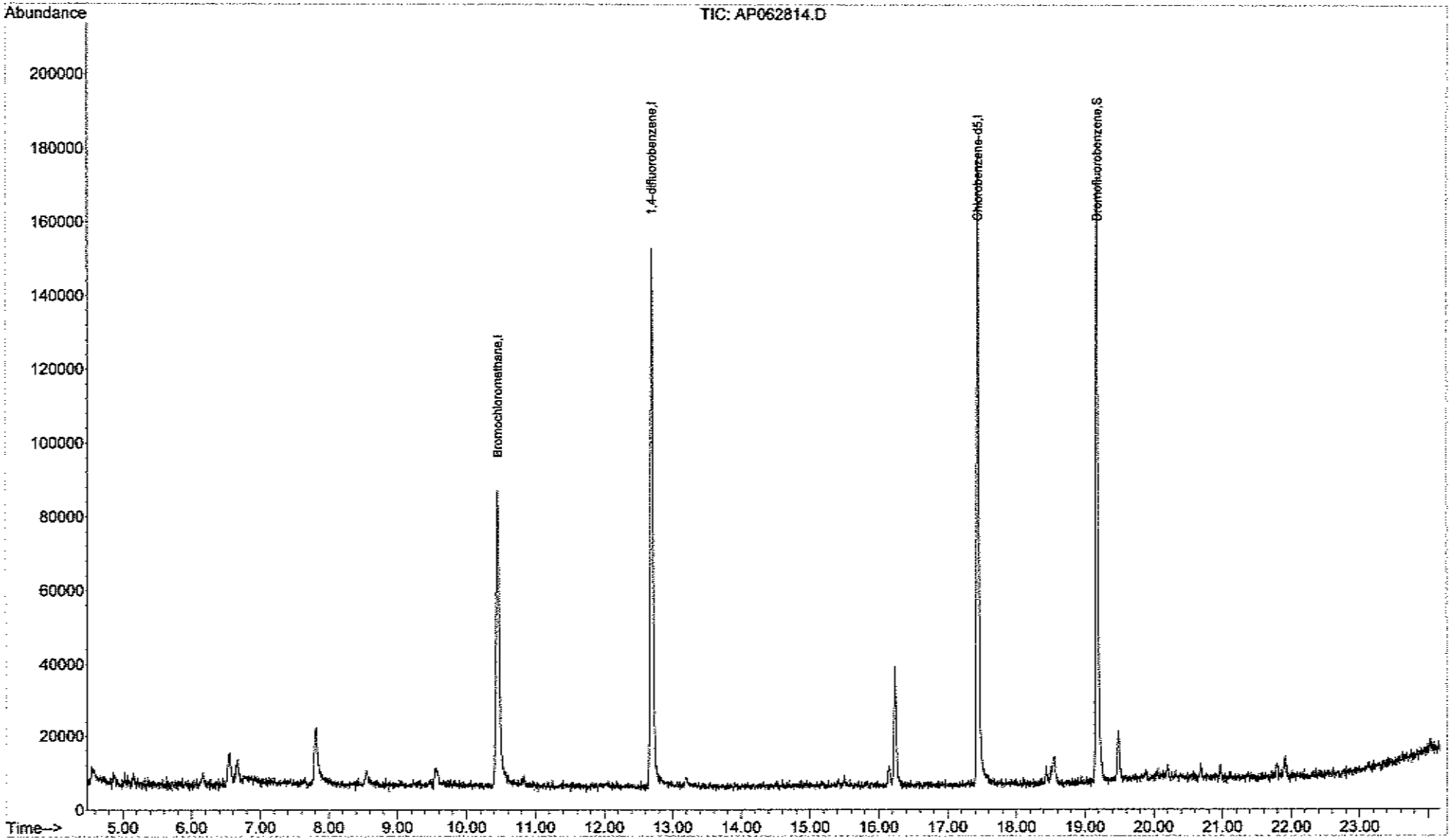
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	10.45	128	37424	1.00	ppb	0.00
35) 1,4-difluorobenzene	12.69	114	168138	1.00	ppb	0.00
50) Chlorobenzene-d5	17.44	117	131784	1.00	ppb	0.00
System Monitoring Compounds						
65) Bromofluorobenzene	19.18	95	72700	0.84	ppb	0.00
Spiked Amount 1.000	Range 70 - 130		Recovery = 84.00%			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\2018JUNE\AP062814.D Vial: 1
Acq On : 28 Jun 2018 5:49 pm Operator: RJP
Sample : WAC062818J Inst : MSD #1
Misc : A627_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 2 9:42 2018 Quant Results File: A627_1UG.RES

Method : C:\HPCHEM\1\METHODS\A717_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed Jul 17 21:42:36 2019
Response via : Initial Calibration



Centek Laboratories, LLC

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\2018JUNE\AP062815.D Vial: 2
Acq On : 28 Jun 2018 6:26 pm Operator: RJP
Sample : WAC062818K Inst : MSD #1
Misc : A627_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 28 22:18:47 2018 Quant Results File: A627_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A627_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Thu Jun 28 09:16:19 2018
Response via : Initial Calibration
DataAcq Meth : 1UG_RUN

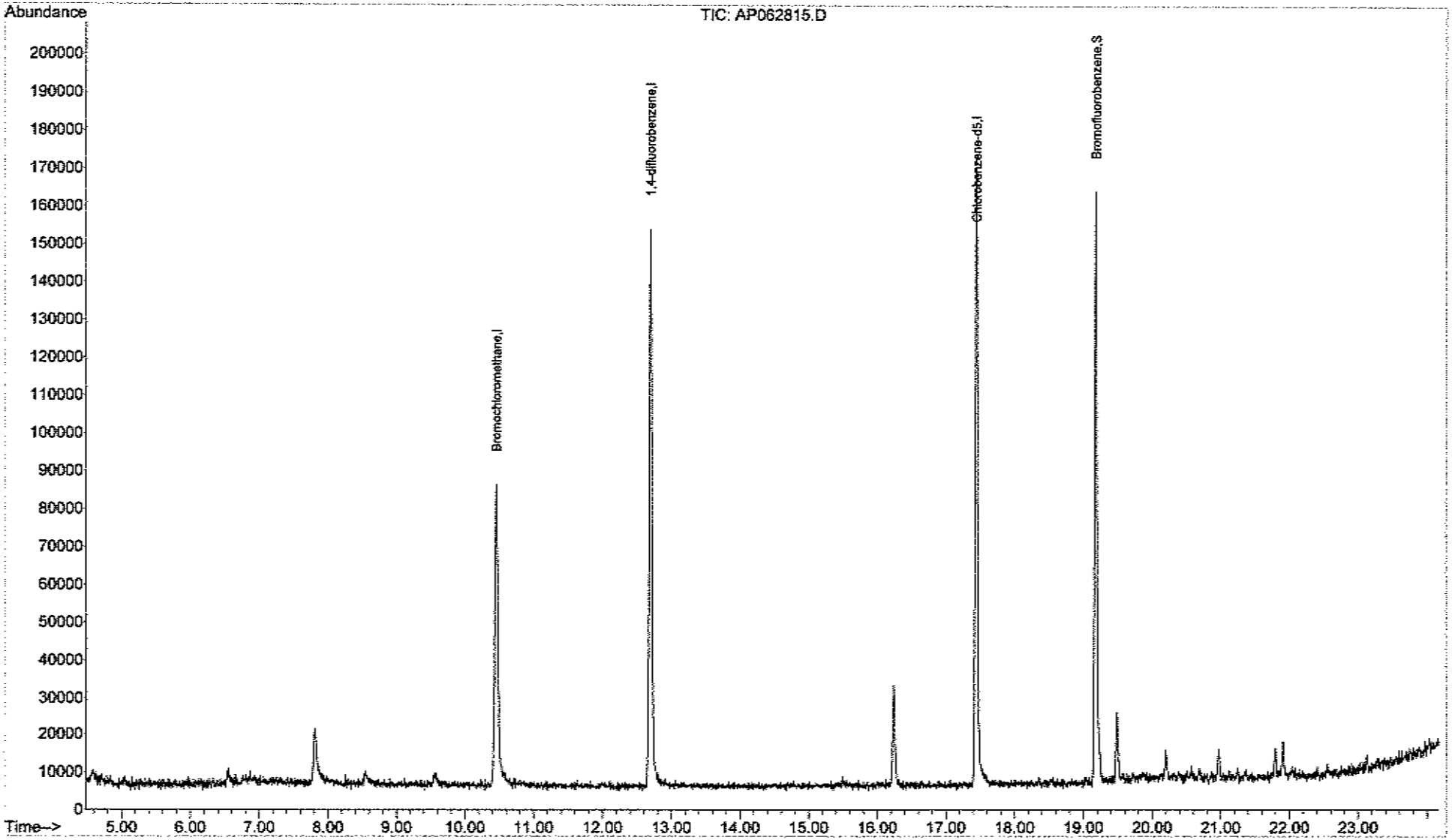
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	10.46	128	38084	1.00	ppb	0.00
35) 1,4-difluorobenzene	12.70	114	168935	1.00	ppb	0.00
50) Chlorobenzene-d5	17.44	117	127899	1.00	ppb	0.00
System Monitoring Compounds						
65) Bromofluorobenzene	19.18	95	68928	0.82	ppb	0.00
Spiked Amount 1.000	Range 70 - 130		Recovery = 82.00%			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\2018JUNE\AP062815.D Vial: 2
Acq On : 28 Jun 2018 6:26 pm Operator: RJP
Sample : WAC062818K Inst : MSD #1
Misc : A627_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 28 22:18 2018 Quant Results File: A627_1UG.RES

Method : C:\HPCHEM\1\METHODS\A717_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed Jul 17 21:42:36 2019
Response via : Initial Calibration



Centek Laboratories, LLC

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\2018JUNE\AP062816.D Vial: 3
Acq On : 28 Jun 2018 7:03 pm Operator: RJP
Sample : WAC062818L Inst : MSD #1
Misc : A627_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 28 22:18:48 2018 Quant Results File: A627_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A627_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Thu Jun 28 09:16:19 2018
Response via : Initial Calibration
DataAcq Meth : 1UG_RUN

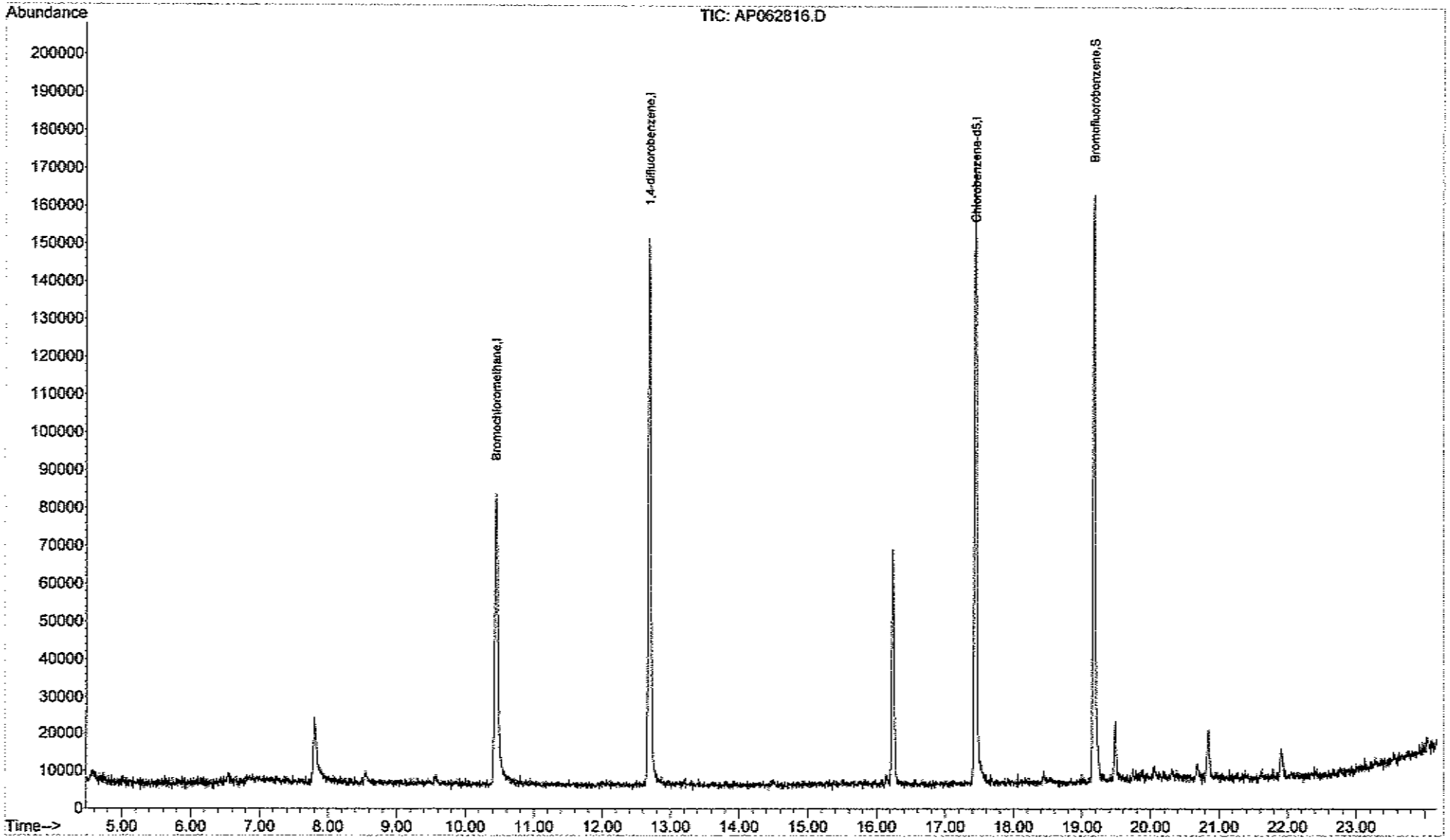
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	10.46	128	37575	1.00	ppb	0.00
35) 1,4-difluorobenzene	12.69	114	168270	1.00	ppb	0.00
50) Chlorobenzene-d5	17.44	117	129065	1.00	ppb	0.00
System Monitoring Compounds						
65) Bromofluorobenzene	19.17	95	71387	0.84	ppb	0.00
Spiked Amount 1.000	Range 70 - 130		Recovery = 84.00%			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\2018JUNE\AP062816.D Vial: 3
Acq On : 28 Jun 2018 7:03 pm Operator: RJP
Sample : WAC062818L Inst : MSD #1
Misc : A627_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 28 22:18 2018 Quant Results File: A627_1UG.RES

Method : C:\HPCHEM\1\METHODS\A717_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed Jul 17 21:42:36 2019
Response via : Initial Calibration



Centek Laboratories, LLC

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\2019APR\AQ041508.D Vial: 10
Acq On : 15 Apr 2019 2:52 pm Operator: RJP
Sample : WAC041519A Inst : MSD #1
Misc : A409_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 15 15:38:08 2019 Quant Results File: A408_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A408_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Tue Apr 09 20:38:26 2019
Response via : Initial Calibration
DataAcq Meth : 1UG_RUN

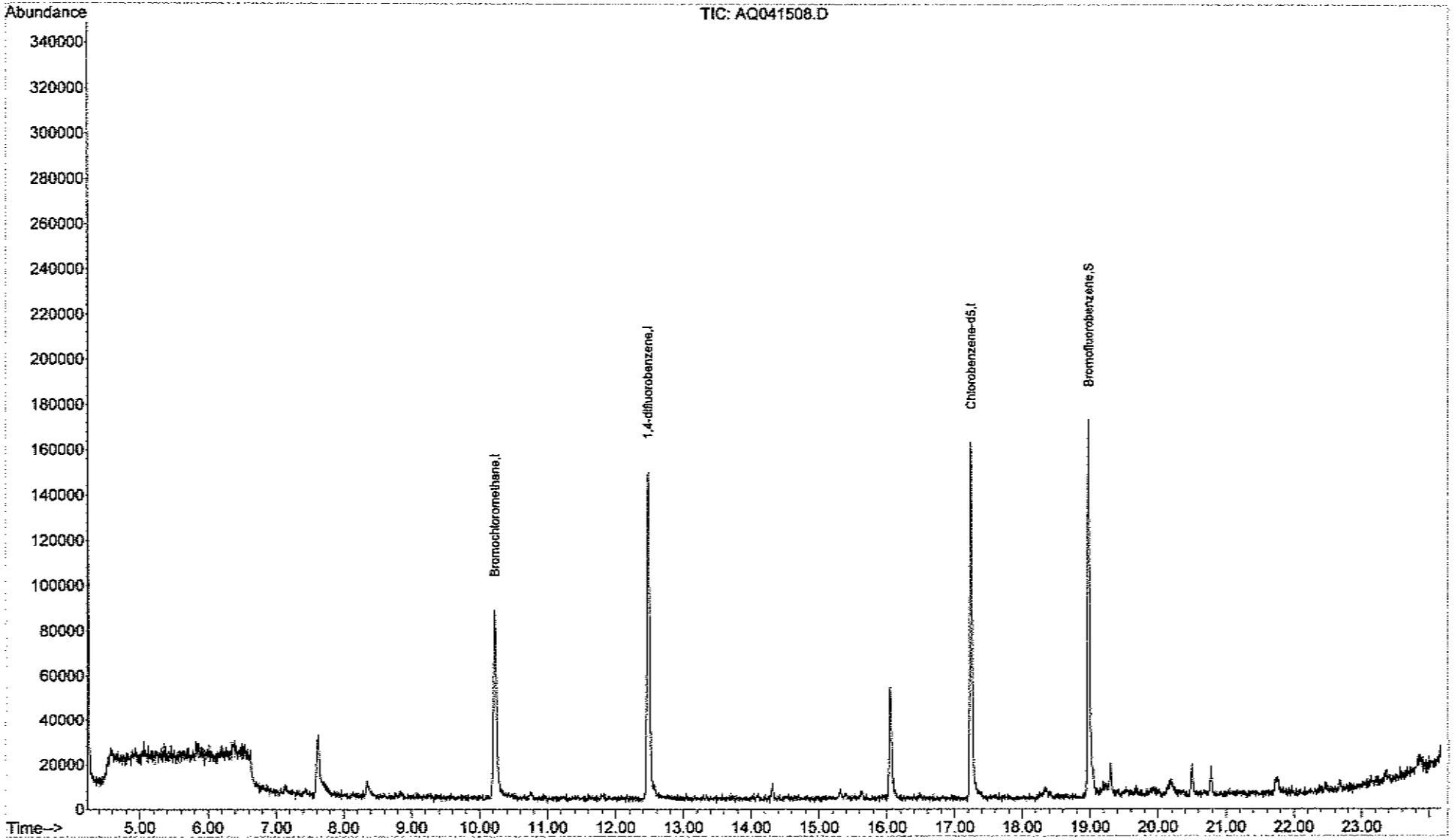
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	10.23	128	40784	1.00	ppb	0.00
35) 1,4-difluorobenzene	12.48	114	170468	1.00	ppb	0.00
50) Chlorobenzene-d5	17.24	117	124110	1.00	ppb	0.00
System Monitoring Compounds						
65) Bromofluorobenzene	18.98	95	69460	0.87	ppb	0.00
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\2019APR\AQ041508.D Vial: 10
Acq On : 15 Apr 2019 2:52 pm Operator: RJP
Sample : WAC041519A Inst : MSD #1
Misc : A409_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 15 15:38 2019 Quant Results File: A408_1UG.RES

Method : C:\HPCHEM\1\METHODS\A717_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed Jul 17 21:42:36 2019
Response via : Initial Calibration



Centek Laboratories, LLC

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\2019APR\AQ041509.D Vial: 11
Acq On : 15 Apr 2019 3:30 pm Operator: RJP
Sample : WAC041519B Inst : MSD #1
Misc : A409_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 16 09:32:32 2019 Quant Results File: A408_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A408_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Tue Apr 09 20:38:26 2019
Response via : Initial Calibration
DataAcq Meth : 1UG_RUN

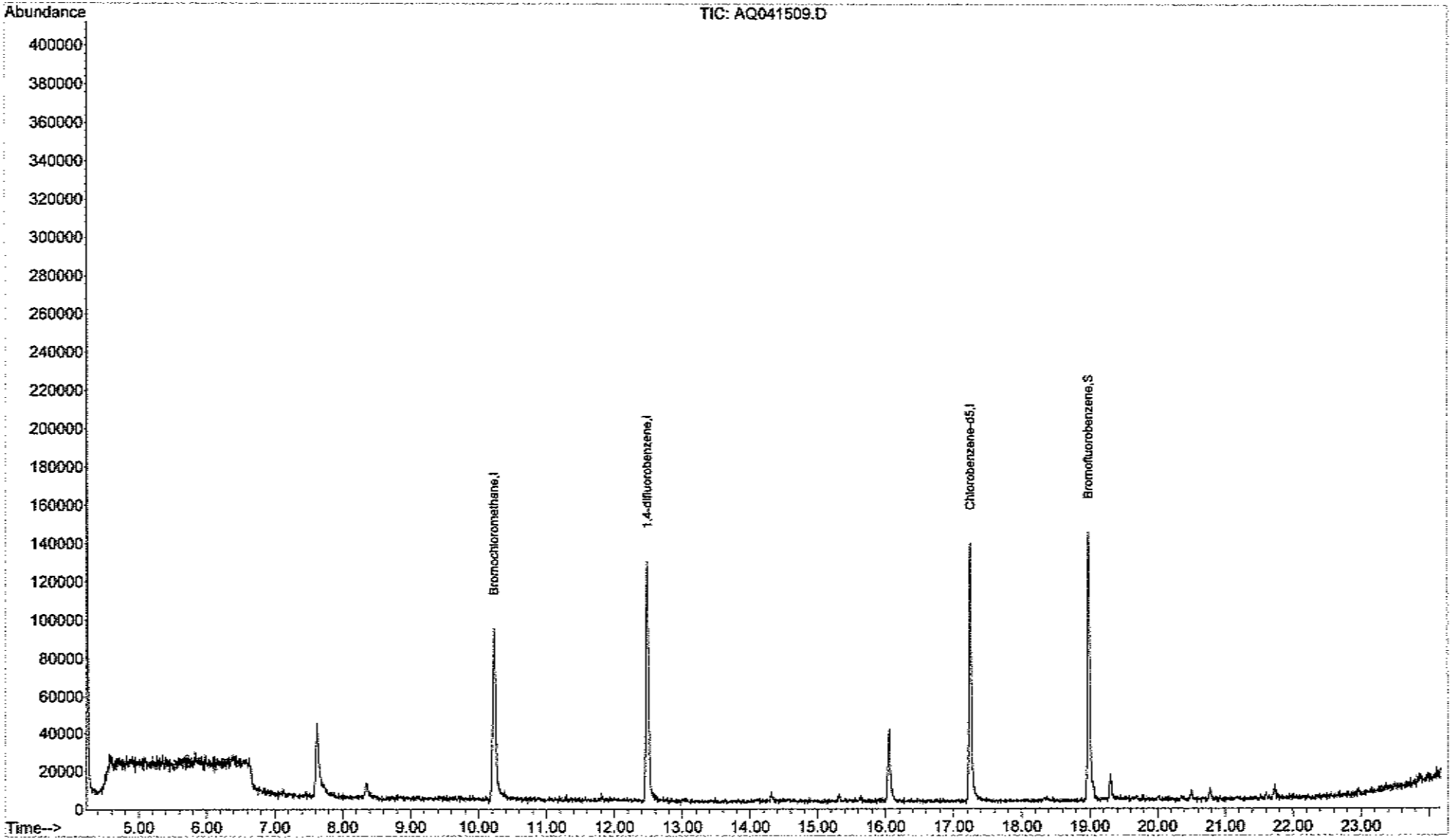
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	10.23	128	43343	1.00	ppb	0.00
35) 1,4-difluorobenzene	12.48	114	146184	1.00	ppb	0.00
50) Chlorobenzene-d5	17.24	117	109009	1.00	ppb	0.00
System Monitoring Compounds						
65) Bromofluorobenzene	18.98	95	59111	0.85	ppb	0.00
Spiked Amount 1.000	Range 70 - 130		Recovery = 85.00%			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\2019APR\AQ041509.D Vial: 11
Acq On : 15 Apr 2019 3:30 pm Operator: RJP
Sample : WAC041519B Inst : MSD #1
Misc : A409_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 16 9:32 2019 Quant Results File: A408_1UG.RES

Method : C:\HPCHEM\1\METHODS\A717_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed Jul 17 21:42:36 2019
Response via : Initial Calibration



Centek Laboratories, LLC

APPENDIX 7

DATA USABILITY SUMMARY REPORTS

DATA USABILITY SUMMARY REPORT

for

LaBella Associates, P.C.

300 State Street

Rochester, NY 14614

113-117 CLINTON STREET
Project 2161120
SDG: C2012057
Sampled 12/28/2020 - 12/29/2020

TO-15 AIR SAMPLES

IA-01	(C2012057-1)
IA-02(MS/MSD)	(C2012057-2)
OA-01	(C2012057-3)
DUPLICATE	(C2012057-4)

DATA ASSESSMENT

A TO-15 data package containing analytical results for four air samples was received from LaBella Associates, P.C. on 16Feb21. The ASP deliverables package included formal reports, raw data, the necessary QC, and supporting information. The samples, taken from the 113-117 Clinton 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 IA-02(MS/MSD) and Duplicate have been qualified as estimations because the sampling was not terminated at the proper level of vacuum.

The tetrachloroethene and 1,2-dichlorobenzene results from IA-02(MS/MSD) have been qualified as estimations due to low spiked sample recoveries.

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

CORRECTNESS AND USABILITY

Reported data should be considered technically defensible and completely usable in its present form. Results presenting a usable estimation of the conditions at the time of sampling have been flagged "J", "U" or "U". 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: James B. Baldwin
DATAVAL, Inc. Date: 19Feb21

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.

This sample delivery group contained three air samples that were collected in 1-liter SUMMA canisters. IA-02 was collected in a 1.4-liter canister to facilitate the preparation of MS/MSD samples. Sampling was completed on 28Dec20 and 29Dec20. The canisters were shipped back to the laboratory, via UPS-Ground, on 29Dec20 and were received on 30Dec20. Although the sample canisters were received intact, custody seals were not present on the packaging.

Although each SUMMA canister was set in the laboratory to collect an 24-hour sample, the sampling was terminated after 21.25-22.75 hours based on the canister vacuum readings. The post sampling vacuum readings from IA-01 and OA-01 satisfied the ASP requirement of -5±1"Hg. The results reported from IA-02(MS/MSD) and the Duplicate have been qualified as estimations because the final vacuum readings did not satisfy the program requirement.

SAMPLE	PRIOR TO SHIPMENT ("Hg)	PRIOR TO SAMPLING ("Hg)	POST SAMPLING ("Hg)	LAB RECEIPT ("Hg)	LAB ANALYSIS ("Hg)
IA-01	-30	-30	-4	-5	-5
IA-02(MS/MSD)	-30	-30	-7	-7	-7
OA-01	-30	-30	-4	-1	-2
Duplicate	-30	-28.5	-0.5	-3	-3

The differences observed between the post sampling vacuum readings and the readings obtained in the laboratory are assumed to reflect the quality of the canister vacuum gauges.

The analysis of this group of samples was completed on 28Dec20 and 29Dec20, satisfying the ASP holding time limitation.

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 three 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.

One method blank was analyzed with this group of samples. This blank demonstrated acceptable chromatography and was free of targeted analyte contamination.

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 for VOC was performed on 01Jan21. 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.

A continuing calibration check standard was analyzed on 02Jan21, prior to the 24-hour period of instrument operation that included samples from this program. When compared to the initial calibration, each analyte targeted by this program demonstrated an acceptable level of instrument stability.

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

Although surrogate summary sheets were properly prepared, the laboratory's acceptance criteria was not documented. However, when compared to the ASP requirements, an acceptable recovery was reported for each surrogate addition to this group of samples.

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 standard. 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.

Internal standard retention times were not addressed by the laboratory. The ASP retention time acceptance criteria was calculated by this reviewer. The retention times produced by each program sample satisfied these requirements.

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.

IA-02(MS/MSD) was selected for matrix spiking. The entire list of targeted analytes was added to two volumes of this sample. The recoveries reported for these spikes included elevated results for 1,3-butadiene (2310%,2160%), chloromethane (164%,140%), propylene (1480%,1400%), vinyl bromide (144%) and 1,2,4-trichlorobenzene (136%) and low recoveries of tetrachloroethene (55%) and 1,2-dichlorobenzene (57%). The positive bias indicated by the high recoveries of 1,3-butadiene, chloromethane, propylene, vinyl bromide and 1,2,4-trichlorobenzene warrants no concern because these analytes were not detected in IA-02(MS/MSD). The tetrachloroethene (CL4ENE) and 1,2-dichlorobenzene (12DCBENZ) results from IA-02(MS/MSD) have been qualified as estimations.

One spiked blank (LCS) was also analyzed with this group of samples. The recoveries reported from this LCS sample demonstrated acceptable levels of measurement accuracy.

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.

The duplicate sample that was included in this delivery group was not identified.

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

SUMMARY OF QUALIFIED DATA

113-117 CLINTON NORTH

SAMPLED DECEMBER 2020

		SAMPLING	SPIKES CL4ENE	SPIKES 12DCBENZ	SPECTRA ID IPA
IA-01	(C2012057-1)				27U
IA-02(MS/MSD)	(C2012057-2)	ALL J/UJ	23J	0.90UJ	28UJ
OA-01	(C2012057-3)				3.9U
DUPLICATE	(C2012057-4)	ALL J/UJ			20UJ

Centek Laboratories, LLC

Date: *12-Jan-21*

CLIENT:	LaBella Associates, P.C.	**Client Sample ID:**	IA-01
Lab Order:	C2012057	**Tag Number:**	1185,447
Project:	113-117 N Clinton SVI Heating Season	**Collection Date:**	12/29/2020
Lab ID:	C2012057-001A	**Matrix:**	AIR

Analyses	Result	DL	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		**TO-15**				Analyst: RJP
1,1,1-Trichloroethane	< 0.82	0.82		ug/m3	1	1/2/2021 2:00:00 PM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		ug/m3	1	1/2/2021 2:00:00 PM
1,1,2-Trichloroethane	< 0.82	0.82		ug/m3	1	1/2/2021 2:00:00 PM
1,1-Dichloroethane	< 0.61	0.61		ug/m3	1	1/2/2021 2:00:00 PM
1,1-Dichloroethene	< 0.16	0.16		ug/m3	1	1/2/2021 2:00:00 PM
1,2,4-Trichlorobenzene	< 1.1	1.1		ug/m3	1	1/2/2021 2:00:00 PM
1,2,4-Trimethylbenzene –	1.1	0.74		ug/m3	1	1/2/2021 2:00:00 PM
1,2-Dibromoethane	< 1.2	1.2		ug/m3	1	1/2/2021 2:00:00 PM
1,2-Dichlorobenzene	< 0.90	0.90		ug/m3	1	1/2/2021 2:00:00 PM
1,2-Dichloroethane	< 0.61	0.61		ug/m3	1	1/2/2021 2:00:00 PM
1,2-Dichloropropane	< 0.69	0.69		ug/m3	1	1/2/2021 2:00:00 PM
1,3,5-Trimethylbenzene –	2.0	0.74		ug/m3	1	1/2/2021 2:00:00 PM
1,3-butadiene	< 0.33	0.33		ug/m3	1	1/2/2021 2:00:00 PM
1,3-Dichlorobenzene	< 0.90	0.90		ug/m3	1	1/2/2021 2:00:00 PM
1,4-Dichlorobenzene	< 0.90	0.90		ug/m3	1	1/2/2021 2:00:00 PM
1,4-Dioxane	< 1.1	1.1		ug/m3	1	1/2/2021 2:00:00 PM
2,2,4-trimethylpentane	< 0.70	0.70		ug/m3	1	1/2/2021 2:00:00 PM
4-ethyltoluene	< 0.74	0.74		ug/m3	1	1/2/2021 2:00:00 PM
Acetone	37	7.1		ug/m3	10	1/2/2021 7:08:00 PM
Allyl chloride	< 0.47	0.47		ug/m3	1	1/2/2021 2:00:00 PM
Benzene –	0.83	0.48		ug/m3	1	1/2/2021 2:00:00 PM
Benzyl chloride	< 0.86	0.86		ug/m3	1	1/2/2021 2:00:00 PM
Bromodichloromethane	< 1.0	1.0		ug/m3	1	1/2/2021 2:00:00 PM
Bromoform	< 1.6	1.6		ug/m3	1	1/2/2021 2:00:00 PM
Bromomethane	< 0.58	0.58		ug/m3	1	1/2/2021 2:00:00 PM
Carbon disulfide –	0.37	0.47	J	ug/m3	1	1/2/2021 2:00:00 PM
Carbon tetrachloride –	0.57	0.19		ug/m3	1	1/2/2021 2:00:00 PM
Chlorobenzene	< 0.69	0.69		ug/m3	1	1/2/2021 2:00:00 PM
Chloroethane	< 0.40	0.40		ug/m3	1	1/2/2021 2:00:00 PM
Chloroform –	1.9	0.73		ug/m3	1	1/2/2021 2:00:00 PM
Chloromethane	< 0.31	0.31		ug/m3	1	1/2/2021 2:00:00 PM
cis-1,2-Dichloroethene	< 0.16	0.16		ug/m3	1	1/2/2021 2:00:00 PM
cis-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	1/2/2021 2:00:00 PM
Cyclohexane –	0.38	0.52	J	ug/m3	1	1/2/2021 2:00:00 PM
Dibromochloromethane	< 1.3	1.3		ug/m3	1	1/2/2021 2:00:00 PM
Ethyl acetate –	1.2	0.54		ug/m3	1	1/2/2021 2:00:00 PM
Ethylbenzene –	0.48	0.65	J	ug/m3	1	1/2/2021 2:00:00 PM
Freon 11 –	1.3	0.84		ug/m3	1	1/2/2021 2:00:00 PM
Freon 113	< 1.1	1.1		ug/m3	1	1/2/2021 2:00:00 PM
Freon 114	< 1.0	1.0		ug/m3	1	1/2/2021 2:00:00 PM

Qualifiers:

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

Centek Laboratories, LLC

Date: *12-Jan-21*

CLIENT:	LaBella Associates, P.C.	**Client Sample ID:**	IA-01
Lab Order:	C2012057	**Tag Number:**	1185,447
Project:	113-117 N Clinton SVI Heating Season	**Collection Date:**	12/29/2020
Lab ID:	C2012057-001A	**Matrix:**	AIR

Analyses	Result	DL	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		**TO-15**				Analyst: **RJP**
Freon 12	2.3	0.74		ug/m3	1	1/2/2021 2:00:00 PM
Heptane	0.98	0.61		ug/m3	1	1/2/2021 2:00:00 PM
Hexachloro-1,3-butadiene	< 1.6	1.6		ug/m3	1	1/2/2021 2:00:00 PM
Hexane	0.74	0.53		ug/m3	1	1/2/2021 2:00:00 PM
Isopropyl alcohol	27 U	3.7		ug/m3	10	1/2/2021 7:08:00 PM
m&p-Xylene	1.6	1.3		ug/m3	1	1/2/2021 2:00:00 PM
Methyl Butyl Ketone	< 1.2	1.2		ug/m3	1	1/2/2021 2:00:00 PM
Methyl Ethyl Ketone	4.5	0.88		ug/m3	1	1/2/2021 2:00:00 PM
Methyl Isobutyl Ketone	0.66	1.2	J	ug/m3	1	1/2/2021 2:00:00 PM
Methyl tert-butyl ether	< 0.54	0.54		ug/m3	1	1/2/2021 2:00:00 PM
Methylene chloride	2.3	0.52		ug/m3	1	1/2/2021 2:00:00 PM
o-Xylene	0.65	0.65		ug/m3	1	1/2/2021 2:00:00 PM
Propylene	< 0.26	0.26		ug/m3	1	1/2/2021 2:00:00 PM
Styrene	0.89	0.64		ug/m3	1	1/2/2021 2:00:00 PM
Tetrachloroethylene	24	10		ug/m3	10	1/2/2021 7:08:00 PM
Tetrahydrofuran	1.3	0.44		ug/m3	1	1/2/2021 2:00:00 PM
Toluene	4.3	0.57		ug/m3	1	1/2/2021 2:00:00 PM
trans-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	1/2/2021 2:00:00 PM
trans-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	1/2/2021 2:00:00 PM
Trichloroethene	0.64	0.16		ug/m3	1	1/2/2021 2:00:00 PM
Vinyl acetate	< 0.53	0.53		ug/m3	1	1/2/2021 2:00:00 PM
Vinyl Bromide	< 0.66	0.66		ug/m3	1	1/2/2021 2:00:00 PM
Vinyl chloride	< 0.10	0.10		ug/m3	1	1/2/2021 2:00:00 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: *12-Jan-21*

CLIENT:	LaBella Associates, P.C.	**Client Sample ID:**	IA-02 (MS/MSD)
Lab Order:	C2012057	**Tag Number:**	1201,509
Project:	113-117 N Clinton SVI Heating Season	**Collection Date:**	12/29/2020
Lab ID:	C2012057-002A	**Matrix:**	AIR

Analyses	Result	DL	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		**TO-15**				Analyst: RJP
1,1,1-Trichloroethane	< 0.82	0.82		ug/m3	1	1/2/2021 2:45:00 PM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		ug/m3	1	1/2/2021 2:45:00 PM
1,1,2-Trichloroethane	< 0.82	0.82		ug/m3	1	1/2/2021 2:45:00 PM
1,1-Dichloroethane	< 0.61	0.61		ug/m3	1	1/2/2021 2:45:00 PM
1,1-Dichloroethene	< 0.16	0.16		ug/m3	1	1/2/2021 2:45:00 PM
1,2,4-Trichlorobenzene	< 1.1	1.1		ug/m3	1	1/2/2021 2:45:00 PM
1,2,4-Trimethylbenzene	1.0 J	0.74		ug/m3	1	1/2/2021 2:45:00 PM
1,2-Dibromoethane	< 1.2	1.2		ug/m3	1	1/2/2021 2:45:00 PM
1,2-Dichlorobenzene	< 0.90	0.90		ug/m3	1	1/2/2021 2:45:00 PM
1,2-Dichloroethane	< 0.61	0.61		ug/m3	1	1/2/2021 2:45:00 PM
1,2-Dichloropropane	< 0.69	0.69		ug/m3	1	1/2/2021 2:45:00 PM
1,3,5-Trimethylbenzene	1.6 J	0.74		ug/m3	1	1/2/2021 2:45:00 PM
1,3-butadiene	< 0.33	0.33		ug/m3	1	1/2/2021 2:45:00 PM
1,3-Dichlorobenzene	< 0.90	0.90		ug/m3	1	1/2/2021 2:45:00 PM
1,4-Dichlorobenzene	< 0.90	0.90		ug/m3	1	1/2/2021 2:45:00 PM
1,4-Dioxane	< 1.1	1.1		ug/m3	1	1/2/2021 2:45:00 PM
2,2,4-trimethylpentane	< 0.70	0.70		ug/m3	1	1/2/2021 2:45:00 PM
4-ethyltoluene	< 0.74	0.74		ug/m3	1	1/2/2021 2:45:00 PM
Acetone	28 J	7.1		ug/m3	10	1/2/2021 7:51:00 PM
Allyl chloride	< 0.47	0.47		ug/m3	1	1/2/2021 2:45:00 PM
Benzene	0.73 J	0.48		ug/m3	1	1/2/2021 2:45:00 PM
Benzyl chloride	< 0.86	0.86		ug/m3	1	1/2/2021 2:45:00 PM
Bromodichloromethane	< 1.0	1.0		ug/m3	1	1/2/2021 2:45:00 PM
Bromoform	< 1.6	1.6		ug/m3	1	1/2/2021 2:45:00 PM
Bromomethane	< 0.58	0.58		ug/m3	1	1/2/2021 2:45:00 PM
Carbon disulfide	< 0.47	0.47		ug/m3	1	1/2/2021 2:45:00 PM
Carbon tetrachloride	0.50 J	0.19		ug/m3	1	1/2/2021 2:45:00 PM
Chlorobenzene	< 0.69	0.69		ug/m3	1	1/2/2021 2:45:00 PM
Chloroethane	< 0.40	0.40		ug/m3	1	1/2/2021 2:45:00 PM
Chloroform	2.0 J	0.73		ug/m3	1	1/2/2021 2:45:00 PM
Chloromethane	< 0.31	0.31		ug/m3	1	1/2/2021 2:45:00 PM
cis-1,2-Dichloroethene	< 0.16	0.16		ug/m3	1	1/2/2021 2:45:00 PM
cis-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	1/2/2021 2:45:00 PM
Cyclohexane	< 0.52	0.52		ug/m3	1	1/2/2021 2:45:00 PM
Dibromochloromethane	< 1.3	1.3		ug/m3	1	1/2/2021 2:45:00 PM
Ethyl acetate	1.2 J	0.54		ug/m3	1	1/2/2021 2:45:00 PM
Ethylbenzene	0.48 J	0.65	J	ug/m3	1	1/2/2021 2:45:00 PM
Freon 11	1.3 J	0.84		ug/m3	1	1/2/2021 2:45:00 PM
Freon 113	< 1.1	1.1		ug/m3	1	1/2/2021 2:45:00 PM
Freon 114	< 1.0	1.0		ug/m3	1	1/2/2021 2:45:00 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: *12-Jan-21*

CLIENT:	LaBella Associates, P.C.	**Client Sample ID:**	IA-02 (MS/MSD)
Lab Order:	C2012057	**Tag Number:**	1201,509
Project:	113-117 N Clinton SVI Heating Season	**Collection Date:**	12/29/2020
Lab ID:	C2012057-002A	**Matrix:**	AIR

Analyses	Result	DL	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		**TO-15**				Analyst: RJP
Freon 12	2.2 J	0.74		ug/m3	1	1/2/2021 2:45:00 PM
Heptane	0.94 J	0.61		ug/m3	1	1/2/2021 2:45:00 PM
Hexachloro-1,3-butadiene	< 1.6 UJ	1.6		ug/m3	1	1/2/2021 2:45:00 PM
Hexane	0.74 J	0.53		ug/m3	1	1/2/2021 2:45:00 PM
Isopropyl alcohol	28 UJ	3.7		ug/m3	10	1/2/2021 7:51:00 PM
m&p-Xylene	1.6 J	1.3		ug/m3	1	1/2/2021 2:45:00 PM
Methyl Butyl Ketone	< 1.2 UJ	1.2		ug/m3	1	1/2/2021 2:45:00 PM
Methyl Ethyl Ketone	4.5 J	0.88		ug/m3	1	1/2/2021 2:45:00 PM
Methyl Isobutyl Ketone	0.70 J	1.2	J	ug/m3	1	1/2/2021 2:45:00 PM
Methyl tert-butyl ether	< 0.54 UJ	0.54		ug/m3	1	1/2/2021 2:45:00 PM
Methylene chloride	2.4 J	0.52		ug/m3	1	1/2/2021 2:45:00 PM
o-Xylene	0.61 J	0.65	J	ug/m3	1	1/2/2021 2:45:00 PM
Propylene	< 0.26 UJ	0.26		ug/m3	1	1/2/2021 2:45:00 PM
Styrene	0.89 J	0.64		ug/m3	1	1/2/2021 2:45:00 PM
Tetrachloroethylene	23 J	10		ug/m3	10	1/2/2021 7:51:00 PM
Tetrahydrofuran	1.4 J	0.44		ug/m3	1	1/2/2021 2:45:00 PM
Toluene	4.3 J	0.57		ug/m3	1	1/2/2021 2:45:00 PM
trans-1,2-Dichloroethene	< 0.59 UJ	0.59		ug/m3	1	1/2/2021 2:45:00 PM
trans-1,3-Dichloropropene	< 0.68 UJ	0.68		ug/m3	1	1/2/2021 2:45:00 PM
Trichloroethene	0.59 J	0.16		ug/m3	1	1/2/2021 2:45:00 PM
Vinyl acetate	< 0.53 UJ	0.53		ug/m3	1	1/2/2021 2:45:00 PM
Vinyl Bromide	< 0.66 UJ	0.66		ug/m3	1	1/2/2021 2:45:00 PM
Vinyl chloride	< 0.10	0.10		ug/m3	1	1/2/2021 2:45:00 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: *12-Jan-21*

CLIENT:	LaBella Associates, P.C.	**Client Sample ID:**	OA-01
Lab Order:	C2012057	**Tag Number:**	205,377
Project:	113-117 N Clinton SVI Heating Season	**Collection Date:**	12/29/2020
Lab ID:	C2012057-003A	**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: **RJP**
1,1,1-Trichloroethane	< 0.82	0.82		ug/m3	1	1/2/2021 5:40:00 PM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		ug/m3	1	1/2/2021 5:40:00 PM
1,1,2-Trichloroethane	< 0.82	0.82		ug/m3	1	1/2/2021 5:40:00 PM
1,1-Dichloroethane	< 0.61	0.61		ug/m3	1	1/2/2021 5:40:00 PM
1,1-Dichloroethene	< 0.16	0.16		ug/m3	1	1/2/2021 5:40:00 PM
1,2,4-Trichlorobenzene	< 1.1	1.1		ug/m3	1	1/2/2021 5:40:00 PM
1,2,4-Trimethylbenzene	< 0.74	0.74		ug/m3	1	1/2/2021 5:40:00 PM
1,2-Dibromoethane	< 1.2	1.2		ug/m3	1	1/2/2021 5:40:00 PM
1,2-Dichlorobenzene	< 0.90	0.90		ug/m3	1	1/2/2021 5:40:00 PM
1,2-Dichloroethane	< 0.61	0.61		ug/m3	1	1/2/2021 5:40:00 PM
1,2-Dichloropropane	< 0.69	0.69		ug/m3	1	1/2/2021 5:40:00 PM
1,3,5-Trimethylbenzene	< 0.74	0.74		ug/m3	1	1/2/2021 5:40:00 PM
1,3-butadiene	< 0.33	0.33		ug/m3	1	1/2/2021 5:40:00 PM
1,3-Dichlorobenzene	< 0.90	0.90		ug/m3	1	1/2/2021 5:40:00 PM
1,4-Dichlorobenzene	< 0.90	0.90		ug/m3	1	1/2/2021 5:40:00 PM
1,4-Dioxane	< 1.1	1.1		ug/m3	1	1/2/2021 5:40:00 PM
2,2,4-trimethylpentane	< 0.70	0.70		ug/m3	1	1/2/2021 5:40:00 PM
4-ethyltoluene	< 0.74	0.74		ug/m3	1	1/2/2021 5:40:00 PM
Acetone -	10	7.1		ug/m3	10	1/2/2021 8:35:00 PM
Allyl chloride	< 0.47	0.47		ug/m3	1	1/2/2021 5:40:00 PM
Benzene -	0.45	0.48	J	ug/m3	1	1/2/2021 5:40:00 PM
Benzyl chloride	< 0.86	0.86		ug/m3	1	1/2/2021 5:40:00 PM
Bromodichloromethane	< 1.0	1.0		ug/m3	1	1/2/2021 5:40:00 PM
Bromoform	< 1.6	1.6		ug/m3	1	1/2/2021 5:40:00 PM
Bromomethane	< 0.58	0.58		ug/m3	1	1/2/2021 5:40:00 PM
Carbon disulfide -	0.47	0.47		ug/m3	1	1/2/2021 5:40:00 PM
Carbon tetrachloride -	0.57	0.19		ug/m3	1	1/2/2021 5:40:00 PM
Chlorobenzene	< 0.69	0.69		ug/m3	1	1/2/2021 5:40:00 PM
Chloroethane	< 0.40	0.40		ug/m3	1	1/2/2021 5:40:00 PM
Chloroform	< 0.73	0.73		ug/m3	1	1/2/2021 5:40:00 PM
Chloromethane -	0.89	0.31		ug/m3	1	1/2/2021 5:40:00 PM
cis-1,2-Dichloroethene	< 0.16	0.16		ug/m3	1	1/2/2021 5:40:00 PM
cis-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	1/2/2021 5:40:00 PM
Cyclohexane	< 0.52	0.52		ug/m3	1	1/2/2021 5:40:00 PM
Dibromochloromethane	< 1.3	1.3		ug/m3	1	1/2/2021 5:40:00 PM
Ethyl acetate	< 0.54	0.54		ug/m3	1	1/2/2021 5:40:00 PM
Ethylbenzene	< 0.65	0.65		ug/m3	1	1/2/2021 5:40:00 PM
Freon 11 -	1.2	0.84		ug/m3	1	1/2/2021 5:40:00 PM
Freon 113	< 1.1	1.1		ug/m3	1	1/2/2021 5:40:00 PM
Freon 114	< 1.0	1.0		ug/m3	1	1/2/2021 5:40:00 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: *12-Jan-21*

CLIENT:	LaBella Associates, P.C.	**Client Sample ID:**	OA-01
Lab Order:	C2012057	**Tag Number:**	205,377
Project:	113-117 N Clinton SVI Heating Season	**Collection Date:**	12/29/2020
Lab ID:	C2012057-003A	**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: RJP
Freon 12 –	2.4	0.74		ug/m3	1	1/2/2021 5:40:00 PM
Heptane	< 0.61	0.61		ug/m3	1	1/2/2021 5:40:00 PM
Hexachloro-1,3-butadiene	< 1.6	1.6		ug/m3	1	1/2/2021 5:40:00 PM
Hexane	< 0.53	0.53		ug/m3	1	1/2/2021 5:40:00 PM
Isopropyl alcohol	3.9 U	0.37		ug/m3	1	1/2/2021 5:40:00 PM
m&p-Xylene	< 1.3	1.3		ug/m3	1	1/2/2021 5:40:00 PM
Methyl Butyl Ketone	< 1.2	1.2		ug/m3	1	1/2/2021 5:40:00 PM
Methyl Ethyl Ketone –	0.59	0.88	J	ug/m3	1	1/2/2021 5:40:00 PM
Methyl Isobutyl Ketone	< 1.2	1.2		ug/m3	1	1/2/2021 5:40:00 PM
Methyl tert-butyl ether	< 0.54	0.54		ug/m3	1	1/2/2021 5:40:00 PM
Methylene chloride –	0.52	0.52		ug/m3	1	1/2/2021 5:40:00 PM
o-Xylene	< 0.65	0.65		ug/m3	1	1/2/2021 5:40:00 PM
Propylene	< 0.26	0.26		ug/m3	1	1/2/2021 5:40:00 PM
Styrene	< 0.64	0.64		ug/m3	1	1/2/2021 5:40:00 PM
Tetrachloroethylene	< 1.0	1.0		ug/m3	1	1/2/2021 5:40:00 PM
Tetrahydrofuran	< 0.44	0.44		ug/m3	1	1/2/2021 5:40:00 PM
Toluene –	0.41	0.57	J	ug/m3	1	1/2/2021 5:40:00 PM
trans-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	1/2/2021 5:40:00 PM
trans-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	1/2/2021 5:40:00 PM
Trichloroethene	< 0.16	0.16		ug/m3	1	1/2/2021 5:40:00 PM
Vinyl acetate	< 0.53	0.53		ug/m3	1	1/2/2021 5:40:00 PM
Vinyl Bromide	< 0.66	0.66		ug/m3	1	1/2/2021 5:40:00 PM
Vinyl chloride	< 0.10	0.10		ug/m3	1	1/2/2021 5:40:00 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: *12-Jan-21*

CLIENT:	LaBella Associates, P.C.	**Client Sample ID:**	Duplicate
Lab Order:	C2012057	**Tag Number:**	328,385
Project:	113-117 N Clinton SVI Heating Season	**Collection Date:**	12/29/2020
Lab ID:	C2012057-004A	**Matrix:**	AIR

Analyses	Result	DL	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		**TO-15**				Analyst: RJP
1,1,1-Trichloroethane	< 0.82	0.82		ug/m3	1	1/2/2021 6:24:00 PM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		ug/m3	1	1/2/2021 6:24:00 PM
1,1,2-Trichloroethane	< 0.82	0.82		ug/m3	1	1/2/2021 6:24:00 PM
1,1-Dichloroethane	< 0.61	0.61		ug/m3	1	1/2/2021 6:24:00 PM
1,1-Dichloroethene	< 0.16	0.16		ug/m3	1	1/2/2021 6:24:00 PM
1,2,4-Trichlorobenzene	< 1.1	1.1		ug/m3	1	1/2/2021 6:24:00 PM
1,2,4-Trimethylbenzene	1.2 J	0.74		ug/m3	1	1/2/2021 6:24:00 PM
1,2-Dibromoethane	< 1.2	1.2		ug/m3	1	1/2/2021 6:24:00 PM
1,2-Dichlorobenzene	< 0.90	0.90		ug/m3	1	1/2/2021 6:24:00 PM
1,2-Dichloroethane	< 0.61	0.61		ug/m3	1	1/2/2021 6:24:00 PM
1,2-Dichloropropane	< 0.69	0.69		ug/m3	1	1/2/2021 6:24:00 PM
1,3,5-Trimethylbenzene	1.7 J	0.74		ug/m3	1	1/2/2021 6:24:00 PM
1,3-butadiene	< 0.33	0.33		ug/m3	1	1/2/2021 6:24:00 PM
1,3-Dichlorobenzene	< 0.90	0.90		ug/m3	1	1/2/2021 6:24:00 PM
1,4-Dichlorobenzene	< 0.90	0.90		ug/m3	1	1/2/2021 6:24:00 PM
1,4-Dioxane	< 1.1	1.1		ug/m3	1	1/2/2021 6:24:00 PM
2,2,4-trimethylpentane	< 0.70	0.70		ug/m3	1	1/2/2021 6:24:00 PM
4-ethyltoluene	< 0.74	0.74		ug/m3	1	1/2/2021 6:24:00 PM
Acetone	28 J	7.1		ug/m3	10	1/2/2021 9:18:00 PM
Allyl chloride	< 0.47	0.47		ug/m3	1	1/2/2021 6:24:00 PM
Benzene	0.80 J	0.48		ug/m3	1	1/2/2021 6:24:00 PM
Benzyl chloride	< 0.86	0.86		ug/m3	1	1/2/2021 6:24:00 PM
Bromodichloromethane	< 1.0	1.0		ug/m3	1	1/2/2021 6:24:00 PM
Bromoform	< 1.6	1.6		ug/m3	1	1/2/2021 6:24:00 PM
Bromomethane	< 0.58	0.58		ug/m3	1	1/2/2021 6:24:00 PM
Carbon disulfide	< 0.47	0.47		ug/m3	1	1/2/2021 6:24:00 PM
Carbon tetrachloride	0.57 J	0.19		ug/m3	1	1/2/2021 6:24:00 PM
Chlorobenzene	< 0.69	0.69		ug/m3	1	1/2/2021 6:24:00 PM
Chloroethane	< 0.40	0.40		ug/m3	1	1/2/2021 6:24:00 PM
Chloroform	2.0 J	0.73		ug/m3	1	1/2/2021 6:24:00 PM
Chloromethane	< 0.31	0.31		ug/m3	1	1/2/2021 6:24:00 PM
cis-1,2-Dichloroethene	< 0.16	0.16		ug/m3	1	1/2/2021 6:24:00 PM
cis-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	1/2/2021 6:24:00 PM
Cyclohexane	< 0.52	0.52		ug/m3	1	1/2/2021 6:24:00 PM
Dibromochloromethane	< 1.3	1.3		ug/m3	1	1/2/2021 6:24:00 PM
Ethyl acetate	1.3 J	0.54		ug/m3	1	1/2/2021 6:24:00 PM
Ethylbenzene	0.48 J	0.65	J	ug/m3	1	1/2/2021 6:24:00 PM
Freon 11	1.4 J	0.84		ug/m3	1	1/2/2021 6:24:00 PM
Freon 113	< 1.1	1.1		ug/m3	1	1/2/2021 6:24:00 PM
Freon 114	< 1.0	1.0		ug/m3	1	1/2/2021 6:24:00 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: *12-Jan-21*

CLIENT:	LaBella Associates, P.C.	**Client Sample ID:**	Duplicate
Lab Order:	C2012057	**Tag Number:**	328.385
Project:	113-117 N Clinton SVI Heating Season	**Collection Date:**	12/29/2020
Lab ID:	C2012057-004A	**Matrix:**	AIR

Analyses	Result	DL	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		**TO-15**				Analyst: **RJP**
Freon 12	2.4 J	0.74		ug/m3	1	1/2/2021 6:24:00 PM
Heptane	1.0 J	0.61		ug/m3	1	1/2/2021 6:24:00 PM
Hexachloro-1,3-butadiene	< 1.6 UJ	1.6		ug/m3	1	1/2/2021 6:24:00 PM
Hexane	0.81 J	0.53		ug/m3	1	1/2/2021 6:24:00 PM
Isopropyl alcohol	20 UJ	3.7		ug/m3	10	1/2/2021 9:18:00 PM
m&p-Xylene	1.6 J	1.3		ug/m3	1	1/2/2021 6:24:00 PM
Methyl Butyl Ketone	< 1.2 UJ	1.2		ug/m3	1	1/2/2021 6:24:00 PM
Methyl Ethyl Ketone	4.9 J	0.88		ug/m3	1	1/2/2021 6:24:00 PM
Methyl Isobutyl Ketone	< 1.2 UJ	1.2		ug/m3	1	1/2/2021 6:24:00 PM
Methyl tert-butyl ether	< 0.54 UJ	0.54		ug/m3	1	1/2/2021 6:24:00 PM
Methylene chloride	2.5 J	0.52		ug/m3	1	1/2/2021 6:24:00 PM
o-Xylene	0.61 J	0.65	J	ug/m3	1	1/2/2021 6:24:00 PM
Propylene	< 0.26 UJ	0.26		ug/m3	1	1/2/2021 6:24:00 PM
Styrene	0.89 J	0.64		ug/m3	1	1/2/2021 6:24:00 PM
Tetrachloroethylene	24 J	10		ug/m3	10	1/2/2021 9:18:00 PM
Tetrahydrofuran	1.3 J	0.44		ug/m3	1	1/2/2021 6:24:00 PM
Toluene	4.1 J	0.57		ug/m3	1	1/2/2021 6:24:00 PM
trans-1,2-Dichloroethene	< 0.59 UJ	0.59		ug/m3	1	1/2/2021 6:24:00 PM
trans-1,3-Dichloropropene	< 0.68 UJ	0.68		ug/m3	1	1/2/2021 6:24:00 PM
Trichloroethene	0.70 J	0.16		ug/m3	1	1/2/2021 6:24:00 PM
Vinyl acetate	< 0.53 UJ	0.53		ug/m3	1	1/2/2021 6:24:00 PM
Vinyl Bromide	< 0.66 UJ	0.66		ug/m3	1	1/2/2021 6:24:00 PM
Vinyl chloride	< 0.10 UJ	0.10		ug/m3	1	1/2/2021 6:24:00 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
GC/MS QA-QC Check Report

Tune File : C:\HPCHEM\1\DATA\AS010202.D
Tune Time : 2 Jan 2021 11:52 am

Daily Calibration File : C:\HPCHEM\1\DATA\AS010202.D

CCV 1/2/21 AS010202

						86419	433513	386165
					(BFB)	9.79	12.09	16.90	(IS1)	(IS2)	(IS3)
									61728	309652	275832
									37037	185791	165499
File	Sample	DL	Surrogate Recovery %			Internal Standard Responses		
AS010203.D	ALCS1UG-010220		100			59268	304550	271060
AS010204.D	AMB1UG-010220		97			60370	305757	268408
AS010205.D	C2012057-001A		98	9.79	12.09	16.90	58368	297511	265369
AS010206.D	C2012057-002A		98	9.80	12.09	16.90	58605	292859	259359
AS010207.D	C2012057-002A	MS	101				59543	301562	267945
AS010208.D	C2012057-002A	MSD	101				59273	301390	270945
AS010209.D	C2012057-003A		100	9.80	12.09	16.90	55660	281241	251290
AS010210.D	C2012057-004A		100	9.80	12.09	16.91	54643	281164	253731
AS010211.D	C2012057-001A	10X	97	9.79	12.09	16.91	54360	270146	241660
AS010212.D	C2012057-002A	10X	98	9.80	12.09	16.91	51288	261962	233860
AS010213.D	C2012057-003A	10X	97	9.80	12.09	16.90	51805	264717	240499
AS010214.D	C2012057-004A	10X	100	9.80	12.09	16.90	51644	262314	235967

t - fails 24hr time check * - fails criteria

Created: Tue Jan 12 09:50:23 2021 MSD #1/

CENTEK LABORATORIES, LLC

Date: *12-Jan-21*

ANALYTICAL QC SUMMARY REPORT

CLIENT: LaBella Associates, P.C.
Work Order: C2012057
Project: 113-117 N Clinton SVI Heating Season

TestCode: 0.20_NYS

Sample ID: ALCS1UG-010220 SampType: LCS TestCode: 0.20_NYS Units: ppbV Prep Date: RunNo: 17128
Client ID: ZZZZZ Batch ID: R17128 TestNo: TO-15 Analysis Date: 1/2/2021 SeqNo: 194599

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	1.010	0.15	1	0	101	91.3	127				
1,1,2,2-Tetrachloroethane	1.050	0.15	1	0	105	78.7	121				
1,1,2-Trichloroethane	1.010	0.15	1	0	101	88.1	136				
1,1-Dichloroethane	1.040	0.15	1	0	104	86.1	123				
1,1-Dichloroethene	1.000	0.040	1	0	100	70	94				S
1,2,4-Trichlorobenzene	1.050	0.15	1	0	105	76.7	112				
1,2,4-Trimethylbenzene	1.020	0.15	1	0	102	74.3	123				
1,2-Dibromoethane	1.050	0.15	1	0	105	80.4	125				
1,2-Dichlorobenzene	1.060	0.15	1	0	106	79.5	143				
1,2-Dichloroethane	1.050	0.15	1	0	105	70.9	133				
1,2-Dichloropropane	1.030	0.15	1	0	103	91	134				
1,3,5-Trimethylbenzene	1.040	0.15	1	0	104	77.4	138				
1,3-butadiene	0.9600	0.15	1	0	96.0	71	144				
1,3-Dichlorobenzene	1.050	0.15	1	0	105	84.7	128				
1,4-Dichlorobenzene	1.060	0.15	1	0	106	77.9	131				
1,4-Dioxane	1.010	0.30	1	0	101	85.1	135				
2,2,4-trimethylpentane	1.030	0.15	1	0	103	86.9	126				
4-ethyltoluene	1.050	0.15	1	0	105	77.5	133				
Acetone	0.9800	0.30	1	0	98.0	80.2	145				
Allyl chloride	1.000	0.15	1	0	100	86.6	117				
Benzene	1.030	0.15	1	0	103	88.9	122				
Benzyl chloride	1.010	0.15	1	0	101	73.6	129				
Bromodichloromethane	1.020	0.15	1	0	102	84.3	133				
Bromoform	0.9500	0.15	1	0	95.0	44.6	149				
Bromomethane	1.070	0.15	1	0	107	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: C2012057
Project: 113-117 N Clinton SVI Heating Season **TestCode: 0.20_NYS**

Sample ID: ALCS1UG-010220 SampType: LCS TestCode: 0.20_NYS Units: ppbV Prep Date: RunNo: 17128
Client ID: ZZZZZ Batch ID: R17128 TestNo: TO-15 Analysis Date: 1/2/2021 SeqNo: 194599

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Carbon disulfide	0.9600	0.15	1	0	96.0	76.9	109				
Carbon tetrachloride	1.020	0.030	1	0	102	71	120				
Chlorobenzene	1.050	0.15	1	0	105	82.6	121				
Chloroethane	1.060	0.15	1	0	106	67.1	146				
Chloroform	1.030	0.15	1	0	103	82.5	125				
Chloromethane	1.060	0.15	1	0	106	71.1	154				
cis-1,2-Dichloroethene	1.030	0.040	1	0	103	71.2	112				
cis-1,3-Dichloropropene	1.010	0.15	1	0	101	90.3	137				
Cyclohexane	1.040	0.15	1	0	104	87	122				
Dibromochloromethane	1.010	0.15	1	0	101	62.8	132				
Ethyl acetate	1.020	0.15	1	0	102	86.9	134				
Ethylbenzene	1.050	0.15	1	0	105	76.9	123				
Freon 11	1.090	0.15	1	0	109	54.4	150				
Freon 113	1.040	0.15	1	0	104	83.4	124				
Freon 114	1.080	0.15	1	0	108	82.4	144				
Freon 12	1.100	0.15	1	0	110	86.3	135				
Heptane	1.020	0.15	1	0	102	86.5	137				
Hexachloro-1,3-butadiene	1.050	0.15	1	0	105	78.7	120				
Hexane	1.030	0.15	1	0	103	77.3	128				
Isopropyl alcohol	1.010	0.15	1	0	101	80.2	122				
m&p-Xylene	2.100	0.30	2	0	105	77.9	132				
Methyl Butyl Ketone	1.070	0.30	1	0	107	69.4	131				
Methyl Ethyl Ketone	1.020	0.30	1	0	102	71.5	117				
Methyl Isobutyl Ketone	1.060	0.30	1	0	106	63.5	141				
Methyl tert-butyl ether	1.030	0.15	1	0	103	80.8	113				
Methylene chloride	1.020	0.15	1	0	102	87.8	123				
o-Xylene	1.040	0.15	1	0	104	80.5	139				
Propylene	1.000	0.15	1	0	100	96.2	135				
Styrene	1.040	0.15	1	0	104	82.7	138				
Tetrachloroethylene	1.040	0.15	1	0	104	85.9	122				
Tetrahydrofuran	1.060	0.15	1	0	106	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

Centek Laboratories, LLC

CLIENT: LaBella Associates, P.C.
Work Order: C2012057
Project: 113-117 N Clinton SVI Heating Season **TestCode: 0.20_NYS**

Sample ID: ALCS1UG-010220	SampType: LCS	TestCode: 0.20_NYS	Units: ppbV	Prep Date:	RunNo: 17128
Client ID: ZZZZZ	Batch ID: R17128	TestNo: TO-15		Analysis Date: 1/2/2021	SeqNo: 194599

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	1.030	0.15	1	0	103	77.8	127				
trans-1,2-Dichloroethene	1.030	0.15	1	0	103	83.3	116				
trans-1,3-Dichloropropene	1.010	0.15	1	0	101	84.8	134				
Trichloroethene	1.020	0.030	1	0	102	79.3	117				
Vinyl acetate	1.010	0.15	1	0	101	70.5	101				
Vinyl Bromide	1.040	0.15	1	0	104	81.4	142				
Vinyl chloride	1.040	0.040	1	0	104	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: *12-Jan-21*

CENTEK LABORATORIES, LLC

ANALYTICAL QC SUMMARY REPORT

CLIENT: LaBella Associates, P.C.
Work Order: C2012057
Project: 113-117 N Clinton SVI Heating Season

TestCode: 0.20_NYS

Sample ID: **AMB1UG-010220** SampType: **MBLK** TestCode: **0.20_NYS** Units: **ppbV** Prep Date: RunNo: **17128**
Client ID: **ZZZZZ** Batch ID: **R17128** TestNo: **TO-15** Analysis Date: **1/2/2021** SeqNo: **194598**

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		

Sample ID: AMB1UG-010220 SampType: MBLK TestCode: 0.20_NYS Units: ppbV Prep Date: RunNo: 17128
Client ID: ZZZZZ Batch ID: R17128 TestNo: TO-15 Analysis Date: 1/2/2021 SeqNo: 194598

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Carbon disulfide	< 0.15	0.15									
Carbon tetrachloride	< 0.030	0.030									
Chlorobenzene	< 0.15	0.15									
Chloroethane	< 0.15	0.15									
Chloroform	< 0.15	0.15									
Chloromethane	< 0.15	0.15									
cis-1,2-Dichloroethene	< 0.040	0.040									
cis-1,3-Dichloropropene	< 0.15	0.15									
Cyclohexane	< 0.15	0.15									
Dibromochloromethane	< 0.15	0.15									
Ethyl acetate	< 0.15	0.15									
Ethylbenzene	< 0.15	0.15									
Freon 11	< 0.15	0.15									
Freon 113	< 0.15	0.15									
Freon 114	< 0.15	0.15									
Freon 12	< 0.15	0.15									
Heptane	< 0.15	0.15									
Hexachloro-1,3-butadiene	< 0.15	0.15									
Hexane	< 0.15	0.15									
Isopropyl alcohol	< 0.15	0.15									
m&p-Xylene	< 0.30	0.30									
Methyl Butyl Ketone	< 0.30	0.30									
Methyl Ethyl Ketone	< 0.30	0.30									
Methyl Isobutyl Ketone	< 0.30	0.30									
Methyl tert-butyl ether	< 0.15	0.15									
Methylene chloride	< 0.15	0.15									
o-Xylene	< 0.15	0.15									
Propylene	< 0.15	0.15									
Styrene	< 0.15	0.15									
Tetrachloroethylene	< 0.15	0.15									
Tetrahydrofuran	< 0.15	0.15									

Qualifiers:
. 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

Centek Laboratories, LLC

CLIENT: LaBella Associates, P.C.
Work Order: C2012057
Project: 113-117 N Clinton SVI Heating Season **TestCode: 0.20_NYS**

Sample ID: **AMB1UG-010220** SampType: **MBLK** TestCode: **0.20_NYS** Units: **ppbV** Prep Date: RunNo: **17128**
Client ID: **ZZZZZ** Batch ID: **R17128** TestNo: **TO-15** Analysis Date: **1/2/2021** SeqNo: **194598**

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									

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

Centek Laboratories, LLC

CENTEK LABORATORIES, LLC

Date: *12-Jan-21*

ANALYTICAL QC SUMMARY REPORT

CLIENT: LaBella Associates, P.C.
Work Order: C2012057
Project: 113-117 N Clinton SVI Heating Season

TestCode: 0.20_NYS

Sample ID: **C2012057-002A MS** SampType: **MS** TestCode: **0.20_NYS** Units: **ppbV** Prep Date: RunNo: **17128**
Client ID: **IA-02 (MS/MSD)** Batch ID: **R17128** TestNo: **TO-15** Analysis Date: **1/2/2021** SeqNo: **194604**

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	1.050	0.15	1	0	105	82.3	101				S
1,1,2-Trichloroethane	1.000	0.15	1	0	100	61	128				
1,1-Dichloroethane	1.030	0.15	1	0	103	76.5	118				
1,1-Dichloroethene	0.9700	0.040	1	0	97.0	45.8	128				
1,2,4-Trichlorobenzene	1.350	0.15	1	0	135	70	130				S
1,2,4-Trimethylbenzene	1.220	0.15	1	0.21	101	81.5	155				
1,2-Dibromoethane	1.060	0.15	1	0	106	78.7	107				
1,2-Dichlorobenzene	0.6800	0.15	1	0	68.0	57.2	175				
1,2-Dichloroethane	1.060	0.15	1	0	106	65.1	130				
1,2-Dichloropropane	1.030	0.15	1	0	103	69.9	116				
1,3,5-Trimethylbenzene	1.310	0.15	1	0.32	99.0	67.6	139				
1,3-butadiene	23.07	0.15	1	0	2310	70	130				S
1,3-Dichlorobenzene	1.050	0.15	1	0	105	89.1	122				
1,4-Dichlorobenzene	1.110	0.15	1	0	111	86.8	114				
1,4-Dioxane	1.040	0.30	1	0	104	75.1	114				
2,2,4-trimethylpentane	1.090	0.15	1	0	109	84.2	113				
4-ethyltoluene	1.190	0.15	1	0	119	70	130				
Acetone	10.81	0.30	1	9.96	85.0	70	130				
Allyl chloride	1.010	0.15	1	0	101	70	130				
Benzene	1.260	0.15	1	0.23	103	72.7	133				
Benzyl chloride	1.050	0.15	1	0	105	72.5	129				
Bromodichloromethane	1.040	0.15	1	0	104	69.4	112				
Bromoform	0.9200	0.15	1	0	92.0	42.5	110				
Bromomethane	1.040	0.15	1	0	104	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

Centek Laboratories, LLC

CLIENT: LaBella Associates, P.C.
Work Order: C2012057
Project: 113-117 N Clinton SVI Heating Season

TestCode: 0.20_NYS

Sample ID: **C2012057-002A MS** SampType: **MS** TestCode: **0.20_NYS** Units: **ppbV** Prep Date: RunNo: **17128**
Client ID: **IA-02 (MS/MSD)** Batch ID: **R17128** TestNo: **TO-15** Analysis Date: **1/2/2021** SeqNo: **194604**

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	1.090	0.030	1	0.08	101	61	107				
Chlorobenzene	1.030	0.15	1	0	103	76.1	111				
Chloroethane	1.070	0.15	1	0	107	62.6	119				
Chloroform	1.400	0.15	1	0.4	100	6.54	173				
Chloromethane	1.640	0.15	1	0	164	54.4	125				S
cis-1,2-Dichloroethene	1.030	0.040	1	0	103	60.1	121				
cis-1,3-Dichloropropene	1.020	0.15	1	0	102	60.8	122				
Cyclohexane	1.060	0.15	1	0	106	59.4	148				
Dibromochloromethane	1.000	0.15	1	0	100	71.6	102				
Ethyl acetate	1.330	0.15	1	0.34	99.0	49.3	146				
Ethylbenzene	1.140	0.15	1	0.11	103	68.5	129				
Freon 11	1.340	0.15	1	0.24	110	44.8	143				
Freon 113	1.080	0.15	1	0	108	80.3	125				
Freon 114	1.230	0.15	1	0	123	65.2	132				
Freon 12	1.540	0.15	1	0.45	109	67.4	103				S
Heptane	1.260	0.15	1	0.23	103	80.8	124				
Hexachloro-1,3-butadiene	1.050	0.15	1	0	105	81.9	119				
Hexane	1.150	0.15	1	0.21	94.0	73.7	147				
Isopropyl alcohol	8.760	0.15	1 ✓	7.2 ✓	156 ✓	70	130				S
m&p-Xylene	2.410	0.30	2	0.38	102	74.2	123				
Methyl Butyl Ketone	1.170	0.30	1	0	117	72.6	117				
Methyl Ethyl Ketone	2.540	0.30	1	1.52	102	59.4	135				
Methyl Isobutyl Ketone	1.220	0.30	1	0.17	105	61	120				
Methyl tert-butyl ether	0.9900	0.15	1	0	99.0	63.6	134				
Methylene chloride	1.580	0.15	1	0.68	90.0	53.4	125				
o-Xylene	1.160	0.15	1	0.14	102	74.3	132				
Propylene	14.79	0.15	1	0	1480	70	130				S
Styrene	1.230	0.15	1	0.21	102	82.4	118				
Tetrachloroethylene	4.490	0.15	1	3.63	86.0	86.2	112				S
Tetrahydrofuran	1.430	0.15	1	0.46	97.0	70	130				

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

Centek Laboratories, LLC

CLIENT: LaBella Associates, P.C.
Work Order: C2012057
Project: 113-117 N Clinton SVI Heating Season **TestCode: 0.20_NYS**

Sample ID: C2012057-002A MS	SampType: MS	TestCode: 0.20_NYS	Units: ppbV	Prep Date:	RunNo: 17128
Client ID: IA-02 (MS/MSD)	Batch ID: R17128	TestNo: TO-15		Analysis Date: 1/2/2021	SeqNo: 194604

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	2.090	0.15	1	1.13	96.0	70	130				
trans-1,2-Dichloroethene	1.290	0.15	1	0	129	70.9	132				
trans-1,3-Dichloropropene	1.020	0.15	1	0	102	51.9	133				
Trichloroethene	1.100	0.030	1	0.11	99.0	63.1	109				
Vinyl acetate	1.040	0.15	1	0	104	17.3	187				
Vinyl Bromide	1.440	0.15	1	0	144	71.3	121				S
Vinyl chloride	1.010	0.040	1	0	101	63.2	114				

Sample ID: C2012057-002A MS	SampType: MSD	TestCode: 0.20_NYS	Units: ppbV	Prep Date:	RunNo: 17128
Client ID: IA-02 (MS/MSD)	Batch ID: R17128	TestNo: TO-15		Analysis Date: 1/2/2021	SeqNo: 194605

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	1.010	0.15	1	0	101	68.1	117	1.02	0.985	0	
1,1,2,2-Tetrachloroethane	1.040	0.15	1	0	104	82.3	101	1.05	0.957	0	S
1,1,2-Trichloroethane	1.010	0.15	1	0	101	61	128	1	0.995	0	
1,1-Dichloroethane	1.020	0.15	1	0	102	76.5	118	1.03	0.976	0	
1,1-Dichloroethene	0.9100	0.040	1	0	91.0	45.8	128	0.97	6.38	0	
1,2,4-Trichlorobenzene	1.360	0.15	1	0	136	30.3	262	1.35	0.738	0	
1,2,4-Trimethylbenzene	1.190	0.15	1	0.21	98.0	81.5	155	1.22	2.49	0	
1,2-Dibromoethane	1.060	0.15	1	0	106	78.7	107	1.06	0	0	
1,2-Dichlorobenzene	0.5700	0.15	1	0	57.0	57.2	175	0.68	17.6	0	S
1,2-Dichloroethane	1.050	0.15	1	0	105	65.1	130	1.06	0.948	0	
1,2-Dichloropropane	1.030	0.15	1	0	103	69.9	116	1.03	0	0	
1,3,5-Trimethylbenzene	1.340	0.15	1	0.32	102	67.6	139	1.31	2.26	0	
1,3-butadiene	21.63	0.15	1	0	2160	70	404	23.07	6.44	0	S
1,3-Dichlorobenzene	1.060	0.15	1	0	106	89.1	122	1.05	0.948	0	
1,4-Dichlorobenzene	1.110	0.15	1	0	111	86.8	114	1.11	0	0	
1,4-Dioxane	1.020	0.30	1	0	102	75.1	114	1.04	1.94	0	
2,2,4-trimethylpentane	1.080	0.15	1	0	108	84.2	113	1.09	0.922	0	
4-ethyltoluene	1.170	0.15	1	0	117	70	130	1.19	1.69	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

Centek Laboratories, LLC

CLIENT: LaBella Associates, P.C.
Work Order: C2012057
Project: 113-117 N Clinton SVI Heating Season

TestCode: 0.20_NYS

Sample ID: **C2012057-002A MS** SampType: **MSD** TestCode: **0.20_NYS** Units: **ppbV** Prep Date: RunNo: **17128**
Client ID: **IA-02 (MS/MSD)** Batch ID: **R17128** TestNo: **TO-15** Analysis Date: **1/2/2021** SeqNo: **194605**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acetone	10.67	0.30	1	9.96	71.0	70	130	10.81	1.30	0	
Allyl chloride	1.010	0.15	1	0	101	49.7	155	1.01	0	0	
Benzene	1.250	0.15	1	0.23	102	72.7	133	1.26	0.797	0	
Benzyl chloride	1.060	0.15	1	0	106	72.5	129	1.05	0.948	0	
Bromodichloromethane	1.020	0.15	1	0	102	69.4	112	1.04	1.94	0	
Bromoform	0.9200	0.15	1	0	92.0	42.5	110	0.92	0	0	
Bromomethane	1.050	0.15	1	0	105	68.6	121	1.04	0.957	0	
Carbon disulfide	1.030	0.15	1	0	103	70	130	0.98	4.98	0	
Carbon tetrachloride	1.070	0.030	1	0.08	99.0	61	107	1.09	1.85	0	
Chlorobenzene	1.020	0.15	1	0	102	76.1	111	1.03	0.976	0	
Chloroethane	1.050	0.15	1	0	105	62.6	119	1.07	1.89	0	
Chloroform	1.400	0.15	1	0.4	100	6.54	173	1.4	0	0	
Chloromethane	1.400	0.15	1	0	140	54.4	125	1.64	15.8	0	S
cis-1,2-Dichloroethene	1.050	0.040	1	0	105	60.1	121	1.03	1.92	0	
cis-1,3-Dichloropropene	1.010	0.15	1	0	101	60.8	122	1.02	0.985	0	
Cyclohexane	1.100	0.15	1	0	110	59.4	148	1.06	3.70	0	
Dibromochloromethane	0.9900	0.15	1	0	99.0	71.6	102	1	1.01	0	
Ethyl acetate	1.320	0.15	1	0.34	98.0	49.3	146	1.33	0.755	0	
Ethylbenzene	1.110	0.15	1	0.11	100	68.5	129	1.14	2.67	0	
Freon 11	1.310	0.15	1	0.24	107	44.8	143	1.34	2.26	0	
Freon 113	1.090	0.15	1	0	109	80.3	125	1.08	0.922	0	
Freon 114	1.190	0.15	1	0	119	65.2	132	1.23	3.31	0	
Freon 12	1.510	0.15	1	0.45	106	67.4	103	1.54	1.97	0	S
Heptane	1.210	0.15	1	0.23	98.0	80.8	124	1.26	4.05	0	
Hexachloro-1,3-butadiene	1.040	0.15	1	0	104	81.9	119	1.05	0.957	0	
Hexane	1.110	0.15	1	0.21	90.0	73.7	147	1.15	3.54	0	
Isopropyl alcohol	8.090	0.15	1	7.2	89.0	70	130	8.76	7.95	0	
m&p-Xylene	2.380	0.30	2	0.38	100	74.2	123	2.41	1.25	0	
Methyl Butyl Ketone	1.170	0.30	1	0	117	72.6	117	1.17	0	0	
Methyl Ethyl Ketone	2.390	0.30	1	1.52	87.0	59.4	135	2.54	6.09	0	
Methyl Isobutyl Ketone	1.180	0.30	1	0.17	101	61	120	1.22	3.33	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

Centek Laboratories, LLC

CLIENT: LaBella Associates, P.C.
Work Order: C2012057
Project: 113-117 N Clinton SVI Heating Season **TestCode:** 0.20_NYS

Sample ID: C2012057-002A MS SampType: MSD TestCode: 0.20_NYS Units: ppbV Prep Date: RunNo: 17128
Client ID: IA-02 (MS/MSD) Batch ID: R17128 TestNo: TO-15 Analysis Date: 1/2/2021 SeqNo: 194605

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether	1.000	0.15	1	0	100	63.6	134	0.99	1.01	0	
Methylene chloride	1.610	0.15	1	0.68	93.0	53.4	125	1.58	1.88	0	
o-Xylene	1.130	0.15	1	0.14	99.0	74.3	132	1.16	2.62	0	
Propylene	14.04	0.15	1	0	1400	70	130	14.79	5.20	0	S
Styrene	1.210	0.15	1	0.21	100	82.4	118	1.23	1.64	0	
Tetrachloroethylene	4.180	0.15	1	3.63	55.0	86.2	112	4.49	7.15	0	S
Tetrahydrofuran	1.400	0.15	1	0.46	94.0	70	130	1.43	2.12	0	
Toluene	1.970	0.15	1	1.13	84.0	70	130	2.09	5.91	0	
trans-1,2-Dichloroethene	1.020	0.15	1	0	102	70.9	132	1.29	23.4	0	
trans-1,3-Dichloropropene	1.030	0.15	1	0	103	51.9	133	1.02	0.976	0	
Trichloroethene	1.090	0.030	1	0.11	98.0	63.1	109	1.1	0.913	0	
Vinyl acetate	1.070	0.15	1	0	107	70	130	1.04	2.84	0	
Vinyl Bromide	1.410	0.15	1	0	141	70	130	1.44	2.11	0	S
Vinyl chloride	1.000	0.040	1	0	100	63.2	114	1.01	0.995	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

Centek Laboratories, LLC

DATA USABILITY SUMMARY REPORT

for

LaBella Associates, P.C.

300 State Street

Rochester, NY 14614

113-117 CLINTON NORTH
Project 2161120
SDG: C1907049
Sampled 07/17/2019

TO-15 AIR SAMPLES

113-1 (C1907049-1)
113-2 (C1907049-2)
113-3 (C1907049-3)

DATA ASSESSMENT

A TO-15 data package containing analytical results for three air samples was received from LaBella Associates, P.C. on 03Sep19. The ASP deliverables package included formal reports, raw data, the necessary QC, and supporting information. The samples, taken from the 113-117 Clinton Northsite, 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 113-3 have been qualified as estimations because the sampling equipment did not function properly.

The hexachloro-1,3-butadiene results from this project have been qualified as estimations due to poor calibration performance.

The toluene, tetrachloroethene, ethylbenzene, m&p-xylenes, styrene, o-xylene, 4-ethyltoluene, 1,3,5-trimethylbenzene and 1,2,4-trimethylbenzene concentrations found in 113-1 have been qualified as estimations due to a high internal standard response.

The 1,2,4-trimethylbenzene, chloromethane, ethyl acetate and methyl ethyl ketone results from 113-3 have been qualified as estimations due to unacceptable spiked sample recoveries.

The presence of 1,3,5-trimethylbenzene in each program sample could not be verified based on the mass spectra references included in the raw data. 1,3,5-trimethylbenzene should be interpreted as undetected in this group of samples.

CORRECTNESS AND USABILITY

Reported data should be considered technically defensible and completely usable in its present form. Results presenting a usable estimation of the conditions at the time of sampling have been flagged "J" or "U". 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: 24 Sep 19

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.

This sample delivery group contained three air samples that were collected in 1-liter SUMMA canisters. Sampling was completed on 17Jul19. The canisters were shipped back to the laboratory, via FedEx Ground, on 19Jul19, and were received on 22Jul19. Although the sample canisters were received intact, custody seals were not present on the packaging.

Although each SUMMA canister was set in the laboratory to collect an 8-hour sample, the sampling of 113-3 was terminated after 3.75 hours based on the canister vacuum reading. The results from this sample have been qualified as estimations because the sampling equipment did not function properly. 113-1 and 113-2 were sampled for 7.25 hours. The final vacuum readings from 113-1 and 113-2 satisfied the ASP requirement of -5±1"Hg. The collection of 113-3 was terminated at -3"Hg.

SAMPLE	PRIOR TO SHIPMENT ("Hg)	PRIOR TO SAMPLING ("Hg)	POST SAMPLING ("Hg)	LAB RECEIPT ("Hg)
113-1	30	30	4	2
113-2	30	29.5	4	3
113-3	30	30	3	3

The analysis of this group of samples was completed on 24Jul19 and 25Jul19, satisfying the ASP holding time limitation.

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 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.

One method blank was analyzed with this group of samples. This blank demonstrated acceptable chromatography and was free of targeted analyte contamination.

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 for VOC was performed on 20Jun19. 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.

A continuing calibration check standard was analyzed on 24Jul19, prior to the 24-hour period of instrument operation that included samples from this program. When compared to the initial calibration, an unacceptable shift was observed in the instrument response of hexachloro-1,3-butadiene (43%). The hexachloro-1,3-butadiene results from this project have been qualified as estimations based on this performance. The remaining analytes demonstrated an acceptable level of instrument stability.

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 environmental 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.

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 standard. 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 unacceptable shift was observed in the response of chlorobenzene-d5 in 113-1. The toluene, tetrachloroethene, ethylbenzene, m&p-xylenes, styrene, o-xylene, 4-ethyltoluene, 1,3,5-trimethylbenzene and 1,2,4-trimethylbenzene concentrations found in 113-1 have been qualified as estimations based on this performance. Acceptable

performance was reported for the remaining internal standard additions to this group of samples.

Internal standard retention times were not addressed by the laboratory. The ASP retention time acceptance criteria was calculated by this reviewer. The retention times produced by each program sample satisfied these requirements.

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.

113-3 was selected for matrix spiking. The entire list of targeted analytes was added to two volumes of this sample. The recoveries reported for these spikes included elevated 1,2,4-trichlorobenzene (197%,201%), 1,2,4-trimethylbenzene (145%,139%), 1,3-butadiene (1860%,1790%), propylene (739%,732%), tetrahydrofuran (146%,143%) and hexachloro-1,3-butadiene (139%) results and low recoveries of chloromethane (57%,55%), ethyl acetate (55%,57%) and methyl ethyl ketone (53%,56%). Based on this performance, the 1,2,4-trimethylbenzene, chloromethane, ethyl acetate and methyl ethyl ketone results from 113-3 have been qualified as estimations.

A pair of spiked blanks (LCS/LCSD) was also analyzed with this group of samples. The recoveries reported from these samples included high results for hexachloro-1,3-butadiene (137%,144%). This indication of positive bias, however, warrants no concern because hexachloro-1,3-butadiene was not detected in this group of samples.

DUPLICATES

Two aliquots of the same sample are processed separately through all aspects of sample preparation and analysis. 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.

A duplicate sample was not included in this delivery group.

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 1,3,5-trimethylbenzene in each program sample could not be verified based on the mass spectra references included in the raw data. 1,3,5-trimethylbenzene should be interpreted as undetected in this group of samples.

SUMMARY OF QUALIFIED DATA

113-117 CLINTON NORTH

SAMPLED JULY 17, 2019

		SAMPLING EQUIPMENT	CALIBRATION HEXACHLORO-1,3-BUTADIENE	INT STD IS*	SPIKES MS*	MASS SPECTRUM ID 1,3,5-TRIMETHYLBENZENE.
113-1	(C1907049-1)		1.6UJ	ALL J		2.5UJ
113-2	(C1907049-2)		1.6UJ			2.5U
113-3	(C1907049-3)	ALL J/UJ	1.6UJ			3.5UJ

IS* = toluene, tetrachloroethene, ethylbenzene, m&p-xylenes, styrene, o-xylene, 4-ethyltoluene, 1,3,5-trimethylbenzene, 1,2,4-trimethylbenzene

MS* = 1,2,4-trimethylbenzene, chloromethane, ethyl acetate, methyl ethyl ketone

Centek Laboratories, LLC

Date: *30-Aug-19*

CLIENT:	LaBella Associates, P.C.	**Client Sample ID:**	113-1
Lab Order:	C1907049	**Tag Number:**	130,255
Project:	113-117 Clinton North	**Collection Date:**	7/17/2019
Lab ID:	C1907049-001A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		**TO-15**				Analyst: RJP
1,1,1-Trichloroethane	< 0.82	0.82		ug/m3	1	7/24/2019 5:25:00 PM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		ug/m3	1	7/24/2019 5:25:00 PM
1,1,2-Trichloroethane	< 0.82	0.82		ug/m3	1	7/24/2019 5:25:00 PM
1,1-Dichloroethane	< 0.61	0.61		ug/m3	1	7/24/2019 5:25:00 PM
1,1-Dichloroethene	< 0.16	0.16		ug/m3	1	7/24/2019 5:25:00 PM
1,2,4-Trichlorobenzene	< 1.1	1.1		ug/m3	1	7/24/2019 5:25:00 PM
1,2,4-Trimethylbenzene	4.1	0.74	J	ug/m3	1	7/24/2019 5:25:00 PM
1,2-Dibromoethane	< 1.2	1.2		ug/m3	1	7/24/2019 5:25:00 PM
1,2-Dichlorobenzene	< 0.90	0.90		ug/m3	1	7/24/2019 5:25:00 PM
1,2-Dichloroethane	< 0.61	0.61		ug/m3	1	7/24/2019 5:25:00 PM
1,2-Dichloropropane	< 0.69	0.69		ug/m3	1	7/24/2019 5:25:00 PM
1,3,5-Trimethylbenzene	2.5	0.74	UJ	ug/m3	1	7/24/2019 5:25:00 PM
1,3-butadiene	< 0.33	0.33		ug/m3	1	7/24/2019 5:25:00 PM
1,3-Dichlorobenzene	< 0.90	0.90		ug/m3	1	7/24/2019 5:25:00 PM
1,4-Dichlorobenzene	< 0.90	0.90		ug/m3	1	7/24/2019 5:25:00 PM
1,4-Dioxane	< 1.1	1.1		ug/m3	1	7/24/2019 5:25:00 PM
2,2,4-trimethylpentane	3.2	0.70		ug/m3	1	7/24/2019 5:25:00 PM
4-ethyltoluene	1.1	0.74	J	ug/m3	1	7/24/2019 5:25:00 PM
Acetone	27	7.1		ug/m3	10	7/25/2019 6:15:00 AM
Allyl chloride	< 0.47	0.47		ug/m3	1	7/24/2019 5:25:00 PM
Benzene	2.1	0.48		ug/m3	1	7/24/2019 5:25:00 PM
Benzyl chloride	< 0.86	0.86		ug/m3	1	7/24/2019 5:25:00 PM
Bromodichloromethane	< 1.0	1.0		ug/m3	1	7/24/2019 5:25:00 PM
Bromoform	< 1.6	1.6		ug/m3	1	7/24/2019 5:25:00 PM
Bromomethane	< 0.58	0.58		ug/m3	1	7/24/2019 5:25:00 PM
Carbon disulfide	< 0.47	0.47		ug/m3	1	7/24/2019 5:25:00 PM
Carbon tetrachloride	0.63	0.19		ug/m3	1	7/24/2019 5:25:00 PM
Chlorobenzene	< 0.69	0.69		ug/m3	1	7/24/2019 5:25:00 PM
Chloroethane	< 0.40	0.40		ug/m3	1	7/24/2019 5:25:00 PM
Chloroform	4.0	0.73		ug/m3	1	7/24/2019 5:25:00 PM
Chloromethane	1.6	0.31		ug/m3	1	7/24/2019 5:25:00 PM
cis-1,2-Dichloroethene	< 0.16	0.16		ug/m3	1	7/24/2019 5:25:00 PM
cis-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	7/24/2019 5:25:00 PM
Cyclohexane	1.5	0.52		ug/m3	1	7/24/2019 5:25:00 PM
Dibromochloromethane	< 1.3	1.3		ug/m3	1	7/24/2019 5:25:00 PM
Ethyl acetate	1.1	0.54		ug/m3	1	7/24/2019 5:25:00 PM
Ethylbenzene	1.6	0.65	J	ug/m3	1	7/24/2019 5:25:00 PM
Freon 11	1.7	0.84		ug/m3	1	7/24/2019 5:25:00 PM
Freon 113	< 1.1	1.1		ug/m3	1	7/24/2019 5:25:00 PM
Freon 114	< 1.0	1.0		ug/m3	1	7/24/2019 5:25:00 PM

Qualifiers:

**	Quantitation Limit
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

Centek Laboratories, LLC

Date: *30-Aug-19*

CLIENT:	LaBella Associates, P.C.	**Client Sample ID:**	113-1
Lab Order:	C1907049	**Tag Number:**	130,255
Project:	113-117 Clinton North	**Collection Date:**	7/17/2019
Lab ID:	C1907049-001A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		**TO-15**				Analyst: **RJP**
Freon 12	< 0.74	0.74		ug/m3	1	7/24/2019 5:25:00 PM
Heptane	2.3	0.61		ug/m3	1	7/24/2019 5:25:00 PM
Hexachloro-1,3-butadiene	< 1.6	1.6	UJ	ug/m3	1	7/24/2019 5:25:00 PM
Hexane	4.8	0.53		ug/m3	1	7/24/2019 5:25:00 PM
Isopropyl alcohol	58	3.7		ug/m3	10	7/25/2019 6:15:00 AM
m&p-Xylene	5.7	1.3	J	ug/m3	1	7/24/2019 5:25:00 PM
Methyl Butyl Ketone	< 1.2	1.2		ug/m3	1	7/24/2019 5:25:00 PM
Methyl Ethyl Ketone	5.0	0.88		ug/m3	1	7/24/2019 5:25:00 PM
Methyl Isobutyl Ketone	< 1.2	1.2		ug/m3	1	7/24/2019 5:25:00 PM
Methyl tert-butyl ether	< 0.54	0.54		ug/m3	1	7/24/2019 5:25:00 PM
Methylene chloride	1.7	0.52		ug/m3	1	7/24/2019 5:25:00 PM
o-Xylene	2.0	0.65	J	ug/m3	1	7/24/2019 5:25:00 PM
Propylene	< 0.26	0.26		ug/m3	1	7/24/2019 5:25:00 PM
Styrene	1.2	0.64	J	ug/m3	1	7/24/2019 5:25:00 PM
Tetrachloroethylene	16	10	J	ug/m3	10	7/25/2019 6:15:00 AM
Tetrahydrofuran	< 0.44	0.44		ug/m3	1	7/24/2019 5:25:00 PM
Toluene	6.7	0.57	J	ug/m3	1	7/24/2019 5:25:00 PM
trans-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	7/24/2019 5:25:00 PM
trans-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	7/24/2019 5:25:00 PM
Trichloroethene	0.36	0.16		ug/m3	1	7/24/2019 5:25:00 PM
Vinyl acetate	< 0.53	0.53		ug/m3	1	7/24/2019 5:25:00 PM
Vinyl Bromide	< 0.66	0.66		ug/m3	1	7/24/2019 5:25:00 PM
Vinyl chloride	< 0.10	0.10		ug/m3	1	7/24/2019 5:25:00 PM

Qualifiers:

**	Quantitation Limit
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

Centek Laboratories, LLC

Date: *30-Aug-19*

CLIENT:	LaBella Associates, P.C.	**Client Sample ID:**	113-2
Lab Order:	C1907049	**Tag Number:**	316,337
Project:	113-117 Clinton North	**Collection Date:**	7/17/2019
Lab ID:	C1907049-002A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		**TO-15**				Analyst: RJP
1,1,1-Trichloroethane	< 0.82	0.82		ug/m3	1	7/24/2019 6:10:00 PM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		ug/m3	1	7/24/2019 6:10:00 PM
1,1,2-Trichloroethane	< 0.82	0.82		ug/m3	1	7/24/2019 6:10:00 PM
1,1-Dichloroethane	< 0.61	0.61		ug/m3	1	7/24/2019 6:10:00 PM
1,1-Dichloroethene	< 0.16	0.16		ug/m3	1	7/24/2019 6:10:00 PM
1,2,4-Trichlorobenzene	< 1.1	1.1		ug/m3	1	7/24/2019 6:10:00 PM
1,2,4-Trimethylbenzene	4.1	0.74		ug/m3	1	7/24/2019 6:10:00 PM
1,2-Dibromoethane	< 1.2	1.2		ug/m3	1	7/24/2019 6:10:00 PM
1,2-Dichlorobenzene	< 0.90	0.90		ug/m3	1	7/24/2019 6:10:00 PM
1,2-Dichloroethane	< 0.61	0.61		ug/m3	1	7/24/2019 6:10:00 PM
1,2-Dichloropropane	< 0.69	0.69		ug/m3	1	7/24/2019 6:10:00 PM
1,3,5-Trimethylbenzene	2.6	0.74	U	ug/m3	1	7/24/2019 6:10:00 PM
1,3-butadiene	< 0.33	0.33		ug/m3	1	7/24/2019 6:10:00 PM
1,3-Dichlorobenzene	< 0.90	0.90		ug/m3	1	7/24/2019 6:10:00 PM
1,4-Dichlorobenzene	< 0.90	0.90		ug/m3	1	7/24/2019 6:10:00 PM
1,4-Dioxane	< 1.1	1.1		ug/m3	1	7/24/2019 6:10:00 PM
2,2,4-trimethylpentane	3.2	0.70		ug/m3	1	7/24/2019 6:10:00 PM
4-ethyltoluene	0.93	0.74		ug/m3	1	7/24/2019 6:10:00 PM
Acetone	34	7.1		ug/m3	10	7/25/2019 6:59:00 AM
Allyl chloride	< 0.47	0.47		ug/m3	1	7/24/2019 6:10:00 PM
Benzene	2.1	0.48		ug/m3	1	7/24/2019 6:10:00 PM
Benzyl chloride	< 0.86	0.86		ug/m3	1	7/24/2019 6:10:00 PM
Bromodichloromethane	< 1.0	1.0		ug/m3	1	7/24/2019 6:10:00 PM
Bromoform	< 1.6	1.6		ug/m3	1	7/24/2019 6:10:00 PM
Bromomethane	< 0.58	0.58		ug/m3	1	7/24/2019 6:10:00 PM
Carbon disulfide	< 0.47	0.47		ug/m3	1	7/24/2019 6:10:00 PM
Carbon tetrachloride	0.57	0.19		ug/m3	1	7/24/2019 6:10:00 PM
Chlorobenzene	< 0.69	0.69		ug/m3	1	7/24/2019 6:10:00 PM
Chloroethane	< 0.40	0.40		ug/m3	1	7/24/2019 6:10:00 PM
Chloroform	4.0	0.73		ug/m3	1	7/24/2019 6:10:00 PM
Chloromethane	1.7	0.31		ug/m3	1	7/24/2019 6:10:00 PM
cis-1,2-Dichloroethene	< 0.16	0.16		ug/m3	1	7/24/2019 6:10:00 PM
cis-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	7/24/2019 6:10:00 PM
Cyclohexane	1.4	0.52		ug/m3	1	7/24/2019 6:10:00 PM
Dibromochloromethane	< 1.3	1.3		ug/m3	1	7/24/2019 6:10:00 PM
Ethyl acetate	1.6	0.54		ug/m3	1	7/24/2019 6:10:00 PM
Ethylbenzene	1.7	0.65		ug/m3	1	7/24/2019 6:10:00 PM
Freon 11	1.5	0.84		ug/m3	1	7/24/2019 6:10:00 PM
Freon 113	< 1.1	1.1		ug/m3	1	7/24/2019 6:10:00 PM
Freon 114	< 1.0	1.0		ug/m3	1	7/24/2019 6:10:00 PM

Qualifiers:

**	Quantitation Limit	.	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		

Centek Laboratories, LLC

Date: *30-Aug-19*

CLIENT:	LaBella Associates, P.C.	**Client Sample ID:**	113-2
Lab Order:	C1907049	**Tag Number:**	316,337
Project:	113-117 Clinton North	**Collection Date:**	7/17/2019
Lab ID:	C1907049-002A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		**TO-15**				Analyst: **RJP**
Freon 12	< 0.74	0.74		ug/m3	1	7/24/2019 6:10:00 PM
Heptane	2.1	0.61		ug/m3	1	7/24/2019 6:10:00 PM
Hexachloro-1,3-butadiene	< 1.6	1.6		ug/m3	1	7/24/2019 6:10:00 PM
Hexane	4.8	0.53		ug/m3	1	7/24/2019 6:10:00 PM
Isopropyl alcohol	56	3.7		ug/m3	10	7/25/2019 6:59:00 AM
m&p-Xylene	6.4	1.3		ug/m3	1	7/24/2019 6:10:00 PM
Methyl Butyl Ketone	< 1.2	1.2		ug/m3	1	7/24/2019 6:10:00 PM
Methyl Ethyl Ketone	5.0	0.88		ug/m3	1	7/24/2019 6:10:00 PM
Methyl Isobutyl Ketone	< 1.2	1.2		ug/m3	1	7/24/2019 6:10:00 PM
Methyl tert-butyl ether	< 0.54	0.54		ug/m3	1	7/24/2019 6:10:00 PM
Methylene chloride	1.7	0.52		ug/m3	1	7/24/2019 6:10:00 PM
o-Xylene	2.2	0.65		ug/m3	1	7/24/2019 6:10:00 PM
Propylene	< 0.26	0.26		ug/m3	1	7/24/2019 6:10:00 PM
Styrene	1.2	0.64		ug/m3	1	7/24/2019 6:10:00 PM
Tetrachloroethylene	17	10		ug/m3	10	7/25/2019 6:59:00 AM
Tetrahydrofuran	< 0.44	0.44		ug/m3	1	7/24/2019 6:10:00 PM
Toluene	7.5	5.7		ug/m3	10	7/25/2019 6:59:00 AM
trans-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	7/24/2019 6:10:00 PM
trans-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	7/24/2019 6:10:00 PM
Trichloroethene	< 0.16	0.16		ug/m3	1	7/24/2019 6:10:00 PM
Vinyl acetate	< 0.53	0.53		ug/m3	1	7/24/2019 6:10:00 PM
Vinyl Bromide	< 0.66	0.66		ug/m3	1	7/24/2019 6:10:00 PM
Vinyl chloride	< 0.10	0.10		ug/m3	1	7/24/2019 6:10:00 PM

Qualifiers:

**	Quantitation Limit
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

Centek Laboratories, LLC

Date: *30-Aug-19*

CLIENT:	LaBella Associates, P.C.	**Client Sample ID:**	113-3
Lab Order:	C1907049	**Tag Number:**	133,253
Project:	113-117 Clinton North	**Collection Date:**	7/17/2019
Lab ID:	C1907049-003A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	< 0.82 UJ	0.82		ug/m3	1	7/24/2019 6:55:00 PM
1,1,2,2-Tetrachloroethane	< 1.0 UJ	1.0		ug/m3	1	7/24/2019 6:55:00 PM
1,1,2-Trichloroethane	< 0.82 UJ	0.82		ug/m3	1	7/24/2019 6:55:00 PM
1,1-Dichloroethane	< 0.61 UJ	0.61		ug/m3	1	7/24/2019 6:55:00 PM
1,1-Dichloroethene	< 0.16 UJ	0.16		ug/m3	1	7/24/2019 6:55:00 PM
1,2,4-Trichlorobenzene	< 1.1 UJ	1.1		ug/m3	1	7/24/2019 6:55:00 PM
1,2,4-Trimethylbenzene	4.4 J	0.74		ug/m3	1	7/24/2019 6:55:00 PM
1,2-Dibromoethane	< 1.2 UJ	1.2		ug/m3	1	7/24/2019 6:55:00 PM
1,2-Dichlorobenzene	< 0.90 UJ	0.90		ug/m3	1	7/24/2019 6:55:00 PM
1,2-Dichloroethane	< 0.61 UJ	0.61		ug/m3	1	7/24/2019 6:55:00 PM
1,2-Dichloropropane	< 0.69 UJ	0.69		ug/m3	1	7/24/2019 6:55:00 PM
1,3,5-Trimethylbenzene	3.5 J	0.74		ug/m3	1	7/24/2019 6:55:00 PM
1,3-butadiene	< 0.33 UJ	0.33		ug/m3	1	7/24/2019 6:55:00 PM
1,3-Dichlorobenzene	< 0.90 UJ	0.90		ug/m3	1	7/24/2019 6:55:00 PM
1,4-Dichlorobenzene	< 0.90 UJ	0.90		ug/m3	1	7/24/2019 6:55:00 PM
1,4-Dioxane	< 1.1 UJ	1.1		ug/m3	1	7/24/2019 6:55:00 PM
2,2,4-trimethylpentane	3.3 J	0.70		ug/m3	1	7/24/2019 6:55:00 PM
4-ethyltoluene	1.0 J	0.74		ug/m3	1	7/24/2019 6:55:00 PM
Acetone	25 J	7.1		ug/m3	10	7/25/2019 7:43:00 AM
Allyl chloride	< 0.47 UJ	0.47		ug/m3	1	7/24/2019 6:55:00 PM
Benzene	2.1 J	0.48		ug/m3	1	7/24/2019 6:55:00 PM
Benzyl chloride	< 0.86 UJ	0.86		ug/m3	1	7/24/2019 6:55:00 PM
Bromodichloromethane	< 1.0 UJ	1.0		ug/m3	1	7/24/2019 6:55:00 PM
Bromoform	< 1.6 UJ	1.6		ug/m3	1	7/24/2019 6:55:00 PM
Bromomethane	< 0.58 UJ	0.58		ug/m3	1	7/24/2019 6:55:00 PM
Carbon disulfide	0.34 J	0.47	J	ug/m3	1	7/24/2019 6:55:00 PM
Carbon tetrachloride	0.63 J	0.19		ug/m3	1	7/24/2019 6:55:00 PM
Chlorobenzene	< 0.69 UJ	0.69		ug/m3	1	7/24/2019 6:55:00 PM
Chloroethane	< 0.40 UJ	0.40		ug/m3	1	7/24/2019 6:55:00 PM
Chloroform	4.3 J	0.73		ug/m3	1	7/24/2019 6:55:00 PM
Chloromethane	1.9 J	0.31		ug/m3	1	7/24/2019 6:55:00 PM
cis-1,2-Dichloroethene	< 0.16 UJ	0.16		ug/m3	1	7/24/2019 6:55:00 PM
cis-1,3-Dichloropropene	< 0.68 UJ	0.68		ug/m3	1	7/24/2019 6:55:00 PM
Cyclohexane	1.4 J	0.52		ug/m3	1	7/24/2019 6:55:00 PM
Dibromochloromethane	< 1.3 UJ	1.3		ug/m3	1	7/24/2019 6:55:00 PM
Ethyl acetate	0.97 J	0.54		ug/m3	1	7/24/2019 6:55:00 PM
Ethylbenzene	1.6 J	0.65		ug/m3	1	7/24/2019 6:55:00 PM
Freon 11	1.6 J	0.84		ug/m3	1	7/24/2019 6:55:00 PM
Freon 113	< 1.1 UJ	1.1		ug/m3	1	7/24/2019 6:55:00 PM
Freon 114	< 1.0 UJ	1.0		ug/m3	1	7/24/2019 6:55:00 PM

Qualifiers:

**	Quantitation Limit	.	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		

Centek Laboratories, LLC

Date: *30-Aug-19*

CLIENT:	LaBella Associates, P.C.	**Client Sample ID:**	113-3
Lab Order:	C1907049	**Tag Number:**	133,253
Project:	113-117 Clinton North	**Collection Date:**	7/17/2019
Lab ID:	C1907049-003A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		**TO-15**				Analyst: **RJP**
Freon 12	< 0.74	0.74	UJ	ug/m3	1	7/24/2019 6:55:00 PM
Heptane	2.2	0.61	J	ug/m3	1	7/24/2019 6:55:00 PM
Hexachloro-1,3-butadiene	< 1.6	1.6	UJ	ug/m3	1	7/24/2019 6:55:00 PM
Hexane	5.0	0.53	J	ug/m3	1	7/24/2019 6:55:00 PM
Isopropyl alcohol	52	3.7	J	ug/m3	10	7/25/2019 7:43:00 AM
m&p-Xylene	6.1	1.3	J	ug/m3	1	7/24/2019 6:55:00 PM
Methyl Butyl Ketone	< 1.2	1.2	UJ	ug/m3	1	7/24/2019 6:55:00 PM
Methyl Ethyl Ketone	4.9	0.88	J	ug/m3	1	7/24/2019 6:55:00 PM
Methyl Isobutyl Ketone	< 1.2	1.2	UJ	ug/m3	1	7/24/2019 6:55:00 PM
Methyl tert-butyl ether	< 0.54	0.54	UJ	ug/m3	1	7/24/2019 6:55:00 PM
Methylene chloride	1.5	0.52	J	ug/m3	1	7/24/2019 6:55:00 PM
o-Xylene	2.2	0.65	J	ug/m3	1	7/24/2019 6:55:00 PM
Propylene	< 0.26	0.26	UJ	ug/m3	1	7/24/2019 6:55:00 PM
Styrene	1.2	0.64	J	ug/m3	1	7/24/2019 6:55:00 PM
Tetrachloroethylene	13	1.0	J	ug/m3	1	7/24/2019 6:55:00 PM
Tetrahydrofuran	< 0.44	0.44	UJ	ug/m3	1	7/24/2019 6:55:00 PM
Toluene	8.2	0.57	J	ug/m3	1	7/24/2019 6:55:00 PM
trans-1,2-Dichloroethene	< 0.59	0.59	UJ	ug/m3	1	7/24/2019 6:55:00 PM
trans-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	7/24/2019 6:55:00 PM
Trichloroethene	< 0.16	0.16		ug/m3	1	7/24/2019 6:55:00 PM
Vinyl acetate	< 0.53	0.53		ug/m3	1	7/24/2019 6:55:00 PM
Vinyl Bromide	< 0.66	0.66		ug/m3	1	7/24/2019 6:55:00 PM
Vinyl chloride	< 0.10	0.10		ug/m3	1	7/24/2019 6:55:00 PM

Qualifiers:	**	Quantitation Limit	.	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			

GC/MS QA-QC Check Report

Tune File : C:\HPCHEM\1\DATA2\AQ072402.D
Tune Time : 24 Jul 2019 12:19 pm

Daily Calibration File : C:\HPCHEM\1\DATA2\AQ072402.D

File	Sample	DL	Surrogate Recovery % (BFB)			Internal Standard Responses (IS1)	(IS2)	(IS3)
			10:15	12:42	17:19	47961 / 34258 / 20555	172347 / 123105 / 73863	155054 / 110753 / 66452
AQ072403.D	ALCS1UG-072419		118			38184 ✓	135768 ✓	123217
AQ072404.D	AMB1UG-072419		90			34770	127883	108499
AQ072406.D	C1907049-001A	✓	101	10:15	12:43	17:20	39415	141397	(156186)
AQ072407.D	C1907049-002A	✓	108	10:16	12:43	17:19	40721	149535	137494
AQ072408.D	C1907049-003A	✓	112	10:16	12:43	17:19	38536	144492	135305
AQ072409.D	C1907049-003A	MS	112				40949	145655	138569
AQ072410.D	C1907049-003A	MSD	111				39998	146753	137428
AQ072422.D	ALCS1UGD-072419		(124)				33585	124139	110486
AQ072423.D	C1907049-001A	10X ✓	92	10:16	12:42	17:19	33243	116636	114062
AQ072424.D	C1907049-002A	10X ✓	93	10:16	12:42	17:19	32200	112926	100352
AQ072425.D	C1907049-003A	10X ✓	92	10:15	12:42	17:19	30780	111280	98105

t - fails 24hr time check * - fails criteria

Created: Fri Aug 30 09:27:20 2019 MSD #1/

CENTEK LABORATORIES, LLC

Date: 30-Aug-19

QC SUMMARY REPORT
SURROGATE RECOVERIES

CLIENT: LaBella Associates, P.C.
Work Order: C1907049
Project: 113-117 Clinton North
Test No: TO-15 **Matrix:** A

Sample ID	BR4FBZ							
ALCS1UG-072419	118							
ALCS1UGD-072419	(124)							
AMB1UG-072419	90.0							
C1907049-001A	101							
C1907049-002A	108							
C1907049-003A	112							
C1907049-003A MS	112							
C1907049-003A MSD	111							

Acronym	Surrogate	QC Limits
BR4FBZ	= Bromofluorobenzene	70-130

*** Surrogate recovery outside acceptance limits**

/

CENTEK LABORATORIES, LLC

Date: *30-Aug-19*

ANALYTICAL QC SUMMARY REPORT

CLIENT: LaBella Associates, P.C.
Work Order: C1907049
Project: 113-117 Clinton North

TestCode: 0.20_NYS

Sample ID: **ALCS1UG-072419** SampType: **LCS** TestCode: **0.20_NYS** Units: **ppbV** Prep Date: RunNo: **15262**
Client ID: **ZZZZZ** Batch ID: **R15262** TestNo: **TO-15** Analysis Date: **7/24/2019** SeqNo: **174690**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	1.290	0.15	1	0	129	70	130				
1,1,2,2-Tetrachloroethane	0.9900	0.15	1	0	99.0	70	130				
1,1,2-Trichloroethane	1.070	0.15	1	0	107	70	130				
1,1-Dichloroethane	0.8600	0.15	1	0	86.0	70	130				
1,1-Dichloroethene	0.9300	0.040	1	0	93.0	70	130				
1,2,4-Trichlorobenzene	1.220	0.15	1	0	122	70	130				
1,2,4-Trimethylbenzene	1.190	0.15	1	0	119	70	130				
1,2-Dibromoethane	1.030	0.15	1	0	103	70	130				
1,2-Dichlorobenzene	1.230	0.15	1	0	123	70	130				
1,2-Dichloroethane	0.9700	0.15	1	0	97.0	70	130				
1,2-Dichloropropane	0.9700	0.15	1	0	97.0	70	130				
1,3,5-Trimethylbenzene	1.190	0.15	1	0	119	70	130				
1,3-butadiene	0.7800	0.15	1	0	78.0	70	130				
1,3-Dichlorobenzene	1.180	0.15	1	0	118	70	130				
1,4-Dichlorobenzene	1.240	0.15	1	0	124	70	130				
1,4-Dioxane	1.010	0.30	1	0	101	70	130				
2,2,4-trimethylpentane	0.9200	0.15	1	0	92.0	70	130				
4-ethyltoluene	1.180	0.15	1	0	118	70	130				
Acetone	0.7300	0.30	1	0	73.0	70	130				
Allyl chloride	0.7800	0.15	1	0	78.0	70	130				
Benzene	0.9700	0.15	1	0	97.0	70	130				
Benzyl chloride	1.210	0.15	1	0	121	70	130				
Bromodichloromethane	1.140	0.15	1	0	114	70	130				
Bromoform	1.130	0.15	1	0	113	70	130				
Bromomethane	0.7800	0.15	1	0	78.0	70	130				

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				

CLIENT: LaBella Associates, P.C.
Work Order: C1907049
Project: 113-117 Clinton North

TestCode: 0.20_NYS

Sample ID: ALCS1UG-072419	SampType: LCS	TestCode: 0.20_NYS	Units: ppbV	Prep Date:	RunNo: 15262
Client ID: ZZZZZ	Batch ID: R15262	TestNo: TO-15		Analysis Date: 7/24/2019	SeqNo: 174690

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Carbon disulfide	0.8400	0.15	1	0	84.0	70	130				
Carbon tetrachloride	1.160	0.030	1	0	116	70	130				
Chlorobenzene	1.020	0.15	1	0	102	70	130				
Chloroethane	0.7400	0.15	1	0	74.0	70	130				
Chloroform	0.9800	0.15	1	0	98.0	70	130				
Chloromethane	0.7200	0.15	1	0	72.0	70	130				
cis-1,2-Dichloroethene	0.8500	0.040	1	0	85.0	70	130				
cis-1,3-Dichloropropene	1.070	0.15	1	0	107	70	130				
Cyclohexane	0.9100	0.15	1	0	91.0	70	130				
Dibromochloromethane	1.080	0.15	1	0	108	70	130				
Ethyl acetate	0.7300	0.15	1	0	73.0	70	130				
Ethylbenzene	1.030	0.15	1	0	103	70	130				
Freon 11	1.020	0.15	1	0	102	70	130				
Freon 113	0.9700	0.15	1	0	97.0	70	130				
Freon 114	0.7900	0.15	1	0	79.0	70	130				
Freon 12	0.9200	0.15	1	0	92.0	70	130				
Heptane	0.8500	0.15	1	0	85.0	70	130				
Hexachloro-1,3-butadiene	1.370	0.15	1	0	137	70	130				S
Hexane	0.8200	0.15	1	0	82.0	70	130				
Isopropyl alcohol	0.7100	0.15	1	0	71.0	70	130				
m&p-Xylene	2.250	0.30	2	0	112	70	130				
Methyl Butyl Ketone	0.7800	0.30	1	0	78.0	70	130				
Methyl Ethyl Ketone	0.7900	0.30	1	0	79.0	70	130				
Methyl Isobutyl Ketone	0.7600	0.30	1	0	76.0	70	130				
Methyl tert-butyl ether	1.010	0.15	1	0	101	70	130				
Methylene chloride	0.8600	0.15	1	0	86.0	70	130				
o-Xylene	1.140	0.15	1	0	114	70	130				
Propylene	0.8200	0.15	1	0	82.0	70	130				
Styrene	1.140	0.15	1	0	114	70	130				
Tetrachloroethylene	1.080	0.15	1	0	108	70	130				
Tetrahydrofuran	0.7700	0.15	1	0	77.0	70	130				

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

CLIENT: LaBella Associates, P.C.
Work Order: C1907049
Project: 113-117 Clinton North

TestCode: 0.20_NYS

Sample ID: ALCS1UG-072419	SampType: LCS	TestCode: 0.20_NYS	Units: ppbV	Prep Date:	RunNo: 15262
Client ID: ZZZZZ	Batch ID: R15262	TestNo: TO-15		Analysis Date: 7/24/2019	SeqNo: 174690

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	0.9000	0.15	1	0	90.0	70	130				
trans-1,2-Dichloroethene	0.8900	0.15	1	0	89.0	70	130				
trans-1,3-Dichloropropene	1.030	0.15	1	0	103	70	130				
Trichloroethene	1.050	0.030	1	0	105	70	130				
Vinyl acetate	0.7600	0.15	1	0	76.0	70	130				
Vinyl Bromide	0.8300	0.15	1	0	83.0	70	130				
Vinyl chloride	0.7500	0.040	1	0	75.0	70	130				

Sample ID: ALCS1UGD-072419	SampType: LCSD	TestCode: 0.20_NYS	Units: ppbV	Prep Date:	RunNo: 15262
Client ID: ZZZZZ	Batch ID: R15262	TestNo: TO-15		Analysis Date: 7/25/2019	SeqNo: 174691

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	1.280	0.15	1	0	128	70	130	1.29	0.778	30	
1,1,2,2-Tetrachloroethane	1.040	0.15	1	0	104	70	130	0.99	4.93	30	
1,1,2-Trichloroethane	1.110	0.15	1	0	111	70	130	1.07	3.67	30	
1,1-Dichloroethane	0.9100	0.15	1	0	91.0	70	130	0.86	5.65	30	
1,1-Dichloroethene	0.9100	0.040	1	0	91.0	70	130	0.93	2.17	30	
1,2,4-Trichlorobenzene	1.240	0.15	1	0	124	70	130	1.22	1.63	30	
1,2,4-Trimethylbenzene	1.170	0.15	1	0	117	70	130	1.19	1.69	30	
1,2-Dibromoethane	1.040	0.15	1	0	104	70	130	1.03	0.966	30	
1,2-Dichlorobenzene	1.270	0.15	1	0	127	70	130	1.23	3.20	30	
1,2-Dichloroethane	1.010	0.15	1	0	101	70	130	0.97	4.04	30	
1,2-Dichloropropane	0.9800	0.15	1	0	98.0	70	130	0.97	1.03	30	
1,3,5-Trimethylbenzene	1.270	0.15	1	0	127	70	130	1.19	6.50	30	
1,3-butadiene	0.8800	0.15	1	0	88.0	70	130	0.78	12.0	30	
1,3-Dichlorobenzene	1.230	0.15	1	0	123	70	130	1.18	4.15	30	
1,4-Dichlorobenzene	1.270	0.15	1	0	127	70	130	1.24	2.39	30	
1,4-Dioxane	1.060	0.30	1	0	106	70	130	1.01	4.83	30	
2,2,4-trimethylpentane	0.9100	0.15	1	0	91.0	70	130	0.92	1.09	30	
4-ethyltoluene	1.210	0.15	1	0	121	70	130	1.18	2.51	30	

Qualifiers:

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

CLIENT: LaBella Associates, P.C.
Work Order: C1907049
Project: 113-117 Clinton North

TestCode: 0.20_NYS

Sample ID: ALCS1UGD-072419	SampType: LCSD	TestCode: 0.20_NYS	Units: ppbV	Prep Date:	RunNo: 15262
Client ID: ZZZZZ	Batch ID: R15262	TestNo: TO-15		Analysis Date: 7/25/2019	SeqNo: 174691

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acetone	0.8300	0.30	1	0	83.0	70	130	0.73	12.8	30	
Allyl chloride	0.7800	0.15	1	0	78.0	70	130	0.78	0	30	
Benzene	0.9800	0.15	1	0	98.0	70	130	0.97	1.03	30	
Benzyl chloride	1.190	0.15	1	0	119	70	130	1.21	1.67	30	
Bromodichloromethane	1.200	0.15	1	0	120	70	130	1.14	5.13	30	
Bromoform	1.170	0.15	1	0	117	70	130	1.13	3.48	30	
Bromomethane	0.9200	0.15	1	0	92.0	70	130	0.78	16.5	30	
Carbon disulfide	0.9000	0.15	1	0	90.0	70	130	0.84	6.90	30	
Carbon tetrachloride	1.200	0.030	1	0	120	70	130	1.16	3.39	30	
Chlorobenzene	1.040	0.15	1	0	104	70	130	1.02	1.94	30	
Chloroethane	0.8900	0.15	1	0	89.0	70	130	0.74	18.4	30	
Chloroform	1.010	0.15	1	0	101	70	130	0.98	3.02	30	
Chloromethane	0.8400	0.15	1	0	84.0	70	130	0.72	15.4	30	
cis-1,2-Dichloroethene	0.8200	0.040	1	0	82.0	70	130	0.85	3.59	30	
cis-1,3-Dichloropropene	1.090	0.15	1	0	109	70	130	1.07	1.85	30	
Cyclohexane	0.8900	0.15	1	0	89.0	70	130	0.91	2.22	30	
Dibromochloromethane	1.140	0.15	1	0	114	70	130	1.08	5.41	30	
Ethyl acetate	0.7100	0.15	1	0	71.0	70	130	0.73	2.78	30	
Ethylbenzene	1.030	0.15	1	0	103	70	130	1.03	0	30	
Freon 11	1.110	0.15	1	0	111	70	130	1.02	8.45	30	
Freon 113	1.010	0.15	1	0	101	70	130	0.97	4.04	30	
Freon 114	0.9100	0.15	1	0	91.0	70	130	0.79	14.1	30	
Freon 12	0.9600	0.15	1	0	96.0	70	130	0.92	4.26	30	
Heptane	0.8700	0.15	1	0	87.0	70	130	0.85	2.33	30	
Hexachloro-1,3-butadiene	1.440	0.15	1	0	144	70	130	1.37	4.98	30	S
Hexane	0.8000	0.15	1	0	80.0	70	130	0.82	2.47	30	
Isopropyl alcohol	0.7100	0.15	1	0	71.0	70	130	0.71	0	30	
m&p-Xylene	2.330	0.30	2	0	116	70	130	2.25	3.49	30	
Methyl Butyl Ketone	0.8200	0.30	1	0	82.0	70	130	0.78	5.00	30	
Methyl Ethyl Ketone	0.7700	0.30	1	0	77.0	70	130	0.79	2.56	30	
Methyl Isobutyl Ketone	0.7800	0.30	1	0	78.0	70	130	0.76	2.60	30	

Qualifiers:

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

CLIENT: LaBella Associates, P.C.
Work Order: C1907049
Project: 113-117 Clinton North

TestCode: 0.20_NYS

Sample ID: ALCS1UGD-072419 SampType: LCSD TestCode: 0.20_NYS Units: ppbV Prep Date: RunNo: 15262
Client ID: ZZZZZ Batch ID: R15262 TestNo: TO-15 Analysis Date: 7/25/2019 SeqNo: 174691

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether	0.9200	0.15	1	0	92.0	70	130	1.01	9.33	30	
Methylene chloride	0.9200	0.15	1	0	92.0	70	130	0.86	6.74	30	
o-Xylene	1.190	0.15	1	0	119	70	130	1.14	4.29	30	
Propylene	0.7800	0.15	1	0	78.0	70	130	0.82	5.00	30	
Styrene	1.180	0.15	1	0	118	70	130	1.14	3.45	30	
Tetrachloroethylene	1.110	0.15	1	0	111	70	130	1.08	2.74	30	
Tetrahydrofuran	0.7300	0.15	1	0	73.0	70	130	0.77	5.33	30	
Toluene	0.9200	0.15	1	0	92.0	70	130	0.9	2.20	30	
trans-1,2-Dichloroethene	0.8800	0.15	1	0	88.0	70	130	0.89	1.13	30	
trans-1,3-Dichloropropene	1.030	0.15	1	0	103	70	130	1.03	0	30	
Trichloroethene	1.070	0.030	1	0	107	70	130	1.05	1.89	30	
Vinyl acetate	0.7100	0.15	1	0	71.0	70	130	0.76	6.80	30	
Vinyl Bromide	0.8600	0.15	1	0	86.0	70	130	0.83	3.55	30	
Vinyl chloride	0.8100	0.040	1	0	81.0	70	130	0.75	7.69	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
- H Holding times for preparation or analysis exceeded
- R RPD outside accepted recovery limits

CENTEK LABORATORIES, LLC

Date: *30-Aug-19*

ANALYTICAL QC SUMMARY REPORT

CLIENT: LaBella Associates, P.C.
Work Order: C1907049
Project: 113-117 Clinton North

TestCode: 0.20_NYS

Sample ID: **AMB1UG-072419** SampType: **MBLK** TestCode: **0.20_NYS** Units: **ppbV** Prep Date: RunNo: **15262**
Client ID: **ZZZZZ** Batch ID: **R15262** TestNo: **TO-15** Analysis Date: **7/24/2019** SeqNo: **174689**

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				

CLIENT: LaBella Associates, P.C.
Work Order: C1907049
Project: 113-117 Clinton North

TestCode: 0.20_NYS

Sample ID: AMB1UG-072419	SampType: MBLK	TestCode: 0.20_NYS	Units: ppbV	Prep Date:	RunNo: 15262
Client ID: ZZZZZ	Batch ID: R15262	TestNo: TO-15		Analysis Date: 7/24/2019	SeqNo: 174689

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Carbon disulfide	< 0.15	0.15									
Carbon tetrachloride	< 0.030	0.030									
Chlorobenzene	< 0.15	0.15									
Chloroethane	< 0.15	0.15									
Chloroform	< 0.15	0.15									
Chloromethane	< 0.15	0.15									
cis-1,2-Dichloroethene	< 0.040	0.040									
cis-1,3-Dichloropropene	< 0.15	0.15									
Cyclohexane	< 0.15	0.15									
Dibromochloromethane	< 0.15	0.15									
Ethyl acetate	< 0.15	0.15									
Ethylbenzene	< 0.15	0.15									
Freon 11	< 0.15	0.15									
Freon 113	< 0.15	0.15									
Freon 114	< 0.15	0.15									
Freon 12	< 0.15	0.15									
Heptane	< 0.15	0.15									
Hexachloro-1,3-butadiene	< 0.15	0.15									
Hexane	< 0.15	0.15									
Isopropyl alcohol	< 0.15	0.15									
m&p-Xylene	< 0.30	0.30									
Methyl Butyl Ketone	< 0.30	0.30									
Methyl Ethyl Ketone	< 0.30	0.30									
Methyl Isobutyl Ketone	< 0.30	0.30									
Methyl tert-butyl ether	< 0.15	0.15									
Methylene chloride	< 0.15	0.15									
o-Xylene	< 0.15	0.15									
Propylene	< 0.15	0.15									
Styrene	< 0.15	0.15									
Tetrachloroethylene	< 0.15	0.15									
Tetrahydrofuran	< 0.15	0.15									

Qualifiers:

.	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				

CLIENT: LaBella Associates, P.C.
Work Order: C1907049
Project: 113-117 Clinton North

TestCode: 0.20_NYS

Sample ID: AMB1UG-072419	SampType: MBLK	TestCode: 0.20_NYS	Units: ppbV	Prep Date:	RunNo: 15262
Client ID: ZZZZZ	Batch ID: R15262	TestNo: TO-15		Analysis Date: 7/24/2019	SeqNo: 174689

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									

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				

CENTEK LABORATORIES, LLC

Date: *30-Aug-19*

ANALYTICAL QC SUMMARY REPORT

CLIENT: LaBella Associates, P.C.
Work Order: C1907049
Project: 113-117 Clinton North

TestCode: 0.20_NYS

Sample ID: **C1907049-003A MS** SampType: **MS** TestCode: **0.20_NYS** Units: **ppbV** Prep Date: RunNo: **15262**
Client ID: **113-3** Batch ID: **R15262** TestNo: **TO-15** Analysis Date: **7/24/2019** SeqNo: **174695**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	1.160	0.15	1	0	116	70	130				
1,1,2,2-Tetrachloroethane	0.9300	0.15	1	0	93.0	70	130				
1,1,2-Trichloroethane	1.030	0.15	1	0	103	70	130				
1,1-Dichloroethane	0.8100	0.15	1	0	81.0	70	130				
1,1-Dichloroethene	0.9000	0.040	1	0	90.0	70	130				
1,2,4-Trichlorobenzene	1.970	0.15	1	0	197	70	130				S
1,2,4-Trimethylbenzene	2.350	0.15	1	0.9	145	70	130				S
1,2-Dibromoethane	0.9500	0.15	1	0	95.0	70	130				
1,2-Dichlorobenzene	1.250	0.15	1	0	125	70	130				
1,2-Dichloroethane	0.9200	0.15	1	0	92.0	70	130				
1,2-Dichloropropane	0.9000	0.15	1	0	90.0	70	130				
1,3,5-Trimethylbenzene	1.850	0.15	1	0.71	114	70	130				
1,3-butadiene	18.61	0.15	1	0	1860	70	130				S
1,3-Dichlorobenzene	1.260	0.15	1	0	126	70	130				
1,4-Dichlorobenzene	1.290	0.15	1	0	129	70	130				
1,4-Dioxane	0.9100	0.30	1	0	91.0	70	130				
2,2,4-trimethylpentane	1.600	0.15	1	0.7	90.0	70	130				
4-ethyltoluene	1.510	0.15	1	0.21	130	70	130				
Acetone	8.260	0.30	1	6.35	191	70	130				S
Allyl chloride	0.8300	0.15	1	0	83.0	70	130				
Benzene	1.630	0.15	1	0.65	98.0	70	130				
Benzyl chloride	1.210	0.15	1	0	121	70	130				
Bromodichloromethane	1.110	0.15	1	0	111	70	130				
Bromoform	1.030	0.15	1	0	103	70	130				
Bromomethane	0.8000	0.15	1	0	80.0	70	130				

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

CLIENT: LaBella Associates, P.C.
Work Order: C1907049
Project: 113-117 Clinton North

TestCode: 0.20_NYS

Sample ID: C1907049-003A MS SampType: MS TestCode: 0.20_NYS Units: ppbV Prep Date: RunNo: 15262
Client ID: 113-3 Batch ID: R15262 TestNo: TO-15 Analysis Date: 7/24/2019 SeqNo: 174695

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Carbon disulfide	0.8400	0.15	1	0.11	73.0	70	130				
Carbon tetrachloride	1.180	0.030	1	0.1	108	70	130				
Chlorobenzene	0.9800	0.15	1	0	98.0	70	130				
Chloroethane	0.7400	0.15	1	0	74.0	70	130				
Chloroform	1.710	0.15	1	0.89	82.0	70	130				
Chloromethane	1.480	0.15	1	0.91	57.0	70	130				S
cis-1,2-Dichloroethene	0.8300	0.040	1	0	83.0	70	130				
cis-1,3-Dichloropropene	1.010	0.15	1	0	101	70	130				
Cyclohexane	1.230	0.15	1	0.42	81.0	70	130				
Dibromochloromethane	0.9900	0.15	1	0	99.0	70	130				
Ethyl acetate	0.8200	0.15	1	0.27	55.0	70	130				S
Ethylbenzene	1.440	0.15	1	0.38	106	70	130				
Freon 11	1.160	0.15	1	0.28	88.0	70	130				
Freon 113	0.9800	0.15	1	0	98.0	70	130				
Freon 114	0.8000	0.15	1	0	80.0	70	130				
Freon 12	1.130	0.15	1	0	113	70	130				
Heptane	1.460	0.15	1	0.54	92.0	70	130				
Hexachloro-1,3-butadiene	1.350	0.15	1	0	135	70	130				S
Hexane	2.080	0.15	1	1.43	65.0	70	130				S
Isopropyl alcohol	20.39	0.15	1	16.78	361	70	130				S
m&p-Xylene	3.600	0.30	2	1.41	110	70	130				
Methyl Butyl Ketone	0.8900	0.30	1	0	89.0	70	130				
Methyl Ethyl Ketone	2.200	0.30	1	1.67	53.0	70	130				S
Methyl Isobutyl Ketone	0.8000	0.30	1	0	80.0	70	130				
Methyl tert-butyl ether	0.9500	0.15	1	0	95.0	70	130				
Methylene chloride	1.240	0.15	1	0.44	80.0	70	130				
o-Xylene	1.560	0.15	1	0.51	105	70	130				
Propylene	7.390	0.15	1	0	739	70	130				S
Styrene	1.380	0.15	1	0.28	110	70	130				
Tetrachloroethylene	3.030	0.15	1	1.99	104	70	130				
Tetrahydrofuran	1.460	0.15	1	0	146	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
H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits

CLIENT: LaBella Associates, P.C.
Work Order: C1907049
Project: 113-117 Clinton North

TestCode: 0.20_NYS

Sample ID: C1907049-003A MS	SampType: MS	TestCode: 0.20_NYS	Units: ppbV	Prep Date:	RunNo: 15262
Client ID: 113-3	Batch ID: R15262	TestNo: TO-15		Analysis Date: 7/24/2019	SeqNo: 174695

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	2.930	0.15	1	2.17	76.0	70	130				
trans-1,2-Dichloroethene	0.8400	0.15	1	0	84.0	70	130				
trans-1,3-Dichloropropene	1.030	0.15	1	0	103	70	130				
Trichloroethene	1.060	0.030	1	0	106	70	130				
Vinyl acetate	0.8900	0.15	1	0	89.0	70	130				
Vinyl Bromide	0.7600	0.15	1	0	76.0	70	130				
Vinyl chloride	0.7300	0.040	1	0	73.0	70	130				

Sample ID: C1907049-003A MS	SampType: MSD	TestCode: 0.20_NYS	Units: ppbV	Prep Date:	RunNo: 15262
Client ID: 113-3	Batch ID: R15262	TestNo: TO-15		Analysis Date: 7/24/2019	SeqNo: 174696

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	1.150	0.15	1	0	115	70	130	1.16	0.866	30	
1,1,2,2-Tetrachloroethane	0.9200	0.15	1	0	92.0	70	130	0.93	1.08	30	
1,1,2-Trichloroethane	1.020	0.15	1	0	102	70	130	1.03	0.976	30	
1,1-Dichloroethane	0.8200	0.15	1	0	82.0	70	130	0.81	1.23	30	
1,1-Dichloroethene	0.9000	0.040	1	0	90.0	70	130	0.9	0	30	
1,2,4-Trichlorobenzene	2.010	0.15	1	0	201	70	130	1.97	2.01	30	S
1,2,4-Trimethylbenzene	2.290	0.15	1	0.9	139	70	130	2.35	2.59	30	S
1,2-Dibromoethane	0.9500	0.15	1	0	95.0	70	130	0.95	0	30	
1,2-Dichlorobenzene	1.260	0.15	1	0	126	70	130	1.25	0.797	30	
1,2-Dichloroethane	0.9300	0.15	1	0	93.0	70	130	0.92	1.08	30	
1,2-Dichloropropane	0.8800	0.15	1	0	88.0	70	130	0.9	2.25	30	
1,3,5-Trimethylbenzene	1.820	0.15	1	0.71	111	70	130	1.85	1.63	30	
1,3-butadiene	17.92	0.15	1	0	1790	70	130	18.61	3.78	30	S
1,3-Dichlorobenzene	1.260	0.15	1	0	126	70	130	1.26	0	30	
1,4-Dichlorobenzene	1.290	0.15	1	0	129	70	130	1.29	0	30	
1,4-Dioxane	0.9700	0.30	1	0	97.0	70	130	0.91	6.38	30	
2,2,4-trimethylpentane	1.590	0.15	1	0.7	89.0	70	130	1.6	0.627	30	
4-ethyltoluene	1.550	0.15	1	0.21	134	70	130	1.51	2.61	30	S

Qualifiers:

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

CLIENT: LaBella Associates, P.C.
Work Order: C1907049
Project: 113-117 Clinton North

TestCode: 0.20_NYS

Sample ID: C1907049-003A MS SampType: MSD TestCode: 0.20_NYS Units: ppbV Prep Date: RunNo: 15262
Client ID: 113-3 Batch ID: R15262 TestNo: TO-15 Analysis Date: 7/24/2019 SeqNo: 174696

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acetone	7.170	0.30	1	6.35	82.0	70	130	8.26	14.1	30	
Allyl chloride	0.8000	0.15	1	0	80.0	70	130	0.83	3.68	30	
Benzene	1.590	0.15	1	0.65	94.0	70	130	1.63	2.48	30	
Benzyl chloride	1.200	0.15	1	0	120	70	130	1.21	0.830	30	
Bromodichloromethane	1.070	0.15	1	0	107	70	130	1.11	3.67	30	
Bromoform	1.030	0.15	1	0	103	70	130	1.03	0	30	
Bromomethane	0.8400	0.15	1	0	84.0	70	130	0.8	4.88	30	
Carbon disulfide	0.8800	0.15	1	0.11	77.0	70	130	0.84	4.65	30	
Carbon tetrachloride	1.160	0.030	1	0.1	106	70	130	1.18	1.71	30	
Chlorobenzene	0.9500	0.15	1	0	95.0	70	130	0.98	3.11	30	
Chloroethane	0.7400	0.15	1	0	74.0	70	130	0.74	0	30	
Chloroform	1.730	0.15	1	0.89	84.0	70	130	1.71	1.16	30	
Chloromethane	1.460	0.15	1	0.91	55.0	70	130	1.48	1.36	30	S
cis-1,2-Dichloroethene	0.8600	0.040	1	0	86.0	70	130	0.83	3.55	30	
cis-1,3-Dichloropropene	0.9700	0.15	1	0	97.0	70	130	1.01	4.04	30	
Cyclohexane	1.310	0.15	1	0.42	89.0	70	130	1.23	6.30	30	
Dibromochloromethane	1.000	0.15	1	0	100	70	130	0.99	1.01	30	
Ethyl acetate	0.8400	0.15	1	0.27	57.0	70	130	0.82	2.41	30	S
Ethylbenzene	1.430	0.15	1	0.38	105	70	130	1.44	0.697	30	
Freon 11	1.160	0.15	1	0.28	88.0	70	130	1.16	0	30	
Freon 113	0.9800	0.15	1	0	98.0	70	130	0.98	0	30	
Freon 114	0.8000	0.15	1	0	80.0	70	130	0.8	0	30	
Freon 12	1.140	0.15	1	0	114	70	130	1.13	0.881	30	
Heptane	1.410	0.15	1	0.54	87.0	70	130	1.46	3.48	30	
Hexachloro-1,3-buladiene	1.390	0.15	1	0	139	70	130	1.35	2.92	30	S
Hexane	2.080	0.15	1	1.43	65.0	70	130	2.08	0	30	S
Isopropyl alcohol	20.85	0.15	1	16.78	407	70	130	20.39	2.23	30	S
m&p-Xylene	3.600	0.30	2	1.41	110	70	130	3.6	0	30	
Methyl Butyl Ketone	0.9000	0.30	1	0	90.0	70	130	0.89	1.12	30	
Methyl Ethyl Ketone	2.230	0.30	1	1.67	56.0	70	130	2.2	1.35	30	S
Methyl Isobutyl Ketone	0.8400	0.30	1	0	84.0	70	130	0.8	4.88	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
- H Holding times for preparation or analysis exceeded
- R RPD outside accepted recovery limits

CLIENT: LaBella Associates, P.C.
Work Order: C1907049
Project: 113-117 Clinton North

TestCode: 0.20_NYS

Sample ID: C1907049-003A MS SampType: MSD TestCode: 0.20_NYS Units: ppbV Prep Date: RunNo: 15262
Client ID: 113-3 Batch ID: R15262 TestNo: TO-15 Analysis Date: 7/24/2019 SeqNo: 174696

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether	0.9700	0.15	1	0	97.0	70	130	0.95	2.08	30	
Methylene chloride	1.250	0.15	1	0.44	81.0	70	130	1.24	0.803	30	
o-Xylene	1.540	0.15	1	0.51	103	70	130	1.56	1.29	30	
Propylene	7.320	0.15	1	0	732	70	130	7.39	0.952	30	S
Styrene	1.380	0.15	1	0.28	110	70	130	1.38	0	30	
Tetrachloroethylene	2.980	0.15	1	1.99	99.0	70	130	3.03	1.66	30	
Tetrahydrofuran	1.430	0.15	1	0	143	70	130	1.46	2.08	30	S
Toluene	2.860	0.15	1	2.17	69.0	70	130	2.93	2.42	30	S
trans-1,2-Dichloroethene	0.8800	0.15	1	0	88.0	70	130	0.84	4.65	30	
trans-1,3-Dichloropropene	1.000	0.15	1	0	100	70	130	1.03	2.96	30	
Trichloroethene	1.040	0.030	1	0	104	70	130	1.06	1.90	30	
Vinyl acetate	0.8800	0.15	1	0	88.0	70	130	0.89	1.13	30	
Vinyl Bromide	0.7600	0.15	1	0	76.0	70	130	0.76	0	30	
Vinyl chloride	0.7500	0.040	1	0	75.0	70	130	0.73	2.70	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
- H Holding times for preparation or analysis exceeded
- R RPD outside accepted recovery limits

Centek Laboratories, LLC

APPENDIX 8

FIELD LOGS

LaBella
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300 STATE STREET, ROCHESTER, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

Soil Vapor Intrusion Testing Log

113-177 North Clinton Avenue, Rochester New York

Project Name:	113-117 North Clinton Ave
Project No:	2161120
Sampled By	J. Folger
Date:	**12/28/2020 to 12/29/2020**
Weather/ Wind:	Clear, calm

Sample ID: **IA-01**
Sub-Slab Pressure: NA
Tracer gas in dome (% of atmosphere): NA
Sample Type: Sub-Slab/**Indoor Air**/Outdoor Air
Sample Location: Basement by the stairs

Date/Time	Vacuum Reading "wc
12/28/2020 11:45	-30
12/28/2020 13:10	-28.5
12/29/2020 9:00	-4.0

Sample ID: **IA-2 (MS/MSD)**
Sub-Slab Pressure: NA
Tracer gas in dome (% of atmosphere): NA
Sample Type: Sub-Slab/**Indoor Air**/Outdoor Air
Sample Location: Basement by the boiler

Date/Time	Vacuum Reading "wc
12/28/2020 11:50	-30.0
12/28/2020 13:12	-29.0
12/29/2020 9:02	-8.0
12/29/2020 10:30	-7.0

Sample ID: **OA-01**
Sub-Slab Pressure: NA
Tracer gas in dome (% of atmosphere): NA
Sample Type: Sub-Slab/Indoor Air/**Outdoor Air**
Sample Type: Southwest corner of the Roof

Date/Time	Vacuum Reading "wc
12/28/2020 12:00	-30.0
12/28/2020 13:15	-29.0
12/29/2020 9:10	-4.0

Sample ID: **Duplicate (Parent: IA-01)**
Sub-Slab Pressure: NA
Tracer gas in dome (% of atmosphere): NA
Sample Type: Sub-Slab/**Indoor Air**/Outdoor Air
Sample Location: Basement by the stairs

Date/Time	Vacuum Reading "wc
12/28/2020 11:45	-28.5
12/28/2020 13:10	-27.0
12/29/2020 9:00	-0.5

Sub-Slab Pressure: "wc
Tracer gas in dome (% of atmosphere): 10%>
Sample Type: Sub-Slab/Indoor Air/Outdoor Air
Sample Location:

Date/Time	Vacuum Reading "wc

Sample ID:
Sub-Slab Pressure: "wc
Tracer gas in dome (% of atmosphere):
Sample Type: Sub-Slab/Indoor Air/Outdoor Air
Sample Location:

Date/Time	Vacuum Reading "wc

LaBella
Powered by partnership.

300 STATE STREET, ROCHESTER, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

Soil Vapor Intrusion Testing Log

113-177 North Clinton Avenue, Rochester New York

Project Name: 113-117 North Clinton Ave
Project No: 2161120
Sampled By J. Folger
Date: 7/17/2019
Weather/ Wind: Rainy, slight wind

Sample ID: 113-1	
Sub-Slab Pressure: NA	
Tracer gas in dome (% of atmosphere): NA	
Sample Type: Sub-Slab/**Indoor Air**/Outdoor Air	
Sample Location: Basement by the stairs	
Date/Time	Vacuum Reading "wc
7/17/2019 0815	30
7/17/2019 1530	4.0

Sample ID: 113-2 (Duplicate)	
Sub-Slab Pressure: NA	
Tracer gas in dome (% of atmosphere): NA	
Sample Type: Sub-Slab/**Indoor Air**/Outdoor Air	
Sample Location: Basement by the stairs	
Date/Time	Vacuum Reading "wc
7/17/2019 0815	29.5
7/17/2019 1530	4.0

Sample ID: 113-3	
Sub-Slab Pressure: NA	
Tracer gas in dome (% of atmosphere): NA	
Sample Type: Sub-Slab/**Indoor Air**/Outdoor Air	
Sample Type: Basement by the boiler	
Date/Time	Vacuum Reading "wc
7/17/2019 0820	30.0
7/17/2019 1205	3.0

NOTE: Outdoor air sample was stollen during sampling. No outdoor air was analyzed.