

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Region 8
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February 25, 2022

Tony Kirik
Vice President
Commerce CRE, LLC
105 McLaughlin Road, Suite A
Rochester, New York 14615

Re: Construction Completion Report
Sub-Slab Depressurization System Installation
300 Commerce Drive
Site No.: C828158
Henrietta (T), Monroe (C)

Dear Mr. Kirk:

The New York State Department of Environmental Conservation (Department) in conjunction with the New York State Department of Health (NYSDOH) have completed a review of the Construction Completion Report (CCR) Interim Remedial Measures Sub-Slab Depressurization System (SSDS) Installation dated September 2019 for the 300 Commerce Drive site (Site) located at 300 Commerce Drive, in the Town of Henrietta, Monroe County. Based on the information presented in the CCR subsequent information submittals requested by the Department, the CCR is approved with the following modifications and clarifications.

1. As stated in the Department's approval letter dated April 16, 2016 - *An Interim Site Management Plan (ISMP) that includes an Operation & Maintenance Plan (O&M Plan) for the sub-slab depressurization system must be developed and submitted to the Department and NYSDOH for review and approval. The Department's current Site Management Plan template ISMP needs to be used for the ISMP. The ISMP will be submitted to the Department and NYSDOH for review 90 days after the installation of the SSD is complete.*

To date the Department has not received the Operation & Maintenance Plan (O&M Plan) for the SSDS installed at the Site. The Department is requesting that an O&M Plan for the SSDS is drafted and submitted by the Applicant's current environmental consultant for review and approval by the Department and NYSDOH. The O&M Plan must be submitted and approved before the Department's Decision Document is executed.

NOTE – the Department only wants an O&M Plan for the SSDS not an Interim Site Management Plan.

Within fifteen (15) days of the day of the letter, the Applicant shall elect one of the three (3) options presented below in writing (electronic notification is acceptable) to either:

- Option A: Accept the State modified work plan; or
Option B: Invoke dispute resolution as set forth in paragraph 375-1.5(b)(2) or
Option C: Terminate the agreement in accordance with subdivision 375-3.5.



If the Applicant chooses Option A then a complete copy of the CCR and this letter must be placed in the document repository within 7 days of acceptance of the Department's modified document. Failure to notify the Department within 15 days of the date of this letter the Department will conclude that Option A has been elected by the Applicant.

If you have any questions or concerns regarding this letter, or need further assistance with the Site, please feel free to contact me at 585-226-5354 or via e-mail at charlotte.theobald@dec.ny.gov.

Sincerely,

A handwritten signature in dark ink, reading "Charlotte B. Theobald". The signature is fluid and cursive, with the first name "Charlotte" and last name "Theobald" clearly legible.

Charlotte B. Theobald
Assistant Engineer

ec:

Paul Sylvestri (Harter Secrest & Emery, LLP)
Nancy Van Dussen (Ravi)
Peter Morton (Ravi)
Lynn Zicari (Ravi)
Justin Deming (NYSDOH)
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Mirza Begovic (MCHD)
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David Pratt (NYSDEC)
Todd Caffoe (NYSDEC)

300 Commerce Drive
MONROE COUNTY, NEW YORK

Construction Completion Report
INTERIM REMEDIAL MEASURES
SUB-SLAB DEPRESSURIZATION SYSTEM INSTALLATION

NYSDEC Site Number: C828158

Prepared for:
Yaro Enterprises
225 Rosemont Drive
Rochester, New York 14617

Prepared by:
LaBella Associates, D.P.C.
300 State Street
Rochester New York 14614
(585) 454-6110

SEPTEMBER 2019

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 Measures Work Plan was implemented and that all construction activities were completed in substantial conformance with the Department-approved Interim Remedial Measures Work Plan.

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

I certify that all data generated in support of this report have been or will be submitted in accordance with the Department's electronic data deliverable and have been or will be 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

NYS Professional Engineer #

7/3/19

Date

Daniel P. Noll

Signature



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LIST OF ACRONYMS

| Acronym | Definition |
|---------|---|
| AOC | Area of Concern |
| BCA | Brownfield Cleanup Agreement |
| BGS | Below Ground Surface |
| CAMP | Community Air Monitoring Plan |
| CCR | Construction Completion Report |
| CPP | Citizen Participation Plan |
| DPI | Design Phase Investigation |
| DUSR | Data Usability Summary Report |
| HASP | Health and Safety Plan |
| IRM | Interim Remedial Measure |
| IRM WP | Interim Remedial Measure Work Plan |
| LNAPL | Light Non-Aqueous Phase Liquid |
| MCPW | Monroe County Pure Waters |
| MDL | Method Detection Limit |
| MS/MSD | Matrix Spike/Matrix Spike Duplicate |
| NYSDEC | New York State Department of Environmental Conservation |
| NYSDOH | New York State Department of Health |
| NYSDOT | New York State Department of Transportation |
| OSHA | Occupational Safety and Health Administration |
| PFE | Pressure Field Extension |
| PID | Photoionization Detector |
| ppm | Parts per million |
| ppb | Parts per billion |
| PVC | Polyvinyl Chloride |
| QA/QC | Quality Assurance / Quality Control |
| RAA | Remedial Alternatives Analysis |
| RAO | Remedial Action Objective |
| RG&E | Rochester Gas and Electric |
| RI | Remedial Investigation |
| RIWP | Remedial Investigation Work Plan |
| RPSCOs | Remedial Program Soil Cleanup Objectives |
| SCGs | Standards, Criteria, and Guidelines |
| SSDS | Sub-Slab Depressurization System |
| SVOC | Semi-Volatile Organic Compound |
| TIC | Tentatively Identified Compound |
| USEPA | United States Environmental Protection Agency |
| VOC | Volatile Organic Compound |

Construction Completion Report

INTERIM REMEDIAL MEASURES

SUB-SLAB DEPRESSURIZATION SYSTEM INSTALLATION

1.0 BACKGROUND AND SITE DESCRIPTION

Yaro Enterprises (Yaro) entered into a Brownfield Cleanup Agreement (BCA) with the New York State Department of Environmental Conservation (NYSDEC) in 2009, to investigate and remediate a 2.7-acre parcel addressed as 300 Commerce Drive, Henrietta New York (hereinafter referred to as the “Site”).

The BCP Site is located in the County of Monroe, New York and is identified as Tax Account #161.10-1-18 and is improved with one (1) approximate 18,700 square foot, two (2) story slab-on-grade building constructed in 1967 with an addition constructed in 1990. The Site is a commercial/ light industrial facility and is currently utilized as a commercial printing operation. The Site is located in a suburban area and is zoned for industrial use.

The Site is bordered by a trucking company to the north-northeast, Commerce Drive to the west with railroad tracks beyond, Commerce Drive to the south with industrial facilities beyond, and commercial facilities to the east.

Figures 1 and 2 (attached) illustrate the location and surrounding area of the BCP Site. The BCP Site is utilized as a commercial/light industrial facility and there are associated parking lot and landscaped areas.

Phase I Environmental Site Assessment, LaBella, 2005

A Phase I ESA completed by LaBella in 2005 identified the following Recognized Environmental Conditions (RECs) associated with the Site:

- **NYSDEC Spill # 7880522 On-Site** - One (1) inactive spill of an unknown quantity of #2 fuel oil from a tank is associated with the Site. The Spill Report did not report whether the tank was an aboveground or underground storage tank. In addition, the Spill Report noted that “During cleanup, soil penetration reportedly became evident and supported the belief this ‘old’ Spill was the reason for several reported Spills. Corrections made to external piping should further reduce the chances for future spills”. Based on the report of a “tank” in the Spill Report, there is a potential for tanks to be present.

- **NYSDEC Spill #9102947 and #0370111 on Adjacent Property-** Two (2) inactive NYSDEC Spills were identified associated with the north adjacent property. According to NYSDEC information regarding Spill #9102947, a 10,000-gallon diesel underground storage tank (UST) failed tank tightness testing and was reportedly removed. According to NYSDEC information regarding Spill #0370111, a Phase II ESA revealed the presence of low-level residual contamination in the area of a formerly removed 10,000-gallon diesel UST. The apparent flow of groundwater on this northern adjacent property is to the south/southwest, towards the Site. Based on the location of the facility adjacent to the north of the Site, and the apparent groundwater flow direction, there is the potential for contamination to have migrated on-Site from the north adjacent property.

Phase II Environmental Site Assessment, LaBella 2008

Based on the findings of the Phase I ESA, LaBella was requested to conduct a limited subsurface investigation at the Site to determine if the RECs identified in the Phase I ESA have impacted the subsurface at the Site. As such, a Limited Phase II ESA and Supplemental Phase II ESA were conducted at the Site in 2008. The following scope of work was completed:

- Seventeen (17) soil borings (designated TB-1 through TB-9 and SB-1 through SB-8) were advanced and five (5) 1-inch PVC groundwater monitoring wells were installed. Soils were continuously assessed for visual and olfactory evidence of impairment.
- The following analysis was performed:
 - Eight (8) soil samples for Target Compound List (TCL) volatile organic compounds (VOCs) using United States Environmental Protection Agency (USEPA) Method 8260.
 - Two (2) soil samples for NYSDEC Spill Technology and Remediation Series (STARS) List VOCs using USEPA Method 8260.
 - Four (4) soil samples for NYSDEC STARS List semi-volatile organic compounds (SVOCs) using USEPA Method 8270.
 - Four (4) groundwater samples for TCL VOCs using USEPA Method 8260.
 - One (1) groundwater sample for NYSDEC STARS List SVOCs using USEPA Method 8270.
 - Two (2) groundwater samples for target analyte list (TAL) using USEPA Methods 6010/7471
 - Two (2) groundwater samples for polychlorinated biphenyls (PCBs) using USEPA Method 8082
 - Two (2) groundwater samples for pesticides using USEPA Method 8081
 - One (1) sub-slab soil vapor and one (1) ambient indoor air sample for VOCs using USEPA Method TO-15.
- Evidence of impairment was observed in soil collected from soil borings SB-1 (8'-12'), SB-2 (8'-12'), and SB-8 (4'-8'). VOCs trichloroethene (TCE) in three (3) samples and tetrachloroethene (PCE) in two (2) samples were reported at concentrations that exceeded

their respective NYSDEC Part 375 Soil Cleanup Objectives (SCOs) for Unrestricted Use. (Note that at the time of this assessment, TAGM was in effect.)

- One (1) SVOC, dibenzo(a,h)anthracene was detected at a concentration that exceeded NYSDEC Part 375 Industrial Use SCOs.
- Cis-1,2-dichloroethene (cis-1,2-DCE) was reported at concentrations that exceed its NYSDEC Part 703 Groundwater Quality Standard in groundwater samples collected from monitoring wells MW-1, MW-2, MW-4, and MW-5.
- TCE was reported at concentrations that exceed its NYSDEC Part 703 Groundwater Quality Standard in groundwater samples collected from monitoring wells MW-1, MW-2, and MW-5.
- Vinyl chloride (VC) was reported at concentrations that exceed its NYSDEC Part 703 Groundwater Quality Standard in groundwater samples collected from monitoring wells MW-1 and MW-4.
- Three (3) SVOCs [benzo(a)anthracene, benzo(a)pyrene, and chrysene] were reported at concentrations that exceeded their respective NYSDEC Part 703 Groundwater Quality Standards in the groundwater sample collected from monitoring well MW-4.
- Metals including iron, manganese, and sodium were detected at concentrations above their respective NYSDEC Part 703 Groundwater Quality Standards.
- PCBs and pesticides were not detected at concentrations above their respective NYSDEC Part 703 Groundwater Quality Standards.
- The Limited Soil Vapor Intrusion Assessment detected several VOCs in the sub-slab soil gas and the indoor air. One VOC (TCE) was detected in the sub-slab soil vapor at a concentration that exceeds the minimum action level presented in the New York State Department of Health's (NYSDOH's) Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York (October 2006).

Remedial Investigation Work Plan, LaBella 2009

A Remedial Investigation (RI) Work Plan was developed in 2009 to evaluate the nature and extent of contamination at the Site. A majority of the RI has been completed. The results of the RI will be documented in a separate RI Report.

Due to the presence of chlorinated volatile organic compounds (CVOCs) in soil and groundwater at the Site, it was decided to install a sub-slab depressurization system (SSDS) within the Site building rather than perform extensive soil vapor intrusion testing. Mitigation Tech was retained by Yaro to complete an initial evaluation and then subsequently the installation of a SSDS. Based on the Mitigation Tech evaluation an Interim Remedial Measure Work Plan (IRM WP) dated March 2016 for the installation of the SSDS was developed and approved by NYSDEC with modifications in a letter dated April 20, 2016.

An electronic copy of this Construction Completion Report (CCR) with all supporting documentation is included as Appendix A.

2.0 SUMMARY OF SITE REMEDY

2.1 REMEDIAL ACTION OBJECTIVES

The following Remedial Action Objectives (RAOs) were identified for this IRM.

RAOs for Public Health Protection

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

3.0 INTERIM REMEDIAL MEASURE

This CCR documents the first IRM for this Site; no prior IRMs, operable units, or separate construction contracts have been identified or performed.

4.0 DESCRIPTION OF REMEDIAL ACTIONS PERFORMED

The primary objective of this IRM was to mitigate chlorinated VOC impacts identified in subsurface soil and groundwater at the Site. This objective was accomplished via the installation of a SSDS within the Site building. The Site is currently utilized for commercial/light industrial purposes. As such, the completion of intrusive work such as installation of the SSDS and collection of subsurface samples creates a significant disturbance to the occupants of the building.

The overall objective for the Site is its continued use for commercial/light industrial purposes.

This IRM completed at the Site was conducted in accordance with the NYSDEC-approved IRM WP dated March 2016 (approved by NYSDEC April 2016). Deviations from the IRM WP are noted in Section 4.5.

The Remedial Goals in the IRM WP were as follows:

- Install a SSDS to create negative sub-slab pressure beneath the Site Building, thus mitigating potential soil vapor intrusion issues within the Site building.
- Install gauges and alarms associated with the SSDS as well as pressure field extension (PFE) points to confirm the influence and monitor the operation of the system.

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. The majority of the system was constructed of Schedule 40 polyvinyl chloride (PVC) piping and fittings.

Between July 24, 2017 and August 29, 2017 sixteen (16) depressurization points and three (3) rooftop fans were installed within the Site building, creating three (3) sub-slab systems (or "sub-systems"). Each of these sub-systems consisted of four (4) to six (6) SSDS depressurization points, manifolded together and connected to a rooftop fan. System components are depicted on the As-Built drawings included in Appendix B. PFE monitoring points were installed in the Site building's floor slab during and subsequent to the installation of the SSDS. Three (3) sets of audible/visual alarms and analog pressure gauges, a set for each rooftop fan, were installed in August 2017. As part of each alarm system, 0.25-inch diameter tubing was connected and sealed into each sub-system. The locations of the audible/visual alarms are shown on the As-Built drawings in Appendix B.

SSDS effluent screening was completed with a photoionization detector (PID) on September 29, 2017 and effluent sampling was completed on October 24, 2017. Refer to Section 4.4.1 of this report for a discussion of the SSDS Effluent Screening conducted in connection with the three-fan SSDS.

Photos of this work are included in Appendix C.

Per the IRM WP post mitigation indoor air sampling was completed to assess the efficacy of the system. The post SSDS start-up air sampling was completed on January 18, 2018. The indoor air sampling locations are depicted on As-Built drawing Figure A included in Appendix B.

Each SSDS depressurization point was constructed by coring a hole in the Site building's concrete floor slab and removing sub-slab fill material to create an approximately one (1) cubic foot void space directly under the core hole. The concrete cores and removed sub-slab material were containerized on-site in 55-gallon drums for subsequent waste characterization and appropriate disposal by others. Each SSDS depressurization point was subsequently completed with a 3-inch diameter Schedule 40 PVC pipe or a 3-inch steel pipe for the initial approximate 4-ft in areas where tow-motors operate. Locations with steel piping were then transitioned to PVC. The piping was lowered into its respective core hole, so that the bottom of the pipe was flush with the bottom of the floor slab. Then, each pipe was sealed into the concrete floor slab using backer rod and urethane caulk to create

an airtight seal between the PVC pipe and the concrete floor slab. Figure B in Appendix B depicts details of a typical SSDS depressurization point.

Depending upon the location within the Site building, as well as a tenant's use of the area and concerns, SSDS depressurization points were generally installed as follows:

- mounted on the exterior, exposed surface of an interior wall; or
- mounted against an existing structural steel column, so that the steel column can be utilized to support the vertical piping. As anticipated, due to the presence of column footers that extend approximately three (3) feet horizontally from the center of each column, "trenching" of the concrete floor slab was necessary as part of these "column" installations. The "trenching" (i.e., removal of additional floor slab so horizontal piping could be run across the top of each column footer) was necessary to ensure that the SSDS depressurization point comes in contact with the sub-slab space and not with the concrete footer, which would restrict air flow. All material removed as part of the "trenching" was containerized on-site in 55-gallon drums for characterization and disposal by others.

Each riser pipe was run vertically to the area above the suspended ceiling tiles or to the underside of the roof deck in unfinished areas of the Site building, where it was continued horizontally across the interior of the Site building and connected to a 3-inch "header" pipe.

Each header pipe was eventually connected to a 3-inch diameter PVC header pipe, which penetrated the Site building's steel roof deck and roofing materials to connect to the rooftop exhaust fans with the exception of Fan 3, which exits the building wall and then proceeds above the roofline. Figure A in Appendix B illustrates the location of the system components.

The location of each SSDS rooftop exhaust fan was selected so that effluent from the fans would be discharged: at least ten (10) feet from any air intakes; at least twelve (12) inches above the surface of the roof; and at least ten (10) feet from any opening that was less than two (2) feet below the rooftop exhaust point.

Numerous PFE monitoring points were created prior to and during the installation of the SSDS to confirm the creation of a pressure differential, sub-slab to ambient air pressure. Section 4.4.4 details the monitoring of these points. Each PFE monitoring point consisted of a small-diameter (0.5-inch or less) hole drilled in the floor slab, through which a digital

micro-manometer was utilized to measure the pressure differential between the indoor space and the sub-slab space. These PFE monitoring points were sealed with backer rod and/or caulk subsequent to their use.

4.1 GOVERNING DOCUMENTS

4.1.1 IRM Work Plan and Associated Addendum

The IRM was conducted in accordance with the IRM WP and associated addendum. Deviations from the Work Plan and associated addendum are included in Section 4.5.

4.1.2 Site Specific Health & Safety Plan (HASP)

The HASP was included as Appendix 1 of the IRM WP. All remedial work performed as part of this IRM 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 intrusive work conducted at the Site. The HASP describes safety procedures and standards followed during IRM completion.

4.1.3 Community Air Monitoring Plan (CAMP)

The CAMP was included as Appendix 2 of the IRM WP and was implemented during all ground intrusive work (i.e., the construction of SSDS depressurization points and the completion of soil borings). 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 and removing sub-slab fill material to create a void space). VOC and particulate readings were recorded at regular time intervals to ensure that emission thresholds established in the CAMP were not exceeded. VOC and particulate readings recorded during construction of SSDS depressurization points are included in Appendix E.

4.1.4 Quality Control (QC) Program

The QC Program was included as Appendix 3 of the IRM WP approved by the NYSDEC. The QC Program contains procedures that provide for collected data to be properly evaluated and which document that quality control procedures have been followed in the collection of samples. The quality control program represents the methodology and

measurement procedures used in collecting quality field data. This methodology includes the proper use of equipment, documentation of sample collection, and sample handling practices. Procedures used in the firm's Quality Control program are compatible with federal, state, and local regulations, as well as appropriate professional and technical standards.

4.1.5 Community Participation Plan

Copies of the IRM WP were placed in the appropriate document repositories. Remaining community participation activities include Fact Sheets and public comment periods.

4.2 REMEDIAL PROGRAM ELEMENTS

4.2.1 Contractors and Consultants

The following contractors and consultants completed work at the Site:

| Contractor/ Consultant | Role |
|-------------------------------|---|
| LaBella Associates, D.P.C. | Environmental consultant responsible for correspondence with NYSDEC, coordination with tenants, ensuring compliance with applicable Site documents (i.e., IRM WP and associated addendum), environmental oversight of SSDS installation/construction, reporting, sample collection, and implementation of the CAMP. |
| Mitigation Tech | Construction contractor responsible for installation/construction of the SSDS. |
| Centek Laboratories | Laboratory analysis of SSDS Effluent, air, and sub-slab vapor samples. |
| DATAVAL Inc. | Preparation of Data Usability Summary Reports (DUSRs). |

4.2.2 Site Preparation

Pre-construction meetings were held with contractors and tenant of the Site building at various times prior to and during implementation of the IRM and construction of the SSDS. These meetings were held to discuss access to the tenant space, appropriate working schedules, and the final locations of the SSDS extractions points (based upon concerns and preferences of the tenant).

Documentation regarding agency approvals associated with this IRM is included in Appendix D. Non-agency permits were not required for this IRM.

4.2.3 General Site Controls

As noted in Sections 4.0 and 4.3, concrete floor slab material and sub-slab material removed during construction of the SSDS depressurization points were containerized on-site in 55-gallon drums for subsequent waste characterization and appropriate disposal, by others

The Site building was occupied during implementation of the IRM and construction of the SSDS and as such, Site security was provided by and coordinated with the tenant.

4.2.4 Nuisance Controls

Based upon results of the CAMP (see Section 4.2.5 and Appendix E), no significant dust/particulate or odor control mitigation was required during implementation of the IRM and construction of the SSDS. Contractors were diligent in their housekeeping and cleanup of work areas.

4.2.5 CAMP Results

Based upon results of the CAMP, no significant dust or odor control mitigation was required during implementation of the IRM and construction of the SSDS. Contractors were diligent in their housekeeping and cleanup of work areas. Copies of all field data sheets and field notes relating to the CAMP are provided in Appendix E.

4.2.6 Reporting

LaBella field notes associated with the installation of the SSDS are included in electronic format in Appendix E. Photographs associated with the installation of the SSDS are included in Appendix C.

4.3 CONTAMINATED MATERIALS REMOVAL

Each SSDS depressurization point was constructed by coring a hole in the Site building's concrete floor slab and removing sub-slab fill material to create an approximately one (1) cubic foot void space directly under the core hole. The concrete cores and removed sub-slab material was containerized on-site in 55-gallon drums for subsequent waste characterization and appropriate disposal by others.

4.4 REMEDIAL PERFORMANCE/DOCUMENTATION SAMPLING

Performance sampling associated with this IRM included the following:

- SSDS effluent screening (PID);
- SSDS effluent sampling;
- PFE monitoring point measurements;
- January 2018 indoor air and outdoor air sampling; and
- Data Usability Summary Reports (DUSRs) were prepared by DATAVAL Inc. of Fayetteville, NY (DATAVAL) for the SSDS effluent sampling. DATAVAL is currently completing a DUSR for the January 2018 air sampling and subsequent to completion that will be submitted under separate cover. The available DUSR is discussed in Section 4.4.3 and included in Appendix F. The associated full laboratory analytical reports are provided electronically in Appendix G.

4.4.1 Sub-Slab Depressurization System Effluent Screening and Sampling

September 2017 SSDS Effluent Screening

The three-fan SSDS was started on August 29, 2017 and PID readings were collected from each of the three (3) vent fan discharge points using a RAE Systems ppbRAE 3000 VOC Monitor (ppbRAE) on September 29, 2017. The results of this SSDS Effluent Screening are summarized below:

| Fan | Peak PID Reading (parts per billion) |
|------------|---|
| #1 | 495 |
| #2 | 395 |
| #3 | 38 |

October 2017 SSDS Effluent Sampling

Based upon the findings of the SSDS Effluent Screening, effluent from Fan #1 & #2, the locations with the highest PID readings was sampled per the IRM WP, as follows:

- The effluent samples were collected on October 24, 2017 using liter Summa[®] canisters equipped with pre-calibrated laboratory supplied flow regulators set for a sampling time of four (4) hours; and
- The Summa[®] canisters were connected to laboratory-grade, inert, polyethylene tubing that was extended approximately one (1) foot into the rooftop vent pipe of each of the targeted sub-slab venting locations.

It should be noted that initially sample “2017_10_24_EX1A” (effluent from Fan #1) was collected but due to an issue with the regulator, the sample only ran for approximately fourteen (14) minutes. A duplicate sample was also collected on this location at this time and also only ran for this duration. Due to this a second sample was collected “2017_10_24_EX1” and this sample performed adequately. Subsequent to sample collection, the samples were sent under standard chain of custody procedures to Centek Laboratories of Syracuse, New York (Centek) for analysis of VOCs using USEPA Method

TO-15, with a minimum detection limit of 1 µg/m³ with 0.25 µg/m³ for TCE and Vinyl Chloride, respectively. Centek is a NYSDOH Environmental Laboratory Approval Program (ELAP) certified laboratory. An “ASP-Category B-like” deliverables package was provided by Centek, and a DUSR was prepared DATAVAL for these data.

As summarized in Table 1, several VOCs were detected above laboratory MDLs in the effluent samples collected from Fan #1 and Fan #2. TCE was detected in effluent from these fans at concentrations of 13 ug/m³ and 1.2 ug/m³, respectively.

These results were utilized to assess the need for emission controls. Per DAR-1, Flowchart #1, compounds that are considered High Toxicity Air Pollutants were assessed to determine if the mass discharge is in compliance with 6-NYCRR Part 212 regulations. The GP-501 fans have a maximum air flow of approximately 70 cubic feet per minute (CFM). Assuming a maximum air flow for all three (3) fans and assuming each fan is discharging at the highest concentration identified the following mass emissions were calculated for the system as a whole.

| Compound | Highest Effluent Concentration (µg/m³) | Estimated Annual Mass Emission (lbs./yr) | 6-NYCRR Part 212-2.2 Table 2 HTAC Mass Emission Limits (lbs/yr) |
|----------------------|--|---|--|
| TCE | 13 | 0.083 | 500 |
| Carbon Tetrachloride | 0.5 | 0.003 | 100 |
| Benzene | 32 | 0.205 | 100 |

Based on the above minimal emission rates, further assessment of effluent discharges were not warranted.

4.4.2 Post-Startup Air Sampling

January 2018 Indoor Air and Outdoor Air

On January 18, 2018 (more than forty-five days after the installation and full startup of the three-fan SSDS, per the IRM WP), indoor air samples were collected from four (4) locations within the building (designated 300-IA-01, 300-IA-02, 300-IA-03, and 300-IA-

04). In addition, one (1) outdoor air sample (designated 300-EXT-01) was also collected as part of this sampling event. Quality Assurance/Quality Control (QA/QC) samples were also collected and consisted of one blind duplicate designated “Dupe” (collected from location 300-IA-04) and a Matrix Spike/Matrix Spike Duplicate (collected on 300-IA-01). The sampling locations are included on As-Built drawing Figure A in Appendix B.

The indoor air sampling was completed in accordance with the procedures provided in the NYSDOH’s *Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York* dated October 2006, as outlined in the IRM WP.

The samples were sent under standard chain of custody procedures to Centek for analysis of VOCs using USEPA Method TO-15, with a minimum detection limit of 1 µg/m³ with 0.25 µg/m³ for TCE and vinyl chloride, respectively. The results of the sampling event are summarized in the attached Table 2. The laboratory analytical results from Centek for this sampling event indicated that:

- The laboratory results indicate that the compounds detected do not exceed the NYSDOH Air Guideline Values.

Based on the post-mitigation indoor air samples, the SSDS is providing adequate mitigation of soil vapor intrusion.

4.4.3 Discussion of DUSRs

DUSR for SSDS Effluent Sampling

DATAVAL’s DUSR (see Appendix F) for Centek’s laboratory analytical report “C1710061” (see Appendix G) indicated the data was viable with the following notes:

- The results reported from sample “2017_10_24_EX1A” and “2017_10_24_DUPE” were rejected and “20147_10_24_EX1”, “20147_10_24_EX2” and “20147_10_24_Outdoor” were qualified.

As noted in Section 4.4, the rejected sample (and it’s duplicate) had a faulty regulator and this location was sampled via sample “20147_10_24_EX1” as such, the rejected data does not impact the data or conclusions of this report.

4.4.4 PFE Monitoring Points

Numerous PFE monitoring points were created across the Site Building during the installation of the SSDS to confirm the creation of a pressure differential, sub-slab to ambient air pressure. The locations of the PFE monitoring points were chosen based upon field conditions and the installed locations of the SSDS extraction points. The approximate locations of the PFE monitoring points are depicted on As-Built drawing Figure A in Appendix B. Each PFE point consists of a ± 0.5 -inch diameter hole drilled through the floor slab. A digital micro-manometer was utilized to measure the pressure differential between the indoor space and the sub-slab space. The cumulative results of the PFE readings collected to date are summarized in the Table below.

| PFE Location ID | Differential Pressure (Inches of Water Column) | |
|-----------------|---|-----------|
| | 10/24/17 | 7/30/2019 |
| A | -0.075 | -0.034 |
| B | -0.081 | -0.075 |
| C | 0.00* | -0.007 |
| D | -0.027 | N/A |
| E | -0.071 | N/A |
| F | -0.042 | -0.054 |
| G | -0.059 | -0.251 |
| H | N/A | -0.054 |
| I | N/A | -0.064 |

* Denotes that the differential pressure at this location was measured again on November 7, 2017 and a reading of -0.005"WC was recorded

These PFE monitoring points were sealed with backer rod and/or caulk subsequent to collecting the readings. Based on the PFE measurements obtained the SSDS is providing adequate capture beneath the entire building.

4.5 DEVIATIONS FROM THE IRM WP

The IRM WP indicated that the system would consist of four (4) sub-systems; however, based on the influence observed during the system installation only three (3) sub-systems were necessary.

J:\YARO ENTERPRISE INC\208723 BCP 300 COMMERCE\IRM SSDS CCR\RPT DRAFT_2019 YARO - 300 COMMERCE.DOCX

LIST OF TABLES

Table 1 – Summary of SSDS Exhaust Sampling Results

Table 2 – Summary of Post Startup Air Sampling Results

LIST OF FIGURES

Figure 1 – Site Location Map

Figure 2 – BCP Site Boundary

Figure 3 – Sub-Slab Depressurization System Layout and Indoor/Sub-slab &
Outdoor Air Sampling Locations

LIST OF APPENDICES

Appendix A – Electronic Copy of this CCR (Note: not included in this Draft version)

Appendix B – As-Built Drawings

Appendix C – Project Photo Log

Appendix D – Agency Approvals Associated with IRM

Appendix E – CAMP Field Data and Field Notes

Appendix F – DUSRs For Analytical Laboratory Data (Provided electronically, CD Included)

Appendix G – Raw Analytical Laboratory Data (Provided electronically, CD Included)

TABLES

TABLE 1
INTERIM REMEDIAL MEASURE - CONSTRUCTION COMPLETION REPORT
300 COMMERCE DRIVE, HENRIETTA, NEW YORK
NYSDEC BCP ID No. C828158

SUMMARY OF SUB-SLAB DEPRESSURIZATION SYSTEM EFFLUENT SAMPLING RESULTS
Results in Micrograms per Cubic Meter (µg/m³)
(USEPA Method TO-15)

| Parameter | CAS Number | Indoor Air Samples | | | Outdoor Ambient Air | QA/QC Sample | NYSDEC DAR-1 | |
|------------------------------------|------------|-----------------------------|---------------------------------------|----------------------------|---------------------|---|---|---|
| | | 2017_10_24_EX1A (Fan #1) | 2017_10_24_EX1 (Fan #1 - Resample) | 2017_10_24_EX2 (Fan #2) | 2017_10_24_Outdoor | 2017_10_24_DUP (Duplicate of 2017_10_24_EX1A) | Short-term Guideline Concentrations (SGCs) 1 (µg/m³) | Annual Guideline Concentrations (AGCs) 1 (µg/m³) |
| Volatile Organic Compounds (VOCs) | | | | | | | | |
| Chloromethane | 74-87-3 | 1-6 | 0.89 J | ND UJ | 0.81 J | ND | 22000 | 90 |
| Chloroethane | 75-00-3 | ND | ND UJ | 0.37 J | ND UJ | ND | NL | NL |
| Chloroform | 67-66-3 | ND | 0.63 J | 0.68 J | ND UJ | ND | 150 | 14.7 |
| Acetone | 67-64-1 | 11 | 260 J | 330 J | 7.6 J | 16 | 180000 | 30000 |
| Isopropyl Alcohol | 67-63-0 | 8-7 | 450 J | 1300 J | 1.3 J | 17 | 98000 | 7000 |
| Carbon Disulfide | 75-15-0 | ND | 5.1 J | 5.9 J | ND UJ | ND | 6200 | 700 |
| Carbon Tetrachloride | 56-53-5 | 0-5 | 0.5 J | 0.5 J | 0.44 J | 0-5 | 1900 | 0.17 |
| cis-1,2-Dichloroethene | 156-59-2 | ND | 17.0 J | 3.2 J | ND UJ | ND | NL | 63 |
| Methylene Chloride | 75-09-2 | 0-69 | 1.7 J | 1.1 J | 0.9 J | 1-7 | 14000 | 60 |
| Hexane | 110-54-3 | 0-7 | 12 J | 14.0 J | ND UJ | ND | NL | 700 |
| Methyl Ethyl Ketone | 78-93-3 | 1-4 | 37 J | 38 J | 0.97 J | 1-9 | 13000 | 5000 |
| Cyclohexane | 110-82-7 | 0-65 | 7.2 J | 13 J | ND UJ | 0-59 | NL | 6000 |
| Ethyl acetate | 141-78-6 | ND | ND UJ | 3.8 J | ND UJ | ND | NL | 3400 |
| Benzene | 71-43-2 | 1-4 | 30.0 J | 32.0 J | ND UJ | 1-5 | 1300 | 0.13 |
| Bromodichloromethane | 75-27-4 | ND | ND UJ | ND UJ | ND UJ | ND | NL | 70 |
| 1,4-Dichlorobenzene | 106-46-7 | ND | ND UJ | ND UJ | ND UJ | ND | NL | 0.09 |
| Heptane | 142-82-5 | 1-4 | 25 J | 31 J | ND UJ | 1-4 | 210000 | 3900 |
| Tetrachloroethene | 127-18-4 | ND | 3.7 J | ND UJ | ND UJ | ND | 300 | 4 |
| 1,1,1-Trichloroethane | 71-55-6 | ND | 0.76 J | ND UJ | ND UJ | ND | 9000 | 5000 |
| 1,2-Dichloroethane | 107-06-2 | ND | ND UJ | ND UJ | ND UJ | ND | NL | 0.038 |
| Trichloroethene | 79-01-6 | ND | 13 J | 1.2 J | ND UJ | ND | 20 | 0.2 |
| 2,2,4-Trimethylpentane | 540-84-1 | 1-2 | 28 J | 33 J | ND UJ | 1-3 | NL | 3300 |
| Toluene | 108-88-3 | 1-5 | 270 J | 260 J | 2.9 J | 20 | 37000 | 5000 |
| Trichlorofluoromethane (Freon 11) | 75-69-4 | 1-2 | 1.6 J | 1.8 J | 1.2 J | 1-2 | 9000 | 5000 |
| Dichlorodifluoromethane (Freon 12) | 75-71-8 | 2-4 | 3.0 J | 3.1 J | 2.2 J | 2-4 | NL | 12000 |
| Ethylbenzene | 100-41-4 | 1-8 | 43.0 J | 44 J | ND UJ | 1-9 | NL | 1000 |
| Xylene (m,p) | 1330-20-7 | 7-2 | 170.0 J | 170.0 J | 1 J | 7-3 | 22000 | 100 |
| Xylene (o) | 95-47-6 | 2-7 | 50 J | 54 J | 0.43 J | 2-8 | 22000 | 100 |
| Vinyl Chloride | 75-01-4 | ND | ND UJ | ND UJ | ND UJ | ND | 180000 | 0.11 |
| Styrene | 100-42-5 | ND | ND UJ | ND UJ | ND UJ | ND | 17000 | 1000 |
| 4-Ethyltoluene | 622-96-8 | ND | 9.3 J | 10 J | ND UJ | ND | NL | NL |
| 1,3,5-Trimethylbenzene | 108-67-8 | ND | 7.9 J | 8.4 J | ND UJ | ND | NL | 6 |
| 1,2,4-Trimethylbenzene | 95-63-6 | 2-0 | 28 J | 32 J | ND UJ | 2-1 | NL | 6 |

1. New York State Department of Environmental Conservation (NYSDEC) Division of Air Resources-1 (DAR-1) dated August 10, 2016.

ND - Denotes that the specific compound not detected above the reported laboratory method detection limit.

J - Denotes that the associated numerical value is an estimated quantity due to variance from quality control limits..

1.0~ Strikethrough denotes that the results were rejected by the data validator.

Yellow shading denotes that the compound was detected at a concentration greater than the DAR-1 Annual Guideline Concentration, it should be noted that the actual criteria requires air modeling; however, based on the limited mass emission a formal modeling does not appear warranted.

NL denotes that DAR-1 does not list a value for this compound.

TABLE 2
INTERIM REMEDIAL MEASURE - CONSTRUCTION COMPLETION REPORT
300 COMMERCE DRIVE, HENRIETTA, NEW YORK
NYSDEC BCP ID No. C828158

SUMMARY OF POST SUB-SLAB DEPRESSURIZATION SYSTEM INSTALLATION CONFIRMATORY SAMPLING
Results in Micrograms per Cubic Meter (µg/m³)
(USEPA Method TO-15)

| Soil Boring ID | Units | NYSDOH Sub-Slab Vapor Concentration Decision Matrix (minimum action level) ⁽¹⁾ | NYSDOH Indoor Air Concentration (minimum action level) ⁽¹⁾ | NYSDOH Guidance Table C2. USEPA BASE Database - 90th Percentile ⁽²⁾ | 300-IA-01/MSMSD | 300-IA-02 | 300-IA-03 | 300-IA-04 | 300-EXT-01 | DUPE |
|--------------------------|-------|---|---|---|-----------------|-----------|-----------|-----------|------------|-----------|
| Sample Depth (feet) | | | | | 1/18/2018 | 1/18/2018 | 1/18/2018 | 1/18/2018 | 1/18/2018 | 1/18/2018 |
| Sample Date | | | | | | | | | | |
| 1,1,1-Trichloroethane | ug/m3 | 100*** | 3*** | 20.6 | <0.82 | <0.82 | <0.82 | <0.82 | <0.82 | <0.82 |
| 1,2,4-Trimethylbenzene | ug/m3 | NL | NL | 9.5 | 0.69 J | 0.98 | 2.1 | 2.0 | <0.74 | 2.1 |
| Acetone | ug/m3 | NL | NL | 98.9 | 37 | 52 | 79 | 70.0 | 11.0 | 71.0 |
| Benzene | ug/m3 | NL | NL | 9.4 | 0.89 | 1.1 | 1.3 | 1.3 | 0.67 | 1.3 |
| Carbon tetrachloride | ug/m3 | 6 ** | 0.2** | <1.3 | 0.44 | 0.38 | 0.38 | 0.4 | 0.4 | 0.4 |
| Chloromethane | ug/m3 | NL | NL | 3.7 | 0.99 | 0.93 | 1.2 | 1.2 | 0.8 | <0.31 |
| Cyclohexane | ug/m3 | NL | NL | NL | 2.8 | 4.5 | 8.4 | 11 | <0.52 | 8.6 |
| Ethyl Acetate | ug/m3 | NL | NL | 5.4 | 1.7 | 3.7 | 3.6 | 4.3 | <0.54 | 4.4 |
| Ethylbenzene | ug/m3 | NL | NL | 5.7 | <0.65 | <0.65 | 0.43 | 0.5 | <0.65 | 0.5 |
| Freon 11 | ug/m3 | NL | NL | 18.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.2 |
| Freon 12 | ug/m3 | NL | NL | 16.5 | 2.3 | 2.4 | 2.3 | 2.3 | 2.3 | 2.2 |
| Heptane | ug/m3 | NL | NL | NL | 0.61 | 0.78 | 0.98 | 1.1 | <0.61 | 1.1 |
| Hexane | ug/m3 | NL | NL | 10.2 | 0.78 | 0.99 | 1.9 | 2.0 | <0.53 | 1.9 |
| Isopropyl Alcohol | ug/m3 | NL | NL | NL | 220 | 380 | 840 | 1600 | 2.6 | 1,500.0 |
| m,p-Xylene | ug/m3 | NL | NL | 22.2 | 0.65 J | 1.0 | 1.0 | 1.1 | <1.3 | 1.1 |
| Methly Ethyl Ketone | ug/m3 | NL | NL | NL | 2.1 | 3.3 | 3.9 | 4.0 | <0.88 | 4.3 |
| Methylene Chloride | ug/m3 | 100*** | 3***/60* | NL | 3.9 | 1.8 | 1.3 | 0.83 | 0.94 | 0.94 |
| o-xylene | ug/m3 | NL | NL | 7.9 | <0.65 | 0.48 | 0.61 | 0.6 | <0.65 | 0.7 |
| Stryene | ug/m3 | NL | NL | 1.9 | 0.43 J | 0.81 | 1.1 | 1.4 | <0.64 | 1.4 |
| Tetrachloroethylene | ug/m3 | 100*** | 3***/30* | NL | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Toluene | ug/m3 | NL | NL | 43 | 5.2 | 5.8 | 13 | 17.0 | 0.8 | 16.0 |
| trans-1,2-Dichloroethene | ug/m3 | NL | NL | NL | <0.59 | <0.59 | <0.59 | <0.59 | <0.59 | <0.59 |
| Trichloroethene | ug/m3 | 6 ** | 0.2** / 2* | 4.2 | <0.16 | 0.59 | <0.16 | 0.21 | <0.16 | 0.21 |
| Vinyl Chloride | ug/m3 | 6 **** | 0.2**** | <1.8 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |

Notes:

Concentrations in micrograms per cubic meter (ug/m³)

Samples analyzed for VOCs 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 and subsequent updates. [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 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.

* = Air Guideline Values obtained from Table 3.1, NYSDOH, Guidance for Evaluating Soil Vapor Intrusion in the State of New York and updates in September 2013 for PCE and August 2015 for TCE.

** = Guideline Value obtained from Soil Vapor/Indoor Air Matrix A (minimum action level), NYSDOH, Guidance for Evaluating Soil Vapor Intrusion in the State of New York May 2017.

*** = Guidance Value obtained from Soil Vapor/Indoor Air Matrix B (minimum action level), NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York May 2017.

**** = Guidance Value obtained from Soil Vapor/Indoor Air Matrix C (minimum action level), NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York May 2017.

Red values are above Air Guideline Derived by NYSDOH in Table 3.1 of NYSDOH Guidance titled "Evaluating Soil Vapor Intrusion in the State of New York", October 2006 (and subsequent updates).

J - Analyte detected below quantitation limit

NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York , May 2017 Decision Matrices Notes:

NO FURTHER ACTION:

No additional actions are recommended to address human exposures

IDENTIFY SOURCE(S) AND RESAMPLE OR MITIGATE:

We recommend that reasonable and practical actions be taken to identify the source(s) affecting the indoor air quality and that actions be implemented to reduce indoor air concentrations to within background ranges. For example, if an indoor or outdoor air source is identified, we recommend the appropriate party implement actions to reduce the levels. In the event that indoor or outdoor sources are not readily identified or confirmed, resampling (which might include additional sub-slab vapor and indoor air sampling locations) is recommended to demonstrate that SVI mitigation actions are not needed. Based on the information available, mitigation might also be recommended when soil vapor intrusion cannot be ruled out.

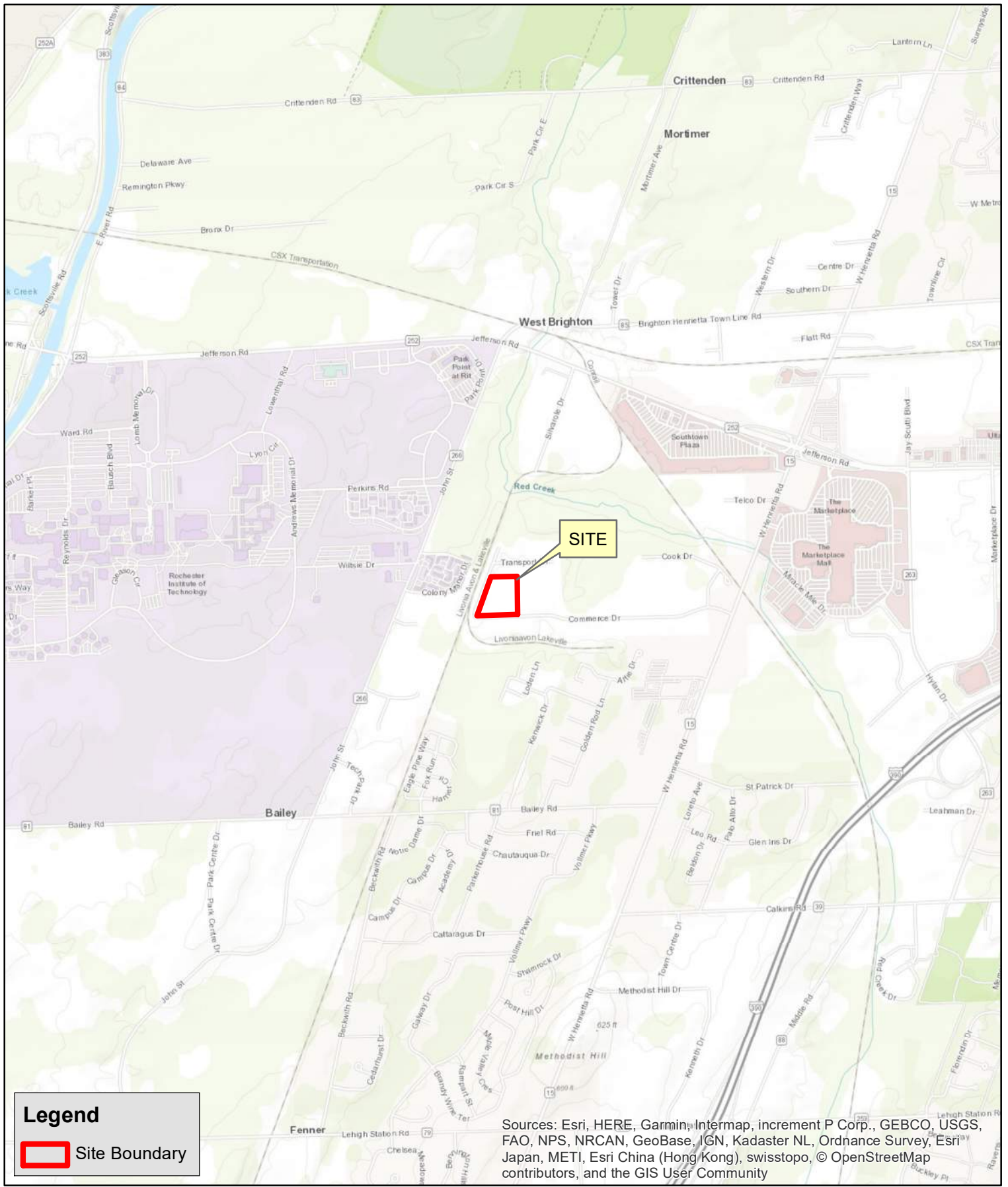
MONITOR:

We recommend monitoring (sampling on a recurring basis), including but not necessarily limited to sub-slab vapor, basement air and outdoor air sampling, to determine whether concentrations in the indoor air or sub-slab vapor have changed and/or to evaluate temporal influences. Monitoring might also be recommend to determine whether existing building conditions (e.g., positive pressure heating, ventilation and air-conditioning systems) are maintaining the desired mitigation endpoint and to determine whether changes are needed. The type and frequency of monitoring is determined based on site-, building-, and analyte-specific information, taking into account applicable environmental data and building operating conditions. Monitoring is an interim measure required to evaluate exposures related to soil vapor intrusion until contaminated environmental media are remediated.

MITIGATE:

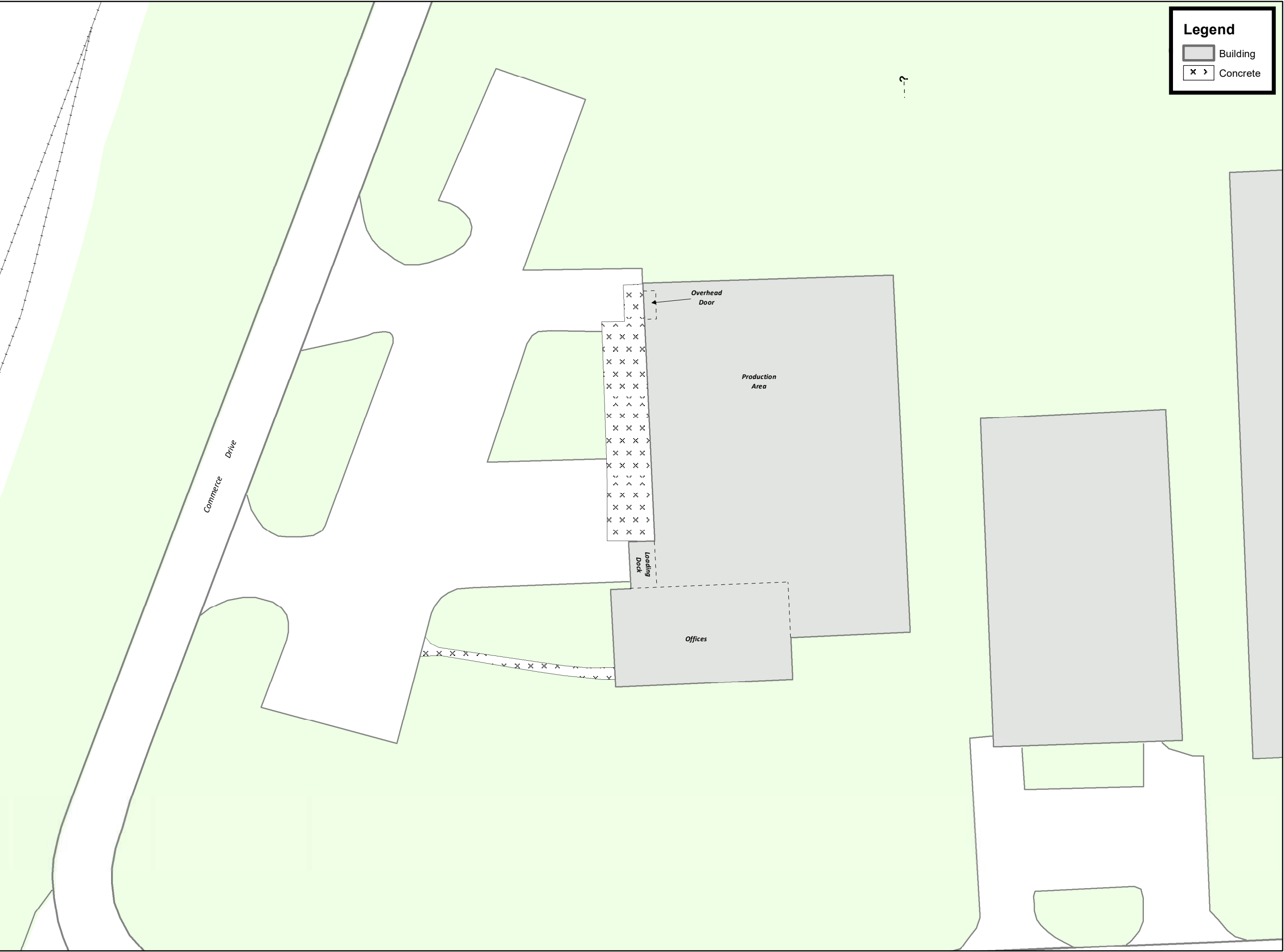
We recommend mitigation to minimize current or potential exposures associated with soil vapor intrusion. The most common mitigation methods are sealing preferential pathways in conjunction with installing a sub-slab depressurization system and changing the pressurization of the building in conjunction with monitoring. The type, or combination of types, of mitigation is determined on a building-specific basis, taking into account building construction and operating conditions. Mitigation is considered a temporary measure implemented to address exposures related to soil vapor intrusion until contaminated environmental media are remediated.

FIGURES



| | | | |
|---|--|---|---|
| PROJECT #/DRAWING #/DATE: <div style="border: 1px solid black; padding: 5px; margin: 5px 0;">208723</div> <div style="border: 1px solid black; padding: 5px; margin: 5px 0;">FIGURE 1</div> 9/3/2019 | DRAWING NAME: <div style="text-align: center; padding: 10px;">SITE LOCATION MAP</div> | CLIENT: BROWNFIELD CLEANUP PROGRAM #C828158 PROJECT: CONSTRUCTION COMPLETION REPORT: SSDS 300 COMMERCE DRIVE HENRIETTA, NEW YORK | <div style="text-align: center;"> <div style="display: flex; align-items: center; justify-content: center;"> <div style="width: 100px; border-bottom: 1px solid black; margin-right: 5px;"></div> <div style="text-align: center;">0 900 1,800</div> <div style="margin-left: 5px;">Feet</div> </div> <p>1 inch = 2,000 feet INTENDED TO PRINT AS: 8.5" X 11"</p> </div> <div style="text-align: right; padding-top: 20px;"> <div style="display: inline-block; vertical-align: middle;"> LaBella Powered by partnership. </div> </div> |
|---|--|---|---|

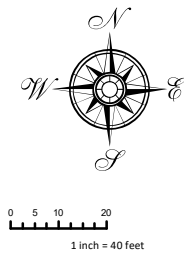
Y:\Morgan Management LLC\208465\Figures\RI Boring Plan Working 11x17.mxd



**Brownfield Cleanup Site
#C828158
300 Commerce Drive
Town of Henrietta, New York**

**Client:
Yaro Enterprises, Inc.**

**Title:
Site Boundary**



Issued For: **FINAL** Date: 02/09/2011
Drawn By: MFP

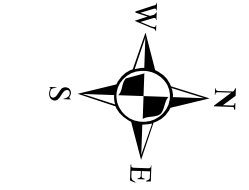
208723
FIGURE 2

APPENDIX A

ELECTRONIC VERSION OF CCR (HARD COPY ONLY)

APPENDIX B

AS-BUILT DRAWINGS



0 10 20
Feet
1 inch = 15 feet
INTENDED TO PRINT AS: 11" x 17"

CLIENT:

**BROWNFIELD CLEANUP
PROGRAM #C828158**

PROJECT:

**CONSTRUCTION COMPLETION
REPORT: SSDS
300 COMMERCE DRIVE
HENRIETTA, NEW YORK**

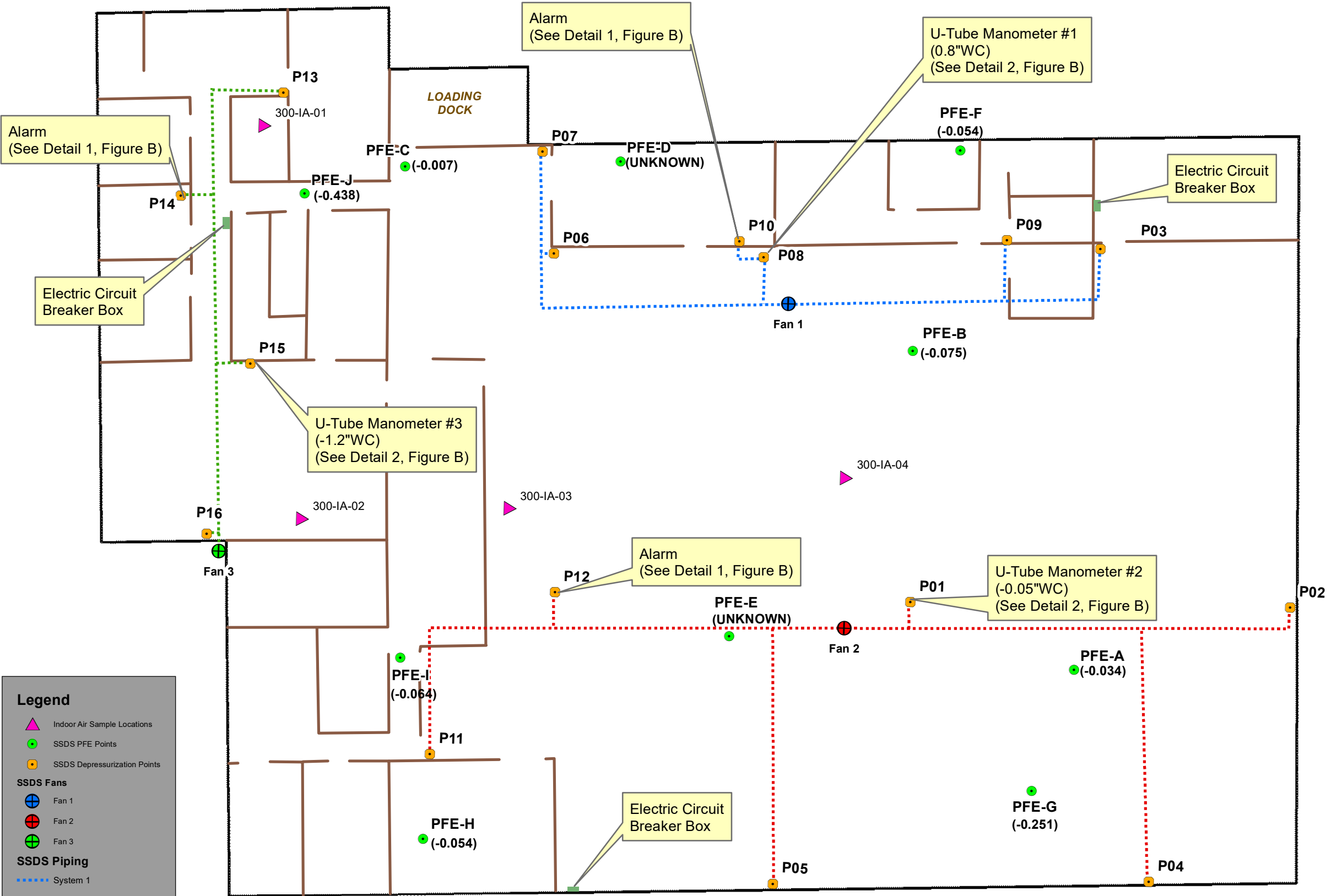
DRAWING NAME:

**SUB-SLAB
DEPRESSURIZATION
SYSTEM AS-BUILT**

PROJECT/DRAWING NUMBER:

208723

FIGURE A



Legend

Indoor Air Sample Locations

SSDS PFE Points

SSDS Depressurization Points

SSDS Fans

Fan 1

Fan 2

Fan 3

SSDS Piping

System 1

System 2

System 3

Interior Walls

NOTES:
1) Property boundaries obtained from Monroe County GIS and are considered approximate.
2) Building outline is approximate and obtained from a emergency exit route map obtained from the building tenant.
3) Investigation locations measured from existing Site features.
4) PFE measurements displayed in inches of water column. readings shown are from July 2019. Locations without reading where inaccessible at the time.

DETAIL 1
SUBSLAB DEPRESSURIZATION SYSTEM
ALARM DETAIL

DETAIL 2
U-TUBE MANOMETER GAUGE DETAIL

SUBSOIL DEPRESSURIZATION SYSTEM PIPING NOTES:

A. STEEL PIPE UTILIZED FOR INITIAL 3FT OF VERTICAL DROP PIPE IN SOME LOCATIONS.

LEGEND

↑
SYSTEM FLOW DIRECTION

DRAWING NOT TO SCALE

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.



PROJECT/CLIENT
YARO ENTERPRISES
BCP SITE #C828158

300 COMMERCE DRIVE
HENRIETTA, NEW YORK

SUB-SLAB DEPRESSURIZATION
SYSTEM DETAILS AS-BUILT

| | |
|--------------|-----|
| DESIGNED BY: | DTN |
| DRAWN BY: | DRP |
| REVIEWED BY: | DPN |

DATE: August 2019

PROJECT/DRAWING NUMBER

208723

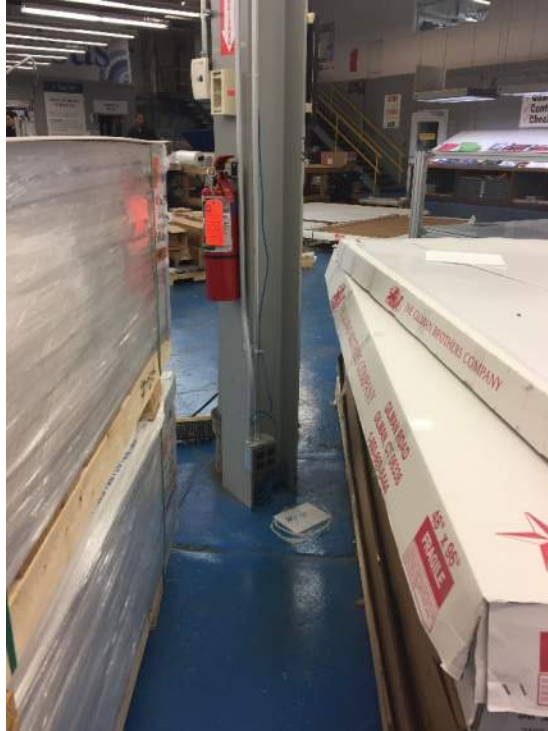
FIGURE B

APPENDIX C

PROJECT PHOTO LOG



View of Fan 3



View of P-1



View of P-2



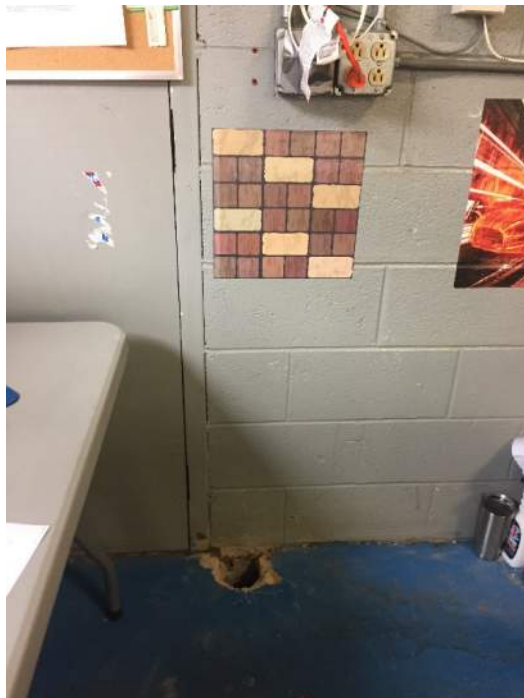
View of P-3



View of P-6



View of P-7



View of P-8



View of P-9



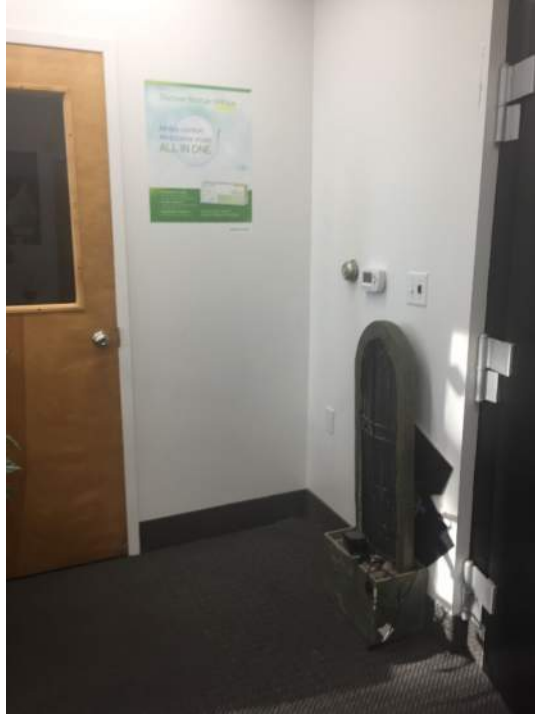
View of P-10



View of P-11



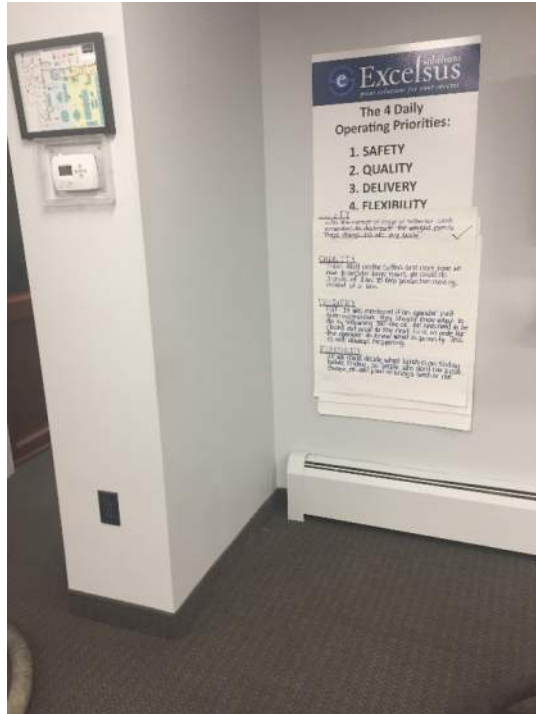
View of P-12



View of P-13



View of P-14



View of P-15



View of P-16



View of rooftop Fan 1



View of rooftop Fan 2



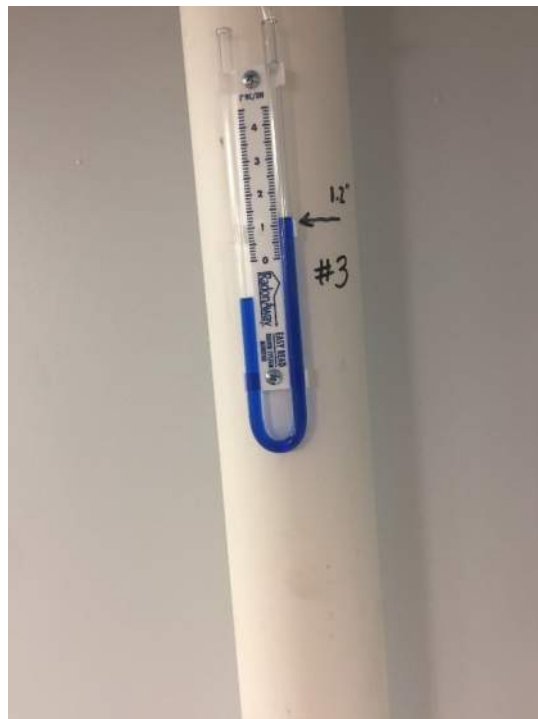
View of rooftop fans



View of u-tube manometer 1



View of u-tube manometer 2



View of u-tube manometer 3

APPENDIX D

AGENCY APPROVALS

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Region 8 Main Office

6274 East Avon-Lima Road, Avon, NY 14414-9516

P: (585) 226-2466 | F: (585) 226-2830

www.dec.ny.gov

April 20, 2016

Mr. Tony Kirik
Yaro Enterprises, Inc.
228 Rosemont Drive
Rochester, New York 14617

Re: Interim Remedial Measures Work Plan -
Sub-Slab Depressurization System Installation
300 Commerce Drive
Site No.: C828158
Henrietta (T), Monroe (C)

Dear Mr. Kirik:

The New York State Department of Environmental Conservation (Department) in conjunction with the New York State Department of Health (NYSDOH) have completed a review of the Interim Remedial Measures Work Plan – Sub-Slab Depressurization System Installation (IRMWP) dated March 2016 for the 300 Commerce Drive site (Site) located at 300 Commerce Drive, in the Town of Henrietta, Monroe County. Based on the information presented in the IRMWP, the IRMWP is approved with the following modifications and clarifications.

1. Section 4.1.2, Page 5: If the void space underneath the slab cannot be maintained to prevent clogs or blocks the suction pipe, additional measures will need to be implemented to maintain that void space for proper operation of the sub-slab depressurization system.
2. Section 5.2.1, Page 7: The IRMWP states that a minimum of 45 days after full startup of the SSD system indoor air sampling event will occur. Please note that if this initial indoor air sampling event does not fall during the heating season as defined in the NYSDOH guidance document then an additional indoor air sampling event will need to be completed during the heating season.

The Department requests that the indoor air samples collected be analyzed for the full USEPA Method TO-15 analytical parameter list for direct comparison purposes with the previous sampling event data.

3. Section 6.0, Page 8: The analytical data generated as part of the sub-slab depressurization system installation will be submitted to the Department in the appropriate electronic data deliverable that complies with the Department's current requirements.

The Construction Completion Report documenting the installation of the SSD system will be submitted to the Department and NYSDOH 90 days after the installation is complete.

An Interim Site Management Plan (ISMP) that includes an Operation & Maintenance Plan (O&M Plan) for the sub-slab depressurization system must be developed and submitted to the



Department and NYSDOH for review and approval. The Department's current Site Management Plan template ISMP needs to be used for the ISMP. The ISMP will be submitted to the Department and NYSDOH for review 90 days after the installation of the SSD is complete.

4. QAPP, Table 10-2: The holding time for samples collected starts at the time of collection not when the sample is received by the laboratory. Please revise this table for future submittals.
5. As per the Brownfield Cleanup Agreement, please provide the Department with 7 days advance notice of any fieldwork activities so that appropriate Department oversight can be provided.

Within fifteen (15) days of the day of the letter, the Applicant shall elect one of the three (3) options presented below in writing (electronic notification is acceptable) to either:

- Option A: Accept the State modified work plan; or
- Option B: Invoke dispute resolution as set forth in paragraph 375-1.5(b)(2) or
- Option C: Terminate the agreement in accordance with subdivision 375-3.5.

If the Applicant chooses Option A then a copy of the RAAR/RAWP and this letter must be placed in the document repository within 7 days of acceptance of the Department's modified document. Failure to notify the Department within 15 days of the date of this letter the Department will conclude that Option A has been elected by the Applicant.

If you have any questions or concerns regarding this letter, or need further assistance with the Site, please feel free to contact me at 585-226-5354 or via e-mail at charlotte.theobald@dec.ny.gov.

Sincerely,

Charlotte B. Theobald
Environmental Engineer 1

Enc.

ec:
Paul Sylvestri (Harter Secrest & Emery, LLP)
Dan Noll (Labella)
Justin Deming (NYSDOH)
Melissa Doroski (NYSDOH)
Wade Silkworth (MCHD)
James Mahoney (NYSDEC)
Bernette Schilling (NYSDEC)
Greg MacLean (NYSDEC)

APPENDIX E

FIELD NOTES AND CAMP DATA

FIELD NOTES/CAMP DATA

Mitigation System Installation Record

☐ Structure was sampled previously

System Information

System ID:

Site No:

Site Name:

Owner Name:

☐ Owner Occupied

System Address:

Telephone:

City: Zip:

Alt. Telephone:

Contractor Information

Installer Name:

Company:

Telephone:

Building Conditions

Building Type:

Slab Integrity: ☐ Poor ☐ Average ☐ Good ☐ Excellent

Slab Penetrations: ☐ Sump ☐ Floor drain ☐ Perimeter drain ☐ Other

Describe:

Observed Water: ☐ Dry ☐ Damp ☐ Sump only ☐ Standing

Describe:

System Installation

Installation Type:

Date Installed:

Slab Thickness (inches):

Subslab Material:

Subslab Moisture:

Number of Suction Points:

Number of Fans Installed:

☐ Fan #1 Operating

☐ Fan #2 Operating

☐ Fan #3 Operating

Fan Model No(s):

Fan Serial No(s):

Final U-Tube Levels:

Additional Mitigation Elements (check all that apply):

☐ Drainjer

☐ Membrane

☐ Sealed cracks

☐ New floor

☐ Rain cap

☐ Other

Comments:

Communication Testing

Test Method: Meter Type/Manufacturer: _____

| Location | Reading/Result | Dist. From Suction Point (ft) | Passed? |
|----------|----------------|-------------------------------|--------------------------|
| | | | <input type="checkbox"/> |
| | | | <input type="checkbox"/> |
| | | | <input type="checkbox"/> |
| | | | <input type="checkbox"/> |
| | | | <input type="checkbox"/> |

NORTH

System Sketch

(indicate notable features, location of extraction points, and communication test holes)

Refer to As-Built Drawings

| | | |
|--|---|--|
| ABELLA Associates, P.C. 300 State Street Rochester, New York 14614 Phone: (585) 454-6110 Fax: (585) 454-3066 | SITE-WIDE INSPECTION FORM | |
| | Project Name: NYSDEC Site No. C835025 | |
| | Location: Canandaigua Multi-Brownfield Site | |
| | Project No.: 208723 | |
| | Inspected By: E. Detweiler | |
| | Date of Inspection: 7/30/19 | |
| Weather Conditions: 76°, overcast | | |

1. GENERAL SITE CONDITIONS

Building generally in good condition. Office space is not currently occupied. Warehouse space occupied and in good condition. SSD Systems (1, 2, 3) operating as intended/designed (Note: fan of system 1 not accessible at time of inspection but communication testing shows adequate influence)

2. COVER SYSTEM OBSERVATIONS

NA

3. SSDS INSPECTION (COMPLETE 1 PER SYSTEM)

* SEE ATTACHED SHEET FOR

| LOCATION | | BUILDING/ SSDS | | COMMUNICATION TESTING RESULTS | |
|--|-------------------------------|--|--|-------------------------------|--|
| SYSTEM 1 | | | | | |
| Sub-Slab Depressurization System - Fan #1: | | Sub-Slab Depressurization System - Fan #2: | | | |
| Operational - | Yes | Operational - | | | |
| Vacuum Gauge Reading (inches of water) - | U-tube manometer inaccessible | Vacuum Gauge Reading (inches of water) - | | | |
| Alarm Check - | inaccessible | Alarm Check - | | | |
| due to pallets being stored by riser | | | | | |
| SSDS Piping Check - Damage? - YES/NO | | | | | |
| SSDS Fan Check - Damage? - YES/NO | | | | | |

| BUILDING/ LOCATION | | | |
|--|------------|--|--|
| SYSTEM 2 | | | |
| Sub-Slab Depressurization System - Fan #1: | | Sub-Slab Depressurization System - Fan #2: | |
| Operational - | Yes | Operational - | |
| Vacuum Gauge Reading (inches of water) - | -0.5" WC | Vacuum Gauge Reading (inches of water) - | |
| Alarm Check - | functional | Alarm Check - | |
| SSDS Piping Check - Damage? - YES/NO | | | |
| SSDS Fan Check - Damage? - YES/NO | | | |

| | | | |
|--|--|--|--|
| BUILDING/ LOCATION <u>SYSTEM 3</u> | | | |
| Sub-Slab Depressurization System - Fan #1: | | Sub-Slab Depressurization System - Fan #2: | |
| Operational - <u>Yes</u> | | Operational - <u>NA</u> | |
| Vacuum Gauge Reading (inches of water) - <u>-1.2" WC</u> | | Vacuum Gauge Reading (inches of water) - <u>NA</u> | |
| Alarm Check - <u>functional</u> | | Alarm Check - <u>NA</u> | |
| SSDS Piping Check – Damage? – YES/NO <u>NO</u> | | | |
| SSDS Fan Check – Damage? – YES/NO <u>NO</u> | | | |

| | | | |
|--|--|--|--|
| BUILDING/ LOCATION | | | |
| Sub-Slab Depressurization System - Fan #1: | | Sub-Slab Depressurization System - Fan #2: | |
| Operational - <u>NA</u> | | Operational - <u>NA</u> | |
| Vacuum Gauge Reading (inches of water) - <u>NA</u> | | Vacuum Gauge Reading (inches of water) - <u>NA</u> | |
| Alarm Check - <u>NA</u> | | Alarm Check - <u>NA</u> | |
| SSDS Piping Check – Damage? – YES/NO | | | |
| SSDS Fan Check – Damage? – YES/NO | | | |

| | | | |
|--|--|--|--|
| BUILDING/ LOCATION | | | |
| Sub-Slab Depressurization System - Fan #1: | | Sub-Slab Depressurization System - Fan #2: | |
| Operational - <u>NA</u> | | Operational - <u>NA</u> | |
| Vacuum Gauge Reading (inches of water) - <u>NA</u> | | Vacuum Gauge Reading (inches of water) - <u>NA</u> | |
| Alarm Check - <u>NA</u> | | Alarm Check - <u>NA</u> | |
| SSDS Piping Check – Damage? – YES/NO | | | |
| SSDS Fan Check – Damage? – YES/NO | | | |

COMMUNICATION TESTING POINT
(PRESSURE FIELD EXTENSION POINT)
MANOMETER READING
(" Water Column)

1) PFE-A

-0.034 " WC

2) PFE-B

-0.075 " WC

3) PFE-C

-0.007 " WC

4) PFE-D

 Inaccessible due to storage of
wooden pallets of cleaner

5) PFE-E

 Inaccessible due to storage of
pallets of cleaning product

6) PFE-F

-0.054 " WC

7) PFE-G

-0.251 " WC

8) PFE-H

-0.054 " WC

9) PFE-I

-0.064 " WC

10) PFE-J

-0.438 " WC

KRM on-site @ 14:55 w/
MFT Tech: N. Manganis, Aaron, Bob. B.
Eran & Alex (Aaron does
not stay
past 15:30)

Following CAMP meters, Eco rentals

FA03081 DustTrak II

FA02532 PID MMiRAE 3000

working in printing production area
of SNE bldg. along N wall
background readings VOCs 4.8 - 5.3 ppm

part. \pm 0.020 mg/m³

"P-1" created previously during plot test
(I'm unsure of how it was referred to
@ that time); located 2 columns to S of P-2

P-2 along N ext. wall near 4th

steel column from NE corner of
bldg. using rotary hammer drill to
create penetration in conc. floor slab
(conc. floor ~~thick~~ thick). PID readings
on 1st sm. dia. drill hole = 19.3 ppm
(background \pm 5 ppm)

"P-1"
6-8 ppm

| time | P-2 CAMP (ppm) VACS | (mg/m ³) part. | comments |
|-------|---------------------|----------------------------|---|
| 15:35 | 4.2 | 0.026 | begin hammer drilling |
| 15:40 | 4.3 | 0.022 | hammer drilling |
| 15:45 | 4.4 | 0.026 | " " |
| 15:50 | 4.4 | 0.030 | finishing hole (widening) |
| 15:55 | 4.4 | 0.017 | some soil fill but then more sub concrete sub-slab |
| 16:00 | 4.4 | 0.020 | widening hole @ FF |
| 16:05 | 4.4 | 0.029 | more sub-slab conc. |
| 16:10 | 4.5 | 0.020 | found. Footer? |
| 16:15 | 4.4 | 0.026 | |
| 16:20 | 4.5 | 0.024 | 9.2 ppm PID screen of open hole |

(4.4 bckgnd)

screen "P-1" after removal of plastic seal

PID reads 5.2 ppm w/ 4.5 ppm bckgnd

reportedly a 1/3 "gap" of soil fill between 8" conc. floor slab and top of footer for steel column; will attach fans to both P-1 and P-2 to see if PFE influence reaching the E and West walls

w/ Fans on each penetration exhaust readings as follows:

| | |
|-----|---------|
| P-2 | 4.7 ppm |
| P-1 | 4.1 ppm |

P-3 near NW Exit doorway @
wall on W side of print/production
area

P-3 CAMP

| | time | vac | part. | comments |
|--|-------|-----|-------|-----------------------|
| conc. Floor slab 6"-8" thick | 17:15 | 4.2 | 0.018 | begin hammer drill |
| | 17:20 | 4.1 | 0.020 | |
| | 17:25 | 4.4 | 0.036 | |
| | 17:30 | 4.2 | 0.042 | |
| | 17:35 | 4.1 | 0.024 | |
| | 17:40 | 4.0 | 0.028 | end |
| | 17:45 | 4.2 | 0.030 | |
| | | | | |

Mitigation Tech is doing a very good
job of housekeeping of dust & conc.
debris during drilling & depressurization
points and PFE monitoring points. Using
wet/dry shop vacuum, vented to outside
plus dustpan and broom.

PFD screen on P-3 open hole
28.5 ppm (4.1 Background)

Parity PFE testing w/ fans
all exhaust is vented to
outdoor air using poly sheet tubes.

bckgnd 3.5 ppm
0.036 mg/m³
P-4 CAMP near P-4 located on E ext. wall
near NE corner of bldg

| time | VOCs (ppm) | part. (mg/m ³) | comments |
|-------|------------|----------------------------|--------------------|
| 18:55 | 3.0 | 0.032 | begin hammer drill |
| 19:00 | 3.9 | 0.020 | |
| 19:05 | 4.1 | 0.021 | |
| 19:10 | 4.1 | 0.016 | |
| 19:15 | 4.2 | 0.020 | |
| 19:20 | 4.2 | 0.024 | |
| 19:25 | 4.0 | 0.016 | |
| 19:30 | 4.0 | 0.036 | end |

much coarse gravel sub-slab

slab 6" ±
thick
Forgot to
PID screen
P-4
before
it was
temp-sealed.

P-5 on E ext. wall
after 10th window from NE
corner of bldg. bckgnd 4.1 ppm
0.024 mg/m³

| time | VOCs | part. | comments |
|-------|------|-------|--------------------|
| 19:40 | 4.1 | 0.014 | begin hammer drill |
| 19:45 | 4.2 | 0.023 | |
| 19:50 | 4.1 | 0.026 | |
| 19:55 | 4.0 | 0.020 | |
| 20:00 | 4.0 | 0.063 | |
| 20:05 | 4.0 | 0.022 | |
| 20:10 | 4.1 | 0.018 | end |

much gravel sub slab here
some plastic sheeting & rebar

PID
Screen
9.4 ppm
(4.4
bckgnd)

KRM 4
MPTech
off site
20:30

PROJECT BCP # C828/58 SHEET 1 OF 3
PROJECT NO. 208723 CALC. BY _____ DATE 7/25/17
SUBJECT 300 Commerce Dr. SCALE _____
SSDS Install.

Plm & MFT Tech on-site @ 15:00

Aaron, Bob, Evan, Alex

Background readings

\pm 2.6 ppm VOCs

\pm 0.012 mg/m³

P-6, near corridor to loading dock

| time | VOCs | part | comments |
|-------|------|-------|------------------------------------|
| 15:45 | 1.5 | 0.013 | begin hammer |
| 15:50 | 1.0 | 0.016 | drilling |
| 15:55 | 1.2 | 0.008 | (loading dock) |
| 16:00 | 1.2 | 0.007 | door open |
| 16:05 | 1.6 | 0.025 | chiseling out slab |
| 16:10 | 1.5 | 0.051 | loading dock door closed |
| 16:15 | 1.3 | 0.012 | |
| 16:20 | 1.7 | 0.026 | exc. sub slab fill fill |
| 16:25 | 1.9 | 0.012 | done |

conc. floor slab \pm 8" thick
PID screen of P-6 = 2.1 ppm
no odors noted

performance testing w/ 2 types
of fans placed on P-6 did
not show good air flow or
PFE toward the loading dock so will
add another depress. Pt. = P-7

P-7, located on N side of interior
O/H door @ loading dock
background readings: 0.084 mg/m³
1.4 ppm

| time | (ppm) Vocs | (mg/m ³) part. | comments |
|-------|---------------|-------------------------------|--------------------------|
| 17:10 | 1.5 | 0.125 | begin hammer drill |
| 17:15 | 1.8 | 0.087 | |
| 17:20 | 2.1 | 0.148 | |
| 17:25 | 1.9 | 0.094 | |
| 17:30 | 2.1 | 0.124 | chiseling slab |
| 17:35 | 1.8 | 0.156 | |
| 17:40 | 2.0 | 0.136 | |
| 17:45 | 1.7 | 0.156 | |
| 17:50 | 1.8 | 0.084 | |
| 17:55 | 1.4 | 0.084 | excavating sub-slab fill |
| 18:00 | 1.6 | 0.087 | |
| 18:05 | 1.6 | 0.131 | done |

PID screen of P-7 0.7 ppm
conc. floor slab 7-8" thick

P-8 located behind desk/workstation
in production/print area
background VOCs 2.5 ppm
part. 0.046 mg/m³

| time | (ppm) VOCs | (mg/m ³) part. | comments |
|-------|---------------|-------------------------------|--------------------|
| 18:30 | 2.8 | 0.061 | begin hammer drill |
| 18:35 | 3.5 | 0.084 | |
| 18:40 | 2.7 | 0.054 | done |

conc. floor slab 1/2" 5" thick
some standing water observed in bottom of hole

FTD screen of P-8 → 6.7 ppm hole

PFE measurements appear to show lower than ideal air flow around this area of the bldg, resulting in modest PFE.

MA Tech & KRM off-site
@ 19:30

END 7/25/17

from and MIT Tech on-site @ 15:00
(Aaron, Bob, Evan, & Alex)

P-9 in ~~water~~ room between
break room and restrooms
background. VOCs → 2.9 ppm
part. 0.097 mg/m³

conc. floor slabs ± 6" thick here

| Time | VOCs | part. | Comments |
|-------|------|-------|--------------------------|
| 15:45 | 2.8 | 0.093 | begin hammer drill |
| 15:50 | 3.1 | 0.063 | |
| 15:55 | 3.4 | 0.045 | ↓ |
| 16:00 | 2.9 | 0.056 | chipping out slab |
| 16:05 | 3.8 | 0.076 | |
| 16:10 | 3.6 | 0.084 | |
| 16:15 | 2.9 | 0.096 | ↓ |
| 16:20 | 3.1 | 0.112 | excavating sub-slab fill |

PFE pt. drilled in SW corner of break room
screen P-9 as soon as hammer drill hole
circle is made = 195 ppm w/ odors

A later, PID screen of larger hole = 48 ppm

| | | |
|-------|-----|-------|
| 16:25 | 3.2 | 0.110 |
| 16:30 | 3.3 | 0.096 |
| 16:35 | 2.8 | 0.070 |
| 16:40 | 3.6 | 0.118 |

Done w/ P-9

Michael McGovern

PROJECT BCP CB28158

SHEET 2 OF 3

PROJECT NO. 208723

CALC. BY

DATE 7/25/17

SUBJECT 300 Commerce Dr.

SCALE

SSDS Install

60

P-10 located in NE corner of "flat storage" room (currently much Wegmans signage product on shelves here)
background → 0.026 mg/m³ 3.2 ppm

| time | vacs | part. | comments |
|-------|------|-------|--------------------------|
| 17:00 | 3.1 | 0.056 | begin hammer drill |
| 17:05 | 3.2 | 0.066 | |
| 17:10 | 3.3 | 0.052 | |
| 17:15 | 3.0 | 0.118 | chisel into slab |
| 17:20 | 3.1 | 0.084 | |
| 17:25 | 2.9 | 0.059 | |
| 17:30 | 2.9 | 0.115 | excavating sub-slab fill |
| 17:35 | 2.8 | 0.120 | done |

PFD screen of P-10 yields

3.2 ppm

~~conc.~~ conc. floor slab +/- 6" thick
Using ~~vac~~ shop vac. as a "fan" w/
~~vac~~ +/- 6" H₂O vacuum, P-10 yields
from 0.007 to 0.013 in. H₂O on the
PFE point in this room (±20' SW of
P-10)

P-11 located in the SE corner
of the print/production area;
near the "Lancer Dancer" cheerleader
poster

background

0.068 mg/m³
4.0 ppm VOCs

| time | VOCs | part. | Comments |
|-------|------|-------|-----------------|
| 18:00 | 4.1 | 0.036 | begin hammer |
| 18:05 | 4.1 | 0.023 | |
| 18:10 | 4.1 | 0.026 | |
| 18:15 | 3.5 | 0.081 | chisel out slab |
| 18:20 | 4.0 | 0.025 | |
| 18:25 | 4.2 | 0.072 | |

PID screen of small drain hole = 8.4 ppm

| | | | |
|-------|-----|-------|---------------------|
| 18:30 | 4.2 | 0.134 | |
| 18:35 | 4.1 | 0.057 | excavating sub-slab |
| 18:40 | 4.1 | 0.043 | fill |
| 18:45 | 4.1 | 0.030 | |
| 18:50 | 4.1 | 0.055 | |
| 18:55 | 4.1 | 0.043 | |
| 19:00 | 4.2 | 0.044 | |
| 19:05 | 4.1 | 0.045 | Done |

PID screen of finished hole = 5.5 ppm
KRM & MAT Tech off site @ 19:30
KRM

Kram & Mit Tech on-site @ 15:00

Aaron, Bob, Evan, Alex

will put 1 more penetration in
print/production space before
moving into office space on S end
of bldg.

P-12 located to S of 5th column
(center) from N end of bldg, ~~just~~
(to N of Laminating Room)
bckgnd. → vocs 3.0 ppm
part. 0.020 mg/m³

| time | vocs | part. | comments |
|-------|------|-------|-------------------------|
| 15:55 | 3.0 | 0.028 | begin hammer drill |
| 16:00 | 3.4 | 0.030 | |
| 16:05 | 3.7 | 0.022 | chisel out slab |
| 16:10 | 3.7 | 0.023 | |
| 16:15 | 3.8 | 0.033 | excavating subslab fill |
| 16:20 | 3.7 | 0.032 | |
| 16:25 | 3.8 | 0.021 | |
| 16:30 | 3.6 | 0.038 | |
| 16:35 | 3.5 | 0.034 | DONE |

PID screen of P-12 once chiseled out = 7.8 ppm
max

SSDS Install. NE corner of

P-13, Office space & reception area
room on SW corner of bldg.
backgd. VOCs 1.4 ppm
part. 0.105 mg/m³

| Time | VOCs | part. | Comments |
|-------|------|-------|---------------------|
| 17:10 | 1.4 | 0.136 | begin hammer drill |
| 17:15 | 1.4 | 0.139 | chiseling out slab |
| 17:20 | 1.5 | 0.156 | |
| 17:25 | 1.4 | 0.138 | |
| 17:30 | 1.4 | 0.122 | |
| 17:35 | 1.5 | 0.156 | |
| 17:40 | 0.9 | 0.184 | excavating sub slab |
| 17:45 | 1.1 | 0.176 | DONE |

P-13 PID Screen 2.3 ppm

P-14 NW corner of 2nd flr down hall from
Reception Area, backgd same as P-13 (above)

| Time | VOCs | part | Comments |
|-------|------|-------|--------------------|
| 17:25 | 1.3 | 0.152 | begin hammer drill |
| 17:30 | 1.3 | 0.153 | |
| 17:35 | 1.3 | 0.176 | |
| 17:40 | 1.2 | 0.126 | done hammer drill |
| 18:00 | 1.1 | 0.158 | chiseling out slab |
| 18:05 | 1.2 | 0.170 | |
| 18:10 | 1.1 | 0.186 | |
| 18:15 | 1.2 | 0.180 | |
| 18:20 | 1.2 | 0.186 | DONE |

SSDS Install.

P-15 w. side of curble office area
back ground : vocs 0.7 ppm
part. 0.107 mg/m³

| time | vocs | part | comments |
|-------|------|-------|---------------------|
| 17:45 | 0.7 | 0.122 | |
| 17:50 | 0.7 | 0.136 | begin hammer drill |
| 17:55 | 0.7 | 0.108 | done hammer drill |
| 18:40 | 1.1 | 0.176 | chisel out slab |
| 18:45 | 1.2 | 0.147 | |
| 18:50 | 1.2 | 0.168 | |
| 18:55 | 1.3 | 0.160 | excavating sub slab |
| 19:00 | 1.2 | 0.184 | DONE fill |

P-16 E side of curble office area
background same as P-15 (above)

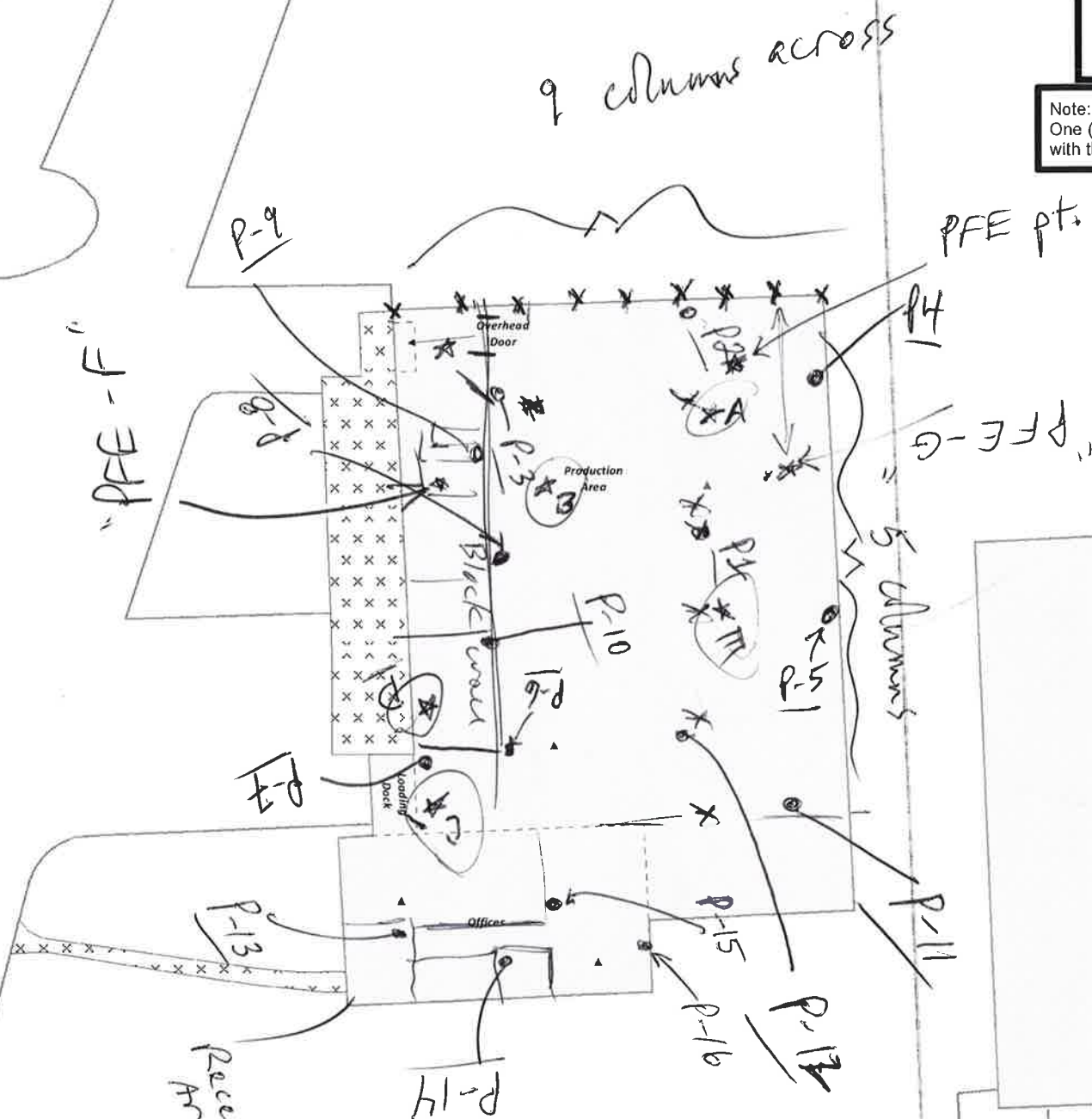
| time | vocs | part. | comments |
|-------|------|-------|--------------------------|
| 18:00 | 1.1 | 0.046 | begin hammer drill |
| 18:05 | 1.2 | 0.175 | |
| 18:10 | 0.9 | 0.120 | done hammer drill |
| 18:15 | 0.9 | 0.104 | begin chiseling slab |
| 18:20 | 1.3 | 0.092 | |
| 18:25 | 1.4 | 0.094 | |
| 18:30 | 1.1 | 0.065 | |
| 18:35 | 0.9 | 0.052 | Excavating sub slab fill |
| 18:40 | 1.1 | 0.176 | |
| 18:45 | 1.2 | 0.147 | |
| 18:50 | 1.2 | 0.168 | DONE |

PID screen P-16 = 1.7 ppm

Legend

- ▲ Proposed
- ▭ Project F
- ▭ Building
- × × × Concrete
- +— Railroad

Note:
One (1) outdoor air sam
with the indoor air samp



PFE monitoring pts.
as 7 7/24/17 = 4 of these
27 km 8

PROJECT 300 Commerce SHEET 1 OF 2
PROJECT NO. 208723 CALC. BY _____ DATE 9/29/17
SUBJECT SSDS Fan exhaust SCALE _____
PID readings

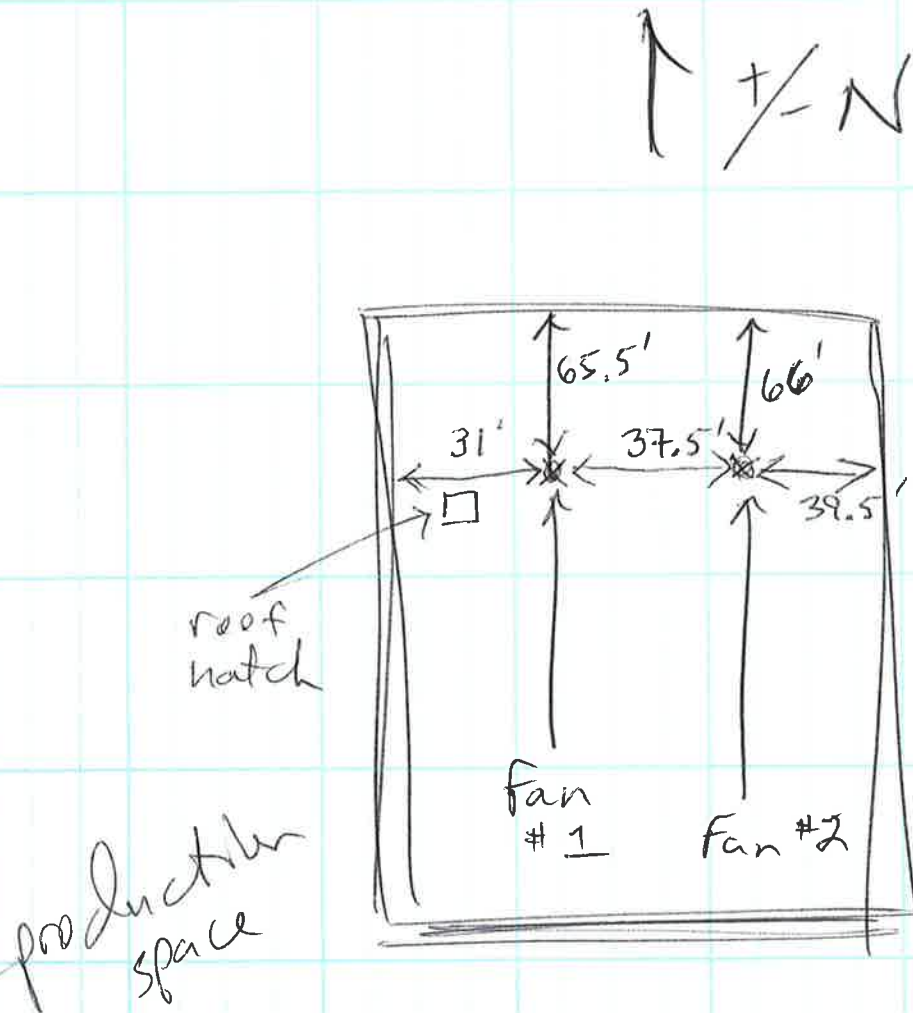
① From on-site @ 10:45 to
measure SSDS Fan exhaust
w/ ppb RAE (rental from EcoRentals
FA01239)
weather 60°F, sunny, rain later today
Fan #3 on S side of small
bldg and NE corner of office
space

background 0 ppb
38 ppb^{peak} exhaust readings

Fan #1
roof top, western
background 70 ppb, 495 ppb peak
exhaust readings

Fan #2 ~~roof~~ roof top, eastern
background 47 ppb
395 peak exhaust readings

9/27/17 telecon. w/ Aaron of Mit.
Tech, Aaron says fans were
powered on on August 29, 2017
(31 days ago)



N.T.S

Fan #1

Extraction pts.

P3, P9, P8, P10, P7, P6

P8 has U-tube manometer

Fan #2

P1, P2, P4, P5, P11, P12

P1 has U-tube manometer

Fan #3

office space

P13 - P16

P15 has U-tube manometer

PROJECT 300 Commerce Dr. SHEET 1 OF 3
 PROJECT NO. 208723 CALC. BY _____ DATE 10/24/17
 SUBJECT SSDS Exhaust Sampling SCALE _____

Klm on-site @ 12:00

① set up 1-2 can and duplicate w/ "T" connector roof top on Exhaust Fan 1

Regulator malfunction here (reg #250)

start @ 12:38 w/ 26" vacuum;

end @ 12:52 w/ 2" vacuum.

can #322

(1-2)

⇒ "2017-10-24-Ex 1A" and

"2017-10-24-Dup" ← can #457 (1-2)

per telecon. w/ J. Gillen, will submit the 2 above samples and continue w/ sampling.

② outdoor air sample, location on

flag pole hook, winds from the

reg #267 South and southwest, 16 mph w/

can #484 gusts to 24 mph

(1.4L)

overall 68°F, partly cloudy,

humidity 51%

"2017-10-24-outdoor"

start @ 13:04 / 30"

14:18/23" ; 15:28/15" ; 16:17/9.5" ;

17:07/4" ; 17:40/2" stop

Klm

PROJECT 300 Commerce Dr. SHEET 2 OF 3

PROJECT NO. 208723 CALC. BY _____ DATE 10/24/17

SUBJECT SSDS exhaust sampling SCALE _____

roof top exhaust Fan 1 (western fan)

"2017-10-24-EX1" start @ 13:14/29"

14:21/21" ; 15:21/15" ; 15:55/10" ; 16:42/6"

17:31/1.5" STOP

Can # 362 (1-L)

reg # 281

roof top exhaust Fan 2 (eastern fan)

"2017-10-24-EX2"

start @ 13:19/29"

14:22/18" ; 15:22/8" ; 15:56/2.5" ; 16:00/2" STOP

reg # 297

Can # 96 (1-L)

PFE measurements from PFE monitoring points previously installed by mitigation tech in 7/2017 (see field sketch dated 7/27/17 for locations/names)

"PFE-A" - may not have been installed 7/2017 (later?) located ~10' SE of column between P-1 & P-2 reading = -0.075" H₂O

"PFE-B" to W of P-1 column (new conc. seam line) ~10' E of stairs to second floor

reading = -0.081" H₂O

"PFE-C" Leaky dock area on SW portion of bldg ~3' E of main door

reading = 0.000 in H₂O

"PFE-D"

30'-35' to N. of "PFE-C" -0.027

"PFE-E"

$\pm 5'$ E of column between P-1 and P-12
reading = -0.071

"PFE-F"

SW corner of break room
reading = -0.042

"PFE-G"

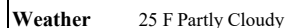
reading = $\frac{\text{from}}{-0.063} - 0.059$
or

10'-15' to W of Elec switch mtd. on ext. wall
 $\pm 35'$ S of 1st column W of NE corner
of bldg.

from off-site @ 18:00

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

INDOOR AIR SAMPLING LOGS



300-IA-03 located in work area, placed on top of Fire Extinguisher holder on southern wall to office.

300-1A-04 chosen as sample to collect duplicate from. Sample taken from north central portion of Work area. Sample placed on top of stack of cardboard product.

APPENDIX F

DATA USABILITY SUMMARY REPORTS

DATA USABILITY SUMMARY REPORT

for

LaBella Associates, P.C.

300 State Street

Rochester, NY 14614

300 Commerce Drive

Project 208723

SDG: C1710061

Sampled 10/24/2017

TO-15 AIR SAMPLES

| | |
|---------------------|---------------|
| 20147_10_24_EX1A | (C1710061-01) |
| 20147_10_24_DUP | (C1710061-02) |
| 20147_10_24_Outdoor | (C1710061-03) |
| 20147_10_24_EX1 | (C1710061-04) |
| 20147_10_24_EX2 | (C1710061-05) |

DATA ASSESSMENT

A TO-15 data package containing analytical results for five air samples was received from LaBella Associates, P.C. on 29Dec17. The ASP deliverables package included formal reports, raw data, the necessary QC, and supporting information. The samples, taken from the 300 Commerce Drive 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 reported from 2017_10_24-EX1A and 2017_10_24_DUP have been rejected, and the results from 20147_10_24_Outdoor, 20147_10_24_EX1 and 20147_10_24_EX2 have been qualified as estimations because the samples were not collected properly.

The concentration of 1,2,4-trimethylbenzene found in every sample except 2014_10_24_Outdoor has been qualified as an estimation due to high spiked sample recoveries.

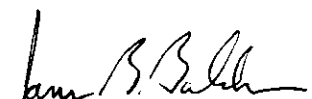
The identifications of heptane in 2014_10_24_EX2 could not be verified based on the mass spectra references included in the raw data. Heptane should be interpreted as undetected in this sample.

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 "UJ". 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: 08 Jan 18

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 five air samples that were collected in 1-liter SUMMA canisters. 2017_10_24_Outdoor was collected in a 1.4-liter canister to facilitate the preparation of MS/MSD samples. Sampling was completed on 24Oct17. The canisters were shipped back to the laboratory, via FedEx, on 26Oct17, and were received the following morning. 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 a 4-hour sample, the sampling of 2017_10_24-EX1A and 2017_10_24_DUP had to be terminated after fourteen minutes, and the collection of 2017_120_24_EX2 was stopped after two hours and forty-one minutes. The results from 2017_10_24-EX1A and 2017_10_24_DUP have been rejected due to the faulty flow regulators. The results from 2017_120_24_EX2 have been qualified as estimations.

The collection of each sample was terminated at a vacuum reading of -2"Hg. Because this measurement failed to satisfy the ASP requirement of -5 ± 1 "Hg, the results from this group of samples have been qualified as estimations. The agreement between vacuum readings recorded following sample collection and at the time of analysis indicated that sample integrity was maintained during this period. The slight differences are assumed to reflect the quality of the canister vacuum gauges.

| SAMPLE | PRIOR TO SHIPMENT ("Hg) | PRIOR TO SAMPLING ("Hg) | POST SAMPLING ("Hg) | LAB RECEIPT ("Hg) | LAB ANALYSIS ("Hg) |
|-----------|-------------------------|-------------------------|---------------------|-------------------|--------------------|
| EX1A | -30 | -26 | -2 | -2 | -2 |
| Duplicate | -30 | -26 | -2 | -2 | -2 |
| Outdoor | -30 | -30 | -2 | -2 | -2 |
| EX1 | -30 | -29 | -1.5 | -2 | -2 |
| EX2 | -30 | -29 | -2 | -2 | -2 |

The analysis of this group of samples was completed on 30Oct17 and 31Oct17, 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'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.

MS TUNING

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

BFB ion abundance criteria was reported from standards run before the initial instrument calibration and prior to the analysis of program samples on 30Oct17 and 31Oct17. Each of these checks satisfied the ASP acceptance criteria.

CALIBRATION

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

The initial instrument calibration was performed on 24Oct17. Standards of 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 standards was analyzed on 30Oct17, prior to the 24-hour period of instrument operation that included samples from this program. When compared to the initial calibration, each targeted analyte 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 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, acceptable performance was reported for the 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.

2017_10_24_Outdoor 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-trimethylbenzene (149%,150%) and methyl butyl ketone (144%) results. The positive 1,2,4-trimethylbenzene results found in this group of samples have been qualified as estimations based on the indications of positive bias. The methyl butyl ketone results from this delivery group and the 1,2,4-trimethylbenzene result from 2017_10_24_Outdoor were negative and remain unqualified. It is noted that the results from 2017_10_24-EX1A and 2017_10_24_DUP were previously rejected. The remaining analyte spikes were recovered successfully.

Two spiked blanks (LCS/LCSD) were also analyzed with this group of samples. This LCS pair demonstrated acceptable levels of measurement precision and accuracy.

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 measure-

ment 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 heptane in 2014_10_24_EX2 could not be verified based on the mass spectra references included in the raw data. Heptane should be interpreted as undetected in this sample.

SUMMARY OF QUALIFIED DATA

300 COMMERCE DRIVE

SAMPLED OCTOBER 2017

| | | SAMPLING | SPIKE SAMPLE 1,2,4-TRIMETHYLBENZENE | MS ID HEPTANE |
|---------------------|---------------|----------|--|------------------|
| 20147_10_24_EX1A | (C1710061-01) | ALL R | | |
| 20147_10_24_DUP | (C1710061-02) | ALL R | | |
| 20147_10_24_Outdoor | (C1710061-03) | ALL J/UJ | | |
| 20147_10_24_EX1 | (C1710061-04) | ALL J/UJ | 28J | |
| 20147_10_24_EX2 | (C1710061-05) | ALL J/UJ | 32J | 31UJ |

Centek Laboratories, LLC

Date: 20-Nov-17

CLIENT: LaBella Associates, P.C.
 Lab Order: C1710061
 Project: 300 Commerce Dr
 Lab ID: C1710061-001A

Client Sample ID: 2017_10_24_EX1A
 Tag Number: 322.250
 Collection Date: 10/24/2017
 Matrix: AIR

| Analyses | Result | **Limit | Qual | Units | DF | Date Analyzed |
|-------------------------------|--------|---------|------|-------|----|------------------------|
| 1UG/M3 W/ 0.25UG/M3 CT-TCE-VC | | TO-15 | | | | Analyst: RJP |
| 1,1,1-Trichloroethane | < 0.82 | 0.82 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| 1,1,2,2-Tetrachloroethane | < 1.0 | 1.0 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| 1,1,2-Trichloroethane | < 0.82 | 0.82 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| 1,1-Dichloroethane | < 0.61 | 0.61 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| 1,1-Dichloroethene | < 0.59 | 0.59 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| 1,2,4-Trichlorobenzene | < 1.1 | 1.1 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| 1,2,4-Trimethylbenzene | 2.0 | 0.74 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| 1,2-Dibromoethane | < 1.2 | 1.2 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| 1,2-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| 1,2-Dichloroethane | < 0.61 | 0.61 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| 1,2-Dichloropropane | < 0.69 | 0.69 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| 1,3,5-Trimethylbenzene | < 0.74 | 0.74 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| 1,3-butadiene | < 0.33 | 0.33 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| 1,3-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| 1,4-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| 1,4-Dioxane | < 1.1 | 1.1 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| 2,2,4-trimethylpentane | 1.2 | 0.70 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| 4-ethyltoluene | < 0.74 | 0.74 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| Acetone | 11 | 3.6 | | ug/m3 | 5 | 10/31/2017 12:02:00 AM |
| Allyl chloride | < 0.47 | 0.47 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| Benzene | 1.4 | 0.48 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| Benzyl chloride | < 0.86 | 0.86 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| Bromodichloromethane | < 1.0 | 1.0 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| Bromoform | < 1.6 | 1.6 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| Bromomethane | < 0.58 | 0.58 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| Carbon disulfide | < 0.47 | 0.47 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| Carbon tetrachloride | 0.50 | 0.25 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| Chlorobenzene | < 0.69 | 0.69 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| Chloroethane | < 0.40 | 0.40 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| Chloroform | < 0.73 | 0.73 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| Chloromethane | 1.6 | 0.31 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| cis-1,2-Dichloroethene | < 0.59 | 0.59 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| cis-1,3-Dichloropropene | < 0.68 | 0.68 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| Cyclohexane | 0.55 | 0.52 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| Dibromochloromethane | < 1.3 | 1.3 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| Ethyl acetate | < 0.54 | 0.54 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| Ethylbenzene | 1.8 | 0.65 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| Freon 11 | 1.2 | 0.84 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| Freon 113 | < 1.1 | 1.1 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| Freon 114 | < 1.0 | 1.0 | | ug/m3 | 1 | 10/30/2017 4:59:00 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

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Centek Laboratories, LLC

Date: 20-Nov-17

CLIENT: LaBella Associates, P.C.
 Lab Order: C1710061
 Project: 300 Commerce Dr
 Lab ID: C1710061-001A

Client Sample ID: 2017_10_24_EX1A
 Tag Number: 322.250
 Collection Date: 10/24/2017
 Matrix: AIR

| Analyses | Result | **Limit | Qual | Units | DF | Date Analyzed |
|-------------------------------|--------|---------|------|-------|----|------------------------|
| 1UG/M3 W/ 0.25UG/M3 CT-TCE-VC | | | | | | Analyst: RJP |
| Freon 12 | 2.4 | 0.74 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| Heptane | 1.4 | 0.61 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| Hexachloro-1,3-butadiene | < 1.6 | 1.6 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| Hexane | 0.70 | 0.53 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| Isopropyl alcohol | 5.7 | 1.8 | | ug/m3 | 5 | 10/31/2017 12:02:00 AM |
| m&p-Xylene | 7.2 | 1.3 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| Methyl Butyl Ketone | < 1.2 | 1.2 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| Methyl Ethyl Ketone | 1.4 | 0.88 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| Methyl Isobutyl Ketone | < 1.2 | 1.2 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| Methyl tert-butyl ether | < 0.54 | 0.54 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| Methylene chloride | 0.69 | 0.52 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| o-Xylene | 2.7 | 0.65 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| Propylene | < 0.26 | 0.26 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| Styrene | < 0.64 | 0.64 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| Tetrachloroethylene | < 1.0 | 1.0 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| Tetrahydrofuran | 0.88 | 0.44 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| Toluene | 1.6 | 2.8 | | ug/m3 | 5 | 10/31/2017 12:02:00 AM |
| trans-1,2-Dichloroethene | < 0.59 | 0.59 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| trans-1,3-Dichloropropene | < 0.68 | 0.68 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| Trichloroethene | < 0.21 | 0.21 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| Vinyl acetate | < 0.53 | 0.53 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| Vinyl Bromide | < 0.66 | 0.66 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| Vinyl chloride | < 0.10 | 0.10 | | ug/m3 | 1 | 10/30/2017 4:59:00 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

Page 2 of 10

Centek Laboratories, LLC

Date: 20-Nov-17

CLIENT: LaBella Associates, P.C.

Client Sample ID: 2017_10_24_DUP

Lab Order: C1710061

Tag Number: 457.250

Project: 300 Commerce Dr

Collection Date: 10/24/2017

Lab ID: C1710061-002A

Matrix: AIR

| Analyses | Result | **Limit | Qual | Units | DF | Date Analyzed |
|-------------------------------|--------|---------|------|-------|----|------------------------|
| 1UG/M3 W/ 0.25UG/M3 CT-TCE-VC | | TO-15 | | | | Analyst: RJP |
| 1,1,1-Trichloroethane | < 0.82 | 0.82 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| 1,1,2,2-Tetrachloroethane | < 1.0 | 1.0 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| 1,1,2-Trichloroethane | < 0.82 | 0.82 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| 1,1-Dichloroethane | < 0.61 | 0.61 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| 1,1-Dichloroethene | < 0.59 | 0.59 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| 1,2,4-Trichlorobenzene | < 1.1 | 1.1 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| 1,2,4-Trimethylbenzene | 2.1 | 0.74 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| 1,2-Dibromoethane | < 1.2 | 1.2 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| 1,2-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| 1,2-Dichloroethane | < 0.61 | 0.61 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| 1,2-Dichloropropane | < 0.69 | 0.69 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| 1,3,5-Trimethylbenzene | < 0.74 | 0.74 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| 1,3-butadiene | < 0.33 | 0.33 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| 1,3-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| 1,4-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| 1,4-Dioxane | < 1.1 | 1.1 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| 2,2,4-trimethylpentane | 1.3 | 0.70 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| 4-ethyltoluene | < 0.74 | 0.74 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| Acetone | 16 | 3.6 | | ug/m3 | 5 | 10/31/2017 12:39:00 AM |
| Allyl chloride | < 0.47 | 0.47 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| Benzene | 1.5 | 0.48 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| Benzyl chloride | < 0.86 | 0.86 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| Bromodichloromethane | < 1.0 | 1.0 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| Bromoform | < 1.6 | 1.6 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| Bromomethane | < 0.68 | 0.68 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| Carbon disulfide | < 0.47 | 0.47 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| Carbon tetrachloride | 0.50 | 0.25 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| Chlorobenzene | < 0.69 | 0.69 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| Chloroethane | < 0.40 | 0.40 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| Chloroform | < 0.73 | 0.73 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| Chloromethane | < 0.31 | 0.31 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| cis-1,2-Dichloroethene | < 0.59 | 0.59 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| cis-1,3-Dichloropropene | < 0.68 | 0.68 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| Cyclohexane | 0.59 | 0.52 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| Dibromochloromethane | < 1.3 | 1.3 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| Ethyl acetate | < 0.54 | 0.54 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| Ethylbenzene | 1.9 | 0.65 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| Freon 11 | 1.2 | 0.84 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| Freon 113 | < 1.1 | 1.1 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| Freon 114 | < 1.0 | 1.0 | | ug/m3 | 1 | 10/30/2017 5:39:00 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

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Centek Laboratories, LLC

Date: 20-Nov-17

CLIENT: LaBella Associates, P.C.
 Lab Order: C1710061
 Project: 300 Commerce Dr
 Lab ID: C1710061-002A

Client Sample ID: 2017_10_24_DUP
 Tag Number: 457.250
 Collection Date: 10/24/2017
 Matrix: AIR

| Analyses | Result | **Limit | Qual | Units | DF | Date Analyzed |
|-------------------------------|--------|---------|------|--------------|----|------------------------|
| 1UG/M3 W/ 0.25UG/M3 CT-TCE-VC | | TO-15 | | Analyst: RJP | | |
| Freon 12 | 2.4 | 0.74 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| Heptane | 1.4 | 0.91 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| Hexachloro-1,3-butadiene | < 1.6 | 1.6 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| Hexane | < 0.53 | 0.53 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| Isopropyl alcohol | 17 | 1.8 | | ug/m3 | 5 | 10/31/2017 12:39:00 AM |
| m&p-Xylene | 7.3 | 1.3 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| Methyl Butyl Ketone | < 1.2 | 1.2 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| Methyl Ethyl Ketone | 1.9 | 0.88 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| Methyl Isobutyl Ketone | 0.45 | 1.2 | J | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| Methyl tert-butyl ether | < 0.54 | 0.54 | R | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| Methylene chloride | 1.7 | 0.52 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| o-Xylene | 2.8 | 0.55 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| Propylene | < 0.26 | 0.26 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| Styrene | < 0.64 | 0.64 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| Tetrachloroethylene | < 1.0 | 1.0 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| Tetrahydrofuran | 1.0 | 0.44 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| Toluene | 20 | 2.8 | | ug/m3 | 5 | 10/31/2017 12:39:00 AM |
| trans-1,2-Dichloroethene | < 0.59 | 0.59 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| trans-1,3-Dichloropropene | < 0.68 | 0.68 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| Trichloroethene | < 0.21 | 0.21 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| Vinyl acetate | < 0.53 | 0.53 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| Vinyl Bromide | < 0.66 | 0.66 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| Vinyl chloride | < 0.10 | 0.10 | | ug/m3 | 1 | 10/30/2017 5:39:00 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

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Centek Laboratories, LLC

Date: 20-Nov-17

CLIENT: LaBella Associates, P.C.

Client Sample ID: 2017_10_24_Outdoor

Lab Order: C1710061

Tag Number: 484.267

Project: 300 Commerce Dr

Collection Date: 10/24/2017

Lab ID: C1710061-003A

Matrix: AIR

| Analyses | Result | **Limit | Qual | Units | DF | Date Analyzed |
|-------------------------------|--------|---------|-------|-------|----|------------------------|
| 1UG/M3 W/ 0.25UG/M3 CT-TCE-VC | | | TO-15 | | | Analyst: RJP |
| 1,1,1-Trichloroethane | < 0.82 | 0.82 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| 1,1,2,2-Tetrachloroethane | < 1.0 | 1.0 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| 1,1,2-Trichloroethane | < 0.82 | 0.82 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| 1,1-Dichloroethane | < 0.61 | 0.61 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| 1,1-Dichloroethene | < 0.59 | 0.59 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| 1,2,4-Trichlorobenzene | < 1.1 | 1.1 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| 1,2,4-Trimethylbenzene | < 0.74 | 0.74 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| 1,2-Dibromoethane | < 1.2 | 1.2 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| 1,2-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| 1,2-Dichloroethane | < 0.61 | 0.61 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| 1,2-Dichloropropane | < 0.69 | 0.69 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| 1,3,5-Trimethylbenzene | < 0.74 | 0.74 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| 1,3-butadiene | < 0.33 | 0.33 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| 1,3-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| 1,4-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| 1,4-Dioxane | < 1.1 | 1.1 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| 2,2,4-trimethylpentane | < 0.70 | 0.70 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| 4-ethyltoluene | < 0.74 | 0.74 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| Acetone - | 7.6 J | 1.4 | | ug/m3 | 2 | 10/30/2017 11:25:00 PM |
| Allyl chloride | < 0.47 | 0.47 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| Benzene | < 0.48 | 0.48 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| Benzyl chloride | < 0.86 | 0.86 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| Bromodichloromethane | < 1.0 | 1.0 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| Bromoform | < 1.6 | 1.6 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| Bromomethane | < 0.58 | 0.58 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| Carbon disulfide | < 0.47 | 0.47 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| Carbon tetrachloride - | 0.44 J | 0.25 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| Chlorobenzene | < 0.69 | 0.69 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| Chloroethane | < 0.40 | 0.40 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| Chloroform | < 0.73 | 0.73 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| Chloromethane - | 0.81 J | 0.31 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| cis-1,2-Dichloroethene | < 0.69 | 0.69 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| cis-1,3-Dichloropropane | < 0.68 | 0.68 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| Cyclohexane | < 0.52 | 0.52 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| Dibromochloromethane | < 1.3 | 1.3 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| Ethyl acetate | < 0.54 | 0.54 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| Ethylbenzene | < 0.65 | 0.65 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| Freon 11 - | 1.2 J | 0.84 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| Freon 113 | < 1.1 | 1.1 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| Freon 114 | < 1.0 | 1.0 | | ug/m3 | 1 | 10/30/2017 2:48:00 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

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Centek Laboratories, LLC

Date: 20-Nov-17

CLIENT: LaBella Associates, P.C.
 Lab Order: C1710061
 Project: 300 Commerce Dr
 Lab ID: C1710061-003A

Client Sample ID: 2017_10_24_Outdoor
 Tag Number: 484.267
 Collection Date: 10/24/2017
 Matrix: AIR

| Analyses | Result | **Limit | Qual | Units | DF | Date Analyzed |
|-------------------------------|-------------|---------|------|-------|----|-----------------------|
| 1UG/M3 W/ 0.25UG/M3 CT-TCE-VC | | TO-15 | | | | Analyst: RJP |
| Freon 12.- | 2.2 J | 0.74 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| Heptane | < 0.61 | 0.61 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| Hexachloro-1,3-butadiene | < 1.6 } UJ | 1.6 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| Hexane | < 0.43 | 0.53 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| Isopropyl alcohol - | 1.3 J | 0.37 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| m&p-Xylene - | 1.0 J | 1.3 J | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| Methyl Butyl Ketone | < 1.2 } UJ | 1.2 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| Methyl Ethyl Ketone - | 0.97 J | 0.88 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| Methyl Isobutyl Ketone - | 0.45 J | 1.2 J | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| Methyl tert-butyl ether | < 0.64 } UJ | 0.54 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| Methylene chloride - | 0.90 J | 0.52 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| o-Xylene - | 0.43 J | 0.65 J | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| Propylene | < 0.26 | 0.26 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| Styrene | < 0.54 } UJ | 0.64 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| Tetrachloroethylene | < 1.0 | 1.0 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| Tetrahydrofuran | < 0.44 | 0.44 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| Toluene - | 2.9 J | 0.57 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| trans-1,2-Dichloroethene | < 0.69 | 0.59 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| trans-1,3-Dichloropropene | < 0.68 | 0.68 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| Trichloroethene | < 0.21 } UJ | 0.21 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| Vinyl acetate | < 0.53 | 0.53 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| Vinyl Bromide | < 0.66 | 0.66 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| Vinyl chloride | < 0.10 | 0.10 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |

11/4/17

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

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Centek Laboratories, LLC

Date: 20-Nov-17

CLIENT: LaBella Associates, P.C.
 Lab Order: C1710061
 Project: 300 Commerce Dr
 Lab ID: C1710061-004A

Client Sample ID: 2017_10_24_EX1
 Tag Number: 362.281
 Collection Date: 10/24/2017
 Matrix: AIR

| Analyses | Result | **Limit | Qual | Units | DF | Date Analyzed |
|-------------------------------|--------|---------|------|--------------|----|-----------------------|
| 1UG/M3 W/ 0.25UG/M3 CT-TCE-VC | | TO-15 | | Analyst: RJP | | |
| 1,1,1-Trichloroethane - | 0.76 J | 0.82 | J | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| 1,1,2,2-Tetrachloroethane | < 1.0 | 1.0 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| 1,1,2-Trichloroethane | < 0.82 | 0.82 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| 1,1-Dichloroethane | < 0.61 | 0.61 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| 1,1-Dichloroethene | < 0.59 | 0.59 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| 1,2,4-Trichlorobenzene | < 1.1 | 1.1 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| 1,2,4-Trimethylbenzene - | 28 J | 7.4 | | ug/m3 | 10 | 10/31/2017 1:16:00 AM |
| 1,2-Dibromoethane | < 1.2 | 1.2 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| 1,2-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| 1,2-Dichloroethane | < 0.61 | 0.61 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| 1,2-Dichloropropane | < 0.69 | 0.69 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| 1,3,5-Trimethylbenzene - | 10 J | 0.74 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| 1,3,5-Trimethylbenzene | 7.9 | 7.4 | | ug/m3 | 10 | 10/31/2017 1:16:00 AM |
| 1,3-butadiene | < 0.33 | 0.33 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| 1,3-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| 1,4-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| 1,4-Dioxane | < 1.1 | 1.1 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| 2,2,4-trimethylpentane - | 28 J | 7.0 | | ug/m3 | 10 | 10/31/2017 1:16:00 AM |
| 4-ethyltoluene - | 9.3 J | 7.4 | | ug/m3 | 10 | 10/31/2017 1:16:00 AM |
| Acetone - | 260 J | 64 | | ug/m3 | 90 | 10/31/2017 8:24:00 AM |
| Allyl chloride | < 0.47 | 0.47 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| Benzene - | 30 J | 4.8 | | ug/m3 | 10 | 10/31/2017 1:16:00 AM |
| Benzyl chloride | < 0.86 | 0.86 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| Bromodichloromethane | < 1.0 | 1.0 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| Bromoform | < 1.6 | 1.6 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| Bromomethane | < 0.58 | 0.58 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| Carbon disulfide - | 5.1 J | 0.47 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| Carbon tetrachloride - | 0.50 J | 0.25 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| Chlorobenzene | < 0.69 | 0.69 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| Chloroethane | < 0.40 | 0.40 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| Chloroform - | 0.63 J | 0.73 | J | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| Chloromethane - | 0.89 J | 0.31 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| cis-1,2-Dichloroethene - | 17 J | 5.9 | | ug/m3 | 10 | 10/31/2017 1:16:00 AM |
| cis-1,3-Dichloropropene | < 0.68 | 0.68 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| Cyclohexane - | 7.2 J | 0.52 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| Dibromochloromethane | < 1.3 | 1.3 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| Ethyl acetate | < 0.54 | 0.54 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| Ethylbenzene - | 43 J | 6.5 | | ug/m3 | 10 | 10/31/2017 1:16:00 AM |
| Freon 11 - | 1.6 J | 0.84 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| Freon 113 | < 1.1 | 1.1 | | ug/m3 | 1 | 10/30/2017 6:19:00 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

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Centek Laboratories, LLC

Date: 20-Nov-17

CLIENT: LaBella Associates, P.C.
 Lab Order: C1710061
 Project: 300 Commerce Dr
 Lab ID: C1710061-004A

Client Sample ID: 2017_10_24_EX1
 Tag Number: 362.281
 Collection Date: 10/24/2017
 Matrix: AIR

| Analyses | Result | **Limit | Qual | Units | DF | Date Analyzed |
|-------------------------------|----------|---------|-------|-------|----|-----------------------|
| 1UG/M3 W/ 0.25UG/M3 CT-TCE-VC | | | TO-15 | | | Analyst: RJP |
| Freon 114 | < 4.0 J | 1.0 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| Freon 12 | 3.0 J | 0.74 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| Heptane | 25 J | 6.1 | | ug/m3 | 10 | 10/31/2017 1:16:00 AM |
| Hexachloro-1,3-butadiene | < 1.6 J | 1.6 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| Hexane | 12 J | 5.3 | | ug/m3 | 10 | 10/31/2017 1:16:00 AM |
| Isopropyl alcohol | 450 J | 34 | | ug/m3 | 90 | 10/31/2017 8:24:00 AM |
| m&p-Xylene | 170 J | 13 | | ug/m3 | 10 | 10/31/2017 1:16:00 AM |
| Methyl Butyl Ketone | < 1.2 J | 1.2 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| Methyl Ethyl Ketone | 37 J | 8.8 | | ug/m3 | 10 | 10/31/2017 1:16:00 AM |
| Methyl isobutyl Ketone | 5.8 J | 1.2 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| Methyl tert-butyl ether | < 0.54 J | 0.54 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| Methylene chloride | 1.7 J | 0.52 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| o-Xylene | 50 J | 6.5 | | ug/m3 | 10 | 10/31/2017 1:16:00 AM |
| Propylene | < 0.26 J | 0.26 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| Styrene | < 0.64 J | 0.64 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| Tetrachloroethylene | 3.7 J | 1.0 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| Tetrahydrofuran | 22 J | 4.4 | | ug/m3 | 10 | 10/31/2017 1:16:00 AM |
| Toluene | 270 J | 53 | | ug/m3 | 90 | 10/31/2017 8:24:00 AM |
| trans-1,2-Dichloroethene | < 0.59 J | 0.59 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| trans-1,3-Dichloropropene | < 0.66 J | 0.66 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| Trichloroethene | 13 J | 2.1 | | ug/m3 | 10 | 10/31/2017 1:16:00 AM |
| Vinyl acetate | < 0.53 J | 0.53 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| Vinyl Bromide | < 0.66 J | 0.66 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| Vinyl chloride | < 0.10 J | 0.10 | | ug/m3 | 1 | 10/30/2017 6:19:00 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

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Centek Laboratories, LLC

Date: 20-Nov-17

CLIENT: LaBella Associates, P.C.
 Lab Order: C1710061
 Project: 300 Commerce Dr
 Lab ID: C1710061-005A

Client Sample ID: 2017_10_24_EX2
 Tag Number: 96.297
 Collection Date: 10/24/2017
 Matrix: AIR

| Analyses | Result | **Limit | Qual | Units | DF | Date Analyzed |
|-------------------------------|--------|---------|------|-------|-----|-----------------------|
| 1UG/M3 W/ 0.25UG/M3 CT-TCE-VC | | TO-15 | | | | Analyst: RJP |
| 1,1,1-Trichloroethane | < 0.82 | 0.82 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| 1,1,2,2-Tetrachloroethane | < 1.0 | 1.0 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| 1,1,2-Trichloroethane | < 0.82 | 0.82 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| 1,1-Dichloroethane | < 0.61 | 0.61 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| 1,1-Dichloroethene | < 0.59 | 0.59 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| 1,2,4-Trichlorobenzene | < 1.1 | 1.1 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| 1,2,4-Trimethylbenzene - | 32 J | 7.4 | | ug/m3 | 10 | 10/31/2017 2:29:00 AM |
| 1,2-Dibromoethane | < 1.2 | 1.2 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| 1,2-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| 1,2-Dichloroethane | < 0.61 | 0.61 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| 1,2-Dichloropropane | < 0.69 | 0.69 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| 1,3,5-Trimethylbenzene - | 8.4 J | 7.4 | | ug/m3 | 10 | 10/31/2017 2:29:00 AM |
| 1,3-butadiene | < 0.33 | 0.33 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| 1,3-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| 1,4-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| 1,4-Dioxane | < 1.1 | 1.1 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| 2,2,4-trimethylpentane - | 33 J | 7.0 | | ug/m3 | 10 | 10/31/2017 2:29:00 AM |
| 4-ethyltoluene - | 10 J | 7.4 | | ug/m3 | 10 | 10/31/2017 2:29:00 AM |
| Acetone - | 330 J | 190 | | ug/m3 | 270 | 10/31/2017 9:01:00 AM |
| Allyl chloride | < 0.47 | 0.47 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| Benzene - | 32 J | 4.8 | | ug/m3 | 10 | 10/31/2017 2:29:00 AM |
| Benzyl chloride | < 0.86 | 0.86 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| Bromodichloromethane | < 1.0 | 1.0 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| Bromoform | < 1.6 | 1.6 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| Bromomethane | < 0.68 | 0.68 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| Carbon disulfide - | 5.9 J | 0.47 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| Carbon tetrachloride - | 0.50 J | 0.25 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| Chlorobenzene | < 0.69 | 0.69 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| Chloroethane - | 0.37 J | 0.40 | J | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| Chloroform - | 0.68 J | 0.73 | J | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| Chloromethane | < 0.31 | 0.31 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| cis-1,2-Dichloroethene - | 3.2 J | 0.59 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| cis-1,3-Dichloropropene | < 0.68 | 0.68 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| Cyclohexane | 13 J | 5.2 | | ug/m3 | 10 | 10/31/2017 2:29:00 AM |
| Dibromochloromethane | < 1.3 | 1.3 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| Ethyl acetate - | 3.8 J | 0.54 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| Ethylbenzene - | 44 J | 6.5 | | ug/m3 | 10 | 10/31/2017 2:29:00 AM |
| Freon 11 - | 1.8 J | 0.84 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| Freon 113 | < 1.1 | 1.1 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| Freon 114 | < 1.0 | 1.0 | | ug/m3 | 1 | 10/30/2017 6:59:00 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

Page 9 of 10

Centek Laboratories, LLC

Date: 20-Nov-17

CLIENT: LaBella Associates, P.C.
 Lab Order: C1710061
 Project: 300 Commerce Dr
 Lab ID: C1710061-005A

Client Sample ID: 2017_10_24_EX2
 Tag Number: 96.297
 Collection Date: 10/24/2017
 Matrix: AIR

| Analyses | Result | **Limit | Qual | Units | DF | Date Analyzed |
|-------------------------------|-----------|---------|-------|-------|-----|-----------------------|
| 1UG/M3 W/ 0.25UG/M3 CT-TCE-VC | | | TO-15 | | | Analyst: RJP |
| Freon 12 - | 3.1 J | 0.74 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| Heptane | 31 UJ | 5.1 | | ug/m3 | 10 | 10/31/2017 2:29:00 AM |
| Hexachloro-1,3-butadiene | < 1.6 UJ | 1.6 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| Hexane - | 14 J | 5.3 | | ug/m3 | 10 | 10/31/2017 2:29:00 AM |
| Isopropyl alcohol - | 1300 J | 98 | | ug/m3 | 270 | 10/31/2017 9:01:00 AM |
| m&p-Xylene - | 170 J | 13 | | ug/m3 | 10 | 10/31/2017 2:29:00 AM |
| Methyl Butyl Ketone | 4.2 UJ | 1.2 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| Methyl Ethyl Ketone - | 38 J | 8.8 | | ug/m3 | 10 | 10/31/2017 2:29:00 AM |
| Methyl Isobutyl Ketone - | 5.7 J | 1.2 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| Methyl tert-butyl ether | < 0.54 UJ | 0.54 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| Methylene chloride - | 1.1 J | 0.52 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| o-Xylene - | 54 J | 6.5 | | ug/m3 | 10 | 10/31/2017 2:29:00 AM |
| Propylene | < 0.26 UJ | 0.26 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| Styrene | < 0.64 UJ | 0.64 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| Tetrachloroethylene | < 4.0 J | 1.0 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| Tetrahydrofuran - | 24 J | 4.4 | | ug/m3 | 10 | 10/31/2017 2:29:00 AM |
| Toluene - | 260 J | 150 | | ug/m3 | 270 | 10/31/2017 9:01:00 AM |
| trans-1,2-Dichloroethene | < 0.59 UJ | 0.59 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| trans-1,3-Dichloropropene | < 0.68 UJ | 0.68 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| Trichloroethene - | 1.2 J | 0.21 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| Vinyl acetate | < 0.53 UJ | 0.53 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| Vinyl Bromide | < 0.66 UJ | 0.66 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| Vinyl chloride | < 0.48 UJ | 0.10 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |

7/45

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

Page 10 of 10

Date: 20-Nov-17



CENTEK LABORATORIES, LLC

QC SUMMARY REPORT SURROGATE RECOVERIES

CLIENT: LaBella Associates, P.C.

Work Order: C1710061

Project: 300 Commerce Dr

Test No: TO-15

Matrix: A

| Sample ID | BR4FBZ | | | | | | | |
|-------------------|--------|---|--|--|--|--|--|--|
| ALCS1UG-103017 | 101 | ✓ | | | | | | |
| ALCS1UGD-103017 | 103 | | | | | | | |
| AMB1UG-103017 | 92.0 | | | | | | | |
| C1710061-001A | 100 | | | | | | | |
| C1710061-002A | 99.0 | | | | | | | |
| C1710061-003A | 100 | | | | | | | |
| C1710061-003A MS | 103 | | | | | | | |
| C1710061-003A MSD | 103 | | | | | | | |
| C1710061-004A | 111 | | | | | | | |
| C1710061-005A | 108 | | | | | | | |

Acronym

BR4FBZ

Surrogate

= Bromofluorobenzene

QC Limits

70-130

* Surrogate recovery outside acceptance limits

Centek Laboratories, LLC

GC/MS QA-QC Check Report

Tune File : C:\HPCHEM\1\DATA2\AO103002.D

Tune Time : 30 Oct 2017 12:03 pm

Daily Calibration File : C:\HPCHEM\1\DATA2\AO103002.D

| | | | (BFB) | (IS1) | (IS2) | (IS3) |
|-------------------|--------------------|-----|----------------------|-----------------------------|--------|--------|
| CCV 300c+17 12:03 | | | 10.64 12.86 17.58 | 27378 | 126628 | 105664 |
| | | | | 16427 | 75977 | 63394 |
| File | Sample | DL | Surrogate Recovery % | Internal Standard Responses | | |
| AO103003.D | ALCS1UG-103017 | 101 | ✓ | 24027 | 109109 | 92655 |
| AO103004.D | AMB1UG-103017 | 92 | | 20826 | 98039 | 81274 |
| AO103005.D | C1710061-003A | 100 | 10.63 12.86 17.58 | 21360 | 95496 | 79322 |
| AO103006.D | C1710061-003A MS | 103 | | 22735 | 100638 | 87522 |
| AO103007.D | C1710061-003A MSD | 103 | | 21894 | 98555 | 85601 |
| AO103008.D | C1710061-001A | 100 | 10.64 12.86 17.58 | 20047 | 91961 | 79059 |
| AO103009.D | C1710061-002A | 99 | 10.64 12.85 17.58 | 20183 | 93298 | 78784 |
| AO103010.D | C1710061-004A | 111 | 10.63 12.85 17.58 | 21824 | 101063 | 95601 |
| AO103011.D | C1710061-005A | 108 | 10.64 12.86 17.58 | 21806 | 100213 | 95326 |
| AO103012.D | C1710061-003A 2x | 96 | 10.63 12.84 17.57 | 26624 | 113590 | 88937 |
| AO103013.D | C1710061-001A 5x | 95 | 10.62 12.95 17.58 | 19821 | 87418 | 70227 |
| AO103014.D | C1710061-002A 5x | 97 | 10.63 12.85 17.58 | 18362 | 85308 | 69254 |
| AO103015.D | C1710061-004A 10x | 98 | 10.63 12.85 17.58 | 18866 | 86880 | 73871 |
| AO103017.D | C1710061-005A 10x | 98 | 10.63 12.85 17.58 | 18259 | 83706 | 73328 |
| AO103019.D | ALCS1UGD-103017 | 103 | | 19392 | 86273 | 74810 |
| AO103020.D | C1710061-004A 90x | 92 | 10.62 12.84 17.57 | 23038 | 100057 | 80883 |
| AO103021.D | C1710061-005A 270x | 94 | 10.64 12.86 17.58 | 17693 | 82431 | 68228 |

c - fails 24hr time check * - fails criteria

Created: Mon Nov 20 08:49:04 2017 MSD #1/



CENTEK LABORATORIES, LLC

Date: 20-Nov-17

ANALYTICAL QC SUMMARY REPORT

CLIENT: LaBella Associates, P.C.

Work Order: C1710061

Project: 300 Commerce Dr

TestCode: 0.25CT-TCE-VC

| Sample ID: ALCS1UG-103017 | SampType: LCS | TestCode: 0.25CT-TCE- | Units: ppbV | Prep Date: | RunNo: 12887 | | | | | | |
|---------------------------|------------------|-----------------------|-------------|---------------------------|---------------|----------|-----------|-------------|------|----------|------|
| Client ID: ZZZZZ | Batch ID: R12887 | TestNo: TO-15 | | Analysis Date: 10/30/2017 | SeqNo: 149964 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| 1,1,1-Trichloroethane | 1.000 | 0.15 | 1 | 0 | 100 | 70 | 130 | | | | |
| 1,1,2,2-Tetrachloroethane | 0.9900 | 0.15 | 1 | 0 | 99.0 | 70 | 130 | | | | |
| 1,1,2-Trichloroethane | 0.9600 | 0.15 | 1 | 0 | 96.0 | 70 | 130 | | | | |
| 1,1-Dichloroethane | 1.040 | 0.15 | 1 | 0 | 104 | 70 | 130 | | | | |
| 1,1-Dichloroethene | 1.050 | 0.15 | 1 | 0 | 105 | 70 | 130 | | | | |
| 1,2,4-Trichlorobenzene | 0.9800 | 0.15 | 1 | 0 | 98.0 | 70 | 130 | | | | |
| 1,2,4-Trimethylbenzene | 1.130 | 0.15 | 1 | 0 | 113 | 70 | 130 | | | | |
| 1,2-Dibromoethane | 0.9900 | 0.15 | 1 | 0 | 99.0 | 70 | 130 | | | | |
| 1,2-Dichlorobenzene | 1.010 | 0.15 | 1 | 0 | 101 | 70 | 130 | | | | |
| 1,2-Dichloroethane | 0.9800 | 0.15 | 1 | 0 | 98.0 | 70 | 130 | | | | |
| 1,2-Dichloropropane | 0.9900 | 0.15 | 1 | 0 | 99.0 | 70 | 130 | | | | |
| 1,3,5-Trimethylbenzene | 1.100 | 0.15 | 1 | 0 | 110 | 70 | 130 | | | | |
| 1,3-butadiene | 1.220 | 0.15 | 1 | 0 | 122 | 70 | 130 | | | | |
| 1,3-Dichlorobenzene | 0.9900 | 0.15 | 1 | 0 | 99.0 | 70 | 130 | | | | |
| 1,4-Dichlorobenzene | 1.010 | 0.15 | 1 | 0 | 101 | 70 | 130 | | | | |
| 1,4-Dioxane | 1.230 | 0.30 | 1 | 0 | 123 | 70 | 130 | | | | |
| 2,2,4-trimethylpentane | 1.000 | 0.15 | 1 | 0 | 100 | 70 | 130 | | | | |
| 4-ethyltoluene | 1.100 | 0.15 | 1 | 0 | 110 | 70 | 130 | | | | |
| Acetone | 0.9700 | 0.30 | 1 | 0 | 97.0 | 70 | 130 | | | | |
| Allyl chloride | 0.9700 | 0.15 | 1 | 0 | 97.0 | 70 | 130 | | | | |
| Benzene | 0.9700 | 0.15 | 1 | 0 | 97.0 | 70 | 130 | | | | |
| Benzyl chloride | 0.9200 | 0.15 | 1 | 0 | 92.0 | 70 | 130 | | | | |
| Bromodichloromethane | 0.9800 | 0.15 | 1 | 0 | 98.0 | 70 | 130 | | | | |
| Bromoform | 0.9900 | 0.15 | 1 | 0 | 99.0 | 70 | 130 | | | | |
| Bromomethane | 0.9500 | 0.15 | 1 | 0 | 95.0 | 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: C1710061
 Project: 300 Commerce Dr

TestCode: 0.25CT-TCE-VC

| Sample ID: ALCS1UG-103017 | | SampType: LCS | TestCode: 0.25CT-TCE- Units: ppbV | | | Prep Date: | | RunNo: 12887 | | | |
|---------------------------|--------|------------------|-----------------------------------|-------------|--------|---------------------------|-----------|---------------|------|----------|------|
| Client ID: ZZZZZ | | Batch ID: R12887 | TestNo: TO-15 | | | Analysis Date: 10/30/2017 | | SeqNo: 149964 | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Carbon disulfide | 0.9700 | 0.15 | 1 | 0 | 97.0 ✓ | 70 | 130 | | | | |
| Carbon tetrachloride | 0.9700 | 0.040 | 1 | 0 | 97.0 | 70 | 130 | | | | |
| Chlorobenzene | 0.9900 | 0.15 | 1 | 0 | 99.0 | 70 | 130 | | | | |
| Chloroethane | 0.9400 | 0.15 | 1 | 0 | 94.0 | 70 | 130 | | | | |
| Chloroform | 1.010 | 0.15 | 1 | 0 | 101 | 70 | 130 | | | | |
| Chloromethane | 0.9600 | 0.15 | 1 | 0 | 96.0 | 70 | 130 | | | | |
| cis-1,2-Dichloroethene | 0.9600 | 0.15 | 1 | 0 | 96.0 | 70 | 130 | | | | |
| cis-1,3-Dichloropropene | 0.9200 | 0.15 | 1 | 0 | 92.0 | 70 | 130 | | | | |
| Cyclohexane | 1.010 | 0.15 | 1 | 0 | 101 | 70 | 130 | | | | |
| Dibromochloromethane | 1.000 | 0.15 | 1 | 0 | 100 | 70 | 130 | | | | |
| Ethyl acetate | 0.9900 | 0.15 | 1 | 0 | 99.0 | 70 | 130 | | | | |
| Ethylbenzene | 0.9700 | 0.15 | 1 | 0 | 97.0 | 70 | 130 | | | | |
| Freon 11 | 0.9500 | 0.15 | 1 | 0 | 95.0 | 70 | 130 | | | | |
| Freon 113 | 1.070 | 0.15 | 1 | 0 | 107 | 70 | 130 | | | | |
| Freon 114 | 0.9500 | 0.15 | 1 | 0 | 95.0 | 70 | 130 | | | | |
| Freon 12 | 0.9700 | 0.15 | 1 | 0 | 97.0 | 70 | 130 | | | | |
| Heptane | 0.9500 | 0.15 | 1 | 0 | 95.0 | 70 | 130 | | | | |
| Hexachloro-1,3-butadiene | 0.9600 | 0.15 | 1 | 0 | 96.0 | 70 | 130 | | | | |
| Hexane | 1.030 | 0.15 | 1 | 0 | 103 | 70 | 130 | | | | |
| Isopropyl alcohol | 0.9200 | 0.15 | 1 | 0 | 92.0 | 70 | 130 | | | | |
| m&p-Xylene | 2.030 | 0.30 | 2 | 0 | 102 | 70 | 130 | | | | |
| Methyl Butyl Ketone | 1.340 | 0.30 | 1 | 0 | 134 | 65 70 | 135 | | | | |
| Methyl Ethyl Ketone | 1.000 | 0.30 | 1 | 0 | 100 | 70 | 130 | | | | |
| Methyl isobutyl Ketone | 1.120 | 0.30 | 1 | 0 | 112 | 70 | 130 | | | | |
| Methyl tert-butyl ether | 1.040 | 0.15 | 1 | 0 | 104 | 70 | 130 | | | | |
| Methylene chloride | 0.9900 | 0.15 | 1 | 0 | 99.0 | 70 | 130 | | | | |
| o-Xylene | 1.000 | 0.15 | 1 | 0 | 100 | 70 | 130 | | | | |
| Propylene | 1.060 | 0.15 | 1 | 0 | 106 | 70 | 130 | | | | |
| Styrene | 1.060 | 0.15 | 1 | 0 | 106 | 70 | 130 | | | | |
| Tetrachloroethylene | 0.9900 | 0.15 | 1 | 0 | 99.0 | 70 | 130 | | | | |
| Tetrahydrofuran | 0.9900 | 0.15 | 1 | 0 | 99.0 | 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: C1710061

Project: 300 Commerce Dr

TestCode: 0.25CT-TCE-VC

| | | | | | | | | | | | |
|---------------------------|------------------|-----------------------|-------------|---------------------------|---------------|----------|-----------|-------------|------|----------|------|
| Sample ID: ALCS1UG-103017 | SampType: LCS | TestCode: 0.25CT-TCE- | Units: ppbV | Prep Date: | RunNo: 12887 | | | | | | |
| Client ID: ZZZZZ | Batch ID: R12887 | TestNo: TO-15 | | Analysis Date: 10/30/2017 | SeqNo: 149964 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Toluene | 0.9900 | 0.15 | 1 | 0 | 99.0 | 70 | 130 | | | | |
| trans-1,2-Dichloroethene | 0.9500 | 0.15 | 1 | 0 | 95.0 | 70 | 130 | | | | |
| trans-1,3-Dichloropropene | 0.8400 | 0.15 | 1 | 0 | 84.0 | 70 | 130 | | | | |
| Trichloroethene | 0.9300 | 0.040 | 1 | 0 | 93.0 | 70 | 130 | | | | |
| Vinyl acetate | 0.9500 | 0.15 | 1 | 0 | 95.0 | 70 | 130 | | | | |
| Vinyl Bromide | 0.9100 | 0.15 | 1 | 0 | 91.0 | 70 | 130 | | | | |
| Vinyl chloride | 0.9200 | 0.040 | 1 | 0 | 92.0 | 70 | 130 | | | | |

| Sample ID: ALCS1UGD-103017 | SampType: LCSD | TestCode: 0.25CT-TCE- | Units: ppbV | Prep Date: | RunNo: 12887 | | | | | | |
|----------------------------|------------------|-----------------------|-------------|---------------------------|---------------|----------|-----------|-------------|-------|----------|------|
| Client ID: ZZZZZ | Batch ID: R12887 | TestNo: TO-15 | | Analysis Date: 10/31/2017 | SeqNo: 149965 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| 1,1,1-Trichloroethane | 1.060 | 0.15 | 1 | 0 | 106 | 70 | 130 | 1 | 5.83 | 30 | |
| 1,1,2,2-Tetrachloroethane | 1.060 | 0.15 | 1 | 0 | 106 | 70 | 130 | 0.99 | 6.83 | 30 | |
| 1,1,2-Trichloroethane | 1.040 | 0.15 | 1 | 0 | 104 | 70 | 130 | 0.96 | 8.00 | 30 | |
| 1,1-Dichloroethane | 0.9900 | 0.15 | 1 | 0 | 99.0 | 70 | 130 | 1.04 | 4.93 | 30 | |
| 1,1-Dichloroethene | 1.050 | 0.15 | 1 | 0 | 105 | 70 | 130 | 1.05 | 0 | 30 | |
| 1,2,4-Trichlorobenzene | 1.000 | 0.15 | 1 | 0 | 100 | 70 | 130 | 0.98 | 2.02 | 30 | |
| 1,2,4-Trimethylbenzene | 0.9500 | 0.15 | 1 | 0 | 95.0 | 70 | 130 | 1.13 | 17.3 | 30 | |
| 1,2-Dibromoethane | 1.010 | 0.15 | 1 | 0 | 101 | 70 | 130 | 0.99 | 2.00 | 30 | |
| 1,2-Dichlorobenzene | 1.090 | 0.15 | 1 | 0 | 109 | 70 | 130 | 1.01 | 7.62 | 30 | |
| 1,2-Dichloroethane | 0.9800 | 0.15 | 1 | 0 | 98.0 | 70 | 130 | 0.98 | 0 | 30 | |
| 1,2-Dichloropropane | 1.000 | 0.15 | 1 | 0 | 100 | 70 | 130 | 0.99 | 1.01 | 30 | |
| 1,3,5-Trimethylbenzene | 1.040 | 0.15 | 1 | 0 | 104 | 70 | 130 | 1.1 | 5.61 | 30 | |
| 1,3-butadiene | 1.030 | 0.15 | 1 | 0 | 103 | 70 | 130 | 1.22 | 16.9 | 30 | |
| 1,3-Dichlorobenzene | 1.060 | 0.15 | 1 | 0 | 106 | 70 | 130 | 0.99 | 6.83 | 30 | |
| 1,4-Dichlorobenzene | 1.080 | 0.15 | 1 | 0 | 108 | 70 | 130 | 1.01 | 6.70 | 30 | |
| 1,4-Dioxane | 1.290 | 0.30 | 1 | 0 | 129 | 70 | 130 | 1.23 | 4.76 | 30 | |
| 2,2,4-Trimethylpentane | 1.010 | 0.15 | 1 | 0 | 101 | 70 | 130 | 1 | 0.995 | 30 | |
| 4-ethyltoluene | 1.000 | 0.15 | 1 | 0 | 100 | 70 | 130 | 1.1 | 9.52 | 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: C1710061

Project: 300 Commerce Dr

TestCode: 0.25CT-TCE-VC

| | | | | | | | | | | | |
|----------------------------|--------|------------------|-----------------------|-------------|-------------|---------------------------|-----------|-------------|---------------|----------|------|
| Sample ID: ALCS1UGD-103017 | | SampType: LCSD | TestCode: 0.25CT-TCE- | | Units: ppbV | Prep Date: | | | RunNo: 12887 | | |
| Client ID: ZZZZZ | | Batch ID: R12887 | TestNo: TO-15 | | | Analysis Date: 10/31/2017 | | | SeqNo: 149965 | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Acetone | 0.9700 | 0.30 | 1 | 0 | 97.0 | 70 | 130 | 0.97 | 0 | 30 | |
| Allyl chloride | 0.9000 | 0.15 | 1 | 0 | 90.0 | 70 | 130 | 0.97 | 7.49 | 30 | |
| Benzene | 0.9900 | 0.15 | 1 | 0 | 99.0 | 70 | 130 | 0.97 | 2.04 | 30 | |
| Benzyl chloride | 1.090 | 0.15 | 1 | 0 | 109 | 70 | 130 | 0.92 | 16.9 | 30 | |
| Bromodichloromethane | 1.030 | 0.15 | 1 | 0 | 103 | 70 | 130 | 0.98 | 4.98 | 30 | |
| Bromoform | 1.030 | 0.15 | 1 | 0 | 103 | 70 | 130 | 0.99 | 3.96 | 30 | |
| Bromomethane | 1.000 | 0.15 | 1 | 0 | 100 | 70 | 130 | 0.95 | 5.13 | 30 | |
| Carbon disulfide | 0.9200 | 0.15 | 1 | 0 | 92.0 | 70 | 130 | 0.97 | 5.29 | 30 | |
| Carbon tetrachloride | 1.020 | 0.040 | 1 | 0 | 102 | 70 | 130 | 0.97 | 5.03 | 30 | |
| Chlorobenzene | 1.020 | 0.15 | 1 | 0 | 102 | 70 | 130 | 0.99 | 2.99 | 30 | |
| Chloroethane | 0.9700 | 0.15 | 1 | 0 | 97.0 | 70 | 130 | 0.94 | 3.14 | 30 | |
| Chloroform | 1.020 | 0.15 | 1 | 0 | 102 | 70 | 130 | 1.01 | 0.985 | 30 | |
| Chloromethane | 1.060 | 0.15 | 1 | 0 | 106 | 70 | 130 | 0.96 | 9.90 | 30 | |
| cis-1,2-Dichloroethene | 0.9600 | 0.15 | 1 | 0 | 96.0 | 70 | 130 | 0.96 | 0 | 30 | |
| cis-1,3-Dichloropropene | 0.9900 | 0.15 | 1 | 0 | 99.0 | 70 | 130 | 0.92 | 7.33 | 30 | |
| Cyclohexane | 1.000 | 0.15 | 1 | 0 | 100 | 70 | 130 | 1.01 | 0.995 | 30 | |
| Dibromochloromethane | 1.050 | 0.15 | 1 | 0 | 105 | 70 | 130 | 1 | 4.88 | 30 | |
| Ethyl acetate | 0.9300 | 0.15 | 1 | 0 | 93.0 | 70 | 130 | 0.99 | 6.25 | 30 | |
| Ethylbenzene | 0.9700 | 0.15 | 1 | 0 | 97.0 | 70 | 130 | 0.97 | 0 | 30 | |
| Freon 11 | 1.060 | 0.15 | 1 | 0 | 106 | 70 | 130 | 0.95 | 10.9 | 30 | |
| Freon 113 | 1.080 | 0.15 | 1 | 0 | 108 | 70 | 130 | 1.07 | 0.930 | 30 | |
| Freon 114 | 1.050 | 0.15 | 1 | 0 | 105 | 70 | 130 | 0.95 | 10.0 | 30 | |
| Freon 12 | 1.030 | 0.15 | 1 | 0 | 103 | 70 | 130 | 0.97 | 6.00 | 30 | |
| Heptane | 0.9400 | 0.15 | 1 | 0 | 94.0 | 70 | 130 | 0.95 | 1.06 | 30 | |
| Hexachloro-1,3-butadiene | 1.030 | 0.15 | 1 | 0 | 103 | 70 | 130 | 0.96 | 7.04 | 30 | |
| Hexane | 0.9900 | 0.15 | 1 | 0 | 99.0 | 70 | 130 | 1.03 | 3.96 | 30 | |
| Isopropyl alcohol | 0.9700 | 0.15 | 1 | 0 | 97.0 | 70 | 130 | 0.92 | 5.29 | 30 | |
| m&p-Xylene | 1.960 | 0.30 | 2 | 0 | 98.0 | 70 | 130 | 2.03 | 3.51 | 30 | |
| Methyl Butyl Ketone | 1.670 | 0.30 | 1 | 0 | 167 | 70 | 130 | 1.34 | 21.9 | 30 | S |
| Methyl Ethyl Ketone | 0.9900 | 0.30 | 1 | 0 | 99.0 | 70 | 130 | 1 | 1.01 | 30 | |
| Methyl Isobutyl Ketone | 1.230 | 0.30 | 1 | 0 | 123 | 70 | 130 | 1.12 | 9.36 | 30 | |

Qualifiers:

1 Results reported are not blank corrected

1 Analyte detected below quantitation limit

5 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: C1710061

Project: 300 Commerce Dr

TestCode: 0.25CT-TCE-VC

| Sample ID: ALCS1UGD-103017 | SampType: LCSD | TestCode: 0.25CT-TCE- | Units: ppbV | Prep Date: | RunNo: 12887 | | | | | | |
|----------------------------|------------------|-----------------------|-------------|---------------------------|---------------|----------|-----------|-------------|------|----------|------|
| Client ID: ZZZZZ | Batch ID: R12887 | TestNo: TO-15 | | Analysis Date: 10/31/2017 | SeqNo: 149965 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Methyl tert-butyl ether | 1.020 | 0.15 | 1 | 0 | 102 ✓ | 70 | 130 | 1.04 | 1.94 | 30 | |
| Methylene chloride | 0.9500 | 0.15 | 1 | 0 | 95.0 | 70 | 130 | 0.99 | 4.12 | 30 | |
| o-Xylene | 1.050 | 0.15 | 1 | 0 | 105 | 70 | 130 | 1 | 4.88 | 30 | |
| Propylene | 0.9700 | 0.15 | 1 | 0 | 97.0 | 70 | 130 | 1.06 | 8.87 | 30 | |
| Styrene | 0.9600 | 0.15 | 1 | 0 | 96.0 | 70 | 130 | 1.06 | 9.90 | 30 | |
| Tetrachloroethylene | 1.040 | 0.15 | 1 | 0 | 104 | 70 | 130 | 0.99 | 4.93 | 30 | |
| Tetrahydrofuran | 0.9500 | 0.15 | 1 | 0 | 95.0 | 70 | 130 | 0.99 | 4.12 | 30 | |
| Toluene | 0.9900 | 0.15 | 1 | 0 | 99.0 | 70 | 130 | 0.99 | 0 | 30 | |
| trans-1,2-Dichloroethene | 0.9600 | 0.15 | 1 | 0 | 96.0 | 70 | 130 | 0.95 | 1.05 | 30 | |
| trans-1,3-Dichloropropene | 0.9300 | 0.15 | 1 | 0 | 93.0 | 70 | 130 | 0.84 | 10.2 | 30 | |
| Trichloroethene | 0.9800 | 0.040 | 1 | 0 | 98.0 | 70 | 130 | 0.93 | 5.24 | 30 | |
| Vinyl acetate | 0.9100 | 0.15 | 1 | 0 | 91.0 | 70 | 130 | 0.95 | 4.30 | 30 | |
| Vinyl Bromide | 0.9900 | 0.15 | 1 | 0 | 99.0 | 70 | 130 | 0.91 | 8.42 | 30 | |
| Vinyl chloride | 0.9900 | 0.040 | 1 | 0 | 99.0 | 70 | 130 | 0.92 | 7.33 | 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



CEN TEK LABORATORIES, LLC

Date: 20-Nov-17

ANALYTICAL QC SUMMARY REPORT

CLIENT: LaBella Associates, P.C.

Work Order: C1710061

Project: 300 Commerce Dr

TestCode: 0.25CT-TCE-VC

| | | | | | | | | | | | |
|---------------------------|------------------|-----------------------|-------------|---------------------------|---------------|----------|-----------|-------------|------|----------|------|
| Sample ID: AMB1UG-103017 | SampType: MBLK | TestCode: 0.25CT-TCE- | Units: ppbV | Prep Date: | RunNo: 12887 | | | | | | |
| Client ID: ZZZZZ | Batch ID: R12887 | TestNo: TO-15 | | Analysis Date: 10/30/2017 | SeqNo: 149963 | | | | | | |
| 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 | < 0.15 | 0.15 | | | | | | | | | |
| 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

CLIENT: LaBella Associates, P.C.
 Work Order: C1710061
 Project: 300 Commerce Dr

TestCode: 0.25CT-TCE-VC

| | | | | | | | | | | | |
|--------------------------|------------------|-----------------------|-------------|---------------------------|---------------|----------|-----------|-------------|------|----------|------|
| Sample ID: AMB1UG-103017 | SampType: MBLK | TestCode: 0.25CT-TCE- | Units: ppbV | Prep Date: | RunNo: 12887 | | | | | | |
| Client ID: ZZZZZ | Batch ID: R12887 | TestNo: TO-15 | | Analysis Date: 10/30/2017 | SeqNo: 149953 | | | | | | |
| 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 | < 0.040 | 0.040 | | | | | | | | | |
| Chlorobenzene | < 0.15 | 0.15 | | | | | | | | | |
| Chloroethane | < 0.15 | 0.15 | | | | | | | | | |
| Chloroform | < 0.15 | 0.15 | | | | | | | | | |
| Chloromethane | < 0.15 | 0.15 | | | | | | | | | |
| cis-1,2-Dichloroethene | < 0.15 | 0.15 | | | | | | | | | |
| 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: C1710061

Project: 300 Commerce Dr

TestCode: 0.25CT-TCE-VC

| | | | | | | | | | | | |
|---------------------------|------------------|-----------------------|-------------|---------------------------|---------------|----------|-----------|-------------|------|----------|------|
| Sample ID: AMB1UG-103017 | SampType: MBLK | TestCode: 0.25CT-TCE- | Units: ppbV | Prep Date: | RunNo: 12887 | | | | | | |
| Client ID: ZZZZZ | Batch ID: R12887 | TestNo: TO-15 | | Analysis Date: 10/30/2017 | SeqNo: 149963 | | | | | | |
| 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 | < 0.040 | 0.040 | | | | | | | | | |
| 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: 20-Nov-17

ANALYTICAL QC SUMMARY REPORT

CLIENT: LaBella Associates, P.C.

Work Order: C1710061

Project: 300 Commerce Dr

TestCode: 0.25CT-TCE-VC

| Sample ID: C1710061-003A MS | SampType: MS | TestCode: 0.25CT-TCE- | Units: ppbV | Prep Date: | RunNo: 12887 | | | | | | |
|------------------------------|------------------|-----------------------|-------------|---------------------------|---------------|----------|-----------|-------------|------|----------|------|
| Client ID: 2017_10_24_Outdoo | Batch ID: R12887 | TestNo: TO-15 | | Analysis Date: 10/30/2017 | SeqNo: 149971 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| 1,1,1-Trichloroethane | 0.9800 | 0.15 | 1 | 0 | 98.0 | 70 | 130 | | | | |
| 1,1,2,2-Tetrachloroethane | 0.9600 | 0.15 | 1 | 0 | 96.0 | 70 | 130 | | | | |
| 1,1,2-Trichloroethane | 0.9300 | 0.15 | 1 | 0 | 93.0 | 70 | 130 | | | | |
| 1,1-Dichloroethane | 0.9500 | 0.15 | 1 | 0 | 95.0 | 70 | 130 | | | | |
| 1,1-Dichloroethene | 0.9800 | 0.15 | 1 | 0 | 98.0 | 70 | 130 | | | | |
| 1,2,4-Trichlorobenzene | 1.310 | 0.15 | 1 | 0 | 131 | 70 | 130 | | | | S |
| 1,2,4-Trimethylbenzene | 1.490 | 0.15 | 1 | 0 | 149 | 70 | 130 | | | | S |
| 1,2-Dibromoethane | 0.9100 | 0.15 | 1 | 0 | 91.0 | 70 | 130 | | | | |
| 1,2-Dichlorobenzene | 0.9700 | 0.15 | 1 | 0 | 97.0 | 70 | 130 | | | | |
| 1,2-Dichloroethane | 0.9300 | 0.15 | 1 | 0 | 93.0 | 70 | 130 | | | | |
| 1,2-Dichloropropane | 0.9200 | 0.15 | 1 | 0 | 92.0 | 70 | 130 | | | | |
| 1,3,5-Trimethylbenzene | 1.040 | 0.15 | 1 | 0 | 104 | 70 | 130 | | | | |
| 1,3-butadiene | 1.350 | 0.15 | 1 | 0 | 135 | 70 | 130 | | | | S |
| 1,3-Dichlorobenzene | 1.000 | 0.15 | 1 | 0 | 100 | 70 | 130 | | | | |
| 1,4-Dichlorobenzene | 1.020 | 0.15 | 1 | 0 | 102 | 70 | 130 | | | | |
| 1,4-Dioxane | 1.080 | 0.30 | 1 | 0 | 108 | 70 | 130 | | | | |
| 2,2,4-trimethylpentane | 0.9700 | 0.15 | 1 | 0 | 97.0 | 70 | 130 | | | | |
| 4-ethyltoluene | 1.020 | 0.15 | 1 | 0 | 102 | 70 | 130 | | | | |
| Acetone | 5.310 | 0.30 | 1 | 4.4 | 91.0 | 70 | 130 | | | | |
| Allyl chloride | 0.9100 | 0.15 | 1 | 0 | 91.0 | 70 | 130 | | | | |
| Benzene | 1.000 | 0.15 | 1 | 0 | 100 | 70 | 130 | | | | |
| Benzyl chloride | 1.040 | 0.15 | 1 | 0 | 104 | 70 | 130 | | | | |
| Bromodichloromethane | 0.9400 | 0.15 | 1 | 0 | 94.0 | 70 | 130 | | | | |
| Bromoform | 0.9400 | 0.15 | 1 | 0 | 94.0 | 70 | 130 | | | | |
| Bromomethane | 0.9400 | 0.15 | 1 | 0 | 94.0 | 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: C1710061

Project: 300 Commerce Dr

TestCode: 0.25CT-TCE-VC

| Sample ID: C1710061-003A MS | SampType: MS | TestCode: 0.25CT-TCE- | Units: ppbV | Prep Date: | RunNo: 12887 | | | | | | |
|------------------------------|------------------|-----------------------|-------------|---------------------------|---------------|----------|-----------|-------------|------|----------|------|
| Client ID: 2017_10_24_Outdoo | Batch ID: R12887 | TestNo: TO-15 | | Analysis Date: 10/30/2017 | SeqNo: 149971 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Carbon disulfide | 0.9100 | 0.15 | 1 | 0 | 91.0 ✓ | 70 | 130 | | | | |
| Carbon tetrachloride | 1.010 | 0.040 | 1 | 0.07 | 94.0 | 70 | 130 | | | | |
| Chlorobenzene | 0.9200 | 0.15 | 1 | 0 | 92.0 | 70 | 130 | | | | |
| Chloroethane | 0.9400 | 0.15 | 1 | 0 | 94.0 | 70 | 130 | | | | |
| Chloroform | 0.9600 | 0.15 | 1 | 0 | 96.0 | 70 | 130 | | | | |
| Chloromethane | 1.290 | 0.15 | 1 | 0.39 | 90.0 | 70 | 130 | | | | |
| cis-1,2-Dichloroethene | 0.8800 | 0.15 | 1 | 0 | 88.0 | 70 | 130 | | | | |
| cis-1,3-Dichloropropene | 0.8800 | 0.15 | 1 | 0 | 88.0 | 70 | 130 | | | | |
| Cyclohexane | 0.9700 | 0.15 | 1 | 0 | 97.0 | 70 | 130 | | | | |
| Dibromochloromethane | 0.9400 | 0.15 | 1 | 0 | 94.0 | 70 | 130 | | | | |
| Ethyl acetate | 0.9200 | 0.15 | 1 | 0 | 92.0 | 70 | 130 | | | | |
| Ethylbenzene | 0.9400 | 0.15 | 1 | 0 | 94.0 | 70 | 130 | | | | |
| Freon 11 | 1.130 | 0.15 | 1 | 0.21 | 92.0 | 70 | 130 | | | | |
| Freon 113 | 1.080 | 0.15 | 1 | 0 | 108 | 70 | 130 | | | | |
| Freon 114 | 0.9600 | 0.15 | 1 | 0 | 96.0 | 70 | 130 | | | | |
| Freon 12 | 1.260 | 0.15 | 1 | 0.44 | 82.0 | 70 | 130 | | | | |
| Heptane | 1.000 | 0.15 | 1 | 0 | 100 | 70 | 130 | | | | |
| Hexachloro-1,3-butadiene | 1.080 | 0.15 | 1 | 0 | 108 | 70 | 130 | | | | |
| Hexane | 1.020 | 0.15 | 1 | 0 | 102 | 70 | 130 | | | | |
| Isopropyl alcohol | 1.310 | 0.15 | 1 | 0.54 | 77.0 | 70 | 130 | | | | |
| m&p-Xylene | 2.050 | 0.30 | 2 | 0.23 | 91.0 | 70 | 130 | | | | |
| Methyl Butyl Ketone | 1.280 | 0.30 | 1 | 0 | 128 | 70 | 130 | | | | |
| Methyl Ethyl Ketone | 1.210 | 0.30 | 1 | 0.33 | 88.0 | 70 | 130 | | | | |
| Methyl Isobutyl Ketone | 1.130 | 0.30 | 1 | 0.11 | 102 | 70 | 130 | | | | |
| Methyl tert-butyl ether | 0.9100 | 0.15 | 1 | 0 | 91.0 | 70 | 130 | | | | |
| Methylene chloride | 1.680 | 0.15 | 1 | 0.26 | 142 | 70 | 130 | | | | S |
| o-Xylene | 1.060 | 0.15 | 1 | 0.1 | 96.0 | 70 | 130 | | | | |
| Propylene | 1.280 | 0.15 | 1 | 0 | 128 | 70 | 130 | | | | |
| Styrene | 1.010 | 0.15 | 1 | 0 | 101 | 70 | 130 | | | | |
| Tetrachloroethylene | 0.9600 | 0.15 | 1 | 0 | 96.0 | 70 | 130 | | | | |
| Tetrahydrofuran | 0.9000 | 0.15 | 1 | 0 | 90.0 | 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: C1710061

Project: 300 Commerce Dr

TestCode: 0.25CT-TCE-VC

| | | | | | | | | | | | |
|------------------------------|------------------|-----------------------|-------------|---------------------------|---------------|----------|-----------|-------------|------|----------|------|
| Sample ID: C1710061-003A MS | SampType: MS | TestCode: 0.25CT-TCE- | Units: ppbV | Prep Date: | RunNo: 12887 | | | | | | |
| Client ID: 2017_10_24_Outdoo | Batch ID: R12887 | TestNo: TO-15 | | Analysis Date: 10/30/2017 | SeqNo: 149971 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Toluene | 1.610 | 0.15 | 1 | 0.77 | 84.0 | 70 | 130 | | | | |
| trans-1,2-Dichloroethene | 0.9100 | 0.15 | 1 | 0 | 91.0 | 70 | 130 | | | | |
| trans-1,3-Dichloropropene | 0.8200 | 0.15 | 1 | 0 | 82.0 | 70 | 130 | | | | |
| Trichloroethene | 0.9000 | 0.040 | 1 | 0 | 90.0 | 70 | 130 | | | | |
| Vinyl acetate | 0.8700 | 0.15 | 1 | 0 | 87.0 | 70 | 130 | | | | |
| Vinyl Bromide | 0.9200 | 0.15 | 1 | 0 | 92.0 | 70 | 130 | | | | |
| Vinyl chloride | 0.8900 | 0.040 | 1 | 0 | 89.0 | 70 | 130 | | | | |

| Sample ID: C1710061-003A MS | SampType: MSD | TestCode: 0.25CT-TCE- | Units: ppbV | Prep Date: | RunNo: 12887 | | | | | | |
|------------------------------|------------------|-----------------------|-------------|---------------------------|---------------|----------|-----------|-------------|-------|----------|------|
| Client ID: 2017_10_24_Outdoo | Batch ID: R12887 | TestNo: TO-15 | | Analysis Date: 10/30/2017 | SeqNo: 149972 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| 1,1,1-Trichloroethane | 0.9900 | 0.15 | 1 | 0 | 99.0 | 70 | 130 | 0.98 | 1.02 | 30 | |
| 1,1,2,2-Tetrachloroethane | 0.9500 | 0.15 | 1 | 0 | 95.0 | 70 | 130 | 0.96 | 1.05 | 30 | |
| 1,1,2-Trichloroethane | 0.9200 | 0.15 | 1 | 0 | 92.0 | 70 | 130 | 0.93 | 1.08 | 30 | |
| 1,1-Dichloroethane | 0.9800 | 0.15 | 1 | 0 | 98.0 | 70 | 130 | 0.95 | 3.11 | 30 | |
| 1,1-Dichloroethene | 1.000 | 0.15 | 1 | 0 | 100 | 70 | 130 | 0.98 | 2.02 | 30 | |
| 1,2,4-Trichlorobenzene | 1.330 | 0.15 | 1 | 0 | 133 | 70 | 130 | 1.31 | 1.52 | 30 | |
| 1,2,4-Trimethylbenzene | 1.500 | 0.15 | 1 | 0 | 150 | 70 | 130 | 1.49 | 0.669 | 30 | S |
| 1,2-Dibromoethane | 0.9500 | 0.15 | 1 | 0 | 95.0 | 70 | 130 | 0.91 | 4.30 | 30 | |
| 1,2-Dichlorobenzene | 0.9900 | 0.15 | 1 | 0 | 99.0 | 70 | 130 | 0.97 | 2.04 | 30 | |
| 1,2-Dichloroethane | 0.9400 | 0.15 | 1 | 0 | 94.0 | 70 | 130 | 0.93 | 1.07 | 30 | |
| 1,2-Dichloropropane | 0.9500 | 0.15 | 1 | 0 | 95.0 | 70 | 130 | 0.92 | 3.21 | 30 | |
| 1,3,5-Trimethylbenzene | 1.070 | 0.15 | 1 | 0 | 107 | 70 | 130 | 1.04 | 2.84 | 30 | |
| 1,3-butadiene | 1.500 | 0.15 | 1 | 0 | 150 | 70 | 130 | 1.35 | 10.5 | 30 | S |
| 1,3-Dichlorobenzene | 1.030 | 0.15 | 1 | 0 | 103 | 70 | 130 | 1 | 2.96 | 30 | |
| 1,4-Dichlorobenzene | 1.030 | 0.15 | 1 | 0 | 103 | 70 | 130 | 1.02 | 0.976 | 30 | |
| 1,4-Dioxane | 1.150 | 0.30 | 1 | 0 | 115 | 70 | 130 | 1.08 | 6.28 | 30 | |
| 2,2,4-trimethylpentane | 0.9800 | 0.15 | 1 | 0 | 98.0 | 70 | 130 | 0.97 | 1.03 | 30 | |
| 4-ethyltoluene | 1.020 | 0.15 | 1 | 0 | 102 | 70 | 130 | 1.02 | 0 | 30 | |

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

E Estimated Value above quantitation range
 ND Not Detected at the Limit of Detection

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

CLIENT: LaBella Associates, P.C.

Work Order: C1710061

Project: 300 Commerce Dr

TestCode: 0.25CT-TCE-VC

| Sample ID: C1710061-003A MS | | SampType: MSD | TestCode: 0.25CT-TCE- | | Units: ppbV | Prep Date: | | RunNo: 12887 | | | |
|------------------------------|---------|------------------|-----------------------|-------------|-------------|---------------------------|-----------|---------------|-------|----------|------|
| Client ID: 2017_10_24_Outdoo | | Batch ID: R12887 | TestNo: TO-15 | | | Analysis Date: 10/30/2017 | | SeqNo: 149972 | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Acetone | 6.100 ✓ | 0.30 | 1 ✓ | 4.4 | 170 ✓ | 70 | 130 | 5.31 | 13.8 | 30 | ✓ |
| Allyl chloride | 0.9900 | 0.15 | 1 | 0 | 99.0 | 70 | 130 | 0.91 | 8.42 | 30 | |
| Benzene | 1.030 | 0.15 | 1 | 0 | 103 | 70 | 130 | 1 | 2.96 | 30 | |
| Benzyl chloride | 1.060 | 0.15 | 1 | 0 | 106 | 70 | 130 | 1.04 | 1.90 | 30 | |
| Bromodichloromethane | 0.9600 | 0.15 | 1 | 0 | 96.0 | 70 | 130 | 0.94 | 2.11 | 30 | |
| Bromoform | 0.9600 | 0.15 | 1 | 0 | 96.0 | 70 | 130 | 0.94 | 2.11 | 30 | |
| Bromomethane | 0.9600 | 0.15 | 1 | 0 | 96.0 | 70 | 130 | 0.94 | 2.11 | 30 | |
| Carbon disulfide | 0.9200 | 0.15 | 1 | 0 | 92.0 | 70 | 130 | 0.91 | 1.09 | 30 | |
| Carbon tetrachloride | 1.030 | 0.040 | 1 | 0.07 | 96.0 | 70 | 130 | 1.01 | 1.96 | 30 | |
| Chlorobenzene | 0.9400 | 0.15 | 1 | 0 | 94.0 | 70 | 130 | 0.92 | 2.15 | 30 | |
| Chloroethane | 0.9600 | 0.15 | 1 | 0 | 96.0 | 70 | 130 | 0.94 | 2.11 | 30 | |
| Chloroform | 0.9900 | 0.15 | 1 | 0 | 99.0 | 70 | 130 | 0.96 | 3.08 | 30 | |
| Chloromethane | 1.250 | 0.15 | 1 | 0.39 | 86.0 | 70 | 130 | 1.29 | 3.15 | 30 | |
| cis-1,2-Dichloroethene | 0.9300 | 0.15 | 1 | 0 | 93.0 | 70 | 130 | 0.88 | 5.52 | 30 | |
| cis-1,3-Dichloropropene | 0.9000 | 0.15 | 1 | 0 | 90.0 | 70 | 130 | 0.88 | 2.25 | 30 | |
| Cyclohexane | 0.9900 | 0.15 | 1 | 0 | 99.0 | 70 | 130 | 0.97 | 2.04 | 30 | |
| Dibromochloromethane | 0.9400 | 0.15 | 1 | 0 | 94.0 | 70 | 130 | 0.94 | 0 | 30 | |
| Ethyl acetate | 0.9300 | 0.15 | 1 | 0 | 93.0 | 70 | 130 | 0.92 | 1.08 | 30 | |
| Ethylbenzene | 0.9700 | 0.15 | 1 | 0 | 97.0 | 70 | 130 | 0.94 | 3.14 | 30 | |
| Freon 11 | 1.170 | 0.15 | 1 | 0.21 | 96.0 | 70 | 130 | 1.13 | 3.48 | 30 | |
| Freon 113 | 1.060 | 0.15 | 1 | 0 | 106 | 70 | 130 | 1.08 | 1.87 | 30 | |
| Freon 114 | 1.010 | 0.15 | 1 | 0 | 101 | 70 | 130 | 0.96 | 5.08 | 30 | |
| Freon 12 | 1.290 | 0.15 | 1 | 0.44 | 85.0 | 70 | 130 | 1.25 | 2.35 | 30 | |
| Heptane | 1.010 | 0.15 | 1 | 0 | 101 | 70 | 130 | 1 | 0.995 | 30 | |
| Hexachloro-1,3-butadiene | 1.100 | 0.15 | 1 | 0 | 110 | 70 | 130 | 1.08 | 1.83 | 30 | |
| Hexane | 1.050 | 0.15 | 1 | 0 | 105 | 70 | 130 | 1.02 | 2.90 | 30 | |
| Isopropyl alcohol | 1.380 | 0.15 | 1 | 0.54 | 84.0 | 70 | 130 | 1.31 | 5.20 | 30 | |
| m&p-Xylene | 2.060 | 0.30 | 2 | 0.23 | 91.5 | 70 | 130 | 2.05 | 0.487 | 30 | |
| Methyl Butyl Ketone | 1.440 | 0.30 | 1 | 0 | 144 | 70 | 130 | 1.28 | 11.8 | 30 | S |
| Methyl Ethyl Ketone | 1.190 | 0.30 | 1 | 0.33 | 85.0 | 70 | 130 | 1.21 | 1.67 | 30 | |
| Methyl Isobutyl Ketone | 1.170 | 0.30 | 1 | 0.11 | 106 | 70 | 130 | 1.13 | 3.48 | 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: C1710061

Project: 300 Commerce Dr

TestCode: 0.25CT-TCE-VC

| Sample ID: C1710061-003A MS | | SampType: MSD | | TestCode: 0.25CT-TCE- | | Units: ppbV | | Prep Date: | | RunNo: 12887 | |
|------------------------------|--------|------------------|-----------|-----------------------|------|---------------------------|-----------|---------------|-------|--------------|------|
| Client ID: 2017_10_24_Outdoo | | Batch ID: R12887 | | TestNo: TO-15 | | Analysis Date: 10/30/2017 | | SeqNo: 149972 | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Methyl tert-butyl ether | 0.9400 | 0.15 | 1 | 0 | 94.0 | 70 | 130 | 0.91 | 3.24 | 30 | |
| Methylene chloride | 2.940 | 0.15 | 1 | 0.26 | 268 | 70 | 130 | 1.68 | 54.5 | 30 | SR |
| o-Xylene | 1.100 | 0.15 | 1 | 0.1 | 100 | 70 | 130 | 1.06 | 3.70 | 30 | |
| Propylene | 1.350 | 0.15 | 1 | 0 | 135 | 65 70 | 130 135 | 1.28 | 5.32 | 30 | S |
| Styrene | 1.020 | 0.15 | 1 | 0 | 102 | 70 | 130 | 1.01 | 0.985 | 30 | |
| Tetrachloroethylene | 0.9500 | 0.15 | 1 | 0 | 95.0 | 70 | 130 | 0.96 | 1.05 | 30 | |
| Tetrahydrofuran | 0.9400 | 0.15 | 1 | 0 | 94.0 | 70 | 130 | 0.9 | 4.35 | 30 | |
| Toluene | 1.620 | 0.15 | 1 | 0.77 | 85.0 | 70 | 130 | 1.61 | 0.619 | 30 | |
| trans-1,2-Dichloroethene | 0.8900 | 0.15 | 1 | 0 | 89.0 | 70 | 130 | 0.91 | 2.22 | 30 | |
| trans-1,3-Dichloropropene | 0.8400 | 0.15 | 1 | 0 | 84.0 | 70 | 130 | 0.82 | 2.41 | 30 | |
| Trichloroethene | 0.9200 | 0.040 | 1 | 0 | 92.0 | 70 | 130 | 0.9 | 2.20 | 30 | |
| Vinyl acetate | 0.8900 | 0.15 | 1 | 0 | 89.0 | 70 | 130 | 0.87 | 2.27 | 30 | |
| Vinyl Bromide | 0.9400 | 0.15 | 1 | 0 | 94.0 | 70 | 130 | 0.92 | 2.15 | 30 | |
| Vinyl chloride | 0.9500 | 0.040 | 1 | 0 | 95.0 | 70 | 130 | 0.89 | 6.52 | 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



September 4, 2019

Ms. Charlotte Theobald
New York State Department of Environmental Conservation
Division of Environmental Remediation, Region 8
6274 East Avon-Lima Road
Avon, New York 14414-9516

Re: Construction Completion Report Addendum
NYSDEC Site #C828158
300 Commerce Drive
Henrietta, New York

Dear Ms. Theobald:

LaBella Associates, D.P.C. ("LaBella") is submitting this addendum for the above referenced Construction Completion Report. Attached please find the Data Usability Summary Report (DUSR) by DataVal, Inc. (DataVal) for the indoor air sampling completed on January 18, 2018. The DUSR indicated the following:

"Reported data should be considered technically defensible and completely usable in it's present form. Results presenting a usable estimation of the condition at the time of sampling have been flagged "J" or "U". Estimated data should be used with caution."

DataVal only made minor modifications to some of the laboratory data. The DUSR did not change any finding of the Construction Completion Report (CCR) submitted by LaBella on September 3, 2019. As indicated in the CCR, the Sub-slab Depressurization System is effectively mitigating soil vapor intrusion at the Site.

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

Respectfully submitted,

LABELLA ASSOCIATES, D.P.C.

A handwritten signature in black ink, appearing to read 'D. Noll', is positioned above the printed name of the sender.

Dan Noll, P.E.
Project Manager

J:\Yaro Enterprise Inc\208723 BCP 300 Commerce\IRM SSDS CCR\LTR.2019.09.03 - DUSR Follow up letter C828159.docx

DATA USABILITY SUMMARY REPORT

for

LaBella Associates, P.C.

300 State Street

Rochester, NY 14614

300 Commerce Drive

Project 208723

SDG: C1801059

Sampled 01/18/2018

TO-15 AIR SAMPLES

| | |
|------------|---------------|
| 300-IA-01 | (C1801059-01) |
| 300-IA-02 | (C1801059-02) |
| 300-IA-03 | (C1801059-03) |
| 300-IA-04 | (C1801059-04) |
| 300-EXT-01 | (C1801059-05) |
| Dupe | (C1801059-06) |

DATA ASSESSMENT

A TO-15 data package containing analytical results for six 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 300 Commerce Drive 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 methylene chloride and toluene results from 300-IA-01 have been qualified as estimations due to low spiked sample recoveries.

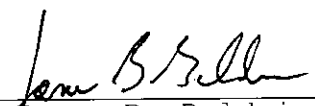
The presence of acetone and heptane in 300-IA-01 and chloromethane in 300-IA-03 could not be verified based on the mass spectra references included in the raw data. These analytes should be interpreted as undetected in the affected samples.

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:


James B. Baldwin
DATAVAL, Inc.

Date: 04 Sep 19

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 five air samples that were collected in 1-liter SUMMA canisters and 300-IA-01 which was collected in a 1.4-liter canister to facilitate the preparation of MS/MSD samples. Sampling was completed on 18Jan18. The canisters were shipped back to the laboratory, via FedEx, on 19Jan18, and were received on 22Jan18. 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 a 8-hour sample, sampling was terminated after 6.5-7.75 hours based on the canister vacuum readings. Each of these readings satisfied the ASP requirement of -5 ± 1 "Hg.

| SAMPLE | PRIOR TO SHIPMENT ("Hg) | PRIOR TO SAMPLING ("Hg) | POST SAMPLING ("Hg) | LAB RECEIPT ("Hg) | LAB ANALYSIS ("Hg) |
|------------|-------------------------|-------------------------|---------------------|-------------------|--------------------|
| 300-IA-01 | 30 | 28 | 4.98 | 5 | 5 |
| 300-IA-02 | 30 | 29 | 4.99 | 5 | 5 |
| 300-IA-03 | 30 | 28 | 4.6 | 5 | 5 |
| 300-IA-04 | 30 | 30 | 3.9 | 4 | 4 |
| 300-EXT-01 | 30 | 30 | 5.7 | 6 | 6 |
| DUPE | 30 | 30 | 3.9 | 4 | 4 |

The analysis of this group of samples was completed on 23Jan18 and 24Jan18, satisfying the ASP holding time limitation.

BLANKS

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

Two method blanks were analyzed with this group of samples. Both of these blanks demonstrated acceptable chromatography and were free of targeted analyte contamination.

CALIBRATION

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

The initial instrument calibration was performed on 16Jan18. Standards of 0.03, 0.04, 0.10, 0.15, 0.30, 0.50, 0.75, 1.0, 1.25, 1.50 and 2.0 ppbV were included. Each targeted analyte produced the required levels of instrument response and demonstrated an acceptable degree of linearity during this calibration.

Continuing calibration check standards were analyzed on 23Jan18 and 24Jan18, prior to the 24-hour periods of instrument operation that included samples from this program. When compared to the initial calibration, each targeted analyte demonstrated an acceptable level of instrument stability during both calibration checks.

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 the initial, undiluted program samples.

Each sample was also analyzed following dilutions ranging between 1:9 and 1:810. The surrogate recoveries from these samples were not evaluated because the surrogates were also highly diluted.

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, acceptable performance was reported for the 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.

300-IA-01 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 (139%,132%), 1,3,5-trimethylbenzene (138%), methylene chloride (206%) and propylene (210%) results, and a low recovery of toluene (65%). Based on this performance the methylene chloride and toluene results from 300-IA-01 have been qualified as estimations. The positive bias indicated by the elevated recoveries of 1,2,4-trichlorobenzene, 1,3,5-trimethylbenzene and propylene warrant no concern because these analytes were not detected in 300-IA-01. The remaining analytes demonstrated acceptable levels of measurement precision and accuracy.

Three spiked blanks (LCS/LCSD, LCS) were also analyzed with this group of samples. The recoveries reported from these LCS samples included high results for carbon disulfide (140%) and hexane (142%), and a low recovery of methyl butyl ketone (53%). These indications of bias, however, warrant no concern because these analytes were not reported from the affected 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.

The duplicate sample that was included in this delivery group was not identified. It is noted that the previously mentioned MS/MSD samples demonstrated acceptable levels of measurement precision.

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 acetone and heptane in 300-IA-01 and chloromethane in 300-IA-03 could not be verified based on the mass spectra references included in the raw data. These analytes should be interpreted as undetected in the affected samples.

SUMMARY OF QUALIFIED DATA

300 COMMERCE DRIVE

SAMPLED JANUARY 2018

| | SPIKES | SPIKE | MS ID | MS ID | MS ID |
|------------|--------------------|---------|---------|---------|---------------|
| | METHYLENE CHLORIDE | TOLUENE | ACETONE | HEPTANE | CHLOROMETHANE |
| 300-IA-01 | 3.9J | 5.2J | 37U | 0.61U | |
| 3300-IA-02 | | | | | 1.2U |
| 300-IA-03 | | | | | |
| 300-IA-04 | | | | | |
| 300-EXT-01 | | | | | |
| Dupe | | | | | |

Centek Laboratories, LLC

Date: 12-Feb-18

CLIENT: LaBella Associates, P.C.
 Lab Order: C1801059
 Project: 300 Commerce BCP
 Lab ID: C1801059-001A

Client Sample ID: 300-1A-01/MSMSD
 Tag Number: 484.1170
 Collection Date: 1/18/2018
 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 | 1/23/2018 4:46:00 PM |
| 1,1,2,2-Tetrachloroethane | < 1.0 | 1.0 | | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| 1,1,2-Trichloroethane | < 0.82 | 0.82 | | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| 1,1-Dichloroethane | < 0.61 | 0.61 | | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| 1,1-Dichloroethene | < 0.16 | 0.16 | | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| 1,2,4-Trichlorobenzene | < 1.1 | 1.1 | | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| 1,2,4-Trimethylbenzene | 0.69 | 0.74 | J | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| 1,2-Dibromoethane | < 1.2 | 1.2 | | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| 1,2-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| 1,2-Dichloroethane | < 0.61 | 0.61 | | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| 1,2-Dichloropropane | < 0.69 | 0.69 | | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| 1,3,5-Trimethylbenzene | < 0.74 | 0.74 | | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| 1,3-butadiene | < 0.33 | 0.33 | | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| 1,3-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| 1,4-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| 1,4-Dioxane | < 1.1 | 1.1 | | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| 2,2,4-trimethylpentane | < 0.70 | 0.70 | | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| 4-ethyltoluene | < 0.74 | 0.74 | | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| Acetone | 37 U | 6.4 | | ug/m3 | 9 | 1/23/2018 11:01:00 PM |
| Allyl chloride | < 0.47 | 0.47 | | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| Benzene | 0.89 | 0.48 | | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| Benzyl chloride | < 0.86 | 0.86 | | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| Bromodichloromethane | < 1.0 | 1.0 | | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| Bromoform | < 1.6 | 1.6 | | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| Bromomethane | < 0.58 | 0.58 | | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| Carbon disulfide | < 0.47 | 0.47 | | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| Carbon tetrachloride | 0.44 | 0.19 | | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| Chlorobenzene | < 0.69 | 0.69 | | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| Chloroethane | < 0.40 | 0.40 | | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| Chloroform | < 0.73 | 0.73 | | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| Chloromethane | 0.99 | 0.31 | | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| cis-1,2-Dichloroethene | < 0.16 | 0.16 | | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| cis-1,3-Dichloropropene | < 0.68 | 0.68 | | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| Cyclohexane | 2.8 | 0.52 | | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| Dibromochloromethane | < 1.3 | 1.3 | | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| Ethyl acetate | 1.7 | 0.54 | | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| Ethylbenzene | < 0.65 | 0.65 | | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| Freon 11 | 1.1 | 0.84 | | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| Freon 113 | < 1.1 | 1.1 | | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| Freon 114 | < 1.0 | 1.0 | | ug/m3 | 1 | 1/23/2018 4:46:00 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

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Centek Laboratories, LLC

Date: 12-Feb-18

CLIENT: LaBella Associates, P.C.
 Lab Order: C1801059
 Project: 300 Commerce BCP
 Lab ID: C1801059-001A

Client Sample ID: 300-1A-01/MSMSD
 Tag Number: 484.1170
 Collection Date: 1/18/2018
 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 ~ | 2.3 | 0.74 | | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| Heptane ~ | 0.61 U | 0.61 | | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| Hexachloro-1,3-butadiene | < 1.6 | 1.6 | | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| Hexane ~ | 0.78 | 0.53 | | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| Isopropyl alcohol ~ | 220 | 34 | | ug/m3 | 90 | 1/23/2018 11:38:00 PM |
| m&p-Xylene ~ | 0.65 | 1.3 | J | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| Methyl Butyl Ketone | < 1.2 | 1.2 | | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| Methyl Ethyl Ketone ~ | 2.1 | 0.88 | | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| Methyl Isobutyl Ketone | < 1.2 | 1.2 | | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| Methyl tert-butyl ether | < 0.54 | 0.54 | | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| Methylene chloride ~ | 3.9 J | 0.52 | | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| o-Xylene | < 0.65 | 0.65 | | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| Propylene | < 0.26 | 0.26 | | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| Styrene ~ | 0.43 | 0.64 | J | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| Tetrachloroethylene | < 1.0 | 1.0 | | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| Tetrahydrofuran | < 0.44 | 0.44 | | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| Toluene ~ | 5.2 J | 0.57 | | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| trans-1,2-Dichloroethene | < 0.59 | 0.59 | | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| trans-1,3-Dichloropropene | < 0.68 | 0.68 | | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| Trichloroethene | < 0.16 | 0.16 | | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| Vinyl acetate | < 0.53 | 0.53 | | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| Vinyl Bromide | < 0.66 | 0.66 | | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| Vinyl chloride | < 0.10 | 0.10 | | ug/m3 | 1 | 1/23/2018 4:46:00 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

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Centek Laboratories, LLC

Date: 12-Feb-18

CLIENT: LaBella Associates, P.C.
 Lab Order: C1801059
 Project: 300 Commerce BCP
 Lab ID: C1801059-002A

Client Sample ID: 300-IA-02
 Tag Number: 1186.310
 Collection Date: 1/18/2018
 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 | 1/23/2018 6:59:00 PM |
| 1,1,2,2-Tetrachloroethane | < 1.0 | 1.0 | | ug/m3 | 1 | 1/23/2018 6:59:00 PM |
| 1,1,2-Trichloroethane | < 0.82 | 0.82 | | ug/m3 | 1 | 1/23/2018 6:59:00 PM |
| 1,1-Dichloroethane | < 0.81 | 0.81 | | ug/m3 | 1 | 1/23/2018 6:59:00 PM |
| 1,1-Dichloroethene | < 0.16 | 0.16 | | ug/m3 | 1 | 1/23/2018 6:59:00 PM |
| 1,2,4-Trichlorobenzene | < 1.1 | 1.1 | | ug/m3 | 1 | 1/23/2018 6:59:00 PM |
| 1,2,4-Trimethylbenzene — | 0.98 | 0.74 | | ug/m3 | 1 | 1/23/2018 6:59:00 PM |
| 1,2-Dibromoethane | < 1.2 | 1.2 | | ug/m3 | 1 | 1/23/2018 6:59:00 PM |
| 1,2-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 1/23/2018 6:59:00 PM |
| 1,2-Dichloroethane | < 0.61 | 0.61 | | ug/m3 | 1 | 1/23/2018 6:59:00 PM |
| 1,2-Dichloropropane | < 0.69 | 0.69 | | ug/m3 | 1 | 1/23/2018 6:59:00 PM |
| 1,3,5-Trimethylbenzene | < 0.74 | 0.74 | | ug/m3 | 1 | 1/23/2018 6:59:00 PM |
| 1,3-butadiene | < 0.33 | 0.33 | | ug/m3 | 1 | 1/23/2018 6:59:00 PM |
| 1,3-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 1/23/2018 6:59:00 PM |
| 1,4-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 1/23/2018 6:59:00 PM |
| 1,4-Dioxane | < 1.1 | 1.1 | | ug/m3 | 1 | 1/23/2018 6:59:00 PM |
| 2,2,4-trimethylpentane | < 0.70 | 0.70 | | ug/m3 | 1 | 1/23/2018 6:59:00 PM |
| 4-ethyltoluene | < 0.74 | 0.74 | | ug/m3 | 1 | 1/23/2018 6:59:00 PM |
| Acetone | 52 52 52 | 6.4 | | ug/m3 | 9 | 1/24/2018 12:18:00 AM |
| Allyl chloride | < 0.47 | 0.47 | | ug/m3 | 1 | 1/23/2018 6:59:00 PM |
| Benzene — | 1.1 | 0.48 | | ug/m3 | 1 | 1/23/2018 6:59:00 PM |
| Benzyl chloride | < 0.86 | 0.86 | | ug/m3 | 1 | 1/23/2018 6:59:00 PM |
| Bromodichloromethane | < 1.0 | 1.0 | | ug/m3 | 1 | 1/23/2018 6:59:00 PM |
| Bromoform | < 1.6 | 1.6 | | ug/m3 | 1 | 1/23/2018 6:59:00 PM |
| Bromomethane | < 0.58 | 0.58 | | ug/m3 | 1 | 1/23/2018 6:59:00 PM |
| Carbon disulfide | < 0.47 | 0.47 | | ug/m3 | 1 | 1/23/2018 6:59:00 PM |
| Carbon tetrachloride — | 0.38 | 0.19 | | ug/m3 | 1 | 1/23/2018 6:59:00 PM |
| Chlorobenzene | < 0.69 | 0.69 | | ug/m3 | 1 | 1/23/2018 6:59:00 PM |
| Chloroethane | < 0.40 | 0.40 | | ug/m3 | 1 | 1/23/2018 6:59:00 PM |
| Chloroform | < 0.73 | 0.73 | | ug/m3 | 1 | 1/23/2018 6:59:00 PM |
| Chloromethane — | 0.93 | 0.31 | | ug/m3 | 1 | 1/23/2018 6:59:00 PM |
| cis-1,2-Dichloroethene | < 0.16 | 0.16 | | ug/m3 | 1 | 1/23/2018 6:59:00 PM |
| cis-1,3-Dichloropropene | < 0.68 | 0.68 | | ug/m3 | 1 | 1/23/2018 6:59:00 PM |
| Cyclohexane — | 4.5 | 0.52 | | ug/m3 | 1 | 1/23/2018 6:59:00 PM |
| Dibromochloromethane | < 1.3 | 1.3 | | ug/m3 | 1 | 1/23/2018 6:59:00 PM |
| Ethyl acetate — | 3.7 | 0.54 | | ug/m3 | 1 | 1/23/2018 6:59:00 PM |
| Ethylbenzene | < 0.65 | 0.65 | | ug/m3 | 1 | 1/23/2018 6:59:00 PM |
| Freon 11 — | 1.1 | 0.84 | | ug/m3 | 1 | 1/23/2018 6:59:00 PM |
| Freon 113 | < 1.1 | 1.1 | | ug/m3 | 1 | 1/23/2018 6:59:00 PM |
| Freon 114 | < 1.0 | 1.0 | | ug/m3 | 1 | 1/23/2018 6:59:00 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

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Centek Laboratories, LLC

Date: 12-Feb-18

CLIENT: LaBella Associates, P.C.
 Lab Order: C1801059
 Project: 300 Commerce BCP
 Lab ID: C1801059-002A

Client Sample ID: 300-1A-02
 Tag Number: 1186.310
 Collection Date: 1/18/2018
 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 - | 2.4 | 0.74 | | ug/m3 | 1 | 1/23/2018 6:59:00 PM |
| Heptane | 0.61 0.28 U | 0.61 | | ug/m3 | 1 | 1/23/2018 6:59:00 PM |
| Hexachloro-1,3-butadiene | < 1.6 | 1.6 | | ug/m3 | 1 | 1/23/2018 6:59:00 PM |
| Hexane - | 0.99 | 0.53 | | ug/m3 | 1 | 1/23/2018 6:59:00 PM |
| Isopropyl alcohol - | 380 | 34 | | ug/m3 | 90 | 1/24/2018 12:55:00 AM |
| m&p-Xylene - | 1.0 | 1.3 | J | ug/m3 | 1 | 1/23/2018 6:59:00 PM |
| Methyl Butyl Ketone | < 1.2 | 1.2 | | ug/m3 | 1 | 1/23/2018 6:59:00 PM |
| Methyl Ethyl Ketone - | 3.3 | 0.88 | | ug/m3 | 1 | 1/23/2018 6:59:00 PM |
| Methyl Isobutyl Ketone | < 1.2 | 1.2 | | ug/m3 | 1 | 1/23/2018 6:59:00 PM |
| Methyl tert-butyl ether | < 0.54 | 0.54 | | ug/m3 | 1 | 1/23/2018 6:59:00 PM |
| Methylene chloride - | 1.8 | 0.52 | | ug/m3 | 1 | 1/23/2018 6:59:00 PM |
| o-Xylene - | 0.48 | 0.65 | J | ug/m3 | 1 | 1/23/2018 6:59:00 PM |
| Propylene | < 0.26 | 0.26 | | ug/m3 | 1 | 1/23/2018 6:59:00 PM |
| Styrene - | 0.81 | 0.64 | | ug/m3 | 1 | 1/23/2018 6:59:00 PM |
| Tetrachloroethylene | < 1.0 | 1.0 | | ug/m3 | 1 | 1/23/2018 6:59:00 PM |
| Tetrahydrofuran | < 0.44 | 0.44 | | ug/m3 | 1 | 1/23/2018 6:59:00 PM |
| Toluene - | 5.8 | 5.3 | | ug/m3 | 9 | 1/24/2018 12:18:00 AM |
| trans-1,2-Dichloroethene | < 0.59 | 0.59 | | ug/m3 | 1 | 1/23/2018 6:59:00 PM |
| trans-1,3-Dichloropropene | < 0.68 | 0.68 | | ug/m3 | 1 | 1/23/2018 6:59:00 PM |
| Trichloroethene - | 0.59 | 0.16 | | ug/m3 | 1 | 1/23/2018 6:59:00 PM |
| Vinyl acetate | < 0.53 | 0.53 | | ug/m3 | 1 | 1/23/2018 6:59:00 PM |
| Vinyl Bromide | < 0.66 | 0.66 | | ug/m3 | 1 | 1/23/2018 6:59:00 PM |
| Vinyl chloride | < 0.10 | 0.10 | | ug/m3 | 1 | 1/23/2018 6:59:00 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

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Centek Laboratories, LLC

Date: 12-Feb-18

CLIENT: LaBella Associates, P.C.
 Lab Order: C1801059
 Project: 300 Commerce BCP
 Lab ID: C1801059-003A

Client Sample ID: 300-1A-03
 Tag Number: 556.1171
 Collection Date: 1/18/2018
 Matrix: AIR

| Analyses | Result | **Limit | Qual | Units | DF | Date Analyzed |
|---|--------|---------|------|-------|----|----------------------|
| 1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE | | | | | | Analyst: RJP |
| TO-15 | | | | | | |
| 1,1,1-Trichloroethane | < 0.82 | 0.82 | | ug/m3 | 1 | 1/23/2018 7:40:00 PM |
| 1,1,2,2-Tetrachloroethane | < 1.0 | 1.0 | | ug/m3 | 1 | 1/23/2018 7:40:00 PM |
| 1,1,2-Trichloroethane | < 0.82 | 0.82 | | ug/m3 | 1 | 1/23/2018 7:40:00 PM |
| 1,1-Dichloroethane | < 0.61 | 0.61 | | ug/m3 | 1 | 1/23/2018 7:40:00 PM |
| 1,1-Dichloroethene | < 0.16 | 0.16 | | ug/m3 | 1 | 1/23/2018 7:40:00 PM |
| 1,2,4-Trichlorobenzene | < 1.1 | 1.1 | | ug/m3 | 1 | 1/23/2018 7:40:00 PM |
| 1,2,4-Trimethylbenzene | 2.1 | 0.74 | | ug/m3 | 1 | 1/23/2018 7:40:00 PM |
| 1,2-Dibromoethane | < 1.2 | 1.2 | | ug/m3 | 1 | 1/23/2018 7:40:00 PM |
| 1,2-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 1/23/2018 7:40:00 PM |
| 1,2-Dichloroethane | < 0.61 | 0.61 | | ug/m3 | 1 | 1/23/2018 7:40:00 PM |
| 1,2-Dichloropropane | < 0.69 | 0.69 | | ug/m3 | 1 | 1/23/2018 7:40:00 PM |
| 1,3,5-Trimethylbenzene | < 0.74 | 0.74 | | ug/m3 | 1 | 1/23/2018 7:40:00 PM |
| 1,3-butadiene | < 0.33 | 0.33 | | ug/m3 | 1 | 1/23/2018 7:40:00 PM |
| 1,3-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 1/23/2018 7:40:00 PM |
| 1,4-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 1/23/2018 7:40:00 PM |
| 1,4-Dioxane | < 1.1 | 1.1 | | ug/m3 | 1 | 1/23/2018 7:40:00 PM |
| 2,2,4-trimethylpentane | < 0.70 | 0.70 | | ug/m3 | 1 | 1/23/2018 7:40:00 PM |
| 4-ethyltoluene | < 0.74 | 0.74 | | ug/m3 | 1 | 1/23/2018 7:40:00 PM |
| Acetone | 78 | 64 | | ug/m3 | 90 | 1/24/2018 2:12:00 AM |
| Allyl chloride | < 0.47 | 0.47 | | ug/m3 | 1 | 1/23/2018 7:40:00 PM |
| Benzene | 1.3 | 0.48 | | ug/m3 | 1 | 1/23/2018 7:40:00 PM |
| Benzyl chloride | < 0.86 | 0.86 | | ug/m3 | 1 | 1/23/2018 7:40:00 PM |
| Bromodichloromethane | < 1.0 | 1.0 | | ug/m3 | 1 | 1/23/2018 7:40:00 PM |
| Bromoform | < 1.6 | 1.6 | | ug/m3 | 1 | 1/23/2018 7:40:00 PM |
| Bromomethane | < 0.58 | 0.58 | | ug/m3 | 1 | 1/23/2018 7:40:00 PM |
| Carbon disulfide | < 0.47 | 0.47 | | ug/m3 | 1 | 1/23/2018 7:40:00 PM |
| Carbon tetrachloride | 0.38 | 0.19 | | ug/m3 | 1 | 1/23/2018 7:40:00 PM |
| Chlorobenzene | < 0.69 | 0.69 | | ug/m3 | 1 | 1/23/2018 7:40:00 PM |
| Chloroethane | < 0.40 | 0.40 | | ug/m3 | 1 | 1/23/2018 7:40:00 PM |
| Chloroform | < 0.73 | 0.73 | | ug/m3 | 1 | 1/23/2018 7:40:00 PM |
| Chloromethane | 1.2 | 0.31 | | ug/m3 | 1 | 1/23/2018 7:40:00 PM |
| cis-1,2-Dichloroethene | < 0.16 | 0.16 | | ug/m3 | 1 | 1/23/2018 7:40:00 PM |
| cis-1,3-Dichloropropene | < 0.68 | 0.68 | | ug/m3 | 1 | 1/23/2018 7:40:00 PM |
| Cyclohexane | 8.4 | 4.8 | | ug/m3 | 9 | 1/24/2018 1:35:00 AM |
| Dibromochloromethane | < 1.3 | 1.3 | | ug/m3 | 1 | 1/23/2018 7:40:00 PM |
| Ethyl acetate | 3.6 | 0.54 | | ug/m3 | 1 | 1/23/2018 7:40:00 PM |
| Ethylbenzene | 0.43 | 0.65 | J | ug/m3 | 1 | 1/23/2018 7:40:00 PM |
| Freon 11 | 1.1 | 0.84 | | ug/m3 | 1 | 1/23/2018 7:40:00 PM |
| Freon 113 | < 1.1 | 1.1 | | ug/m3 | 1 | 1/23/2018 7:40:00 PM |
| Freon 114 | < 1.0 | 1.0 | | ug/m3 | 1 | 1/23/2018 7:40:00 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

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Centek Laboratories, LLC

Date: 12-Feb-18

CLIENT: LaBella Associates, P.C.
 Lab Order: C1801059
 Project: 300 Commerce BCP
 Lab ID: C1801059-003A

Client Sample ID: 300-1A-03
 Tag Number: 556.1171
 Collection Date: 1/18/2018
 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 ~ | 2.3 | 0.74 | | ug/m3 | 1 | 1/23/2018 7:40:00 PM |
| Heptane ~ | 0.98 | 0.61 | | ug/m3 | 1 | 1/23/2018 7:40:00 PM |
| Hexachloro-1,3-butadiene | < 1.6 | 1.6 | | ug/m3 | 1 | 1/23/2018 7:40:00 PM |
| Hexane ~ | 1.9 | 0.53 | | ug/m3 | 1 | 1/23/2018 7:40:00 PM |
| Isopropyl alcohol ~ | 840 | 290 | | ug/m3 | 810 | 1/24/2018 11:45:00 AM |
| m&p-Xylene ~ | 1.0 | 1.3 | J | ug/m3 | 1 | 1/23/2018 7:40:00 PM |
| Methyl Butyl Ketone | < 1.2 | 1.2 | | ug/m3 | 1 | 1/23/2018 7:40:00 PM |
| Methyl Ethyl Ketone ~ | 3.9 | 0.88 | | ug/m3 | 1 | 1/23/2018 7:40:00 PM |
| Methyl Isobutyl Ketone | < 1.2 | 1.2 | | ug/m3 | 1 | 1/23/2018 7:40:00 PM |
| Methyl tert-butyl ether | < 0.54 | 0.54 | | ug/m3 | 1 | 1/23/2018 7:40:00 PM |
| Methylene chloride ~ | 1.3 | 0.52 | | ug/m3 | 1 | 1/23/2018 7:40:00 PM |
| o-Xylene ~ | 0.61 | 0.66 | J | ug/m3 | 1 | 1/23/2018 7:40:00 PM |
| Propylene | < 0.26 | 0.26 | | ug/m3 | 1 | 1/23/2018 7:40:00 PM |
| Styrene ~ | 1.1 | 0.64 | | ug/m3 | 1 | 1/23/2018 7:40:00 PM |
| Tetrachloroethylene | < 1.0 | 1.0 | | ug/m3 | 1 | 1/23/2018 7:40:00 PM |
| Tetrahydrofuran | < 0.44 | 0.44 | | ug/m3 | 1 | 1/23/2018 7:40:00 PM |
| Toluene ~ | 13 | 5.3 | | ug/m3 | 9 | 1/24/2018 1:35:00 AM |
| trans-1,2-Dichloroethene | < 0.59 | 0.59 | | ug/m3 | 1 | 1/23/2018 7:40:00 PM |
| trans-1,3-Dichloropropene | < 0.68 | 0.68 | | ug/m3 | 1 | 1/23/2018 7:40:00 PM |
| Trichloroethene | < 0.16 | 0.16 | | ug/m3 | 1 | 1/23/2018 7:40:00 PM |
| Vinyl acetate | < 0.53 | 0.53 | | ug/m3 | 1 | 1/23/2018 7:40:00 PM |
| Vinyl Bromide | < 0.66 | 0.66 | | ug/m3 | 1 | 1/23/2018 7:40:00 PM |
| Vinyl chloride | < 0.10 | 0.10 | | ug/m3 | 1 | 1/23/2018 7:40:00 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

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Centek Laboratories, LLC

Date: 12-Feb-18

CLIENT: LaBella Associates, P.C.
 Lab Order: C1801059
 Project: 300 Commerce BCP
 Lab ID: C1801059-004A

Client Sample ID: 300-1A-04
 Tag Number: 554.268
 Collection Date: 1/18/2018
 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 | 1/23/2018 8:21:00 PM |
| 1,1,2,2-Tetrachloroethane | < 1.0 | 1.0 | | ug/m3 | 1 | 1/23/2018 8:21:00 PM |
| 1,1,2-Trichloroethane | < 0.82 | 0.82 | | ug/m3 | 1 | 1/23/2018 8:21:00 PM |
| 1,1-Dichloroethane | < 0.61 | 0.61 | | ug/m3 | 1 | 1/23/2018 8:21:00 PM |
| 1,1-Dichloroethene | < 0.16 | 0.16 | | ug/m3 | 1 | 1/23/2018 8:21:00 PM |
| 1,2,4-Trichlorobenzene | < 1.1 | 1.1 | | ug/m3 | 1 | 1/23/2018 8:21:00 PM |
| 1,2,4-Trimethylbenzene - | 2.0 | 0.74 | | ug/m3 | 1 | 1/23/2018 8:21:00 PM |
| 1,2-Dibromoethane | < 1.2 | 1.2 | | ug/m3 | 1 | 1/23/2018 8:21:00 PM |
| 1,2-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 1/23/2018 8:21:00 PM |
| 1,2-Dichloroethane | < 0.61 | 0.61 | | ug/m3 | 1 | 1/23/2018 8:21:00 PM |
| 1,2-Dichloropropene | < 0.69 | 0.69 | | ug/m3 | 1 | 1/23/2018 8:21:00 PM |
| 1,3,5-Trimethylbenzene | < 0.74 | 0.74 | | ug/m3 | 1 | 1/23/2018 8:21:00 PM |
| 1,3-butadiene | < 0.33 | 0.33 | | ug/m3 | 1 | 1/23/2018 8:21:00 PM |
| 1,3-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 1/23/2018 8:21:00 PM |
| 1,4-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 1/23/2018 8:21:00 PM |
| 1,4-Dioxane | < 1.1 | 1.1 | | ug/m3 | 1 | 1/23/2018 8:21:00 PM |
| 2,2,4-trimethylpentane | < 0.70 | 0.70 | | ug/m3 | 1 | 1/23/2018 8:21:00 PM |
| 4-ethyltoluene - | 1.3 | 0.74 | | ug/m3 | 1 | 1/23/2018 8:21:00 PM |
| Acetone - | 70 | 7.1 | | ug/m3 | 10 | 1/24/2018 2:49:00 AM |
| Allyl chloride | < 0.47 | 0.47 | | ug/m3 | 1 | 1/23/2018 8:21:00 PM |
| Benzene - | 1.3 | 0.48 | | ug/m3 | 1 | 1/23/2018 8:21:00 PM |
| Benzyl chloride | < 0.86 | 0.86 | | ug/m3 | 1 | 1/23/2018 8:21:00 PM |
| Bromodichloromethane | < 1.0 | 1.0 | | ug/m3 | 1 | 1/23/2018 8:21:00 PM |
| Bromoform | < 1.6 | 1.6 | | ug/m3 | 1 | 1/23/2018 8:21:00 PM |
| Bromomethane | < 0.58 | 0.58 | | ug/m3 | 1 | 1/23/2018 8:21:00 PM |
| Carbon disulfide | < 0.47 | 0.47 | | ug/m3 | 1 | 1/23/2018 8:21:00 PM |
| Carbon tetrachloride - | 0.38 | 0.19 | | ug/m3 | 1 | 1/23/2018 8:21:00 PM |
| Chlorobenzene | < 0.69 | 0.69 | | ug/m3 | 1 | 1/23/2018 8:21:00 PM |
| Chloroethane | < 0.40 | 0.40 | | ug/m3 | 1 | 1/23/2018 8:21:00 PM |
| Chloroform | < 0.73 | 0.73 | | ug/m3 | 1 | 1/23/2018 8:21:00 PM |
| Chloromethane - | 1.2 | 0.31 | | ug/m3 | 1 | 1/23/2018 8:21:00 PM |
| cis-1,2-Dichloroethene | < 0.16 | 0.16 | | ug/m3 | 1 | 1/23/2018 8:21:00 PM |
| cis-1,3-Dichloropropene | < 0.68 | 0.68 | | ug/m3 | 1 | 1/23/2018 8:21:00 PM |
| Cyclohexane - | 11 | 5.2 | | ug/m3 | 10 | 1/24/2018 2:49:00 AM |
| Dibromochloromethane | < 1.3 | 1.3 | | ug/m3 | 1 | 1/23/2018 8:21:00 PM |
| Ethyl acetate | 4.3 | 0.54 | | ug/m3 | 1 | 1/23/2018 8:21:00 PM |
| Ethylbenzene - | 0.52 | 0.65 | J | ug/m3 | 1 | 1/23/2018 8:21:00 PM |
| Freon 11 - | 1.1 | 0.84 | | ug/m3 | 1 | 1/23/2018 8:21:00 PM |
| Freon 113 | < 1.1 | 1.1 | | ug/m3 | 1 | 1/23/2018 8:21:00 PM |
| Freon 114 | < 1.0 | 1.0 | | ug/m3 | 1 | 1/23/2018 8:21:00 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

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Centek Laboratories, LLC

Date: 12-Feb-18

CLIENT: LaBella Associates, P.C.
 Lab Order: C1801059
 Project: 300 Commerce BCP
 Lab ID: C1801059-004A

Client Sample ID: 300-1A-04
 Tag Number: 554.268
 Collection Date: 1/18/2018
 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 | 2.3 | 0.74 | | ug/m3 | 1 | 1/23/2018 8:21:00 PM |
| Heptane | 1.1 | 0.61 | | ug/m3 | 1 | 1/23/2018 8:21:00 PM |
| Hexachloro-1,3-butadiene | < 1.6 | 1.6 | | ug/m3 | 1 | 1/23/2018 8:21:00 PM |
| Hexane | 2.0 | 0.53 | | ug/m3 | 1 | 1/23/2018 8:21:00 PM |
| Isopropyl alcohol | 1600 | 290 | | ug/m3 | 810 | 1/24/2018 12:22:00 PM |
| m&p-Xylene | 1.1 | 1.3 | J | ug/m3 | 1 | 1/23/2018 8:21:00 PM |
| Methyl Butyl Ketone | < 1.2 | 1.2 | | ug/m3 | 1 | 1/23/2018 8:21:00 PM |
| Methyl Ethyl Ketone | 4.0 | 0.88 | | ug/m3 | 1 | 1/23/2018 8:21:00 PM |
| Methyl Isobutyl Ketone | < 1.2 | 1.2 | | ug/m3 | 1 | 1/23/2018 8:21:00 PM |
| Methyl tert-butyl ether | < 0.54 | 0.54 | | ug/m3 | 1 | 1/23/2018 8:21:00 PM |
| Methylene chloride | 0.83 | 0.52 | | ug/m3 | 1 | 1/23/2018 8:21:00 PM |
| o-Xylene | 0.56 | 0.65 | J | ug/m3 | 1 | 1/23/2018 8:21:00 PM |
| Propylene | < 0.26 | 0.26 | | ug/m3 | 1 | 1/23/2018 8:21:00 PM |
| Styrene | 1.4 | 0.64 | | ug/m3 | 1 | 1/23/2018 8:21:00 PM |
| Tetrachloroethylene | < 1.0 | 1.0 | | ug/m3 | 1 | 1/23/2018 8:21:00 PM |
| Tetrahydrofuran | < 0.44 | 0.44 | | ug/m3 | 1 | 1/23/2018 8:21:00 PM |
| Toluene | 17 | 5.7 | | ug/m3 | 10 | 1/24/2018 2:49:00 AM |
| trans-1,2-Dichloroethene | < 0.59 | 0.59 | | ug/m3 | 1 | 1/23/2018 8:21:00 PM |
| trans-1,3-Dichloropropene | < 0.68 | 0.68 | | ug/m3 | 1 | 1/23/2018 8:21:00 PM |
| Trichloroethene | 0.21 | 0.16 | | ug/m3 | 1 | 1/23/2018 8:21:00 PM |
| Vinyl acetate | < 0.53 | 0.53 | | ug/m3 | 1 | 1/23/2018 8:21:00 PM |
| Vinyl Bromide | < 0.66 | 0.66 | | ug/m3 | 1 | 1/23/2018 8:21:00 PM |
| Vinyl chloride | < 0.10 | 0.10 | | ug/m3 | 1 | 1/23/2018 8:21:00 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

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Centek Laboratories, LLC

Date: 12-Feb-18

CLIENT: LaBella Associates, P.C.
 Lab Order: C1801059
 Project: 300 Commerce BCP
 Lab ID: C1801059-005A

Client Sample ID: 300-EXT-01
 Tag Number: 366.372
 Collection Date: 1/18/2018
 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 | 1/23/2018 9:01:00 PM |
| 1,1,2,2-Tetrachloroethane | < 1.0 | 1.0 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| 1,1,2-Trichloroethane | < 0.82 | 0.82 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| 1,1-Dichloroethane | < 0.61 | 0.61 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| 1,1-Dichloroethene | < 0.16 | 0.16 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| 1,2,4-Trichlorobenzene | < 1.1 | 1.1 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| 1,2,4-Trimethylbenzene | < 0.74 | 0.74 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| 1,2-Dibromoethane | < 1.2 | 1.2 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| 1,2-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| 1,2-Dichloroethane | < 0.61 | 0.61 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| 1,2-Dichloropropane | < 0.69 | 0.69 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| 1,3,5-Trimethylbenzene | < 0.74 | 0.74 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| 1,3-butadiene | < 0.33 | 0.33 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| 1,3-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| 1,4-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| 1,4-Dioxane | < 1.1 | 1.1 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| 2,2,4-trimethylpentane | < 0.70 | 0.70 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| 4-ethyltoluene | < 0.74 | 0.74 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| Acetone - | 11 | 7.1 | | ug/m3 | 10 | 1/24/2018 3:25:00 AM |
| Allyl chloride | < 0.47 | 0.47 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| Benzene - | 0.67 | 0.48 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| Benzyl chloride | < 0.86 | 0.86 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| Bromodichloromethane | < 1.0 | 1.0 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| Bromoform | < 1.6 | 1.6 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| Bromomethane | < 0.58 | 0.58 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| Carbon disulfide | < 0.47 | 0.47 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| Carbon tetrachloride- | 0.44 | 0.19 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| Chlorobenzene | < 0.69 | 0.69 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| Chloroethane | < 0.40 | 0.40 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| Chloroform | < 0.73 | 0.73 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| Chloromethane - | 0.78 | 0.31 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| cis-1,2-Dichloroethene | < 0.16 | 0.16 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| cis-1,3-Dichloropropene | < 0.68 | 0.68 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| Cyclohexane | < 0.52 | 0.52 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| Dibromochloromethane | < 1.3 | 1.3 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| Ethyl acetate | < 0.54 | 0.54 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| Ethylbenzene | < 0.65 | 0.65 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| Freon 11 - | 1.1 | 0.84 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| Freon 113 | < 1.1 | 1.1 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| Freon 114 | < 1.0 | 1.0 | | ug/m3 | 1 | 1/23/2018 9:01:00 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

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Centek Laboratories, LLC

Date: 12-Feb-18

CLIENT: LaBella Associates, P.C.
 Lab Order: C1801059
 Project: 300 Commerce BCP
 Lab ID: C1801059-005A

Client Sample ID: 300-EXT-01
 Tag Number: 366.372
 Collection Date: 1/18/2018
 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 | 2.3 | 0.74 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| Heptane | < 0.61 | 0.61 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| Hexachloro-1,3-butadiene | < 1.6 | 1.6 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| Hexane | < 0.53 | 0.53 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| Isopropyl alcohol | 2.6 | 0.37 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| m&p-Xylene | < 1.3 | 1.3 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| Methyl Butyl Ketone | < 1.2 | 1.2 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| Methyl Ethyl Ketone | < 0.88 | 0.88 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| Methyl Isobutyl Ketone | < 1.2 | 1.2 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| Methyl tert-butyl ether | < 0.54 | 0.54 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| Methylene chloride | 0.94 | 0.52 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| o-Xylene | < 0.65 | 0.65 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| Propylene | < 0.26 | 0.26 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| Styrene | < 0.64 | 0.64 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| Tetrachloroethylene | < 1.0 | 1.0 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| Tetrahydrofuran | < 0.44 | 0.44 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| Toluene | 0.75 | 0.57 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| trans-1,2-Dichloroethene | < 0.59 | 0.59 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| trans-1,3-Dichloropropene | < 0.68 | 0.68 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| Trichloroethene | < 0.16 | 0.16 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| Vinyl acetate | < 0.53 | 0.53 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| Vinyl Bromide | < 0.66 | 0.66 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| Vinyl chloride | < 0.10 | 0.10 | | ug/m3 | 1 | 1/23/2018 9:01:00 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

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Centek Laboratories, LLC

Date: 12-Feb-18

CLIENT: LaBella Associates, P.C.
 Lab Order: C1801059
 Project: 300 Commerce BCP
 Lab ID: C1801059-006A

Client Sample ID: Dupe
 Tag Number: 1177.268
 Collection Date: 1/18/2018
 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 | 1/23/2018 9:41:00 PM |
| 1,1,2,2-Tetrachloroethane | < 1.0 | 1.0 | | ug/m3 | 1 | 1/23/2018 9:41:00 PM |
| 1,1,2-Trichloroethane | < 0.82 | 0.82 | | ug/m3 | 1 | 1/23/2018 9:41:00 PM |
| 1,1-Dichloroethane | < 0.61 | 0.61 | | ug/m3 | 1 | 1/23/2018 9:41:00 PM |
| 1,1-Dichloroethene | < 0.16 | 0.16 | | ug/m3 | 1 | 1/23/2018 9:41:00 PM |
| 1,2,4-Trichlorobenzene | < 1.1 | 1.1 | | ug/m3 | 1 | 1/23/2018 9:41:00 PM |
| 1,2,4-Trimethylbenzene | 2.1 | 0.74 | | ug/m3 | 1 | 1/23/2018 9:41:00 PM |
| 1,2-Dibromoethane | < 1.2 | 1.2 | | ug/m3 | 1 | 1/23/2018 9:41:00 PM |
| 1,2-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 1/23/2018 9:41:00 PM |
| 1,2-Dichloroethane | < 0.61 | 0.61 | | ug/m3 | 1 | 1/23/2018 9:41:00 PM |
| 1,2-Dichloropropane | < 0.69 | 0.69 | | ug/m3 | 1 | 1/23/2018 9:41:00 PM |
| 1,3,5-Trimethylbenzene | < 0.74 | 0.74 | | ug/m3 | 1 | 1/23/2018 9:41:00 PM |
| 1,3-butadiene | < 0.33 | 0.33 | | ug/m3 | 1 | 1/23/2018 9:41:00 PM |
| 1,3-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 1/23/2018 9:41:00 PM |
| 1,4-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 1/23/2018 9:41:00 PM |
| 1,4-Dioxane | < 1.1 | 1.1 | | ug/m3 | 1 | 1/23/2018 9:41:00 PM |
| 2,2,4-trimethylpentane | < 0.70 | 0.70 | | ug/m3 | 1 | 1/23/2018 9:41:00 PM |
| 4-ethyltoluene | < 0.74 | 0.74 | | ug/m3 | 1 | 1/23/2018 9:41:00 PM |
| Acetone | 71 | 7.1 | | ug/m3 | 10 | 1/24/2018 4:03:00 AM |
| Allyl chloride | < 0.47 | 0.47 | | ug/m3 | 1 | 1/23/2018 9:41:00 PM |
| Benzene | 1.3 | 0.48 | | ug/m3 | 1 | 1/23/2018 9:41:00 PM |
| Benzyl chloride | < 0.86 | 0.86 | | ug/m3 | 1 | 1/23/2018 9:41:00 PM |
| Bromodichloromethane | < 1.0 | 1.0 | | ug/m3 | 1 | 1/23/2018 9:41:00 PM |
| Bromoform | < 1.6 | 1.6 | | ug/m3 | 1 | 1/23/2018 9:41:00 PM |
| Bromomethane | < 0.58 | 0.58 | | ug/m3 | 1 | 1/23/2018 9:41:00 PM |
| Carbon disulfide | < 0.47 | 0.47 | | ug/m3 | 1 | 1/23/2018 9:41:00 PM |
| Carbon tetrachloride | 0.38 | 0.19 | | ug/m3 | 1 | 1/23/2018 9:41:00 PM |
| Chlorobenzene | < 0.69 | 0.69 | | ug/m3 | 1 | 1/23/2018 9:41:00 PM |
| Chloroethane | < 0.40 | 0.40 | | ug/m3 | 1 | 1/23/2018 9:41:00 PM |
| Chloroform | < 0.73 | 0.73 | | ug/m3 | 1 | 1/23/2018 9:41:00 PM |
| Chloromethane | < 0.31 | 0.31 | | ug/m3 | 1 | 1/23/2018 9:41:00 PM |
| cis-1,2-Dichloroethene | < 0.16 | 0.16 | | ug/m3 | 1 | 1/23/2018 9:41:00 PM |
| cis-1,3-Dichloropropene | < 0.68 | 0.68 | | ug/m3 | 1 | 1/23/2018 9:41:00 PM |
| Cyclohexane | 8.6 | 5.2 | | ug/m3 | 10 | 1/24/2018 4:03:00 AM |
| Dibromochloromethane | < 1.3 | 1.3 | | ug/m3 | 1 | 1/23/2018 9:41:00 PM |
| Ethyl acetate | 4.4 | 0.54 | | ug/m3 | 1 | 1/23/2018 9:41:00 PM |
| Ethylbenzene | 0.52 | 0.65 | J | ug/m3 | 1 | 1/23/2018 9:41:00 PM |
| Freon 11 | 1.2 | 0.84 | | ug/m3 | 1 | 1/23/2018 9:41:00 PM |
| Freon 113 | < 1.1 | 1.1 | | ug/m3 | 1 | 1/23/2018 9:41:00 PM |
| Freon 114 | < 1.0 | 1.0 | | ug/m3 | 1 | 1/23/2018 9:41:00 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

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Centek Laboratories, LLC

Date: 12-Feb-18

CLIENT: LaBella Associates, P.C.
 Lab Order: C1801059
 Project: 300 Commerce BCP
 Lab ID: C1801059-006A

Client Sample ID: Dupe
 Tag Number: 1177.268
 Collection Date: 1/18/2018
 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 — | 2.2 | 0.74 | | ug/m3 | 1 | 1/23/2018 9:41:00 PM |
| Heptane — | 1.1 | 0.61 | | ug/m3 | 1 | 1/23/2018 9:41:00 PM |
| Hexachloro-1,3-butadiene | < 1.6 | 1.6 | | ug/m3 | 1 | 1/23/2018 9:41:00 PM |
| Hexane — | 1.9 | 0.53 | | ug/m3 | 1 | 1/23/2018 9:41:00 PM |
| Isopropyl alcohol — | 1500 | 290 | | ug/m3 | 810 | 1/24/2018 12:59:00 PM |
| m&p-Xylene — | 1.1 | 1.3 | J | ug/m3 | 1 | 1/23/2018 9:41:00 PM |
| Methyl Butyl Ketone | < 1.2 | 1.2 | | ug/m3 | 1 | 1/23/2018 9:41:00 PM |
| Methyl Ethyl Ketone — | 4.3 | 0.88 | | ug/m3 | 1 | 1/23/2018 9:41:00 PM |
| Methyl Isobutyl Ketone | < 1.2 | 1.2 | | ug/m3 | 1 | 1/23/2018 9:41:00 PM |
| Methyl tert-butyl ether | < 0.54 | 0.54 | | ug/m3 | 1 | 1/23/2018 9:41:00 PM |
| Methylene chloride — | 0.94 | 0.52 | | ug/m3 | 1 | 1/23/2018 9:41:00 PM |
| o-Xylene — | 0.65 | 0.65 | | ug/m3 | 1 | 1/23/2018 9:41:00 PM |
| Propylene | < 0.26 | 0.26 | | ug/m3 | 1 | 1/23/2018 9:41:00 PM |
| Styrene — | 1.4 | 0.64 | | ug/m3 | 1 | 1/23/2018 9:41:00 PM |
| Tetrachloroethylene | < 1.0 | 1.0 | | ug/m3 | 1 | 1/23/2018 9:41:00 PM |
| Tetrahydrofuran | < 0.44 | 0.44 | | ug/m3 | 1 | 1/23/2018 9:41:00 PM |
| Toluene — | 16 | 5.7 | | ug/m3 | 10 | 1/24/2018 4:03:00 AM |
| trans-1,2-Dichloroethene | < 0.59 | 0.59 | | ug/m3 | 1 | 1/23/2018 9:41:00 PM |
| trans-1,3-Dichloropropene | < 0.68 | 0.68 | | ug/m3 | 1 | 1/23/2018 9:41:00 PM |
| Trichloroethene — | 0.21 | 0.16 | | ug/m3 | 1 | 1/23/2018 9:41:00 PM |
| Vinyl acetate | < 0.53 | 0.53 | | ug/m3 | 1 | 1/23/2018 9:41:00 PM |
| Vinyl Bromide | < 0.66 | 0.66 | | ug/m3 | 1 | 1/23/2018 9:41:00 PM |
| Vinyl chloride | < 0.10 | 0.10 | | ug/m3 | 1 | 1/23/2018 9:41:00 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

Page 12 of 12

Date: 12-Feb-18



CENTEK LABORATORIES, LLC

QC SUMMARY REPORT SURROGATE RECOVERIES

CLIENT: LaBella Associates, P.C.

Work Order: C1801059

Project: 300 Commerce BCP

Test No: TO-15

Matrix: A

| Sample ID | BR4FBZ | | | | | | |
|-------------------|--------|--|--|--|--|--|--|
| ALCSIUG-012318 | 109 | | | | | | |
| ALCSIUG-012418 | 106 | | | | | | |
| ALCSIUGD-012318 | 108 | | | | | | |
| AMBIUG-012318 | 77.0 | | | | | | |
| AMBIUG-012418 | 74.0 | | | | | | |
| C1801059-001A ✓ | 85.0 | | | | | | |
| C1801059-001A MS | 125 | | | | | | |
| C1801059-001A MSD | 136 * | | | | | | |
| C1801059-002A ✓ | 115 | | | | | | |
| C1801059-003A ✓ | 107 | | | | | | |
| C1801059-004A ✓ | 115 | | | | | | |
| C1801059-005A ✓ | 90.0 | | | | | | |
| C1801059-006A ✓ | 112 | | | | | | |

| Acronym | Surrogate | QC Limits |
|---------|----------------------|-----------------------------|
| BR4FBZ | = Bromofluorobenzene | 70-130 80-120 |

* Surrogate recovery outside acceptance limits

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

Tune File : C:\HPCHEM\1\DATA\AP012304.D
Tune Time : 23 Jan 2018 1:19 pm

Daily Calibration File : C:\HPCHEM\1\DATA\AP012304.D

CCV 1/23/18 AP012304 (BFB)

10.6 12.83 17.56

86197 338867 273494
(IS1) (IS2) (IS3)
61569 242048 195353
36941 145229 117212

| File | Sample | DL | Surrogate Recovery % | Internal | Standard Responses |
|------------|-------------------|-----|----------------------|----------|--------------------|
| AP012305.D | ALCS1UG-012318 | 109 | | 66130 | 262928 209680 |
| AP012306.D | AMB1UG-012318 | 77 | | 58349 | 226246 163681 |
| AP012307.D | C1801059-001A | 85 | 10.6 12.83 17.57 | 58423 | 232526 179447 |
| AP012308.D | C1801059-001A MS | 125 | | 62755 | 255610 214065 |
| AP012309.D | C1801059-001A MSD | 136 | | 65221 | 257568 214279 |
| AP012310.D | C1801059-002A | 115 | 10.6 12.83 17.56 | 61169 | 253166 201981 |
| AP012311.D | C1801059-003A | 107 | 10.6 12.83 17.56 | 60766 | 243822 202756 |
| AP012312.D | C1801059-004A | 115 | 10.6 12.83 17.56 | 60619 | 247599 215464 |
| AP012313.D | C1801059-005A | 90 | 10.6 12.83 17.57 | 59237 | 222419 171936 |
| AP012314.D | C1801059-006A | 112 | 10.6 12.83 17.56 | 58361 | 240370 190476 |
| AP012316.D | C1801059-001A 9X | 98 | 10.6 12.83 17.56 | 57381 | 217134 158357 |
| AP012317.D | C1801059-001A 90X | 76 | 10.6 12.83 17.56 | 53749 | 202996 138372 |
| AP012318.D | C1801059-002A 9X | 80 | 10.6 12.82 17.56 | 55298 | 212474 153943 |
| AP012319.D | C1801059-002A 90X | 76 | 10.6 12.82 17.56 | 51964 | 199622 137127 |
| AP012320.D | C1801059-003A 9X | 79 | 10.6 12.82 17.56 | 54761 | 216898 156826 |
| AP012321.D | C1801059-003A 90X | 90 | 10.6 12.83 17.56 | 54813 | 209042 141152 |
| AP012322.D | C1801059-004A 10X | 79 | 10.6 12.82 17.56 | 53504 | 205394 141466 |
| AP012323.D | C1801059-005A 10X | 74 | 10.6 12.83 17.56 | 53040 | 200508 135446 |
| AP012324.D | C1801059-006A 10X | 81 | 10.6 12.83 17.56 | 54892 | 208049 142848 |
| AP012326.D | ALCS1UGD-012318 | 108 | | 57609 | 219763 175684 |

t - fails 24hr time check * - fails criteria

Created: Mon Feb 12 09:29:24 2018 MSD #1/

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

Tune File : C:\HPCHEM\1\DATA\AP012403.D
Tune Time : 24 Jan 2018 8:57 am

Daily Calibration File : C:\HPCHEM\1\DATA\AP012403.D

CCV 1/24/19 0857 (BFB) 10.6 12.83 17.56 (IS1) (IS2) (IS3)
57669 230444 176593

| File | Sample | DL | Surrogate | Recovery % | Internal Standard Responses | | |
|------------|--------------------|-----|-----------|-------------|-----------------------------|--------|--------|
| AP012404.D | ALCS1UG-012418 | 106 | | | 55550 | 221976 | 174698 |
| AP012405.D | AMB1UG-012418 | 74 | | | 54650 | 206952 | 151769 |
| AP012406.D | C1801059-003A 810X | 75 | 10.6 | 12.82 17.56 | 54276 | 201612 | 142792 |
| AP012407.D | C1801059-004A 810X | 73 | 10.6 | 12.83 17.56 | 54277 | 200061 | 141236 |
| AP012408.D | C1801059-006A 810X | 73 | 10.6 | 12.83 17.56 | 49752 | 186319 | 135553 |

t - fails 24hr time check * - fails criteria

Created: Mon Feb 12 09:31:44 2018 MSD #1/

Date: 12-Feb-18

CENTEK LABORATORIES, LLC

ANALYTICAL QC SUMMARY REPORT

CLIENT: LaBella Associates, P.C.
 Work Order: C1801059
 Project: 300 Commerce BCP

TestCode: 0.20_NYS

| Sample ID: ALCS1UG-012318 | Sample Type: LCS | TestCode: 0.20_NYS | Units: ppbv | Prep Date: | RunNo: 13187 | | | | | | |
|---------------------------|------------------|--------------------|-------------|--------------------------|---------------|----------|-----------|-------------|------|----------|------|
| Client ID: ZZZZZ | Batch ID: R13187 | TestNo: T0-15 | | Analysis Date: 1/23/2018 | SeqNo: 153170 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| 1,1,1-Trichloroethane | 0.9000 | 0.15 | 1 | 0 | 90.0 | 70 | 130 | | | | |
| 1,1,2,2-Tetrachloroethane | 1.170 | 0.15 | 1 | 0 | 117 | 70 | 130 | | | | |
| 1,1,2-Trichloroethane | 1.050 | 0.15 | 1 | 0 | 105 | 70 | 130 | | | | |
| 1,1-Dichloroethane | 1.000 | 0.15 | 1 | 0 | 100 | 70 | 130 | | | | |
| 1,1-Dichloroethene | 0.7200 | 0.040 | 1 | 0 | 72.0 | 70 | 130 | | | | |
| 1,2,4-Trichlorobenzene | 1.110 | 0.15 | 1 | 0 | 111 | 70 | 130 | | | | |
| 1,2,4-Trimethylbenzene | 1.100 | 0.15 | 1 | 0 | 110 | 70 | 130 | | | | |
| 1,2-Dibromoethane | 1.090 | 0.15 | 1 | 0 | 109 | 70 | 130 | | | | |
| 1,2-Dichlorobenzene | 1.120 | 0.15 | 1 | 0 | 112 | 70 | 130 | | | | |
| 1,2-Dichloroethane | 0.9400 | 0.15 | 1 | 0 | 94.0 | 70 | 130 | | | | |
| 1,2-Dichloropropane | 1.120 | 0.15 | 1 | 0 | 112 | 70 | 130 | | | | |
| 1,3,5-Trimethylbenzene | 1.190 | 0.15 | 1 | 0 | 119 | 70 | 130 | | | | |
| 1,3-butadiene | 0.9000 | 0.15 | 1 | 0 | 90.0 | 70 | 130 | | | | |
| 1,3-Dichlorobenzene | 1.080 | 0.15 | 1 | 0 | 108 | 70 | 130 | | | | |
| 1,4-Dichlorobenzene | 1.120 | 0.15 | 1 | 0 | 112 | 70 | 130 | | | | |
| 1,4-Dioxane | 1.100 | 0.30 | 1 | 0 | 110 | 70 | 130 | | | | |
| 2,2,4-trimethylpentane | 1.120 | 0.15 | 1 | 0 | 112 | 70 | 130 | | | | |
| 4-ethyltoluene | 1.110 | 0.15 | 1 | 0 | 111 | 70 | 130 | | | | |
| Acetone | 1.040 | 0.30 | 1 | 0 | 104 | 70 | 130 | | | | |
| Allyl chloride | 1.000 | 0.15 | 1 | 0 | 100 | 70 | 130 | | | | |
| Benzene | 1.050 | 0.15 | 1 | 0 | 105 | 70 | 130 | | | | |
| Benzyl chloride | 1.070 | 0.15 | 1 | 0 | 107 | 70 | 130 | | | | |
| Bromodichloromethane | 0.9400 | 0.15 | 1 | 0 | 94.0 | 70 | 130 | | | | |
| Bromoform | 0.9600 | 0.15 | 1 | 0 | 96.0 | 70 | 130 | | | | |
| Bromomethane | 0.8400 | 0.15 | 1 | 0 | 84.0 | 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

Page 1 of 5

CLIENT: LaBella Associates, P.C.
 Work Order: C1801059
 Project: 300 Commerce BCP

TestCode: 0.20_NYS

| Sample ID: ALCS1UG-012318 | Sample Type: LCS | TestCode: 0.20_NYS | Units: ppbv | Prep Date: | RunNo: 13187 | | | | | | |
|---------------------------|------------------|--------------------|-------------|--------------------------|---------------|----------|-----------|-------------|------|----------|------|
| Client ID: ZZZZZ | Batch ID: R13187 | TestNo: TO-15 | | Analysis Date: 1/23/2018 | SeqNo: 153170 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Carbon disulfide | 1.320 | 0.15 | 1 | 0 | 132 ✓ | 70 | 130 | 130/135 | | | S |
| Carbon tetrachloride | 0.7900 | 0.030 | 1 | 0 | 79.0 | 70 | 130 | | | | |
| Chlorobenzene | 1.070 | 0.15 | 1 | 0 | 107 | 70 | 130 | | | | |
| Chloroethane | 0.8700 | 0.15 | 1 | 0 | 87.0 | 70 | 130 | | | | |
| Chloroform | 0.9300 | 0.15 | 1 | 0 | 93.0 | 70 | 130 | | | | |
| Chloromethane | 0.8700 | 0.15 | 1 | 0 | 87.0 | 70 | 130 | | | | |
| cis-1,2-Dichloroethene | 0.9300 | 0.040 | 1 | 0 | 93.0 | 70 | 130 | | | | |
| cis-1,3-Dichloropropene | 1.050 | 0.15 | 1 | 0 | 105 | 70 | 130 | | | | |
| Cyclohexane | 1.130 | 0.15 | 1 | 0 | 113 | 70 | 130 | | | | |
| Dibromochloromethane | 0.9600 | 0.15 | 1 | 0 | 96.0 | 70 | 130 | | | | |
| Ethyl acetate | 1.110 | 0.15 | 1 | 0 | 111 | 70 | 130 | | | | |
| Ethylbenzene | 1.080 | 0.15 | 1 | 0 | 108 | 70 | 130 | | | | |
| Freon 11 | 0.8400 | 0.15 | 1 | 0 | 84.0 | 70 | 130 | | | | |
| Freon 113 | 0.8700 | 0.15 | 1 | 0 | 87.0 | 70 | 130 | | | | |
| Freon 114 | 0.8900 | 0.15 | 1 | 0 | 89.0 | 70 | 130 | | | | |
| Freon 12 | 0.9200 | 0.15 | 1 | 0 | 92.0 | 70 | 130 | | | | |
| Heptane | 1.120 | 0.15 | 1 | 0 | 112 | 70 | 130 | | | | |
| Hexachloro-1,3-butadiene | 1.000 | 0.15 | 1 | 0 | 100 | 70 | 130 | | | | |
| Hexane | 1.150 | 0.15 | 1 | 0 | 115 | 70 | 130 | | | | |
| Isopropyl alcohol | 0.8800 | 0.15 | 1 | 0 | 88.0 | 70 | 130 | | | | |
| m,p-Xylene | 2.320 | 0.30 | 2 | 0 | 116 | 70 | 130 | | | | |
| Methyl Butyl Ketone | 1.010 | 0.30 | 1 | 0 | 101 | 70 | 130 | | | | |
| Methyl Ethyl Ketone | 1.100 | 0.30 | 1 | 0 | 110 | 70 | 130 | | | | |
| Methyl Isobutyl Ketone | 1.110 | 0.30 | 1 | 0 | 111 | 70 | 130 | | | | |
| Methyl tert-butyl ether | 0.9800 | 0.15 | 1 | 0 | 98.0 | 70 | 130 | | | | |
| Methylene chloride | 0.9800 | 0.15 | 1 | 0 | 98.0 | 70 | 130 | | | | |
| o-Xylene | 1.180 | 0.15 | 1 | 0 | 118 | 70 | 130 | | | | |
| Propylene | 1.180 | 0.15 | 1 | 0 | 118 | 70 | 130 | | | | |
| Styrene | 1.120 | 0.15 | 1 | 0 | 112 | 70 | 130 | | | | |
| Tetrachloroethylene | 0.9900 | 0.15 | 1 | 0 | 99.0 | 70 | 130 | | | | |
| Tetrahydrofuran | 1.110 | 0.15 | 1 | 0 | 111 | 70 | 130 | | | | |

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

CLIENT: LaBella Associates, P.C.
 Work Order: C1801059
 Project: 300 Commerce BCP

TestCode: 0.20_NYS

| | | | | | | | | | | | |
|---------------------------|------------------|--------------------|-------------|--------------------------|---------------|----------|-----------|-------------|------|----------|------|
| Sample ID: ALCS1UG-012318 | SampleType: LCS | TestCode: 0.20_NYS | Units: ppbV | Prep Date: | RunNo: 13187 | | | | | | |
| Client ID: ZZZZZ | Batch ID: R13187 | TestNo: TO-15 | | Analysis Date: 1/23/2018 | SeqNo: 153170 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Toluene | 1.100 | 0.15 | 1 | 0 | 110 | 70 | 130 | | | | |
| trans-1,2-Dichloroethene | 1.090 | 0.15 | 1 | 0 | 109 | 70 | 130 | | | | |
| trans-1,3-Dichloropropene | 1.000 | 0.15 | 1 | 0 | 100 | 70 | 130 | | | | |
| Trichloroethene | 0.8700 | 0.030 | 1 | 0 | 87.0 | 70 | 130 | | | | |
| Vinyl acetate | 1.060 | 0.15 | 1 | 0 | 106 | 70 | 130 | | | | |
| Vinyl Bromide | 0.8900 | 0.15 | 1 | 0 | 89.0 | 70 | 130 | | | | |
| Vinyl chloride | 0.8400 | 0.040 | 1 | 0 | 84.0 | 70 | 130 | | | | |

| | | | | | | | | | | | |
|---------------------------|------------------|--------------------|-------------|--------------------------|---------------|----------|-----------|-------------|------|----------|------|
| Sample ID: ALCS1UG-012418 | SampleType: LCS | TestCode: 0.20_NYS | Units: ppbV | Prep Date: | RunNo: 13189 | | | | | | |
| Client ID: ZZZZZ | Batch ID: R13189 | TestNo: TO-15 | | Analysis Date: 1/24/2018 | SeqNo: 153195 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

| Sample ID: ALCS1UG-012418 | Sample Type: LCS | TestCode: 0.20_NYS | Units: ppbv | Prep Date: | RunNo: 13189 | | | | | | |
|---------------------------|------------------|--------------------|-------------|--------------------------|---------------|----------|-----------|-------------|------|----------|------|
| Client ID: ZZZZZ | Batch ID: R13189 | TestNo: TO-15 | | Analysis Date: 1/24/2018 | SeqNo: 153195 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| 1,1,1-Trichloroethane | 0.9900 | 0.15 | 1 | 0 | 99.0 | 70 | 130 | | | | |
| 1,1,2,2-Tetrachloroethane | 1.300 | 0.15 | 1 | 0 | 130 | 70 | 130 | | | | |
| 1,1,2-Trichloroethane | 1.170 | 0.15 | 1 | 0 | 117 | 70 | 130 | | | | |
| 1,1-Dichloroethane | 1.130 | 0.15 | 1 | 0 | 113 | 70 | 130 | | | | |
| 1,1-Dichloroethene | 0.9200 | 0.040 | 1 | 0 | 92.0 | 70 | 130 | | | | |
| 1,2,4-Trichlorobenzene | 0.9600 | 0.15 | 1 | 0 | 96.0 | 70 | 130 | | | | |
| 1,2,4-Trimethylbenzene | 1.060 | 0.15 | 1 | 0 | 106 | 70 | 130 | | | | |
| 1,2-Dibromobenzene | 1.170 | 0.15 | 1 | 0 | 117 | 70 | 130 | | | | |
| 1,2-Dichlorobenzene | 1.160 | 0.15 | 1 | 0 | 116 | 70 | 130 | | | | |
| 1,2-Dichloroethane | 1.010 | 0.15 | 1 | 0 | 101 | 70 | 130 | | | | |
| 1,2-Dichloropropane | 1.230 | 0.15 | 1 | 0 | 123 | 70 | 130 | | | | |
| 1,3,5-Trimethylbenzene | 1.250 | 0.15 | 1 | 0 | 125 | 70 | 130 | | | | |
| 1,3-butadiene | 1.100 | 0.15 | 1 | 0 | 110 | 70 | 130 | | | | |
| 1,3-Dichlorobenzene | 1.140 | 0.15 | 1 | 0 | 114 | 70 | 130 | | | | |
| 1,4-Dichlorobenzene | 1.160 | 0.15 | 1 | 0 | 116 | 70 | 130 | | | | |
| 1,4-Dioxane | 0.8700 | 0.30 | 1 | 0 | 87.0 | 70 | 130 | | | | |
| 2,2,4-trimethylpentane | 1.230 | 0.15 | 1 | 0 | 123 | 70 | 130 | | | | |
| 4-ethyltoluene | 1.150 | 0.15 | 1 | 0 | 115 | 70 | 130 | | | | |

Qualifiers: J Results reported are not blank corrected
 S Analyte detected below quantitation limit
 ND 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: C1801059
 Project: 300 Commerce BCP

TestCode: 0.20_NYS

| Sample ID: ALCS1UG-012418 | SampType: LCS | TestCode: 0.20_NYS | Units: ppbV | Prep Date: | RunNo: 13189 | | | | | | |
|---------------------------|------------------|--------------------|-------------|--------------------------|---------------|----------|-----------|-------------|------|----------|------|
| Client ID: ZZZZZ | Batch ID: R13189 | TestNo: TO-15 | | Analysis Date: 1/24/2018 | SeqNo: 153195 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Acetone | 1.020 | 0.30 | 1 | 0 | 102 | 70 | 130 | | | | |
| Allyl chloride | 1.140 | 0.15 | 1 | 0 | 114 | 70 | 130 | | | | |
| Benzene | 1.140 | 0.15 | 1 | 0 | 114 | 70 | 130 | | | | |
| Benzyl chloride | 1.010 | 0.15 | 1 | 0 | 101 | 70 | 130 | | | | |
| Bromodichloromethane | 1.050 | 0.15 | 1 | 0 | 105 | 70 | 130 | | | | |
| Bromoform | 1.060 | 0.15 | 1 | 0 | 106 | 70 | 130 | | | | |
| Bromomethane | 1.020 | 0.15 | 1 | 0 | 102 | 70 | 130 | | | | |
| Carbon disulfide | 1.400 | 0.15 | 1 | 0 | 140 | 70 | 130 | | | | |
| Carbon tetrachloride | 0.8800 | 0.030 | 1 | 0 | 88.0 | 70 | 130 | | | | S |
| Chlorobenzene | 1.170 | 0.15 | 1 | 0 | 117 | 70 | 130 | | | | |
| Chloroethane | 1.000 | 0.15 | 1 | 0 | 100 | 70 | 130 | | | | |
| Chloroform | 1.060 | 0.15 | 1 | 0 | 106 | 70 | 130 | | | | |
| Chloromethane | 1.150 | 0.15 | 1 | 0 | 115 | 70 | 130 | | | | |
| cis-1,2-Dichloroethene | 1.030 | 0.040 | 1 | 0 | 103 | 70 | 130 | | | | |
| cis-1,3-Dichloropropene | 1.110 | 0.15 | 1 | 0 | 111 | 70 | 130 | | | | |
| Cyclohexane | 1.240 | 0.15 | 1 | 0 | 124 | 70 | 130 | | | | |
| Dibromochloromethane | 1.060 | 0.15 | 1 | 0 | 106 | 70 | 130 | | | | |
| Ethyl acetate | 1.120 | 0.15 | 1 | 0 | 112 | 70 | 130 | | | | |
| Ethylbenzene | 1.160 | 0.15 | 1 | 0 | 116 | 70 | 130 | | | | |
| Freon 11 | 0.9700 | 0.15 | 1 | 0 | 97.0 | 70 | 130 | | | | |
| Freon 113 | 1.030 | 0.15 | 1 | 0 | 103 | 70 | 130 | | | | |
| Freon 114 | 1.100 | 0.15 | 1 | 0 | 110 | 70 | 130 | | | | |
| Freon 12 | 1.080 | 0.15 | 1 | 0 | 108 | 70 | 130 | | | | |
| Heptane | 1.260 | 0.15 | 1 | 0 | 126 | 70 | 130 | | | | |
| Hexachloro-1,3-butadiene | 0.9600 | 0.15 | 1 | 0 | 96.0 | 70 | 130 | | | | |
| Hexane | 1.420 | 0.15 | 1 | 0 | 142 | 70 | 130 | | | | S |
| Isopropyl alcohol | 0.9100 | 0.15 | 1 | 0 | 91.0 | 70 | 130 | | | | |
| m,p-Xylene | 2.460 | 0.30 | 2 | 0 | 123 | 70 | 130 | | | | |
| Methyl Butyl Ketone | 1.120 | 0.30 | 1 | 0 | 112 | 70 | 130 | | | | |
| Methyl Ethyl Ketone | 1.090 | 0.30 | 1 | 0 | 109 | 70 | 130 | | | | |
| Methyl Isobutyl Ketone | 0.9400 | 0.30 | 1 | 0 | 94.0 | 70 | 130 | | | | |

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

CLIENT: LaBella Associates, P.C.

Work Order: C1801059

Project: 300 Commerce BCP

TestCode: 0.20_NYS

| Sample ID: ALC51UG-012418 | | SampType: LCS | | TestCode: 0.20_NYS | | Units: ppbV | | Prep Date: | | RunNo: 13189 | |
|---------------------------|--------|------------------|-----------|--------------------|------|-------------|-----------|--------------------------|------|---------------|------|
| Client ID: ZZZZZ | | Batch ID: R13189 | | TestNo: TO-15 | | | | Analysis Date: 1/24/2018 | | SeqNo: 153195 | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Methyl tert-butyl ether | 1.030 | 0.15 | 1 | 0 | 103 | 70 | 130 | | | | |
| Methylene chloride | 1.090 | 0.15 | 1 | 0 | 109 | 70 | 130 | | | | |
| o-Xylene | 1.300 | 0.15 | 1 | 0 | 130 | 70 | 130 | | | | |
| Propylene | 1.260 | 0.15 | 1 | 0 | 126 | 70 | 130 | | | | |
| Styrene | 1.200 | 0.15 | 1 | 0 | 120 | 70 | 130 | | | | |
| Tetrachloroethylene | 1.110 | 0.15 | 1 | 0 | 111 | 70 | 130 | | | | |
| Tetrahydrofuran | 1.160 | 0.15 | 1 | 0 | 116 | 70 | 130 | | | | |
| Toluene | 1.230 | 0.15 | 1 | 0 | 123 | 70 | 130 | | | | |
| trans-1,2-Dichloroethene | 1.230 | 0.15 | 1 | 0 | 123 | 70 | 130 | | | | |
| trans-1,3-Dichloropropene | 1.030 | 0.15 | 1 | 0 | 103 | 70 | 130 | | | | |
| Trichloroethene | 0.9600 | 0.030 | 1 | 0 | 96.0 | 70 | 130 | | | | |
| Vinyl acetate | 1.110 | 0.15 | 1 | 0 | 111 | 70 | 130 | | | | |
| Vinyl Bromide | 1.040 | 0.15 | 1 | 0 | 104 | 70 | 130 | | | | |
| Vinyl chloride | 1.050 | 0.040 | 1 | 0 | 105 | 70 | 130 | | | | |

Qualifiers:

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

E Estimated Value above quantitation range
ND Not Detected at the Limit of Detection

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

Date: 12-Feb-18

CENTEK LABORATORIES, LLC

ANALYTICAL QC SUMMARY REPORT

CLIENT: LaBella Associates, P.C.

Work Order: C1801059

Project: 300 Commerce BCP

TestCode: 0.20_NYS

| Sample ID: ALCSTUGD-012318 | Sample Type: LCSD | TestCode: 0.20_NYS | Units: ppbV | Prep Date: | RunNo: 13187 | | | | | | |
|----------------------------|-------------------|--------------------|-------------|--------------------------|---------------|----------|-----------|-------------|------|----------|------|
| Client ID: ZZZZZ | Batch ID: R13187 | TestNo: TO-15 | | Analysis Date: 1/24/2018 | SeqNo: 153171 | | | | | | |
| 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 | 70 | 130 | 0.9 | 11.5 | 30 | |
| 1,1,2,2-Tetrachloroethane | 1.270 | 0.15 | 1 | 0 | 127 | 70 | 130 | 1.17 | 8.20 | 30 | |
| 1,1,2-Trichloroethane | 1.160 | 0.15 | 1 | 0 | 116 | 70 | 130 | 1.05 | 9.95 | 30 | |
| 1,1-Dichloroethane | 1.060 | 0.15 | 1 | 0 | 106 | 70 | 130 | 1 | 5.83 | 30 | |
| 1,1-Dichloroethene | 0.7700 | 0.040 | 1 | 0 | 77.0 | 70 | 130 | 0.72 | 6.71 | 30 | |
| 1,2,4-Trichlorobenzene | 0.8800 | 0.15 | 1 | 0 | 88.0 | 70 | 130 | 1.11 | 23.1 | 30 | |
| 1,2,4-Trimethylbenzene | 1.050 | 0.15 | 1 | 0 | 105 | 70 | 130 | 1.1 | 4.85 | 30 | |
| 1,2-Dibromoethane | 1.190 | 0.15 | 1 | 0 | 119 | 70 | 130 | 1.09 | 8.77 | 30 | |
| 1,2-Dichlorobenzene | 1.150 | 0.15 | 1 | 0 | 115 | 70 | 130 | 1.12 | 2.64 | 30 | |
| 1,2-Dichloroethane | 0.9900 | 0.15 | 1 | 0 | 99.0 | 70 | 130 | 0.94 | 5.18 | 30 | |
| 1,2-Dichloropropane | 1.250 | 0.15 | 1 | 0 | 125 | 70 | 130 | 1.12 | 11.0 | 30 | |
| 1,3,5-Trimethylbenzene | 1.230 | 0.15 | 1 | 0 | 123 | 70 | 130 | 1.19 | 3.31 | 30 | |
| 1,3-butadiene | 0.9200 | 0.15 | 1 | 0 | 92.0 | 70 | 130 | 0.9 | 2.20 | 30 | |
| 1,3-Dichlorobenzene | 1.120 | 0.15 | 1 | 0 | 112 | 70 | 130 | 1.08 | 3.64 | 30 | |
| 1,4-Dichlorobenzene | 1.160 | 0.15 | 1 | 0 | 116 | 70 | 130 | 1.12 | 3.51 | 30 | |
| 1,4-Dioxane | 0.7700 | 0.30 | 1 | 0 | 77.0 | 70 | 130 | 1.1 | 35.3 | 30 | R |
| 2,2,4-trimethylpentane | 1.240 | 0.15 | 1 | 0 | 124 | 70 | 130 | 1.12 | 10.2 | 30 | |
| 4-ethyltoluene | 1.130 | 0.15 | 1 | 0 | 113 | 70 | 130 | 1.11 | 1.79 | 30 | |
| Acetone | 0.9800 | 0.30 | 1 | 0 | 98.0 | 70 | 130 | 1.04 | 5.94 | 30 | |
| Allyl chloride | 1.070 | 0.15 | 1 | 0 | 107 | 70 | 130 | 1 | 6.76 | 30 | |
| Benzene | 1.150 | 0.15 | 1 | 0 | 115 | 70 | 130 | 1.05 | 9.09 | 30 | |
| Benzyl chloride | 1.020 | 0.15 | 1 | 0 | 102 | 70 | 130 | 1.07 | 4.78 | 30 | |
| Bromodichloromethane | 1.060 | 0.15 | 1 | 0 | 106 | 70 | 130 | 0.94 | 12.0 | 30 | |
| Bromoform | 1.060 | 0.15 | 1 | 0 | 106 | 70 | 130 | 0.96 | 9.90 | 30 | |
| Bromomethane | 0.9100 | 0.15 | 1 | 0 | 91.0 | 70 | 130 | 0.84 | 8.00 | 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

Page 1 of 3

CLIENT: LaBella Associates, P.C.
 Work Order: C1801059
 Project: 300 Commerce BCP

TestCode: 0.20_NYS

| Sample ID: ALCS1UGD-012318 | | | | SampType: LCSD | | TestCode: 0.20_NYS | | Units: ppbV | | Prep Date: | | RunNo: 13187 | |
|----------------------------|--------|-------|-----------|------------------|------|--------------------|-----------|-------------|-------|--------------------------|------|---------------|--|
| Client ID: ZZZZZ | | | | Batch ID: R13187 | | TestNo: TO-15 | | | | Analysis Date: 1/24/2018 | | SeqNo: 153171 | |
| Analyte | Result | PQL | SPK value | SPK RefVal | %REC | LowLimit | HighLimit | RPD RefVal | %RPD | RPDLimit | Qual | | |
| Carbon disulfide | 1.310 | 0.15 | 1 | 0 | 131 | 70 | 130 | 1.32 | 0.760 | 30 | S | | |
| Carbon tetrachloride | 0.9000 | 0.030 | 1 | 0 | 90.0 | 70 | 130 | 0.79 | 13.0 | 30 | | | |
| Chlorobenzene | 1.160 | 0.15 | 1 | 0 | 116 | 70 | 130 | 1.07 | 8.07 | 30 | | | |
| Chloroethane | 0.8700 | 0.15 | 1 | 0 | 87.0 | 70 | 130 | 0.87 | 0 | 30 | | | |
| Chloroform | 1.020 | 0.15 | 1 | 0 | 102 | 70 | 130 | 0.93 | 9.23 | 30 | | | |
| Chloromethane | 0.8800 | 0.15 | 1 | 0 | 88.0 | 70 | 130 | 0.87 | 1.14 | 30 | | | |
| cis-1,2-Dichloroethene | 1.020 | 0.040 | 1 | 0 | 102 | 70 | 130 | 0.93 | 9.23 | 30 | | | |
| cis-1,3-Dichloropropene | 1.150 | 0.15 | 1 | 0 | 115 | 70 | 130 | 1.05 | 9.09 | 30 | | | |
| Cyclohexane | 1.270 | 0.15 | 1 | 0 | 127 | 70 | 130 | 1.13 | 11.7 | 30 | | | |
| Dibromochloromethane | 1.070 | 0.15 | 1 | 0 | 107 | 70 | 130 | 0.96 | 10.8 | 30 | | | |
| Ethyl acetate | 1.080 | 0.15 | 1 | 0 | 108 | 70 | 130 | 1.11 | 2.74 | 30 | | | |
| Ethylbenzene | 1.140 | 0.15 | 1 | 0 | 114 | 70 | 130 | 1.08 | 5.41 | 30 | | | |
| Freon 11 | 0.9200 | 0.15 | 1 | 0 | 92.0 | 70 | 130 | 0.84 | 9.08 | 30 | | | |
| Freon 113 | 0.9300 | 0.15 | 1 | 0 | 93.0 | 70 | 130 | 0.87 | 6.67 | 30 | | | |
| Freon 114 | 0.9100 | 0.15 | 1 | 0 | 91.0 | 70 | 130 | 0.89 | 2.22 | 30 | | | |
| Freon 12 | 0.9500 | 0.15 | 1 | 0 | 95.0 | 70 | 130 | 0.92 | 3.21 | 30 | | | |
| Heptane | 1.260 | 0.15 | 1 | 0 | 126 | 70 | 130 | 1.12 | 11.8 | 30 | | | |
| Hexachloro-1,3-butadiene | 0.9100 | 0.15 | 1 | 0 | 91.0 | 70 | 130 | 1 | 9.42 | 30 | | | |
| Hexane | 1.230 | 0.15 | 1 | 0 | 123 | 70 | 130 | 1.15 | 6.72 | 30 | | | |
| isopropyl alcohol | 0.8100 | 0.15 | 1 | 0 | 81.0 | 70 | 130 | 0.88 | 8.28 | 30 | | | |
| m&p-Xylene | 2.490 | 0.30 | 2 | 0 | 124 | 70 | 130 | 2.32 | 7.07 | 30 | | | |
| Methyl Butyl Ketone | 0.5300 | 0.30 | 1 | 0 | 53.0 | 70 | 130 | 1.01 | 62.3 | 30 | SR | | |
| Methyl Ethyl Ketone | 1.010 | 0.30 | 1 | 0 | 101 | 70 | 130 | 1.1 | 8.53 | 30 | | | |
| Methyl Isobutyl Ketone | 0.6800 | 0.30 | 1 | 0 | 68.0 | 70 | 130 | 1.11 | 48.0 | 30 | SR | | |
| Methyl tert-butyl ether | 0.9700 | 0.15 | 1 | 0 | 97.0 | 70 | 130 | 0.98 | 1.03 | 30 | | | |
| Methylene chloride | 1.020 | 0.15 | 1 | 0 | 102 | 70 | 130 | 0.98 | 4.00 | 30 | | | |
| o-Xylene | 1.270 | 0.15 | 1 | 0 | 127 | 70 | 130 | 1.18 | 7.35 | 30 | | | |
| Propylene | 1.130 | 0.15 | 1 | 0 | 113 | 70 | 130 | 1.18 | 4.33 | 30 | | | |
| Styrene | 1.150 | 0.15 | 1 | 0 | 115 | 70 | 130 | 1.12 | 2.64 | 30 | | | |
| Tetrachloroethylene | 1.110 | 0.15 | 1 | 0 | 111 | 70 | 130 | 0.99 | 11.4 | 30 | | | |
| Tetrahydrofuran | 1.100 | 0.15 | 1 | 0 | 110 | 70 | 130 | 1.11 | 0.905 | 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
 I Holding times for preparation or analysis exceeded
 R RPD outside accepted recovery limits

CLIENT: LaBella Associates, P.C.
 Work Order: C1801059
 Project: 300 Commerce BCP

TestCode: 0.20_NYS

| | | | | | | | | | | | |
|----------------------------|-------------------|--------------------|-------------|--------------------------|---------------|----------|-----------|-------------|------|----------|------|
| Sample ID: ALCS1UGD-012318 | Sample Type: LCSD | TestCode: 0.20_NYS | Units: ppbv | Prep Date: | RunNo: 13187 | | | | | | |
| Client ID: ZZZZZ | Batch ID: R13187 | TestNo: TO-15 | | Analysis Date: 1/24/2018 | SeqNo: 153171 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Toluene | 1.190 | 0.15 | 1 | 0 | 119 | 70 | 130 | 1.1 | 7.86 | 30 | |
| trans-1,2-Dichloroethene | 1.190 | 0.15 | 1 | 0 | 119 | 70 | 130 | 1.09 | 8.77 | 30 | |
| trans-1,3-Dichloropropene | 1.100 | 0.15 | 1 | 0 | 110 | 70 | 130 | 1 | 9.52 | 30 | |
| Trichloroethene | 0.9700 | 0.030 | 1 | 0 | 97.0 | 70 | 130 | 0.87 | 10.9 | 30 | |
| Vinyl acetate | 1.110 | 0.15 | 1 | 0 | 111 | 70 | 130 | 1.06 | 4.61 | 30 | |
| Vinyl Bromide | 0.9600 | 0.15 | 1 | 0 | 96.0 | 70 | 130 | 0.89 | 7.57 | 30 | |
| Vinyl chloride | 0.8300 | 0.040 | 1 | 0 | 83.0 | 70 | 130 | 0.84 | 1.20 | 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

Page 3 of 3

Date: 12-Feb-18

CENTEK LABORATORIES, LLC

ANALYTICAL QC SUMMARY REPORT

CLIENT: LaBella Associates, P.C.

Work Order: C1801059

Project: 300 Commerce BCP

TestCode: 0.20_NYS

| | | | | | | | | | | | |
|---------------------------|------------------|--------------------|-------------|--------------------------|---------------|----------|-----------|-------------|------|----------|------|
| Sample ID: AMB1UG-012318 | SampleType: MBLK | TestCode: 0.20_NYS | Units: ppbv | Prep Date: | RunNo: 13187 | | | | | | |
| Client ID: ZZZZZ | Batch ID: R13187 | TestNo: TO-15 | | Analysis Date: 1/23/2018 | SeqNo: 153169 | | | | | | |
| 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: J Results reported are not blank corrected
S Analyte detected below quantitation limit
S Spike Recovery outside accepted recovery limits

E Estimated Value above quantitation range
ND Not Detected at the Limit of Detection

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

CLIENT: LaBella Associates, P.C.
 Work Order: C1801059
 Project: 300 Commerce BCP

TestCode: 0.20_NYS

| Sample ID: AMB1UG-012318 | Sample Type: MBLK | TestCode: 0.20_NYS | Units: ppbV | Prep Date: | RunNo: 13187 | | | | | | |
|--------------------------|-------------------|--------------------|-------------|--------------------------|---------------|----------|-----------|-------------|------|----------|------|
| Client ID: ZZZZZ | Batch ID: R13187 | TestNo: TO-15 | | Analysis Date: 1/23/2018 | SeqNo: 153169 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Carbon disulfide | < 0.15 ✓ | 0.15 | | | | | | | | | |
| Carbon tetrachloride | < 0.030 | 0.030 | | | | | | | | | |
| Chlorobenzene | < 0.15 | 0.15 | | | | | | | | | |
| Chloroethane | < 0.15 | 0.15 | | | | | | | | | |
| Chloroform | < 0.15 | 0.15 | | | | | | | | | |
| Chloromethane | < 0.15 | 0.15 | | | | | | | | | |
| cis-1,2-Dichloroethene | < 0.040 | 0.040 | | | | | | | | | |
| cis-1,3-Dichloropropene | < 0.15 | 0.15 | | | | | | | | | |
| Cyclohexane | < 0.15 | 0.15 | | | | | | | | | |
| Dibromochloromethane | < 0.15 | 0.15 | | | | | | | | | |
| Ethyl acetate | < 0.15 | 0.15 | | | | | | | | | |
| Ethylbenzene | < 0.15 | 0.15 | | | | | | | | | |
| Freon 11 | < 0.15 | 0.15 | | | | | | | | | |
| Freon 113 | < 0.15 | 0.15 | | | | | | | | | |
| Freon 114 | < 0.15 | 0.15 | | | | | | | | | |
| Freon 12 | < 0.15 | 0.15 | | | | | | | | | |
| Heptane | < 0.15 | 0.15 | | | | | | | | | |
| Hexachloro-1,3-butadiene | < 0.15 | 0.15 | | | | | | | | | |
| Hexane | < 0.15 | 0.15 | | | | | | | | | |
| Isopropyl alcohol | < 0.15 | 0.15 | | | | | | | | | |
| m&p-Xylene | < 0.30 | 0.30 | | | | | | | | | |
| Methyl Butyl Ketone | < 0.30 | 0.30 | | | | | | | | | |
| Methyl Ethyl Ketone | < 0.30 | 0.30 | | | | | | | | | |
| Methyl Isobutyl Ketone | < 0.30 | 0.30 | | | | | | | | | |
| Methyl tert-butyl ether | < 0.15 | 0.15 | | | | | | | | | |
| Methylene chloride | < 0.15 | 0.15 | | | | | | | | | |
| o-Xylene | < 0.15 | 0.15 | | | | | | | | | |
| Propylene | < 0.15 | 0.15 | | | | | | | | | |
| Styrene | < 0.15 | 0.15 | | | | | | | | | |
| Tetrachloroethylene | < 0.15 | 0.15 | | | | | | | | | |
| Tetrahydrofuran | < 0.15 | 0.15 | | | | | | | | | |

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

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

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

CLIENT: LaBella Associates, P.C.
 Work Order: C1801059
 Project: 300 Commerce BCP

TestCode: 0.20_NYS

| | | | | | | | | | | | |
|--------------------------|-------------------|--------------------|-------------|--------------------------|---------------|----------|-----------|-------------|------|----------|------|
| Sample ID: AMB1UG-012318 | Sample Type: MBLK | TestCode: 0.20_NYS | Units: ppbV | Prep Date: | RunNo: 13187 | | | | | | |
| Client ID: ZZZZZ | Batch ID: R13187 | TestNo: TO-15 | | Analysis Date: 1/23/2018 | SeqNo: 153169 | | | | | | |
| Analyte | Result / | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

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

| | | | | | | | | | | | |
|--------------------------|-------------------|--------------------|-------------|--------------------------|---------------|----------|-----------|-------------|------|----------|------|
| Sample ID: AMB1UG-012418 | Sample Type: MBLK | TestCode: 0.20_NYS | Units: ppbV | Prep Date: | RunNo: 13189 | | | | | | |
| Client ID: ZZZZZ | Batch ID: R13189 | TestNo: TO-15 | | Analysis Date: 1/24/2018 | SeqNo: 153193 | | | | | | |
| 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-Dichloropropane | < 0.15 | 0.15 | | | | | | | | | |
| 1,3,5-Trimethylbenzene | < 0.15 | 0.15 | | | | | | | | | |
| 1,3-butadiene | < 0.15 | 0.15 | | | | | | | | | |
| 1,3-Dichlorobenzene | < 0.15 | 0.15 | | | | | | | | | |
| 1,4-Dichlorobenzene | < 0.15 | 0.15 | | | | | | | | | |
| 1,4-Dioxane | < 0.30 | 0.30 | | | | | | | | | |
| 2,2,4-Trimethylpentane | < 0.15 | 0.15 | | | | | | | | | |
| 4-ethyltoluene | < 0.15 | 0.15 | | | | | | | | | |

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

CLIENT: LaBella Associates, P.C.

Work Order: C1801059

Project: 300 Commerce BCP

TestCode: 0.20_NYS

| Analyte | Sample ID: AMB1UG-012418 | Sample Type: MBLK | Batch ID: R13189 | TestCode: 0.20_NYS | Units: ppbv | Prep Date: | RunNo: 13189 | SeqNo: 153193 | Analysis Date: 1/24/2018 | Prep Date: | RunNo: 13189 | SeqNo: 153193 |
|--------------------------|--------------------------|-------------------|------------------|--------------------|-------------|------------|--------------|---------------|--------------------------|------------|--------------|---------------|
| | | | | | | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPD Limit | Qual | |
| | | | | | | | | | | | | |
| Acetone | < 0.30 | 0.30 | | | | | | | | | | |
| Allyl chloride | < 0.15 | 0.15 | | | | | | | | | | |
| Benzene | < 0.15 | 0.15 | | | | | | | | | | |
| Benzyl chloride | < 0.15 | 0.15 | | | | | | | | | | |
| Bromodichloromethane | < 0.15 | 0.15 | | | | | | | | | | |
| Bromoform | < 0.15 | 0.15 | | | | | | | | | | |
| Bromomethane | < 0.15 | 0.15 | | | | | | | | | | |
| Carbon disulfide | < 0.15 | 0.15 | | | | | | | | | | |
| Carbon tetrachloride | < 0.030 | 0.030 | | | | | | | | | | |
| Chlorobenzene | < 0.15 | 0.15 | | | | | | | | | | |
| Chloroethane | < 0.15 | 0.15 | | | | | | | | | | |
| Chloroform | < 0.15 | 0.15 | | | | | | | | | | |
| Chloromethane | < 0.15 | 0.15 | | | | | | | | | | |
| cis-1,2-Dichloroethene | < 0.040 | 0.040 | | | | | | | | | | |
| cis-1,3-Dichloropropene | < 0.15 | 0.15 | | | | | | | | | | |
| Cyclohexane | < 0.15 | 0.15 | | | | | | | | | | |
| Dibromochloromethane | < 0.15 | 0.15 | | | | | | | | | | |
| Ethyl acetate | < 0.15 | 0.15 | | | | | | | | | | |
| Ethylbenzene | < 0.15 | 0.15 | | | | | | | | | | |
| Freon 11 | < 0.15 | 0.15 | | | | | | | | | | |
| Freon 113 | < 0.15 | 0.15 | | | | | | | | | | |
| Freon 114 | < 0.15 | 0.15 | | | | | | | | | | |
| Freon 12 | < 0.15 | 0.15 | | | | | | | | | | |
| Heptane | < 0.15 | 0.15 | | | | | | | | | | |
| Hexachloro-1,3-butadiene | < 0.15 | 0.15 | | | | | | | | | | |
| Hexane | < 0.15 | 0.15 | | | | | | | | | | |
| Isopropyl alcohol | < 0.15 | 0.15 | | | | | | | | | | |
| m&p-Xylene | < 0.30 | 0.30 | | | | | | | | | | |
| Methyl Butyl Ketone | < 0.30 | 0.30 | | | | | | | | | | |
| Methyl Ethyl Ketone | < 0.30 | 0.30 | | | | | | | | | | |
| Methyl Isobutyl Ketone | < 0.30 | 0.30 | | | | | | | | | | |

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

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CLIENT: LaBella Associates, P.C.

Work Order: C1801059

Project: 300 Commerce BCP

TestCode: 0.20_NYS

| | | | | | | | | | | | |
|---------------------------|----------|-------------------|-----------|--------------------|------|-------------|-----------|--------------------------|------|---------------|------|
| Sample ID: AMB1UG-012418 | | Sample Type: MBLK | | TestCode: 0.20_NYS | | Units: ppbV | | Prep Date: | | RunNo: 13189 | |
| Client ID: ZZZZZ | | Batch ID: R13189 | | TestNo: TO-15 | | | | Analysis Date: 1/24/2018 | | SeqNo: 153193 | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Methyl tert-butyl ether | < 0.15 ✓ | 0.15 | | | | | | | | | |
| Methylene chloride | < 0.15 | 0.15 | | | | | | | | | |
| o-Xylene | < 0.15 | 0.15 | | | | | | | | | |
| Propylene | < 0.15 | 0.15 | | | | | | | | | |
| Styrene | < 0.15 | 0.15 | | | | | | | | | |
| Tetrachloroethylene | < 0.15 | 0.15 | | | | | | | | | |
| Tetrahydrofuran | < 0.15 | 0.15 | | | | | | | | | |
| Toluene | < 0.15 | 0.15 | | | | | | | | | |
| trans-1,2-Dichloroethene | < 0.15 | 0.15 | | | | | | | | | |
| trans-1,3-Dichloropropane | < 0.15 | 0.15 | | | | | | | | | |
| Trichloroethene | < 0.030 | 0.030 | | | | | | | | | |
| Vinyl acetate | < 0.15 | 0.15 | | | | | | | | | |
| Vinyl Bromide | < 0.15 | 0.15 | | | | | | | | | |
| Vinyl chloride | < 0.040 | 0.040 | | | | | | | | | |

Qualifiers:

- J Results reported are not blank corrected
- K 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

Date: 12-Feb-18

CENTEK LABORATORIES, LLC

ANALYTICAL QC SUMMARY REPORT

CLIENT: LaBella Associates, P.C.

Work Order: C1801059

Project: 300 Commerce BCP

TestCode: 0.20_NYS

| Sample ID: C1801059-001A.MS | SampType: MS | TestCode: 0.20_NYS | Units: ppbV | Prep Date: | RunNo: 13187 | | | | | | |
|-----------------------------|------------------|--------------------|-------------|--------------------------|---------------|----------|-----------|-------------|------|----------|------|
| Client ID: 300-IA-01/MSMSD | Batch ID: R13187 | TestNo: TO-15 | | Analysis Date: 1/23/2018 | SeqNo: 153178 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| 1,1,1-Trichloroethane | 0.8800 | 0.15 | 1 | 0 | 88.0 | 70 | 130 | | | | |
| 1,1,2,2-Tetrachloroethane | 1.010 | 0.15 | 1 | 0 | 101 | 70 | 130 | | | | |
| 1,1,2-Trichloroethane | 1.020 | 0.15 | 1 | 0 | 102 | 70 | 130 | | | | |
| 1,1-Dichloroethane | 1.030 | 0.15 | 1 | 0 | 103 | 70 | 130 | | | | |
| 1,1-Dichloroethene | 0.7900 | 0.040 | 1 | 0 | 79.0 | 70 | 130 | | | | |
| 1,2,4-Trichlorobenzene | 1.390 | 0.15 | 1 | 0 | 139 | 70 | 130 | | | | S |
| 1,2,4-Trimethylbenzene | 1.340 | 0.15 | 1 | 0.14 | 120 | 70 | 130 | | | | |
| 1,2-Dibromoethane | 1.020 | 0.15 | 1 | 0 | 102 | 70 | 130 | | | | |
| 1,2-Dichlorobenzene | 1.030 | 0.15 | 1 | 0 | 103 | 70 | 130 | | | | |
| 1,2-Dichloroethane | 1.000 | 0.15 | 1 | 0 | 100 | 70 | 130 | | | | |
| 1,2-Dichloropropane | 1.090 | 0.15 | 1 | 0 | 109 | 70 | 130 | | | | |
| 1,3,5-Trimethylbenzene | 1.490 | 0.15 | 1 | 0 | 149 | 70 | 130 | | | | S |
| 1,3-butadiene | 1.130 | 0.15 | 1 | 0 | 113 | 70 | 130 | | | | |
| 1,3-Dichlorobenzene | 1.080 | 0.15 | 1 | 0 | 108 | 70 | 130 | | | | |
| 1,4-Dichlorobenzene | 1.020 | 0.15 | 1 | 0 | 102 | 70 | 130 | | | | |
| 1,4-Dioxane | 1.060 | 0.30 | 1 | 0 | 106 | 70 | 130 | | | | |
| 2,2,4-trimethylpentane | 1.130 | 0.15 | 1 | 0 | 113 | 70 | 130 | | | | |
| 4-ethyltoluene | 1.120 | 0.15 | 1 | 0 | 112 | 70 | 130 | | | | |
| Acetone | 16.31 | 0.30 | 1 | 17.66 | -135 | 70 | 130 | | | | S |
| Allyl chloride | 1.110 | 0.15 | 1 | 0 | 111 | 70 | 130 | | | | |
| Benzene | 1.350 | 0.15 | 1 | 0.28 | 107 | 70 | 130 | | | | |
| Benzyl chloride | 0.9900 | 0.15 | 1 | 0 | 99.0 | 70 | 130 | | | | |
| Bromodichloromethane | 0.9300 | 0.15 | 1 | 0 | 93.0 | 70 | 130 | | | | |
| Bromoform | 0.8300 | 0.15 | 1 | 0 | 83.0 | 70 | 130 | | | | |
| Bromomethane | 0.8700 | 0.15 | 1 | 0 | 87.0 | 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

Page 1 of 5

CLIENT: LaBella Associates, P.C.
 Work Order: C1801059
 Project: 300 Commerce BCP

TestCode: 0.20_NYS

| Sample ID: C1801059-001A MS | | Sample Type: MS | TestCode: 0.20_NYS | | Units: ppbV | Prep Date: | | RunNo: 13187 | |
|-----------------------------|--------|------------------|--------------------|-------------|-------------|--------------------------|-----------|---------------|----------|
| Client ID: 300-1A-01/MSMSD | | Batch ID: R13187 | TestNo: TO-15 | | | Analysis Date: 1/23/2018 | | SeqNo: 153178 | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | RPDLimit |
| Carbon disulfide | 1.260 | 0.15 | 1 | 0 | 126 | 70 | 130 | | |
| Carbon tetrachloride | 0.8400 | 0.030 | 1 | 0.07 | 77.0 | 70 | 130 | | |
| Chlorobenzene | 1.010 | 0.15 | 1 | 0 | 101 | 70 | 130 | | |
| Chloroethane | 0.8700 | 0.15 | 1 | 0 | 87.0 | 70 | 130 | | |
| Chloroform | 1.000 | 0.15 | 1 | 0 | 100 | 70 | 130 | | |
| Chloromethane | 1.540 | 0.15 | 1 | 0.48 | 106 | 70 | 130 | | |
| cis-1,2-Dichloroethene | 0.9700 | 0.040 | 1 | 0 | 97.0 | 70 | 130 | | |
| cis-1,3-Dichloropropane | 1.010 | 0.15 | 1 | 0 | 101 | 70 | 130 | | |
| Cyclohexane | 1.890 | 0.15 | 1 | 0.8 | 109 | 70 | 130 | | |
| Dibromochloromethane | 0.8900 | 0.15 | 1 | 0 | 89.0 | 70 | 130 | | |
| Ethyl acetate | 1.430 | 0.15 | 1 | 0.48 | 95.0 | 70 | 130 | | |
| Ethylbenzene | 1.100 | 0.15 | 1 | 0 | 110 | 70 | 130 | | |
| Freon 11 | 1.000 | 0.15 | 1 | 0.2 | 80.0 | 70 | 130 | | |
| Freon 113 | 0.9100 | 0.15 | 1 | 0 | 91.0 | 70 | 130 | | |
| Freon 114 | 0.8700 | 0.15 | 1 | 0 | 87.0 | 70 | 130 | | |
| Freon 12 | 1.230 | 0.15 | 1 | 0.47 | 76.0 | 70 | 130 | | |
| Heptane | 1.370 | 0.15 | 1 | 0.15 | 122 | 70 | 130 | | |
| Hexachloro-1,3-butadiene | 0.9800 | 0.15 | 1 | 0 | 98.0 | 70 | 130 | | |
| Hexane | 1.400 | 0.15 | 1 | 0.22 | 118 | 70 | 130 | | S |
| Isopropyl alcohol | 92.54 | 0.15 | 1 | 108.4 | -1590 | 70 | 130 | | |
| m&p-Xylene | 2.280 | 0.30 | 2 | 0.15 | 106 | 70 | 130 | | |
| Methyl Butyl Ketone | 0.8900 | 0.30 | 1 | 0 | 89.0 | 70 | 130 | | |
| Methyl Ethyl Ketone | 1.510 | 0.30 | 1 | 0.72 | 89.0 | 70 | 130 | | |
| Methyl Isobutyl Ketone | 1.020 | 0.30 | 1 | 0 | 102 | 70 | 130 | | |
| Methyl tert-butyl ether | 0.9200 | 0.15 | 1 | 0 | 92.0 | 70 | 130 | | |
| Methylene chloride | 2.780 | 0.15 | 1 | 1.12 | 156 | 70 | 130 | | S |
| o-Xylene | 1.110 | 0.15 | 1 | 0 | 111 | 70 | 130 | | |
| Propylene | 2.390 | 0.15 | 1 | 0 | 239 | 70 | 130 | | S |
| Styrene | 1.150 | 0.15 | 1 | 0.1 | 105 | 70 | 130 | | |
| Tetrachloroethylene | 0.9800 | 0.15 | 1 | 0 | 98.0 | 70 | 130 | | |
| Tetrahydrofuran | 1.080 | 0.15 | 1 | 0 | 108 | 70 | 130 | | |

Qualifiers: 1 Results reported are not blank corrected E Estimated Value above quantitation range J1 Holding times for preparation or analysis exceeded

ND Not Detected at the Limit of Detection R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits

Page 2 of 5

CLIENT: LaBella Associates, P.C.
 Work Order: C1801059
 Project: 300 Commerce BCP

TestCode: 0.20_NYS

| | | | | | | | | | | | |
|-----------------------------|------------------|--------------------|-------------|--------------------------|---------------|----------|-----------|-------------|------|----------|------|
| Sample ID: C1801059-001A MS | SampType: MS | TestCode: 0.20_NYS | Units: ppbV | Prep Date: | RunNo: 13187 | | | | | | |
| Client ID: 300-JA-01/MSMSD | Batch ID: R13187 | TestNo: TO-15 | | Analysis Date: 1/23/2018 | SeqNo: 153178 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

| | | | | | | | | | | | |
|---------------------------|--------|-------|---|------|------|----|-----|--|--|--|--|
| Toluene | 2.490 | 0.15 | 1 | 1.39 | 110 | 70 | 130 | | | | |
| trans-1,2-Dichloroethene | 1.120 | 0.15 | 1 | 0 | 112 | 70 | 130 | | | | |
| trans-1,3-Dichloropropene | 0.9800 | 0.15 | 1 | 0 | 98.0 | 70 | 130 | | | | |
| Trichloroethene | 0.9000 | 0.030 | 1 | 0 | 90.0 | 70 | 130 | | | | |
| Vinyl acetate | 1.070 | 0.15 | 1 | 0 | 107 | 70 | 130 | | | | |
| Vinyl Bromide | 0.9300 | 0.15 | 1 | 0 | 93.0 | 70 | 130 | | | | |
| Vinyl chloride | 0.8300 | 0.040 | 1 | 0 | 83.0 | 70 | 130 | | | | |

| | | | | | | | | | | | |
|-----------------------------|------------------|--------------------|-------------|--------------------------|---------------|----------|-----------|-------------|------|----------|------|
| Sample ID: C1801059-001A MS | SampType: MSD | TestCode: 0.20_NYS | Units: ppbV | Prep Date: | RunNo: 13187 | | | | | | |
| Client ID: 300-JA-01/MSMSD | Batch ID: R13187 | TestNo: TO-15 | | Analysis Date: 1/23/2018 | SeqNo: 153179 | | | | | | |
| Analyte: | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

| | | | | | | | | | | | |
|---------------------------|--------|-------|---|------|------|----|-----|------|-------|----|---|
| 1,1,1-Trichloroethane | 0.8900 | 0.15 | 1 | 0 | 89.0 | 70 | 130 | 0.88 | 1.13 | 30 | |
| 1,1,2,2-Tetrachloroethane | 1.040 | 0.15 | 1 | 0 | 104 | 70 | 130 | 1.01 | 2.93 | 30 | |
| 1,1,2-Trichloroethane | 0.9900 | 0.15 | 1 | 0 | 99.0 | 70 | 130 | 1.02 | 2.99 | 30 | |
| 1,1-Dichloroethane | 1.010 | 0.15 | 1 | 0 | 101 | 70 | 130 | 1.03 | 1.96 | 30 | |
| 1,1-Dichloroethene | 0.8200 | 0.040 | 1 | 0 | 82.0 | 70 | 130 | 0.79 | 3.73 | 30 | |
| 1,2,4-Trichlorobenzene | 1.320 | 0.15 | 1 | 0 | 132 | 70 | 130 | 1.39 | 5.17 | 30 | S |
| 1,2,4-Trimethylbenzene | 1.290 | 0.15 | 1 | 0.14 | 115 | 70 | 130 | 1.34 | 3.80 | 30 | |
| 1,2-Dibromoethane | 1.010 | 0.15 | 1 | 0 | 101 | 70 | 130 | 1.02 | 0.985 | 30 | |
| 1,2-Dichlorobenzene | 1.080 | 0.15 | 1 | 0 | 108 | 70 | 130 | 1.03 | 4.74 | 30 | |
| 1,2-Dichloroethane | 0.9500 | 0.15 | 1 | 0 | 95.0 | 70 | 130 | 1 | 5.13 | 30 | |
| 1,2-Dichloropropane | 1.070 | 0.15 | 1 | 0 | 107 | 70 | 130 | 1.09 | 1.85 | 30 | |
| 1,3,5-Trimethylbenzene | 1.380 | 0.15 | 1 | 0 | 138 | 70 | 130 | 1.49 | 7.67 | 30 | S |
| 1,3-butadiene | 1.030 | 0.15 | 1 | 0 | 103 | 70 | 130 | 1.13 | 9.26 | 30 | |
| 1,3-Dichlorobenzene | 1.100 | 0.15 | 1 | 0 | 110 | 70 | 130 | 1.08 | 1.83 | 30 | |
| 1,4-Dichlorobenzene | 1.050 | 0.15 | 1 | 0 | 105 | 70 | 130 | 1.02 | 2.90 | 30 | |
| 1,4-Dioxane | 1.010 | 0.30 | 1 | 0 | 101 | 70 | 130 | 1.06 | 4.83 | 30 | |
| 2,2,4-Trimethylpentane | 1.130 | 0.15 | 1 | 0 | 113 | 70 | 130 | 1.13 | 0 | 30 | |
| 4-ethyltoluene | 1.140 | 0.15 | 1 | 0 | 114 | 70 | 130 | 1.12 | 1.77 | 30 | |

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

CLIENT: LaBella Associates, P.C.

Work Order: C1801059

Project: 300 Commerce BCP

TestCode: 0.20_NYS

| Sample ID: C1801059-001A MS | Sample Type: MSD | TestCode: 0.20_NYS | Units: ppbV | Prep Date: | RunNo: 13187 | | | | | | |
|-----------------------------|------------------|--------------------|-------------|--------------------------|---------------|----------|-----------|-------------|-------|----------|------|
| Client ID: 300-1A-01/MSMSD | Batch ID: R13187 | TestNo: TO-15 | | Analysis Date: 1/23/2018 | SeqNo: 153179 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Acetone | 12.32 ✓ | 0.30 | 1 ✓ | 17.86 | -534 ✓ | 70 | 130 | 16.31 | 27.9 | 30 | S |
| Allyl chloride | 1.100 | 0.15 | 1 | 0 | 110 | 70 | 130 | 1.11 | 0.905 | 30 | |
| Benzene | 1.290 | 0.15 | 1 | 0.28 | 101 | 70 | 130 | 1.35 | 4.55 | 30 | |
| Benzyl chloride | 1.030 | 0.15 | 1 | 0 | 103 | 70 | 130 | 0.99 | 3.96 | 30 | |
| Bromodichloromethane | 0.9200 | 0.15 | 1 | 0 | 92.0 | 70 | 130 | 0.93 | 1.08 | 30 | |
| Bromoforn | 0.8400 | 0.15 | 1 | 0 | 84.0 | 70 | 130 | 0.83 | 1.20 | 30 | |
| Bromomethane | 0.8700 | 0.15 | 1 | 0 | 87.0 | 70 | 130 | 0.87 | 0 | 30 | |
| Carbon disulfide | 1.250 | 0.15 | 1 | 0 | 125 | 70 | 130 | 1.26 | 0.797 | 30 | |
| Carbon tetrachloride | 0.8200 | 0.030 | 1 | 0.07 | 75.0 | 70 | 130 | 0.84 | 2.41 | 30 | |
| Chlorobenzene | 1.000 | 0.15 | 1 | 0 | 100 | 70 | 130 | 1.01 | 0.995 | 30 | |
| Chloroethane | 0.8700 | 0.15 | 1 | 0 | 87.0 | 70 | 130 | 0.87 | 0 | 30 | |
| Chloroform | 0.9600 | 0.15 | 1 | 0 | 96.0 | 70 | 130 | 1 | 4.08 | 30 | |
| Chloromethane | 1.340 | 0.15 | 1 | 0.48 | 86.0 | 70 | 130 | 1.54 | 13.9 | 30 | |
| cis-1,2-Dichloroethene | 0.9600 | 0.040 | 1 | 0 | 96.0 | 70 | 130 | 0.97 | 1.04 | 30 | |
| cis-1,3-Dichloropropene | 1.000 | 0.15 | 1 | 0 | 100 | 70 | 130 | 1.01 | 0.995 | 30 | |
| Cyclohexane | 1.650 | 0.15 | 1 | 0.8 | 85.0 | 70 | 130 | 1.89 | 13.6 | 30 | |
| Dibromochloromethane | 0.8900 | 0.15 | 1 | 0 | 89.0 | 70 | 130 | 0.89 | 0 | 30 | |
| Ethyl acetate | 1.300 | 0.15 | 1 | 0.48 | 82.0 | 70 | 130 | 1.43 | 9.52 | 30 | |
| Ethylbenzene | 1.080 | 0.15 | 1 | 0 | 108 | 70 | 130 | 1.1 | 1.83 | 30 | |
| Freon 11 | 0.9200 | 0.15 | 1 | 0.2 | 72.0 | 70 | 130 | 1 | 8.33 | 30 | |
| Freon 113 | 0.9100 | 0.15 | 1 | 0 | 91.0 | 70 | 130 | 0.91 | 0 | 30 | |
| Freon 114 | 0.8500 | 0.15 | 1 | 0 | 85.0 | 70 | 130 | 0.87 | 2.33 | 30 | |
| Freon 12 | 1.190 | 0.15 | 1 | 0.47 | 72.0 | 70 | 130 | 1.23 | 3.31 | 30 | |
| Heptane | 1.300 | 0.15 | 1 | 0.15 | 115 | 70 | 130 | 1.37 | 5.24 | 30 | |
| Hexachloro-1,3-butadiene | 0.9800 | 0.15 | 1 | 0 | 98.0 | 70 | 130 | 0.98 | 0 | 30 | |
| Hexane | 1.340 | 0.15 | 1 | 0.22 | 112 | 70 | 130 | 1.4 | 4.38 | 30 | |
| Isopropyl alcohol | 64.40 ✓ | 0.15 | 1 ✓ | 108.4 | -4400 ✓ | 70 | 130 | 92.54 | 35.9 | 30 | SR |
| m&p-Xylene | 2.220 | 0.30 | 2 | 0.15 | 104 | 70 | 130 | 2.28 | 2.67 | 30 | |
| Methyl Butyl Ketone | 0.8600 | 0.30 | 1 | 0 | 86.0 | 70 | 130 | 0.89 | 3.43 | 30 | |
| Methyl Ethyl Ketone | 1.460 | 0.30 | 1 | 0.72 | 74.0 | 70 | 130 | 1.61 | 9.77 | 30 | |
| Methyl Isobutyl Ketone | 0.9600 | 0.30 | 1 | 0 | 96.0 | 70 | 130 | 1.02 | 6.05 | 30 | |

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

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CLIENT: LaBella Associates, P.C.
 Work Order: C1801059
 Project: 300 Commerce BCP

TestCode: 0.20_NYS

| Sample ID: C1801059-001A MS | Sample Type: MSD | TestCode: 0.20_NYS | Units: ppbV | Prep Date: | RunNo: 13187 | | | | | | |
|-----------------------------|------------------|--------------------|-------------|--------------------------|---------------|----------|-----------|-------------|-------|----------|------|
| Client ID: 300-1A-01/MSMSD | Batch ID: R13187 | TestNo: TO-15 | | Analysis Date: 1/23/2018 | SeqNo: 153179 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Methyl tert-butyl ether | 0.8900 | 0.15 | 1 | 0 | 89.0 | 70 | 130 | 0.92 | 3.31 | 30 | |
| Methylene chloride | 3.180 | 0.15 | 1 | 1.12 | 206 | 70 | 130 | 2.78 | 13.4 | 30 | S |
| o-Xylene | 1.100 | 0.15 | 1 | 0 | 110 | 70 | 130 | 1.11 | 0.905 | 30 | |
| Propylene | 2.100 | 0.15 | 1 | 0 | 210 | 70 | 130 | 2.39 | 12.9 | 30 | S |
| Styrene | 1.120 | 0.15 | 1 | 0.1 | 102 | 70 | 130 | 1.15 | 2.64 | 30 | |
| Tetrachloroethylene | 0.9800 | 0.15 | 1 | 0 | 98.0 | 70 | 130 | 0.98 | 0 | 30 | |
| Tetrahydrofuran | 1.050 | 0.15 | 1 | 0 | 105 | 70 | 130 | 1.08 | 2.82 | 30 | |
| Toluene | 2.040 | 0.15 | 1 | 1.39 | 65.0 | 70 | 130 | 2.49 | 19.9 | 30 | S |
| trans-1,2-Dichloroethane | 1.070 | 0.15 | 1 | 0 | 107 | 70 | 130 | 1.12 | 4.57 | 30 | |
| trans-1,3-Dichloropropene | 0.9900 | 0.15 | 1 | 0 | 99.0 | 70 | 130 | 0.98 | 1.02 | 30 | |
| Trichloroethane | 0.8800 | 0.030 | 1 | 0 | 88.0 | 70 | 130 | 0.9 | 2.25 | 30 | |
| Vinyl acetate | 1.080 | 0.15 | 1 | 0 | 108 | 70 | 130 | 1.07 | 0.930 | 30 | |
| Vinyl Bromide | 0.9200 | 0.15 | 1 | 0 | 92.0 | 70 | 130 | 0.93 | 1.08 | 30 | |
| Vinyl chloride | 0.8400 | 0.040 | 1 | 0 | 84.0 | 70 | 130 | 0.83 | 1.20 | 30 | |

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

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APPENDIX G

RAW ANALYTICAL LABORATORY REPORTS



Centek Laboratories TO-15 Package Review CheckList

Client: **LaBella**Project: **300 Commerce**SDG: **C1710061**

| | | <u>YES</u> | <u>NO</u> | <u>NA</u> |
|--------------------|----------------------|-------------------------------------|--------------------------|--------------------------|
| Analytical Results | Present and Complete | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| TIC's Present | Present and Complete | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | Holdin Times Met | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Comments:

| | | | | |
|--------------------|--------------------------|-------------------------------------|--------------------------|-------------------------------------|
| Chain of Custody | Present and Complete | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Surrogate | Present and Complete | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | Recoveries within Limits | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | Sample(s) reanalyzed | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Internal Standards | Present and Complete | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Recovery | Recoveries within Limits | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | Sample(s) reanalyzed | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Comments:

| | | | | |
|--------------------------------|--------------------------|-------------------------------------|-------------------------------------|--------------------------|
| Lab Control Sample (LCS) | Present and Complete | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | Recoveries within Limits | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Lab Control Sample Dupe (LCSD) | Present and Complete | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | Recoveries within Limits | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| MS/MSD | Present and Complete | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | Recoveries within Limits | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

Comments:

*SEE CASE NARRATIVE

| | | | | |
|-----------------|----------------------|-------------------------------------|--------------------------|--------------------------|
| Sample Raw Data | Present and Complete | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | Spectra present | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Comments:

Centek Laboratories TO-15 Package Review CheckList**Client:** LaBella**Project:** 300 Commerce**SDG:** C1710061

| | | <u>YES</u> | <u>NO</u> | <u>NA</u> |
|------------------------------|----------------------------|-------------------------------------|--------------------------|--------------------------|
| <u>Standards Data</u> | | | | |
| Initial Calibration | Present and Complete | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | Calibration meets criteria | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Continuing Calibration | Present and Complete | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | Calibration meets criteria | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Standards Raw Data | Present and Complete | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Comments:

Raw Quality Control Data

| | | | | |
|----------------------|--------------------------------|-------------------------------------|--------------------------|-------------------------------------|
| Tune Criteria Report | Present and Complete | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | MB Results <PQL | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Method Blank Data | Associated results flagged "B" | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| LCS Sample Data | Present and Complete | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LCSD Sample Data | Present and Complete | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| MS/MSD Sample Data | Present and Complete | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Comments:

Logbooks

| | | | |
|----------------------|-------------------------------------|--------------------------|--------------------------|
| Injection Log | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Standards Log | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Can Cleaning Log | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Calculation Sheet | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| IDL's | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Canister Order Form | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Sample Tracking Form | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Additional Comments:

Section Supervisor: Will Doherty Date: 11/22/17

QC Supervisor: [Signature] Date: 11/28/17



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

Jennifer Gillen
LaBella Associates, P.C.
300 State Street, Suite 201
Rochester, NY 14614

Thursday, November 02, 2017

Order No.: C1710061

TEL: (585) 454-6110
FAX (585) 454-3066
RE: 300 Commerce Dr

Dear Jennifer Gillen:

Centek Laboratories, LLC received 5 sample(s) on 10/27/2017 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 silicon 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 damages of equipment.

Turn Around time (TAT)

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

Reporting

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

Payment Terms

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

Rush Turnaround Samples

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

Applicable Surcharges for Rush Turnaround Samples:

Same day TAT = 200%

Next business day TAT by Noon = 150%

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

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

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

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

Fifth business day = Standard

Statement of Confidentiality

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

Limitation on Liability

Centek Laboratories, LLC warrants the test results to be accurate to the methodology and sample type for each sample submitted to Centek Laboratories, LLC. In no event shall Centek Laboratories, LLC be liable for direct, indirect, special, punitive, incidental, exemplary or consequential damages, or any damages whatsoever, even if Centek Laboratories, LLC has been previously advised of the possibility of such damages whether in an action under contract, negligence, or any other theory, arising out of or in connection with the use, inability to use or performance of the information, services, products and materials available from the laboratory or this site. These limitations shall apply notwithstanding any failure of essential purpose of any limited remedy. Because some jurisdictions do not allow limitations on how long an implied warranty lasts, or the exclusion or limitation of liability for consequential or incidental damages, the above limitations may not apply to you. This is a comprehensive limitation of

liability that applies to all damages of any kind, including (without limitation) compensatory, direct, indirect or consequential damages, loss of data, income or profit and or loss of or damage to property and claims of third parties.

ASP CAT B DELIVERABLE PACKAGE

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CEN TEK LABORATORIES, LLC

Date: 22-Nov-17

CLIENT: LaBella Associates, P.C.

Project: 300 Commerce Dr

Lab Order: C1710061

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: [3608] MS/MSD did not meet criteria.

Centek Laboratories, LLC

Corrective Action Report

Date Initiated: 30-Oct-17

Corrective Action Report ID: 3608

Initiated By: Russell Pellegrino

Department: MSVOA

Corrective Action Description

CAR Summary: MS/MSD did not meet criteria.

Description of Nonconformance: MS/MSD did not meet criteria for a several compounds for samples C1710061-003A
Root/Cause(s): MS/MSD. Based on the chromatographic evidence this is most likely due to matrix interference.

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

Performed By: Russell Pellegrino

Completion Date: 21-Oct-17

Client Notification

Client Notification Required: No

Notified By:

Comment:

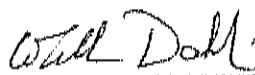
Quality Assurance Review

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

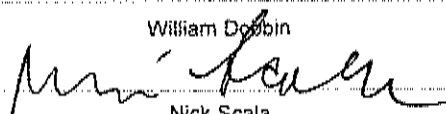
Technical Director /
Deputy Tech. Dir.:



William Dobbin

Close Date: 02-Nov-17

QA Officer Approval:



Nick Scala

QA Date: 02-Nov-17

Last Updated BY russ

Updated: 22-Nov-2017 12:47 PM

Reported: 22-Nov-2017 12:47 P

Date: 22-Nov-17

**CENTEK LABORATORIES, LLC**

CLIENT: LaBella Associates, P.C.
Project: 300 Commerce Dr
Lab Order: C1710061

Work Order Sample Summary

| Lab Sample ID | Client Sample ID | Tag Number | Collection Date | Date Received |
|---------------|--------------------|------------|-----------------|---------------|
| C1710061-001A | 2017_10_24_EX1A | 322.250 | 10/24/2017 | 10/27/2017 |
| C1710061-002A | 2017_10_24_DUP | 457.250 | 10/24/2017 | 10/27/2017 |
| C1710061-003A | 2017_10_24_Outdoor | 484.267 | 10/24/2017 | 10/27/2017 |
| C1710061-004A | 2017_10_24_EX1 | 362.281 | 10/24/2017 | 10/27/2017 |
| C1710061-005A | 2017_10_24_EX2 | 96.297 | 10/24/2017 | 10/27/2017 |

Centek Labs - Chain of Custody

143 Midler Park Drive

Syracuse, NY 13206

315-431-9730

www.CentekLabs.com

Vapor Intrusion & IAQ

Site Name: 300 Commerce Dr.

Project: C828158

PO#: 208723

Quote # Q-52

Canister Order #: 6529

Detection Limit

5ppbv

1UG/M3

1ug/mL3 +TCE .25

Report Level

Level 1

Level II

Cat "B" Like

Page 1 of 272

Centek Laboratories, LLC

[illegible]

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



CENTEK LABORATORIES, LLC

Sample Receipt Checklist

Client Name LABELLA - ROCHESTER

Date and Time Receive

10/27/2017

Work Order Number C1710061

Received by NM

Checklist completed by

10-27-17

Date

Reviewed by

Initials

10/27/17

Date

Matrix:

Carrier name: FedEx Ground

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

Adjusted? _____ Checked by _____

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

Client contacted YES Date contacted: 10-27-17 Person contacted JEN G.

Contacted by: NICK M. Regarding: COC / SAMPLES

Comments: MS / MSD INCORRECTLY MARKED ON COC AS "OUTDOOR"

Corrective Action CORRECTED ON COC

Centek Laboratories, LLC

Lab Order: C1710061
 Client: LaBella Associates, P.C.
 Project: 300 Commerce Dr

DATES REPORT

| Sample ID | Client Sample ID | Collection Date | Matrix | Test Name | TCLP Date | Prep Date | Analysis Date |
|---------------|--------------------|-----------------|--------|-------------------------------|-----------|-----------|---------------|
| C1710061-001A | 2017_10_24_EX1A | 10/24/2017 | Air | 1ug/m3 w/ 0.25ug/M3 CT-TCE-VC | | | 10/31/2017 |
| | | | | 1ug/m3 w/ 0.25ug/M3 CT-TCE-VC | | | 10/30/2017 |
| C1710061-002A | 2017_10_24_DUP | | | 1ug/m3 w/ 0.25ug/M3 CT-TCE-VC | | | 10/31/2017 |
| | | | | 1ug/m3 w/ 0.25ug/M3 CT-TCE-VC | | | 10/30/2017 |
| C1710061-003A | 2017_10_24_Outdoor | | | 1ug/m3 w/ 0.25ug/M3 CT-TCE-VC | | | 10/30/2017 |
| | | | | 1ug/m3 w/ 0.25ug/M3 CT-TCE-VC | | | 10/30/2017 |
| C1710061-004A | 2017_10_24_EX1 | | | 1ug/m3 w/ 0.25ug/M3 CT-TCE-VC | | | 10/31/2017 |
| | | | | 1ug/m3 w/ 0.25ug/M3 CT-TCE-VC | | | 10/31/2017 |
| | | | | 1ug/m3 w/ 0.25ug/M3 CT-TCE-VC | | | 10/30/2017 |
| C1710061-005A | 2017_10_24_EX2 | | | 1ug/m3 w/ 0.25ug/M3 CT-TCE-VC | | | 10/31/2017 |
| | | | | 1ug/m3 w/ 0.25ug/M3 CT-TCE-VC | | | 10/31/2017 |
| | | | | 1ug/m3 w/ 0.25ug/M3 CT-TCE-VC | | | 10/30/2017 |

CANISTER ORDER



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

6820

22-Nov-17

SHIPPED TO:

Company: LaBella Associates, P.C.
 Contact: Kyle Miller
 Address: 300 State Street, Suite 201
 Rochester, NY 14614
 Phone: (585) 454-6110
 Quote ID: 0
 Project:
 PO: 208723

Submitted By:

MadeBy: rjp

Ship Date: 10/19/2017

VIA: FedEx Ground

Due Date: 10/23/2017

| Bottle Code | Bottle Type | TEST(s) | QTY |
|-------------|---------------|-------------------------------|-----|
| MC1400CC | 1.4L Mini-Can | 1ug/m3 w/ 0.25ug/M3 CT-TCE-VC | 1 |
| MC1000CC | 1L Mini-Can | 1ug/M3 by Method TO15 | 4 |

| Can / Reg ID | Description |
|--------------|-------------------------|
| 281 | Time-Set Reg - 637 VI |
| 297 | Time-Set Reg - 720 VI |
| 322 | 1L Mini-Can - 1285 VI |
| 362 | 1L Mini-Can - 1311 VI |
| 457 | 1L Mini-Can - 1360 VI |
| 484 | 1.4L Mini-Can - 1366 VI |
| 96 | 1L Mini-Can - 1088 VI |
| 250 | Time-Set Reg - 688 VI |
| 267 | Time-Set Reg - 705 VI |

Comments: 3 1L @ 4hr + dupe + 1 1.4L @ 4hr + 4'tubing WAC 041217 F-G, 092217 A-C

GC/MS VOLATILES-WHOLE AIR

METHOD TO-15

ANALYTICAL RESULTS

Centek Laboratories, LLC

Date: 20-Nov-17

CLIENT: LaBella Associates, P.C.
 Lab Order: C1710061
 Project: 300 Commerce Dr
 Lab ID: C1710061-001A

Client Sample ID: 2017_10_24_EX1A
 Tag Number: 322.250
 Collection Date: 10/24/2017
 Matrix: AIR

| Analyses | Result | **Limit | Qual | Units | DF | Date Analyzed |
|-------------------------------|--------|---------|------|--------------|----|------------------------|
| FIELD PARAMETERS | | FLD | | Analyst: | | |
| Lab Vacuum In | -2 | | | "Hg | | 10/27/2017 |
| Lab Vacuum Out | -30 | | | "Hg | | 10/27/2017 |
| 1UG/M3 W/ 0.25UG/M3 CT-TCE-VC | | TO-15 | | Analyst: RJP | | |
| 1,1,1-Trichloroethane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| 1,1,2,2-Tetrachloroethane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| 1,1,2-Trichloroethane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| 1,1-Dichloroethane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| 1,1-Dichloroethene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| 1,2,4-Trichlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| 1,2,4-Trimethylbenzene | 0.41 | 0.15 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| 1,2-Dibromoethane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| 1,2-Dichlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| 1,2-Dichloroethane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| 1,2-Dichloropropane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| 1,3,5-Trimethylbenzene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| 1,3-butadiene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| 1,3-Dichlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| 1,4-Dichlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| 1,4-Dioxane | < 0.30 | 0.30 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| 2,2,4-trimethylpentane | 0.25 | 0.15 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| 4-ethyltoluene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| Acetone | 4.7 | 1.5 | | ppbV | 5 | 10/31/2017 12:02:00 AM |
| Allyl chloride | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| Benzene | 0.45 | 0.15 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| Benzyl chloride | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| Bromodichloromethane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| Bromoform | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| Bromomethane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| Carbon disulfide | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| Carbon tetrachloride | 0.080 | 0.040 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| Chlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| Chloroethane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| Chloroform | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| Chloromethane | 0.79 | 0.15 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| cis-1,2-Dichloroethene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| cis-1,3-Dichloropropene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| Cyclohexane | 0.16 | 0.15 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| Dibromochloromethane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| Ethyl acetate | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 4:59:00 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

Page 1 of 10

Centek Laboratories, LLC

Date: 20-Nov-17

CLIENT: LaBella Associates, P.C.
 Lab Order: C1710061
 Project: 300 Commerce Dr
 Lab ID: C1710061-001A

Client Sample ID: 2017_10_24_EX1A
 Tag Number: 322.250
 Collection Date: 10/24/2017
 Matrix: AIR

| Analyses | Result | **Limit | Qual | Units | DF | Date Analyzed |
|-------------------------------|---------|---------|------|--------------|----|------------------------|
| 1UG/M3 W/ 0.25UG/M3 CT-TCE-VC | | TO-15 | | Analyst: RJP | | |
| Ethylbenzene | 0.42 | 0.15 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| Freon 11 | 0.22 | 0.15 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| Freon 113 | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| Freon 114 | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| Freon 12 | 0.49 | 0.15 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| Heptane | 0.33 | 0.15 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| Hexachloro-1,3-butadiene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| Hexane | 0.20 | 0.15 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| Isopropyl alcohol | 3.6 | 0.75 | | ppbV | 5 | 10/31/2017 12:02:00 AM |
| m&p-Xylene | 1.6 | 0.30 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| Methyl Butyl Ketone | < 0.30 | 0.30 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| Methyl Ethyl Ketone | 0.47 | 0.30 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| Methyl Isobutyl Ketone | < 0.30 | 0.30 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| Methyl tert-butyl ether | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| Methylene chloride | 0.20 | 0.15 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| o-Xylene | 0.62 | 0.15 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| Propylene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| Styrene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| Tetrachloroethylene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| Tetrahydrofuran | 0.30 | 0.15 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| Toluene | 4.2 | 0.75 | | ppbV | 5 | 10/31/2017 12:02:00 AM |
| trans-1,2-Dichloroethane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| trans-1,3-Dichloropropene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| Trichloroethene | < 0.040 | 0.040 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| Vinyl acetate | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| Vinyl Bromide | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| Vinyl chloride | < 0.040 | 0.040 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| Surr: Bromofluorobenzene | 100 | 70-130 | | %REC | 1 | 10/30/2017 4:59:00 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: 20-Nov-17

CLIENT: LaBella Associates, P.C.
 Lab Order: C1710061
 Project: 300 Commerce Dr
 Lab ID: C1710061-001A

Client Sample ID: 2017_10_24_EX1A
 Tag Number: 322.250
 Collection Date: 10/24/2017
 Matrix: AIR

| Analyses | Result | **Limit | Qual | Units | DF | Date Analyzed |
|-------------------------------|--------|---------|------|--------------|----|------------------------|
| 1UG/M3 W/ 0.25UG/M3 CT-TCE-VC | | TO-15 | | Analyst: RJP | | |
| 1,1,1-Trichloroethane | < 0.82 | 0.82 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| 1,1,2,2-Tetrachloroethane | < 1.0 | 1.0 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| 1,1,2-Trichloroethane | < 0.82 | 0.82 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| 1,1-Dichloroethane | < 0.61 | 0.61 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| 1,1-Dichloroethene | < 0.59 | 0.59 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| 1,2,4-Trichlorobenzene | < 1.1 | 1.1 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| 1,2,4-Trimethylbenzene | 2.0 | 0.74 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| 1,2-Dibromoethane | < 1.2 | 1.2 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| 1,2-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| 1,2-Dichloroethane | < 0.61 | 0.61 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| 1,2-Dichloropropane | < 0.69 | 0.69 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| 1,3,5-Trimethylbenzene | < 0.74 | 0.74 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| 1,3-butadiene | < 0.33 | 0.33 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| 1,3-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| 1,4-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| 1,4-Dioxane | < 1.1 | 1.1 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| 2,2,4-trimethylpentane | 1.2 | 0.70 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| 4-ethyltoluene | < 0.74 | 0.74 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| Acetone | 11 | 3.6 | | ug/m3 | 5 | 10/31/2017 12:02:00 AM |
| Allyl chloride | < 0.47 | 0.47 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| Benzene | 1.4 | 0.48 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| Benzyl chloride | < 0.86 | 0.86 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| Bromodichloromethane | < 1.0 | 1.0 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| Bromoform | < 1.6 | 1.6 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| Bromomethane | < 0.58 | 0.58 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| Carbon disulfide | < 0.47 | 0.47 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| Carbon tetrachloride | 0.50 | 0.25 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| Chlorobenzene | < 0.69 | 0.69 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| Chloroethane | < 0.40 | 0.40 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| Chloroform | < 0.73 | 0.73 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| Chloromethane | 1.6 | 0.31 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| cis-1,2-Dichloroethene | < 0.59 | 0.59 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| cis-1,3-Dichloropropene | < 0.68 | 0.68 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| Cyclohexane | 0.55 | 0.52 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| Dibromochloromethane | < 1.3 | 1.3 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| Ethyl acetate | < 0.54 | 0.54 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| Ethylbenzene | 1.8 | 0.65 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| Freon 11 | 1.2 | 0.84 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| Freon 113 | < 1.1 | 1.1 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| Freon 114 | < 1.0 | 1.0 | | ug/m3 | 1 | 10/30/2017 4:59:00 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: 20-Nov-17

CLIENT: LaBella Associates, P.C.
 Lab Order: C1710061
 Project: 300 Commerce Dr
 Lab ID: C1710061-001A

Client Sample ID: 2017_10_24_EX1A
 Tag Number: 322.250
 Collection Date: 10/24/2017
 Matrix: AIR

| Analyses | Result | **Limit | Qual | Units | DF | Date Analyzed |
|-------------------------------|--------|---------|------|--------------|----|------------------------|
| 1UG/M3 W/ 0.25UG/M3 CT-TCE-VC | | TO-15 | | Analyst: RJP | | |
| Freon 12 | 2.4 | 0.74 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| Heptane | 1.4 | 0.61 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| Hexachloro-1,3-butadiene | < 1.6 | 1.6 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| Hexane | 0.70 | 0.53 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| Isopropyl alcohol | 8.7 | 1.8 | | ug/m3 | 5 | 10/31/2017 12:02:00 AM |
| m&p-Xylene | 7.2 | 1.3 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| Methyl Butyl Ketone | < 1.2 | 1.2 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| Methyl Ethyl Ketone | 1.4 | 0.88 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| Methyl isobutyl Ketone | < 1.2 | 1.2 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| Methyl tert-butyl ether | < 0.54 | 0.54 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| Methylene chloride | 0.69 | 0.52 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| o-Xylene | 2.7 | 0.65 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| Propylene | < 0.26 | 0.26 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| Styrene | < 0.64 | 0.64 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| Tetrachloroethylene | < 1.0 | 1.0 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| Tetrahydrofuran | 0.88 | 0.44 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| Toluene | 15 | 2.8 | | ug/m3 | 5 | 10/31/2017 12:02:00 AM |
| trans-1,2-Dichloroethene | < 0.59 | 0.59 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| trans-1,3-Dichloropropene | < 0.68 | 0.68 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| Trichloroethene | < 0.21 | 0.21 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| Vinyl acetate | < 0.53 | 0.53 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| Vinyl Bromide | < 0.66 | 0.66 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| Vinyl chloride | < 0.10 | 0.10 | | ug/m3 | 1 | 10/30/2017 4:59:00 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: 20-Nov-17

CLIENT: LaBella Associates, P.C.
 Lab Order: C1710061
 Project: 300 Commerce Dr
 Lab ID: C1710061-002A

Client Sample ID: 2017_10_24_DUP
 Tag Number: 457.250
 Collection Date: 10/24/2017
 Matrix: AIR

| Analyses | Result | **Limit | Qual | Units | DF | Date Analyzed |
|-------------------------------|--------|---------|------|--------------|----|------------------------|
| FIELD PARAMETERS | | FLD | | Analyst: | | |
| Lab Vacuum In | -2 | | | "Hg | | 10/27/2017 |
| Lab Vacuum Out | -30 | | | "Hg | | 10/27/2017 |
| 1UG/M3 W/ 0.25UG/M3 CT-TCE-VC | | TO-15 | | Analyst: RJP | | |
| 1,1,1-Trichloroethane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| 1,1,2,2-Tetrachloroethane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| 1,1,2-Trichloroethane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| 1,1-Dichloroethane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| 1,1-Dichloroethene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| 1,2,4-Trichlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| 1,2,4-Trimethylbenzene | 0.43 | 0.15 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| 1,2-Dibromoethane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| 1,2-Dichlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| 1,2-Dichloroethane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| 1,2-Dichloropropane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| 1,3,5-Trimethylbenzene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| 1,3-butadiene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| 1,3-Dichlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| 1,4-Dichlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| 1,4-Dioxane | < 0.30 | 0.30 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| 2,2,4-trimethylpentane | 0.28 | 0.15 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| 4-ethyltoluene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| Acetone | 6.8 | 1.5 | | ppbV | 5 | 10/31/2017 12:39:00 AM |
| Allyl chloride | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| Benzene | 0.46 | 0.15 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| Benzyl chloride | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| Bromodichloromethane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| Bromoform | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| Bromomethane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| Carbon disulfide | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| Carbon tetrachloride | 0.080 | 0.040 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| Chlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| Chloroethane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| Chloroform | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| Chloromethane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| cis-1,2-Dichloroethene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| cis-1,3-Dichloropropene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| Cyclohexane | 0.17 | 0.15 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| Dibromochloromethane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| Ethyl acetate | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 5:39:00 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: 20-Nov-17

CLIENT: LaBella Associates, P.C.
 Lab Order: C1710061
 Project: 300 Commerce Dr
 Lab ID: C1710061-002A

Client Sample ID: 2017_10_24_DUP
 Tag Number: 457.250
 Collection Date: 10/24/2017
 Matrix: AIR

| Analyses | Result | **Limit | Qual | Units | DF | Date Analyzed |
|-------------------------------|---------|---------|------|--------------|----|------------------------|
| 1UG/M3 W/ 0.25UG/M3 CT-TCE-VC | | TO-15 | | Analyst: RJP | | |
| Ethylbenzene | 0.43 | 0.15 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| Freon 11 | 0.22 | 0.15 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| Freon 113 | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| Freon 114 | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| Freon 12 | 0.49 | 0.15 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| Heptane | 0.33 | 0.15 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| Hexachloro-1,3-butadiene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| Hexane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| Isopropyl alcohol | 7.1 | 0.75 | | ppbV | 5 | 10/31/2017 12:39:00 AM |
| m&p-Xylene | 1.7 | 0.30 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| Methyl Butyl Ketone | < 0.30 | 0.30 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| Methyl Ethyl Ketone | 0.64 | 0.30 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| Methyl Isobutyl Ketone | 0.11 | 0.30 | J | ppbV | 1 | 10/30/2017 5:39:00 PM |
| Methyl tert-butyl ether | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| Methylene chloride | 0.48 | 0.15 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| o-Xylene | 0.64 | 0.15 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| Propylene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| Styrene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| Tetrachloroethylene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| Tetrahydrofuran | 0.34 | 0.15 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| Toluene | 5.2 | 0.75 | | ppbV | 5 | 10/31/2017 12:39:00 AM |
| trans-1,2-Dichloroethene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| trans-1,3-Dichloropropene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| Trichloroethene | < 0.040 | 0.040 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| Vinyl acetate | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| Vinyl Bromide | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| Vinyl chloride | < 0.040 | 0.040 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| Surr: Bromofluorobenzene | 99.0 | 70-130 | | %REC | 1 | 10/30/2017 5:39:00 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

Page 4 of 10

Centek Laboratories, LLC

Date: 20-Nov-17

CLIENT: LaBella Associates, P.C.
 Lab Order: C1710061
 Project: 300 Commerce Dr
 Lab ID: C1710061-002A

Client Sample ID: 2017_10_24_DUP
 Tag Number: 457.250
 Collection Date: 10/24/2017
 Matrix: AIR

| Analyses | Result | **Limit | Qual | Units | DF | Date Analyzed |
|-------------------------------|--------|---------|------|-------|----|------------------------|
| 1UG/M3 W/ 0.25UG/M3 CT-TCE-VC | | | | TO-15 | | Analyst: RJP |
| 1,1,1-Trichloroethane | < 0.82 | 0.82 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| 1,1,2,2-Tetrachloroethane | < 1.0 | 1.0 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| 1,1,2-Trichloroethane | < 0.82 | 0.82 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| 1,1-Dichloroethane | < 0.61 | 0.61 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| 1,1-Dichloroethene | < 0.59 | 0.59 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| 1,2,4-Trichlorobenzene | < 1.1 | 1.1 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| 1,2,4-Trimethylbenzene | 2.1 | 0.74 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| 1,2-Dibromoethane | < 1.2 | 1.2 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| 1,2-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| 1,2-Dichloroethane | < 0.61 | 0.61 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| 1,2-Dichloropropane | < 0.69 | 0.69 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| 1,3,5-Trimethylbenzene | < 0.74 | 0.74 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| 1,3-butadiene | < 0.33 | 0.33 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| 1,3-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| 1,4-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| 1,4-Dioxane | < 1.1 | 1.1 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| 2,2,4-trimethylpentane | 1.3 | 0.70 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| 4-ethyltoluene | < 0.74 | 0.74 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| Acetone | 16 | 3.6 | | ug/m3 | 5 | 10/31/2017 12:39:00 AM |
| Allyl chloride | < 0.47 | 0.47 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| Benzene | 1.5 | 0.48 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| Benzyl chloride | < 0.86 | 0.86 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| Bromodichloromethane | < 1.0 | 1.0 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| Bromoform | < 1.6 | 1.6 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| Bromomethane | < 0.58 | 0.58 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| Carbon disulfide | < 0.47 | 0.47 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| Carbon tetrachloride | 0.50 | 0.25 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| Chlorobenzene | < 0.69 | 0.69 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| Chloroethane | < 0.40 | 0.40 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| Chloroform | < 0.73 | 0.73 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| Chloromethane | < 0.31 | 0.31 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| cis-1,2-Dichloroethene | < 0.59 | 0.59 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| cis-1,3-Dichloropropene | < 0.68 | 0.68 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| Cyclohexane | 0.59 | 0.52 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| Dibromochloromethane | < 1.3 | 1.3 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| Ethyl acetate | < 0.54 | 0.54 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| Ethylbenzene | 1.9 | 0.85 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| Freon 11 | 1.2 | 0.84 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| Freon 113 | < 1.1 | 1.1 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| Freon 114 | < 1.0 | 1.0 | | ug/m3 | 1 | 10/30/2017 5:39:00 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 | |

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Centek Laboratories, LLC

Date: 20-Nov-17

CLIENT: LaBella Associates, P.C.
 Lab Order: C1710061
 Project: 300 Commerce Dr
 Lab ID: C1710061-002A

Client Sample ID: 2017_10_24_DUP
 Tag Number: 457.250
 Collection Date: 10/24/2017
 Matrix: AIR

| Analyses | Result | **Limit | Qual | Units | DF | Date Analyzed |
|-------------------------------|--------|---------|------|--------------|----|------------------------|
| 1UG/M3 W/ 0.25UG/M3 CT-TCE-VC | | TO-15 | | Analyst: RJP | | |
| Freon 12 | 2.4 | 0.74 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| Heptane | 1.4 | 0.61 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| Hexachloro-1,3-butadiene | < 1.6 | 1.6 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| Hexane | < 0.53 | 0.53 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| Isopropyl alcohol | 17 | 1.8 | | ug/m3 | 5 | 10/31/2017 12:39:00 AM |
| m&p-Xylene | 7.3 | 1.3 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| Methyl Butyl Ketone | < 1.2 | 1.2 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| Methyl Ethyl Ketone | 1.9 | 0.88 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| Methyl Isobutyl Ketone | 0.45 | 1.2 | J | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| Methyl tert-butyl ether | < 0.54 | 0.54 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| Methylene chloride | 1.7 | 0.52 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| o-Xylene | 2.8 | 0.65 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| Propylene | < 0.26 | 0.26 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| Styrene | < 0.64 | 0.64 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| Tetrachloroethylene | < 1.0 | 1.0 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| Tetrahydrofuran | 1.0 | 0.44 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| Toluene | 20 | 2.8 | | ug/m3 | 5 | 10/31/2017 12:39:00 AM |
| trans-1,2-Dichloroethene | < 0.59 | 0.59 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| trans-1,3-Dichloropropene | < 0.68 | 0.68 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| Trichloroethene | < 0.21 | 0.21 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| Vinyl acetate | < 0.53 | 0.53 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| Vinyl Bromide | < 0.66 | 0.66 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| Vinyl chloride | < 0.10 | 0.10 | | ug/m3 | 1 | 10/30/2017 5:39:00 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 | | |

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Centek Laboratories, LLC

Date: 20-Nov-17

CLIENT: LaBella Associates, P.C.
 Lab Order: C1710061
 Project: 300 Commerce Dr
 Lab ID: C1710061-003A

Client Sample ID: 2017_10_24_Outdoor
 Tag Number: 484.267
 Collection Date: 10/24/2017
 Matrix: AIR

| Analyses | Result | **Limit | Qual | Units | DF | Date Analyzed |
|--------------------------------------|--------|--------------|------|--------------|----|------------------------|
| FIELD PARAMETERS | | FLD | | Analyst: | | |
| Lab Vacuum In | -2 | | | "Hg | | 10/27/2017 |
| Lab Vacuum Out | -30 | | | "Hg | | 10/27/2017 |
| 1UG/M3 W/ 0.25UG/M3 CT-TCE-VC | | TO-15 | | Analyst: RJP | | |
| 1,1,1-Trichloroethane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| 1,1,2,2-Tetrachloroethane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| 1,1,2-Trichloroethane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| 1,1-Dichloroethane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| 1,1-Dichloroethene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| 1,2,4-Trichlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| 1,2,4-Trimethylbenzene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| 1,2-Dibromoethane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| 1,2-Dichlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| 1,2-Dichloroethane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| 1,2-Dichloropropane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| 1,3,5-Trimethylbenzene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| 1,3-butadiene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| 1,3-Dichlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| 1,4-Dichlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| 1,4-Dioxane | < 0.30 | 0.30 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| 2,2,4-trimethylpentane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| 4-ethyltoluene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| Acetone | 3.2 | 0.60 | | ppbV | 2 | 10/30/2017 11:25:00 PM |
| Allyl chloride | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| Benzene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| Benzyl chloride | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| Bromodichloromethane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| Bromoform | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| Bromomethane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| Carbon disulfide | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| Carbon tetrachloride | 0.070 | 0.040 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| Chlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| Chloroethane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| Chloroform | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| Chloromethane | 0.39 | 0.15 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| cis-1,2-Dichloroethane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| cis-1,3-Dichloropropene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| Cyclohexane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| Dibromochloromethane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| Ethyl acetate | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 2:48:00 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

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Centek Laboratories, LLC

Date: 20-Nov-17

CLIENT: LaBella Associates, P.C.

Client Sample ID: 2017_10_24_Outdoor

Lab Order: C1710061

Tag Number: 484.267

Project: 300 Commerce Dr

Collection Date: 10/24/2017

Lab ID: C1710061-003A

Matrix: AIR

| Analyses | Result | **Limit | Qual | Units | DF | Date Analyzed |
|-------------------------------|---------|---------|------|--------------|----|-----------------------|
| 1UG/M3 W/ 0.25UG/M3 CT-TCE-VC | | TO-15 | | Analyst: RJP | | |
| Ethylbenzene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| Freon 11 | 0.21 | 0.15 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| Freon 113 | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| Freon 114 | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| Freon 12 | 0.44 | 0.15 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| Heptane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| Hexachloro-1,3-butadiene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| Hexane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| Isopropyl alcohol | 0.54 | 0.15 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| m&p-Xylene | 0.23 | 0.30 | J | ppbV | 1 | 10/30/2017 2:48:00 PM |
| Methyl Butyl Ketone | < 0.30 | 0.30 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| Methyl Ethyl Ketone | 0.33 | 0.30 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| Methyl Isobutyl Ketone | 0.11 | 0.30 | J | ppbV | 1 | 10/30/2017 2:48:00 PM |
| Methyl tert-butyl ether | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| Methylene chloride | 0.26 | 0.15 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| o-Xylene | 0.10 | 0.15 | J | ppbV | 1 | 10/30/2017 2:48:00 PM |
| Propylene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| Styrene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| Tetrachloroethylene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| Tetrahydrofuran | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| Toluene | 0.77 | 0.15 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| trans-1,2-Dichloroethene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| trans-1,3-Dichloropropene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| Trichloroethene | < 0.040 | 0.040 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| Vinyl acetate | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| Vinyl Bromide | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| Vinyl chloride | < 0.040 | 0.040 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| Surr: Bromofluorobenzene | 100 | 70-130 | | %REC | 1 | 10/30/2017 2:48:00 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 | | |

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Centek Laboratories, LLC

Date: 20-Nov-17

CLIENT: LaBella Associates, P.C.

Client Sample ID: 2017_10_24_Outdoor

Lab Order: C1710061

Tag Number: 484.267

Project: 300 Commerce Dr

Collection Date: 10/24/2017

Lab ID: C1710061-003A

Matrix: AIR

| Analyses | Result | **Limit | Qual | Units | DF | Date Analyzed |
|-------------------------------|--------|---------|------|--------------|----|------------------------|
| 1UG/M3 W/ 0.25UG/M3 CT-TCE-VC | | TO-15 | | Analyst: RJP | | |
| 1,1,1-Trichloroethane | < 0.82 | 0.82 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| 1,1,2,2-Tetrachloroethane | < 1.0 | 1.0 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| 1,1,2-Trichloroethane | < 0.82 | 0.82 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| 1,1-Dichloroethane | < 0.61 | 0.61 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| 1,1-Dichloroethene | < 0.59 | 0.59 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| 1,2,4-Trichlorobenzene | < 1.1 | 1.1 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| 1,2,4-Trimethylbenzene | < 0.74 | 0.74 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| 1,2-Dibromoethane | < 1.2 | 1.2 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| 1,2-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| 1,2-Dichloroethane | < 0.61 | 0.61 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| 1,2-Dichloropropane | < 0.69 | 0.69 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| 1,3,5-Trimethylbenzene | < 0.74 | 0.74 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| 1,3-butadiene | < 0.33 | 0.33 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| 1,3-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| 1,4-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| 1,4-Dioxane | < 1.1 | 1.1 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| 2,2,4-trimethylpentane | < 0.70 | 0.70 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| 4-ethyltoluene | < 0.74 | 0.74 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| Acetone | 7.6 | 1.4 | | ug/m3 | 2 | 10/30/2017 11:25:00 PM |
| Allyl chloride | < 0.47 | 0.47 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| Benzene | < 0.48 | 0.48 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| Benzyl chloride | < 0.86 | 0.86 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| Bromodichloromethane | < 1.0 | 1.0 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| Bromoform | < 1.6 | 1.6 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| Bromomethane | < 0.58 | 0.58 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| Carbon disulfide | < 0.47 | 0.47 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| Carbon tetrachloride | 0.44 | 0.25 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| Chlorobenzene | < 0.69 | 0.69 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| Chloroethane | < 0.40 | 0.40 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| Chloroform | < 0.73 | 0.73 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| Chloromethane | 0.81 | 0.31 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| cis-1,2-Dichloroethene | < 0.59 | 0.59 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| cis-1,3-Dichloropropene | < 0.68 | 0.68 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| Cyclohexane | < 0.52 | 0.52 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| Dibromochloromethane | < 1.3 | 1.3 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| Ethyl acetate | < 0.54 | 0.54 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| Ethylbenzene | < 0.65 | 0.65 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| Freon 11 | 1.2 | 0.84 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| Freon 113 | < 1.1 | 1.1 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| Freon 114 | < 1.0 | 1.0 | | ug/m3 | 1 | 10/30/2017 2:48:00 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: 20-Nov-17

CLIENT: LaBella Associates, P.C.
 Lab Order: C1710061
 Project: 300 Commerce Dr
 Lab ID: C1710061-003A

Client Sample ID: 2017_10_24_Outdoor
 Tag Number: 484.267
 Collection Date: 10/24/2017
 Matrix: AIR

| Analyses | Result | **Limit | Qual | Units | DF | Date Analyzed |
|-------------------------------|--------|---------|------|--------------|----|-----------------------|
| 1UG/M3 W/ 0.25UG/M3 CT-TCE-VC | | TO-15 | | Analyst: RJP | | |
| Freon 12 | 2.2 | 0.74 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| Heptane | < 0.61 | 0.61 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| Hexachloro-1,3-butadiene | < 1.6 | 1.6 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| Hexane | < 0.53 | 0.53 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| Isopropyl alcohol | 1.3 | 0.37 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| m&p-Xylene | 1.0 | 1.3 | J | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| Methyl Butyl Ketone | < 1.2 | 1.2 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| Methyl Ethyl Ketone | 0.97 | 0.88 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| Methyl Isobutyl Ketone | 0.45 | 1.2 | J | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| Methyl tert-butyl ether | < 0.54 | 0.54 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| Methylene chloride | 0.90 | 0.52 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| o-Xylene | 0.43 | 0.65 | J | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| Propylene | < 0.26 | 0.26 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| Styrene | < 0.64 | 0.64 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| Tetrachloroethylene | < 1.0 | 1.0 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| Tetrahydrofuran | < 0.44 | 0.44 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| Toluene | 2.9 | 0.57 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| trans-1,2-Dichloroethene | < 0.59 | 0.59 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| trans-1,3-Dichloropropene | < 0.68 | 0.68 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| Trichloroethene | < 0.21 | 0.21 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| Vinyl acetate | < 0.53 | 0.53 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| Vinyl Bromide | < 0.66 | 0.66 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| Vinyl chloride | < 0.10 | 0.10 | | ug/m3 | 1 | 10/30/2017 2:48:00 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: 20-Nov-17

CLIENT: LaBella Associates, P.C.
 Lab Order: C1710061
 Project: 300 Commerce Dr
 Lab ID: C1710061-004A

Client Sample ID: 2017_10_24_EX1
 Tag Number: 362.281
 Collection Date: 10/24/2017
 Matrix: AIR

| Analyses | Result | **Limit | Qual | Units | DF | Date Analyzed |
|--------------------------------------|--------|--------------|------|---------------------|----|-----------------------|
| FIELD PARAMETERS | | FLD | | Analyst: | | |
| Lab Vacuum In | -2 | | | "Hg | | 10/27/2017 |
| Lab Vacuum Out | -30 | | | "Hg | | 10/27/2017 |
| 1UG/M3 W/ 0.25UG/M3 CT-TCE-VC | | TO-15 | | Analyst: RJP | | |
| 1,1,1-Trichloroethane | 0.14 | 0.15 | J | ppbV | 1 | 10/30/2017 6:19:00 PM |
| 1,1,2,2-Tetrachloroethane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:19:00 PM |
| 1,1,2-Trichloroethane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:19:00 PM |
| 1,1-Dichloroethane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:19:00 PM |
| 1,1-Dichloroethene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:19:00 PM |
| 1,2,4-Trichlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:19:00 PM |
| 1,2,4-Trimethylbenzene | 5.7 | 1.5 | | ppbV | 10 | 10/31/2017 1:16:00 AM |
| 1,2-Dibromoethane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:19:00 PM |
| 1,2-Dichlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:19:00 PM |
| 1,2-Dichloroethane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:19:00 PM |
| 1,2-Dichloropropane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:19:00 PM |
| 1,3,5-Trimethylbenzene | 1.6 | 1.5 | | ppbV | 10 | 10/31/2017 1:16:00 AM |
| 1,3,5-Trimethylbenzene | 2.0 | 0.15 | | ppbV | 1 | 10/30/2017 6:19:00 PM |
| 1,3-butadiene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:19:00 PM |
| 1,3-Dichlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:19:00 PM |
| 1,4-Dichlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:19:00 PM |
| 1,4-Dioxane | < 0.30 | 0.30 | | ppbV | 1 | 10/30/2017 6:19:00 PM |
| 2,2,4-trimethylpentane | 6.0 | 1.5 | | ppbV | 10 | 10/31/2017 1:16:00 AM |
| 4-ethyltoluene | 1.9 | 1.5 | | ppbV | 10 | 10/31/2017 1:16:00 AM |
| Acetone | 110 | 27 | | ppbV | 90 | 10/31/2017 8:24:00 AM |
| Allyl chloride | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:19:00 PM |
| Benzene | 9.4 | 1.5 | | ppbV | 10 | 10/31/2017 1:16:00 AM |
| Benzyl chloride | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:19:00 PM |
| Bromodichloromethane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:19:00 PM |
| Bromoform | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:19:00 PM |
| Bromomethane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:19:00 PM |
| Carbon disulfide | 1.6 | 0.15 | | ppbV | 1 | 10/30/2017 6:19:00 PM |
| Carbon tetrachloride | 0.080 | 0.040 | | ppbV | 1 | 10/30/2017 6:19:00 PM |
| Chlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:19:00 PM |
| Chloroethane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:19:00 PM |
| Chloroform | 0.13 | 0.15 | J | ppbV | 1 | 10/30/2017 6:19:00 PM |
| Chloromethane | 0.43 | 0.15 | | ppbV | 1 | 10/30/2017 6:19:00 PM |
| cis-1,2-Dichloroethene | 4.3 | 1.5 | | ppbV | 10 | 10/31/2017 1:16:00 AM |
| cis-1,3-Dichloropropene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:19:00 PM |
| Cyclohexane | 2.1 | 0.15 | | ppbV | 1 | 10/30/2017 6:19:00 PM |
| Dibromochloromethane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:19:00 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: 20-Nov-17

CLIENT: LaBella Associates, P.C.
 Lab Order: C1710061
 Project: 300 Commerce Dr
 Lab ID: C1710061-004A

Client Sample ID: 2017_10_24_EX1
 Tag Number: 362.281
 Collection Date: 10/24/2017
 Matrix: AIR

| Analyses | Result | **Limit | Qual | Units | DF | Date Analyzed |
|-------------------------------|---------|---------|-------|-------|----|-----------------------|
| 1UG/M3 W/ 0.25UG/M3 CT-TCE-VC | | | TO-15 | | | Analyst: RJP |
| Ethyl acetate | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:19:00 PM |
| Ethylbenzene | 10 | 1.5 | | ppbV | 10 | 10/31/2017 1:16:00 AM |
| Freon 11 | 0.29 | 0.15 | | ppbV | 1 | 10/30/2017 6:19:00 PM |
| Freon 113 | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:19:00 PM |
| Freon 114 | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:19:00 PM |
| Freon 12 | 0.61 | 0.15 | | ppbV | 1 | 10/30/2017 6:19:00 PM |
| Heptane | 6.1 | 1.5 | | ppbV | 10 | 10/31/2017 1:16:00 AM |
| Hexachloro-1,3-butadiene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:19:00 PM |
| Hexane | 3.4 | 1.5 | | ppbV | 10 | 10/31/2017 1:16:00 AM |
| Isopropyl alcohol | 180 | 14 | | ppbV | 90 | 10/31/2017 8:24:00 AM |
| m&p-Xylene | 38 | 3.0 | | ppbV | 10 | 10/31/2017 1:16:00 AM |
| Methyl Butyl Ketone | < 0.30 | 0.30 | | ppbV | 1 | 10/30/2017 6:19:00 PM |
| Methyl Ethyl Ketone | 13 | 3.0 | | ppbV | 10 | 10/31/2017 1:16:00 AM |
| Methyl Isobutyl Ketone | 1.4 | 0.30 | | ppbV | 1 | 10/30/2017 6:19:00 PM |
| Methyl tert-butyl ether | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:19:00 PM |
| Methylene chloride | 0.48 | 0.15 | | ppbV | 1 | 10/30/2017 6:19:00 PM |
| o-Xylene | 12 | 1.5 | | ppbV | 10 | 10/31/2017 1:16:00 AM |
| Propylene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:19:00 PM |
| Styrene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:19:00 PM |
| Tetrachloroethylene | 0.54 | 0.15 | | ppbV | 1 | 10/30/2017 6:19:00 PM |
| Tetrahydrofuran | 7.3 | 1.5 | | ppbV | 10 | 10/31/2017 1:16:00 AM |
| Toluene | 71 | 14 | | ppbV | 90 | 10/31/2017 8:24:00 AM |
| trans-1,2-Dichloroethene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:19:00 PM |
| trans-1,3-Dichloropropene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:19:00 PM |
| Trichloroethene | 2.4 | 0.40 | | ppbV | 10 | 10/31/2017 1:16:00 AM |
| Vinyl acetate | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:19:00 PM |
| Vinyl Bromide | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:19:00 PM |
| Vinyl chloride | < 0.040 | 0.040 | | ppbV | 1 | 10/30/2017 6:19:00 PM |
| Surr: Bromofluorobenzene | 111 | 70-130 | | %REC | 1 | 10/30/2017 6:19:00 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

Page 8 of 10

Centek Laboratories, LLC

Date: 20-Nov-17

CLIENT: LaBella Associates, P.C.
 Lab Order: C1710061
 Project: 300 Commerce Dr
 Lab ID: C1710061-004A

Client Sample ID: 2017_10_24_EX1
 Tag Number: 362.281
 Collection Date: 10/24/2017
 Matrix: AIR

| Analyses | Result | **Limit | Qual | Units | DF | Date Analyzed |
|-------------------------------|--------|---------|------|--------------|----|-----------------------|
| 1UG/M3 W/ 0.25UG/M3 CT-TCE-VC | | TO-15 | | Analyst: RJP | | |
| 1,1,1-Trichloroethane | 0.76 | 0.82 | J | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| 1,1,2,2-Tetrachloroethane | < 1.0 | 1.0 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| 1,1,2-Trichloroethane | < 0.82 | 0.82 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| 1,1-Dichloroethane | < 0.61 | 0.61 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| 1,1-Dichloroethene | < 0.59 | 0.59 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| 1,2,4-Trichlorobenzene | < 1.1 | 1.1 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| 1,2,4-Trimethylbenzene | 28 | 7.4 | | ug/m3 | 10 | 10/31/2017 1:16:00 AM |
| 1,2-Dibromoethane | < 1.2 | 1.2 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| 1,2-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| 1,2-Dichloroethane | < 0.61 | 0.61 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| 1,2-Dichloropropane | < 0.69 | 0.69 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| 1,3,5-Trimethylbenzene | 10 | 0.74 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| 1,3,5-Trimethylbenzene | 7.9 | 7.4 | | ug/m3 | 10 | 10/31/2017 1:16:00 AM |
| 1,3-butadiene | < 0.33 | 0.33 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| 1,3-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| 1,4-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| 1,4-Dioxane | < 1.1 | 1.1 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| 2,2,4-trimethylpentane | 28 | 7.0 | | ug/m3 | 10 | 10/31/2017 1:16:00 AM |
| 4-ethyltoluene | 9.3 | 7.4 | | ug/m3 | 10 | 10/31/2017 1:16:00 AM |
| Acetone | 260 | 64 | | ug/m3 | 90 | 10/31/2017 8:24:00 AM |
| Allyl chloride | < 0.47 | 0.47 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| Benzene | 30 | 4.8 | | ug/m3 | 10 | 10/31/2017 1:16:00 AM |
| Benzyl chloride | < 0.86 | 0.86 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| Bromodichloromethane | < 1.0 | 1.0 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| Bromoform | < 1.6 | 1.6 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| Bromomethane | < 0.58 | 0.58 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| Carbon disulfide | 5.1 | 0.47 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| Carbon tetrachloride | 0.50 | 0.25 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| Chlorobenzene | < 0.69 | 0.69 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| Chloroethane | < 0.40 | 0.40 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| Chloroform | 0.63 | 0.73 | J | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| Chloromethane | 0.89 | 0.31 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| cis-1,2-Dichloroethene | 17 | 5.9 | | ug/m3 | 10 | 10/31/2017 1:16:00 AM |
| cis-1,3-Dichloropropene | < 0.68 | 0.68 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| Cyclohexane | 7.2 | 0.52 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| Dibromochloromethane | < 1.3 | 1.3 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| Ethyl acetate | < 0.54 | 0.54 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| Ethylbenzene | 43 | 6.5 | | ug/m3 | 10 | 10/31/2017 1:16:00 AM |
| Freon 11 | 1.6 | 0.84 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| Freon 113 | < 1.1 | 1.1 | | ug/m3 | 1 | 10/30/2017 6:19:00 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: 20-Nov-17

CLIENT: LaBella Associates, P.C.
 Lab Order: C1710061
 Project: 300 Commerce Dr
 Lab ID: C1710061-004A

Client Sample ID: 2017_10_24_EX1
 Tag Number: 362.281
 Collection Date: 10/24/2017
 Matrix: AIR

| Analyses | Result | **Limit | Qual | Units | DF | Date Analyzed |
|-------------------------------|--------|---------|-------|-------|----|-----------------------|
| 1UG/M3 W/ 0.25UG/M3 CT-TCE-VC | | | TO-15 | | | Analyst: RJP |
| Freon 114 | < 1.0 | 1.0 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| Freon 12 | 3.0 | 0.74 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| Heptane | 25 | 6.1 | | ug/m3 | 10 | 10/31/2017 1:16:00 AM |
| Hexachloro-1,3-butadiene | < 1.6 | 1.6 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| Hexane | 12 | 5.3 | | ug/m3 | 10 | 10/31/2017 1:16:00 AM |
| Isopropyl alcohol | 450 | 34 | | ug/m3 | 90 | 10/31/2017 8:24:00 AM |
| m&p-Xylene | 170 | 13 | | ug/m3 | 10 | 10/31/2017 1:16:00 AM |
| Methyl Butyl Ketone | < 1.2 | 1.2 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| Methyl Ethyl Ketone | 37 | 8.8 | | ug/m3 | 10 | 10/31/2017 1:16:00 AM |
| Methyl Isobutyl Ketone | 5.8 | 1.2 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| Methyl tert-butyl ether | < 0.54 | 0.54 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| Methylene chloride | 1.7 | 0.52 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| o-Xylene | 50 | 6.5 | | ug/m3 | 10 | 10/31/2017 1:16:00 AM |
| Propylene | < 0.26 | 0.26 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| Styrene | < 0.64 | 0.64 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| Tetrachloroethylene | 3.7 | 1.0 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| Tetrahydrofuran | 22 | 4.4 | | ug/m3 | 10 | 10/31/2017 1:16:00 AM |
| Toluene | 270 | 53 | | ug/m3 | 90 | 10/31/2017 8:24:00 AM |
| trans-1,2-Dichloroethene | < 0.59 | 0.59 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| trans-1,3-Dichloropropene | < 0.68 | 0.68 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| Trichloroethene | 13 | 2.1 | | ug/m3 | 10 | 10/31/2017 1:16:00 AM |
| Vinyl acetate | < 0.53 | 0.53 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| Vinyl Bromide | < 0.66 | 0.66 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| Vinyl chloride | < 0.10 | 0.10 | | ug/m3 | 1 | 10/30/2017 6:19:00 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

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Centek Laboratories, LLC

Date: 20-Nov-17

CLIENT: LaBella Associates, P.C.
 Lab Order: C1710061
 Project: 300 Commerce Dr
 Lab ID: C1710061-005A

Client Sample ID: 2017_10_24_EX2
 Tag Number: 96.297
 Collection Date: 10/24/2017
 Matrix: AIR

| Analyses | Result | **Limit | Qual | Units | DF | Date Analyzed |
|-------------------------------|--------|---------|------|--------------|-----|-----------------------|
| FIELD PARAMETERS | | FLD | | Analyst: | | |
| Lab Vacuum In | -2 | | | "Hg | | 10/27/2017 |
| Lab Vacuum Out | -30 | | | "Hg | | 10/27/2017 |
| 1UG/M3 W/ 0.25UG/M3 CT-TCE-VC | | TO-15 | | Analyst: RJP | | |
| 1,1,1-Trichloroethane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:59:00 PM |
| 1,1,2,2-Tetrachloroethane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:59:00 PM |
| 1,1,2-Trichloroethane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:59:00 PM |
| 1,1-Dichloroethane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:59:00 PM |
| 1,1-Dichloroethene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:59:00 PM |
| 1,2,4-Trichlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:59:00 PM |
| 1,2,4-Trimethylbenzene | 6.6 | 1.5 | | ppbV | 10 | 10/31/2017 2:29:00 AM |
| 1,2-Dibromoethane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:59:00 PM |
| 1,2-Dichlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:59:00 PM |
| 1,2-Dichloroethane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:59:00 PM |
| 1,2-Dichloropropane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:59:00 PM |
| 1,3,5-Trimethylbenzene | 1.7 | 1.5 | | ppbV | 10 | 10/31/2017 2:29:00 AM |
| 1,3-butadiene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:59:00 PM |
| 1,3-Dichlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:59:00 PM |
| 1,4-Dichlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:59:00 PM |
| 1,4-Dioxane | < 0.30 | 0.30 | | ppbV | 1 | 10/30/2017 6:59:00 PM |
| 2,2,4-trimethylpentane | 7.0 | 1.5 | | ppbV | 10 | 10/31/2017 2:29:00 AM |
| 4-ethyltoluene | 2.1 | 1.5 | | ppbV | 10 | 10/31/2017 2:29:00 AM |
| Acetone | 140 | 81 | | ppbV | 270 | 10/31/2017 9:01:00 AM |
| Allyl chloride | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:59:00 PM |
| Benzene | 10 | 1.5 | | ppbV | 10 | 10/31/2017 2:29:00 AM |
| Benzyl chloride | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:59:00 PM |
| Bromodichloromethane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:59:00 PM |
| Bromoform | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:59:00 PM |
| Bromomethane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:59:00 PM |
| Carbon disulfide | 1.9 | 0.15 | | ppbV | 1 | 10/30/2017 6:59:00 PM |
| Carbon tetrachloride | 0.080 | 0.040 | | ppbV | 1 | 10/30/2017 6:59:00 PM |
| Chlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:59:00 PM |
| Chloroethane | 0.14 | 0.15 | J | ppbV | 1 | 10/30/2017 6:59:00 PM |
| Chloroform | 0.14 | 0.15 | J | ppbV | 1 | 10/30/2017 6:59:00 PM |
| Chloromethane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:59:00 PM |
| cis-1,2-Dichloroethene | 0.81 | 0.15 | | ppbV | 1 | 10/30/2017 6:59:00 PM |
| cis-1,3-Dichloropropene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:59:00 PM |
| Cyclohexane | 3.9 | 1.5 | | ppbV | 10 | 10/31/2017 2:29:00 AM |
| Dibromochloromethane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:59:00 PM |
| Ethyl acetate | 1.1 | 0.15 | | ppbV | 1 | 10/30/2017 6:59:00 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: 20-Nov-17

CLIENT: LaBella Associates, P.C.

Client Sample ID: 2017_10_24_EX2

Lab Order: C1710061

Tag Number: 96.297

Project: 300 Commerce Dr

Collection Date: 10/24/2017

Lab ID: C1710061-005A

Matrix: AIR

| Analyses | Result | **Limit | Qual | Units | DF | Date Analyzed |
|-------------------------------|---------|---------|-------|-------|--------------|-----------------------|
| 1UG/M3 W/ 0.25UG/M3 CT-TCE-VC | | | TO-15 | | Analyst: RJP | |
| Ethylbenzene | 10 | 1.5 | | ppbV | 10 | 10/31/2017 2:29:00 AM |
| Freon 11 | 0.32 | 0.15 | | ppbV | 1 | 10/30/2017 6:59:00 PM |
| Freon 113 | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:59:00 PM |
| Freon 114 | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:59:00 PM |
| Freon 12 | 0.62 | 0.15 | | ppbV | 1 | 10/30/2017 6:59:00 PM |
| Heptane | 7.6 | 1.5 | | ppbV | 10 | 10/31/2017 2:29:00 AM |
| Hexachloro-1,3-butadiene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:59:00 PM |
| Hexane | 4.1 | 1.5 | | ppbV | 10 | 10/31/2017 2:29:00 AM |
| Isopropyl alcohol | 510 | 40 | | ppbV | 270 | 10/31/2017 9:01:00 AM |
| m&p-Xylene | 40 | 3.0 | | ppbV | 10 | 10/31/2017 2:29:00 AM |
| Methyl Butyl Ketone | < 0.30 | 0.30 | | ppbV | 1 | 10/30/2017 6:59:00 PM |
| Methyl Ethyl Ketone | 13 | 3.0 | | ppbV | 10 | 10/31/2017 2:29:00 AM |
| Methyl Isobutyl Ketone | 1.4 | 0.30 | | ppbV | 1 | 10/30/2017 6:59:00 PM |
| Methyl tert-butyl ether | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:59:00 PM |
| Methylene chloride | 0.32 | 0.15 | | ppbV | 1 | 10/30/2017 6:59:00 PM |
| o-Xylene | 12 | 1.5 | | ppbV | 10 | 10/31/2017 2:29:00 AM |
| Propylene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:59:00 PM |
| Styrene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:59:00 PM |
| Tetrachloroethylene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:59:00 PM |
| Tetrahydrofuran | 8.1 | 1.5 | | ppbV | 10 | 10/31/2017 2:29:00 AM |
| Toluene | 70 | 40 | | ppbV | 270 | 10/31/2017 9:01:00 AM |
| trans-1,2-Dichloroethene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:59:00 PM |
| trans-1,3-Dichloropropene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:59:00 PM |
| Trichloroethene | 0.23 | 0.040 | | ppbV | 1 | 10/30/2017 6:59:00 PM |
| Vinyl acetate | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:59:00 PM |
| Vinyl Bromide | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:59:00 PM |
| Vinyl chloride | < 0.040 | 0.040 | | ppbV | 1 | 10/30/2017 6:59:00 PM |
| Surr: Bromofluorobenzene | 108 | 70-130 | | %REC | 1 | 10/30/2017 6:59:00 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: 20-Nov-17

CLIENT: LaBella Associates, P.C.
 Lab Order: C1710061
 Project: 300 Commerce Dr
 Lab ID: C1710061-005A

Client Sample ID: 2017_10_24_EX2
 Tag Number: 96.297
 Collection Date: 10/24/2017
 Matrix: AIR

| Analyses | Result | **Limit | Qual | Units | DF | Date Analyzed |
|-------------------------------|--------|---------|-------|-------|-----|-----------------------|
| 1UG/M3 W/ 0.25UG/M3 CT-TCE-VC | | | TO-15 | | | Analyst: RJP |
| 1,1,1-Trichloroethane | < 0.82 | 0.82 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| 1,1,2,2-Tetrachloroethane | < 1.0 | 1.0 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| 1,1,2-Trichloroethane | < 0.82 | 0.82 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| 1,1-Dichloroethane | < 0.61 | 0.61 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| 1,1-Dichloroethene | < 0.59 | 0.59 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| 1,2,4-Trichlorobenzene | < 1.1 | 1.1 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| 1,2,4-Trimethylbenzene | 32 | 7.4 | | ug/m3 | 10 | 10/31/2017 2:29:00 AM |
| 1,2-Dibromoethane | < 1.2 | 1.2 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| 1,2-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| 1,2-Dichloroethane | < 0.61 | 0.61 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| 1,2-Dichloropropane | < 0.69 | 0.69 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| 1,3,5-Trimethylbenzene | 8.4 | 7.4 | | ug/m3 | 10 | 10/31/2017 2:29:00 AM |
| 1,3-butadiene | < 0.33 | 0.33 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| 1,3-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| 1,4-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| 1,4-Dioxane | < 1.1 | 1.1 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| 2,2,4-trimethylpentane | 33 | 7.0 | | ug/m3 | 10 | 10/31/2017 2:29:00 AM |
| 4-ethyltoluene | 10 | 7.4 | | ug/m3 | 10 | 10/31/2017 2:29:00 AM |
| Acetone | 330 | 190 | | ug/m3 | 270 | 10/31/2017 9:01:00 AM |
| Allyl chloride | < 0.47 | 0.47 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| Benzene | 32 | 4.8 | | ug/m3 | 10 | 10/31/2017 2:29:00 AM |
| Benzyl chloride | < 0.86 | 0.86 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| Bromodichloromethane | < 1.0 | 1.0 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| Bromoform | < 1.6 | 1.6 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| Bromomethane | < 0.58 | 0.58 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| Carbon disulfide | 5.9 | 0.47 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| Carbon tetrachloride | 0.50 | 0.25 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| Chlorobenzene | < 0.69 | 0.69 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| Chloroethane | 0.37 | 0.40 | J | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| Chloroform | 0.68 | 0.73 | J | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| Chloromethane | < 0.31 | 0.31 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| cis-1,2-Dichloroethene | 3.2 | 0.59 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| cis-1,3-Dichloropropene | < 0.68 | 0.68 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| Cyclohexane | 13 | 5.2 | | ug/m3 | 10 | 10/31/2017 2:29:00 AM |
| Dibromochloromethane | < 1.3 | 1.3 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| Ethyl acetate | 3.8 | 0.54 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| Ethylbenzene | 44 | 6.5 | | ug/m3 | 10 | 10/31/2017 2:29:00 AM |
| Freon 11 | 1.8 | 0.84 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| Freon 113 | < 1.1 | 1.1 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| Freon 114 | < 1.0 | 1.0 | | ug/m3 | 1 | 10/30/2017 6:59:00 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: 20-Nov-17

CLIENT: LaBella Associates, P.C.

Client Sample ID: 2017_10_24_EX2

Lab Order: C1710061

Tag Number: 96.297

Project: 300 Commerce Dr

Collection Date: 10/24/2017

Lab ID: C1710061-005A

Matrix: AIR

| Analyses | Result | **Limit | Qual | Units | DF | Date Analyzed |
|-------------------------------|--------|---------|-------|-------|--------------|-----------------------|
| 1UG/M3 W/ 0.25UG/M3 CT-TCE-VC | | | TO-15 | | Analyst: RJP | |
| Freon 12 | 3.1 | 0.74 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| Heptane | 31 | 6.1 | | ug/m3 | 10 | 10/31/2017 2:29:00 AM |
| Hexachloro-1,3-butadiene | < 1.6 | 1.6 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| Hexane | 14 | 5.3 | | ug/m3 | 10 | 10/31/2017 2:29:00 AM |
| Isopropyl alcohol | 1300 | 98 | | ug/m3 | 270 | 10/31/2017 9:01:00 AM |
| m&p-Xylene | 170 | 13 | | ug/m3 | 10 | 10/31/2017 2:29:00 AM |
| Methyl Butyl Ketone | < 1.2 | 1.2 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| Methyl Ethyl Ketone | 38 | 8.8 | | ug/m3 | 10 | 10/31/2017 2:29:00 AM |
| Methyl Isobutyl Ketone | 5.7 | 1.2 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| Methyl tert-butyl ether | < 0.54 | 0.54 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| Methylene chloride | 1.1 | 0.52 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| o-Xylene | 54 | 6.5 | | ug/m3 | 10 | 10/31/2017 2:29:00 AM |
| Propylene | < 0.26 | 0.26 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| Styrene | < 0.64 | 0.64 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| Tetrachloroethylene | < 1.0 | 1.0 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| Tetrahydrofuran | 24 | 4.4 | | ug/m3 | 10 | 10/31/2017 2:29:00 AM |
| Toluene | 260 | 150 | | ug/m3 | 270 | 10/31/2017 9:01:00 AM |
| trans-1,2-Dichloroethene | < 0.59 | 0.59 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| trans-1,3-Dichloropropene | < 0.68 | 0.68 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| Trichloroethene | 1.2 | 0.21 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| Vinyl acetate | < 0.53 | 0.53 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| Vinyl Bromide | < 0.66 | 0.66 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| Vinyl chloride | < 0.10 | 0.10 | | ug/m3 | 1 | 10/30/2017 6:59:00 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

Page 10 of 10

GC/MS VOLATILES-WHOLE AIR

METHOD TO-15

QUALITY CONTROL SUMMARY

Date: 20-Nov-17



CENTEK LABORATORIES, LLC

QC SUMMARY REPORT
SURROGATE RECOVERIES

CLIENT: LaBella Associates, P.C.

Work Order: C1710061

Project: 300 Commerce Dr

Test No: TO-15

Matrix: A

| Sample ID | BR4FBZ | | | | | | | |
|-------------------|--------|--|--|--|--|--|--|--|
| ALCS1UG-103017 | 101 | | | | | | | |
| ALCS1UGD-103017 | 103 | | | | | | | |
| AMB1UG-103017 | 92.0 | | | | | | | |
| C1710061-001A | 100 | | | | | | | |
| C1710061-002A | 99.0 | | | | | | | |
| C1710061-003A | 100 | | | | | | | |
| C1710061-003A MS | 103 | | | | | | | |
| C1710061-003A MSD | 103 | | | | | | | |
| C1710061-004A | 111 | | | | | | | |
| C1710061-005A | 108 | | | | | | | |

| Acronym | Surrogate | QC Limits |
|---------|----------------------|-----------|
| BR4FBZ | = Bromofluorobenzene | 70-130 |

* Surrogate recovery outside acceptance limits

Tune File : C:\HPCHEM\1\DATA2\AO103002.D

Tune Time : 30 Oct 2017 12:03 pm

Daily Calibration File : C:\HPCHEM\1\DATA2\AO103002.D

| File | Sample | DL | Surrogate Recovery % | (IS1) 27378 | (IS2) 126628 | (IS3) 105664 |
|------------|--------------------|-----|----------------------|----------------|-----------------|-----------------|
| AO103003.D | ALCS1UG-103017 | 101 | | 24027 | 109109 | 92655 |
| AO103004.D | AMB1UG-103017 | 92 | | 20826 | 98039 | 81274 |
| AO103005.D | C1710061-003A | 100 | | 21360 | 95496 | 79322 |
| AO103006.D | C1710061-003A MS | 103 | | 22735 | 100638 | 87522 |
| AO103007.D | C1710061-003A MSD | 103 | | 21894 | 98555 | 85601 |
| AO103008.D | C1710061-001A | 100 | | 20047 | 91961 | 79059 |
| AO103009.D | C1710061-002A | 99 | | 20183 | 93298 | 78784 |
| AO103010.D | C1710061-004A | 111 | | 21824 | 101063 | 95601 |
| AO103011.D | C1710061-005A | 108 | | 21806 | 100213 | 95326 |
| AO103012.D | C1710061-003A 2x | 96 | | 26624 | 113590 | 88937 |
| AO103013.D | C1710061-001A 5x | 95 | | 19821 | 87418 | 70227 |
| AO103014.D | C1710061-002A 5x | 97 | | 18362 | 85308 | 69254 |
| AO103015.D | C1710061-004A 10x | 98 | | 18866 | 86880 | 73871 |
| AO103017.D | C1710061-005A 10x | 98 | | 18259 | 83706 | 73328 |
| AO103019.D | ALCS1UGD-103017 | 103 | | 19392 | 86273 | 74810 |
| AO103020.D | C1710061-004A 90x | 92 | | 23038 | 100057 | 80883 |
| AO103021.D | C1710061-005A 270x | 94 | | 17693 | 82431 | 68228 |

t - fails 24hr time check * - fails criteria

Created: Mon Nov 20 08:49:04 2017 MSD #1/



CEN TEK LABORATORIES, LLC

Date: 20-Nov-17

ANALYTICAL QC SUMMARY REPORT

CLIENT: LaBella Associates, P.C.

Work Order: C1710061

Project: 300 Commerce Dr

TestCode: 0.25CT-TCE-VC

| Sample ID: ALCS1UG-103017 | SampType: LCS | TestCode: 0.25CT-TCE- | Units: ppbV | Prep Date: | RunNo: 12887 | | | | | | |
|---------------------------|------------------|-----------------------|-------------|---------------------------|---------------|----------|-----------|-------------|------|----------|------|
| Client ID: ZZZZZ | Batch ID: R12887 | TestNo: TO-15 | | Analysis Date: 10/30/2017 | SeqNo: 149964 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| 1,1,1-Trichloroethane | 1.000 | 0.15 | 1 | 0 | 100 | 70 | 130 | | | | |
| 1,1,2,2-Tetrachloroethane | 0.9900 | 0.15 | 1 | 0 | 99.0 | 70 | 130 | | | | |
| 1,1,2-Trichloroethane | 0.9600 | 0.15 | 1 | 0 | 96.0 | 70 | 130 | | | | |
| 1,1-Dichloroethane | 1.040 | 0.15 | 1 | 0 | 104 | 70 | 130 | | | | |
| 1,1-Dichloroethene | 1.050 | 0.15 | 1 | 0 | 105 | 70 | 130 | | | | |
| 1,2,4-Trichlorobenzene | 0.9800 | 0.15 | 1 | 0 | 98.0 | 70 | 130 | | | | |
| 1,2,4-Trimethylbenzene | 1.130 | 0.15 | 1 | 0 | 113 | 70 | 130 | | | | |
| 1,2-Dibromoethane | 0.9900 | 0.15 | 1 | 0 | 99.0 | 70 | 130 | | | | |
| 1,2-Dichlorobenzene | 1.010 | 0.15 | 1 | 0 | 101 | 70 | 130 | | | | |
| 1,2-Dichloroethane | 0.9800 | 0.15 | 1 | 0 | 98.0 | 70 | 130 | | | | |
| 1,2-Dichloropropane | 0.9900 | 0.15 | 1 | 0 | 99.0 | 70 | 130 | | | | |
| 1,3,5-Trimethylbenzene | 1.100 | 0.15 | 1 | 0 | 110 | 70 | 130 | | | | |
| 1,3-butadiene | 1.220 | 0.15 | 1 | 0 | 122 | 70 | 130 | | | | |
| 1,3-Dichlorobenzene | 0.9900 | 0.15 | 1 | 0 | 99.0 | 70 | 130 | | | | |
| 1,4-Dichlorobenzene | 1.010 | 0.15 | 1 | 0 | 101 | 70 | 130 | | | | |
| 1,4-Dioxane | 1.230 | 0.30 | 1 | 0 | 123 | 70 | 130 | | | | |
| 2,2,4-trimethylpentane | 1.000 | 0.15 | 1 | 0 | 100 | 70 | 130 | | | | |
| 4-ethyltoluene | 1.100 | 0.15 | 1 | 0 | 110 | 70 | 130 | | | | |
| Acetone | 0.9700 | 0.30 | 1 | 0 | 97.0 | 70 | 130 | | | | |
| Allyl chloride | 0.9700 | 0.15 | 1 | 0 | 97.0 | 70 | 130 | | | | |
| Benzene | 0.9700 | 0.15 | 1 | 0 | 97.0 | 70 | 130 | | | | |
| Benzyl chloride | 0.9200 | 0.15 | 1 | 0 | 92.0 | 70 | 130 | | | | |
| Bromodichloromethane | 0.9800 | 0.15 | 1 | 0 | 98.0 | 70 | 130 | | | | |
| Bromoform | 0.9900 | 0.15 | 1 | 0 | 99.0 | 70 | 130 | | | | |
| Bromomethane | 0.9500 | 0.15 | 1 | 0 | 95.0 | 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: C1710061

Project: 300 Commerce Dr

TestCode: 0.25CT-TCE-VC

| Sample ID: ALCS1UG-103017 | SampType: LCS | TestCode: 0.25CT-TCE- | Units: ppbV | Prep Date: | RunNo: 12887 | | | | | | |
|---------------------------|------------------|-----------------------|-------------|---------------------------|---------------|----------|-----------|-------------|------|----------|------|
| Client ID: ZZZZZ | Batch ID: R12887 | TestNo: TO-15 | | Analysis Date: 10/30/2017 | SeqNo: 149964 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Carbon disulfide | 0.9700 | 0.15 | 1 | 0 | 97.0 | 70 | 130 | | | | |
| Carbon tetrachloride | 0.9700 | 0.040 | 1 | 0 | 97.0 | 70 | 130 | | | | |
| Chlorobenzene | 0.9900 | 0.15 | 1 | 0 | 99.0 | 70 | 130 | | | | |
| Chloroethane | 0.9400 | 0.15 | 1 | 0 | 94.0 | 70 | 130 | | | | |
| Chloroform | 1.010 | 0.15 | 1 | 0 | 101 | 70 | 130 | | | | |
| Chloromethane | 0.9600 | 0.15 | 1 | 0 | 96.0 | 70 | 130 | | | | |
| cis-1,2-Dichloroethene | 0.9600 | 0.15 | 1 | 0 | 96.0 | 70 | 130 | | | | |
| cis-1,3-Dichloropropene | 0.9200 | 0.15 | 1 | 0 | 92.0 | 70 | 130 | | | | |
| Cyclohexane | 1.010 | 0.15 | 1 | 0 | 101 | 70 | 130 | | | | |
| Dibromochloromethane | 1.000 | 0.15 | 1 | 0 | 100 | 70 | 130 | | | | |
| Ethyl acetate | 0.9900 | 0.15 | 1 | 0 | 99.0 | 70 | 130 | | | | |
| Ethylbenzene | 0.9700 | 0.15 | 1 | 0 | 97.0 | 70 | 130 | | | | |
| Freon 11 | 0.9500 | 0.15 | 1 | 0 | 95.0 | 70 | 130 | | | | |
| Freon 113 | 1.070 | 0.15 | 1 | 0 | 107 | 70 | 130 | | | | |
| Freon 114 | 0.9500 | 0.15 | 1 | 0 | 95.0 | 70 | 130 | | | | |
| Freon 12 | 0.9700 | 0.15 | 1 | 0 | 97.0 | 70 | 130 | | | | |
| Heptane | 0.9500 | 0.15 | 1 | 0 | 95.0 | 70 | 130 | | | | |
| Hexachloro-1,3-butadiene | 0.9600 | 0.15 | 1 | 0 | 96.0 | 70 | 130 | | | | |
| Hexane | 1.030 | 0.15 | 1 | 0 | 103 | 70 | 130 | | | | |
| Isopropyl alcohol | 0.9200 | 0.15 | 1 | 0 | 92.0 | 70 | 130 | | | | |
| m&p-Xylene | 2.030 | 0.30 | 2 | 0 | 102 | 70 | 130 | | | | |
| Methyl Butyl Ketone | 1.340 | 0.30 | 1 | 0 | 134 | 70 | 130 | | | | S |
| Methyl Ethyl Ketone | 1.000 | 0.30 | 1 | 0 | 100 | 70 | 130 | | | | |
| Methyl Isobutyl Ketone | 1.120 | 0.30 | 1 | 0 | 112 | 70 | 130 | | | | |
| Methyl tert-butyl ether | 1.040 | 0.15 | 1 | 0 | 104 | 70 | 130 | | | | |
| Methylene chloride | 0.9900 | 0.15 | 1 | 0 | 99.0 | 70 | 130 | | | | |
| o-Xylene | 1.000 | 0.15 | 1 | 0 | 100 | 70 | 130 | | | | |
| Propylene | 1.060 | 0.15 | 1 | 0 | 106 | 70 | 130 | | | | |
| Styrene | 1.060 | 0.15 | 1 | 0 | 106 | 70 | 130 | | | | |
| Tetrachloroethylene | 0.9900 | 0.15 | 1 | 0 | 99.0 | 70 | 130 | | | | |
| Tetrahydrofuran | 0.9900 | 0.15 | 1 | 0 | 99.0 | 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: C1710061
 Project: 300 Commerce Dr

TestCode: 0.25CT-TCE-VC

| | | | | | | | | | | | |
|---------------------------|------------------|-----------------------|-------------|---------------------------|---------------|----------|-----------|-------------|------|----------|------|
| Sample ID: ALCS1UG-103017 | SampType: LCS | TestCode: 0.25CT-TCE- | Units: ppbV | Prep Date: | RunNo: 12887 | | | | | | |
| Client ID: ZZZZZ | Batch ID: R12887 | TestNo: TO-15 | | Analysis Date: 10/30/2017 | SeqNo: 149964 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Toluene | 0.9900 | 0.15 | 1 | 0 | 99.0 | 70 | 130 | | | | |
| trans-1,2-Dichloroethene | 0.9500 | 0.15 | 1 | 0 | 95.0 | 70 | 130 | | | | |
| trans-1,3-Dichloropropene | 0.8400 | 0.15 | 1 | 0 | 84.0 | 70 | 130 | | | | |
| Trichloroethene | 0.9300 | 0.040 | 1 | 0 | 93.0 | 70 | 130 | | | | |
| Vinyl acetate | 0.9500 | 0.15 | 1 | 0 | 95.0 | 70 | 130 | | | | |
| Vinyl Bromide | 0.9100 | 0.15 | 1 | 0 | 91.0 | 70 | 130 | | | | |
| Vinyl chloride | 0.9200 | 0.040 | 1 | 0 | 92.0 | 70 | 130 | | | | |

| Sample ID: ALCS1UGD-103017 | SampType: LCSD | TestCode: 0.25CT-TCE- | Units: ppbV | Prep Date: | RunNo: 12887 | | | | | | |
|----------------------------|------------------|-----------------------|-------------|---------------------------|---------------|----------|-----------|-------------|-------|----------|------|
| Client ID: ZZZZZ | Batch ID: R12887 | TestNo: TO-15 | | Analysis Date: 10/31/2017 | SeqNo: 149965 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| 1,1,1-Trichloroethane | 1.060 | 0.15 | 1 | 0 | 106 | 70 | 130 | 1 | 5.83 | 30 | |
| 1,1,2,2-Tetrachloroethane | 1.060 | 0.15 | 1 | 0 | 106 | 70 | 130 | 0.99 | 6.83 | 30 | |
| 1,1,2-Trichloroethane | 1.040 | 0.15 | 1 | 0 | 104 | 70 | 130 | 0.96 | 8.00 | 30 | |
| 1,1-Dichloroethane | 0.9900 | 0.15 | 1 | 0 | 99.0 | 70 | 130 | 1.04 | 4.93 | 30 | |
| 1,1-Dichloroethene | 1.050 | 0.15 | 1 | 0 | 105 | 70 | 130 | 1.05 | 0 | 30 | |
| 1,2,4-Trichlorobenzene | 1.000 | 0.15 | 1 | 0 | 100 | 70 | 130 | 0.98 | 2.02 | 30 | |
| 1,2,4-Trimethylbenzene | 0.9500 | 0.15 | 1 | 0 | 95.0 | 70 | 130 | 1.13 | 17.3 | 30 | |
| 1,2-Dibromoethane | 1.010 | 0.15 | 1 | 0 | 101 | 70 | 130 | 0.99 | 2.00 | 30 | |
| 1,2-Dichlorobenzene | 1.090 | 0.15 | 1 | 0 | 109 | 70 | 130 | 1.01 | 7.62 | 30 | |
| 1,2-Dichloroethane | 0.9800 | 0.15 | 1 | 0 | 98.0 | 70 | 130 | 0.98 | 0 | 30 | |
| 1,2-Dichloropropane | 1.000 | 0.15 | 1 | 0 | 100 | 70 | 130 | 0.99 | 1.01 | 30 | |
| 1,3,5-Trimethylbenzene | 1.040 | 0.15 | 1 | 0 | 104 | 70 | 130 | 1.1 | 5.61 | 30 | |
| 1,3-butadiene | 1.030 | 0.15 | 1 | 0 | 103 | 70 | 130 | 1.22 | 16.9 | 30 | |
| 1,3-Dichlorobenzene | 1.060 | 0.15 | 1 | 0 | 106 | 70 | 130 | 0.99 | 6.83 | 30 | |
| 1,4-Dichlorobenzene | 1.080 | 0.15 | 1 | 0 | 108 | 70 | 130 | 1.01 | 6.70 | 30 | |
| 1,4-Dioxane | 1.290 | 0.30 | 1 | 0 | 129 | 70 | 130 | 1.23 | 4.76 | 30 | |
| 2,2,4-trimethylpentane | 1.010 | 0.15 | 1 | 0 | 101 | 70 | 130 | 1 | 0.995 | 30 | |
| 4-ethyltoluene | 1.000 | 0.15 | 1 | 0 | 100 | 70 | 130 | 1.1 | 9.52 | 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: C1710061

Project: 300 Commerce Dr

TestCode: 0.25CT-TCE-VC

| Sample ID: ALCS1UGD-103017 | | SampType: LCSD | | TestCode: 0.25CT-TCE- | | Units: ppbV | | Prep Date: | | RunNo: 12887 | |
|----------------------------|--------|------------------|-----------|-----------------------|------|---------------------------|-----------|---------------|-------|--------------|------|
| Client ID: ZZZZZ | | Batch ID: R12887 | | TestNo: TO-15 | | Analysis Date: 10/31/2017 | | SeqNo: 149965 | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Acetone | 0.9700 | 0.30 | 1 | 0 | 97.0 | 70 | 130 | 0.97 | 0 | 30 | |
| Allyl chloride | 0.9000 | 0.15 | 1 | 0 | 90.0 | 70 | 130 | 0.97 | 7.49 | 30 | |
| Benzene | 0.9900 | 0.15 | 1 | 0 | 99.0 | 70 | 130 | 0.97 | 2.04 | 30 | |
| Benzyl chloride | 1.090 | 0.15 | 1 | 0 | 109 | 70 | 130 | 0.92 | 16.9 | 30 | |
| Bromodichloromethane | 1.030 | 0.15 | 1 | 0 | 103 | 70 | 130 | 0.98 | 4.98 | 30 | |
| Bromoform | 1.030 | 0.15 | 1 | 0 | 103 | 70 | 130 | 0.99 | 3.96 | 30 | |
| Bromomethane | 1.000 | 0.15 | 1 | 0 | 100 | 70 | 130 | 0.95 | 5.13 | 30 | |
| Carbon disulfide | 0.9200 | 0.15 | 1 | 0 | 92.0 | 70 | 130 | 0.97 | 5.29 | 30 | |
| Carbon tetrachloride | 1.020 | 0.040 | 1 | 0 | 102 | 70 | 130 | 0.97 | 5.03 | 30 | |
| Chlorobenzene | 1.020 | 0.15 | 1 | 0 | 102 | 70 | 130 | 0.99 | 2.99 | 30 | |
| Chloroethane | 0.9700 | 0.15 | 1 | 0 | 97.0 | 70 | 130 | 0.94 | 3.14 | 30 | |
| Chloroform | 1.020 | 0.15 | 1 | 0 | 102 | 70 | 130 | 1.01 | 0.985 | 30 | |
| Chloromethane | 1.060 | 0.15 | 1 | 0 | 106 | 70 | 130 | 0.96 | 9.90 | 30 | |
| cis-1,2-Dichloroethene | 0.9600 | 0.15 | 1 | 0 | 96.0 | 70 | 130 | 0.96 | 0 | 30 | |
| cis-1,3-Dichloropropene | 0.9900 | 0.15 | 1 | 0 | 99.0 | 70 | 130 | 0.92 | 7.33 | 30 | |
| Cyclohexane | 1.000 | 0.15 | 1 | 0 | 100 | 70 | 130 | 1.01 | 0.995 | 30 | |
| Dibromochloromethane | 1.050 | 0.15 | 1 | 0 | 105 | 70 | 130 | 1 | 4.88 | 30 | |
| Ethyl acetate | 0.9300 | 0.15 | 1 | 0 | 93.0 | 70 | 130 | 0.99 | 6.25 | 30 | |
| Ethylbenzene | 0.9700 | 0.15 | 1 | 0 | 97.0 | 70 | 130 | 0.97 | 0 | 30 | |
| Freon 11 | 1.060 | 0.15 | 1 | 0 | 106 | 70 | 130 | 0.95 | 10.9 | 30 | |
| Freon 113 | 1.080 | 0.15 | 1 | 0 | 108 | 70 | 130 | 1.07 | 0.930 | 30 | |
| Freon 114 | 1.050 | 0.15 | 1 | 0 | 105 | 70 | 130 | 0.95 | 10.0 | 30 | |
| Freon 12 | 1.030 | 0.15 | 1 | 0 | 103 | 70 | 130 | 0.97 | 6.00 | 30 | |
| Heptane | 0.9400 | 0.15 | 1 | 0 | 94.0 | 70 | 130 | 0.95 | 1.06 | 30 | |
| Hexachloro-1,3-butadiene | 1.030 | 0.15 | 1 | 0 | 103 | 70 | 130 | 0.96 | 7.04 | 30 | |
| Hexane | 0.9900 | 0.15 | 1 | 0 | 99.0 | 70 | 130 | 1.03 | 3.96 | 30 | |
| isopropyl alcohol | 0.9700 | 0.15 | 1 | 0 | 97.0 | 70 | 130 | 0.92 | 5.29 | 30 | |
| m&p-Xylene | 1.960 | 0.30 | 2 | 0 | 98.0 | 70 | 130 | 2.03 | 3.51 | 30 | |
| Methyl Butyl Ketone | 1.670 | 0.30 | 1 | 0 | 167 | 70 | 130 | 1.34 | 21.9 | 30 | S |
| Methyl Ethyl Ketone | 0.9900 | 0.30 | 1 | 0 | 99.0 | 70 | 130 | 1 | 1.01 | 30 | |
| Methyl Isobutyl Ketone | 1.230 | 0.30 | 1 | 0 | 123 | 70 | 130 | 1.12 | 9.36 | 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: C1710061

Project: 300 Commerce Dr

TestCode: 0.25CT-TCE-VC

| Sample ID: ALCS1UGD-103017 | SampType: LCSD | TestCode: 0.25CT-TCE- | Units: ppbV | Prep Date: | RunNo: 12887 | | | | | | |
|----------------------------|------------------|-----------------------|-------------|---------------------------|---------------|----------|-----------|-------------|------|----------|------|
| Client ID: ZZZZZ | Batch ID: R12887 | TestNo: TO-15 | | Analysis Date: 10/31/2017 | SeqNo: 149965 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Methyl tert-butyl ether | 1.020 | 0.15 | 1 | 0 | 102 | 70 | 130 | 1.04 | 1.94 | 30 | |
| Methylene chloride | 0.9500 | 0.15 | 1 | 0 | 95.0 | 70 | 130 | 0.99 | 4.12 | 30 | |
| o-Xylene | 1.050 | 0.15 | 1 | 0 | 105 | 70 | 130 | 1 | 4.88 | 30 | |
| Propylene | 0.9700 | 0.15 | 1 | 0 | 97.0 | 70 | 130 | 1.06 | 8.87 | 30 | |
| Styrene | 0.9600 | 0.15 | 1 | 0 | 96.0 | 70 | 130 | 1.06 | 9.90 | 30 | |
| Tetrachloroethylene | 1.040 | 0.15 | 1 | 0 | 104 | 70 | 130 | 0.99 | 4.93 | 30 | |
| Tetrahydrofuran | 0.9500 | 0.15 | 1 | 0 | 95.0 | 70 | 130 | 0.99 | 4.12 | 30 | |
| Toluene | 0.9900 | 0.15 | 1 | 0 | 99.0 | 70 | 130 | 0.99 | 0 | 30 | |
| trans-1,2-Dichloroethene | 0.9600 | 0.15 | 1 | 0 | 96.0 | 70 | 130 | 0.95 | 1.05 | 30 | |
| trans-1,3-Dichloropropene | 0.9300 | 0.15 | 1 | 0 | 93.0 | 70 | 130 | 0.84 | 10.2 | 30 | |
| Trichloroethene | 0.9800 | 0.040 | 1 | 0 | 98.0 | 70 | 130 | 0.93 | 5.24 | 30 | |
| Vinyl acetate | 0.9100 | 0.15 | 1 | 0 | 91.0 | 70 | 130 | 0.95 | 4.30 | 30 | |
| Vinyl Bromide | 0.9900 | 0.15 | 1 | 0 | 99.0 | 70 | 130 | 0.91 | 8.42 | 30 | |
| Vinyl chloride | 0.9900 | 0.040 | 1 | 0 | 99.0 | 70 | 130 | 0.92 | 7.33 | 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



CEN TEK LABORATORIES, LLC

Date: 20-Nov-17

ANALYTICAL QC SUMMARY REPORT

CLIENT: LaBella Associates, P.C.

Work Order: C1710061

Project: 300 Commerce Dr

TestCode: 0.25CT-TCE-VC

| | | | | | | | | | | | |
|---------------------------|------------------|-----------------------|-------------|---------------------------|---------------|----------|-----------|-------------|------|----------|------|
| Sample ID: AMB1UG-103017 | SampType: MBLK | TestCode: 0.25CT-TCE- | Units: ppbV | Prep Date: | RunNo: 12887 | | | | | | |
| Client ID: ZZZZZ | Batch ID: R12887 | TestNo: TO-15 | | Analysis Date: 10/30/2017 | SeqNo: 149963 | | | | | | |
| 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 | < 0.15 | 0.15 | | | | | | | | | |
| 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: C1710061

Project: 300 Commerce Dr

TestCode: 0.25CT-TCE-VC

| Sample ID: AMB1UG-103017 | SampType: MBLK | TestCode: 0.25CT-TCE- | Units: ppbV | Prep Date: | RunNo: 12887 | | | | | | |
|--------------------------|------------------|-----------------------|-------------|---------------------------|---------------|----------|-----------|-------------|------|----------|------|
| Client ID: ZZZZZ | Batch ID: R12887 | TestNo: TO-15 | | Analysis Date: 10/30/2017 | SeqNo: 149963 | | | | | | |
| 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 | < 0.040 | 0.040 | | | | | | | | | |
| Chlorobenzene | < 0.15 | 0.15 | | | | | | | | | |
| Chloroethane | < 0.15 | 0.15 | | | | | | | | | |
| Chloroform | < 0.15 | 0.15 | | | | | | | | | |
| Chloromethane | < 0.15 | 0.15 | | | | | | | | | |
| cis-1,2-Dichloroethene | < 0.15 | 0.15 | | | | | | | | | |
| 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

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

CLIENT: LaBella Associates, P.C.

Work Order: C1710061

Project: 300 Commerce Dr

TestCode: 0.25CT-TCE-VC

| | | | | | | | | | | | |
|---------------------------|------------------|-----------------------|-------------|---------------------------|---------------|----------|-----------|-------------|------|----------|------|
| Sample ID: AMB1UG-103017 | SampType: MBLK | TestCode: 0.25CT-TCE- | Units: ppbV | Prep Date: | RunNo: 12887 | | | | | | |
| Client ID: ZZZZZ | Batch ID: R12887 | TestNo: TO-15 | | Analysis Date: 10/30/2017 | SeqNo: 149963 | | | | | | |
| 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 | < 0.040 | 0.040 | | | | | | | | | |
| 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



CEN TEK LABORATORIES, LLC

Date: 20-Nov-17

ANALYTICAL QC SUMMARY REPORT

CLIENT: LaBella Associates, P.C.

Work Order: C1710061

Project: 300 Commerce Dr

TestCode: 0.25CT-TCE-VC

| Sample ID: C1710061-003A MS | SampType: MS | TestCode: 0.25CT-TCE- | Units: ppbV | Prep Date: | RunNo: 12887 | | | | | | |
|------------------------------|------------------|-----------------------|-------------|---------------------------|---------------|----------|-----------|-------------|------|----------|------|
| Client ID: 2017_10_24_Outdoo | Batch ID: R12887 | TestNo: TO-15 | | Analysis Date: 10/30/2017 | SeqNo: 149971 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| 1,1,1-Trichloroethane | 0.9800 | 0.15 | 1 | 0 | 98.0 | 70 | 130 | | | | |
| 1,1,2,2-Tetrachloroethane | 0.9600 | 0.15 | 1 | 0 | 96.0 | 70 | 130 | | | | |
| 1,1,2-Trichloroethane | 0.9300 | 0.15 | 1 | 0 | 93.0 | 70 | 130 | | | | |
| 1,1-Dichloroethane | 0.9500 | 0.15 | 1 | 0 | 95.0 | 70 | 130 | | | | |
| 1,1-Dichloroethene | 0.9800 | 0.15 | 1 | 0 | 98.0 | 70 | 130 | | | | |
| 1,2,4-Trichlorobenzene | 1.310 | 0.15 | 1 | 0 | 131 | 70 | 130 | | | | S |
| 1,2,4-Trimethylbenzene | 1.490 | 0.15 | 1 | 0 | 149 | 70 | 130 | | | | S |
| 1,2-Dibromoethane | 0.9100 | 0.15 | 1 | 0 | 91.0 | 70 | 130 | | | | |
| 1,2-Dichlorobenzene | 0.9700 | 0.15 | 1 | 0 | 97.0 | 70 | 130 | | | | |
| 1,2-Dichloroethane | 0.9300 | 0.15 | 1 | 0 | 93.0 | 70 | 130 | | | | |
| 1,2-Dichloropropane | 0.9200 | 0.15 | 1 | 0 | 92.0 | 70 | 130 | | | | |
| 1,3,5-Trimethylbenzene | 1.040 | 0.15 | 1 | 0 | 104 | 70 | 130 | | | | |
| 1,3-butadiene | 1.350 | 0.15 | 1 | 0 | 135 | 70 | 130 | | | | S |
| 1,3-Dichlorobenzene | 1.000 | 0.15 | 1 | 0 | 100 | 70 | 130 | | | | |
| 1,4-Dichlorobenzene | 1.020 | 0.15 | 1 | 0 | 102 | 70 | 130 | | | | |
| 1,4-Dioxane | 1.080 | 0.30 | 1 | 0 | 108 | 70 | 130 | | | | |
| 2,2,4-trimethylpentane | 0.9700 | 0.15 | 1 | 0 | 97.0 | 70 | 130 | | | | |
| 4-ethyltoluene | 1.020 | 0.15 | 1 | 0 | 102 | 70 | 130 | | | | |
| Acetone | 5.310 | 0.30 | 1 | 4.4 | 91.0 | 70 | 130 | | | | |
| Allyl chloride | 0.9100 | 0.15 | 1 | 0 | 91.0 | 70 | 130 | | | | |
| Benzene | 1.000 | 0.15 | 1 | 0 | 100 | 70 | 130 | | | | |
| Benzyl chloride | 1.040 | 0.15 | 1 | 0 | 104 | 70 | 130 | | | | |
| Bromodichloromethane | 0.9400 | 0.15 | 1 | 0 | 94.0 | 70 | 130 | | | | |
| Bromoform | 0.9400 | 0.15 | 1 | 0 | 94.0 | 70 | 130 | | | | |
| Bromomethane | 0.9400 | 0.15 | 1 | 0 | 94.0 | 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: C1710061

Project: 300 Commerce Dr

TestCode: 0.25CT-TCE-VC

| Sample ID: C1710061-003A MS | | SampType: MS | | TestCode: 0.25CT-TCE- | | Units: ppbV | | Prep Date: | | RunNo: 12887 | |
|------------------------------|--------|------------------|-----------|-----------------------|------|---------------------------|-----------|---------------|------|--------------|------|
| Client ID: 2017_10_24_Outdoo | | Batch ID: R12887 | | TestNo: TO-15 | | Analysis Date: 10/30/2017 | | SeqNo: 149971 | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Carbon disulfide | 0.9100 | 0.15 | 1 | 0 | 91.0 | 70 | 130 | | | | |
| Carbon tetrachloride | 1.010 | 0.040 | 1 | 0.07 | 94.0 | 70 | 130 | | | | |
| Chlorobenzene | 0.9200 | 0.15 | 1 | 0 | 92.0 | 70 | 130 | | | | |
| Chloroethane | 0.9400 | 0.15 | 1 | 0 | 94.0 | 70 | 130 | | | | |
| Chloroform | 0.9600 | 0.15 | 1 | 0 | 96.0 | 70 | 130 | | | | |
| Chloromethane | 1.290 | 0.15 | 1 | 0.39 | 90.0 | 70 | 130 | | | | |
| cis-1,2-Dichloroethene | 0.8800 | 0.15 | 1 | 0 | 88.0 | 70 | 130 | | | | |
| cis-1,3-Dichloropropene | 0.8800 | 0.15 | 1 | 0 | 88.0 | 70 | 130 | | | | |
| Cyclohexane | 0.9700 | 0.15 | 1 | 0 | 97.0 | 70 | 130 | | | | |
| Dibromochloromethane | 0.9400 | 0.15 | 1 | 0 | 94.0 | 70 | 130 | | | | |
| Ethyl acetate | 0.9200 | 0.15 | 1 | 0 | 92.0 | 70 | 130 | | | | |
| Ethylbenzene | 0.9400 | 0.15 | 1 | 0 | 94.0 | 70 | 130 | | | | |
| Freon 11 | 1.130 | 0.15 | 1 | 0.21 | 92.0 | 70 | 130 | | | | |
| Freon 113 | 1.080 | 0.15 | 1 | 0 | 108 | 70 | 130 | | | | |
| Freon 114 | 0.9600 | 0.15 | 1 | 0 | 96.0 | 70 | 130 | | | | |
| Freon 12 | 1.260 | 0.15 | 1 | 0.44 | 82.0 | 70 | 130 | | | | |
| Heptane | 1.000 | 0.15 | 1 | 0 | 100 | 70 | 130 | | | | |
| Hexachloro-1,3-butadiene | 1.080 | 0.15 | 1 | 0 | 108 | 70 | 130 | | | | |
| Hexane | 1.020 | 0.15 | 1 | 0 | 102 | 70 | 130 | | | | |
| Isopropyl alcohol | 1.310 | 0.15 | 1 | 0.54 | 77.0 | 70 | 130 | | | | |
| m&p-Xylene | 2.050 | 0.30 | 2 | 0.23 | 91.0 | 70 | 130 | | | | |
| Methyl Butyl Ketone | 1.280 | 0.30 | 1 | 0 | 128 | 70 | 130 | | | | |
| Methyl Ethyl Ketone | 1.210 | 0.30 | 1 | 0.33 | 88.0 | 70 | 130 | | | | |
| Methyl Isobutyl Ketone | 1.130 | 0.30 | 1 | 0.11 | 102 | 70 | 130 | | | | |
| Methyl tert-butyl ether | 0.9100 | 0.15 | 1 | 0 | 91.0 | 70 | 130 | | | | |
| Methylene chloride | 1.680 | 0.15 | 1 | 0.26 | 142 | 70 | 130 | | | | S |
| o-Xylene | 1.060 | 0.15 | 1 | 0.1 | 96.0 | 70 | 130 | | | | |
| Propylene | 1.280 | 0.15 | 1 | 0 | 128 | 70 | 130 | | | | |
| Styrene | 1.010 | 0.15 | 1 | 0 | 101 | 70 | 130 | | | | |
| Tetrachloroethylene | 0.9600 | 0.15 | 1 | 0 | 96.0 | 70 | 130 | | | | |
| Tetrahydrofuran | 0.9000 | 0.15 | 1 | 0 | 90.0 | 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: C1710061

Project: 300 Commerce Dr

TestCode: 0.25CT-TCE-VC

| Sample ID: C1710061-003A MS | SampType: MS | TestCode: 0.25CT-TCE- | Units: ppbV | Prep Date: | RunNo: 12887 | | | | | | |
|------------------------------|------------------|-----------------------|-------------|---------------------------|---------------|----------|-----------|-------------|------|----------|------|
| Client ID: 2017_10_24_Outdoo | Batch ID: R12887 | TestNo: TO-15 | | Analysis Date: 10/30/2017 | SeqNo: 149971 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Toluene | 1.610 | 0.15 | 1 | 0.77 | 84.0 | 70 | 130 | | | | |
| trans-1,2-Dichloroethene | 0.9100 | 0.15 | 1 | 0 | 91.0 | 70 | 130 | | | | |
| trans-1,3-Dichloropropene | 0.8200 | 0.15 | 1 | 0 | 82.0 | 70 | 130 | | | | |
| Trichloroethene | 0.9000 | 0.040 | 1 | 0 | 90.0 | 70 | 130 | | | | |
| Vinyl acetate | 0.8700 | 0.15 | 1 | 0 | 87.0 | 70 | 130 | | | | |
| Vinyl Bromide | 0.9200 | 0.15 | 1 | 0 | 92.0 | 70 | 130 | | | | |
| Vinyl chloride | 0.8900 | 0.040 | 1 | 0 | 89.0 | 70 | 130 | | | | |

| Sample ID: C1710061-003A MS | SampType: MSD | TestCode: 0.25CT-TCE- | Units: ppbV | Prep Date: | RunNo: 12887 | | | | | | |
|------------------------------|------------------|-----------------------|-------------|---------------------------|---------------|----------|-----------|-------------|-------|----------|------|
| Client ID: 2017_10_24_Outdoo | Batch ID: R12887 | TestNo: TO-15 | | Analysis Date: 10/30/2017 | SeqNo: 149972 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| 1,1,1-Trichloroethane | 0.9900 | 0.15 | 1 | 0 | 99.0 | 70 | 130 | 0.98 | 1.02 | 30 | |
| 1,1,2,2-Tetrachloroethane | 0.9500 | 0.15 | 1 | 0 | 95.0 | 70 | 130 | 0.96 | 1.05 | 30 | |
| 1,1,2-Trichloroethane | 0.9200 | 0.15 | 1 | 0 | 92.0 | 70 | 130 | 0.93 | 1.08 | 30 | |
| 1,1-Dichloroethane | 0.9800 | 0.15 | 1 | 0 | 98.0 | 70 | 130 | 0.95 | 3.11 | 30 | |
| 1,1-Dichloroethene | 1.000 | 0.15 | 1 | 0 | 100 | 70 | 130 | 0.98 | 2.02 | 30 | |
| 1,2,4-Trichlorobenzene | 1.330 | 0.15 | 1 | 0 | 133 | 70 | 130 | 1.31 | 1.52 | 30 | S |
| 1,2,4-Trimethylbenzene | 1.500 | 0.15 | 1 | 0 | 150 | 70 | 130 | 1.49 | 0.669 | 30 | S |
| 1,2-Dibromoethane | 0.9500 | 0.15 | 1 | 0 | 95.0 | 70 | 130 | 0.91 | 4.30 | 30 | |
| 1,2-Dichlorobenzene | 0.9900 | 0.15 | 1 | 0 | 99.0 | 70 | 130 | 0.97 | 2.04 | 30 | |
| 1,2-Dichloroethane | 0.9400 | 0.15 | 1 | 0 | 94.0 | 70 | 130 | 0.93 | 1.07 | 30 | |
| 1,2-Dichloropropane | 0.9500 | 0.15 | 1 | 0 | 95.0 | 70 | 130 | 0.92 | 3.21 | 30 | |
| 1,3,5-Trimethylbenzene | 1.070 | 0.15 | 1 | 0 | 107 | 70 | 130 | 1.04 | 2.84 | 30 | |
| 1,3-butadiene | 1.500 | 0.15 | 1 | 0 | 150 | 70 | 130 | 1.35 | 10.5 | 30 | S |
| 1,3-Dichlorobenzene | 1.030 | 0.15 | 1 | 0 | 103 | 70 | 130 | 1 | 2.96 | 30 | |
| 1,4-Dichlorobenzene | 1.030 | 0.15 | 1 | 0 | 103 | 70 | 130 | 1.02 | 0.976 | 30 | |
| 1,4-Dioxane | 1.150 | 0.30 | 1 | 0 | 115 | 70 | 130 | 1.08 | 6.28 | 30 | |
| 2,2,4-trimethylpentane | 0.9800 | 0.15 | 1 | 0 | 98.0 | 70 | 130 | 0.97 | 1.03 | 30 | |
| 4-ethyltoluene | 1.020 | 0.15 | 1 | 0 | 102 | 70 | 130 | 1.02 | 0 | 30 | |

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

CLIENT: LaBella Associates, P.C.

Work Order: C1710061

Project: 300 Commerce Dr

TestCode: 0.25CT-TCE-VC

| Sample ID: C1710061-003A MS | | SampType: MSD | | TestCode: 0.25CT-TCE- | | Units: ppbV | | Prep Date: | | RunNo: 12887 | |
|------------------------------|--------|------------------|-----------|-----------------------|------|---------------------------|-----------|---------------|-------|--------------|------|
| Client ID: 2017_10_24_Outdoo | | Batch ID: R12887 | | TestNo: TO-15 | | Analysis Date: 10/30/2017 | | SeqNo: 149972 | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Acetone | 6.100 | 0.30 | 1 | 4.4 | 170 | 70 | 130 | 5.31 | 13.8 | 30 | S |
| Allyl chloride | 0.9900 | 0.15 | 1 | 0 | 99.0 | 70 | 130 | 0.91 | 8.42 | 30 | |
| Benzene | 1.030 | 0.15 | 1 | 0 | 103 | 70 | 130 | 1 | 2.96 | 30 | |
| Benzyl chloride | 1.060 | 0.15 | 1 | 0 | 106 | 70 | 130 | 1.04 | 1.90 | 30 | |
| Bromodichloromethane | 0.9600 | 0.15 | 1 | 0 | 96.0 | 70 | 130 | 0.94 | 2.11 | 30 | |
| Bromoform | 0.9600 | 0.15 | 1 | 0 | 96.0 | 70 | 130 | 0.94 | 2.11 | 30 | |
| Bromomethane | 0.9600 | 0.15 | 1 | 0 | 96.0 | 70 | 130 | 0.94 | 2.11 | 30 | |
| Carbon disulfide | 0.9200 | 0.15 | 1 | 0 | 92.0 | 70 | 130 | 0.91 | 1.09 | 30 | |
| Carbon tetrachloride | 1.030 | 0.040 | 1 | 0.07 | 96.0 | 70 | 130 | 1.01 | 1.96 | 30 | |
| Chlorobenzene | 0.9400 | 0.15 | 1 | 0 | 94.0 | 70 | 130 | 0.92 | 2.15 | 30 | |
| Chloroethane | 0.9600 | 0.15 | 1 | 0 | 96.0 | 70 | 130 | 0.94 | 2.11 | 30 | |
| Chloroform | 0.9900 | 0.15 | 1 | 0 | 99.0 | 70 | 130 | 0.96 | 3.08 | 30 | |
| Chloromethane | 1.250 | 0.15 | 1 | 0.39 | 86.0 | 70 | 130 | 1.29 | 3.15 | 30 | |
| cis-1,2-Dichloroethene | 0.9300 | 0.15 | 1 | 0 | 93.0 | 70 | 130 | 0.88 | 5.52 | 30 | |
| cis-1,3-Dichloropropene | 0.9000 | 0.15 | 1 | 0 | 90.0 | 70 | 130 | 0.88 | 2.25 | 30 | |
| Cyclohexane | 0.9900 | 0.15 | 1 | 0 | 99.0 | 70 | 130 | 0.97 | 2.04 | 30 | |
| Dibromochloromethane | 0.9400 | 0.15 | 1 | 0 | 94.0 | 70 | 130 | 0.94 | 0 | 30 | |
| Ethyl acetate | 0.9300 | 0.15 | 1 | 0 | 93.0 | 70 | 130 | 0.92 | 1.08 | 30 | |
| Ethylbenzene | 0.9700 | 0.15 | 1 | 0 | 97.0 | 70 | 130 | 0.94 | 3.14 | 30 | |
| Freon 11 | 1.170 | 0.15 | 1 | 0.21 | 96.0 | 70 | 130 | 1.13 | 3.48 | 30 | |
| Freon 113 | 1.060 | 0.15 | 1 | 0 | 106 | 70 | 130 | 1.08 | 1.87 | 30 | |
| Freon 114 | 1.010 | 0.15 | 1 | 0 | 101 | 70 | 130 | 0.96 | 5.08 | 30 | |
| Freon 12 | 1.290 | 0.15 | 1 | 0.44 | 85.0 | 70 | 130 | 1.26 | 2.35 | 30 | |
| Heptane | 1.010 | 0.15 | 1 | 0 | 101 | 70 | 130 | 1 | 0.995 | 30 | |
| Hexachloro-1,3-butadiene | 1.100 | 0.15 | 1 | 0 | 110 | 70 | 130 | 1.08 | 1.83 | 30 | |
| Hexane | 1.050 | 0.15 | 1 | 0 | 105 | 70 | 130 | 1.02 | 2.90 | 30 | |
| Isopropyl alcohol | 1.380 | 0.15 | 1 | 0.54 | 84.0 | 70 | 130 | 1.31 | 5.20 | 30 | |
| m&p-Xylene | 2.060 | 0.30 | 2 | 0.23 | 91.5 | 70 | 130 | 2.05 | 0.487 | 30 | |
| Methyl Butyl Ketone | 1.440 | 0.30 | 1 | 0 | 144 | 70 | 130 | 1.28 | 11.8 | 30 | S |
| Methyl Ethyl Ketone | 1.190 | 0.30 | 1 | 0.33 | 86.0 | 70 | 130 | 1.21 | 1.67 | 30 | |
| Methyl Isobutyl Ketone | 1.170 | 0.30 | 1 | 0.11 | 106 | 70 | 130 | 1.13 | 3.48 | 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: C1710061

Project: 300 Commerce Dr

TestCode: 0.25CT-TCE-VC

| | | | | | | | | | | | |
|------------------------------|--------|------------------|-----------|-----------------------|------|---------------------------|-----------|---------------|-------|--------------|------|
| Sample ID: C1710061-003A MS | | SampType: MSD | | TestCode: 0.25CT-TCE- | | Units: ppbV | | Prep Date: | | RunNo: 12887 | |
| Client ID: 2017_10_24_Outdoo | | Batch ID: R12887 | | TestNo: TO-15 | | Analysis Date: 10/30/2017 | | SeqNo: 149972 | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Methyl tert-butyl ether | 0.9400 | 0.15 | 1 | 0 | 94.0 | 70 | 130 | 0.91 | 3.24 | 30 | |
| Methylene chloride | 2.940 | 0.15 | 1 | 0.26 | 268 | 70 | 130 | 1.68 | 54.5 | 30 | SR |
| o-Xylene | 1.100 | 0.15 | 1 | 0.1 | 100 | 70 | 130 | 1.06 | 3.70 | 30 | |
| Propylene | 1.350 | 0.15 | 1 | 0 | 135 | 70 | 130 | 1.28 | 5.32 | 30 | S |
| Styrene | 1.020 | 0.15 | 1 | 0 | 102 | 70 | 130 | 1.01 | 0.985 | 30 | |
| Tetrachloroethylene | 0.9500 | 0.15 | 1 | 0 | 95.0 | 70 | 130 | 0.96 | 1.05 | 30 | |
| Tetrahydrofuran | 0.9400 | 0.15 | 1 | 0 | 94.0 | 70 | 130 | 0.9 | 4.35 | 30 | |
| Toluene | 1.620 | 0.15 | 1 | 0.77 | 85.0 | 70 | 130 | 1.61 | 0.619 | 30 | |
| trans-1,2-Dichloroethene | 0.8900 | 0.15 | 1 | 0 | 89.0 | 70 | 130 | 0.91 | 2.22 | 30 | |
| trans-1,3-Dichloropropene | 0.8400 | 0.15 | 1 | 0 | 84.0 | 70 | 130 | 0.82 | 2.41 | 30 | |
| Trichloroethene | 0.9200 | 0.040 | 1 | 0 | 92.0 | 70 | 130 | 0.9 | 2.20 | 30 | |
| Vinyl acetate | 0.8900 | 0.15 | 1 | 0 | 89.0 | 70 | 130 | 0.87 | 2.27 | 30 | |
| Vinyl Bromide | 0.9400 | 0.15 | 1 | 0 | 94.0 | 70 | 130 | 0.92 | 2.15 | 30 | |
| Vinyl chloride | 0.9500 | 0.040 | 1 | 0 | 95.0 | 70 | 130 | 0.89 | 6.52 | 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
IDL Study1ug/m3 Detection Limit
October 2017Method TO-15
Units=ppb

| Compound | Amt | IDL #1 | IDL #2 | IDL #3 | IDL #4 | IDL #5 | IDL #8 | IDL #9 | AVG | StdDev | %Rec | IDL |
|--------------------------|-----|--------|--------|--------|--------|--------|--------|--------|------|--------|--------|-------|
| Propylene | 0.3 | 0.33 | 0.33 | 0.32 | 0.32 | 0.37 | 0.33 | 0.33 | 0.33 | 0.02 | 111.0% | 0.054 |
| Freon 12 | 0.3 | 0.35 | 0.35 | 0.35 | 0.36 | 0.35 | 0.32 | 0.36 | 0.35 | 0.01 | 116.2% | 0.042 |
| Chloromethane | 0.3 | 0.34 | 0.35 | 0.34 | 0.33 | 0.36 | 0.34 | 0.3 | 0.34 | 0.02 | 112.4% | 0.059 |
| Freon 114 | 0.3 | 0.34 | 0.37 | 0.36 | 0.37 | 0.37 | 0.32 | 0.33 | 0.35 | 0.02 | 117.1% | 0.066 |
| Vinyl Chloride | 0.3 | 0.33 | 0.32 | 0.35 | 0.35 | 0.34 | 0.32 | 0.32 | 0.33 | 0.01 | 111.0% | 0.043 |
| Butane | 0.3 | 0.35 | 0.34 | 0.37 | 0.37 | 0.39 | 0.33 | 0.35 | 0.36 | 0.02 | 119.0% | 0.065 |
| 1,3-butadiene | 0.3 | 0.3 | 0.38 | 0.34 | 0.35 | 0.36 | 0.29 | 0.31 | 0.33 | 0.03 | 111.0% | 0.105 |
| Bromomethane | 0.3 | 0.35 | 0.36 | 0.39 | 0.38 | 0.37 | 0.35 | 0.36 | 0.37 | 0.02 | 121.9% | 0.048 |
| Chloroethane | 0.3 | 0.36 | 0.33 | 0.35 | 0.38 | 0.41 | 0.36 | 0.34 | 0.36 | 0.03 | 120.5% | 0.084 |
| Ethanol | 0.3 | 0.44 | 0.3 | 0.34 | 0.32 | 0.4 | 0.34 | 0.35 | 0.36 | 0.05 | 118.6% | 0.152 |
| Acrolein | 0.3 | 0.36 | 0.35 | 0.34 | 0.36 | 0.37 | 0.36 | 0.35 | 0.36 | 0.01 | 118.6% | 0.031 |
| Vinyl Bromide | 0.3 | 0.35 | 0.35 | 0.38 | 0.36 | 0.37 | 0.34 | 0.35 | 0.36 | 0.01 | 119.0% | 0.043 |
| Freon 11 | 0.3 | 0.35 | 0.34 | 0.35 | 0.36 | 0.37 | 0.33 | 0.35 | 0.35 | 0.01 | 116.7% | 0.041 |
| Acetone | 0.3 | 0.34 | 0.34 | 0.39 | 0.37 | 0.32 | 0.35 | 0.29 | 0.34 | 0.03 | 114.3% | 0.102 |
| Pentane | 0.3 | 0.36 | 0.35 | 0.36 | 0.36 | 0.35 | 0.3 | 0.38 | 0.35 | 0.02 | 117.1% | 0.078 |
| Isopropyl alcohol | 0.3 | 0.36 | 0.35 | 0.37 | 0.4 | 0.39 | 0.32 | 0.35 | 0.36 | 0.03 | 121.0% | 0.085 |
| 1,1-dichloroethene | 0.3 | 0.37 | 0.3 | 0.32 | 0.37 | 0.32 | 0.28 | 0.31 | 0.32 | 0.03 | 108.1% | 0.107 |
| Freon 113 | 0.3 | 0.33 | 0.3 | 0.32 | 0.32 | 0.32 | 0.31 | 0.31 | 0.32 | 0.01 | 105.2% | 0.031 |
| t-Butyl alcohol | 0.3 | 0.3 | 0.31 | 0.32 | 0.33 | 0.33 | 0.24 | 0.3 | 0.30 | 0.03 | 101.4% | 0.097 |
| Methylene chloride | 0.3 | 0.35 | 0.34 | 0.35 | 0.35 | 0.35 | 0.33 | 0.31 | 0.34 | 0.02 | 113.3% | 0.048 |
| Allyl chloride | 0.3 | 0.35 | 0.3 | 0.32 | 0.31 | 0.32 | 0.32 | 0.31 | 0.32 | 0.02 | 106.2% | 0.049 |
| Carbon disulfide | 0.3 | 0.33 | 0.32 | 0.31 | 0.34 | 0.33 | 0.32 | 0.32 | 0.32 | 0.01 | 108.1% | 0.031 |
| trans-1,2-dichloroethene | 0.3 | 0.31 | 0.3 | 0.33 | 0.31 | 0.32 | 0.31 | 0.3 | 0.31 | 0.01 | 103.8% | 0.034 |
| methyl tert-butyl ether | 0.3 | 0.31 | 0.3 | 0.32 | 0.32 | 0.33 | 0.3 | 0.31 | 0.31 | 0.01 | 104.3% | 0.035 |
| 1,1-dichloroethane | 0.3 | 0.32 | 0.31 | 0.29 | 0.32 | 0.32 | 0.31 | 0.31 | 0.31 | 0.01 | 103.8% | 0.034 |
| Vinyl acetate | 0.3 | 0.32 | 0.32 | 0.29 | 0.32 | 0.33 | 0.32 | 0.32 | 0.32 | 0.01 | 105.7% | 0.039 |
| Methyl Ethyl Ketone | 0.3 | 0.31 | 0.31 | 0.34 | 0.33 | 0.32 | 0.28 | 0.31 | 0.31 | 0.02 | 104.8% | 0.060 |
| cis-1,2-dichloroethene | 0.3 | 0.32 | 0.31 | 0.28 | 0.31 | 0.32 | 0.3 | 0.31 | 0.31 | 0.01 | 102.4% | 0.043 |
| Hexane | 0.3 | 0.31 | 0.31 | 0.25 | 0.32 | 0.33 | 0.31 | 0.31 | 0.31 | 0.03 | 101.9% | 0.081 |
| Ethyl acetate | 0.3 | 0.28 | 0.32 | 0.32 | 0.33 | 0.33 | 0.29 | 0.31 | 0.31 | 0.02 | 103.8% | 0.061 |
| Chloroform | 0.3 | 0.31 | 0.31 | 0.32 | 0.3 | 0.33 | 0.31 | 0.32 | 0.31 | 0.01 | 104.8% | 0.031 |
| Tetrahydrofuran | 0.3 | 0.33 | 0.3 | 0.3 | 0.33 | 0.3 | 0.3 | 0.32 | 0.31 | 0.01 | 103.8% | 0.046 |
| 1,2-dichloroethane | 0.3 | 0.31 | 0.32 | 0.33 | 0.3 | 0.33 | 0.31 | 0.32 | 0.32 | 0.01 | 105.7% | 0.035 |
| 1,1,1-trichloroethane | 0.3 | 0.33 | 0.32 | 0.33 | 0.34 | 0.34 | 0.31 | 0.33 | 0.33 | 0.01 | 109.5% | 0.034 |
| Cyclohexane | 0.3 | 0.31 | 0.3 | 0.34 | 0.33 | 0.31 | 0.3 | 0.33 | 0.32 | 0.02 | 105.7% | 0.050 |
| Carbon tetrachloride | 0.3 | 0.32 | 0.31 | 0.32 | 0.32 | 0.33 | 0.29 | 0.33 | 0.32 | 0.01 | 105.7% | 0.043 |
| Benzene | 0.3 | 0.31 | 0.32 | 0.32 | 0.33 | 0.32 | 0.3 | 0.32 | 0.32 | 0.01 | 105.7% | 0.030 |
| Methyl methacrylate | 0.3 | 0.3 | 0.32 | 0.31 | 0.33 | 0.33 | 0.3 | 0.32 | 0.32 | 0.01 | 105.2% | 0.040 |

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| Centek Laboratories IDL Study | 1ug/m3 Detection Limit October 2017 | | | | | | | | | | Method TO-15 Units=ppb | |
|----------------------------------|--|------|------|------|------|------|------|------|------|------|---------------------------|-------|
| 1,4-dioxane | 0.3 | 0.28 | 0.29 | 0.31 | 0.32 | 0.32 | 0.24 | 0.26 | 0.29 | 0.03 | 96.2% | 0.097 |
| 2,2,4-trimethylpentane | 0.3 | 0.32 | 0.31 | 0.31 | 0.28 | 0.31 | 0.31 | 0.31 | 0.31 | 0.01 | 102.4% | 0.039 |
| Heptane | 0.3 | 0.32 | 0.3 | 0.3 | 0.33 | 0.33 | 0.3 | 0.31 | 0.31 | 0.01 | 104.3% | 0.043 |
| Trichloroethene | 0.3 | 0.3 | 0.3 | 0.29 | 0.28 | 0.3 | 0.3 | 0.28 | 0.29 | 0.01 | 97.6% | 0.030 |
| 1,2-dichloropropane | 0.3 | 0.32 | 0.31 | 0.31 | 0.35 | 0.31 | 0.31 | 0.32 | 0.32 | 0.01 | 106.2% | 0.046 |
| Bromodichloromethane | 0.3 | 0.32 | 0.33 | 0.33 | 0.34 | 0.33 | 0.32 | 0.31 | 0.33 | 0.01 | 108.6% | 0.031 |
| cis-1,3-dichloropropene | 0.3 | 0.31 | 0.32 | 0.31 | 0.34 | 0.32 | 0.31 | 0.32 | 0.32 | 0.01 | 106.2% | 0.034 |
| trans-1,3-dichloropropene | 0.3 | 0.31 | 0.33 | 0.33 | 0.33 | 0.33 | 0.31 | 0.32 | 0.32 | 0.01 | 107.6% | 0.030 |
| 1,1,2-trichloroethane | 0.3 | 0.32 | 0.34 | 0.33 | 0.32 | 0.33 | 0.3 | 0.32 | 0.32 | 0.01 | 107.6% | 0.039 |
| Toluene | 0.3 | 0.32 | 0.31 | 0.32 | 0.32 | 0.32 | 0.31 | 0.29 | 0.31 | 0.01 | 104.3% | 0.035 |
| Methyl Isobutyl Ketone | 0.3 | 0.27 | 0.29 | 0.28 | 0.31 | 0.31 | 0.2 | 0.23 | 0.27 | 0.04 | 90.0% | 0.130 |
| Dibromochloromethane | 0.3 | 0.32 | 0.32 | 0.32 | 0.32 | 0.33 | 0.31 | 0.3 | 0.32 | 0.01 | 105.7% | 0.030 |
| Methyl Butyl Ketone | 0.3 | 0.23 | 0.25 | 0.26 | 0.29 | 0.29 | 0.2 | 0.2 | 0.25 | 0.04 | 81.9% | 0.119 |
| 1,2-dibromoethane | 0.3 | 0.32 | 0.31 | 0.32 | 0.32 | 0.32 | 0.29 | 0.3 | 0.31 | 0.01 | 103.8% | 0.038 |
| Tetrachloroethylene | 0.3 | 0.31 | 0.3 | 0.32 | 0.31 | 0.31 | 0.29 | 0.3 | 0.31 | 0.01 | 101.9% | 0.031 |
| Chlorobenzene | 0.3 | 0.31 | 0.31 | 0.31 | 0.29 | 0.31 | 0.3 | 0.29 | 0.30 | 0.01 | 101.0% | 0.030 |
| Ethylbenzene | 0.3 | 0.31 | 0.32 | 0.32 | 0.3 | 0.32 | 0.28 | 0.3 | 0.31 | 0.01 | 102.4% | 0.047 |
| m&p-xylene | 0.6 | 0.64 | 0.61 | 0.63 | 0.65 | 0.64 | 0.63 | 0.63 | 0.63 | 0.01 | 105.5% | 0.039 |
| Nonane | 0.3 | 0.31 | 0.35 | 0.32 | 0.32 | 0.32 | 0.3 | 0.3 | 0.32 | 0.02 | 105.7% | 0.054 |
| Styrene | 0.3 | 0.27 | 0.31 | 0.3 | 0.3 | 0.31 | 0.29 | 0.31 | 0.30 | 0.01 | 99.5% | 0.046 |
| Bromoform | 0.3 | 0.3 | 0.32 | 0.32 | 0.32 | 0.33 | 0.31 | 0.31 | 0.32 | 0.01 | 105.2% | 0.031 |
| o-xylene | 0.3 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.35 | 0.31 | 0.32 | 0.01 | 107.6% | 0.039 |
| Cumene | 0.3 | 0.32 | 0.31 | 0.32 | 0.31 | 0.32 | 0.29 | 0.3 | 0.31 | 0.01 | 103.3% | 0.036 |
| Bromofluorobenzene | 1 | 1.01 | 1 | 1 | 0.99 | 1.01 | 1 | 1.02 | 1.00 | 0.01 | 100.4% | 0.031 |
| 1,1,2,2-tetrachloroethane | 0.3 | 0.32 | 0.33 | 0.32 | 0.33 | 0.33 | 0.31 | 0.31 | 0.32 | 0.01 | 107.1% | 0.028 |
| Propylbenzene | 0.3 | 0.32 | 0.3 | 0.31 | 0.3 | 0.3 | 0.29 | 0.3 | 0.30 | 0.01 | 101.0% | 0.030 |
| 2-Chlorotoluene | 0.3 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.27 | 0.3 | 0.30 | 0.01 | 101.0% | 0.047 |
| 4-ethyltoluene | 0.3 | 0.31 | 0.3 | 0.3 | 0.3 | 0.32 | 0.29 | 0.3 | 0.30 | 0.01 | 101.0% | 0.030 |
| 1,3,5-trimethylbenzene | 0.3 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.29 | 0.29 | 0.30 | 0.01 | 101.4% | 0.031 |
| 1,2,4-trimethylbenzene | 0.3 | 0.3 | 0.31 | 0.31 | 0.31 | 0.31 | 0.27 | 0.3 | 0.30 | 0.01 | 100.5% | 0.046 |
| 1,3-dichlorobenzene | 0.3 | 0.31 | 0.3 | 0.3 | 0.3 | 0.3 | 0.27 | 0.3 | 0.30 | 0.01 | 99.0% | 0.039 |
| benzyl chloride | 0.3 | 0.32 | 0.33 | 0.34 | 0.32 | 0.34 | 0.28 | 0.32 | 0.32 | 0.02 | 107.1% | 0.064 |
| 1,4-dichlorobenzene | 0.3 | 0.3 | 0.29 | 0.3 | 0.3 | 0.3 | 0.28 | 0.28 | 0.29 | 0.01 | 97.6% | 0.030 |
| 1,2,3-trimethylbenzene | 0.3 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.28 | 0.31 | 0.31 | 0.01 | 101.9% | 0.036 |
| 1,2-dichlorobenzene | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.27 | 0.3 | 0.30 | 0.01 | 98.6% | 0.036 |
| 1,2,4-trichlorobenzene | 0.3 | 0.27 | 0.28 | 0.27 | 0.27 | 0.28 | 0.25 | 0.27 | 0.27 | 0.01 | 90.0% | 0.031 |
| Naphthalene | 0.3 | 0.27 | 0.27 | 0.27 | 0.27 | 0.28 | 0.22 | 0.25 | 0.26 | 0.02 | 87.1% | 0.054 |
| Hexachloro-1,3-butadiene | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.27 | 0.29 | 0.29 | 0.01 | 98.1% | 0.036 |

Confidential

Centek Laboratories
IDL Study0.2 ug/m3 Detection Limit
October 2017Method TO-15
Units=ppb

| Compound | Amt | IDL #1 | IDL #2 | IDL #3 | IDL #4 | IDL #5 | IDL #9 | IDL #10 | AVG | StdDev | %Rec | IDL |
|----------------------|-----|--------|--------|--------|--------|--------|--------|---------|------|--------|--------|-------|
| Vinyl Chloride | 0.1 | 0.1100 | 0.1300 | 0.1100 | 0.1300 | 0.1200 | 0.1100 | 0.1300 | 0.12 | 0.01 | 120.0% | 0.031 |
| Carbon tetrachloride | 0.1 | 0.0900 | 0.1100 | 0.1100 | 0.1100 | 0.1100 | 0.0900 | 0.1200 | 0.11 | 0.01 | 105.7% | 0.036 |
| Trichloroethene | 0.1 | 0.0900 | 0.1000 | 0.1000 | 0.1000 | 0.1000 | 0.0900 | 0.1200 | 0.10 | 0.01 | 100.0% | 0.031 |

Confidential

GC/MS-Whole Air Calculations

Relative Response Factor (RRF)

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

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

Percent Relative Standard Deviation (%RSD)

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

Percent Difference (%D)

$$\% D = \frac{(RRF_c - \text{mean } RRF_i) * 100}{\text{mean } RRF_i}$$

where: RRF_c = relative response factor from the continuing calibration
 $\text{mean } RRF_i$ = mean relative response factor from the initial calibration

Sample Calculations

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

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

GC/MS VOLATILES-WHOLE AIR

METHOD TO-15

SAMPLE DATA

Centek Laboratories, LLC

Date: 20-Nov-17

CLIENT: LaBella Associates, P.C.
 Lab Order: C1710061
 Project: 300 Commerce Dr
 Lab ID: C1710061-001A

Client Sample ID: 2017_10_24_EX1A
 Tag Number: 322.250
 Collection Date: 10/24/2017
 Matrix: AIR

| Analyses | Result | **Limit | Qual | Units | DF | Date Analyzed |
|--------------------------------------|--------|---------|-------|-------|----|------------------------|
| FIELD PARAMETERS | | | | | | |
| | | | FLD | | | Analyst: |
| Lab Vacuum In | -2 | | | "Hg | | 10/27/2017 |
| Lab Vacuum Out | -30 | | | "Hg | | 10/27/2017 |
| 1UG/M3 W/ 0.25UG/M3 CT-TCE-VC | | | | | | |
| | | | TO-15 | | | Analyst: RJP |
| 1,1,1-Trichloroethane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| 1,1,2,2-Tetrachloroethane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| 1,1,2-Trichloroethane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| 1,1-Dichloroethane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| 1,1-Dichloroethene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| 1,2,4-Trichlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| 1,2,4-Trimethylbenzene | 0.41 | 0.15 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| 1,2-Dibromoethane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| 1,2-Dichlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| 1,2-Dichloroethane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| 1,2-Dichloropropane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| 1,3,5-Trimethylbenzene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| 1,3-butadiene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| 1,3-Dichlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| 1,4-Dichlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| 1,4-Dioxane | < 0.30 | 0.30 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| 2,2,4-trimethylpentane | 0.25 | 0.15 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| 4-ethyltoluene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| Acetone | 4.7 | 1.5 | | ppbV | 5 | 10/31/2017 12:02:00 AM |
| Allyl chloride | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| Benzene | 0.45 | 0.15 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| Benzyl chloride | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| Bromodichloromethane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| Bromoform | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| Bromomethane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| Carbon disulfide | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| Carbon tetrachloride | 0.080 | 0.040 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| Chlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| Chloroethane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| Chloroform | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| Chloromethane | 0.79 | 0.15 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| cis-1,2-Dichloroethene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| cis-1,3-Dichloropropene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| Cyclohexane | 0.16 | 0.15 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| Dibromochloromethane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| Ethyl acetate | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 4:59:00 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. | NID | Not Detected at the Limit of Detection |
| | S | Spike Recovery outside accepted recovery limits | | |

Page 1 of 10

Centek Laboratories, LLC

Date: 20-Nov-17

CLIENT: LaBella Associates, P.C.
 Lab Order: C1710061
 Project: 300 Commerce Dr
 Lab ID: C1710061-001A

Client Sample ID: 2017_10_24_EX1A
 Tag Number: 322.250
 Collection Date: 10/24/2017
 Matrix: AIR

| Analyses | Result | **Limit | Qual | Units | DF | Date Analyzed |
|-------------------------------|---------|---------|------|-------|----|------------------------|
| 1UG/M3 W/ 0.25UG/M3 CT-TCE-VC | | TO-15 | | | | Analyst: RJP |
| Ethylbenzene | 0.42 | 0.15 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| Freon 11 | 0.22 | 0.15 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| Freon 113 | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| Freon 114 | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| Freon 12 | 0.49 | 0.15 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| Heptane | 0.33 | 0.15 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| Hexachloro-1,3-butadiene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| Hexane | 0.20 | 0.15 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| Isopropyl alcohol | 3.6 | 0.75 | | ppbV | 5 | 10/31/2017 12:02:00 AM |
| m&p-Xylene | 1.6 | 0.30 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| Methyl Butyl Ketone | < 0.30 | 0.30 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| Methyl Ethyl Ketone | 0.47 | 0.30 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| Methyl Isobutyl Ketone | < 0.30 | 0.30 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| Methyl tert-butyl ether | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| Methylene chloride | 0.20 | 0.15 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| o-Xylene | 0.62 | 0.15 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| Propylene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| Styrene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| Tetrachloroethylene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| Tetrahydrofuran | 0.30 | 0.15 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| Toluene | 4.2 | 0.75 | | ppbV | 5 | 10/31/2017 12:02:00 AM |
| trans-1,2-Dichloroethene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| trans-1,3-Dichloropropene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| Trichloroethene | < 0.040 | 0.040 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| Vinyl acetate | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| Vinyl Bromide | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| Vinyl chloride | < 0.040 | 0.040 | | ppbV | 1 | 10/30/2017 4:59:00 PM |
| Surr: Bromofluorobenzene | 100 | 70-130 | | %REC | 1 | 10/30/2017 4:59:00 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: 20-Nov-17

CLIENT: LaBella Associates, P.C.
 Lab Order: C1710061
 Project: 300 Commerce Dr
 Lab ID: C1710061-001A

Client Sample ID: 2017_10_24_EX1A
 Tag Number: 322.250
 Collection Date: 10/24/2017
 Matrix: AIR

| Analyses | Result | **Limit | Qual | Units | DF | Date Analyzed |
|-------------------------------|--------|---------|-------|-------|----|------------------------|
| 1UG/M3 W/ 0.25UG/M3 CT-TCE-VC | | | TO-15 | | | Analyst: RJP |
| 1,1,1-Trichloroethane | < 0.82 | 0.82 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| 1,1,2,2-Tetrachloroethane | < 1.0 | 1.0 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| 1,1,2-Trichloroethane | < 0.82 | 0.82 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| 1,1-Dichloroethane | < 0.61 | 0.61 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| 1,1-Dichloroethene | < 0.59 | 0.59 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| 1,2,4-Trichlorobenzene | < 1.1 | 1.1 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| 1,2,4-Trimethylbenzene | 2.0 | 0.74 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| 1,2-Dibromoethane | < 1.2 | 1.2 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| 1,2-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| 1,2-Dichloroethane | < 0.61 | 0.61 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| 1,2-Dichloropropane | < 0.69 | 0.69 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| 1,3,5-Trimethylbenzene | < 0.74 | 0.74 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| 1,3-butadiene | < 0.33 | 0.33 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| 1,3-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| 1,4-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| 1,4-Dioxane | < 1.1 | 1.1 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| 2,2,4-trimethylpentane | 1.2 | 0.70 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| 4-ethyltoluene | < 0.74 | 0.74 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| Acetone | 11 | 3.6 | | ug/m3 | 5 | 10/31/2017 12:02:00 AM |
| Allyl chloride | < 0.47 | 0.47 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| Benzene | 1.4 | 0.48 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| Benzyl chloride | < 0.86 | 0.86 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| Bromodichloromethane | < 1.0 | 1.0 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| Bromoform | < 1.6 | 1.6 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| Bromomethane | < 0.58 | 0.58 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| Carbon disulfide | < 0.47 | 0.47 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| Carbon tetrachloride | 0.50 | 0.25 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| Chlorobenzene | < 0.69 | 0.69 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| Chloroethane | < 0.40 | 0.40 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| Chloroform | < 0.73 | 0.73 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| Chloromethane | 1.6 | 0.31 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| cis-1,2-Dichloroethene | < 0.59 | 0.59 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| cis-1,3-Dichloropropene | < 0.68 | 0.68 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| Cyclohexane | 0.55 | 0.52 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| Dibromochloromethane | < 1.3 | 1.3 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| Ethyl acetate | < 0.54 | 0.54 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| Ethylbenzene | 1.8 | 0.65 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| Freon 11 | 1.2 | 0.84 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| Freon 113 | < 1.1 | 1.1 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| Freon 114 | < 1.0 | 1.0 | | ug/m3 | 1 | 10/30/2017 4:59:00 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: 20-Nov-17

CLIENT: LaBella Associates, P.C.
 Lab Order: C1710061
 Project: 300 Commerce Dr
 Lab ID: C1710061-001A

Client Sample ID: 2017_10_24_EX1A
 Tag Number: 322.250
 Collection Date: 10/24/2017
 Matrix: AIR

| Analyses | Result | **Limit | Qual | Units | DF | Date Analyzed |
|-------------------------------|--------|---------|------|--------------|----|------------------------|
| 1UG/M3 W/ 0.25UG/M3 CT-TCE-VC | | TO-15 | | Analyst: RJP | | |
| Freon 12 | 2.4 | 0.74 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| Heptane | 1.4 | 0.61 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| Hexachloro-1,3-butadiene | < 1.6 | 1.6 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| Hexane | 0.70 | 0.53 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| Isopropyl alcohol | 8.7 | 1.8 | | ug/m3 | 5 | 10/31/2017 12:02:00 AM |
| m&p-Xylene | 7.2 | 1.3 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| Methyl Butyl Ketone | < 1.2 | 1.2 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| Methyl Ethyl Ketone | 1.4 | 0.88 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| Methyl Isobutyl Ketone | < 1.2 | 1.2 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| Methyl tert-butyl ether | < 0.54 | 0.54 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| Methylene chloride | 0.69 | 0.52 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| o-Xylene | 2.7 | 0.65 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| Propylene | < 0.26 | 0.26 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| Styrene | < 0.64 | 0.64 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| Tetrachloroethylene | < 1.0 | 1.0 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| Tetrahydrofuran | 0.88 | 0.44 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| Toluene | 16 | 2.8 | | ug/m3 | 5 | 10/31/2017 12:02:00 AM |
| trans-1,2-Dichloroethene | < 0.59 | 0.59 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| trans-1,3-Dichloropropene | < 0.68 | 0.68 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| Trichloroethene | < 0.21 | 0.21 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| Vinyl acetate | < 0.53 | 0.53 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| Vinyl Bromide | < 0.66 | 0.66 | | ug/m3 | 1 | 10/30/2017 4:59:00 PM |
| Vinyl chloride | < 0.10 | 0.10 | | ug/m3 | 1 | 10/30/2017 4:59:00 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

Page 2 of 10

Data File : C:\HPCHEM\1\DATA2\AO103008.D

Acq On : 30 Oct 2017 4:59 pm

Sample : C1710061-001A

Misc : AN30_1UG

MS Integration Params: RTEINT.P

Quant Time: Oct 30 17:28:34 2017

Vial: 24

Operator: RJP

Inst : MSD #1

Multiplr: 1.00

Quant Results File: AN24_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\AN24_1UG.M (RTE Integrator)

Title : TO-15 VOA Standards for 5 point calibration

Last Update : Wed Oct 25 08:32:47 2017

Response via : Initial Calibration

DataAcq Meth : 1UG_RUN

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------|-------|------|----------|------|-------|----------|
| 1) Bromochloromethane | 10.64 | 128 | 20047 | 1.00 | ppb | 0.00 |
| 35) 1,4-difluorobenzene | 12.86 | 114 | 91961 | 1.00 | ppb | 0.00 |
| 50) Chlorobenzene-d5 | 17.58 | 117 | 79059 | 1.00 | ppb | 0.00 |

System Monitoring Compounds

| | | | | | | |
|------------------------|-------|-------|----------|----------|-----|---------|
| 65) Bromofluorobenzene | 19.31 | 95 | 53240 | 1.00 | ppb | 0.00 |
| Spiked Amount | 1.000 | Range | 70 ~ 130 | Recovery | = | 100.00% |

Target Compounds

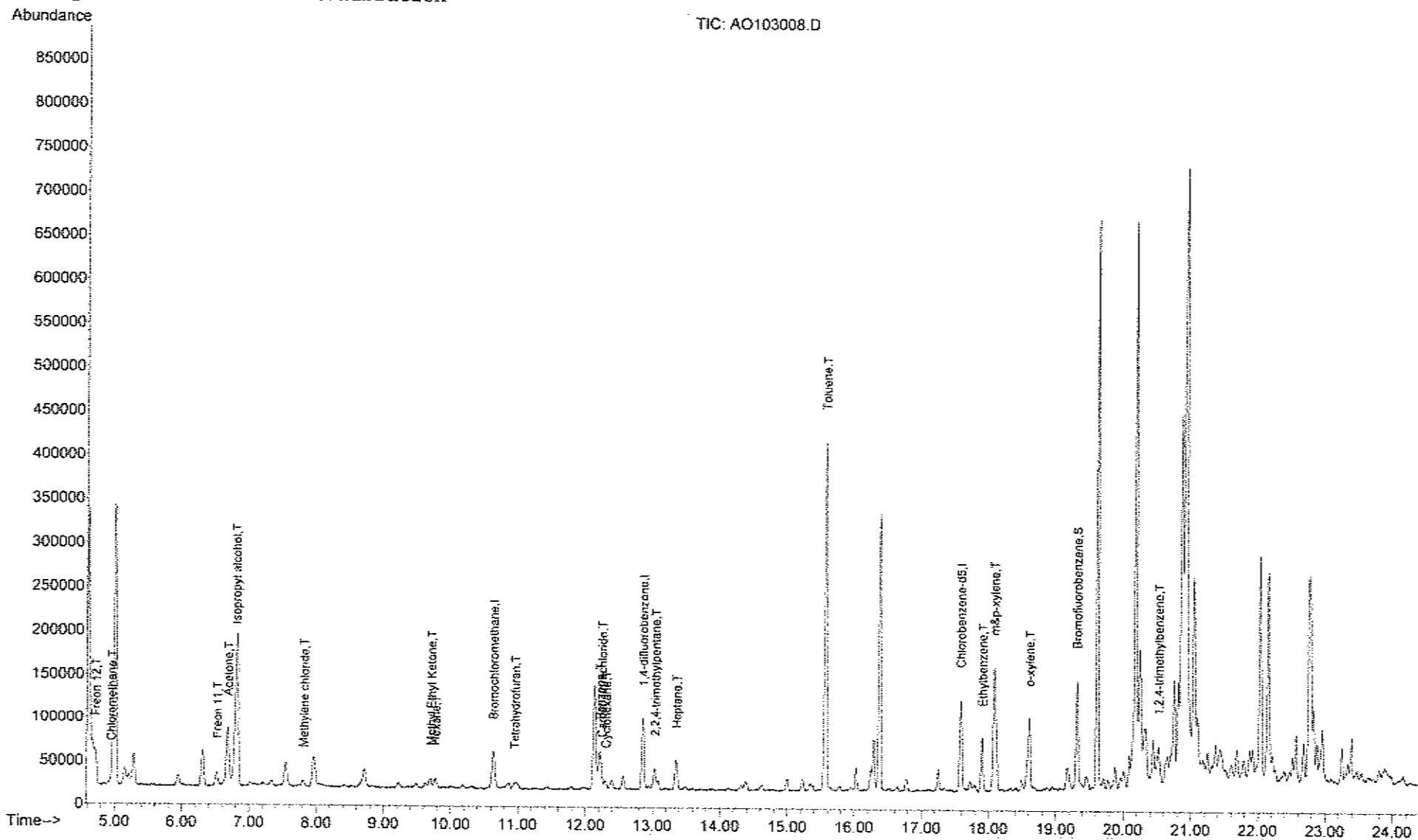
| | | | | | | Qvalue |
|----------------------------|-------|-----|----------|------|-----|--------|
| 3) Freon 12 | 4.72 | 85 | 44930 | 0.49 | ppb | 99 |
| 4) Chloromethane | 4.94 | 50 | 16533 | 0.79 | ppb | 75 |
| 14) Freon 11 | 6.52 | 101 | 20746 | 0.22 | ppb | 100 |
| 15) Acetone | 6.68 | 58 | 44355m # | 5.07 | ppb | |
| 17) Isopropyl alcohol | 6.79 | 45 | 82919 | 3.05 | ppb | # 1 |
| 21) Methylene chloride | 7.82 | 84 | 5034 | 0.20 | ppb | 99 |
| 28) Methyl Ethyl Ketone | 9.70 | 72 | 5187m # | 0.47 | ppb | |
| 30) Hexane | 9.77 | 57 | 7304 | 0.20 | ppb | 90 |
| 33) Tetrahydrofuran | 10.95 | 42 | 6803 | 0.30 | ppb | 97 |
| 37) Cyclohexane | 12.30 | 56 | 5813m # | 0.16 | ppb | |
| 38) Carbon tetrachloride | 12.25 | 117 | 5707 | 0.08 | ppb | 95 |
| 39) Benzene | 12.21 | 78 | 37740 | 0.45 | ppb | 98 |
| 42) 2,2,4-trimethylpentane | 13.03 | 57 | 29334 | 0.25 | ppb | 83 |
| 43) Heptane | 13.36 | 43 | 13534 | 0.33 | ppb | 81 |
| 51) Toluene | 15.56 | 92 | 214548 | 3.77 | ppb | 90 |
| 58) Ethylbenzene | 17.90 | 91 | 52482 | 0.42 | ppb | 99 |
| 59) m&p-xylene | 18.08 | 91 | 148965 | 1.65 | ppb | 96 |
| 63) o-xylene | 18.60 | 91 | 60865 | 0.62 | ppb | 92 |
| 71) 1,2,4-trimethylbenzene | 20.52 | 105 | 26184 | 0.41 | ppb | 93 |

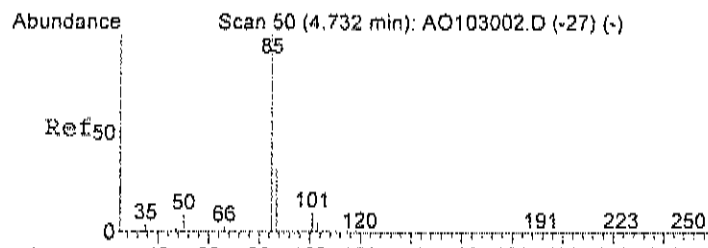
Data File : C:\HPCHEM\1\DATA2\AO103008.D
Acq On : 30 Oct 2017 4:59 pm
Sample : C1710061-001A
Misc : AN30_1UG
MS Integration Params: RTEINT.P
Quant Time: Nov 2 12:40 2017

Vial: 24
Operator: RJP
Inst : MSD #1
Multiplr: 1.00

Quant Results File: AN24_1UG.RES

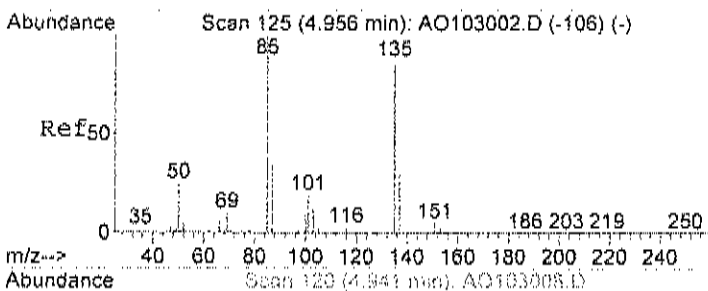
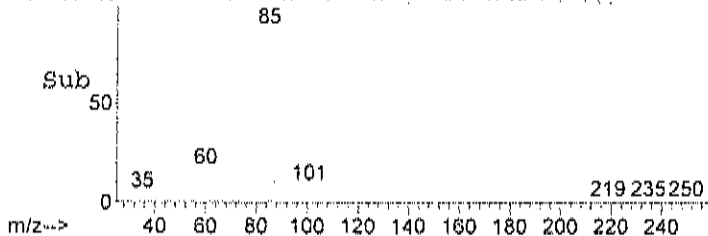
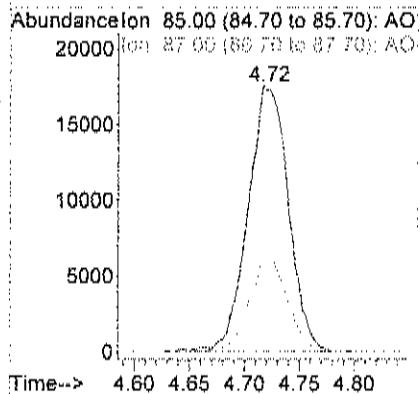
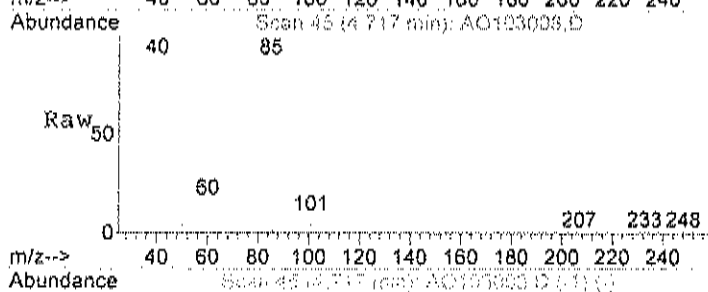
Method : C:\HPCHEM\1\METHODS\AN24_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Mon Nov 20 08:43:22 2017
Response via : Initial Calibration





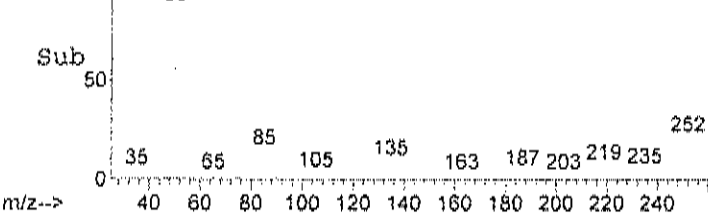
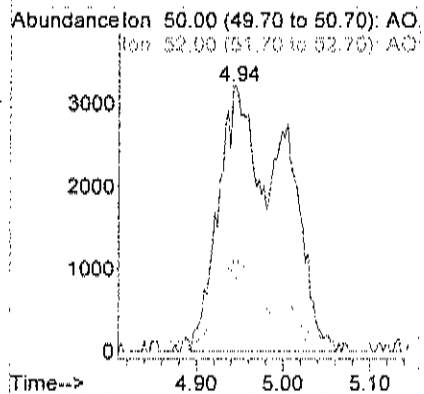
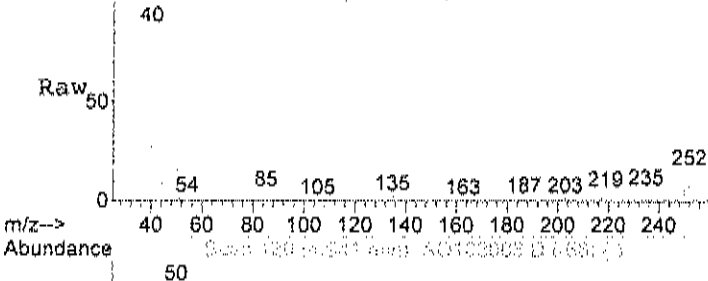
#3
Freon 12
Concen: 0.49 ppb
RT: 4.72 min Scan# 45
Delta R.T. 0.01 min
Lab File: AO103008.D
Acq: 30 Oct 2017 4:59 pm

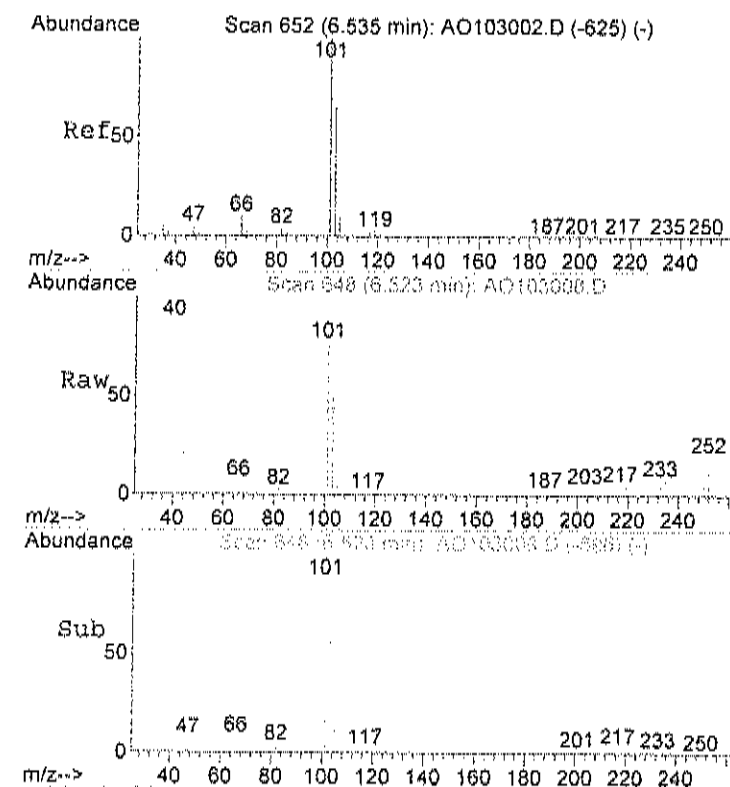
Tgt Ion: 85 Resp: 44930
Ion Ratio Lower Upper
85 100
87 32.9 12.1 52.1



#4
Chloromethane
Concen: 0.79 ppb
RT: 4.94 min Scan# 120
Delta R.T. 0.01 min
Lab File: AO103008.D
Acq: 30 Oct 2017 4:59 pm

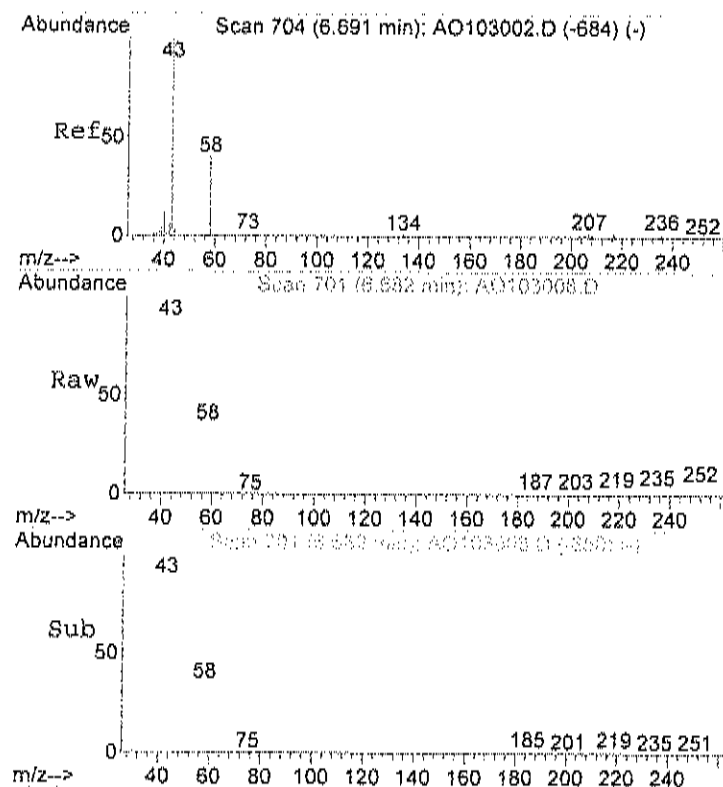
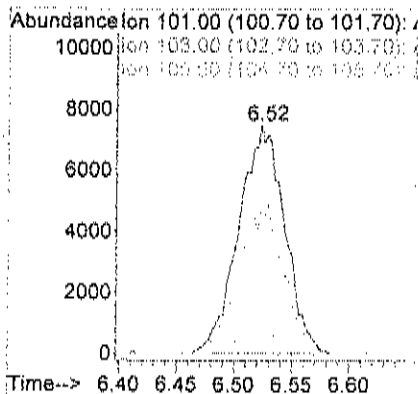
Tgt Ion: 50 Resp: 16533
Ion Ratio Lower Upper
50 100
52 21.4 15.9 55.9





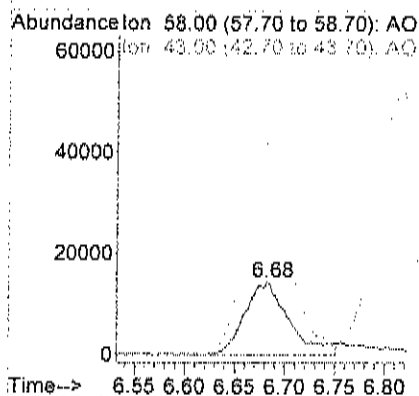
#14
Freon 11
Concen: 0.22 ppb
RT: 6.52 min Scan# 648
Delta R.T. 0.01 min
Lab File: AO103008.D
Acq: 30 Oct 2017 4:59 pm

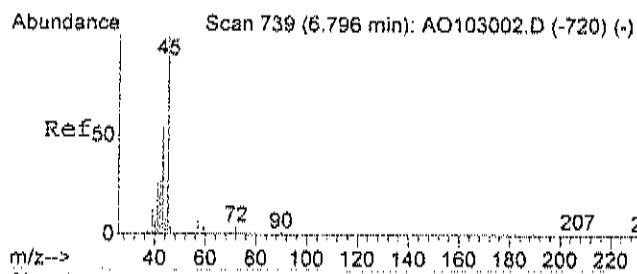
| Tgt Ion | 101 | Resp | 20746 |
|---------|-------|-------|-------|
| Ion | Ratio | Lower | Upper |
| 101 | 100 | | |
| 103 | 64.5 | 44.4 | 84.4 |
| 105 | 10.5 | 0.0 | 30.5 |



#15
Acetone
Concen: 5.07 ppb m
RT: 6.68 min Scan# 701
Delta R.T. 0.00 min
Lab File: AO103008.D
Acq: 30 Oct 2017 4:59 pm

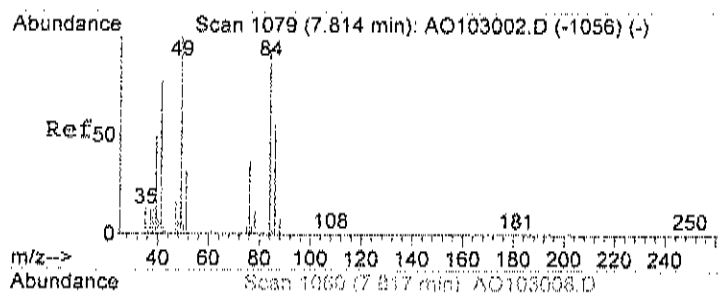
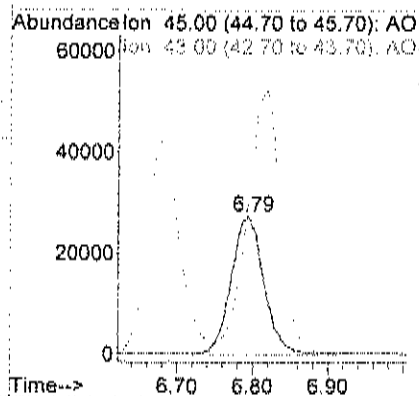
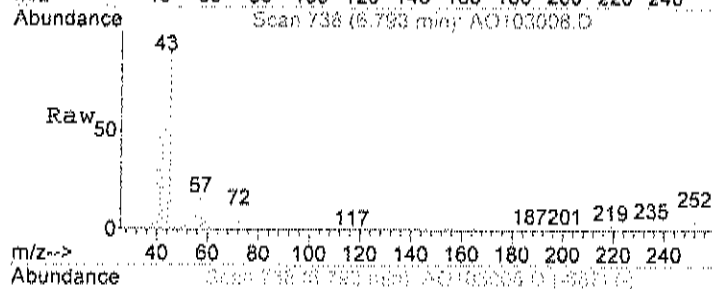
| Tgt Ion | 58 | Resp | 44355 |
|---------|-------|-------|--------|
| Ion | Ratio | Lower | Upper |
| 58 | 100 | | |
| 43 | 289.3 | 308.4 | 368.4# |





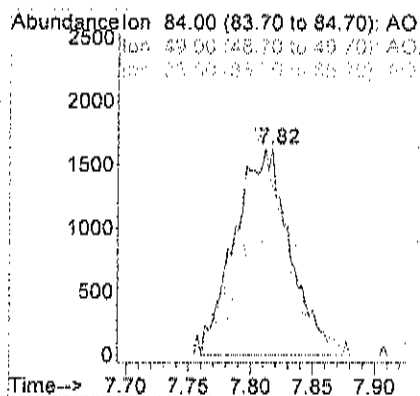
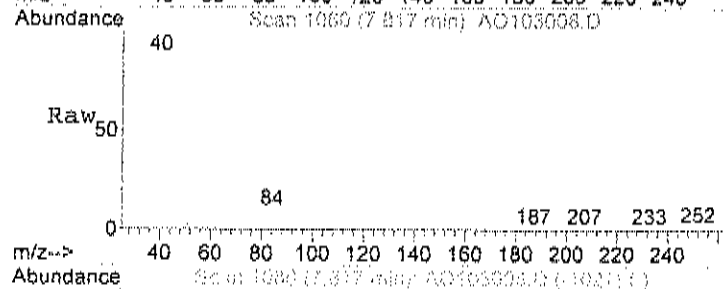
#17
Isopropyl alcohol
Concen: 3.05 ppb
RT: 6.79 min Scan# 738
Delta R.T. 0.00 min
Lab File: AO103008.D
Acq: 30 Oct 2017 4:59 pm

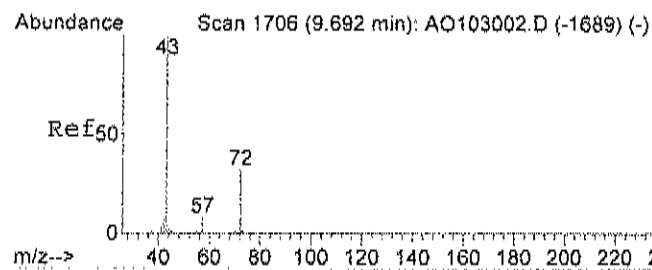
| Tgt Ion | 45 | Resp | 82919 |
|---------|-------|-------|-------|
| Ion | Ratio | Lower | Upper |
| 45 | 100 | | |
| 43 | 190.4 | 4.3 | 44.3# |



#21
Methylene chloride
Concen: 0.20 ppb
RT: 7.82 min Scan# 1080
Delta R.T. 0.01 min
Lab File: AO103008.D
Acq: 30 Oct 2017 4:59 pm

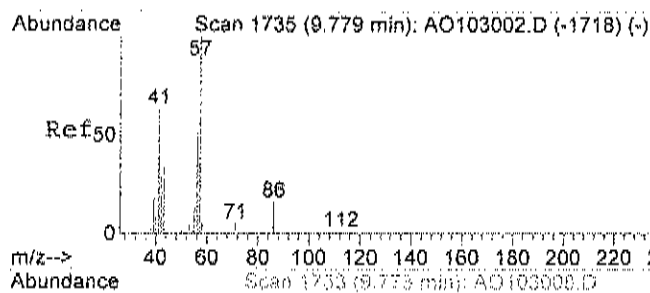
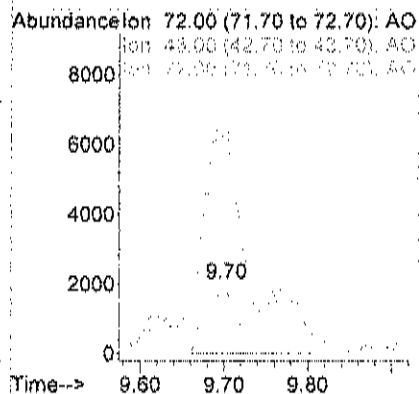
| Tgt Ion | 84 | Resp | 5034 |
|---------|-------|-------|-------|
| Ion | Ratio | Lower | Upper |
| 84 | 100 | | |
| 49 | 103.3 | 85.0 | 125.0 |
| 86 | 58.5 | 38.9 | 78.9 |





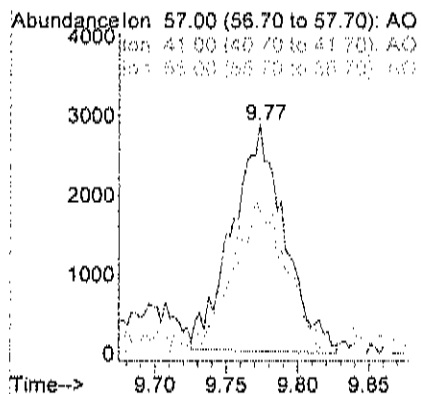
#28
Methyl Ethyl Ketone
Concen: 0.47 ppb m
RT: 9.70 min Scan# 1707
Delta R.T. 0.01 min
Lab File: AO103008.D
Acq: 30 Oct 2017 4:59 pm

| Tgt Ion | 72 | Resp | 5187 |
|---------|-------|-------|--------|
| Ion | Ratio | Lower | Upper |
| 72 | 100 | | |
| 43 | 378.1 | 267.6 | 307.6# |
| 72 | 90.1 | 80.0 | 120.0 |

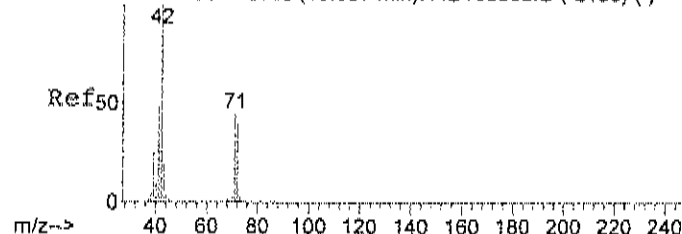


#30
Hexane
Concen: 0.20 ppb
RT: 9.77 min Scan# 1733
Delta R.T. 0.01 min
Lab File: AO103008.D
Acq: 30 Oct 2017 4:59 pm

| Tgt Ion | 57 | Resp | 7304 |
|---------|-------|-------|-------|
| Ion | Ratio | Lower | Upper |
| 57 | 100 | | |
| 41 | 74.1 | 63.5 | 103.5 |
| 56 | 50.4 | 37.2 | 77.2 |



Abundance Scan 2128 (10.957 min): AO103002.D (-2103) (-)



#33

Tetrahydrofuran

Concen: 0.30 ppb

RT: 10.95 min Scan# 2126

Delta R.T. 0.00 min

Lab File: AO103008.D

Acq: 30 Oct 2017 4:59 pm

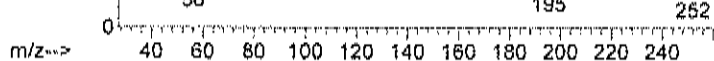
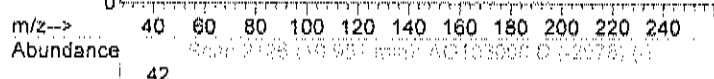
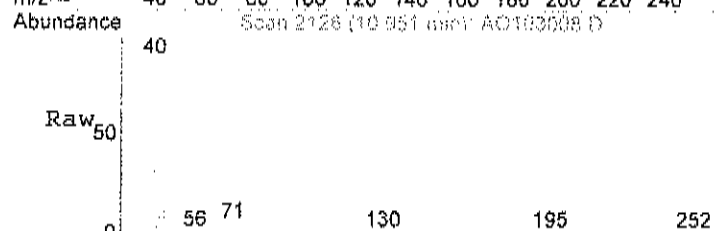
Tgt Ion: 42 Resp: 6803

Ion Ratio Lower Upper

42 100

71 43.7 27.8 67.8

72 42.3 22.0 62.0



Abundance Ion 42.00 (41.70 to 42.70): AO

Ion 71.00 (70.70 to 71.70): AO

Ion 72.00 (71.70 to 72.70): AO

Time--> 10.85 10.90 10.95 11.00 11.05

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Time--> 10.85 10.90 10.95 11.00 11.05

Time--> 10.85 10.90 10.95 11.00 11.05

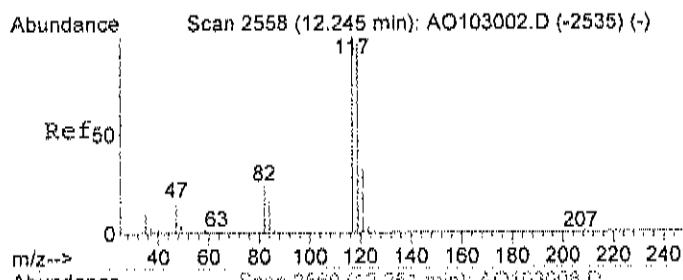
Time--> 10.85 10.90 10.95 11.00 11.05

Time--> 10.85 10.90 10.95 11.00 11.05

Time--> 10.85 10.90 10.95 11.00 11.05

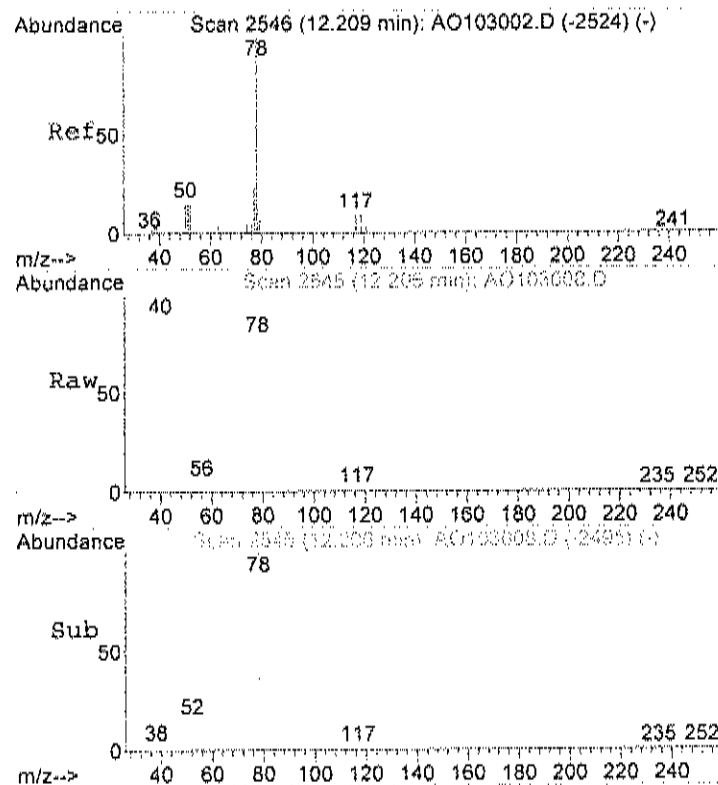
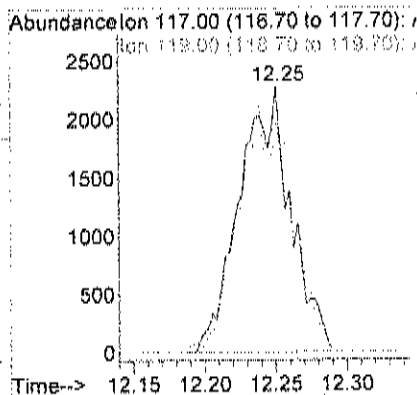
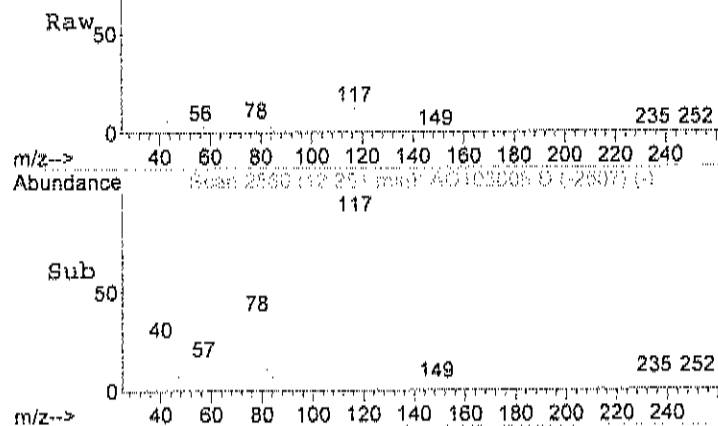
Time--> 10.85 10.90 10.95 11.00 11.05

Time--> 10.85 10.90 10.95 11.00 11.05



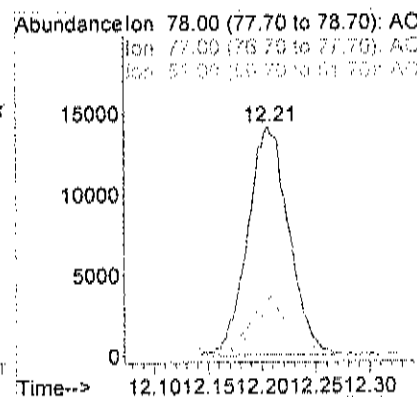
#38
Carbon tetrachloride
Concen: 0.08 ppb
RT: 12.25 min Scan# 2560
Delta R.T. 0.01 min
Lab File: AO103008.D
Acq: 30 Oct 2017 4:59 pm

Tgt Ion: 117 Resp: 5707
Ion Ratio Lower Upper
117 100
119 95.0 70.1 110.1

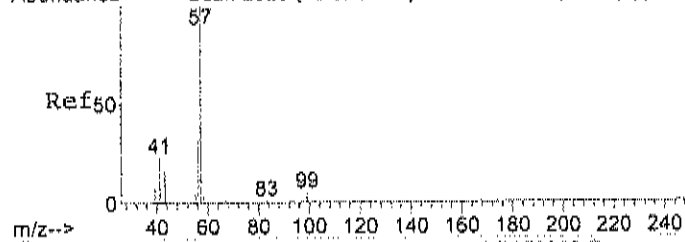


#39
Benzene
Concen: 0.45 ppb
RT: 12.21 min Scan# 2545
Delta R.T. -0.00 min
Lab File: AO103008.D
Acq: 30 Oct 2017 4:59 pm

Tgt Ion: 78 Resp: 37740
Ion Ratio Lower Upper
78 100
77 24.8 3.3 43.3
51 16.2 0.0 36.1



Abundance Scan 2820 (13.029 min): AO103002.D (-2800) (-)



#42

2,2,4-trimethylpentane

Concen: 0.25 ppb

RT: 13.03 min Scan# 2820

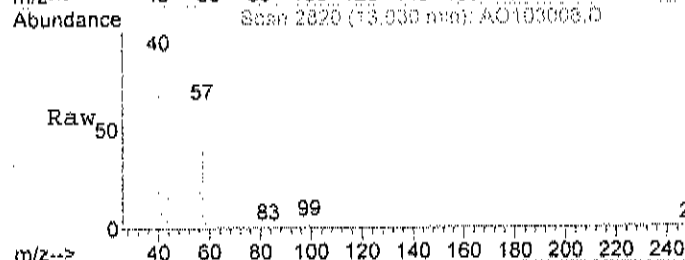
Delta R.T. -0.00 min

Lab File: AO103008.D

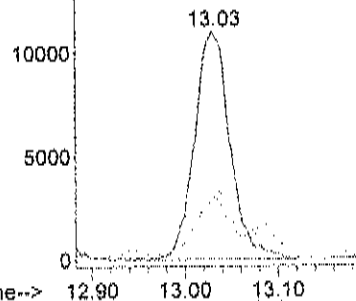
Acq: 30 Oct 2017 4:59 pm

Tgt Ion: 57 Resp: 29334

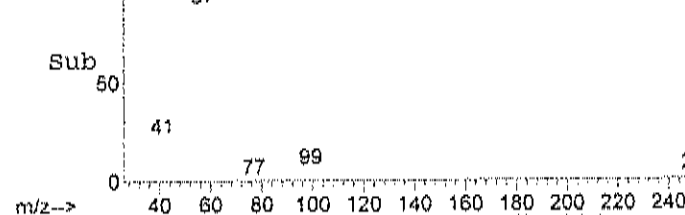
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 57 | 100 | | |
| 41 | 27.1 | 7.2 | 47.2 |
| 56 | 48.8 | 11.0 | 51.0 |



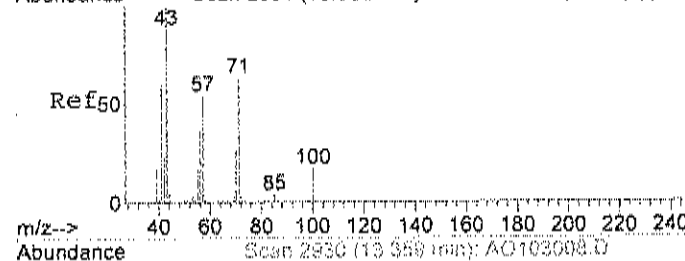
Abundance Ion 57.00 (56.70 to 57.70): AO
 15000 Ion 41.00 (40.70 to 41.70): AO
 Ion 56.00 (55.70 to 56.70): AO



Abundance Scan 2820 (13.030 min): AO103008.D (-2771) (-)



Abundance Scan 2931 (13.362 min): AO103002.D (-2911) (-)



#43

Heptane

Concen: 0.33 ppb

RT: 13.36 min Scan# 2930

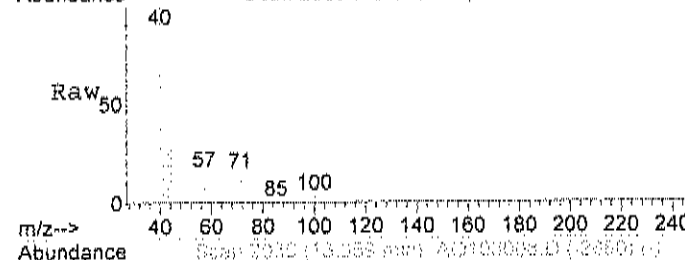
Delta R.T. -0.00 min

Lab File: AO103008.D

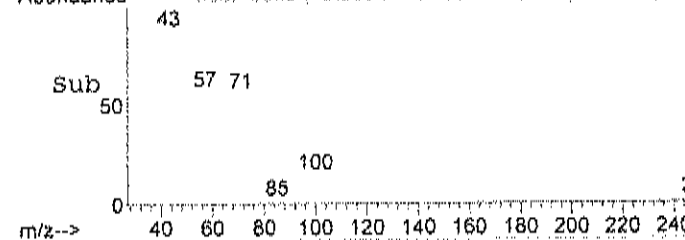
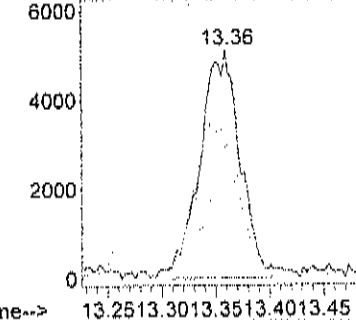
Acq: 30 Oct 2017 4:59 pm

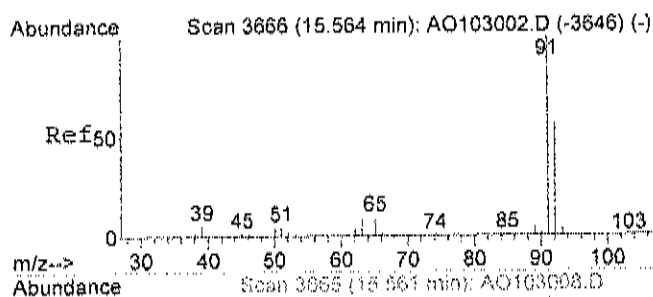
Tgt Ion: 43 Resp: 13534

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43 | 100 | | |
| 57 | 70.9 | 33.9 | 73.9 |
| 71 | 48.1 | 38.3 | 78.3 |



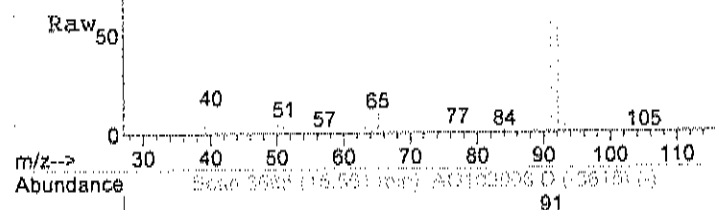
Abundance Ion 43.00 (42.70 to 43.70): AO
 Ion 57.00 (56.70 to 57.70): AO
 Ion 71.00 (70.70 to 71.70): AO





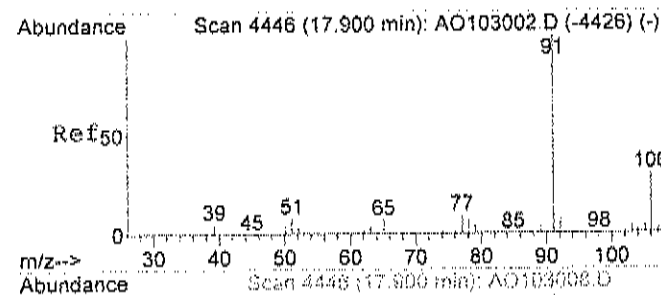
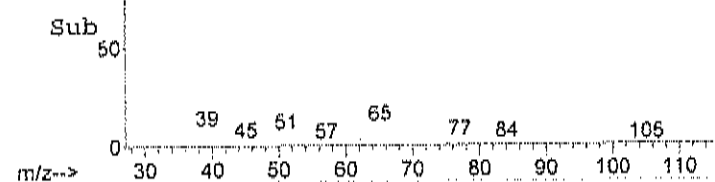
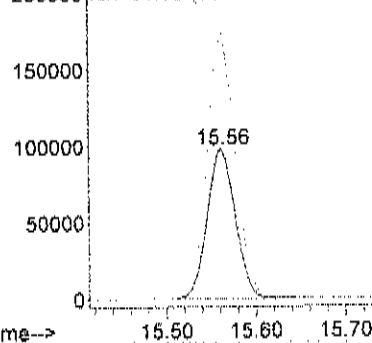
#51
Toluene
Concen: 3.77 ppb
RT: 15.56 min Scan# 3665
Delta R.T. -0.00 min
Lab File: AO103008.D
Acq: 30 Oct 2017 4:59 pm

| Tgt Ion | 92 | Resp | 214548 |
|---------|-------|-------|--------|
| Ion | Ratio | Lower | Upper |
| 92 | 100 | | |
| 91 | 176.2 | 142.4 | 182.4 |



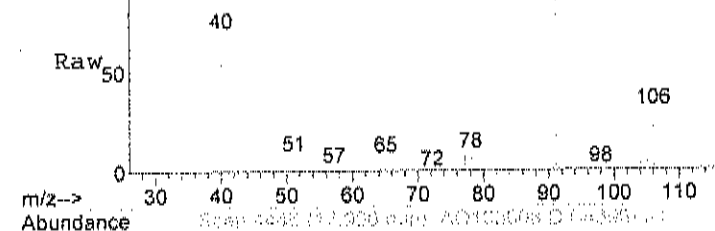
Abundance Ion 92.00 (91.70 to 92.70): AO

200000 Ion 91.00 (90.70 to 91.70): AO



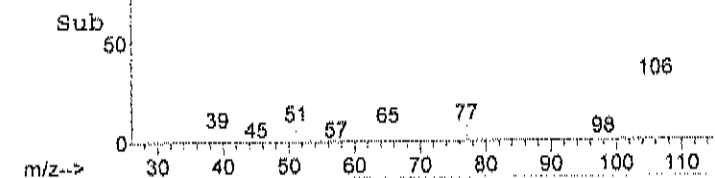
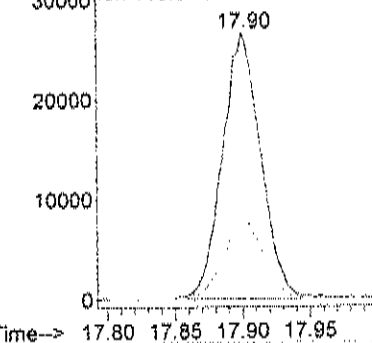
#58
Ethylbenzene
Concen: 0.42 ppb
RT: 17.90 min Scan# 4446
Delta R.T. -0.00 min
Lab File: AO103008.D
Acq: 30 Oct 2017 4:59 pm

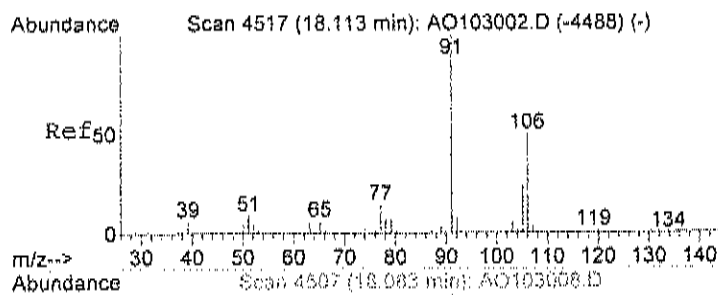
| Tgt Ion | 91 | Resp | 52482 |
|---------|-------|-------|-------|
| Ion | Ratio | Lower | Upper |
| 91 | 100 | | |
| 106 | 31.2 | 10.7 | 50.7 |



Abundance Ion 91.00 (90.70 to 91.70): AO

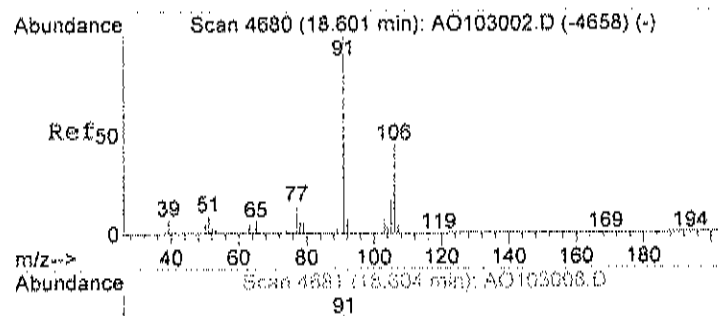
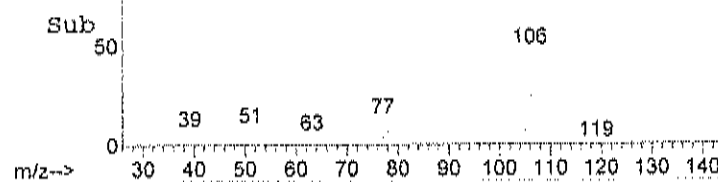
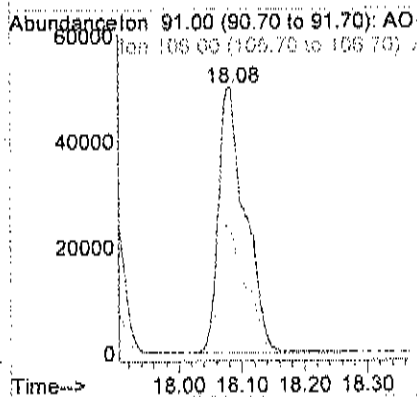
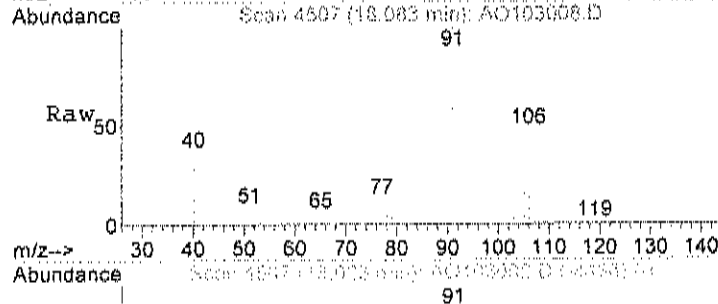
30000 Ion 106.00 (105.70 to 106.70): AO





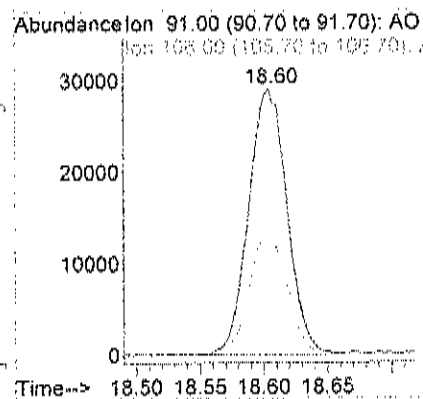
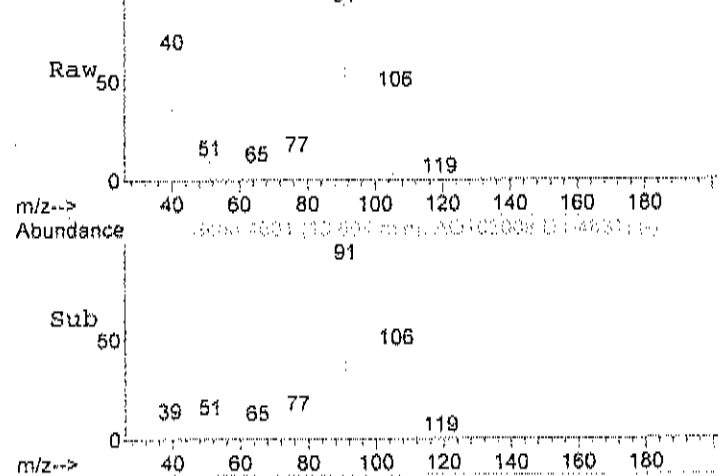
#59
m&p-xylene
Concen: 1.65 ppb
RT: 18.08 min Scan# 4507
Delta R.T. -0.03 min
Lab File: AO103008.D
Acq: 30 Oct 2017 4:59 pm

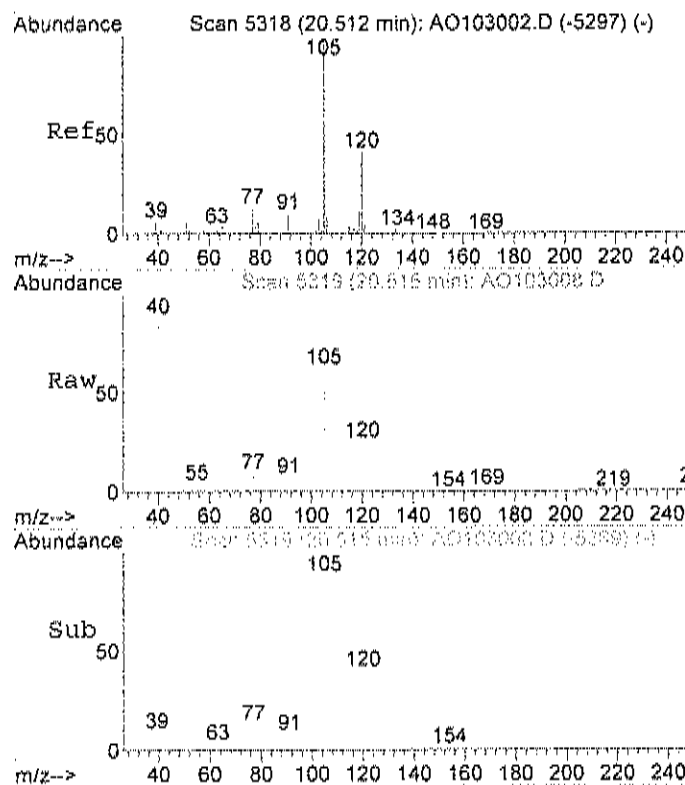
| | | | |
|----------|-------|-------|--------|
| Tgt Ion: | 91 | Resp: | 148965 |
| Ion | Ratio | Lower | Upper |
| 91 | 100 | | |
| 106 | 48.0 | 25.4 | 65.4 |



#63
o-xylene
Concen: 0.62 ppb
RT: 18.60 min Scan# 4681
Delta R.T. -0.00 min
Lab File: AO103008.D
Acq: 30 Oct 2017 4:59 pm

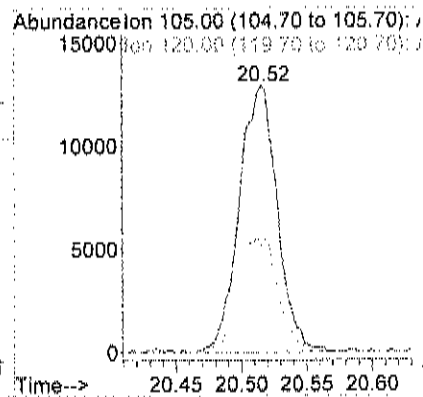
| | | | |
|----------|-------|-------|-------|
| Tgt Ion: | 91 | Resp: | 60865 |
| Ion | Ratio | Lower | Upper |
| 91 | 100 | | |
| 106 | 45.4 | 30.9 | 70.9 |





#71
1,2,4-trimethylbenzene
Concen: 0.41 ppb
RT: 20.52 min Scan# 5319
Delta R.T. -0.00 min
Lab File: AO103008.D
Acq: 30 Oct 2017 4:59 pm

| | | | |
|----------|-------|-------|-------|
| Tgt Ion: | 105 | Resp: | 26184 |
| Ion | Ratio | Lower | Upper |
| 105 | 100 | | |
| 120 | 43.2 | 27.6 | 67.6 |



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AO103013.D

Vial: 29

Acq On : 31 Oct 2017 12:02 am

Operator: RJP

Sample : C1710061-001A 5x

Inst : MSD #1

Misc : AN30_1UG

Multiplr: 1.00

MS Integration Params: RTEINT.P

Quant Time: Oct 31 11:13:23 2017

Quant Results File: AN24_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\AN24_1UG.M (RTE Integrator)

Title : TO-15 VOA Standards for 5 point calibration

Last Update : Wed Oct 25 08:32:47 2017

Response via : Initial Calibration

DataAcq Meth : 1UG_RUN

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------|-------|------|----------|------|-------|----------|
| 1) Bromochloromethane | 10.62 | 128 | 19821 | 1.00 | ppb | -0.01 |
| 35) 1,4-difluorobenzene | 12.85 | 114 | 87418 | 1.00 | ppb | -0.01 |
| 50) Chlorobenzene-d5 | 17.58 | 117 | 70227 | 1.00 | ppb | 0.00 |

System Monitoring Compounds

| | | | | | | |
|------------------------|-------|-------|----------|----------|-----|--------|
| 65) Bromofluorobenzene | 19.31 | 95 | 44827 | 0.95 | ppb | 0.00 |
| Spiked Amount | 1.000 | Range | 70 - 130 | Recovery | = | 95.00% |

Target Compounds

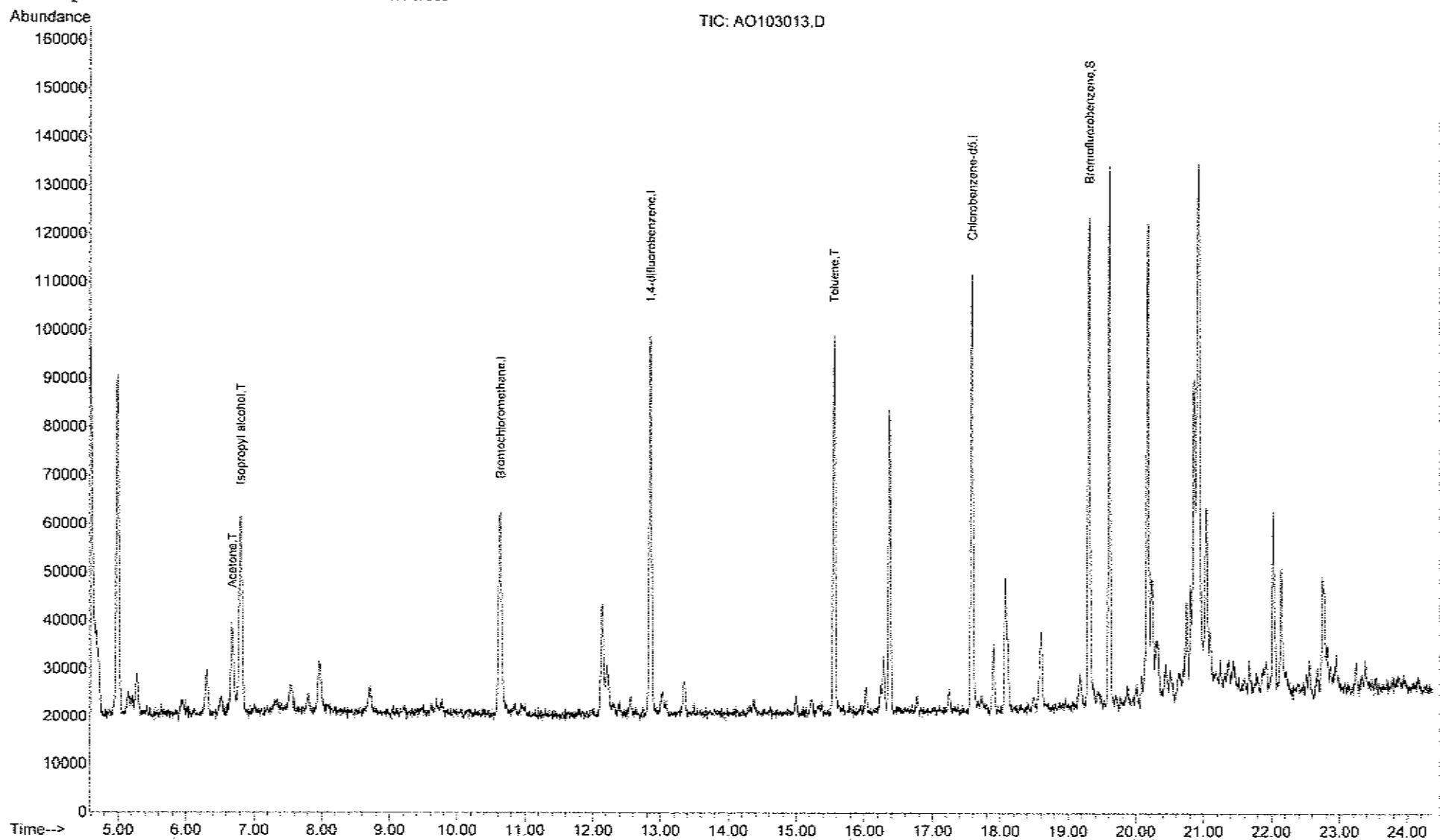
| | | | | | Qvalue |
|-----------------------|-------|----|--------------------|------|---------|
| 15) Acetone | 6.68 | 58 | 8115m ^N | 0.94 | ppb |
| 17) Isopropyl alcohol | 6.79 | 45 | 18987 | 0.71 | ppb # 1 |
| 51) Toluene | 15.55 | 92 | 42111 | 0.83 | ppb 90 |

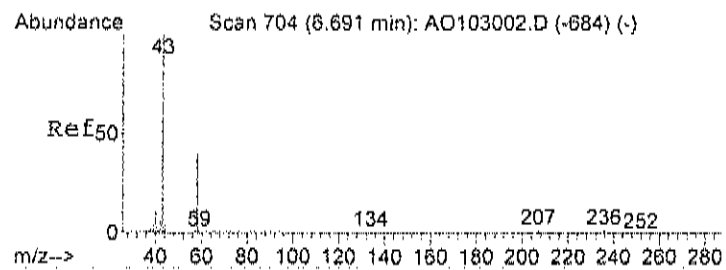
Data File : C:\HPCHEM\1\DATA2\AO103013.D
Acq On : 31 Oct 2017 12:02 am
Sample : C1710061-001A 5x
Misc : AN30_1UG
MS Integration Params: RTEINT.P
Quant Time: Nov 2 12:50 2017

Vial: 29
Operator: RJP
Inst : MSD #1
Multiplr: 1.00

Quant Results File: AN24_1UG.RES

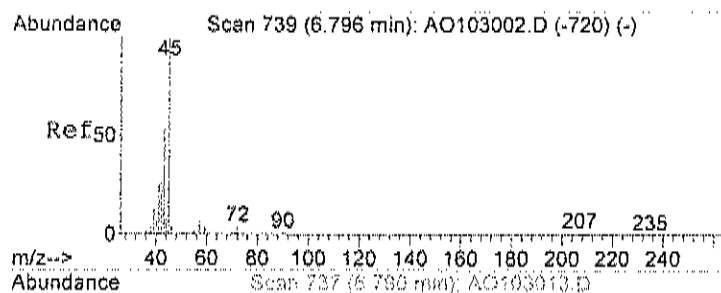
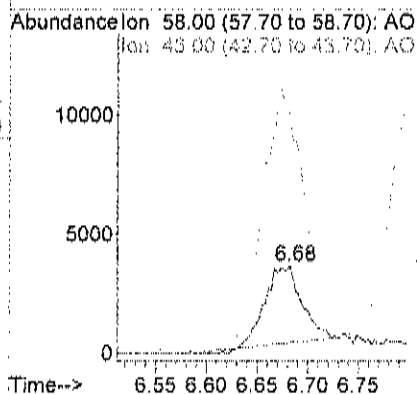
Method : C:\HPCHEM\1\METHODS\AN24_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Mon Nov 20 08:43:22 2017
Response via : Initial Calibration





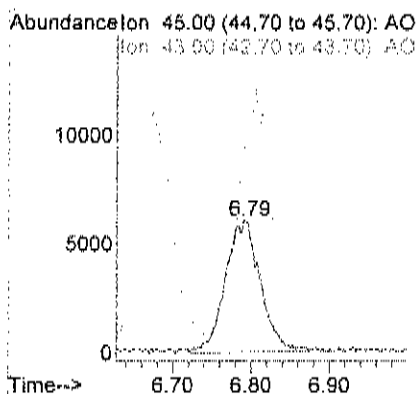
#15
Acetone
Concen: 0.94 ppb m
RT: 6.68 min Scan# 701
Delta R.T. 0.00 min
Lab File: AO103013.D
Acq: 31 Oct 2017 12:02 am

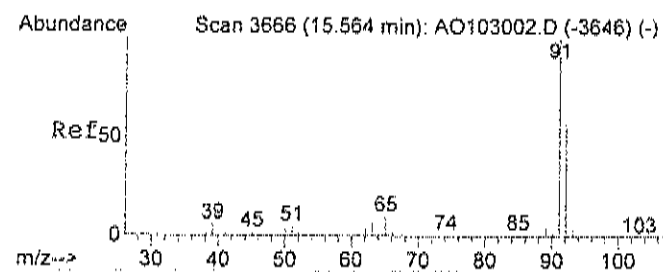
Tgt Ion: 58 Resp: 8115
Ion Ratio Lower Upper
58 100
43 413.7 308.4 368.4#



#17
Isopropyl alcohol
Concen: 0.71 ppb
RT: 6.79 min Scan# 737
Delta R.T. -0.00 min
Lab File: AO103013.D
Acq: 31 Oct 2017 12:02 am

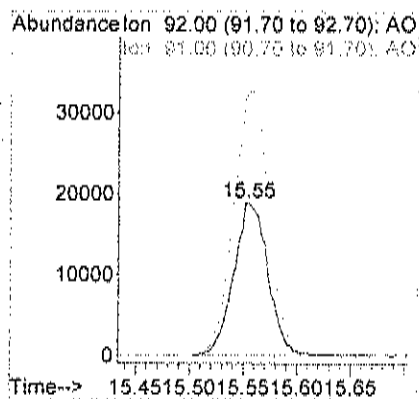
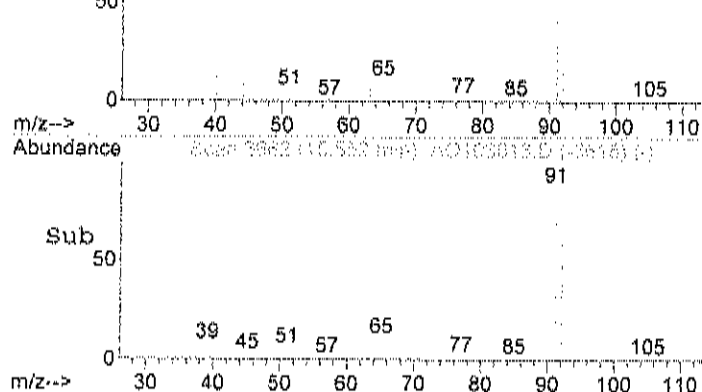
Tgt Ion: 45 Resp: 18987
Ion Ratio Lower Upper
45 100
43 186.5 4.3 44.3#





#51
Toluene
Concen: 0.83 ppb
RT: 15.55 min Scan# 3662
Delta R.T. -0.01 min
Lab File: AO103013.D
Acq: 31 Oct 2017 12:02 am

Tgt Ion: 92 Resp: 42111
Ion Ratio Lower Upper
92 100
91 175.9 142.4 182.4



Centek Laboratories, LLC

Date: 20-Nov-17

CLIENT: LaBella Associates, P.C.

Client Sample ID: 2017_10_24_DUP

Lab Order: C1710061

Tag Number: 457.250

Project: 300 Commerce Dr

Collection Date: 10/24/2017

Lab ID: C1710061-002A

Matrix: AIR

| Analyses | Result | **Limit | Qual | Units | DF | Date Analyzed |
|--------------------------------------|--------|---------|------|-------|----|------------------------|
| FIELD PARAMETERS | | | | | | |
| Lab Vacuum In | -2 | | | | | Analyst: |
| Lab Vacuum Out | -30 | | | | | 10/27/2017 |
| | | | | "Hg | | 10/27/2017 |
| 1UG/M3 W/ 0.25UG/M3 CT-TCE-VC | | | | | | |
| | | | | | | Analyst: RJP |
| | | | | | | |
| 1,1,1-Trichloroethane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| 1,1,2,2-Tetrachloroethane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| 1,1,2-Trichloroethane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| 1,1-Dichloroethane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| 1,1-Dichloroethene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| 1,2,4-Trichlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| 1,2,4-Trimethylbenzene | 0.43 | 0.15 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| 1,2-Dibromoethane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| 1,2-Dichlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| 1,2-Dichloroethane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| 1,2-Dichloropropane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| 1,3,5-Trimethylbenzene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| 1,3-butadiene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| 1,3-Dichlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| 1,4-Dichlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| 1,4-Dioxane | < 0.30 | 0.30 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| 2,2,4-trimethylpentane | 0.28 | 0.15 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| 4-ethyltoluene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| Acetone | 6.8 | 1.5 | | ppbV | 5 | 10/31/2017 12:39:00 AM |
| Allyl chloride | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| Benzene | 0.46 | 0.15 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| Benzyl chloride | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| Bromodichloromethane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| Bromoform | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| Bromomethane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| Carbon disulfide | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| Carbon tetrachloride | 0.080 | 0.040 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| Chlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| Chloroethane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| Chloroform | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| Chloromethane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| cis-1,2-Dichloroethene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| cis-1,3-Dichloropropene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| Cyclohexane | 0.17 | 0.15 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| Dibromochloromethane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| Ethyl acetate | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 5:39:00 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: 20-Nov-17

CLIENT: LaBella Associates, P.C.
 Lab Order: C1710061
 Project: 300 Commerce Dr
 Lab ID: C1710061-002A

Client Sample ID: 2017_10_24_DUP
 Tag Number: 457.250
 Collection Date: 10/24/2017
 Matrix: AIR

| Analyses | Result | **Limit | Qual | Units | DF | Date Analyzed |
|-------------------------------|---------|---------|-------|-------|----|------------------------|
| 1UG/M3 W/ 0.25UG/M3 CT-TCE-VC | | | TO-15 | | | Analyst: RJP |
| Ethylbenzene | 0.43 | 0.15 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| Freon 11 | 0.22 | 0.15 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| Freon 113 | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| Freon 114 | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| Freon 12 | 0.49 | 0.15 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| Heptane | 0.33 | 0.15 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| Hexachloro-1,3-butadiene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| Hexane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| Isopropyl alcohol | 7.1 | 0.75 | | ppbV | 5 | 10/31/2017 12:39:00 AM |
| m&p-Xylene | 1.7 | 0.30 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| Methyl Butyl Ketone | < 0.30 | 0.30 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| Methyl Ethyl Ketone | 0.64 | 0.30 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| Methyl Isobutyl Ketone | 0.11 | 0.30 | J | ppbV | 1 | 10/30/2017 5:39:00 PM |
| Methyl tert-butyl ether | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| Methylene chloride | 0.48 | 0.15 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| o-Xylene | 0.64 | 0.15 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| Propylene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| Styrene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| Tetrachloroethylene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| Tetrahydrofuran | 0.34 | 0.15 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| Toluene | 5.2 | 0.75 | | ppbV | 5 | 10/31/2017 12:39:00 AM |
| trans-1,2-Dichloroethene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| trans-1,3-Dichloropropene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| Trichloroethene | < 0.040 | 0.040 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| Vinyl acetate | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| Vinyl Bromide | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| Vinyl chloride | < 0.040 | 0.040 | | ppbV | 1 | 10/30/2017 5:39:00 PM |
| Surr: Bromofluorobenzene | 99.0 | 70-130 | | %REC | 1 | 10/30/2017 5:39:00 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: 20-Nov-17

CLIENT: LaBella Associates, P.C.
 Lab Order: C1710061
 Project: 300 Commerce Dr
 Lab ID: C1710061-002A

Client Sample ID: 2017_10_24_DUP
 Tag Number: 457.250
 Collection Date: 10/24/2017
 Matrix: AIR

| Analyses | Result | **Limit | Qual | Units | DF | Date Analyzed |
|-------------------------------|--------|---------|------|-------|----|------------------------|
| 1UG/M3 W/ 0.25UG/M3 CT-TCE-VC | | TO-15 | | | | Analyst: RJP |
| 1,1,1-Trichloroethane | < 0.82 | 0.82 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| 1,1,2,2-Tetrachloroethane | < 1.0 | 1.0 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| 1,1,2-Trichloroethane | < 0.82 | 0.82 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| 1,1-Dichloroethane | < 0.61 | 0.61 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| 1,1-Dichloroethene | < 0.59 | 0.59 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| 1,2,4-Trichlorobenzene | < 1.1 | 1.1 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| 1,2,4-Trimethylbenzene | 2.1 | 0.74 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| 1,2-Dibromoethane | < 1.2 | 1.2 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| 1,2-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| 1,2-Dichloroethane | < 0.61 | 0.61 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| 1,2-Dichloropropane | < 0.69 | 0.69 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| 1,3,5-Trimethylbenzene | < 0.74 | 0.74 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| 1,3-butadiene | < 0.33 | 0.33 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| 1,3-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| 1,4-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| 1,4-Dioxane | < 1.1 | 1.1 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| 2,2,4-trimethylpentane | 1.3 | 0.70 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| 4-ethyltoluene | < 0.74 | 0.74 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| Acetone | 16 | 3.6 | | ug/m3 | 5 | 10/31/2017 12:39:00 AM |
| Allyl chloride | < 0.47 | 0.47 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| Benzene | 1.5 | 0.48 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| Benzyl chloride | < 0.86 | 0.86 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| Bromodichloromethane | < 1.0 | 1.0 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| Bromoform | < 1.6 | 1.6 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| Bromomethane | < 0.58 | 0.58 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| Carbon disulfide | < 0.47 | 0.47 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| Carbon tetrachloride | 0.50 | 0.25 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| Chlorobenzene | < 0.69 | 0.69 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| Chloroethane | < 0.40 | 0.40 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| Chloroform | < 0.73 | 0.73 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| Chloromethane | < 0.31 | 0.31 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| cis-1,2-Dichloroethene | < 0.59 | 0.59 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| cis-1,3-Dichloropropene | < 0.68 | 0.68 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| Cyclohexane | 0.59 | 0.52 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| Dibromochloromethane | < 1.3 | 1.3 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| Ethyl acetate | < 0.54 | 0.54 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| Ethylbenzene | 1.9 | 0.65 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| Freon 11 | 1.2 | 0.84 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| Freon 113 | < 1.1 | 1.1 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| Freon 114 | < 1.0 | 1.0 | | ug/m3 | 1 | 10/30/2017 5:39:00 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: 20-Nov-17

CLIENT: LaBella Associates, P.C.
 Lab Order: C1710061
 Project: 300 Commerce Dr
 Lab ID: C1710061-002A

Client Sample ID: 2017_10_24_DUP
 Tag Number: 457.250
 Collection Date: 10/24/2017
 Matrix: AIR

| Analyses | Result | **Limit | Qual | Units | DF | Date Analyzed |
|-------------------------------|--------|---------|-------|-------|--------------|------------------------|
| 1UG/M3 W/ 0.25UG/M3 CT-TCE-VC | | | TO-15 | | Analyst: RJP | |
| Freon 12 | 2.4 | 0.74 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| Heptane | 1.4 | 0.61 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| Hexachloro-1,3-butadiene | < 1.6 | 1.6 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| Hexane | < 0.53 | 0.53 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| Isopropyl alcohol | 17 | 1.8 | | ug/m3 | 5 | 10/31/2017 12:39:00 AM |
| m&p-Xylene | 7.3 | 1.3 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| Methyl Butyl Ketone | < 1.2 | 1.2 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| Methyl Ethyl Ketone | 1.9 | 0.88 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| Methyl Isobutyl Ketone | 0.45 | 1.2 | J | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| Methyl tert-butyl ether | < 0.54 | 0.54 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| Methylene chloride | 1.7 | 0.52 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| o-Xylene | 2.8 | 0.65 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| Propylene | < 0.26 | 0.26 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| Styrene | < 0.64 | 0.64 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| Tetrachloroethylene | < 1.0 | 1.0 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| Tetrahydrofuran | 1.0 | 0.44 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| Toluene | 20 | 2.8 | | ug/m3 | 5 | 10/31/2017 12:39:00 AM |
| trans-1,2-Dichloroethene | < 0.59 | 0.59 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| trans-1,3-Dichloropropene | < 0.68 | 0.68 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| Trichloroethene | < 0.21 | 0.21 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| Vinyl acetate | < 0.53 | 0.53 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| Vinyl Bromide | < 0.66 | 0.66 | | ug/m3 | 1 | 10/30/2017 5:39:00 PM |
| Vinyl chloride | < 0.10 | 0.10 | | ug/m3 | 1 | 10/30/2017 5:39:00 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

Page 4 of 10

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AO103009.D

Vial: 25

Acq On : 30 Oct 2017 5:39 pm

Operator: RJP

Sample : C1710061-002A

Inst : MSD #1

Misc : AN30_1UG

Multiplr: 1.00

MS Integration Params: RTEINT.P

Quant Time: Oct 30 23:06:16 2017

Quant Results File: AN24_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\AN24_1UG.M (RTE Integrator)

Title : TO-15 VOA Standards for 5 point calibration

Last Update : Wed Oct 25 08:32:47 2017

Response via : Initial Calibration

DataAcq Meth : 1UG_RUN

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------|-------|------|----------|------|-------|----------|
| 1) Bromochloromethane | 10.64 | 128 | 20183 | 1.00 | ppb | 0.00 |
| 35) 1,4-difluorobenzene | 12.85 | 114 | 93298 | 1.00 | ppb | 0.00 |
| 50) Chlorobenzene-d5 | 17.58 | 117 | 78784 | 1.00 | ppb | 0.00 |

System Monitoring Compounds

| | | | | | | |
|------------------------|-------|-------|----------|----------|-----|--------|
| 65) Bromofluorobenzene | 19.31 | 95 | 52373 | 0.99 | ppb | 0.00 |
| Spiked Amount | 1.000 | Range | 70 - 130 | Recovery | = | 99.00% |

Target Compounds

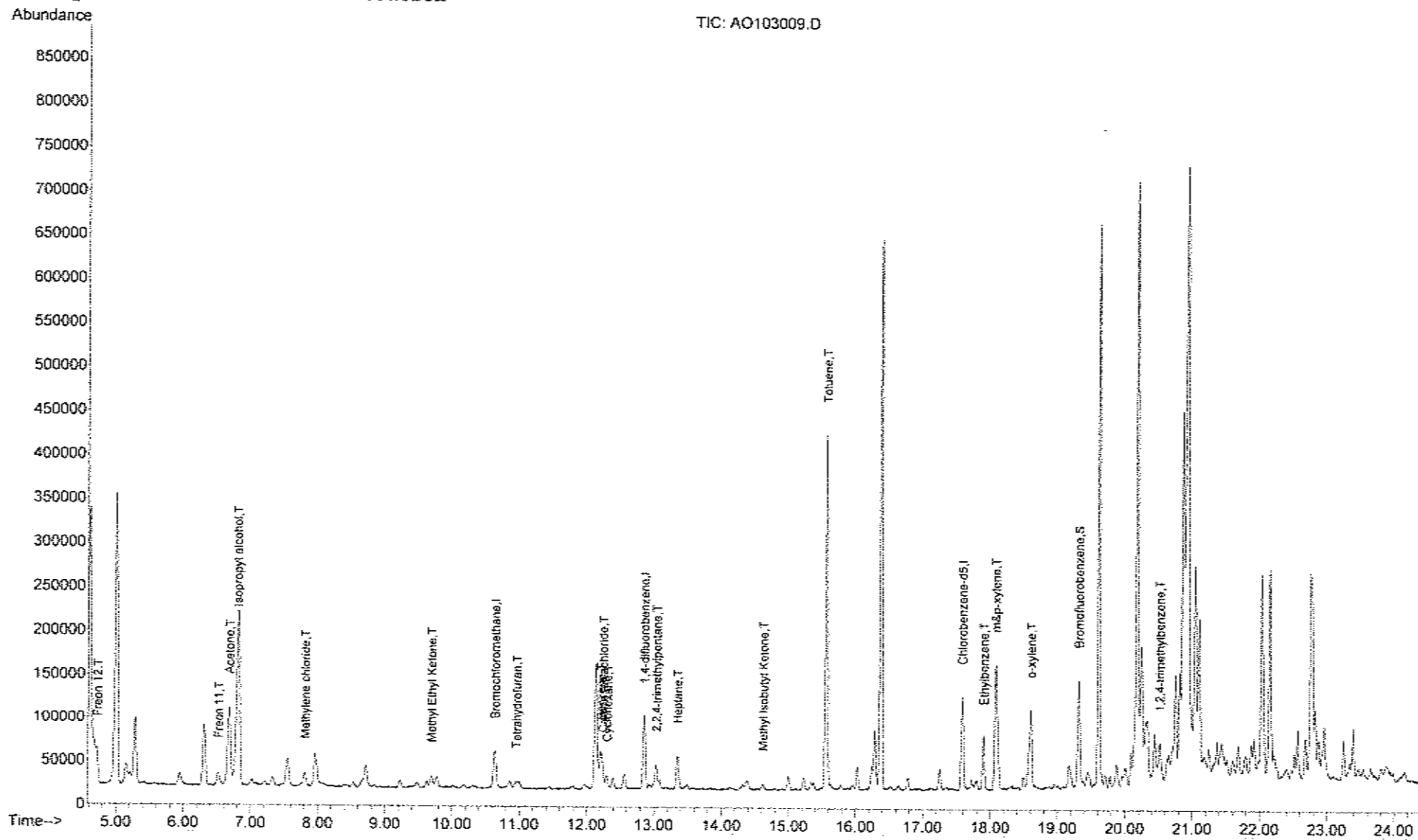
| | R.T. | QIon | Response | Conc | Units | Qvalue |
|----------------------------|-------|------|----------|------|-------|--------|
| 3) Freon 12 | 4.73 | 85 | 45136 | 0.49 | ppb | 99 |
| 14) Freon 11 | 6.52 | 101 | 20932 | 0.22 | ppb | 98 |
| 15) Acetone | 6.68 | 58 | 66986 | 7.61 | ppb | # 61 |
| 17) Isopropyl alcohol | 6.79 | 45 | 117023 | 4.28 | ppb | # 1 |
| 21) Methylene chloride | 7.80 | 84 | 11933 | 0.48 | ppb | 96 |
| 28) Methyl Ethyl Ketone | 9.69 | 72 | 7109 | 0.64 | ppb | # 69 |
| 33) Tetrahydrofuran | 10.95 | 42 | 7684m | 0.34 | ppb | |
| 37) Cyclohexane | 12.30 | 56 | 6254 | 0.17 | ppb | # 76 |
| 38) Carbon tetrachloride | 12.25 | 117 | 5421 | 0.07 | ppb | 85 |
| 39) Benzene | 12.21 | 78 | 39395 | 0.46 | ppb | 99 |
| 42) 2,2,4-trimethylpentane | 13.03 | 57 | 33672 | 0.28 | ppb | 89 |
| 43) Heptane | 13.36 | 43 | 13611 | 0.33 | ppb | # 81 |
| 51) Toluene | 15.56 | 92 | 216488 | 3.82 | ppb | 90 |
| 52) Methyl Isobutyl Ketone | 14.62 | 43 | 3848 | 0.11 | ppb | 90 |
| 58) Ethylbenzene | 17.90 | 91 | 53724 | 0.43 | ppb | 99 |
| 59) m&p-xylene | 18.08 | 91 | 150724 | 1.68 | ppb | 98 |
| 63) o-xylene | 18.60 | 91 | 62413 | 0.64 | ppb | 93 |
| 71) 1,2,4-trimethylbenzene | 20.51 | 105 | 27150 | 0.43 | ppb | 95 |

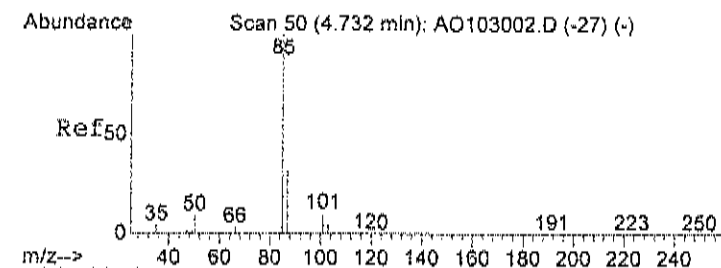
Data File : C:\HPCHEM\1\DATA2\AO103009.D
Acq On : 30 Oct 2017 5:39 pm
Sample : C1710061-002A
Misc : AN30_1UG
MS Integration Params: RTEINT.P
Quant Time: Nov 2 12:41 2017

Vial: 25
Operator: RJP
Inst : MSD #1
Multiplr: 1.00

Quant Results File: AN24_1UG.RES

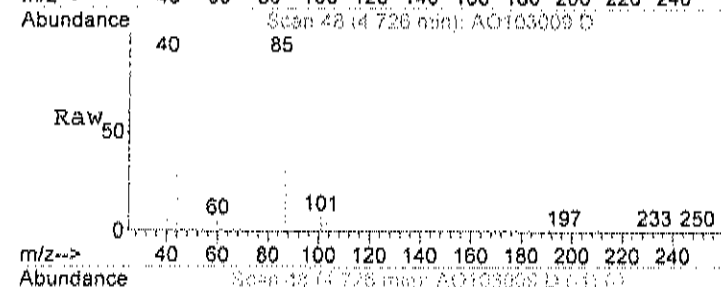
Method : C:\HPCHEM\1\METHODS\AN24_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Mon Nov 20 08:43:22 2017
Response via : Initial Calibration



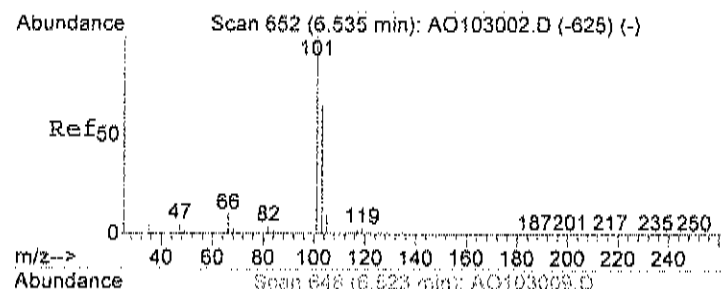
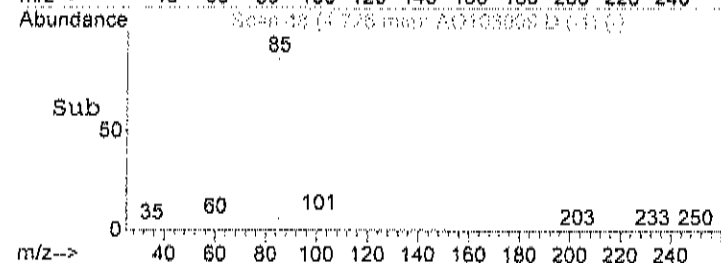
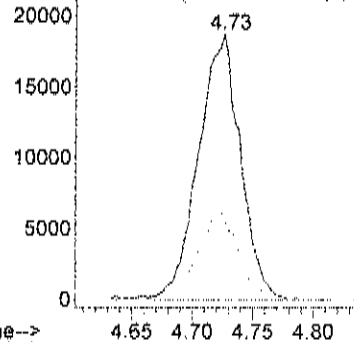


#3
Freon 12
Concen: 0.49 ppb
RT: 4.73 min Scan# 48
Delta R.T. 0.02 min
Lab File: AO103009.D
Acq: 30 Oct 2017 5:39 pm

Tgt Ion: 85 Resp: 45136
Ion Ratio Lower Upper
85 100
87 32.6 12.1 52.1

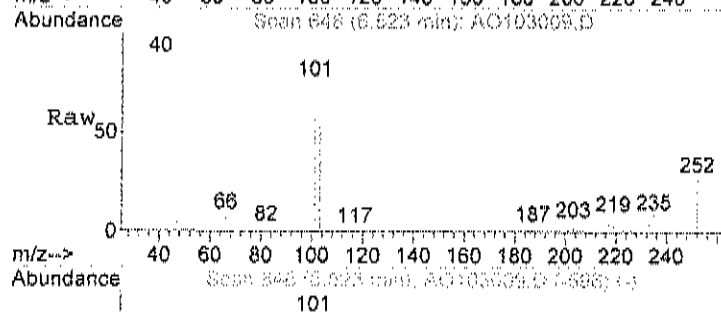


Abundance Ion 85.00 (84.70 to 85.70): AO
Ion 87.00 (86.70 to 87.70): AO

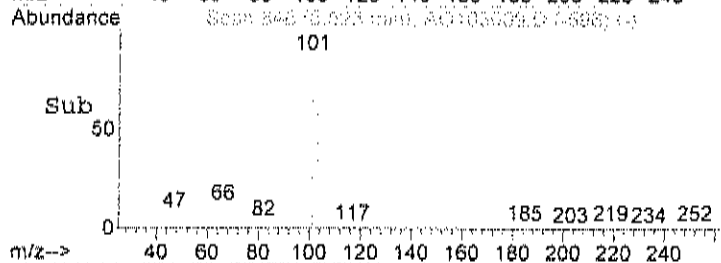
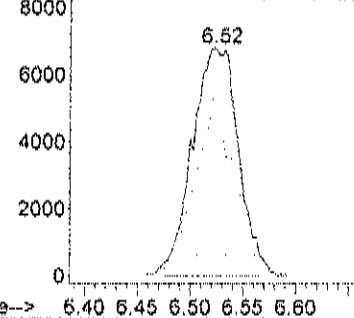


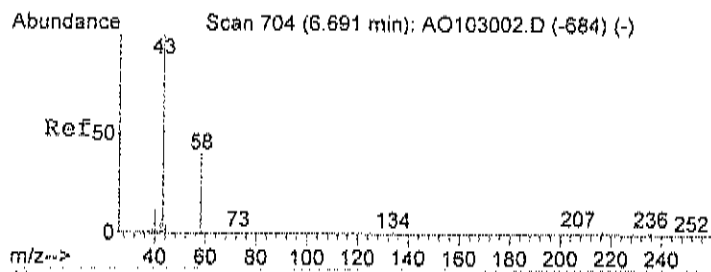
#14
Freon 11
Concen: 0.22 ppb
RT: 6.52 min Scan# 648
Delta R.T. 0.01 min
Lab File: AO103009.D
Acq: 30 Oct 2017 5:39 pm

Tgt Ion: 101 Resp: 20932
Ion Ratio Lower Upper
101 100
103 66.4 44.4 84.4
105 11.3 0.0 30.5



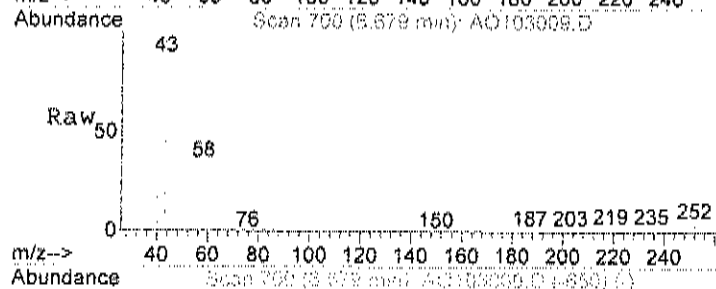
Abundance Ion 101.00 (100.70 to 101.70):
Ion 103.00 (102.70 to 103.70):
Ion 105.00 (104.70 to 105.70):



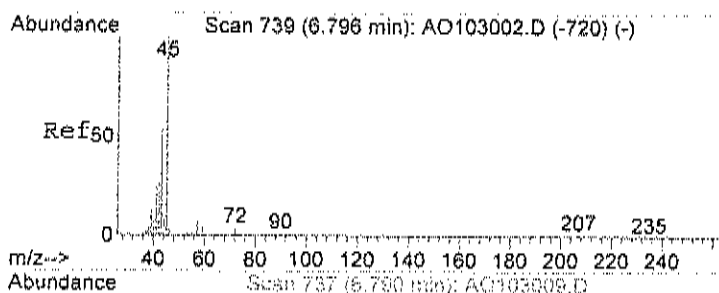
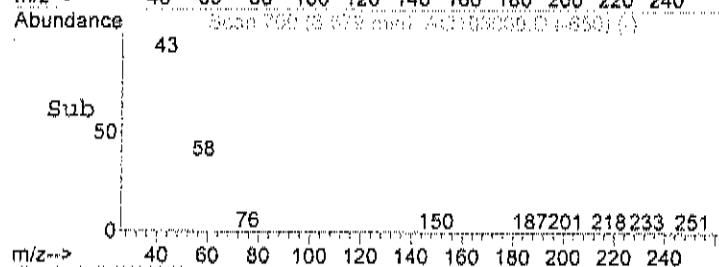
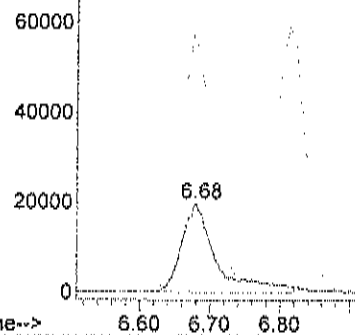


#15
Acetone
Concen: 7.61 ppb
RT: 6.68 min Scan# 700
Delta R.T. -0.00 min
Lab File: AO103009.D
Acq: 30 Oct 2017 5:39 pm

Tgt Ion: 58 Resp: 66986
Ion Ratio Lower Upper
58 100
43 256.4 308.4 368.4#

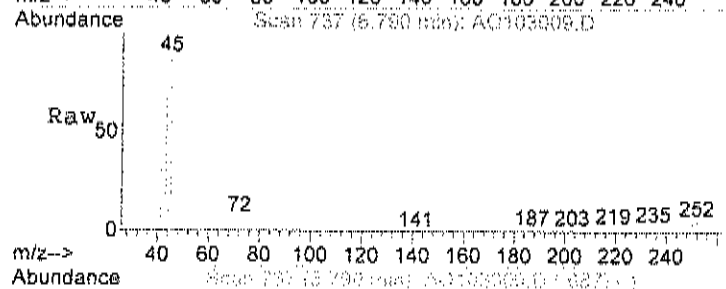


Abundance Ion 58.00 (57.70 to 58.70): AO

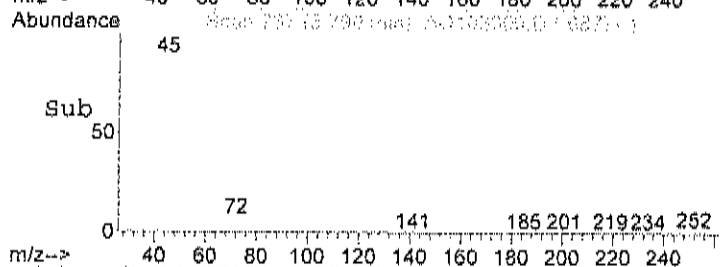
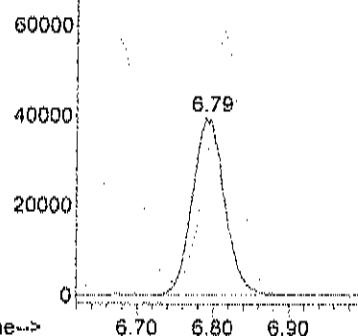


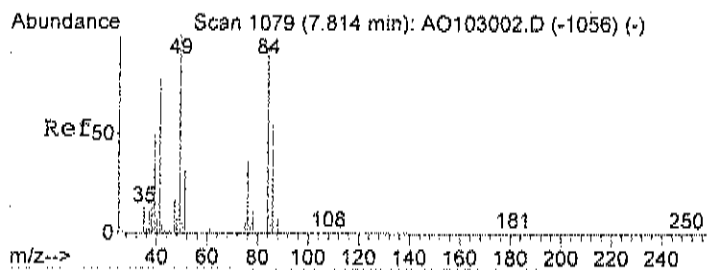
#17
Isopropyl alcohol
Concen: 4.28 ppb
RT: 6.79 min Scan# 737
Delta R.T. -0.00 min
Lab File: AO103009.D
Acq: 30 Oct 2017 5:39 pm

Tgt Ion: 45 Resp: 117023
Ion Ratio Lower Upper
45 100
43 153.9 4.3 44.3#



Abundance Ion 45.00 (44.70 to 45.70): AO





#21
Methylene chloride
Concen: 0.48 ppb
RT: 7.80 min Scan# 1075
Delta R.T. -0.01 min
Lab File: AO103009.D
Acq: 30 Oct 2017 5:39 pm

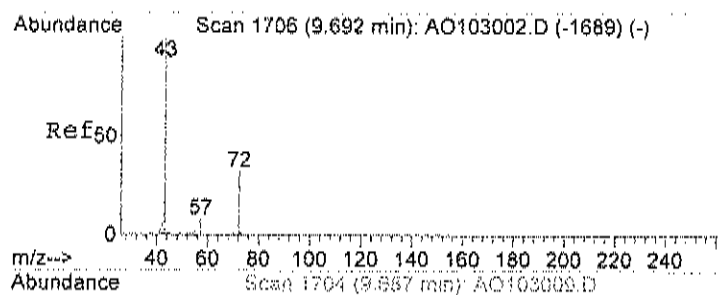
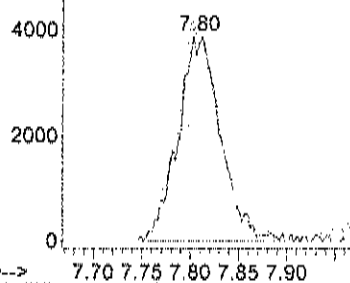
| Tgt Ion: | 84 | Resp: | 11933 |
|----------|-------|-------|-------|
| Ion | Ratio | Lower | Upper |
| 84 | 100 | | |
| 49 | 108.4 | 85.0 | 125.0 |
| 86 | 63.7 | 38.9 | 78.9 |

Abundance

Ion 84.00 (83.70 to 84.70): AO

Ion 49.00 (48.70 to 49.70): AO

Ion 86.00 (85.70 to 86.70): AO



#28
Methyl Ethyl Ketone
Concen: 0.64 ppb
RT: 9.69 min Scan# 1704
Delta R.T. -0.00 min
Lab File: AO103009.D
Acq: 30 Oct 2017 5:39 pm

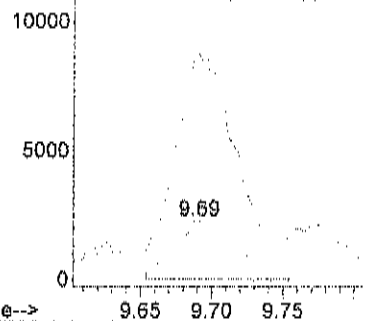
| Tgt Ion: | 72 | Resp: | 7109 |
|----------|-------|-------|--------|
| Ion | Ratio | Lower | Upper |
| 72 | 100 | | |
| 43 | 367.6 | 267.6 | 307.6# |
| 72 | 100.0 | 80.0 | 120.0 |

Abundance

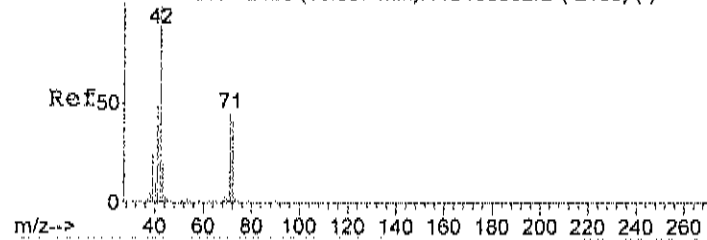
Ion 72.00 (71.70 to 72.70): AO

Ion 43.00 (42.70 to 43.70): AO

Ion 57.00 (56.70 to 57.70): AO



Abundance Scan 2128 (10.957 min): AO103002.D (-2103) (-)



#33

Tetrahydrofuran

Concen: 0.34 ppb m

RT: 10.95 min Scan# 2127

Delta R.T. 0.01 min

Lab File: AO103009.D

Acq: 30 Oct 2017 5:39 pm

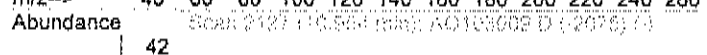
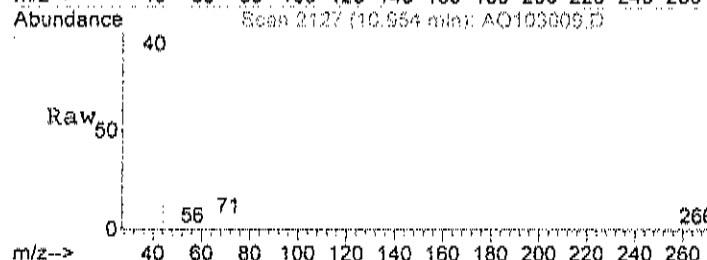
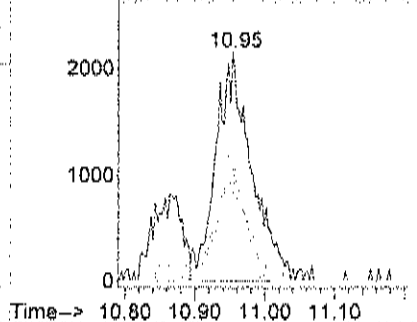
Tgt Ion: 42 Resp: 7684

Ion Ratio Lower Upper

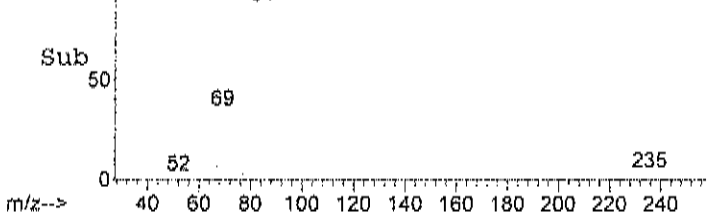
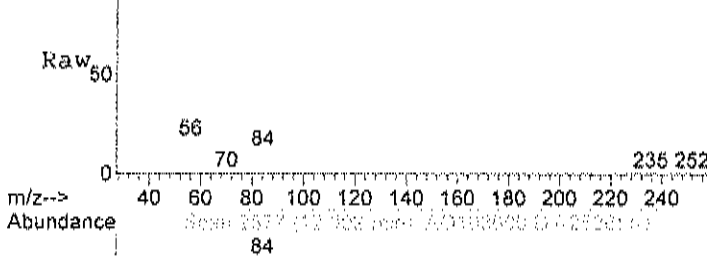
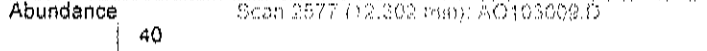
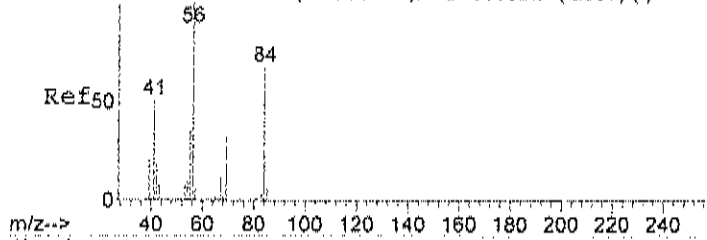
42 100

71 39.3 27.8 67.8

72 36.6 22.0 62.0

Abundance Ion 42.00 (41.70 to 42.70): AO
Ion 71.00 (70.70 to 71.70): AO
Ion 266.00 (265.70 to 266.70): AO

Abundance Scan 2579 (12.308 min): AO103002.D (-2557) (-)



#37

Cyclohexane

Concen: 0.17 ppb

RT: 12.30 min Scan# 2577

Delta R.T. 0.00 min

Lab File: AO103009.D

Acq: 30 Oct 2017 5:39 pm

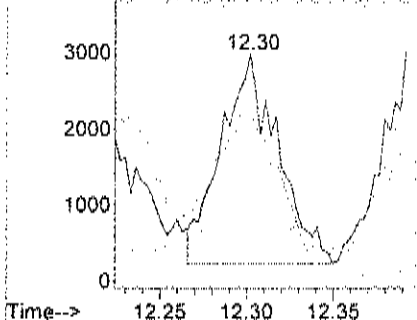
Tgt Ion: 56 Resp: 6254

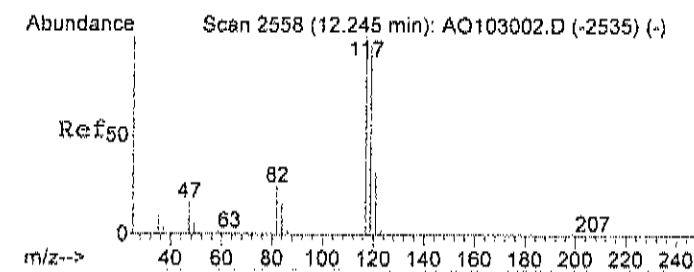
Ion Ratio Lower Upper

56 100

41 76.1 31.5 71.5#

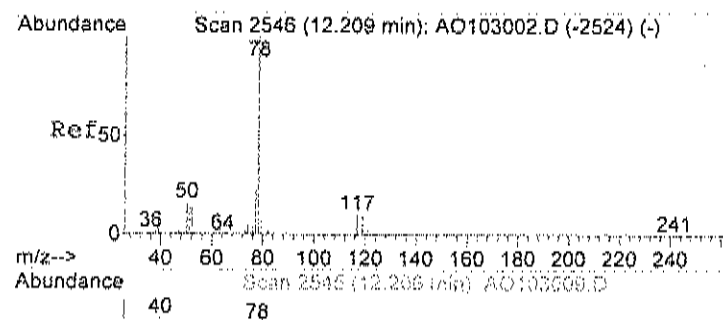
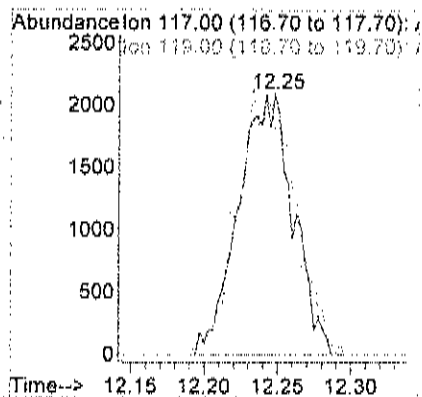
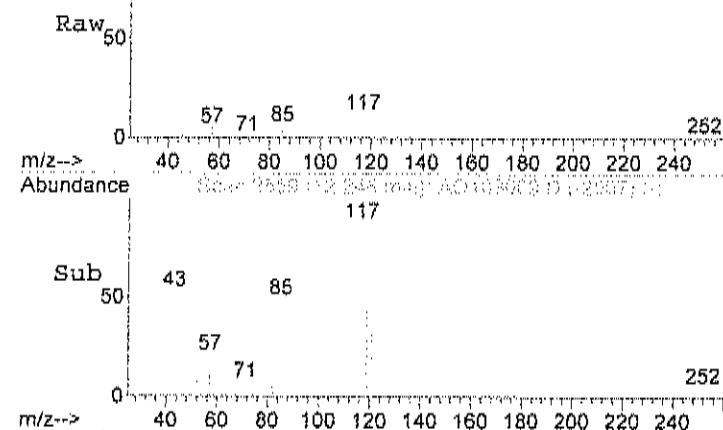
84 96.4 61.0 101.0

Abundance Ion 56.00 (55.70 to 56.70): AO
Ion 41.00 (40.70 to 41.70): AO
Ion 84.00 (83.70 to 84.70): AO



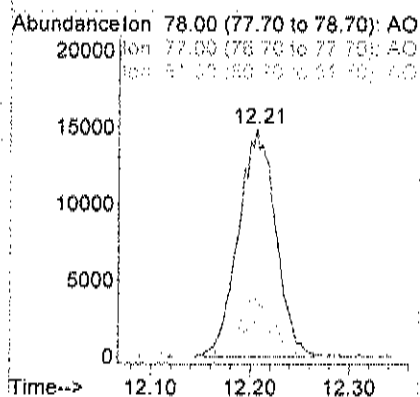
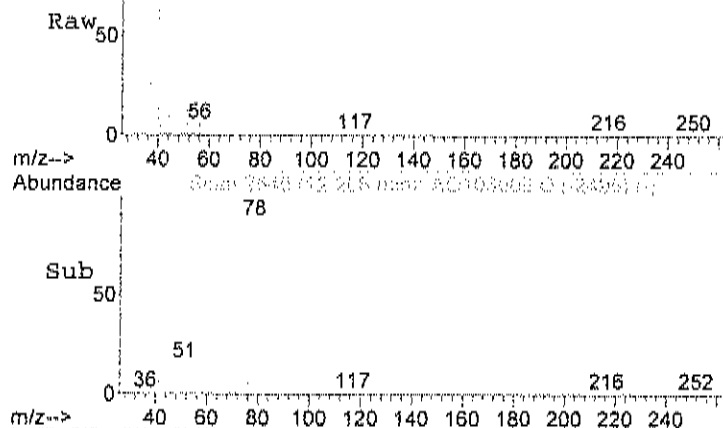
#38
Carbon tetrachloride
Concen: 0.07 ppb
RT: 12.25 min Scan# 2559
Delta R.T. 0.01 min
Lab File: AO103009.D
Acq: 30 Oct 2017 5:39 pm

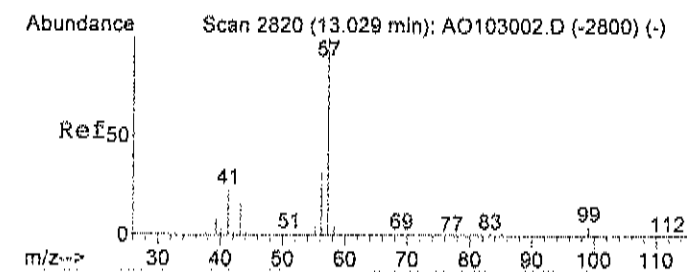
| Tgt Ion | 117 | Resp | 5421 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper | |
| 117 | 100 | | |
| 119 | 104.4 | 70.1 | 110.1 |



#39
Benzene
Concen: 0.46 ppb
RT: 12.21 min Scan# 2546
Delta R.T. -0.00 min
Lab File: AO103009.D
Acq: 30 Oct 2017 5:39 pm

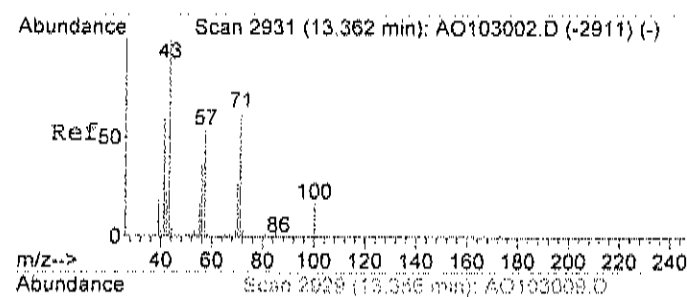
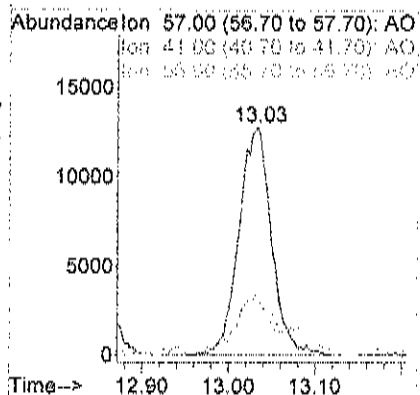
| Tgt Ion | 78 | Resp | 39395 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper | |
| 78 | 100 | | |
| 77 | 24.0 | 3.3 | 43.3 |
| 51 | 16.1 | 0.0 | 36.1 |





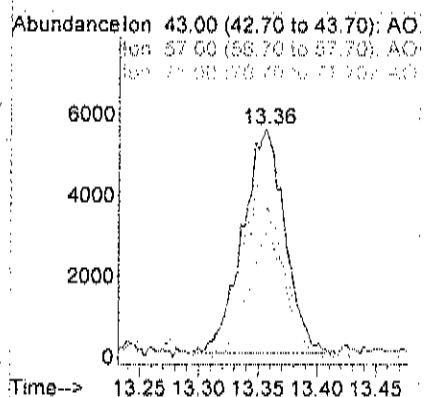
#42
2,2,4-trimethylpentane
Concen: 0.28 ppb
RT: 13.03 min Scan# 2821
Delta R.T. -0.00 min
Lab File: AO103009.D
Acq: 30 Oct 2017 5:39 pm

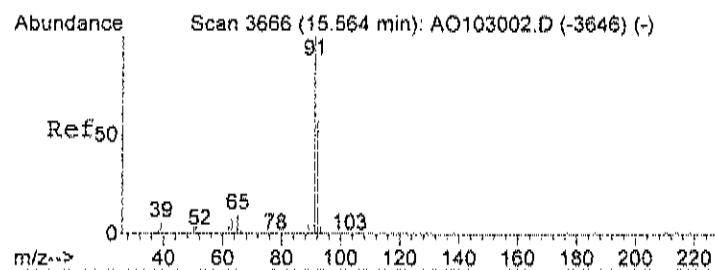
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 57 | 100 | | |
| 41 | 36.2 | 7.2 | 47.2 |
| 56 | 34.4 | 11.0 | 51.0 |



#43
Heptane
Concen: 0.33 ppb
RT: 13.36 min Scan# 2929
Delta R.T. -0.00 min
Lab File: AO103009.D
Acq: 30 Oct 2017 5:39 pm

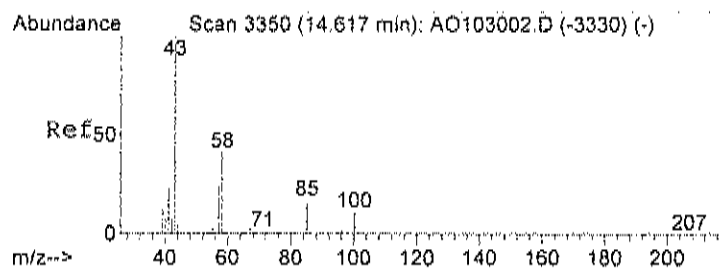
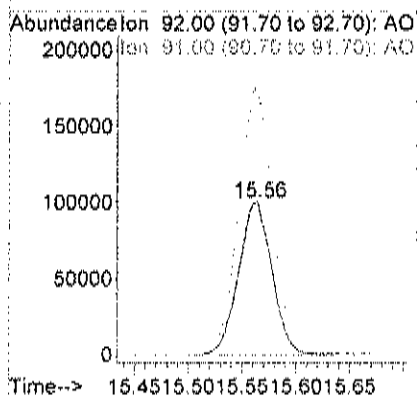
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43 | 100 | | |
| 57 | 76.3 | 33.9 | 73.9# |
| 71 | 52.4 | 38.3 | 78.3 |





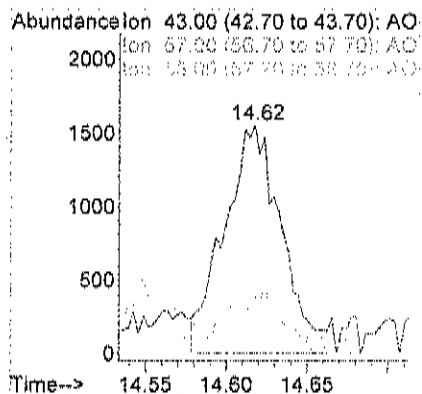
#51
Toluene
Concen: 3.82 ppb
RT: 15.56 min Scan# 3666
Delta R.T. 0.00 min
Lab File: AO103009.D
Acq: 30 Oct 2017 5:39 pm

Tgt Ion: 92 Resp: 216488
Ion Ratio Lower Upper
92 100
91 176.4 142.4 182.4

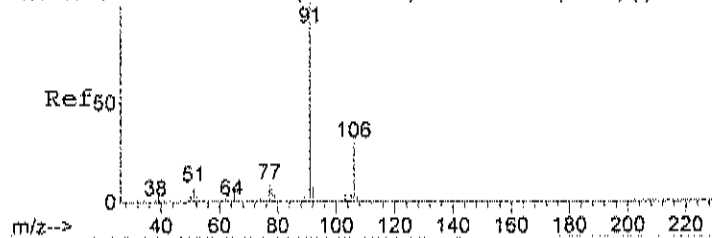


#52
Methyl Isobutyl Ketone
Concen: 0.11 ppb
RT: 14.62 min Scan# 3350
Delta R.T. -0.00 min
Lab File: AO103009.D
Acq: 30 Oct 2017 5:39 pm

Tgt Ion: 43 Resp: 3848
Ion Ratio Lower Upper
43 100
57 16.0 1.2 41.2
58 30.6 16.4 56.4



Abundance Scan 4446 (17.900 min): AO103002.D (-4426) (-)



#58

Ethylbenzene

Concen: 0.43 ppb

RT: 17.90 min Scan# 4446

Delta R.T. -0.00 min

Lab File: AO103009.D

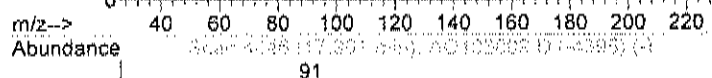
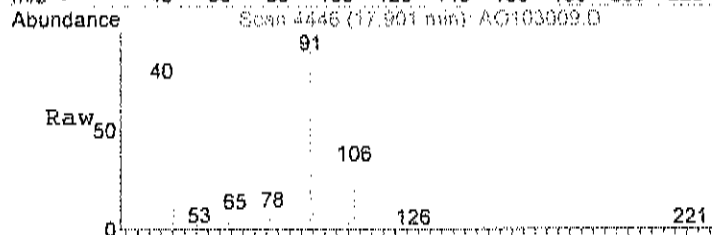
Acq: 30 Oct 2017 5:39 pm

Tgt Ion: 91 Resp: 53724

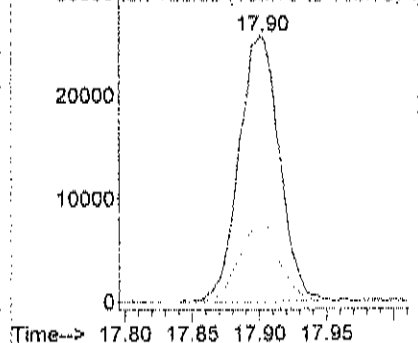
Ion Ratio Lower Upper

91 100

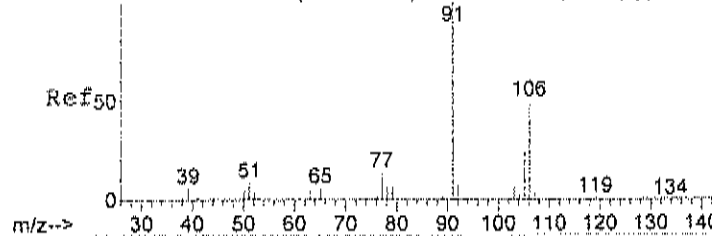
106 30.1 10.7 50.7



Abundance Ion 91.00 (90.70 to 91.70): AO103009.D



Abundance Scan 4517 (18.113 min): AO103002.D (-4488) (-)



#59

m,p-xylene

Concen: 1.68 ppb

RT: 18.08 min Scan# 4506

Delta R.T. -0.04 min

Lab File: AO103009.D

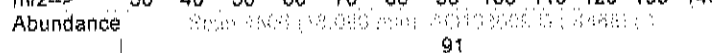
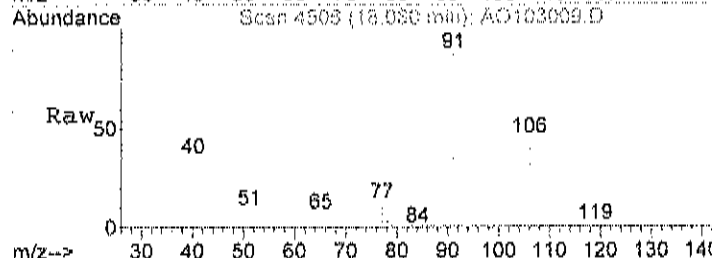
Acq: 30 Oct 2017 5:39 pm

Tgt Ion: 91 Resp: 150724

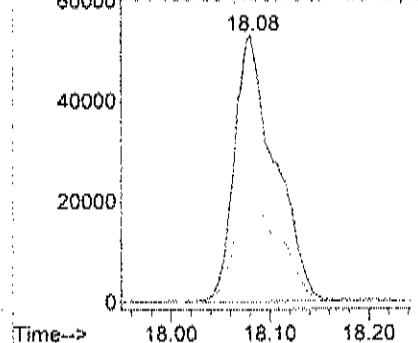
Ion Ratio Lower Upper

91 100

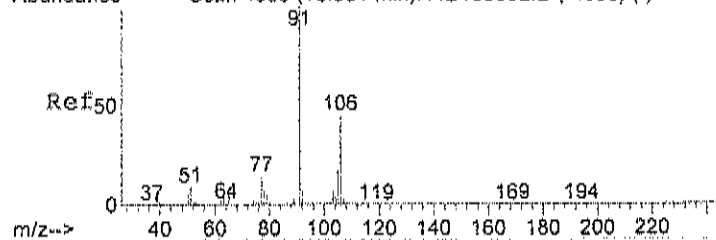
106 47.0 25.4 65.4



Abundance Ion 91.00 (90.70 to 91.70): AO103009.D



Abundance Scan 4680 (18.601 min): AO103002.D (-4658) (-)



#63

o-xylene

Concen: 0.64 ppb

RT: 18.60 min Scan# 4680

Delta R.T. -0.00 min

Lab File: AO103009.D

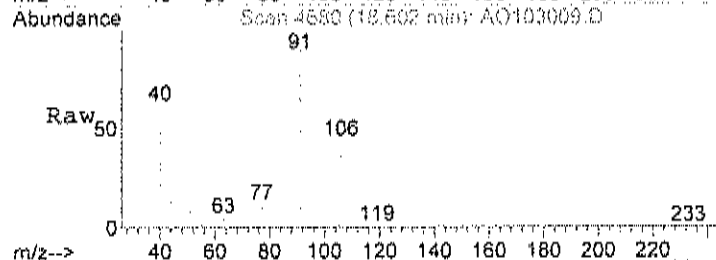
Acq: 30 Oct 2017 5:39 pm

Tgt Ion: 91 Resp: 62413

Ion Ratio Lower Upper

91 100

106 46.1 30.9 70.9



Abundance Ion 91.00 (90.70 to 91.70): AO

Ion 106.00 (105.70 to 106.70):

18.60

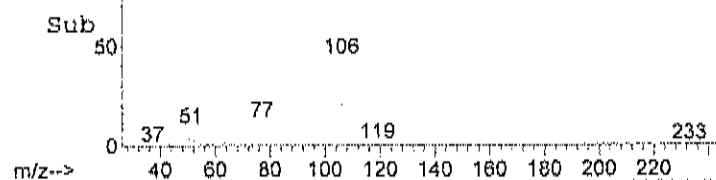
30000

20000

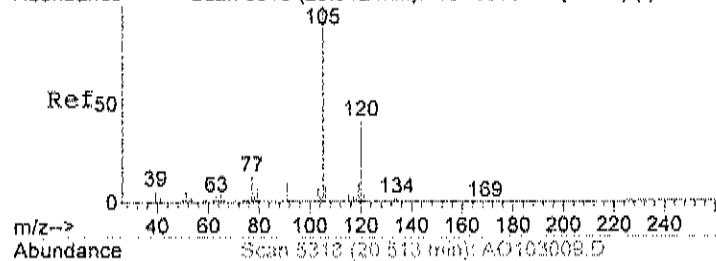
10000

0

Time--> 18.55 18.60 18.65



Abundance Scan 5318 (20.512 min): AO103002.D (-5297) (-)



#71

1,2,4-trimethylbenzene

Concen: 0.43 ppb

RT: 20.51 min Scan# 5318

Delta R.T. -0.00 min

Lab File: AO103009.D

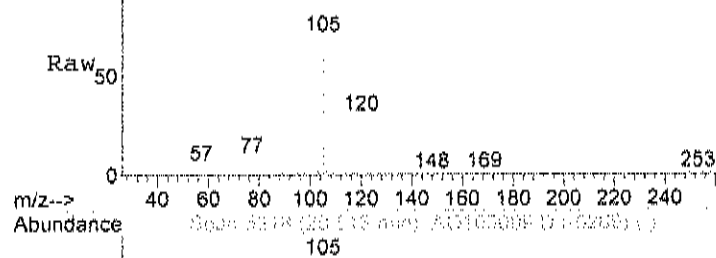
Acq: 30 Oct 2017 5:39 pm

Tgt Ion: 105 Resp: 27150

Ion Ratio Lower Upper

105 100

120 44.0 27.6 67.6



Abundance Ion 105.00 (104.70 to 105.70):

Ion 120.00 (119.70 to 120.70):

20.51

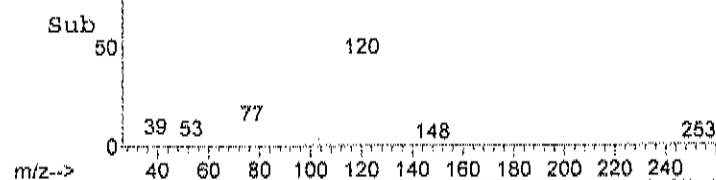
15000

10000

5000

0

Time--> 20.45 20.50 20.55 20.60



Quantitation Report

(QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AO103014.D

Vial: 30

Acq On : 31 Oct 2017 12:39 am

Operator: RJP

Sample : C1710061-002A 5x

Inst : MSD #1

Misc : AN30_1UG

Multiplr: 1.00

MS Integration Params: RTEINT.P

Quant Time: Oct 31 11:13:24 2017

Quant Results File: AN24_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\AN24_1UG.M (RTE Integrator)

Title : TO-15 VOA Standards for 5 point calibration

Last Update : Wed Oct 25 08:32:47 2017

Response via : Initial Calibration

DataAcq Meth : 1UG_RUN

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------|-------|------|----------|------|-------|----------|
| 1) Bromochloromethane | 10.63 | 128 | 18362 | 1.00 | ppb | 0.00 |
| 35) 1,4-difluorobenzene | 12.85 | 114 | 85308 | 1.00 | ppb | -0.01 |
| 50) Chlorobenzene-d5 | 17.58 | 117 | 69254 | 1.00 | ppb | 0.00 |

System Monitoring Compounds

| | | | | | | |
|------------------------|-------|-------|----------|----------|-----|--------|
| 65) Bromofluorobenzene | 19.31 | 95 | 45106 | 0.97 | ppb | 0.00 |
| Spiked Amount | 1.000 | Range | 70 ~ 130 | Recovery | = | 97.00% |

Target Compounds

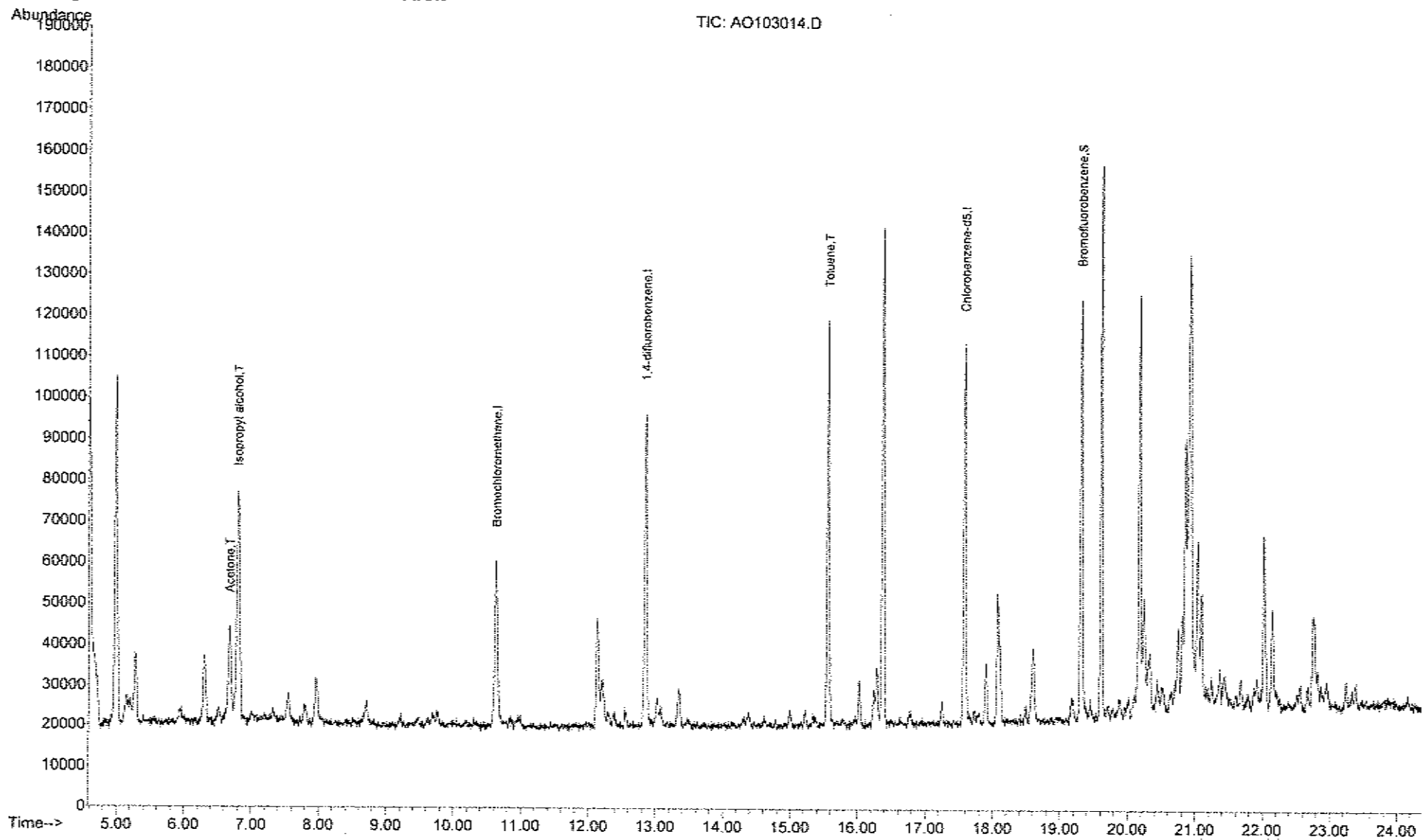
| | | | | | Qvalue |
|-----------------------|-------|----|--------|------|---------|
| 15) Acetone | 6.67 | 58 | 10888m | 1.36 | ppb |
| 17) Isopropyl alcohol | 6.78 | 45 | 35285 | 1.42 | ppb # 1 |
| 51) Toluene | 15.56 | 92 | 52443 | 1.05 | ppb 89 |

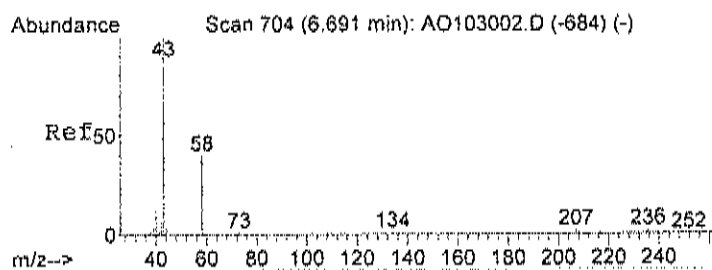
Data File : C:\HPCHEM\1\DATA2\AO103014.D
Acq On : 31 Oct 2017 12:39 am
Sample : C1710061-002A 5x
Misc : AN30_1UG
MS Integration Params: RTEINT.P
Quant Time: Nov 2 12:54 2017

Vial: 30
Operator: RJP
Inst : MSD #1
Multiplr: 1.00

Quant Results File: AN24_1UG.RES

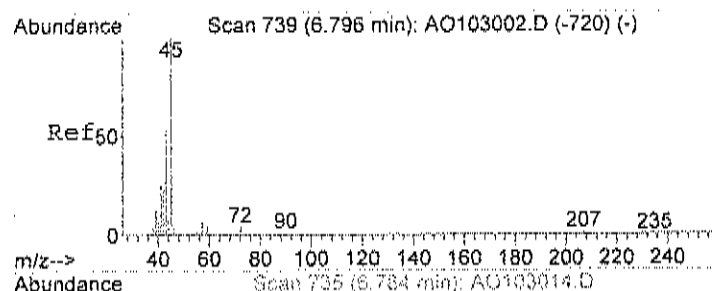
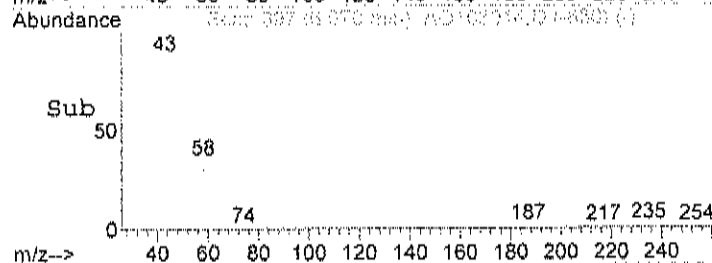
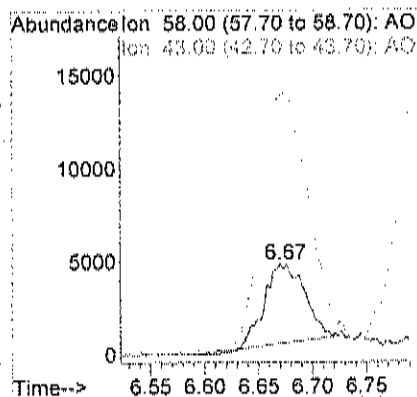
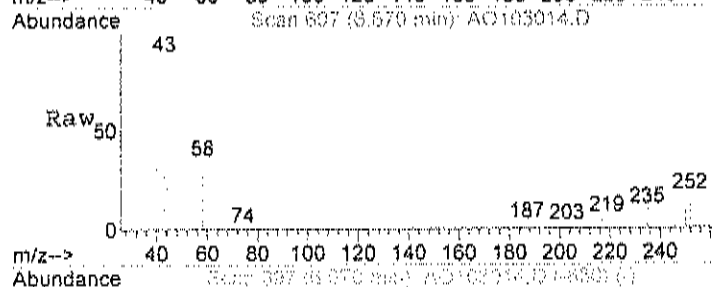
Method : C:\HPCHEM\1\METHODS\AN24_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Mon Nov 20 08:43:22 2017
Response via : Initial Calibration





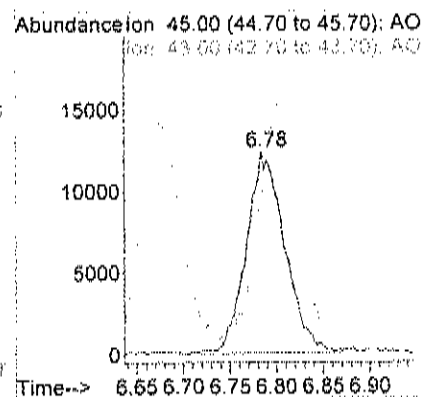
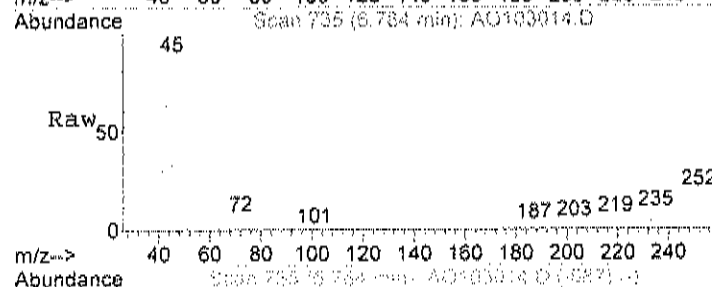
#15
Acetone
Concen: 1.36 ppb m
RT: 6.67 min Scan# 697
Delta R.T. -0.01 min
Lab File: AO103014.D
Acq: 31 Oct 2017 12:39 am

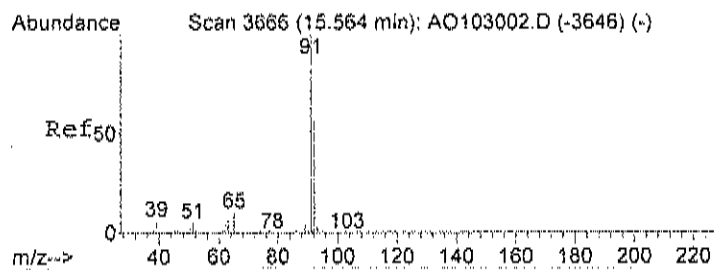
Tgt Ion: 58 Resp: 10888
Ion Ratio Lower Upper
58 100
43 408.0 308.4 368.4#



#17
Isopropyl alcohol
Concen: 1.42 ppb
RT: 6.78 min Scan# 735
Delta R.T. -0.01 min
Lab File: AO103014.D
Acq: 31 Oct 2017 12:39 am

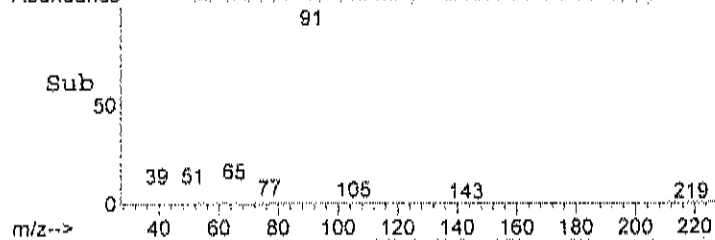
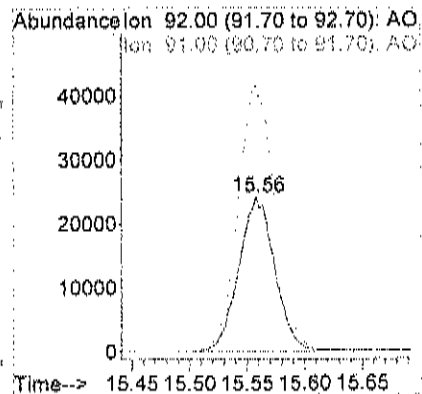
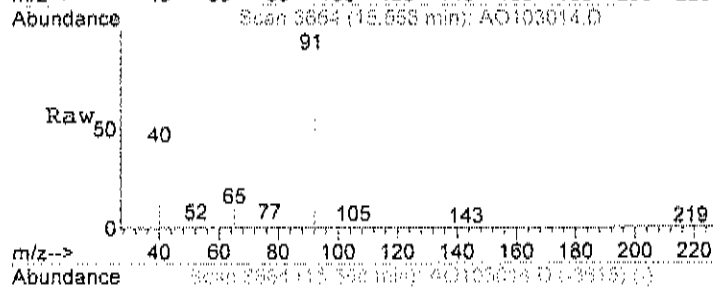
Tgt Ion: 45 Resp: 35285
Ion Ratio Lower Upper
45 100
43 134.3 4.3 44.3#





#51
Toluene
Concen: 1.05 ppb
RT: 15.56 min Scan# 3664
Delta R.T. -0.00 min
Lab File: AO103014.D
Acq: 31 Oct 2017 12:39 am

Tgt Ion: 92 Resp: 52443
Ion Ratio Lower Upper
92 100
91 176.5 142.4 182.4



Centek Laboratories, LLC

Date: 20-Nov-17

CLIENT: LaBella Associates, P.C.
 Lab Order: C1710061
 Project: 300 Commerce Dr
 Lab ID: C1710061-003A

Client Sample ID: 2017_10_24_Outdoor
 Tag Number: 484.267
 Collection Date: 10/24/2017
 Matrix: AIR

| Analyses | Result | **Limit | Qual | Units | DF | Date Analyzed |
|--------------------------------------|--------|---------|-------|-------|----|------------------------|
| FIELD PARAMETERS | | | | | | |
| | | | FLD | | | Analyst: |
| Lab Vacuum In | -2 | | | "Hg | | 10/27/2017 |
| Lab Vacuum Out | -30 | | | "Hg | | 10/27/2017 |
| 1UG/M3 W/ 0.25UG/M3 CT-TCE-VC | | | | | | |
| | | | TO-15 | | | Analyst: RJP |
| 1,1,1-Trichloroethane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| 1,1,2,2-Tetrachloroethane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| 1,1,2-Trichloroethane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| 1,1-Dichloroethane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| 1,1-Dichloroethene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| 1,2,4-Trichlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| 1,2,4-Trimethylbenzene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| 1,2-Dibromoethane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| 1,2-Dichlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| 1,2-Dichloroethane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| 1,2-Dichloropropane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| 1,3,5-Trimethylbenzene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| 1,3-butadiene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| 1,3-Dichlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| 1,4-Dichlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| 1,4-Dioxane | < 0.30 | 0.30 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| 2,2,4-trimethylpentane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| 4-ethyltoluene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| Acetone | 3.2 | 0.60 | | ppbV | 2 | 10/30/2017 11:25:00 PM |
| Allyl chloride | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| Benzene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| Benzyl chloride | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| Bromodichloromethane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| Bromoform | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| Bromomethane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| Carbon disulfide | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| Carbon tetrachloride | 0.070 | 0.040 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| Chlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| Chloroethane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| Chloroform | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| Chloromethane | 0.39 | 0.15 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| cis-1,2-Dichloroethene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| cis-1,3-Dichloropropene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| Cyclohexane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| Dibromochloromethane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| Ethyl acetate | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 2:48:00 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: 20-Nov-17

CLIENT: LaBella Associates, P.C.
 Lab Order: C1710061
 Project: 300 Commerce Dr
 Lab ID: C1710061-003A

Client Sample ID: 2017_10_24_Outdoor
 Tag Number: 484.267
 Collection Date: 10/24/2017
 Matrix: AIR

| Analyses | Result | **Limit | Qual | Units | DF | Date Analyzed |
|-------------------------------|---------|---------|------|--------------|----|-----------------------|
| 1UG/M3 W/ 0.25UG/M3 CT-TCE-VC | | TO-15 | | Analyst: RJP | | |
| Ethylbenzene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| Freon 11 | 0.21 | 0.15 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| Freon 113 | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| Freon 114 | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| Freon 12 | 0.44 | 0.15 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| Heptane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| Hexachloro-1,3-butadiene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| Hexane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| Isopropyl alcohol | 0.54 | 0.15 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| m&p-Xylene | 0.23 | 0.30 | J | ppbV | 1 | 10/30/2017 2:48:00 PM |
| Methyl Butyl Ketone | < 0.30 | 0.30 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| Methyl Ethyl Ketone | 0.33 | 0.30 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| Methyl Isobutyl Ketone | 0.11 | 0.30 | J | ppbV | 1 | 10/30/2017 2:48:00 PM |
| Methyl tert-butyl ether | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| Methylene chloride | 0.26 | 0.15 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| o-Xylene | 0.10 | 0.15 | J | ppbV | 1 | 10/30/2017 2:48:00 PM |
| Propylene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| Styrene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| Tetrachloroethylene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| Tetrahydrofuran | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| Toluene | 0.77 | 0.15 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| trans-1,2-Dichloroethene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| trans-1,3-Dichloropropene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| Trichloroethene | < 0.040 | 0.040 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| Vinyl acetate | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| Vinyl Bromide | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| Vinyl chloride | < 0.040 | 0.040 | | ppbV | 1 | 10/30/2017 2:48:00 PM |
| Surr: Bromofluorobenzene | 100 | 70-130 | | %REC | 1 | 10/30/2017 2:48:00 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

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Centek Laboratories, LLC

Date: 20-Nov-17

CLIENT: LaBella Associates, P.C.
 Lab Order: C1710061
 Project: 300 Commerce Dr
 Lab ID: C1710061-003A

Client Sample ID: 2017_10_24_Outdoor
 Tag Number: 484.267
 Collection Date: 10/24/2017
 Matrix: AIR

| Analyses | Result | **Limit | Qual | Units | DF | Date Analyzed |
|-------------------------------|--------|---------|------|--------------|----|------------------------|
| 1UG/M3 W/ 0.25UG/M3 CT-TCE-VC | | TO-15 | | Analyst: RJP | | |
| 1,1,1-Trichloroethane | < 0.82 | 0.82 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| 1,1,2,2-Tetrachloroethane | < 1.0 | 1.0 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| 1,1,2-Trichloroethane | < 0.82 | 0.82 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| 1,1-Dichloroethane | < 0.61 | 0.61 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| 1,1-Dichloroethene | < 0.59 | 0.59 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| 1,2,4-Trichlorobenzene | < 1.1 | 1.1 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| 1,2,4-Trimethylbenzene | < 0.74 | 0.74 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| 1,2-Dibromoethane | < 1.2 | 1.2 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| 1,2-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| 1,2-Dichloroethane | < 0.61 | 0.61 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| 1,2-Dichloropropane | < 0.69 | 0.69 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| 1,3,5-Trimethylbenzene | < 0.74 | 0.74 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| 1,3-butadiene | < 0.33 | 0.33 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| 1,3-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| 1,4-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| 1,4-Dioxane | < 1.1 | 1.1 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| 2,2,4-trimethylpentane | < 0.70 | 0.70 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| 4-ethyltoluene | < 0.74 | 0.74 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| Acetone | 7.6 | 1.4 | | ug/m3 | 2 | 10/30/2017 11:25:00 PM |
| Allyl chloride | < 0.47 | 0.47 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| Benzene | < 0.48 | 0.48 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| Benzyl chloride | < 0.86 | 0.86 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| Bromodichloromethane | < 1.0 | 1.0 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| Bromoform | < 1.6 | 1.6 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| Bromomethane | < 0.58 | 0.58 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| Carbon disulfide | < 0.47 | 0.47 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| Carbon tetrachloride | 0.44 | 0.25 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| Chlorobenzene | < 0.69 | 0.69 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| Chloroethane | < 0.40 | 0.40 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| Chloroform | < 0.73 | 0.73 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| Chloromethane | 0.81 | 0.31 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| cis-1,2-Dichloroethene | < 0.59 | 0.59 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| cis-1,3-Dichloropropene | < 0.68 | 0.68 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| Cyclohexane | < 0.52 | 0.52 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| Dibromochloromethane | < 1.3 | 1.3 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| Ethyl acetate | < 0.54 | 0.54 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| Ethylbenzene | < 0.65 | 0.65 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| Freon 11 | 1.2 | 0.84 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| Freon 113 | < 1.1 | 1.1 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| Freon 114 | < 1.0 | 1.0 | | ug/m3 | 1 | 10/30/2017 2:48:00 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

Page 5 of 10

Centek Laboratories, LLC

Date: 20-Nov-17

CLIENT: LaBella Associates, P.C.
 Lab Order: C1710061
 Project: 300 Commerce Dr
 Lab ID: C1710061-003A

Client Sample ID: 2017_10_24_Outdoor
 Tag Number: 484.267
 Collection Date: 10/24/2017
 Matrix: AIR

| Analyses | Result | **Limit | Qual | Units | DF | Date Analyzed |
|-------------------------------|--------|---------|------|--------------|----|-----------------------|
| 1UG/M3 W/ 0.25UG/M3 CT-TCE-VC | | TO-15 | | Analyst: RJP | | |
| Freon 12 | 2.2 | 0.74 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| Heptane | < 0.61 | 0.61 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| Hexachloro-1,3-butadiene | < 1.6 | 1.6 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| Hexane | < 0.53 | 0.53 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| Isopropyl alcohol | 1.3 | 0.37 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| m&p-Xylene | 1.0 | 1.3 | J | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| Methyl Butyl Ketone | < 1.2 | 1.2 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| Methyl Ethyl Ketone | 0.97 | 0.88 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| Methyl Isobutyl Ketone | 0.45 | 1.2 | J | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| Methyl tert-butyl ether | < 0.54 | 0.54 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| Methylene chloride | 0.90 | 0.52 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| o-Xylene | 0.43 | 0.65 | J | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| Propylene | < 0.26 | 0.26 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| Styrene | < 0.64 | 0.64 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| Tetrachloroethylene | < 1.0 | 1.0 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| Tetrahydrofuran | < 0.44 | 0.44 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| Toluene | 2.9 | 0.57 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| trans-1,2-Dichloroethene | < 0.59 | 0.59 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| trans-1,3-Dichloropropene | < 0.68 | 0.68 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| Trichloroethene | < 0.21 | 0.21 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| Vinyl acetate | < 0.53 | 0.53 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| Vinyl Bromide | < 0.66 | 0.66 | | ug/m3 | 1 | 10/30/2017 2:48:00 PM |
| Vinyl chloride | < 0.10 | 0.10 | | ug/m3 | 1 | 10/30/2017 2:48:00 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\AO103005.D

Vial: 21

Acq On : 30 Oct 2017 2:48 pm

Operator: RJP

Sample : C1710061-003A

Inst : MSD #1

Misc : AN30_1UG

Multiplr: 1.00

MS Integration Params: RTEINT.P

Quant Time: Oct 30 17:28:31 2017

Quant Results File: AN24_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\AN24_1UG.M (RTE Integrator)

Title : TO-15 VOA Standards for 5 point calibration

Last Update : Wed Oct 25 08:32:47 2017

Response via : Initial Calibration

DataAcq Meth : 1UG_RUN

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------|-------|------|----------|------|-------|----------|
| 1) Bromochloromethane | 10.63 | 128 | 21360 | 1.00 | ppb | 0.00 |
| 35) 1,4-difluorobenzene | 12.86 | 114 | 95496 | 1.00 | ppb | 0.00 |
| 50) Chlorobenzene-d5 | 17.58 | 117 | 79322 | 1.00 | ppb | 0.00 |

System Monitoring Compounds

| | | | | | | |
|------------------------|-------|-------|----------|----------|-----|---------|
| 65) Bromofluorobenzene | 19.31 | 95 | 53103 | 1.00 | ppb | 0.00 |
| Spiked Amount | 1.000 | Range | 70 - 130 | Recovery | = | 100.00% |

Target Compounds

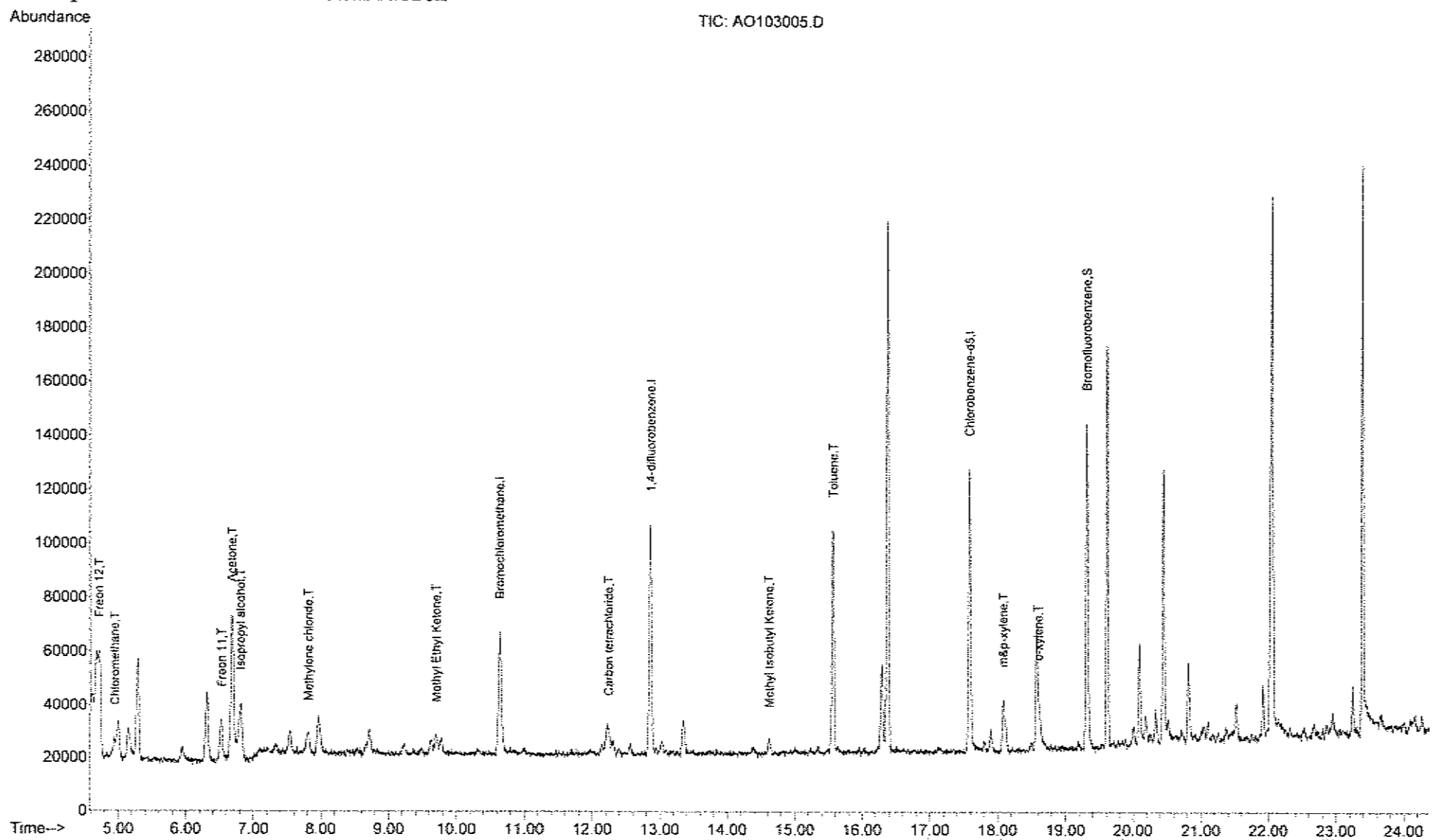
| | | | | | | Qvalue |
|----------------------------|-------|-----|-------|------|-----|--------|
| 3) Freon 12 | 4.72 | 85 | 43473 | 0.44 | ppb | 98 |
| 4) Chloromethane | 4.94 | 50 | 8628 | 0.39 | ppb | 97 |
| 14) Freon 11 | 6.52 | 101 | 20776 | 0.21 | ppb | 99 |
| 15) Acetone | 6.68 | 58 | 40982 | 4.40 | ppb | # 65 |
| 17) Isopropyl alcohol | 6.80 | 45 | 15553 | 0.54 | ppb | # 1 |
| 21) Methylene chloride | 7.80 | 84 | 6762 | 0.26 | ppb | 95 |
| 28) Methyl Ethyl Ketone | 9.69 | 72 | 3922 | 0.33 | ppb | # 1 |
| 38) Carbon tetrachloride | 12.24 | 117 | 5700 | 0.08 | ppb | 95 |
| 51) Toluene | 15.57 | 92 | 44220 | 0.77 | ppb | 88 |
| 52) Methyl Isobutyl Ketone | 14.61 | 43 | 3941 | 0.11 | ppb | 96 |
| 59) m&p-xylene | 18.08 | 91 | 20893 | 0.23 | ppb | 93 |
| 63) o-xylene | 18.60 | 91 | 10209 | 0.10 | ppb | 97 |

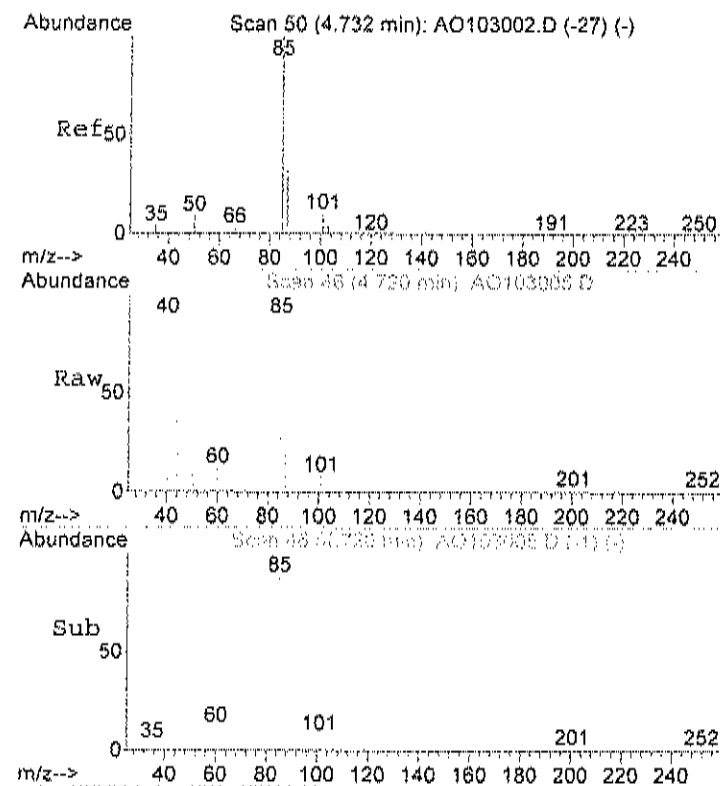
Data File : C:\HPCHEM\1\DATA2\AO103005.D
Acq On : 30 Oct 2017 2:48 pm
Sample : C1710061-003A
Misc : AN30_1UG
MS Integration Params: RTEINT.P
Quant Time: Nov 2 12:38 2017

Vial: 21
Operator: RJP
Inst : MSD #1
Multiplr: 1.00

Quant Results File: AN24_1UG.RES

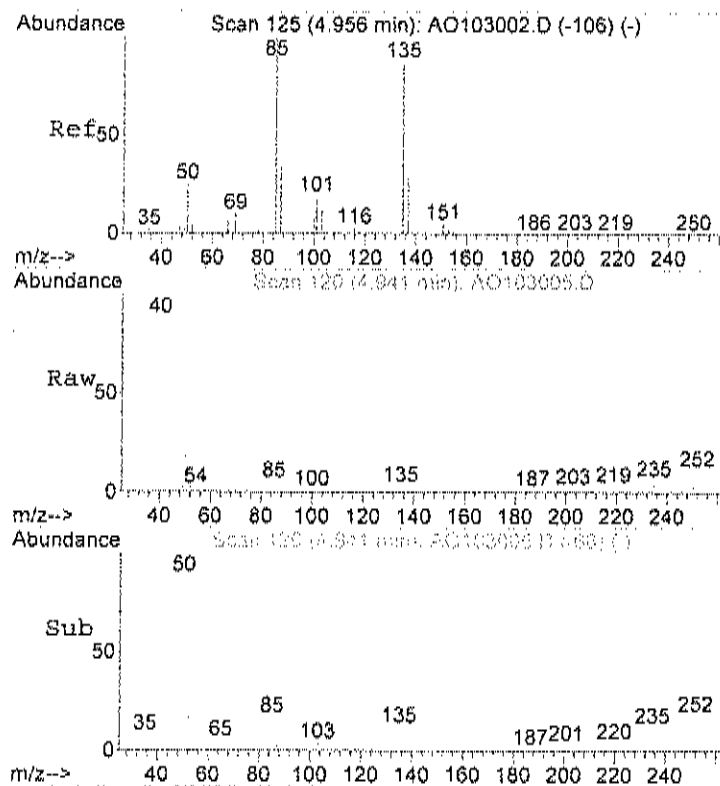
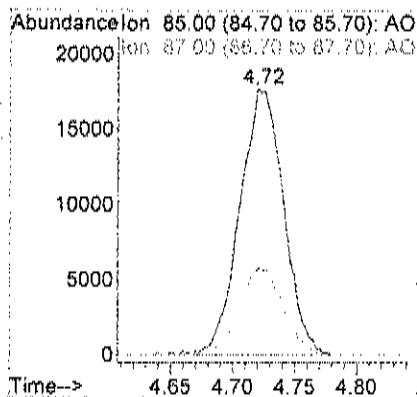
Method : C:\HPCHEM\1\METHODS\AN24_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Mon Nov 20 08:43:22 2017
Response via : Initial Calibration





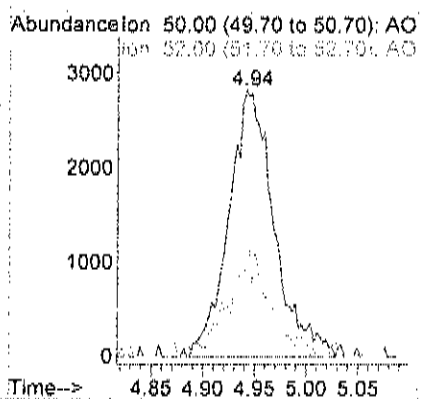
#3
Freon 12
Concen: 0.44 ppb
RT: 4.72 min Scan# 46
Delta R.T. 0.01 min
Lab File: AO103005.D
Acq: 30 Oct 2017 2:48 pm

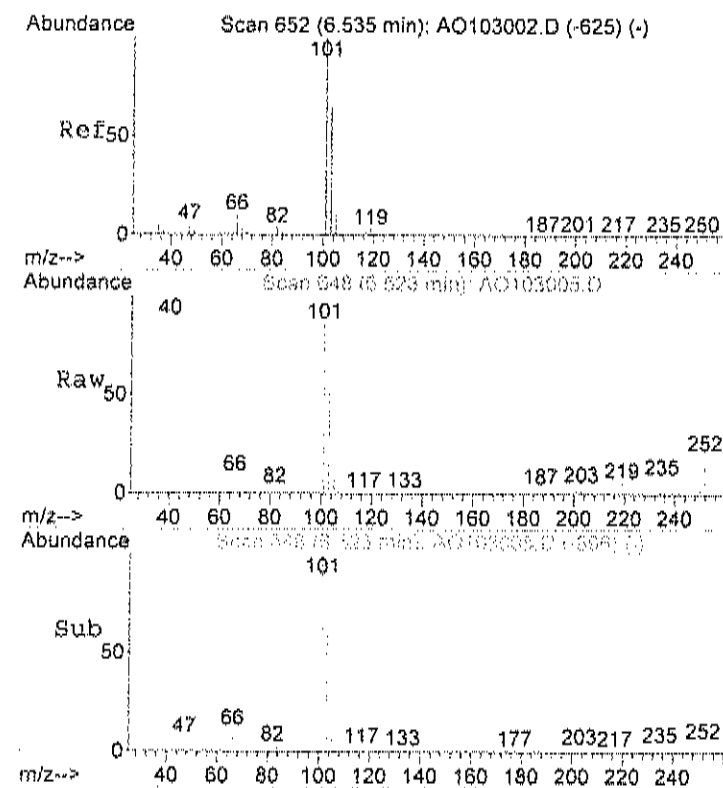
Tgt Ion: 85 Resp: 43473
Ion Ratio Lower Upper
85 100
87 33.0 12.1 52.1



#4
Chloromethane
Concen: 0.39 ppb
RT: 4.94 min Scan# 120
Delta R.T. 0.00 min
Lab File: AO103005.D
Acq: 30 Oct 2017 2:48 pm

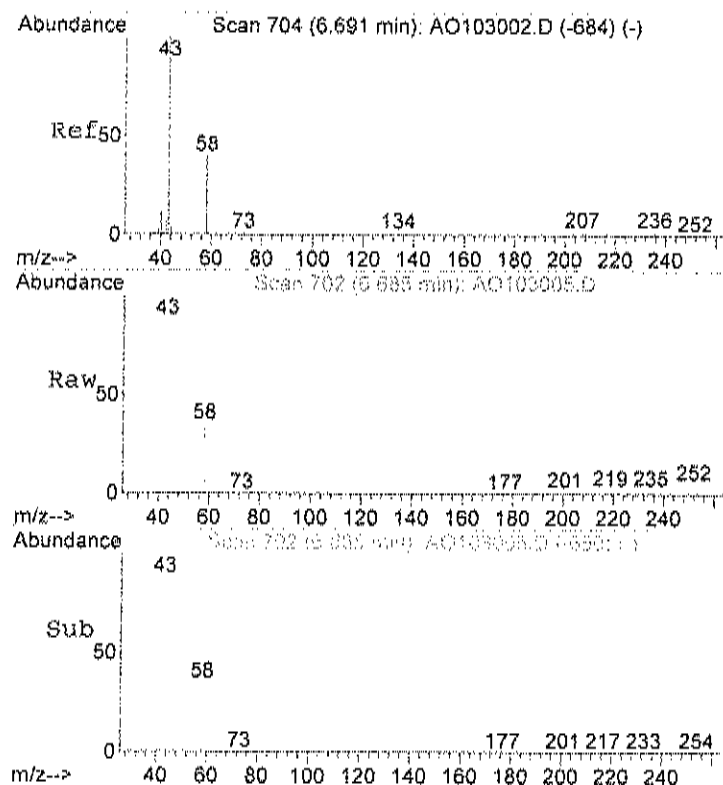
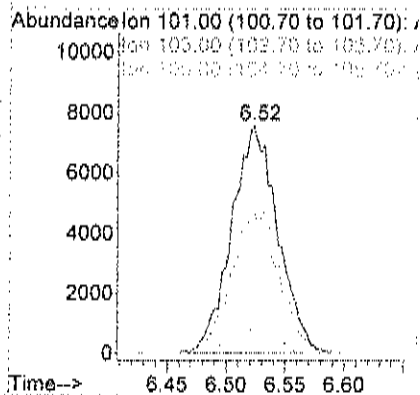
Tgt Ion: 50 Resp: 8628
Ion Ratio Lower Upper
50 100
52 34.1 15.9 55.9





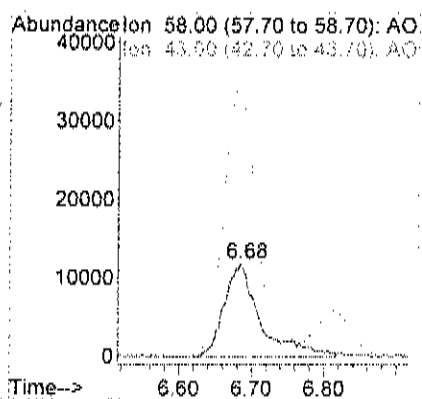
#14
Freon 11
Concen: 0.21 ppb
RT: 6.52 min Scan# 648
Delta R.T. 0.00 min
Lab File: AO103005.D
Acq: 30 Oct 2017 2:48 pm

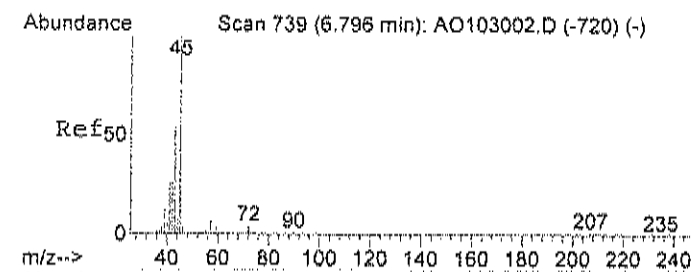
| Tgt Ion | 101 | Resp | 20776 |
|---------|-------|-------|-------|
| Ion | Ratio | Lower | Upper |
| 101 | 100 | | |
| 103 | 65.4 | 44.4 | 84.4 |
| 105 | 11.4 | 0.0 | 30.5 |



#15
Acetone
Concen: 4.40 ppb
RT: 6.68 min Scan# 702
Delta R.T. 0.00 min
Lab File: AO103005.D
Acq: 30 Oct 2017 2:48 pm

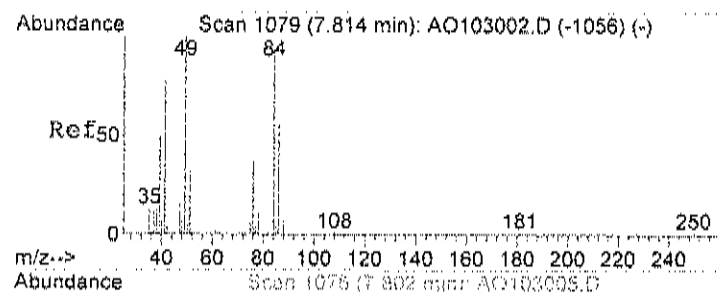
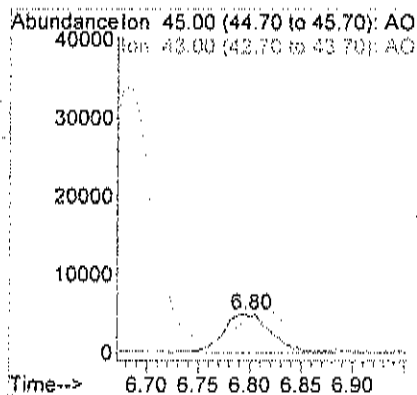
| Tgt Ion | 58 | Resp | 40982 |
|---------|-------|-------|--------|
| Ion | Ratio | Lower | Upper |
| 58 | 100 | | |
| 43 | 263.6 | 308.4 | 368.4# |





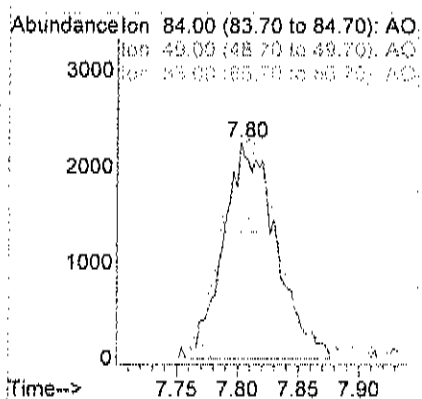
#17
Isopropyl alcohol
Concen: 0.54 ppb
RT: 6.80 min Scan# 739
Delta R.T. 0.00 min
Lab File: AO103005.D
Acq: 30 Oct 2017 2:48 pm

Tgt Ion: 45 Resp: 15553
Ion Ratio Lower Upper
45 100
43 104.2 4.3 44.3#

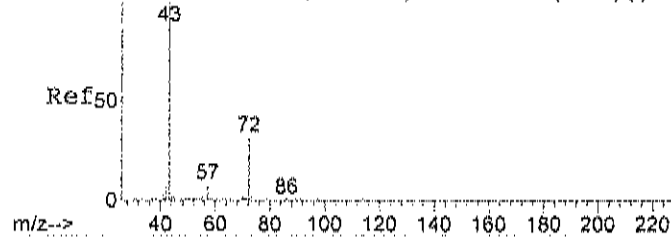


#21
Methylene chloride
Concen: 0.26 ppb
RT: 7.80 min Scan# 1075
Delta R.T. -0.01 min
Lab File: AO103005.D
Acq: 30 Oct 2017 2:48 pm

Tgt Ion: 84 Resp: 6762
Ion Ratio Lower Upper
84 100
49 107.8 85.0 125.0
86 64.9 38.9 78.9



Abundance Scan 1706 (9.692 min): AO103002.D (-1689) (-)



#28

Methyl Ethyl Ketone

Concen: 0.33 ppb

RT: 9.69 min Scan# 1706

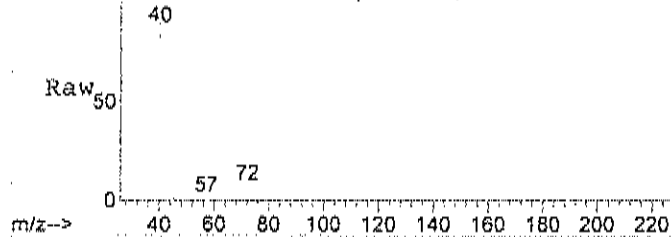
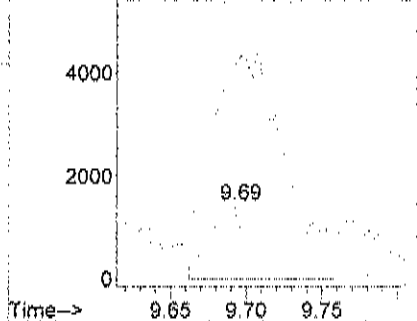
Delta R.T. 0.00 min

Lab File: AO103005.D

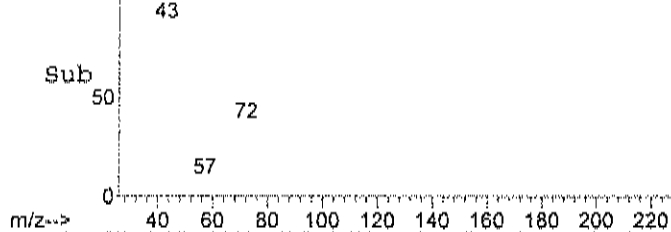
Acq: 30 Oct 2017 2:48 pm

| | | | |
|----------|-------|-------|--------|
| Tgt Ion: | 72 | Resp: | 3922 |
| Ion | Ratio | Lower | Upper |
| 72 | 100 | | |
| 43 | 0.0 | 267.6 | 307.6# |
| 72 | 100.0 | 80.0 | 120.0 |

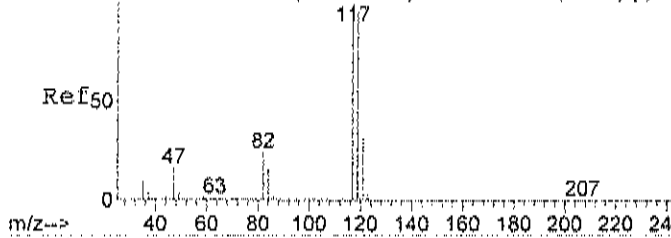
Abundance Scan 1706 (9.692 min): AO103005.D

Abundance Ion 72.00 (71.70 to 72.70): AO
Ion 43.00 (42.70 to 43.30): AO
Ion 72.00 (71.70 to 72.70): AO

Abundance Scan 1706 (9.692 min): AO103005.D (-1689) (-)



Abundance Scan 2558 (12.245 min): AO103002.D (-2535) (-)



#38

Carbon tetrachloride

Concen: 0.08 ppb

RT: 12.24 min Scan# 2558

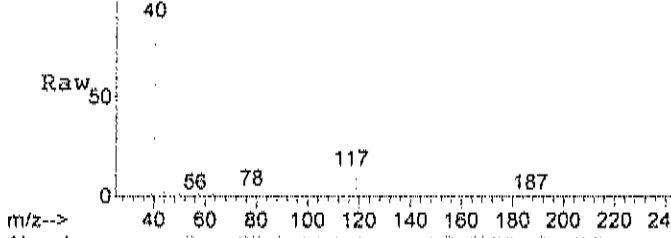
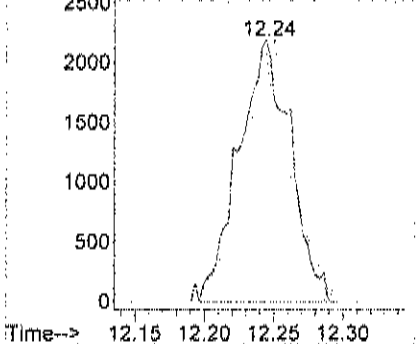
Delta R.T. 0.00 min

Lab File: AO103005.D

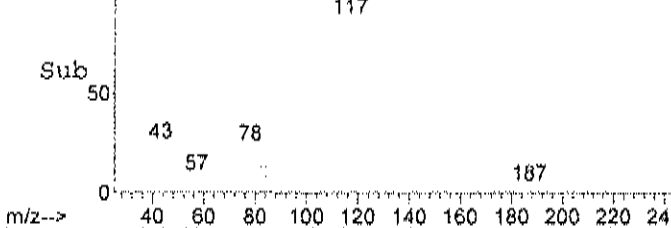
Acq: 30 Oct 2017 2:48 pm

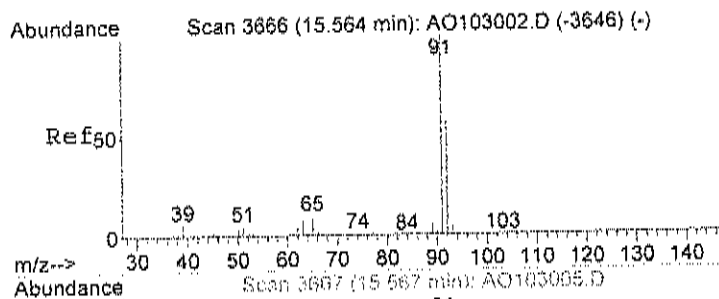
| | | | |
|----------|-------|-------|-------|
| Tgt Ion: | 117 | Resp: | 5700 |
| Ion | Ratio | Lower | Upper |
| 117 | 100 | | |
| 119 | 95.0 | 70.1 | 110.1 |

Abundance Scan 2558 (12.245 min): AO103005.D

Abundance Ion 117.00 (116.70 to 117.70): AO
Ion 119.00 (116.70 to 119.70): AO

Abundance Scan 2558 (12.245 min): AO103005.D (-2535) (-)



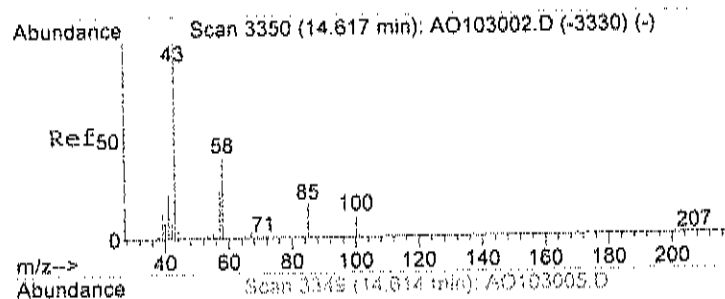
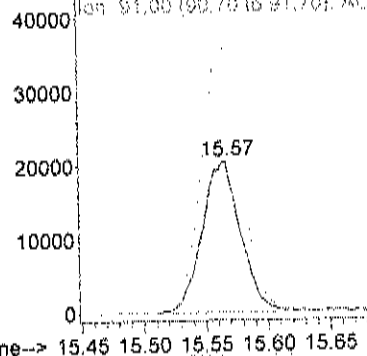


#51
Toluene
Concen: 0.77 ppb
RT: 15.57 min Scan# 3667
Delta R.T. 0.00 min
Lab File: AO103005.D
Acq: 30 Oct 2017 2:48 pm

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 92 | 100 | | |
| 91 | 178.0 | 142.4 | 182.4 |

Abundance Ion 92.00 (91.70 to 92.70): AO

Ion 91.00 (90.70 to 91.70): AO



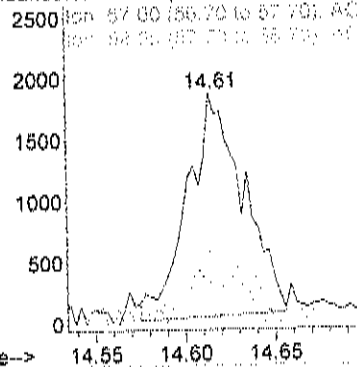
#52
Methyl Isobutyl Ketone
Concen: 0.11 ppb
RT: 14.61 min Scan# 3349
Delta R.T. -0.00 min
Lab File: AO103005.D
Acq: 30 Oct 2017 2:48 pm

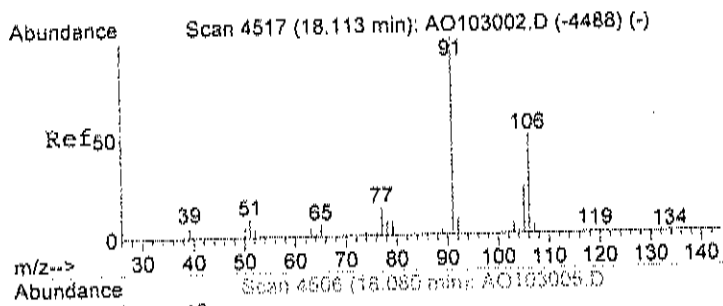
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43 | 100 | | |
| 57 | 21.2 | 1.2 | 41.2 |
| 58 | 40.3 | 16.4 | 56.4 |

Abundance Ion 43.00 (42.70 to 43.70): AO

Ion 57.00 (56.70 to 57.70): AO

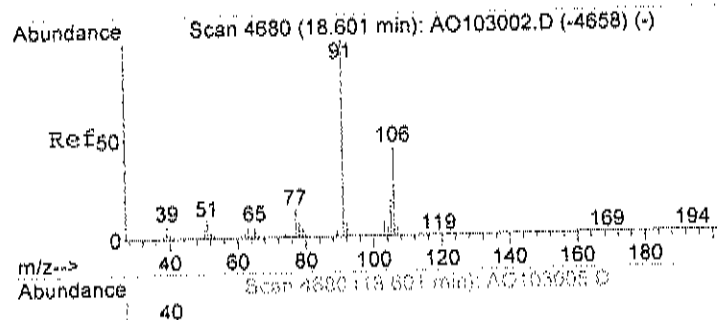
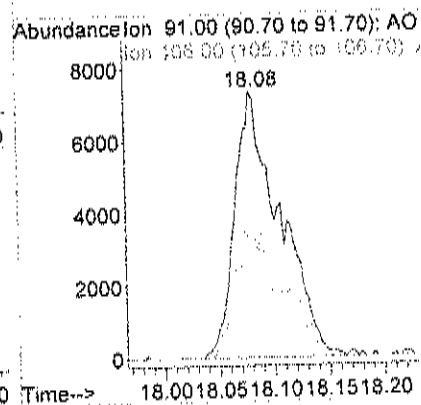
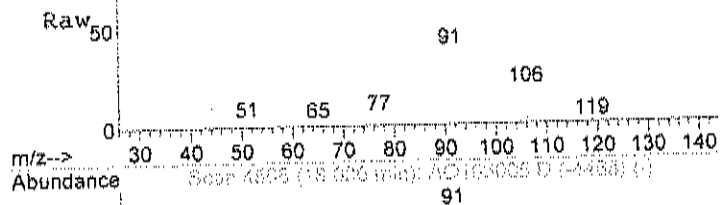
Ion 58.00 (57.70 to 58.70): AO





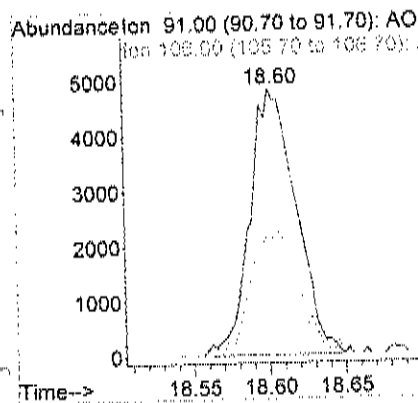
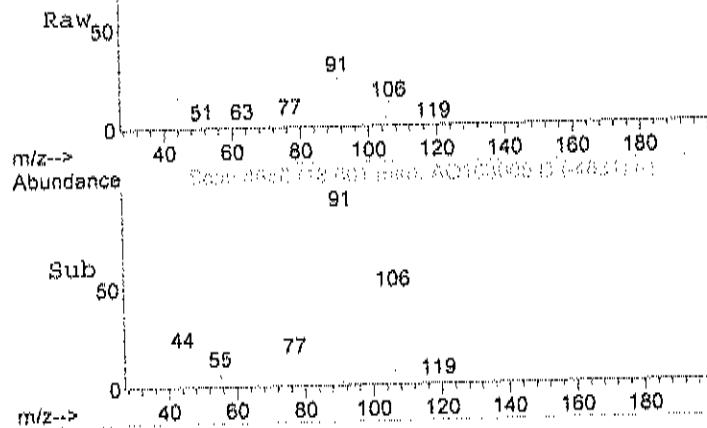
#59
m&p-xylene
Concen: 0.23 ppb
RT: 18.08 min Scan# 4506
Delta R.T. -0.04 min
Lab File: AO103005.D
Acq: 30 Oct 2017 2:48 pm

Tgt Ion: 91 Resp: 20893
Ion Ratio Lower Upper
91 100
106 50.2 25.4 65.4



#63
o-xylene
Concen: 0.10 ppb
RT: 18.60 min Scan# 4680
Delta R.T. -0.00 min
Lab File: AO103005.D
Acq: 30 Oct 2017 2:48 pm

Tgt Ion: 91 Resp: 10209
Ion Ratio Lower Upper
91 100
106 48.6 30.9 70.9



Data File : C:\HPCHEM\1\DATA2\AO103012.D

Vial: 28

Acq On : 30 Oct 2017 11:25 pm

Operator: RJP

Sample : C1710061-003A 2x

Inst : MSD #1

Misc : AN30_1UG

Multiplr: 1.00

MS Integration Params: RTEINT.P

Quant Time: Oct 31 11:13:22 2017

Quant Results File: AN24_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\AN24_1UG.M (RTE Integrator)

Title : TO-15 VOA Standards for 5 point calibration

Last Update : Wed Oct 25 08:32:47 2017

Response via : Initial Calibration

DataAcq Meth : 1UG_RUN

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------|-------|------|----------|------|-------|----------|
| 1) Bromochloromethane | 10.63 | 128 | 26624 | 1.00 | ppb | 0.00 |
| 35) 1,4-difluorobenzene | 12.84 | 114 | 113590 | 1.00 | ppb | -0.02 |
| 50) Chlorobenzene-d5 | 17.57 | 117 | 88937 | 1.00 | ppb | -0.01 |

System Monitoring Compounds

| | | | | | | |
|------------------------|-------|-------|----------|----------|-----|--------|
| 65) Bromofluorobenzene | 19.31 | 95 | 57548 | 0.96 | ppb | 0.00 |
| Spiked Amount | 1.000 | Range | 70 - 130 | Recovery | = | 96.00% |

Target Compounds

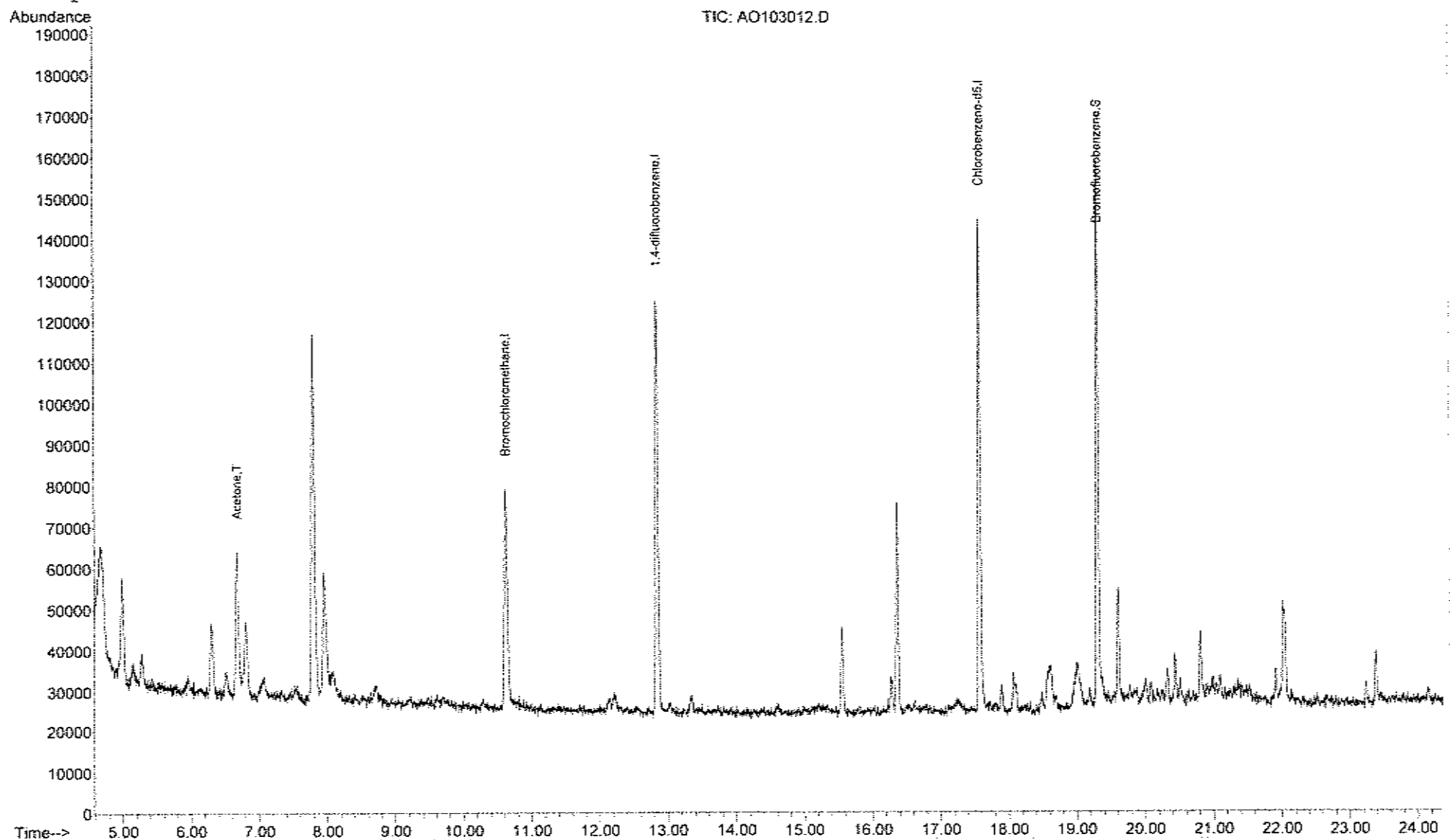
| | | | | | | |
|-------------|------|----|---------------------|------|-----|--------|
| 15) Acetone | 6.67 | 58 | 18619m ^A | 1.60 | ppb | Qvalue |
|-------------|------|----|---------------------|------|-----|--------|

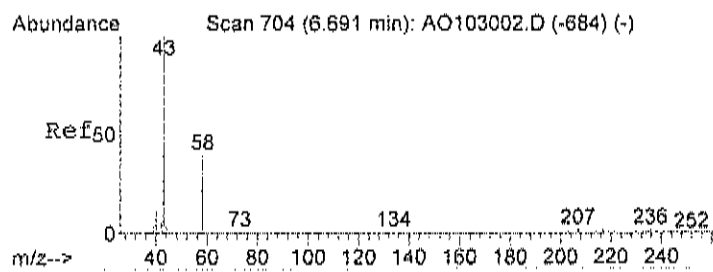
Data File : C:\HPCHEM\1\DATA2\AO103012.D
Acq On : 30 Oct 2017 11:25 pm
Sample : C1710061-003A 2x
Misc : AN30_1UG
MS Integration Params: RTEINT.P
Quant Time: Nov 2 12:49 2017

Vial: 28
Operator: RJP
Inst : MSD #1
Multiplr: 1.00

Quant Results File: AN24_1UG.RES

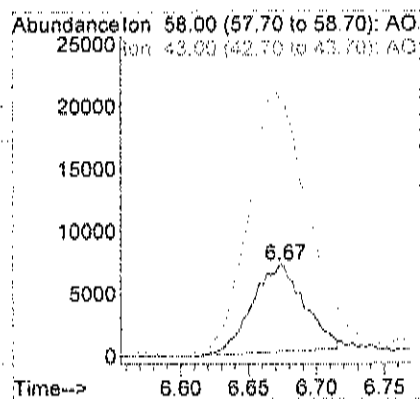
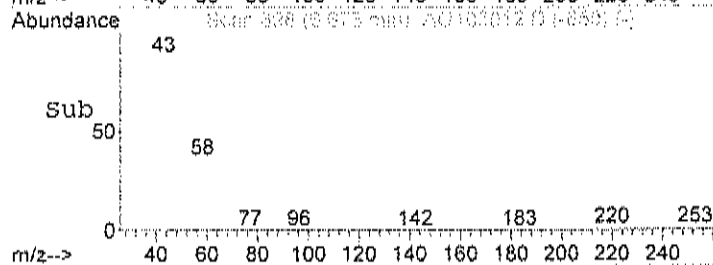
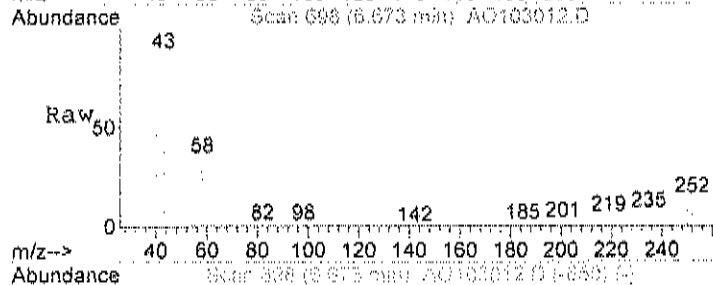
Method : C:\HPCHEM\1\METHODS\AN24_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Mon Nov 20 08:43:22 2017
Response via : Initial Calibration





#15
Acetone
Concen: 1.60 ppb m
RT: 6.67 min Scan# 698
Delta R.T. -0.01 min
Lab File: AO103012.D
Acq: 30 Oct 2017 11:25 pm

Tgt Ion: 58 Resp: 18619
Ion Ratio Lower Upper
58 100
43 356.6 308.4 368.4



Centek Laboratories, LLC

Date: 20-Nov-17

CLIENT: LaBella Associates, P.C.
 Lab Order: C1710061
 Project: 300 Commerce Dr
 Lab ID: C1710061-004A

Client Sample ID: 2017_10_24_EX1
 Tag Number: 362.281
 Collection Date: 10/24/2017
 Matrix: AIR

| Analyses | Result | **Limit | Qual | Units | DF | Date Analyzed |
|--------------------------------------|--------|---------|-------|-------|----|-----------------------|
| FIELD PARAMETERS | | | | | | |
| | | | FLD | | | Analyst: |
| Lab Vacuum In | -2 | | | "Hg | | 10/27/2017 |
| Lab Vacuum Out | -30 | | | "Hg | | 10/27/2017 |
| 1UG/M3 W/ 0.25UG/M3 CT-TCE-VC | | | | | | |
| | | | TO-15 | | | Analyst: RJP |
| 1,1,1-Trichloroethane | 0.14 | 0.15 | J | ppbV | 1 | 10/30/2017 6:19:00 PM |
| 1,1,2,2-Tetrachloroethane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:19:00 PM |
| 1,1,2-Trichloroethane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:19:00 PM |
| 1,1-Dichloroethane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:19:00 PM |
| 1,1-Dichloroethene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:19:00 PM |
| 1,2,4-Trichlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:19:00 PM |
| 1,2,4-Trimethylbenzene | 5.7 | 1.5 | | ppbV | 10 | 10/31/2017 1:16:00 AM |
| 1,2-Dibromoethane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:19:00 PM |
| 1,2-Dichlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:19:00 PM |
| 1,2-Dichloroethane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:19:00 PM |
| 1,2-Dichloropropane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:19:00 PM |
| 1,3,5-Trimethylbenzene | 1.6 | 1.5 | | ppbV | 10 | 10/31/2017 1:16:00 AM |
| 1,3,5-Trimethylbenzene | 2.0 | 0.15 | | ppbV | 1 | 10/30/2017 6:19:00 PM |
| 1,3-butadiene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:19:00 PM |
| 1,3-Dichlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:19:00 PM |
| 1,4-Dichlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:19:00 PM |
| 1,4-Dioxane | < 0.30 | 0.30 | | ppbV | 1 | 10/30/2017 6:19:00 PM |
| 2,2,4-trimethylpentane | 6.0 | 1.5 | | ppbV | 10 | 10/31/2017 1:16:00 AM |
| 4-ethyltoluene | 1.9 | 1.5 | | ppbV | 10 | 10/31/2017 1:16:00 AM |
| Acetone | 110 | 27 | | ppbV | 90 | 10/31/2017 8:24:00 AM |
| Allyl chloride | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:19:00 PM |
| Benzene | 9.4 | 1.5 | | ppbV | 10 | 10/31/2017 1:16:00 AM |
| Benzyl chloride | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:19:00 PM |
| Bromodichloromethane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:19:00 PM |
| Bromoform | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:19:00 PM |
| Bromomethane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:19:00 PM |
| Carbon disulfide | 1.6 | 0.15 | | ppbV | 1 | 10/30/2017 6:19:00 PM |
| Carbon tetrachloride | 0.080 | 0.040 | | ppbV | 1 | 10/30/2017 6:19:00 PM |
| Chlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:19:00 PM |
| Chloroethane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:19:00 PM |
| Chloroform | 0.13 | 0.15 | J | ppbV | 1 | 10/30/2017 6:19:00 PM |
| Chloromethane | 0.43 | 0.15 | | ppbV | 1 | 10/30/2017 6:19:00 PM |
| cis-1,2-Dichloroethene | 4.3 | 1.5 | | ppbV | 10 | 10/31/2017 1:16:00 AM |
| cis-1,3-Dichloropropene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:19:00 PM |
| Cyclohexane | 2.1 | 0.15 | | ppbV | 1 | 10/30/2017 6:19:00 PM |
| Dibromochloromethane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:19:00 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: 20-Nov-17

CLIENT: LaBella Associates, P.C.
 Lab Order: C1710061
 Project: 300 Commerce Dr
 Lab ID: C1710061-004A

Client Sample ID: 2017_10_24_EX1
 Tag Number: 362.281
 Collection Date: 10/24/2017
 Matrix: AIR

| Analyses | Result | **Limit | Qual | Units | DF | Date Analyzed |
|-------------------------------|---------|---------|-------|-------|----|-----------------------|
| 1UG/M3 W/ 0.25UG/M3 CT-TCE-VC | | | TO-15 | | | Analyst: RJP |
| Ethyl acetate | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:19:00 PM |
| Ethylbenzene | 10 | 1.5 | | ppbV | 10 | 10/31/2017 1:16:00 AM |
| Freon 11 | 0.29 | 0.15 | | ppbV | 1 | 10/30/2017 6:19:00 PM |
| Freon 113 | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:19:00 PM |
| Freon 114 | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:19:00 PM |
| Freon 12 | 0.61 | 0.15 | | ppbV | 1 | 10/30/2017 6:19:00 PM |
| Heptane | 6.1 | 1.5 | | ppbV | 10 | 10/31/2017 1:16:00 AM |
| Hexachloro-1,3-butadiene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:19:00 PM |
| Hexane | 3.4 | 1.5 | | ppbV | 10 | 10/31/2017 1:16:00 AM |
| Isopropyl alcohol | 180 | 14 | | ppbV | 90 | 10/31/2017 8:24:00 AM |
| m&p-Xylene | 38 | 3.0 | | ppbV | 10 | 10/31/2017 1:16:00 AM |
| Methyl Butyl Ketone | < 0.30 | 0.30 | | ppbV | 1 | 10/30/2017 6:19:00 PM |
| Methyl Ethyl Ketone | 13 | 3.0 | | ppbV | 10 | 10/31/2017 1:16:00 AM |
| Methyl Isobutyl Ketone | 1.4 | 0.30 | | ppbV | 1 | 10/30/2017 6:19:00 PM |
| Methyl tert-butyl ether | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:19:00 PM |
| Methylene chloride | 0.48 | 0.15 | | ppbV | 1 | 10/30/2017 6:19:00 PM |
| o-Xylene | 12 | 1.5 | | ppbV | 10 | 10/31/2017 1:16:00 AM |
| Propylene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:19:00 PM |
| Styrene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:19:00 PM |
| Tetrachloroethylene | 0.54 | 0.15 | | ppbV | 1 | 10/30/2017 6:19:00 PM |
| Tetrahydrofuran | 7.3 | 1.5 | | ppbV | 10 | 10/31/2017 1:16:00 AM |
| Toluene | 71 | 14 | | ppbV | 90 | 10/31/2017 8:24:00 AM |
| trans-1,2-Dichloroethene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:19:00 PM |
| trans-1,3-Dichloropropene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:19:00 PM |
| Trichloroethene | 2.4 | 0.40 | | ppbV | 10 | 10/31/2017 1:16:00 AM |
| Vinyl acetate | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:19:00 PM |
| Vinyl Bromide | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:19:00 PM |
| Vinyl chloride | < 0.040 | 0.040 | | ppbV | 1 | 10/30/2017 6:19:00 PM |
| Surr: Bromofluorobenzene | 111 | 70-130 | | %REC | 1 | 10/30/2017 6:19:00 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: 20-Nov-17

CLIENT: LaBella Associates, P.C.
 Lab Order: C1710061
 Project: 300 Commerce Dr
 Lab ID: C1710061-004A

Client Sample ID: 2017_10_24_EX1
 Tag Number: 362.281
 Collection Date: 10/24/2017
 Matrix: AIR

| Analyses | Result | **Limit | Qual | Units | DF | Date Analyzed |
|-------------------------------|--------|---------|-------|-------|----|-----------------------|
| 1UG/M3 W/ 0.25UG/M3 CT-TCE-VC | | | TO-15 | | | Analyst: RJP |
| 1,1,1-Trichloroethane | 0.76 | 0.82 | J | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| 1,1,2,2-Tetrachloroethane | < 1.0 | 1.0 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| 1,1,2-Trichloroethane | < 0.82 | 0.82 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| 1,1-Dichloroethane | < 0.61 | 0.61 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| 1,1-Dichloroethene | < 0.59 | 0.59 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| 1,2,4-Trichlorobenzene | < 1.1 | 1.1 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| 1,2,4-Trimethylbenzene | 28 | 7.4 | | ug/m3 | 10 | 10/31/2017 1:16:00 AM |
| 1,2-Dibromoethane | < 1.2 | 1.2 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| 1,2-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| 1,2-Dichloroethane | < 0.61 | 0.61 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| 1,2-Dichloropropane | < 0.69 | 0.69 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| 1,3,5-Trimethylbenzene | 10 | 0.74 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| 1,3,5-Trimethylbenzene | 7.9 | 7.4 | | ug/m3 | 10 | 10/31/2017 1:16:00 AM |
| 1,3-butadiene | < 0.33 | 0.33 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| 1,3-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| 1,4-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| 1,4-Dioxane | < 1.1 | 1.1 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| 2,2,4-trimethylpentane | 28 | 7.0 | | ug/m3 | 10 | 10/31/2017 1:16:00 AM |
| 4-ethyltoluene | 9.3 | 7.4 | | ug/m3 | 10 | 10/31/2017 1:16:00 AM |
| Acetone | 260 | 64 | | ug/m3 | 90 | 10/31/2017 8:24:00 AM |
| Allyl chloride | < 0.47 | 0.47 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| Benzene | 30 | 4.8 | | ug/m3 | 10 | 10/31/2017 1:16:00 AM |
| Benzyl chloride | < 0.86 | 0.86 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| Bromodichloromethane | < 1.0 | 1.0 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| Bromoform | < 1.6 | 1.6 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| Bromomethane | < 0.58 | 0.58 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| Carbon disulfide | 5.1 | 0.47 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| Carbon tetrachloride | 0.50 | 0.25 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| Chlorobenzene | < 0.69 | 0.69 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| Chloroethane | < 0.40 | 0.40 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| Chloroform | 0.63 | 0.73 | J | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| Chloromethane | 0.89 | 0.31 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| cis-1,2-Dichloroethene | 17 | 5.9 | | ug/m3 | 10 | 10/31/2017 1:16:00 AM |
| cis-1,3-Dichloropropene | < 0.68 | 0.68 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| Cyclohexane | 7.2 | 0.52 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| Dibromochloromethane | < 1.3 | 1.3 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| Ethyl acetate | < 0.54 | 0.54 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| Ethylbenzene | 43 | 6.5 | | ug/m3 | 10 | 10/31/2017 1:16:00 AM |
| Freon 11 | 1.6 | 0.84 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| Freon 113 | < 1.1 | 1.1 | | ug/m3 | 1 | 10/30/2017 6:19:00 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: 20-Nov-17

CLIENT: LaBella Associates, P.C.

Client Sample ID: 2017_10_24_EX1

Lab Order: C1710061

Tag Number: 362.281

Project: 300 Commerce Dr

Collection Date: 10/24/2017

Lab ID: C1710061-004A

Matrix: AIR

| Analyses | Result | **Limit | Qual | Units | DF | Date Analyzed |
|-------------------------------|--------|---------|------|--------------|----|-----------------------|
| 1UG/M3 W/ 0.25UG/M3 CT-TCE-VC | | TO-15 | | Analyst: RJP | | |
| Freon 114 | < 1.0 | 1.0 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| Freon 12 | 3.0 | 0.74 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| Heptane | 25 | 6.1 | | ug/m3 | 10 | 10/31/2017 1:16:00 AM |
| Hexachloro-1,3-butadiene | < 1.6 | 1.6 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| Hexane | 12 | 5.3 | | ug/m3 | 10 | 10/31/2017 1:16:00 AM |
| Isopropyl alcohol | 450 | 34 | | ug/m3 | 90 | 10/31/2017 8:24:00 AM |
| m&p-Xylene | 170 | 13 | | ug/m3 | 10 | 10/31/2017 1:16:00 AM |
| Methyl Butyl Ketone | < 1.2 | 1.2 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| Methyl Ethyl Ketone | 37 | 8.8 | | ug/m3 | 10 | 10/31/2017 1:16:00 AM |
| Methyl isobutyl Ketone | 5.8 | 1.2 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| Methyl tert-butyl ether | < 0.54 | 0.54 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| Methylene chloride | 1.7 | 0.52 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| o-Xylene | 50 | 6.5 | | ug/m3 | 10 | 10/31/2017 1:16:00 AM |
| Propylene | < 0.26 | 0.26 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| Styrene | < 0.64 | 0.64 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| Tetrachloroethylene | 3.7 | 1.0 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| Tetrahydrofuran | 22 | 4.4 | | ug/m3 | 10 | 10/31/2017 1:16:00 AM |
| Toluene | 270 | 53 | | ug/m3 | 90 | 10/31/2017 8:24:00 AM |
| trans-1,2-Dichloroethene | < 0.59 | 0.59 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| trans-1,3-Dichloropropene | < 0.68 | 0.68 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| Trichloroethene | 13 | 2.1 | | ug/m3 | 10 | 10/31/2017 1:16:00 AM |
| Vinyl acetate | < 0.53 | 0.53 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| Vinyl Bromide | < 0.66 | 0.66 | | ug/m3 | 1 | 10/30/2017 6:19:00 PM |
| Vinyl chloride | < 0.10 | 0.10 | | ug/m3 | 1 | 10/30/2017 6:19:00 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

Page 8 of 10

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AO103010.D
 Acq On : 30 Oct 2017 6:19 pm
 Sample : C1710061-004A
 Misc : AN30_1UG
 MS Integration Params: RTEINT.P
 Quant Time: Oct 30 23:06:33 2017

Vial: 26
 Operator: RJP
 Inst : MSD #1
 Multiplr: 1.00

Quant Results File: AN24_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\AN24_1UG.M (RTE Integrator)
 Title : TO-15 VOA Standards for 5 point calibration
 Last Update : Wed Oct 25 08:32:47 2017
 Response via : Initial Calibration
 DataAcq Meth : 1UG_RUN

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------|-------|------|----------|------|-------|----------|
| 1) Bromochloromethane | 10.63 | 128 | 21824 | 1.00 | ppb | 0.00 |
| 35) 1,4-difluorobenzene | 12.85 | 114 | 101063 | 1.00 | ppb | 0.00 |
| 50) Chlorobenzene-d5 | 17.58 | 117 | 95601 | 1.00 | ppb | 0.00 |

System Monitoring Compounds

| | | | | | | |
|------------------------|-------|-------|----------|----------|-----|---------|
| 65) Bromofluorobenzene | 19.31 | 95 | 71573 | 1.11 | ppb | 0.00 |
| Spiked Amount | 1.000 | Range | 70 - 130 | Recovery | = | 111.00% |

Target Compounds

| | R.T. | QIon | Response | Conc | Units | Qvalue |
|----------------------------|-------|------|----------|--------|-------|--------|
| 3) Freon 12 | 4.71 | 85 | 60914 | 0.61 | ppb | 98 |
| 4) Chloromethane | 4.94 | 50 | 9787 | 0.43 | ppb | 97 |
| 14) Freon 11 | 6.52 | 101 | 28958 | 0.29 | ppb | 100 |
| 15) Acetone | 6.66 | 58 | 664011m | 69.79 | ppb | |
| 17) Isopropyl alcohol | 6.78 | 45 | 4087296 | 138.26 | ppb | # 1 |
| 21) Methylene chloride | 7.81 | 84 | 12967 | 0.48 | ppb | 96 |
| 23) Carbon disulfide | 7.99 | 76 | 145116 | 1.65 | ppb | 86 |
| 28) Methyl Ethyl Ketone | 9.69 | 72 | 139667 | 11.56 | ppb | # 59 |
| 29) cis-1,2-dichloroethene | 10.17 | 61 | 138160 | 3.66 | ppb | 97 |
| 30) Hexane | 9.77 | 57 | 105533 | 2.67 | ppb | 84 |
| 32) Chloroform | 10.79 | 83 | 8956 | 0.13 | ppb | 99 |
| 33) Tetrahydrofuran | 10.94 | 42 | 158968 | 6.51 | ppb | 94 |
| 36) 1,1,1-trichloroethane | 11.61 | 97 | 9828 | 0.14 | ppb | 89 |
| 37) Cyclohexane | 12.30 | 56 | 83735 | 2.09 | ppb | # 80 |
| 38) Carbon tetrachloride | 12.25 | 117 | 6004 | 0.08 | ppb | 92 |
| 39) Benzene | 12.21 | 78 | 721483 | 7.76 | ppb | 98 |
| 42) 2,2,4-trimethylpentane | 13.03 | 57 | 642148 | 5.00 | ppb | 95 |
| 43) Heptane | 13.35 | 43 | 244897 | 5.46 | ppb | # 61 |
| 44) Trichloroethene | 13.49 | 130 | 92850 | 2.14 | ppb | 95 |
| 51) Toluene | 15.56 | 92 | 5458947 | 79.37 | ppb | 94 |
| 52) Methyl Isobutyl Ketone | 14.61 | 43 | 62495 | 1.41 | ppb | 95 |
| 56) Tetrachloroethylene | 16.62 | 164 | 24921 | 0.54 | ppb | 86 |
| 58) Ethylbenzene | 17.90 | 91 | 1310076 | 8.59 | ppb | 99 |
| 59) m&p-xylene | 18.08 | 91 | 3809822 | 34.91 | ppb | 95 |
| 63) o-xylene | 18.60 | 91 | 1252489 | 10.52 | ppb | 94 |
| 69) 4-ethyltoluene | 19.96 | 105 | 294437 | 2.51 | ppb | 95 |
| 70) 1,3,5-trimethylbenzene | 20.02 | 105 | 211291 | 2.03 | ppb | 89 |
| 71) 1,2,4-trimethylbenzene | 20.51 | 105 | 630748 | 8.15 | ppb | 97 |

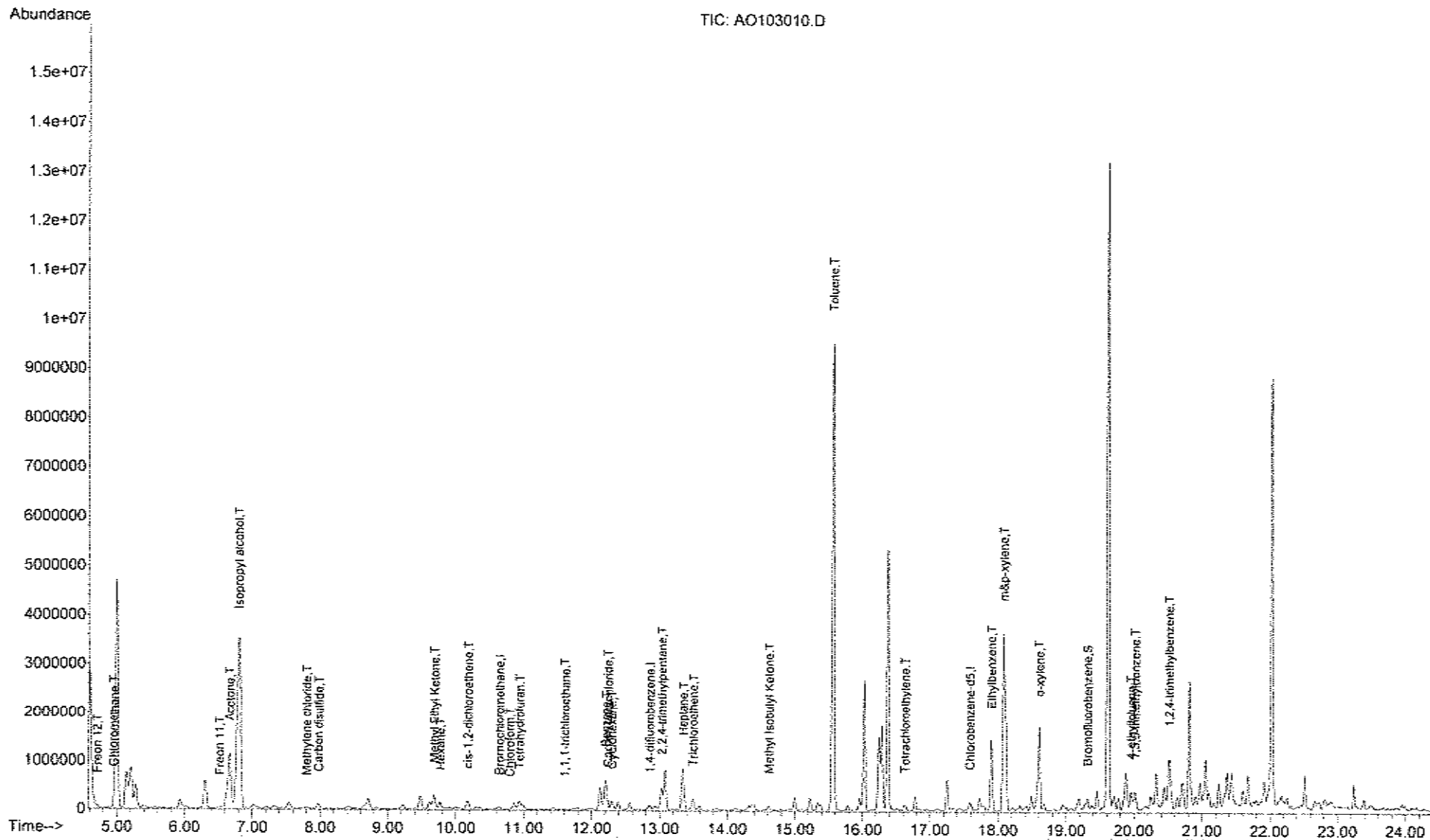
Quantitation Report (QT Reviewed)

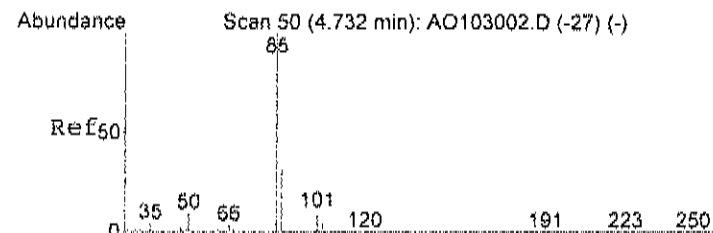
Data File : C:\HPCHEM\1\DATA2\AO103010.D
 Acq On : 30 Oct 2017 6:19 pm
 Sample : C1710061-004A
 Misc : AN30_1UG
 MS Integration Params: RTEINT.P
 Quant Time: Nov 2 12:43 2017

Vial: 26
 Operator: RJP
 Inst : MSD #1
 Multiplr: 1.00

Quant Results File: AN24_1UG.RES

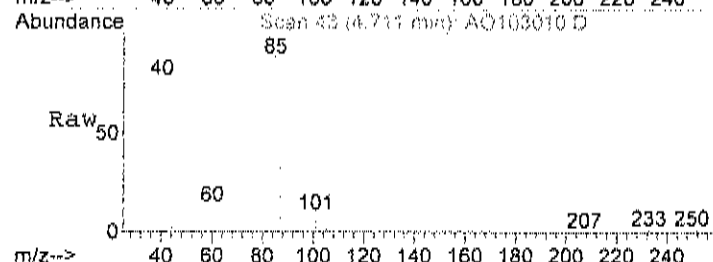
Method : C:\HPCHEM\1\METHODS\AN24_1UG.M (RTE Integrator)
 Title : TO-15 VOA Standards for 5 point calibration
 Last Update : Mon Nov 20 08:43:22 2017
 Response via : Initial Calibration



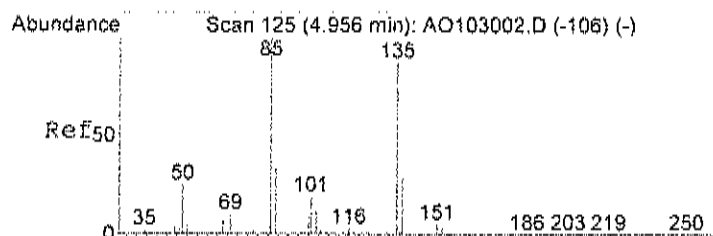
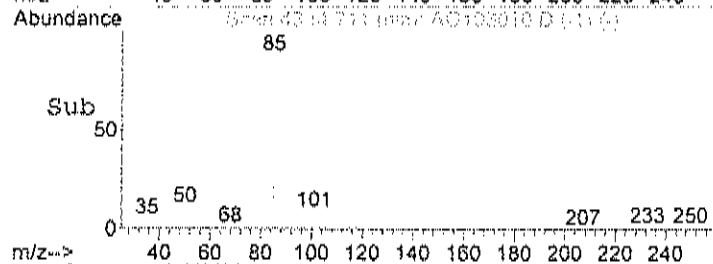
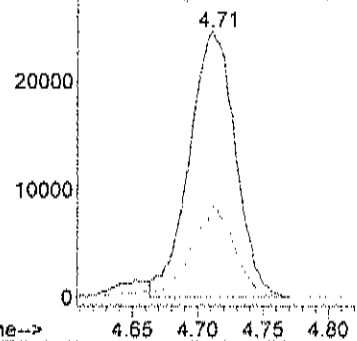


#3
Freon 12
Concen: 0.61 ppb
RT: 4.71 min Scan# 43
Delta R.T. 0.00 min
Lab File: AO103010.D
Acq: 30 Oct 2017 6:19 pm

Tgt Ion: 85 Resp: 60914
Ion Ratio Lower Upper
85 100
87 33.1 12.1 52.1

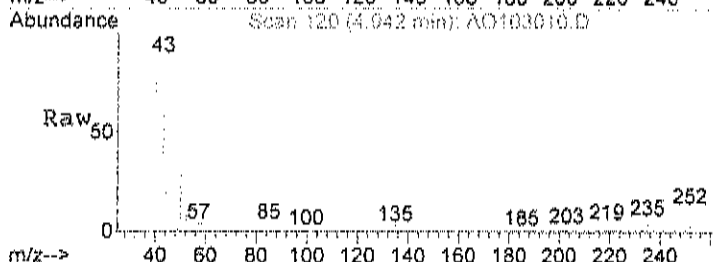


Abundance Ion 85.00 (84.70 to 85.70): AO
Ion 87.00 (86.70 to 87.70): AO

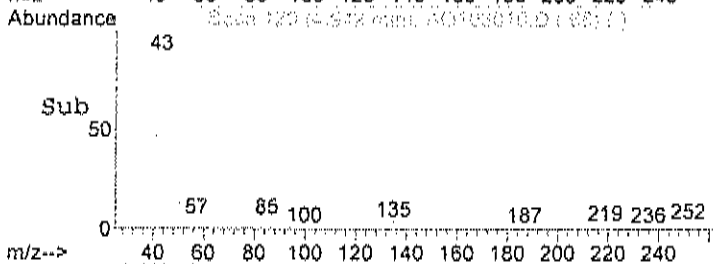
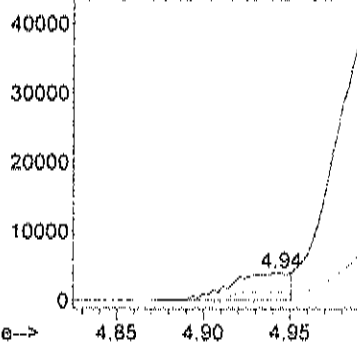


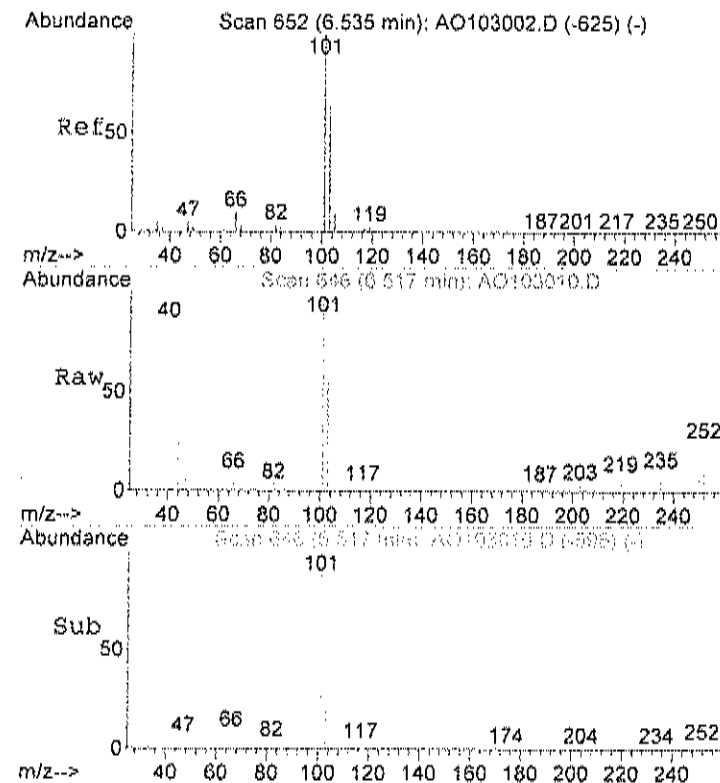
#4
Chloromethane
Concen: 0.43 ppb
RT: 4.94 min Scan# 120
Delta R.T. 0.01 min
Lab File: AO103010.D
Acq: 30 Oct 2017 6:19 pm

Tgt Ion: 50 Resp: 9787
Ion Ratio Lower Upper
50 100
52 37.5 15.9 55.9



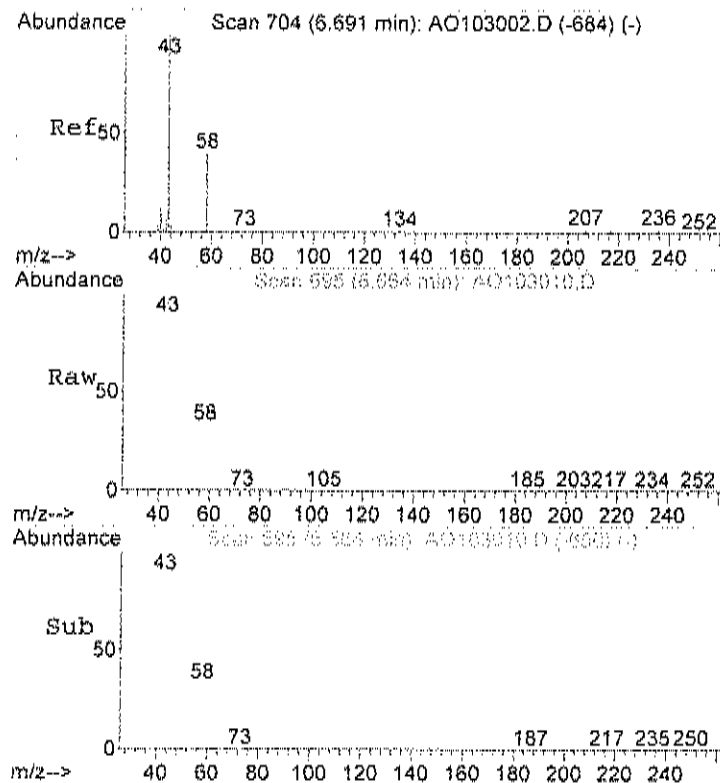
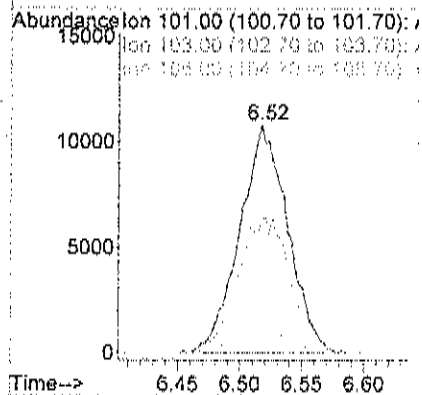
Abundance Ion 50.00 (49.70 to 50.70): AO
Ion 52.00 (51.70 to 52.70): AO





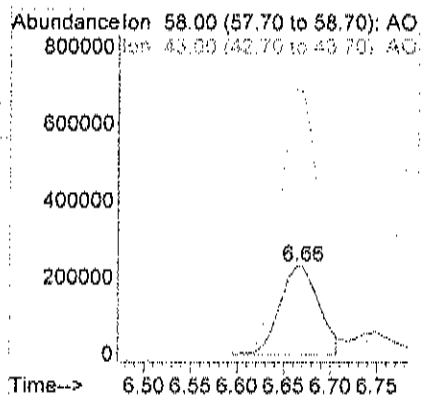
#14
Freon 11
Concen: 0.29 ppb
RT: 6.52 min Scan# 646
Delta R.T. -0.00 min
Lab File: AO103010.D
Acq: 30 Oct 2017 6:19 pm

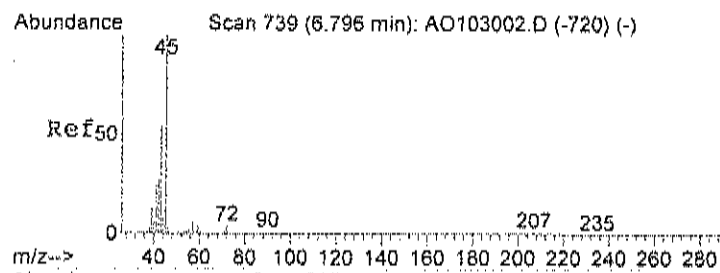
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101 | 100 | | |
| 103 | 64.5 | 44.4 | 84.4 |
| 105 | 11.0 | 0.0 | 30.5 |



#15
Acetone
Concen: 69.79 ppb m
RT: 6.66 min Scan# 695
Delta R.T. -0.02 min
Lab File: AO103010.D
Acq: 30 Oct 2017 6:19 pm

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 58 | 100 | | |
| 43 | 310.8 | 308.4 | 368.4 |





#17

Isopropyl alcohol

Concen: 138.26 ppb

RT: 6.78 min Scan# 735

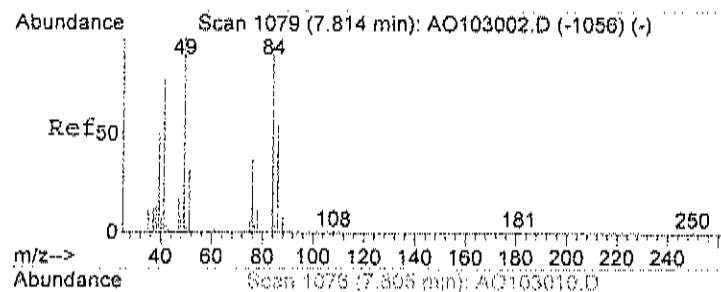
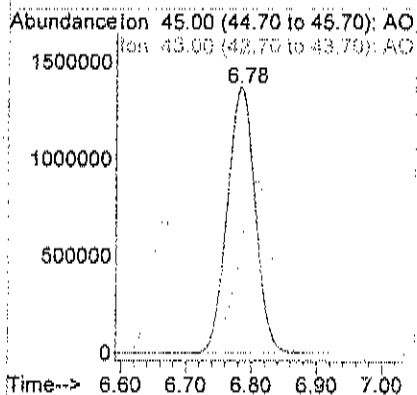
Delta R.T. -0.01 min

Lab File: AO103010.D

Acq: 30 Oct 2017 6:19 pm

Tgt Ion: 45 Resp: 4087296

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 45 | 100 | | |
| 43 | 75.5 | 4.3 | 44.3# |



#21

Methylene chloride

Concen: 0.48 ppb

RT: 7.81 min Scan# 1076

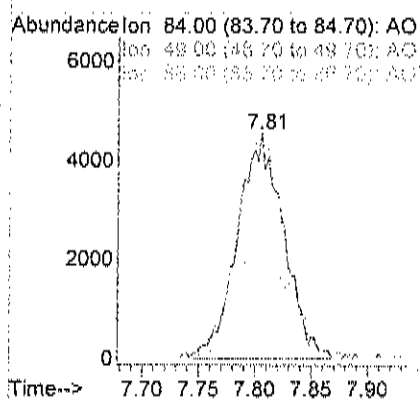
Delta R.T. -0.00 min

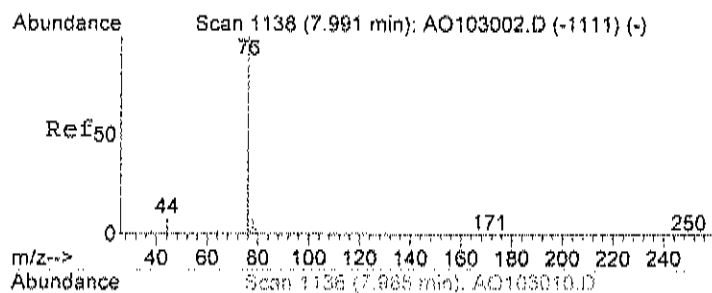
Lab File: AO103010.D

Acq: 30 Oct 2017 6:19 pm

Tgt Ion: 84 Resp: 12967

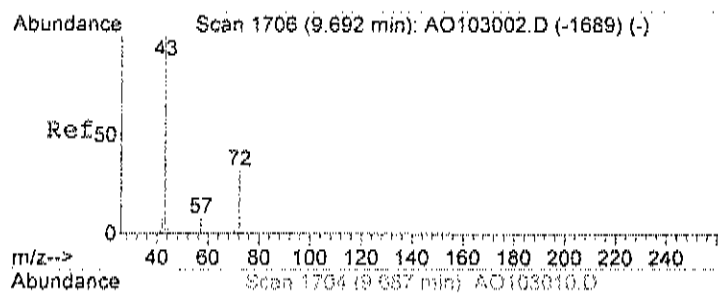
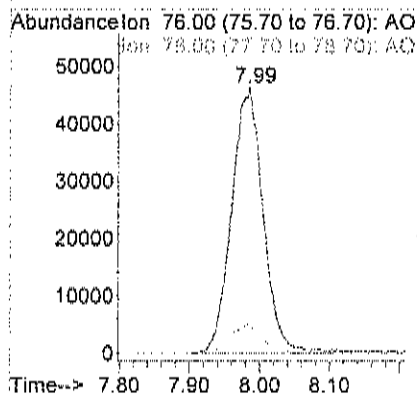
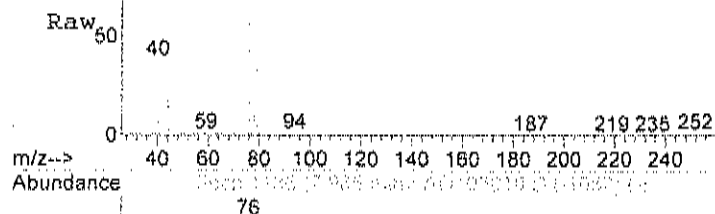
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84 | 100 | | |
| 49 | 101.3 | 85.0 | 125.0 |
| 86 | 62.7 | 38.9 | 78.9 |





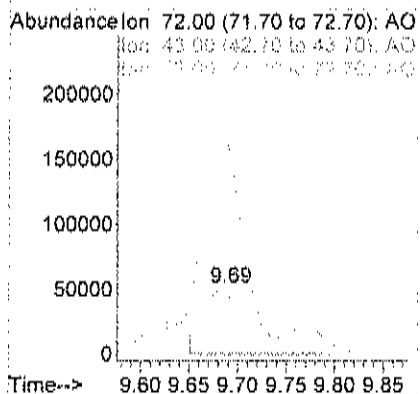
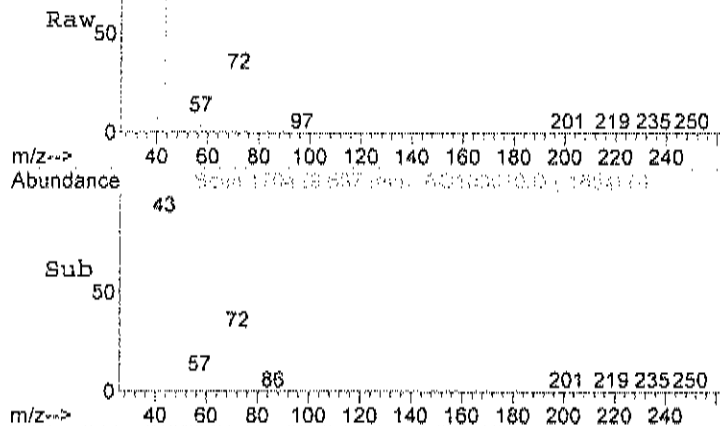
#23
Carbon disulfide
Concen: 1.65 ppb
RT: 7.99 min Scan# 1136
Delta R.T. 0.01 min
Lab File: AO103010.D
Acq: 30 Oct 2017 6:19 pm

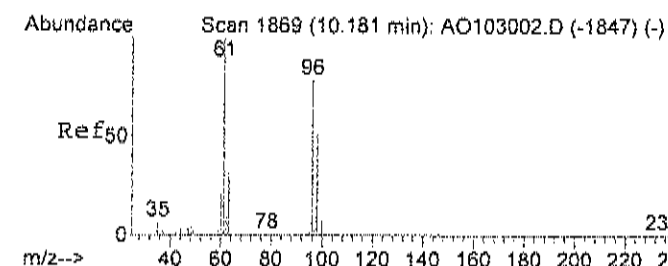
Tgt Ion: 76 Resp: 145116
Ion Ratio Lower Upper
76 100
78 10.9 0.0 26.0



#28
Methyl Ethyl Ketone
Concen: 11.56 ppb
RT: 9.69 min Scan# 1704
Delta R.T. -0.00 min
Lab File: AO103010.D
Acq: 30 Oct 2017 6:19 pm

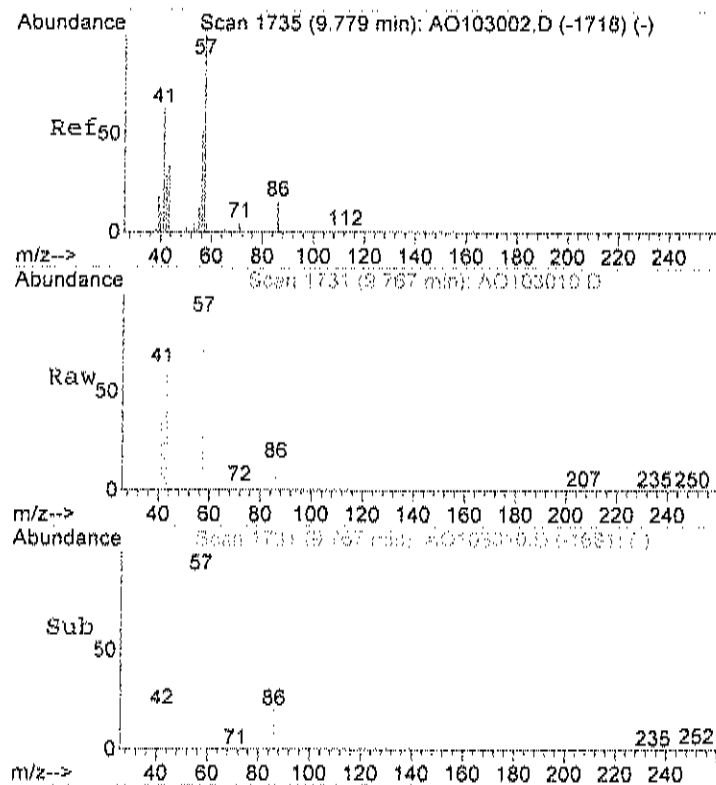
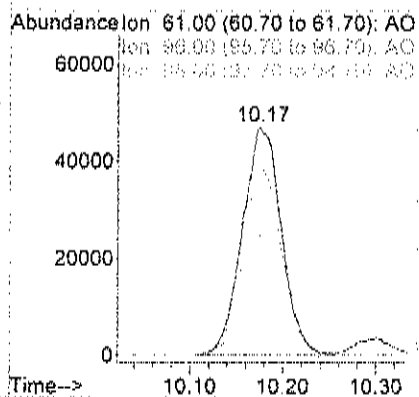
Tgt Ion: 72 Resp: 139667
Ion Ratio Lower Upper
72 100
43 394.2 267.6 307.6#
72 100.0 80.0 120.0





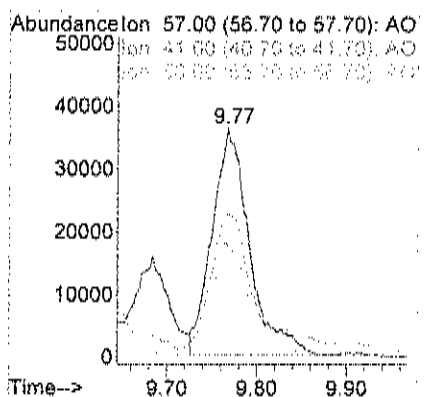
#29
cis-1,2-dichloroethene
Concen: 3.66 ppb
RT: 10.17 min Scan# 1867
Delta R.T. -0.00 min
Lab File: AO103010.D
Acq: 30 Oct 2017 6:19 pm

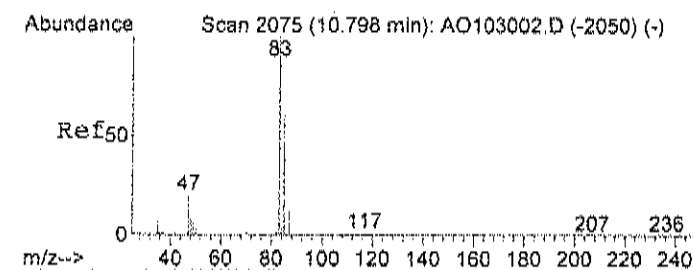
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 61 | 100 | | |
| 96 | 81.7 | 60.3 | 100.3 |
| 98 | 53.5 | 30.5 | 70.5 |



#30
Hexane
Concen: 2.67 ppb
RT: 9.77 min Scan# 1731
Delta R.T. -0.00 min
Lab File: AO103010.D
Acq: 30 Oct 2017 6:19 pm

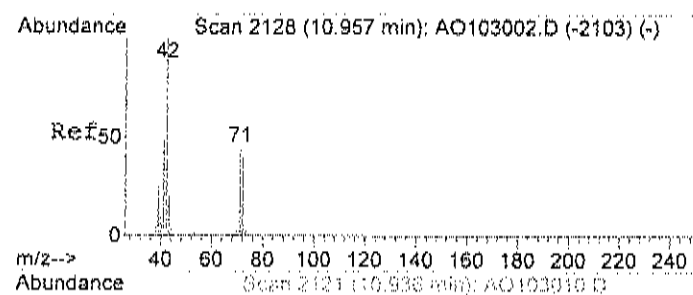
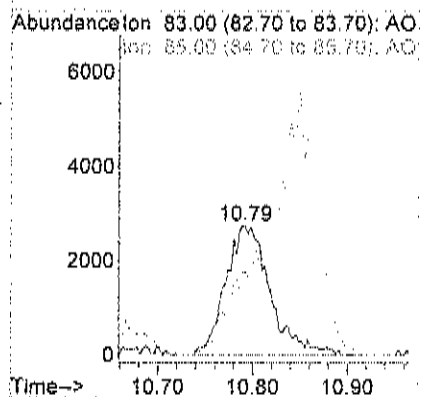
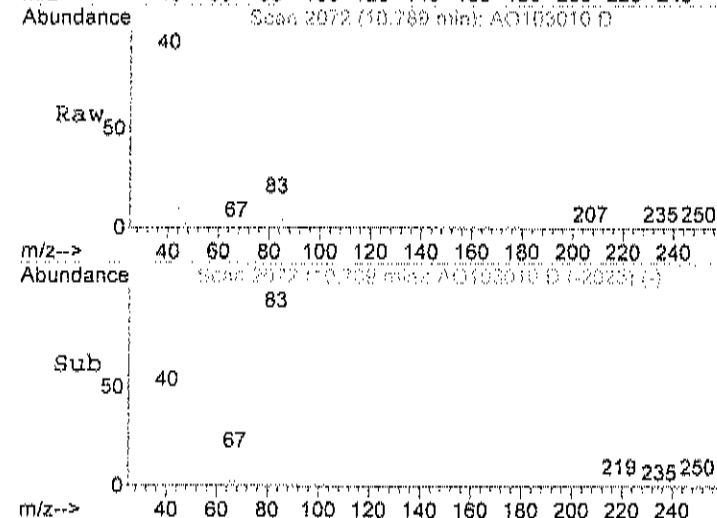
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 57 | 100 | | |
| 41 | 68.7 | 63.5 | 103.5 |
| 56 | 46.5 | 37.2 | 77.2 |





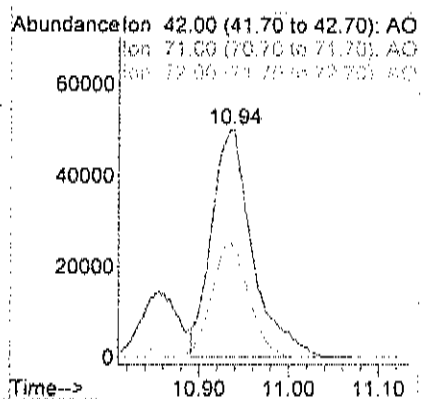
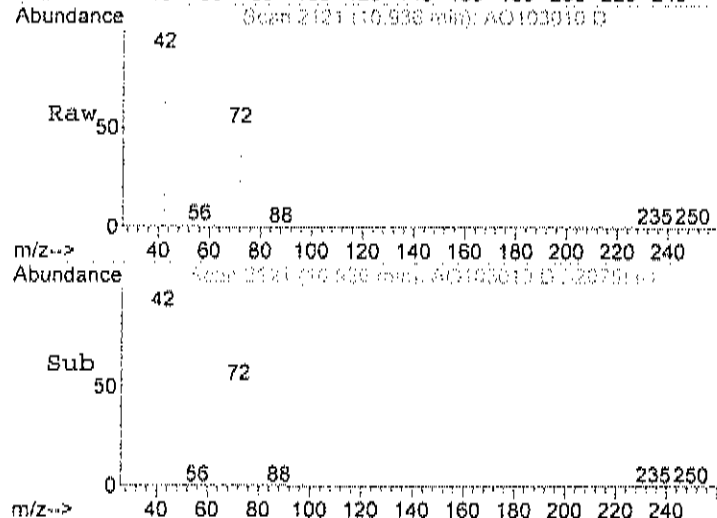
#32
Chloroform
Concen: 0.13 ppb
RT: 10.79 min Scan# 2072
Delta R.T. -0.00 min
Lab File: AO103010.D
Acq: 30 Oct 2017 6:19 pm

| Tgt Ion | 83 | Resp | 8956 |
|---------|-------|-------|-------|
| Ion | Ratio | Lower | Upper |
| 83 | 100 | | |
| 85 | 67.4 | 46.6 | 86.6 |

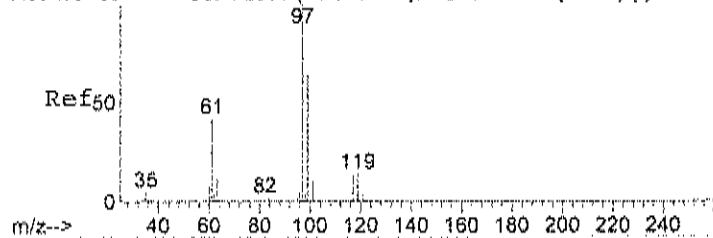


#33
Tetrahydrofuran
Concen: 6.51 ppb
RT: 10.94 min Scan# 2121
Delta R.T. -0.01 min
Lab File: AO103010.D
Acq: 30 Oct 2017 6:19 pm

| Tgt Ion | 42 | Resp | 158968 |
|---------|-------|-------|--------|
| Ion | Ratio | Lower | Upper |
| 42 | 100 | | |
| 71 | 46.2 | 27.8 | 67.8 |
| 72 | 47.8 | 22.0 | 62.0 |



Abundance Scan 2351 (11.625 min): AO103002.D (-2326) (-)



#36

1,1,1-trichloroethane

Concen: 0.14 ppb

RT: 11.61 min Scan# 2347

Delta R.T. -0.00 min

Lab File: AO103010.D

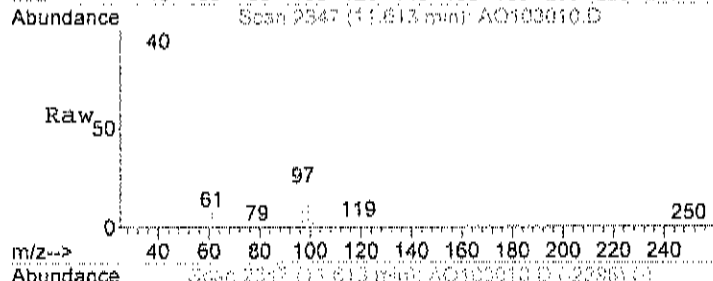
Acq: 30 Oct 2017 6:19 pm

Tgt Ion: 97 Resp: 9828

Ion Ratio Lower Upper

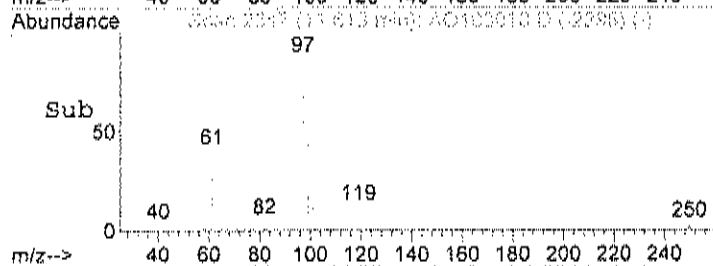
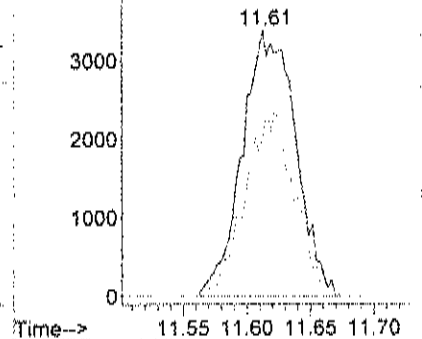
97 100

99 64.6 36.8 76.8

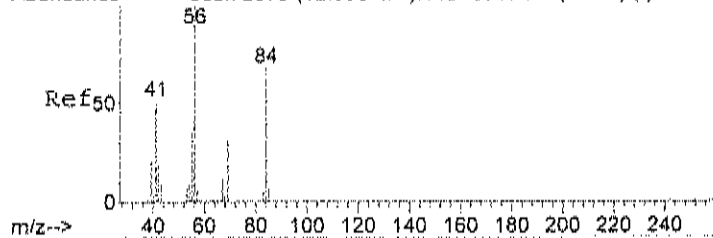


Abundance Ion 97.00 (96.70 to 97.70): AO

Ion 99.00 (98.70 to 99.70): AO



Abundance Scan 2579 (12.308 min): AO103002.D (-2557) (-)



#37

Cyclohexane

Concen: 2.09 ppb

RT: 12.30 min Scan# 2576

Delta R.T. -0.00 min

Lab File: AO103010.D

Acq: 30 Oct 2017 6:19 pm

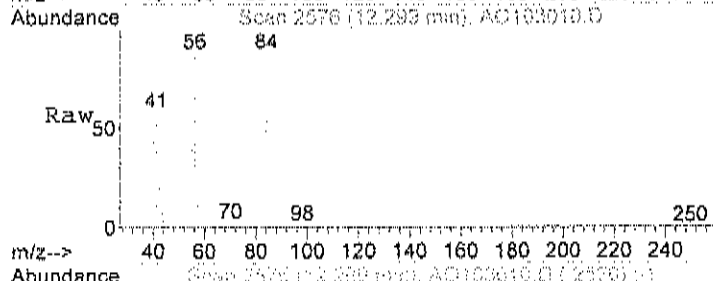
Tgt Ion: 56 Resp: 83735

Ion Ratio Lower Upper

56 100

41 57.2 31.5 71.5

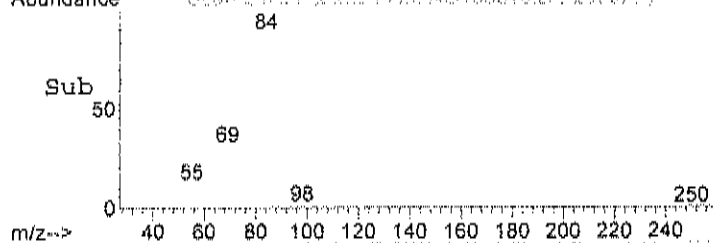
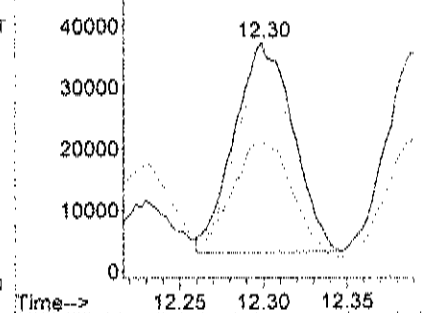
84 105.4 61.0 101.0#



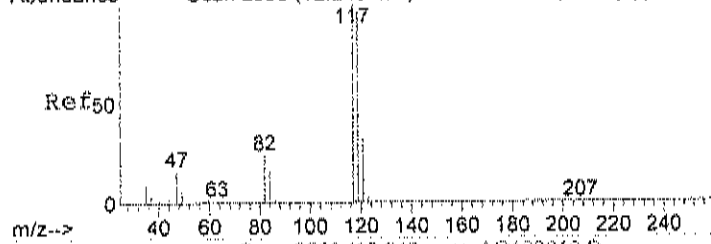
Abundance Ion 56.00 (55.70 to 56.70): AO

Ion 41.00 (40.70 to 41.70): AO

Ion 84.00 (83.70 to 84.70): AO



Abundance Scan 2558 (12.245 min): AO103002.D (-2535) (-)



#38

Carbon tetrachloride

Concen: 0.08 ppb

RT: 12.25 min Scan# 2559

Delta R.T. 0.01 min

Lab File: AO103010.D

Acq: 30 Oct 2017 6:19 pm

Tgt Ion: 117 Resp: 6004

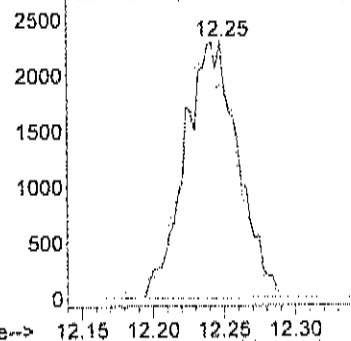
Ion Ratio Lower Upper

117 100

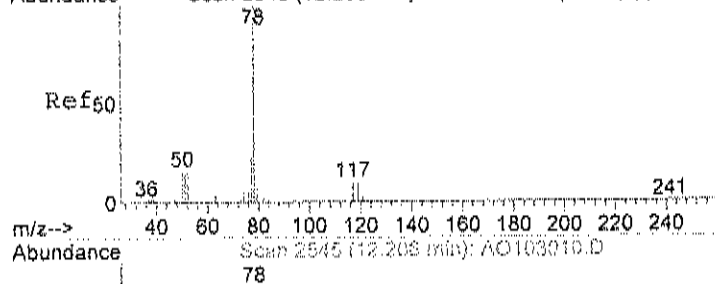
119 97.3 70.1 110.1

Abundance Ion 117.00 (116.70 to 117.70):

Ion 119.00 (118.70 to 119.70):



Abundance Scan 2546 (12.209 min): AO103002.D (-2524) (-)



#39

Benzene

Concen: 7.76 ppb

RT: 12.21 min Scan# 2545

Delta R.T. -0.00 min

Lab File: AO103010.D

Acq: 30 Oct 2017 6:19 pm

Tgt Ion: 78 Resp: 721483

Ion Ratio Lower Upper

78 100

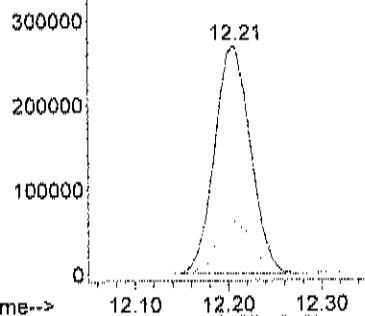
77 23.6 3.3 43.3

51 14.7 0.0 36.1

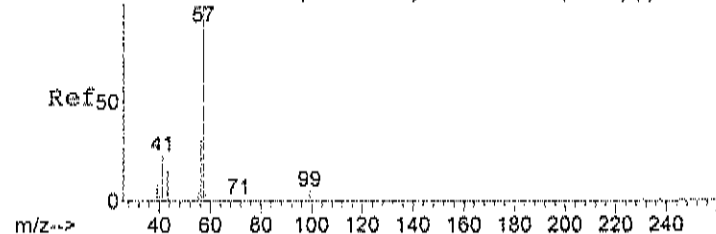
Abundance Ion 78.00 (77.70 to 78.70): AO

Ion 77.00 (76.70 to 77.70): AO

Ion 51.00 (50.70 to 51.70): AO



Abundance Scan 2820 (13.029 min): AO103002.D (-2800) (-)



#42

2,2,4-trimethylpentane

Concen: 5.00 ppb

RT: 13.03 min Scan# 2819

Delta R.T. -0.01 min

Lab File: AO103010.D

Acq: 30 Oct 2017 6:19 pm

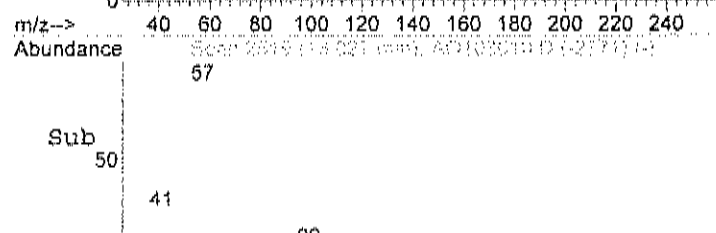
Tgt Ion: 57 Resp: 642148

Ion Ratio Lower Upper

57 100

41 22.2 7.2 47.2

56 31.2 11.0 51.0

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

13.03

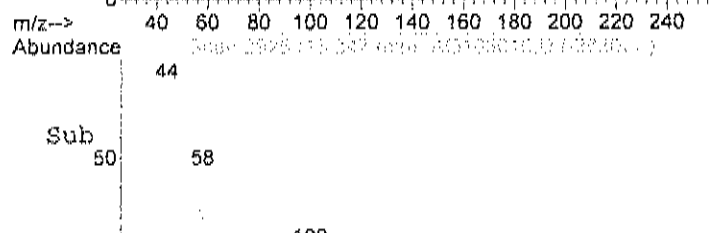
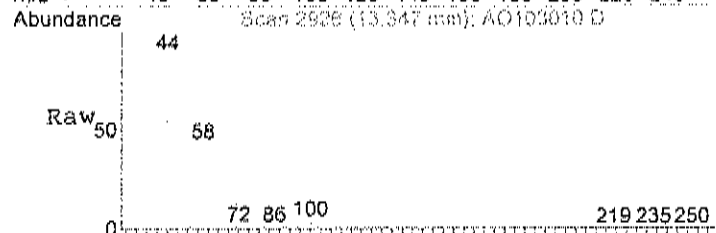
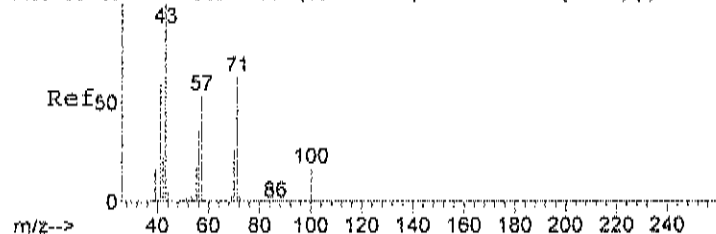
200000

100000

0

Time--> 12.90 13.00 13.10 13.20

Abundance Scan 2931 (13.362 min): AO103002.D (-2911) (-)



#43

Heptane

Concen: 5.46 ppb

RT: 13.35 min Scan# 2926

Delta R.T. -0.01 min

Lab File: AO103010.D

Acq: 30 Oct 2017 6:19 pm

Tgt Ion: 43 Resp: 244897

Ion Ratio Lower Upper

43 100

57 92.1 33.9 73.9#

71 39.3 38.3 78.3

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

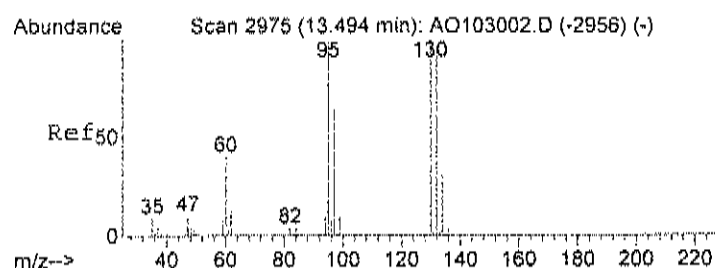
13.35

100000

50000

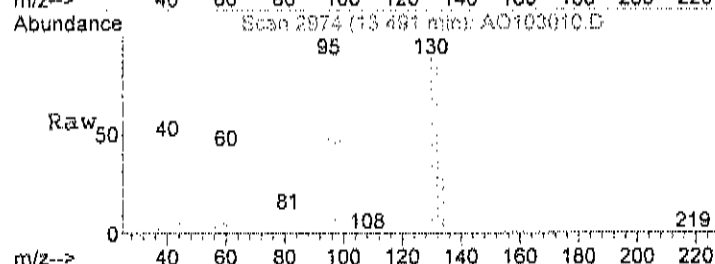
0

Time--> 13.30 13.40



#44
Trichloroethene
Concen: 2.14 ppb
RT: 13.49 min Scan# 2974
Delta R.T. -0.00 min
Lab File: AO103010.D
Acq: 30 Oct 2017 6:19 pm

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130 | 100 | | |
| 132 | 96.6 | 82.7 | 122.7 |
| 95 | 103.5 | 87.5 | 127.5 |

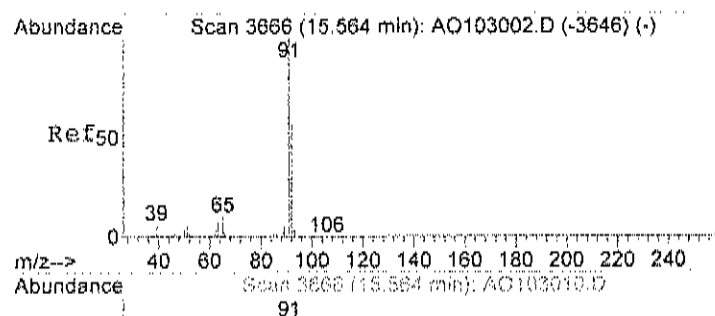
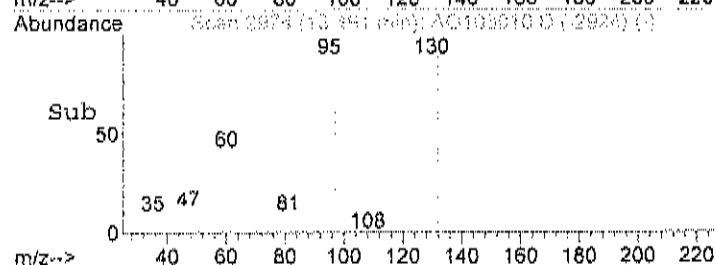
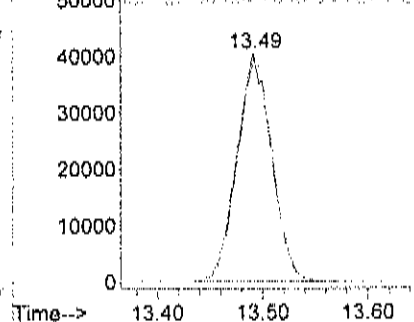


Abundance

Ion 130.00 (129.70 to 130.70):

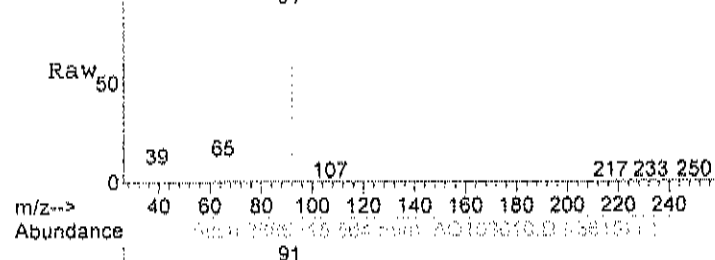
Ion 132.00 (131.70 to 132.70):

Ion 95.00 (94.70 to 95.70):



#51
Toluene
Concen: 79.37 ppb
RT: 15.56 min Scan# 3666
Delta R.T. 0.00 min
Lab File: AO103010.D
Acq: 30 Oct 2017 6:19 pm

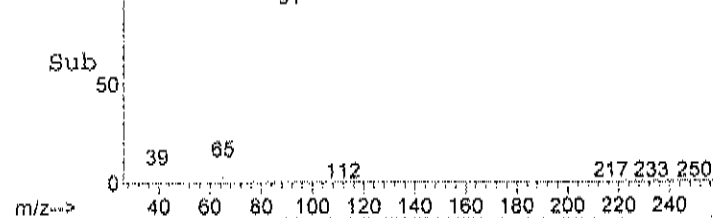
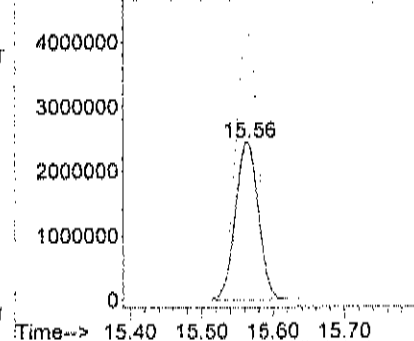
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 92 | 100 | | |
| 91 | 170.9 | 142.4 | 182.4 |



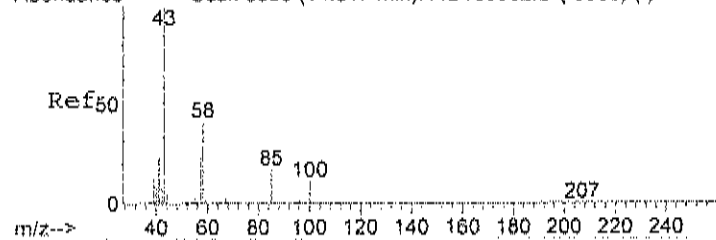
Abundance

Ion 92.00 (91.70 to 92.70): AO

Ion 91.00 (90.70 to 91.70): AO



Scan 3350 (14.617 min): AO103002.D (-3330) (-)



#52

Methyl Isobutyl Ketone

Concen: 1.41 ppb

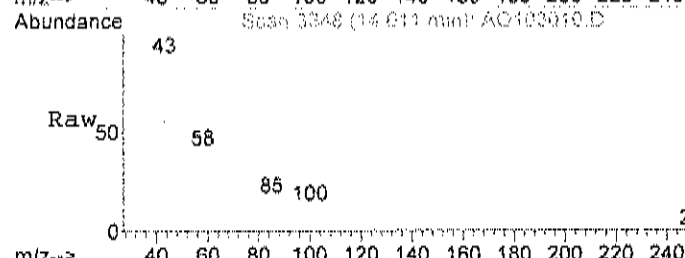
RT: 14.61 min Scan# 3348

Delta R.T. ~0.01 min

Lab File: AO103010.D

Acq: 30 Oct 2017 6:19 pm

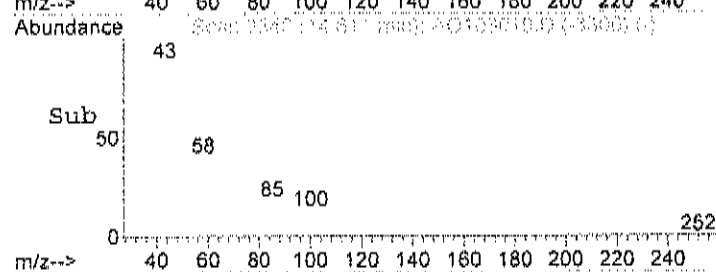
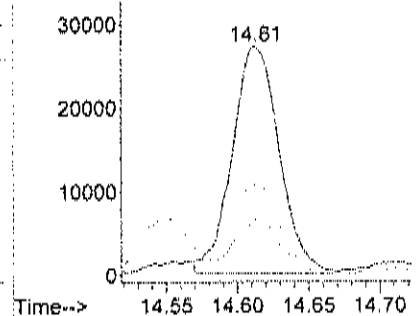
| | | | |
|----------|-------|-------|-------|
| Tgt Ion: | 43 | Resp: | 62495 |
| Ion | Ratio | Lower | Upper |
| 43 | 100 | | |
| 57 | 23.3 | 1.2 | 41.2 |
| 58 | 39.4 | 16.4 | 56.4 |



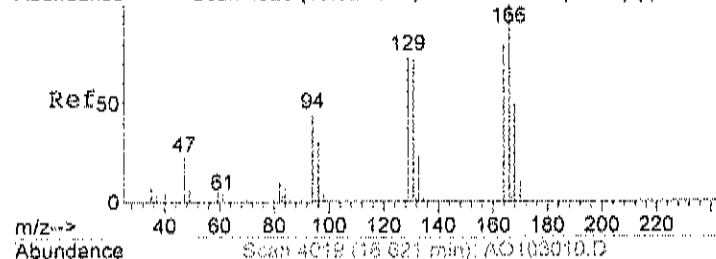
Abundance Ion 43.00 (42.70 to 43.70): AO

Ion 57.00 (56.70 to 57.70): AO

Ion 58.00 (57.70 to 58.70): AO



Scan 4020 (16.624 min): AO103002.D (-4002) (-)



#56

Tetrachloroethylene

Concen: 0.54 ppb

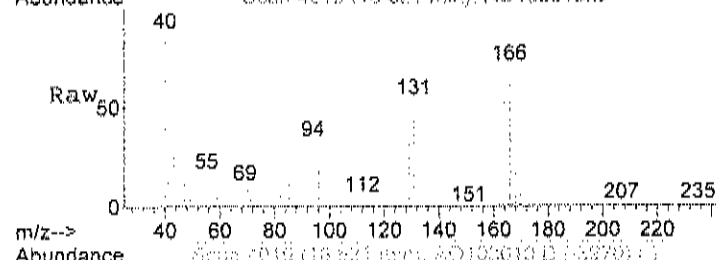
RT: 16.62 min Scan# 4019

Delta R.T. -0.00 min

Lab File: AO103010.D

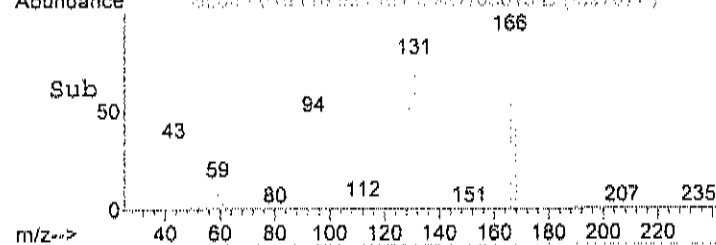
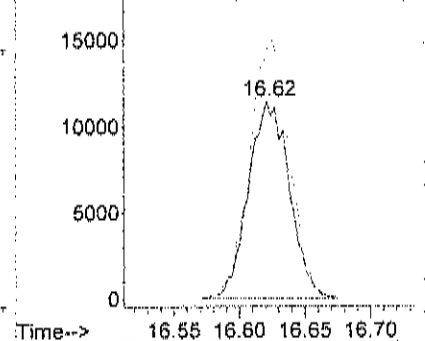
Acq: 30 Oct 2017 6:19 pm

| | | | |
|----------|-------|-------|-------|
| Tgt Ion: | 164 | Resp: | 24921 |
| Ion | Ratio | Lower | Upper |
| 164 | 100 | | |
| 166 | 128.3 | 93.4 | 133.4 |

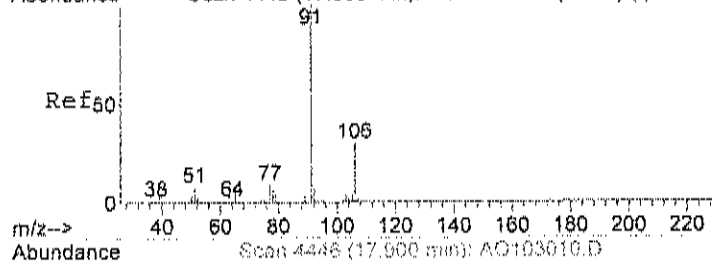


Abundance Ion 164.00 (163.70 to 164.70):

Ion 166.00 (165.70 to 166.70):



Abundance Scan 4446 (17.900 min): AO103002.D (-4426) (-)



#58

Ethylbenzene

Concen: 8.59 ppb

RT: 17.90 min Scan# 4446

Delta R.T. -0.00 min

Lab File: AO103010.D

Acq: 30 Oct 2017 6:19 pm

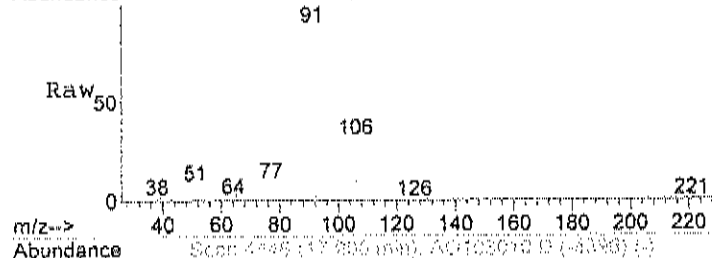
Tgt Ion: 91 Resp: 1310076

Ion Ratio Lower Upper

91 100

106 31.1 10.7 50.7

Scan 4446 (17.900 min): AO103010.D



Abundance Ion 91.00 (90.70 to 91.70): AO

Ion 106.00 (105.70 to 106.70):

17.90

600000

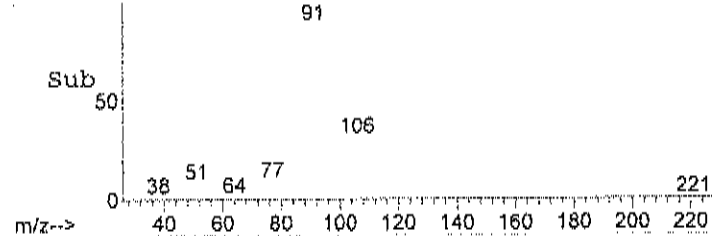
400000

200000

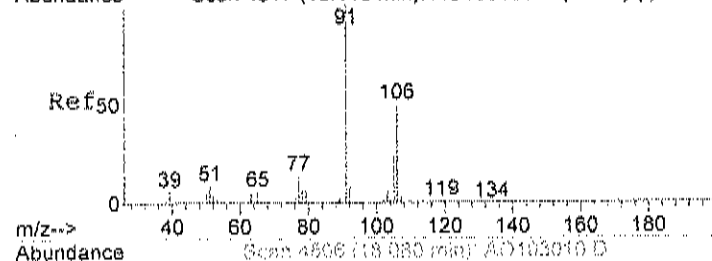
0

Time--> 17.80 17.85 17.90 17.95 18.00

Scan 4446 (17.900 min): AO103010.D (-4426) (-)



Abundance Scan 4517 (18.113 min): AO103002.D (-4488) (-)



#59

m&p-xylene

Concen: 34.91 ppb

RT: 18.08 min Scan# 4506

Delta R.T. -0.04 min

Lab File: AO103010.D

Acq: 30 Oct 2017 6:19 pm

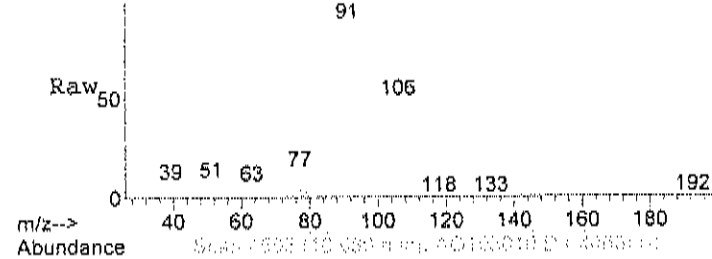
Tgt Ion: 91 Resp: 3809822

Ion Ratio Lower Upper

91 100

106 48.9 25.4 65.4

Scan 4506 (18.080 min): AO103010.D



Abundance Ion 91.00 (90.70 to 91.70): AO

Ion 106.00 (105.70 to 106.70):

18.08

1500000

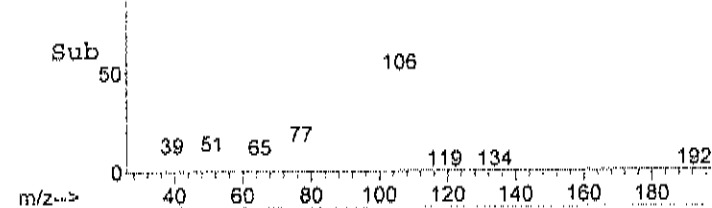
1000000

500000

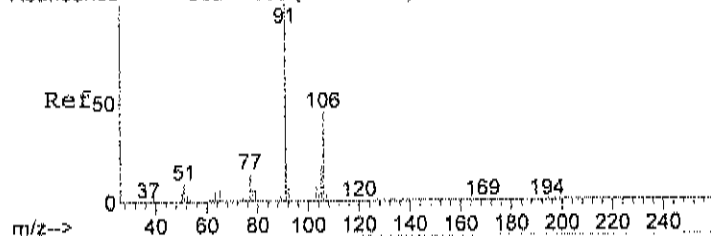
0

Time--> 17.90 18.00 18.10 18.20 18.30

Scan 4506 (18.080 min): AO103010.D (-4488) (-)



Abundance Scan 4680 (18.601 min): AO103002.D (-4658) (-)



#63

o-xylene

Concen: 10.52 ppb

RT: 18.60 min Scan# 4681

Delta R.T. -0.00 min

Lab File: AO103010.D

Acq: 30 Oct 2017 6:19 pm

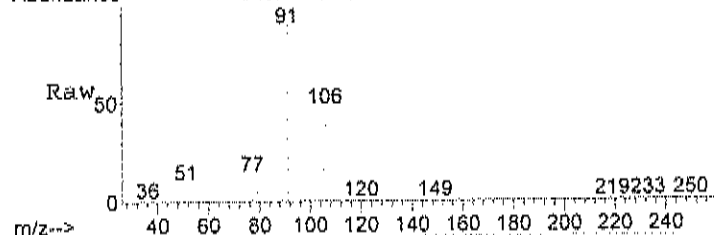
Tgt Ion: 91 Resp: 1252489

Ion Ratio Lower Upper

91 100

106 46.7 30.9 70.9

Abundance Scan 4681 (18.604 min): AO103010.D



Abundance Ion 91.00 (90.70 to 91.70): AO

Ion 106.00 (105.70 to 106.70):

18.60

600000

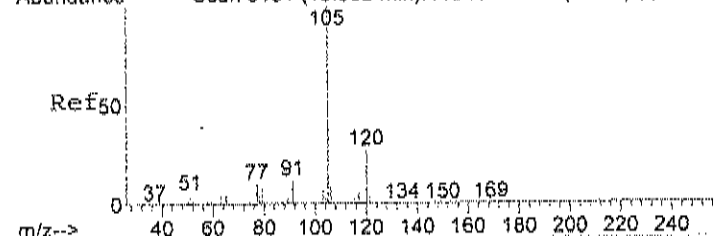
400000

200000

0

Time--> 18.50 18.60 18.70

Abundance Scan 5131 (19.952 min): AO103002.D (-5113) (-)



#69

4-ethyltoluene

Concen: 2.51 ppb

RT: 19.96 min Scan# 5132

Delta R.T. -0.00 min

Lab File: AO103010.D

Acq: 30 Oct 2017 6:19 pm

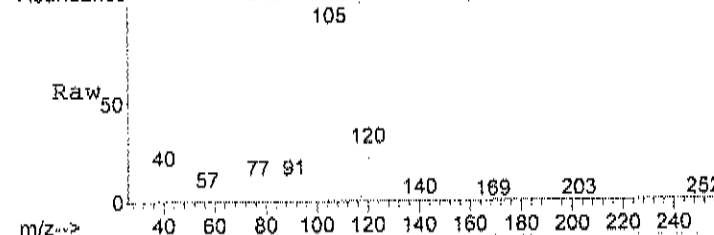
Tgt Ion: 105 Resp: 294437

Ion Ratio Lower Upper

105 100

120 27.5 10.5 50.5

Abundance Scan 5132 (19.955 min): AO103010.D



Abundance Ion 105.00 (104.70 to 105.70):

Ion 120.00 (119.70 to 120.70):

19.96

250000

200000

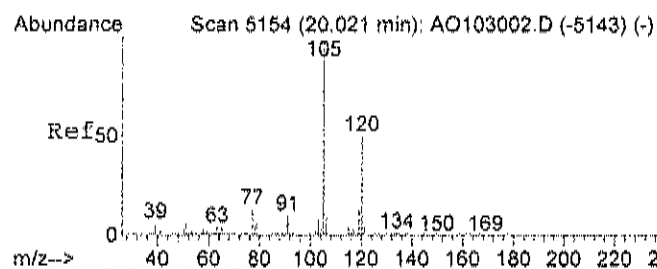
150000

100000

50000

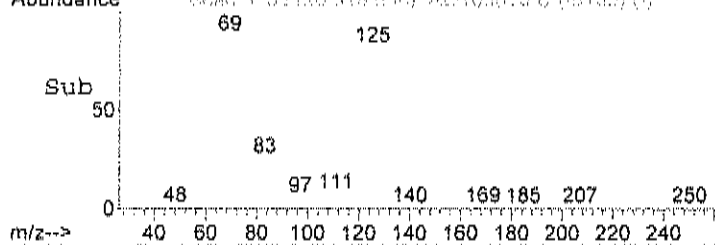
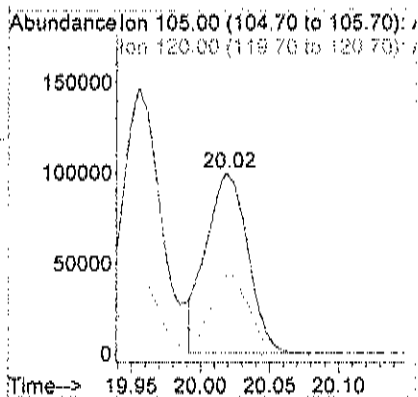
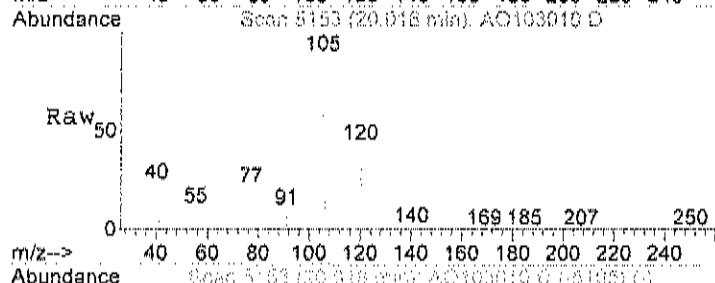
0

Time--> 19.90 19.95 20.00



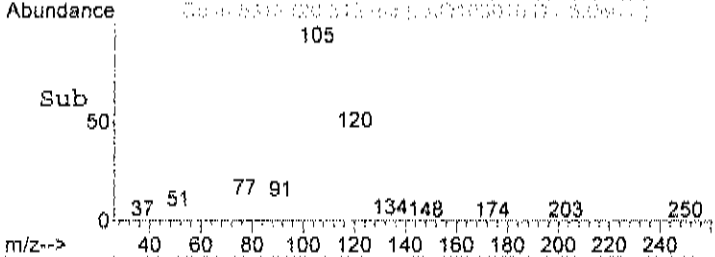
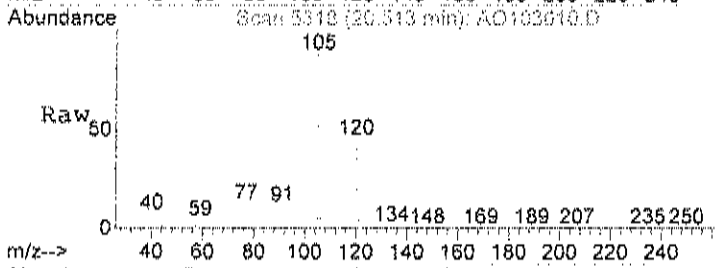
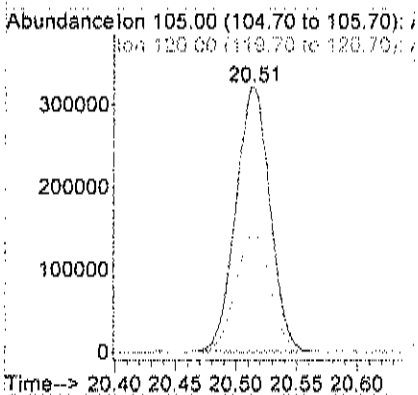
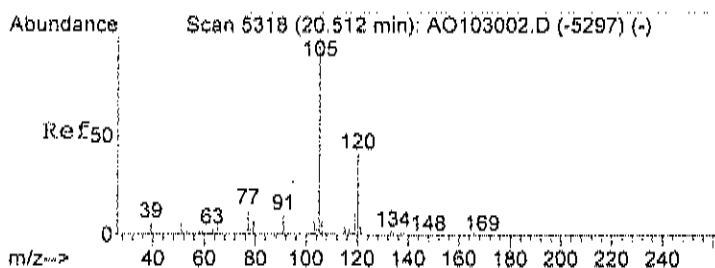
#70
1,3,5-trimethylbenzene
Concen: 2.03 ppb
RT: 20.02 min Scan# 5153
Delta R.T. -0.01 min
Lab File: AO103010.D
Acq: 30 Oct 2017 6:19 pm

Tgt Ion:105 Resp: 211291
Ion Ratio Lower Upper
105 100
120 40.6 28.2 68.2



#71
1,2,4-trimethylbenzene
Concen: 8.15 ppb
RT: 20.51 min Scan# 5318
Delta R.T. -0.00 min
Lab File: AO103010.D
Acq: 30 Oct 2017 6:19 pm

Tgt Ion:105 Resp: 630748
Ion Ratio Lower Upper
105 100
120 45.3 27.6 67.6



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AO103015.D

Vial: 31

Acq On : 31 Oct 2017 1:16 am

Operator: RJP

Sample : C1710061-004A 10x

Inst : MSD #1

Misc : AN30_1UG

Multiplr: 1.00

MS Integration Params: RTEINT.P

Quant Time: Oct 31 11:13:25 2017

Quant Results File: AN24_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\AN24_1UG.M (RTE Integrator)

Title : TO-15 VOA Standards for 5 point calibration

Last Update : Wed Oct 25 08:32:47 2017

Response via : Initial Calibration

DataAcq Meth : 1UG_RUN

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------|-------|------|----------|------|-------|----------|
| 1) Bromochloromethane | 10.63 | 128 | 18866 | 1.00 | ppb | 0.00 |
| 35) 1,4-difluorobenzene | 12.85 | 114 | 86880 | 1.00 | ppb | 0.00 |
| 50) Chlorobenzene-d5 | 17.58 | 117 | 73871 | 1.00 | ppb | 0.00 |

System Monitoring Compounds

| | | | | | | |
|------------------------|-------|-------|----------|----------|-----|--------|
| 65) Bromofluorobenzene | 19.31 | 95 | 48495 | 0.98 | ppb | 0.00 |
| Spiked Amount | 1.000 | Range | 70 - 130 | Recovery | = | 98.00% |

Target Compounds

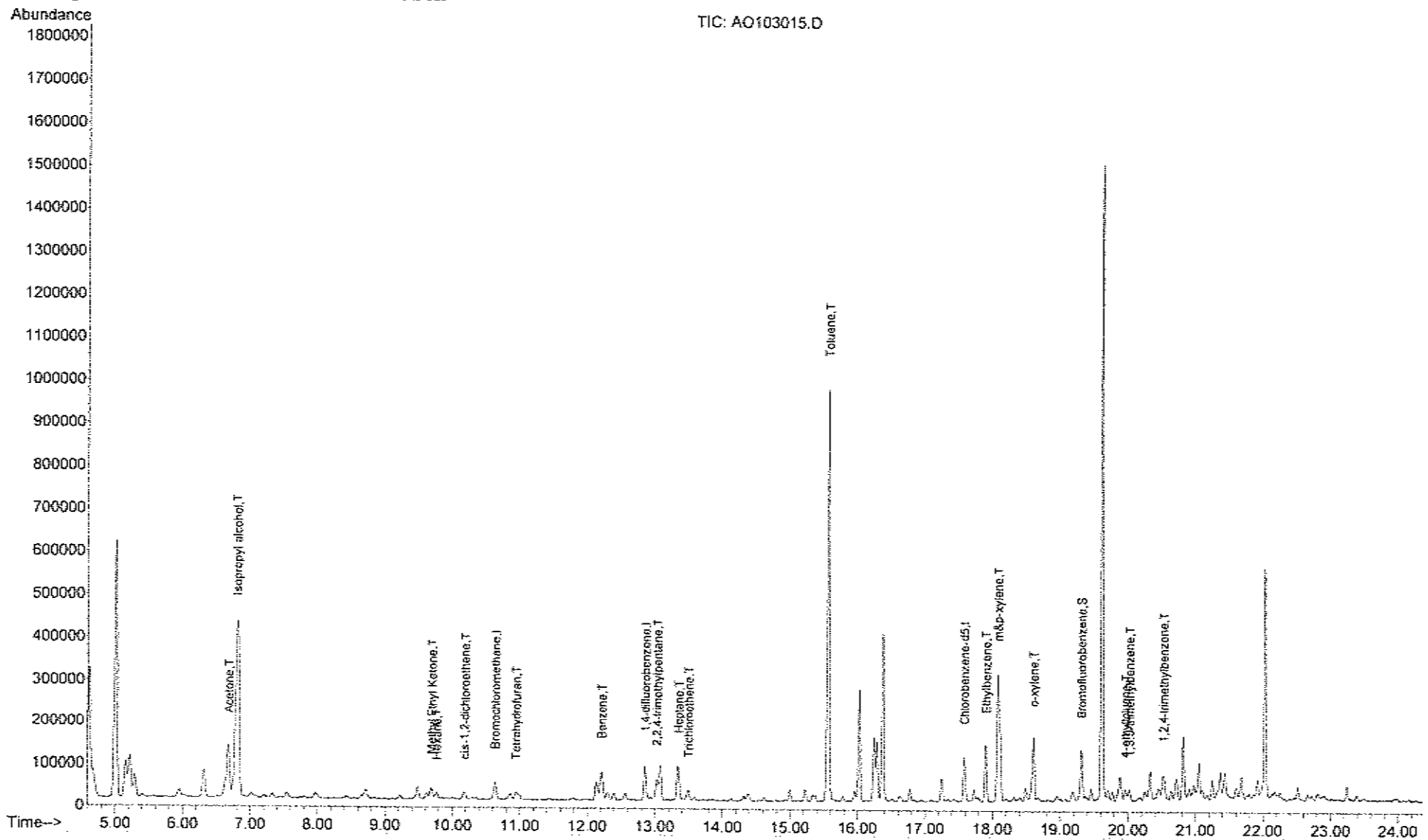
| | | | | | | Qvalue |
|----------------------------|-------|-----|---------------------|-------|-----|--------|
| 15) Acetone | 6.68 | 58 | 76581m ^f | 9.31 | ppb | |
| 17) Isopropyl alcohol | 6.79 | 45 | 467870 | 18.31 | ppb | # 1 |
| 28) Methyl Ethyl Ketone | 9.70 | 72 | 13273 | 1.27 | ppb | # 56 |
| 29) cis-1,2-dichloroethene | 10.18 | 61 | 14153 | 0.43 | ppb | 97 |
| 30) Hexane | 9.77 | 57 | 11677m ^f | 0.34 | ppb | |
| 33) Tetrahydrofuran | 10.94 | 42 | 15506 | 0.73 | ppb | 93 |
| 39) Benzene | 12.21 | 78 | 75204 | 0.94 | ppb | 99 |
| 42) 2,2,4-trimethylpentane | 13.03 | 57 | 65996 | 0.60 | ppb | 91 |
| 43) Heptane | 13.35 | 43 | 23727 | 0.61 | ppb | # 68 |
| 44) Trichloroethene | 13.49 | 130 | 9099 | 0.24 | ppb | 99 |
| 51) Toluene | 15.56 | 92 | 520781 | 9.80 | ppb | 89 |
| 58) Ethylbenzene | 17.90 | 91 | 117938 | 1.00 | ppb | 100 |
| 59) m&p-xylene | 18.07 | 91 | 323262 | 3.83 | ppb | 97 |
| 63) o-xylene | 18.60 | 91 | 105447 | 1.15 | ppb | 93 |
| 69) 4-ethyltoluene | 19.95 | 105 | 17645 | 0.19 | ppb | 94 |
| 70) 1,3,5-trimethylbenzene | 20.02 | 105 | 13066 | 0.16 | ppb | 87 |
| 71) 1,2,4-trimethylbenzene | 20.51 | 105 | 33966 | 0.57 | ppb | 96 |

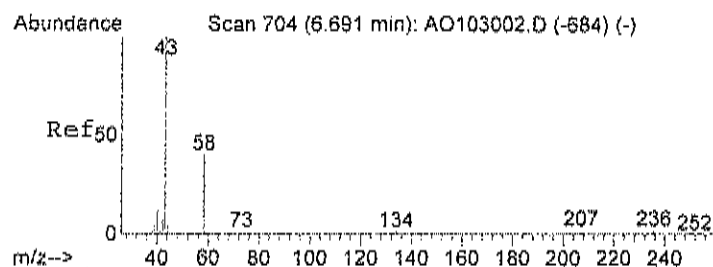
Data File : C:\HPCHEM\1\DATA2\AO103015.D
Acq On : 31 Oct 2017 1:16 am
Sample : C1710061-004A 10x
Misc : AN30_1UG
MS Integration Params: RTEINT.P
Quant Time: Nov 2 12:56 2017

Vial: 31
Operator: RJP
Inst : MSD #1
Multiplr: 1.00

Quant Results File: AN24_1UG.RES

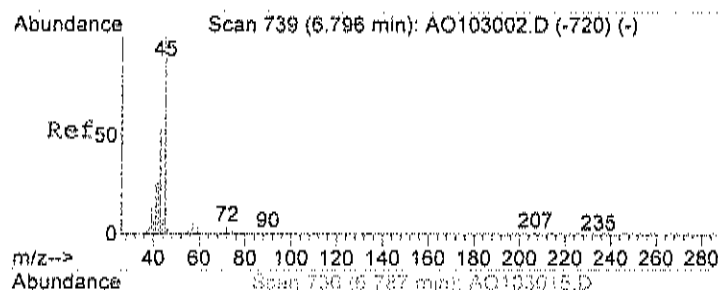
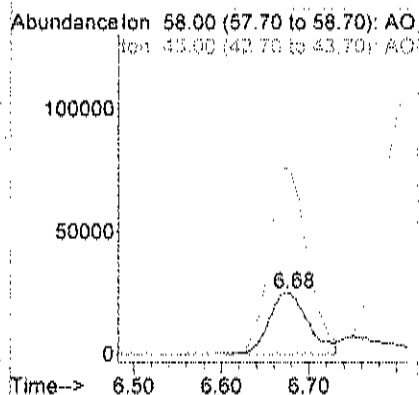
Method : C:\HPCHEM\1\METHODS\AN24_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Mon Nov 20 08:43:22 2017
Response via : Initial Calibration





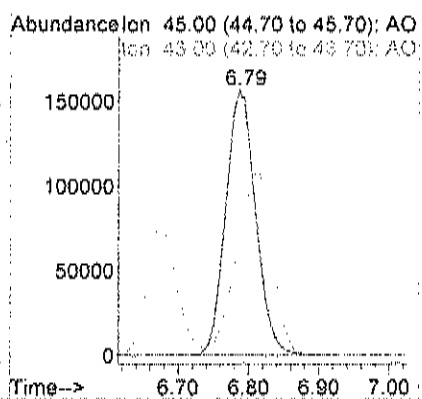
#15
Acetone
Concen: 9.31 ppb m
RT: 6.68 min Scan# 699
Delta R.T. -0.00 min
Lab File: AO103015.D
Acq: 31 Oct 2017 1:16 am

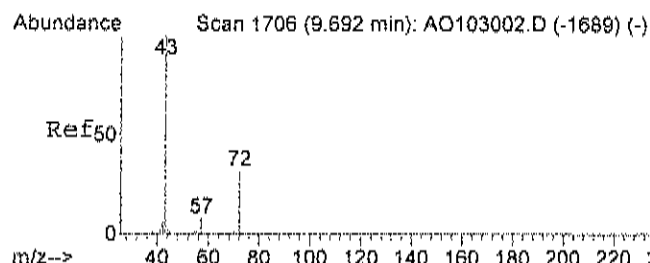
Tgt Ion: 58 Resp: 76581
Ion Ratio Lower Upper
58 100
43 301.2 308.4 368.4#



#17
Isopropyl alcohol
Concen: 18.31 ppb
RT: 6.79 min Scan# 736
Delta R.T. -0.00 min
Lab File: AO103015.D
Acq: 31 Oct 2017 1:16 am

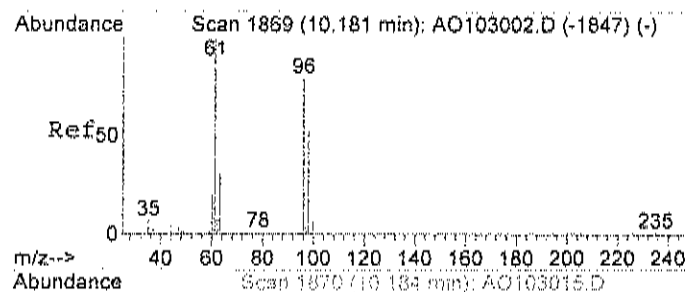
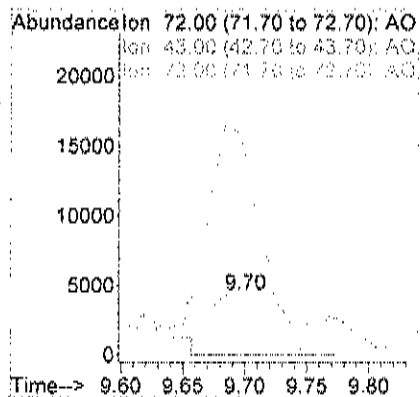
Tgt Ion: 45 Resp: 467870
Ion Ratio Lower Upper
45 100
43 80.6 4.3 44.3#





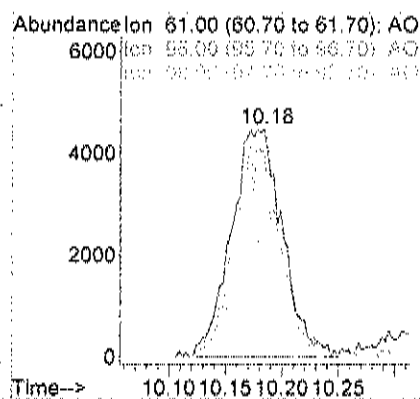
#28
Methyl Ethyl Ketone
Concen: 1.27 ppb
RT: 9.70 min Scan# 1707
Delta R.T. 0.01 min
Lab File: AO103015.D
Acq: 31 Oct 2017 1:16 am

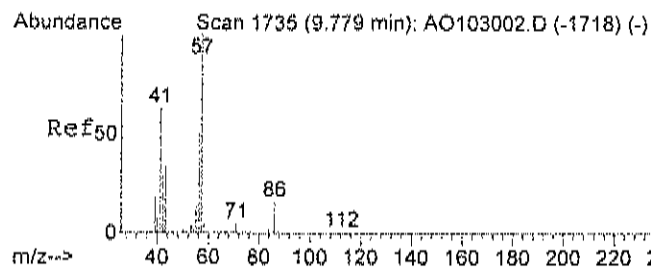
Tgt Ion: 72 Resp: 13273
Ion Ratio Lower Upper
72 100
43 400.7 267.6 307.6#
72 100.0 80.0 120.0



#29
cis-1,2-dichloroethene
Concen: 0.43 ppb
RT: 10.18 min Scan# 1870
Delta R.T. 0.01 min
Lab File: AO103015.D
Acq: 31 Oct 2017 1:16 am

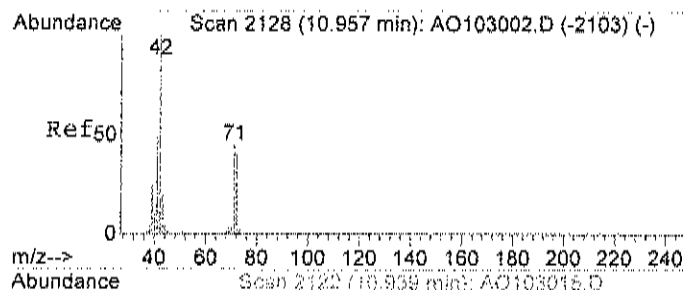
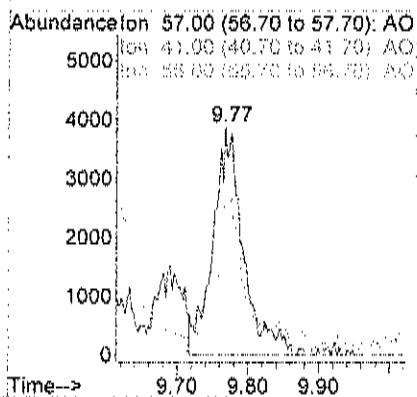
Tgt Ion: 61 Resp: 14153
Ion Ratio Lower Upper
61 100
96 83.8 60.3 100.3
98 52.4 30.5 70.5





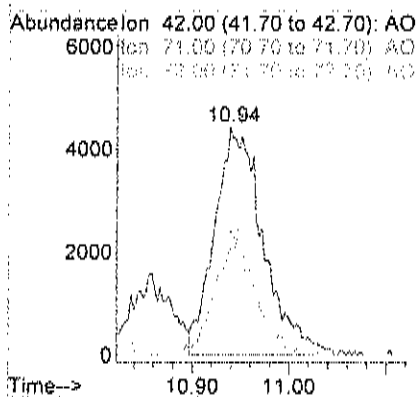
#30
Hexane
Concen: 0.34 ppb m
RT: 9.77 min Scan# 1731
Delta R.T. -0.00 min
Lab File: AO103015.D
Acq: 31 Oct 2017 1:16 am

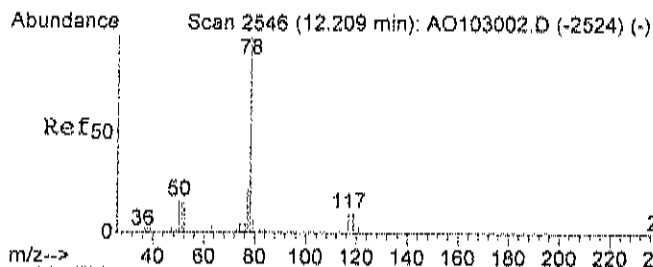
Tgt Ion: 57 Resp: 11677
Ion Ratio Lower Upper
57 100
41 61.8 63.5 103.5#
56 46.4 37.2 77.2



#33
Tetrahydrofuran
Concen: 0.73 ppb
RT: 10.94 min Scan# 2122
Delta R.T. -0.01 min
Lab File: AO103015.D
Acq: 31 Oct 2017 1:16 am

Tgt Ion: 42 Resp: 15506
Ion Ratio Lower Upper
42 100
71 43.6 27.8 67.8
72 46.7 22.0 62.0





#39

Benzene

Concen: 0.94 ppb

RT: 12.21 min Scan# 2545

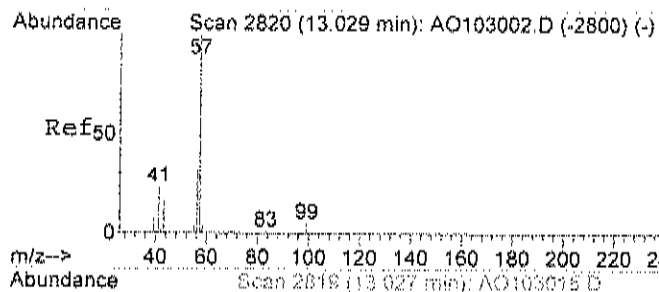
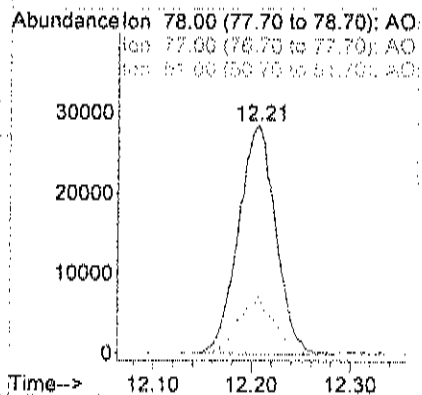
Delta R.T. -0.00 min

Lab File: AO103015.D

Acq: 31 Oct 2017 1:16 am

Tgt Ion: 78 Resp: 75204

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 78 | 100 | | |
| 77 | 23.8 | 3.3 | 43.3 |
| 51 | 15.4 | 0.0 | 36.1 |



#42

2,2,4-trimethylpentane

Concen: 0.60 ppb

RT: 13.03 min Scan# 2819

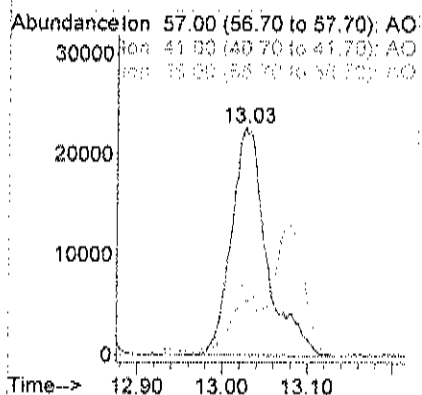
Delta R.T. -0.01 min

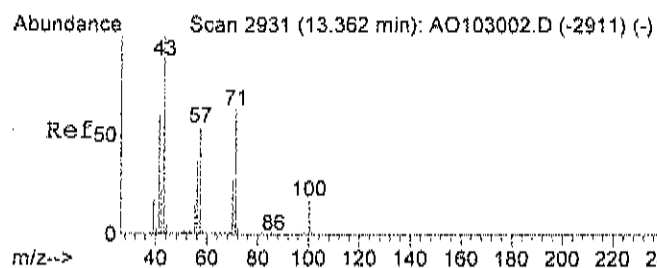
Lab File: AO103015.D

Acq: 31 Oct 2017 1:16 am

Tgt Ion: 57 Resp: 65996

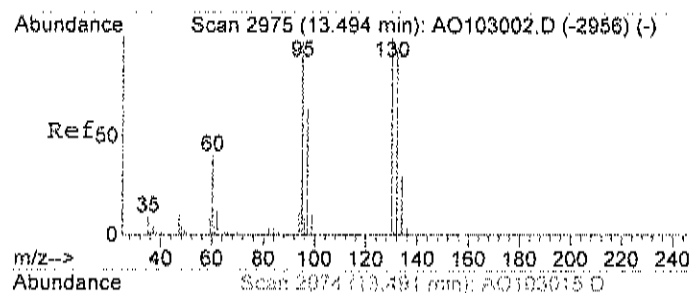
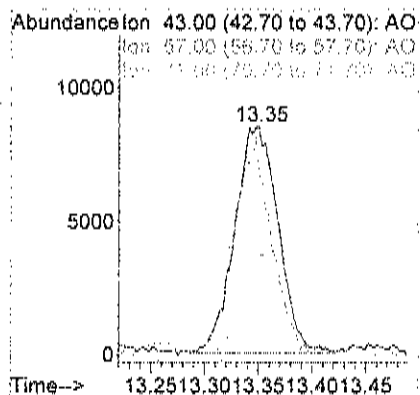
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 57 | 100 | | |
| 41 | 19.6 | 7.2 | 47.2 |
| 56 | 28.5 | 11.0 | 51.0 |





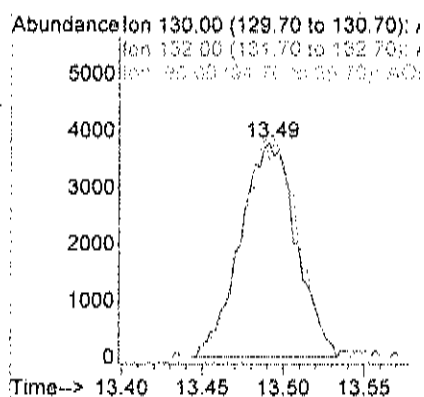
#43
Heptane
Concen: 0.61 ppb
RT: 13.35 min Scan# 2927
Delta R.T. -0.01 min
Lab File: AO103015.D
Acq: 31 Oct 2017 1:16 am

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43 | 100 | | |
| 57 | 82.7 | 33.9 | 73.9# |
| 71 | 40.4 | 38.3 | 78.3 |

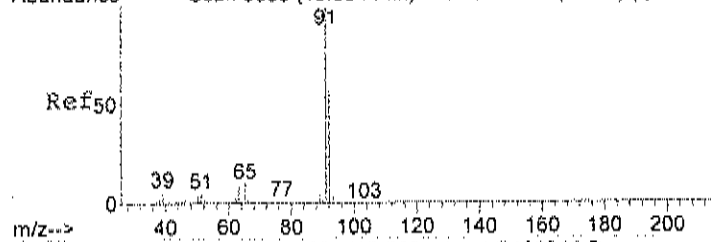


#44
Trichloroethene
Concen: 0.24 ppb
RT: 13.49 min Scan# 2974
Delta R.T. -0.00 min
Lab File: AO103015.D
Acq: 31 Oct 2017 1:16 am

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130 | 100 | | |
| 132 | 100.4 | 82.7 | 122.7 |
| 95 | 107.3 | 87.5 | 127.5 |



Abundance Scan 3666 (15.564 min): AO103002.D (-3646) (-)



#51

Toluene

Concen: 9.80 ppb

RT: 15.56 min Scan# 3664

Delta R.T. -0.00 min

Lab File: AO103015.D

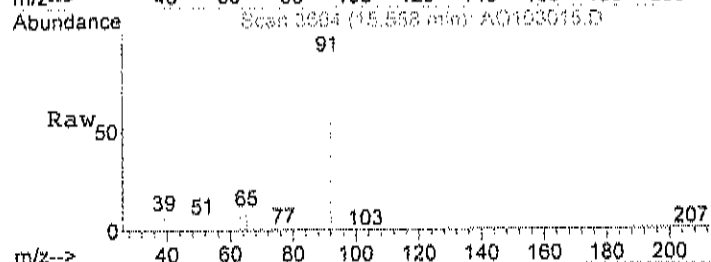
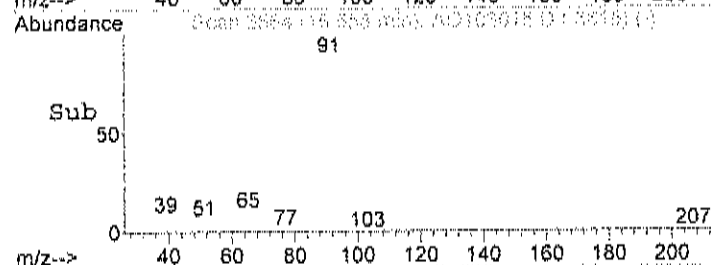
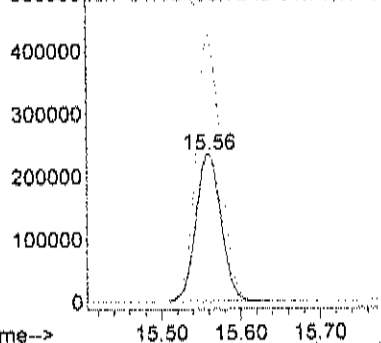
Acq: 31 Oct 2017 1:16 am

Tgt Ion: 92 Resp: 520781

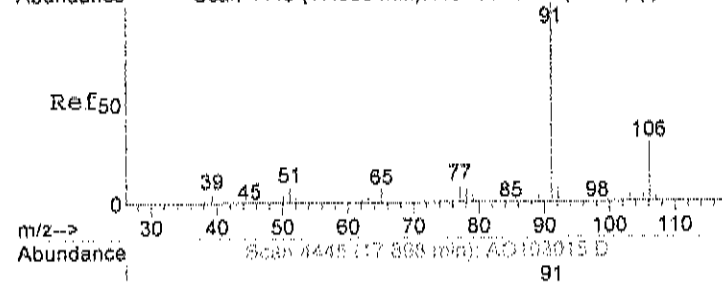
Ion Ratio Lower Upper

92 100

91 177.2 142.4 182.4

Abundance Ion 92.00 (91.70 to 92.70): AO
500000 Ion 91.00 (90.70 to 91.70): AO

Abundance Scan 4446 (17.900 min): AO103002.D (-4426) (-)



#58

Ethylbenzene

Concen: 1.00 ppb

RT: 17.90 min Scan# 4445

Delta R.T. -0.00 min

Lab File: AO103015.D

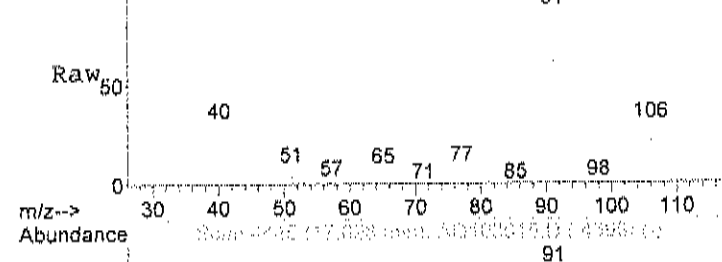
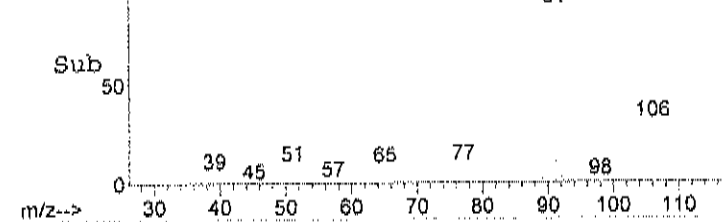
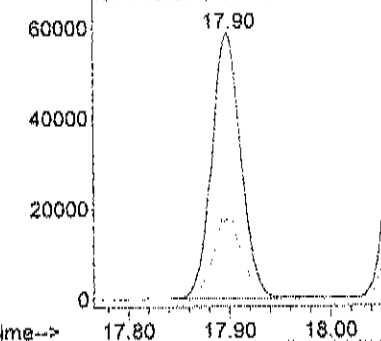
Acq: 31 Oct 2017 1:16 am

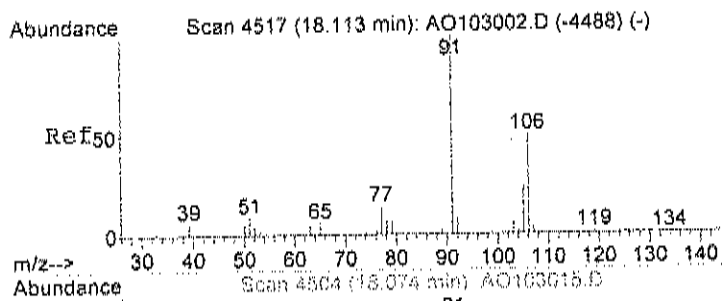
Tgt Ion: 91 Resp: 117938

Ion Ratio Lower Upper

91 100

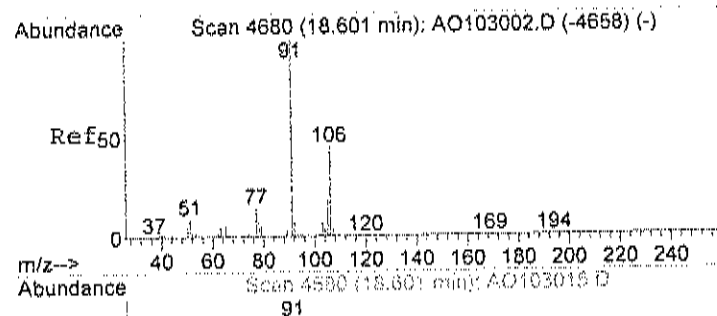
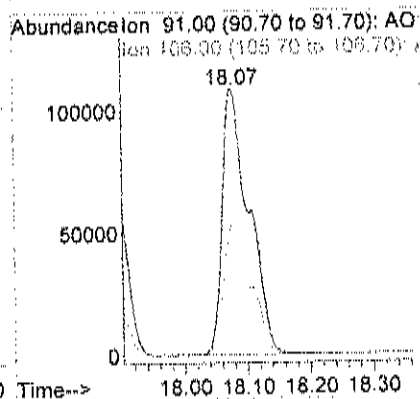
106 30.6 10.7 50.7

Abundance Ion 91.00 (90.70 to 91.70): AO
Ion 106.00 (105.70 to 106.70): AO



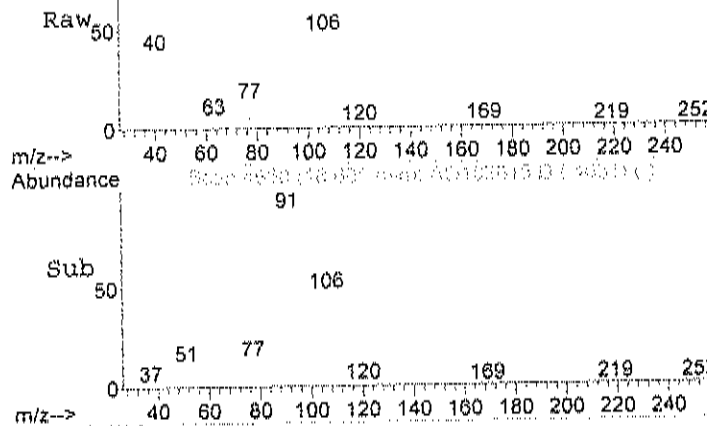
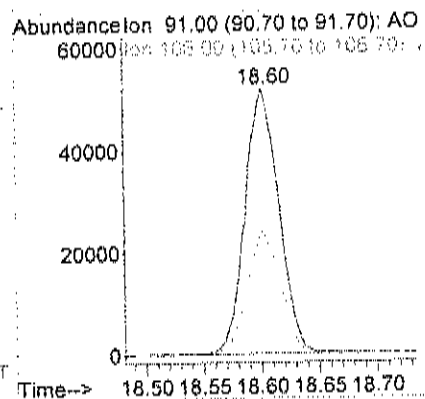
#59
m&p-xylene
Concen: 3.83 ppb
RT: 18.07 min Scan# 4504
Delta R.T. -0.04 min
Lab File: AO103015.D
Acq: 31 Oct 2017 1:16 am

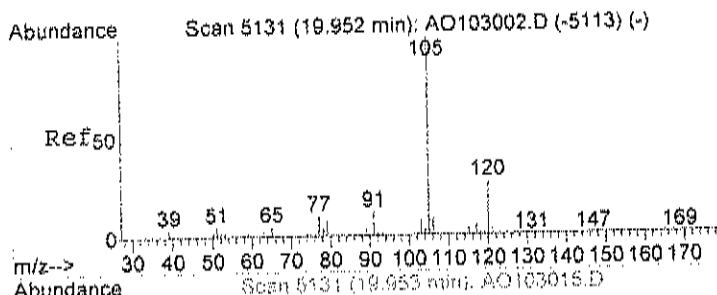
Tgt Ion: 91 Resp: 323262
Ion Ratio Lower Upper
91 100
106 47.2 25.4 65.4



#63
o-xylene
Concen: 1.15 ppb
RT: 18.60 min Scan# 4680
Delta R.T. -0.00 min
Lab File: AO103015.D
Acq: 31 Oct 2017 1:16 am

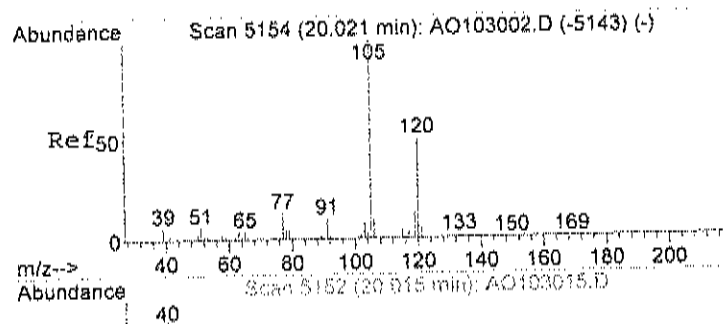
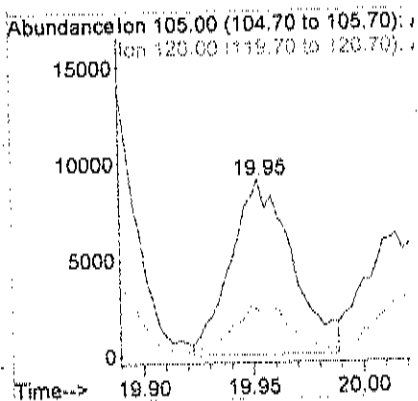
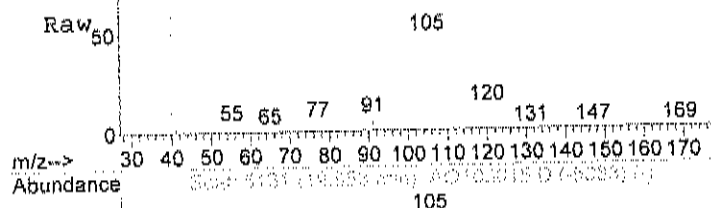
Tgt Ion: 91 Resp: 105447
Ion Ratio Lower Upper
91 100
106 46.0 30.9 70.9





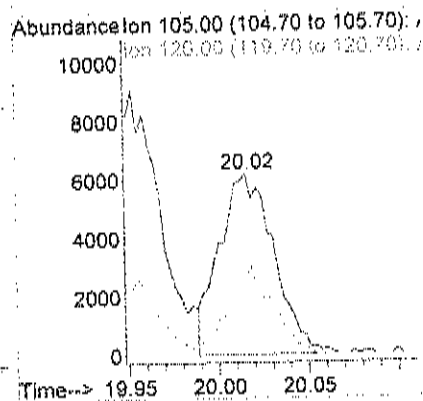
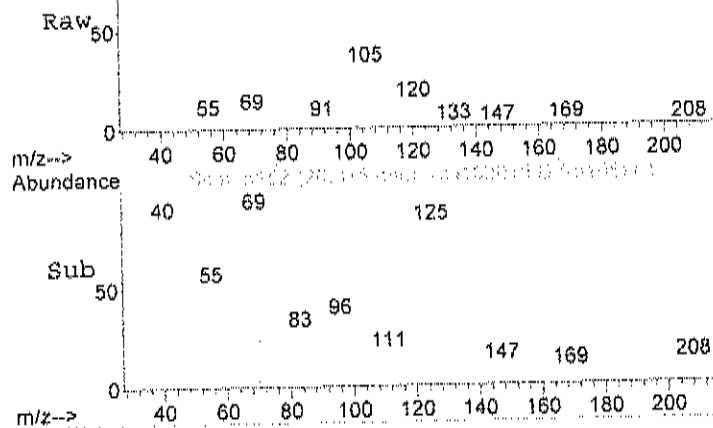
#69
4-ethyltoluene
Concen: 0.19 ppb
RT: 19.95 min Scan# 5131
Delta R.T. -0.01 min
Lab File: AO103015.D
Acq: 31 Oct 2017 1:16 am

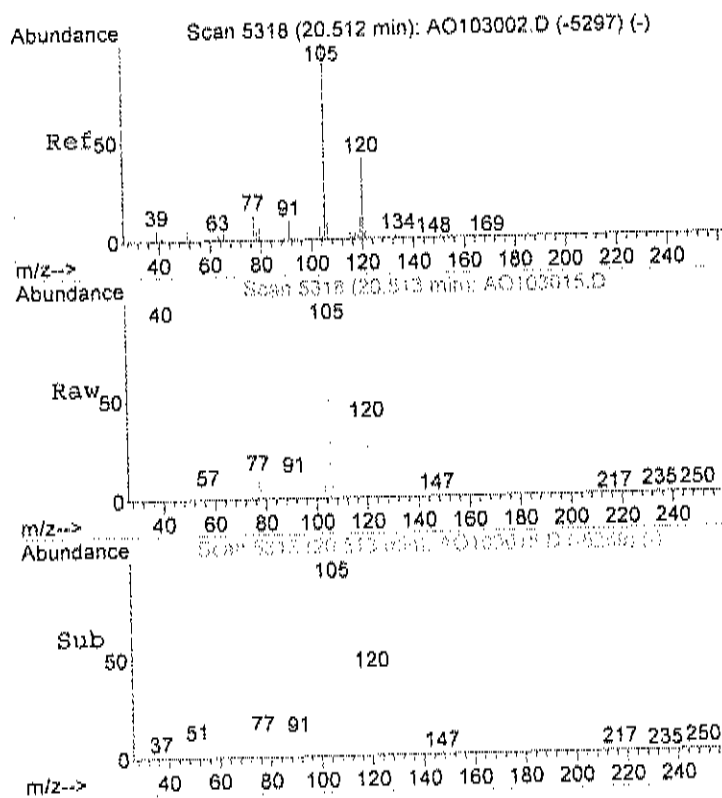
| Tgt Ion | 105 | 120 |
|---------|-------|------|
| Resp | 17645 | 27.5 |
| Ratio | 100 | 10.5 |
| Lower | | 50.5 |
| Upper | | |



#70
1,3,5-trimethylbenzene
Concen: 0.16 ppb
RT: 20.02 min Scan# 5152
Delta R.T. -0.01 min
Lab File: AO103015.D
Acq: 31 Oct 2017 1:16 am

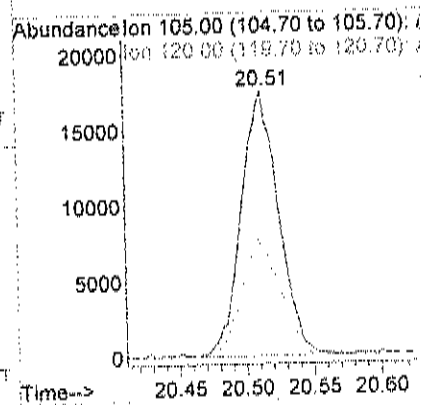
| Tgt Ion | 105 | 120 |
|---------|-------|------|
| Resp | 13066 | 39.6 |
| Ratio | 100 | 28.2 |
| Lower | | 68.2 |
| Upper | | |





#71
1,2,4-trimethylbenzene
Concen: 0.57 ppb
RT: 20.51 min Scan# 5318
Delta R.T. -0.00 min
Lab File: AO103015.D
Acq: 31 Oct 2017 1:16 am

| Tgt Ion | 105 | Resp | 33966 |
|---------|-------|-------|-------|
| Ion | Ratio | Lower | Upper |
| 105 | 100 | | |
| 120 | 44.8 | 27.6 | 67.6 |



Quantitation Report

(QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AO103020.D

Vial: 36

Acq On : 31 Oct 2017 8:24 am

Operator: RJP

Sample : C1710061-004A 90x

Inst : MSD #1

Misc : AN30_1UG

Multiplr: 1.00

MS Integration Params: RTEINT.P

Quant Time: Oct 31 11:13:30 2017

Quant Results File: AN24_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\AN24_1UG.M (RTE Integrator)

Title : TO-15 VOA Standards for 5 point calibration

Last Update : Wed Oct 25 08:32:47 2017

Response via : Initial Calibration

DataAcq Meth : 1UG_RUN

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------|-------|------|----------|------|-------|----------|
| 1) Bromochloromethane | 10.62 | 128 | 23038 | 1.00 | ppb | -0.02 |
| 35) 1,4-difluorobenzene | 12.84 | 114 | 100057 | 1.00 | ppb | -0.02 |
| 50) Chlorobenzene-d5 | 17.57 | 117 | 80883 | 1.00 | ppb | -0.01 |

System Monitoring Compounds

| | | | | | | |
|------------------------|-------|-------|----------|----------|-----|--------|
| 65) Bromofluorobenzene | 19.30 | 95 | 50008 | 0.92 | ppb | 0.00 |
| Spiked Amount | 1.000 | Range | 70 - 130 | Recovery | = | 92.00% |

Target Compounds

| | | | | | | Qvalue |
|-----------------------|-------|----|-------|------|-----|--------|
| 15) Acetone | 6.67 | 58 | 12344 | 1.23 | ppb | # 61 |
| 17) Isopropyl alcohol | 6.77 | 45 | 63348 | 2.03 | ppb | # 1 |
| 51) Toluene | 15.55 | 92 | 46164 | 0.79 | ppb | 91 |

Data File : C:\HPCHEM\1\DATA2\AO103020.D

Vial: 36

Acq On : 31 Oct 2017 8:24 am

Operator: RJP

Sample : C1710061-004A 90x

Inst : MSD #1

Misc : AN30_1UG

Multiplr: 1.00

MS Integration Params: RTEINT.P

Quant Time: Nov 2 12:57 2017

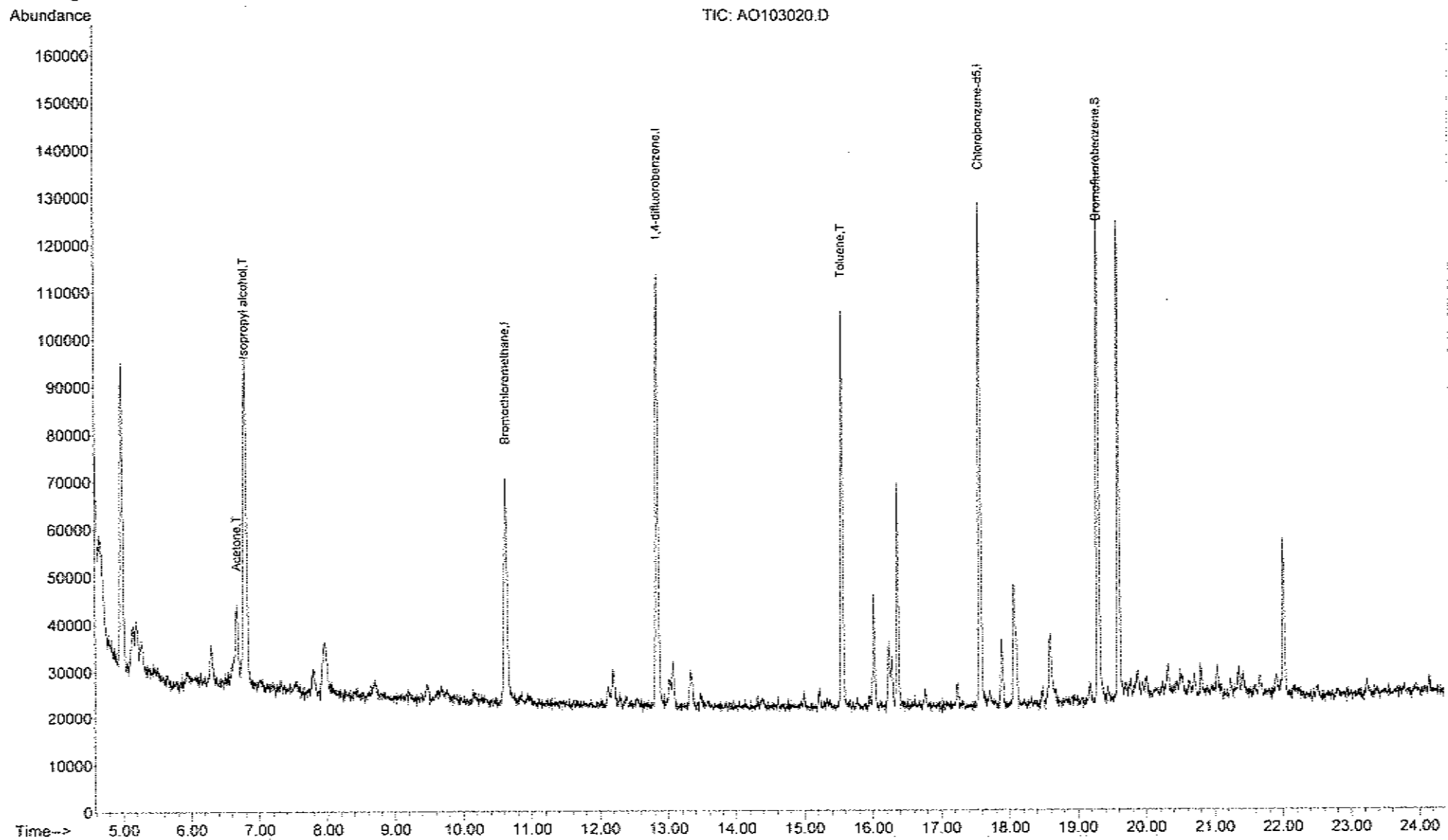
Quant Results File: AN24_1UG.RES

Method : C:\HPCHEM\1\METHODS\AN24_1UG.M (RTE Integrator)

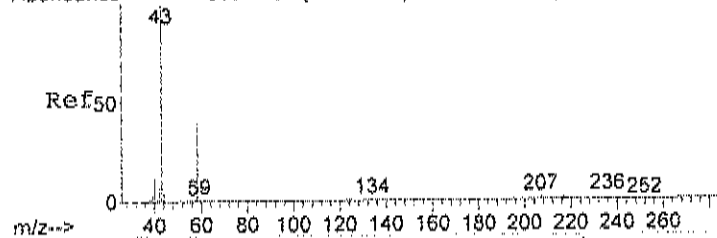
Title : TO-15 VOA Standards for 5 point calibration

Last Update : Mon Nov 20 08:43:22 2017

Response via : Initial Calibration



Abundance Scan 704 (6.691 min): AO103002.D (-684) (-)



#15

Acetone

Concen: 1.23 ppb

RT: 6.67 min Scan# 698

Delta R.T. -0.01 min

Lab File: AO103020.D

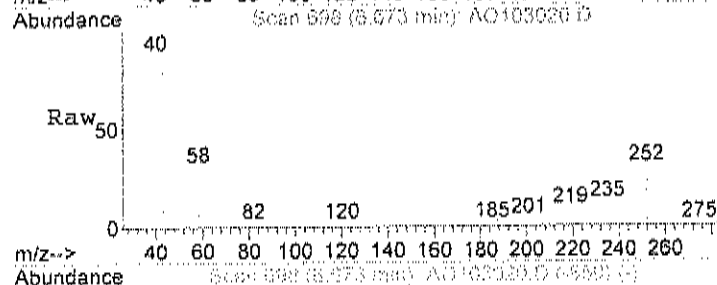
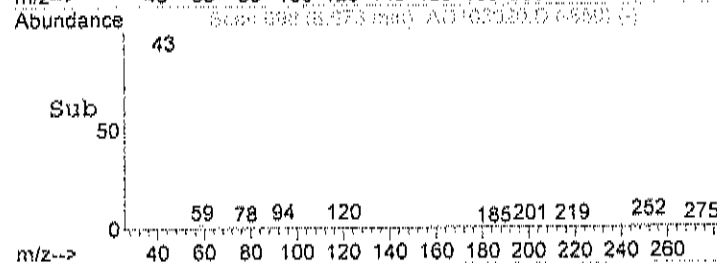
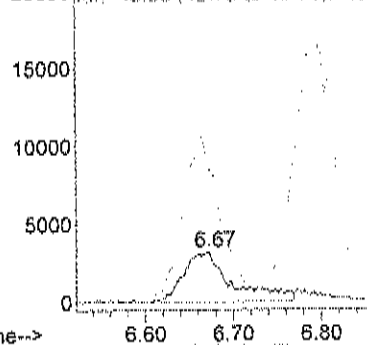
Acq: 31 Oct 2017 8:24 am

Tgt Ion: 58 Resp: 12344

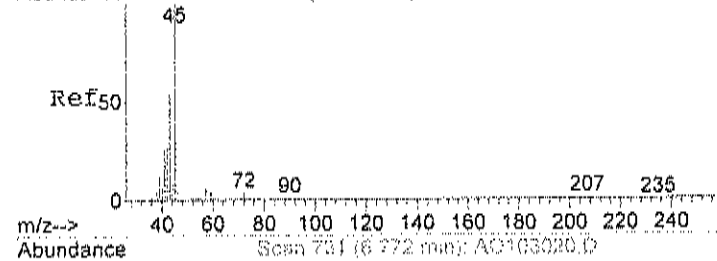
Ion Ratio Lower Upper

58 100

43 256.1 308.4 368.4#

Abundance Ion 58.00 (57.70 to 58.70): AO
20000 Ion 43.00 (42.70 to 43.70): AO

Abundance Scan 739 (6.796 min): AO103002.D (-720) (-)



#17

Isopropyl alcohol

Concen: 2.03 ppb

RT: 6.77 min Scan# 731

Delta R.T. -0.02 min

Lab File: AO103020.D

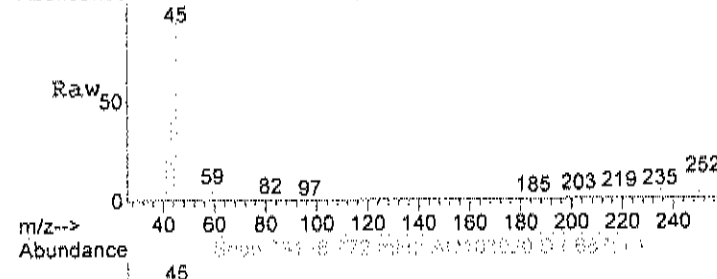
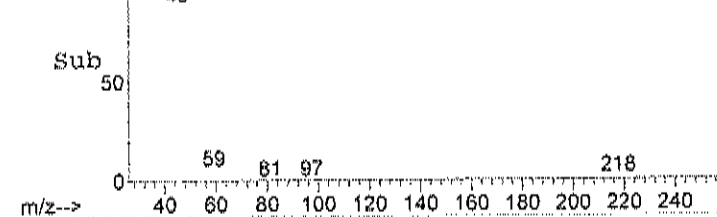
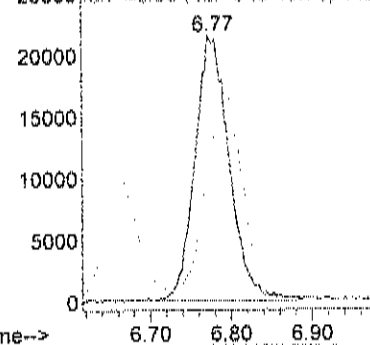
Acq: 31 Oct 2017 8:24 am

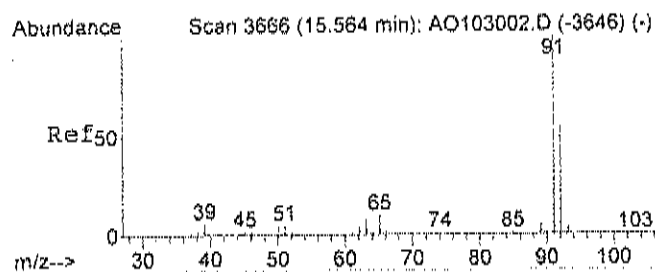
Tgt Ion: 45 Resp: 63348

Ion Ratio Lower Upper

45 100

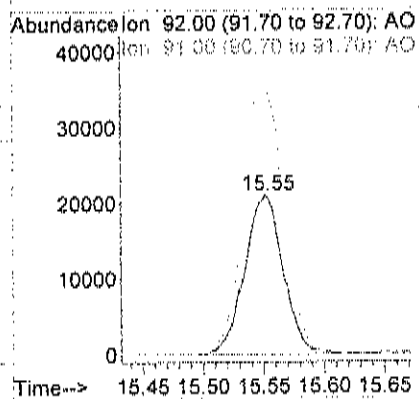
43 81.4 4.3 44.3#

Abundance Ion 45.00 (44.70 to 45.70): AO
25000 Ion 43.00 (42.70 to 43.70): AO



#51
Toluene
Concen: 0.79 ppb
RT: 15.55 min Scan# 3662
Delta R.T. -0.01 min
Lab File: AO103020.D
Acq: 31 Oct 2017 8:24 am

Tgt Ion: 92 Resp: 46164
Ion Ratio Lower Upper
92 100
91 175.0 142.4 182.4



Centek Laboratories, LLC

Date: 20-Nov-17

CLIENT: LaBella Associates, P.C.
 Lab Order: C1710061
 Project: 300 Commerce Dr
 Lab ID: C1710061-005A

Client Sample ID: 2017_10_24_EX2
 Tag Number: 96.297
 Collection Date: 10/24/2017
 Matrix: AIR

| Analyses | Result | **Limit | Qual | Units | DF | Date Analyzed |
|--------------------------------------|--------|---------|------------|-------|-----|------------------------|
| FIELD PARAMETERS | | | | | | |
| Lab Vacuum In | -2 | | | "Hg | | Analyst: 10/27/2017 |
| Lab Vacuum Out | -30 | | | "Hg | | 10/27/2017 |
| 1UG/M3 W/ 0.25UG/M3 CT-TCE-VC | | | | | | |
| | | | FLD | | | Analyst: RJP |
| 1,1,1-Trichloroethane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:59:00 PM |
| 1,1,2,2-Tetrachloroethane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:59:00 PM |
| 1,1,2-Trichloroethane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:59:00 PM |
| 1,1-Dichloroethane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:59:00 PM |
| 1,1-Dichloroethene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:59:00 PM |
| 1,2,4-Trichlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:59:00 PM |
| 1,2,4-Trimethylbenzene | 6.6 | 1.5 | | ppbV | 10 | 10/31/2017 2:29:00 AM |
| 1,2-Dibromoethane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:59:00 PM |
| 1,2-Dichlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:59:00 PM |
| 1,2-Dichloroethane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:59:00 PM |
| 1,2-Dichloropropane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:59:00 PM |
| 1,3,5-Trimethylbenzene | 1.7 | 1.5 | | ppbV | 10 | 10/31/2017 2:29:00 AM |
| 1,3-butadiene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:59:00 PM |
| 1,3-Dichlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:59:00 PM |
| 1,4-Dichlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:59:00 PM |
| 1,4-Dioxane | < 0.30 | 0.30 | | ppbV | 1 | 10/30/2017 6:59:00 PM |
| 2,2,4-trimethylpentane | 7.0 | 1.5 | | ppbV | 10 | 10/31/2017 2:29:00 AM |
| 4-ethyltoluene | 2.1 | 1.5 | | ppbV | 10 | 10/31/2017 2:29:00 AM |
| Acetone | 140 | 81 | | ppbV | 270 | 10/31/2017 9:01:00 AM |
| Allyl chloride | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:59:00 PM |
| Benzene | 10 | 1.5 | | ppbV | 10 | 10/31/2017 2:29:00 AM |
| Benzyl chloride | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:59:00 PM |
| Bromodichloromethane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:59:00 PM |
| Bromoform | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:59:00 PM |
| Bromomethane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:59:00 PM |
| Carbon disulfide | 1.9 | 0.15 | | ppbV | 1 | 10/30/2017 6:59:00 PM |
| Carbon tetrachloride | 0.080 | 0.040 | | ppbV | 1 | 10/30/2017 6:59:00 PM |
| Chlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:59:00 PM |
| Chloroethane | 0.14 | 0.15 | J | ppbV | 1 | 10/30/2017 6:59:00 PM |
| Chloroform | 0.14 | 0.15 | J | ppbV | 1 | 10/30/2017 6:59:00 PM |
| Chloromethane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:59:00 PM |
| cis-1,2-Dichloroethene | 0.81 | 0.15 | | ppbV | 1 | 10/30/2017 6:59:00 PM |
| cis-1,3-Dichloropropene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:59:00 PM |
| Cyclohexane | 3.9 | 1.5 | | ppbV | 10 | 10/31/2017 2:29:00 AM |
| Dibromochloromethane | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:59:00 PM |
| Ethyl acetate | 1.1 | 0.15 | | ppbV | 1 | 10/30/2017 6:59:00 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

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Centek Laboratories, LLC

Date: 20-Nov-17

CLIENT: LaBella Associates, P.C.
 Lab Order: C1710061
 Project: 300 Commerce Dr
 Lab ID: C1710061-005A

Client Sample ID: 2017_10_24_EX2
 Tag Number: 96.297
 Collection Date: 10/24/2017
 Matrix: AIR

| Analyses | Result | **Limit | Qual | Units | DF | Date Analyzed |
|-------------------------------|---------|---------|-------|-------|-----|-----------------------|
| 1UG/M3 W/ 0.25UG/M3 CT-TCE-VC | | | TO-15 | | | Analyst: RJP |
| Ethylbenzene | 10 | 1.5 | | ppbV | 10 | 10/31/2017 2:29:00 AM |
| Freon 11 | 0.32 | 0.15 | | ppbV | 1 | 10/30/2017 6:59:00 PM |
| Freon 113 | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:59:00 PM |
| Freon 114 | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:59:00 PM |
| Freon 12 | 0.62 | 0.15 | | ppbV | 1 | 10/30/2017 6:59:00 PM |
| Heptane | 7.6 | 1.5 | | ppbV | 10 | 10/31/2017 2:29:00 AM |
| Hexachloro-1,3-butadiene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:59:00 PM |
| Hexane | 4.1 | 1.5 | | ppbV | 10 | 10/31/2017 2:29:00 AM |
| Isopropyl alcohol | 510 | 40 | | ppbV | 270 | 10/31/2017 9:01:00 AM |
| m&p-Xylene | 40 | 3.0 | | ppbV | 10 | 10/31/2017 2:29:00 AM |
| Methyl Butyl Ketone | < 0.30 | 0.30 | | ppbV | 1 | 10/30/2017 6:59:00 PM |
| Methyl Ethyl Ketone | 13 | 3.0 | | ppbV | 10 | 10/31/2017 2:29:00 AM |
| Methyl Isobutyl Ketone | 1.4 | 0.30 | | ppbV | 1 | 10/30/2017 6:59:00 PM |
| Methyl tert-butyl ether | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:59:00 PM |
| Methylene chloride | 0.32 | 0.15 | | ppbV | 1 | 10/30/2017 6:59:00 PM |
| o-Xylene | 12 | 1.5 | | ppbV | 10 | 10/31/2017 2:29:00 AM |
| Propylene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:59:00 PM |
| Styrene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:59:00 PM |
| Tetrachloroethylene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:59:00 PM |
| Tetrahydrofuran | 8.1 | 1.5 | | ppbV | 10 | 10/31/2017 2:29:00 AM |
| Toluene | 70 | 40 | | ppbV | 270 | 10/31/2017 9:01:00 AM |
| trans-1,2-Dichloroethene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:59:00 PM |
| trans-1,3-Dichloropropene | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:59:00 PM |
| Trichloroethene | 0.23 | 0.040 | | ppbV | 1 | 10/30/2017 6:59:00 PM |
| Vinyl acetate | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:59:00 PM |
| Vinyl Bromide | < 0.15 | 0.15 | | ppbV | 1 | 10/30/2017 6:59:00 PM |
| Vinyl chloride | < 0.040 | 0.040 | | ppbV | 1 | 10/30/2017 6:59:00 PM |
| Surr: Bromofluorobenzene | 108 | 70-130 | | %REC | 1 | 10/30/2017 6:59:00 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

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Date: 20-Nov-17

Centek Laboratories, LLC

CLIENT: LaBella Associates, P.C.
 Lab Order: C1710061
 Project: 300 Commerce Dr
 Lab ID: C1710061-005A

Client Sample ID: 2017_10_24_EX2
 Tag Number: 96.297
 Collection Date: 10/24/2017
 Matrix: AIR

| Analyses | Result | **Limit | Qual | Units | DF | Date Analyzed |
|-------------------------------|--------|---------|------|--------------|-----|-----------------------|
| 1UG/M3 W/ 0.25UG/M3 CT-TCE-VC | | TO-15 | | Analyst: RJP | | |
| 1,1,1-Trichloroethane | < 0.82 | 0.82 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| 1,1,2,2-Tetrachloroethane | < 1.0 | 1.0 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| 1,1,2-Trichloroethane | < 0.82 | 0.82 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| 1,1-Dichloroethane | < 0.61 | 0.61 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| 1,1-Dichloroethene | < 0.59 | 0.59 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| 1,2,4-Trichlorobenzene | < 1.1 | 1.1 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| 1,2,4-Trimethylbenzene | 32 | 7.4 | | ug/m3 | 10 | 10/31/2017 2:29:00 AM |
| 1,2-Dibromoethane | < 1.2 | 1.2 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| 1,2-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| 1,2-Dichloroethane | < 0.61 | 0.61 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| 1,2-Dichloropropane | < 0.69 | 0.69 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| 1,3,5-Trimethylbenzene | 8.4 | 7.4 | | ug/m3 | 10 | 10/31/2017 2:29:00 AM |
| 1,3-butadiene | < 0.33 | 0.33 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| 1,3-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| 1,4-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| 1,4-Dioxane | < 1.1 | 1.1 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| 2,2,4-trimethylpentane | 33 | 7.0 | | ug/m3 | 10 | 10/31/2017 2:29:00 AM |
| 4-ethyltoluene | 10 | 7.4 | | ug/m3 | 10 | 10/31/2017 2:29:00 AM |
| Acetone | 330 | 190 | | ug/m3 | 270 | 10/31/2017 9:01:00 AM |
| Allyl chloride | < 0.47 | 0.47 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| Benzene | 32 | 4.8 | | ug/m3 | 10 | 10/31/2017 2:29:00 AM |
| Benzyl chloride | < 0.86 | 0.86 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| Bromodichloromethane | < 1.0 | 1.0 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| Bromoform | < 1.6 | 1.6 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| Bromomethane | < 0.58 | 0.58 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| Carbon disulfide | 5.9 | 0.47 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| Carbon tetrachloride | 0.50 | 0.25 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| Chlorobenzene | < 0.69 | 0.69 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| Chloroethane | 0.37 | 0.40 | J | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| Chloroform | 0.68 | 0.73 | J | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| Chloromethane | < 0.31 | 0.31 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| cis-1,2-Dichloroethene | 3.2 | 0.59 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| cis-1,3-Dichloropropene | < 0.68 | 0.68 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| Cyclohexane | 13 | 5.2 | | ug/m3 | 10 | 10/31/2017 2:29:00 AM |
| Dibromochloromethane | < 1.3 | 1.3 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| Ethyl acetate | 3.8 | 0.54 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| Ethylbenzene | 44 | 6.5 | | ug/m3 | 10 | 10/31/2017 2:29:00 AM |
| Freon 11 | 1.8 | 0.84 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| Freon 113 | < 1.1 | 1.1 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| Freon 114 | < 1.0 | 1.0 | | ug/m3 | 1 | 10/30/2017 6:59:00 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: 20-Nov-17

CLIENT: LaBella Associates, P.C.
 Lab Order: C1710061
 Project: 300 Commerce Dr
 Lab ID: C1710061-005A

Client Sample ID: 2017_10_24_EX2
 Tag Number: 96.297
 Collection Date: 10/24/2017
 Matrix: AIR

| Analyses | Result | **Limit | Qual | Units | DF | Date Analyzed |
|-------------------------------|--------|---------|-------|-------|--------------|-----------------------|
| 1UG/M3 W/ 0.25UG/M3 CT-TCE-VC | | | TO-15 | | Analyst: RJP | |
| Freon 12 | 3.1 | 0.74 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| Heptane | 31 | 6.1 | | ug/m3 | 10 | 10/31/2017 2:29:00 AM |
| Hexachloro-1,3-butadiene | < 1.6 | 1.6 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| Hexane | 14 | 5.3 | | ug/m3 | 10 | 10/31/2017 2:29:00 AM |
| Isopropyl alcohol | 1300 | 98 | | ug/m3 | 270 | 10/31/2017 9:01:00 AM |
| m&p-Xylene | 170 | 13 | | ug/m3 | 10 | 10/31/2017 2:29:00 AM |
| Methyl Butyl Ketone | < 1.2 | 1.2 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| Methyl Ethyl Ketone | 38 | 8.8 | | ug/m3 | 10 | 10/31/2017 2:29:00 AM |
| Methyl Isobutyl Ketone | 5.7 | 1.2 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| Methyl tert-butyl ether | < 0.54 | 0.54 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| Methylene chloride | 1.1 | 0.52 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| o-Xylene | 54 | 6.5 | | ug/m3 | 10 | 10/31/2017 2:29:00 AM |
| Propylene | < 0.26 | 0.26 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| Styrene | < 0.64 | 0.64 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| Tetrachloroethylene | < 1.0 | 1.0 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| Tetrahydrofuran | 24 | 4.4 | | ug/m3 | 10 | 10/31/2017 2:29:00 AM |
| Toluene | 260 | 150 | | ug/m3 | 270 | 10/31/2017 9:01:00 AM |
| trans-1,2-Dichloroethene | < 0.59 | 0.59 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| trans-1,3-Dichloropropene | < 0.68 | 0.68 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| Trichloroethene | 1.2 | 0.21 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| Vinyl acetate | < 0.53 | 0.53 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| Vinyl Bromide | < 0.66 | 0.66 | | ug/m3 | 1 | 10/30/2017 6:59:00 PM |
| Vinyl chloride | < 0.10 | 0.10 | | ug/m3 | 1 | 10/30/2017 6:59:00 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

Page 10 of 10

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AO103011.D

Vial: 27

Acq On : 30 Oct 2017 6:59 pm

Operator: RJP

Sample : C1710061-005A

Inst : MSD #1

Misc : AN30_1UG

Multiplr: 1.00

MS Integration Params: RTEINT.P

Quant Time: Oct 30 23:06:51 2017

Quant Results File: AN24_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\AN24_1UG.M (RTE Integrator)

Title : TO-15 VOA Standards for 5 point calibration

Last Update : Wed Oct 25 08:32:47 2017

Response via : Initial Calibration

DataAcq Meth : 1UG_RUN

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------|-------|------|----------|------|-------|----------|
| 1) Bromochloromethane | 10.64 | 128 | 21806 | 1.00 | ppb | 0.00 |
| 35) 1,4-difluorobenzene | 12.86 | 114 | 100213 | 1.00 | ppb | 0.00 |
| 50) Chlorobenzene-d5 | 17.58 | 117 | 95326 | 1.00 | ppb | 0.00 |

System Monitoring Compounds

| | | | | | | |
|------------------------|-------|-------|----------|----------|-----|---------|
| 65) Bromofluorobenzene | 19.31 | 95 | 68984 | 1.08 | ppb | 0.00 |
| Spiked Amount | 1.000 | Range | 70 - 130 | Recovery | = | 108.00% |

Target Compounds

| | | | | | | Qvalue |
|----------------------------|-------|-----|----------|--------|-----|--------|
| 3) Freon 12 | 4.72 | 85 | 61907 | 0.62 | ppb | 98 |
| 10) Chloroethane | 5.86 | 64 | 1561 | 0.14 | ppb | # 72 |
| 14) Freon 11 | 6.52 | 101 | 32067 | 0.32 | ppb | 98 |
| 15) Acetone | 6.67 | 58 | 1133953 | 119.28 | ppb | # 50 |
| 17) Isopropyl alcohol | 6.80 | 45 | 11315893 | 383.10 | ppb | # 39 |
| 21) Methylene chloride | 7.82 | 84 | 8685 | 0.32 | ppb | 97 |
| 23) Carbon disulfide | 7.99 | 76 | 166060 | 1.89 | ppb | 85 |
| 28) Methyl Ethyl Ketone | 9.68 | 72 | 135891 | 11.26 | ppb | # 1 |
| 29) cis-1,2-dichloroethene | 10.18 | 61 | 30597 | 0.81 | ppb | 98 |
| 30) Hexane | 9.78 | 57 | 142727 | 3.62 | ppb | 85 |
| 31) Ethyl acetate | 10.30 | 43 | 57100 | 1.06 | ppb | 89 |
| 32) Chloroform | 10.80 | 83 | 9296 | 0.14 | ppb | 80 |
| 33) Tetrahydrofuran | 10.93 | 42 | 169746 | 6.96 | ppb | 94 |
| 37) Cyclohexane | 12.31 | 56 | 140426 | 3.53 | ppb | 87 |
| 38) Carbon tetrachloride | 12.25 | 117 | 6283 | 0.08 | ppb | 91 |
| 39) Benzene | 12.21 | 78 | 791454 | 8.58 | ppb | 99 |
| 42) 2,2,4-trimethylpentane | 13.03 | 57 | 770667 | 6.05 | ppb | 95 |
| 43) Heptane | 13.35 | 43 | 296859 | 6.67 | ppb | # 64 |
| 44) Trichloroethene | 13.50 | 130 | 9800 | 0.23 | ppb | 95 |
| 51) Toluene | 15.56 | 92 | 5682444 | 82.86 | ppb | 94 |
| 52) Methyl Isobutyl Ketone | 14.61 | 43 | 61086 | 1.39 | ppb | 93 |
| 58) Ethylbenzene | 17.90 | 91 | 1369469 | 9.01 | ppb | 100 |
| 59) m&p-xylene | 18.08 | 91 | 4075446 | 37.45 | ppb | 95 |
| 63) o-xylene | 18.60 | 91 | 1366920 | 11.52 | ppb | 94 |
| 69) 4-ethyltoluene | 19.96 | 105 | 332024 | 2.84 | ppb | 95 |
| 70) 1,3,5-trimethylbenzene | 20.02 | 105 | 218024 | 2.10 | ppb | 94 |
| 71) 1,2,4-trimethylbenzene | 20.52 | 105 | 754399 | 9.78 | ppb | 96 |
| 75) 1,2,3-trimethylbenzene | 21.04 | 105 | 147701 | 1.55 | ppb | 95 |

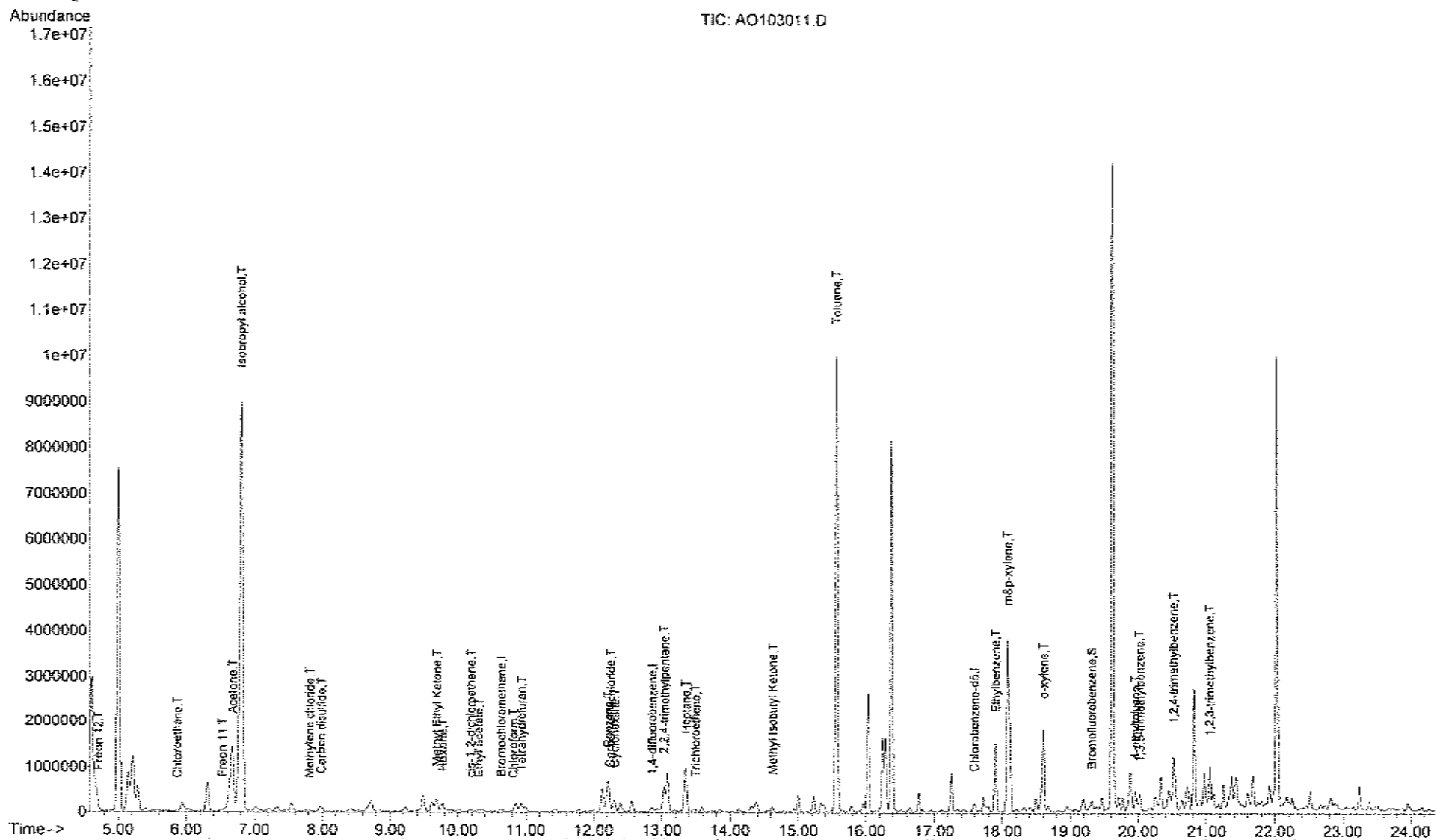
(#) = qualifier out of range (m) = manual integration (+) = signals summed
 AO103011.D AN24_1UG.M Mon Nov 20 08:45:03 2017 MSD1

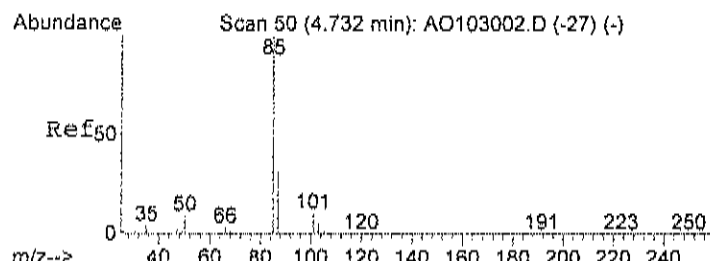
Data File : C:\HPCHEM\1\DATA2\AO103011.D
Acq On : 30 Oct 2017 6:59 pm
Sample : C1710061-005A
Misc : AN30_1UG
MS Integration Params: RTEINT.P
Quant Time: Nov 2 12:45 2017

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

Quant Results File: AN24_1UG.RES

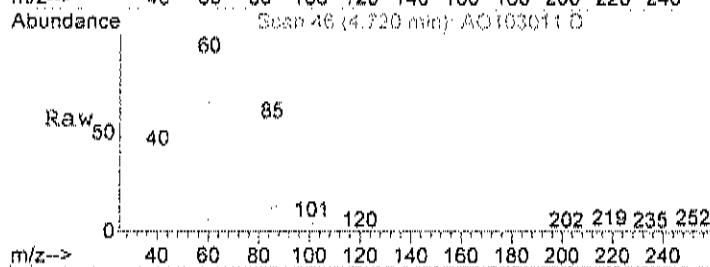
Method : C:\HPCHEM\1\METHODS\AN24_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Mon Nov 20 08:43:22 2017
Response via : Initial Calibration





#3
 Freon 12
 Concen: 0.62 ppb
 RT: 4.72 min Scan# 46
 Delta R.T. 0.01 min
 Lab File: AO103011.D
 Acq: 30 Oct 2017 6:59 pm

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 85 | 100 | | |
| 87 | 32.9 | 12.1 | 52.1 |



Abundance Ion 85.00 (84.70 to 85.70): AO

Ion 87.00 (86.70 to 87.30): AO

4.72

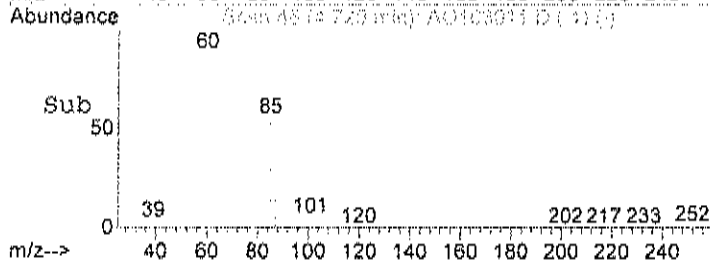
20000

10000

0

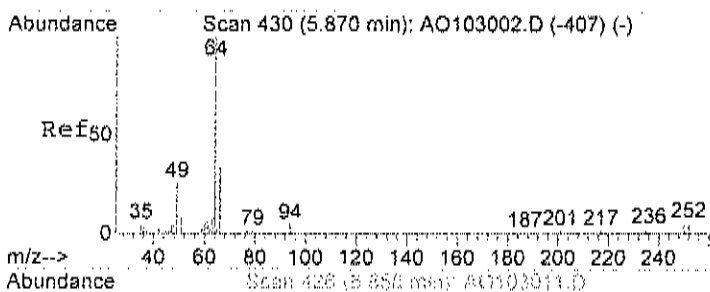
Time-->

4.65 4.70 4.75 4.80



#10
 Chloroethane
 Concen: 0.14 ppb
 RT: 5.86 min Scan# 426
 Delta R.T. 0.01 min
 Lab File: AO103011.D
 Acq: 30 Oct 2017 6:59 pm

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 64 | 100 | | |
| 66 | 15.7 | 24.8 | 37.2# |



Abundance Ion 64.00 (63.70 to 64.70): AO

Ion 66.00 (65.70 to 66.30): AO

5.86

800

600

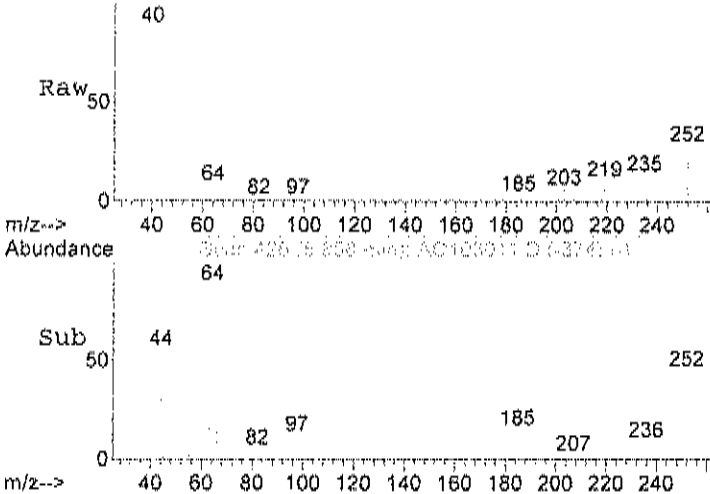
400

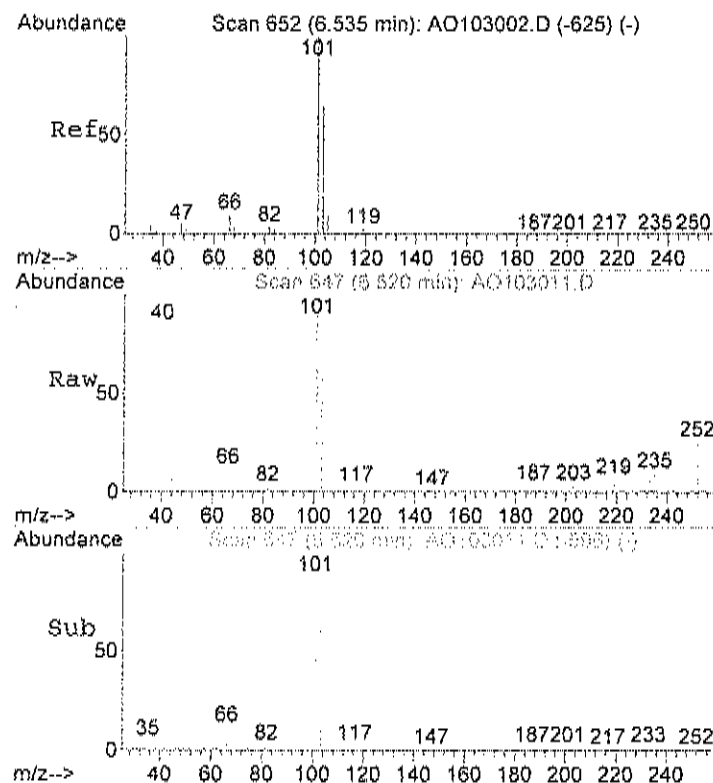
200

0

Time-->

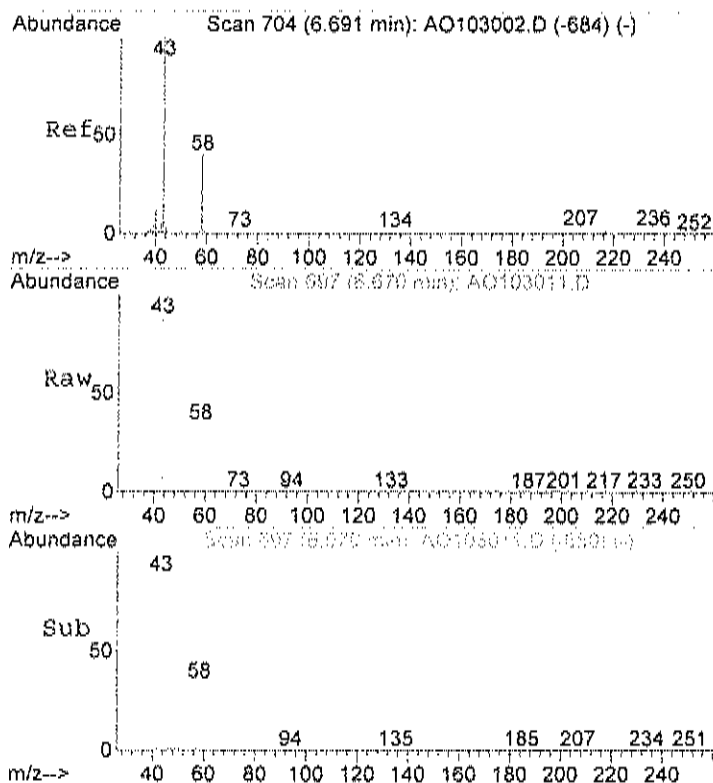
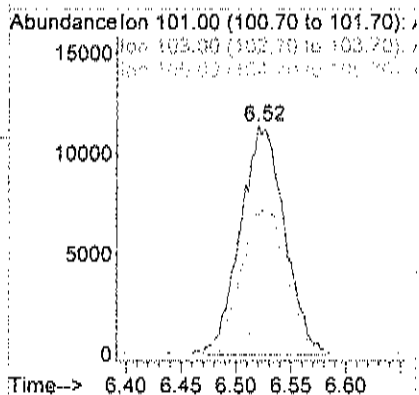
5.80 5.85 5.90





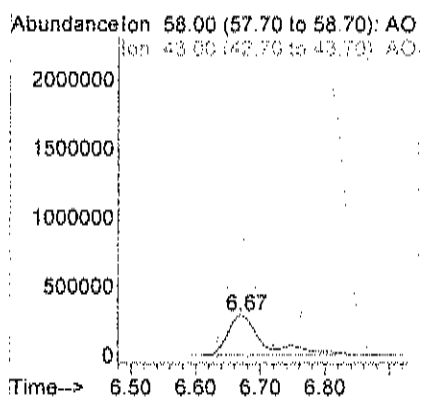
#14
Freon 11
Concen: 0.32 ppb
RT: 6.52 min Scan# 647
Delta R.T. 0.00 min
Lab File: AO103011.D
Acq: 30 Oct 2017 6:59 pm

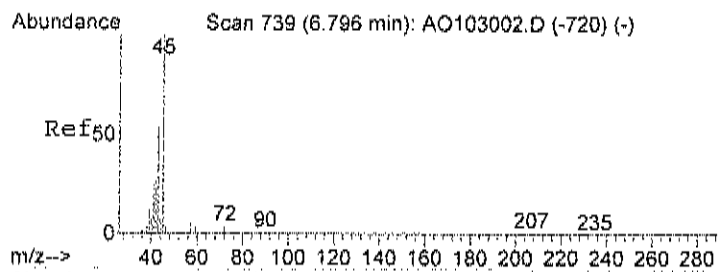
| Tgt Ion | 101 | Resp | 32067 |
|---------|-------|-------|-------|
| Ion | Ratio | Lower | Upper |
| 101 | 100 | | |
| 103 | 65.9 | 44.4 | 84.4 |
| 105 | 11.4 | 0.0 | 30.5 |



#15
Acetone
Concen: 119.28 ppb
RT: 6.67 min Scan# 697
Delta R.T. -0.01 min
Lab File: AO103011.D
Acq: 30 Oct 2017 6:59 pm

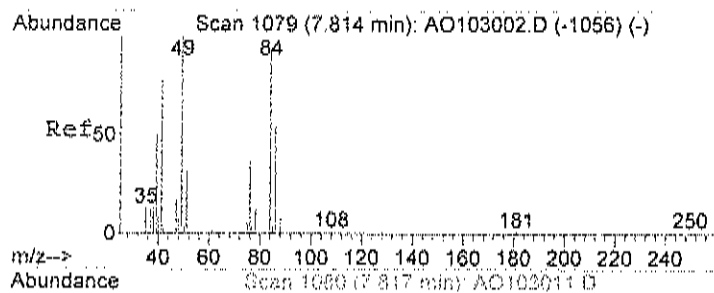
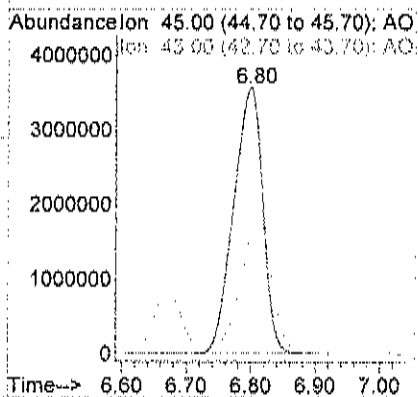
| Tgt Ion | 58 | Resp | 1133953 |
|---------|-------|-------|---------|
| Ion | Ratio | Lower | Upper |
| 58 | 100 | | |
| 43 | 232.3 | 308.4 | 368.4# |





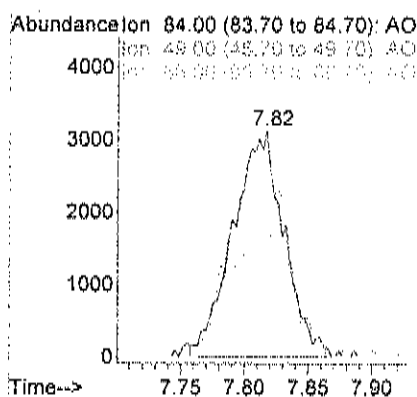
#17
Isopropyl alcohol
Concen: 383.10 ppb
RT: 6.80 min Scan# 740
Delta R.T. 0.01 min
Lab File: AO103011.D
Acq: 30 Oct 2017 6:59 pm

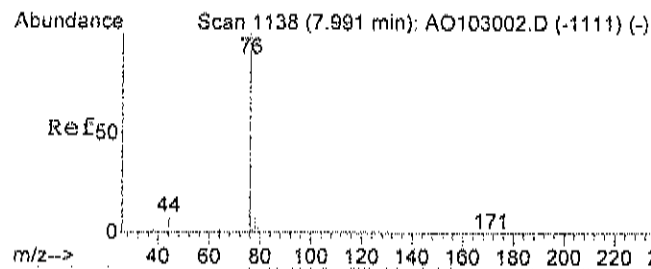
Tgt Ion: 45 Resp: 11315893
Ion Ratio Lower Upper
45 100
43 54.6 4.3 44.3#



#21
Methylene chloride
Concen: 0.32 ppb
RT: 7.82 min Scan# 1080
Delta R.T. 0.01 min
Lab File: AO103011.D
Acq: 30 Oct 2017 6:59 pm

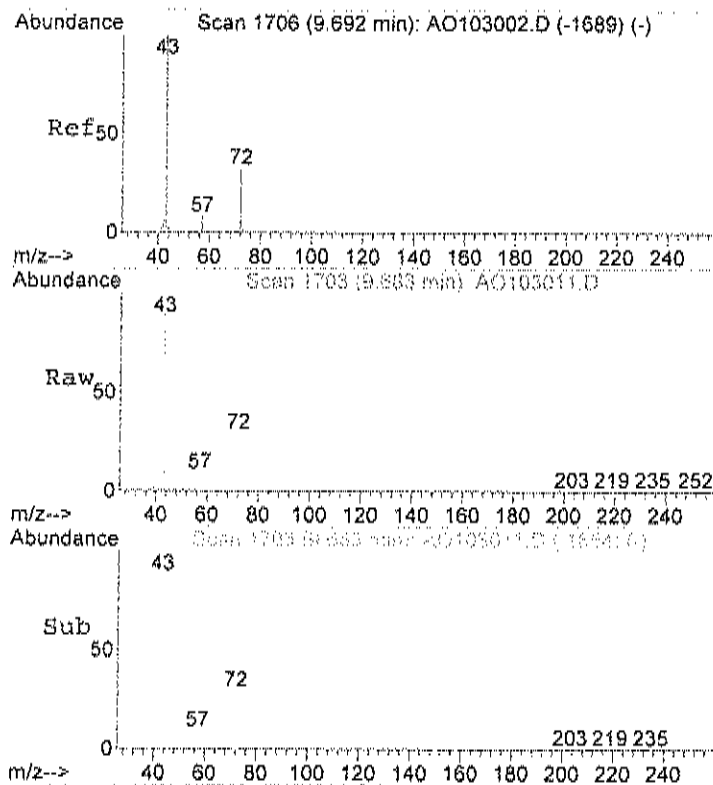
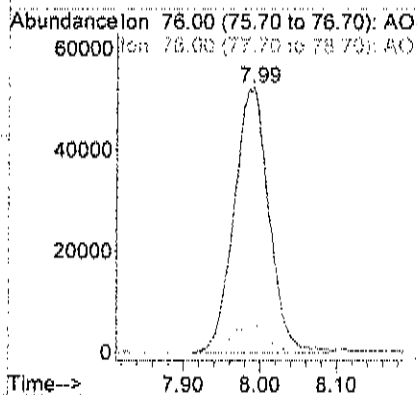
Tgt Ion: 84 Resp: 8685
Ion Ratio Lower Upper
84 100
49 104.2 85.0 125.0
86 64.7 38.9 78.9





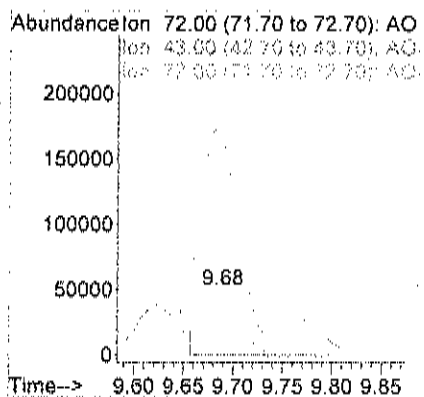
#23
Carbon disulfide
Concen: 1.89 ppb
RT: 7.99 min Scan# 1138
Delta R.T. 0.02 min
Lab File: AO103011.D
Acq: 30 Oct 2017 6:59 pm

Tgt Ion: 76 Resp: 166060
Ion Ratio Lower Upper
76 100
78 11.0 0.0 26.0

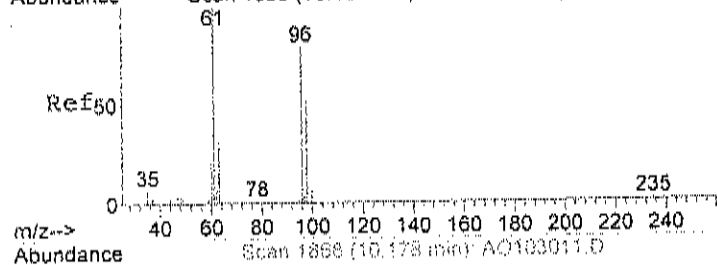


#28
Methyl Ethyl Ketone
Concen: 11.26 ppb
RT: 9.68 min Scan# 1703
Delta R.T. -0.00 min
Lab File: AO103011.D
Acq: 30 Oct 2017 6:59 pm

Tgt Ion: 72 Resp: 135891
Ion Ratio Lower Upper
72 100
43 0.0 267.6 307.6#
72 100.0 80.0 120.0



Abundance Scan 1869 (10.181 min): AO103002.D (-1847) (-)



#29

cis-1,2-dichloroethene

Concen: 0.81 ppb

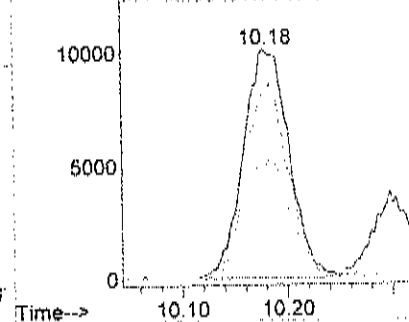
RT: 10.18 min Scan# 1868

Delta R.T. 0.00 min

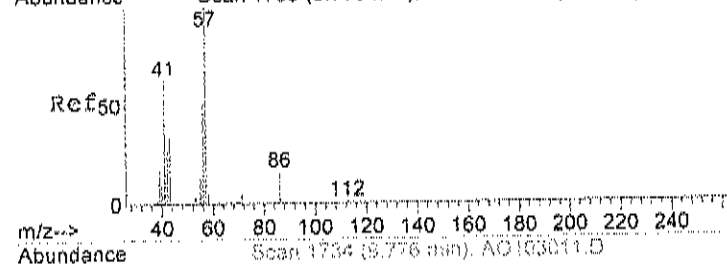
Lab File: AO103011.D

Acq: 30 Oct 2017 6:59 pm

| | | | |
|----------|-------|-------|-------|
| Tgt Ion: | 61 | Resp: | 30597 |
| Ion | Ratio | Lower | Upper |
| 61 | 100 | | |
| 96 | 81.0 | 60.3 | 100.3 |
| 98 | 52.6 | 30.5 | 70.5 |

Abundance Ion 61.00 (60.70 to 61.70): AO
Ion 96.00 (95.70 to 96.70): AO
Ion 98.00 (97.70 to 98.70): AO

Abundance Scan 1735 (9.779 min): AO103002.D (-1718) (-)



#30

Hexane

Concen: 3.62 ppb

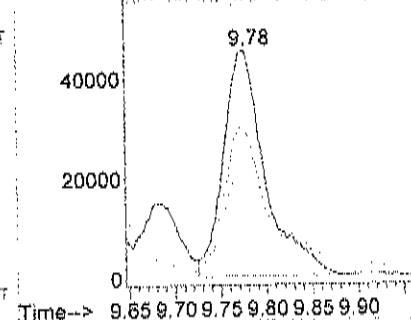
RT: 9.78 min Scan# 1734

Delta R.T. 0.01 min

Lab File: AO103011.D

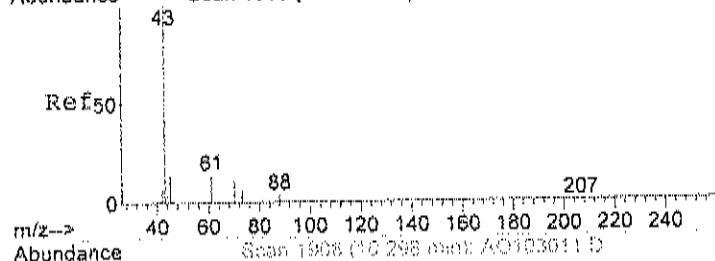
Acq: 30 Oct 2017 6:59 pm

| | | | |
|----------|-------|-------|--------|
| Tgt Ion: | 57 | Resp: | 142727 |
| Ion | Ratio | Lower | Upper |
| 57 | 100 | | |
| 41 | 70.5 | 63.5 | 103.5 |
| 56 | 44.8 | 37.2 | 77.2 |

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

m/z-->

Abundance Scan 1910 (10.304 min): AO103002.D (-1889) (-)



#31

Ethyl acetate

Concen: 1.06 ppb

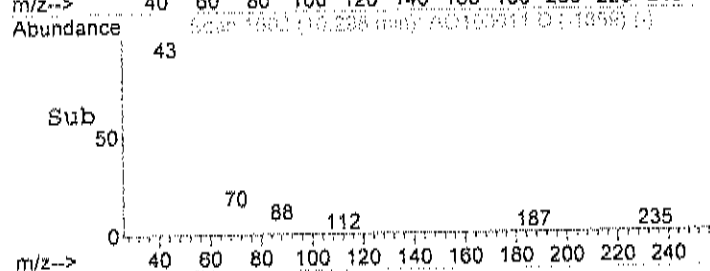
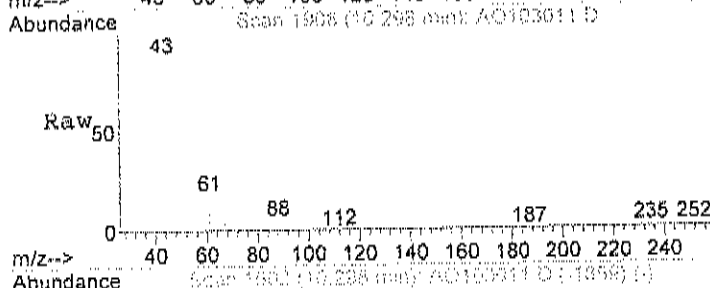
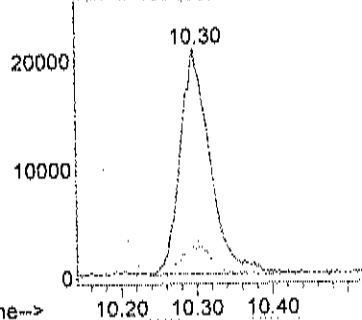
RT: 10.30 min Scan# 1908

Delta R.T. -0.00 min

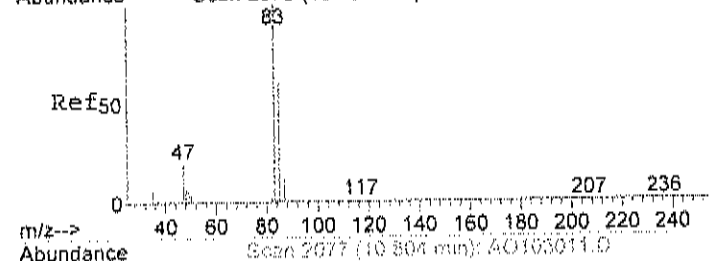
Lab File: AO103011.D

Acq: 30 Oct 2017 6:59 pm

| | | | |
|----------|-------|-------|--------|
| Tgt Ion: | 43 | Resp: | 571.00 |
| Ion | Ratio | Lower | Upper |
| 43 | 100 | | |
| 45 | 15.7 | 0.0 | 31.1 |
| 61 | 15.6 | 0.0 | 31.6 |

Abundance Ion 43.00 (42.70 to 43.70): AO
Ion 45.00 (44.70 to 45.70): AO
Ion 61.00 (60.70 to 61.70): AO

Abundance Scan 2075 (10.798 min): AO103002.D (-2050) (-)



#32

Chloroform

Concen: 0.14 ppb

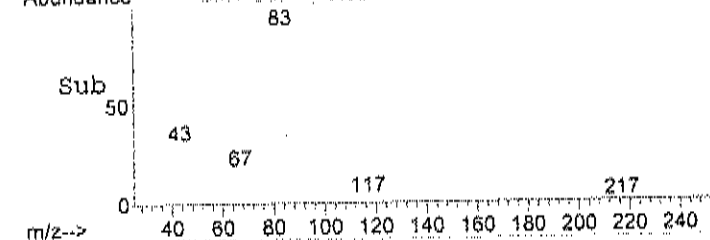
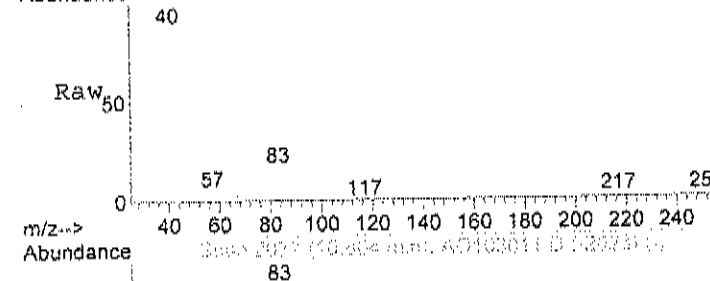
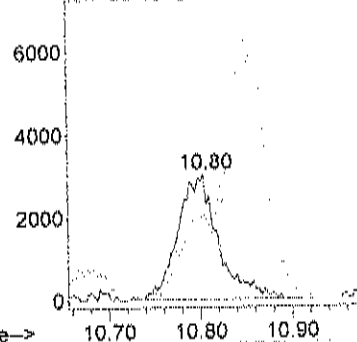
RT: 10.80 min Scan# 2077

Delta R.T. 0.01 min

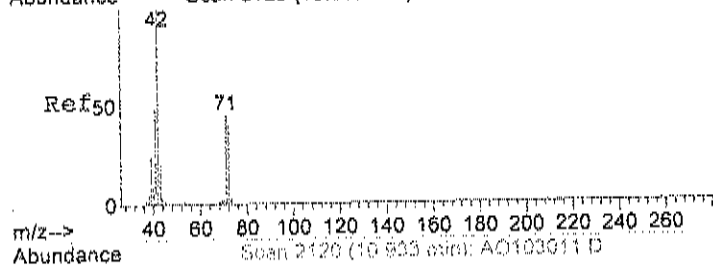
Lab File: AO103011.D

Acq: 30 Oct 2017 6:59 pm

| | | | |
|----------|-------|-------|-------|
| Tgt Ion: | 83 | Resp: | 9296 |
| Ion | Ratio | Lower | Upper |
| 83 | 100 | | |
| 85 | 51.0 | 46.6 | 86.6 |

Abundance Ion 83.00 (82.70 to 83.70): AO
Ion 85.00 (84.70 to 85.70): AO

Abundance Scan 2128 (10.957 min): AO103002.D (-2103) (-)



#33

Tetrahydrofuran

Concen: 6.96 ppb

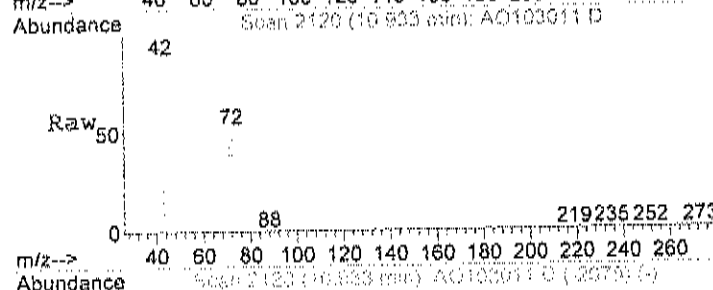
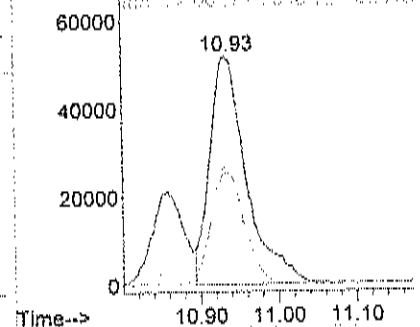
RT: 10.93 min Scan# 2120

Delta R.T. -0.02 min

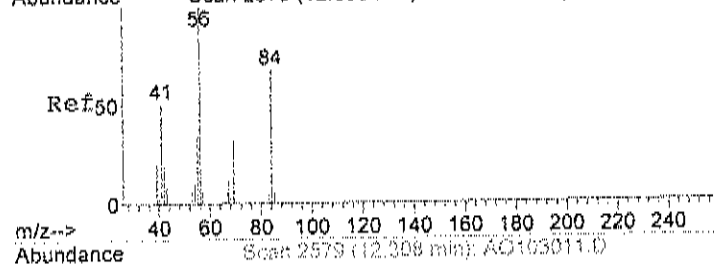
Lab File: AO103011.D

Acq: 30 Oct 2017 6:59 pm

| | | | |
|----------|-------|-------|--------|
| Tgt Ion: | 42 | Resp: | 169746 |
| Ion | Ratio | Lower | Upper |
| 42 | 100 | | |
| 71 | 45.5 | 27.8 | 67.8 |
| 72 | 47.0 | 22.0 | 62.0 |

Abundance Ion 42.00 (41.70 to 42.70): AO
Ion 71.00 (70.70 to 71.70): AO
Ion 72.00 (71.70 to 72.70): AO

Abundance Scan 2579 (12.308 min): AO103002.D (-2557) (-)



#37

Cyclohexane

Concen: 3.53 ppb

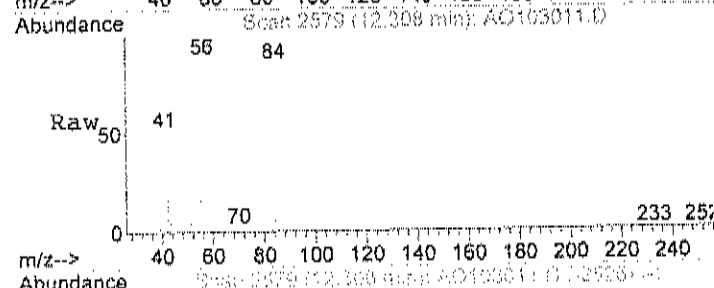
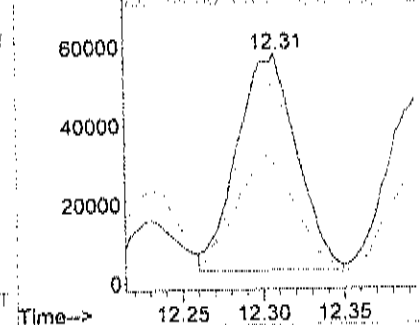
RT: 12.31 min Scan# 2579

Delta R.T. 0.01 min

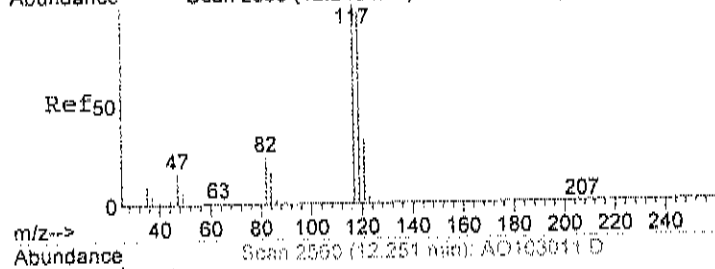
Lab File: AO103011.D

Acq: 30 Oct 2017 6:59 pm

| | | | |
|----------|-------|-------|--------|
| Tgt Ion: | 56 | Resp: | 140426 |
| Ion | Ratio | Lower | Upper |
| 56 | 100 | | |
| 41 | 53.1 | 31.5 | 71.5 |
| 84 | 97.9 | 61.0 | 101.0 |

Abundance Ion 56.00 (55.70 to 56.70): AO
Ion 41.00 (40.70 to 41.70): AO
Ion 84.00 (83.70 to 84.70): AO

Abundance Scan 2558 (12.245 min): AO103002.D (-2535) (-)



#38

Carbon tetrachloride

Concen: 0.08 ppb

RT: 12.25 min Scan# 2560

Delta R.T. 0.01 min

Lab File: AO103011.D

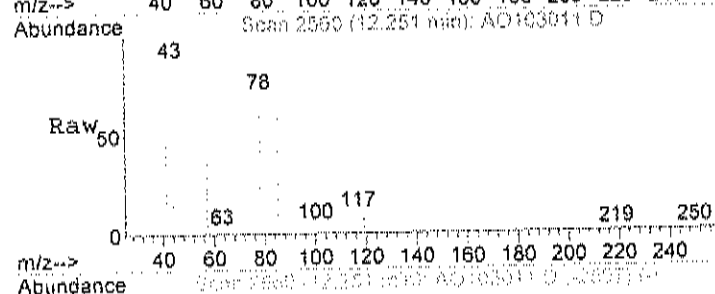
Acq: 30 Oct 2017 6:59 pm

Tgt Ion: 117 Resp: 6283

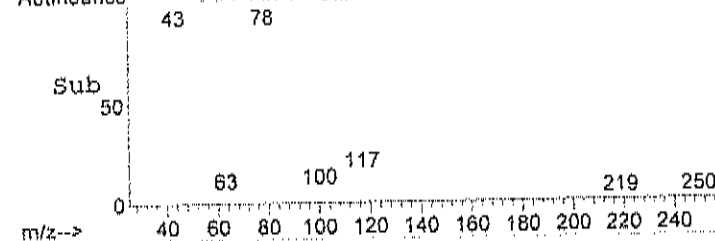
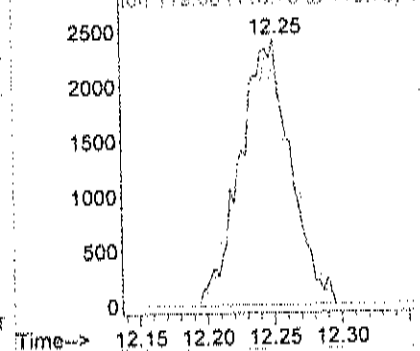
Ion Ratio Lower Upper

117 100

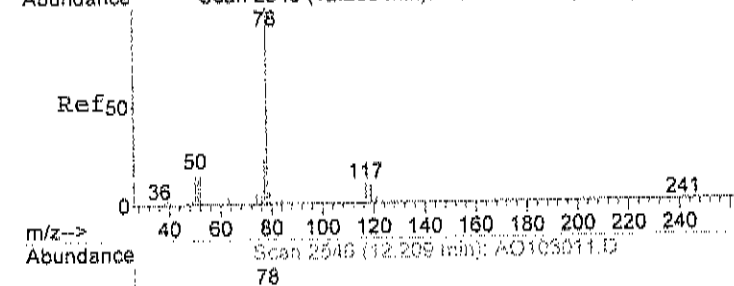
119 98.2 70.1 110.1



Abundance Ion 117.00 (116.70 to 117.70):



Abundance Scan 2546 (12.209 min): AO103002.D (-2524) (-)



#39

Benzene

Concen: 8.58 ppb

RT: 12.21 min Scan# 2546

Delta R.T. 0.00 min

Lab File: AO103011.D

Acq: 30 Oct 2017 6:59 pm

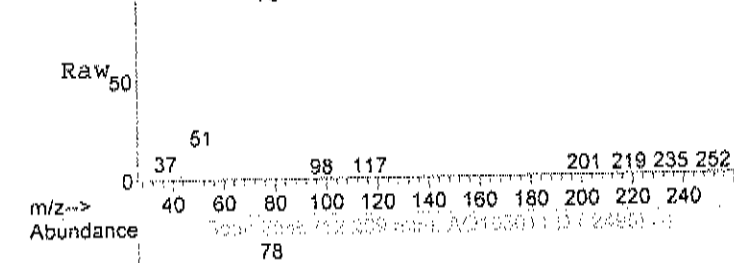
Tgt Ion: 78 Resp: 791454

Ion Ratio Lower Upper

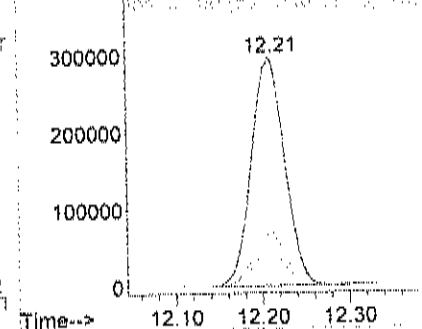
78 100

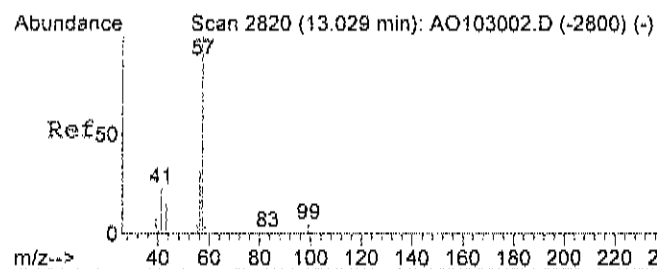
77 23.5 3.3 43.3

51 14.7 0.0 36.1



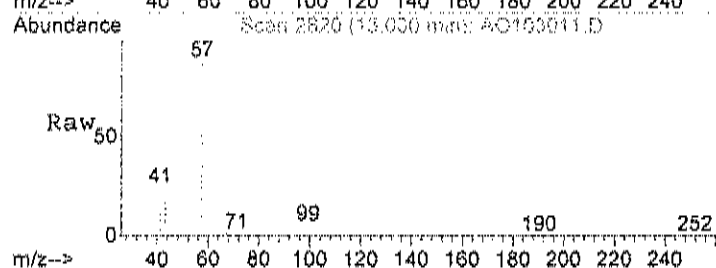
Abundance Ion 78.00 (77.70 to 78.70): AO



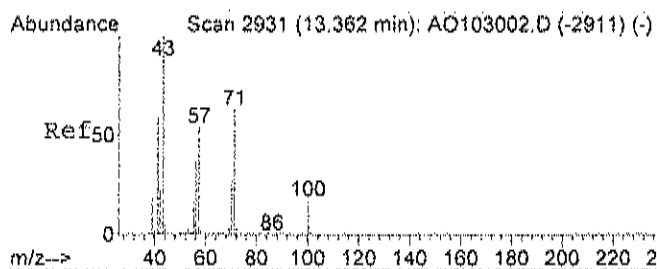
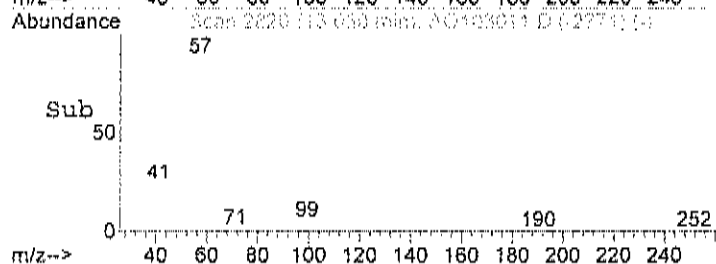
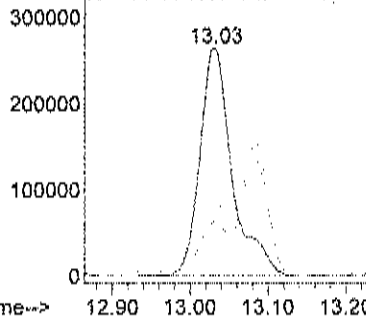


#42
2,2,4-trimethylpentane
Concen: 6.05 ppb
RT: 13.03 min Scan# 2820
Delta R.T. -0.00 min
Lab File: AO103011.D
Acq: 30 Oct 2017 6:59 pm

| Tgt Ion | 57 | Resp | 770667 |
|---------|-------|-------|--------|
| Ion | Ratio | Lower | Upper |
| 57 | 100 | | |
| 41 | 22.5 | 7.2 | 47.2 |
| 56 | 32.1 | 11.0 | 51.0 |

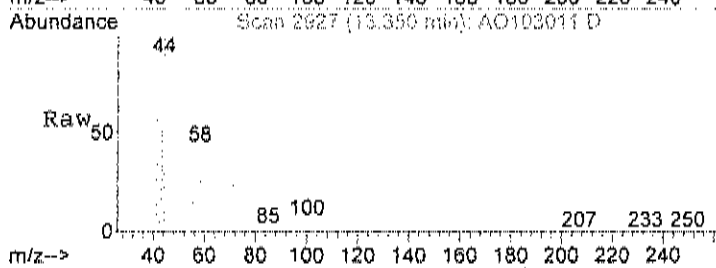


Abundance Ion 57.00 (56.70 to 57.70): AO
Ion 41.00 (40.70 to 41.70): AO
Ion 56.00 (55.70 to 56.70): AO

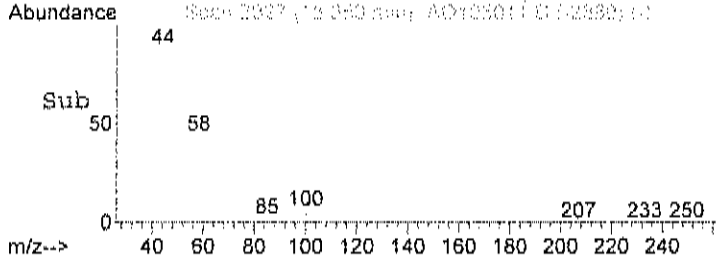
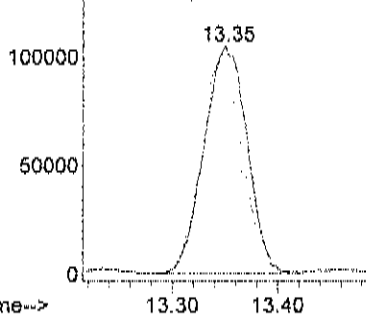


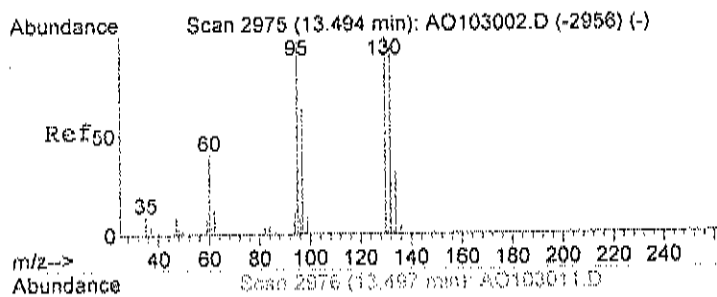
#43
Heptane
Concen: 6.67 ppb
RT: 13.35 min Scan# 2927
Delta R.T. -0.01 min
Lab File: AO103011.D
Acq: 30 Oct 2017 6:59 pm

| Tgt Ion | 43 | Resp | 296859 |
|---------|-------|-------|--------|
| Ion | Ratio | Lower | Upper |
| 43 | 100 | | |
| 57 | 90.4 | 33.9 | 73.9# |
| 71 | 42.0 | 38.3 | 78.3 |



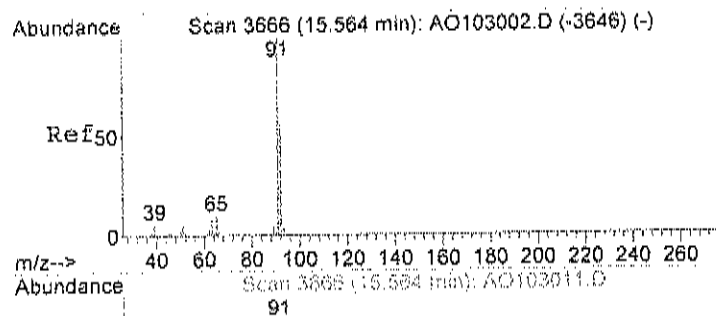
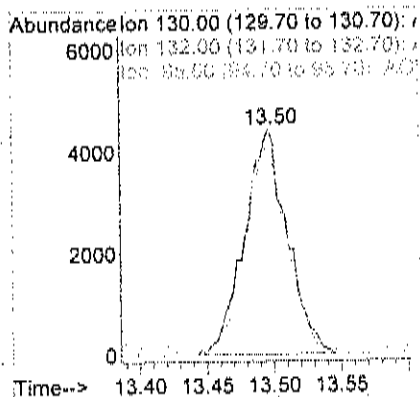
Abundance Ion 43.00 (42.70 to 43.70): AO
Ion 57.00 (56.70 to 57.70): AO
Ion 71.00 (70.70 to 71.70): AO





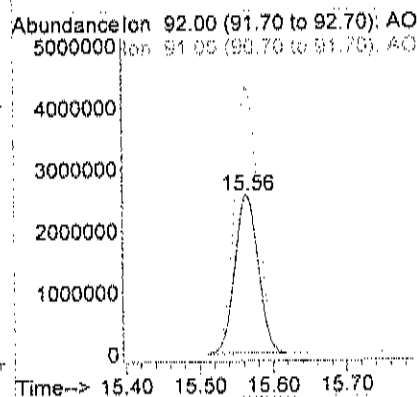
#44
Trichloroethene
Concen: 0.23 ppb
RT: 13.50 min Scan# 2976
Delta R.T. 0.01 min
Lab File: AO103011.D
Acq: 30 Oct 2017 6:59 pm

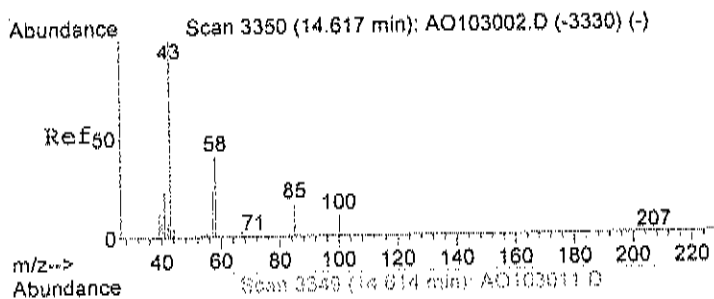
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130 | 100 | | |
| 132 | 92.5 | 82.7 | 122.7 |
| 95 | 107.2 | 87.5 | 127.5 |



#51
Toluene
Concen: 82.86 ppb
RT: 15.56 min Scan# 3666
Delta R.T. 0.00 min
Lab File: AO103011.D
Acq: 30 Oct 2017 6:59 pm

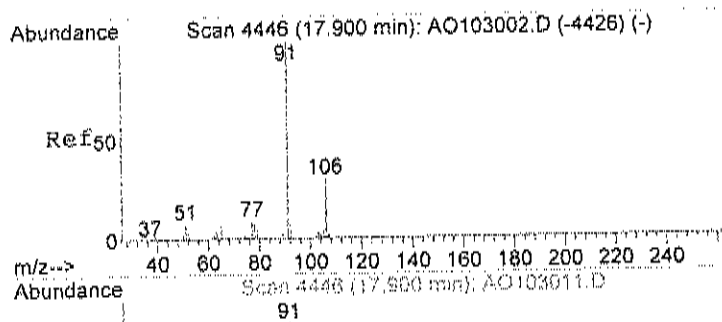
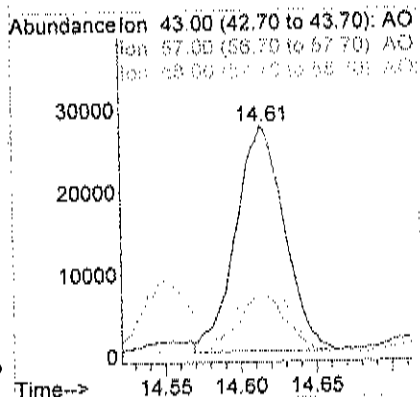
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 92 | 100 | | |
| 91 | 170.5 | 142.4 | 182.4 |





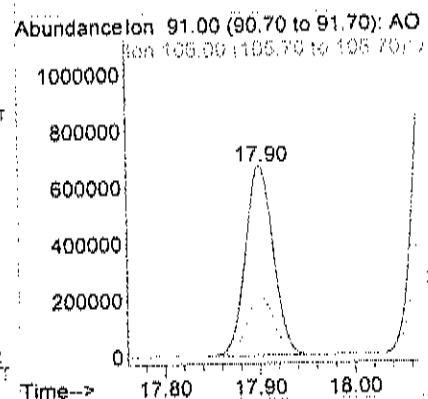
#52
Methyl Isobutyl Ketone
Concen: 1.39 ppb
RT: 14.61 min Scan# 3349
Delta R.T. -0.00 min
Lab File: AO103011.D
Acq: 30 Oct 2017 6:59 pm

| | | | |
|----------|-------|-------|-------|
| Tgt Ion: | 43 | Resp: | 61086 |
| Ion | Ratio | Lower | Upper |
| 43 | 100 | | |
| 57 | 25.7 | 1.2 | 41.2 |
| 58 | 40.1 | 16.4 | 56.4 |

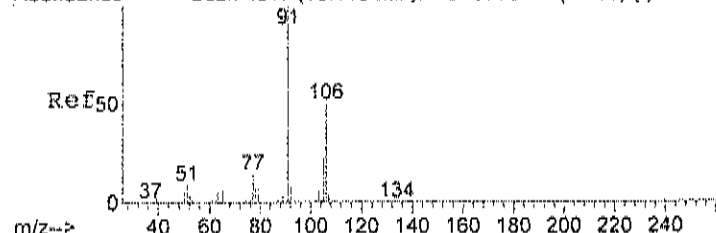


#58
Ethylbenzene
Concen: 9.01 ppb
RT: 17.90 min Scan# 4446
Delta R.T. -0.00 min
Lab File: AO103011.D
Acq: 30 Oct 2017 6:59 pm

| | | | |
|----------|-------|-------|---------|
| Tgt Ion: | 91 | Resp: | 1369469 |
| Ion | Ratio | Lower | Upper |
| 91 | 100 | | |
| 106 | 30.9 | 10.7 | 50.7 |



Abundance Scan 4517 (18.113 min): AO103002.D (-4488) (-)



#59

m&p-xylene

Concen: 37.45 ppb

RT: 18.08 min Scan# 4506

Delta R.T. -0.04 min

Lab File: AO103011.D

Acq: 30 Oct 2017 6:59 pm

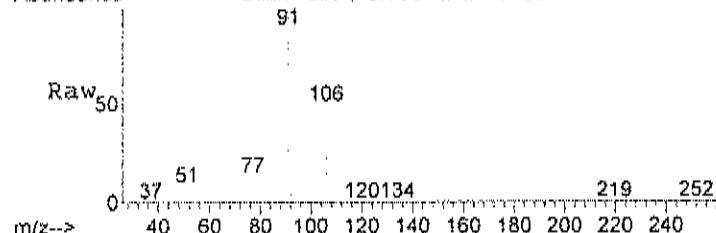
Tgt Ion: 91 Resp: 4075446

Ion Ratio Lower Upper

91 100

106 48.8 25.4 65.4

Abundance Scan 4506 (18.080 min): AO103011.D



Abundance Ion 91.00 (90.70 to 91.70): AO

Ion 106.00 (105.70 to 106.70):

18.08

1500000

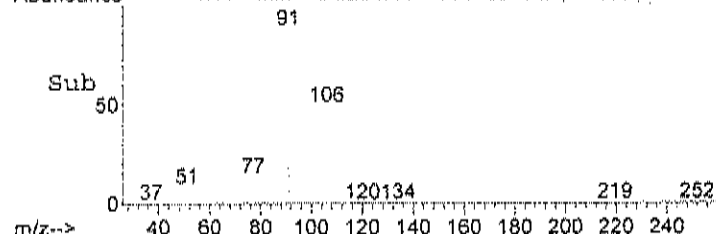
1000000

500000

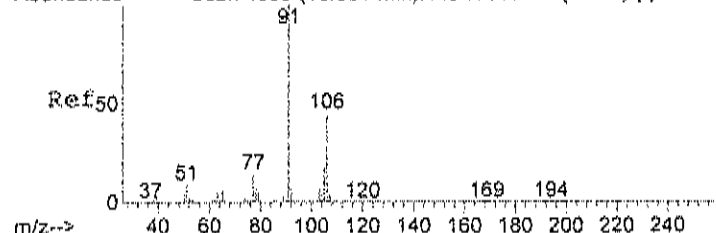
0

Time--> 18.00 18.10 18.20 18.30

Abundance Scan 4508 (18.020 min): AO103011.D (-4488) (-)



Abundance Scan 4680 (18.601 min): AO103002.D (-4658) (-)



#63

o-xylene

Concen: 11.52 ppb

RT: 18.60 min Scan# 4681

Delta R.T. -0.00 min

Lab File: AO103011.D

Acq: 30 Oct 2017 6:59 pm

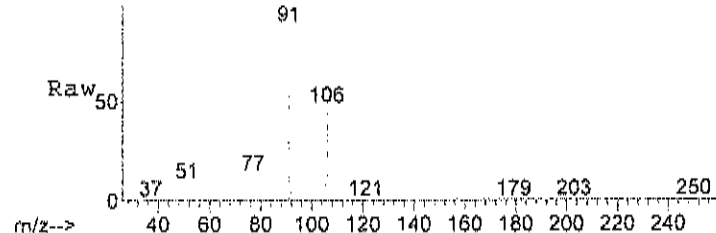
Tgt Ion: 91 Resp: 1366920

Ion Ratio Lower Upper

91 100

106 46.5 30.9 70.9

Abundance Scan 4681 (18.604 min): AO103011.D



Abundance Ion 91.00 (90.70 to 91.70): AO

Ion 106.00 (105.70 to 106.70):

18.60

600000

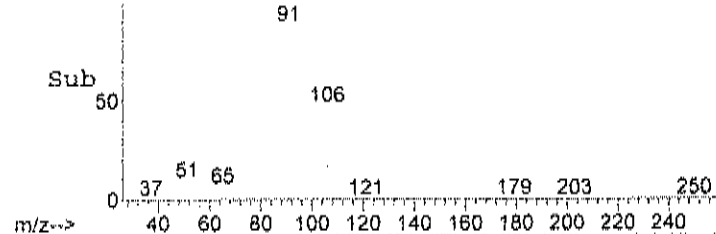
400000

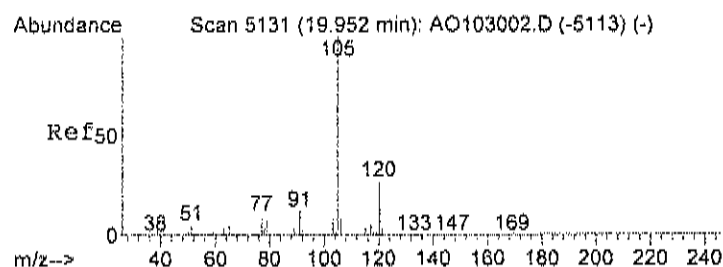
200000

0

Time--> 18.50 18.60 18.70

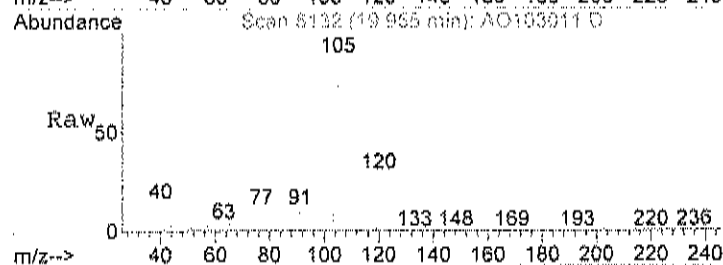
Abundance Scan 4683 (18.604 min): AO103011.D (-4658) (-)



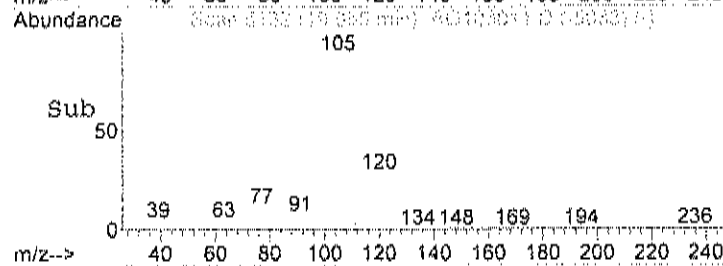
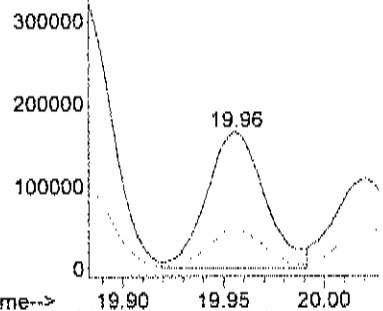


#69
4-ethyltoluene
Concen: 2.84 ppb
RT: 19.96 min Scan# 5132
Delta R.T. -0.00 min
Lab File: AO103011.D
Acq: 30 Oct 2017 6:59 pm

Tgt Ion: 105 Resp: 332024
Ion Ratio Lower Upper
105 100
120 28.0 10.5 50.5

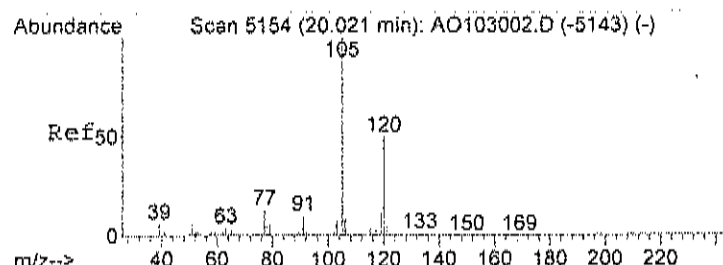


Abundance Ion 105.00 (104.70 to 105.70);
Ion 120.00 (119.70 to 120.70);

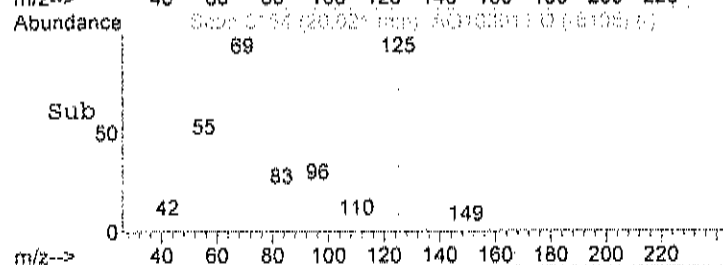
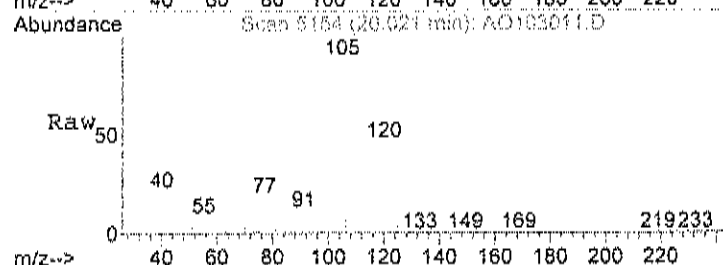
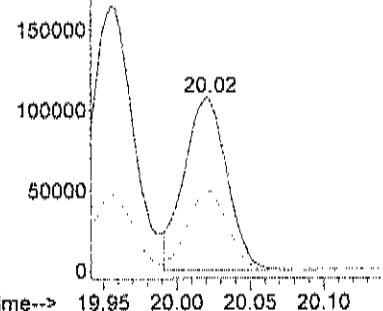


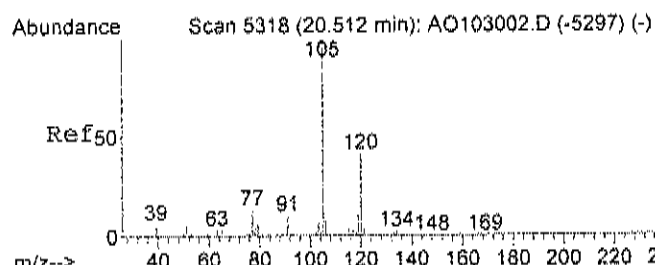
#70
1,3,5-trimethylbenzene
Concen: 2.10 ppb
RT: 20.02 min Scan# 5154
Delta R.T. -0.00 min
Lab File: AO103011.D
Acq: 30 Oct 2017 6:59 pm

Tgt Ion: 105 Resp: 218024
Ion Ratio Lower Upper
105 100
120 44.2 28.2 68.2



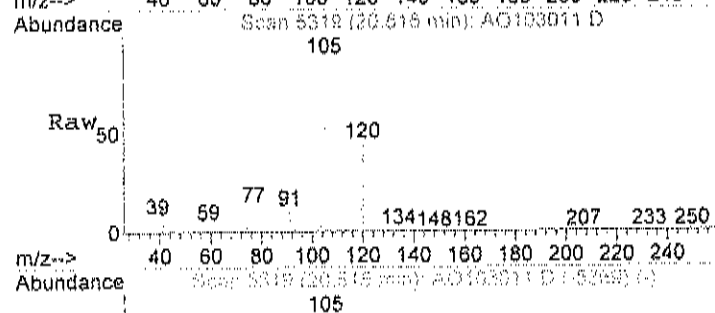
Abundance Ion 105.00 (104.70 to 105.70);
Ion 120.00 (119.70 to 120.70);



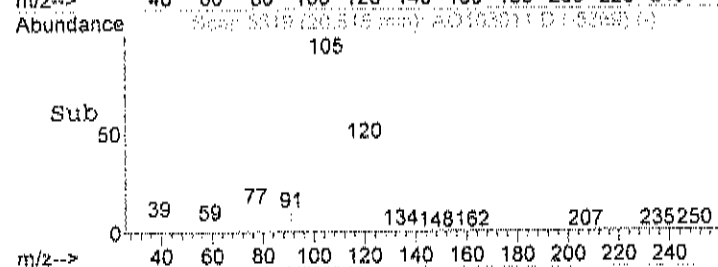
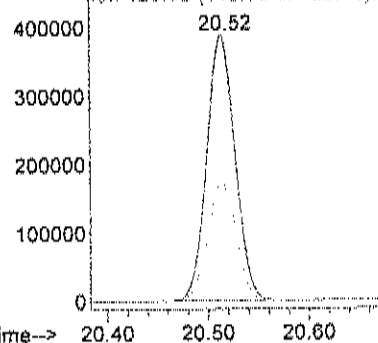


#71
1,2,4-trimethylbenzene
Concen: 9.78 ppb
RT: 20.52 min Scan# 5319
Delta R.T. -0.00 min
Lab File: AO103011.D
Acq: 30 Oct 2017 6:59 pm

| Tgt Ion | 105 | 120 | Resp | 754399 |
|-----------|-----|------|-------|--------|
| Ion Ratio | 100 | 44.9 | Lower | Upper |
| | | 27.6 | | 67.6 |

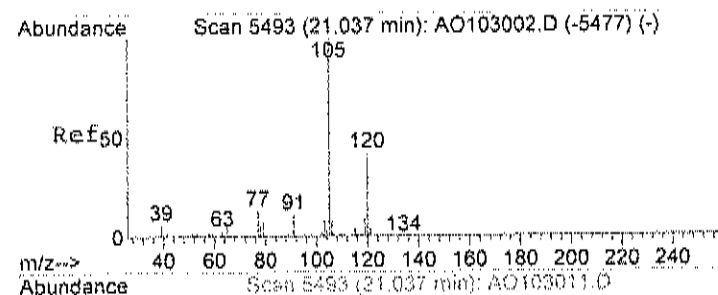


Abundance Ion 105.00 (104.70 to 105.70): /
Ion 120.00 (119.70 to 120.70): /

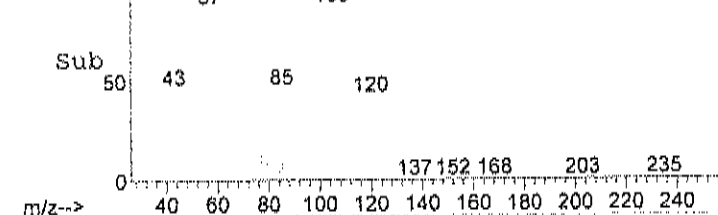
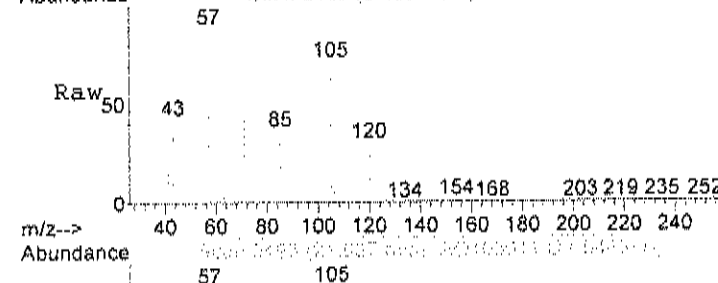
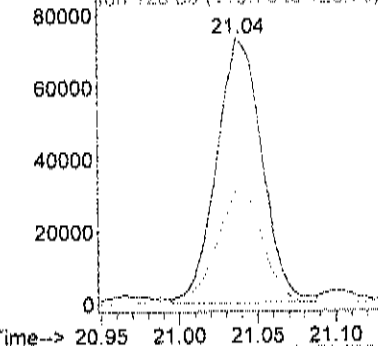


#75
1,2,3-trimethylbenzene
Concen: 1.55 ppb
RT: 21.04 min Scan# 5493
Delta R.T. -0.00 min
Lab File: AO103011.D
Acq: 30 Oct 2017 6:59 pm

| Tgt Ion | 105 | 120 | Resp | 147701 |
|-----------|-----|------|-------|--------|
| Ion Ratio | 100 | 44.9 | Lower | Upper |
| | | 31.3 | | 52.1 |



Abundance Ion 105.00 (104.70 to 105.70): /
Ion 120.00 (119.70 to 120.70): /



Data File : C:\HPCHEM\1\DATA2\AO103017.D

Vial: 33

Acq On : 31 Oct 2017 2:29 am

Operator: RJP

Sample : C1710061-005A 10x

Inst : MSD #1

Misc : AN30_1UG

Multiplr: 1.00

MS Integration Params: RTEINT.P

Quant Time: Oct 31 11:13:27 2017

Quant Results File: AN24_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\AN24_1UG.M (RTE Integrator)

Title : TO-15 VOA Standards for 5 point calibration

Last Update : Wed Oct 25 08:32:47 2017

Response via : Initial Calibration

DataAcq Meth : 1UG_RUN

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------|-------|------|----------|------|-------|----------|
| 1) Bromochloromethane | 10.63 | 128 | 18259 | 1.00 | ppb | 0.00 |
| 35) 1,4-difluorobenzene | 12.85 | 114 | 83706 | 1.00 | ppb | 0.00 |
| 50) Chlorobenzene-d5 | 17.58 | 117 | 73328 | 1.00 | ppb | 0.00 |

System Monitoring Compounds

| | | | | | | |
|------------------------|-------|-------|----------|----------|-----|--------|
| 65) Bromofluorobenzene | 19.31 | 95 | 48388 | 0.98 | ppb | 0.00 |
| Spiked Amount | 1.000 | Range | 70 - 130 | Recovery | = | 98.00% |

Target Compounds

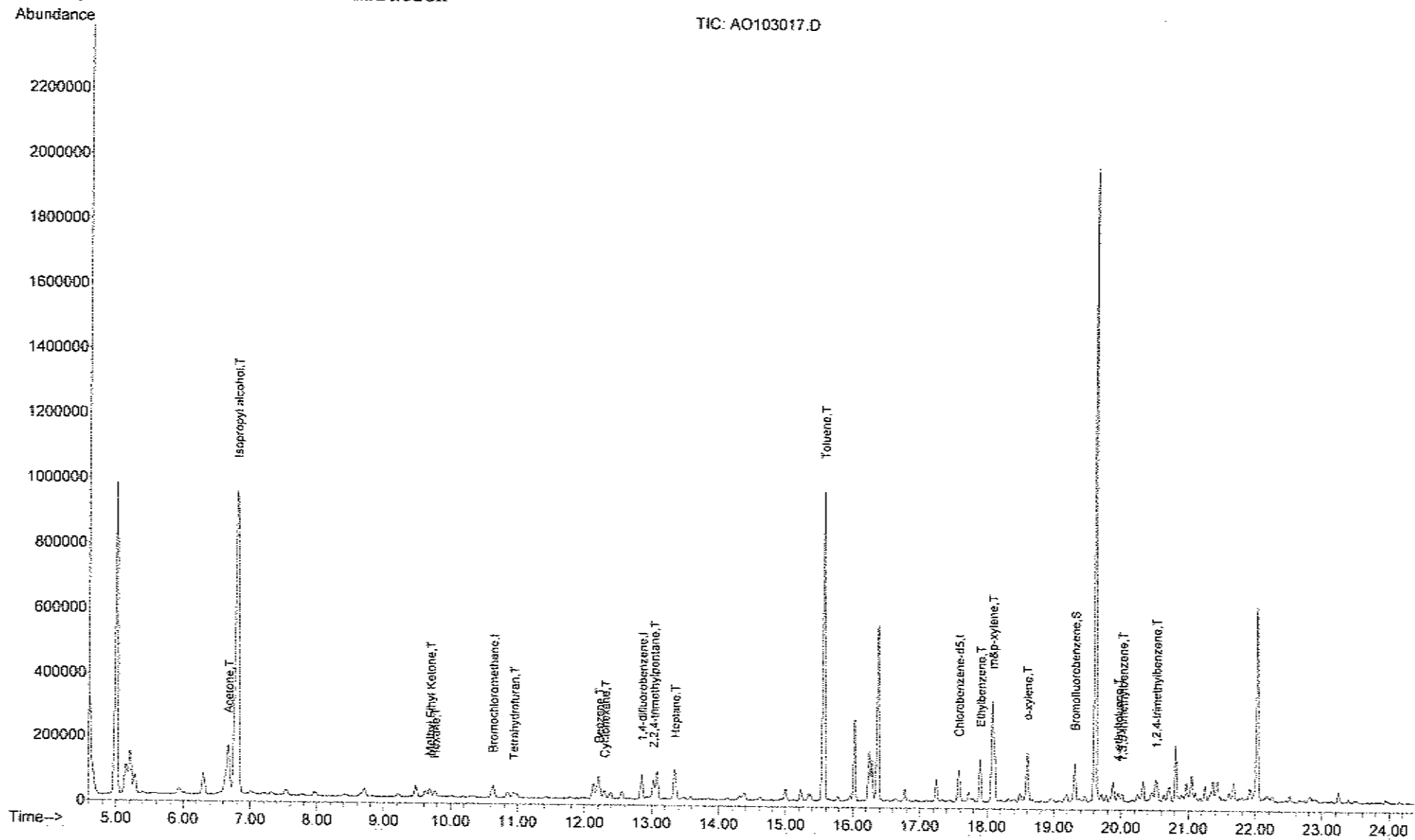
| | | | | | | Qvalue |
|----------------------------|-------|-----|---------|-------|-----|--------|
| 15) Acetone | 6.67 | 58 | 132706 | 16.67 | ppb | # 39 |
| 17) Isopropyl alcohol | 6.78 | 45 | 1350525 | 54.60 | ppb | # 33 |
| 28) Methyl Ethyl Ketone | 9.68 | 72 | 13028 | 1.29 | ppb | # 80 |
| 30) Hexane | 9.77 | 57 | 13534 | 0.41 | ppb | 87 |
| 33) Tetrahydrofuran | 10.94 | 42 | 16459 | 0.81 | ppb | 93 |
| 37) Cyclohexane | 12.30 | 56 | 13047 | 0.39 | ppb | 84 |
| 39) Benzene | 12.20 | 78 | 77626 | 1.01 | ppb | 98 |
| 42) 2,2,4-trimethylpentane | 13.03 | 57 | 74733 | 0.70 | ppb | 92 |
| 43) Heptane | 13.35 | 43 | 28258 | 0.76 | ppb | # 67 |
| 51) Toluene | 15.56 | 92 | 517806 | 9.82 | ppb | 90 |
| 58) Ethylbenzene | 17.90 | 91 | 118136 | 1.01 | ppb | 100 |
| 59) m&p-xylene | 18.08 | 91 | 333384 | 3.98 | ppb | 96 |
| 63) o-xylene | 18.60 | 91 | 113717 | 1.25 | ppb | 93 |
| 69) 4-ethyltoluene | 19.96 | 105 | 18990 | 0.21 | ppb | 99 |
| 70) 1,3,5-trimethylbenzene | 20.02 | 105 | 13387 | 0.17 | ppb | 93 |
| 71) 1,2,4-trimethylbenzene | 20.51 | 105 | 39259 | 0.66 | ppb | 95 |

Data File : C:\HPCHEM\1\DATA2\AO103017.D
Acq On : 31 Oct 2017 2:29 am
Sample : C1710061-005A 10x
Misc : AN30_1UG
MS Integration Params: RTEINT.P
Quant Time: Nov 2 12:59 2017

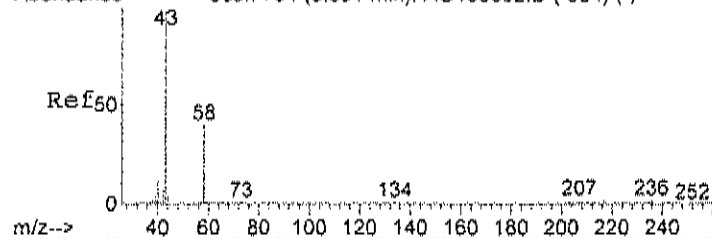
Vial: 33
Operator: RJP
Inst : MSD #1
Multiplr: 1.00

Quant Results File: AN24_1UG.RES

Method : C:\HPCHEM\1\METHODS\AN24_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Mon Nov 20 08:43:22 2017
Response via : Initial Calibration



Scan 704 (6.691 min): AO103002.D (-684) (-)



#15

Acetone

Concen: 16.67 ppb

RT: 6.67 min Scan# 696

Delta R.T. -0.01 min

Lab File: AO103017.D

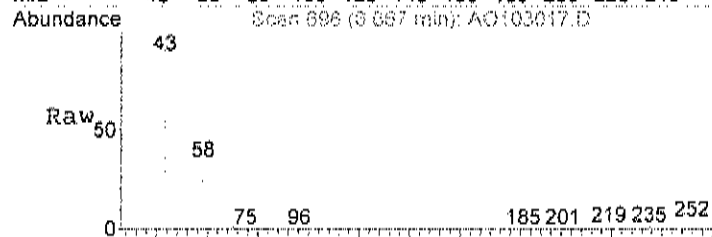
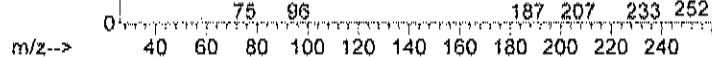
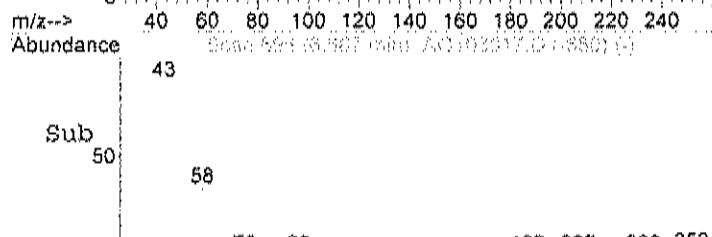
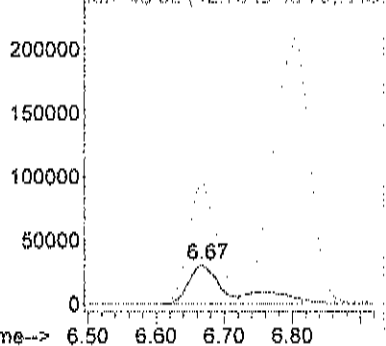
Acq: 31 Oct 2017 2:29 am

Tgt Ion: 58 Resp: 132706

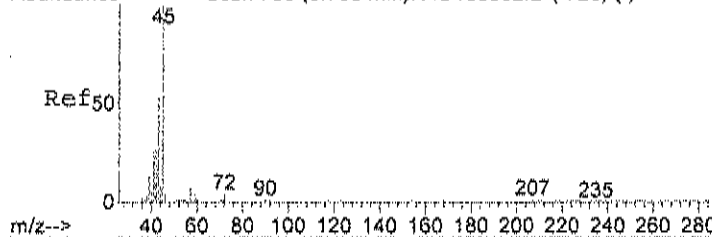
Ion Ratio Lower Upper

58 100

43 208.6 308.4 368.4#

Abundance Ion 58.00 (57.70 to 58.70): AO
Ion 43.00 (42.70 to 43.70): AO

Scan 739 (6.796 min): AO103002.D (-720) (-)



#17

Isopropyl alcohol

Concen: 54.60 ppb

RT: 6.78 min Scan# 733

Delta R.T. -0.01 min

Lab File: AO103017.D

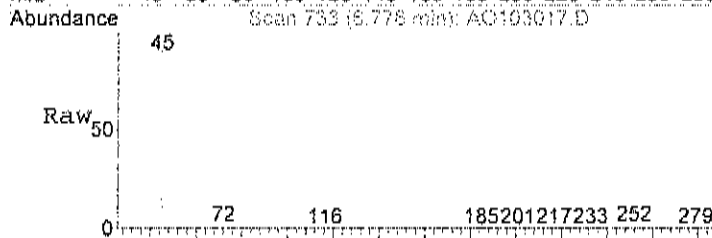
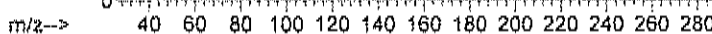
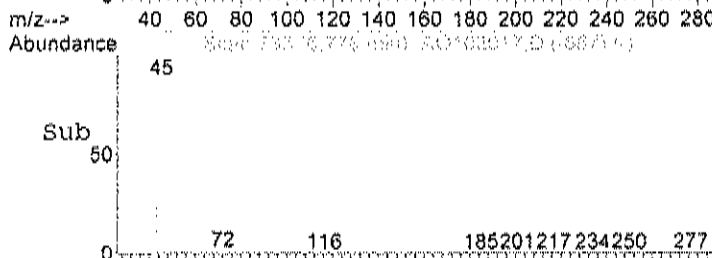
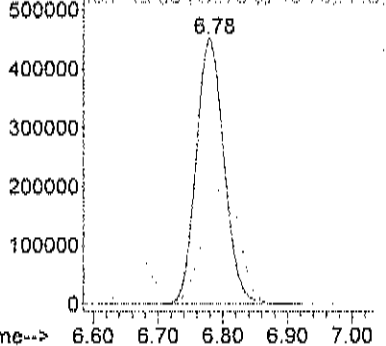
Acq: 31 Oct 2017 2:29 am

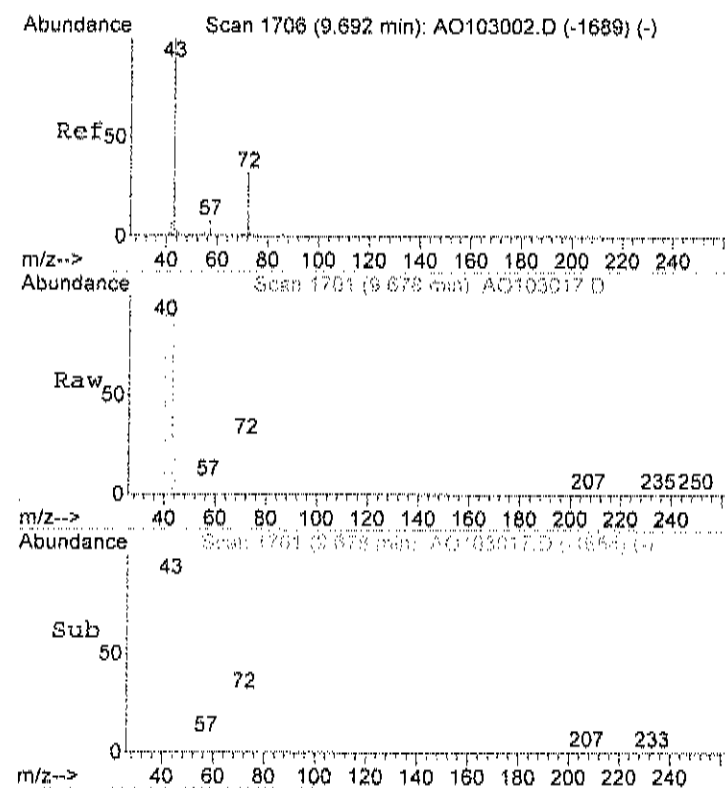
Tgt Ion: 45 Resp: 1350525

Ion Ratio Lower Upper

45 100

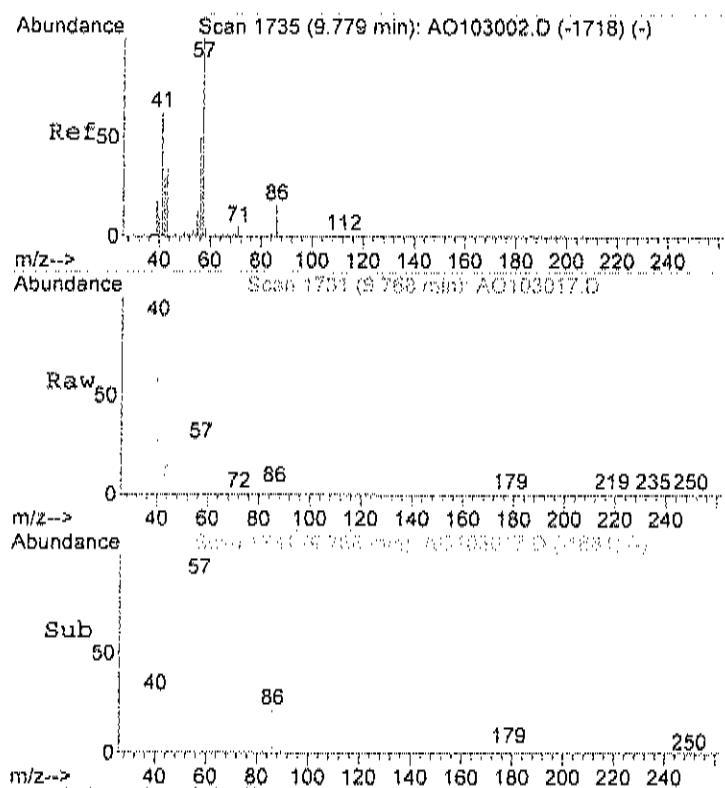
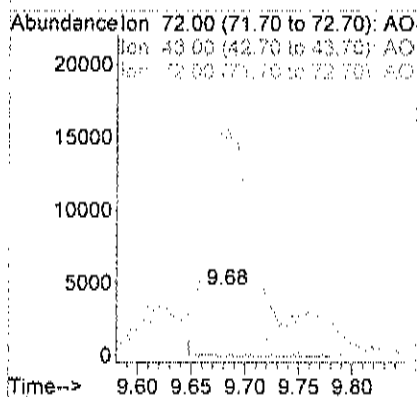
43 57.4 4.3 44.3#

Abundance Ion 45.00 (44.70 to 45.70): AO
Ion 43.00 (42.70 to 43.70): AO



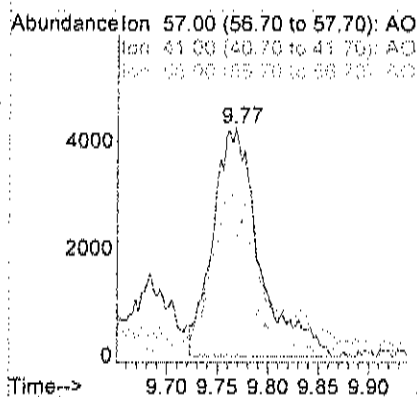
#28
Methyl Ethyl Ketone
Concen: 1.29 ppb
RT: 9.68 min Scan# 1701
Delta R.T. -0.01 min
Lab File: AO103017.D
Acq: 31 Oct 2017 2:29 am

| Tgt Ion | 72 | Resp | 13028 |
|---------|-------|-------|--------|
| Ion | Ratio | Lower | Upper |
| 72 | 100 | | |
| 43 | 339.7 | 267.6 | 307.6# |
| 72 | 100.0 | 80.0 | 120.0 |

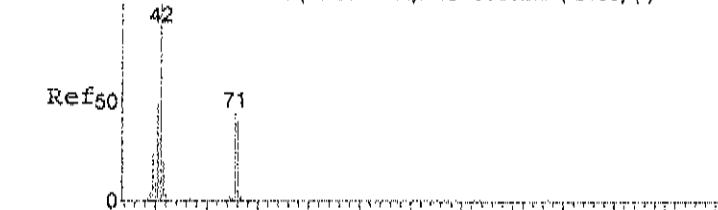


#30
Hexane
Concen: 0.41 ppb
RT: 9.77 min Scan# 1731
Delta R.T. -0.00 min
Lab File: AO103017.D
Acq: 31 Oct 2017 2:29 am

| Tgt Ion | 57 | Resp | 13534 |
|---------|-------|-------|-------|
| Ion | Ratio | Lower | Upper |
| 57 | 100 | | |
| 41 | 71.9 | 63.5 | 103.5 |
| 56 | 48.3 | 37.2 | 77.2 |



Abundance Scan 2128 (10.957 min): AO103002.D (-2103) (-)



#33

Tetrahydrofuran

Concen: 0.81 ppb

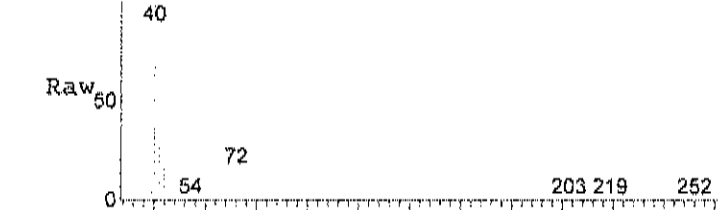
RT: 10.94 min Scan# 2122

Delta R.T. -0.01 min

Lab File: AO103017.D

Acq: 31 Oct 2017 2:29 am

m/z--> Abundance Scan 2122 (10.939 min): AO103017.D



Tgt Ion: 42 Resp: 16459

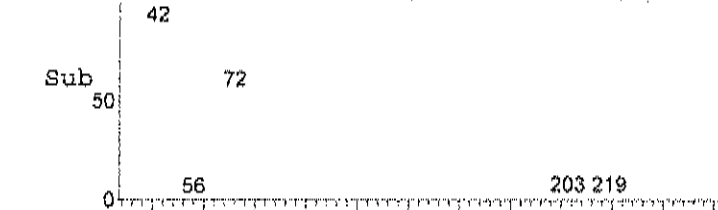
Ion Ratio Lower Upper

42 100

71 39.8 27.8 67.8

72 42.5 22.0 62.0

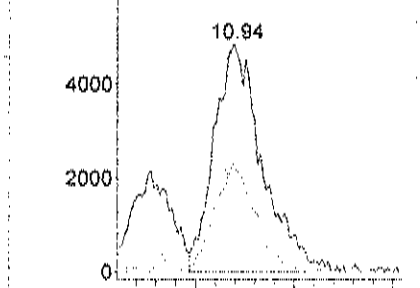
m/z--> Abundance Scan 2122 (10.939 min): AO103017.D (-2075) (-)



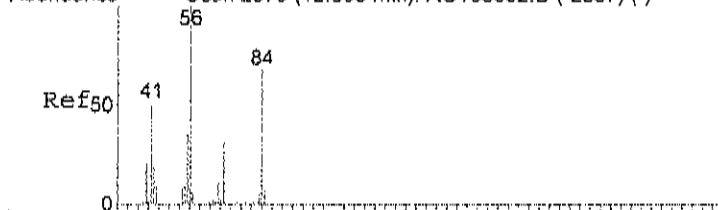
Abundance Ion 42.00 (41.70 to 42.70): AO

Ion 71.00 (70.70 to 71.70): AO

Ion 72.00 (71.70 to 72.70): AO



Abundance Scan 2579 (12.308 min): AO103002.D (-2557) (-)



#37

Cyclohexane

Concen: 0.39 ppb

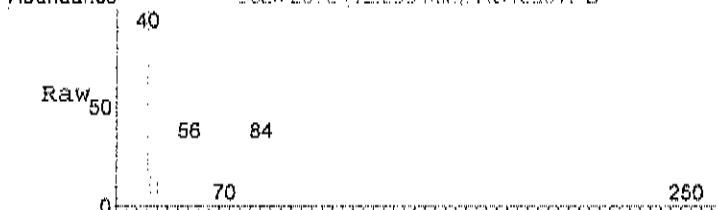
RT: 12.30 min Scan# 2575

Delta R.T. -0.00 min

Lab File: AO103017.D

Acq: 31 Oct 2017 2:29 am

m/z--> Abundance Scan 2575 (12.298 min): AO103017.D



Tgt Ion: 56 Resp: 13047

Ion Ratio Lower Upper

56 100

41 56.8 31.5 71.5

84 100.4 61.0 101.0

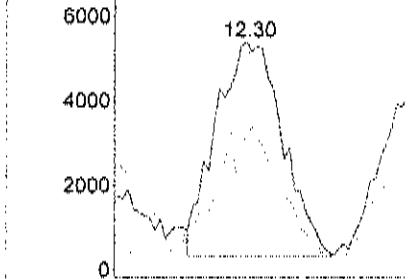
m/z--> Abundance Scan 2575 (12.298 min): AO103017.D (-2535) (-)



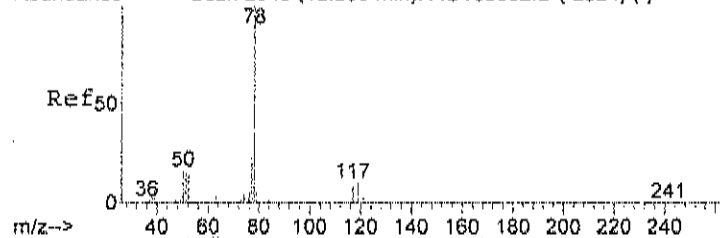
Abundance Ion 56.00 (55.70 to 56.70): AO

Ion 41.00 (40.70 to 41.70): AO

Ion 84.00 (83.70 to 84.70): AO



Abundance Scan 2546 (12.209 min): AO103002.D (-2524) (-)



#39

Benzene

Concen: 1.01 ppb

RT: 12.20 min Scan# 2543

Delta R.T. -0.01 min

Lab File: AO103017.D

Acq: 31 Oct 2017 2:29 am

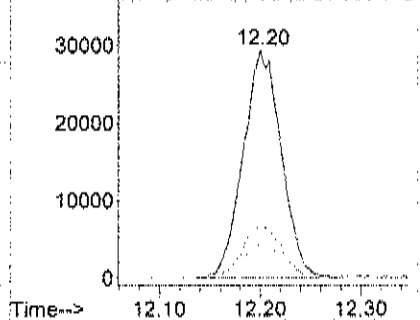
Tgt Ion: 78 Resp: 77626

Ion Ratio Lower Upper

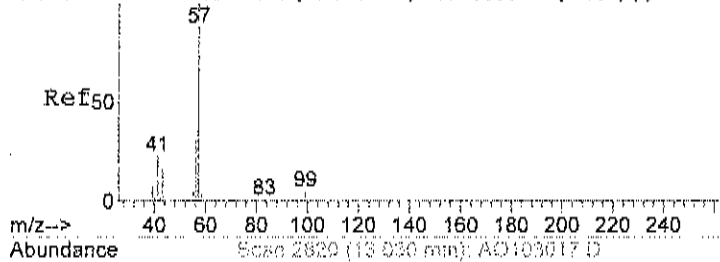
78 100

77 23.9 3.3 43.3

51 15.1 0.0 36.1

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

Abundance Scan 2820 (13.029 min): AO103002.D (-2800) (-)



#42

2,2,4-trimethylpentane

Concen: 0.70 ppb

RT: 13.03 min Scan# 2820

Delta R.T. -0.00 min

Lab File: AO103017.D

Acq: 31 Oct 2017 2:29 am

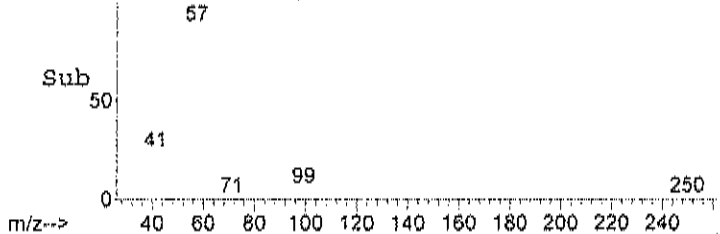
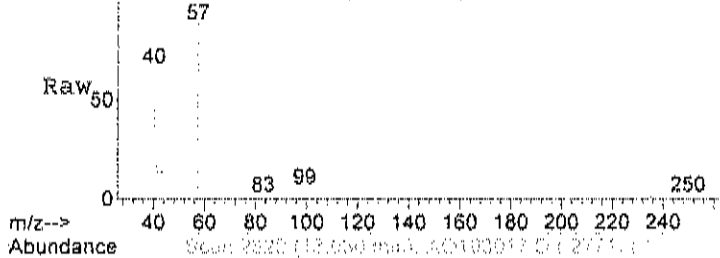
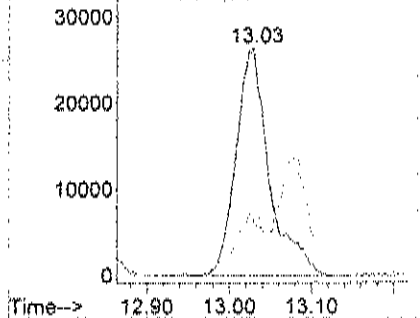
Tgt Ion: 57 Resp: 74733

Ion Ratio Lower Upper

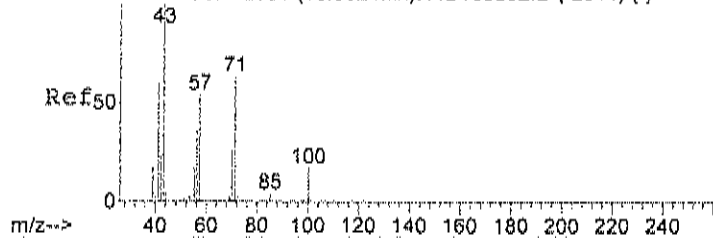
57 100

41 21.4 7.2 47.2

56 34.2 11.0 51.0

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

Abundance Scan 2931 (13.362 min): AO103002.D (-2911) (-)



#43

Heptane

Concen: 0.76 ppb

RT: 13.35 min Scan# 2927

Delta R.T. -0.01 min

Lab File: AO103017.D

Acq: 31 Oct 2017 2:29 am

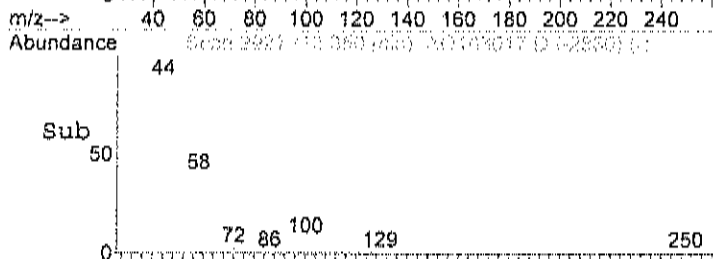
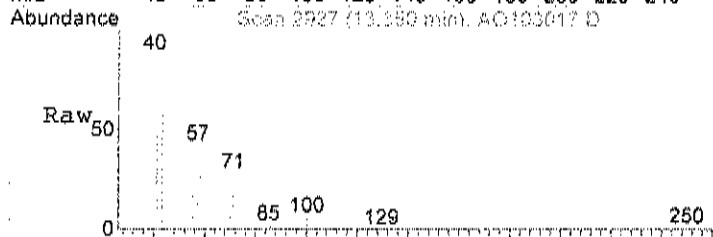
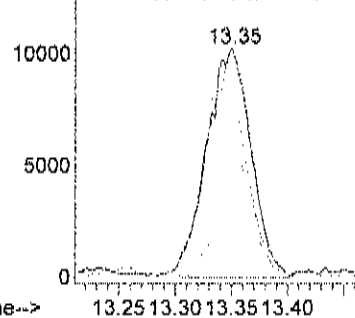
Tgt Ion: 43 Resp: 28258

Ion Ratio Lower Upper

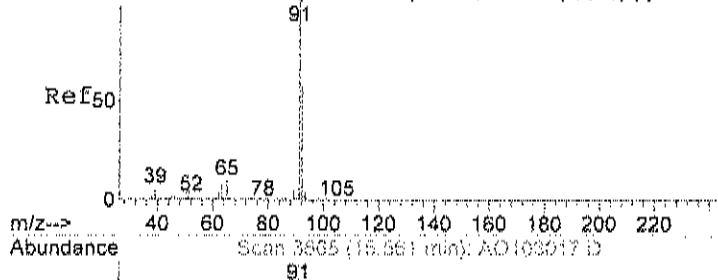
43 100

57 85.2 33.9 73.9#

71 41.5 38.3 78.3

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

Abundance Scan 3666 (15.564 min): AO103002.D (-3646) (-)



#51

Toluene

Concen: 9.82 ppb

RT: 15.56 min Scan# 3665

Delta R.T. -0.00 min

Lab File: AO103017.D

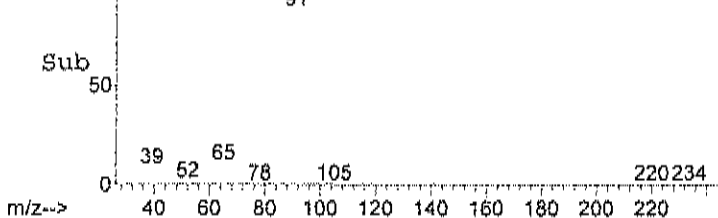
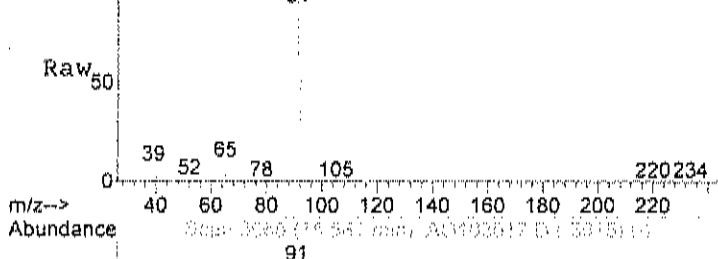
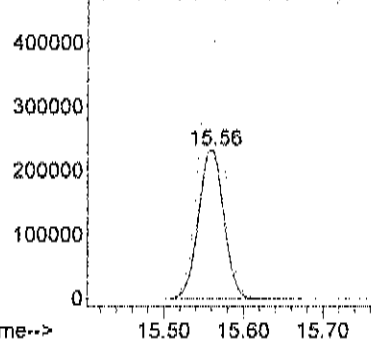
Acq: 31 Oct 2017 2:29 am

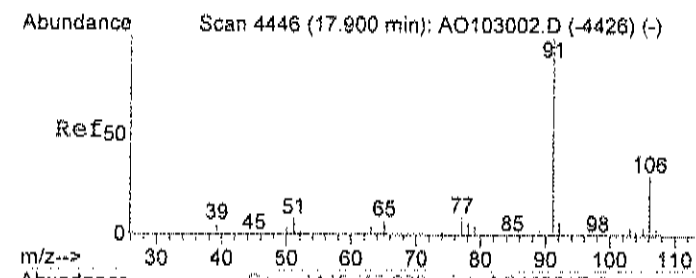
Tgt Ion: 92 Resp: 517806

Ion Ratio Lower Upper

92 100

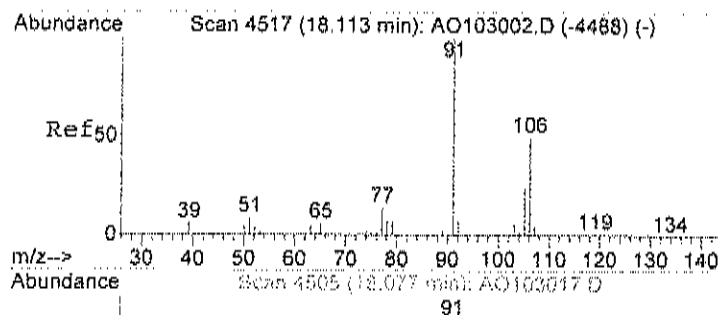
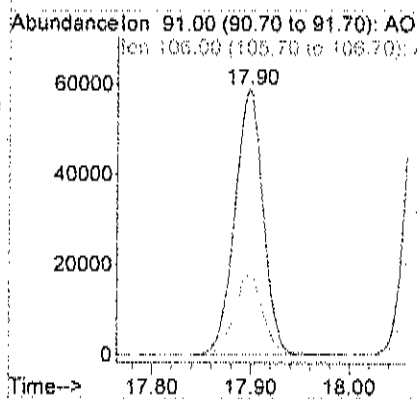
91 175.9 142.4 182.4

Abundance Ion 92.00 (91.70 to 92.70): AO
Ion 91.00 (90.70 to 91.70): AO



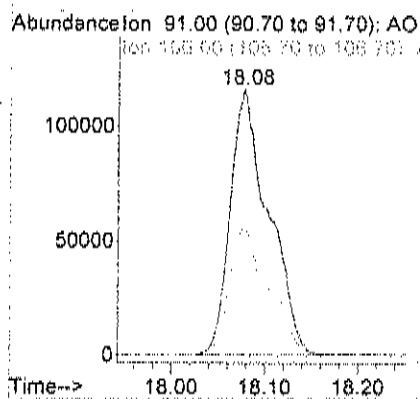
#58
Ethylbenzene
Concen: 1.01 ppb
RT: 17.90 min Scan# 4445
Delta R.T. -0.00 min
Lab File: AO103017.D
Acq: 31 Oct 2017 2:29 am

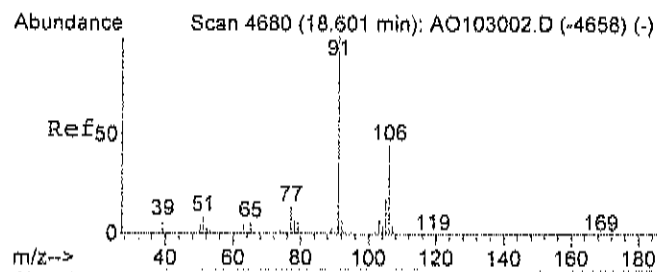
Tgt Ion: 91 Resp: 118136
Ion Ratio Lower Upper
91 100
106 30.5 10.7 50.7



#59
m&p-xylene
Concen: 3.98 ppb
RT: 18.08 min Scan# 4505
Delta R.T. -0.04 min
Lab File: AO103017.D
Acq: 31 Oct 2017 2:29 am

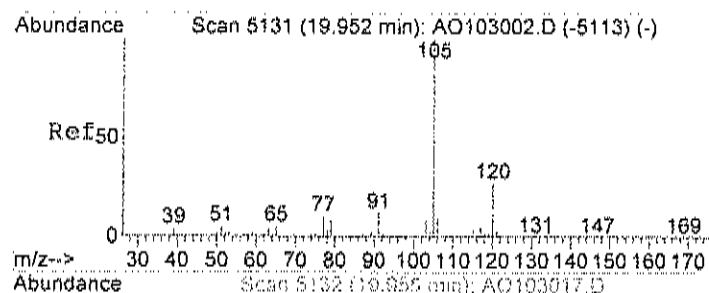
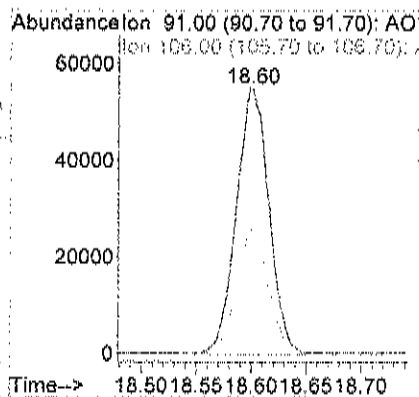
Tgt Ion: 91 Resp: 333384
Ion Ratio Lower Upper
91 100
106 48.1 25.4 65.4





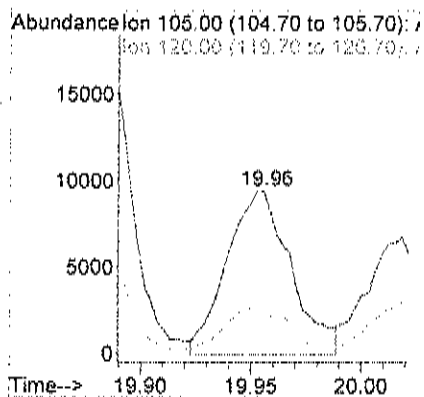
#63
o-xylene
Concen: 1.25 ppb
RT: 18.60 min Scan# 4679
Delta R.T. -0.01 min
Lab File: AO103017.D
Acq: 31 Oct 2017 2:29 am

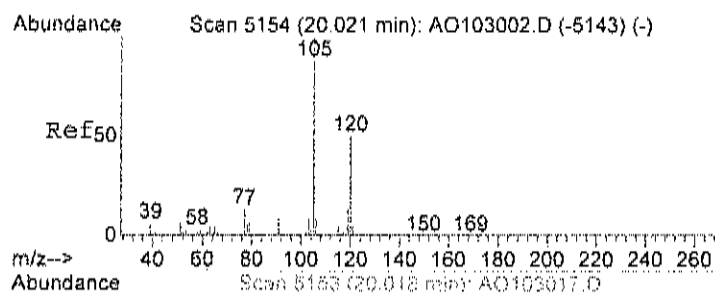
Tgt Ion: 91 Resp: 113717
Ion Ratio Lower Upper
91 100
106 45.7 30.9 70.9



#69
4-ethyltoluene
Concen: 0.21 ppb
RT: 19.96 min Scan# 5132
Delta R.T. -0.00 min
Lab File: AO103017.D
Acq: 31 Oct 2017 2:29 am

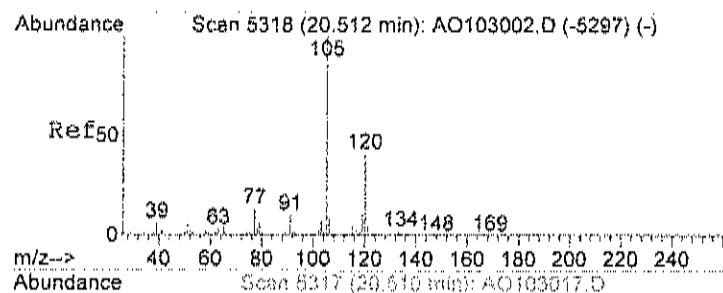
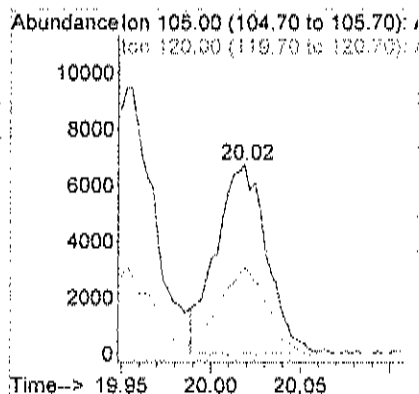
Tgt Ion: 105 Resp: 18990
Ion Ratio Lower Upper
105 100
120 31.1 10.5 50.5





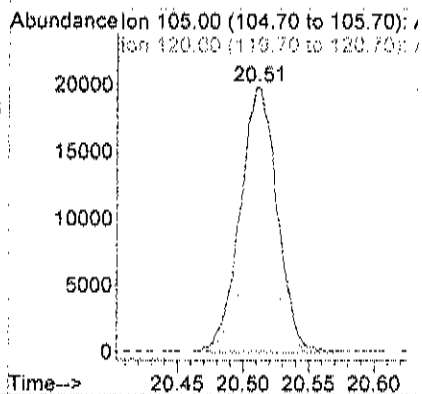
#70
1,3,5-trimethylbenzene
Concen: 0.17 ppb
RT: 20.02 min Scan# 5153
Delta R.T. -0.01 min
Lab File: AO103017.D
Acq: 31 Oct 2017 2:29 am

Tgt Ion:105 Resp: 13387
Ion Ratio Lower Upper
105 100
120 43.2 28.2 68.2



#71
1,2,4-trimethylbenzene
Concen: 0.66 ppb
RT: 20.51 min Scan# 5317
Delta R.T. -0.01 min
Lab File: AO103017.D
Acq: 31 Oct 2017 2:29 am

Tgt Ion:105 Resp: 39259
Ion Ratio Lower Upper
105 100
120 44.0 27.6 67.6



Data File : C:\HPCHEM\1\DATA2\AO103021.D
 Acq On : 31 Oct 2017 9:01 am
 Sample : C1710061-005A 270x
 Misc : AN30_1UG
 MS Integration Params: RTEINT.P
 Quant Time: Oct 31 11:13:31 2017

Vial: 37
 Operator: RJP
 Inst : MSD #1
 Multiplr: 1.00

Quant Results File: AN24_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\AN24_1UG.M (RTE Integrator)
 Title : TO-15 VOA Standards for 5 point calibration
 Last Update : Wed Oct 25 08:32:47 2017
 Response via : Initial Calibration
 DataAcq Meth : 1UG_RUN

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------|-------|------|----------|------|-------|----------|
| 1) Bromochloromethane | 10.64 | 128 | 17693 | 1.00 | ppb | 0.00 |
| 35) 1,4-difluorobenzene | 12.86 | 114 | 82431 | 1.00 | ppb | 0.00 |
| 50) Chlorobenzene-d5 | 17.58 | 117 | 68228 | 1.00 | ppb | 0.00 |

System Monitoring Compounds

| | | | | | | |
|------------------------|-------|-------|----------|----------|-----|--------|
| 65) Bromofluorobenzene | 19.31 | 95 | 43049 | 0.94 | ppb | 0.00 |
| Spiked Amount | 1.000 | Range | 70 - 130 | Recovery | = | 94.00% |

Target Compounds

| | | | | | | |
|-----------------------|-------|----|----------|------|-----|--------|
| 15) Acetone | 6.74 | 58 | 3968m /w | 0.51 | ppb | Qvalue |
| 17) Isopropyl alcohol | 6.85 | 45 | 45524 | 1.90 | ppb | # 18 |
| 51) Toluene | 15.57 | 92 | 13003 | 0.26 | ppb | 89 |

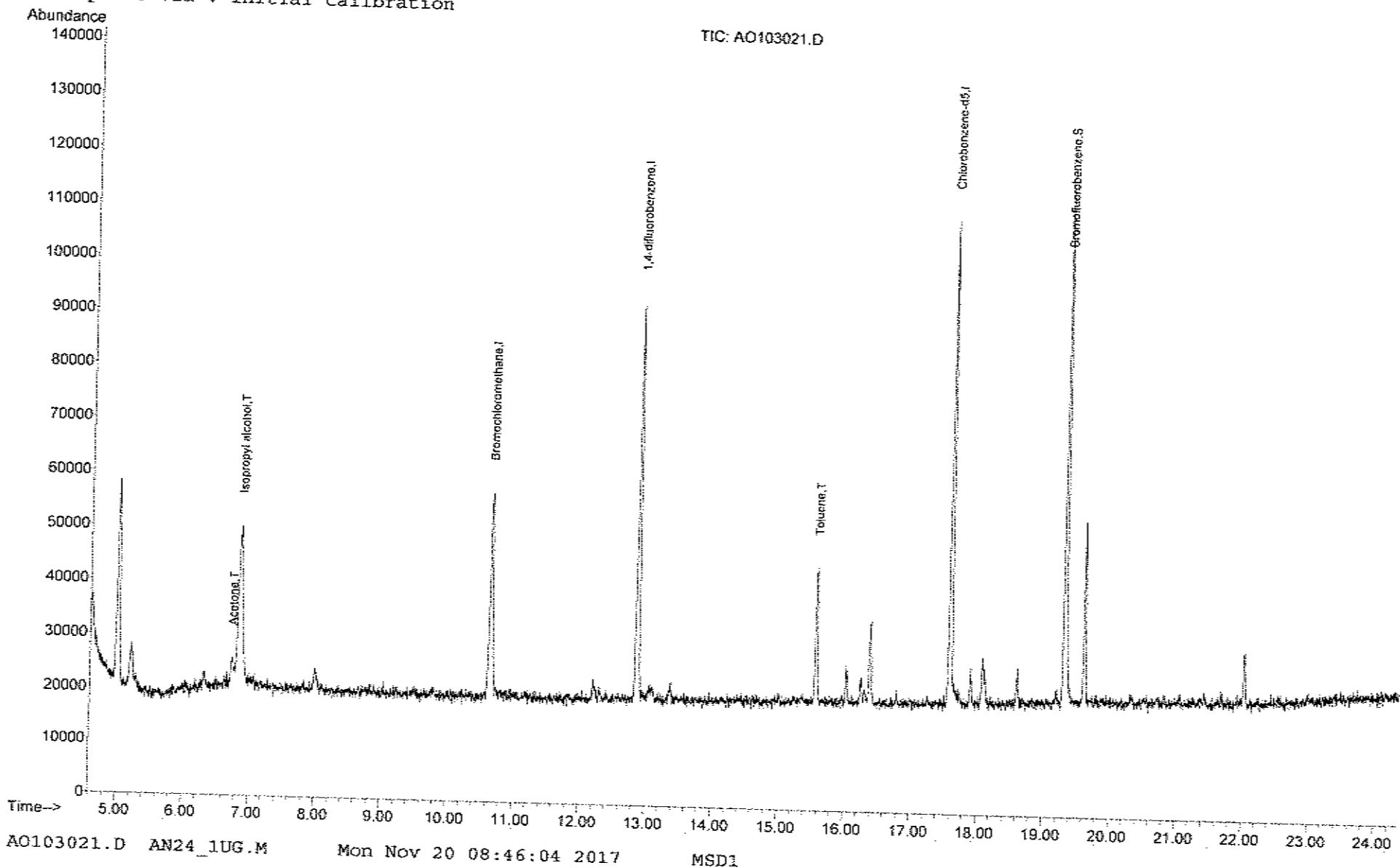
Quantitation Report (QT Reviewed)

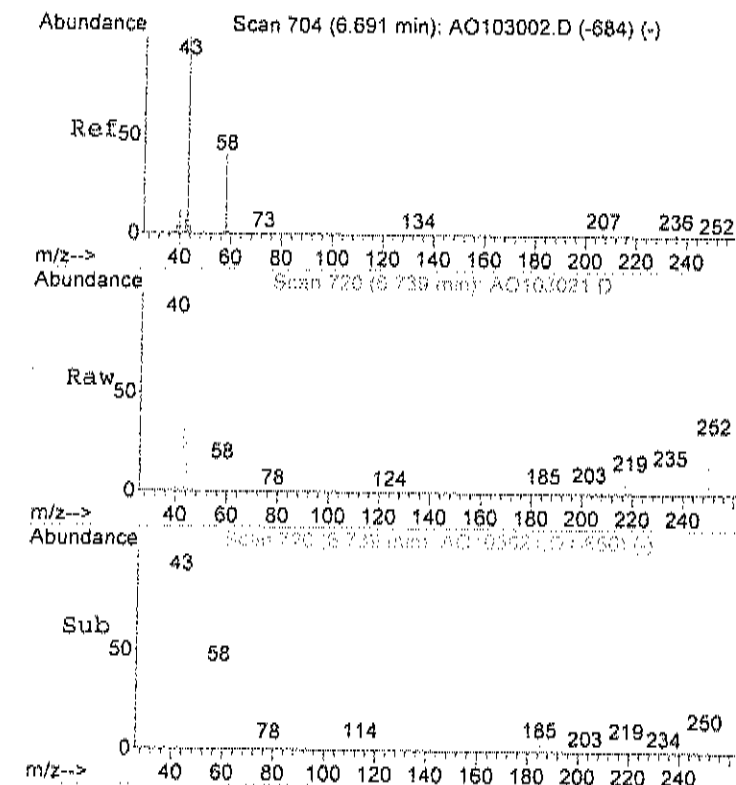
Data File : C:\HPCHEM\1\DATA2\AO103021.D
Acq On : 31 Oct 2017 9:01 am
Sample : C1710061-005A 270x
Misc : AN30_1UG
MS Integration Params: RTEINT.P
Quant Time: Nov 2 13:00 2017

Vial: 37
Operator: RJP
Inst : MSD #1
Multiplr: 1.00

Quant Results File: AN24_1UG.RES

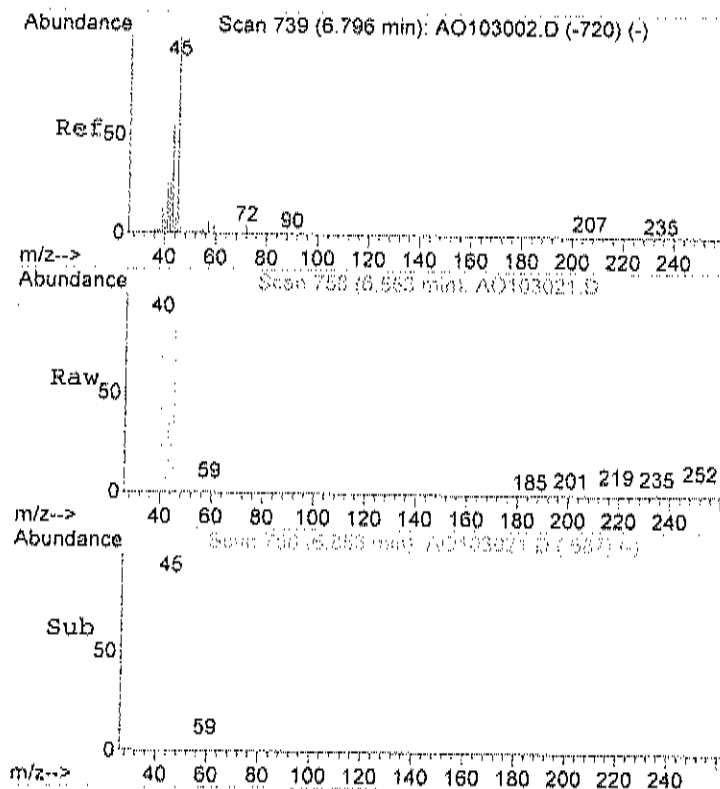
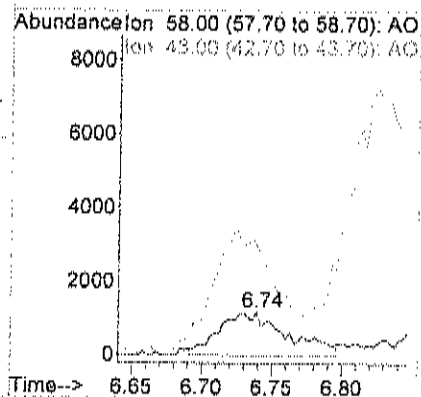
Method : C:\HPCHEM\1\METHODS\AN24_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Mon Nov 20 08:43:22 2017
Response via : Initial Calibration





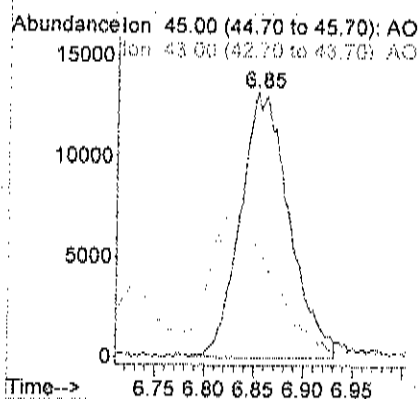
#15
Acetone
Concen: 0.51 ppb m
RT: 6.74 min Scan# 720
Delta R.T. 0.06 min
Lab File: AO103021.D
Acq: 31 Oct 2017 9:01 am

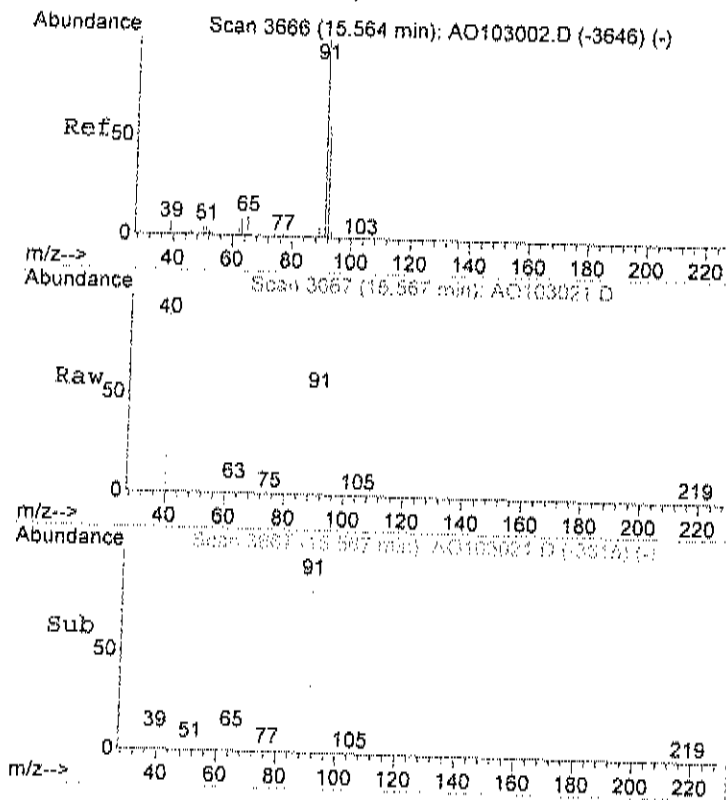
| Tgt Ion | 58 | Resp | 3968 |
|---------|-------|-------|--------|
| Ion | Ratio | Lower | Upper |
| 58 | 100 | | |
| 43 | 282.4 | 308.4 | 368.4# |



#17
Isopropyl alcohol
Concen: 1.90 ppb
RT: 6.85 min Scan# 758
Delta R.T. 0.06 min
Lab File: AO103021.D
Acq: 31 Oct 2017 9:01 am

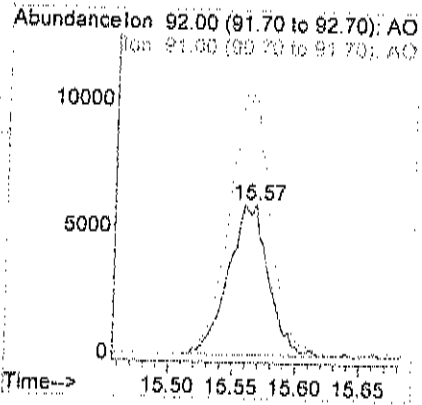
| Tgt Ion | 45 | Resp | 45524 |
|---------|-------|-------|-------|
| Ion | Ratio | Lower | Upper |
| 45 | 100 | | |
| 43 | 64.8 | 4.3 | 44.3# |





#51
Toluene
Concen: 0.26 ppb
RT: 15.57 min Scan# 3667
Delta R.T. 0.01 min
Lab File: AO103021.D
Acq: 31 Oct 2017 9:01 am

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 92 | 100 | | |
| 91 | 177.1 | 142.4 | 182.4 |



GC/MS VOLATILES-WHOLE AIR

METHOD TO-15

STANDARDS DATA

GC/MS VOLATILES-WHOLE AIR

METHOD TO-15

INITIAL CALIBRATION

Response Factor Report MSD #1

Method : C:\HPCHEM\1\METHODS\AN24_1UG.M (RTE Integrator)
 Title : TO-15 VOA Standards for 5 point calibration
 Last Update : Wed Oct 25 08:32:47 2017
 Response via : Initial Calibration

Calibration Files

0.04 =AO102411.D 0.10 =AO102410.D 0.15 =AO102409.D
 0.30 =AO102408.D 0.50 =AO102407.D 0.75 =AO102406.D

| Compound | 0.04 | 0.10 | 0.15 | 0.30 | 0.50 | 0.75 | Avg | %RSD |
|---------------------------|----------------|-------|-------|-------|-------|-------|-------|-------|
| 1) I Bromochloromethane | -----ISTD----- | | | | | | | |
| 2) T Propylene | | | 0.738 | 0.979 | 1.056 | 1.017 | 0.975 | 10.26 |
| 3) T Freon 12 | | | 4.825 | 4.563 | 4.681 | 4.631 | 4.608 | 2.54 |
| 4) T Chloromethane | | | 1.199 | 1.163 | 1.093 | 1.019 | 1.041 | 9.52 |
| 5) T Freon 114 | | | 4.185 | 4.077 | 3.913 | 3.907 | 3.904 | 4.04 |
| 6) T Vinyl Chloride | 1.303 | 1.193 | 1.133 | 1.194 | 1.093 | 1.058 | 1.114 | 8.19 |
| 7) T Butane | | | 1.107 | 1.186 | 1.118 | 1.183 | 1.111 | 5.30 |
| 8) T 1,3-butadiene | | | 0.735 | 0.888 | 0.846 | 0.829 | 0.802 | 6.29 |
| 9) T Bromomethane | | | 1.679 | 1.545 | 1.536 | 1.493 | 1.493 | 6.34 |
| 10) T Chloroethane | | | 0.565 | 0.522 | 0.493 | 0.483 | 0.501 | 6.10 |
| 11) T Ethanol | | | 0.396 | 0.359 | 0.330 | 0.278 | 0.322 | 11.99 |
| 12) T Acrolein | | | 0.452 | 0.375 | 0.365 | 0.373 | 0.371 | 9.45 |
| 13) T Vinyl Bromide | | | 1.637 | 1.538 | 1.581 | 1.518 | 1.528 | 3.76 |
| 14) T Freon 11 | | | 4.913 | 4.762 | 4.703 | 4.604 | 4.610 | 3.74 |
| 15) T Acetone | | | 0.489 | 0.419 | 0.495 | 0.422 | 0.436 | 8.25 |
| 16) T Pentane | | | 0.888 | 1.163 | 0.917 | 0.870 | 0.919 | 13.52 |
| 17) T Isopropyl alcoh | | | 1.446 | 1.773 | 1.299 | 1.319 | 1.355 | 14.31 |
| 18) T 1,1-dichloroeth | | | 1.307 | 1.242 | 1.235 | 1.278 | 1.244 | 2.70 |
| 19) T Freon 113 | | | 2.913 | 2.725 | 2.831 | 2.762 | 2.772 | 2.56 |
| 20) T t-Butyl alcohol | | | 1.962 | 1.709 | 1.636 | 1.608 | 1.744 | 8.95 |
| 21) T Methylene chlor | | | 1.422 | 1.246 | 1.245 | 1.236 | 1.237 | 6.52 |
| 22) T Allyl chloride | | | 1.517 | 1.381 | 1.399 | 1.421 | 1.404 | 3.49 |
| 23) T Carbon disulfid | | | 4.741 | 4.064 | 4.051 | 3.912 | 4.019 | 7.67 |
| 24) T trans-1,2-dichl | | | 1.914 | 1.815 | 1.798 | 1.837 | 1.823 | 2.23 |
| 25) T methyl tert-but | | | 3.244 | 3.038 | 3.130 | 2.831 | 3.023 | 4.11 |
| 26) T 1,1-dichloroeth | | | 2.449 | 2.331 | 2.368 | 2.370 | 2.348 | 2.05 |
| 27) T Vinyl acetate | | | 2.820 | 2.561 | 2.850 | 2.492 | 2.692 | 4.51 |
| 28) T Methyl Ethyl Ke | | | 0.558 | 0.586 | 0.624 | 0.446 | 0.553 | 10.13 |
| 29) T cis-1,2-dichlor | | | 1.844 | 1.727 | 1.740 | 1.705 | 1.730 | 2.82 |
| 30) T Hexane | | | 1.949 | 1.810 | 1.765 | 1.805 | 1.808 | 3.33 |
| 31) T Ethyl acetate | | | 2.804 | 2.453 | 2.735 | 2.146 | 2.480 | 8.71 |
| 32) T Chloroform | | | 3.281 | 3.129 | 3.096 | 3.073 | 3.093 | 2.76 |
| 33) T Tetrahydrofuran | | | 1.184 | 1.161 | 1.182 | 0.949 | 1.119 | 6.68 |
| 34) T 1,2-dichloroeth | | | 1.957 | 1.855 | 1.833 | 1.820 | 1.835 | 2.88 |
| 35) I 1,4-difluorobenzene | -----ISTD----- | | | | | | | |
| 36) T 1,1,1-trichloro | | | 0.707 | 0.688 | 0.699 | 0.679 | 0.687 | 1.57 |
| 37) T Cyclohexane | | | 0.427 | 0.404 | 0.384 | 0.390 | 0.396 | 3.53 |
| 38) T Carbon tetrachl | 0.955 | 0.833 | 0.787 | 0.771 | 0.755 | 0.746 | 0.782 | 8.57 |
| 39) T Benzene | | | 1.029 | 0.959 | 0.913 | 0.890 | 0.920 | 5.42 |
| 40) T Methyl methacry | | | 0.329 | 0.302 | 0.333 | 0.255 | 0.305 | 8.12 |
| 41) T 1,4-dioxane | | | 0.167 | 0.154 | 0.155 | 0.151 | 0.161 | 12.07 |
| 42) T 2,2,4-trimethyl | | | 1.303 | 1.275 | 1.275 | 1.257 | 1.271 | 1.37 |
| 43) T Heptane | | | 0.513 | 0.442 | 0.443 | 0.435 | 0.444 | 6.55 |
| 44) T Trichloroethene | 0.555 | 0.436 | 0.426 | 0.427 | 0.408 | 0.415 | 0.430 | 10.48 |
| 45) T 1,2-dichloropro | | | 0.377 | 0.348 | 0.350 | 0.347 | 0.347 | 3.92 |
| 46) T Bromodichlorome | | | 0.803 | 0.766 | 0.768 | 0.741 | 0.758 | 2.73 |
| 47) T cis-1,3-dichlor | | | 0.542 | 0.535 | 0.540 | 0.527 | 0.535 | 1.17 |
| 48) T trans-1,3-dichl | | | 0.478 | 0.476 | 0.480 | 0.468 | 0.474 | 1.36 |
| 49) T 1,1,2-trichloro | | | 0.434 | 0.428 | 0.416 | 0.412 | 0.415 | 2.65 |
| 50) I Chlorobenzene-d5 | -----ISTD----- | | | | | | | |
| 51) T Toluene | | | 0.806 | 0.735 | 0.721 | 0.707 | 0.719 | 5.40 |

(#) = Out of Range ### Number of calibration levels exceeded format ###
 AN24_1UG.M Wed Nov 15 11:30:23 2017 MSD1

Response Factor Report MSD #1

Method : C:\HPCHEM\1\METHODS\AN24_1UG.M (RTE Integrator)
 Title : TO-15 VOA Standards for 5 point calibration
 Last Update : Wed Oct 25 08:32:47 2017
 Response via : Initial Calibration

Calibration Files

0.04 =AO102411.D 0.10 =AO102410.D 0.15 =AO102409.D
 0.30 =AO102408.D 0.50 =AO102407.D 0.75 =AO102406.D

| | Compound | 0.04 | 0.10 | 0.15 | 0.30 | 0.50 | 0.75 | Avg | %RSD |
|-------|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|
| 52) T | Methyl Isobutyl | | | 0.485 | 0.461 | 0.474 | 0.457 | 0.462 | 10.32 |
| 53) T | Dibromochlorome | | | 0.987 | 0.938 | 0.954 | 0.917 | 0.932 | 2.85 |
| 54) T | Methyl Butyl Ke | | | 0.299 | 0.269 | 0.260 | 0.277 | 0.274 | 5.95 |
| 55) T | 1,2-dibromoetha | | | 0.774 | 0.784 | 0.773 | 0.743 | 0.759 | 2.22 |
| 56) T | Tetrachloroethy | | | 0.508 | 0.485 | 0.489 | 0.489 | 0.485 | 2.25 |
| 57) T | Chlorobenzene | | | 1.035 | 0.988 | 0.993 | 0.974 | 0.984 | 2.37 |
| 58) T | Ethylbenzene | | | 1.737 | 1.617 | 1.622 | 1.532 | 1.595 | 4.10 |
| 59) T | m&p-xylene | | | 1.186 | 1.118 | 1.148 | 1.096 | 1.142 | 2.61 |
| 60) T | Nonane | | | 0.778 | 0.720 | 0.730 | 0.700 | 0.727 | 3.27 |
| 61) T | Styrene | | | 0.636 | 0.651 | 0.698 | 0.681 | 0.710 | 7.87 |
| 62) T | Bromoform | | | 0.864 | 0.847 | 0.858 | 0.829 | 0.842 | 1.65 |
| 63) T | o-xylene | | | 1.289 | 1.245 | 1.257 | 1.175 | 1.245 | 2.73 |
| 64) T | Cumene | | | 1.663 | 1.638 | 1.672 | 1.519 | 1.625 | 3.05 |
| 65) S | Bromofluorobenz | 0.656 | 0.663 | 0.680 | 0.659 | 0.675 | 0.676 | 0.673 | 1.54 |
| 66) T | 1,1,2,2-tetrach | | | 1.093 | 1.091 | 1.105 | 1.009 | 1.051 | 3.70 |
| 67) T | Propylbenzene | | | 0.405 | 0.393 | 0.427 | 0.377 | 0.409 | 4.10 |
| 68) T | 2-Chlorotoluene | | | 0.420 | 0.432 | 0.429 | 0.395 | 0.419 | 2.68 |
| 69) T | 4-ethyltoluene | | | 1.059 | 1.149 | 1.230 | 1.132 | 1.227 | 8.57 |
| 70) T | 1,3,5-trimethyl | | | 0.961 | 1.010 | 1.102 | 0.968 | 1.091 | 9.29 |
| 71) T | 1,2,4-trimethyl | | | 0.696 | 0.712 | 0.822 | 0.695 | 0.809 | 12.38 |
| 72) T | 1,3-dichloroben | | | 0.897 | 0.903 | 0.956 | 0.899 | 0.928 | 2.86 |
| 73) T | benzyl chloride | | | 0.696 | 0.702 | 0.783 | 0.604 | 0.733 | 8.96 |
| 74) T | 1,4-dichloroben | | | 0.872 | 0.879 | 0.950 | 0.865 | 0.907 | 3.80 |
| 75) T | 1,2,3-trimethyl | | | 0.863 | 0.898 | 1.027 | 0.839 | 0.997 | 11.51 |
| 76) T | 1,2-dichloroben | | | 0.888 | 0.888 | 0.938 | 0.851 | 0.897 | 2.85 |
| 77) T | 1,2,4-trichloro | | | 0.366 | 0.384 | 0.404 | 0.332 | 0.389 | 7.96 |
| 78) T | Naphthalene | | | 0.350 | 0.363 | 0.338 | 0.360 | 0.430 | 21.08 |
| 79) T | Hexachloro-1,3- | | | 0.643 | 0.641 | 0.658 | 0.504 | 0.610 | 8.11 |

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AO102402.D

Vial: 3

Acq On : 24 Oct 2017 3:48 pm

Operator: RJP

Sample : A1UG_2.0

Inst : MSD #1

Misc : AN24_1UG

Multiplr: 1.00

MS Integration Params: RTEINT.P

Quant Time: Oct 25 08:16:27 2017

Quant Results File: AN24_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\AN24_1UG.M (RTE Integrator)

Title : TO-15 VOA Standards for 5 point calibration

Last Update : Wed Oct 25 08:16:00 2017

Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AO102405.D

DataAcq Meth : 1UG_RUN

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------|-------|------|----------|------|-------|----------|
| 1) Bromochloromethane | 10.65 | 128 | 43943 | 1.00 | ppb | 0.00 |
| 35) 1,4-difluorobenzene | 12.86 | 114 | 197420 | 1.00 | ppb | 0.00 |
| 50) Chlorobenzene-d5 | 17.59 | 117 | 173269 | 1.00 | ppb | 0.00 |

System Monitoring Compounds

| | | | | | | |
|------------------------|-------|-------|----------|----------|-----|---------|
| 65) Bromofluorobenzene | 19.32 | 95 | 119236 | 1.02 | ppb | 0.00 |
| Spiked Amount | 1.000 | Range | 70 - 130 | Recovery | = | 102.00% |

Target Compounds

| | | | | | | Qvalue |
|------------------------------|-------|-----|--------|------|-----|--------|
| 2) Propylene | 4.68 | 41 | 88602 | 1.94 | ppb | 97 |
| 3) Freon 12 | 4.74 | 85 | 397840 | 1.94 | ppb | 99 |
| 4) Chloromethane | 4.95 | 50 | 83369 | 1.91 | ppb | 83 |
| 5) Freon 114 | 4.96 | 85 | 331584 | 1.95 | ppb | 98 |
| 6) Vinyl Chloride | 5.18 | 62 | 89620 | 1.90 | ppb | 94 |
| 7) Butane | 5.30 | 43 | 89373 | 1.78 | ppb | 94 |
| 8) 1,3-butadiene | 5.30 | 39 | 67440 | 1.90 | ppb | 97 |
| 9) Bromomethane | 5.69 | 94 | 122846 | 1.90 | ppb | 84 |
| 10) Chloroethane | 5.87 | 64 | 41145 | 1.84 | ppb | 98 |
| 11) Ethanol | 5.95 | 45 | 26240 | 1.91 | ppb | 61 |
| 12) Acrolein | 6.59 | 56 | 29992 | 1.88 | ppb | 94 |
| 13) Vinyl Bromide | 6.23 | 106 | 128468 | 1.93 | ppb | 88 |
| 14) Freon 11 | 6.54 | 101 | 387834 | 1.93 | ppb | 99 |
| 15) Acetone | 6.69 | 58 | 34945 | 1.85 | ppb | # 84 |
| 16) Pentane | 6.83 | 42 | 63974 | 1.52 | ppb | # 71 |
| 17) Isopropyl alcohol | 6.80 | 45 | 98234 | 1.64 | ppb | # 1 |
| 18) 1,1-dichloroethene | 7.34 | 96 | 108667 | 2.01 | ppb | 92 |
| 19) Freon 113 | 7.55 | 101 | 243972 | 2.02 | ppb | 96 |
| 20) t-Butyl alcohol | 7.56 | 59 | 143614 | 1.77 | ppb | 90 |
| 21) Methylene chloride | 7.82 | 84 | 104425 | 1.97 | ppb | 87 |
| 22) Allyl chloride | 7.81 | 41 | 121076 | 1.98 | ppb | 92 |
| 23) Carbon disulfide | 8.00 | 76 | 338651 | 1.97 | ppb | 91 |
| 24) trans-1,2-dichloroethene | 8.79 | 61 | 156909 | 1.95 | ppb | 98 |
| 25) methyl tert-butyl ether | 8.80 | 73 | 261583 | 1.97 | ppb | 98 |
| 26) 1,1-dichloroethane | 9.24 | 63 | 206159 | 2.04 | ppb | 98 |
| 27) Vinyl acetate | 9.20 | 43 | 237865 | 1.99 | ppb | 97 |
| 28) Methyl Ethyl Ketone | 9.70 | 72 | 47144 | 1.95 | ppb | # 1 |
| 29) cis-1,2-dichloroethene | 10.19 | 61 | 149189 | 1.97 | ppb | 99 |
| 30) Hexane | 9.79 | 57 | 157597 | 1.98 | ppb | 87 |
| 31) Ethyl acetate | 10.31 | 43 | 206554 | 1.87 | ppb | 90 |
| 32) Chloroform | 10.80 | 83 | 269345 | 1.99 | ppb | 98 |
| 33) Tetrahydrofuran | 10.96 | 42 | 98312 | 2.01 | ppb | 95 |
| 34) 1,2-dichloroethane | 11.89 | 62 | 159886 | 2.03 | ppb | 99 |
| 36) 1,1,1-trichloroethane | 11.63 | 97 | 269407 | 2.00 | ppb | 90 |
| 37) Cyclohexane | 12.31 | 56 | 153063 | 1.99 | ppb | 94 |
| 38) Carbon tetrachloride | 12.25 | 117 | 294878 | 2.01 | ppb | 93 |
| 39) Benzene | 12.22 | 78 | 353495 | 2.02 | ppb | 99 |
| 40) Methyl methacrylate | 13.70 | 41 | 117968 | 1.95 | ppb | 96 |
| 41) 1,4-dioxane | 13.73 | 88 | 54967 | 1.46 | ppb | # 66 |
| 42) 2,2,4-trimethylpentane | 13.04 | 57 | 506007 | 2.06 | ppb | 96 |
| 43) Heptane | 13.37 | 43 | 174225 | 2.03 | ppb | 95 |
| 44) Trichloroethene | 13.51 | 130 | 162254 | 2.02 | ppb | 95 |
| 45) 1,2-dichloropropane | 13.60 | 63 | 136407 | 2.03 | ppb | 93 |

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

AO102402.D AN24_1UG.M

Wed Nov 15 11:30:53 2017

MSD1

Page 1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AO102402.D
 Acq On : 24 Oct 2017 3:48 pm
 Sample : A1UG_2.0
 Misc : AN24_1UG
 MS Integration Params: RTEINT.P
 Quant Time: Oct 25 08:16:27 2017

Vial: 3
 Operator: RJP
 Inst : MSD #1
 Multiplr: 1.00

Quant Results File: AN24_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\AN24_1UG.M (RTE Integrator)
 Title : TO-15 VOA Standards for 5 point calibration
 Last Update : Wed Oct 25 08:16:00 2017
 Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AO102405.D
 DataAcq Meth : 1UG_RUN

| Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|-------------------------------|-------|------|----------|------|------|--------|
| 46) Bromodichloromethane | 13.93 | 83 | 2977790 | 2.02 | ppb | 96 |
| 47) cis-1,3-dichloropropene | 14.73 | 75 | 214364 | 2.06 | ppb | 97 |
| 48) trans-1,3-dichloropropene | 15.48 | 75 | 190314 | 2.08 | ppb | 98 |
| 49) 1,1,2-trichloroethane | 15.81 | 97 | 163166 | 2.04 | ppb | 92 |
| 51) Toluene | 15.57 | 92 | 247434 | 2.03 | ppb | 90 |
| 52) Methyl Isobutyl Ketone | 14.62 | 43 | 154292m | 1.68 | ppb | |
| 53) Dibromochloromethane | 16.54 | 129 | 317221 | 1.99 | ppb | 99 |
| 54) Methyl Butyl Ketone | 15.97 | 43 | 100005 | 2.01 | ppb | 98 |
| 55) 1,2-dibromoethane | 16.80 | 107 | 262760 | 1.99 | ppb | 97 |
| 56) Tetrachloroethylene | 16.63 | 164 | 166762 | 2.00 | ppb | 86 |
| 57) Chlorobenzene | 17.65 | 112 | 340242 | 2.02 | ppb | 86 |
| 58) Ethylbenzene | 17.91 | 91 | 545886 | 2.01 | ppb | 100 |
| 59) m&p-xylene | 18.12 | 91 | 815723 | 4.18 | ppb | 97 |
| 60) Nonane | 18.50 | 43 | 255716 | 2.07 | ppb | 96 |
| 61) Styrene | 18.58 | 104 | 276801 | 2.26 | ppb | 76 |
| 62) Bromoform | 18.71 | 173 | 293620 | 2.03 | ppb | 96 |
| 63) o-xylene | 18.61 | 91 | 442599 | 2.07 | ppb | 94 |
| 64) Cumene | 19.20 | 105 | 569333 | 2.05 | ppb | 97 |
| 66) 1,1,2,2-tetrachloroethane | 19.08 | 83 | 354567 | 1.99 | ppb | 99 |
| 67) Propylbenzene | 19.79 | 120 | 145056 | 2.02 | ppb | # 58 |
| 68) 2-Chlorotoluene | 19.84 | 126 | 145001 | 1.98 | ppb | 92 |
| 69) 4-ethyltoluene | 19.97 | 105 | 473792 | 2.17 | ppb | 98 |
| 70) 1,3,5-trimethylbenzene | 20.03 | 105 | 427815 | 2.21 | ppb | 98 |
| 71) 1,2,4-trimethylbenzene | 20.53 | 105 | 330439 | 2.35 | ppb | 96 |
| 72) 1,3-dichlorobenzene | 20.85 | 146 | 334596 | 2.07 | ppb | 99 |
| 73) benzyl chloride | 20.93 | 91 | 275068 | 2.13 | ppb | 97 |
| 74) 1,4-dichlorobenzene | 21.00 | 146 | 330351 | 2.10 | ppb | 95 |
| 75) 1,2,3-trimethylbenzene | 21.05 | 105 | 390354 | 2.18 | ppb | 99 |
| 76) 1,2-dichlorobenzene | 21.36 | 146 | 313156 | 2.00 | ppb | 98 |
| 77) 1,2,4-trichlorobenzene | 23.47 | 180 | 150355 | 2.26 | ppb | 97 |
| 78) Naphthalene | 23.69 | 128 | 181345 | 2.22 | ppb | 93 |
| 79) Hexachloro-1,3-butadiene | 23.81 | 225 | 210414 | 1.99 | ppb | 95 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed
 AO102402.D AN24_1UG.M Wed Nov 15 11:30:54 2017 MSD1

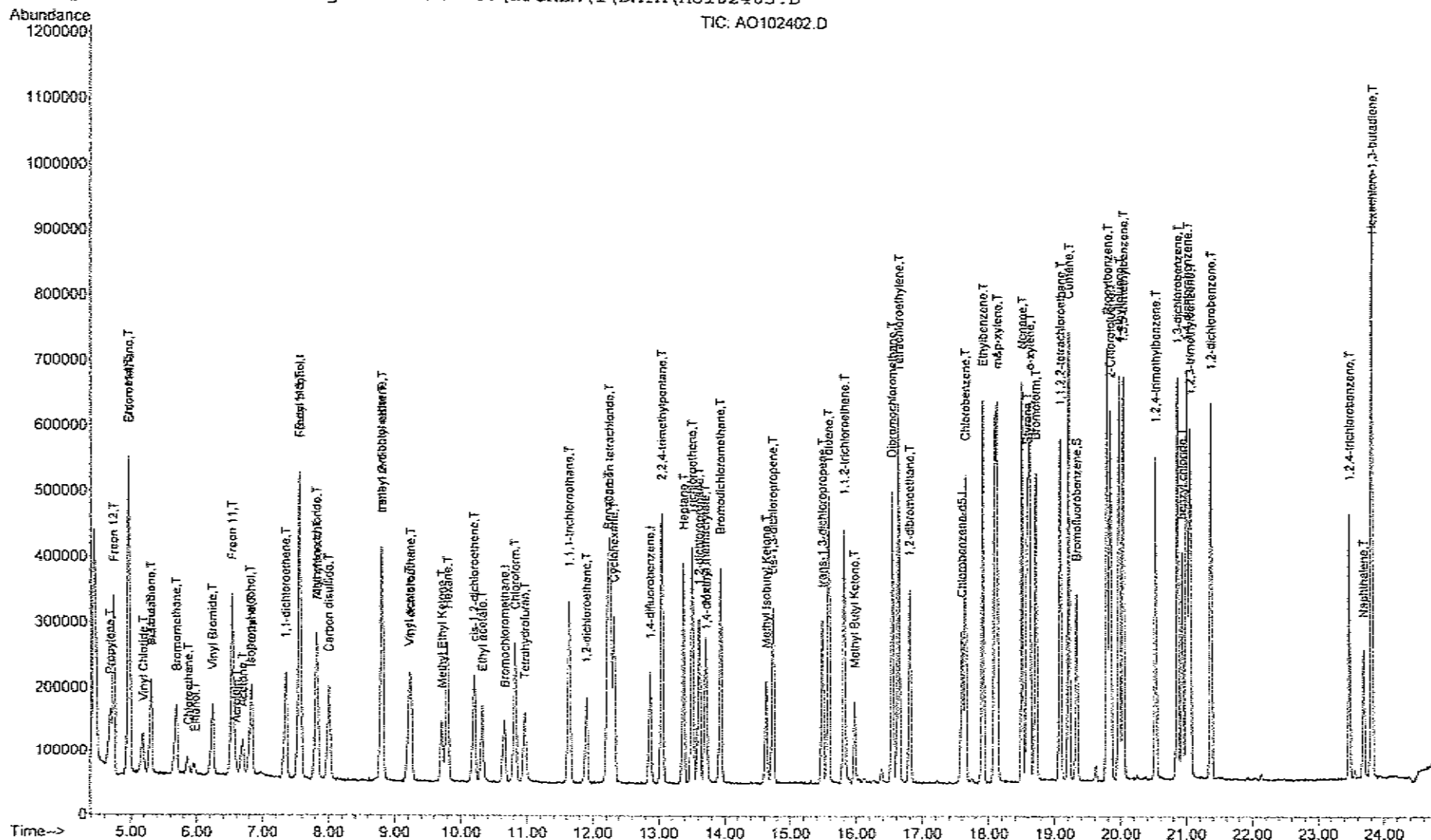
Data File : C:\HPCHEM\1\DATA2\AO102402.D
 Acq On : 24 Oct 2017 3:48 pm
 Sample : ALUG_2.0
 Misc : AN24_1UG
 MS Integration Params: RTEINT.P
 Quant Time: Oct 25 7:20 2017

Vial: 3
 Operator: RJP
 Inst : MSD #1
 Multiplr: 1.00

Quant Results File: AN24_1UG.RES

Method : C:\HPCHEM\1\METHODS\AN24_1UG.M (RTE Integrator)
 Title : TO-15 VOA Standards for 5 point calibration
 Last Update : Wed Oct 25 08:32:47 2017
 Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AO102405.D

TIC: AO102402.D



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AO102403.D

Vial: 4

Acq On : 24 Oct 2017 4:29 pm

Operator: RJP

Sample : A1UG_1.50

Inst : MSD #1

Misc : AN24_1UG

Multiplr: 1.00

MS Integration Params: RTEINT.P

Quant Time: Oct 25 08:16:28 2017

Quant Results File: AN24_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\AN24_1UG.M (RTE Integrator)

Title : TO-15 VOA Standards for 5 point calibration

Last Update : Wed Oct 25 08:16:00 2017

Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AO102405.D

DataAcq Meth : 1UG_RUN

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------|-------|------|----------|------|-------|----------|
| 1) Bromochloromethane | 10.66 | 128 | 43448 | 1.00 | ppb | 0.02 |
| 35) 1,4-difluorobenzene | 12.87 | 114 | 194993 | 1.00 | ppb | 0.01 |
| 50) Chlorobenzene-d5 | 17.60 | 117 | 172164 | 1.00 | ppb | 0.00 |

System Monitoring Compounds

| | | | | | | |
|------------------------|-------|-------|----------|----------|-----|---------|
| 65) Bromofluorobenzene | 19.32 | 95 | 116325 | 1.00 | ppb | 0.01 |
| Spiked Amount | 1.000 | Range | 70 - 130 | Recovery | = | 100.00% |

Target Compounds

| | | | | | | Qvalue |
|------------------------------|-------|-----|--------|------|-----|--------|
| 2) Propylene | 4.68 | 41 | 63930 | 1.41 | ppb | 97 |
| 3) Freon 12 | 4.74 | 85 | 294063 | 1.45 | ppb | 97 |
| 4) Chloromethane | 4.96 | 50 | 63600 | 1.47 | ppb | 83 |
| 5) Freon 114 | 4.97 | 85 | 246148 | 1.46 | ppb | 99 |
| 6) Vinyl Chloride | 5.19 | 62 | 68284 | 1.46 | ppb | 93 |
| 7) Butane | 5.30 | 43 | 70224 | 1.42 | ppb | 90 |
| 8) 1,3-butadiene | 5.30 | 39 | 49587 | 1.41 | ppb | 95 |
| 9) Bromomethane | 5.69 | 94 | 93213 | 1.46 | ppb | 87 |
| 10) Chloroethane | 5.88 | 64 | 32028m | 1.45 | ppb | |
| 11) Ethanol | 5.96 | 45 | 19396 | 1.43 | ppb | # 52 |
| 12) Acrolein | 6.59 | 56 | 22548 | 1.43 | ppb | 95 |
| 13) Vinyl Bromide | 6.25 | 106 | 97025 | 1.47 | ppb | 90 |
| 14) Freon 11 | 6.54 | 101 | 289645 | 1.46 | ppb | 98 |
| 15) Acetone | 6.70 | 58 | 26833m | 1.44 | ppb | |
| 16) Pentane | 6.84 | 42 | 63545 | 1.53 | ppb | # 70 |
| 17) Isopropyl alcohol | 6.82 | 45 | 83169 | 1.40 | ppb | # 1 |
| 18) 1,1-dichloroethene | 7.35 | 96 | 79685 | 1.49 | ppb | 91 |
| 19) Freon 113 | 7.56 | 101 | 175181 | 1.46 | ppb | 96 |
| 20) t-Butyl alcohol | 7.57 | 59 | 104039 | 1.30 | ppb | 93 |
| 21) Methylene chloride | 7.83 | 84 | 76159 | 1.45 | ppb | 88 |
| 22) Allyl chloride | 7.81 | 41 | 90293 | 1.49 | ppb | 95 |
| 23) Carbon disulfide | 8.01 | 76 | 247137 | 1.45 | ppb | 90 |
| 24) trans-1,2-dichloroethene | 8.80 | 61 | 117444 | 1.48 | ppb | 98 |
| 25) methyl tert-butyl ether | 8.80 | 73 | 190844 | 1.46 | ppb | # 51 |
| 26) 1,1-dichloroethane | 9.24 | 63 | 150264 | 1.50 | ppb | 99 |
| 27) Vinyl acetate | 9.21 | 43 | 172741 | 1.46 | ppb | 94 |
| 28) Methyl Ethyl Ketone | 9.71 | 72 | 33831 | 1.41 | ppb | # 68 |
| 29) cis-1,2-dichloroethene | 10.20 | 61 | 110873 | 1.48 | ppb | 99 |
| 30) Hexane | 9.79 | 57 | 116393 | 1.48 | ppb | 85 |
| 31) Ethyl acetate | 10.32 | 43 | 151247 | 1.38 | ppb | 92 |
| 32) Chloroform | 10.81 | 83 | 195504 | 1.46 | ppb | 99 |
| 33) Tetrahydrofuran | 10.97 | 42 | 73144 | 1.51 | ppb | 94 |
| 34) 1,2-dichloroethane | 11.90 | 62 | 117215 | 1.51 | ppb | 100 |
| 36) 1,1,1-trichloroethane | 11.64 | 97 | 197661 | 1.49 | ppb | 89 |
| 37) Cyclohexane | 12.32 | 56 | 113994 | 1.50 | ppb | 94 |
| 38) Carbon tetrachloride | 12.26 | 117 | 217474 | 1.50 | ppb | 93 |
| 39) Benzene | 12.22 | 78 | 261597 | 1.51 | ppb | 99 |
| 40) Methyl methacrylate | 13.71 | 41 | 86211 | 1.44 | ppb | 96 |
| 41) 1,4-dioxane | 13.73 | 88 | 41044 | 1.11 | ppb | # 67 |
| 42) 2,2,4-trimethylpentane | 13.05 | 57 | 370152 | 1.53 | ppb | 96 |
| 43) Heptane | 13.37 | 43 | 123763 | 1.46 | ppb | 92 |
| 44) Trichloroethene | 13.51 | 130 | 118957 | 1.50 | ppb | 96 |
| 45) 1,2-dichloropropane | 13.61 | 63 | 97100 | 1.46 | ppb | 94 |

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

AO102403.D AN24_1UG.M

Wed Nov 15 11:30:57 2017

MSD1

Page 1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AO102403.D

Acq On : 24 Oct 2017 4:29 pm

Sample : A1UG_1.50

Misc : AN24_1UG

MS Integration Params: RTEINT.P

Quant Time: Oct 25 08:16:28 2017

Vial: 4

Operator: RJP

Inst : MSD #1

Multiplr: 1.00

Quant Results File: AN24_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\AN24_1UG.M (RTE Integrator)

Title : TO-15 VOA Standards for 5 point calibration

Last Update : Wed Oct 25 08:16:00 2017

Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AO102405.D

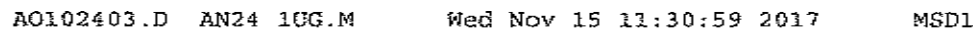
DataAcq Meth : 1UG_RUN

| Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|-------------------------------|-------|------|----------|------|------|--------|
| 46) Bromodichloromethane | 13.94 | 83 | 216977 | 1.49 | ppb | 96 |
| 47) cis-1,3-dichloropropene | 14.73 | 75 | 155386 | 1.51 | ppb | 97 |
| 48) trans-1,3-dichloropropene | 15.48 | 75 | 136836 | 1.51 | ppb | 99 |
| 49) 1,1,2-trichloroethane | 15.81 | 97 | 117184 | 1.48 | ppb | 89 |
| 51) Toluene | 15.58 | 92 | 177483 | 1.47 | ppb | 89 |
| 52) Methyl Isobutyl Ketone | 14.63 | 43 | 93715 | 1.03 | ppb | 97 |
| 53) Dibromochloromethane | 16.54 | 129 | 236315 | 1.49 | ppb | 98 |
| 54) Methyl Butyl Ketone | 15.97 | 43 | 64983 | 1.31 | ppb | 98 |
| 55) 1,2-dibromoethane | 16.80 | 107 | 192909 | 1.47 | ppb | 97 |
| 56) Tetrachloroethylene | 16.63 | 164 | 122052 | 1.47 | ppb | 84 |
| 57) Chlorobenzene | 17.65 | 112 | 251586 | 1.50 | ppb | 86 |
| 58) Ethylbenzene | 17.91 | 91 | 405262 | 1.50 | ppb | 100 |
| 59) m&p-xylene | 18.12 | 91 | 591508 | 3.05 | ppb | 96 |
| 60) Nonane | 18.50 | 43 | 186973 | 1.53 | ppb | 96 |
| 61) Styrene | 18.58 | 104 | 197528 | 1.62 | ppb | 77 |
| 62) Bromoform | 18.71 | 173 | 215307 | 1.50 | ppb | 95 |
| 63) o-xylene | 18.62 | 91 | 321055 | 1.51 | ppb | 95 |
| 64) Cumene | 19.20 | 105 | 415716 | 1.51 | ppb | 96 |
| 66) 1,1,2,2-tetrachloroethane | 19.08 | 83 | 263139 | 1.48 | ppb | 98 |
| 67) Propylbenzene | 19.79 | 120 | 107101 | 1.50 | ppb | # 58 |
| 68) 2-Chlorotoluene | 19.84 | 126 | 108183 | 1.49 | ppb | # 87 |
| 69) 4-ethyltoluene | 19.97 | 105 | 335719 | 1.55 | ppb | 98 |
| 70) 1,3,5-trimethylbenzene | 20.03 | 105 | 299477 | 1.56 | ppb | 98 |
| 71) 1,2,4-trimethylbenzene | 20.53 | 105 | 229317 | 1.64 | ppb | 94 |
| 72) 1,3-dichlorobenzene | 20.86 | 146 | 240974 | 1.50 | ppb | 98 |
| 73) benzyl chloride | 20.93 | 91 | 191588 | 1.49 | ppb | 97 |
| 74) 1,4-dichlorobenzene | 21.00 | 146 | 240190 | 1.54 | ppb | 94 |
| 75) 1,2,3-trimethylbenzene | 21.05 | 105 | 276872 | 1.55 | ppb | 98 |
| 76) 1,2-dichlorobenzene | 21.37 | 146 | 229230 | 1.47 | ppb | 97 |
| 77) 1,2,4-trichlorobenzene | 23.47 | 180 | 102018 | 1.55 | ppb | 96 |
| 78) Naphthalene | 23.69 | 128 | 117192 | 1.44 | ppb | 92 |
| 79) Hexachloro-1,3-butadiene | 23.81 | 225 | 150138 | 1.43 | ppb | 94 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed
 AO102403.D AN24_1UG.M Wed Nov 15 11:30:58 2017 MSD1

Quant Results File: AN24_1UG.RES

TIC: A0102403.D



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AO102404.D

Vial: 5

Acq On : 24 Oct 2017 5:10 pm

Operator: RJP

Sample : ALUG_1.25

Inst : MSD #1

Misc : AN24_1UG

Multiplr: 1.00

MS Integration Params: RTEINT.P

Quant Time: Oct 25 08:16:29 2017

Quant Results File: AN24_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\AN24_1UG.M (RTE Integrator)

Title : TO-15 VOA Standards for 5 point calibration

Last Update : Wed Oct 25 08:16:00 2017

Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AO102405.D

DataAcq Meth : 1UG_RUN

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------|-------|------|----------|------|-------|----------|
| 1) Bromochloromethane | 10.64 | 128 | 43213 | 1.00 | ppb | 0.00 |
| 35) 1,4-difluorobenzene | 12.86 | 114 | 193479 | 1.00 | ppb | 0.00 |
| 50) Chlorobenzene-d5 | 17.60 | 117 | 171186 | 1.00 | ppb | 0.00 |

System Monitoring Compounds

| | | | | | | |
|------------------------|-------|-------|----------|----------|-----|---------|
| 65) Bromofluorobenzene | 19.32 | 95 | 116576 | 1.01 | ppb | 0.00 |
| Spiked Amount | 1.000 | Range | 70 - 130 | Recovery | = | 101.00% |

Target Compounds

| | | | | | | Qvalue |
|------------------------------|-------|-----|--------|------|-----|--------|
| 2) Propylene | 4.67 | 41 | 53057 | 1.18 | ppb | 98 |
| 3) Freon 12 | 4.72 | 85 | 240854 | 1.19 | ppb | 98 |
| 4) Chloromethane | 4.95 | 50 | 50612 | 1.18 | ppb | 86 |
| 5) Freon 114 | 4.96 | 85 | 201428 | 1.20 | ppb | 96 |
| 6) Vinyl Chloride | 5.17 | 62 | 55392 | 1.19 | ppb | 95 |
| 7) Butane | 5.29 | 43 | 57292 | 1.16 | ppb | 90 |
| 8) 1,3-butadiene | 5.29 | 39 | 42344 | 1.21 | ppb | 99 |
| 9) Bromomethane | 5.68 | 94 | 75226 | 1.19 | ppb | 82 |
| 10) Chloroethane | 5.86 | 64 | 25910 | 1.18 | ppb | 100 |
| 11) Ethanol | 5.95 | 45 | 16425 | 1.22 | ppb | # 61 |
| 12) Acrolein | 6.59 | 56 | 18961 | 1.21 | ppb | 93 |
| 13) Vinyl Bromide | 6.23 | 106 | 80012 | 1.22 | ppb | 88 |
| 14) Freon 11 | 6.53 | 101 | 242096 | 1.23 | ppb | 98 |
| 15) Acetone | 6.69 | 58 | 22922 | 1.24 | ppb | # 84 |
| 16) Pentane | 6.82 | 42 | 46221m | 1.12 | ppb | |
| 17) Isopropyl alcohol | 6.81 | 45 | 67058 | 1.14 | ppb | # 1 |
| 18) 1,1-dichloroethene | 7.34 | 96 | 64816 | 1.22 | ppb | 91 |
| 19) Freon 113 | 7.55 | 101 | 147243 | 1.24 | ppb | 97 |
| 20) t-Butyl alcohol | 7.56 | 59 | 106103 | 1.33 | ppb | 89 |
| 21) Methylene chloride | 7.82 | 84 | 63777 | 1.22 | ppb | 88 |
| 22) Allyl chloride | 7.79 | 41 | 73397 | 1.22 | ppb | 94 |
| 23) Carbon disulfide | 8.00 | 76 | 206382 | 1.22 | ppb | 90 |
| 24) trans-1,2-dichloroethene | 8.79 | 61 | 97408 | 1.23 | ppb | 98 |
| 25) methyl tert-butyl ether | 8.79 | 73 | 163088 | 1.25 | ppb | # 51 |
| 26) 1,1-dichloroethane | 9.23 | 63 | 124959 | 1.25 | ppb | 99 |
| 27) Vinyl acetate | 9.20 | 43 | 147787 | 1.26 | ppb | 95 |
| 28) Methyl Ethyl Ketone | 9.71 | 72 | 32789 | 1.38 | ppb | # 1 |
| 29) cis-1,2-dichloroethene | 10.19 | 61 | 91588 | 1.23 | ppb | 98 |
| 30) Hexane | 9.79 | 57 | 94678 | 1.21 | ppb | 87 |
| 31) Ethyl acetate | 10.31 | 43 | 135793 | 1.25 | ppb | 89 |
| 32) Chloroform | 10.81 | 83 | 163472 | 1.23 | ppb | 96 |
| 33) Tetrahydrofuran | 10.96 | 42 | 60417 | 1.25 | ppb | 93 |
| 34) 1,2-dichloroethane | 11.89 | 62 | 97655 | 1.26 | ppb | 100 |
| 36) 1,1,1-trichloroethane | 11.63 | 97 | 165208 | 1.25 | ppb | 90 |
| 37) Cyclohexane | 12.31 | 56 | 96346 | 1.28 | ppb | 94 |
| 38) Carbon tetrachloride | 12.25 | 117 | 179005 | 1.24 | ppb | 94 |
| 39) Benzene | 12.22 | 78 | 215946 | 1.26 | ppb | 99 |
| 40) Methyl methacrylate | 13.71 | 41 | 77821 | 1.31 | ppb | 94 |
| 41) 1,4-dioxane | 13.73 | 88 | 45085 | 1.22 | ppb | # 66 |
| 42) 2,2,4-trimethylpentane | 13.04 | 57 | 305597 | 1.27 | ppb | 97 |
| 43) Heptane | 13.37 | 43 | 101724 | 1.21 | ppb | 92 |
| 44) Trichloroethene | 13.51 | 130 | 99203 | 1.26 | ppb | 94 |
| 45) 1,2-dichloropropane | 13.61 | 63 | 81452 | 1.24 | ppb | 94 |

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

AO102404.D AN24_1UG.M

Wed Nov 15 11:31:01 2017

MSD1

Page 1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AO102404.D

Vial: 5

Acq On : 24 Oct 2017 5:10 pm

Operator: RJP

Sample : A1UG_1.25

Inst : MSD #1

Misc : AN24_1UG

Multiplr: 1.00

MS Integration Params: RTEINT.P

Quant Time: Oct 25 08:16:29 2017

Quant Results File: AN24_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\AN24_1UG.M (RTE Integrator)

Title : TO-15 VOA Standards for 5 point calibration

Last Update : Wed Oct 25 08:16:00 2017

Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AO102405.D

DataAcq Meth : 1UG_RUN

| Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|-------------------------------|-------|------|------------|------|------|--------|
| 46) Bromodichloromethane | 13.93 | 83 | 180005 | 1.24 | ppb | 96 |
| 47) cis-1,3-dichloropropene | 14.73 | 75 | 129715 | 1.27 | ppb | 97 |
| 48) trans-1,3-dichloropropene | 15.48 | 75 | 114585 | 1.28 | ppb | 98 |
| 49) 1,1,2-trichloroethane | 15.81 | 97 | 99289 | 1.27 | ppb | 91 |
| 51) Toluene | 15.58 | 92 | 146326 | 1.22 | ppb | 89 |
| 52) Methyl Isobutyl Ketone | 14.63 | 43 | 103514m #) | 1.14 | ppb | |
| 53) Dibromochloromethane | 16.54 | 129 | 194924 | 1.24 | ppb | 98 |
| 54) Methyl Butyl Ketone | 15.97 | 43 | 56100 | 1.14 | ppb | 98 |
| 55) 1,2-dibromoethane | 16.80 | 107 | 157469 | 1.21 | ppb | 97 |
| 56) Tetrachloroethylene | 16.63 | 164 | 101918 | 1.24 | ppb | 86 |
| 57) Chlorobenzene | 17.65 | 112 | 204385 | 1.23 | ppb | 86 |
| 58) Ethylbenzene | 17.91 | 91 | 330151 | 1.23 | ppb | 99 |
| 59) m&p-xylene | 18.09 | 91 | 485568 | 2.52 | ppb | 97 |
| 60) Nonane | 18.50 | 43 | 152290 | 1.25 | ppb | 97 |
| 61) Styrene | 18.58 | 104 | 158584 | 1.31 | ppb | 75 |
| 62) Bromoform | 18.71 | 173 | 176582 | 1.24 | ppb | 95 |
| 63) o-xylene | 18.61 | 91 | 265505 | 1.26 | ppb | 95 |
| 64) Cumene | 19.20 | 105 | 349611 | 1.28 | ppb | 97 |
| 66) 1,1,2,2-tetrachloroethane | 19.07 | 83 | 221471 | 1.26 | ppb | 100 |
| 67) Propylbenzene | 19.79 | 120 | 90387 | 1.28 | ppb | # 61 |
| 68) 2-Chlorotoluene | 19.84 | 126 | 88550 | 1.22 | ppb | 91 |
| 69) 4-ethyltoluene | 19.96 | 105 | 281518 | 1.30 | ppb | 99 |
| 70) 1,3,5-trimethylbenzene | 20.03 | 105 | 251688 | 1.32 | ppb | 98 |
| 71) 1,2,4-trimethylbenzene | 20.52 | 105 | 191970 | 1.38 | ppb | 95 |
| 72) 1,3-dichlorobenzene | 20.85 | 146 | 201994 | 1.27 | ppb | 98 |
| 73) benzyl chloride | 20.93 | 91 | 171704 | 1.35 | ppb | 97 |
| 74) 1,4-dichlorobenzene | 21.00 | 146 | 192116 | 1.23 | ppb | 95 |
| 75) 1,2,3-trimethylbenzene | 21.05 | 105 | 239294 | 1.35 | ppb | 100 |
| 76) 1,2-dichlorobenzene | 21.36 | 146 | 196538 | 1.27 | ppb | 99 |
| 77) 1,2,4-trichlorobenzene | 23.46 | 180 | 88657 | 1.35 | ppb | 96 |
| 78) Naphthalene | 23.69 | 128 | 123863 | 1.53 | ppb | 93 |
| 79) Hexachloro-1,3-butadiene | 23.81 | 225 | 136009 | 1.30 | ppb | 94 |

 (#) = qualifier out of range (m) = manual integration (+) = signals summed
 AO102404.D AN24_1UG.M Wed Nov 15 11:31:02 2017 MSD1

Quantitation Report (QT Reviewed)

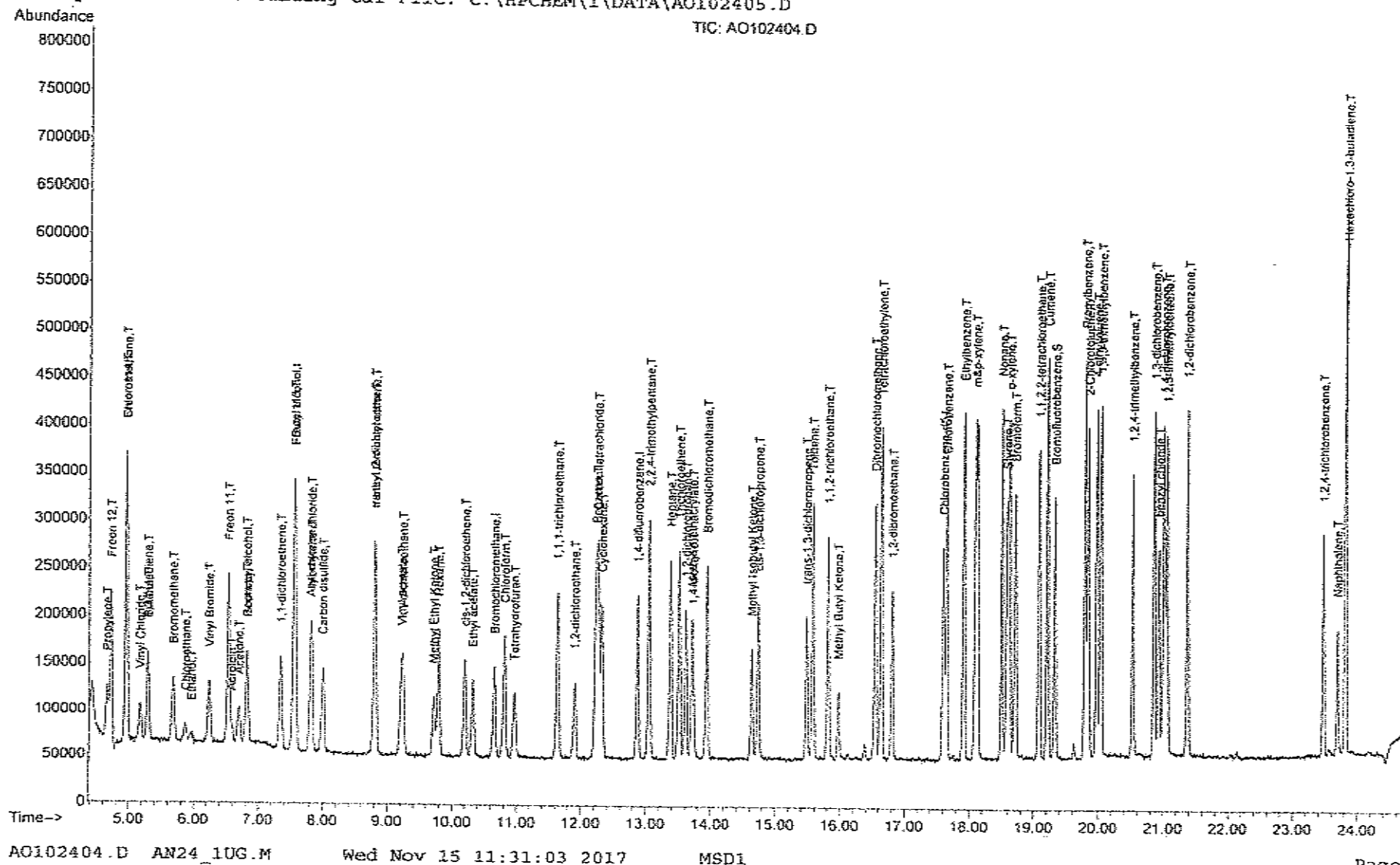
Data File : C:\HPCHEM\1\DATA2\AO102404.D
 Acq On : 24 Oct 2017 5:10 pm
 Sample : A1UG_1.25
 Misc : AN24_1UG
 MS Integration Params: RTEINT.P
 Quant Time: Oct 25 7:21 2017

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

Quant Results File: AN24_1UG.RES

Method : C:\HPCHEM\1\METHODS\AN24_1UG.M (RTE Integrator)
 Title : TO-15 VOA Standards for 5 point calibration
 Last Update : Wed Oct 25 08:32:47 2017
 Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AO102405.D

TIC: AO102404.D



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AO102405.D
 Acq On : 24 Oct 2017 5:50 pm
 Sample : A1UG_1.0
 Misc : AN24_1UG
 MS Integration Params: RTEINT.P
 Quant Time: Oct 25 08:16:30 2017

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

Quant Results File: AN24_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\AN24_1UG.M (RTE Integrator)
 Title : TO-15 VOA Standards for 5 point calibration
 Last Update : Wed Oct 25 08:16:00 2017
 Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AO102405.D
 DataAcq Meth : 1UG_RUN

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------|-------|------|----------|------|-------|----------|
| 1) Bromochloromethane | 10.65 | 128 | 42037 | 1.00 | ppb | 0.01 |
| 35) 1,4-difluorobenzene | 12.87 | 114 | 192678 | 1.00 | ppb | 0.00 |
| 50) Chlorobenzene-d5 | 17.59 | 117 | 167842 | 1.00 | ppb | 0.00 |

System Monitoring Compounds

| | | | | | | |
|------------------------|-------|-------|----------|----------|-----|---------|
| 65) Bromofluorobenzene | 19.32 | 95 | 113190 | 1.00 | ppb | 0.00 |
| Spiked Amount | 1.000 | Range | 70 - 130 | Recovery | = | 100.00% |

Target Compounds

| | R.T. | QIon | Response | Conc | Units | Qvalue |
|------------------------------|-------|------|----------|------|-------|--------|
| 2) Propylene | 4.68 | 41 | 43720 | 1.00 | ppb | 92 |
| 3) Freon 12 | 4.74 | 85 | 196185 | 1.00 | ppb | 99 |
| 4) Chloromethane | 4.96 | 50 | 41836 | 1.00 | ppb | 84 |
| 5) Freon 114 | 4.96 | 85 | 162804 | 1.00 | ppb | 97 |
| 6) Vinyl Chloride | 5.18 | 62 | 45151 | 1.00 | ppb | 96 |
| 7) Butane | 5.30 | 43 | 47963 | 1.00 | ppb | 92 |
| 8) 1,3-butadiene | 5.30 | 39 | 33988 | 1.00 | ppb | 99 |
| 9) Bromomethane | 5.68 | 94 | 61731 | 1.00 | ppb | 86 |
| 10) Chloroethane | 5.87 | 64 | 21402 | 1.00 | ppb | 95 |
| 11) Ethanol | 5.96 | 45 | 13148 | 1.00 | ppb | # 41 |
| 12) Acrolein | 6.59 | 56 | 15291 | 1.00 | ppb | 95 |
| 13) Vinyl Bromide | 6.24 | 106 | 63817 | 1.00 | ppb | 87 |
| 14) Freon 11 | 6.53 | 101 | 191813 | 1.00 | ppb | 98 |
| 15) Acetone | 6.70 | 58 | 18034 | 1.00 | ppb | 90 |
| 16) Pentane | 6.83 | 42 | 40293 | 1.00 | ppb | # 70 |
| 17) Isopropyl alcohol | 6.82 | 45 | 57325 | 1.00 | ppb | # 1 |
| 18) 1,1-dichloroethene | 7.35 | 96 | 51689 | 1.00 | ppb | 91 |
| 19) Freon 113 | 7.55 | 101 | 115749 | 1.00 | ppb | 96 |
| 20) t-Butyl alcohol | 7.56 | 59 | 77456 | 1.00 | ppb | 92 |
| 21) Methylene chloride | 7.82 | 84 | 50826 | 1.00 | ppb | 89 |
| 22) Allyl chloride | 7.81 | 41 | 58636 | 1.00 | ppb | 96 |
| 23) Carbon disulfide | 8.00 | 76 | 164678 | 1.00 | ppb | 90 |
| 24) trans-1,2-dichloroethene | 8.79 | 61 | 76999 | 1.00 | ppb | 98 |
| 25) methyl tert-butyl ether | 8.81 | 73 | 126836 | 1.00 | ppb | 98 |
| 26) 1,1-dichloroethane | 9.24 | 63 | 96885 | 1.00 | ppb | 99 |
| 27) Vinyl acetate | 9.21 | 43 | 114411 | 1.00 | ppb | 95 |
| 28) Methyl Ethyl Ketone | 9.71 | 72 | 23134 | 1.00 | ppb | # 66 |
| 29) cis-1,2-dichloroethene | 10.19 | 61 | 72599 | 1.00 | ppb | 99 |
| 30) Hexane | 9.79 | 57 | 75966 | 1.00 | ppb | 86 |
| 31) Ethyl acetate | 10.31 | 43 | 105745 | 1.00 | ppb | 89 |
| 32) Chloroform | 10.81 | 83 | 129294 | 1.00 | ppb | 98 |
| 33) Tetrahydrofuran | 10.96 | 42 | 46871 | 1.00 | ppb | 95 |
| 34) 1,2-dichloroethane | 11.90 | 62 | 75342 | 1.00 | ppb | 99 |
| 36) 1,1,1-trichloroethane | 11.63 | 97 | 131168 | 1.00 | ppb | 90 |
| 37) Cyclohexane | 12.31 | 56 | 75172 | 1.00 | ppb | 94 |
| 38) Carbon tetrachloride | 12.26 | 117 | 143497 | 1.00 | ppb | 95 |
| 39) Benzene | 12.22 | 78 | 171121 | 1.00 | ppb | 98 |
| 40) Methyl methacrylate | 13.70 | 41 | 59149 | 1.00 | ppb | 96 |
| 41) 1,4-dioxane | 13.73 | 88 | 36676 | 1.00 | ppb | # 65 |
| 42) 2,2,4-trimethylpentane | 13.05 | 57 | 239805 | 1.00 | ppb | 96 |
| 43) Heptane | 13.37 | 43 | 83770 | 1.00 | ppb | 95 |
| 44) Trichloroethene | 13.50 | 130 | 78427 | 1.00 | ppb | 95 |
| 45) 1,2-dichloropropane | 13.61 | 63 | 65589 | 1.00 | ppb | 92 |

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

AO102405.D AN24_1UG.M Wed Nov 15 11:31:05 2017 MSD1

Page 1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AO102405.D

Vial: 6

Acq On : 24 Oct 2017 5:50 pm

Operator: RJP

Sample : A1UG_1.0

Inst : MSD #1

Misc : AN24_1UG

Multiplr: 1.00

MS Integration Params: RTEINT.P

Quant Time: Oct 25 08:16:30 2017

Quant Results File: AN24_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\AN24_1UG.M (RTE Integrator)

Title : TO-15 VOA Standards for 5 point calibration

Last Update : Wed Oct 25 08:16:00 2017

Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AO102405.D

DataAcq Meth : 1UG_RUN

| Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|-------------------------------|-------|------|----------|------|------|--------|
| 46) Bromodichloromethane | 13.93 | 83 | 144226 | 1.00 | ppb | 96 |
| 47) cis-1,3-dichloropropene | 14.73 | 75 | 101575 | 1.00 | ppb | 97 |
| 48) trans-1,3-dichloropropene | 15.48 | 75 | 89374 | 1.00 | ppb | 96 |
| 49) 1,1,2-trichloroethane | 15.81 | 97 | 78107 | 1.00 | ppb | 91 |
| 51) Toluene | 15.57 | 92 | 117784 | 1.00 | ppb | 88 |
| 52) Methyl Isobutyl Ketone | 14.63 | 43 | 89043 | 1.00 | ppb | 99 |
| 53) Dibromochloromethane | 16.54 | 129 | 154391 | 1.00 | ppb | 98 |
| 54) Methyl Butyl Ketone | 15.97 | 43 | 48264 | 1.00 | ppb | 98 |
| 55) 1,2-dibromoethane | 16.80 | 107 | 127675 | 1.00 | ppb | 96 |
| 56) Tetrachloroethylene | 16.63 | 164 | 80672 | 1.00 | ppb | 88 |
| 57) Chlorobenzene | 17.65 | 112 | 163396 | 1.00 | ppb | 85 |
| 58) Ethylbenzene | 17.91 | 91 | 262614 | 1.00 | ppb | 99 |
| 59) m&p-xylene | 18.09 | 91 | 378327 | 2.00 | ppb | 97 |
| 60) Nonane | 18.50 | 43 | 119481 | 1.00 | ppb | 96 |
| 61) Styrene | 18.58 | 104 | 118820 | 1.00 | ppb | 75 |
| 62) Bromoform | 18.71 | 173 | 139939 | 1.00 | ppb | 95 |
| 63) o-xylene | 18.61 | 91 | 207347 | 1.00 | ppb | 94 |
| 64) Cumene | 19.20 | 105 | 268692 | 1.00 | ppb | 96 |
| 66) 1,1,2,2-tetrachloroethane | 19.08 | 83 | 172925 | 1.00 | ppb | 100 |
| 67) Propylbenzene | 19.79 | 120 | 69445 | 1.00 | ppb | # 60 |
| 68) 2-Chlorotoluene | 19.84 | 126 | 71020 | 1.00 | ppb | # 87 |
| 69) 4-ethyltoluene | 19.97 | 105 | 211565 | 1.00 | ppb | 98 |
| 70) 1,3,5-trimethylbenzene | 20.03 | 105 | 187177 | 1.00 | ppb | 98 |
| 71) 1,2,4-trimethylbenzene | 20.52 | 105 | 136061 | 1.00 | ppb | 96 |
| 72) 1,3-dichlorobenzene | 20.85 | 146 | 156263 | 1.00 | ppb | 98 |
| 73) benzyl chloride | 20.93 | 91 | 125012 | 1.00 | ppb | 99 |
| 74) 1,4-dichlorobenzene | 21.00 | 146 | 152529 | 1.00 | ppb | 95 |
| 75) 1,2,3-trimethylbenzene | 21.05 | 105 | 173683 | 1.00 | ppb | 99 |
| 76) 1,2-dichlorobenzene | 21.36 | 146 | 151572 | 1.00 | ppb | 99 |
| 77) 1,2,4-trichlorobenzene | 23.47 | 180 | 64327 | 1.00 | ppb | 96 |
| 78) Naphthalene | 23.69 | 128 | 79189 | 1.00 | ppb | 93 |
| 79) Hexachloro-1,3-butadiene | 23.80 | 225 | 102396 | 1.00 | ppb | 96 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed
 AO102405.D AN24_1UG.M Wed Nov 15 11:31:06 2017 MSD1

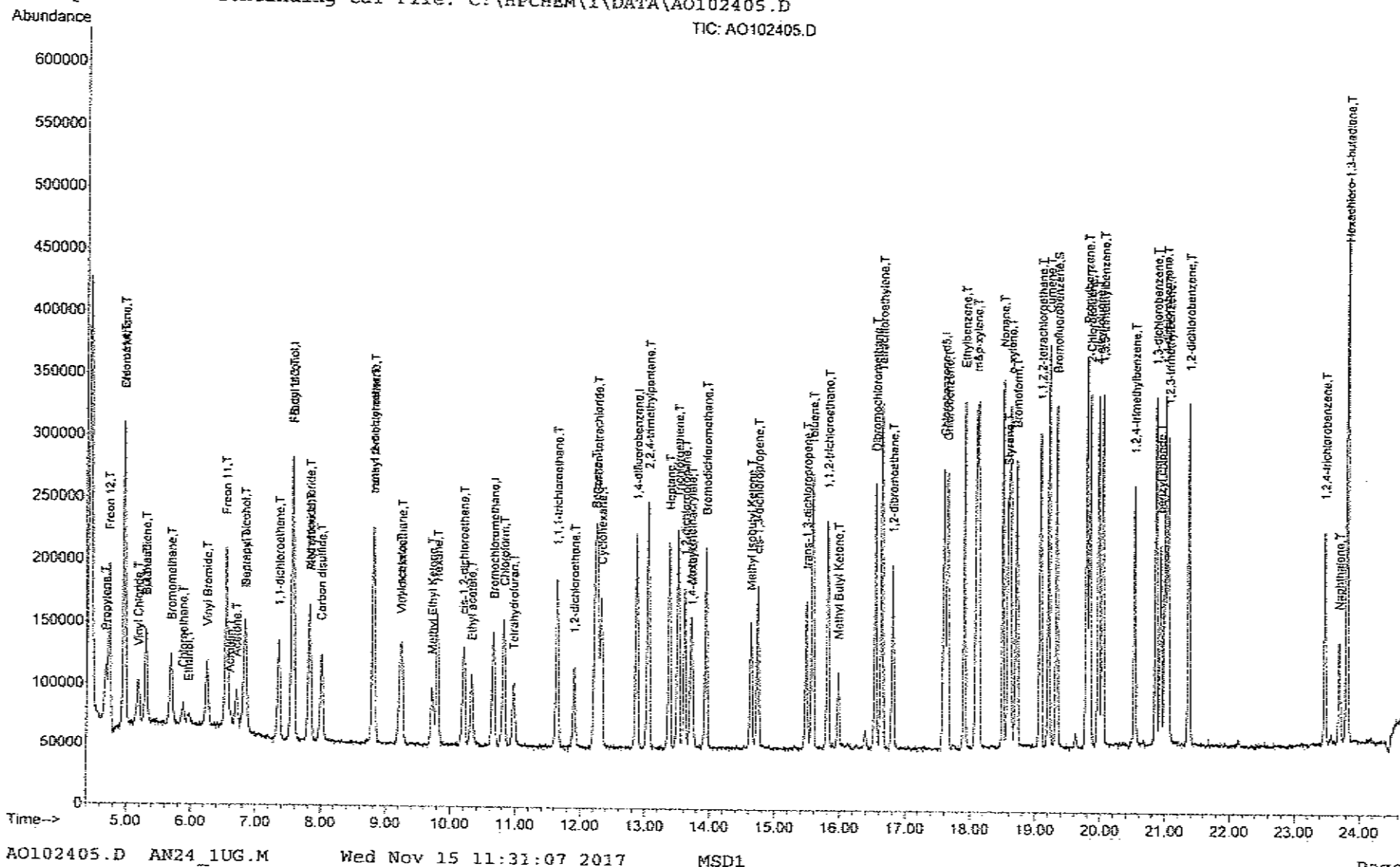
Quantitation Report (Q1T Reviewed)

Data File : C:\HPCHEM\1\DATA2\AO102405.D
 Acq On : 24 Oct 2017 5:50 pm
 Sample : A1UG_1.0
 Misc : AN24_1UG
 MS Integration Params: RTEINT.P
 Quant Time: Oct 25 7:16 2017

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

Quant Results File: AN24_1UG.RES

Method : C:\HPCHEM\1\METHODS\AN24_1UG.M (RTE Integrator)
 Title : TO-15 VOA Standards for 5 point calibration
 Last Update : Wed Oct 25 08:32:47 2017
 Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AO102405.D



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AO102406.D

Vial: 7

Acq On : 24 Oct 2017 6:28 pm

Operator: RJP

Sample : A1UG_0.75

Inst : MSD #1

Misc : AN24_1UG

Multiplier: 1.00

MS Integration Params: RTEINT.P

Quant Time: Oct 25 08:16:31 2017

Quant Results File: AN24_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\AN24_1UG.M (RTE Integrator)

Title : TO-15 VOA Standards for 5 point calibration

Last Update : Wed Oct 25 08:16:00 2017

Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AO102405.D

DataAcq Meth : 1UG_RUN

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------|-------|------|----------|------|-------|----------|
| 1) Bromochloromethane | 10.65 | 128 | 41568 | 1.00 | ppb | 0.00 |
| 35) 1,4-difluorobenzene | 12.86 | 114 | 189808 | 1.00 | ppb | 0.00 |
| 50) Chlorobenzene-d5 | 17.59 | 117 | 167490 | 1.00 | ppb | 0.00 |

System Monitoring Compounds

| | | | | | | |
|------------------------|-------|-------|----------|----------|-----|---------|
| 65) Bromofluorobenzene | 19.32 | 95 | 113261 | 1.00 | ppb | 0.00 |
| Spiked Amount | 1.000 | Range | 70 - 130 | Recovery | = | 100.00% |

Target Compounds

| | | | | | | Qvalue |
|------------------------------|-------|-----|--------|------|-----|--------|
| 2) Propylene | 4.67 | 41 | 31721 | 0.73 | ppb | 98 |
| 3) Freon 12 | 4.74 | 85 | 144390 | 0.74 | ppb | 98 |
| 4) Chloromethane | 4.95 | 50 | 31763 | 0.77 | ppb | 82 |
| 5) Freon 114 | 4.96 | 85 | 121791 | 0.76 | ppb | 98 |
| 6) Vinyl Chloride | 5.17 | 62 | 32973 | 0.74 | ppb | 88 |
| 7) Butane | 5.30 | 43 | 36883 | 0.78 | ppb | 89 |
| 8) 1,3-butadiene | 5.29 | 39 | 25859 | 0.77 | ppb | 99 |
| 9) Bromomethane | 5.68 | 94 | 46549 | 0.76 | ppb | 86 |
| 10) Chloroethane | 5.86 | 64 | 15062 | 0.71 | ppb | 98 |
| 11) Ethanol | 5.96 | 45 | 8656 | 0.67 | ppb | 85 |
| 12) Acrolein | 6.59 | 56 | 11627 | 0.77 | ppb | 94 |
| 13) Vinyl Bromide | 6.24 | 106 | 47321 | 0.75 | ppb | 88 |
| 14) Freon 11 | 6.53 | 101 | 143523 | 0.76 | ppb | 99 |
| 15) Acetone | 6.69 | 58 | 13167 | 0.74 | ppb | # 78 |
| 16) Pentane | 6.83 | 42 | 27127m | 0.68 | ppb | |
| 17) Isopropyl alcohol | 6.81 | 45 | 41124m | 0.73 | ppb | |
| 18) 1,1-dichloroethene | 7.34 | 96 | 39844 | 0.78 | ppb | 93 |
| 19) Freon 113 | 7.55 | 101 | 86123 | 0.75 | ppb | 95 |
| 20) t-Butyl alcohol | 7.56 | 59 | 50136 | 0.65 | ppb | 92 |
| 21) Methylene chloride | 7.82 | 84 | 38549 | 0.77 | ppb | 91 |
| 22) Allyl chloride | 7.80 | 41 | 44286 | 0.76 | ppb | 80 |
| 23) Carbon disulfide | 7.99 | 76 | 121973 | 0.75 | ppb | 89 |
| 24) trans-1,2-dichloroethene | 8.80 | 61 | 57278 | 0.75 | ppb | 97 |
| 25) methyl tert-butyl ether | 8.80 | 73 | 88271 | 0.70 | ppb | 100 |
| 26) 1,1-dichloroethane | 9.24 | 63 | 73876 | 0.77 | ppb | 98 |
| 27) Vinyl acetate | 9.20 | 43 | 77701 | 0.69 | ppb | 96 |
| 28) Methyl Ethyl Ketone | 9.71 | 72 | 13902m | 0.61 | ppb | |
| 29) cis-1,2-dichloroethene | 10.19 | 61 | 53161 | 0.74 | ppb | 99 |
| 30) Hexane | 9.78 | 57 | 56287 | 0.75 | ppb | 87 |
| 31) Ethyl acetate | 10.31 | 43 | 66918m | 0.64 | ppb | |
| 32) Chloroform | 10.80 | 83 | 95804 | 0.75 | ppb | 98 |
| 33) Tetrahydrofuran | 10.96 | 42 | 29582 | 0.64 | ppb | 92 |
| 34) 1,2-dichloroethane | 11.89 | 62 | 56744 | 0.76 | ppb | 98 |
| 36) 1,1,1-trichloroethane | 11.64 | 97 | 96656 | 0.75 | ppb | 87 |
| 37) Cyclohexane | 12.31 | 56 | 55558 | 0.75 | ppb | 94 |
| 38) Carbon tetrachloride | 12.25 | 117 | 106170 | 0.75 | ppb | 93 |
| 39) Benzene | 12.22 | 78 | 126631 | 0.75 | ppb | 98 |
| 40) Methyl methacrylate | 13.70 | 41 | 36276m | 0.62 | ppb | |
| 41) 1,4-dioxane | 13.73 | 88 | 21505m | 0.60 | ppb | |
| 42) 2,2,4-trimethylpentane | 13.05 | 57 | 179001 | 0.76 | ppb | 96 |
| 43) Heptane | 13.37 | 43 | 61954 | 0.75 | ppb | 94 |
| 44) Trichloroethene | 13.51 | 130 | 59062 | 0.76 | ppb | 95 |
| 45) 1,2-dichloropropane | 13.61 | 63 | 49328 | 0.76 | ppb | 96 |

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

AO102406.D AN24_1UG.M

Wed Nov 15 11:31:09 2017

MSD1

Page 1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AO102406.D

Acq On : 24 Oct 2017 6:28 pm

Sample : A1UG_0.75

Misc : AN24_1UG

MS Integration Params: RTEINT.P

Quant Time: Oct 25 08:16:31 2017

Vial: 7

Operator: RJP

Inst : MSD #1

Multiplr: 1.00

Quant Results File: AN24_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\AN24_1UG.M (RTE Integrator)

Title : TO-15 VOA Standards for 5 point calibration

Last Update : Wed Oct 25 08:16:00 2017

Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AO102405.D

DataAcq Meth : 1UG_RUN

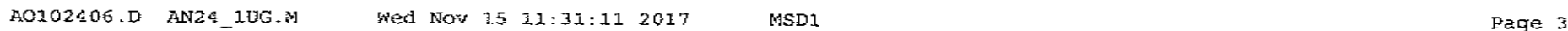
| Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|-------------------------------|-------|------|----------|------|------|--------|
| 46) Bromodichloromethane | 13.94 | 83 | 105509 | 0.74 | ppb | 97 |
| 47) cis-1,3-dichloropropene | 14.73 | 75 | 75007 | 0.75 | ppb | 98 |
| 48) trans-1,3-dichloropropene | 15.48 | 75 | 66607 | 0.76 | ppb | 96 |
| 49) 1,1,2-trichloroethane | 15.81 | 97 | 58645 | 0.76 | ppb | 93 |
| 51) Toluene | 15.57 | 92 | 88787 | 0.76 | ppb | 89 |
| 52) Methyl Isobutyl Ketone | 14.63 | 43 | 57458m | 0.65 | ppb | |
| 53) Dibromochloromethane | 16.54 | 129 | 115203 | 0.75 | ppb | 99 |
| 54) Methyl Butyl Ketone | 15.97 | 43 | 34734m | 0.72 | ppb | |
| 55) 1,2-dibromoethane | 16.80 | 107 | 93287 | 0.73 | ppb | 99 |
| 56) Tetrachloroethylene | 16.63 | 164 | 61403 | 0.76 | ppb | 86 |
| 57) Chlorobenzene | 17.64 | 112 | 122307 | 0.75 | ppb | 86 |
| 58) Ethylbenzene | 17.91 | 91 | 192459 | 0.73 | ppb | 99 |
| 59) m&p-xylene | 18.09 | 91 | 275372 | 1.46 | ppb | 97 |
| 60) Nonane | 18.50 | 43 | 87968 | 0.74 | ppb | 97 |
| 61) Styrene | 18.58 | 104 | 85510 | 0.72 | ppb | 75 |
| 62) Bromoform | 18.71 | 173 | 104189 | 0.75 | ppb | 95 |
| 63) o-xylene | 18.61 | 91 | 147604 | 0.71 | ppb | 95 |
| 64) Cumene | 19.20 | 105 | 190780 | 0.71 | ppb | 96 |
| 66) 1,1,2,2-tetrachloroethane | 19.07 | 83 | 126731 | 0.73 | ppb | 99 |
| 67) Propylbenzene | 19.79 | 120 | 47334 | 0.68 | ppb | # 62 |
| 68) 2-Chlorotoluene | 19.84 | 126 | 49639 | 0.70 | ppb | 94 |
| 69) 4-ethyltoluene | 19.97 | 105 | 142175 | 0.67 | ppb | 99 |
| 70) 1,3,5-trimethylbenzene | 20.03 | 105 | 121600 | 0.65 | ppb | 99 |
| 71) 1,2,4-trimethylbenzene | 20.53 | 105 | 87340 | 0.64 | ppb | 97 |
| 72) 1,3-dichlorobenzene | 20.85 | 146 | 112960 | 0.72 | ppb | 98 |
| 73) benzyl chloride | 20.93 | 91 | 75908 | 0.61 | ppb | 99 |
| 74) 1,4-dichlorobenzene | 21.00 | 146 | 108716 | 0.71 | ppb | 95 |
| 75) 1,2,3-trimethylbenzene | 21.05 | 105 | 105373 | 0.61 | ppb | 99 |
| 76) 1,2-dichlorobenzene | 21.37 | 146 | 106912 | 0.71 | ppb | 98 |
| 77) 1,2,4-trichlorobenzene | 23.46 | 180 | 41761 | 0.65 | ppb | 96 |
| 78) Naphthalene | 23.69 | 128 | 45277m | 0.57 | ppb | |
| 79) Hexachloro-1,3-butadiene | 23.81 | 225 | 63260 | 0.62 | ppb | 97 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed
 AO102406.D AN24_1UG.M Wed Nov 15 11:31:10 2017 MSD1

Vial: 7
Operator: RJP
Inst : MSD #1
Multiplr: 1.00

Quant Results File: AN24 1UG.RES

Method : C:\HPCHEM\1\METHODS\AN24_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed Oct 25 08:32:47 2017
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AO102405.D



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AQ102407.D

Acq On : 24 Oct 2017 7:06 pm

Sample : A1UG_0.50

Misc : AN24_1UG

MS Integration Params: RTEINT.P

Quant Time: Oct 25 08:16:32 2017

Vial: 8

Operator: RJP

Inst : MSD #1

Multiplr: 1.00

Quant Results File: AN24_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\AN24_1UG.M (RTE Integrator)

Title : TO-15 VOA Standards for 5 point calibration

Last Update : Wed Oct 25 08:16:00 2017

Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AQ102405.D

DataAcq Meth : 1UG_RUN

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------|-------|------|----------|------|-------|----------|
| 1) Bromochloromethane | 10.65 | 128 | 41524 | 1.00 | ppb | 0.00 |
| 35) 1,4-difluorobenzene | 12.86 | 114 | 188880 | 1.00 | ppb | 0.00 |
| 50) Chlorobenzene-d5 | 17.59 | 117 | 164323 | 1.00 | ppb | 0.00 |

System Monitoring Compounds

| | | | | | | |
|------------------------|-------|-------|----------|----------|-----|---------|
| 65) Bromofluorobenzene | 19.32 | 95 | 110843 | 1.00 | ppb | 0.00 |
| Spiked Amount | 1.000 | Range | 70 - 130 | Recovery | = | 100.00% |

Target Compounds

| | | | | | | Qvalue |
|------------------------------|-------|-----|----------|------|-----|--------|
| 2) Propylene | 4.67 | 41 | 21920 | 0.51 | ppb | 95 |
| 3) Freon 12 | 4.73 | 85 | 97178 | 0.50 | ppb | 99 |
| 4) Chloromethane | 4.95 | 50 | 22697 | 0.55 | ppb | 73 |
| 5) Freon 114 | 4.96 | 85 | 81234 | 0.51 | ppb | 98 |
| 6) Vinyl Chloride | 5.17 | 62 | 22692 | 0.51 | ppb | 75 |
| 7) Butane | 5.29 | 43 | 23221 | 0.49 | ppb | 97 |
| 8) 1,3-butadiene | 5.29 | 39 | 17571 | 0.52 | ppb | 99 |
| 9) Bromomethane | 5.68 | 94 | 31890 | 0.52 | ppb | 94 |
| 10) Chloroethane | 5.86 | 64 | 10242 | 0.48 | ppb | 90 |
| 11) Ethanol | 5.95 | 45 | 6854 | 0.53 | ppb | # 36 |
| 12) Acrolein | 6.58 | 56 | 7575 | 0.50 | ppb | 80 |
| 13) Vinyl Bromide | 6.24 | 106 | 32833 | 0.52 | ppb | 89 |
| 14) Freon 11 | 6.53 | 101 | 97641 | 0.52 | ppb | 99 |
| 15) Acetone | 6.69 | 58 | 10275 | 0.58 | ppb | # 76 |
| 16) Pentane | 6.82 | 42 | 19048m/) | 0.48 | ppb | |
| 17) Isopropyl alcohol | 6.81 | 45 | 26975 | 0.48 | ppb | # 1 |
| 18) 1,1-dichloroethene | 7.34 | 96 | 25637 | 0.50 | ppb | 87 |
| 19) Freon 113 | 7.55 | 101 | 58769 | 0.51 | ppb | 95 |
| 20) t-Butyl alcohol | 7.56 | 59 | 33975 | 0.44 | ppb | # 88 |
| 21) Methylene chloride | 7.82 | 84 | 25849 | 0.51 | ppb | 88 |
| 22) Allyl chloride | 7.80 | 41 | 29044 | 0.50 | ppb | 93 |
| 23) Carbon disulfide | 8.00 | 76 | 84107 | 0.52 | ppb | 89 |
| 24) trans-1,2-dichloroethene | 8.79 | 61 | 37337 | 0.49 | ppb | 97 |
| 25) methyl tert-butyl ether | 8.81 | 73 | 64976 | 0.52 | ppb | 97 |
| 26) 1,1-dichloroethane | 9.23 | 63 | 49161 | 0.51 | ppb | 98 |
| 27) Vinyl acetate | 9.20 | 43 | 59162 | 0.52 | ppb | 92 |
| 28) Methyl Ethyl Ketone | 9.71 | 72 | 12958 | 0.57 | ppb | # 1 |
| 29) cis-1,2-dichloroethene | 10.19 | 61 | 36116 | 0.50 | ppb | 97 |
| 30) Hexane | 9.79 | 57 | 36650 | 0.49 | ppb | 88 |
| 31) Ethyl acetate | 10.32 | 43 | 56794 | 0.54 | ppb | 89 |
| 32) Chloroform | 10.80 | 83 | 64281 | 0.50 | ppb | 99 |
| 33) Tetrahydrofuran | 10.96 | 42 | 24551 | 0.53 | ppb | 94 |
| 34) 1,2-dichloroethane | 11.89 | 62 | 38047 | 0.51 | ppb | 99 |
| 36) 1,1,1-trichloroethane | 11.63 | 97 | 66041 | 0.51 | ppb | 91 |
| 37) Cyclohexane | 12.31 | 56 | 36241 | 0.49 | ppb | 91 |
| 38) Carbon tetrachloride | 12.26 | 117 | 71319 | 0.51 | ppb | 94 |
| 39) Benzene | 12.22 | 78 | 86221 | 0.51 | ppb | 98 |
| 40) Methyl methacrylate | 13.70 | 41 | 31421 | 0.54 | ppb | 98 |
| 41) 1,4-dioxane | 13.74 | 88 | 14665 | 0.41 | ppb | # 65 |
| 42) 2,2,4-trimethylpentane | 13.04 | 57 | 120411 | 0.51 | ppb | 97 |
| 43) Heptane | 13.37 | 43 | 41820 | 0.51 | ppb | 96 |
| 44) Trichloroethene | 13.50 | 130 | 38573 | 0.50 | ppb | 97 |
| 45) 1,2-dichloropropane | 13.60 | 63 | 33046 | 0.51 | ppb | 95 |

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

AQ102407.D AN24_1UG.M

Wed Nov 15 11:31:13 2017

MSD1

Page 1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AO102407.D

Vial: 8

Acq On : 24 Oct 2017 7:06 pm

Operator: RJP

Sample : ALUG_0.50

Inst : MSD #1

Misc : AN24_1UG

Multiplr: 1.00

MS Integration Params: RTEINT.P

Quant Time: Oct 25 08:16:32 2017

Quant Results File: AN24_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\AN24_1UG.M (RTE Integrator)

Title : TO-15 VOA Standards for 5 point calibration

Last Update : Wed Oct 25 08:16:00 2017

Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AO102405.D

DataAcq Meth : 1UG_RUN

| Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|-------------------------------|-------|------|----------|------|------|--------|
| 46) Bromodichloromethane | 13.93 | 83 | 72502 | 0.51 | ppb | 95 |
| 47) cis-1,3-dichloropropene | 14.73 | 75 | 50959 | 0.51 | ppb | 98 |
| 48) trans-1,3-dichloropropene | 15.48 | 75 | 45319 | 0.52 | ppb | 96 |
| 49) 1,1,2-trichloroethane | 15.81 | 97 | 39318 | 0.51 | ppb | 90 |
| 51) Toluene | 15.57 | 92 | 59226 | 0.51 | ppb | 91 |
| 52) Methyl Isobutyl Ketone | 14.63 | 43 | 38910m/1 | 0.45 | ppb | |
| 53) Dibromochloromethane | 16.54 | 129 | 78373 | 0.52 | ppb | 96 |
| 54) Methyl Butyl Ketone | 15.97 | 43 | 21366 | 0.45 | ppb | 92 |
| 55) 1,2-dibromoethane | 16.80 | 107 | 63521 | 0.51 | ppb | 98 |
| 56) Tetrachloroethylene | 16.63 | 164 | 40178 | 0.51 | ppb | 85 |
| 57) Chlorobenzene | 17.64 | 112 | 81582 | 0.51 | ppb | 86 |
| 58) Ethylbenzene | 17.91 | 91 | 133250 | 0.52 | ppb | 100 |
| 59) m&p-xylene | 18.09 | 91 | 188673 | 1.02 | ppb | 97 |
| 60) Nonane | 18.50 | 43 | 59983 | 0.51 | ppb | 99 |
| 61) Styrene | 18.58 | 104 | 57334 | 0.49 | ppb | 71 |
| 62) Bromoform | 18.71 | 173 | 70495 | 0.51 | ppb | 97 |
| 63) o-xylene | 18.61 | 91 | 103262 | 0.51 | ppb | 96 |
| 64) Cumene | 19.20 | 105 | 137352 | 0.52 | ppb | 97 |
| 66) 1,1,2,2-tetrachloroethane | 19.08 | 83 | 90816 | 0.54 | ppb | 97 |
| 67) Propylbenzene | 19.79 | 120 | 35097 | 0.52 | ppb | # 60 |
| 68) 2-Chlorotoluene | 19.84 | 126 | 35246 | 0.51 | ppb | # 87 |
| 69) 4-ethyltoluene | 19.97 | 105 | 101025 | 0.49 | ppb | 99 |
| 70) 1,3,5-trimethylbenzene | 20.03 | 105 | 90554 | 0.49 | ppb | 99 |
| 71) 1,2,4-trimethylbenzene | 20.52 | 105 | 67560 | 0.51 | ppb | 93 |
| 72) 1,3-dichlorobenzene | 20.85 | 146 | 78520 | 0.51 | ppb | 98 |
| 73) benzyl chloride | 20.93 | 91 | 64372 | 0.53 | ppb | 98 |
| 74) 1,4-dichlorobenzene | 21.00 | 146 | 78028 | 0.52 | ppb | 95 |
| 75) 1,2,3-trimethylbenzene | 21.05 | 105 | 84341 | 0.50 | ppb | 98 |
| 76) 1,2-dichlorobenzene | 21.36 | 146 | 77059 | 0.52 | ppb | 97 |
| 77) 1,2,4-trichlorobenzene | 23.47 | 180 | 33172 | 0.53 | ppb | 98 |
| 78) Naphthalene | 23.68 | 128 | 27764m/1 | 0.36 | ppb | |
| 79) Hexachloro-1,3-butadiene | 23.80 | 225 | 54053 | 0.54 | ppb | 96 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed
 AO102407.D AN24_1UG.M Wed Nov 15 11:31:14 2017 MSD1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AO102407.D

Acq On : 24 Oct 2017 7:06 pm

Sample : ALUG_0.50

Misc : AN24_1UG

MS Integration Params: RTEINT.P

Quant Time: Oct 25 7:24 2017

Vial: 8

Operator: RJP

Inst : MSD #1

Multiplr: 1.00

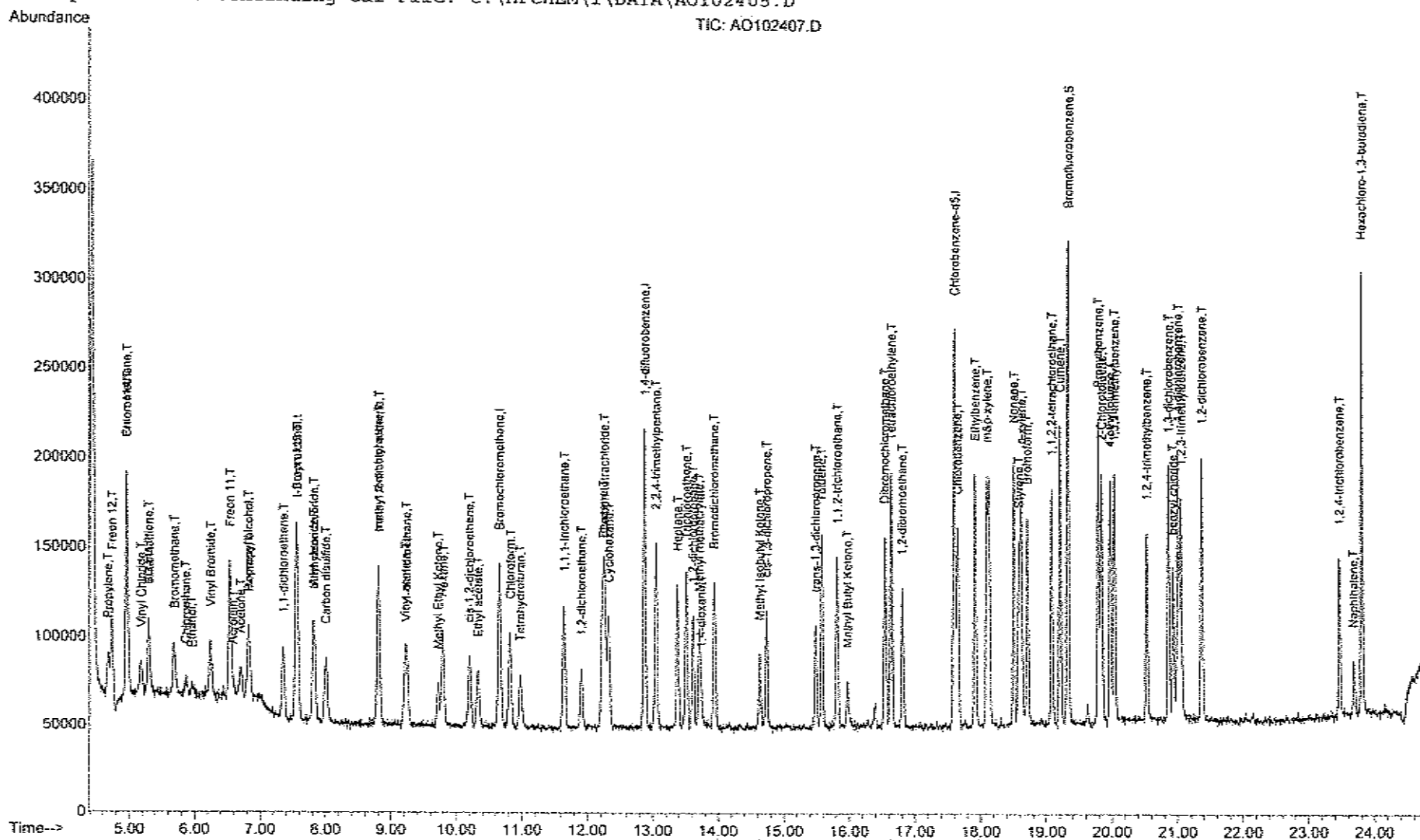
Quant Results File: AN24_1UG.RES

Method : C:\HPCHEM\1\METHODS\AN24_1UG.M (RTE Integrator)

Title : TO-15 VOA Standards for 5 point calibration

Last Update : Wed Oct 25 08:32:47 2017

Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AO102405.D



AO102407.D AN24_1UG.M

Wed Nov 15 11:31:15 2017

MSD1

Page 3

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AO102408.D

Vial: 9

Acq On : 24 Oct 2017 7:44 pm

Operator: RJP

Sample : ALUG_0.30

Inst : MSD #1

Misc : AN24_1UG

Multiplr: 1.00

MS Integration Params: RTEINT.P

Quant Time: Oct 25 08:16:33 2017

Quant Results File: AN24_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\AN24_1UG.M (RTE Integrator)

Title : TO-15 VOA Standards for 5 point calibration

Last Update : Wed Oct 25 08:16:00 2017

Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AO102405.D

DataAcq Meth : 1UG_RUN

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------|-------|------|----------|------|-------|----------|
| 1) Bromochloromethane | 10.65 | 128 | 42505 | 1.00 | ppb | 0.00 |
| 35) 1,4-difluorobenzene | 12.86 | 114 | 189488 | 1.00 | ppb | 0.00 |
| 50) Chlorobenzene-d5 | 17.59 | 117 | 164037 | 1.00 | ppb | 0.00 |

System Monitoring Compounds

| | | | | | | |
|------------------------|-------|-------|----------|----------|-----|--------|
| 65) Bromofluorobenzene | 19.32 | 95 | 108067 | 0.98 | ppb | 0.00 |
| Spiked Amount | 1.000 | Range | 70 - 130 | Recovery | = | 98.00% |

Target Compounds

| | R.T. | QIon | Response | Conc | Units | Qvalue |
|------------------------------|-------|------|----------|------|-------|--------|
| 2) Propylene | 4.66 | 41 | 12478 | 0.28 | ppb | 84 |
| 3) Freon 12 | 4.73 | 85 | 58185 | 0.29 | ppb | 97 |
| 4) Chloromethane | 4.95 | 50 | 14825 | 0.35 | ppb | 73 |
| 5) Freon 114 | 4.95 | 85 | 51990 | 0.32 | ppb | 98 |
| 6) Vinyl Chloride | 5.17 | 62 | 15225 | 0.33 | ppb | 92 |
| 7) Butane | 5.29 | 43 | 15122 | 0.31 | ppb | # 96 |
| 8) 1,3-butadiene | 5.30 | 39 | 11317 | 0.33 | ppb | 99 |
| 9) Bromomethane | 5.68 | 94 | 19702 | 0.32 | ppb | 87 |
| 10) Chloroethane | 5.86 | 64 | 6657m | 0.31 | ppb | |
| 11) Ethanol | 5.96 | 45 | 4581 | 0.34 | ppb | # 43 |
| 12) Acrolein | 6.59 | 56 | 4782m | 0.31 | ppb | |
| 13) Vinyl Bromide | 6.23 | 106 | 19608 | 0.30 | ppb | 88 |
| 14) Freon 11 | 6.53 | 101 | 60719 | 0.31 | ppb | 99 |
| 15) Acetone | 6.70 | 58 | 5337 | 0.29 | ppb | 93 |
| 16) Pentane | 6.82 | 42 | 14831m | 0.36 | ppb | |
| 17) Isopropyl alcohol | 6.81 | 45 | 22614m | 0.39 | ppb | |
| 18) 1,1-dichloroethene | 7.34 | 96 | 15842 | 0.30 | ppb | 93 |
| 19) Freon 113 | 7.55 | 101 | 34754 | 0.30 | ppb | 95 |
| 20) t-Butyl alcohol | 7.56 | 59 | 21795 | 0.28 | ppb | 97 |
| 21) Methylene chloride | 7.82 | 84 | 15884 | 0.31 | ppb | 87 |
| 22) Allyl chloride | 7.80 | 41 | 17611 | 0.30 | ppb | 86 |
| 23) Carbon disulfide | 8.00 | 76 | 51825 | 0.31 | ppb | 97 |
| 24) trans-1,2-dichloroethene | 8.79 | 61 | 23149 | 0.30 | ppb | 98 |
| 25) methyl tert-butyl ether | 8.80 | 73 | 38745 | 0.30 | ppb | 98 |
| 26) 1,1-dichloroethane | 9.24 | 63 | 29730 | 0.30 | ppb | 98 |
| 27) Vinyl acetate | 9.20 | 43 | 32652 | 0.28 | ppb | 85 |
| 28) Methyl Ethyl Ketone | 9.71 | 72 | 7475 | 0.32 | ppb | # 1 |
| 29) cis-1,2-dichloroethene | 10.19 | 61 | 22022 | 0.30 | ppb | 95 |
| 30) Hexane | 9.79 | 57 | 23074 | 0.30 | ppb | 88 |
| 31) Ethyl acetate | 10.31 | 43 | 31282 | 0.29 | ppb | 88 |
| 32) Chloroform | 10.80 | 83 | 39903 | 0.31 | ppb | 98 |
| 33) Tetrahydrofuran | 10.97 | 42 | 14808 | 0.31 | ppb | 98 |
| 34) 1,2-dichloroethane | 11.89 | 62 | 23650 | 0.31 | ppb | 98 |
| 36) 1,1,1-trichloroethane | 11.63 | 97 | 38914 | 0.30 | ppb | 89 |
| 37) Cyclohexane | 12.31 | 56 | 22861 | 0.31 | ppb | 93 |
| 38) Carbon tetrachloride | 12.25 | 117 | 43618 | 0.31 | ppb | 94 |
| 39) Benzene | 12.22 | 78 | 54255 | 0.32 | ppb | 98 |
| 40) Methyl methacrylate | 13.70 | 41 | 17078 | 0.30 | ppb | 96 |
| 41) 1,4-dioxane | 13.74 | 88 | 8713 | 0.24 | ppb | # 71 |
| 42) 2,2,4-trimethylpentane | 13.04 | 57 | 72105 | 0.31 | ppb | 97 |
| 43) Heptane | 13.37 | 43 | 25005 | 0.31 | ppb | 94 |
| 44) Trichloroethene | 13.50 | 130 | 24128 | 0.31 | ppb | 94 |
| 45) 1,2-dichloropropane | 13.61 | 63 | 19697 | 0.31 | ppb | 90 |

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

AO102408.D AN24_1UG.M

Wed Nov 15 11:31:17 2017

MSD1

Page 1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AQ102408.D

Vial: 9

Acq On : 24 Oct 2017 7:44 pm

Operator: RJP

Sample : A1UG_0.30

Inst : MSD #1

Misc : AN24_1UG

Multiplr: 1.00

MS Integration Params: RTEINT.P

Quant Time: Oct 25 08:16:33 2017

Quant Results File: AN24_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\AN24_1UG.M (RTE Integrator)

Title : TO-15 VOA Standards for 5 point calibration

Last Update : Wed Oct 25 08:16:00 2017

Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AQ102405.D

DataAcq Meth : 1UG_RUN

| Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|-------------------------------|-------|------|----------|------|------|--------|
| 46) Bromodichloromethane | 13.93 | 83 | 43294 | 0.31 | ppb | 94 |
| 47) cis-1,3-dichloropropene | 14.73 | 75 | 30246 | 0.30 | ppb | 99 |
| 48) trans-1,3-dichloropropene | 15.48 | 75 | 26910 | 0.31 | ppb | 98 |
| 49) 1,1,2-trichloroethane | 15.80 | 97 | 24194 | 0.32 | ppb | 93 |
| 51) Toluene | 15.57 | 92 | 36173 | 0.31 | ppb | 89 |
| 52) Methyl Isobutyl Ketone | 14.63 | 43 | 22679 | 0.26 | ppb | 97 |
| 53) Dibromochloromethane | 16.54 | 129 | 46177 | 0.31 | ppb | 98 |
| 54) Methyl Butyl Ketone | 15.97 | 43 | 13243 | 0.28 | ppb | 97 |
| 55) 1,2-dibromoethane | 16.80 | 107 | 38582 | 0.31 | ppb | 96 |
| 56) Tetrachloroethylene | 16.63 | 164 | 23843 | 0.30 | ppb | 85 |
| 57) Chlorobenzene | 17.65 | 112 | 48636 | 0.30 | ppb | 89 |
| 58) Ethylbenzene | 17.91 | 91 | 79563 | 0.31 | ppb | 99 |
| 59) m&p-xylene | 18.12 | 91 | 110005 | 0.60 | ppb | 95 |
| 60) Nonane | 18.50 | 43 | 35419 | 0.30 | ppb | 98 |
| 61) Styrene | 18.58 | 104 | 32037 | 0.28 | ppb | 68 |
| 62) Bromoform | 18.71 | 173 | 41672 | 0.30 | ppb | 95 |
| 63) o-xylene | 18.61 | 91 | 61256 | 0.30 | ppb | 97 |
| 64) Cumene | 19.20 | 105 | 81598 | 0.31 | ppb | 96 |
| 66) 1,1,2,2-tetrachloroethane | 19.08 | 83 | 53712 | 0.32 | ppb | # 24 |
| 67) Propylbenzene | 19.79 | 120 | 19326 | 0.28 | ppb | # 51 |
| 68) 2-Chlorotoluene | 19.83 | 126 | 21253 | 0.31 | ppb | # 86 |
| 69) 4-ethyltoluene | 19.96 | 105 | 56537 | 0.27 | ppb | 98 |
| 70) 1,3,5-trimethylbenzene | 20.03 | 105 | 49716 | 0.27 | ppb | 97 |
| 71) 1,2,4-trimethylbenzene | 20.52 | 105 | 35017 | 0.26 | ppb | 94 |
| 72) 1,3-dichlorobenzene | 20.85 | 146 | 44419 | 0.29 | ppb | 99 |
| 73) benzyl chloride | 20.93 | 91 | 34524 | 0.28 | ppb | 99 |
| 74) 1,4-dichlorobenzene | 21.00 | 146 | 43245 | 0.29 | ppb | 96 |
| 75) 1,2,3-trimethylbenzene | 21.05 | 105 | 44200 | 0.26 | ppb | 99 |
| 76) 1,2-dichlorobenzene | 21.36 | 146 | 43692 | 0.29 | ppb | 98 |
| 77) 1,2,4-trichlorobenzene | 23.46 | 180 | 18892 | 0.30 | ppb | 97 |
| 78) Naphthalene | 23.68 | 128 | 17849m | 0.23 | ppb | |
| 79) Hexachloro-1,3-butadiene | 23.80 | 225 | 31530 | 0.32 | ppb | 94 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed
 AQ102408.D AN24_1UG.M Wed Nov 15 11:31:18 2017 MSD1

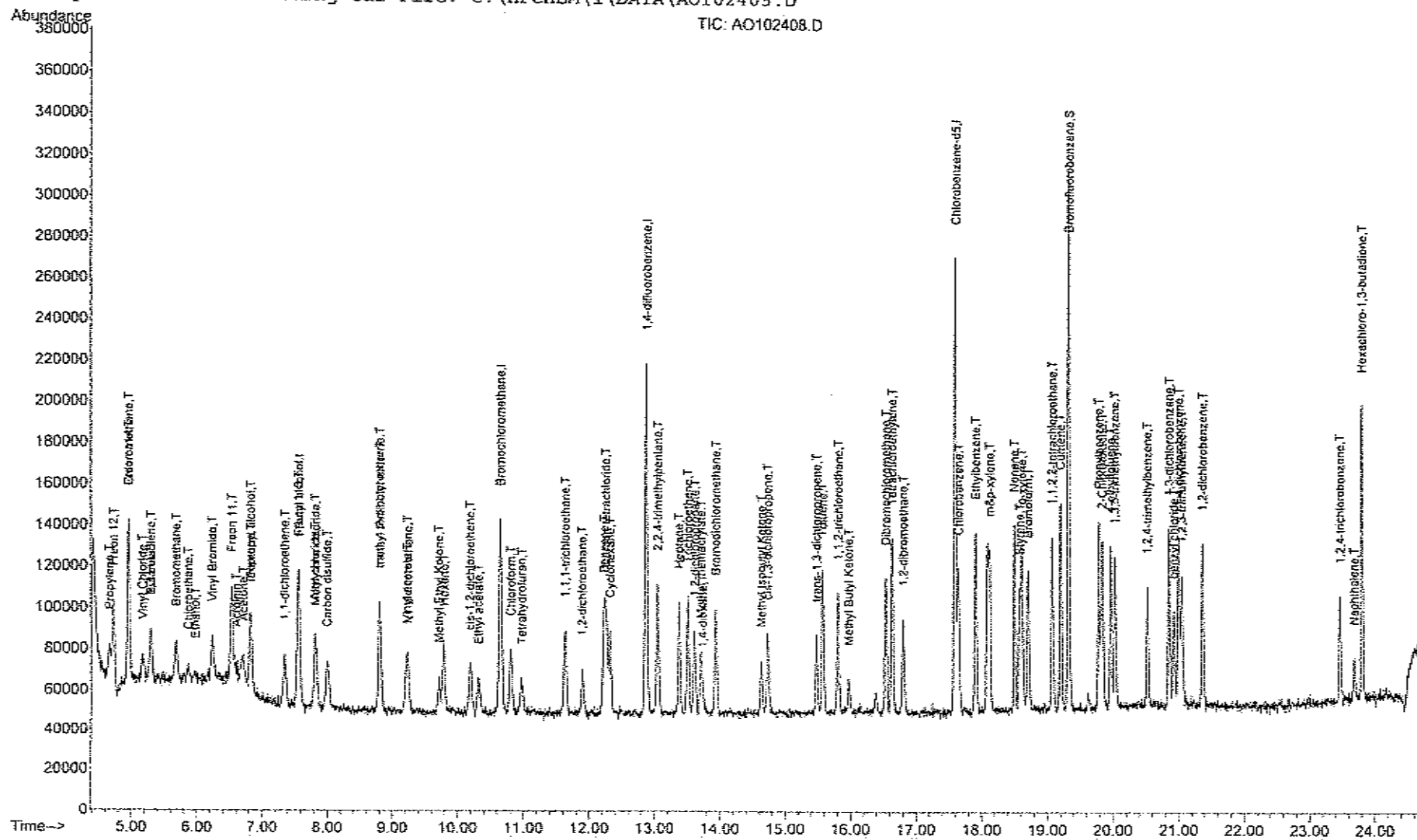
Quant Time: Oct 25 7:26 2017

Multiplr: 1.00

Quant Results File: AN24 1UG.RES

Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AO102405.D

TIC: AO102408.D



MSD1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AO102409.D

Vial: 10

Acq On : 24 Oct 2017 8:21 pm

Operator: RJP

Sample : A1UG_0.15

Inst : MSD #1

Misc : AN24_1UG

Multiplr: 1.00

MS Integration Params: RTEINT.P

Quant Time: Oct 25 08:16:34 2017

Quant Results File: AN24_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\AN24_1UG.M (RTE Integrator)

Title : TO-15 VOA Standards for 5 point calibration

Last Update : Wed Oct 25 08:16:00 2017

Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AO102405.D

DataAcq Meth : 1UG_RUN

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------|-------|------|----------|------|-------|----------|
| 1) Bromochloromethane | 10.65 | 128 | 41290 | 1.00 | ppb | 0.01 |
| 35) 1,4-difluorobenzene | 12.86 | 114 | 186648 | 1.00 | ppb | 0.00 |
| 50) Chlorobenzene-d5 | 17.59 | 117 | 161063 | 1.00 | ppb | 0.00 |

System Monitoring Compounds

| | | | | | | |
|------------------------|-------|-------|----------|----------|-----|---------|
| 65) Bromofluorobenzene | 19.32 | 95 | 109574 | 1.01 | ppb | 0.00 |
| Spiked Amount | 1.000 | Range | 70 - 130 | Recovery | = | 101.00% |

Target Compounds

| Target Compounds | R.T. | QIon | Response | Conc | Units | Qvalue |
|------------------------------|-------|------|----------|------|-------|--------|
| 2) Propylene | 4.67 | 41 | 4569 | 0.11 | ppb | 93 |
| 3) Freon 12 | 4.73 | 85 | 29881 | 0.16 | ppb | 99 |
| 4) Chloromethane | 4.94 | 50 | 7428 | 0.18 | ppb | # 45 |
| 5) Freon 114 | 4.95 | 85 | 25920 | 0.16 | ppb | 99 |
| 6) Vinyl Chloride | 5.17 | 62 | 7017 | 0.16 | ppb | 75 |
| 7) Butane | 5.29 | 43 | 6855m | 0.15 | ppb | |
| 8) 1,3-butadiene | 5.29 | 39 | 4551m | 0.14 | ppb | |
| 9) Bromomethane | 5.68 | 94 | 10397 | 0.17 | ppb | 88 |
| 10) Chloroethane | 5.86 | 64 | 3497 | 0.17 | ppb | # 62 |
| 11) Ethanol | 5.95 | 45 | 2452m | 0.19 | ppb | |
| 12) Acrolein | 6.59 | 56 | 2800m | 0.19 | ppb | |
| 13) Vinyl Bromide | 6.23 | 106 | 10137 | 0.16 | ppb | 88 |
| 14) Freon 11 | 6.53 | 101 | 30431 | 0.16 | ppb | 99 |
| 15) Acetone | 6.69 | 58 | 3031m | 0.17 | ppb | |
| 16) Pentane | 6.83 | 42 | 5501m | 0.14 | ppb | |
| 17) Isopropyl alcohol | 6.81 | 45 | 8954 | 0.16 | ppb | # 1 |
| 18) 1,1-dichloroethene | 7.33 | 96 | 8097 | 0.16 | ppb | 94 |
| 19) Freon 113 | 7.55 | 101 | 18044 | 0.16 | ppb | 91 |
| 20) t-Butyl alcohol | 7.57 | 59 | 12149 | 0.16 | ppb | # 77 |
| 21) Methylene chloride | 7.82 | 84 | 8809 | 0.18 | ppb | 90 |
| 22) Allyl chloride | 7.79 | 41 | 9398 | 0.16 | ppb | 94 |
| 23) Carbon disulfide | 7.99 | 76 | 29364 | 0.18 | ppb | 86 |
| 24) trans-1,2-dichloroethene | 8.80 | 61 | 11857 | 0.16 | ppb | 95 |
| 25) methyl tert-butyl ether | 8.80 | 73 | 20090 | 0.16 | ppb | 99 |
| 26) 1,1-dichloroethane | 9.23 | 63 | 15169 | 0.16 | ppb | 94 |
| 27) Vinyl acetate | 9.20 | 43 | 17466 | 0.16 | ppb | 84 |
| 28) Methyl Ethyl Ketone | 9.71 | 72 | 3459 | 0.15 | ppb | # 1 |
| 29) cis-1,2-dichloroethene | 10.19 | 61 | 11418 | 0.16 | ppb | 95 |
| 30) Hexane | 9.78 | 57 | 12069 | 0.16 | ppb | 83 |
| 31) Ethyl acetate | 10.32 | 43 | 17364 | 0.17 | ppb | 89 |
| 32) Chloroform | 10.80 | 83 | 20318 | 0.16 | ppb | 98 |
| 33) Tetrahydrofuran | 10.97 | 42 | 7335 | 0.16 | ppb | 88 |
| 34) 1,2-dichloroethane | 11.89 | 62 | 12119 | 0.16 | ppb | 80 |
| 36) 1,1,1-trichloroethane | 11.63 | 97 | 19790 | 0.16 | ppb | 86 |
| 37) Cyclohexane | 12.31 | 56 | 11959 | 0.16 | ppb | 94 |
| 38) Carbon tetrachloride | 12.25 | 117 | 22045 | 0.16 | ppb | 96 |
| 39) Benzene | 12.22 | 78 | 28807 | 0.17 | ppb | 99 |
| 40) Methyl methacrylate | 13.69 | 41 | 9206 | 0.16 | ppb | 93 |
| 41) 1,4-dioxane | 13.73 | 88 | 4685 | 0.13 | ppb | # 70 |
| 42) 2,2,4-trimethylpentane | 13.04 | 57 | 36479 | 0.16 | ppb | 95 |
| 43) Heptane | 13.36 | 43 | 14364 | 0.18 | ppb | 94 |
| 44) Trichloroethene | 13.50 | 130 | 11928 | 0.16 | ppb | 96 |
| 45) 1,2-dichloropropane | 13.61 | 63 | 10559 | 0.17 | ppb | 98 |

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

AO102409.D AN24_1UG.M

Wed Nov 15 11:31:21 2017

MSD1

Page 1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AO102409.D

Vial: 10

Acq On : 24 Oct 2017 8:21 pm

Operator: RJP

Sample : A1UG_0.15

Inst : MSD #1

Misc : AN24_1UG

Multiplr: 1.00

MS Integration Params: RTEINT.P

Quant Time: Oct 25 08:16:34 2017

Quant Results File: AN24_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\AN24_1UG.M (RTE Integrator)

Title : TO-15 VOA Standards for 5 point calibration

Last Update : Wed Oct 25 08:16:00 2017

Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AO102405.D

DataAcq Meth : 1UG_RUN

| Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|-------------------------------|-------|------|----------|------|------|--------|
| 46) Bromodichloromethane | 13.93 | 83 | 22474 | 0.16 | ppb | 95 |
| 47) cis-1,3-dichloropropene | 14.73 | 75 | 15174 | 0.15 | ppb | 99 |
| 48) trans-1,3-dichloropropene | 15.47 | 75 | 13371 | 0.15 | ppb | 92 |
| 49) 1,1,2-trichloroethane | 15.80 | 97 | 12139 | 0.16 | ppb | 89 |
| 51) Toluene | 15.56 | 92 | 19474 | 0.17 | ppb | 92 |
| 52) Methyl Isobutyl Ketone | 14.62 | 43 | 11706 | 0.14 | ppb | 97 |
| 53) Dibromochloromethane | 16.54 | 129 | 23854 | 0.16 | ppb | 99 |
| 54) Methyl Butyl Ketone | 15.97 | 43 | 7213 | 0.16 | ppb | 94 |
| 55) 1,2-dibromoethane | 16.80 | 107 | 18699 | 0.15 | ppb | 96 |
| 56) Tetrachloroethylene | 16.63 | 164 | 12279 | 0.16 | ppb | 87 |
| 57) Chlorobenzene | 17.64 | 112 | 24996 | 0.16 | ppb | 88 |
| 58) Ethylbenzene | 17.91 | 91 | 41959 | 0.17 | ppb | 96 |
| 59) m&p-xylene | 18.09 | 91 | 57329 | 0.32 | ppb | 97 |
| 60) Nonane | 18.50 | 43 | 18790 | 0.16 | ppb | 97 |
| 61) Styrene | 18.58 | 104 | 15362 | 0.13 | ppb | # 65 |
| 62) Bromoform | 18.70 | 173 | 20868 | 0.16 | ppb | 97 |
| 63) o-xylene | 18.61 | 91 | 31134 | 0.16 | ppb | 90 |
| 64) Cumene | 19.20 | 105 | 40179 | 0.16 | ppb | 97 |
| 66) 1,1,2,2-tetrachloroethane | 19.07 | 83 | 26403 | 0.16 | ppb | 98 |
| 67) Propylbenzene | 19.78 | 120 | 9792 | 0.15 | ppb | 68 |
| 68) 2-Chlorotoluene | 19.84 | 126 | 10146 | 0.15 | ppb | 90 |
| 69) 4-ethyltoluene | 19.96 | 105 | 25587 | 0.13 | ppb | 99 |
| 70) 1,3,5-trimethylbenzene | 20.02 | 105 | 23214 | 0.13 | ppb | 98 |
| 71) 1,2,4-trimethylbenzene | 20.52 | 105 | 16815m | 0.13 | ppb | |
| 72) 1,3-dichlorobenzene | 20.85 | 146 | 21661 | 0.14 | ppb | 99 |
| 73) benzyl chloride | 20.92 | 91 | 16803 | 0.14 | ppb | 99 |
| 74) 1,4-dichlorobenzene | 21.00 | 146 | 21079 | 0.14 | ppb | 93 |
| 75) 1,2,3-trimethylbenzene | 21.04 | 105 | 20847 | 0.13 | ppb | 99 |
| 76) 1,2-dichlorobenzene | 21.36 | 146 | 21459 | 0.15 | ppb | 98 |
| 77) 1,2,4-trichlorobenzene | 23.47 | 180 | 8836 | 0.14 | ppb | 98 |
| 78) Naphthalene | 23.68 | 128 | 8450m // | 0.11 | ppb | |
| 79) Hexachloro-1,3-butadiene | 23.80 | 225 | 15541 | 0.16 | ppb | 95 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed
 AO102409.D AN24_1UG.M Wed Nov 15 11:31:22 2017 MSD1

Quantitation Report (QT Reviewed)

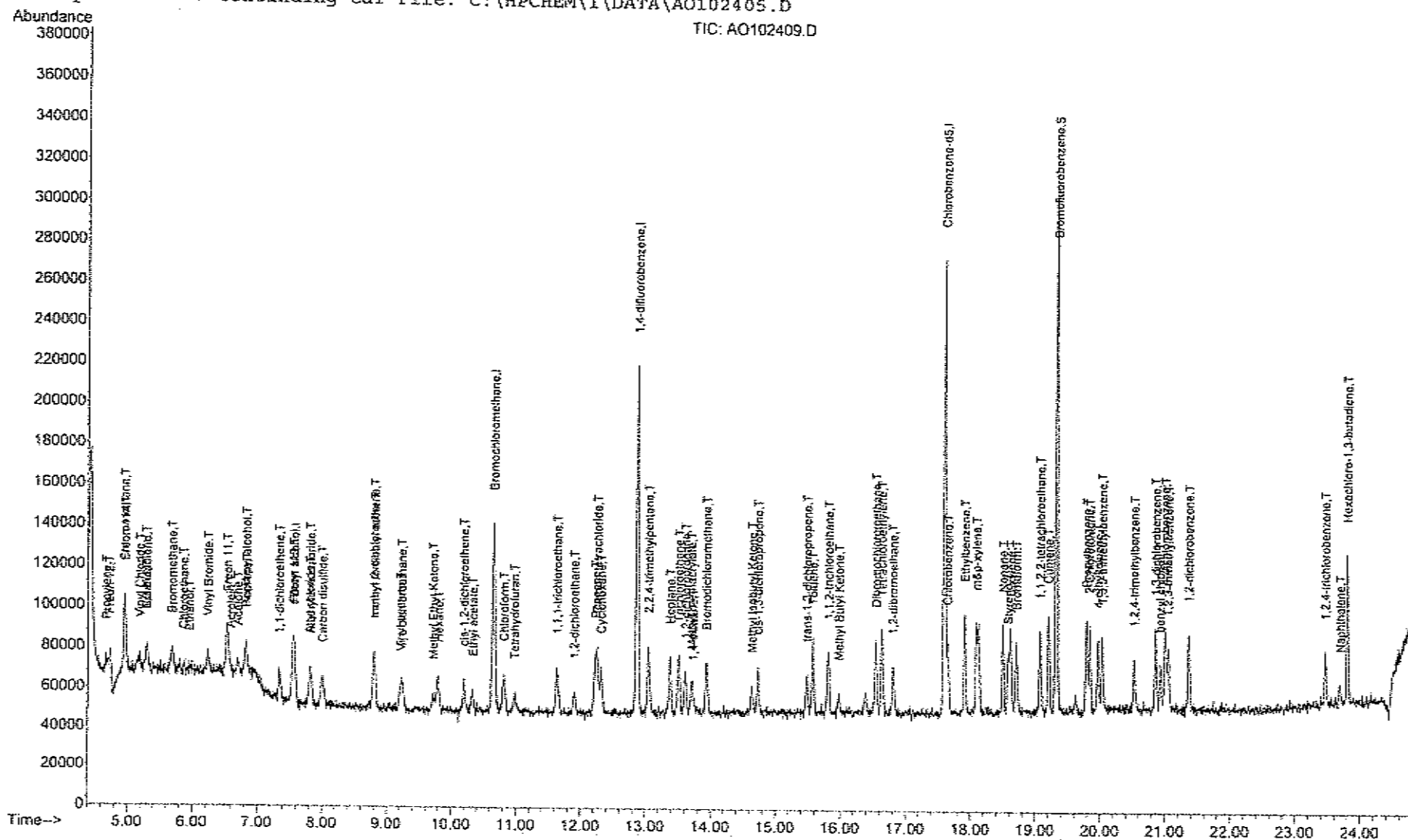
Data File : C:\HPCHEM\1\DATA\AO102409.D
 Acq On : 24 Oct 2017 8:21 pm
 Sample : ALUG_0.15
 Misc : AN24_1UG
 MS Integration Params: RTEINT.P
 Quant Time: Oct 25 7:27 2017

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

Quant Results File: AN24_1UG.RES

Method : C:\HPCHEM\1\METHODS\AN24_1UG.M (RTE Integrator)
 Title : TO-15 VOA Standards for 5 point calibration
 Last Update : Wed Oct 25 08:32:47 2017
 Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AO102405.D

TIC: AO102409.D



AO102409.D AN24_1UG.M Wed Nov 15 11:31:23 2017

MSD1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AO102410.D Vial: 11
 Acq On : 24 Oct 2017 8:59 pm Operator: RJP
 Sample : A1UG_0.10 Inst : MSD #1
 Misc : AN24_1UG Multiplr: 1.00
 MS Integration Params: RTEINT.P
 Quant Time: Oct 25 08:16:35 2017 Quant Results File: AN24_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\AN24_1UG.M (RTE Integrator)
 Title : TO-15 VOA Standards for 5 point calibration
 Last Update : Wed Oct 25 08:16:00 2017
 Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AO102405.D
 DataAcq Meth : 1UG_RUN

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------|-------|------|----------|------|-------|----------|
| 1) Bromochloromethane | 10.64 | 128 | 42208 | 1.00 | ppb | 0.00 |
| 35) 1,4-difluorobenzene | 12.86 | 114 | 188910 | 1.00 | ppb | 0.00 |
| 50) Chlorobenzene-d5 | 17.59 | 117 | 161547 | 1.00 | ppb | 0.00 |

System Monitoring Compounds

| | | | | | | |
|------------------------|-------|-------|----------|----------|-----|--------|
| 65) Bromofluorobenzene | 19.32 | 95 | 107058 | 0.98 | ppb | 0.00 |
| Spiked Amount | 1.000 | Range | 70 - 130 | Recovery | = | 98.00% |

Target Compounds

| Target Compounds | R.T. | QIon | Response | Conc | Units | Qvalue |
|--------------------------|-------|------|----------|------|-------|--------|
| 6) Vinyl Chloride | 5.17 | 62 | 5036 | 0.11 | ppb | 79 |
| 38) Carbon tetrachloride | 12.25 | 117 | 15727 | 0.11 | ppb | 98 |
| 44) Trichloroethene | 13.50 | 130 | 8233 | 0.11 | ppb | 97 |

Data File : C:\HPCHEM\1\DATA2\AO102410.D

Acq On : 24 Oct 2017 8:59 pm

Sample : A1UG_0.10

Misc : AN24_1UG

MS Integration Params: RTEINT.P

Quant Time: Oct 25 7:28 2017

Vial: 11

Operator: RJP

Inst : MSD #1

Multiplr: 1.00

Quant Results File: AN24_1UG.RES

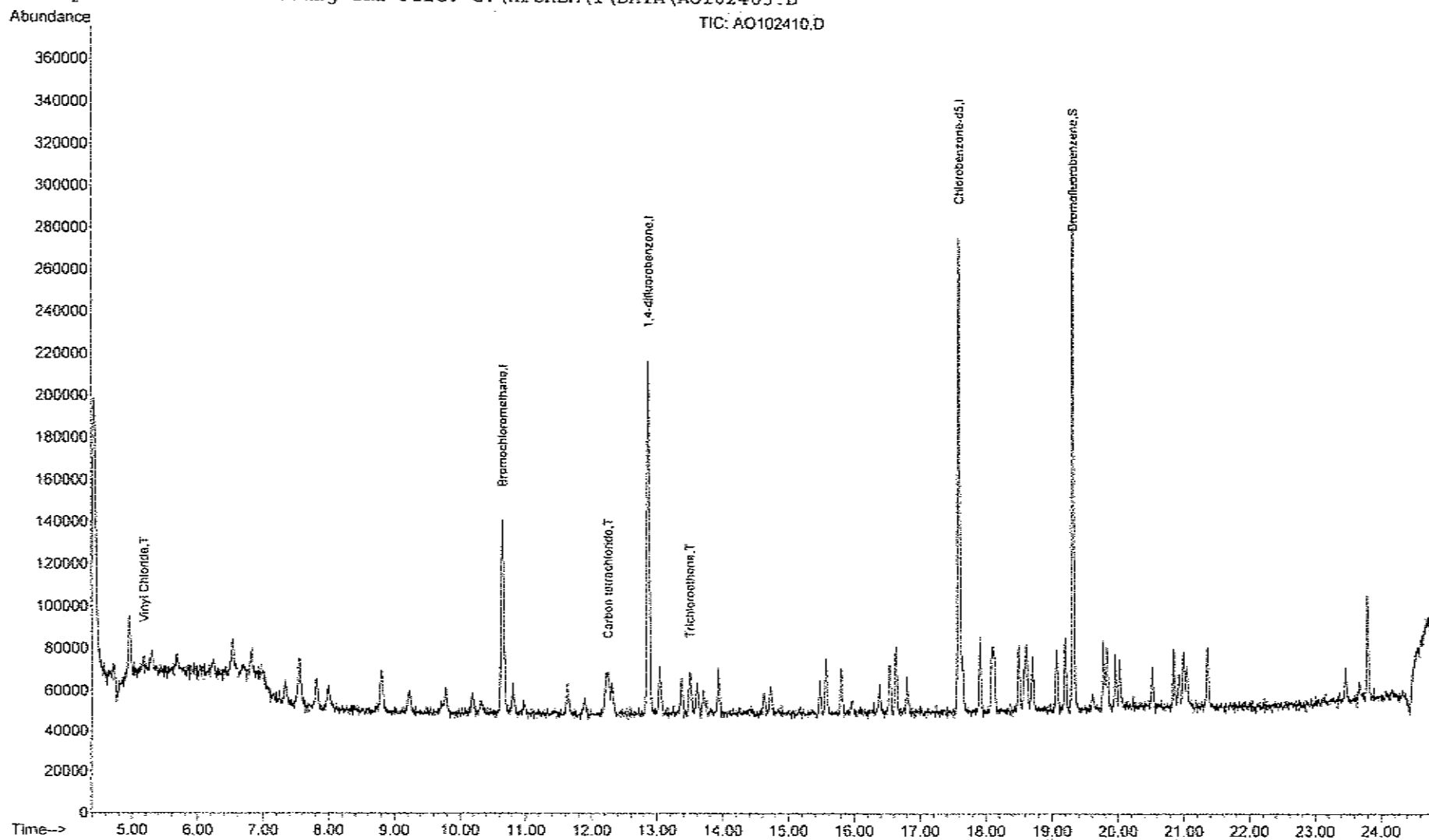
Method : C:\HPCHEM\1\METHODS\AN24_1UG.M (RTE Integrator)

Title : TO-15 VOA Standards for 5 point calibration

Last Update : Wed Oct 25 08:32:47 2017

Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AO102405.D

TIC: AO102410.D



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AO102411.D

Vial: 12

Acq On : 24 Oct 2017 9:36 pm

Operator: RJP

Sample : A1UG_0.04

Inst : MSD #1

Misc : AN24_1UG

Multiplr: 1.00

MS Integration Params: RTEINT.P

Quant Time: Oct 25 08:16:36 2017

Quant Results File: AN24_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\AN24_1UG.M (RTE Integrator)

Title : TO-15 VOA Standards for 5 point calibration

Last Update : Wed Oct 25 08:16:00 2017

Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AO102405.D

DataAcq Meth : 1UG_RUN

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------|-------|------|----------|------|-------|----------|
| 1) Bromochloromethane | 10.65 | 128 | 42485 | 1.00 | ppb | 0.00 |
| 35) 1,4-difluorobenzene | 12.86 | 114 | 185415 | 1.00 | ppb | 0.00 |
| 50) Chlorobenzene-d5 | 17.59 | 117 | 161458 | 1.00 | ppb | 0.00 |

System Monitoring Compounds

| | | | | | | |
|------------------------|-------|-------|----------|----------|-----|--------|
| 65) Bromofluorobenzene | 19.32 | 95 | 105909 | 0.97 | ppb | 0.00 |
| Spiked Amount | 1.000 | Range | 70 - 130 | Recovery | = | 97.00% |

Target Compounds

| | R.T. | QIon | Response | Conc | Units | Qvalue |
|--------------------------|-------|------|----------|------|-------|--------|
| 6) Vinyl Chloride | 5.18 | 62 | 2214m /h | 0.05 | ppb | |
| 38) Carbon tetrachloride | 12.25 | 117 | 7082 | 0.05 | ppb | 92 |
| 44) Trichloroethene | 13.50 | 130 | 4119 | 0.05 | ppb | 90 |

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\AO102411.D

Acq On : 24 Oct 2017 9:36 pm

Sample : A1UG_0.04

Misc : AN24_1UG

MS Integration Params: RTEINT.P

Quant Time: Oct 25 7:29 2017

Vial: 12

Operator: RJP

Inst : MSD #1

Multiplr: 1.00

Quant Results File: AN24_1UG.RES

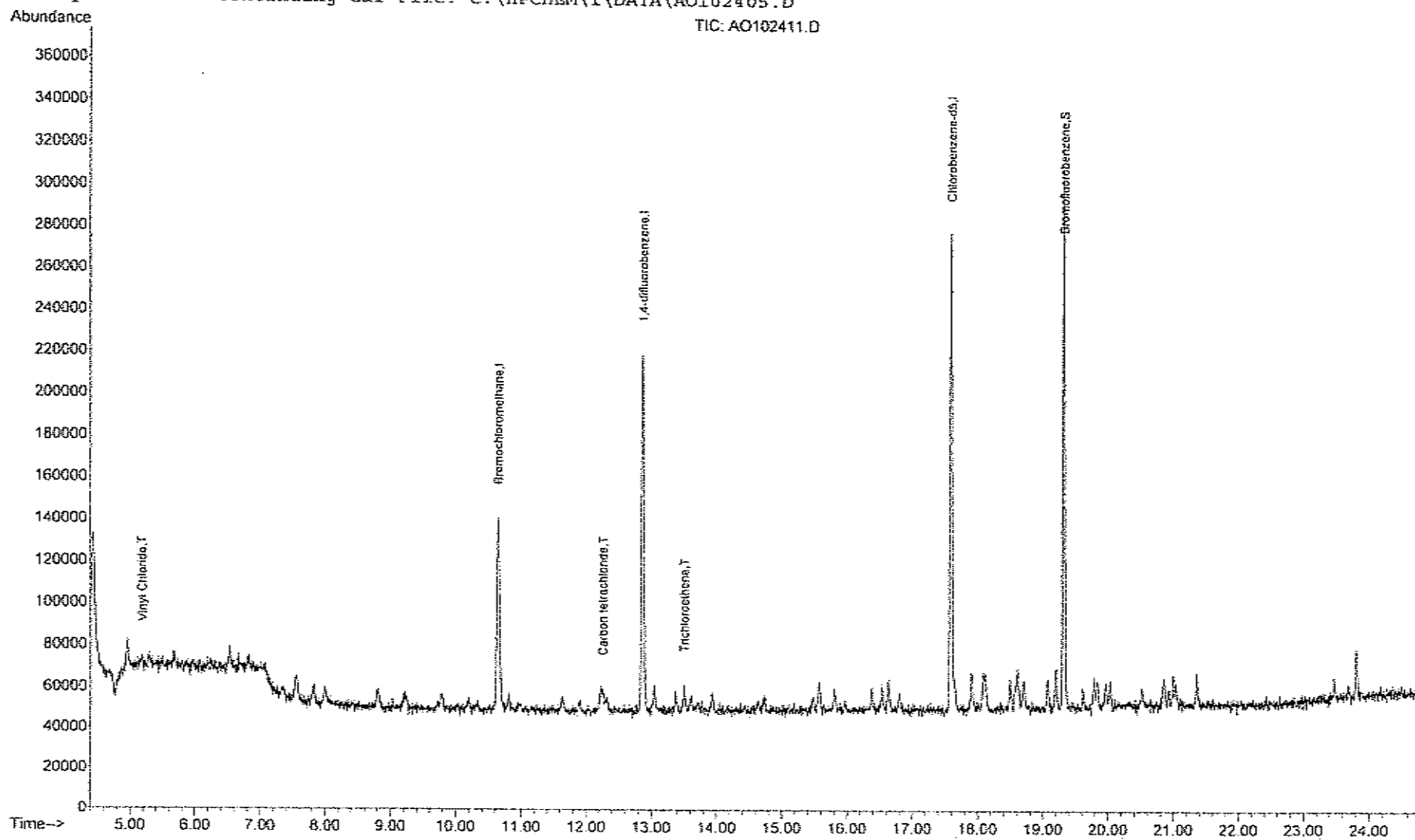
Method : C:\HPCHEM\1\METHODS\AN24_1UG.M (RTE Integrator)

Title : TO-15 VOA Standards for 5 point calibration

Last Update : Wed Oct 25 08:32:47 2017

Response via : Continuing Cal File: C:\HPCHEM\1\DATA\AO102405.D

TIC: AO102411.D



AO102411.D AN24_1UG.M

Wed Nov 15 11:31:29 2017

MSD1

Page 2

GC/MS VOLATILES-WHOLE AIR

METHOD TO-15

CALIBRATION VERIFICATION

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA2\AO103002.D
 Acq On : 30 Oct 2017 12:03 pm
 Sample : A1UG_1.0
 Misc : AN30_1UG
 MS Integration Params: RTEINT.P

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

Method : C:\HPCHEM\1\METHODS\AN24_1UG.M (RTE Integrator)
 Title : TO-15 VOA Standards for 5 point calibration
 Last Update : Mon Nov 20 08:43:22 2017
 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 | 65 | 0.00 |
| 2 T | Propylene | 0.975 | 0.950 | 2.6 | 59 | 0.00 |
| 3 T | Freon 12 | 4.608 | 4.182 | 9.2 | 58 | 0.00 |
| 4 T | Chloromethane | 1.041 | 1.012 | 2.8 | 66 | 0.00 |
| 5 T | Freon 114 | 3.904 | 3.612 | 7.5 | 61 | 0.00 |
| 6 T | Vinyl Chloride | 1.114 | 1.239 | -11.2 | 75 | 0.00 |
| 7 T | Butane | 1.111 | 1.346 | -21.2 | 77 | 0.00 |
| 8 T | 1,3-butadiene | 0.802 | 0.907 | -13.1 | 73 | 0.00 |
| 9 T | Bromomethane | 1.493 | 1.367 | 8.4 | 61 | 0.00 |
| 10 T | Chloroethane | 0.501 | 0.461 | 8.0 | 59 | 0.00 |
| 11 T | Ethanol | 0.322 | 0.288 | 10.6 | 60 | 0.00 |
| 12 T | Acrolein | 0.371 | 0.321 | 13.5 | 57 | 0.00 |
| 13 T | Vinyl Bromide | 1.528 | 1.355 | 11.3 | 58 | 0.00 |
| 14 T | Freon 11 | 4.610 | 4.214 | 8.6 | 60 | 0.00 |
| 15 T | Acetone | 0.436 | 0.431 | 1.1 | 66 | 0.00 |
| 16 T | Pentane | 0.919 | 1.187 | -29.2 | 81 | 0.00 |
| 17 T | Isopropyl alcohol | 1.355 | 1.626 | -20.0 | 78 | 0.00 |
| 18 T | 1,1-dichloroethene | 1.244 | 1.236 | 0.6 | 65 | 0.00 |
| 19 T | Freon 113 | 2.772 | 2.842 | -2.5 | 67 | 0.00 |
| 20 t | t-Butyl alcohol | 1.744 | 1.800 | -3.2 | 64 | 0.00 |
| 21 T | Methylene chloride | 1.237 | 1.168 | 5.6 | 63 | 0.00 |
| 22 T | Allyl chloride | 1.404 | 1.374 | 2.1 | 64 | 0.00 |
| 23 T | Carbon disulfide | 4.019 | 3.754 | 6.6 | 62 | 0.00 |
| 24 T | trans-1,2-dichloroethene | 1.823 | 1.744 | 4.3 | 62 | 0.00 |
| 25 T | methyl tert-butyl ether | 3.023 | 2.959 | 2.1 | 64 | 0.00 |
| 26 T | 1,1-dichloroethane | 2.348 | 2.366 | -0.8 | 67 | 0.00 |
| 27 T | Vinyl acetate | 2.692 | 2.490 | 7.5 | 60 | 0.00 |
| 28 T | Methyl Ethyl Ketone | 0.553 | 0.544 | 1.6 | 64 | 0.00 |
| 29 T | cis-1,2-dichloroethene | 1.730 | 1.651 | 4.6 | 62 | 0.00 |
| 30 T | Hexane | 1.808 | 1.845 | -2.0 | 66 | 0.00 |
| 31 T | Ethyl acetate | 2.480 | 2.319 | 6.5 | 60 | 0.00 |
| 32 T | Chloroform | 3.093 | 3.039 | 1.7 | 64 | 0.00 |
| 33 T | Tetrahydrofuran | 1.119 | 1.117 | 0.2 | 65 | 0.00 |
| 34 T | 1,2-dichloroethane | 1.835 | 1.711 | 6.8 | 62 | 0.00 |
| 35 I | 1,4-difluorobenzene | 1.000 | 1.000 | 0.0 | 66 | 0.00 |
| 36 T | 1,1,1-trichloroethane | 0.687 | 0.647 | 5.8 | 63 | 0.00 |
| 37 T | Cyclohexane | 0.396 | 0.393 | 0.8 | 66 | 0.00 |
| 38 T | Carbon tetrachloride | 0.782 | 0.722 | 7.7 | 64 | 0.00 |
| 39 T | Benzene | 0.920 | 0.883 | 4.0 | 65 | 0.00 |
| 40 T | Methyl methacrylate | 0.305 | 0.275 | 9.8 | 59 | 0.00 |
| 41 T | 1,4-dioxane | 0.161 | 0.189 | -17.4 | 65 | 0.00 |
| 42 T | 2,2,4-trimethylpentane | 1.271 | 1.247 | 1.9 | 66 | 0.00 |
| 43 T | Heptane | 0.444 | 0.421 | 5.2 | 64 | 0.00 |
| 44 T | Trichloroethene | 0.430 | 0.396 | 7.9 | 64 | 0.00 |
| 45 T | 1,2-dichloropropane | 0.347 | 0.331 | 4.6 | 64 | 0.00 |
| 46 T | Bromodichloromethane | 0.758 | 0.715 | 5.7 | 63 | 0.00 |
| 47 T | cis-1,3-dichloropropene | 0.535 | 0.490 | 8.4 | 61 | 0.00 |
| 48 T | trans-1,3-dichloropropene | 0.474 | 0.384 | 19.0 | 54 | 0.00 |
| 49 T | 1,1,2-trichloroethane | 0.415 | 0.395 | 4.8 | 64 | 0.00 |

(#) = Out of Range

AO103002.D AN24_1UG.M

Mon Nov 20 08:48:07 2017

MSD1

Page 1

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA2\AO103002.D
 Acq On : 30 Oct 2017 12:03 pm
 Sample : AIUG_1.0
 Misc : AN30_1UG
 MS Integration Params: RTEINT.P

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

Method : C:\HPCHEM\1\METHODS\AN24_1UG.M (RTE Integrator)
 Title : TO-15 VOA Standards for 5 point calibration
 Last Update : Mon Nov 20 08:43:22 2017
 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 | 0.719 | 0.722 | -0.4 | 65 | 0.00 |
| 52 T | Methyl Isobutyl Ketone | 0.462 | 0.521 | -12.8 | 62 | 0.00 |
| 53 T | Dibromochloromethane | 0.932 | 0.908 | 2.6 | 62 | 0.00 |
| 54 T | Methyl Butyl Ketone | 0.274 | 0.347 | -26.6 | 76 | 0.00 |
| 55 T | 1,2-dibromoethane | 0.759 | 0.731 | 3.7 | 60 | 0.00 |
| 56 T | Tetrachloroethylene | 0.485 | 0.483 | 0.4 | 63 | 0.00 |
| 57 T | Chlorobenzene | 0.984 | 0.964 | 2.0 | 62 | 0.00 |
| 58 T | Ethylbenzene | 1.595 | 1.584 | 0.7 | 64 | 0.00 |
| 59 T | m&p-xylene | 1.142 | 1.167 | -2.2 | 65 | 0.00 |
| 60 T | Nonane | 0.727 | 0.720 | 1.0 | 64 | 0.00 |
| 61 T | Styrene | 0.710 | 0.785 | -10.6 | 70 | 0.00 |
| 62 T | Bromoform | 0.842 | 0.809 | 3.9 | 61 | 0.00 |
| 63 T | o-xylene | 1.245 | 1.254 | -0.7 | 64 | 0.00 |
| 64 T | Cumene | 1.625 | 1.624 | 0.1 | 64 | 0.00 |
| 65 S | Bromofluorobenzene | 0.673 | 0.659 | 2.1 | 61 | 0.00 |
| 66 T | 1,1,2,2-tetrachloroethane | 1.051 | 1.033 | 1.7 | 63 | 0.00 |
| 67 T | Propylbenzene | 0.409 | 0.419 | -2.4 | 64 | 0.00 |
| 68 T | 2-Chlorotoluene | 0.419 | 0.411 | 1.9 | 61 | 0.00 |
| 69 T | 4-ethyltoluene | 1.227 | 1.401 | -14.2 | 70 | 0.00 |
| 70 T | 1,3,5-trimethylbenzene | 1.091 | 1.235 | -13.2 | 70 | 0.00 |
| 71 T | 1,2,4-trimethylbenzene | 0.809 | 1.003 | -24.0 | 78 | 0.00 |
| 72 T | 1,3-dichlorobenzene | 0.928 | 0.887 | 4.4 | 60 | 0.00 |
| 73 T | benzyl chloride | 0.733 | 0.599 | 18.3 | 51 | 0.00 |
| 74 T | 1,4-dichlorobenzene | 0.907 | 0.862 | 5.0 | 60 | 0.00 |
| 75 T | 1,2,3-trimethylbenzene | 0.997 | 1.145 | -14.8 | 70 | 0.00 |
| 76 T | 1,2-dichlorobenzene | 0.897 | 0.870 | 3.0 | 61 | 0.00 |
| 77 T | 1,2,4-trichlorobenzene | 0.389 | 0.347 | 10.8 | 57 | 0.00 |
| 78 T | Naphthalene | 0.430 | 0.519 | -20.7 | 69 | 0.00 |
| 79 T | Hexachloro-1,3-butadiene | 0.610 | 0.564 | 7.5 | 58 | 0.00 |

Data File : C:\HPCHEM\1\DATA2\AO103002.D

Acq On : 30 Oct 2017 12:03 pm

Sample : A1UG_1.0

Misc : AN30_1UG

MS Integration Params: RTEINT.P

Quant Time: Oct 30 12:59:25 2017

Vial: 5

Operator: RJP

Inst : MSD #1

Multiplr: 1.00

Quant Results File: AN24_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\AN24_1UG.M (RTE Integrator)

Title : TO-15 VOA Standards for 5 point calibration

Last Update : Wed Oct 25 08:32:47 2017

Response via : Initial Calibration

DataAcq Meth : 1UG_RUN

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------|-------|------|----------|------|-------|----------|
| 1) Bromochloromethane | 10.64 | 128 | 27378 | 1.00 | ppb | 0.00 |
| 35) 1,4-difluorobenzene | 12.86 | 114 | 126628 | 1.00 | ppb | 0.00 |
| 50) Chlorobenzene-d5 | 17.58 | 117 | 105664 | 1.00 | ppb | 0.00 |

System Monitoring Compounds

| | | | | | | |
|------------------------|-------|-------|----------|----------|-----|--------|
| 65) Bromofluorobenzene | 19.31 | 95 | 69608 | 0.98 | ppb | 0.00 |
| Spiked Amount | 1.000 | Range | 70 - 130 | Recovery | = | 98.00% |

Target Compounds

| | R.T. | QIon | Response | Conc | Units | Qvalue |
|------------------------------|-------|------|----------|------|-------|--------|
| 2) Propylene | 4.67 | 41 | 26008 | 0.97 | ppb | 97 |
| 3) Freon 12 | 4.73 | 85 | 114485 | 0.91 | ppb | 99 |
| 4) Chloromethane | 4.96 | 50 | 27699 | 0.97 | ppb | 84 |
| 5) Freon 114 | 4.96 | 85 | 98884 | 0.93 | ppb | 96 |
| 6) Vinyl Chloride | 5.18 | 62 | 33926 | 1.11 | ppb | 95 |
| 7) Butane | 5.30 | 43 | 36861 | 1.21 | ppb | 88 |
| 8) 1,3-butadiene | 5.29 | 39 | 24820 | 1.13 | ppb | 99 |
| 9) Bromomethane | 5.68 | 94 | 37415 | 0.92 | ppb | 88 |
| 10) Chloroethane | 5.87 | 64 | 12628 | 0.92 | ppb | 97 |
| 11) Ethanol | 5.96 | 45 | 7874 | 0.89 | ppb | # 58 |
| 12) Acrolein | 6.58 | 56 | 8775 | 0.86 | ppb | 94 |
| 13) Vinyl Bromide | 6.23 | 106 | 37106 | 0.89 | ppb | 90 |
| 14) Freon 11 | 6.54 | 101 | 115379 | 0.91 | ppb | 99 |
| 15) Acetone | 6.69 | 58 | 11813 | 0.99 | ppb | # 71 |
| 16) Pentane | 6.83 | 42 | 32496 | 1.29 | ppb | # 75 |
| 17) Isopropyl alcohol | 6.80 | 45 | 44504 | 1.20 | ppb | # 1 |
| 18) 1,1-dichloroethene | 7.34 | 96 | 33844 | 0.99 | ppb | 93 |
| 19) Freon 113 | 7.55 | 101 | 77810 | 1.03 | ppb | 96 |
| 20) t-Butyl alcohol | 7.55 | 59 | 49274 | 1.03 | ppb | 92 |
| 21) Methylene chloride | 7.81 | 84 | 31978 | 0.94 | ppb | 88 |
| 22) Allyl chloride | 7.79 | 41 | 37609 | 0.98 | ppb | 93 |
| 23) Carbon disulfide | 7.99 | 76 | 102773 | 0.93 | ppb | 89 |
| 24) trans-1,2-dichloroethene | 8.79 | 61 | 47741 | 0.96 | ppb | 97 |
| 25) methyl tert-butyl ether | 8.79 | 73 | 80998 | 0.98 | ppb | 100 |
| 26) 1,1-dichloroethane | 9.23 | 63 | 64774 | 1.01 | ppb | 98 |
| 27) Vinyl acetate | 9.19 | 43 | 68166 | 0.92 | ppb | 96 |
| 28) Methyl Ethyl Ketone | 9.69 | 72 | 14891 | 0.98 | ppb | # 68 |
| 29) cis-1,2-dichloroethene | 10.18 | 61 | 45208 | 0.95 | ppb | 97 |
| 30) Hexane | 9.78 | 57 | 50506 | 1.02 | ppb | 85 |
| 31) Ethyl acetate | 10.30 | 43 | 63502 | 0.94 | ppb | 86 |
| 32) Chloroform | 10.80 | 83 | 83195 | 0.98 | ppb | 98 |
| 33) Tetrahydrofuran | 10.96 | 42 | 30575 | 1.00 | ppb | 92 |
| 34) 1,2-dichloroethane | 11.89 | 62 | 46844 | 0.93 | ppb | 100 |
| 36) 1,1,1-trichloroethane | 11.62 | 97 | 81990 | 0.94 | ppb | 88 |
| 37) Cyclohexane | 12.31 | 56 | 49792 | 0.99 | ppb | 94 |
| 38) Carbon tetrachloride | 12.24 | 117 | 91457 | 0.92 | ppb | 94 |
| 39) Benzene | 12.21 | 78 | 111793 | 0.96 | ppb | 99 |
| 40) Methyl methacrylate | 13.69 | 41 | 34864 | 0.90 | ppb | 92 |
| 41) 1,4-dioxane | 13.72 | 88 | 23991 | 1.18 | ppb | # 65 |
| 42) 2,2,4-trimethylpentane | 13.03 | 57 | 157906 | 0.98 | ppb | 96 |
| 43) Heptane | 13.36 | 43 | 53319 | 0.95 | ppb | 92 |
| 44) Trichloroethene | 13.49 | 130 | 50142 | 0.92 | ppb | 94 |
| 45) 1,2-dichloropropane | 13.60 | 63 | 41901 | 0.95 | ppb | 93 |

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

AO103002.D AN24_1UG.M

Mon Nov 20 08:48:14 2017

MSD1

Page 1

Data File : C:\HPCHEM\1\DATA2\AO103002.D

Acq On : 30 Oct 2017 12:03 pm

Sample : ALUG 1.0

Misc : AN30_1UG

MS Integration Params: RTEINT.P

Quant Time: Oct 30 12:59:25 2017

Vial: 5

Operator: RJP

Inst : MSD #1

Multiplr: 1.00

Quant Results File: AN24_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\AN24_1UG.M (RTE Integrator)

Title : TO-15 VOA Standards for 5 point calibration

Last Update : Wed Oct 25 08:32:47 2017

Response via : Initial Calibration

DataAcq Meth : 1UG RUN

| Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|-------------------------------|-------|------|----------|------|------|--------|
| 46) Bromodichloromethane | 13.92 | 83 | 90601 | 0.94 | ppb | 96 |
| 47) cis-1,3-dichloropropene | 14.72 | 75 | 62074 | 0.92 | ppb | 98 |
| 48) trans-1,3-dichloropropene | 15.47 | 75 | 48641 | 0.81 | ppb | 98 |
| 49) 1,1,2-trichloroethane | 15.80 | 97 | 49971 | 0.95 | ppb | 92 |
| 51) Toluene | 15.56 | 92 | 76264 | 1.00 | ppb | 90 |
| 52) Methyl Isobutyl Ketone | 14.62 | 43 | 55067 | 1.13 | ppb | 93 |
| 53) Dibromochloromethane | 16.53 | 129 | 95896 | 0.97 | ppb | 98 |
| 54) Methyl Butyl Ketone | 15.96 | 43 | 36617m | 1.26 | ppb | |
| 55) 1,2-dibromoethane | 16.79 | 107 | 77224 | 0.96 | ppb | 98 |
| 56) Tetrachloroethylene | 16.62 | 164 | 51027 | 1.00 | ppb | 87 |
| 57) Chlorobenzene | 17.64 | 112 | 101830 | 0.98 | ppb | 87 |
| 58) Ethylbenzene | 17.90 | 91 | 167387 | 0.99 | ppb | 100 |
| 59) m&p-xylene | 18.11 | 91 | 246613 | 2.04 | ppb | 95 |
| 60) Nonane | 18.49 | 43 | 76110 | 0.99 | ppb | 96 |
| 61) Styrene | 18.57 | 104 | 82989 | 1.11 | ppb | 76 |
| 62) Bromoform | 18.70 | 173 | 85442 | 0.96 | ppb | 97 |
| 63) o-xylene | 18.60 | 91 | 132455 | 1.01 | ppb | 96 |
| 64) Cumene | 19.19 | 105 | 171620 | 1.00 | ppb | 97 |
| 66) 1,1,2,2-tetrachloroethane | 19.06 | 83 | 109194 | 0.98 | ppb | 98 |
| 67) Propylbenzene | 19.78 | 120 | 44301 | 1.03 | ppb | # 61 |
| 68) 2-Chlorotoluene | 19.83 | 126 | 43469 | 0.98 | ppb | 94 |
| 69) 4-ethyltoluene | 19.95 | 105 | 148082 | 1.14 | ppb | 99 |
| 70) 1,3,5-trimethylbenzene | 20.02 | 105 | 130485 | 1.13 | ppb | 98 |
| 71) 1,2,4-trimethylbenzene | 20.51 | 105 | 105946 | 1.24 | ppb | 95 |
| 72) 1,3-dichlorobenzene | 20.84 | 146 | 93752 | 0.96 | ppb | 98 |
| 73) benzyl chloride | 20.92 | 91 | 63344 | 0.82 | ppb | 99 |
| 74) 1,4-dichlorobenzene | 20.99 | 146 | 91074 | 0.95 | ppb | 95 |
| 75) 1,2,3-trimethylbenzene | 21.04 | 105 | 120952 | 1.15 | ppb | 99 |
| 76) 1,2-dichlorobenzene | 21.35 | 146 | 91878 | 0.97 | ppb | 98 |
| 77) 1,2,4-trichlorobenzene | 23.46 | 180 | 36635 | 0.89 | ppb | 95 |
| 78) Naphthalene | 23.68 | 128 | 54841 | 1.21 | ppb | 94 |
| 79) Hexachloro-1,3-butadiene | 23.80 | 225 | 59615 | 0.92 | ppb | 95 |

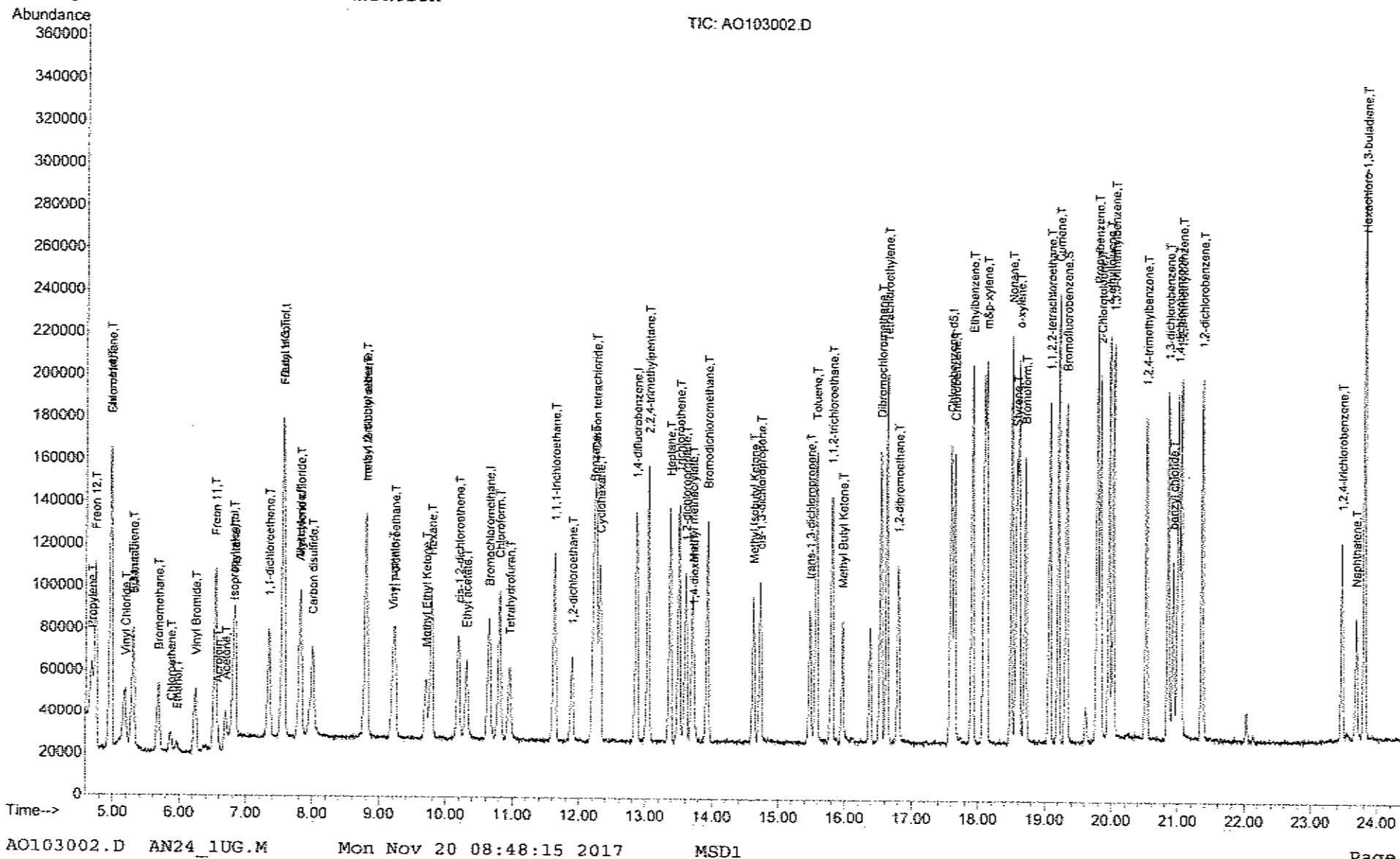
(#) = qualifier out of range (m) = manual integration (+) = signals summed
 AO103002.D AN24_1UG.M Mon Nov 20 08:48:14 2017 MSD1

Data File : C:\HPCHEM\1\DATA2\AO103002.D
 Acq On : 30 Oct 2017 12:03 pm
 Sample : A1UG_1.0
 Misc : AN30_1UG
 MS Integration Params: RTEINT.P
 Quant Time: Oct 30 12:02 2017

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

Quant Results File: AN24_1UG.RES

Method : C:\HPCHEM\1\METHODS\AN24_1UG.M (RTE Integrator)
 Title : TO-15 VOA Standards for 5 point calibration
 Last Update : Mon Nov 20 08:43:22 2017
 Response via : Initial Calibration



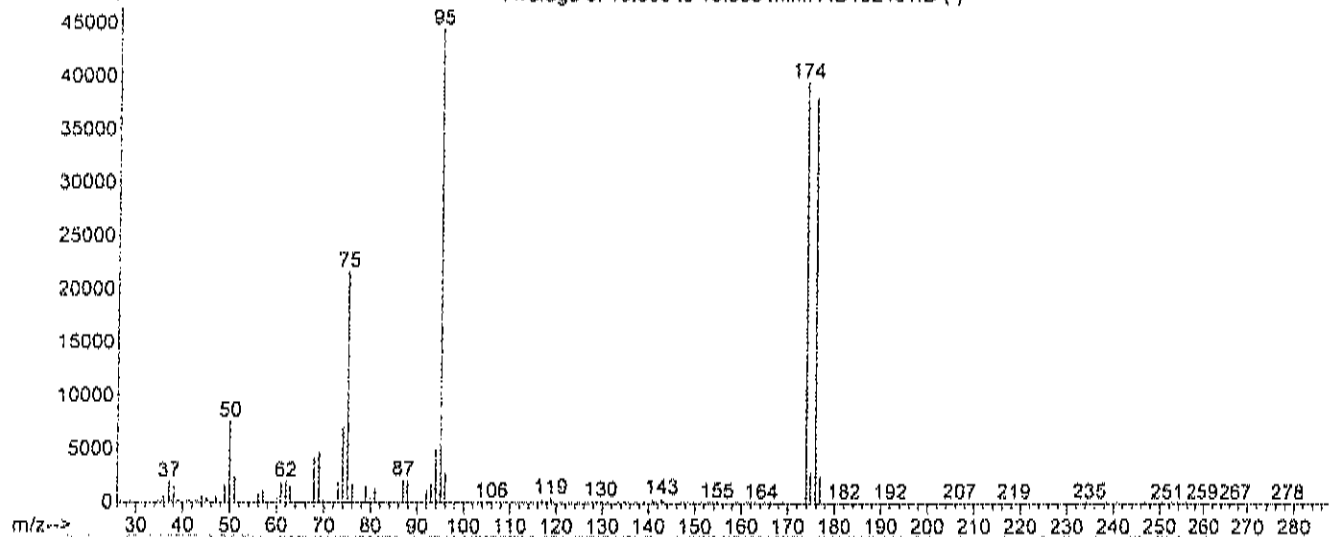
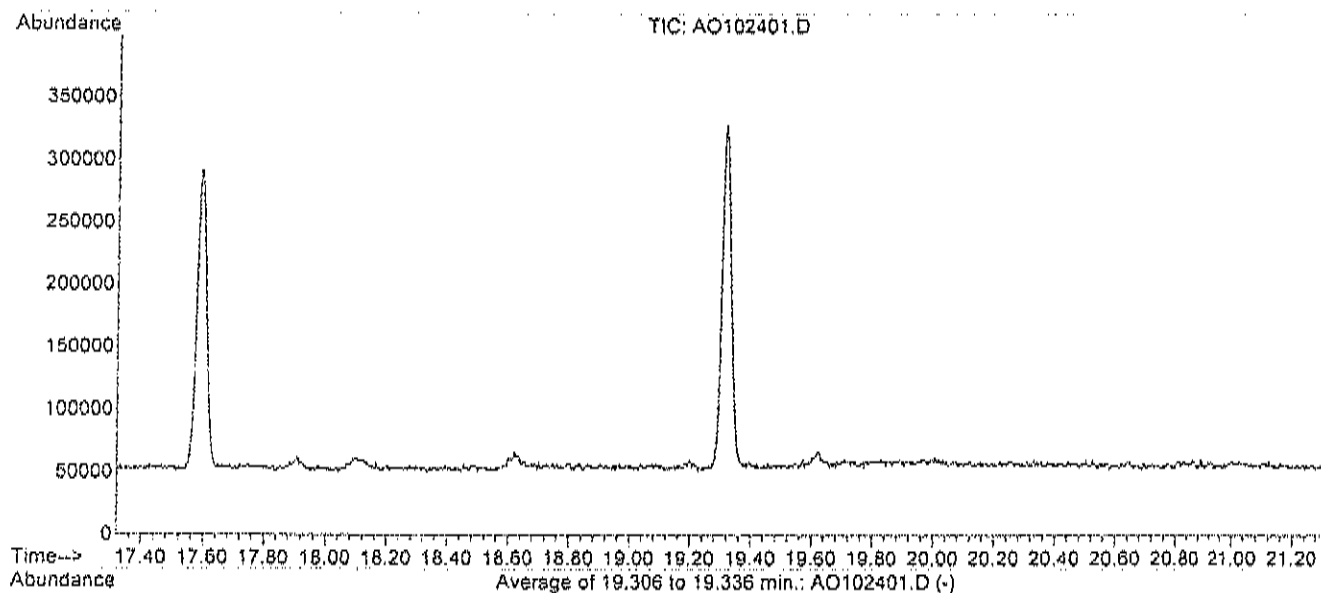
GC/MS VOLATILES-WHOLE AIR

METHOD TO-15

RAW DATA

BFB

Data File : C:\HPCHEM\1\DATA2\AO102401.D Vial: 2
 Acq On : 24 Oct 2017 2:58 pm Operator: RJP
 Sample : BFB1UG Inst : MSD #1
 Misc : AN24_1UG Multiplr: 1.00
 MS Integration Params: RTEINT.P
 Method : C:\HPCHEM\1\METHODS\AN24_1UG.M (RTE Integrator)
 Title : TO-15 VOA Standards for 5 point calibration



Spectrum Information: Average of 19.306 to 19.336 min.

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|-------------|--------------|--------------|--------------|-----------|---------|------------------|
| 50 | 95 | 8 | 40 | 17.0 | 7592 | PASS |
| 75 | 95 | 30 | 66 | 48.6 | 21689 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 44586 | PASS |
| 96 | 95 | 5 | 9 | 6.7 | 2979 | PASS |
| 173 | 174 | 0.00 | 2 | 0.1 | 29 | PASS |
| 174 | 95 | 50 | 120 | 88.8 | 39594 | PASS |
| 175 | 174 | 4 | 9 | 7.1 | 2821 | PASS |
| 176 | 174 | 95 | 101 | 96.4 | 38174 | PASS |
| 177 | 176 | 5 | 9 | 7.0 | 2655 | PASS |

BFB

Data File : C:\HPCHEM\1\DATA2\AO103001.D

Acq On : 30 Oct 2017 9:05 am

Sample : BFB1UG

Misc : AN30_1UG

MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\AN24_1UG.M (RTE Integrator)

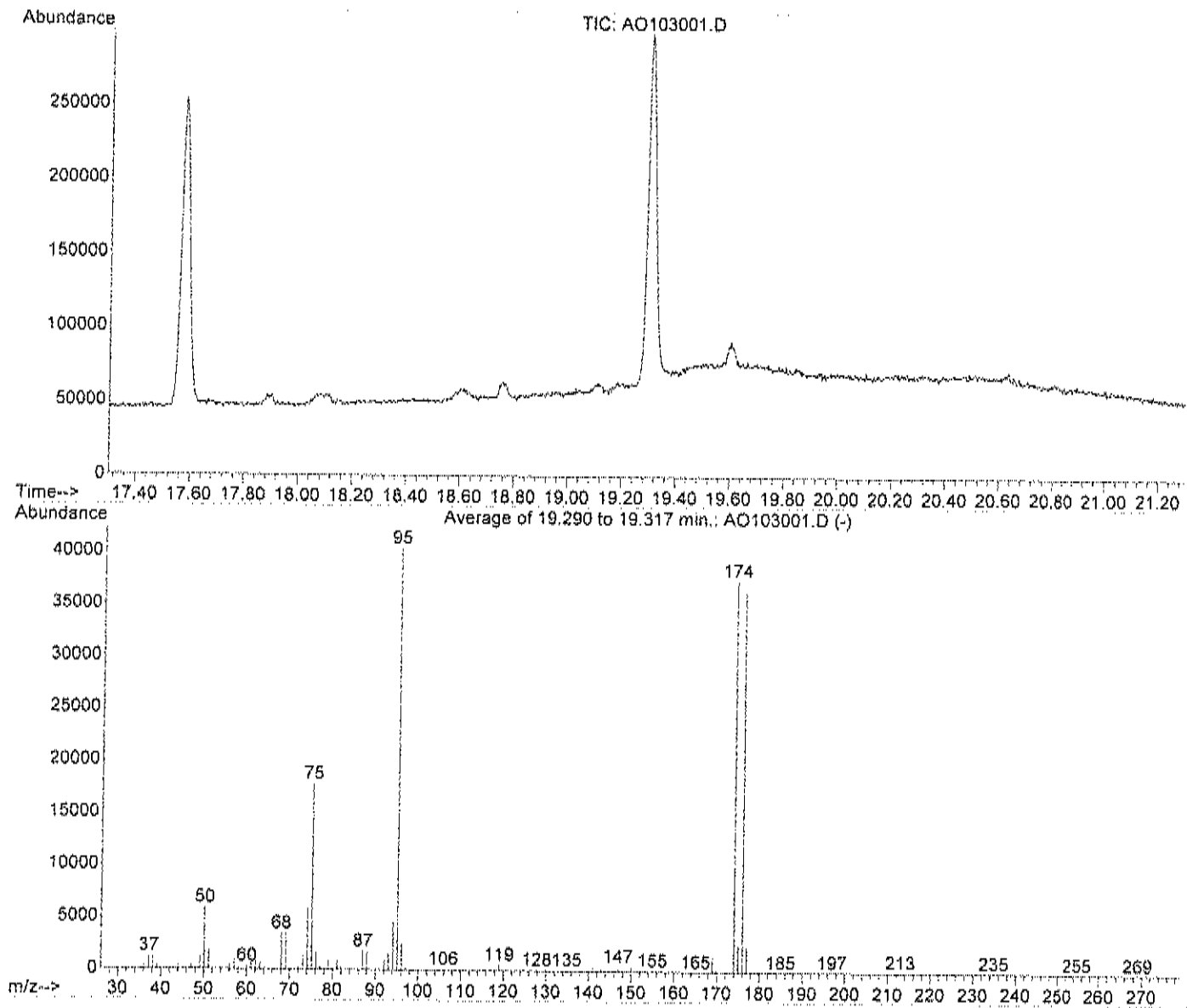
Title : TO-15 VOA Standards for 5 point calibration

Vial: 1

Operator: RJP

Inst : MSD #1

Multiplr: 1.00



Spectrum Information: Average of 19.290 to 19.317 min.

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|-------------|--------------|--------------|--------------|-----------|---------|------------------|
| 50 | 95 | 8 | 40 | 14.6 | 5919 | PASS |
| 75 | 95 | 30 | 66 | 44.0 | 17803 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 40446 | PASS |
| 96 | 95 | 5 | 9 | 6.7 | 2718 | PASS |
| 173 | 174 | 0.00 | 2 | 0.1 | 56 | PASS |
| 174 | 95 | 50 | 120 | 92.7 | 37491 | PASS |
| 175 | 174 | 4 | 9 | 6.9 | 2593 | PASS |
| 176 | 174 | 95 | 101 | 97.3 | 36464 | PASS |
| 177 | 176 | 5 | 9 | 6.9 | 2500 | PASS |

GC/MS VOLATILES-WHOLE AIR

METHOD TO-15

RAW QC DATA



CEN TEK LABORATORIES, LLC

Date: 20-Nov-17

ANALYTICAL QC SUMMARY REPORT

CLIENT: LaBella Associates, P.C.

Work Order: C1710061

Project: 300 Commerce Dr

TestCode: 0.25CT-TCE-VC

| | | | | | | | | | | | |
|---------------------------|------------------|-----------------------|-------------|---------------------------|---------------|----------|-----------|-------------|------|----------|------|
| Sample ID: AMB1UG-103017 | SampType: MBLK | TestCode: 0.25CT-TCE- | Units: ppbV | Prep Date: | RunNo: 12887 | | | | | | |
| Client ID: ZZZZZ | Batch ID: R12887 | TestNo: TO-15 | | Analysis Date: 10/30/2017 | SeqNo: 149963 | | | | | | |
| 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 | < 0.15 | 0.15 | | | | | | | | | |
| 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

CLIENT: LaBella Associates, P.C.

Work Order: C1710061

Project: 300 Commerce Dr

TestCode: 0.25CT-TCE-VC

| Sample ID: AMB1UG-103017 | | SampType: MBLK | | TestCode: 0.25CT-TCE- | | Units: ppbV | | Prep Date: | | RunNo: 12887 | |
|--------------------------|---------|------------------|-----------|-----------------------|------|---------------------------|-----------|---------------|------|--------------|------|
| Client ID: ZZZZZ | | Batch ID: R12887 | | TestNo: TO-15 | | Analysis Date: 10/30/2017 | | SeqNo: 149963 | | | |
| 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 | < 0.040 | 0.040 | | | | | | | | | |
| Chlorobenzene | < 0.15 | 0.15 | | | | | | | | | |
| Chloroethane | < 0.15 | 0.15 | | | | | | | | | |
| Chloroform | < 0.15 | 0.15 | | | | | | | | | |
| Chloromethane | < 0.15 | 0.15 | | | | | | | | | |
| cis-1,2-Dichloroethene | < 0.15 | 0.15 | | | | | | | | | |
| 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: C1710061

Project: 300 Commerce Dr

TestCode: 0.25CT-TCE-VC

| Sample ID: AMB1UG-103017 | SampType: MBLK | TestCode: 0.25CT-TCE- | Units: ppbV | Prep Date: | RunNo: 12887 | | | | | | |
|---------------------------|------------------|-----------------------|-------------|---------------------------|---------------|----------|-----------|-------------|------|----------|------|
| Client ID: ZZZZZ | Batch ID: R12887 | TestNo: TO-15 | | Analysis Date: 10/30/2017 | SeqNo: 149963 | | | | | | |
| 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 | < 0.040 | 0.040 | | | | | | | | | |
| 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

Data File : C:\HPCHEM\1\DATA2\AO103004.D

Acq On : 30 Oct 2017 2:08 pm

Sample : AMB1UG-103017

Misc : AN30_1UG

MS Integration Params: RTEINT.P

Quant Time: Oct 30 17:28:30 2017

Vial: 4

Operator: RJP

Inst : MSD #1

Multiplr: 1.00

Quant Results File: AN24_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\AN24_1UG.M (RTE Integrator)

Title : TO-15 VOA Standards for 5 point calibration

Last Update : Wed Oct 25 08:32:47 2017

Response via : Initial Calibration

DataAcq Meth : 1UG_RUN

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------|-------|------|----------|------|-------|----------|
| 1) Bromochloromethane | 10.65 | 128 | 20826 | 1.00 | ppb | 0.01 |
| 35) 1,4-difluorobenzene | 12.86 | 114 | 98039 | 1.00 | ppb | 0.00 |
| 50) Chlorobenzene-d5 | 17.59 | 117 | 81274 | 1.00 | ppb | 0.00 |

System Monitoring Compounds

| | | | | | | |
|------------------------|-------|-------|----------|----------|-----|--------|
| 65) Bromofluorobenzene | 19.31 | 95 | 50287 | 0.92 | ppb | 0.00 |
| Spiked Amount | 1.000 | Range | 70 - 130 | Recovery | = | 92.00% |

Target Compounds

Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed
AO103004.D AN24_1UG.M Mon Nov 20 08:46:53 2017 MSD1

Data File : C:\HPCHEM\1\DATA2\AO103004.D

Acq On : 30 Oct 2017 2:08 pm

Sample : AMB1UG-103017

Misc : AN30_1UG

MS Integration Params: RTEINT.P

Quant Time: Oct 30 16:28 2017

Vial: 4

Operator: RJP

Inst : MSD #1

Multiplr: 1.00

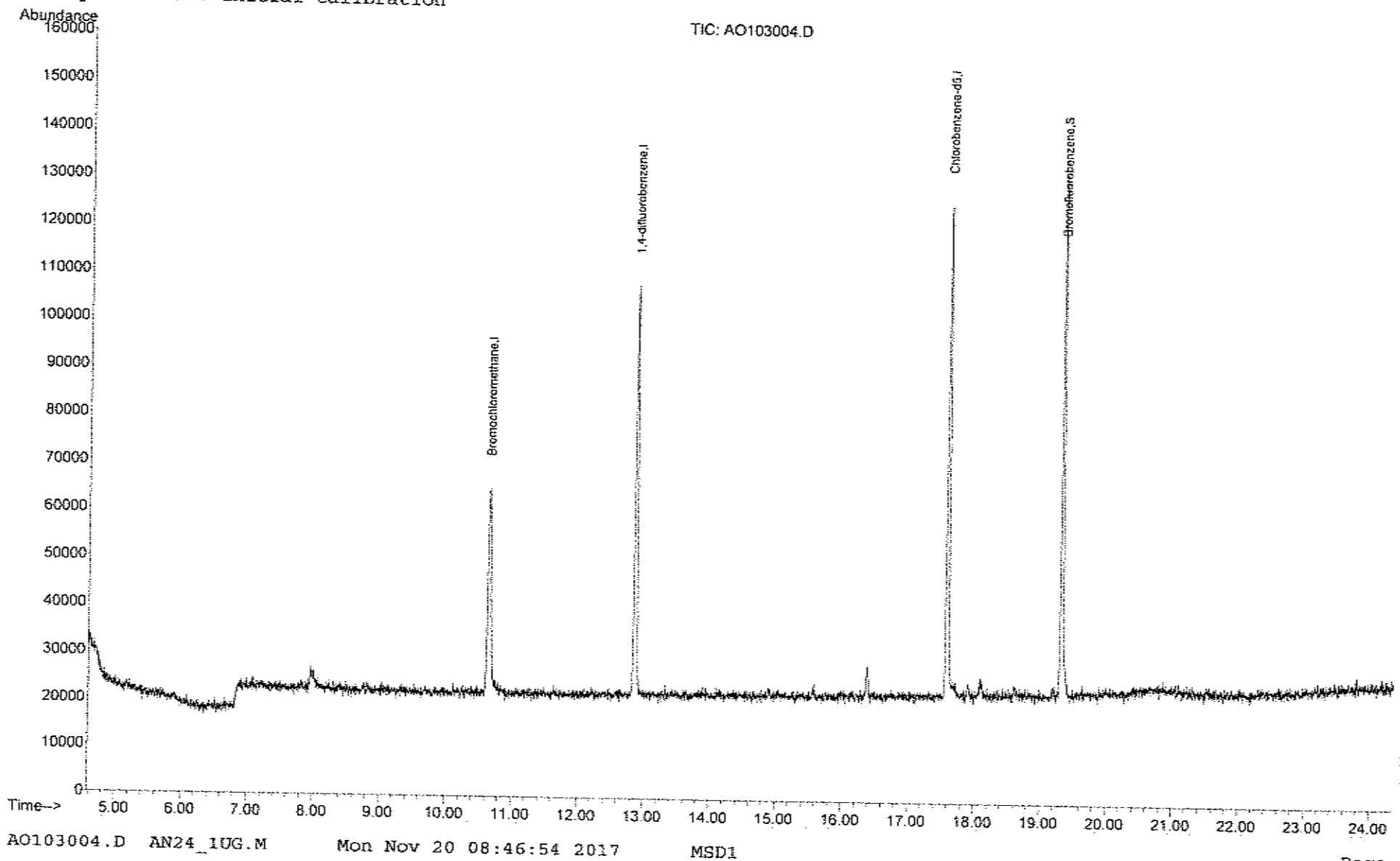
Quant Results File: AN24_1UG.RES

Method : C:\HPCHEM\1\METHODS\AN24_1UG.M (RTE Integrator)

Title : TO-15 VOA Standards for 5 point calibration

Last Update : Mon Nov 20 08:43:22 2017

Response via : Initial Calibration





ANALYTICAL QC SUMMARY REPORT

CLIENT: LaBella Associates, P.C.

Work Order: C1710061

Project: 300 Commerce Dr

TestCode: 0.25CT-TCE-VC

| Sample ID: C1710061-003A MS | SampType: MS | TestCode: 0.25CT-TCE- | Units: ppbV | Prep Date: | RunNo: 12887 | | | | | | |
|------------------------------|------------------|-----------------------|-------------|---------------------------|---------------|----------|-----------|-------------|------|----------|------|
| Client ID: 2017_10_24_Outdoo | Batch ID: R12887 | TestNo: TO-15 | | Analysis Date: 10/30/2017 | SeqNo: 149971 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| 1,1,1-Trichloroethane | 0.9800 | 0.15 | 1 | 0 | 98.0 | 70 | 130 | | | | |
| 1,1,2,2-Tetrachloroethane | 0.9600 | 0.15 | 1 | 0 | 96.0 | 70 | 130 | | | | |
| 1,1,2-Trichloroethane | 0.9300 | 0.15 | 1 | 0 | 93.0 | 70 | 130 | | | | |
| 1,1-Dichloroethane | 0.9500 | 0.15 | 1 | 0 | 95.0 | 70 | 130 | | | | |
| 1,1-Dichloroethene | 0.9800 | 0.15 | 1 | 0 | 98.0 | 70 | 130 | | | | |
| 1,2,4-Trichlorobenzene | 1.310 | 0.15 | 1 | 0 | 131 | 70 | 130 | | | | S |
| 1,2,4-Trimethylbenzene | 1.490 | 0.15 | 1 | 0 | 149 | 70 | 130 | | | | S |
| 1,2-Dibromoethane | 0.9100 | 0.15 | 1 | 0 | 91.0 | 70 | 130 | | | | |
| 1,2-Dichlorobenzene | 0.9700 | 0.15 | 1 | 0 | 97.0 | 70 | 130 | | | | |
| 1,2-Dichloroethane | 0.9300 | 0.15 | 1 | 0 | 93.0 | 70 | 130 | | | | |
| 1,2-Dichloropropane | 0.9200 | 0.15 | 1 | 0 | 92.0 | 70 | 130 | | | | |
| 1,3,5-Trimethylbenzene | 1.040 | 0.15 | 1 | 0 | 104 | 70 | 130 | | | | |
| 1,3-butadiene | 1.350 | 0.15 | 1 | 0 | 135 | 70 | 130 | | | | S |
| 1,3-Dichlorobenzene | 1.000 | 0.15 | 1 | 0 | 100 | 70 | 130 | | | | |
| 1,4-Dichlorobenzene | 1.020 | 0.15 | 1 | 0 | 102 | 70 | 130 | | | | |
| 1,4-Dioxane | 1.080 | 0.30 | 1 | 0 | 108 | 70 | 130 | | | | |
| 2,2,4-trimethylpentane | 0.9700 | 0.15 | 1 | 0 | 97.0 | 70 | 130 | | | | |
| 4-ethyltoluene | 1.020 | 0.15 | 1 | 0 | 102 | 70 | 130 | | | | |
| Acetone | 5.310 | 0.30 | 1 | 4.4 | 91.0 | 70 | 130 | | | | |
| Allyl chloride | 0.9100 | 0.15 | 1 | 0 | 91.0 | 70 | 130 | | | | |
| Benzene | 1.000 | 0.15 | 1 | 0 | 100 | 70 | 130 | | | | |
| Benzyl chloride | 1.040 | 0.15 | 1 | 0 | 104 | 70 | 130 | | | | |
| Bromodichloromethane | 0.9400 | 0.15 | 1 | 0 | 94.0 | 70 | 130 | | | | |
| Bromoform | 0.9400 | 0.15 | 1 | 0 | 94.0 | 70 | 130 | | | | |
| Bromomethane | 0.9400 | 0.15 | 1 | 0 | 94.0 | 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: C1710061

Project: 300 Commerce Dr

TestCode: 0.25CT-TCE-VC

| Sample ID: C1710061-003A MS | | SampType: MS | | TestCode: 0.25CT-TCE- | | Units: ppbV | | Prep Date: | | RunNo: 12887 | |
|------------------------------|--------|------------------|-----------|-----------------------|------|---------------------------|-----------|---------------|------|--------------|------|
| Client ID: 2017_10_24_Outdoo | | Batch ID: R12887 | | TestNo: TO-15 | | Analysis Date: 10/30/2017 | | SeqNo: 149971 | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Carbon disulfide | 0.9100 | 0.15 | 1 | 0 | 91.0 | 70 | 130 | | | | |
| Carbon tetrachloride | 1.010 | 0.040 | 1 | 0.07 | 94.0 | 70 | 130 | | | | |
| Chlorobenzene | 0.9200 | 0.15 | 1 | 0 | 92.0 | 70 | 130 | | | | |
| Chloroethane | 0.9400 | 0.15 | 1 | 0 | 94.0 | 70 | 130 | | | | |
| Chloroform | 0.9600 | 0.15 | 1 | 0 | 96.0 | 70 | 130 | | | | |
| Chloromethane | 1.290 | 0.15 | 1 | 0.39 | 90.0 | 70 | 130 | | | | |
| cis-1,2-Dichloroethene | 0.8800 | 0.15 | 1 | 0 | 88.0 | 70 | 130 | | | | |
| cis-1,3-Dichloropropene | 0.8800 | 0.15 | 1 | 0 | 88.0 | 70 | 130 | | | | |
| Cyclohexane | 0.9700 | 0.15 | 1 | 0 | 97.0 | 70 | 130 | | | | |
| Dibromochloromethane | 0.9400 | 0.15 | 1 | 0 | 94.0 | 70 | 130 | | | | |
| Ethyl acetate | 0.9200 | 0.15 | 1 | 0 | 92.0 | 70 | 130 | | | | |
| Ethylbenzene | 0.9400 | 0.15 | 1 | 0 | 94.0 | 70 | 130 | | | | |
| Freon 11 | 1.130 | 0.15 | 1 | 0.21 | 92.0 | 70 | 130 | | | | |
| Freon 113 | 1.080 | 0.15 | 1 | 0 | 108 | 70 | 130 | | | | |
| Freon 114 | 0.9600 | 0.15 | 1 | 0 | 96.0 | 70 | 130 | | | | |
| Freon 12 | 1.260 | 0.15 | 1 | 0.44 | 82.0 | 70 | 130 | | | | |
| Heptane | 1.000 | 0.15 | 1 | 0 | 100 | 70 | 130 | | | | |
| Hexachloro-1,3-butadiene | 1.080 | 0.15 | 1 | 0 | 108 | 70 | 130 | | | | |
| Hexane | 1.020 | 0.15 | 1 | 0 | 102 | 70 | 130 | | | | |
| Isopropyl alcohol | 1.310 | 0.15 | 1 | 0.54 | 77.0 | 70 | 130 | | | | |
| m&p-Xylene | 2.050 | 0.30 | 2 | 0.23 | 91.0 | 70 | 130 | | | | |
| Methyl Butyl Ketone | 1.280 | 0.30 | 1 | 0 | 128 | 70 | 130 | | | | |
| Methyl Ethyl Ketone | 1.210 | 0.30 | 1 | 0.33 | 88.0 | 70 | 130 | | | | |
| Methyl Isobutyl Ketone | 1.130 | 0.30 | 1 | 0.11 | 102 | 70 | 130 | | | | |
| Methyl tert-butyl ether | 0.9100 | 0.15 | 1 | 0 | 91.0 | 70 | 130 | | | | |
| Methylene chloride | 1.680 | 0.15 | 1 | 0.26 | 142 | 70 | 130 | | | | S |
| o-Xylene | 1.060 | 0.15 | 1 | 0.1 | 96.0 | 70 | 130 | | | | |
| Propylene | 1.280 | 0.15 | 1 | 0 | 128 | 70 | 130 | | | | |
| Styrene | 1.010 | 0.15 | 1 | 0 | 101 | 70 | 130 | | | | |
| Tetrachloroethylene | 0.9600 | 0.15 | 1 | 0 | 96.0 | 70 | 130 | | | | |
| Tetrahydrofuran | 0.9000 | 0.15 | 1 | 0 | 90.0 | 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: C1710061

Project: 300 Commerce Dr

TestCode: 0.25CT-TCE-VC

| Sample ID: C1710061-003A MS | | SampType: MS | | TestCode: 0.25CT-TCE- | | Units: ppbV | | Prep Date: | | RunNo: 12887 | |
|------------------------------|--------|------------------|-----------|-----------------------|------|---------------------------|-----------|---------------|------|--------------|------|
| Client ID: 2017_10_24_Outdoo | | Batch ID: R12887 | | TestNo: TO-15 | | Analysis Date: 10/30/2017 | | SeqNo: 149971 | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Toluene | 1.610 | 0.15 | 1 | 0.77 | 84.0 | 70 | 130 | | | | |
| trans-1,2-Dichloroethene | 0.9100 | 0.15 | 1 | 0 | 91.0 | 70 | 130 | | | | |
| trans-1,3-Dichloropropene | 0.8200 | 0.15 | 1 | 0 | 82.0 | 70 | 130 | | | | |
| Trichloroethene | 0.9000 | 0.040 | 1 | 0 | 90.0 | 70 | 130 | | | | |
| Vinyl acetate | 0.8700 | 0.15 | 1 | 0 | 87.0 | 70 | 130 | | | | |
| Vinyl Bromide | 0.9200 | 0.15 | 1 | 0 | 92.0 | 70 | 130 | | | | |
| Vinyl chloride | 0.8900 | 0.040 | 1 | 0 | 89.0 | 70 | 130 | | | | |

| Sample ID: C1710061-003A MS | | SampType: MSD | | TestCode: 0.25CT-TCE- | | Units: ppbV | | Prep Date: | | RunNo: 12887 | |
|------------------------------|--------|------------------|-----------|-----------------------|------|---------------------------|-----------|---------------|-------|--------------|------|
| Client ID: 2017_10_24_Outdoo | | Batch ID: R12887 | | TestNo: TO-15 | | Analysis Date: 10/30/2017 | | SeqNo: 149972 | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| 1,1,1-Trichloroethane | 0.9900 | 0.15 | 1 | 0 | 99.0 | 70 | 130 | 0.98 | 1.02 | 30 | |
| 1,1,2,2-Tetrachloroethane | 0.9500 | 0.15 | 1 | 0 | 95.0 | 70 | 130 | 0.96 | 1.05 | 30 | |
| 1,1,2-Trichloroethane | 0.9200 | 0.15 | 1 | 0 | 92.0 | 70 | 130 | 0.93 | 1.08 | 30 | |
| 1,1-Dichloroethane | 0.9800 | 0.15 | 1 | 0 | 98.0 | 70 | 130 | 0.95 | 3.11 | 30 | |
| 1,1-Dichloroethene | 1.000 | 0.15 | 1 | 0 | 100 | 70 | 130 | 0.98 | 2.02 | 30 | |
| 1,2,4-Trichlorobenzene | 1.330 | 0.15 | 1 | 0 | 133 | 70 | 130 | 1.31 | 1.52 | 30 | S |
| 1,2,4-Trimethylbenzene | 1.500 | 0.15 | 1 | 0 | 150 | 70 | 130 | 1.49 | 0.669 | 30 | S |
| 1,2-Dibromoethane | 0.9500 | 0.15 | 1 | 0 | 95.0 | 70 | 130 | 0.91 | 4.30 | 30 | |
| 1,2-Dichlorobenzene | 0.9900 | 0.15 | 1 | 0 | 99.0 | 70 | 130 | 0.97 | 2.04 | 30 | |
| 1,2-Dichloroethane | 0.9400 | 0.15 | 1 | 0 | 94.0 | 70 | 130 | 0.93 | 1.07 | 30 | |
| 1,2-Dichloropropane | 0.9500 | 0.15 | 1 | 0 | 95.0 | 70 | 130 | 0.92 | 3.21 | 30 | |
| 1,3,5-Trimethylbenzene | 1.070 | 0.15 | 1 | 0 | 107 | 70 | 130 | 1.04 | 2.84 | 30 | |
| 1,3-butadiene | 1.500 | 0.15 | 1 | 0 | 150 | 70 | 130 | 1.35 | 10.5 | 30 | S |
| 1,3-Dichlorobenzene | 1.030 | 0.15 | 1 | 0 | 103 | 70 | 130 | 1 | 2.96 | 30 | |
| 1,4-Dichlorobenzene | 1.030 | 0.15 | 1 | 0 | 103 | 70 | 130 | 1.02 | 0.976 | 30 | |
| 1,4-Dioxane | 1.150 | 0.30 | 1 | 0 | 115 | 70 | 130 | 1.08 | 6.28 | 30 | |
| 2,2,4-Trimethylpentane | 0.9800 | 0.15 | 1 | 0 | 98.0 | 70 | 130 | 0.97 | 1.03 | 30 | |
| 4-ethyltoluene | 1.020 | 0.15 | 1 | 0 | 102 | 70 | 130 | 1.02 | 0 | 30 | |

Qualifiers:

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

E Estimated Value above quantitation range

ND Not Detected at the Limit of Detection

H Holding times for preparation or analysis exceeded

R RPD outside accepted recovery limits

CLIENT: LaBella Associates, P.C.
 Work Order: C1710061
 Project: 300 Commerce Dr

TestCode: 0.25CT-TCE-VC

| Sample ID: C1710061-003A MS | | SampType: MSD | | TestCode: 0.25CT-TCE- | | Units: ppbV | | Prep Date: | | RunNo: 12887 | |
|------------------------------|--------|------------------|-----------|-----------------------|------|---------------------------|-----------|---------------|-------|--------------|------|
| Client ID: 2017_10_24_Outdoo | | Batch ID: R12887 | | TestNo: TO-15 | | Analysis Date: 10/30/2017 | | SeqNo: 149972 | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Acetone | 6.100 | 0.30 | 1 | 4.4 | 170 | 70 | 130 | 5.31 | 13.8 | 30 | S |
| Allyl chloride | 0.9900 | 0.15 | 1 | 0 | 99.0 | 70 | 130 | 0.91 | 8.42 | 30 | |
| Benzene | 1.030 | 0.15 | 1 | 0 | 103 | 70 | 130 | 1 | 2.96 | 30 | |
| Benzyl chloride | 1.060 | 0.15 | 1 | 0 | 106 | 70 | 130 | 1.04 | 1.90 | 30 | |
| Bromodichloromethane | 0.9600 | 0.15 | 1 | 0 | 96.0 | 70 | 130 | 0.94 | 2.11 | 30 | |
| Bromoform | 0.9600 | 0.15 | 1 | 0 | 96.0 | 70 | 130 | 0.94 | 2.11 | 30 | |
| Bromomethane | 0.9600 | 0.15 | 1 | 0 | 96.0 | 70 | 130 | 0.94 | 2.11 | 30 | |
| Carbon disulfide | 0.9200 | 0.15 | 1 | 0 | 92.0 | 70 | 130 | 0.91 | 1.09 | 30 | |
| Carbon tetrachloride | 1.030 | 0.040 | 1 | 0.07 | 96.0 | 70 | 130 | 1.01 | 1.96 | 30 | |
| Chlorobenzene | 0.9400 | 0.15 | 1 | 0 | 94.0 | 70 | 130 | 0.92 | 2.15 | 30 | |
| Chloroethane | 0.9600 | 0.15 | 1 | 0 | 96.0 | 70 | 130 | 0.94 | 2.11 | 30 | |
| Chloroform | 0.9900 | 0.15 | 1 | 0 | 99.0 | 70 | 130 | 0.96 | 3.08 | 30 | |
| Chloromethane | 1.250 | 0.15 | 1 | 0.39 | 86.0 | 70 | 130 | 1.29 | 3.15 | 30 | |
| cis-1,2-Dichloroethene | 0.9300 | 0.15 | 1 | 0 | 93.0 | 70 | 130 | 0.88 | 5.52 | 30 | |
| cis-1,3-Dichloropropene | 0.9000 | 0.15 | 1 | 0 | 90.0 | 70 | 130 | 0.88 | 2.25 | 30 | |
| Cyclohexane | 0.9900 | 0.15 | 1 | 0 | 99.0 | 70 | 130 | 0.97 | 2.04 | 30 | |
| Dibromochloromethane | 0.9400 | 0.15 | 1 | 0 | 94.0 | 70 | 130 | 0.94 | 0 | 30 | |
| Ethyl acetate | 0.9300 | 0.15 | 1 | 0 | 93.0 | 70 | 130 | 0.92 | 1.08 | 30 | |
| Ethylbenzene | 0.9700 | 0.15 | 1 | 0 | 97.0 | 70 | 130 | 0.94 | 3.14 | 30 | |
| Freon 11 | 1.170 | 0.15 | 1 | 0.21 | 96.0 | 70 | 130 | 1.13 | 3.48 | 30 | |
| Freon 113 | 1.060 | 0.15 | 1 | 0 | 106 | 70 | 130 | 1.08 | 1.87 | 30 | |
| Freon 114 | 1.010 | 0.15 | 1 | 0 | 101 | 70 | 130 | 0.96 | 5.08 | 30 | |
| Freon 12 | 1.290 | 0.15 | 1 | 0.44 | 85.0 | 70 | 130 | 1.26 | 2.35 | 30 | |
| Heptane | 1.010 | 0.15 | 1 | 0 | 101 | 70 | 130 | 1 | 0.995 | 30 | |
| Hexachloro-1,3-butadiene | 1.100 | 0.15 | 1 | 0 | 110 | 70 | 130 | 1.08 | 1.83 | 30 | |
| Hexane | 1.050 | 0.15 | 1 | 0 | 105 | 70 | 130 | 1.02 | 2.90 | 30 | |
| Isopropyl alcohol | 1.380 | 0.15 | 1 | 0.54 | 84.0 | 70 | 130 | 1.31 | 5.20 | 30 | |
| m&p-Xylene | 2.060 | 0.30 | 2 | 0.23 | 91.5 | 70 | 130 | 2.05 | 0.487 | 30 | |
| Methyl Butyl Ketone | 1.440 | 0.30 | 1 | 0 | 144 | 70 | 130 | 1.28 | 11.8 | 30 | S |
| Methyl Ethyl Ketone | 1.190 | 0.30 | 1 | 0.33 | 86.0 | 70 | 130 | 1.21 | 1.67 | 30 | |
| Methyl Isobutyl Ketone | 1.170 | 0.30 | 1 | 0.11 | 106 | 70 | 130 | 1.13 | 3.48 | 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: C1710061
 Project: 300 Commerce Dr

TestCode: 0.25CT-TCE-VC

| Sample ID: C1710061-003A MS | | SampType: MSD | | TestCode: 0.25CT-TCE- | | Units: ppbV | | Prep Date: | | RunNo: 12887 | |
|------------------------------|--------|------------------|-----------|-----------------------|------|---------------------------|-----------|---------------|-------|--------------|------|
| Client ID: 2017_10_24_Outdoo | | Batch ID: R12887 | | TestNo: TO-15 | | Analysis Date: 10/30/2017 | | SeqNo: 149972 | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Methyl tert-butyl ether | 0.9400 | 0.15 | 1 | 0 | 94.0 | 70 | 130 | 0.91 | 3.24 | 30 | SR |
| Methylene chloride | 2.940 | 0.15 | 1 | 0.26 | 268 | 70 | 130 | 1.68 | 54.5 | 30 | |
| o-Xylene | 1.100 | 0.15 | 1 | 0.1 | 100 | 70 | 130 | 1.06 | 3.70 | 30 | |
| Propylene | 1.350 | 0.15 | 1 | 0 | 135 | 70 | 130 | 1.28 | 5.32 | 30 | S |
| Styrene | 1.020 | 0.15 | 1 | 0 | 102 | 70 | 130 | 1.01 | 0.985 | 30 | |
| Tetrachloroethylene | 0.9500 | 0.15 | 1 | 0 | 95.0 | 70 | 130 | 0.96 | 1.05 | 30 | |
| Tetrahydrofuran | 0.9400 | 0.15 | 1 | 0 | 94.0 | 70 | 130 | 0.9 | 4.35 | 30 | |
| Toluene | 1.620 | 0.15 | 1 | 0.77 | 85.0 | 70 | 130 | 1.61 | 0.619 | 30 | |
| trans-1,2-Dichloroethene | 0.8900 | 0.15 | 1 | 0 | 89.0 | 70 | 130 | 0.91 | 2.22 | 30 | |
| trans-1,3-Dichloropropene | 0.8400 | 0.15 | 1 | 0 | 84.0 | 70 | 130 | 0.82 | 2.41 | 30 | |
| Trichloroethene | 0.9200 | 0.040 | 1 | 0 | 92.0 | 70 | 130 | 0.9 | 2.20 | 30 | |
| Vinyl acetate | 0.8900 | 0.15 | 1 | 0 | 89.0 | 70 | 130 | 0.87 | 2.27 | 30 | |
| Vinyl Bromide | 0.9400 | 0.15 | 1 | 0 | 94.0 | 70 | 130 | 0.92 | 2.15 | 30 | |
| Vinyl chloride | 0.9500 | 0.040 | 1 | 0 | 95.0 | 70 | 130 | 0.89 | 6.52 | 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 | | | | |

Data File : C:\HPCHEM\1\DATA2\AO103006.D

Vial: 22

Acq On : 30 Oct 2017 3:32 pm

Operator: RJP

Sample : C1710061-003A MS

Inst : MSD #1

Misc : AN30_1UG

Multiplr: 1.00

MS Integration Params: RTEINT.P

Quant Time: Oct 30 17:28:32 2017

Quant Results File: AN24_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\AN24_1UG.M (RTE Integrator)

Title : TO-15 VOA Standards for 5 point calibration

Last Update : Wed Oct 25 08:32:47 2017

Response via : Initial Calibration

DataAcq Meth : 1UG_RUN

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------|-------|------|----------|------|-------|----------|
| 1) Bromochloromethane | 10.63 | 128 | 22735m | 1.00 | ppb | 0.00 |
| 35) 1,4-difluorobenzene | 12.85 | 114 | 100638 | 1.00 | ppb | 0.00 |
| 50) Chlorobenzene-d5 | 17.58 | 117 | 87522 | 1.00 | ppb | 0.00 |

System Monitoring Compounds

| | | | | | | |
|------------------------|-------|-------|----------|----------|-----|---------|
| 65) Bromofluorobenzene | 19.31 | 95 | 60761 | 1.03 | ppb | 0.00 |
| Spiked Amount | 1.000 | Range | 70 - 130 | Recovery | = | 103.00% |

Target Compounds

| Target Compounds | R.T. | QIon | Response | Conc | Units | Qvalue |
|------------------------------|-------|------|----------|------|-------|--------|
| 2) Propylene | 4.65 | 41 | 28456 | 1.28 | ppb | 89 |
| 3) Freon 12 | 4.71 | 85 | 132204 | 1.26 | ppb | 98 |
| 4) Chloromethane | 4.94 | 50 | 30434 | 1.29 | ppb | 88 |
| 5) Freon 114 | 4.94 | 85 | 85653 | 0.96 | ppb | 97 |
| 6) Vinyl Chloride | 5.15 | 62 | 22647 | 0.89 | ppb | 94 |
| 7) Butane | 5.27 | 43 | 68447 | 2.71 | ppb | 93 |
| 8) 1,3-butadiene | 5.28 | 39 | 24643m | 1.35 | ppb | |
| 9) Bromomethane | 5.66 | 94 | 31818 | 0.94 | ppb | 88 |
| 10) Chloroethane | 5.85 | 64 | 10664 | 0.94 | ppb | 94 |
| 11) Ethanol | 5.94 | 45 | 16314 | 2.23 | ppb | # 53 |
| 12) Acrolein | 6.57 | 56 | 7198 | 0.85 | ppb | 81 |
| 13) Vinyl Bromide | 6.22 | 106 | 31951 | 0.92 | ppb | 87 |
| 14) Freon 11 | 6.52 | 101 | 118442 | 1.13 | ppb | 99 |
| 15) Acetone | 6.68 | 58 | 52639 | 5.31 | ppb | # 65 |
| 16) Pentane | 6.81 | 42 | 25270 | 1.21 | ppb | # 65 |
| 17) Isopropyl alcohol | 6.78 | 45 | 40389 | 1.31 | ppb | # 1 |
| 18) 1,1-dichloroethene | 7.33 | 96 | 27758 | 0.98 | ppb | 95 |
| 19) Freon 113 | 7.53 | 101 | 67796 | 1.08 | ppb | 95 |
| 20) t-Butyl alcohol | 7.54 | 59 | 40556 | 1.02 | ppb | 95 |
| 21) Methylene chloride | 7.80 | 84 | 47177 | 1.68 | ppb | 90 |
| 22) Allyl chloride | 7.79 | 41 | 29027 | 0.91 | ppb | 93 |
| 23) Carbon disulfide | 7.98 | 76 | 82741 | 0.91 | ppb | 83 |
| 24) trans-1,2-dichloroethene | 8.78 | 61 | 37743 | 0.91 | ppb | 98 |
| 25) methyl tert-butyl ether | 8.79 | 73 | 62522 | 0.91 | ppb | 100 |
| 26) 1,1-dichloroethane | 9.21 | 63 | 50647 | 0.95 | ppb | 97 |
| 27) Vinyl acetate | 9.19 | 43 | 53411 | 0.87 | ppb | 96 |
| 28) Methyl Ethyl Ketone | 9.69 | 72 | 15207 | 1.21 | ppb | # 1 |
| 29) cis-1,2-dichloroethene | 10.17 | 61 | 34557 | 0.88 | ppb | 97 |
| 30) Hexane | 9.77 | 57 | 41976 | 1.02 | ppb | 87 |
| 31) Ethyl acetate | 10.30 | 43 | 51637 | 0.92 | ppb | 89 |
| 32) Chloroform | 10.79 | 83 | 67731 | 0.96 | ppb | 99 |
| 33) Tetrahydrofuran | 10.94 | 42 | 22781 | 0.90 | ppb | 95 |
| 34) 1,2-dichloroethane | 11.89 | 62 | 38747 | 0.93 | ppb | 100 |
| 36) 1,1,1-trichloroethane | 11.61 | 97 | 67736 | 0.98 | ppb | 90 |
| 37) Cyclohexane | 12.30 | 56 | 38725 | 0.97 | ppb | 92 |
| 38) Carbon tetrachloride | 12.24 | 117 | 79731 | 1.01 | ppb | 94 |
| 39) Benzene | 12.20 | 78 | 92514 | 1.00 | ppb | 99 |
| 40) Methyl methacrylate | 13.69 | 41 | 25463 | 0.83 | ppb | 95 |
| 41) 1,4-dioxane | 13.72 | 88 | 17502 | 1.08 | ppb | # 66 |
| 42) 2,2,4-trimethylpentane | 13.03 | 57 | 124204 | 0.97 | ppb | 97 |
| 43) Heptane | 13.36 | 43 | 44529 | 1.00 | ppb | 95 |
| 44) Trichloroethene | 13.48 | 130 | 39033 | 0.90 | ppb | 95 |
| 45) 1,2-dichloropropane | 13.59 | 63 | 32166 | 0.92 | ppb | 93 |

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

AO103006.D AN24_1UG.M

Mon Nov 20 08:46:56 2017

MSD1

Page 1

Data File : C:\HPCHEM\1\DATA2\AO103006.D

Vial: 22

Acq On : 30 Oct 2017 3:32 pm

Operator: RJP

Sample : C1710061-003A MS

Inst : MSD #1

Misc : AN30_1UG

Multiplr: 1.00

MS Integration Params: RTEINT.P

Quant Time: Oct 30 17:28:32 2017

Quant Results File: AN24_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\AN24_1UG.M (RTE Integrator)

Title : TO-15 VOA Standards for 5 point calibration

Last Update : Wed Oct 25 08:32:47 2017

Response via : Initial Calibration

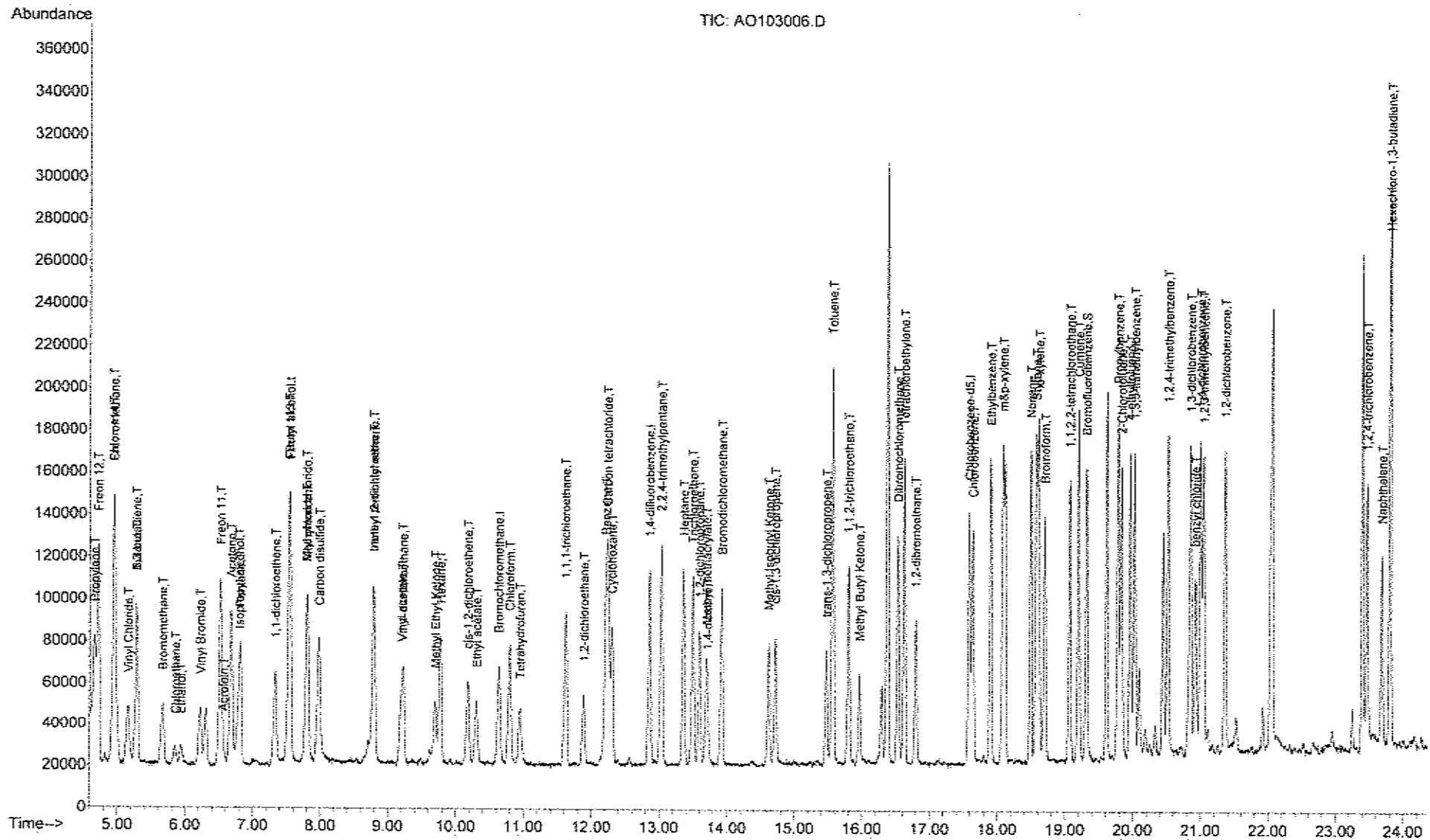
DataAcq Meth : 1UG_RUN

| Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|-------------------------------|-------|------|----------|------|------|--------|
| 46) Bromodichloromethane | 13.92 | 83 | 71533 | 0.94 | ppb | 97 |
| 47) cis-1,3-dichloropropene | 14.72 | 75 | 47628 | 0.88 | ppb | 97 |
| 48) trans-1,3-dichloropropene | 15.47 | 75 | 39212 | 0.82 | ppb | 96 |
| 49) 1,1,2-trichloroethane | 15.80 | 97 | 38706 | 0.93 | ppb | 92 |
| 51) Toluene | 15.56 | 92 | 101142 | 1.61 | ppb | 88 |
| 52) Methyl Isobutyl Ketone | 14.62 | 43 | 45813 | 1.13 | ppb | 97 |
| 53) Dibromochloromethane | 16.53 | 129 | 76464 | 0.94 | ppb | 99 |
| 54) Methyl Butyl Ketone | 15.96 | 43 | 30740m | 1.28 | ppb | |
| 55) 1,2-dibromoethane | 16.79 | 107 | 60514 | 0.91 | ppb | 97 |
| 56) Tetrachloroethylene | 16.62 | 164 | 40695 | 0.96 | ppb | 86 |
| 57) Chlorobenzene | 17.64 | 112 | 79553 | 0.92 | ppb | 88 |
| 58) Ethylbenzene | 17.90 | 91 | 131876 | 0.94 | ppb | 100 |
| 59) m&p-xylene | 18.08 | 91 | 205140 | 2.05 | ppb | 97 |
| 60) Nonane | 18.49 | 43 | 59877 | 0.94 | ppb | 96 |
| 61) Styrene | 18.57 | 104 | 62520 | 1.01 | ppb | 71 |
| 62) Bromoform | 18.70 | 173 | 69201 | 0.94 | ppb | 96 |
| 63) o-xylene | 18.60 | 91 | 115909 | 1.06 | ppb | 95 |
| 64) Cumene | 19.19 | 105 | 133951 | 0.94 | ppb | 97 |
| 66) 1,1,2,2-tetrachloroethane | 19.07 | 83 | 88447 | 0.96 | ppb | 97 |
| 67) Propylbenzene | 19.78 | 120 | 35065 | 0.98 | ppb | # 61 |
| 68) 2-Chlorotoluene | 19.82 | 126 | 34632 | 0.94 | ppb | 92 |
| 69) 4-ethyltoluene | 19.96 | 105 | 109136 | 1.02 | ppb | 98 |
| 70) 1,3,5-trimethylbenzene | 20.02 | 105 | 98973 | 1.04 | ppb | 96 |
| 71) 1,2,4-trimethylbenzene | 20.51 | 105 | 105290 | 1.49 | ppb | 95 |
| 72) 1,3-dichlorobenzene | 20.84 | 146 | 81220 | 1.00 | ppb | 98 |
| 73) benzyl chloride | 20.92 | 91 | 66474 | 1.04 | ppb | 98 |
| 74) 1,4-dichlorobenzene | 20.99 | 146 | 80604 | 1.02 | ppb | 94 |
| 75) 1,2,3-trimethylbenzene | 21.04 | 105 | 100184 | 1.15 | ppb | 98 |
| 76) 1,2-dichlorobenzene | 21.35 | 146 | 76091 | 0.97 | ppb | 97 |
| 77) 1,2,4-trichlorobenzene | 23.46 | 180 | 44512 | 1.31 | ppb | 97 |
| 78) Naphthalene | 23.68 | 128 | 85517 | 2.27 | ppb | 93 |
| 79) Hexachloro-1,3-butadiene | 23.80 | 225 | 57905 | 1.08 | ppb | 96 |

Vial: 22
Operator: RJP
Inst : MSD #1
Multiplier: 1.00

Quant Results File: AN24 1UG.RES

```
Method       : C:\HPCHEM\1\METHODS\AN24_1UG.M (RTE Integrator)
Title        : TO-15 VOA Standards for 5 point calibration
Last Update  : Mon Nov 20 08:43:22 2017
Response via : Initial Calibration
```



Data File : C:\HPCHEM\1\DATA2\AO103007.D

Acq On : 30 Oct 2017 4:19 pm

Sample : C1710061-003A MSD

Misc : AN30_1UG

MS Integration Params: RTEINT.P

Quant Time: Oct 30 17:28:33 2017

Vial: 23

Operator: RJP

Inst : MSD #1

Multiplr: 1.00

Quant Results File: AN24_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\AN24_1UG.M (RTE Integrator)

Title : TO-15 VOA Standards for 5 point calibration

Last Update : Wed Oct 25 08:32:47 2017

Response via : Initial Calibration

DataAcq Meth : 1UG_RUN

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------|-------|------|----------|------|-------|----------|
| 1) Bromochloromethane | 10.63 | 128 | 21894m | 1.00 | ppb | 0.00 |
| 35) 1,4-difluorobenzene | 12.85 | 114 | 98555 | 1.00 | ppb | 0.00 |
| 50) Chlorobenzene-d5 | 17.58 | 117 | 85601 | 1.00 | ppb | 0.00 |

System Monitoring Compounds

| | | | | | | |
|------------------------|-------|-------|----------|----------|-----------|------|
| 65) Bromofluorobenzene | 19.31 | 95 | 59353 | 1.03 | ppb | 0.00 |
| Spiked Amount | 1.000 | Range | 70 - 130 | Recovery | = 103.00% | |

Target Compounds

| | | | | | | Qvalue |
|------------------------------|-------|-----|--------|------|-----|--------|
| 2) Propylene | 4.66 | 41 | 28745 | 1.35 | ppb | 92 |
| 3) Freon 12 | 4.72 | 85 | 130585 | 1.29 | ppb | 99 |
| 4) Chloromethane | 4.94 | 50 | 28534m | 1.25 | ppb | |
| 5) Freon 114 | 4.94 | 85 | 86241 | 1.01 | ppb | 97 |
| 6) Vinyl Chloride | 5.16 | 62 | 23123 | 0.95 | ppb | 91 |
| 7) Butane | 5.28 | 43 | 67883 | 2.79 | ppb | 91 |
| 8) 1,3-butadiene | 5.28 | 39 | 26298m | 1.50 | ppb | |
| 9) Bromomethane | 5.66 | 94 | 31280 | 0.96 | ppb | 84 |
| 10) Chloroethane | 5.86 | 64 | 10504 | 0.96 | ppb | 94 |
| 11) Ethanol | 5.94 | 45 | 17152 | 2.43 | ppb | # 50 |
| 12) Acrolein | 6.57 | 56 | 7716 | 0.95 | ppb | 77 |
| 13) Vinyl Bromide | 6.22 | 106 | 31432 | 0.94 | ppb | 86 |
| 14) Freon 11 | 6.52 | 101 | 117600 | 1.17 | ppb | 98 |
| 15) Acetone | 6.67 | 58 | 58270 | 6.10 | ppb | # 67 |
| 16) Pentane | 6.81 | 42 | 28062 | 1.39 | ppb | # 67 |
| 17) Isopropyl alcohol | 6.78 | 45 | 40918 | 1.38 | ppb | # 1 |
| 18) 1,1-dichloroethene | 7.33 | 96 | 27214 | 1.00 | ppb | 94 |
| 19) Freon 113 | 7.54 | 101 | 64510 | 1.06 | ppb | 95 |
| 20) t-Butyl alcohol | 7.54 | 59 | 40663 | 1.06 | ppb | 93 |
| 21) Methylene chloride | 7.81 | 84 | 79556 | 2.94 | ppb | 94 |
| 22) Allyl chloride | 7.79 | 41 | 30498 | 0.99 | ppb | 96 |
| 23) Carbon disulfide | 7.99 | 76 | 81162 | 0.92 | ppb | 84 |
| 24) trans-1,2-dichloroethene | 8.78 | 61 | 35582 | 0.89 | ppb | 96 |
| 25) methyl tert-butyl ether | 8.78 | 73 | 62027 | 0.94 | ppb | 100 |
| 26) 1,1-dichloroethane | 9.23 | 63 | 50489 | 0.98 | ppb | 99 |
| 27) Vinyl acetate | 9.19 | 43 | 52752 | 0.89 | ppb | 96 |
| 28) Methyl Ethyl Ketone | 9.69 | 72 | 14372 | 1.19 | ppb | # 68 |
| 29) cis-1,2-dichloroethene | 10.18 | 61 | 35223 | 0.93 | ppb | 98 |
| 30) Hexane | 9.77 | 57 | 41586 | 1.05 | ppb | 87 |
| 31) Ethyl acetate | 10.30 | 43 | 50623 | 0.93 | ppb | 91 |
| 32) Chloroform | 10.79 | 83 | 67269 | 0.99 | ppb | 99 |
| 33) Tetrahydrofuran | 10.94 | 42 | 22987 | 0.94 | ppb | 94 |
| 34) 1,2-dichloroethane | 11.88 | 62 | 37970 | 0.94 | ppb | 100 |
| 36) 1,1,1-trichloroethane | 11.62 | 97 | 66832 | 0.99 | ppb | 90 |
| 37) Cyclohexane | 12.30 | 56 | 38855 | 0.99 | ppb | 94 |
| 38) Carbon tetrachloride | 12.24 | 117 | 79485 | 1.03 | ppb | 93 |
| 39) Benzene | 12.20 | 78 | 93831 | 1.03 | ppb | 99 |
| 40) Methyl methacrylate | 13.69 | 41 | 26142 | 0.87 | ppb | 96 |
| 41) 1,4-dioxane | 13.71 | 88 | 18115 | 1.15 | ppb | # 64 |
| 42) 2,2,4-trimethylpentane | 13.03 | 57 | 122891 | 0.98 | ppb | 95 |
| 43) Heptane | 13.35 | 43 | 44405 | 1.01 | ppb | 94 |
| 44) Trichloroethene | 13.49 | 130 | 38947 | 0.92 | ppb | 95 |
| 45) 1,2-dichloropropane | 13.59 | 63 | 32664 | 0.95 | ppb | 92 |

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

AO103007.D AN24_1UG.M

Mon Nov 20 08:47:01 2017

MSD1

Page 1

Data File : C:\HPCHEM\1\DATA2\AO103007.D

Vial: 23

Acq On : 30 Oct 2017 4:19 pm

Operator: RJP

Sample : C1710061-003A MSD

Inst : MSD #1

Misc : AN30_1UG

Multiplr: 1.00

MS Integration Params: RTEINT.P

Quant Time: Oct 30 17:28:33 2017

Quant Results File: AN24_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\AN24_1UG.M (RTE Integrator)

Title : TO-15 VOA Standards for 5 point calibration

Last Update : Wed Oct 25 08:32:47 2017

Response via : Initial Calibration

DataAcq Meth : 1UG_RUN

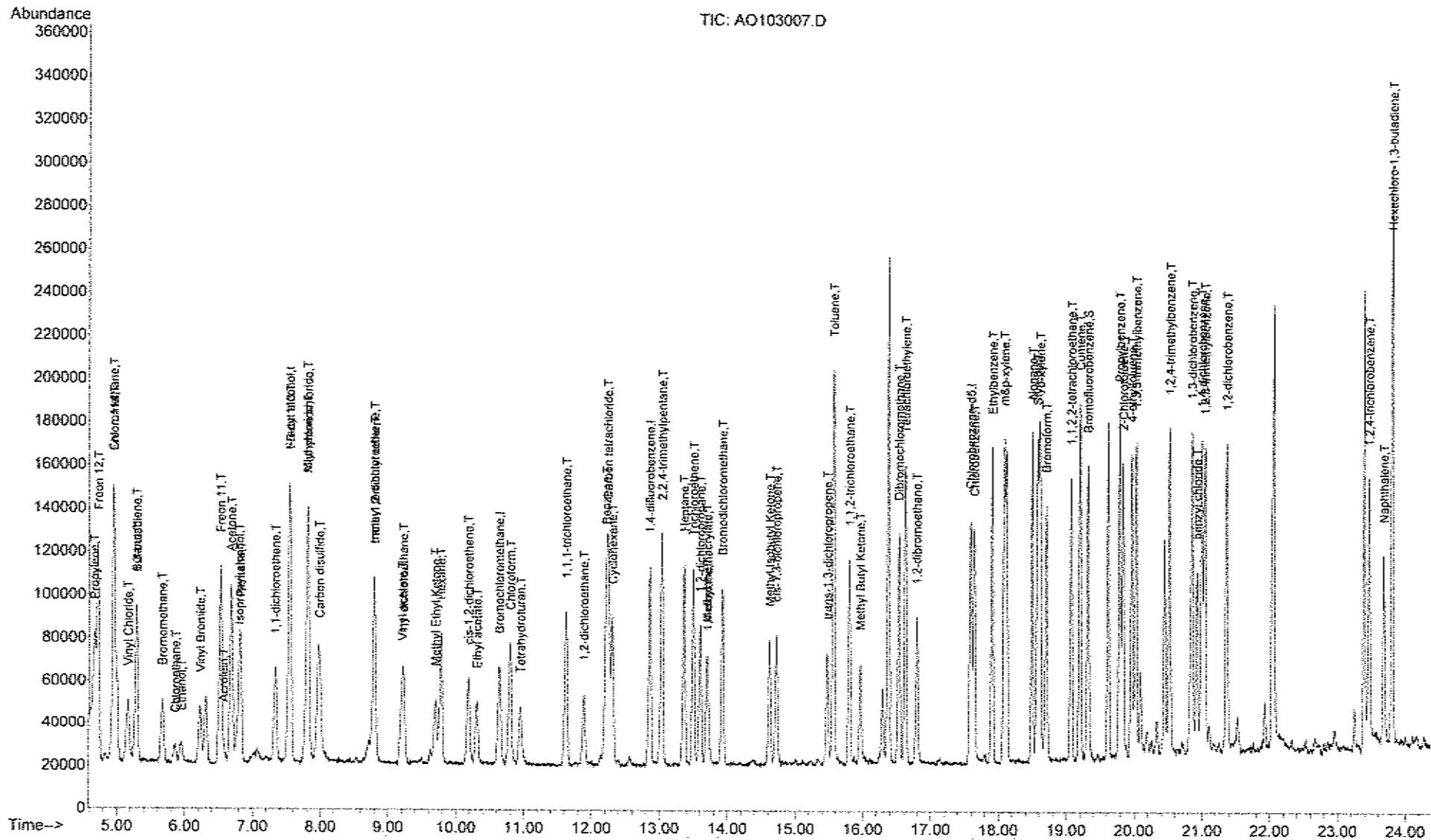
| Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|-------------------------------|-------|------|----------|------|------|--------|
| 46) Bromodichloromethane | 13.92 | 83 | 71890 | 0.96 | ppb | 96 |
| 47) cis-1,3-dichloropropene | 14.72 | 75 | 47399 | 0.90 | ppb | 97 |
| 48) trans-1,3-dichloropropene | 15.47 | 75 | 39173 | 0.84 | ppb | 97 |
| 49) 1,1,2-trichloroethane | 15.80 | 97 | 37799 | 0.92 | ppb | 91 |
| 51) Toluene | 15.56 | 92 | 99836 | 1.62 | ppb | 90 |
| 52) Methyl Isobutyl Ketone | 14.62 | 43 | 46370 | 1.17 | ppb | 97 |
| 53) Dibromochloromethane | 16.53 | 129 | 75373 | 0.94 | ppb | 100 |
| 54) Methyl Butyl Ketone | 15.96 | 43 | 33694 | 1.44 | ppb | 97 |
| 55) 1,2-dibromoethane | 16.79 | 107 | 62067 | 0.95 | ppb | 96 |
| 56) Tetrachloroethylene | 16.62 | 164 | 39545 | 0.95 | ppb | 87 |
| 57) Chlorobenzene | 17.63 | 112 | 79005 | 0.94 | ppb | 87 |
| 58) Ethylbenzene | 17.90 | 91 | 131808 | 0.97 | ppb | 99 |
| 59) m&p-xylene | 18.08 | 91 | 201511 | 2.06 | ppb | 97 |
| 60) Nonane | 18.49 | 43 | 59692 | 0.96 | ppb | 95 |
| 61) Styrene | 18.57 | 104 | 62077 | 1.02 | ppb | 74 |
| 62) Bromoform | 18.69 | 173 | 68893 | 0.96 | ppb | 96 |
| 63) o-xylene | 18.60 | 91 | 116844 | 1.10 | ppb | 94 |
| 64) Cumene | 19.19 | 105 | 132709 | 0.95 | ppb | 96 |
| 66) 1,1,2,2-tetrachloroethane | 19.06 | 83 | 85389 | 0.95 | ppb | 100 |
| 67) Propylbenzene | 19.78 | 120 | 33799 | 0.97 | ppb | # 57 |
| 68) 2-Chlorotoluene | 19.83 | 126 | 34081 | 0.95 | ppb | 92 |
| 69) 4-ethyltoluene | 19.96 | 105 | 107373 | 1.02 | ppb | 99 |
| 70) 1,3,5-trimethylbenzene | 20.02 | 105 | 100146 | 1.07 | ppb | 95 |
| 71) 1,2,4-trimethylbenzene | 20.51 | 105 | 104012 | 1.50 | ppb | 95 |
| 72) 1,3-dichlorobenzene | 20.85 | 146 | 82063 | 1.03 | ppb | 97 |
| 73) benzyl chloride | 20.92 | 91 | 66265 | 1.06 | ppb | 96 |
| 74) 1,4-dichlorobenzene | 20.99 | 146 | 80349 | 1.03 | ppb | 94 |
| 75) 1,2,3-trimethylbenzene | 21.04 | 105 | 99507 | 1.17 | ppb | 98 |
| 76) 1,2-dichlorobenzene | 21.36 | 146 | 75912 | 0.99 | ppb | 98 |
| 77) 1,2,4-trichlorobenzene | 23.46 | 180 | 44189 | 1.33 | ppb | 98 |
| 78) Naphthalene | 23.68 | 128 | 84228 | 2.29 | ppb | 93 |
| 79) Hexachloro-1,3-butadiene | 23.80 | 225 | 57282 | 1.10 | ppb | 95 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed
 AO103007.D AN24_1UG.M Mon Nov 20 08:47:01 2017 MSD1

Vial: 23
Operator: RJP
Inst : MSD #1
Multiplr: 1.00

Quant Results File: AN24 1UG.RES

```
Method       : C:\HPCHEM\1\METHODS\AN24_1UG.M (RTE Integrator)
Title        : TO-15 VOA Standards for 5 point calibration
Last Update  : Mon Nov 20 08:43:22 2017
Response via : Initial Calibration
```



AO103007.D AN24 1UG.M Mon Nov 20 08:47:02 2017

MSD1

Page 3

ANALYTICAL QC SUMMARY REPORT

CLIENT: LaBella Associates, P.C.
Work Order: C1710061
Project: 300 Commerce Dr

TestCode: 0.25CT-TCE-VC

| Sample ID: ALCS1UG-103017 | SampType: LCS | TestCode: 0.25CT-TCE- | Units: ppbV | Prep Date: | RunNo: 12887 | | | | | | |
|----------------------------------|-------------------------|------------------------------|--------------------|----------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Client ID: ZZZZZ | Batch ID: R12887 | TestNo: TO-15 | | Analysis Date: 10/30/2017 | SeqNo: 149964 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| 1,1,1-Trichloroethane | 1.000 | 0.15 | 1 | 0 | 100 | 70 | 130 | | | | |
| 1,1,2,2-Tetrachloroethane | 0.9900 | 0.15 | 1 | 0 | 99.0 | 70 | 130 | | | | |
| 1,1,2-Trichloroethane | 0.9600 | 0.15 | 1 | 0 | 96.0 | 70 | 130 | | | | |
| 1,1-Dichloroethane | 1.040 | 0.15 | 1 | 0 | 104 | 70 | 130 | | | | |
| 1,1-Dichloroethene | 1.050 | 0.15 | 1 | 0 | 105 | 70 | 130 | | | | |
| 1,2,4-Trichlorobenzene | 0.9800 | 0.15 | 1 | 0 | 98.0 | 70 | 130 | | | | |
| 1,2,4-Trimethylbenzene | 1.130 | 0.15 | 1 | 0 | 113 | 70 | 130 | | | | |
| 1,2-Dibromoethane | 0.9900 | 0.15 | 1 | 0 | 99.0 | 70 | 130 | | | | |
| 1,2-Dichlorobenzene | 1.010 | 0.15 | 1 | 0 | 101 | 70 | 130 | | | | |
| 1,2-Dichloroethane | 0.9800 | 0.15 | 1 | 0 | 98.0 | 70 | 130 | | | | |
| 1,2-Dichloropropane | 0.9900 | 0.15 | 1 | 0 | 99.0 | 70 | 130 | | | | |
| 1,3,5-Trimethylbenzene | 1.100 | 0.15 | 1 | 0 | 110 | 70 | 130 | | | | |
| 1,3-butadiene | 1.220 | 0.15 | 1 | 0 | 122 | 70 | 130 | | | | |
| 1,3-Dichlorobenzene | 0.9900 | 0.15 | 1 | 0 | 99.0 | 70 | 130 | | | | |
| 1,4-Dichlorobenzene | 1.010 | 0.15 | 1 | 0 | 101 | 70 | 130 | | | | |
| 1,4-Dioxane | 1.230 | 0.30 | 1 | 0 | 123 | 70 | 130 | | | | |
| 2,2,4-Trimethylpentane | 1.000 | 0.15 | 1 | 0 | 100 | 70 | 130 | | | | |
| 4-ethyltoluene | 1.100 | 0.15 | 1 | 0 | 110 | 70 | 130 | | | | |
| Acetone | 0.9700 | 0.30 | 1 | 0 | 97.0 | 70 | 130 | | | | |
| Allyl chloride | 0.9700 | 0.15 | 1 | 0 | 97.0 | 70 | 130 | | | | |
| Benzene | 0.9700 | 0.15 | 1 | 0 | 97.0 | 70 | 130 | | | | |
| Benzyl chloride | 0.9200 | 0.15 | 1 | 0 | 92.0 | 70 | 130 | | | | |
| Bromodichloromethane | 0.9800 | 0.15 | 1 | 0 | 98.0 | 70 | 130 | | | | |
| Bromoform | 0.9900 | 0.15 | 1 | 0 | 99.0 | 70 | 130 | | | | |
| Bromomethane | 0.9500 | 0.15 | 1 | 0 | 95.0 | 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: C1710061

Project: 300 Commerce Dr

TestCode: 0.25CT-TCE-VC

| Sample ID: ALCS1UG-103017 | | SampType: LCS | | TestCode: 0.25CT-TCE- | | Units: ppbV | | Prep Date: | | RunNo: 12887 | |
|---------------------------|--------|------------------|-----------|-----------------------|------|---------------------------|-----------|---------------|------|--------------|------|
| Client ID: ZZZZZ | | Batch ID: R12887 | | TestNo: TO-15 | | Analysis Date: 10/30/2017 | | SeqNo: 149964 | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Carbon disulfide | 0.9700 | 0.15 | 1 | 0 | 97.0 | 70 | 130 | | | | |
| Carbon tetrachloride | 0.9700 | 0.040 | 1 | 0 | 97.0 | 70 | 130 | | | | |
| Chlorobenzene | 0.9900 | 0.15 | 1 | 0 | 99.0 | 70 | 130 | | | | |
| Chloroethane | 0.9400 | 0.15 | 1 | 0 | 94.0 | 70 | 130 | | | | |
| Chloroform | 1.010 | 0.15 | 1 | 0 | 101 | 70 | 130 | | | | |
| Chloromethane | 0.9600 | 0.15 | 1 | 0 | 96.0 | 70 | 130 | | | | |
| cis-1,2-Dichloroethene | 0.9600 | 0.15 | 1 | 0 | 96.0 | 70 | 130 | | | | |
| cis-1,3-Dichloropropene | 0.9200 | 0.15 | 1 | 0 | 92.0 | 70 | 130 | | | | |
| Cyclohexane | 1.010 | 0.15 | 1 | 0 | 101 | 70 | 130 | | | | |
| Dibromochloromethane | 1.000 | 0.15 | 1 | 0 | 100 | 70 | 130 | | | | |
| Ethyl acetate | 0.9900 | 0.15 | 1 | 0 | 99.0 | 70 | 130 | | | | |
| Ethylbenzene | 0.9700 | 0.15 | 1 | 0 | 97.0 | 70 | 130 | | | | |
| Freon 11 | 0.9500 | 0.15 | 1 | 0 | 95.0 | 70 | 130 | | | | |
| Freon 113 | 1.070 | 0.15 | 1 | 0 | 107 | 70 | 130 | | | | |
| Freon 114 | 0.9500 | 0.15 | 1 | 0 | 95.0 | 70 | 130 | | | | |
| Freon 12 | 0.9700 | 0.15 | 1 | 0 | 97.0 | 70 | 130 | | | | |
| Heptane | 0.9500 | 0.15 | 1 | 0 | 95.0 | 70 | 130 | | | | |
| Hexachloro-1,3-butadiene | 0.9600 | 0.15 | 1 | 0 | 96.0 | 70 | 130 | | | | |
| Hexane | 1.030 | 0.15 | 1 | 0 | 103 | 70 | 130 | | | | |
| Isopropyl alcohol | 0.9200 | 0.15 | 1 | 0 | 92.0 | 70 | 130 | | | | |
| m&p-Xylene | 2.030 | 0.30 | 2 | 0 | 102 | 70 | 130 | | | | |
| Methyl Butyl Ketone | 1.340 | 0.30 | 1 | 0 | 134 | 70 | 130 | | | | S |
| Methyl Ethyl Ketone | 1.000 | 0.30 | 1 | 0 | 100 | 70 | 130 | | | | |
| Methyl Isobutyl Ketone | 1.120 | 0.30 | 1 | 0 | 112 | 70 | 130 | | | | |
| Methyl tert-butyl ether | 1.040 | 0.15 | 1 | 0 | 104 | 70 | 130 | | | | |
| Methylene chloride | 0.9900 | 0.15 | 1 | 0 | 99.0 | 70 | 130 | | | | |
| o-Xylene | 1.000 | 0.15 | 1 | 0 | 100 | 70 | 130 | | | | |
| Propylene | 1.060 | 0.15 | 1 | 0 | 106 | 70 | 130 | | | | |
| Styrene | 1.060 | 0.15 | 1 | 0 | 106 | 70 | 130 | | | | |
| Tetrachloroethylene | 0.9900 | 0.15 | 1 | 0 | 99.0 | 70 | 130 | | | | |
| Tetrahydrofuran | 0.9900 | 0.15 | 1 | 0 | 99.0 | 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: C1710061

Project: 300 Commerce Dr

TestCode: 0.25CT-TCE-VC

| Sample ID: ALCS1UG-103017 | SampType: LCS | TestCode: 0.25CT-TCE- | Units: ppbV | Prep Date: | RunNo: 12887 | | | | | | |
|---------------------------|------------------|-----------------------|-------------|---------------------------|---------------|----------|-----------|-------------|------|----------|------|
| Client ID: ZZZZZ | Batch ID: R12887 | TestNo: TO-15 | | Analysis Date: 10/30/2017 | SeqNo: 149964 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Toluene | 0.9900 | 0.15 | 1 | 0 | 99.0 | 70 | 130 | | | | |
| trans-1,2-Dichloroethene | 0.9500 | 0.15 | 1 | 0 | 95.0 | 70 | 130 | | | | |
| trans-1,3-Dichloropropene | 0.8400 | 0.15 | 1 | 0 | 84.0 | 70 | 130 | | | | |
| Trichloroethene | 0.9300 | 0.040 | 1 | 0 | 93.0 | 70 | 130 | | | | |
| Vinyl acetate | 0.9500 | 0.15 | 1 | 0 | 95.0 | 70 | 130 | | | | |
| Vinyl Bromide | 0.9100 | 0.15 | 1 | 0 | 91.0 | 70 | 130 | | | | |
| Vinyl chloride | 0.9200 | 0.040 | 1 | 0 | 92.0 | 70 | 130 | | | | |

| Sample ID: ALCS1UGD-103017 | SampType: LCS D | TestCode: 0.25CT-TCE- | Units: ppbV | Prep Date: | RunNo: 12887 | | | | | | |
|----------------------------|------------------|-----------------------|-------------|---------------------------|---------------|----------|-----------|-------------|-------|----------|------|
| Client ID: ZZZZZ | Batch ID: R12887 | TestNo: TO-15 | | Analysis Date: 10/31/2017 | SeqNo: 149965 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| 1,1,1-Trichloroethane | 1.060 | 0.15 | 1 | 0 | 106 | 70 | 130 | 1 | 5.83 | 30 | |
| 1,1,2,2-Tetrachloroethane | 1.060 | 0.15 | 1 | 0 | 106 | 70 | 130 | 0.99 | 6.83 | 30 | |
| 1,1,2-Trichloroethane | 1.040 | 0.15 | 1 | 0 | 104 | 70 | 130 | 0.96 | 8.00 | 30 | |
| 1,1-Dichloroethane | 0.9900 | 0.15 | 1 | 0 | 99.0 | 70 | 130 | 1.04 | 4.93 | 30 | |
| 1,1-Dichloroethene | 1.050 | 0.15 | 1 | 0 | 105 | 70 | 130 | 1.05 | 0 | 30 | |
| 1,2,4-Trichlorobenzene | 1.000 | 0.15 | 1 | 0 | 100 | 70 | 130 | 0.98 | 2.02 | 30 | |
| 1,2,4-Trimethylbenzene | 0.9500 | 0.15 | 1 | 0 | 95.0 | 70 | 130 | 1.13 | 17.3 | 30 | |
| 1,2-Dibromoethane | 1.010 | 0.15 | 1 | 0 | 101 | 70 | 130 | 0.99 | 2.00 | 30 | |
| 1,2-Dichlorobenzene | 1.090 | 0.15 | 1 | 0 | 109 | 70 | 130 | 1.01 | 7.62 | 30 | |
| 1,2-Dichloroethane | 0.9800 | 0.15 | 1 | 0 | 98.0 | 70 | 130 | 0.98 | 0 | 30 | |
| 1,2-Dichloropropane | 1.000 | 0.15 | 1 | 0 | 100 | 70 | 130 | 0.99 | 1.01 | 30 | |
| 1,3,5-Trimethylbenzene | 1.040 | 0.15 | 1 | 0 | 104 | 70 | 130 | 1.1 | 5.61 | 30 | |
| 1,3-butadiene | 1.030 | 0.15 | 1 | 0 | 103 | 70 | 130 | 1.22 | 16.9 | 30 | |
| 1,3-Dichlorobenzene | 1.060 | 0.15 | 1 | 0 | 106 | 70 | 130 | 0.99 | 6.83 | 30 | |
| 1,4-Dichlorobenzene | 1.080 | 0.15 | 1 | 0 | 108 | 70 | 130 | 1.01 | 6.70 | 30 | |
| 1,4-Dioxane | 1.290 | 0.30 | 1 | 0 | 129 | 70 | 130 | 1.23 | 4.76 | 30 | |
| 2,2,4-trimethylpentane | 1.010 | 0.15 | 1 | 0 | 101 | 70 | 130 | 1 | 0.995 | 30 | |
| 4-ethyltoluene | 1.000 | 0.15 | 1 | 0 | 100 | 70 | 130 | 1.1 | 9.52 | 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: C1710061

Project: 300 Commerce Dr

TestCode: 0.25CT-TCE-VC

| Sample ID: ALCS1UGD-103017 | | SampType: LCSD | | TestCode: 0.25CT-TCE- | | Units: ppbV | | Prep Date: | | RunNo: 12887 | |
|----------------------------|--------|------------------|-----------|-----------------------|------|---------------------------|-----------|---------------|-------|--------------|------|
| Client ID: ZZZZ | | Batch ID: R12887 | | TestNo: TO-15 | | Analysis Date: 10/31/2017 | | SeqNo: 149965 | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Acetone | 0.9700 | 0.30 | 1 | 0 | 97.0 | 70 | 130 | 0.97 | 0 | 30 | |
| Allyl chloride | 0.9000 | 0.15 | 1 | 0 | 90.0 | 70 | 130 | 0.97 | 7.49 | 30 | |
| Benzene | 0.9900 | 0.15 | 1 | 0 | 99.0 | 70 | 130 | 0.97 | 2.04 | 30 | |
| Benzyl chloride | 1.090 | 0.15 | 1 | 0 | 109 | 70 | 130 | 0.92 | 16.9 | 30 | |
| Bromodichloromethane | 1.030 | 0.15 | 1 | 0 | 103 | 70 | 130 | 0.98 | 4.98 | 30 | |
| Bromoform | 1.030 | 0.15 | 1 | 0 | 103 | 70 | 130 | 0.99 | 3.96 | 30 | |
| Bromomethane | 1.000 | 0.15 | 1 | 0 | 100 | 70 | 130 | 0.95 | 5.13 | 30 | |
| Carbon disulfide | 0.9200 | 0.15 | 1 | 0 | 92.0 | 70 | 130 | 0.97 | 5.29 | 30 | |
| Carbon tetrachloride | 1.020 | 0.040 | 1 | 0 | 102 | 70 | 130 | 0.97 | 5.03 | 30 | |
| Chlorobenzene | 1.020 | 0.15 | 1 | 0 | 102 | 70 | 130 | 0.99 | 2.99 | 30 | |
| Chloroethane | 0.9700 | 0.15 | 1 | 0 | 97.0 | 70 | 130 | 0.94 | 3.14 | 30 | |
| Chloroform | 1.020 | 0.15 | 1 | 0 | 102 | 70 | 130 | 1.01 | 0.985 | 30 | |
| Chloromethane | 1.060 | 0.15 | 1 | 0 | 106 | 70 | 130 | 0.96 | 9.90 | 30 | |
| cis-1,2-Dichloroethene | 0.9600 | 0.15 | 1 | 0 | 96.0 | 70 | 130 | 0.96 | 0 | 30 | |
| cis-1,3-Dichloropropene | 0.9900 | 0.15 | 1 | 0 | 99.0 | 70 | 130 | 0.92 | 7.33 | 30 | |
| Cyclohexane | 1.000 | 0.15 | 1 | 0 | 100 | 70 | 130 | 1.01 | 0.995 | 30 | |
| Dibromochloromethane | 1.050 | 0.15 | 1 | 0 | 105 | 70 | 130 | 1 | 4.88 | 30 | |
| Ethyl acetate | 0.9300 | 0.15 | 1 | 0 | 93.0 | 70 | 130 | 0.99 | 6.25 | 30 | |
| Ethylbenzene | 0.9700 | 0.15 | 1 | 0 | 97.0 | 70 | 130 | 0.97 | 0 | 30 | |
| Freon 11 | 1.060 | 0.15 | 1 | 0 | 106 | 70 | 130 | 0.95 | 10.9 | 30 | |
| Freon 113 | 1.080 | 0.15 | 1 | 0 | 108 | 70 | 130 | 1.07 | 0.930 | 30 | |
| Freon 114 | 1.050 | 0.15 | 1 | 0 | 105 | 70 | 130 | 0.95 | 10.0 | 30 | |
| Freon 12 | 1.030 | 0.15 | 1 | 0 | 103 | 70 | 130 | 0.97 | 6.00 | 30 | |
| Heptane | 0.9400 | 0.15 | 1 | 0 | 94.0 | 70 | 130 | 0.95 | 1.06 | 30 | |
| Hexachloro-1,3-butadiene | 1.030 | 0.15 | 1 | 0 | 103 | 70 | 130 | 0.96 | 7.04 | 30 | |
| Hexane | 0.9900 | 0.15 | 1 | 0 | 99.0 | 70 | 130 | 1.03 | 3.96 | 30 | |
| Isopropyl alcohol | 0.9700 | 0.15 | 1 | 0 | 97.0 | 70 | 130 | 0.92 | 5.29 | 30 | |
| m&p-Xylene | 1.950 | 0.30 | 2 | 0 | 98.0 | 70 | 130 | 2.03 | 3.51 | 30 | |
| Methyl Butyl Ketone | 1.670 | 0.30 | 1 | 0 | 167 | 70 | 130 | 1.34 | 21.9 | 30 | S |
| Methyl Ethyl Ketone | 0.9900 | 0.30 | 1 | 0 | 99.0 | 70 | 130 | 1 | 1.01 | 30 | |
| Methyl isobutyl Ketone | 1.230 | 0.30 | 1 | 0 | 123 | 70 | 130 | 1.12 | 9.36 | 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: C1710061

Project: 300 Commerce Dr

TestCode: 0.25CT-TCE-VC

| Sample ID: ALCS1UGD-103017 | | SampType: LCSD | | TestCode: 0.25CT-TCE- | | Units: ppbV | | Prep Date: | | RunNo: 12887 | |
|----------------------------|--------|------------------|-----------|-----------------------|------|---------------------------|-----------|---------------|------|--------------|------|
| Client ID: ZZZZZ | | Batch ID: R12887 | | TestNo: TO-15 | | Analysis Date: 10/31/2017 | | SeqNo: 149965 | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Methyl tert-butyl ether | 1.020 | 0.15 | 1 | 0 | 102 | 70 | 130 | 1.04 | 1.94 | 30 | |
| Methylene chloride | 0.9500 | 0.15 | 1 | 0 | 95.0 | 70 | 130 | 0.99 | 4.12 | 30 | |
| o-Xylene | 1.050 | 0.15 | 1 | 0 | 105 | 70 | 130 | 1 | 4.88 | 30 | |
| Propylene | 0.9700 | 0.15 | 1 | 0 | 97.0 | 70 | 130 | 1.06 | 8.87 | 30 | |
| Styrene | 0.9600 | 0.15 | 1 | 0 | 96.0 | 70 | 130 | 1.06 | 9.90 | 30 | |
| Tetrachloroethylene | 1.040 | 0.15 | 1 | 0 | 104 | 70 | 130 | 0.99 | 4.93 | 30 | |
| Tetrahydrofuran | 0.9500 | 0.15 | 1 | 0 | 95.0 | 70 | 130 | 0.99 | 4.12 | 30 | |
| Toluene | 0.9900 | 0.15 | 1 | 0 | 99.0 | 70 | 130 | 0.99 | 0 | 30 | |
| trans-1,2-Dichloroethene | 0.9600 | 0.15 | 1 | 0 | 96.0 | 70 | 130 | 0.95 | 1.05 | 30 | |
| trans-1,3-Dichloropropene | 0.9300 | 0.15 | 1 | 0 | 93.0 | 70 | 130 | 0.84 | 10.2 | 30 | |
| Trichloroethene | 0.9800 | 0.040 | 1 | 0 | 98.0 | 70 | 130 | 0.93 | 5.24 | 30 | |
| Vinyl acetate | 0.9100 | 0.15 | 1 | 0 | 91.0 | 70 | 130 | 0.95 | 4.30 | 30 | |
| Vinyl Bromide | 0.9900 | 0.15 | 1 | 0 | 99.0 | 70 | 130 | 0.91 | 8.42 | 30 | |
| Vinyl chloride | 0.9900 | 0.040 | 1 | 0 | 99.0 | 70 | 130 | 0.92 | 7.33 | 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

Data File : C:\HPCHEM\1\DATA2\AO103003.D

Vial: 3

Acq On : 30 Oct 2017 1:32 pm

Operator: RJP

Sample : ALCS1UG-103017

Inst : MSD #1

Misc : AN30_1UG

Multiplr: 1.00

MS Integration Params: RTEINT.P

Quant Time: Oct 30 17:28:29 2017

Quant Results File: AN24_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\AN24_1UG.M (RTE Integrator)

Title : TO-15 VOA Standards for 5 point calibration

Last Update : Wed Oct 25 08:32:47 2017

Response via : Initial Calibration

DataAcq Meth : 1UG_RUN

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------|-------|------|----------|------|-------|----------|
| 1) Bromochloromethane | 10.64 | 128 | 24027 | 1.00 | ppb | 0.00 |
| 35) 1,4-difluorobenzene | 12.86 | 114 | 109109 | 1.00 | ppb | 0.00 |
| 50) Chlorobenzene-d5 | 17.59 | 117 | 92655 | 1.00 | ppb | 0.00 |

System Monitoring Compounds

| | | | | | | |
|------------------------|-------|-------|----------|----------|-----|---------|
| 65) Bromofluorobenzene | 19.31 | 95 | 62839 | 1.01 | ppb | 0.00 |
| Spiked Amount | 1.000 | Range | 70 - 130 | Recovery | = | 101.00% |

Target Compounds

| | | | | | | Qvalue |
|------------------------------|-------|-----|--------|------|-----|--------|
| 2) Propylene | 4.66 | 41 | 24766 | 1.06 | ppb | 97 |
| 3) Freon 12 | 4.72 | 85 | 107356 | 0.97 | ppb | 98 |
| 4) Chloromethane | 4.95 | 50 | 23976 | 0.96 | ppb | 82 |
| 5) Freon 114 | 4.95 | 85 | 89296 | 0.95 | ppb | 99 |
| 6) Vinyl Chloride | 5.16 | 62 | 24753 | 0.92 | ppb | 95 |
| 7) Butane | 5.28 | 43 | 33717 | 1.26 | ppb | 90 |
| 8) 1,3-butadiene | 5.29 | 39 | 23534 | 1.22 | ppb | 95 |
| 9) Bromomethane | 5.68 | 94 | 33964 | 0.95 | ppb | 87 |
| 10) Chloroethane | 5.85 | 64 | 11329 | 0.94 | ppb | 96 |
| 11) Ethanol | 5.95 | 45 | 6859 | 0.89 | ppb | # 41 |
| 12) Acrolein | 6.58 | 56 | 7706 | 0.86 | ppb | 98 |
| 13) Vinyl Bromide | 6.23 | 106 | 33555 | 0.91 | ppb | 87 |
| 14) Freon 11 | 6.52 | 101 | 105420 | 0.95 | ppb | 99 |
| 15) Acetone | 6.69 | 58 | 10166 | 0.97 | ppb | # 78 |
| 16) Pentane | 6.82 | 42 | 21125 | 0.96 | ppb | # 74 |
| 17) Isopropyl alcohol | 6.80 | 45 | 29825 | 0.92 | ppb | # 1 |
| 18) 1,1-dichloroethene | 7.34 | 96 | 31444 | 1.05 | ppb | 95 |
| 19) Freon 113 | 7.54 | 101 | 71116 | 1.07 | ppb | 95 |
| 20) t-Butyl alcohol | 7.56 | 59 | 48011 | 1.15 | ppb | 91 |
| 21) Methylene chloride | 7.81 | 84 | 29408 | 0.99 | ppb | 89 |
| 22) Allyl chloride | 7.80 | 41 | 32651 | 0.97 | ppb | 90 |
| 23) Carbon disulfide | 7.99 | 76 | 93544 | 0.97 | ppb | 89 |
| 24) trans-1,2-dichloroethene | 8.78 | 61 | 41610 | 0.95 | ppb | 95 |
| 25) methyl tert-butyl ether | 8.79 | 73 | 75201 | 1.04 | ppb | 99 |
| 26) 1,1-dichloroethane | 9.22 | 63 | 58606 | 1.04 | ppb | 97 |
| 27) Vinyl acetate | 9.19 | 43 | 61675 | 0.95 | ppb | 86 |
| 28) Methyl Ethyl Ketone | 9.70 | 72 | 13268 | 1.00 | ppb | # 68 |
| 29) cis-1,2-dichloroethene | 10.17 | 61 | 39808 | 0.96 | ppb | 96 |
| 30) Hexane | 9.78 | 57 | 44725 | 1.03 | ppb | 86 |
| 31) Ethyl acetate | 10.31 | 43 | 58691 | 0.99 | ppb | 88 |
| 32) Chloroform | 10.79 | 83 | 75429 | 1.01 | ppb | 98 |
| 33) Tetrahydrofuran | 10.95 | 42 | 26663 | 0.99 | ppb | 92 |
| 34) 1,2-dichloroethane | 11.89 | 62 | 43151 | 0.98 | ppb | 100 |
| 36) 1,1,1-trichloroethane | 11.62 | 97 | 74949 | 1.00 | ppb | 89 |
| 37) Cyclohexane | 12.31 | 56 | 43782 | 1.01 | ppb | 95 |
| 38) Carbon tetrachloride | 12.24 | 117 | 82631 | 0.97 | ppb | 93 |
| 39) Benzene | 12.21 | 78 | 97786 | 0.97 | ppb | 98 |
| 40) Methyl methacrylate | 13.70 | 41 | 30958 | 0.93 | ppb | 94 |
| 41) 1,4-dioxane | 13.72 | 88 | 21493 | 1.23 | ppb | # 63 |
| 42) 2,2,4-trimethylpentane | 13.04 | 57 | 138414 | 1.00 | ppb | 96 |
| 43) Heptane | 13.36 | 43 | 46153 | 0.95 | ppb | 92 |
| 44) Trichloroethene | 13.50 | 130 | 43790 | 0.93 | ppb | 95 |
| 45) 1,2-dichloropropane | 13.60 | 63 | 37370 | 0.99 | ppb | 94 |

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

AO103003.D AN24_1UG.M

Mon Nov 20 08:46:49 2017

MSD1

Page 1

Data File : C:\HPCHEM\1\DATA2\AO103003.D

Vial: 3

Acq On : 30 Oct 2017 1:32 pm

Operator: RJP

Sample : ALC91UG-103017

Inst : MSD #1

Misc : AN30_1UG

Multiplr: 1.00

MS Integration Params: RTEINT.P

Quant Time: Oct 30 17:28:29 2017

Quant Results File: AN24_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\AN24_1UG.M (RTE Integrator)

Title : TO-15 VOA Standards for 5 point calibration

Last Update : Wed Oct 25 08:32:47 2017

Response via : Initial Calibration

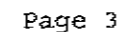
DataAcq Meth : 1UG_RUN

| Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|-------------------------------|-------|------|----------|------|------|--------|
| 46) Bromodichloromethane | 13.93 | 83 | 80875 | 0.98 | ppb | 96 |
| 47) cis-1,3-dichloropropene | 14.72 | 75 | 53822 | 0.92 | ppb | 97 |
| 48) trans-1,3-dichloropropene | 15.47 | 75 | 43584 | 0.84 | ppb | 98 |
| 49) 1,1,2-trichloroethane | 15.80 | 97 | 43676 | 0.96 | ppb | 90 |
| 51) Toluene | 15.56 | 92 | 66149 | 0.99 | ppb | 90 |
| 52) Methyl Isobutyl Ketone | 14.62 | 43 | 48000 | 1.12 | ppb | 94 |
| 53) Dibromochloromethane | 16.53 | 129 | 86553 | 1.00 | ppb | 98 |
| 54) Methyl Butyl Ketone | 15.96 | 43 | 34096m | 1.34 | ppb | |
| 55) 1,2-dibromoethane | 16.79 | 107 | 69352 | 0.99 | ppb | 99 |
| 56) Tetrachloroethylene | 16.62 | 164 | 44686 | 0.99 | ppb | 84 |
| 57) Chlorobenzene | 17.64 | 112 | 90043 | 0.99 | ppb | 87 |
| 58) Ethylbenzene | 17.90 | 91 | 143669 | 0.97 | ppb | 100 |
| 59) m&p-xylene | 18.11 | 91 | 214663 | 2.03 | ppb | 97 |
| 60) Nonane | 18.49 | 43 | 66737 | 0.99 | ppb | 96 |
| 61) Styrene | 18.57 | 104 | 69725 | 1.06 | ppb | 76 |
| 62) Bromoform | 18.70 | 173 | 77077 | 0.99 | ppb | 96 |
| 63) o-xylene | 18.60 | 91 | 115149 | 1.00 | ppb | 96 |
| 64) Cumene | 19.20 | 105 | 150430 | 1.00 | ppb | 96 |
| 66) 1,1,2,2-tetrachloroethane | 19.07 | 83 | 96724 | 0.99 | ppb | 99 |
| 67) Propylbenzene | 19.78 | 120 | 38708 | 1.02 | ppb | # 58 |
| 68) 2-Chlorotoluene | 19.83 | 126 | 39132 | 1.01 | ppb | # 88 |
| 69) 4-ethyltoluene | 19.96 | 105 | 124546 | 1.10 | ppb | 100 |
| 70) 1,3,5-trimethylbenzene | 20.02 | 105 | 110825 | 1.10 | ppb | 99 |
| 71) 1,2,4-trimethylbenzene | 20.52 | 105 | 84373 | 1.13 | ppb | 94 |
| 72) 1,3-dichlorobenzene | 20.85 | 146 | 85471 | 0.99 | ppb | 98 |
| 73) benzyl chloride | 20.92 | 91 | 62447 | 0.92 | ppb | 97 |
| 74) 1,4-dichlorobenzene | 20.99 | 146 | 84963 | 1.01 | ppb | 95 |
| 75) 1,2,3-trimethylbenzene | 21.04 | 105 | 100984 | 1.09 | ppb | 99 |
| 76) 1,2-dichlorobenzene | 21.35 | 146 | 83614 | 1.01 | ppb | 98 |
| 77) 1,2,4-trichlorobenzene | 23.46 | 180 | 35251 | 0.98 | ppb | 97 |
| 78) Naphthalene | 23.68 | 128 | 45419 | 1.14 | ppb | 93 |
| 79) Hexachloro-1,3-butadiene | 23.80 | 225 | 54074 | 0.96 | ppb | 95 |

Vial: 3
Operator: RJP
Inst : MSD #1
Multiplier: 1.00

Quant Results File: AN24_1UG.RES

TIC: A0103003.D



Data File : C:\HPCHEM\1\DATA2\AO103019.D

Vial: 35

Acq On : 31 Oct 2017 3:45 am

Operator: RJP

Sample : ALCS1UGD-103017

Inst : MSD #1

Misc : AN30_1UG

Multiplr: 1.00

MS Integration Params: RTEINT.P

Quant Time: Oct 31 11:13:29 2017

Quant Results File: AN24_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\AN24_1UG.M (RTE Integrator)

Title : TO-15 VOA Standards for 5 point calibration

Last Update : Wed Oct 25 08:32:47 2017

Response via : Initial Calibration

DataAcq Meth : 1UG_RUN

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------|-------|------|----------|------|-------|----------|
| 1) Bromochloromethane | 10.63 | 128 | 19392 | 1.00 | ppb | 0.00 |
| 35) 1,4-difluorobenzene | 12.85 | 114 | 86273 | 1.00 | ppb | 0.00 |
| 50) Chlorobenzene-d5 | 17.58 | 117 | 74810 | 1.00 | ppb | 0.00 |

System Monitoring Compounds

| | | | | | | |
|------------------------|-------|-------|----------|----------|-----|---------|
| 65) Bromofluorobenzene | 19.31 | 95 | 51711 | 1.03 | ppb | 0.00 |
| Spiked Amount | 1.000 | Range | 70 - 130 | Recovery | = | 103.00% |

Target Compounds

| | | | | | | Qvalue |
|------------------------------|-------|-----|--------|------|-----|--------|
| 2) Propylene | 4.64 | 41 | 18391 | 0.97 | ppb | 99 |
| 3) Freon 12 | 4.71 | 85 | 92325 | 1.03 | ppb | 99 |
| 4) Chloromethane | 4.94 | 50 | 21308 | 1.06 | ppb | 83 |
| 5) Freon 114 | 4.94 | 85 | 79639 | 1.05 | ppb | 96 |
| 6) Vinyl Chloride | 5.15 | 62 | 21390 | 0.99 | ppb | 95 |
| 7) Butane | 5.27 | 43 | 22179 | 1.03 | ppb | # 94 |
| 8) 1,3-butadiene | 5.27 | 39 | 15975 | 1.03 | ppb | 93 |
| 9) Bromomethane | 5.66 | 94 | 29033 | 1.00 | ppb | 88 |
| 10) Chloroethane | 5.85 | 64 | 9389 | 0.97 | ppb | # 81 |
| 11) Ethanol | 5.94 | 45 | 6233 | 1.00 | ppb | # 62 |
| 12) Acrolein | 6.57 | 56 | 6529 | 0.91 | ppb | 98 |
| 13) Vinyl Bromide | 6.22 | 106 | 29371 | 0.99 | ppb | 87 |
| 14) Freon 11 | 6.51 | 101 | 94668 | 1.06 | ppb | 99 |
| 15) Acetone | 6.68 | 58 | 8231 | 0.97 | ppb | # 77 |
| 16) Pentane | 6.80 | 42 | 15270 | 0.86 | ppb | # 59 |
| 17) Isopropyl alcohol | 6.79 | 45 | 25352 | 0.97 | ppb | # 1 |
| 18) 1,1-dichloroethene | 7.33 | 96 | 25360 | 1.05 | ppb | 91 |
| 19) Freon 113 | 7.53 | 101 | 58215 | 1.08 | ppb | 95 |
| 20) t-Butyl alcohol | 7.54 | 59 | 38063 | 1.13 | ppb | 95 |
| 21) Methylene chloride | 7.80 | 84 | 22690 | 0.95 | ppb | 92 |
| 22) Allyl chloride | 7.78 | 41 | 24490 | 0.90 | ppb | 90 |
| 23) Carbon disulfide | 7.97 | 76 | 71564 | 0.92 | ppb | 88 |
| 24) trans-1,2-dichloroethene | 8.77 | 61 | 33935 | 0.96 | ppb | 97 |
| 25) methyl tert-butyl ether | 8.78 | 73 | 59931 | 1.02 | ppb | 97 |
| 26) 1,1-dichloroethane | 9.22 | 63 | 44918 | 0.99 | ppb | 100 |
| 27) Vinyl acetate | 9.18 | 43 | 47646 | 0.91 | ppb | 96 |
| 28) Methyl Ethyl Ketone | 9.68 | 72 | 10610 | 0.99 | ppb | # 1 |
| 29) cis-1,2-dichloroethene | 10.17 | 61 | 32154 | 0.96 | ppb | 98 |
| 30) Hexane | 9.77 | 57 | 34737 | 0.99 | ppb | 87 |
| 31) Ethyl acetate | 10.30 | 43 | 44959 | 0.93 | ppb | 84 |
| 32) Chloroform | 10.79 | 83 | 61415 | 1.02 | ppb | 98 |
| 33) Tetrahydrofuran | 10.94 | 42 | 20650 | 0.95 | ppb | 92 |
| 34) 1,2-dichloroethane | 11.88 | 62 | 34916 | 0.98 | ppb | 100 |
| 36) 1,1,1-trichloroethane | 11.61 | 97 | 62700 | 1.06 | ppb | 87 |
| 37) Cyclohexane | 12.30 | 56 | 34293 | 1.00 | ppb | 92 |
| 38) Carbon tetrachloride | 12.24 | 117 | 69048 | 1.02 | ppb | 94 |
| 39) Benzene | 12.20 | 78 | 78876 | 0.99 | ppb | 98 |
| 40) Methyl methacrylate | 13.69 | 41 | 24812 | 0.94 | ppb | 94 |
| 41) 1,4-dioxane | 13.72 | 88 | 17907 | 1.29 | ppb | # 63 |
| 42) 2,2,4-trimethylpentane | 13.03 | 57 | 110296 | 1.01 | ppb | 96 |
| 43) Heptane | 13.36 | 43 | 35867 | 0.94 | ppb | 90 |
| 44) Trichloroethene | 13.49 | 130 | 36204 | 0.98 | ppb | 95 |
| 45) 1,2-dichloropropane | 13.59 | 63 | 29819 | 1.00 | ppb | 95 |

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

AO103019.D AN24_1UG.M

Mon Nov 20 08:47:05 2017

MSD1

Page 1

Data File : C:\HPCHEM\1\DATA2\AO103019.D

Vial: 35

Acq On : 31 Oct 2017 3:45 am

Operator: RJP

Sample : ALCS1UGD-103017

Inst : MSD #1

Misc : AN30_1UG

Multiplr: 1.00

MS Integration Params: RTEINT.P

Quant Time: Oct 31 11:13:29 2017

Quant Results File: AN24_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\AN24_1UG.M (RTE Integrator)

Title : TO-15 VOA Standards for 5 point calibration

Last Update : Wed Oct 25 08:32:47 2017

Response via : Initial Calibration

DataAcq Meth : 1UG_RUN

| Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|-------------------------------|-------|------|----------|------|------|--------|
| 46) Bromodichloromethane | 13.92 | 83 | 67575 | 1.03 | ppb | 96 |
| 47) cis-1,3-dichloropropene | 14.71 | 75 | 45481 | 0.99 | ppb | 97 |
| 48) trans-1,3-dichloropropene | 15.46 | 75 | 38099 | 0.93 | ppb | 99 |
| 49) 1,1,2-trichloroethane | 15.80 | 97 | 37101 | 1.04 | ppb | 93 |
| 51) Toluene | 15.56 | 92 | 53265 | 0.99 | ppb | 90 |
| 52) Methyl Isobutyl Ketone | 14.62 | 43 | 42541 | 1.23 | ppb | 96 |
| 53) Dibromochloromethane | 16.53 | 129 | 73024 | 1.05 | ppb | 100 |
| 54) Methyl Butyl Ketone | 15.96 | 43 | 34225 | 1.67 | ppb | 98 |
| 55) 1,2-dibromoethane | 16.79 | 107 | 57231 | 1.01 | ppb | 99 |
| 56) Tetrachloroethylene | 16.62 | 164 | 37849 | 1.04 | ppb | 88 |
| 57) Chlorobenzene | 17.63 | 112 | 74768 | 1.02 | ppb | 86 |
| 58) Ethylbenzene | 17.90 | 91 | 116075 | 0.97 | ppb | 100 |
| 59) m&p-xylene | 18.08 | 91 | 167011 | 1.96 | ppb | 98 |
| 60) Nonane | 18.49 | 43 | 53661 | 0.99 | ppb | 95 |
| 61) Styrene | 18.57 | 104 | 51039 | 0.96 | ppb | 73 |
| 62) Bromoform | 18.69 | 173 | 64834 | 1.03 | ppb | 95 |
| 63) o-xylene | 18.60 | 91 | 97886 | 1.05 | ppb | 95 |
| 64) Cumene | 19.19 | 105 | 123523 | 1.02 | ppb | 97 |
| 66) 1,1,2,2-tetrachloroethane | 19.06 | 83 | 83201 | 1.06 | ppb | 99 |
| 67) Propylbenzene | 19.77 | 120 | 31253 | 1.02 | ppb | # 59 |
| 68) 2-Chlorotoluene | 19.82 | 126 | 33080 | 1.06 | ppb | 93 |
| 69) 4-ethyltoluene | 19.95 | 105 | 91494 | 1.00 | ppb | 98 |
| 70) 1,3,5-trimethylbenzene | 20.02 | 105 | 85228 | 1.04 | ppb | 98 |
| 71) 1,2,4-trimethylbenzene | 20.51 | 105 | 57745 | 0.95 | ppb | 95 |
| 72) 1,3-dichlorobenzene | 20.84 | 146 | 73492 | 1.06 | ppb | 99 |
| 73) benzyl chloride | 20.91 | 91 | 59909 | 1.09 | ppb | 96 |
| 74) 1,4-dichlorobenzene | 20.99 | 146 | 73092 | 1.08 | ppb | 95 |
| 75) 1,2,3-trimethylbenzene | 21.03 | 105 | 75772 | 1.02 | ppb | 98 |
| 76) 1,2-dichlorobenzene | 21.35 | 146 | 73132 | 1.09 | ppb | 98 |
| 77) 1,2,4-trichlorobenzene | 23.46 | 180 | 28993 | 1.00 | ppb | 96 |
| 78) Naphthalene | 23.68 | 128 | 28274 | 0.88 | ppb | 93 |
| 79) Hexachloro-1,3-butadiene | 23.80 | 225 | 46963 | 1.03 | ppb | 96 |

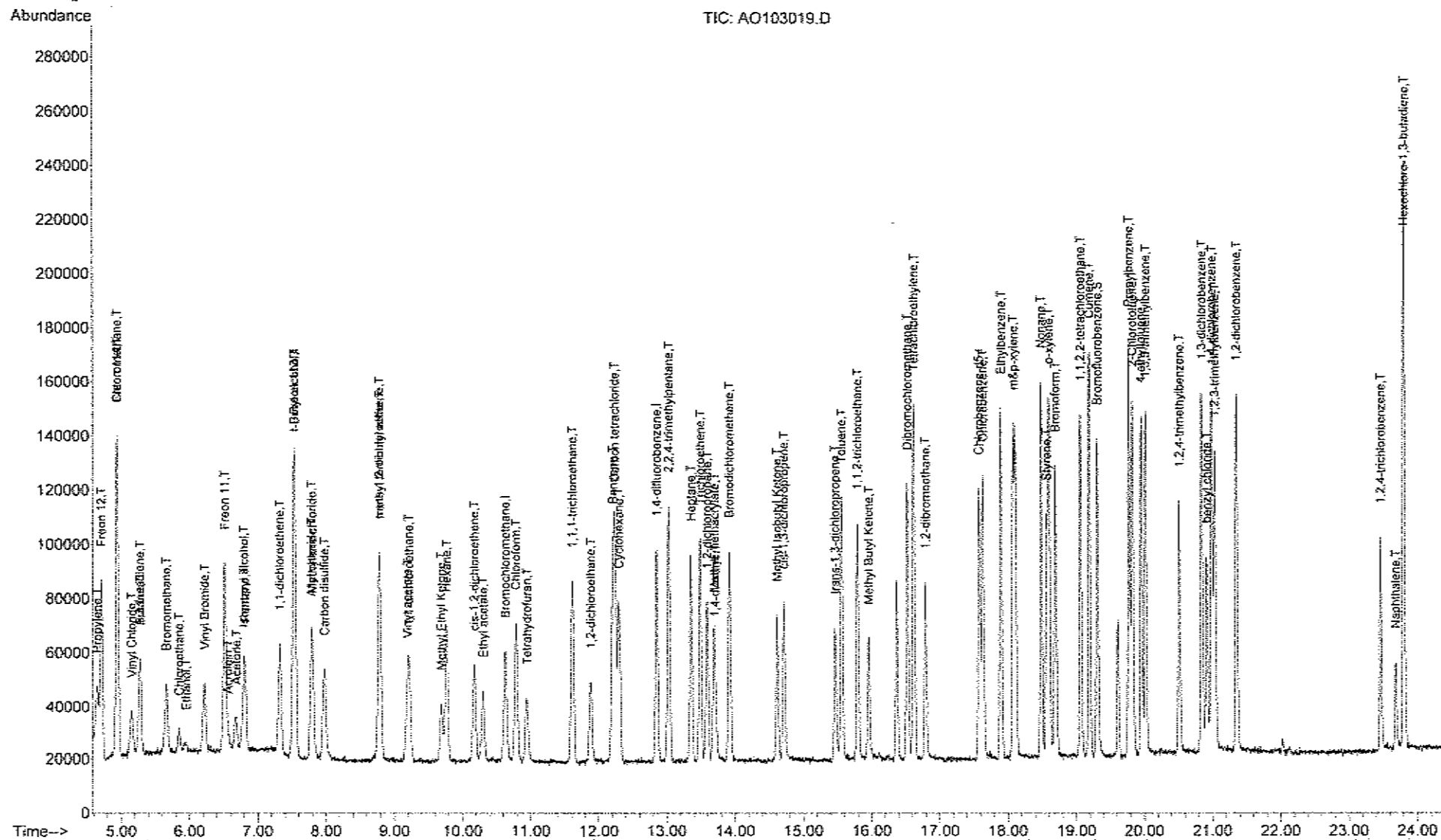
 (#) = qualifier out of range (m) = manual integration (+) = signals summed
 AO103019.D AN24_1UG.M Mon Nov 20 08:47:05 2017 MSD1

Data File : C:\HPCHEM\1\DATA2\AO103019.D
 Acq On : 31 Oct 2017 3:45 am
 Sample : ALCS1UGD-103017
 Misc : AN30_1UG
 MS Integration Params: RTEINT.P
 Quant Time: Oct 31 10:13 2017

Vial: 35
 Operator: RJP
 Inst : MSD #1
 Multiplr: 1.00

Quant Results File: AN24_1UG.RES

Method : C:\HPCHEM\1\METHODS\AN24_1UG.M (RTE Integrator)
 Title : TO-15 VOA Standards for 5 point calibration
 Last Update : Mon Nov 20 08:43:22 2017
 Response via : Initial Calibration



GC/MS VOLATILES-WHOLE AIR

METHOD TO-15

INJECTION LOG

Injection Log

Directory: C:\HPCHEM\1\DATA2

Inj Port # 1
 Original Standard Stock # A2241
 Standard Stock # A2242
 LCS Stock # A2243
 Misc Info Injected
 EPA Method Ref EPA 10-15 / 100-1000

| Line | Vial | FileName | Multiplier | SampleName | Misc Info | Injected |
|------|------|------------|------------|--------------------------|-------------------|-------------------|
| 166 | 7 | Ao102322.d | 1. | C1710045-001A 5x | AN21_1UG | 24 Oct 2017 00:04 |
| 167 | 8 | Ao102323.d | 1. | C1710045-003A 10x | AN21_1UG | 24 Oct 2017 00:43 |
| 168 | 9 | Ao102324.d | 1. | C1710045-005A 10x | AN21_1UG | 24 Oct 2017 01:22 |
| 169 | 10 | Ao102325.d | 1. | C1710045-008A 5x | AN21_1UG | 24 Oct 2017 02:00 |
| 170 | 11 | Ao102326.d | 1. | C1710045-010A 10x | AN21_1UG | 24 Oct 2017 02:37 |
| 171 | 12 | Ao102327.d | 1. | C1710045-012A 5x | AN21_1UG | 24 Oct 2017 03:14 |
| 172 | 13 | Ao102328.d | 1. | C1710045-002A 10x | AN21_1UG | 24 Oct 2017 03:51 |
| 173 | 14 | Ao102329.d | 1. | C1710045 | AN21_1UG-002A 40x | 24 Oct 2017 04:29 |
| 174 | 15 | Ao102330.d | 1. | C1710045-004A 10x | AN21_1UG | 24 Oct 2017 05:07 |
| 175 | 16 | Ao102331.d | 1. | C1710045-004A 40x | AN21_1UG | 24 Oct 2017 05:45 |
| 176 | 17 | Ao102332.d | 1. | C1710045-006A 10x | AN21_1UG | 24 Oct 2017 06:24 |
| 177 | 18 | Ao102333.d | 1. | C1710045-007A 10x | AN21_1UG | 24 Oct 2017 07:03 |
| 178 | 19 | Ao102334.d | 1. | C1710045 | AN21_1UG-009A 10x | 24 Oct 2017 07:42 |
| 179 | 20 | Ao102335.d | 1. | C1710045-011A 10x | AN21_1UG | 24 Oct 2017 08:19 |
| 180 | | Ao102336.d | 1. | No MS or GC data present | | |
| 181 | 2 | Ao102401.d | 1. | BFB1UG | AN24_1UG | 24 Oct 2017 14:58 |
| 182 | 3 | Ao102402.d | 1. | A1UG_2.0 | AN24_1UG | 24 Oct 2017 15:48 |
| 183 | 4 | Ao102403.d | 1. | A1UG_1.50 | AN24_1UG | 24 Oct 2017 16:29 |
| 184 | 5 | Ao102404.d | 1. | A1UG_1.25 | AN24_1UG | 24 Oct 2017 17:10 |
| 185 | 6 | Ao102405.d | 1. | A1UG_1.0 | AN24_1UG | 24 Oct 2017 17:50 |
| 186 | 7 | Ao102406.d | 1. | A1UG_0.75 | AN24_1UG | 24 Oct 2017 18:28 |
| 187 | 8 | Ao102407.d | 1. | A1UG_0.50 | AN24_1UG | 24 Oct 2017 19:06 |
| 188 | 9 | Ao102408.d | 1. | A1UG_0.30 | AN24_1UG | 24 Oct 2017 19:44 |
| 189 | 10 | Ao102409.d | 1. | A1UG_0.15 | AN24_1UG | 24 Oct 2017 20:21 |
| 190 | 11 | Ao102410.d | 1. | A1UG_0.10 | AN24_1UG | 24 Oct 2017 20:59 |
| 191 | 12 | Ao102411.d | 1. | A1UG_0.04 | AN24_1UG | 24 Oct 2017 21:36 |
| 192 | | Ao102412.d | 1. | No MS or GC data present | | |
| 193 | 1 | Ao102501.d | 1. | BFB1UG | AN24_1UG | 25 Oct 2017 07:29 |
| 194 | 2 | Ao102502.d | 1. | A1UG_1.0 | AN24_1UG | 25 Oct 2017 08:08 |
| 195 | 3 | Ao102503.d | 1. | ALCS1UG-102517 | AN24_1UG | 25 Oct 2017 08:53 |
| 196 | 4 | Ao102504.d | 1. | AMB1UG-102517 | AN24_1UG | 25 Oct 2017 10:48 |
| 197 | 5 | Ao102505.d | 1. | C1710047-002A | AN24_1UG | 25 Oct 2017 12:11 |
| 198 | 6 | Ao102506.d | 1. | C1710047-001A | AN24_1UG | 25 Oct 2017 12:52 |
| 199 | 7 | Ao102507.d | 1. | C1710047-002A 10x | AN24_1UG | 25 Oct 2017 13:49 |
| 200 | 8 | Ao102508.d | 1. | C1710047-001A 10x | AN24_1UG | 25 Oct 2017 14:27 |
| 201 | 9 | Ao102509.d | 1. | C1710045-002A 90x | AN24_1UG | 25 Oct 2017 15:04 |
| 202 | 10 | Ao102510.d | 1. | C1710045-004A 180x | AN24_1UG | 25 Oct 2017 15:41 |
| 203 | 11 | Ao102511.d | 1. | C1710045-006A 270x | AN24_1UG | 25 Oct 2017 16:17 |
| 204 | 12 | Ao102512.d | 1. | C1710045-007A 270x | AN24_1UG | 25 Oct 2017 16:54 |
| 205 | 13 | Ao102513.d | 1. | C1710045-009A 20x | AN24_1UG | 25 Oct 2017 17:30 |
| 206 | 14 | Ao102514.d | 1. | C1710045-011A 90x | AN24_1UG | 25 Oct 2017 18:07 |
| 207 | 1 | Ao102515.d | 1. | IDL# | AN24_1UG | 25 Oct 2017 18:44 |
| 208 | 2 | Ao102516.d | 1. | IDL# | AN24_1UG | 25 Oct 2017 19:22 |
| 209 | 3 | Ao102517.d | 1. | IDL# | AN24_1UG | 25 Oct 2017 19:59 |
| 210 | 4 | Ao102518.d | 1. | IDL# | AN24_1UG | 25 Oct 2017 20:37 |
| 211 | 5 | Ao102519.d | 1. | IDL# | AN24_1UG | 25 Oct 2017 21:15 |
| 212 | 6 | Ao102520.d | 1. | IDL# | AN24_1UG | 25 Oct 2017 21:52 |
| 213 | 7 | Ao102521.d | 1. | IDL# | AN24_1UG | 25 Oct 2017 22:30 |
| 214 | 8 | Ao102522.d | 1. | IDL# | AN24_1UG | 25 Oct 2017 23:08 |
| 215 | 9 | Ao102523.d | 1. | IDL# | AN24_1UG | 25 Oct 2017 23:45 |
| 216 | 10 | Ao102524.d | 1. | IDL# | AN24_1UG | 26 Oct 2017 00:23 |
| 217 | 11 | Ao102525.d | 1. | IDL# | AN24_1UG | 26 Oct 2017 09:18 |
| 218 | 1 | Ao103001.d | 1. | BFB1UG | AN30_1UG | 30 Oct 2017 09:05 |
| 219 | 5 | Ao103002.d | 1. | A1UG_1.0 | AN30_1UG | 30 Oct 2017 12:03 |
| 220 | 3 | Ao103003.d | 1. | ALCS1UG-103017 | AN30_1UG | 30 Oct 2017 13:32 |

Injection Log

Directory: C:\HPCHEM\1\DATA2

Instrument # 110
 Internal Standard Stock # A2241 A2253
 Standard Stock # A2242 A2254
 LCS Stock # A2243 A2255
 Misc Info
 Method Ref: EPA TO-15 / JAR 1999

| Line | Vial | FileName | Multiplier | SampleName | | |
|------|------|------------|------------|--------------------------|-------------------|-------------------|
| 166 | 7 | Ao102322.d | 1. | C1710045-001A 5x | AN21_1UG | 24 Oct 2017 00:04 |
| 167 | 8 | Ao102323.d | 1. | C1710045-003A 10x | AN21_1UG | 24 Oct 2017 00:43 |
| 168 | 9 | Ao102324.d | 1. | C1710045-005A 10x | AN21_1UG | 24 Oct 2017 01:22 |
| 169 | 10 | Ao102325.d | 1. | C1710045-008A 5x | AN21_1UG | 24 Oct 2017 02:00 |
| 170 | 11 | Ao102326.d | 1. | C1710045-010A 10x | AN21_1UG | 24 Oct 2017 02:37 |
| 171 | 12 | Ao102327.d | 1. | C1710045-012A 5x | AN21_1UG | 24 Oct 2017 03:14 |
| 172 | 13 | Ao102328.d | 1. | C1710045-002A 10x | AN21_1UG | 24 Oct 2017 03:51 |
| 173 | 14 | Ao102329.d | 1. | C1710045 | AN21_1UG-002A 40x | 24 Oct 2017 04:29 |
| 174 | 15 | Ao102330.d | 1. | C1710045-004A 10x | AN21_1UG | 24 Oct 2017 05:07 |
| 175 | 16 | Ao102331.d | 1. | C1710045-004A 40x | AN21_1UG | 24 Oct 2017 05:45 |
| 176 | 17 | Ao102332.d | 1. | C1710045-006A 10x | AN21_1UG | 24 Oct 2017 06:24 |
| 177 | 18 | Ao102333.d | 1. | C1710045-007A 10x | AN21_1UG | 24 Oct 2017 07:03 |
| 178 | 19 | Ao102334.d | 1. | C1710045 | AN21_1UG-009A 10x | 24 Oct 2017 07:42 |
| 179 | 20 | Ao102335.d | 1. | C1710045-011A 10x | AN21_1UG | 24 Oct 2017 08:19 |
| 180 | | Ao102336.d | 1. | No MS or GC data present | | |
| 181 | 2 | Ao102401.d | 1. | BFB1UG | AN24_1UG | 24 Oct 2017 14:58 |
| 182 | 3 | Ao102402.d | 1. | A1UG_2.0 | AN24_1UG | 24 Oct 2017 15:48 |
| 183 | 4 | Ao102403.d | 1. | A1UG_1.50 | AN24_1UG | 24 Oct 2017 16:29 |
| 184 | 5 | Ao102404.d | 1. | A1UG_1.25 | AN24_1UG | 24 Oct 2017 17:10 |
| 185 | 6 | Ao102405.d | 1. | A1UG_1.0 | AN24_1UG | 24 Oct 2017 17:50 |
| 186 | 7 | Ao102406.d | 1. | A1UG_0.75 | AN24_1UG | 24 Oct 2017 18:28 |
| 187 | 8 | Ao102407.d | 1. | A1UG_0.50 | AN24_1UG | 24 Oct 2017 19:06 |
| 188 | 9 | Ao102408.d | 1. | A1UG_0.30 | AN24_1UG | 24 Oct 2017 19:44 |
| 189 | 10 | Ao102409.d | 1. | A1UG_0.15 | AN24_1UG | 24 Oct 2017 20:21 |
| 190 | 11 | Ao102410.d | 1. | A1UG_0.10 | AN24_1UG | 24 Oct 2017 20:59 |
| 191 | 12 | Ao102411.d | 1. | A1UG_0.04 | AN24_1UG | 24 Oct 2017 21:36 |
| 192 | | Ao102412.d | 1. | No MS or GC data present | | |
| 193 | 1 | Ao102501.d | 1. | BFB1UG | AN24_1UG | 25 Oct 2017 07:29 |
| 194 | 2 | Ao102502.d | 1. | A1UG_1.0 | AN24_1UG | 25 Oct 2017 08:08 |
| 195 | 3 | Ao102503.d | 1. | ALCS1UG-102517 | AN24_1UG | 25 Oct 2017 08:53 |
| 196 | 4 | Ao102504.d | 1. | AMB1UG-102517 | AN24_1UG | 25 Oct 2017 10:48 |
| 197 | 5 | Ao102505.d | 1. | C1710047-002A | AN24_1UG | 25 Oct 2017 12:11 |
| 198 | 6 | Ao102506.d | 1. | C1710047-001A | AN24_1UG | 25 Oct 2017 12:52 |
| 199 | 7 | Ao102507.d | 1. | C1710047-002A 10x | AN24_1UG | 25 Oct 2017 13:49 |
| 200 | 8 | Ao102508.d | 1. | C1710047-001A 10x | AN24_1UG | 25 Oct 2017 14:27 |
| 201 | 9 | Ao102509.d | 1. | C1710045-002A 90x | AN24_1UG | 25 Oct 2017 15:04 |
| 202 | 10 | Ao102510.d | 1. | C1710045-004A 180x | AN24_1UG | 25 Oct 2017 15:41 |
| 203 | 11 | Ao102511.d | 1. | C1710045-006A 270x | AN24_1UG | 25 Oct 2017 16:17 |
| 204 | 12 | Ao102512.d | 1. | C1710045-007A 270x | AN24_1UG | 25 Oct 2017 16:54 |
| 205 | 13 | Ao102513.d | 1. | C1710045-009A 20x | AN24_1UG | 25 Oct 2017 17:30 |
| 206 | 14 | Ao102514.d | 1. | C1710045-011A 90x | AN24_1UG | 25 Oct 2017 18:07 |
| 207 | 1 | Ao102515.d | 1. | IDL# | AN24_1UG | 25 Oct 2017 18:44 |
| 208 | 2 | Ao102516.d | 1. | IDL# | AN24_1UG | 25 Oct 2017 19:22 |
| 209 | 3 | Ao102517.d | 1. | IDL# | AN24_1UG | 25 Oct 2017 19:59 |
| 210 | 4 | Ao102518.d | 1. | IDL# | AN24_1UG | 25 Oct 2017 20:37 |
| 211 | 5 | Ao102519.d | 1. | IDL# | AN24_1UG | 25 Oct 2017 21:15 |
| 212 | 6 | Ao102520.d | 1. | IDL# | AN24_1UG | 25 Oct 2017 21:52 |
| 213 | 7 | Ao102521.d | 1. | IDL# | AN24_1UG | 25 Oct 2017 22:30 |
| 214 | 8 | Ao102522.d | 1. | IDL# | AN24_1UG | 25 Oct 2017 23:08 |
| 215 | 9 | Ao102523.d | 1. | IDL# | AN24_1UG | 25 Oct 2017 23:45 |
| 216 | 10 | Ao102524.d | 1. | IDL# | AN24_1UG | 26 Oct 2017 00:23 |
| 217 | 11 | Ao102525.d | 1. | | AN24_1UG | 26 Oct 2017 09:18 |
| 218 | 1 | Ao103001.d | 1. | BFB1UG | AN30_1UG | 30 Oct 2017 09:05 |
| 219 | 5 | Ao103002.d | 1. | A1UG_1.0 | AN30_1UG | 30 Oct 2017 12:03 |
| 220 | 3 | Ao103003.d | 1. | ALCS1UG-103017 | AN30_1UG | 30 Oct 2017 13:32 |

Injection Log

Directory: C:\HPCHEM\1\DATA2

Instrument # i
 Internal Standard Stock # A2253
 Standard Stock # 2254
 LCS Stock # 2255
 Misc Info Injected
 Method Ref: EPA TO-15 / Jan 1999

| Line | Vial | FileName | Multiplier | SampleName | | |
|------|------|------------|------------|--------------------------|----------|-------------------|
| 21 | 4 | Ao103004.d | 1. | AMB1UG-103017 | AN30_1UG | 30 Oct 2017 14:08 |
| 22 | 21 | Ao103005.d | 1. | C1710061-003A | AN30_1UG | 30 Oct 2017 14:48 |
| 23 | 22 | Ao103006.d | 1. | C1710061-003A MS | AN30_1UG | 30 Oct 2017 15:32 |
| 24 | 23 | Ao103007.d | 1. | C1710061-003A MSD | AN30_1UG | 30 Oct 2017 16:19 |
| 25 | 24 | Ao103008.d | 1. | C1710061-001A | AN30_1UG | 30 Oct 2017 16:59 |
| 26 | 25 | Ao103009.d | 1. | C1710061-002A | AN30_1UG | 30 Oct 2017 17:39 |
| 27 | 26 | Ao103010.d | 1. | C1710061-004A | AN30_1UG | 30 Oct 2017 18:19 |
| 28 | 27 | Ao103011.d | 1. | C1710061-005A | AN30_1UG | 30 Oct 2017 18:59 |
| 29 | 28 | Ao103012.d | 1. | C1710061-003A 5x | AN30_1UG | 30 Oct 2017 23:25 |
| 30 | 29 | Ao103013.d | 1. | C1710061-001A 5x | AN30_1UG | 31 Oct 2017 00:02 |
| 31 | 30 | Ao103014.d | 1. | C1710061-002A 5x | AN30_1UG | 31 Oct 2017 00:39 |
| 32 | 31 | Ao103015.d | 1. | C1710061-004A 10x | AN30_1UG | 31 Oct 2017 01:16 |
| 33 | 32 | Ao103016.d | 1. | C1710061-004A 40x | AN30_1UG | 31 Oct 2017 01:52 |
| 34 | 33 | Ao103017.d | 1. | C1710061-005A 10x | AN30_1UG | 31 Oct 2017 02:29 |
| 35 | 34 | Ao103018.d | 1. | C1710061-005A 40x | AN30_1UG | 31 Oct 2017 03:05 |
| 36 | 35 | Ao103019.d | 1. | ALCS1UGD-103017 | AN30_1UG | 31 Oct 2017 03:45 |
| 37 | 36 | Ao103020.d | 1. | C1710061-004A 90x | AN30_1UG | 31 Oct 2017 08:24 |
| 38 | 37 | Ao103021.d | 1. | C1710061-005A 270x | AN30_1UG | 31 Oct 2017 09:01 |
| 39 | | Ao103022.d | 1. | No MS or GC data present | | |
| 40 | 1 | Ao103101.d | 1. | BFB1UG | AN24_1UG | 31 Oct 2017 09:58 |
| 41 | 2 | Ao103102.d | 1. | A1UG_1.0 | AN24_1UG | 31 Oct 2017 10:41 |
| 42 | 3 | Ao103103.d | 1. | ALCS1UG-103117 | AN24_1UG | 31 Oct 2017 11:30 |
| 43 | 4 | Ao103104.d | 1. | AMB1UG-103117 | AN24_1UG | 31 Oct 2017 12:07 |
| 44 | 1 | Ao103105.d | 1. | WAC103117A | AN24_1UG | 31 Oct 2017 13:08 |
| 45 | 2 | Ao103106.d | 1. | WAC103117B | AN24_1UG | 31 Oct 2017 13:45 |
| 46 | 3 | Ao103107.d | 1. | WAC103117C | AN24_1UG | 31 Oct 2017 14:23 |
| 47 | 4 | Ao103108.d | 1. | WAC103117D | AN24_1UG | 31 Oct 2017 15:01 |
| 48 | 5 | Ao103109.d | 1. | WAC103117E | AN24_1UG | 31 Oct 2017 15:39 |
| 49 | 6 | Ao103110.d | 1. | WAC103117F | AN24_1UG | 31 Oct 2017 16:16 |
| 50 | 7 | Ao103111.d | 1. | WAC103117G | AN24_1UG | 31 Oct 2017 16:54 |
| 51 | 1 | Ao103112.d | 1. | C1710065-001A | AN24_1UG | 31 Oct 2017 17:37 |
| 52 | 2 | Ao103113.d | 1. | C1710065-001A | AN24_1UG | 31 Oct 2017 18:18 |
| 53 | 3 | Ao103114.d | 1. | C1710065-002A | AN24_1UG | 31 Oct 2017 18:59 |
| 54 | 4 | Ao103115.d | 1. | C1710065-003A | AN24_1UG | 31 Oct 2017 19:39 |
| 55 | 5 | Ao103116.d | 1. | C1710065-004A | AN24_1UG | 31 Oct 2017 20:22 |
| 56 | 6 | Ao103117.d | 1. | C1710065-005A | AN24_1UG | 31 Oct 2017 21:03 |
| 57 | 7 | Ao103118.d | 1. | C1710067-001A | AN24_1UG | 31 Oct 2017 21:46 |
| 58 | 8 | Ao103119.d | 1. | C1710067-003A | AN24_1UG | 31 Oct 2017 22:28 |
| 59 | 9 | Ao103120.d | 1. | C1710067-004A | AN24_1UG | 31 Oct 2017 23:10 |
| 60 | 10 | Ao103121.d | 1. | C1710067-005A | AN24_1UG | 31 Oct 2017 23:51 |
| 61 | 11 | Ao103122.d | 1. | C1710067-006A | AN24_1UG | 1 Nov 2017 00:32 |
| 62 | 12 | Ao103123.d | 1. | C1710067-007A | AN24_1UG | 1 Nov 2017 01:13 |
| 63 | 29 | Ao103124.d | 1. | C1710067-008A | AN24_1UG | 1 Nov 2017 01:56 |
| 64 | 30 | Ao103125.d | 1. | ALCS1UGD-103117 | AN24_1UG | 1 Nov 2017 02:36 |
| 65 | 31 | Ao103126.d | 1. | C1710066-001A 2x | AN24_1UG | 1 Nov 2017 03:14 |
| 66 | 32 | Ao103127.d | 1. | C1710065-001A 10x | AN24_1UG | 1 Nov 2017 03:51 |
| 67 | 33 | Ao103128.d | 1. | C1710065-001A 20x | AN24_1UG | 1 Nov 2017 04:28 |
| 68 | 34 | Ao103129.d | 1. | C1710065-002A 10x | AN24_1UG | 1 Nov 2017 05:05 |
| 69 | 35 | Ao103130.d | 1. | C1710065-003A 10x | AN24_1UG | 1 Nov 2017 05:42 |
| 70 | 36 | Ao103131.d | 1. | C1710065-004A 5x | AN24_1UG | 1 Nov 2017 06:23 |
| 71 | 37 | Ao103132.d | 1. | C1710065-005A 10x | AN24_1UG | 1 Nov 2017 07:00 |
| 72 | 38 | Ao103133.d | 1. | C1710067-001A 10x | AN24_1UG | 1 Nov 2017 07:37 |
| 73 | 39 | Ao103134.d | 1. | C1710067-003A 10x | AN24_1UG | 1 Nov 2017 08:14 |
| 74 | | Ao103135.d | 1. | No MS or GC data present | | |

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) | Final Vol (psia) | Final Conc (ppb) | Prep by | Chk |
|--------|-----------|----------|------------------------|---------------------------|------------|--------------------|------------------|-------------------|---------|-----|
| A-1788 | 12/22/16 | 12/29/16 | TO15 STLX | A1088 A1089 | 500 ppb | 3.0 | 30 | 50 | LL | |
| A-1789 | | | SULF | A0270 | 1 ppm | 1.5 | 30 | 50 | | |
| A-1790 | | | H ₂ S | A0269 | 10 ppm | 1.5 | 30 | 500 | | |
| A-1791 | | | TO15 IUG IS | A1782 | 50 ppb | 0.9 | 45 | 1 | | |
| A-1792 | | | STD | A1783 | | | | | | |
| A-1793 | | | LCS | A1784 | | | | | | |
| A-1794 | 12/29/16 | 11/5/17 | TO15 IS | A1289 | 1 ppm | 1.5 | 30 | 50 | WD | |
| A-1795 | | | STD | A1203 | | | | | | |
| A-1796 | | | LCS | A1204 | | | | | | |
| A-1797 | | | 4PCH | 9519 | | | | | | |
| A-1798 | | | 4PCHS | A1797 | 50 ppb | 3.0 | 30 | 5 | | |
| A-1799 | | | FORM | A0974 | 11.5 ppm | 0.20 | 45 | 50 | | |
| A-1800 | | | SILOX | A1088 A1089 | 500 ppb | 3.0 | 30 | 50 | | |
| A-1801 | | | SULF | A0270 | 1 ppm | 1.5 | 30 | 50 | | |
| A-1802 | | | H ₂ S | A0269 | 10 ppm | 1.5 | 30 | 500 | | |
| A-1803 | | | TO15 IUG IS | A1794 | 50 ppb | 0.9 | 45 | 1 | | |
| A-1804 | | | STD | A1795 | | | | | | |
| A-1805 | | | LCS | A1796 | | | | | | |
| A-1806 | 11/5/17 | 11/5/18 | TO15 IS | FF-47206 | LINDE | 2000 psig | | 1 ppm | WD | |
| A-1807 | 11/5/17 | 11/5/18 | STOCK TO15 STD | FF-45347 | LINDE | 2200 psig | | 1 ppm | WD | |
| A-1808 | 11/6/17 | 11/6/18 | TO15 IS LCS | A1806 A1203 | 1 ppm | 1.5 | 30 | 50 ppb | M | |

FORM 153

12/19/17

12/30/17

A1203 A1203 STD IS NOW LCS

Page #

7

| Std # | Date Prep | Date Exp | Description | Stock # | Stock Conc | Initial Vol (psig) | Final Vol (psia) | Final Conc (ppb) | Prep by | Chkd by |
|--------|-----------|----------|----------------------------------|---------|------------|--------------------|------------------|------------------|---------|---------|
| A-2227 | 10/2/17 | 10/11/17 | TO15 SULF | A0270 | 1 ppm | 1.5 | 30 | 50 | M | |
| A-2228 | ↓ | ↓ | ↓ H2S | A0269 | 10 ppm | ↓ | ↓ | 500 | ↓ | |
| A-2229 | ↓ | ↓ | TO15106 IS | A2220 | 50 ppb | 0.9 | 45 | 1 | ↓ | |
| A-2230 | ↓ | ↓ | ↓ STD | A2221 | ↓ | ↓ | ↓ | ↓ | ↓ | |
| A-2231 | ↓ | ↓ | ↓ LCS | A2222 | ↓ | ↓ | ↓ | ↓ | ↓ | |
| A-2232 | 10/11/17 | 10/26/17 | TO15 IS | A2182 | 1 ppm | 1.5 | 30 | 50 | M | |
| A-2233 | ↓ | ↓ | ↓ STD | A2183 | ↓ | ↓ | ↓ | ↓ | ↓ | |
| A-2234 | ↓ | ↓ | ↓ LCS | A2184 | ↓ | ↓ | ↓ | ↓ | ↓ | |
| A-2235 | ↓ | ↓ | TO15106 4PCA | 9519 | ↓ | ↓ | ↓ | ↓ | ↓ | |
| A-2236 | ↓ | ↓ | ↓ 4PCA5 | A2235 | 50 | 3 | ↓ | 5 | ↓ | |
| A-2237 | ↓ | ↓ | ↓ FORM | A0974 | 11.5 ppm | 0.20 | 45 | 50 | ↓ | |
| A-2238 | ↓ | ↓ | ↓ SILOX ^{A1078} / A1078 | 500 ppb | 3 | 30 | ↓ | ↓ | ↓ | |
| A-2239 | ↓ | ↓ | ↓ SULF | A0270 | 1 ppm | 1.5 | ↓ | ↓ | ↓ | |
| A-2240 | ↓ | ↓ | ↓ H2S | A0269 | 10 ppm | ↓ | ↓ | 500 | ↓ | |
| A-2241 | ↓ | ↓ | TO15106 IS | A2232 | 50 | 0.9 | 45 | 1 | ↓ | |
| A-2242 | ↓ | ↓ | ↓ STD | A2233 | ↓ | ↓ | ↓ | ↓ | ↓ | |
| A-2243 | ↓ | ↓ | ↓ LCS | A2234 | ↓ | ↓ | ↓ | ↓ | ↓ | |
| A-2244 | 10/23/17 | 11/3/17 | TO15 IS | A2182 | 1 ppm | 1.5 | 30 | 50 | M | |
| A-2245 | ↓ | ↓ | ↓ STD | A2183 | ↓ | ↓ | ↓ | ↓ | ↓ | |
| A-2246 | ↓ | ↓ | ↓ LCS | A2184 | ↓ | ↓ | ↓ | ↓ | ↓ | |
| A-2247 | ↓ | ↓ | ↓ 4PCA | 9519 | ↓ | ↓ | ↓ | ↓ | ↓ | |

Centek Laboratories, LLC

GC/MS Calibration Standards Logbook

| Std # | Date Prep | Date Exp | Description | Stock # | Stock Conc | Initial Vol (psig) | Final Vol (psia) | Final Conc (ppb) | Prep by | Chk |
|--------|-----------|----------|------------------|-----------|------------|--------------------|------------------|------------------|---------|-----|
| A-2248 | 10/23/17 | 11/3/17 | TO15 4PC45 | A2248 | 50 ppb | 3 | 30 | 5 | MP | |
| A-2249 | | | FORM | A0974 | 11.5 ppm | 0.20 | 45 | 50 | | |
| A-2250 | | | SILOX | A088/A809 | 500 ppb | 3 | 30 | | | |
| A-2251 | | | GULF | A0270 | 1 ppm | 1.5 | | | | |
| A-2252 | | | H ₂ S | A0265 | 10 ppm | | | 500 | | |
| A-2253 | | | TO15 1/8 IS | A2241 | 50 ppb | 0.9 | 75 | 1 | | |
| A-2254 | | | STD | A2242 | | | | | | |
| A-2255 | | | LCS | A2243 | | | | | | |
| A-2256 | | | | | | | | | | |
| A- | | | | | | | | | | |
| A- | | | | | | | | | | |
| A- | | | | | | | | | | |
| A- | | | | | | | | | | |
| A- | | | | | | | | | | |
| A- | | | | | | | | | | |
| A- | | | | | | | | | | |
| A- | | | | | | | | | | |
| A- | | | | | | | | | | |
| A- | | | | | | | | | | |
| A- | | | | | | | | | | |
| A- | | | | | | | | | | |
| A- | | | | | | | | | | |

GC/MS VOLATILES-WHOLE AIR

METHOD TO-15

CANISTER CLEANING LOG

QC Canister Cleaning Logbook

| Canister Number | Canister Size | QC Can Number | # of Cycles | Int & Date Cleaned | QC Batch Number | Detection Limits | Leak Test 24hr Int & Date |
|-----------------|---------------|---------------|-------------|--------------------|-----------------|---------------------------------|---------------------------|
| 243 | 1L | 545 | 30 | RJT 09/22/17 | WAC092217A | 1 ug/m ³ + 0.25 + 30 | + 30 RJT 09/22/17 |
| 231 | ↓ | ↓ | ↓ | ↓ | ↓ | + 30 | + |
| 248 | ↓ | ↓ | ↓ | ↓ | ↓ | + 30 | + |
| 1450 | ↓ | ↓ | ↓ | ↓ | ↓ | + 30 | + |
| 545 | ↓ | ↓ | ↓ | ↓ | ↓ | + 30 | + |
| 86 | ↓ | 354 | ↓ | ↓ | ↓ | + 30 | + |
| 241 | ↓ | ↓ | ↓ | ↓ | WAC092217B | + 30 | + |
| 98 | ↓ | ↓ | ↓ | ↓ | ↓ | + 30 | + |
| 188 | ↓ | ↓ | ↓ | ↓ | ↓ | + 30 | + |
| 354 | ↓ | ↓ | ↓ | ↓ | ↓ | + 30 | + |
| 457 | ↓ | 96 | ↓ | ↓ | ↓ | + 30 | + |
| 362 | ↓ | ↓ | ↓ | ↓ | WAC092217C | + 30 | + |
| 322 | ↓ | ↓ | ↓ | ↓ | ↓ | + 30 | + |
| 1175 | ↓ | ↓ | ↓ | ↓ | ↓ | + 30 | + |
| 96 | ↓ | ↓ | ↓ | ↓ | ↓ | + 30 | + |
| 189 | ↓ | 328 | ↓ | ↓ | ↓ | + 30 | + |
| 550 | ↓ | ↓ | ↓ | ↓ | WAC092217D | + 30 | + |
| 88 | ↓ | ↓ | ↓ | ↓ | ↓ | + 30 | + |
| 233 | ↓ | ↓ | ↓ | ↓ | ↓ | + 30 | + |
| 328 | ↓ | ↓ | ↓ | ↓ | ↓ | + 30 | + |
| 336 | ↓ | 1185 | ↓ | ↓ | ↓ | + 30 | + |
| 87 | ↓ | ↓ | ↓ | ↓ | WAC092217E | + 30 | + |
| 544 | ↓ | ↓ | ↓ | ↓ | ↓ | + 30 | + |
| 399 | ↓ | ↓ | ↓ | ↓ | ↓ | + 30 | + |
| 1185 | ↓ | ↓ | ↓ | ↓ | ↓ | + 30 | + |

Instrument: Entech 3100

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| Canister Number | Canister Size | QC Can Number | # of Cycles | Int & Date Cleaned | QC Batch Number | Detection Limits | Leak Test 24hr Int & Date | |
|-----------------|---------------|---------------|-------------|--------------------|-----------------|------------------|---------------------------|--------------|
| 360 | 1L | 87 | 20 | 4/11/17 | WPC041217 A | 1/2 +0.25 | + 30 | + 30 4/14/17 |
| 475 | | | | | | | + 30 | + |
| 101 | | | | | | | + 30 | + |
| 1193 | | | | | | | + 30 | + |
| 87 | | | | | | | + 30 | + |
| 559 | | 370 | | | A | | + 30 | + |
| 94 | | | | | | | + 30 | + |
| 203 | | | | | | | + 30 | + |
| 550 | | | | | | | + 30 | + |
| 376 | | | | | | | + 30 | + |
| 221 | | 1186 | | | C | | + 30 | + |
| 362 | | | | | | | + 30 | + |
| 285 | | | | | | | + 30 | + |
| 1174 | | | | | | | + 30 | + |
| 1186 | | | | | | | + 30 | + |
| 240 | | 231 | | | D | | + 30 | + |
| 367 | | | | | | | + 30 | + |
| 1188 | | | | | | | + 30 | + |
| 467 | | | | | | | + 30 | + |
| 231 | | | | | | | + 30 | + |
| 212 | 1.4 | 482 | | | F | | + 30 | + |
| 211 | | | | | | | + 30 | + |
| 215 | | | | | | | + 30 | + |
| 209 | | | | | | | + 30 | + |
| 482 | | | | | | | + 30 | + |

Centek Laboratories, LLC

[illegible]

Data File : C:\HPCHEM\1\DATA2\2017APR\AO041213.D

Vial: 6

Acq On : 12 Apr 2017 7:17 pm

Operator: RJP

Sample : WAC041217F

Inst : MSD #1

Misc : A331_1UG

Multiplr: 1.00

MS Integration Params: RTEINT.P

Quant Time: Apr 14 08:40:02 2017

Quant Results File: A331_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A331_1UG.M (RTE Integrator)

Title : TO-15 VOA Standards for 5 point calibration

Last Update : Mon Apr 03 10:15:59 2017

Response via : Initial Calibration

DataAcq Meth : 1UG_RUN

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------|-------|------|----------|------|-------|----------|
| 1) Bromochloromethane | 9.57 | 128 | 19865 | 1.00 | ppb | 0.03 |
| 35) 1,4-difluorobenzene | 11.96 | 114 | 86776 | 1.00 | ppb | 0.02 |
| 50) Chlorobenzene-d5 | 16.83 | 117 | 79279 | 1.00 | ppb | 0.01 |

System Monitoring Compounds

| | | | | | | |
|------------------------|-------|-------|----------|----------|-----|--------|
| 65) Bromofluorobenzene | 18.47 | 95 | 49264 | 0.91 | ppb | 0.02 |
| Spiked Amount | 1.000 | Range | 70 - 130 | Recovery | = | 91.00% |

Target Compounds

Qvalue

Data File : C:\HPCHEM\1\DATA2\2017APR\AO041213.D

Vial: 6

Acq On : 12 Apr 2017 7:17 pm

Operator: RJP

Sample : WAC041217F

Inst : MSD #1

Misc : A331_1UG

Multiplier: 1.00

MS Integration Params: RTEINT.P

Quant Time: Apr 14 7:45 2017

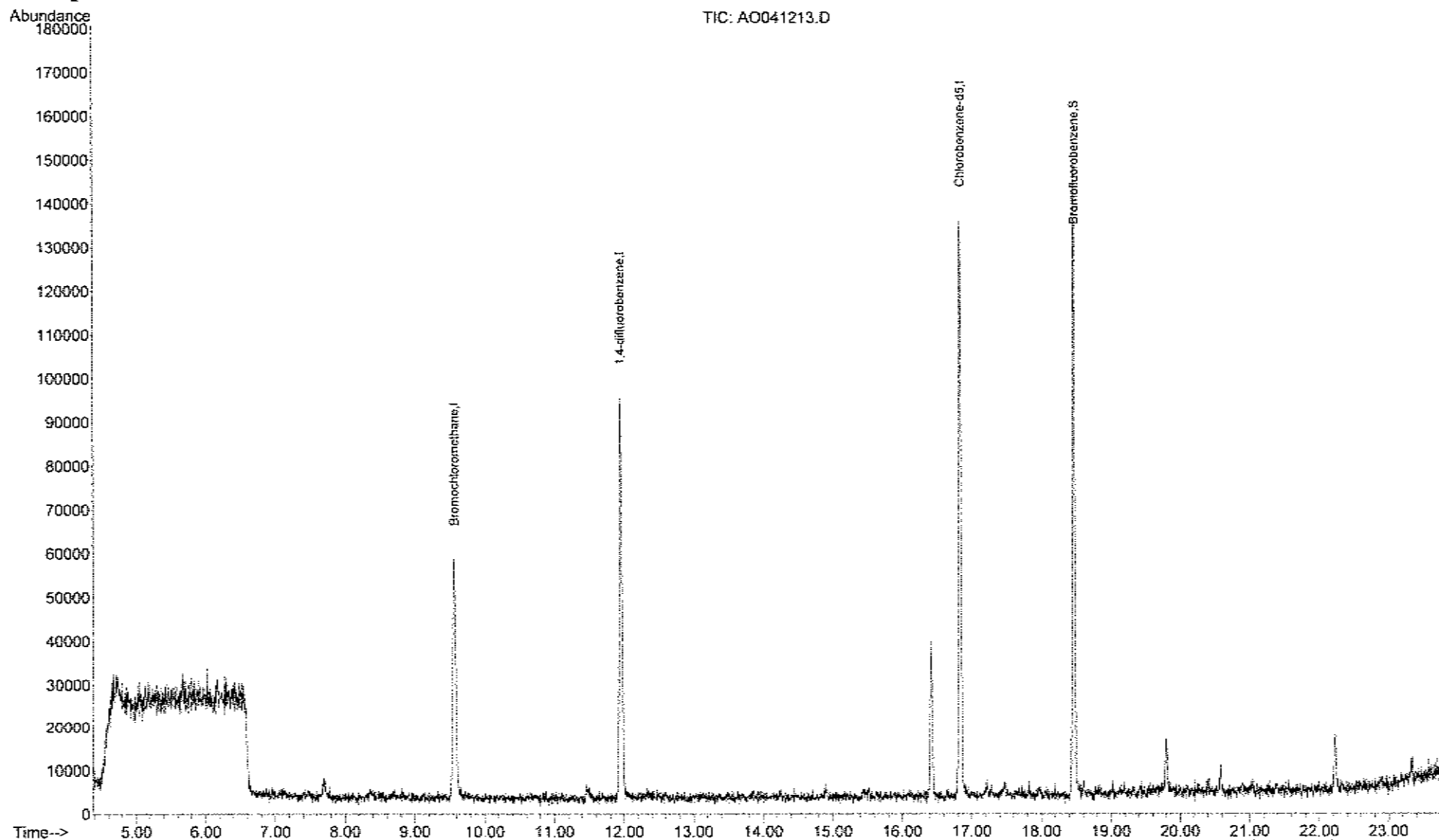
Quant Results File: A331_1UG.RES

Method : C:\HPCHEM\1\METHODS\AN24_1UG.M (RTE Integrator)

Title : TO-15 VOA Standards for 5 point calibration

Last Update : Mon Nov 20 08:43:22 2017

Response via : Initial Calibration



Data File : C:\HPCHEM\1\DATA2\2017APR\AO041214.D

Vial: 7

Acq On : 12 Apr 2017 7:54 pm

Operator: RJP

Sample : WAC041217G

Inst : MSD #1

Misc : A331_1UG

Multiplr: 1.00

MS Integration Params: RTEINT.P

Quant Time: Apr 14 08:40:03 2017

Quant Results File: A331_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A331_1UG.M (RTE Integrator)

Title : TO-15 VOA Standards for 5 point calibration

Last Update : Mon Apr 03 10:15:59 2017

Response via : Initial Calibration

DataAcq Meth : 1UG_RUN

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------|-------|------|----------|------|-------|----------|
| 1) Bromochloromethane | 9.57 | 128 | 20438 | 1.00 | ppb | 0.03 |
| 35) 1,4-difluorobenzene | 11.95 | 114 | 89904 | 1.00 | ppb | 0.02 |
| 50) Chlorobenzene-d5 | 16.83 | 117 | 80459 | 1.00 | ppb | 0.02 |

System Monitoring Compounds

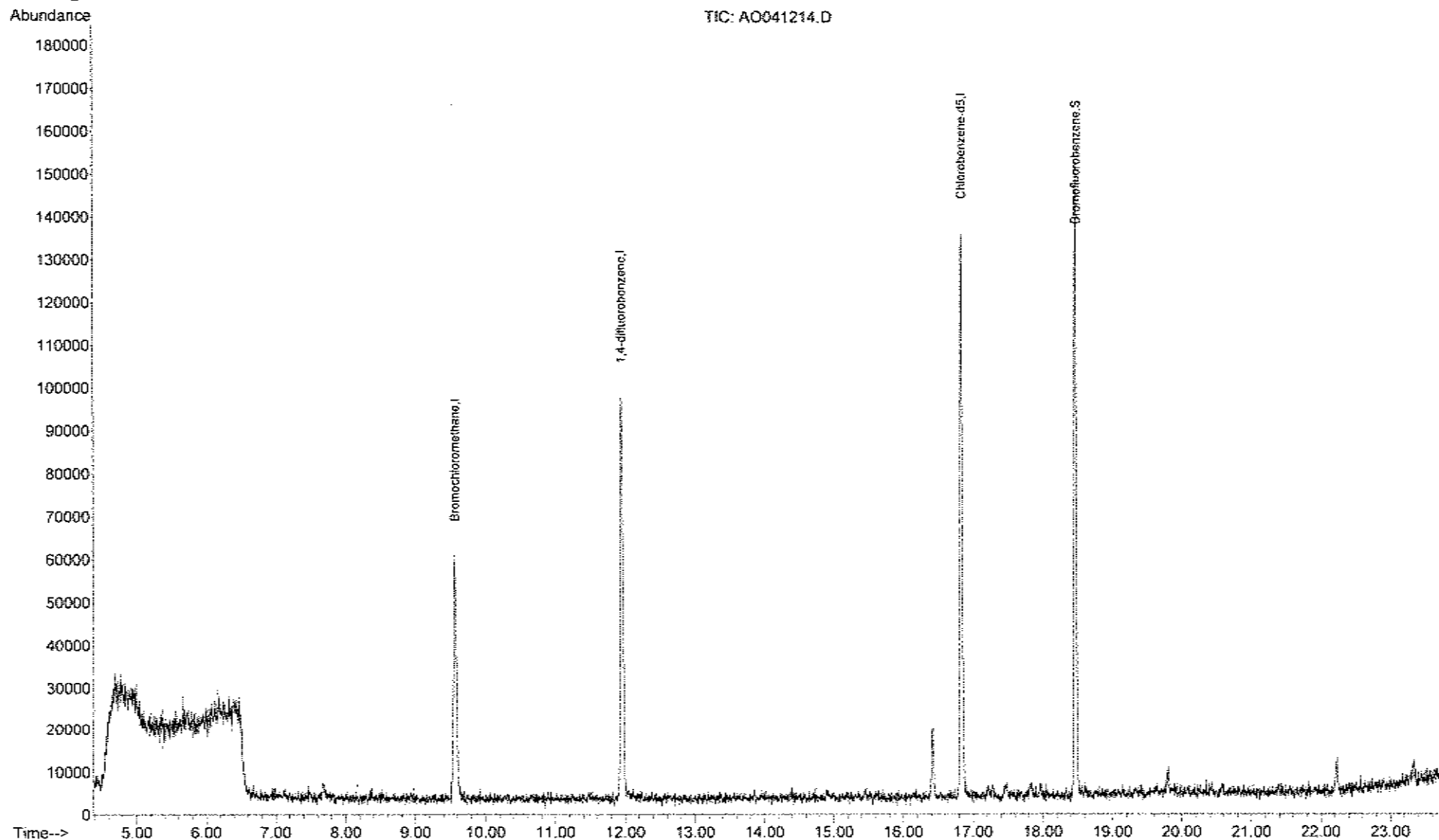
| | | | | | | |
|------------------------|-------|-------|----------|----------|-----|--------|
| 65) Bromofluorobenzene | 18.47 | 95 | 49839 | 0.91 | ppb | 0.02 |
| Spiked Amount | 1.000 | Range | 70 - 130 | Recovery | = | 91.00% |

Target Compounds

Qvalue

Data File : C:\HPCHEM\1\DATA2\2017APR\AO041214.D Vial: 7
 Acq On : 12 Apr 2017 7:54 pm Operator: RJP
 Sample : WAC041217G Inst : MSD #1
 Misc : A331_1UG Multiplr: 1.00
 MS Integration Params: RTEINT.P
 Quant Time: Apr 14 7:45 2017 Quant Results File: A331_1UG.RES

Method : C:\HPCHEM\1\METHODS\AN24_1UG.M (RTE Integrator)
 Title : TO-15 VOA Standards for 5 point calibration
 Last Update : Mon Nov 20 08:43:22 2017
 Response via : Initial Calibration



Data File : C:\HPCHEM\1\DATA2\2017SEPT\AO092208.D Vial: 1
Acq On : 22 Sep 2017 4:26 pm Operator: RJP
Sample : WAC092217A Inst : MSD #1
Misc : A713_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 24 11:21:27 2017 Quant Results File: A713_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A713_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed Sep 13 10:05:30 2017
Response via : Initial Calibration
DataAcq Meth : 1UG_RUN

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------|-------|------|----------|------|-------|----------|
| 1) Bromochloromethane | 9.57 | 128 | 23563 | 1.00 | ppb | 0.00 |
| 35) 1,4-difluorobenzene | 11.96 | 114 | 79733 | 1.00 | ppb | 0.00 |
| 50) Chlorobenzene-d5 | 16.85 | 117 | 78785 | 1.00 | ppb | 0.01 |

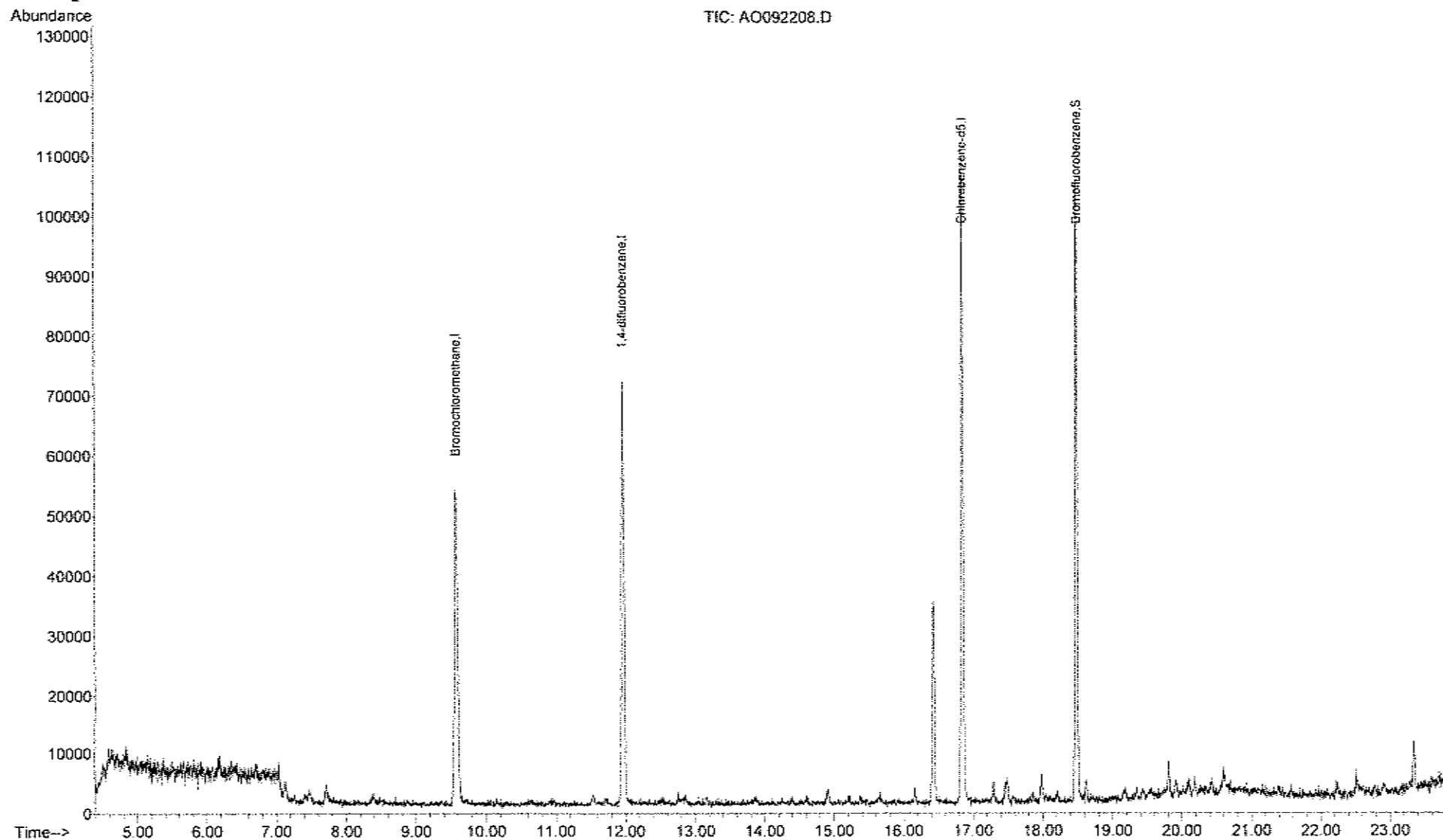
System Monitoring Compounds

| | | | | | | |
|------------------------|-------|-------|----------|----------|-----|--------|
| 65) Bromofluorobenzene | 18.48 | 95 | 39690 | 0.77 | ppb | 0.00 |
| Spiked Amount | 1.000 | Range | 70 - 130 | Recovery | = | 77.00% |

Target Compounds Qvalue

Data File : C:\HPCHEM\1\DATA2\2017SEPT\AO092208.D Vial: 1
Acq On : 22 Sep 2017 4:26 pm Operator: RJP
Sample : WAC092217A Inst : MSD #1
Misc : A713_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 25 7:37 2017 Quant Results File: A713_1UG.RES

Method : C:\HPCHEM\1\METHODS\AN24_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Mon Nov 20 08:43:22 2017
Response via : Initial Calibration



Data File : C:\HPCHEM\1\DATA2\2017SEPT\AO092209.D

Vial: 2

Acq On : 22 Sep 2017 5:04 pm

Operator: RJP

Sample : WAC092217B

Inst : MSD #1

Misc : A713_1UG

Multiplr: 1.00

MS Integration Params: RTEINT.P

Quant Time: Sep 24 11:21:28 2017

Quant Results File: A713_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A713_1UG.M (RTE Integrator)

Title : TO-15 VOA Standards for 5 point calibration

Last Update : Wed Sep 13 10:05:30 2017

Response via : Initial Calibration

DataAcq Meth : 1UG_RUN

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------|-------|------|----------|------|-------|----------|
| 1) Bromochloromethane | 9.58 | 128 | 23192 | 1.00 | ppb | 0.00 |
| 35) 1,4-difluorobenzene | 11.97 | 114 | 76171 | 1.00 | ppb | 0.00 |
| 50) Chlorobenzene-d5 | 16.84 | 117 | 74677 | 1.00 | ppb | 0.00 |

System Monitoring Compounds

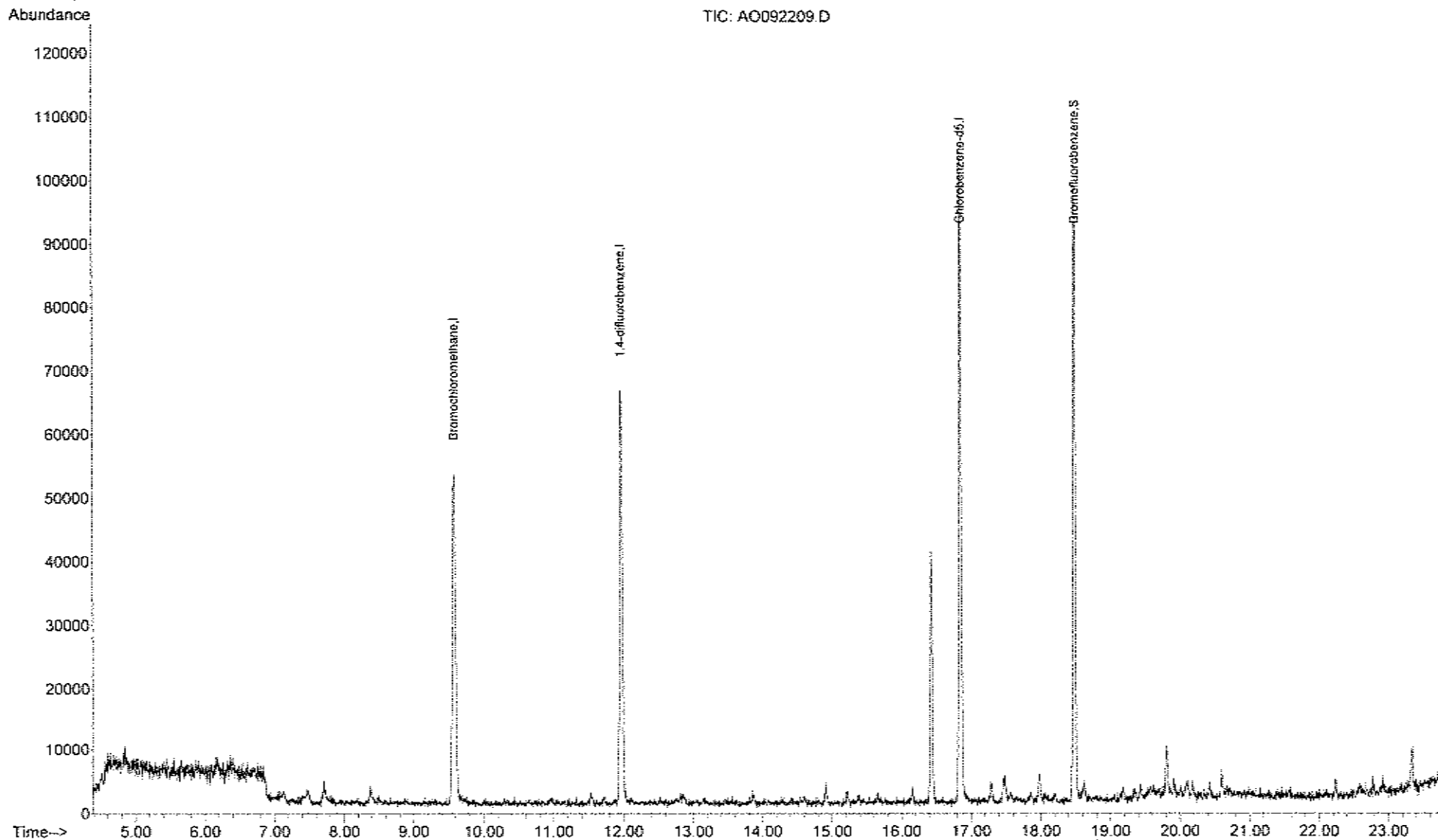
| | | | | | | |
|------------------------|-------|-------|----------|----------|-----|--------|
| 65) Bromofluorobenzene | 18.48 | 95 | 36850 | 0.75 | ppb | 0.00 |
| Spiked Amount | 1.000 | Range | 70 - 130 | Recovery | = | 75.00% |

Target Compounds

Qvalue

Data File : C:\HPCHEM\1\DATA2\2017SEPT\AO092209.D Vial: 2
Acq On : 22 Sep 2017 5:04 pm Operator: RJP
Sample : WAC092217B Inst : MSD #1
Misc : A713_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 24 10:21 2017 Quant Results File: A713_1UG.RES

Method : C:\HPCHEM\1\METHODS\AN24_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Mon Nov 20 08:43:22 2017
Response via : Initial Calibration



Data File : C:\HPCHEM\1\DATA2\2017SEPT\AO092210.D

Vial: 3

Acq On : 22 Sep 2017 5:42 pm

Operator: RJP

Sample : WAC092217C

Inst : MSD #1

Misc : A713_1UG

Multiplr: 1.00

MS Integration Params: RTEINT.P

Quant Time: Sep 24 11:21:29 2017

Quant Results File: A713_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A713_1UG.M (RTE Integrator)

Title : TO-15 VOA Standards for 5 point calibration

Last Update : Wed Sep 13 10:05:30 2017

Response via : Initial Calibration

DataAcq Meth : 1UG_RUN

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------|-------|------|----------|------|-------|----------|
| 1) Bromochloromethane | 9.57 | 128 | 23158 | 1.00 | ppb | 0.00 |
| 35) 1,4-difluorobenzene | 11.96 | 114 | 76394 | 1.00 | ppb | 0.00 |
| 50) Chlorobenzene-d5 | 16.84 | 117 | 74582 | 1.00 | ppb | 0.00 |

System Monitoring Compounds

| | | | | | | |
|------------------------|-------|-------|----------|----------|-----|--------|
| 65) Bromofluorobenzene | 18.48 | 95 | 38234 | 0.78 | ppb | 0.00 |
| Spiked Amount | 1.000 | Range | 70 - 130 | Recovery | = | 78.00% |

Target Compounds

Qvalue

Data File : C:\HPCHEM\1\DATA2\2017SEPT\AO092210.D

Vial: 3

Acq On : 22 Sep 2017 5:42 pm

Operator: RJP

Sample : WAC092217C

Inst : MSD #1

Misc : A713_1UG

Multiplr: 1.00

MS Integration Params: RTEINT.P

Quant Time: Sep 24 10:21 2017

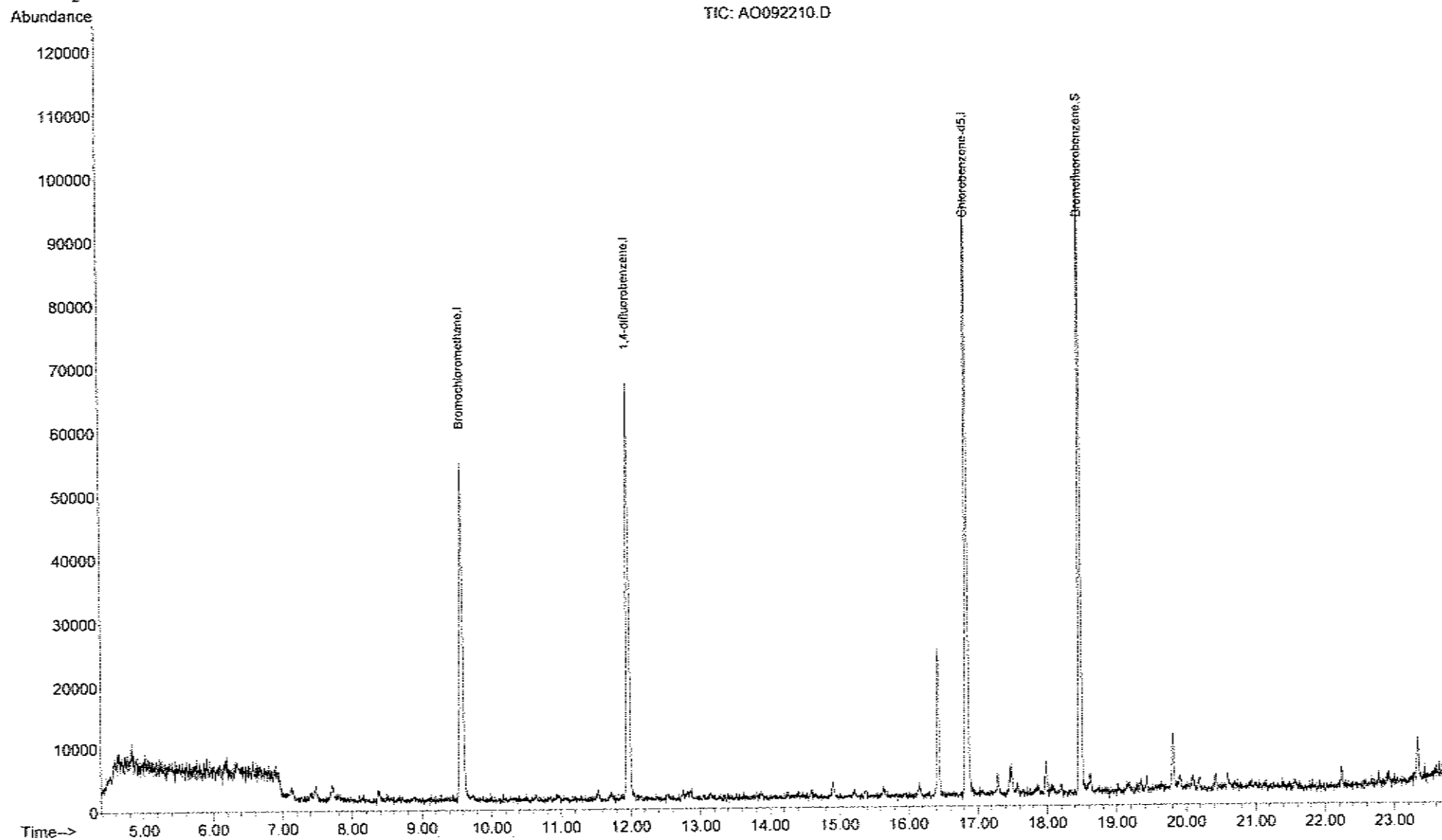
Quant Results File: A713_1UG.RES

Method : C:\HPCHEM\1\METHODS\AN24_1UG.M (RTE Integrator)

Title : TO-15 VOA Standards for 5 point calibration

Last Update : Mon Nov 20 08:43:22 2017

Response via : Initial Calibration



Data File : C:\HPCHEM\1\DATA2\2017SEPT\AO092211.D Vial: 4
Acq On : 22 Sep 2017 6:19 pm Operator: RJP
Sample : WAC092217D Inst : MSD #1
Misc : A713_1UG Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 24 11:21:30 2017 Quant Results File: A713_1UG.RES

Quant Method : C:\HPCHEM\1\METHODS\A713_1UG.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Wed Sep 13 10:05:30 2017
Response via : Initial Calibration
DataAcq Meth : 1UG_RUN

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------|-------|------|----------|------|-------|----------|
| 1) Bromochloromethane | 9.58 | 128 | 22754 | 1.00 | ppb | 0.01 |
| 35) 1,4-difluorobenzene | 11.96 | 114 | 75237 | 1.00 | ppb | 0.00 |
| 50) Chlorobenzene-d5 | 16.85 | 117 | 72618 | 1.00 | ppb | 0.01 |

System Monitoring Compounds

| | | | | | | |
|------------------------|-------|-------|----------|----------|-----|--------|
| 65) Bromofluorobenzene | 18.48 | 95 | 36771 | 0.77 | ppb | 0.00 |
| Spiked Amount | 1.000 | Range | 70 - 130 | Recovery | = | 77.00% |

Target Compounds

Qvalue

Data File : C:\HPCHEM\1\DATA2\2017SEPT\AO092211.D

Vial: 4

Acq On : 22 Sep 2017 6:19 pm

Operator: RJP

Sample : WAC092217D

Inst : MSD #1

Misc : A713_1UG

Multiplr: 1.00

MS Integration Params: RTEINT.P

Quant Time: Sep 24 10:21 2017

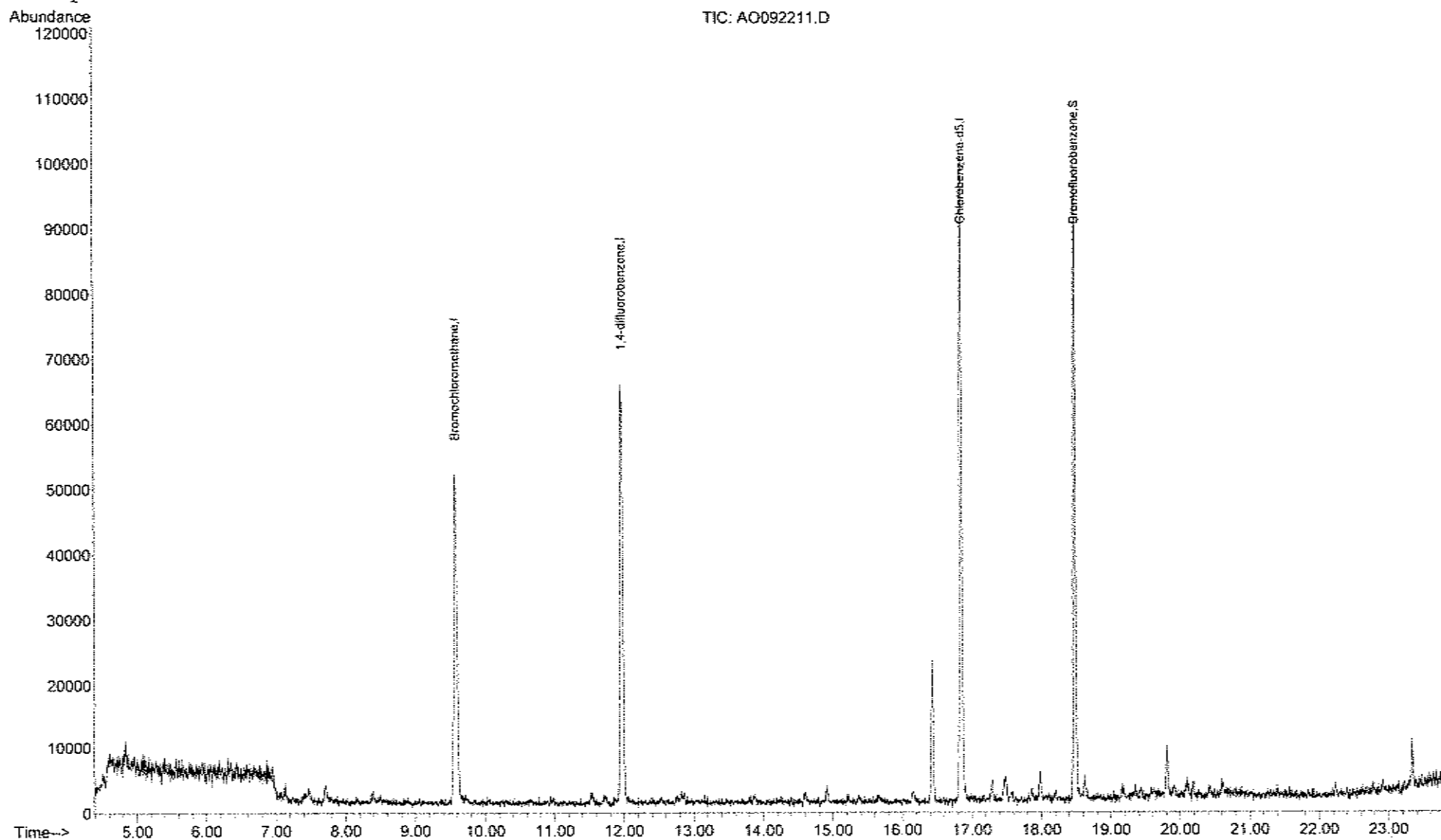
Quant Results File: A713_1UG.RES

Method : C:\HPCHEM\1\METHODS\AN24_1UG.M (RTE Integrator)

Title : TO-15 VOA Standards for 5 point calibration

Last Update : Mon Nov 20 08:43:22 2017

Response via : Initial Calibration





September 4, 2019

Ms. Charlotte Theobald
New York State Department of Environmental Conservation
Division of Environmental Remediation, Region 8
6274 East Avon-Lima Road
Avon, New York 14414-9516

Re: Construction Completion Report Addendum
NYSDEC Site #C828158
300 Commerce Drive
Henrietta, New York

Dear Ms. Theobald:

LaBella Associates, D.P.C. ("LaBella") is submitting this addendum for the above referenced Construction Completion Report. Attached please find the Data Usability Summary Report (DUSR) by DataVal, Inc. (DataVal) for the indoor air sampling completed on January 18, 2018. The DUSR indicated the following:

"Reported data should be considered technically defensible and completely usable in it's present form. Results presenting a usable estimation of the condition at the time of sampling have been flagged "J" or "U". Estimated data should be used with caution."

DataVal only made minor modifications to some of the laboratory data. The DUSR did not change any finding of the Construction Completion Report (CCR) submitted by LaBella on September 3, 2019. As indicated in the CCR, the Sub-slab Depressurization System is effectively mitigating soil vapor intrusion at the Site.

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

Respectfully submitted,

LABELLA ASSOCIATES, D.P.C.

A handwritten signature in black ink, appearing to read 'D. Noll', is positioned above the printed name of the sender.

Dan Noll, P.E.
Project Manager

J:\Yaro Enterprise Inc\208723 BCP 300 Commerce\IRM SSDS CCR\LTR.2019.09.03 - DUSR Follow up letter C828159.docx

DATA USABILITY SUMMARY REPORT

for

LaBella Associates, P.C.

300 State Street

Rochester, NY 14614

300 Commerce Drive

Project 208723

SDG: C1801059

Sampled 01/18/2018

TO-15 AIR SAMPLES

| | |
|------------|---------------|
| 300-IA-01 | (C1801059-01) |
| 300-IA-02 | (C1801059-02) |
| 300-IA-03 | (C1801059-03) |
| 300-IA-04 | (C1801059-04) |
| 300-EXT-01 | (C1801059-05) |
| Dupe | (C1801059-06) |

DATA ASSESSMENT

A TO-15 data package containing analytical results for six 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 300 Commerce Drive 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 methylene chloride and toluene results from 300-IA-01 have been qualified as estimations due to low spiked sample recoveries.

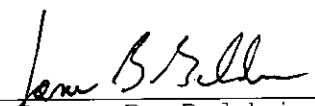
The presence of acetone and heptane in 300-IA-01 and chloromethane in 300-IA-03 could not be verified based on the mass spectra references included in the raw data. These analytes should be interpreted as undetected in the affected samples.

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:


James B. Baldwin
DATAVAL, Inc.

Date: 04 Sep 19

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 five air samples that were collected in 1-liter SUMMA canisters and 300-IA-01 which was collected in a 1.4-liter canister to facilitate the preparation of MS/MSD samples. Sampling was completed on 18Jan18. The canisters were shipped back to the laboratory, via FedEx, on 19Jan18, and were received on 22Jan18. 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 a 8-hour sample, sampling was terminated after 6.5-7.75 hours based on the canister vacuum readings. Each of these readings satisfied the ASP requirement of -5 ± 1 "Hg.

| SAMPLE | PRIOR TO SHIPMENT ("Hg) | PRIOR TO SAMPLING ("Hg) | POST SAMPLING ("Hg) | LAB RECEIPT ("Hg) | LAB ANALYSIS ("Hg) |
|------------|-------------------------|-------------------------|---------------------|-------------------|--------------------|
| 300-IA-01 | 30 | 28 | 4.98 | 5 | 5 |
| 300-IA-02 | 30 | 29 | 4.99 | 5 | 5 |
| 300-IA-03 | 30 | 28 | 4.6 | 5 | 5 |
| 300-IA-04 | 30 | 30 | 3.9 | 4 | 4 |
| 300-EXT-01 | 30 | 30 | 5.7 | 6 | 6 |
| DUPE | 30 | 30 | 3.9 | 4 | 4 |

The analysis of this group of samples was completed on 23Jan18 and 24Jan18, satisfying the ASP holding time limitation.

BLANKS

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

Two method blanks were analyzed with this group of samples. Both of these blanks demonstrated acceptable chromatography and were free of targeted analyte contamination.

CALIBRATION

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

The initial instrument calibration was performed on 16Jan18. Standards of 0.03, 0.04, 0.10, 0.15, 0.30, 0.50, 0.75, 1.0, 1.25, 1.50 and 2.0 ppbV were included. Each targeted analyte produced the required levels of instrument response and demonstrated an acceptable degree of linearity during this calibration.

Continuing calibration check standards were analyzed on 23Jan18 and 24Jan18, prior to the 24-hour periods of instrument operation that included samples from this program. When compared to the initial calibration, each targeted analyte demonstrated an acceptable level of instrument stability during both calibration checks.

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 the initial, undiluted program samples.

Each sample was also analyzed following dilutions ranging between 1:9 and 1:810. The surrogate recoveries from these samples were not evaluated because the surrogates were also highly diluted.

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, acceptable performance was reported for the 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.

300-IA-01 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 (139%,132%), 1,3,5-trimethylbenzene (138%), methylene chloride (206%) and propylene (210%) results, and a low recovery of toluene (65%). Based on this performance the methylene chloride and toluene results from 300-IA-01 have been qualified as estimations. The positive bias indicated by the elevated recoveries of 1,2,4-trichlorobenzene, 1,3,5-trimethylbenzene and propylene warrant no concern because these analytes were not detected in 300-IA-01. The remaining analytes demonstrated acceptable levels of measurement precision and accuracy.

Three spiked blanks (LCS/LCSD, LCS) were also analyzed with this group of samples. The recoveries reported from these LCS samples included high results for carbon disulfide (140%) and hexane (142%), and a low recovery of methyl butyl ketone (53%). These indications of bias, however, warrant no concern because these analytes were not reported from the affected 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.

The duplicate sample that was included in this delivery group was not identified. It is noted that the previously mentioned MS/MSD samples demonstrated acceptable levels of measurement precision.

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 acetone and heptane in 300-IA-01 and chloromethane in 300-IA-03 could not be verified based on the mass spectra references included in the raw data. These analytes should be interpreted as undetected in the affected samples.

SUMMARY OF QUALIFIED DATA

300 COMMERCE DRIVE

SAMPLED JANUARY 2018

| | | SPIKES METHYLENE CHLORIDE | SPIKE TOLUENE | MS ID ACETONE | MS ID HEPTANE | MS ID CHLOROMETHANE |
|------------|---------------|------------------------------|------------------|------------------|------------------|------------------------|
| 300-IA-01 | (C1801059-01) | 3.9J | 5.2J | 37U | 0.61U | |
| 3300-IA-02 | (C1801059-02) | | | | | |
| 300-IA-03 | (C1801059-03) | | | | | 1.2U |
| 300-IA-04 | (C1801059-04) | | | | | |
| 300-EXT-01 | (C1801059-05) | | | | | |
| Dupe | (C1801059-06) | | | | | |

Centek Laboratories, LLC

Date: 12-Feb-18

CLIENT: LaBella Associates, P.C.
 Lab Order: C1801059
 Project: 300 Commerce BCP
 Lab ID: C1801059-001A

Client Sample ID: 300-1A-01/MSMSD
 Tag Number: 484.1170
 Collection Date: 1/18/2018
 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 | 1/23/2018 4:46:00 PM |
| 1,1,2,2-Tetrachloroethane | < 1.0 | 1.0 | | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| 1,1,2-Trichloroethane | < 0.82 | 0.82 | | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| 1,1-Dichloroethane | < 0.61 | 0.61 | | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| 1,1-Dichloroethene | < 0.16 | 0.16 | | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| 1,2,4-Trichlorobenzene | < 1.1 | 1.1 | | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| 1,2,4-Trimethylbenzene | 0.69 | 0.74 | J | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| 1,2-Dibromoethane | < 1.2 | 1.2 | | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| 1,2-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| 1,2-Dichloroethane | < 0.61 | 0.61 | | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| 1,2-Dichloropropane | < 0.69 | 0.69 | | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| 1,3,5-Trimethylbenzene | < 0.74 | 0.74 | | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| 1,3-butadiene | < 0.33 | 0.33 | | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| 1,3-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| 1,4-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| 1,4-Dioxane | < 1.1 | 1.1 | | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| 2,2,4-trimethylpentane | < 0.70 | 0.70 | | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| 4-ethyltoluene | < 0.74 | 0.74 | | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| Acetone | 37 U | 6.4 | | ug/m3 | 9 | 1/23/2018 11:01:00 PM |
| Allyl chloride | < 0.47 | 0.47 | | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| Benzene | 0.89 | 0.48 | | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| Benzyl chloride | < 0.86 | 0.86 | | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| Bromodichloromethane | < 1.0 | 1.0 | | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| Bromoform | < 1.6 | 1.6 | | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| Bromomethane | < 0.58 | 0.58 | | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| Carbon disulfide | < 0.47 | 0.47 | | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| Carbon tetrachloride | 0.44 | 0.19 | | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| Chlorobenzene | < 0.69 | 0.69 | | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| Chloroethane | < 0.40 | 0.40 | | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| Chloroform | < 0.73 | 0.73 | | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| Chloromethane | 0.99 | 0.31 | | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| cis-1,2-Dichloroethene | < 0.16 | 0.16 | | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| cis-1,3-Dichloropropene | < 0.68 | 0.68 | | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| Cyclohexane | 2.8 | 0.52 | | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| Dibromochloromethane | < 1.3 | 1.3 | | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| Ethyl acetate | 1.7 | 0.54 | | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| Ethylbenzene | < 0.65 | 0.65 | | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| Freon 11 | 1.1 | 0.84 | | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| Freon 113 | < 1.1 | 1.1 | | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| Freon 114 | < 1.0 | 1.0 | | ug/m3 | 1 | 1/23/2018 4:46:00 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

Page 1 of 12

Centek Laboratories, LLC

Date: 12-Feb-18

CLIENT: LaBella Associates, P.C.
 Lab Order: C1801059
 Project: 300 Commerce BCP
 Lab ID: C1801059-001A

Client Sample ID: 300-1A-01/MSMSD
 Tag Number: 484.1170
 Collection Date: 1/18/2018
 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 ~ | 2.3 | 0.74 | | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| Heptane ~ | 0.61 U | 0.61 | | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| Hexachloro-1,3-butadiene | < 1.6 | 1.6 | | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| Hexane ~ | 0.78 | 0.53 | | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| Isopropyl alcohol ~ | 220 | 34 | | ug/m3 | 90 | 1/23/2018 11:38:00 PM |
| m&p-Xylene ~ | 0.65 | 1.3 | J | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| Methyl Butyl Ketone | < 1.2 | 1.2 | | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| Methyl Ethyl Ketone ~ | 2.1 | 0.88 | | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| Methyl Isobutyl Ketone | < 1.2 | 1.2 | | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| Methyl tert-butyl ether | < 0.54 | 0.54 | | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| Methylene chloride ~ | 3.9 J | 0.52 | | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| o-Xylene | < 0.65 | 0.65 | | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| Propylene | < 0.26 | 0.26 | | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| Styrene ~ | 0.43 | 0.64 | J | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| Tetrachloroethylene | < 1.0 | 1.0 | | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| Tetrahydrofuran | < 0.44 | 0.44 | | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| Toluene ~ | 5.2 J | 0.57 | | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| trans-1,2-Dichloroethene | < 0.59 | 0.59 | | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| trans-1,3-Dichloropropene | < 0.68 | 0.68 | | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| Trichloroethene | < 0.16 | 0.16 | | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| Vinyl acetate | < 0.53 | 0.53 | | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| Vinyl Bromide | < 0.66 | 0.66 | | ug/m3 | 1 | 1/23/2018 4:46:00 PM |
| Vinyl chloride | < 0.10 | 0.10 | | ug/m3 | 1 | 1/23/2018 4:46:00 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

Page 2 of 12

Centek Laboratories, LLC

Date: 12-Feb-18

CLIENT: LaBella Associates, P.C.
 Lab Order: C1801059
 Project: 300 Commerce BCP
 Lab ID: C1801059-002A

Client Sample ID: 300-IA-02
 Tag Number: 1186.310
 Collection Date: 1/18/2018
 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 | 1/23/2018 6:59:00 PM |
| 1,1,2,2-Tetrachloroethane | < 1.0 | 1.0 | | ug/m3 | 1 | 1/23/2018 6:59:00 PM |
| 1,1,2-Trichloroethane | < 0.82 | 0.82 | | ug/m3 | 1 | 1/23/2018 6:59:00 PM |
| 1,1-Dichloroethane | < 0.81 | 0.81 | | ug/m3 | 1 | 1/23/2018 6:59:00 PM |
| 1,1-Dichloroethene | < 0.16 | 0.16 | | ug/m3 | 1 | 1/23/2018 6:59:00 PM |
| 1,2,4-Trichlorobenzene | < 1.1 | 1.1 | | ug/m3 | 1 | 1/23/2018 6:59:00 PM |
| 1,2,4-Trimethylbenzene — | 0.98 | 0.74 | | ug/m3 | 1 | 1/23/2018 6:59:00 PM |
| 1,2-Dibromoethane | < 1.2 | 1.2 | | ug/m3 | 1 | 1/23/2018 6:59:00 PM |
| 1,2-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 1/23/2018 6:59:00 PM |
| 1,2-Dichloroethane | < 0.61 | 0.61 | | ug/m3 | 1 | 1/23/2018 6:59:00 PM |
| 1,2-Dichloropropane | < 0.69 | 0.69 | | ug/m3 | 1 | 1/23/2018 6:59:00 PM |
| 1,3,5-Trimethylbenzene | < 0.74 | 0.74 | | ug/m3 | 1 | 1/23/2018 6:59:00 PM |
| 1,3-butadiene | < 0.33 | 0.33 | | ug/m3 | 1 | 1/23/2018 6:59:00 PM |
| 1,3-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 1/23/2018 6:59:00 PM |
| 1,4-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 1/23/2018 6:59:00 PM |
| 1,4-Dioxane | < 1.1 | 1.1 | | ug/m3 | 1 | 1/23/2018 6:59:00 PM |
| 2,2,4-trimethylpentane | < 0.70 | 0.70 | | ug/m3 | 1 | 1/23/2018 6:59:00 PM |
| 4-ethyltoluene | < 0.74 | 0.74 | | ug/m3 | 1 | 1/23/2018 6:59:00 PM |
| Acetone | 52 52 52 | 6.4 | | ug/m3 | 9 | 1/24/2018 12:18:00 AM |
| Allyl chloride | < 0.47 | 0.47 | | ug/m3 | 1 | 1/23/2018 6:59:00 PM |
| Benzene — | 1.1 | 0.48 | | ug/m3 | 1 | 1/23/2018 6:59:00 PM |
| Benzyl chloride | < 0.86 | 0.86 | | ug/m3 | 1 | 1/23/2018 6:59:00 PM |
| Bromodichloromethane | < 1.0 | 1.0 | | ug/m3 | 1 | 1/23/2018 6:59:00 PM |
| Bromoform | < 1.6 | 1.6 | | ug/m3 | 1 | 1/23/2018 6:59:00 PM |
| Bromomethane | < 0.58 | 0.58 | | ug/m3 | 1 | 1/23/2018 6:59:00 PM |
| Carbon disulfide | < 0.47 | 0.47 | | ug/m3 | 1 | 1/23/2018 6:59:00 PM |
| Carbon tetrachloride — | 0.38 | 0.19 | | ug/m3 | 1 | 1/23/2018 6:59:00 PM |
| Chlorobenzene | < 0.69 | 0.69 | | ug/m3 | 1 | 1/23/2018 6:59:00 PM |
| Chloroethane | < 0.40 | 0.40 | | ug/m3 | 1 | 1/23/2018 6:59:00 PM |
| Chloroform | < 0.73 | 0.73 | | ug/m3 | 1 | 1/23/2018 6:59:00 PM |
| Chloromethane — | 0.93 | 0.31 | | ug/m3 | 1 | 1/23/2018 6:59:00 PM |
| cis-1,2-Dichloroethene | < 0.16 | 0.16 | | ug/m3 | 1 | 1/23/2018 6:59:00 PM |
| cis-1,3-Dichloropropene | < 0.68 | 0.68 | | ug/m3 | 1 | 1/23/2018 6:59:00 PM |
| Cyclohexane — | 4.5 | 0.52 | | ug/m3 | 1 | 1/23/2018 6:59:00 PM |
| Dibromochloromethane | < 1.3 | 1.3 | | ug/m3 | 1 | 1/23/2018 6:59:00 PM |
| Ethyl acetate — | 3.7 | 0.54 | | ug/m3 | 1 | 1/23/2018 6:59:00 PM |
| Ethylbenzene | < 0.65 | 0.65 | | ug/m3 | 1 | 1/23/2018 6:59:00 PM |
| Freon 11 — | 1.1 | 0.84 | | ug/m3 | 1 | 1/23/2018 6:59:00 PM |
| Freon 113 | < 1.1 | 1.1 | | ug/m3 | 1 | 1/23/2018 6:59:00 PM |
| Freon 114 | < 1.0 | 1.0 | | ug/m3 | 1 | 1/23/2018 6:59:00 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

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Centek Laboratories, LLC

Date: 12-Feb-18

CLIENT: LaBella Associates, P.C.
 Lab Order: C1801059
 Project: 300 Commerce BCP
 Lab ID: C1801059-002A

Client Sample ID: 300-1A-02
 Tag Number: 1186.310
 Collection Date: 1/18/2018
 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 - | 2.4 | 0.74 | | ug/m3 | 1 | 1/23/2018 6:59:00 PM |
| Heptane | 0.61 0.28 U | 0.61 | | ug/m3 | 1 | 1/23/2018 6:59:00 PM |
| Hexachloro-1,3-butadiene | < 1.6 | 1.6 | | ug/m3 | 1 | 1/23/2018 6:59:00 PM |
| Hexane - | 0.99 | 0.53 | | ug/m3 | 1 | 1/23/2018 6:59:00 PM |
| Isopropyl alcohol - | 380 | 34 | | ug/m3 | 90 | 1/24/2018 12:55:00 AM |
| m&p-Xylene - | 1.0 | 1.3 | J | ug/m3 | 1 | 1/23/2018 6:59:00 PM |
| Methyl Butyl Ketone | < 1.2 | 1.2 | | ug/m3 | 1 | 1/23/2018 6:59:00 PM |
| Methyl Ethyl Ketone - | 3.3 | 0.88 | | ug/m3 | 1 | 1/23/2018 6:59:00 PM |
| Methyl Isobutyl Ketone | < 1.2 | 1.2 | | ug/m3 | 1 | 1/23/2018 6:59:00 PM |
| Methyl tert-butyl ether | < 0.54 | 0.54 | | ug/m3 | 1 | 1/23/2018 6:59:00 PM |
| Methylene chloride - | 1.8 | 0.52 | | ug/m3 | 1 | 1/23/2018 6:59:00 PM |
| o-Xylene - | 0.48 | 0.65 | J | ug/m3 | 1 | 1/23/2018 6:59:00 PM |
| Propylene | < 0.26 | 0.28 | | ug/m3 | 1 | 1/23/2018 6:59:00 PM |
| Styrene - | 0.81 | 0.64 | | ug/m3 | 1 | 1/23/2018 6:59:00 PM |
| Tetrachloroethylene | < 1.0 | 1.0 | | ug/m3 | 1 | 1/23/2018 6:59:00 PM |
| Tetrahydrofuran | < 0.44 | 0.44 | | ug/m3 | 1 | 1/23/2018 6:59:00 PM |
| Toluene - | 5.8 | 5.3 | | ug/m3 | 9 | 1/24/2018 12:18:00 AM |
| trans-1,2-Dichloroethene | < 0.59 | 0.59 | | ug/m3 | 1 | 1/23/2018 6:59:00 PM |
| trans-1,3-Dichloropropene | < 0.68 | 0.68 | | ug/m3 | 1 | 1/23/2018 6:59:00 PM |
| Trichloroethene - | 0.59 | 0.16 | | ug/m3 | 1 | 1/23/2018 6:59:00 PM |
| Vinyl acetate | < 0.53 | 0.53 | | ug/m3 | 1 | 1/23/2018 6:59:00 PM |
| Vinyl Bromide | < 0.66 | 0.66 | | ug/m3 | 1 | 1/23/2018 6:59:00 PM |
| Vinyl chloride | < 0.10 | 0.10 | | ug/m3 | 1 | 1/23/2018 6:59:00 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

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Centek Laboratories, LLC

Date: 12-Feb-18

CLIENT: LaBella Associates, P.C.
 Lab Order: C1801059
 Project: 300 Commerce BCP
 Lab ID: C1801059-003A

Client Sample ID: 300-1A-03
 Tag Number: 556.1171
 Collection Date: 1/18/2018
 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 | 1/23/2018 7:40:00 PM |
| 1,1,2,2-Tetrachloroethane | < 1.0 | 1.0 | | ug/m3 | 1 | 1/23/2018 7:40:00 PM |
| 1,1,2-Trichloroethane | < 0.82 | 0.82 | | ug/m3 | 1 | 1/23/2018 7:40:00 PM |
| 1,1-Dichloroethane | < 0.61 | 0.61 | | ug/m3 | 1 | 1/23/2018 7:40:00 PM |
| 1,1-Dichloroethene | < 0.16 | 0.16 | | ug/m3 | 1 | 1/23/2018 7:40:00 PM |
| 1,2,4-Trichlorobenzene | < 1.1 | 1.1 | | ug/m3 | 1 | 1/23/2018 7:40:00 PM |
| 1,2,4-Trimethylbenzene | 2.1 | 0.74 | | ug/m3 | 1 | 1/23/2018 7:40:00 PM |
| 1,2-Dibromoethane | < 1.2 | 1.2 | | ug/m3 | 1 | 1/23/2018 7:40:00 PM |
| 1,2-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 1/23/2018 7:40:00 PM |
| 1,2-Dichloroethane | < 0.61 | 0.61 | | ug/m3 | 1 | 1/23/2018 7:40:00 PM |
| 1,2-Dichloropropane | < 0.69 | 0.69 | | ug/m3 | 1 | 1/23/2018 7:40:00 PM |
| 1,3,5-Trimethylbenzene | < 0.74 | 0.74 | | ug/m3 | 1 | 1/23/2018 7:40:00 PM |
| 1,3-butadiene | < 0.33 | 0.33 | | ug/m3 | 1 | 1/23/2018 7:40:00 PM |
| 1,3-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 1/23/2018 7:40:00 PM |
| 1,4-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 1/23/2018 7:40:00 PM |
| 1,4-Dioxane | < 1.1 | 1.1 | | ug/m3 | 1 | 1/23/2018 7:40:00 PM |
| 2,2,4-trimethylpentane | < 0.70 | 0.70 | | ug/m3 | 1 | 1/23/2018 7:40:00 PM |
| 4-ethyltoluene | < 0.74 | 0.74 | | ug/m3 | 1 | 1/23/2018 7:40:00 PM |
| Acetone | 78 | 64 | | ug/m3 | 90 | 1/24/2018 2:12:00 AM |
| Allyl chloride | < 0.47 | 0.47 | | ug/m3 | 1 | 1/23/2018 7:40:00 PM |
| Benzene | 1.3 | 0.48 | | ug/m3 | 1 | 1/23/2018 7:40:00 PM |
| Benzyl chloride | < 0.86 | 0.86 | | ug/m3 | 1 | 1/23/2018 7:40:00 PM |
| Bromodichloromethane | < 1.0 | 1.0 | | ug/m3 | 1 | 1/23/2018 7:40:00 PM |
| Bromoform | < 1.6 | 1.6 | | ug/m3 | 1 | 1/23/2018 7:40:00 PM |
| Bromomethane | < 0.58 | 0.58 | | ug/m3 | 1 | 1/23/2018 7:40:00 PM |
| Carbon disulfide | < 0.47 | 0.47 | | ug/m3 | 1 | 1/23/2018 7:40:00 PM |
| Carbon tetrachloride | 0.38 | 0.19 | | ug/m3 | 1 | 1/23/2018 7:40:00 PM |
| Chlorobenzene | < 0.69 | 0.69 | | ug/m3 | 1 | 1/23/2018 7:40:00 PM |
| Chloroethane | < 0.40 | 0.40 | | ug/m3 | 1 | 1/23/2018 7:40:00 PM |
| Chloroform | < 0.73 | 0.73 | | ug/m3 | 1 | 1/23/2018 7:40:00 PM |
| Chloromethane | 1.2 | 0.31 | | ug/m3 | 1 | 1/23/2018 7:40:00 PM |
| cis-1,2-Dichloroethene | < 0.16 | 0.16 | | ug/m3 | 1 | 1/23/2018 7:40:00 PM |
| cis-1,3-Dichloropropene | < 0.68 | 0.68 | | ug/m3 | 1 | 1/23/2018 7:40:00 PM |
| Cyclohexane | 8.4 | 4.8 | | ug/m3 | 9 | 1/24/2018 1:35:00 AM |
| Dibromochloromethane | < 1.3 | 1.3 | | ug/m3 | 1 | 1/23/2018 7:40:00 PM |
| Ethyl acetate | 3.6 | 0.54 | | ug/m3 | 1 | 1/23/2018 7:40:00 PM |
| Ethylbenzene | 0.43 | 0.65 | J | ug/m3 | 1 | 1/23/2018 7:40:00 PM |
| Freon 11 | 1.1 | 0.84 | | ug/m3 | 1 | 1/23/2018 7:40:00 PM |
| Freon 113 | < 1.1 | 1.1 | | ug/m3 | 1 | 1/23/2018 7:40:00 PM |
| Freon 114 | < 1.0 | 1.0 | | ug/m3 | 1 | 1/23/2018 7:40:00 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

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Centek Laboratories, LLC

Date: 12-Feb-18

CLIENT: LaBella Associates, P.C.
 Lab Order: C1801059
 Project: 300 Commerce BCP
 Lab ID: C1801059-003A

Client Sample ID: 300-1A-03
 Tag Number: 556.1171
 Collection Date: 1/18/2018
 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 ~ | 2.3 | 0.74 | | ug/m3 | 1 | 1/23/2018 7:40:00 PM |
| Heptane ~ | 0.98 | 0.61 | | ug/m3 | 1 | 1/23/2018 7:40:00 PM |
| Hexachloro-1,3-butadiene | < 1.6 | 1.6 | | ug/m3 | 1 | 1/23/2018 7:40:00 PM |
| Hexane ~ | 1.9 | 0.53 | | ug/m3 | 1 | 1/23/2018 7:40:00 PM |
| Isopropyl alcohol ~ | 840 | 290 | | ug/m3 | 810 | 1/24/2018 11:45:00 AM |
| m&p-Xylene ~ | 1.0 | 1.3 | J | ug/m3 | 1 | 1/23/2018 7:40:00 PM |
| Methyl Butyl Ketone | < 1.2 | 1.2 | | ug/m3 | 1 | 1/23/2018 7:40:00 PM |
| Methyl Ethyl Ketone ~ | 3.9 | 0.88 | | ug/m3 | 1 | 1/23/2018 7:40:00 PM |
| Methyl Isobutyl Ketone | < 1.2 | 1.2 | | ug/m3 | 1 | 1/23/2018 7:40:00 PM |
| Methyl tert-butyl ether | < 0.54 | 0.54 | | ug/m3 | 1 | 1/23/2018 7:40:00 PM |
| Methylene chloride ~ | 1.3 | 0.52 | | ug/m3 | 1 | 1/23/2018 7:40:00 PM |
| o-Xylene ~ | 0.61 | 0.66 | J | ug/m3 | 1 | 1/23/2018 7:40:00 PM |
| Propylene | < 0.26 | 0.26 | | ug/m3 | 1 | 1/23/2018 7:40:00 PM |
| Styrene ~ | 1.1 | 0.64 | | ug/m3 | 1 | 1/23/2018 7:40:00 PM |
| Tetrachloroethylene | < 1.0 | 1.0 | | ug/m3 | 1 | 1/23/2018 7:40:00 PM |
| Tetrahydrofuran | < 0.44 | 0.44 | | ug/m3 | 1 | 1/23/2018 7:40:00 PM |
| Toluene ~ | 13 | 5.3 | | ug/m3 | 9 | 1/24/2018 1:35:00 AM |
| trans-1,2-Dichloroethene | < 0.59 | 0.59 | | ug/m3 | 1 | 1/23/2018 7:40:00 PM |
| trans-1,3-Dichloropropene | < 0.68 | 0.68 | | ug/m3 | 1 | 1/23/2018 7:40:00 PM |
| Trichloroethene | < 0.16 | 0.16 | | ug/m3 | 1 | 1/23/2018 7:40:00 PM |
| Vinyl acetate | < 0.53 | 0.53 | | ug/m3 | 1 | 1/23/2018 7:40:00 PM |
| Vinyl Bromide | < 0.66 | 0.66 | | ug/m3 | 1 | 1/23/2018 7:40:00 PM |
| Vinyl chloride | < 0.10 | 0.10 | | ug/m3 | 1 | 1/23/2018 7:40:00 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

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Centek Laboratories, LLC

Date: 12-Feb-18

CLIENT: LaBella Associates, P.C.
 Lab Order: C1801059
 Project: 300 Commerce BCP
 Lab ID: C1801059-004A

Client Sample ID: 300-1A-04
 Tag Number: 554.268
 Collection Date: 1/18/2018
 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 | 1/23/2018 8:21:00 PM |
| 1,1,2,2-Tetrachloroethane | < 1.0 | 1.0 | | ug/m3 | 1 | 1/23/2018 8:21:00 PM |
| 1,1,2-Trichloroethane | < 0.82 | 0.82 | | ug/m3 | 1 | 1/23/2018 8:21:00 PM |
| 1,1-Dichloroethane | < 0.61 | 0.61 | | ug/m3 | 1 | 1/23/2018 8:21:00 PM |
| 1,1-Dichloroethene | < 0.16 | 0.16 | | ug/m3 | 1 | 1/23/2018 8:21:00 PM |
| 1,2,4-Trichlorobenzene | < 1.1 | 1.1 | | ug/m3 | 1 | 1/23/2018 8:21:00 PM |
| 1,2,4-Trimethylbenzene - | 2.0 | 0.74 | | ug/m3 | 1 | 1/23/2018 8:21:00 PM |
| 1,2-Dibromoethane | < 1.2 | 1.2 | | ug/m3 | 1 | 1/23/2018 8:21:00 PM |
| 1,2-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 1/23/2018 8:21:00 PM |
| 1,2-Dichloroethane | < 0.61 | 0.61 | | ug/m3 | 1 | 1/23/2018 8:21:00 PM |
| 1,2-Dichloropropene | < 0.69 | 0.69 | | ug/m3 | 1 | 1/23/2018 8:21:00 PM |
| 1,3,5-Trimethylbenzene | < 0.74 | 0.74 | | ug/m3 | 1 | 1/23/2018 8:21:00 PM |
| 1,3-butadiene | < 0.33 | 0.33 | | ug/m3 | 1 | 1/23/2018 8:21:00 PM |
| 1,3-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 1/23/2018 8:21:00 PM |
| 1,4-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 1/23/2018 8:21:00 PM |
| 1,4-Dioxane | < 1.1 | 1.1 | | ug/m3 | 1 | 1/23/2018 8:21:00 PM |
| 2,2,4-trimethylpentane | < 0.70 | 0.70 | | ug/m3 | 1 | 1/23/2018 8:21:00 PM |
| 4-ethyltoluene - | 1.3 | 0.74 | | ug/m3 | 1 | 1/23/2018 8:21:00 PM |
| Acetone - | 70 | 7.1 | | ug/m3 | 10 | 1/24/2018 2:49:00 AM |
| Allyl chloride | < 0.47 | 0.47 | | ug/m3 | 1 | 1/23/2018 8:21:00 PM |
| Benzene - | 1.3 | 0.48 | | ug/m3 | 1 | 1/23/2018 8:21:00 PM |
| Benzyl chloride | < 0.86 | 0.86 | | ug/m3 | 1 | 1/23/2018 8:21:00 PM |
| Bromodichloromethane | < 1.0 | 1.0 | | ug/m3 | 1 | 1/23/2018 8:21:00 PM |
| Bromoform | < 1.6 | 1.6 | | ug/m3 | 1 | 1/23/2018 8:21:00 PM |
| Bromomethane | < 0.58 | 0.58 | | ug/m3 | 1 | 1/23/2018 8:21:00 PM |
| Carbon disulfide | < 0.47 | 0.47 | | ug/m3 | 1 | 1/23/2018 8:21:00 PM |
| Carbon tetrachloride - | 0.38 | 0.19 | | ug/m3 | 1 | 1/23/2018 8:21:00 PM |
| Chlorobenzene | < 0.69 | 0.69 | | ug/m3 | 1 | 1/23/2018 8:21:00 PM |
| Chloroethane | < 0.40 | 0.40 | | ug/m3 | 1 | 1/23/2018 8:21:00 PM |
| Chloroform | < 0.73 | 0.73 | | ug/m3 | 1 | 1/23/2018 8:21:00 PM |
| Chloromethane - | 1.2 | 0.31 | | ug/m3 | 1 | 1/23/2018 8:21:00 PM |
| cis-1,2-Dichloroethene | < 0.16 | 0.16 | | ug/m3 | 1 | 1/23/2018 8:21:00 PM |
| cis-1,3-Dichloropropene | < 0.68 | 0.68 | | ug/m3 | 1 | 1/23/2018 8:21:00 PM |
| Cyclohexane - | 11 | 5.2 | | ug/m3 | 10 | 1/24/2018 2:49:00 AM |
| Dibromochloromethane | < 1.3 | 1.3 | | ug/m3 | 1 | 1/23/2018 8:21:00 PM |
| Ethyl acetate | 4.3 | 0.54 | | ug/m3 | 1 | 1/23/2018 8:21:00 PM |
| Ethylbenzene - | 0.52 | 0.65 | J | ug/m3 | 1 | 1/23/2018 8:21:00 PM |
| Freon 11 - | 1.1 | 0.84 | | ug/m3 | 1 | 1/23/2018 8:21:00 PM |
| Freon 113 | < 1.1 | 1.1 | | ug/m3 | 1 | 1/23/2018 8:21:00 PM |
| Freon 114 | < 1.0 | 1.0 | | ug/m3 | 1 | 1/23/2018 8:21:00 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

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Centek Laboratories, LLC

Date: 12-Feb-18

CLIENT: LaBella Associates, P.C.
 Lab Order: C1801059
 Project: 300 Commerce BCP
 Lab ID: C1801059-004A

Client Sample ID: 300-1A-04
 Tag Number: 554.268
 Collection Date: 1/18/2018
 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 | 2.3 | 0.74 | | ug/m3 | 1 | 1/23/2018 8:21:00 PM |
| Heptane | 1.1 | 0.61 | | ug/m3 | 1 | 1/23/2018 8:21:00 PM |
| Hexachloro-1,3-butadiene | < 1.6 | 1.6 | | ug/m3 | 1 | 1/23/2018 8:21:00 PM |
| Hexane | 2.0 | 0.53 | | ug/m3 | 1 | 1/23/2018 8:21:00 PM |
| Isopropyl alcohol | 1600 | 290 | | ug/m3 | 810 | 1/24/2018 12:22:00 PM |
| m&p-Xylene | 1.1 | 1.3 | J | ug/m3 | 1 | 1/23/2018 8:21:00 PM |
| Methyl Butyl Ketone | < 1.2 | 1.2 | | ug/m3 | 1 | 1/23/2018 8:21:00 PM |
| Methyl Ethyl Ketone | 4.0 | 0.88 | | ug/m3 | 1 | 1/23/2018 8:21:00 PM |
| Methyl Isobutyl Ketone | < 1.2 | 1.2 | | ug/m3 | 1 | 1/23/2018 8:21:00 PM |
| Methyl tert-butyl ether | < 0.54 | 0.54 | | ug/m3 | 1 | 1/23/2018 8:21:00 PM |
| Methylene chloride | 0.83 | 0.52 | | ug/m3 | 1 | 1/23/2018 8:21:00 PM |
| o-Xylene | 0.56 | 0.65 | J | ug/m3 | 1 | 1/23/2018 8:21:00 PM |
| Propylene | < 0.26 | 0.26 | | ug/m3 | 1 | 1/23/2018 8:21:00 PM |
| Styrene | 1.4 | 0.64 | | ug/m3 | 1 | 1/23/2018 8:21:00 PM |
| Tetrachloroethylene | < 1.0 | 1.0 | | ug/m3 | 1 | 1/23/2018 8:21:00 PM |
| Tetrahydrofuran | < 0.44 | 0.44 | | ug/m3 | 1 | 1/23/2018 8:21:00 PM |
| Toluene | 17 | 5.7 | | ug/m3 | 10 | 1/24/2018 2:49:00 AM |
| trans-1,2-Dichloroethene | < 0.59 | 0.59 | | ug/m3 | 1 | 1/23/2018 8:21:00 PM |
| trans-1,3-Dichloropropene | < 0.68 | 0.68 | | ug/m3 | 1 | 1/23/2018 8:21:00 PM |
| Trichloroethene | 0.21 | 0.16 | | ug/m3 | 1 | 1/23/2018 8:21:00 PM |
| Vinyl acetate | < 0.53 | 0.53 | | ug/m3 | 1 | 1/23/2018 8:21:00 PM |
| Vinyl Bromide | < 0.66 | 0.66 | | ug/m3 | 1 | 1/23/2018 8:21:00 PM |
| Vinyl chloride | < 0.10 | 0.10 | | ug/m3 | 1 | 1/23/2018 8:21:00 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

Page 8 of 12

Centek Laboratories, LLC

Date: 12-Feb-18

CLIENT: LaBella Associates, P.C.
 Lab Order: C1801059
 Project: 300 Commerce BCP
 Lab ID: C1801059-005A

Client Sample ID: 300-EXT-01
 Tag Number: 366.372
 Collection Date: 1/18/2018
 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 | 1/23/2018 9:01:00 PM |
| 1,1,2,2-Tetrachloroethane | < 1.0 | 1.0 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| 1,1,2-Trichloroethane | < 0.82 | 0.82 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| 1,1-Dichloroethane | < 0.61 | 0.61 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| 1,1-Dichloroethene | < 0.16 | 0.16 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| 1,2,4-Trichlorobenzene | < 1.1 | 1.1 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| 1,2,4-Trimethylbenzene | < 0.74 | 0.74 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| 1,2-Dibromoethane | < 1.2 | 1.2 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| 1,2-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| 1,2-Dichloroethane | < 0.61 | 0.61 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| 1,2-Dichloropropane | < 0.69 | 0.69 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| 1,3,5-Trimethylbenzene | < 0.74 | 0.74 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| 1,3-butadiene | < 0.33 | 0.33 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| 1,3-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| 1,4-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| 1,4-Dioxane | < 1.1 | 1.1 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| 2,2,4-trimethylpentane | < 0.70 | 0.70 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| 4-ethyltoluene | < 0.74 | 0.74 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| Acetone - | 11 | 7.1 | | ug/m3 | 10 | 1/24/2018 3:25:00 AM |
| Allyl chloride | < 0.47 | 0.47 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| Benzene - | 0.67 | 0.48 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| Benzyl chloride | < 0.86 | 0.86 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| Bromodichloromethane | < 1.0 | 1.0 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| Bromoform | < 1.6 | 1.6 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| Bromomethane | < 0.58 | 0.58 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| Carbon disulfide | < 0.47 | 0.47 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| Carbon tetrachloride- | 0.44 | 0.19 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| Chlorobenzene | < 0.69 | 0.69 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| Chloroethane | < 0.40 | 0.40 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| Chloroform | < 0.73 | 0.73 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| Chloromethane - | 0.78 | 0.31 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| cis-1,2-Dichloroethene | < 0.16 | 0.16 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| cis-1,3-Dichloropropene | < 0.68 | 0.68 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| Cyclohexane | < 0.52 | 0.52 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| Dibromochloromethane | < 1.3 | 1.3 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| Ethyl acetate | < 0.54 | 0.54 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| Ethylbenzene | < 0.65 | 0.65 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| Freon 11 - | 1.1 | 0.84 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| Freon 113 | < 1.1 | 1.1 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| Freon 114 | < 1.0 | 1.0 | | ug/m3 | 1 | 1/23/2018 9:01:00 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

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Centek Laboratories, LLC

Date: 12-Feb-18

CLIENT: LaBella Associates, P.C.
 Lab Order: C1801059
 Project: 300 Commerce BCP
 Lab ID: C1801059-005A

Client Sample ID: 300-EXT-01
 Tag Number: 366.372
 Collection Date: 1/18/2018
 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 | 2.3 | 0.74 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| Heptane | < 0.61 | 0.61 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| Hexachloro-1,3-butadiene | < 1.6 | 1.6 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| Hexane | < 0.53 | 0.53 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| Isopropyl alcohol | 2.6 | 0.37 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| m&p-Xylene | < 1.3 | 1.3 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| Methyl Butyl Ketone | < 1.2 | 1.2 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| Methyl Ethyl Ketone | < 0.88 | 0.88 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| Methyl Isobutyl Ketone | < 1.2 | 1.2 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| Methyl tert-butyl ether | < 0.54 | 0.54 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| Methylene chloride | 0.94 | 0.52 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| o-Xylene | < 0.65 | 0.65 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| Propylene | < 0.26 | 0.26 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| Styrene | < 0.64 | 0.64 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| Tetrachloroethylene | < 1.0 | 1.0 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| Tetrahydrofuran | < 0.44 | 0.44 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| Toluene | 0.75 | 0.57 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| trans-1,2-Dichloroethene | < 0.59 | 0.59 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| trans-1,3-Dichloropropene | < 0.68 | 0.68 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| Trichloroethene | < 0.16 | 0.16 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| Vinyl acetate | < 0.53 | 0.53 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| Vinyl Bromide | < 0.66 | 0.66 | | ug/m3 | 1 | 1/23/2018 9:01:00 PM |
| Vinyl chloride | < 0.10 | 0.10 | | ug/m3 | 1 | 1/23/2018 9:01:00 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

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Centek Laboratories, LLC

Date: 12-Feb-18

CLIENT: LaBella Associates, P.C.

Client Sample ID: Dupe

Lab Order: C1801059

Tag Number: 1177.268

Project: 300 Commerce BCP

Collection Date: 1/18/2018

Lab ID: C1801059-006A

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 | 1/23/2018 9:41:00 PM |
| 1,1,2,2-Tetrachloroethane | < 1.0 | 1.0 | | ug/m3 | 1 | 1/23/2018 9:41:00 PM |
| 1,1,2-Trichloroethane | < 0.82 | 0.82 | | ug/m3 | 1 | 1/23/2018 9:41:00 PM |
| 1,1-Dichloroethane | < 0.61 | 0.61 | | ug/m3 | 1 | 1/23/2018 9:41:00 PM |
| 1,1-Dichloroethene | < 0.16 | 0.16 | | ug/m3 | 1 | 1/23/2018 9:41:00 PM |
| 1,2,4-Trichlorobenzene | < 1.1 | 1.1 | | ug/m3 | 1 | 1/23/2018 9:41:00 PM |
| 1,2,4-Trimethylbenzene | 2.1 | 0.74 | | ug/m3 | 1 | 1/23/2018 9:41:00 PM |
| 1,2-Dibromoethane | < 1.2 | 1.2 | | ug/m3 | 1 | 1/23/2018 9:41:00 PM |
| 1,2-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 1/23/2018 9:41:00 PM |
| 1,2-Dichloroethane | < 0.61 | 0.61 | | ug/m3 | 1 | 1/23/2018 9:41:00 PM |
| 1,2-Dichloropropane | < 0.69 | 0.69 | | ug/m3 | 1 | 1/23/2018 9:41:00 PM |
| 1,3,5-Trimethylbenzene | < 0.74 | 0.74 | | ug/m3 | 1 | 1/23/2018 9:41:00 PM |
| 1,3-butadiene | < 0.33 | 0.33 | | ug/m3 | 1 | 1/23/2018 9:41:00 PM |
| 1,3-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 1/23/2018 9:41:00 PM |
| 1,4-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 1/23/2018 9:41:00 PM |
| 1,4-Dioxane | < 1.1 | 1.1 | | ug/m3 | 1 | 1/23/2018 9:41:00 PM |
| 2,2,4-trimethylpentane | < 0.70 | 0.70 | | ug/m3 | 1 | 1/23/2018 9:41:00 PM |
| 4-ethyltoluene | < 0.74 | 0.74 | | ug/m3 | 1 | 1/23/2018 9:41:00 PM |
| Acetone | 71 | 7.1 | | ug/m3 | 10 | 1/24/2018 4:03:00 AM |
| Allyl chloride | < 0.47 | 0.47 | | ug/m3 | 1 | 1/23/2018 9:41:00 PM |
| Benzene | 1.3 | 0.48 | | ug/m3 | 1 | 1/23/2018 9:41:00 PM |
| Benzyl chloride | < 0.86 | 0.86 | | ug/m3 | 1 | 1/23/2018 9:41:00 PM |
| Bromodichloromethane | < 1.0 | 1.0 | | ug/m3 | 1 | 1/23/2018 9:41:00 PM |
| Bromoform | < 1.6 | 1.6 | | ug/m3 | 1 | 1/23/2018 9:41:00 PM |
| Bromomethane | < 0.58 | 0.58 | | ug/m3 | 1 | 1/23/2018 9:41:00 PM |
| Carbon disulfide | < 0.47 | 0.47 | | ug/m3 | 1 | 1/23/2018 9:41:00 PM |
| Carbon tetrachloride | 0.38 | 0.19 | | ug/m3 | 1 | 1/23/2018 9:41:00 PM |
| Chlorobenzene | < 0.69 | 0.69 | | ug/m3 | 1 | 1/23/2018 9:41:00 PM |
| Chloroethane | < 0.40 | 0.40 | | ug/m3 | 1 | 1/23/2018 9:41:00 PM |
| Chloroform | < 0.73 | 0.73 | | ug/m3 | 1 | 1/23/2018 9:41:00 PM |
| Chloromethane | < 0.31 | 0.31 | | ug/m3 | 1 | 1/23/2018 9:41:00 PM |
| cis-1,2-Dichloroethene | < 0.16 | 0.16 | | ug/m3 | 1 | 1/23/2018 9:41:00 PM |
| cis-1,3-Dichloropropene | < 0.68 | 0.68 | | ug/m3 | 1 | 1/23/2018 9:41:00 PM |
| Cyclohexane | 8.6 | 5.2 | | ug/m3 | 10 | 1/24/2018 4:03:00 AM |
| Dibromochloromethane | < 1.3 | 1.3 | | ug/m3 | 1 | 1/23/2018 9:41:00 PM |
| Ethyl acetate | 4.4 | 0.54 | | ug/m3 | 1 | 1/23/2018 9:41:00 PM |
| Ethylbenzene | 0.52 | 0.65 | J | ug/m3 | 1 | 1/23/2018 9:41:00 PM |
| Freon 11 | 1.2 | 0.84 | | ug/m3 | 1 | 1/23/2018 9:41:00 PM |
| Freon 113 | < 1.1 | 1.1 | | ug/m3 | 1 | 1/23/2018 9:41:00 PM |
| Freon 114 | < 1.0 | 1.0 | | ug/m3 | 1 | 1/23/2018 9:41:00 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

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Centek Laboratories, LLC

Date: 12-Feb-18

CLIENT: LaBella Associates, P.C.
 Lab Order: C1801059
 Project: 300 Commerce BCP
 Lab ID: C1801059-006A

Client Sample ID: Dupe
 Tag Number: 1177.268
 Collection Date: 1/18/2018
 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 — | 2.2 | 0.74 | | ug/m3 | 1 | 1/23/2018 9:41:00 PM |
| Heptane — | 1.1 | 0.61 | | ug/m3 | 1 | 1/23/2018 9:41:00 PM |
| Hexachloro-1,3-butadiene | < 1.6 | 1.6 | | ug/m3 | 1 | 1/23/2018 9:41:00 PM |
| Hexane — | 1.9 | 0.53 | | ug/m3 | 1 | 1/23/2018 9:41:00 PM |
| Isopropyl alcohol — | 1500 | 290 | | ug/m3 | 810 | 1/24/2018 12:59:00 PM |
| m&p-Xylene — | 1.1 | 1.3 | J | ug/m3 | 1 | 1/23/2018 9:41:00 PM |
| Methyl Butyl Ketone | < 1.2 | 1.2 | | ug/m3 | 1 | 1/23/2018 9:41:00 PM |
| Methyl Ethyl Ketone — | 4.3 | 0.88 | | ug/m3 | 1 | 1/23/2018 9:41:00 PM |
| Methyl Isobutyl Ketone | < 1.2 | 1.2 | | ug/m3 | 1 | 1/23/2018 9:41:00 PM |
| Methyl tert-butyl ether | < 0.54 | 0.54 | | ug/m3 | 1 | 1/23/2018 9:41:00 PM |
| Methylene chloride — | 0.94 | 0.52 | | ug/m3 | 1 | 1/23/2018 9:41:00 PM |
| o-Xylene — | 0.65 | 0.65 | | ug/m3 | 1 | 1/23/2018 9:41:00 PM |
| Propylene | < 0.26 | 0.26 | | ug/m3 | 1 | 1/23/2018 9:41:00 PM |
| Styrene — | 1.4 | 0.64 | | ug/m3 | 1 | 1/23/2018 9:41:00 PM |
| Tetrachloroethylene | < 1.0 | 1.0 | | ug/m3 | 1 | 1/23/2018 9:41:00 PM |
| Tetrahydrofuran | < 0.44 | 0.44 | | ug/m3 | 1 | 1/23/2018 9:41:00 PM |
| Toluene — | 16 | 5.7 | | ug/m3 | 10 | 1/24/2018 4:03:00 AM |
| trans-1,2-Dichloroethene | < 0.59 | 0.59 | | ug/m3 | 1 | 1/23/2018 9:41:00 PM |
| trans-1,3-Dichloropropene | < 0.68 | 0.68 | | ug/m3 | 1 | 1/23/2018 9:41:00 PM |
| Trichloroethene — | 0.21 | 0.16 | | ug/m3 | 1 | 1/23/2018 9:41:00 PM |
| Vinyl acetate | < 0.53 | 0.53 | | ug/m3 | 1 | 1/23/2018 9:41:00 PM |
| Vinyl Bromide | < 0.66 | 0.66 | | ug/m3 | 1 | 1/23/2018 9:41:00 PM |
| Vinyl chloride | < 0.10 | 0.10 | | ug/m3 | 1 | 1/23/2018 9:41:00 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

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Date: 12-Feb-18



CENTEK LABORATORIES, LLC

QC SUMMARY REPORT SURROGATE RECOVERIES

CLIENT: LaBella Associates, P.C.

Work Order: C1801059

Project: 300 Commerce BCP

Test No: TO-15

Matrix: A

| Sample ID | BR4FBZ | | | | | | |
|-------------------|--------|--|--|--|--|--|--|
| ALCSIUG-012318 | 109 | | | | | | |
| ALCSIUG-012418 | 106 | | | | | | |
| ALCSIUGD-012318 | 108 | | | | | | |
| AMBIUG-012318 | 77.0 | | | | | | |
| AMBIUG-012418 | 74.0 | | | | | | |
| C1801059-001A ✓ | 85.0 | | | | | | |
| C1801059-001A MS | 125 | | | | | | |
| C1801059-001A MSD | 136 * | | | | | | |
| C1801059-002A ✓ | 115 | | | | | | |
| C1801059-003A ✓ | 107 | | | | | | |
| C1801059-004A ✓ | 115 | | | | | | |
| C1801059-005A ✓ | 90.0 | | | | | | |
| C1801059-006A ✓ | 112 | | | | | | |

| Acronym | Surrogate | QC Limits |
|---------|----------------------|-----------------------------|
| BR4FBZ | = Bromofluorobenzene | 70-130 80-120 |

* Surrogate recovery outside acceptance limits

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

Tune File : C:\HPCHEM\1\DATA\AP012304.D
Tune Time : 23 Jan 2018 1:19 pm

Daily Calibration File : C:\HPCHEM\1\DATA\AP012304.D

CCV 1/23/18 AP012304 (BFB)

10.6 12.83 17.56

86197 338867 273494
(IS1) (IS2) (IS3)
61569 242048 195353
36941 145229 117212

| File | Sample | DL | Surrogate Recovery % | Internal | Standard Responses |
|------------|-------------------|-----|----------------------|----------|--------------------|
| AP012305.D | ALCS1UG-012318 | 109 | | 66130 | 262928 209680 |
| AP012306.D | AMB1UG-012318 | 77 | | 58349 | 226246 163681 |
| AP012307.D | C1801059-001A | 85 | 10.6 12.83 17.57 | 58423 | 232526 179447 |
| AP012308.D | C1801059-001A MS | 125 | | 62755 | 255610 214065 |
| AP012309.D | C1801059-001A MSD | 136 | | 65221 | 257568 214279 |
| AP012310.D | C1801059-002A | 115 | 10.6 12.83 17.56 | 61169 | 253166 201981 |
| AP012311.D | C1801059-003A | 107 | 10.6 12.83 17.56 | 60766 | 243822 202756 |
| AP012312.D | C1801059-004A | 115 | 10.6 12.83 17.56 | 60619 | 247599 215464 |
| AP012313.D | C1801059-005A | 90 | 10.6 12.83 17.57 | 59237 | 222419 171936 |
| AP012314.D | C1801059-006A | 112 | 10.6 12.83 17.56 | 58361 | 240370 190476 |
| AP012316.D | C1801059-001A 9X | 98 | 10.6 12.83 17.56 | 57381 | 217134 158357 |
| AP012317.D | C1801059-001A 90X | 76 | 10.6 12.83 17.56 | 53749 | 202996 138372 |
| AP012318.D | C1801059-002A 9X | 80 | 10.6 12.82 17.56 | 55298 | 212474 153943 |
| AP012319.D | C1801059-002A 90X | 76 | 10.6 12.82 17.56 | 51964 | 199622 137127 |
| AP012320.D | C1801059-003A 9X | 79 | 10.6 12.82 17.56 | 54761 | 216898 156826 |
| AP012321.D | C1801059-003A 90X | 90 | 10.6 12.83 17.56 | 54813 | 209042 141152 |
| AP012322.D | C1801059-004A 10X | 79 | 10.6 12.82 17.56 | 53504 | 205394 141466 |
| AP012323.D | C1801059-005A 10X | 74 | 10.6 12.83 17.56 | 53040 | 200508 135446 |
| AP012324.D | C1801059-006A 10X | 81 | 10.6 12.83 17.56 | 54892 | 208049 142848 |
| AP012326.D | ALCS1UGD-012318 | 108 | | 57609 | 219763 175684 |

t - fails 24hr time check * - fails criteria

Created: Mon Feb 12 09:29:24 2018 MSD #1/

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

Tune File : C:\HPCHEM\1\DATA\AP012403.D
Tune Time : 24 Jan 2018 8:57 am

Daily Calibration File : C:\HPCHEM\1\DATA\AP012403.D

CCV 1/24/19 0857 (BFB) 10.6 12.83 17.56 (IS1) (IS2) (IS3)
57669 230444 176593

| File | Sample | DL | Surrogate | Recovery % | Internal Standard Responses | | |
|------------|--------------------|----|-----------|------------------|-----------------------------|--------|--------|
| AP012404.D | ALCS1UG-012418 | | 106 | | 55550 | 221976 | 174698 |
| AP012405.D | AMB1UG-012418 | | 74 | | 54650 | 206952 | 151769 |
| AP012406.D | C1801059-003A 810X | | 75 | 10.6 12.82 17.56 | 54276 | 201612 | 142792 |
| AP012407.D | C1801059-004A 810X | | 73 | 10.6 12.83 17.56 | 54277 | 200061 | 141236 |
| AP012408.D | C1801059-006A 810X | | 73 | 10.6 12.83 17.56 | 49752 | 186319 | 135553 |

t - fails 24hr time check * - fails criteria

Created: Mon Feb 12 09:31:44 2018 MSD #1/



CENTEK LABORATORIES, LLC

Date: 12-Feb-18

ANALYTICAL QC SUMMARY REPORT

CLIENT: LaBella Associates, P.C.

Work Order: C1801059

Project: 300 Commerce BCP

TestCode: 0.20_NYS

| Sample ID: ALCS1UG-012318 | SampType: LCS | TestCode: 0.20_NYS | Units: ppbV | Prep Date: | RunNo: 13187 | | | | | | |
|---------------------------|------------------|--------------------|-------------|--------------------------|---------------|----------|-----------|-------------|------|----------|------|
| Client ID: ZZZZZ | Batch ID: R13187 | TestNo: TO-15 | | Analysis Date: 1/23/2018 | SeqNo: 153170 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| 1,1,1-Trichloroethane | 0.9000 | 0.15 | 1 | 0 | 90.0 | 70 | 130 | | | | |
| 1,1,2,2-Tetrachloroethane | 1.170 | 0.15 | 1 | 0 | 117 | 70 | 130 | | | | |
| 1,1,2-Trichloroethane | 1.050 | 0.15 | 1 | 0 | 105 | 70 | 130 | | | | |
| 1,1-Dichloroethane | 1.000 | 0.15 | 1 | 0 | 100 | 70 | 130 | | | | |
| 1,1-Dichloroethene | 0.7200 | 0.040 | 1 | 0 | 72.0 | 70 | 130 | | | | |
| 1,2,4-Trichlorobenzene | 1.110 | 0.15 | 1 | 0 | 111 | 70 | 130 | | | | |
| 1,2,4-Trimethylbenzene | 1.100 | 0.15 | 1 | 0 | 110 | 70 | 130 | | | | |
| 1,2-Dibromoethane | 1.090 | 0.15 | 1 | 0 | 109 | 70 | 130 | | | | |
| 1,2-Dichlorobenzene | 1.120 | 0.15 | 1 | 0 | 112 | 70 | 130 | | | | |
| 1,2-Dichloroethane | 0.9400 | 0.15 | 1 | 0 | 94.0 | 70 | 130 | | | | |
| 1,2-Dichloropropane | 1.120 | 0.15 | 1 | 0 | 112 | 70 | 130 | | | | |
| 1,3,5-Trimethylbenzene | 1.190 | 0.15 | 1 | 0 | 119 | 70 | 130 | | | | |
| 1,3-butadiene | 0.9000 | 0.15 | 1 | 0 | 90.0 | 70 | 130 | | | | |
| 1,3-Dichlorobenzene | 1.080 | 0.15 | 1 | 0 | 108 | 70 | 130 | | | | |
| 1,4-Dichlorobenzene | 1.120 | 0.15 | 1 | 0 | 112 | 70 | 130 | | | | |
| 1,4-Dioxane | 1.100 | 0.30 | 1 | 0 | 110 | 70 | 130 | | | | |
| 2,2,4-trimethylpentane | 1.120 | 0.15 | 1 | 0 | 112 | 70 | 130 | | | | |
| 4-ethyltoluene | 1.110 | 0.15 | 1 | 0 | 111 | 70 | 130 | | | | |
| Acetone | 1.040 | 0.30 | 1 | 0 | 104 | 70 | 130 | | | | |
| Allyl chloride | 1.000 | 0.15 | 1 | 0 | 100 | 70 | 130 | | | | |
| Benzene | 1.050 | 0.15 | 1 | 0 | 105 | 70 | 130 | | | | |
| Benzyl chloride | 1.070 | 0.15 | 1 | 0 | 107 | 70 | 130 | | | | |
| Bromodichloromethane | 0.9400 | 0.15 | 1 | 0 | 94.0 | 70 | 130 | | | | |
| Bromoform | 0.9600 | 0.15 | 1 | 0 | 96.0 | 70 | 130 | | | | |
| Bromomethane | 0.8400 | 0.15 | 1 | 0 | 84.0 | 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: C1801059

Project: 300 Commerce BCP

TestCode: 0.20_NYS

| Sample ID: ALC51UG-012318 | SampType: LCS | TestCode: 0.20_NYS | Units: ppbV | Prep Date: | RunNo: 13187 | | | | | | |
|---------------------------|------------------|--------------------|-------------|--------------------------|---------------|----------|-----------|-------------|------|----------|------|
| Client ID: ZZZZZ | Batch ID: R13187 | TestNo: TO-15 | | Analysis Date: 1/23/2018 | SeqNo: 153170 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Carbon disulfide | 1.320 | 0.15 | 1 | 0 | 132 | 70 | 130 | 135 | | | S |
| Carbon tetrachloride | 0.7900 | 0.030 | 1 | 0 | 79.0 | 70 | 130 | | | | |
| Chlorobenzene | 1.070 | 0.15 | 1 | 0 | 107 | 70 | 130 | | | | |
| Chloroethane | 0.8700 | 0.15 | 1 | 0 | 87.0 | 70 | 130 | | | | |
| Chloroform | 0.9300 | 0.15 | 1 | 0 | 93.0 | 70 | 130 | | | | |
| Chloromethane | 0.8700 | 0.15 | 1 | 0 | 87.0 | 70 | 130 | | | | |
| cis-1,2-Dichloroethene | 0.9300 | 0.040 | 1 | 0 | 93.0 | 70 | 130 | | | | |
| cis-1,3-Dichloropropene | 1.050 | 0.15 | 1 | 0 | 105 | 70 | 130 | | | | |
| Cyclohexane | 1.130 | 0.15 | 1 | 0 | 113 | 70 | 130 | | | | |
| Dibromochloromethane | 0.9600 | 0.15 | 1 | 0 | 96.0 | 70 | 130 | | | | |
| Ethyl acetate | 1.110 | 0.15 | 1 | 0 | 111 | 70 | 130 | | | | |
| Ethylbenzene | 1.080 | 0.15 | 1 | 0 | 108 | 70 | 130 | | | | |
| Freon 11 | 0.8400 | 0.15 | 1 | 0 | 84.0 | 70 | 130 | | | | |
| Freon 113 | 0.8700 | 0.15 | 1 | 0 | 87.0 | 70 | 130 | | | | |
| Freon 114 | 0.8900 | 0.15 | 1 | 0 | 89.0 | 70 | 130 | | | | |
| Freon 12 | 0.9200 | 0.15 | 1 | 0 | 92.0 | 70 | 130 | | | | |
| Heptane | 1.120 | 0.15 | 1 | 0 | 112 | 70 | 130 | | | | |
| Hexachloro-1,3-butadiene | 1.000 | 0.15 | 1 | 0 | 100 | 70 | 130 | | | | |
| Hexane | 1.150 | 0.15 | 1 | 0 | 115 | 70 | 130 | | | | |
| Isopropyl alcohol | 0.8800 | 0.15 | 1 | 0 | 88.0 | 70 | 130 | | | | |
| m&p-Xylene | 2.320 | 0.30 | 2 | 0 | 116 | 70 | 130 | | | | |
| Methyl Butyl Ketone | 1.010 | 0.30 | 1 | 0 | 101 | 70 | 130 | | | | |
| Methyl Ethyl Ketone | 1.100 | 0.30 | 1 | 0 | 110 | 70 | 130 | | | | |
| Methyl Isobutyl Ketone | 1.110 | 0.30 | 1 | 0 | 111 | 70 | 130 | | | | |
| Methyl tert-butyl ether | 0.9800 | 0.15 | 1 | 0 | 98.0 | 70 | 130 | | | | |
| Methylene chloride | 0.9800 | 0.15 | 1 | 0 | 98.0 | 70 | 130 | | | | |
| o-Xylene | 1.180 | 0.15 | 1 | 0 | 118 | 70 | 130 | | | | |
| Propylene | 1.180 | 0.15 | 1 | 0 | 118 | 70 | 130 | | | | |
| Styrene | 1.120 | 0.15 | 1 | 0 | 112 | 70 | 130 | | | | |
| Tetrachloroethylene | 0.9900 | 0.15 | 1 | 0 | 99.0 | 70 | 130 | | | | |
| Tetrahydrofuran | 1.110 | 0.15 | 1 | 0 | 111 | 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: C1801059

Project: 300 Commerce BCP

TestCode: 0.20_NYS

| | | | | | | | | | | | |
|---------------------------|------------------|--------------------|-------------|--------------------------|---------------|----------|-----------|-------------|------|----------|------|
| Sample ID: ALCS1UG-012318 | SampType: LCS | TestCode: 0.20_NYS | Units: ppbV | Prep Date: | RunNo: 13187 | | | | | | |
| Client ID: ZZZZZ | Batch ID: R13187 | TestNo: TO-15 | | Analysis Date: 1/23/2018 | SeqNo: 153170 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Toluene | 1.100 | 0.15 | 1 | 0 | 110 | 70 | 130 | | | | |
| trans-1,2-Dichloroethene | 1.090 | 0.15 | 1 | 0 | 109 | 70 | 130 | | | | |
| trans-1,3-Dichloropropene | 1.000 | 0.15 | 1 | 0 | 100 | 70 | 130 | | | | |
| Trichloroethene | 0.8700 | 0.030 | 1 | 0 | 87.0 | 70 | 130 | | | | |
| Vinyl acetate | 1.060 | 0.15 | 1 | 0 | 106 | 70 | 130 | | | | |
| Vinyl Bromide | 0.8900 | 0.15 | 1 | 0 | 89.0 | 70 | 130 | | | | |
| Vinyl chloride | 0.8400 | 0.040 | 1 | 0 | 84.0 | 70 | 130 | | | | |

| Sample ID: ALCS1UG-012418 | SampType: LCS | TestCode: 0.20_NYS | Units: ppbV | Prep Date: | RunNo: 13189 | | | | | | |
|---------------------------|------------------|--------------------|-------------|--------------------------|---------------|----------|-----------|-------------|------|----------|------|
| Client ID: ZZZZZ | Batch ID: R13189 | TestNo: TO-15 | | Analysis Date: 1/24/2018 | SeqNo: 153195 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| 1,1,1-Trichloroethane | 0.9900 | 0.15 | 1 | 0 | 99.0 | 70 | 130 | | | | |
| 1,1,2,2-Tetrachloroethane | 1.300 | 0.15 | 1 | 0 | 130 | 70 | 130 | | | | |
| 1,1,2-Trichloroethane | 1.170 | 0.15 | 1 | 0 | 117 | 70 | 130 | | | | |
| 1,1-Dichloroethane | 1.130 | 0.15 | 1 | 0 | 113 | 70 | 130 | | | | |
| 1,1-Dichloroethene | 0.9200 | 0.040 | 1 | 0 | 92.0 | 70 | 130 | | | | |
| 1,2,4-Trichlorobenzene | 0.9600 | 0.15 | 1 | 0 | 96.0 | 70 | 130 | | | | |
| 1,2,4-Trimethylbenzene | 1.060 | 0.15 | 1 | 0 | 106 | 70 | 130 | | | | |
| 1,2-Dibromoethane | 1.170 | 0.15 | 1 | 0 | 117 | 70 | 130 | | | | |
| 1,2-Dichlorobenzene | 1.160 | 0.15 | 1 | 0 | 116 | 70 | 130 | | | | |
| 1,2-Dichloroethane | 1.010 | 0.15 | 1 | 0 | 101 | 70 | 130 | | | | |
| 1,2-Dichloropropane | 1.230 | 0.15 | 1 | 0 | 123 | 70 | 130 | | | | |
| 1,3,5-Trimethylbenzene | 1.250 | 0.15 | 1 | 0 | 125 | 70 | 130 | | | | |
| 1,3-butadiene | 1.100 | 0.15 | 1 | 0 | 110 | 70 | 130 | | | | |
| 1,3-Dichlorobenzene | 1.140 | 0.15 | 1 | 0 | 114 | 70 | 130 | | | | |
| 1,4-Dichlorobenzene | 1.160 | 0.15 | 1 | 0 | 116 | 70 | 130 | | | | |
| 1,4-Dioxane | 0.8700 | 0.30 | 1 | 0 | 87.0 | 70 | 130 | | | | |
| 2,2,4-trimethylpentane | 1.230 | 0.15 | 1 | 0 | 123 | 70 | 130 | | | | |
| 4-ethyltoluene | 1.150 | 0.15 | 1 | 0 | 115 | 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: C1801059

Project: 300 Commerce BCP

TestCode: 0.20_NYS

| Sample ID: ALCS1UG-012418 | SampType: LCS | TestCode: 0.20_NYS | Units: ppbV | Prep Date: | RunNo: 13189 | | | | | | |
|---------------------------|------------------|--------------------|-------------|--------------------------|---------------|----------|-----------|-------------|------|----------|------|
| Client ID: ZZZZZ | Batch ID: R13189 | TestNo: TO-15 | | Analysis Date: 1/24/2018 | SeqNo: 153195 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Acetone | 1.020 | 0.30 | 1 | 0 | 102 | 70 | 130 | | | | |
| Allyl chloride | 1.140 | 0.15 | 1 | 0 | 114 | 70 | 130 | | | | |
| Benzene | 1.140 | 0.15 | 1 | 0 | 114 | 70 | 130 | | | | |
| Benzyl chloride | 1.010 | 0.15 | 1 | 0 | 101 | 70 | 130 | | | | |
| Bromodichloromethane | 1.050 | 0.15 | 1 | 0 | 105 | 70 | 130 | | | | |
| Bromoform | 1.060 | 0.15 | 1 | 0 | 106 | 70 | 130 | | | | |
| Bromomethane | 1.020 | 0.15 | 1 | 0 | 102 | 70 | 130 | | | | |
| Carbon disulfide | 1.400 | 0.15 | 1 | 0 | 140 | 70 | 130 | | | | S |
| Carbon tetrachloride | 0.8800 | 0.030 | 1 | 0 | 88.0 | 70 | 130 | | | | |
| Chlorobenzene | 1.170 | 0.15 | 1 | 0 | 117 | 70 | 130 | | | | |
| Chloroethane | 1.000 | 0.15 | 1 | 0 | 100 | 70 | 130 | | | | |
| Chloroform | 1.060 | 0.15 | 1 | 0 | 106 | 70 | 130 | | | | |
| Chloromethane | 1.150 | 0.15 | 1 | 0 | 115 | 70 | 130 | | | | |
| cis-1,2-Dichloroethene | 1.030 | 0.040 | 1 | 0 | 103 | 70 | 130 | | | | |
| cis-1,3-Dichloropropene | 1.110 | 0.15 | 1 | 0 | 111 | 70 | 130 | | | | |
| Cyclohexane | 1.240 | 0.15 | 1 | 0 | 124 | 70 | 130 | | | | |
| Dibromochloromethane | 1.060 | 0.15 | 1 | 0 | 106 | 70 | 130 | | | | |
| Ethyl acetate | 1.120 | 0.15 | 1 | 0 | 112 | 70 | 130 | | | | |
| Ethylbenzene | 1.160 | 0.15 | 1 | 0 | 116 | 70 | 130 | | | | |
| Freon 11 | 0.9700 | 0.15 | 1 | 0 | 97.0 | 70 | 130 | | | | |
| Freon 113 | 1.030 | 0.15 | 1 | 0 | 103 | 70 | 130 | | | | |
| Freon 114 | 1.100 | 0.15 | 1 | 0 | 110 | 70 | 130 | | | | |
| Freon 12 | 1.080 | 0.15 | 1 | 0 | 108 | 70 | 130 | | | | |
| Heptane | 1.260 | 0.15 | 1 | 0 | 126 | 70 | 130 | | | | |
| Hexachloro-1,3-butadiene | 0.9600 | 0.15 | 1 | 0 | 96.0 | 70 | 130 | | | | |
| Hexane | 1.420 | 0.15 | 1 | 0 | 142 | 70 | 130 | | | | S |
| Isopropyl alcohol | 0.9100 | 0.15 | 1 | 0 | 91.0 | 70 | 130 | | | | |
| m&p-Xylene | 2.460 | 0.30 | 2 | 0 | 123 | 70 | 130 | | | | |
| Methyl Butyl Ketone | 1.120 | 0.30 | 1 | 0 | 112 | 70 | 130 | | | | |
| Methyl Ethyl Ketone | 1.090 | 0.30 | 1 | 0 | 109 | 70 | 130 | | | | |
| Methyl Isobutyl Ketone | 0.9400 | 0.30 | 1 | 0 | 94.0 | 70 | 130 | | | | |

Qualifiers:

- . Results reported are not blank corrected
- I 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: C1801059

Project: 300 Commerce BCP

TestCode: 0.20_NYS

| Sample ID: ALC51UG-012418 | SampType: LCS | TestCode: 0.20_NYS | Units: ppbV | Prep Date: | RunNo: 13189 | | | | | | |
|---------------------------|------------------|--------------------|-------------|--------------------------|---------------|----------|-----------|-------------|------|----------|------|
| Client ID: ZZZZZ | Batch ID: R13189 | TestNo: TO-15 | | Analysis Date: 1/24/2018 | SeqNo: 153195 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Methyl tert-butyl ether | 1.030 | 0.15 | 1 | 0 | 103 | 70 | 130 | | | | |
| Methylene chloride | 1.090 | 0.15 | 1 | 0 | 109 | 70 | 130 | | | | |
| o-Xylene | 1.300 | 0.15 | 1 | 0 | 130 | 70 | 130 | | | | |
| Propylene | 1.260 | 0.15 | 1 | 0 | 126 | 70 | 130 | | | | |
| Styrene | 1.200 | 0.15 | 1 | 0 | 120 | 70 | 130 | | | | |
| Tetrachloroethylene | 1.110 | 0.15 | 1 | 0 | 111 | 70 | 130 | | | | |
| Tetrahydrofuran | 1.160 | 0.15 | 1 | 0 | 116 | 70 | 130 | | | | |
| Toluene | 1.230 | 0.15 | 1 | 0 | 123 | 70 | 130 | | | | |
| trans-1,2-Dichloroethene | 1.230 | 0.15 | 1 | 0 | 123 | 70 | 130 | | | | |
| trans-1,3-Dichloropropene | 1.030 | 0.15 | 1 | 0 | 103 | 70 | 130 | | | | |
| Trichloroethene | 0.9600 | 0.030 | 1 | 0 | 96.0 | 70 | 130 | | | | |
| Vinyl acetate | 1.110 | 0.15 | 1 | 0 | 111 | 70 | 130 | | | | |
| Vinyl Bromide | 1.040 | 0.15 | 1 | 0 | 104 | 70 | 130 | | | | |
| Vinyl chloride | 1.050 | 0.040 | 1 | 0 | 105 | 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

Date: 12-Feb-18

ANALYTICAL QC SUMMARY REPORT

CLIENT: LaBella Associates, P.C.

Work Order: C1801059

Project: 300 Commerce BCP

TestCode: 0.20_NYS

| Sample ID: ALCS1UGD-012318 | SampType: LCSD | TestCode: 0.20_NYS | Units: ppbV | Prep Date: | RunNo: 13187 | | | | | | |
|----------------------------|------------------|--------------------|-------------|--------------------------|---------------|----------|-----------|-------------|------|----------|------|
| Client ID: ZZZZZ | Batch ID: R13187 | TestNo: TO-15 | | Analysis Date: 1/24/2018 | SeqNo: 153171 | | | | | | |
| 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 | 70 | 130 | 0.9 | 11.5 | 30 | |
| 1,1,2,2-Tetrachloroethane | 1.270 | 0.15 | 1 | 0 | 127 | 70 | 130 | 1.17 | 8.20 | 30 | |
| 1,1,2-Trichloroethane | 1.160 | 0.15 | 1 | 0 | 116 | 70 | 130 | 1.05 | 9.95 | 30 | |
| 1,1-Dichloroethane | 1.060 | 0.15 | 1 | 0 | 106 | 70 | 130 | 1 | 5.83 | 30 | |
| 1,1-Dichloroethene | 0.7700 | 0.040 | 1 | 0 | 77.0 | 70 | 130 | 0.72 | 6.71 | 30 | |
| 1,2,4-Trichlorobenzene | 0.8800 | 0.15 | 1 | 0 | 88.0 | 70 | 130 | 1.11 | 23.1 | 30 | |
| 1,2,4-Trimethylbenzene | 1.050 | 0.15 | 1 | 0 | 105 | 70 | 130 | 1.1 | 4.65 | 30 | |
| 1,2-Dibromoethane | 1.190 | 0.15 | 1 | 0 | 119 | 70 | 130 | 1.09 | 8.77 | 30 | |
| 1,2-Dichlorobenzene | 1.150 | 0.15 | 1 | 0 | 115 | 70 | 130 | 1.12 | 2.64 | 30 | |
| 1,2-Dichloroethane | 0.9900 | 0.15 | 1 | 0 | 99.0 | 70 | 130 | 0.94 | 5.18 | 30 | |
| 1,2-Dichloropropane | 1.250 | 0.15 | 1 | 0 | 125 | 70 | 130 | 1.12 | 11.0 | 30 | |
| 1,3,5-Trimethylbenzene | 1.230 | 0.15 | 1 | 0 | 123 | 70 | 130 | 1.19 | 3.31 | 30 | |
| 1,3-butadiene | 0.9200 | 0.15 | 1 | 0 | 92.0 | 70 | 130 | 0.9 | 2.20 | 30 | |
| 1,3-Dichlorobenzene | 1.120 | 0.15 | 1 | 0 | 112 | 70 | 130 | 1.08 | 3.64 | 30 | |
| 1,4-Dichlorobenzene | 1.160 | 0.15 | 1 | 0 | 116 | 70 | 130 | 1.12 | 3.51 | 30 | |
| 1,4-Dioxane | 0.7700 | 0.30 | 1 | 0 | 77.0 | 70 | 130 | 1.1 | 35.3 | 30 | R |
| 2,2,4-trimethylpentane | 1.240 | 0.15 | 1 | 0 | 124 | 70 | 130 | 1.12 | 10.2 | 30 | |
| 4-ethyltoluene | 1.130 | 0.15 | 1 | 0 | 113 | 70 | 130 | 1.11 | 1.79 | 30 | |
| Acetone | 0.9800 | 0.30 | 1 | 0 | 98.0 | 70 | 130 | 1.04 | 5.94 | 30 | |
| Allyl chloride | 1.070 | 0.15 | 1 | 0 | 107 | 70 | 130 | 1 | 6.76 | 30 | |
| Benzene | 1.150 | 0.15 | 1 | 0 | 115 | 70 | 130 | 1.05 | 9.09 | 30 | |
| Benzyl chloride | 1.020 | 0.15 | 1 | 0 | 102 | 70 | 130 | 1.07 | 4.78 | 30 | |
| Bromodichloromethane | 1.060 | 0.15 | 1 | 0 | 106 | 70 | 130 | 0.94 | 12.0 | 30 | |
| Bromoform | 1.060 | 0.15 | 1 | 0 | 106 | 70 | 130 | 0.96 | 9.90 | 30 | |
| Bromomethane | 0.9100 | 0.15 | 1 | 0 | 91.0 | 70 | 130 | 0.84 | 8.00 | 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: C1801059

Project: 300 Commerce BCP

TestCode: 0.20_NYS

| Sample ID: ALCS1UGD-012318 | | SampType: LCSD | | TestCode: 0.20_NYS | | Units: ppbV | | Prep Date: | | RunNo: 13187 | |
|----------------------------|--------|------------------|-----------|--------------------|------|--------------------------|-----------|---------------|-------|--------------|------|
| Client ID: ZZZZZ | | Batch ID: R13187 | | TestNo: TO-15 | | Analysis Date: 1/24/2018 | | SeqNo: 153171 | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Carbon disulfide | 1.310 | 0.15 | 1 | 0 | 131 | 70 | 130 | 1.32 | 0.760 | 30 | S |
| Carbon tetrachloride | 0.9000 | 0.030 | 1 | 0 | 90.0 | 70 | 130 | 0.79 | 13.0 | 30 | |
| Chlorobenzene | 1.160 | 0.15 | 1 | 0 | 116 | 70 | 130 | 1.07 | 8.07 | 30 | |
| Chloroethane | 0.8700 | 0.15 | 1 | 0 | 87.0 | 70 | 130 | 0.87 | 0 | 30 | |
| Chloroform | 1.020 | 0.15 | 1 | 0 | 102 | 70 | 130 | 0.93 | 9.23 | 30 | |
| Chloromethane | 0.8800 | 0.15 | 1 | 0 | 88.0 | 70 | 130 | 0.87 | 1.14 | 30 | |
| cis-1,2-Dichloroethene | 1.020 | 0.040 | 1 | 0 | 102 | 70 | 130 | 0.93 | 9.23 | 30 | |
| cis-1,3-Dichloropropene | 1.150 | 0.15 | 1 | 0 | 115 | 70 | 130 | 1.05 | 9.09 | 30 | |
| Cyclohexane | 1.270 | 0.15 | 1 | 0 | 127 | 70 | 130 | 1.13 | 11.7 | 30 | |
| Dibromochloromethane | 1.070 | 0.15 | 1 | 0 | 107 | 70 | 130 | 0.96 | 10.8 | 30 | |
| Ethyl acetate | 1.080 | 0.15 | 1 | 0 | 108 | 70 | 130 | 1.11 | 2.74 | 30 | |
| Ethylbenzene | 1.140 | 0.15 | 1 | 0 | 114 | 70 | 130 | 1.08 | 5.41 | 30 | |
| Freon 11 | 0.9200 | 0.15 | 1 | 0 | 92.0 | 70 | 130 | 0.84 | 9.09 | 30 | |
| Freon 113 | 0.9300 | 0.15 | 1 | 0 | 93.0 | 70 | 130 | 0.87 | 6.67 | 30 | |
| Freon 114 | 0.9100 | 0.15 | 1 | 0 | 91.0 | 70 | 130 | 0.89 | 2.22 | 30 | |
| Freon 12 | 0.9500 | 0.15 | 1 | 0 | 95.0 | 70 | 130 | 0.92 | 3.21 | 30 | |
| Heptane | 1.260 | 0.15 | 1 | 0 | 126 | 70 | 130 | 1.12 | 11.8 | 30 | |
| Hexachloro-1,3-butadiene | 0.9100 | 0.15 | 1 | 0 | 91.0 | 70 | 130 | 1 | 9.42 | 30 | |
| Hexane | 1.230 | 0.15 | 1 | 0 | 123 | 70 | 130 | 1.15 | 6.72 | 30 | |
| Isopropyl alcohol | 0.8100 | 0.15 | 1 | 0 | 81.0 | 70 | 130 | 0.88 | 8.28 | 30 | |
| m&p-Xylene | 2.490 | 0.30 | 2 | 0 | 124 | 70 | 130 | 2.32 | 7.07 | 30 | |
| Methyl Butyl Ketone | 0.5300 | 0.30 | 1 | 0 | 53.0 | 70 | 130 | 1.01 | 62.3 | 30 | SR |
| Methyl Ethyl Ketone | 1.010 | 0.30 | 1 | 0 | 101 | 70 | 130 | 1.1 | 8.53 | 30 | |
| Methyl Isobutyl Ketone | 0.6800 | 0.30 | 1 | 0 | 68.0 | 70 | 130 | 1.11 | 48.0 | 30 | SR |
| Methyl tert-butyl ether | 0.9700 | 0.15 | 1 | 0 | 97.0 | 70 | 130 | 0.98 | 1.03 | 30 | |
| Methylene chloride | 1.020 | 0.15 | 1 | 0 | 102 | 70 | 130 | 0.98 | 4.00 | 30 | |
| o-Xylene | 1.270 | 0.15 | 1 | 0 | 127 | 70 | 130 | 1.18 | 7.35 | 30 | |
| Propylene | 1.130 | 0.15 | 1 | 0 | 113 | 70 | 130 | 1.18 | 4.33 | 30 | |
| Styrene | 1.150 | 0.15 | 1 | 0 | 115 | 70 | 130 | 1.12 | 2.64 | 30 | |
| Tetrachloroethylene | 1.110 | 0.15 | 1 | 0 | 111 | 70 | 130 | 0.99 | 11.4 | 30 | |
| Tetrahydrofuran | 1.100 | 0.15 | 1 | 0 | 110 | 70 | 130 | 1.11 | 0.905 | 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: C1801059

Project: 300 Commerce BCP

TestCode: 0.20_NYS

| Sample ID: ALCS1UGD-012318 | SampType: LCSD | TestCode: 0.20_NYS | Units: ppbV | Prep Date: | RunNo: 13187 | | | | | | |
|----------------------------|------------------|--------------------|-------------|--------------------------|---------------|----------|-----------|-------------|------|----------|------|
| Client ID: ZZZZZ | Batch ID: R13187 | TestNo: TO-15 | | Analysis Date: 1/24/2018 | SeqNo: 153171 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Toluene | 1.190 | 0.15 | 1 | 0 | 119 | 70 | 130 | 1.1 | 7.86 | 30 | |
| trans-1,2-Dichloroethene | 1.190 | 0.15 | 1 | 0 | 119 | 70 | 130 | 1.09 | 8.77 | 30 | |
| trans-1,3-Dichloropropene | 1.100 | 0.15 | 1 | 0 | 110 | 70 | 130 | 1 | 9.52 | 30 | |
| Trichloroethene | 0.9700 | 0.030 | 1 | 0 | 97.0 | 70 | 130 | 0.87 | 10.9 | 30 | |
| Vinyl acetate | 1.110 | 0.15 | 1 | 0 | 111 | 70 | 130 | 1.06 | 4.61 | 30 | |
| Vinyl Bromide | 0.9600 | 0.15 | 1 | 0 | 96.0 | 70 | 130 | 0.89 | 7.57 | 30 | |
| Vinyl chloride | 0.8300 | 0.040 | 1 | 0 | 83.0 | 70 | 130 | 0.84 | 1.20 | 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



ANALYTICAL QC SUMMARY REPORT

CLIENT: LaBella Associates, P.C.
 Work Order: CI801059
 Project: 300 Commerce BCP

TestCode: 0.20_NYS

| Sample ID: AMB1UG-012318 | SampType: MBLK | TestCode: 0.20_NYS | Units: ppbV | Prep Date: | RunNo: 13187 | | | | | | |
|---------------------------|------------------|--------------------|-------------|--------------------------|---------------|----------|-----------|-------------|------|----------|------|
| Client ID: ZZZZZ | Batch ID: R13187 | TestNo: TO-15 | | Analysis Date: 1/23/2018 | SeqNo: 153169 | | | | | | |
| 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:
 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: CF801059
 Project: 300 Commerce BCP

TestCode: 0.20_NYS

| | | | | | | | | | | | |
|--------------------------|------------------|--------------------|-------------|--------------------------|---------------|----------|-----------|-------------|------|----------|------|
| Sample ID: AMB1UG-012318 | SampType: MBLK | TestCode: 0.20_NYS | Units: ppbV | Prep Date: | RunNo: 13187 | | | | | | |
| Client ID: ZZZZZ | Batch ID: R13187 | TestNo: TO-15 | | Analysis Date: 1/23/2018 | SeqNo: 153169 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Carbon disulfide | < 0.15 | 0.15 | | | | | | | | | |
| Carbon tetrachloride | < 0.030 | 0.030 | | | | | | | | | |
| Chlorobenzene | < 0.15 | 0.15 | | | | | | | | | |
| Chloroethane | < 0.15 | 0.15 | | | | | | | | | |
| Chloroform | < 0.15 | 0.15 | | | | | | | | | |
| Chloromethane | < 0.15 | 0.15 | | | | | | | | | |
| cis-1,2-Dichloroethene | < 0.040 | 0.040 | | | | | | | | | |
| cis-1,3-Dichloropropene | < 0.15 | 0.15 | | | | | | | | | |
| Cyclohexane | < 0.15 | 0.15 | | | | | | | | | |
| Dibromochloromethane | < 0.15 | 0.15 | | | | | | | | | |
| Ethyl acetate | < 0.15 | 0.15 | | | | | | | | | |
| Ethylbenzene | < 0.15 | 0.15 | | | | | | | | | |
| Freon 11 | < 0.15 | 0.15 | | | | | | | | | |
| Freon 113 | < 0.15 | 0.15 | | | | | | | | | |
| Freon 114 | < 0.15 | 0.15 | | | | | | | | | |
| Freon 12 | < 0.15 | 0.15 | | | | | | | | | |
| Heptane | < 0.15 | 0.15 | | | | | | | | | |
| Hexachloro-1,3-butadiene | < 0.15 | 0.15 | | | | | | | | | |
| Hexane | < 0.15 | 0.15 | | | | | | | | | |
| Isopropyl alcohol | < 0.15 | 0.15 | | | | | | | | | |
| m&p-Xylene | < 0.30 | 0.30 | | | | | | | | | |
| Methyl Butyl Ketone | < 0.30 | 0.30 | | | | | | | | | |
| Methyl Ethyl Ketone | < 0.30 | 0.30 | | | | | | | | | |
| Methyl Isobutyl Ketone | < 0.30 | 0.30 | | | | | | | | | |
| Methyl tert-butyl ether | < 0.15 | 0.15 | | | | | | | | | |
| Methylene chloride | < 0.15 | 0.15 | | | | | | | | | |
| o-Xylene | < 0.15 | 0.15 | | | | | | | | | |
| Propylene | < 0.15 | 0.15 | | | | | | | | | |
| Styrene | < 0.15 | 0.15 | | | | | | | | | |
| Tetrachloroethylene | < 0.15 | 0.15 | | | | | | | | | |
| Tetrahydrofuran | < 0.15 | 0.15 | | | | | | | | | |

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

E Estimated Value above quantitation range
 ND Not Detected at the Limit of Detection

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

CLIENT: LaBella Associates, P.C.

Work Order: C1801059

Project: 300 Commerce BCP

TestCode: 0.20_NYS

| | | | | | | | | | | | |
|--------------------------|------------------|--------------------|-------------|--------------------------|---------------|----------|-----------|-------------|------|----------|------|
| Sample ID: AMB1UG-012318 | SampType: MBLK | TestCode: 0.20_NYS | Units: ppbV | Prep Date: | RunNo: 13187 | | | | | | |
| Client ID: ZZZZZ | Batch ID: R13187 | TestNo: TO-15 | | Analysis Date: 1/23/2018 | SeqNo: 153169 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

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

| | | | | | | | | | | | |
|--------------------------|------------------|--------------------|-------------|--------------------------|---------------|----------|-----------|-------------|------|----------|------|
| Sample ID: AMB1UG-012418 | SampType: MBLK | TestCode: 0.20_NYS | Units: ppbV | Prep Date: | RunNo: 13189 | | | | | | |
| Client ID: ZZZZZ | Batch ID: R13189 | TestNo: TO-15 | | Analysis Date: 1/24/2018 | SeqNo: 153193 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

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

Qualifiers:

- . Results reported are not blank corrected
- 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: C1801059

Project: 300 Commerce BCP

TestCode: 0.20_NYS

| Sample ID: AMB1UG-012418 | SampType: MBLK | TestCode: 0.20_NYS | Units: ppbV | Prep Date: | RunNo: 13189 | | | | | | |
|--------------------------|------------------|--------------------|-------------|--------------------------|---------------|----------|-----------|-------------|------|----------|------|
| Client ID: ZZZZZ | Batch ID: R13189 | TestNo: TO-15 | | Analysis Date: 1/24/2018 | SeqNo: 153193 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Acetone | < 0.30 | 0.30 | | | | | | | | | |
| Allyl chloride | < 0.15 | 0.15 | | | | | | | | | |
| Benzene | < 0.15 | 0.15 | | | | | | | | | |
| Benzyl chloride | < 0.15 | 0.15 | | | | | | | | | |
| Bromodichloromethane | < 0.15 | 0.15 | | | | | | | | | |
| Bromoform | < 0.15 | 0.15 | | | | | | | | | |
| Bromomethane | < 0.15 | 0.15 | | | | | | | | | |
| Carbon disulfide | < 0.15 | 0.15 | | | | | | | | | |
| Carbon tetrachloride | < 0.030 | 0.030 | | | | | | | | | |
| Chlorobenzene | < 0.15 | 0.15 | | | | | | | | | |
| Chloroethane | < 0.15 | 0.15 | | | | | | | | | |
| Chloroform | < 0.15 | 0.15 | | | | | | | | | |
| Chloromethane | < 0.15 | 0.15 | | | | | | | | | |
| cis-1,2-Dichloroethene | < 0.040 | 0.040 | | | | | | | | | |
| cis-1,3-Dichloropropene | < 0.15 | 0.15 | | | | | | | | | |
| Cyclohexane | < 0.15 | 0.15 | | | | | | | | | |
| Dibromochloromethane | < 0.15 | 0.15 | | | | | | | | | |
| Ethyl acetate | < 0.15 | 0.15 | | | | | | | | | |
| Ethylbenzene | < 0.15 | 0.15 | | | | | | | | | |
| Freon 11 | < 0.15 | 0.15 | | | | | | | | | |
| Freon 113 | < 0.15 | 0.15 | | | | | | | | | |
| Freon 114 | < 0.15 | 0.15 | | | | | | | | | |
| Freon 12 | < 0.15 | 0.15 | | | | | | | | | |
| Heptane | < 0.15 | 0.15 | | | | | | | | | |
| Hexachloro-1,3-butadiene | < 0.15 | 0.15 | | | | | | | | | |
| Hexane | < 0.15 | 0.15 | | | | | | | | | |
| Isopropyl alcohol | < 0.15 | 0.15 | | | | | | | | | |
| m&p-Xylene | < 0.30 | 0.30 | | | | | | | | | |
| Methyl Butyl Ketone | < 0.30 | 0.30 | | | | | | | | | |
| Methyl Ethyl Ketone | < 0.30 | 0.30 | | | | | | | | | |
| Methyl Isobutyl Ketone | < 0.30 | 0.30 | | | | | | | | | |

Qualifiers:

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

- E Estimated Value above quantitation range
- ND Not Detected at the Limit of Detection

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

CLIENT: LaBella Associates, P.C.
 Work Order: C1801059
 Project: 300 Commerce BCP

TestCode: 0.20_NYS

| | | | | | | | | | | | |
|---------------------------|------------------|--------------------|-------------|--------------------------|---------------|----------|-----------|-------------|------|----------|------|
| Sample ID: AMB1UG-012418 | SampType: MBLK | TestCode: 0.20_NYS | Units: ppbV | Prep Date: | RunNo: 13189 | | | | | | |
| Client ID: ZZZZZ | Batch ID: R13189 | TestNo: TO-15 | | Analysis Date: 1/24/2018 | SeqNo: 153193 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Methyl tert-butyl ether | < 0.15 | 0.15 | | | | | | | | | |
| Methylene chloride | < 0.15 | 0.15 | | | | | | | | | |
| o-Xylene | < 0.15 | 0.15 | | | | | | | | | |
| Propylene | < 0.15 | 0.15 | | | | | | | | | |
| Styrene | < 0.15 | 0.15 | | | | | | | | | |
| Tetrachloroethylene | < 0.15 | 0.15 | | | | | | | | | |
| Tetrahydrofuran | < 0.15 | 0.15 | | | | | | | | | |
| Toluene | < 0.15 | 0.15 | | | | | | | | | |
| trans-1,2-Dichloroethene | < 0.15 | 0.15 | | | | | | | | | |
| trans-1,3-Dichloropropene | < 0.15 | 0.15 | | | | | | | | | |
| Trichloroethene | < 0.030 | 0.030 | | | | | | | | | |
| Vinyl acetate | < 0.15 | 0.15 | | | | | | | | | |
| Vinyl Bromide | < 0.15 | 0.15 | | | | | | | | | |
| Vinyl chloride | < 0.040 | 0.040 | | | | | | | | | |

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

E Estimated Value above quantitation range
 NID 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: 12-Feb-18

ANALYTICAL QC SUMMARY REPORT

CLIENT: LaBella Associates, P.C.
 Work Order: C1801059
 Project: 300 Commerce BCP

TestCode: 0.20_NYS

| Sample ID: C1801059-001A MS | | SampType: MS | | TestCode: 0.20_NYS | | Units: ppbV | | Prep Date: | | RunNo: 13187 | |
|-----------------------------|---------|------------------|-----------|--------------------|--------|--------------------------|-----------|---------------|------|--------------|------|
| Client ID: 300-IA-01/MSMSD | | Batch ID: R13187 | | TestNo: TO-15 | | Analysis Date: 1/23/2018 | | SeqNo: 153178 | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| 1,1,1-Trichloroethane | 0.8800 | 0.15 | 1 | 0 | 88.0 | 70 | 130 | | | | |
| 1,1,2,2-Tetrachloroethane | 1.010 | 0.15 | 1 | 0 | 101 | 70 | 130 | | | | |
| 1,1,2-Trichloroethane | 1.020 | 0.15 | 1 | 0 | 102 | 70 | 130 | | | | |
| 1,1-Dichloroethane | 1.030 | 0.15 | 1 | 0 | 103 | 70 | 130 | | | | |
| 1,1-Dichloroethene | 0.7900 | 0.040 | 1 | 0 | 79.0 | 70 | 130 | | | | |
| 1,2,4-Trichlorobenzene | 1.390 | 0.15 | 1 | 0 | 139 | 70 | 130 | | | | S |
| 1,2,4-Trimethylbenzene | 1.340 | 0.15 | 1 | 0.14 | 120 | 70 | 130 | | | | |
| 1,2-Dibromoethane | 1.020 | 0.15 | 1 | 0 | 102 | 70 | 130 | | | | |
| 1,2-Dichlorobenzene | 1.030 | 0.15 | 1 | 0 | 103 | 70 | 130 | | | | |
| 1,2-Dichloroethane | 1.000 | 0.15 | 1 | 0 | 100 | 70 | 130 | | | | |
| 1,2-Dichloropropane | 1.090 | 0.15 | 1 | 0 | 109 | 70 | 130 | | | | |
| 1,3,5-Trimethylbenzene | 1.490 | 0.15 | 1 | 0 | 149 | 70 | 130 | | | | S |
| 1,3-butadiene | 1.130 | 0.15 | 1 | 0 | 113 | 70 | 130 | | | | |
| 1,3-Dichlorobenzene | 1.080 | 0.15 | 1 | 0 | 108 | 70 | 130 | | | | |
| 1,4-Dichlorobenzene | 1.020 | 0.15 | 1 | 0 | 102 | 70 | 130 | | | | |
| 1,4-Dioxane | 1.060 | 0.30 | 1 | 0 | 106 | 70 | 130 | | | | |
| 2,2,4-trimethylpentane | 1.130 | 0.15 | 1 | 0 | 113 | 70 | 130 | | | | |
| 4-ethyltoluene | 1.120 | 0.15 | 1 | 0 | 112 | 70 | 130 | | | | |
| Acetone | 16.31 ✓ | 0.30 | 1 ✓ | 17.66 | -135 ✓ | 70 | 130 | | | | S |
| Allyl chloride | 1.110 | 0.15 | 1 | 0 | 111 | 70 | 130 | | | | |
| Benzene | 1.350 | 0.15 | 1 | 0.28 | 107 | 70 | 130 | | | | |
| Benzyl chloride | 0.9900 | 0.15 | 1 | 0 | 99.0 | 70 | 130 | | | | |
| Bromodichloromethane | 0.9300 | 0.15 | 1 | 0 | 93.0 | 70 | 130 | | | | |
| Bromoform | 0.8300 | 0.15 | 1 | 0 | 83.0 | 70 | 130 | | | | |
| Bromomethane | 0.8700 | 0.15 | 1 | 0 | 87.0 | 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: C1801059
 Project: 300 Commerce BCP

TestCode: 0.20_NYS

| Sample ID: C1801059-001A MS | | SampType: MS | | TestCode: 0.20_NYS | | Units: ppbV | | Prep Date: | | RunNo: 13187 | |
|-----------------------------|---------|------------------|-----------|--------------------|---------|--------------------------|-----------|---------------|------|--------------|------|
| Client ID: 300-1A-01/MSMSD | | Batch ID: R13187 | | TestNo: TO-15 | | Analysis Date: 1/23/2018 | | SeqNo: 153178 | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Carbon disulfide | 1.260 | 0.15 | 1 | 0 | 126 | 70 | 130 | | | | |
| Carbon tetrachloride | 0.8400 | 0.030 | 1 | 0.07 | 77.0 | 70 | 130 | | | | |
| Chlorobenzene | 1.010 | 0.15 | 1 | 0 | 101 | 70 | 130 | | | | |
| Chloroethane | 0.8700 | 0.15 | 1 | 0 | 87.0 | 70 | 130 | | | | |
| Chloroform | 1.000 | 0.15 | 1 | 0 | 100 | 70 | 130 | | | | |
| Chloromethane | 1.540 | 0.15 | 1 | 0.48 | 106 | 70 | 130 | | | | |
| cis-1,2-Dichloroethene | 0.9700 | 0.040 | 1 | 0 | 97.0 | 70 | 130 | | | | |
| cis-1,3-Dichloropropane | 1.010 | 0.15 | 1 | 0 | 101 | 70 | 130 | | | | |
| Cyclohexane | 1.890 | 0.15 | 1 | 0.8 | 109 | 70 | 130 | | | | |
| Dibromochloromethane | 0.8900 | 0.15 | 1 | 0 | 89.0 | 70 | 130 | | | | |
| Ethyl acetate | 1.430 | 0.15 | 1 | 0.48 | 95.0 | 70 | 130 | | | | |
| Ethylbenzene | 1.100 | 0.15 | 1 | 0 | 110 | 70 | 130 | | | | |
| Freon 11 | 1.000 | 0.15 | 1 | 0.2 | 80.0 | 70 | 130 | | | | |
| Freon 113 | 0.9100 | 0.15 | 1 | 0 | 91.0 | 70 | 130 | | | | |
| Freon 114 | 0.8700 | 0.15 | 1 | 0 | 87.0 | 70 | 130 | | | | |
| Freon 12 | 1.230 | 0.15 | 1 | 0.47 | 76.0 | 70 | 130 | | | | |
| Heptane | 1.370 | 0.15 | 1 | 0.15 | 122 | 70 | 130 | | | | |
| Hexachloro-1,3-butadiene | 0.9800 | 0.15 | 1 | 0 | 98.0 | 70 | 130 | | | | |
| Hexane | 1.400 | 0.15 | 1 | 0.22 | 118 | 70 | 130 | | | | |
| Isopropyl alcohol | 92.54 ✓ | 0.15 | 1 ✓ | 108.4 | -1590 ✓ | 70 | 130 | | | | S |
| m&p-Xylene | 2.280 | 0.30 | 2 | 0.15 | 106 | 70 | 130 | | | | |
| Methyl Butyl Ketone | 0.8900 | 0.30 | 1 | 0 | 89.0 | 70 | 130 | | | | |
| Methyl Ethyl Ketone | 1.610 | 0.30 | 1 | 0.72 | 89.0 | 70 | 130 | | | | |
| Methyl Isobutyl Ketone | 1.020 | 0.30 | 1 | 0 | 102 | 70 | 130 | | | | |
| Methyl tert-butyl ether | 0.9200 | 0.15 | 1 | 0 | 92.0 | 70 | 130 | | | | |
| Methylene chloride | 2.780 | 0.15 | 1 | 1.12 | 166 | 70 | 130 | | | | S |
| o-Xylene | 1.110 | 0.15 | 1 | 0 | 111 | 70 | 130 | | | | |
| Propylene | 2.390 | 0.15 | 1 | 0 | 239 | 70 | 130 | | | | S |
| Styrene | 1.150 | 0.15 | 1 | 0.1 | 105 | 70 | 130 | | | | |
| Tetrachloroethylene | 0.9800 | 0.15 | 1 | 0 | 98.0 | 70 | 130 | | | | |
| Tetrahydrofuran | 1.080 | 0.15 | 1 | 0 | 108 | 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: C1801059

Project: 300 Commerce BCP

TestCode: 0.20_NYS

| | | | | | | | | | | | |
|-----------------------------|------------------|--------------------|-------------|--------------------------|---------------|----------|-----------|-------------|------|----------|------|
| Sample ID: C1801059-001A MS | SampType: MS | TestCode: 0.20_NYS | Units: ppbV | Prep Date: | RunNo: 13187 | | | | | | |
| Client ID: 300-IA-01/MSMSD | Batch ID: R13187 | TestNo: TO-15 | | Analysis Date: 1/23/2018 | SeqNo: 153178 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Toluene | 2.490 | 0.15 | 1 | 1.39 | 110 | 70 | 130 | | | | |
| trans-1,2-Dichloroethene | 1.120 | 0.15 | 1 | 0 | 112 | 70 | 130 | | | | |
| trans-1,3-Dichloropropene | 0.9800 | 0.15 | 1 | 0 | 98.0 | 70 | 130 | | | | |
| Trichloroethene | 0.9000 | 0.030 | 1 | 0 | 90.0 | 70 | 130 | | | | |
| Vinyl acetate | 1.070 | 0.15 | 1 | 0 | 107 | 70 | 130 | | | | |
| Vinyl Bromide | 0.9300 | 0.15 | 1 | 0 | 93.0 | 70 | 130 | | | | |
| Vinyl chloride | 0.8300 | 0.040 | 1 | 0 | 83.0 | 70 | 130 | | | | |

| Sample ID: C1801059-001A MS | SampType: MSD | TestCode: 0.20_NYS | Units: ppbV | Prep Date: | RunNo: 13187 | | | | | | |
|-----------------------------|------------------|--------------------|-------------|--------------------------|---------------|----------|-----------|-------------|-------|----------|------|
| Client ID: 300-IA-01/MSMSD | Batch ID: R13187 | TestNo: TO-15 | | Analysis Date: 1/23/2018 | SeqNo: 153179 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| 1,1,1-Trichloroethane | 0.8900 | 0.15 | 1 | 0 | 89.0 | 70 | 130 | 0.88 | 1.13 | 30 | |
| 1,1,2,2-Tetrachloroethane | 1.040 | 0.15 | 1 | 0 | 104 | 70 | 130 | 1.01 | 2.93 | 30 | |
| 1,1,2-Trichloroethane | 0.9900 | 0.15 | 1 | 0 | 99.0 | 70 | 130 | 1.02 | 2.99 | 30 | |
| 1,1-Dichloroethane | 1.010 | 0.15 | 1 | 0 | 101 | 70 | 130 | 1.03 | 1.96 | 30 | |
| 1,1-Dichloroethene | 0.8200 | 0.040 | 1 | 0 | 82.0 | 70 | 130 | 0.79 | 3.73 | 30 | |
| 1,2,4-Trichlorobenzene | 1.320 | 0.15 | 1 | 0 | 132 | 70 | 130 | 1.39 | 5.17 | 30 | S |
| 1,2,4-Trimethylbenzene | 1.290 | 0.15 | 1 | 0.14 | 115 | 70 | 130 | 1.34 | 3.80 | 30 | |
| 1,2-Dibromoethane | 1.010 | 0.15 | 1 | 0 | 101 | 70 | 130 | 1.02 | 0.985 | 30 | |
| 1,2-Dichlorobenzene | 1.080 | 0.15 | 1 | 0 | 108 | 70 | 130 | 1.03 | 4.74 | 30 | |
| 1,2-Dichloroethane | 0.9500 | 0.15 | 1 | 0 | 95.0 | 70 | 130 | 1 | 5.13 | 30 | |
| 1,2-Dichloropropane | 1.070 | 0.15 | 1 | 0 | 107 | 70 | 130 | 1.09 | 1.85 | 30 | |
| 1,3,5-Trimethylbenzene | 1.380 | 0.15 | 1 | 0 | 138 | 70 | 130 | 1.49 | 7.67 | 30 | S |
| 1,3-butadiene | 1.030 | 0.15 | 1 | 0 | 103 | 70 | 130 | 1.13 | 9.26 | 30 | |
| 1,3-Dichlorobenzene | 1.100 | 0.15 | 1 | 0 | 110 | 70 | 130 | 1.08 | 1.83 | 30 | |
| 1,4-Dichlorobenzene | 1.050 | 0.15 | 1 | 0 | 105 | 70 | 130 | 1.02 | 2.90 | 30 | |
| 1,4-Dioxane | 1.010 | 0.30 | 1 | 0 | 101 | 70 | 130 | 1.06 | 4.83 | 30 | |
| 2,2,4-trimethylpentane | 1.130 | 0.15 | 1 | 0 | 113 | 70 | 130 | 1.13 | 0 | 30 | |
| 4-ethyltoluene | 1.140 | 0.15 | 1 | 0 | 114 | 70 | 130 | 1.12 | 1.77 | 30 | |

Qualifiers: . Results reported are not blank corrected
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 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: C1801059

Project: 300 Commerce BCP

TestCode: 0.20_NYS

| Sample ID: C1801059-001A MS | | SampType: MSD | | TestCode: 0.20_NYS | | Units: ppbV | | Prep Date: | | RunNo: 13187 | |
|-----------------------------|---------|------------------|-----------|--------------------|---------|--------------------------|-----------|---------------|-------|--------------|------|
| Client ID: 300-IA-01/MSMSD | | Batch ID: R13187 | | TestNo: TO-15 | | Analysis Date: 1/23/2018 | | SeqNo: 153179 | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Acetone | 12.32 ✓ | 0.30 | 1 ✓ | 17.66 | -534 ✓ | 70 | 130 | 16.31 | 27.9 | 30 | S |
| Allyl chloride | 1.100 | 0.15 | 1 | 0 | 110 | 70 | 130 | 1.11 | 0.905 | 30 | |
| Benzene | 1.290 | 0.15 | 1 | 0.28 | 101 | 70 | 130 | 1.35 | 4.55 | 30 | |
| Benzyl chloride | 1.030 | 0.15 | 1 | 0 | 103 | 70 | 130 | 0.99 | 3.96 | 30 | |
| Bromodichloromethane | 0.9200 | 0.15 | 1 | 0 | 92.0 | 70 | 130 | 0.93 | 1.08 | 30 | |
| Bromoform | 0.8400 | 0.15 | 1 | 0 | 84.0 | 70 | 130 | 0.83 | 1.20 | 30 | |
| Bromomethane | 0.8700 | 0.15 | 1 | 0 | 87.0 | 70 | 130 | 0.87 | 0 | 30 | |
| Carbon disulfide | 1.250 | 0.15 | 1 | 0 | 125 | 70 | 130 | 1.26 | 0.797 | 30 | |
| Carbon tetrachloride | 0.8200 | 0.030 | 1 | 0.07 | 75.0 | 70 | 130 | 0.84 | 2.41 | 30 | |
| Chlorobenzene | 1.000 | 0.15 | 1 | 0 | 100 | 70 | 130 | 1.01 | 0.995 | 30 | |
| Chloroethane | 0.8700 | 0.15 | 1 | 0 | 87.0 | 70 | 130 | 0.87 | 0 | 30 | |
| Chloroform | 0.9600 | 0.15 | 1 | 0 | 96.0 | 70 | 130 | 1 | 4.08 | 30 | |
| Chloromethane | 1.340 | 0.15 | 1 | 0.48 | 86.0 | 70 | 130 | 1.54 | 13.9 | 30 | |
| cis-1,2-Dichloroethene | 0.9600 | 0.040 | 1 | 0 | 96.0 | 70 | 130 | 0.97 | 1.04 | 30 | |
| cis-1,3-Dichloropropene | 1.000 | 0.15 | 1 | 0 | 100 | 70 | 130 | 1.01 | 0.995 | 30 | |
| Cyclohexane | 1.650 | 0.15 | 1 | 0.8 | 85.0 | 70 | 130 | 1.89 | 13.6 | 30 | |
| Dibromochloromethane | 0.8900 | 0.15 | 1 | 0 | 89.0 | 70 | 130 | 0.89 | 0 | 30 | |
| Ethyl acetate | 1.300 | 0.15 | 1 | 0.48 | 82.0 | 70 | 130 | 1.43 | 9.52 | 30 | |
| Ethylbenzene | 1.080 | 0.15 | 1 | 0 | 108 | 70 | 130 | 1.1 | 1.83 | 30 | |
| Freon 11 | 0.9200 | 0.15 | 1 | 0.2 | 72.0 | 70 | 130 | 1 | 8.33 | 30 | |
| Freon 113 | 0.9100 | 0.15 | 1 | 0 | 91.0 | 70 | 130 | 0.91 | 0 | 30 | |
| Freon 114 | 0.8500 | 0.15 | 1 | 0 | 85.0 | 70 | 130 | 0.87 | 2.33 | 30 | |
| Freon 12 | 1.190 | 0.15 | 1 | 0.47 | 72.0 | 70 | 130 | 1.23 | 3.31 | 30 | |
| Heptane | 1.300 | 0.15 | 1 | 0.15 | 115 | 70 | 130 | 1.37 | 5.24 | 30 | |
| Hexachloro-1,3-butadiene | 0.9800 | 0.15 | 1 | 0 | 98.0 | 70 | 130 | 0.98 | 0 | 30 | |
| Hexane | 1.340 | 0.15 | 1 | 0.22 | 112 | 70 | 130 | 1.4 | 4.38 | 30 | |
| Isopropyl alcohol | 64.40 ✓ | 0.15 | 1 ✓ | 108.4 | -4400 ✓ | 70 | 130 | 92.54 | 35.9 | 30 | SR |
| m&p-Xylene | 2.220 | 0.30 | 2 | 0.15 | 104 | 70 | 130 | 2.28 | 2.67 | 30 | |
| Methyl Butyl Ketone | 0.8600 | 0.30 | 1 | 0 | 86.0 | 70 | 130 | 0.89 | 3.43 | 30 | |
| Methyl Ethyl Ketone | 1.460 | 0.30 | 1 | 0.72 | 74.0 | 70 | 130 | 1.61 | 9.77 | 30 | |
| Methyl Isobutyl Ketone | 0.9600 | 0.30 | 1 | 0 | 96.0 | 70 | 130 | 1.02 | 6.06 | 30 | |

Qualifiers:

- R 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

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

CLIENT: LaBella Associates, P.C.
 Work Order: C1801059
 Project: 300 Commerce BCP

TestCode: 0.20_NYS

| Sample ID: C1801059-001A MS | | SampType: MSD | TestCode: 0.20_NYS | | Units: ppbV | Prep Date: | | RunNo: 13187 | | | |
|-----------------------------|--------|------------------|--------------------|-------------|-------------|--------------------------|-----------|---------------|-------|----------|------|
| Client ID: 300-IA-01/MSMSD | | Batch ID: R13187 | TestNo: TO-15 | | | Analysis Date: 1/23/2018 | | SeqNo: 153179 | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Methyl tert-butyl ether | 0.8900 | 0.15 | 1 | 0 | 89.0 | 70 | 130 | 0.92 | 3.31 | 30 | |
| Methylene chloride | 3.180 | 0.15 | 1 | 1.12 | 206 | 70 | 130 | 2.78 | 13.4 | 30 | S |
| o-Xylene | 1.100 | 0.15 | 1 | 0 | 110 | 70 | 130 | 1.11 | 0.905 | 30 | |
| Propylene | 2.100 | 0.15 | 1 | 0 | 210 | 70 | 130 | 2.39 | 12.9 | 30 | S |
| Styrene | 1.120 | 0.15 | 1 | 0.1 | 102 | 70 | 130 | 1.15 | 2.64 | 30 | |
| Tetrachloroethylene | 0.9800 | 0.15 | 1 | 0 | 98.0 | 70 | 130 | 0.98 | 0 | 30 | |
| Tetrahydrofuran | 1.050 | 0.15 | 1 | 0 | 105 | 70 | 130 | 1.08 | 2.82 | 30 | |
| Toluene | 2.040 | 0.15 | 1 | 1.39 | 65.0 | 70 | 130 | 2.49 | 19.9 | 30 | S |
| trans-1,2-Dichloroethene | 1.070 | 0.15 | 1 | 0 | 107 | 70 | 130 | 1.12 | 4.57 | 30 | |
| trans-1,3-Dichloropropene | 0.9900 | 0.15 | 1 | 0 | 99.0 | 70 | 130 | 0.98 | 1.02 | 30 | |
| Trichloroethene | 0.8800 | 0.030 | 1 | 0 | 88.0 | 70 | 130 | 0.9 | 2.25 | 30 | |
| Vinyl acetate | 1.080 | 0.15 | 1 | 0 | 108 | 70 | 130 | 1.07 | 0.930 | 30 | |
| Vinyl Bromide | 0.9200 | 0.15 | 1 | 0 | 92.0 | 70 | 130 | 0.93 | 1.08 | 30 | |
| Vinyl chloride | 0.8400 | 0.040 | 1 | 0 | 84.0 | 70 | 130 | 0.83 | 1.20 | 30 | |

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