PERIODIC REVIEW REPORT ROCHESTER TECHNOLOGY PARK, LOT K, BUILDING 4 – SITE NO. V00575-8

ELMGROVE ROAD AT RT. 531 AND BUFFALO ROAD
TOWN OF GATES, MONROE COUNTY, NEW YORK

Stantec

Prepared for:
New York State Department of Environmental Conservation
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1.0 INTRODUCTION AND OVERVIEW

Stantec Consulting Services Inc. (Stantec) has prepared this Periodic Review Report (PRR) and completed the attached Institutional Control/Engineering Control (IC/EC) Certification Form (see Appendix A) to summarize site management plan activities at Rochester Technology Park, Lot K, Building 4 Site (Site) for the period May 10, 2023 to May 10, 2024.

This PRR is prepared on behalf of Tech Park Owner LLC (TPO), the current owner of the Site, to fulfill the PRR requirements of the Amended Voluntary Cleanup Agreement (VCA) executed by the former owner of the Site, Continental Industrial Capital LLC, as part of the Voluntary Cleanup Program (VCP) of the New York State Department of Environmental Conservation (Department). The Site is identified by the Department as VCA Site No. V00575-8.

The Site is located in the Town of Gates, Monroe County, New York on the west side of Elmgrove Road between Rt. 531 and Buffalo Road. A Site Location Map is presented on Figure 1.

1.1 SUMMARY OF SITE CONTAMINATION AND REMEDIAL HISTORY

Eastman Kodak Company (Kodak) historically manufactured and assembled components for camera and copier products in Building 4 at the Site. Environmental impacts from those manufacturing operations were delineated by Haley & Aldrich on behalf of Kodak during a Remedial Investigation (RI) of the Site. Haley & Aldrich found chlorinated volatile organic compounds (VOCs) at the Site in the subsurface soil, groundwater, and indoor air, and in the sub-slab soil vapor beneath the building slab. The presence of the chlorinated VOCs was reported to be related to the past use of chlorinated solvents in degreasing activities conducted in Areas 1 and 2 of Building 4 during the time when it was used by Kodak.

The Site was remediated in accordance with the Department-approved: the May 2009 Interim Remedial Measures (IRM) Work Plan, the July 2010 Supplemental IRM Work Plan, the January 2011 Supplement Sub-Slab Depressurization System (SSDS) IRM Design, the March 2011 Post-Installation SVI Sampling Plan, the September 2011 Operations, Maintenance and Monitoring Plan Building 4 (Areas 1, 1A, 2 and 2A) and Building 3A (Area 3) (the “SSDS OM&M Plan”), and the December 2011 Remedial Action Work Plan Operable Unit #1 - Building 4 Study Area (collectively, the “Remedy”). The Department approved the IRM Construction Completion Report dated Sept. 2011, for Building 4 (Areas 1, 1A, 2 and 2A) and Building 3A, on Sept. 27, 2011. The Site Management Plan dated April 2013 (SMP) was approved by the Department on April 24, 2013. Since then, TPO has implemented the Department-approved SMP for the long-term management of remaining contamination at the Site.

As part of the Remedy, TPO placed a Declaration of Covenants and Restrictions dated March 18, 2013 on the Site (Deed Restrictions) as an institutional control. The Deed Restrictions restrict land use to commercial/industrial uses, prohibit the use of groundwater except with permission of the Department and the New York State Department of Health (NYSDOH), and require compliance with the SMP to prevent

future exposure to any of the remaining contaminants of concern (COCs), including the following chlorinated VOCs: trichloroethene (TCE), tetrachloroethene (PCE), 1,1,1-trichloroethane (1,1,1-TCA), 1,1-dichloroethene (1,1-DCE), and 1,1-dichloroethane (1,1-DCA).

Because the concentrations of COCs detected in soil samples collected during the RI were more than an order of magnitude less than the corresponding Commercial/Industrial Use Soil Cleanup Objectives set forth at 6 NYCRR 375-6.8(b) (CSCOs), soil conditions were determined to be protective of public health and the environment for the current, intended, and reasonably anticipated future commercial/industrial use of the Site. Moreover, the impacted soils beneath Building 4 are covered by its concrete floors, which are at least six inches thick.

A minor amount of potentially impacted soil was removed and properly disposed off-site with the installation of the SSDSs. Also, in 2014, and in compliance with the SMP, a minor amount of potentially impacted soil was removed during the small excavations required for a new tenant, Mercury Print Productions, Inc. (Mercury). No large-scale excavations of soils potentially containing chlorinated VOCs have taken place.

During the 2014 reporting period, the intrusive work for Mercury that disturbed the building slab was completed in the northwest quadrant of RTP Building 4. Construction activities that resulted in disturbance to the building slab included: replacing the slab beneath new pieces of machinery in the pressroom area of the new tenant's space; and the construction of four loading docks along the northwestern wall of the building. The soil and concrete from the pressroom and loading dock excavations were moved to the exterior of Building 9 and staged on poly in preparation for reuse in the basement of Building 9. Pursuant to the SMP, these stockpiles were covered with poly and reinforced plastic tarps, and then weighted down with large stones and cinder blocks. Subsequently, additional actions were taken to secure the tarps, including the use of tires, ropes and other soil to hold them in place over the stockpiles. These stockpiles remained in place until December 11, 2020 when they were relocated to the basement of RTP Building 9 and used as fill.

Groundwater extraction and ex-situ treatment are achieved through the continued operation of the basement sump pump EW-A5 located in the northeast corner of Building 4. The groundwater extraction is occurring coincident with the continued operation of the existing basement sump pump to maintain a dry basement. The groundwater collected in the sump will continue to be pumped to the sanitary sewer system for off-site ex-situ treatment at a publicly owned treatment works (POTW) pursuant to TPO's sewer use permit.

The SSDSs installed as part of the remedy are located in the northeast corner (Area 2) and central (Area 1) portions of Building 4. Expansions of the SSDSs were installed in the northwest (Area 2A) and southeast (Area 1A) portions of Building 4 and in the adjoining Building 3A (Area 3). The SSDSs prevent vapor migration into the building by reducing the air pressure beneath the slab. Vapor is drawn from below the building's floor slab and vented through pipes to the atmosphere above the building. After installation and initial operation of the Area 1 and Area 2 SSDSs, sampling of sub-slab soil vapor, indoor air, and ambient air was conducted to characterize conditions within and beyond the perimeter of the two Areas, including in Buildings 3 and 3A. Based on the results of that air monitoring, an additional 10

extraction points and three fans were installed to address Areas 1A, 2A, and Building 3A. After installation and start-up of the expansion SSDSs in Areas 1A, 2A, and Building 3A, the effectiveness of the SSDSs was demonstrated. Thereafter, periodic maintenance and performance monitoring of the operating SSDSs has been and is being performed as an engineering control.

Maintaining and operating the SSDSs, maintaining and operating the basement sump pump and maintaining the floor slab as an existing cover system are the engineering controls for the Site.

1.2 SITE MANAGEMENT REQUIREMENTS

Site management activities were implemented in accordance with the SMP for the Site. The SMP includes the following required Institutional Controls (ICs) and Engineering Controls (ECs):

- Use of the Site for commercial and industrial purposes is allowed as long as the following long-term controls are employed:
    - SSDSs are operated continuously in Building 4 to mitigate the potential for soil vapor intrusion (SVI).
    - Operation of the basement sump pump to pump groundwater containing chlorinated VOCs to the sanitary sewer for treatment at an approved POTW (groundwater extraction and ex-situ treatment).
    - Impervious surfaces covering specific areas of the Site (building floor slabs) are maintained.
    - Department approval must be obtained in advance for activities which breach impervious surfaces or disturb soils in those same areas of the Site, and those activities must be performed in accordance with the SMP.
    - Groundwater extraction at the Controlled Property for potable or non-potable water purposes is prohibited without treatment, as appropriate, and without obtaining written approval from the Department, and NYSDOH or Monroe County DOH. Removal of groundwater from the Controlled Property for construction dewatering is permitted with proper controls for handling and disposal.
- The Site may not be used for purposes with a higher level of use than the commercial and industrial purposes as described above.
- Deed Restrictions have been implemented to restrict land use to commercial/industrial uses, restrict the use of groundwater, and prevent future exposure to any COCs remaining at the Site.
- Annually (or as otherwise directed by the Department), TPO must certify to the Department as to the continued presence and effectiveness of the ICs/ECs described above.

Per the SMP, the SSDS OM&M Plan for the Site specifies a program of maintenance activities and provides for monthly system performance monitoring of the SSDSs. The employees of TPO (owner's employees) perform routine maintenance and monitoring weekly, including:

- Verifying normal system operating conditions and making observations of any abnormalities, whether visual, olfactory or auditory, with respect to the SSDSs;
- Recording of vacuum levels at fan manometers located in Area-specific enclosures; and
- Draining and measuring of collected system condensate and containerizing the drained condensate in an on-Site drum.

The employees of TPO also regularly check the 1" condensate lines located along the building columns for condensate.

Data is recorded on the Weekly/Monthly Monitoring Form provided in Appendix A of the SMP and is included in Table 1.

1.3 EFFECTIVENESS OF THE REMEDIAL PROGRAM

1.3.1 Groundwater Sampling

During the reporting period covered by this PRR, two groundwater sampling events were completed: one annual event (July 2023) and one semi-annual event (January 2024). As per the SMP, the following wells were sampled during the semi-annual event: MW-203, MW-205, and PDW-110. For the annual event, MW-203, MW-205, MW-208, MW-212, MW-213, PDW-109, PDW-110 were sampled.

Analytical results from these two events are included in Table 2. Figures 4, 5, and 6 show concentrations of select chlorinated VOCs at MW-203, MW-205, and PDW-110 over time. Analytical laboratory reports are provided in Appendix B. Field forms are included in Appendix E.

The wells were also gauged during the July annual event in order to confirm the direction of groundwater flow (see Table 3). Using this data, a groundwater contour map was prepared and is included as Figure 3. The previous groundwater contour maps are provided in Appendix D for comparison. Groundwater continues to generally flow from the northwest corner of the building in a southeast direction. Because the water elevation in the basement sump continues to be higher than nearby wells, the sump likely continues to exert some hydraulic control of the groundwater in the bedrock beneath the basement area similar to that in 2006, 2014, 2015, and 2017 through 2022.

For the annual groundwater sampling event, MW-203, MW-208, and PDW-110 were collected on 7/25/2023 and stored in a refrigerator overnight. Wells MW-205, MW-212, MW-213, and PDW-109 were sampled on 7/26/2023, placed into a cooler with ice along with the samples collected on 7/25/23 and then subsequently transported to the laboratory. However, all of the annual groundwater samples collected in July 2023 were received by the laboratory at a temperature of 15.8°C, which is outside of the acceptance criteria of 4°C ± 2°C and the sample receipt form indicated ice only being present at the top of the cooler.

Sample PDW-109, if non-detect upon validation, was no longer going to be sampled. Based on the validation, the results for PDW-109 were considered questionable and therefore it was decided to resample PDW-109 on June 4, 2024. The other wells associated with the elevated temperature were consistent with historical data and therefore during validation were qualified “J “ as estimated and will be sampled as part of the upcoming July 2024 annual sampling event.

MW-203. The results of the groundwater sampling events indicate that total chlorinated VOCs in groundwater at MW-203, located beneath the floor slab of Building 4 near the basement sump, decreased between January 2023 and July 2023 from 2,007 ug/L (1,700 ug/L reanalysis) to 944.5 J ug/L (855 J ug/L reanalysis); however, the total chlorinated VOC concentration increased in January 2024 to 1,300 ug/L. This reflects a winter/summer dynamic in which the greatest concentration of chlorinated VOCs has typically been detected during the winter sampling and is similar to, but somewhat lower than, prior sampling events. Overall concentrations of total chlorinated VOCs have been steadily decreasing since the highest peak in January 2015. Concentrations of chlorinated VOCs in 2024 were 1,300 ug/L following an increase between winter 2022 (1,190 ug/L) and winter 2023 (2,007 ug/L). The total chlorinated VOC concentrations are primarily attributable to TCE concentrations (see Figure 4). Concentrations of cis -1,2-Dichloroethene (cis-1,2-DCE), trans-1,2-Dichloroethene (trans-1,2-DCE), were detected in the July 2023 event, but not in the January 2024 event. Furthermore, 1,1-Dichloroethane (1,1-DCA) was detected in the initial July 2023 (22 ug/L) event, but not the reanalysis of the July 2023 sample or the January 2024 sample.

MW-205. In addition to TCE, both cis-1,2-DCE and trans-1,2-DCE were identified at MW-205, located beneath the floor slab of Building 4 near the basement sump, at concentrations above laboratory detection limits during the July 2023 sampling event. However, these compounds were not detected above the laboratory detection limits in the January 2024 sampling event. The concentration of TCE decreased between the January 2023 (1,700 E ug/L / 1,600 D ug/L reanalysis) and July 2023 (1,100 J ug/L) events. The concentration of TCE further decreased to 630 ug/L in the January 2024 sampling event (see Figure 5).

PDW-110. In general, historical analytical results from samples collected at PDW-110, located beneath the floor slab of Building 4 near the basement sump to the east of MW-205, show an increase in chlorinated VOC concentrations during the semi-annual events (winter) compared to the annual (summer) sampling events (see Figure 6) except for the 2015 and 2020 reporting periods. For this reporting period (2023-2024), concentrations decreased from 3,146 ug/L (2,700 ug/L reanalysis) in January 2023 to 1,987.5 J ug/L (1,400 J ug/L reanalysis) in July 2023. In January 2024, chlorinated VOC concentrations atypically decreased further to 1,200 ug/L. While concentrations of 1,1- DCA (45 ug/L), 1,1-Dichloroethene (8.5 ug/L), cis-1,2-DCE (56 ug/L), and trans-1,2-DCE (78 ug/L) were detected in the initial analysis in the July 2023 sample, they were not detected in the July 2023 reanalysis or January 2024 sample.

During the annual groundwater sampling event, MW-208, MW-212, MW-213 and PDW-109 were also sampled in addition to the semi-annual wells discussed above.

MW-208. Concentrations of TCE in MW-208, located beneath the floor slab of Building 4 down- and cross- gradient from the basement sump, have demonstrated slight variability from year-to-year. Since 2014, TCE was only detected in July 2018 (5.6 ug/L), July 2020 (5.7 ug/L), July 2021 (9.0 ug/L, and July 2023 (7.6 J ug/L), only slightly above the laboratory reporting limit of 5.0 ug/L. TCE was not detected in the July 2023 sampling event.

MW-212. Although VOC concentrations have not been detected above laboratory reporting limits in MW-212 since 2014, TCE (6.8 J ug/L) was detected in MW-212 in the July 2023 sampling event.

MW-213. Since 2014, no VOCs have been detected in MW-213 except for TCE in July 2015 (5.9 ug/L/6.0 ug/L duplicate). VOCs were not detected in MW-213 in July 2023.

PDW-109. Since 2014, no VOCs have been detected in PDW-109 in any of the sampling events. Note, PDW-109 was found to be dry in July 2022. Thus, it was recommended that sampling of PDW-109 be discontinued. Following data validation, in accordance with the SMP, which was conducted on a sample collected in June 4, 2024 (as a resample to the July 2023 annual sampling event), Stantec continues to recommend that sampling of PDW-109 be discontinued. A copy of the data usability report (DUSR) is provided in Appendix C.

Together, the results from MW-208, MW-212 and MW-213, indicate that the plume is generally stable beneath Building 4. VOC concentrations detected in MW-208 and MW-212 are consistent with concentrations detected in previous years.

Table 4 displays water quality parameters recorded during the two groundwater sampling events that occurred during this reporting period. Monitoring of field parameters at the wells sampled during both events indicates low dissolved oxygen (DO < 4.0 mg/L) and/or reducing conditions (negative ORP) exist within most of the subsurface area of the Site; except MW-205 and PDW-110 in January 2024. MW-205 had both a higher DO (5.38 mg/L) and positive ORP (99.3 mV). PDW-110 also had both a higher DO (6.78 mg/L) and positive ORP (74.0 mV).

1.3.2 Sub-Slab Depressurization System Monitoring

Per the SMP, two SSDS performance monitoring events were conducted during this reporting period. An initial SSDS monitoring event was conducted over the course of July 25-27, 2023. The second monitoring event was conducted over the course of January 22, 2024.

SSDS monitoring was conducted to assess the influence of the SSDSs in Areas 1, 1A, 2, 2A and 3A both on-site within Building 4 and off-site within adjacent Building 3A. A Fluke 922 micro-manometer was used to measure the vacuum at the required vapor monitoring points installed throughout the buildings. The vacuum was also measured at the extraction wells and readings were taken from each of the fans installed as part of the SSDSs. The observations from these monitoring events are included in Tables 5 and 6 and illustrated in Figures 7A and 7B. Field forms are included in Appendix E.

During the SSDS monitoring event in July 2023, a floor leak was observed at the base of Column Q9 (Extraction Well 13) and at the base of Column S10 (Extraction Well 17). The floor leaks identified at the

base of Column Q9 and at the base of Column S10 were subsequently repaired and sealed so as to maintain the integrity of the sub-slab depressurization system by TPO staff.

During the SSDS monitoring event in January 2024, the following floor leaks were observed:

- Column P10 (Extraction Well EW-4),
- Column N9 (Extraction Well EW-9),
- Column N8 (Extraction Well EW-10),
- Column P9 (Extraction Well EW-11),
- Column Q9 (Extraction Well EW-13),
- Column Q8 (Extraction Well EW-14), and
- Column R9 (Extraction Well EW-15).

The floor leaks identified above were subsequently repaired and sealed so as to maintain the integrity of the SSDSs by TPO staff. TPO will continue to address floor leaks as they are identified.

During the reporting period, no fan outages were reported.

Due to the occupation of the building by Mercury in 2014, several monitoring points (PM-2, VM-18, VM-20, and VM-21) have become inaccessible and have not been monitored since that time. However, monitoring points PM-2, VM-18, VM-20, and VM-21 are not in locations that affect the ability to confirm the SSDS radius of influence. The SSDSs have maintained their area of influence beneath Building 4.

Several vacuum monitoring points that previously had vacuum have intermittently not exhibited vacuum during certain sampling events. Fluctuation around 0 in/Hg had been noted in both SS-26 and SS-23 during previous events and it is suspected that a former trench, utility or building walls in these areas may affect their results. However, during both the 2022-2023 reporting period and this 2023-2024 reporting period, SS-26 and SS-23 exhibited vacuum during both the July and January monitoring events.

In addition, PM-14, which is located in the northwest portion of Building 4, typically exhibits no vacuum or pressure. However, in July 2023 a vacuum was noted through smoke testing and in January 2023 a vacuum was again observed.

VM-17, located towards the southeast corner of Building 4, exhibited a vacuum in July 2023. The July 2023 reading for VM-17 was confirmed with smoke testing. But in the January 2024 monitoring event VM-17 exhibited pressure.

Figures 7A and 7B show the pressure extension field for the two events that took place during this reporting period. Based on these maps, the pressure extension field is similar to prior years and the

SSDSs have maintained their area of influence beneath Building 3A and Building 4 in the areas where the Haley and Aldrich RI found chlorinated VOCs in the subsurface soils.

1.3.2.1 Changes to Building Usage Affecting Vapor Points

As discussed in Section 1.3.2 above, one result of Mercury occupying the northwestern quadrant of Building 4 is that several vapor monitoring points were rendered inaccessible in 2014. VM-18 is located in a hallway that is now carpeted, PM-2 is located under a wall, VM-20 is under shelving, and VM-21 is under a countertop. Based on past monitoring data, VM-18, PM-2, VM-20, and VM-21 are either beyond the influence of the SSDS, or sufficiently within the area of influence of the SSDS. Therefore, the inability to access these four points was not a significant data gap and was not pursued further. Further, an above grade hobby race car track was installed over PM-4; however, PM-4 is not routinely monitored.

1.3.3 Intrusive Activities

During the current reporting period, no intrusive work that disturbed the building slab was undertaken.

1.3.4 Condensate Collection and Purged Groundwater Discharge

TPO employees drain collected SSDS system condensate, measured it, and containerized the condensate in an on-site drum. The quantity of condensate is then reported to Stantec. Purge water from the groundwater sampling events is also containerized in on-site drums.

1.3.5 Sump Sampling

On a quarterly basis, a representative from Paradigm Environmental Services, Inc. inspects the sump located in the basement of Building 4 and collects a sample. These samples were analyzed for VOCs using EPA Method 624 (see Table 7). Historically, the quarterly analytical results were below laboratory detections limits for all compounds except TCE and chloromethane. TCE was detected at concentrations above the laboratory detection limit during two quarters, at concentrations of 2.20 ug/L (October 2023) and 2.79 ug/L (April 2024), which concentrations are both below the groundwater standard of 5 ug/L. Moreover, during two other quarters, the concentration of TCE was below laboratory detection limits for both the July 2023 and January 2024 sampling events. Given that the concentration of TCE in the sump measured during these events are substantially less than the concentrations found in groundwater within the vicinity of the sump (see Table 2), and they are well below the sewer discharge limitation of 2.13 mg/L (see Sewer Use Permit provided in Appendix F), the presence of TCE in the discharge is not considered to be a concern. Note that the analytical results for the April 2024 sampling event which is technically not part of this PRR, but is available, show a detection of chloromethane at a concentration of 4.18 ug/L. This detection is below the groundwater standard of 5 ug/L.

The results for this reporting period are summarized in Table 7, the laboratory analytical reports and sump inspection forms completed by Paradigm are included in Appendix G.

1.4 COMPLIANCE

Compliance with the SMP for the Site was maintained throughout the reporting period.

1.5 RECOMMENDATIONS

Prior annual sampling events have found that concentrations of VOCs in PDW-109 have been below detection limits since 2014. It was recommended in the June 2022 PRR that gauging should continue, but that sampling of PDW-109 be discontinued following sampling and data validation, in accordance with the SMP. The Department agreed to this approach in the June 17, 2022 Response Letter to the June 2022 PRR. But, PDW-109 was found to be dry in July 2022. Thus, it was recommended that the well should be sampled in July 2023 and the data validated. However, due to uncertainty in the sample results due to the elevated temperature of the sample upon receipt by the lab, PDW-109 was resampled on June 4, 2024. Data validation was conducted for the resample, and the non-detect of all VOCs was confirmed. It is understood that future groundwater samples from this well will be discontinued unless specifically requested by the Department.

Based on the semi-annual groundwater sampling events and the SSDS monitoring events, it is recommended to continue sampling the other on-site wells and the monitoring the vapor points in accordance with the methodology and schedule set out in the SMP other than the discontinuation of sampling PDW-109 as described above and prior approval to discontinue sampling MW-207.

It is recommended that one or more spare fan(s) continue to be available on Site in order to facilitate SSDS fan uptime.

In addition, it is recommended to continue conducting quarterly sump sampling and analysis and to continue draining the SSDS condensate from the collection areas.

Coordination between TPO staff and Stantec should be continued to ensure effective implementation of the SMP.

No change to the currently approved frequency of the PRR (currently annual) is recommended at this time.

2.0 REMEDY PERFORMANCE, EFFECTIVENESS, AND PROTECTIVENESS

Based upon the data obtained and observations made, the ECs appear to be performing well, and the ECs and ICs have been effective at maintaining conditions protective of human health and the environment for the continued commercial/industrial use of the Site. Furthermore, based on the two groundwater and SSDS monitoring events and related observations that took place during this reporting period, it appears that the SSDSs have maintained the necessary area of influence beneath Building 4 and Building 3A.

It is, therefore, proposed to continue in accordance with the methodology and schedule set out in the SMP:(i) the quarterly sampling and analysis of the sump; (ii) the semi-annual and annual sampling of groundwater in the on-site wells; (iii) performance monitoring of the SSDSs; and (iv) the draining of the condensate from the SSDS collection areas. This continued sampling and monitoring will generate an ever-larger dataset and allow trends to be interpreted with more certainty.

3.0 COMPLIANCE WITH IC/EC REQUIREMENTS AND THE OM&M PLAN

During the reporting period, compliance with required ICs and ECs has been maintained.

- Use of the Site has been limited to commercial/industrial uses, including industrial manufacturing and support activities conducted by the tenants of Building 4, a hobby race car tenant, use of the space for storage purposes by a tenant of a different TPO building and RV shows.

- The SSDSs have been operated continuously in Building 4 and Building 3A to mitigate the potential for SVI.

- During the SSDS monitoring event in July 2023, a floor leak was observed at the base of Column Q9 (Extraction Well 13) and at the base of Column S10 (Extraction Well 17). During the SSDS monitoring event in January 2024, the following floor leaks were observed: Column P10 (Extraction Well EW-4), Column N9 (Extraction Well EW-9), Column N8 (Extraction Well EW-10), Column P9 (Extraction Well EW-11), Column Q9 (Extraction Well EW-13), Column Q8 (Extraction Well EW-14), and Column R9 (Extraction Well EW-15). The leaks caused by these cracks were subsequently repaired and sealed so as to maintain the integrity of the sub-slab depressurization system. TPO will continue to address floor leaks as they are identified.

- Several vacuum monitoring points that previously had vacuum have intermittently not exhibited vacuum during certain sampling events. Fluctuation around 0 in/Hg has been noted in both SS-26 and SS-23 during previous events and it is suspected that a former trench, utility or building walls in these areas may affect their results. However, during both the 2022-2023 reporting period and this reporting period SS-26 and SS-23 exhibited vacuum during both the July and January monitoring events. PM-14, located in the northwest portion of Building 4, typically exhibits no vacuum or pressure; however, in July 2023 a vacuum was noted through smoke testing and in January 2023 a vacuum was observed. VM-17, located towards the southeast corner of Building 4, exhibited a vacuum in July 2023, but exhibited pressure in the January 2024 monitoring event. Only the July 2023 reading for VM-17 was confirmed with smoke testing.

- No groundwater use has occurred at the Site.

- Deed Restrictions are in place to restrict land use to commercial/industrial uses, restrict the use of groundwater, and prevent future exposure to any contaminants of concern remaining at the Site.

The IC/EC forms certifying to the Department the continued presence and effectiveness of the controls described above are presented in Appendix A.

Weekly monitoring and periodic maintenance activities have been performed by the employees of TPO (owner's employees), including:

- Verifying normal SSDS system operating conditions and making observations of any abnormalities, visual, olfactory, or auditory, with respect to the SSDSs;
- Recording of vacuum levels at fan manometers located in Area specific enclosures; and
- Draining of collected system condensate and containerizing the drained condensate in an on-site drum.

As per the SMP, abnormalities observed during the weekly and/or monthly monitoring activities were reported to Stantec by TPO's employees.

4.0 OVERALL CONCLUSIONS AND RECOMMENDATIONS

Based on the sampling results and observations from the 2023 and 2024 groundwater sampling and SSDS monitoring events, chlorinated VOCs remain in the soil and groundwater beneath the floor slab in certain areas of Building 4 with the concentrations in groundwater being above applicable standards, criteria and guidance such that it is recommended that the ICs/ECs for the Site be continued, including periodic sampling of the identified on-site wells and monitoring the accessible vapor points in accordance with the methodology and schedule set out in the SMP.

VOC concentrations in PDW-109 were non-detect from 2014 through 2021. In the 2022 PRR, it was requested that sampling of this well be discontinued following completion of data validation, per the SMP, for the sample collected in PDW-109 during the July 2022 annual sampling event. The Department agreed to this approach in the June 17, 2022 Response Letter to the June 2022 PRR. Given dry conditions, PDW-109 was unable to be sampled and therefore data validation was not conducted during the July 2022 annual sampling event. Therefore, it was recommended that data validation be completed for the sample that was collected during the July 2023 annual sampling event; however, the July 2023 sample results were questionable due to the elevated temperature of the sample, outside of the acceptance criteria. Therefore the data validation was not conducted until a resample was collected on June 4, 2024. The data validation of this resample confirmed that PDW-109 was non-detect for VOCs. A copy of the data usability report (DUSR) is provided in Appendix C. It is respectfully requested that, while gauging of PDW-109 should continue, sampling of this well should be discontinued. It is understood that future groundwater samples from this well may be needed if requested by the Department.

It is further recommended that TPO employees continue their weekly performance monitoring of the SSDS fan manometers, condensate volumes, and SSDS system operating conditions and submit this data to Stantec for review and inclusion in subsequent PRRs, and to continue draining the SSDS condensate from the collection areas twice a month. No change is proposed to the current semi-annual SSDS monitoring schedule.

It is also recommended that one or more spare fan(s) continue to be available on Site in order to facilitate SSDS fan uptime.

In addition, it is recommended to continue conducting quarterly sump sampling and analysis.

No change to the currently approved frequency of the PRR (currently annual) is recommended at this time.

TABLES

Table 1
Weekly Fan Monitoring Data - May 2023 to May 2024
Rochester Technology Park
Building 4, Rochester, NY

Sampled by: D.Sechowski

Measurement	Date/Time: 5-12-23 10:00am			Date/Time: 5-19-23 10:00am			Date/Time: 5-26-23 10:00am			Date/Time: 6-2-23 10:00am			Date/Time: 6-9-23 10:00am		
	Area 1	**Area 2**	**Area 2A/3**	**Area 1**	**Area 2**	**Area 2A/3**	**Area 1**	**Area 2**	**Area 2A/3**	**Area 1**	**Area 2**	**Area 2A/3**	**Area 1**	**Area 2**	**Area 2A/3**
Extraction Fan Backpressure (in H2O):															
Pre-GAC pressure (in H2O):															
Post-GAC pressure (in H2O):															
Pre-GAC PID (ppmV):															
Post-GAC PID (ppmV):															
Pre-GAC sample ID:															
Post-GAC sample ID:															

Area	Fan	Vacuum (in H2O)	Flow (in H2O)	Condensate	Vacuum (in H2O)	Flow (in H2O)	Condensate	Vacuum (in H2O)	Flow (in H2O)	Condensate	Vacuum (in H2O)	Flow (in H2O)	Condensate	Vacuum (in H2O)	Flow (in H2O)	Condensate
Area 1	F1	33		dry	33		dry	33		dry	33		dry	34		dry
	F2	34		dry	34		dry	34		dry	33.5		dry	34		dry
	F3	36		dry	36		dry	36		dry	36.5		dry	37		dry
	F4	25		dry	25		dry	25		dry	26		dry	26.5		dry
	F5	31.5		dry	32		dry	32		dry	33		dry	33		dry
	F6	7		dry	7		dry	7		dry	7.5		dry	7.5		dry
	F7	21		dry	21		dry	21		dry	21.5		dry	22		dry
Area 1A	F15	9.5		dry	10		dry	10		dry	10		dry	10		dry
Area 2	F8	7		dry	7		dry	7		dry	7		dry	7		dry
	F9	4.5		dry	4.5		dry	4		dry	4		dry	4		dry
	F10	7		dry	7		dry	7.5		dry	7.5		dry	7.5		dry
	F11	3		dry	3		dry	3.5		dry	3.5		dry	3.5		dry
	F12	8		dry	8		dry	8		1 oz	8		dry	8.5		dry
Area 2A	F16	5		dry	5		2 oz	5		1 oz	5		dry	5		dry
Area 3	F17	35		dry	35		dry	35		dry	3.5		dry	35		dry
Notes:		Condensates mounted on columns for all areas were tested on 4-21-23, all were dry														

Indicates that the GAC system has been decommisioned and readings are no longer required

Table 1
Weekly Fan Monitoring Data - May 2023 to May 2024
Rochester Technology Park
Building 4, Rochester, NY

Sampled by: D.Sechowski

Measurement	Date/Time: 6-16-23 10:00am			Date/Time: 6-23-23 10:00am			Date/Time: 6-30-23 10:00am			Date/Time: 7-7-23 10:00am			Date/Time: 7-14-23 10:00am		
	Area 1	**Area 2**	**Area 2A/3**	**Area 1**	**Area 2**	**Area 2A/3**	**Area 1**	**Area 2**	**Area 2A/3**	**Area 1**	**Area 2**	**Area 2A/3**	**Area 1**	**Area 2**	**Area 2A/3**
Extraction Fan Backpressure (in H2O):															
Pre-GAC pressure (in H2O):															
Post-GAC pressure (in H2O):															
Pre-GAC PID (ppmV):															
Post-GAC PID (ppmV):															
Pre-GAC sample ID:															
Post-GAC sample ID:															

Area	Fan	Vacuum (in H2O)	Flow (in H2O)	Condensate	Vacuum (in H2O)	Flow (in H2O)	Condensate	Vacuum (in H2O)	Flow (in H2O)	Condensate	Vacuum (in H2O)	Flow (in H2O)	Condensate	Vacuum (in H2O)	Flow (in H2O)	Condensate
Area 1	F1	34		dry	33.5		dry	33.5		dry	34.5		dry	34.5		dry
	F2	34		dry	33		dry	33.5		dry	34		dry	34		dry
	F3	37		dry	36		dry	36.5		dry	37.5		dry	37		dry
	F4	26.5		dry	26.5		dry	26.5		dry	27		dry	27		dry
	F5	33		dry	32.5		dry	32.5		dry	33		dry	33		dry
	F6	7.5		dry	7.5		dry	7.5		dry	7.5		dry	7.5		dry
	F7	22		dry	22		dry	22		dry	22.5		dry	22.5		dry
Area 1A	F15	9.5		dry	9.5		dry	9.5		dry	9.5		dry	9.5		dry
Area 2	F8	7		dry	7.5		dry	7.5		dry	7.5		dry	7.5		dry
	F9	4		dry	4.5		dry	4.5		dry	4.5		dry	5		dry
	F10	7.5		dry	8		dry	8		dry	8		dry	8		dry
	F11	3.5		dry	3.5		dry	3.5		dry	3.5		dry	3.5		dry
	F12	8.5		dry	8.5		dry	8.5		dry	8.5		dry	8.5		dry
Area 2A	F16	5		dry	5		dry	5		dry	5		dry	5		dry
Area 3	F17	35		dry	35		dry	35		dry	35		dry	35		dry
Notes:																

Indicates that the GAC system has been decommisioned and readings are no longer required

Table 1
Weekly Fan Monitoring Data - May 2023 to May 2024
Rochester Technology Park
Building 4, Rochester, NY

Sampled by: D.Sechowski

Measurement		Date/Time: 7-21-23 10:00am			Date/Time: 7-26-23 / 7-27-23 10:00am			Date/Time: 7-28-23 10:00am			Date/Time: 8-4-23 10:00am			Date/Time: 8-11-23 10:00am		
		Area 1	**Area 2**	**Area 2A/3**	**Area 1**	**Area 2**	**Area 2A/3**	**Area 1**	**Area 2**	**Area 2A/3**	**Area 1**	**Area 2**	**Area 2A/3**	**Area 1**	**Area 2**	**Area 2A/3**
Extraction Fan Backpressure (in H2O):					0.921	1.019	0.120									
Pre-GAC pressure (in H2O):																
Post-GAC pressure (in H2O):																
Pre-GAC PID (ppmV):																
Post-GAC PID (ppmV):																
Pre-GAC sample ID:																
Post-GAC sample ID:																

Area	Fan	Vacuum (in H2O)	Flow (in H2O)	Condensate	Vacuum (in H2O)	Flow (in H2O)	Condensate	Vacuum (in H2O)	Flow (in H2O)	Condensate	Vacuum (in H2O)	Flow (in H2O)	Condensate	Vacuum (in H2O)	Flow (in H2O)	Condensate
Area 1	F1	34.5		dry	35			35		dry	36		dry	35		dry
	F2	34		dry	34			34		dry	34		dry	34		dry
	F3	37		dry	37.5			37.5		dry	37.5		dry	37.5		dry
	F4	27.5		dry	27.5			27.5		dry	27.5		dry	27.5		dry
	F5	33		dry	33.5			33.5		dry	33.5		dry	33		dry
	F6	7.5		dry	7.5			8		dry	8		dry	7.5		dry
	F7	22.5		dry	23			23		dry	23		dry	22.5		dry
Area 1A	F15	9.5		dry	9			9.5		dry	9.5		dry	9.5		dry
Area 2	F8	7.5		dry	8			8		dry	8		dry	7.5		dry
	F9	5		dry	5			5		dry	5		dry	5		dry
	F10	8		dry	8.5			8		dry	8.5		dry	8		dry
	F11	3.5		dry	3.5			3.5		dry	3.5		dry	3		dry
	F12	9		dry	9			9		dry	9		dry	9		dry
Area 2A	F16	5		dry	5			5		dry	5		dry	5		dry
Area 3	F17	35		dry	35.5			35		dry	35		dry	35		dry
Notes:					Annual monitoring performed on this date.											

Indicates that the GAC system has been decommisioned and readings are no longer required

Table 1
Weekly Fan Monitoring Data - May 2023 to May 2024
Rochester Technology Park
Building 4, Rochester, NY

Sampled by: D.Sechowski

Measurement	Date/Time: 8-18-23 10:00am			Date/Time: 8-25-23 10:00am			Date/Time: 9-1-23 10:00am			Date/Time: 9-8-23 10:00am		
	Area 1	**Area 2**	**Area 2A/3**	**Area 1**	**Area 2**	**Area 2A/3**	**Area 1**	**Area 2**	**Area 2A/3**	**Area 1**	**Area 2**	**Area 2A/3**
Extraction Fan Backpressure (in H2O):												
Pre-GAC pressure (in H2O):												
Post-GAC pressure (in H2O):												
Pre-GAC PID (ppmV):												
Post-GAC PID (ppmV):												
Pre-GAC sample ID:												
Post-GAC sample ID:												

Area	Fan	Vacuum (in H2O)	Flow (in H2O)	Condensate	Vacuum (in H2O)	Flow (in H2O)	Condensate	Vacuum (in H2O)	Flow (in H2O)	Condensate	Vacuum (in H2O)	Flow (in H2O)	Condensate
Area 1	F1	35		dry	35		dry	34		dry	34.5		dry
	F2	34		dry	34		dry	34		dry	34		dry
	F3	37		dry	37.5		dry	37.5		dry	37.5		dry
	F4	27.5		dry	28		dry	27		dry	28		dry
	F5	33		dry	34		dry	33.5		dry	33.5		dry
	F6	8		dry	8		dry	8		dry	8		dry
	F7	23		dry	23		dry	22		dry	23		dry
Area 1A	F15	9.5		dry	9.5		dry	9		dry	9		1 oz
Area 2	F8	8		dry	8		dry	7.5		dry	8		dry
	F9	5		dry	5		dry	5		dry	5		dry
	F10	8.5		dry	8.5		dry	8		dry	8.5		dry
	F11	3.5		dry	3.5		dry	3.5		dry	3.5		dry
	F12	9		dry	9		dry	8.5		dry	9		dry
Area 2A	F16	5		dry	5		dry	5		dry	5		dry
Area 3	F17	35		dry	35		dry	35		dry	35		dry
Notes:											Condensates mounted on columns for all areas were tested on 9-8-23, all were dry		

Indicates that the GAC system has been decommisioned and readings are no longer required

Table 1
Weekly Fan Monitoring Data - May 2023 to May 2024
Rochester Technology Park
Building 4, Rochester, NY

Sampled by: D.Sechowski

Measurement	Date/Time: 9-15-23 10:00am			Date/Time: 9-22-23 10:00am			Date/Time: 9-29-23 10:00am			Date/Time: 10-6-23 10:00am		
	Area 1	**Area 2**	**Area 2A/3**	**Area 1**	**Area 2**	**Area 2A/3**	**Area 1**	**Area 2**	**Area 2A/3**	**Area 1**	**Area 2**	**Area 2A/3**
Extraction Fan Backpressure (in H2O):												
Pre-GAC pressure (in H2O):												
Post-GAC pressure (in H2O):												
Pre-GAC PID (ppmV):												
Post-GAC PID (ppmV):												
Pre-GAC sample ID:												
Post-GAC sample ID:												

Area	Fan	Vacuum (in H2O)	Flow (in H2O)	Condensate	Vacuum (in H2O)	Flow (in H2O)	Condensate	Vacuum (in H2O)	Flow (in H2O)	Condensate	Vacuum (in H2O)	Flow (in H2O)	Condensate
Area 1	F1	33		dry	33		dry	34		dry	34		dry
	F2	34		dry	34		dry	34		dry	34		dry
	F3	37		dry	37		dry	37.5		dry	37.5		dry
	F4	26.5		dry	26		dry	26		dry	27		dry
	F5	33		dry	33		dry	33		dry	33		dry
	F6	8		dry	7.5		dry	7.5		dry	7.5		dry
	F7	21		dry	21		dry	22		dry	22.5		dry
Area 1A	F15	9		dry	9		dry	9		dry	9		dry
Area 2	F8	8		dry	7.5		dry	7		dry	8		dry
	F9	5		dry	5		dry	5		dry	5		dry
	F10	8		dry	8		dry	8		dry	8.5		dry
	F11	3.5		dry	3.5		dry	3.5		dry	3.5		dry
	F12	9		1 oz	8.5		1 oz	9		1 oz	9		dry
Area 2A	F16	5		dry	5		3 oz	5		2 oz	5		dry
Area 3	F17	35		dry	35		dry	36		dry	-		dry
Notes:													

Indicates that the GAC system has been decommisioned and readings are no longer required

Table 1
Weekly Fan Monitoring Data - May 2023 to May 2024
Rochester Technology Park
Building 4, Rochester, NY

Sampled by: D.Sechowski

Measurement	Date/Time: 10-13-23 10:00am			Date/Time: 10-20-23 10:00am			Date/Time: 10-27-23 10:00am			Date/Time: 11-3-23 10:00am		
	Area 1	**Area 2**	**Area 2A/3**	**Area 1**	**Area 2**	**Area 2A/3**	**Area 1**	**Area 2**	**Area 2A/3**	**Area 1**	**Area 2**	**Area 2A/3**
Extraction Fan Backpressure (in H2O):												
Pre-GAC pressure (in H2O):												
Post-GAC pressure (in H2O):												
Pre-GAC PID (ppmV):												
Post-GAC PID (ppmV):												
Pre-GAC sample ID:												
Post-GAC sample ID:												

Area	Fan	Vacuum (in H2O)	Flow (in H2O)	Condensate	Vacuum (in H2O)	Flow (in H2O)	Condensate	Vacuum (in H2O)	Flow (in H2O)	Condensate	Vacuum (in H2O)	Flow (in H2O)	Condensate
Area 1	F1	-		dry	33		dry	32		dry	32		1 oz
	F2	-		dry	33.5		dry	33		dry	33		1 oz
	F3	-		dry	36		dry	35		dry	35		3 oz
	F4	-		dry	24		dry	24		dry	23		dry
	F5	-		dry	32		dry	37		dry	35		dry
	F6	-		dry	7.5		dry	7.5		dry	7.5		dry
	F7	-		dry	17		dry	16.5		dry	16.5		dry
Area 1A	F15	-		dry	9		dry	10		dry	10		3 oz
Area 2	F8	-		dry	7.5		dry	7.5		dry	7.5		1 oz
	F9	-		dry	5		dry	5		dry	5		dry
	F10	-		dry	8		dry	8.5		dry	8		dry
	F11	-		dry	3.5		dry	3.5		dry	3.5		dry
	F12	-		dry	9		8 oz	9		15 oz	8.5		14 oz
Area 2A	F16	-		dry	5		17 oz	5		25 oz	5		37 oz
Area 3	F17	-		dry	35		dry	35		dry	35		dry
Notes:													

Indicates that the GAC system has been decommisioned and readings are no longer required

Table 1
Weekly Fan Monitoring Data - May 2023 to May 2024
Rochester Technology Park
Building 4, Rochester, NY

Sampled by: D.Sechowski

Measurement	Date/Time: 11-10-23 10:00am			Date/Time: 11-17-23 10:00am			Date/Time: 11-24-23 10:00am			Date/Time: 12-1-23 10:00am		
	Area 1	**Area 2**	**Area 2A/3**	**Area 1**	**Area 2**	**Area 2A/3**	**Area 1**	**Area 2**	**Area 2A/3**	**Area 1**	**Area 2**	**Area 2A/3**
Extraction Fan Backpressure (in H2O):												
Pre-GAC pressure (in H2O):												
Post-GAC pressure (in H2O):												
Pre-GAC PID (ppmV):												
Post-GAC PID (ppmV):												
Pre-GAC sample ID:												
Post-GAC sample ID:												

Area	Fan	Vacuum (in H2O)	Flow (in H2O)	Condensate	Vacuum (in H2O)	Flow (in H2O)	Condensate	Vacuum (in H2O)	Flow (in H2O)	Condensate	Vacuum (in H2O)	Flow (in H2O)	Condensate
Area 1	F1	31.5		dry	31.5		dry	31		dry	31		dry
	F2	33		dry	32.5		dry	32		dry	32		dry
	F3	35		dry	27		dry	26.5		dry	26		dry
	F4	23		dry	23		dry	22.5		dry	22.5		dry
	F5	35		dry	30		dry	28		dry	28		dry
	F6	7		dry	7		dry	7		dry	7		dry
	F7	16.5		dry	16		dry	15.5		dry	15.5		dry
Area 1A	F15	9.5		dry	9.5		dry	10		dry	9		13 oz
Area 2	F8	7.5		dry	7.5		dry	7		1 oz	7		1 oz
	F9	5		dry	5		dry	5		dry	5		dry
	F10	8		dry	8		dry	8		dry	8		dry
	F11	3.5		dry	3.5		dry	3.5		dry	3.5		dry
	F12	8.5		7 oz	8.5		7 oz	8.5		16 oz	8.5		39 oz
Area 2A	F16	5		16 oz	5		24 oz	5		28 oz	5		65 oz
Area 3	F17	35		1 oz	35		dry	35		1 oz	35		47 oz
Notes:													

Indicates that the GAC system has been decommisioned and readings are no longer required

Table 1
Weekly Fan Monitoring Data - May 2023 to May 2024
Rochester Technology Park
Building 4, Rochester, NY

Sampled by: D.Sechowski

Measurement	Date/Time: 12-8-23 10:00am			Date/Time: 12-15-23 10:00am			Date/Time: 12-22-23 10:00am			Date/Time: 12-29-23 10:00am		
	Area 1	**Area 2**	**Area 2A/3**	**Area 1**	**Area 2**	**Area 2A/3**	**Area 1**	**Area 2**	**Area 2A/3**	**Area 1**	**Area 2**	**Area 2A/3**
Extraction Fan Backpressure (in H2O):												
Pre-GAC pressure (in H2O):												
Post-GAC pressure (in H2O):												
Pre-GAC PID (ppmV):												
Post-GAC PID (ppmV):												
Pre-GAC sample ID:												
Post-GAC sample ID:												

Area	Fan	Vacuum (in H2O)	Flow (in H2O)	Condensate	Vacuum (in H2O)	Flow (in H2O)	Condensate	Vacuum (in H2O)	Flow (in H2O)	Condensate	Vacuum (in H2O)	Flow (in H2O)	Condensate
Area 1	F1	32		dry	32		dry	31.5		dry	32		dry
	F2	33		dry	33		dry	33		dry	33		dry
	F3	27		dry	27		dry	27		dry	27.5		dry
	F4	23		dry	23		dry	22		dry	22		dry
	F5	29		dry	29		dry	29		dry	29.5		dry
	F6	7		dry	7		dry	7		2 oz	7		dry
	F7	16		dry	16		dry	15.5		dry	16		dry
Area 1A	F15	9.5		dry	9.5		dry	9		11 oz	9.5		dry
Area 2	F8	7.5		dry	7.5		dry	7		dry	7.5		dry
	F9	5		dry	5		dry	5		dry	5		dry
	F10	8		dry	8		dry	7.5		dry	8		dry
	F11	3.5		dry	3.5		dry	3.5		dry	3.5		dry
	F12	8.5		24 oz	8.5		14 oz	8.5		24 oz	8.5		6 oz
Area 2A	F16	5		48 oz	5		36 oz	5		39 oz	5		8 oz
Area 3	F17	35		dry	35		dry	35		28 oz	35		dry
Notes:													

Indicates that the GAC system has been decommisioned and readings are no longer required

Table 1
Weekly Fan Monitoring Data - May 2023 to May 2024
Rochester Technology Park
Building 4, Rochester, NY

Sampled by: D.Sechowski

Measurement	Date/Time: 1-5-24 10:00am			Date/Time: 1-12-24 10:00am			Date/Time: 1-19-24 10:00am			Date/Time: 1-22-24 10:00am		
	Area 1	**Area 2**	**Area 2A/3**	**Area 1**	**Area 2**	**Area 2A/3**	**Area 1**	**Area 2**	**Area 2A/3**	**Area 1**	**Area 2**	**Area 2A/3**
Extraction Fan Backpressure (in H2O):										1.883	1.003	0.108
Pre-GAC pressure (in H2O):												
Post-GAC pressure (in H2O):												
Pre-GAC PID (ppmV):												
Post-GAC PID (ppmV):												
Pre-GAC sample ID:												
Post-GAC sample ID:												

Area	Fan	Vacuum (in H2O)	Flow (in H2O)	Condensate	Vacuum (in H2O)	Flow (in H2O)	Condensate	Vacuum (in H2O)	Flow (in H2O)	Condensate	Vacuum (in H2O)	Flow (in H2O)	Condensate
Area 1	F1	31.5		dry	31.5		dry	30		dry	29.5		
	F2	33		dry	33		dry	32		dry	31.5		
	F3	27		dry	27		dry	23		dry	23		
	F4	21.5		dry	19		dry	18		dry	18		
	F5	29		dry	29.5		dry	28		dry	28.5		
	F6	7		dry	6.5		dry	6		dry	6		
	F7	15.5		dry	15		dry	14		dry	13.5		
Area 1A	F15	9		18 oz	9.5		6 oz	9.5		60 oz	9		
Area 2	F8	7		1 oz	7		dry	7		8 oz	6.5		
	F9	4.5		dry	4.5		dry	4.5		dry	4		
	F10	7.5		dry	7.5		dry	7		5 oz	6.5		
	F11	3		dry	3.5		dry	3.5		dry	2.5		
	F12	8		37 oz	8		35 oz	8.5		83 oz	7.5		
Area 2A	F16	5		60 oz	5		48 oz	5		88 oz	4.5		
Area 3	F17	35		8 oz	35		1 oz	35		256 oz	34.5		
Notes:											Semi-Annual Monitoring performed on this date.		

Indicates that the GAC system has been decommisioned and readings are no longer required

Table 1
Weekly Fan Monitoring Data - May 2023 to May 2024
Rochester Technology Park
Building 4, Rochester, NY

Sampled by: D.Sechowski

Measurement	Date/Time: 1-26-24 10:00am			Date/Time: 2-2-24 10:00am			Date/Time: 2-9-24 10:00am			Date/Time: 2-16-24 10:00am		
	Area 1	**Area 2**	**Area 2A/3**	**Area 1**	**Area 2**	**Area 2A/3**	**Area 1**	**Area 2**	**Area 2A/3**	**Area 1**	**Area 2**	**Area 2A/3**
Extraction Fan Backpressure (in H2O):												
Pre-GAC pressure (in H2O):												
Post-GAC pressure (in H2O):												
Pre-GAC PID (ppmV):												
Post-GAC PID (ppmV):												
Pre-GAC sample ID:												
Post-GAC sample ID:												

Area	Fan	Vacuum (in H2O)	Flow (in H2O)	Condensate	Vacuum (in H2O)	Flow (in H2O)	Condensate	Vacuum (in H2O)	Flow (in H2O)	Condensate	Vacuum (in H2O)	Flow (in H2O)	Condensate
Area 1	F1	31		dry	32		dry	32		dry	31.5		dry
	F2	32.5		dry	33		dry	33		dry	33		dry
	F3	26		dry	28		dry	37		dry	38		dry
	F4	19.5		dry	22		dry	25		dry	25		dry
	F5	29		dry	34		dry	30		dry	30.5		dry
	F6	6.5		dry	6.5		dry	6.5		dry	9		dry
	F7	15		dry	15		dry	16.5		dry	16.5		dry
Area 1A	F15	9		24 oz	9.5		dry	9.5		dry	9		dry
Area 2	F8	7		1 oz	7		1 oz	7		dry	7		1 oz
	F9	4.5		dry	4.5		dry	4.5		dry	4.5		dry
	F10	7.5		1 oz	7.5		dry	7.5		dry	7.5		dry
	F11	3		dry	3.5		dry	3.5		dry	3		dry
	F12	8		51 oz	8		32 oz	8		28 oz	8		28 oz
Area 2A	F16	5		84 oz	5		38 oz	5		35 oz	5		41 oz
Area 3	F17	35		177 oz	35		1 oz	35		dry	35		32 oz
Notes:													

Indicates that the GAC system has been decommisioned and readings are no longer required

Table 1
Weekly Fan Monitoring Data - May 2023 to May 2024
Rochester Technology Park
Building 4, Rochester, NY

Sampled by: D.Sechowski

Measurement	Date/Time: 2-23-24 10:00am			Date/Time: 3-1-24 10:00am			Date/Time: 3-8-24 10:00am		
	Area 1	**Area 2**	**Area 2A/3**	**Area 1**	**Area 2**	**Area 2A/3**	**Area 1**	**Area 2**	**Area 2A/3**
Extraction Fan Backpressure (in H2O):									
Pre-GAC pressure (in H2O):									
Post-GAC pressure (in H2O):									
Pre-GAC PID (ppmV):									
Post-GAC PID (ppmV):									
Pre-GAC sample ID:									
Post-GAC sample ID:									

Area	Fan	Vacuum (in H2O)	Flow (in H2O)	Condensate	Vacuum (in H2O)	Flow (in H2O)	Condensate	Vacuum (in H2O)	Flow (in H2O)	Condensate
Area 1	F1	31		dry	31		dry	32		6 oz
	F2	33		dry	33.5		dry	33		dry
	F3	35		dry	36.5		dry	36		dry
	F4	25		dry	23.5		dry	24.5		1 oz
	F5	31		dry	31		dry	31.5		1 oz
	F6	6.5		dry	6		dry	7		dry
	F7	17		dry	16		10 oz	17		16 oz
Area 1A	F15	9		dry	9		dry	10		6 oz
Area 2	F8	7		dry	6.5		1 oz	7		1 oz
	F9	4.5		dry	4		dry	4.5		dry
	F10	7		dry	7		dry	7.5		dry
	F11	3		dry	3		dry	3.5		dry
	F12	9		41 oz	8		33 oz	8.5		13 oz
Area 2A	F16	5		58 oz	5		44 oz	5		29 oz
Area 3	F17	35		51 oz	35		86 oz	35		23 oz
Notes:										

Indicates that the GAC system has been decommisioned and readings are no longer required

Table 1
Weekly Fan Monitoring Data - May 2023 to May 2024
Rochester Technology Park
Building 4, Rochester, NY

Sampled by: D.Sechowski

Measurement	Date/Time: 3-15-24 10:00am			Date/Time: 3-22-24 10:00am			Date/Time: 3-29-24 10:00am			Date/Time: 4-5-24 10:00am		
	Area 1	**Area 2**	**Area 2A/3**	**Area 1**	**Area 2**	**Area 2A/3**	**Area 1**	**Area 2**	**Area 2A/3**	**Area 1**	**Area 2**	**Area 2A/3**
Extraction Fan Backpressure (in H2O):												
Pre-GAC pressure (in H2O):												
Post-GAC pressure (in H2O):												
Pre-GAC PID (ppmV):												
Post-GAC PID (ppmV):												
Pre-GAC sample ID:												
Post-GAC sample ID:												

Area	Fan	Vacuum (in H2O)	Flow (in H2O)	Condensate	Vacuum (in H2O)	Flow (in H2O)	Condensate	Vacuum (in H2O)	Flow (in H2O)	Condensate	Vacuum (in H2O)	Flow (in H2O)	Condensate
Area 1	F1	33		dry	32		dry	32		dry	32		dry
	F2	34		dry	34		dry	34		dry	35		dry
	F3	37		dry	36.5		dry	36.5		dry	37		dry
	F4	26		1 oz	24		dry	25		dry	25		dry
	F5	32		1 oz	31		dry	31.5		dry	32		dry
	F6	7		dry	7		dry	7		dry	7		dry
	F7	18		3 oz	17		dry	17.5		dry	17.5		dry
Area 1A	F15	10		dry	9.5		26 oz	9.5		5 oz	9.5		1 oz
Area 2	F8	7		dry	7		dry	7		dry	7		dry
	F9	4.5		dry	4.5		dry	4.5		dry	4.5		dry
	F10	7.5		dry	7		dry	7.5		dry	7.5		dry
	F11	3.5		dry	3.5		dry	3.5		dry	3.5		dry
	F12	9		2 oz	8.5		27 oz	8.5		24 oz	8.5		14 oz
Area 2A	F16	5		7 oz	5		48 oz	5		32 oz	5		28 oz
Area 3	F17	35		dry	35		44 oz	35		4 oz	35		dry

Notes: Condensates mounted on columns for all areas were tested on 4-5-24, all were dry

Indicates that the GAC system has been decommisioned and readings are no longer required

Table 1
Weekly Fan Monitoring Data - May 2023 to May 2024
Rochester Technology Park
Building 4, Rochester, NY

Sampled by: D.Sechowski

Measurement	Date/Time: 4-12-24 10:00am			Date/Time: 4-19-24 10:00am			Date/Time: 4-26-24 10:00am			Date/Time: 5-3-24 10:00am			Date/Time: 5-10-24 10:00am		
	Area 1	**Area 2**	**Area 2A/3**	**Area 1**	**Area 2**	**Area 2A/3**	**Area 1**	**Area 2**	**Area 2A/3**	**Area 1**	**Area 2**	**Area 2A/3**	**Area 1**	**Area 2**	**Area 2A/3**
Extraction Fan Backpressure (in H2O):															
Pre-GAC pressure (in H2O):															
Post-GAC pressure (in H2O):															
Pre-GAC PID (ppmV):															
Post-GAC PID (ppmV):															
Pre-GAC sample ID:															
Post-GAC sample ID:															

Area	Fan	Vacuum (in H2O)	Flow (in H2O)	Condensate	Vacuum (in H2O)	Flow (in H2O)	Condensate	Vacuum (in H2O)	Flow (in H2O)	Condensate	Vacuum (in H2O)	Flow (in H2O)	Condensate	Vacuum (in H2O)	Flow (in H2O)	Condensate
Area 1	F1	33		dry	34		dry	33		dry	33		dry	33		dry
	F2	33		dry	34		dry	33.5		dry	34		dry	34		dry
	F3	36		dry	37		dry	37		dry	37		dry	37		dry
	F4	26		dry	26		dry	26		dry	26.5		dry	26.5		dry
	F5	32		dry	32		dry	32		dry	33		dry	32.5		dry
	F6	7		dry	7		dry	7		dry	7.5		dry	7.5		dry
	F7	18		dry	18		dry	18		dry	19		dry	18.5		dry
Area 1A	F15	9.5		dry	9.5		5 oz	9		1 oz	10		dry	9.5		dry
Area 2	F8	7		dry	7		dry	7		dry	7		dry	7.5		dry
	F9	5		dry	5		dry	5		dry	5		dry	5		dry
	F10	8		dry	8		dry	8		dry	8		dry	8		dry
	F11	3.5		dry	4		dry	4		dry	4		dry	4		dry
	F12	8.5		3 oz	9		2 oz	9		1 oz	9		dry	9		dry
Area 2A	F16	5		5 oz	5		24 oz	5		1 oz	5		dry	5		dry
Area 3	F17	35		dry	35		4 oz	35		dry	35		dry	35		dry
Notes:																

Indicates that the GAC system has been decommisioned and readings are no longer required

Table 2
Summary of Analytical Results in Groundwater - July 2005 through June 2024
Rochester Technology Park,
Building 4, Rochester, NY

Sample Location			MW203																		
Sample Date			26-Feb-14	26-Feb-14	22-Jul-14	22-Jul-14	22-Jan-15	22-Jan-15	22-Jul-15	12-Jan-16	3-Aug-16	30-Jan-17	27-Jul-17	8-Jan-18	11-Jul-18	7-Feb-19	25-Jul-19	3-Feb-20	28-Jul-20	28-Jul-20	13-Jan-21	8-Jul-21
Sample ID			RTP-MW203-GW-#01	RTP-MW203-GW-#01DL	RTP-MW203-GW	RTP-MW203-GW-S/D	RTP-MW203-GW-#01	RTP-MW203-GW-#01	RTP-MW203-GW	RTP-MW203-GW-#-01	RTP-MW203-GW	RTP-MW203-GW	RTP-MW-203-GW	RTP-MW203-GW	RTP-MW203-GW	RTP-MW203-GW	RTP-MW203-GW	RTP-MW203-GW	RTP-MW203-GW	RTP-DUP-GW	RTP-MW203-GW	RTP-MW203-GW
Sampling Company			STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			CASR	CASR	CASR	CASR	CASR	CASR	ALS	ALS	ALS	ALS	ALS	ALS	ALS	ALS	ALS	ALS	ALS	ALS	ALS	ALS
Laboratory Work Order			R1401361	R1401361	R1405659	R1405659	R1500543	R1500543	R1505937	R1600320	R1608053	R1700811	R1706951	R1800171	R1806502	R1901144	R1907029	R2000943	R2006693	R2006693	R2100349	R2106876
Laboratory Sample ID			R1401361-003	R1401361-003	R1405659-007	R1405659-008	R1500543-004	R1500543-004	R1505937-004	R1600320-004	R1608053-002	R1700811-002	R1706951-002	R1800171-002	R1806502-009	R1901144-003	R1907029-003	R2000943-003	R2006693-002	R2006693-004	R2100349-003	R2106876-009
Sample Type	Units	TOGS	Initial	Reanalysis	Initial	Field Duplicate	Initial	Reanalysis	Initial	Initial	Initial	Initial	Initial	Initial	Initial	Initial	Initial	Initial	Initial	Field Duplicate	Initial	Initial
Volatile Organic Compounds																						
Acetone	µg/L	50[A]	100 U	250 U	200 U	200 U	200 U	1,000 U	100 U	250 U	10 U	100 U	100 U	25 U	10 U	50 U	25 U	50 U	50 U	50 U	50 U	25 U
Benzene	µg/L	1[B]	50 U	130 U	100 U	100 U	100 U	500 U	50 U	130 U	5.0 U	50 U	50 U	13 U	5.0 U	25 U	13 U	25 U	25 U	25 U	25 U	13 U
Bromodichloromethane	µg/L	50[A]	50 U	130 U	100 U	100 U	100 U	500 U	50 U	130 U	5.0 U	50 U	50 U	13 U	5.0 U	25 U	13 U	25 U	25 U	25 U	25 U	13 U
Bromoform (Tribromomethane)	µg/L	50[A]	50 U	130 U	100 U	100 U	100 U	500 U	50 U	130 U	5.0 U	50 U	50 U	13 U	5.0 U	25 U	13 U	25 U	25 U	25 U	25 U	13 U
Bromomethane (Methyl bromide)	µg/L	5-[B]	50 U	130 U	100 U	100 U	100 U	500 U	50 U	130 U	5.0 U	50 U	50 U	13 U	5.0 U	25 U	13 U	25 U	25 U	25 U	25 U	13 U
Butylbenzene, n-	µg/L	5-[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25 U	-	-	-	-
Butylbenzene, sec- (2-Phenylbutane)	µg/L	5-[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25 U	-	-	-	-
Butylbenzene, tert-	µg/L	5-[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25 U	-	-	-	-
Carbon Disulfide	µg/L	60[A]	100 U	250 U	200 U	200 U	200 U	1,000 U	100 U	250 U	10 U	100 U	100 U	25 U	10 U	50 U	25 U	50 U	50 U	50 U	50 U	25 U
Carbon Tetrachloride (Tetrachloromethane)	µg/L	5[B]	50 U	130 U	100 U	100 U	100 U	500 U	50 U	130 U	5.0 U	50 U	50 U	13 U	5.0 U	25 U	13 U	25 U	25 U	25 U	25 U	13 U
Chlorobenzene (Monochlorobenzene)	µg/L	5-[B]	50 U	130 U	100 U	100 U	100 U	500 U	50 U	130 U	5.0 U	50 U	50 U	13 U	5.0 U	25 U	13 U	25 U	25 U	25 U	25 U	13 U
Chlorobromomethane	µg/L	5-[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25 U	-	-	-	-
Chloroethane (Ethyl Chloride)	µg/L	5-[B]	50 U	130 U	100 U	100 U	100 U	500 U	50 U	130 U	5.0 U	50 U	50 U	13 U	5.0 U	25 U	13 U	25 U	25 U	25 U	25 U	13 U
Chloroform (Trichloromethane)	µg/L	7[B]	50 U	130 U	100 U	100 U	100 U	500 U	50 U	130 U	5.0 U	50 U	50 U	13 U	5.0 U	25 U	13 U	25 U	25 U	25 U	25 U	13 U
Chloromethane	µg/L	5-[B]	50 U	130 U	100 U	100 U	100 U	500 U	50 U	130 U	5.0 U	50 U	50 U	13 U	5.0 U	25 U	13 U	25 U	25 U	25 U	25 U	13 U
Cyclohexane	µg/L	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50 U	-	-	-	-
Dibromo-3-Chloropropane, 1,2- (DBCP)	µg/L	0.04[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25 U	-	-	-	-
Dibromochloromethane	µg/L	50[A]	50 U	130 U	100 U	100 U	100 U	500 U	50 U	130 U	5.0 U	50 U	50 U	13 U	5.0 U	25 U	13 U	25 U	25 U	25 U	25 U	13 U
Dichlorobenzene, 1,2-	µg/L	3[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25 U	-	-	-	-
Dichlorobenzene, 1,3-	µg/L	3[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25 U	-	-	-	-
Dichlorobenzene, 1,4-	µg/L	3[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25 U	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/L	5-[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25 U	-	-	-	-
Dichloroethane, 1,1-	µg/L	5-[B]	**55[B]**	130 U	100 U	100 U	**160[B]**	500 U	50 U	**93 J[B]**	5.0 U	50 U	50 U	13 U	5.0 U	**27[B]**	13 U	25 U	25 U	25 U	**29[B]**	**14[B]**
Dichloroethane, 1,2-	µg/L	0.6[B]	50 U	130 U	100 U	100 U	100 U	500 U	50 U	130 U	5.0 U	50 U	50 U	13 U	5.0 U	25 U	13 U	25 U	25 U	25 U	25 U	13 U
Dichloroethene, 1,1-	µg/L	5-[B]	50 U	130 U	100 U	100 U	100 U	500 U	50 U	**16 J[B]**	5.0 U	50 U	50 U	13 U	5.0 U	25 U	13 U	25 U	25 U	25 U	25 U	13 U
Dichloroethene, cis-1,2-	µg/L	5-[B]	**51[B]**	130 U	100 U	100 U	**110[B]**	500 U	50 U	**67 J[B]**	5.0 U	50 U	50 U	**15[B]**	**11[B]**	**27[B]**	**21[B]**	25 U	**25[B]**	**28[B]**	**31[B]**	**49[B]**
Dichloroethene, trans-1,2-	µg/L	5-[B]	50 U	130 U	100 U	100 U	100 U	500 U	50 U	**38 J[B]**	**5.4[B]**	50 U	50 U	13 U	5.0 U	25 U	**18[B]**	25 U	25 U	25 U	25 U	**31[B]**
Dichloropropane, 1,2-	µg/L	1[B]	50 U	130 U	100 U	100 U	100 U	500 U	50 U	130 U	5.0 U	50 U	50 U	13 U	5.0 U	25 U	13 U	25 U	25 U	25 U	25 U	13 U
Dichloropropene, cis-1,3-	µg/L	0.4$_{ns}$[B]	50 U	130 U	100 U	100 U	100 U	500 U	50 U	130 U	5.0 U	50 U	50 U	13 U	5.0 U	25 U	13 U	25 U	25 U	25 U	25 U	13 U
Dichloropropene, trans-1,3-	µg/L	0.4$_{ns}$[B]	50 U	130 U	100 U	100 U	100 U	500 U	50 U	130 U	5.0 U	50 U	50 U	13 U	5.0 U	25 U	13 U	25 U	25 U	25 U	25 U	13 U
Dioxane, 1,4-	µg/L	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	500 U	-	-	-	-
Ethylbenzene	µg/L	5-[B]	50 U	130 U	100 U	100 U	100 U	500 U	50 U	130 U	5.0 U	50 U	50 U	13 U	5.0 U	25 U	13 U	25 U	25 U	25 U	25 U	13 U
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	0.0006[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25 U	-	-	-	-
Hexanone, 2- (Methyl Butyl Ketone)	µg/L	50[A]	100 U	250 U	200 U	200 U	200 U	1,000 U	100 U	250 U	10 U	100 U	100 U	25 U	10 U	50 U	25 U	50 U	50 U	50 U	50 U	25 U
Isopropylbenzene	µg/L	5-[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25 U	-	-	-	-
Isopropyltoluene, p- (Cymene)	µg/L	5-[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25 U	-	-	-	-
Methyl Acetate	µg/L	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50 U	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	50[A]	100 U	250 U	200 U	200 U	200 U	1,000 U	100 U	250 U	10 U	100 U	100 U	25 U	10 U	50 U	25 U	50 U	50 U	50 U	50 U	25 U
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	100 U	250 U	200 U	200 U	200 U	1,000 U	100 U	250 U	10 U	100 U	100 U	25 U	10 U	50 U	25 U	50 U	50 U	50 U	50 U	25 U
Methyl tert-butyl ether (MTBE)	µg/L	10[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25 U	-	-	-	-
Methylcyclohexane	µg/L	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50 U	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/L	5-[B]	50 U	130 U	100 U	100 U	100 U	500 U	50 U	130 U	5.0 U	50 U	50 U	13 U	5.0 U	25 U	13 U	25 U	25 U	25 U	25 U	13 U
Naphthalene	µg/L	10[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25 U	-	-	-	-
Propylbenzene, n-	µg/L	5-[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25 U	-	-	-	-
Styrene	µg/L	5-[B]	50 U	130 U	100 U	100 U	100 U	500 U	50 U	130 U	5.0 U	50 U	50 U	13 U	5.0 U	25 U	13 U	25 U	25 U	25 U	25 U	13 U
Tetrachloroethane, 1,1,2,2-	µg/L	5-[B]	50 U	130 U	100 U	100 U	100 U	500 U	50 U	130 U	5.0 U	50 U	50 U	13 U	5.0 U	25 U	13 U	25 U	25 U	25 U	25 U	13 U
Tetrachloroethene (PCE)	µg/L	5-[B]	50 U	130 U	100 U	100 U	100 U	500 U	50 U	130 U	5.0 U	50 U	50 U	13 U	5.0 U	25 U	13 U	25 U	25 U	25 U	25 U	13 U
Toluene	µg/L	5-[B]	50 U	130 U	100 U	100 U	100 U	500 U	50 U	130 U	5.0 U	50 U	50 U	13 U	5.0 U	25 U	13 U	25 U	25 U	25 U	25 U	13 U
Trichlorobenzene, 1,2,3-	µg/L	5-[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25 U	-	-	-	-
Trichlorobenzene, 1,2,4-	µg/L	5-[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25 U	-	-	-	-
Trichloroethane, 1,1,1-	µg/L	5-[B]	50 U	130 U	100 U	100 U	100 U	500 U	50 U	130 U	5.0 U	50 U	50 U	13 U	5.0 U	25 U	13 U	25 U	25 U	25 U	25 U	13 U
Trichloroethane, 1,1,2-	µg/L	1[B]	50 U	130 U	100 U	100 U	100 U	500 U	50 U	130 U	5.0 U	50 U	50 U	13 U	5.0 U	25 U	13 U	25 U	25 U	25 U	25 U	13 U
Trichloroethene (TCE)	µg/L	5-[B]	**2,600 E[B]**	**2,300 D[B]**	**2,100[B]**	**2,200[B]**	**8,500 E[B]**	**8,300 D[B]**	**1,600[B]**	**2,900[B]**	**63[B]**	**1,900[B]**	**760[B]**	**300[B]**	**48[B]**	**1,600 D[B]**	**360[B]**	**820[B]**	**440[B]**	**460[B]**	**1,300 D[B]**	**400[B]**
Trichlorofluoromethane (Freon 11)	µg/L	5-[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25 U	-	-	-	-
Trichlorotrifluoroethane (Freon 113)	µg/L	5-[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25 U	-	-	-	-
Trimethylbenzene, 1,2,4-	µg/L	5-[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25 U	-	-	-	-
Trimethylbenzene, 1,3,5-	µg/L	5-[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25 U	-	-	-	-
Vinyl Chloride	µg/L	2[B]	50 U	130 U	100 U	100 U	100 U	500 U	50 U	130 U	5.0 U	50 U	50 U	13 U	5.0 U	25 U	13 U	25 U	25 U	25 U	25 U	13 U
Xylene, m & p-	µg/L	5-[B]	50 U	130 U	100 U	100 U	100 U	500 U	50 U	130 U	5.0 U	50 U	50 U	13 U	5.0 U	25 U	13 U	25 U	25 U	25 U	25 U	13 U
Xylene, o-	µg/L	5-[B]	50 U	130 U	100 U	100 U	100 U	500 U	50 U	130 U	5.0 U	50 U	50 U	13 U	5.0 U	25 U	13 U	25 U	25 U	25 U	25 U	13 U
Total VOC	µg/L	n/v	2,706	2,300	2,100	2,200	8,770	8,300	1,600	3,114	68.4	1,900	760	315	59	1,654	399	820	465	488	1,360	494

See notes on last page.

Table 2
Summary of Analytical Results in Groundwater - July 2005 through June 2024
Rochester Technology Park,
Building 4, Rochester, NY

Sample Location			MW203 (Continued)								MW205											
Sample Date			19-Jan-22	19-Jan-22	27-Jul-22	25-Jan-23	25-Jan-23	25-Jul-23	25-Jul-23	23-Jan-24	26-Feb-14	26-Feb-14	22-Jul-14	22-Jan-15	22-Jul-15	12-Jan-16	2-Aug-16	30-Jan-17	27-Jul-17	8-Jan-18	10-Jul-18	7-Feb-19	25-Jul-19
Sample ID			RTP-MW203-GW	RTP-MW203-GW	RTP-MW203-GW	RTP-MW203-GW	RTP-MW203-GW	RTP-MW203-GW	RTP-MW203-GW	RTP-MW203-GW	RTP-MW205-GW-#01	RTP-MW205-GW-#01DL	RTP-MW205-GW	RTP-MW205-GW-#01	RTP-MW205-GW	RTP-MW205-GW-#-01	RTP-MW205-GW	RTP-MW205-GW	RTP-MW205-GW	RTP-MW205-GW	RTP-MW205-GW	RTP-MW205-GW	RTP-MW205-GW
Sampling Company			STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			ALS	ALS	ALS	ALS	ALS	ALS	ALS	ALS	CASR	CASR	CASR	CASR	ALS	ALS	ALS	ALS	ALS	ALS	ALS	ALS	ALS
Laboratory Work Order			R2200512	R2200512	R2206998	R2300646	R2300646	R2306651	R2306651-002	R2400623	R1401361	R1401361	R1405659	R1500543	R1505937	R1600320	R1608007	R1700811	R1706951	R1800171	R1806502	R1901144	R1907029
Laboratory Sample ID			R2200512-003	R2200512-003	R2206998-003	R2300646-003	R2300646-003	R2306651-002	R2306651-002	R2400623-003	R1401361-002	R1401361-002	R1405659-006	R1500543-002	R1505937-001	R1600320-002	R1608007-005	R1700811-003	R1706951-006	R1800171-003	R1806502-002	R1901144-004	R1907029-001
Sample Type	Units	TOGS	Initial	Reanalysis	Initial	Initial	Reanalysis	Initial *	Reanalysis *	Initial	initial	Reanalysis	Initial	Initial	Initial	Initial	Initial	Initial	Initial	Initial	Initial	Initial	Initial
Volatile Organic Compounds																							
Acetone	µg/L	50[A]	50 U	100 U	25 U	20 U	200 U	10 U	50 U	100 U	100 U	250 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Benzene	µg/L	1[B]	25 U	50 U	13 U	10 U	100 U	5.0 U	25 U	50 U	50 U	130 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Bromodichloromethane	µg/L	50[A]	25 U	50 U	13 U	10 U	100 U	5.0 U	25 U	50 U	50 U	130 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Bromoform (Tribromomethane)	µg/L	50[A]	25 U	50 U	13 U	10 U	100 U	5.0 U	25 U	50 U	50 U	130 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Bromomethane (Methyl bromide)	µg/L	5[B]	25 U	50 U	13 U	10 U	100 U	5.0 U	25 U	50 U	50 U	130 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Butylbenzene, n-	µg/L	5[B]	25 U	50 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Butylbenzene, sec- (2-Phenylbutane)	µg/L	5[B]	25 U	50 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Butylbenzene, tert-	µg/L	5[B]	25 U	50 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Disulfide	µg/L	60[A]	50 U	100 U	25 U	20 U	200 U	10 U	50 U	100 U	100 U	250 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Carbon Tetrachloride (Tetrachloromethane)	µg/L	5[B]	25 U	50 U	13 U	10 U	100 U	5.0 U	25 U	50 U	50 U	130 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Chlorobenzene (Monochlorobenzene)	µg/L	5[B]	25 U	50 U	13 U	10 U	100 U	5.0 U	25 U	50 U	50 U	130 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Chlorobromomethane	µg/L	5[B]	25 U	50 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroethane (Ethyl Chloride)	µg/L	5[B]	25 U	50 U	13 U	10 U	100 U	5.0 U	25 U	50 U	50 U	130 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Chloroform (Trichloromethane)	µg/L	7[B]	25 U	50 U	13 U	10 U	100 U	5.0 U	25 U	50 U	50 U	130 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Chloromethane	µg/L	5[B]	25 U	50 U	13 U	10 U	100 U	5.0 U	25 U	50 U	50 U	130 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Cyclohexane	µg/L	n/v	50 U	100 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromo-3-Chloropropane, 1,2- (DBCP)	µg/L	0.04[B]	25 U	50 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	50[A]	25 U	50 U	13 U	10 U	100 U	5.0 U	25 U	50 U	50 U	130 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Dichlorobenzene, 1,2-	µg/L	3[B]	25 U	50 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/L	3[B]	25 U	50 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/L	3[B]	25 U	50 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/L	5[B]	25 U	50 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/L	5[B]	**27[B]**	50 U	13 U	**46[B]**	100 U	**22[B]**	25 U	50 U	50 U	130 U	25 U	25 U	25 U	**22 J[B]**	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Dichloroethane, 1,2-	µg/L	0.6[B]	25 U	50 U	13 U	10 U	100 U	5.0 U	25 U	50 U	50 U	130 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Dichloroethene, 1,1-	µg/L	5[B]	25 U	50 U	13 U	10 U	100 U	**15[B]**	25 U	50 U	50 U	130 U	25 U	25 U	25 U	3.5 J	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Dichloroethene, cis-1,2-	µg/L	5[B]	**38[B]**	50 U	**36[B]**	**41[B]**	100 U	**76[B]**	**75 D[B]**	50 U	50 U	130 U	25 U	25 U	**39[B]**	**23 J[B]**	25 U	**27[B]**	25 U	25 U	25 U	25 U	25 U
Dichloroethene, trans-1,2-	µg/L	5[B]	**25[B]**	50 U	**18[B]**	**20[B]**	100 U	**32[B]**	**30 D[B]**	50 U	50 U	130 U	**35[B]**	**41[B]**	**74[B]**	**31[B]**	**48[B]**	**30[B]**	**33[B]**	**43[B]**	**52[B]**	25 U	**42[B]**
Dichloropropane, 1,2-	µg/L	1[B]	25 U	50 U	13 U	10 U	100 U	5.0 U	25 U	50 U	50 U	130 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Dichloropropene, cis-1,3-	µg/L	0.4$_b$[B]	25 U	50 U	13 U	10 U	100 U	5.0 U	25 U	50 U	50 U	130 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Dichloropropene, trans-1,3-	µg/L	0.4$_b$[B]	25 U	50 U	13 U	10 U	100 U	5.0 U	25 U	50 U	50 U	130 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Dioxane, 1,4-	µg/L	n/v	500 U	1,000 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/L	5[B]	25 U	50 U	13 U	10 U	100 U	5.0 U	25 U	50 U	50 U	130 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	0.0006[B]	25 U	50 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexanone, 2- (Methyl Butyl Ketone)	µg/L	50[A]	50 U	100 U	25 U	20 U	200 U	10 U	50 U	100 U	100 U	250 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Isopropylbenzene	µg/L	5[B]	25 U	50 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isopropyltoluene, p- (Cymene)	µg/L	5[B]	25 U	50 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Acetate	µg/L	n/v	50 U	100 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	50[A]	50 U	100 U	25 U	20 U	200 U	10 U	50 U	100 U	100 U	250 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	50 U	100 U	25 U	20 U	200 U	10 U	50 U	100 U	100 U	250 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Methyl tert-butyl ether (MTBE)	µg/L	10[A]	25 U	50 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylcyclohexane	µg/L	n/v	50 U	100 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/L	5[B]	25 U	50 U	13 U	10 U	100 U	5.0 U	25 U	50 U	50 U	130 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Naphthalene	µg/L	10[B]	25 U	50 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Propylbenzene, n-	µg/L	5[B]	25 U	50 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	5[B]	25 U	50 U	13 U	10 U	100 U	5.0 U	25 U	50 U	50 U	130 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Tetrachloroethane, 1,1,2,2-	µg/L	5[B]	25 U	50 U	13 U	10 U	100 U	5.0 U	25 U	50 U	50 U	130 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Tetrachloroethene (PCE)	µg/L	5[B]	25 U	50 U	13 U	10 U	100 U	5.0 U	25 U	50 U	50 U	130 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Toluene	µg/L	5[B]	25 U	50 U	13 U	10 U	100 U	5.0 U	25 U	50 U	50 U	130 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Trichlorobenzene, 1,2,3-	µg/L	5[B]	25 U	50 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichlorobenzene, 1,2,4-	µg/L	5[B]	25 U	50 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/L	5[B]	25 U	50 U	13 U	10 U	100 U	5.0 U	25 U	50 U	50 U	130 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Trichloroethane, 1,1,2-	µg/L	1[B]	25 U	50 U	13 U	10 U	100 U	5.0 U	25 U	50 U	50 U	130 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Trichloroethene (TCE)	µg/L	5[B]	**1,100 E[B]**	**1,100 D[B]**	**230[B]**	**1,900 E[B]**	**1,700 D[B]**	**790 E[B]**	**750 D[B]**	**1,300[B]**	**2,500 E[B]**	**2,400 D[B]**	**940[B]**	**750[B]**	**760[B]**	**1,000 D[B]**	**580[B]**	**1,500 D[B]**	**580[B]**	**570[B]**	**550[B]**	**770[B]**	**720[B]**
Trichlorofluoromethane (Freon 11)	µg/L	5[B]	25 U	50 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichlorotrifluoroethane (Freon 113)	µg/L	5[B]	25 U	50 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trimethylbenzene, 1,2,4-	µg/L	5[B]	25 U	50 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trimethylbenzene, 1,3,5-	µg/L	5[B]	25 U	50 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/L	2[B]	25 U	50 U	13 U	10 U	100 U	**9.5[B]**	25 U	50 U	50 U	130 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Xylene, m & p-	µg/L	5[B]	25 U	50 U	13 U	10 U	100 U	5.0 U	25 U	50 U	50 U	130 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Xylene, o-	µg/L	5[B]	25 U	50 U	13 U	10 U	100 U	5.0 U	25 U	50 U	50 U	130 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Total VOC	µg/L	n/v	1,190	1,100	284	2,007	1,700	944.5	855	1,300	2,500	2,400	975	791	873	1,079.5	628	1,557	613	613	602	770	762

See notes on last page.

Table 2
Summary of Analytical Results in Groundwater - July 2005 through June 2024
Rochester Technology Park,
Building 4, Rochester, NY

Sample Location			MW205 (Continued)											MW207									
Sample Date			3-Feb-20	29-Jul-20	13-Jan-21	8-Jul-21	19-Jan-22	27-Jul-22	25-Jan-23	25-Jan-23	26-Jul-23	26-Jul-23	24-Jan-24	22-Jul-14	22-Jul-15	2-Aug-16	28-Jul-17	11-Jul-18	25-Jul-19	25-Jul-19	29-Jul-20	8-Jul-21	8-Jul-21
Sample ID			RTP-MW205-GW	RTP-MW205-GW	RTP-MW205-GW	RTP-MW205-GW	RTP-MW205-GW	RTP-MW205-GW	RTP-MW205-GW	RTP-MW205-GW	RTP-MW205-GW	RTP-MW205-GW	RTP-MW205-GW	RTP-MW207-GW	RTP-MW207-GW	RTP-MW207-GW	RTP-MW207-GW	RTP-MW207-GW	RTP-MW207-GW	RTP-MW-GW-D	RTP-MW207-GW	RTP-MW207-GW	RTP-DUP-GW
Sampling Company			STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			ALS	ALS	ALS	ALS	ALS	ALS	ALS	ALS	ALS	ALS	ALS	CASR	ALS	ALS	ALS	ALS	ALS	ALS	ALS	ALS	ALS
Laboratory Work Order			R2000943	R2006693	R2100349	R2106876	R2200512	R2206998	R2300646	R2300646	R2306651	R2306651	R2400623	R1405659	R1505937	R1608007	R1706951	R1806502	R1907029	R1907029	R2006693	R2106876	R2106876
Laboratory Sample ID			R2000943-004	R2006693-007	R2100349-002	R2106876-005	R2200512-002	R2206998-004	R2300646-002	R2300646-002	R2306651-007	R2306651-007	R2400623-002	R1405659-009	R1505937-003	R1608007-006	R1706951-008	R1806502-004	R1907029-002	R1907029-004	R2006693-009	R2106876-006	R2106876-007
Sample Type	Units	TOGS	Initial	Initial	Initial	Initial	Initial	Initial	Initial	Reanalysis	Initial *	Reanalysis *	Initial	Initial	Initial	Initial	Initial	Initial	Initial	Field Duplicate	Initial	Initial	Field Duplicate
Volatile Organic Compounds																							
Acetone	µg/L	50[A]	50 U	25 U	25 U	50 U	50 U	50 U	50 U	200 U	50 U	100 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	µg/L	1[B]	25 U	13 U	13 U	25 U	25 U	25 U	25 U	100 U	25 U	50 U	25 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromodichloromethane	µg/L	50[A]	25 U	13 U	13 U	25 U	25 U	25 U	25 U	100 U	25 U	50 U	25 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromoform (Tribromomethane)	µg/L	50[A]	25 U	13 U	13 U	25 U	25 U	25 U	25 U	100 U	25 U	50 U	25 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromomethane (Methyl bromide)	µg/L	5-[B]	25 U	13 U	13 U	25 U	25 U	25 U	25 U	100 U	25 U	50 U	25 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Butylbenzene, n-	µg/L	5-[B]	25 U	-	-	-	25 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Butylbenzene, sec- (2-Phenylbutane)	µg/L	5-[B]	25 U	-	-	-	25 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Butylbenzene, tert-	µg/L	5-[B]	25 U	-	-	-	25 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Disulfide	µg/L	60[A]	50 U	25 U	25 U	50 U	50 U	50 U	50 U	200 U	50 U	100 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbon Tetrachloride (Tetrachloromethane)	µg/L	5[B]	25 U	13 U	13 U	25 U	25 U	25 U	25 U	100 U	25 U	50 U	25 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chlorobenzene (Monochlorobenzene)	µg/L	5-[B]	25 U	13 U	13 U	25 U	25 U	25 U	25 U	100 U	25 U	50 U	25 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chlorobromomethane	µg/L	5-[B]	25 U	-	-	-	25 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroethane (Ethyl Chloride)	µg/L	5-[B]	25 U	13 U	13 U	25 U	25 U	25 U	25 U	100 U	25 U	50 U	25 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroform (Trichloromethane)	µg/L	7[B]	25 U	13 U	13 U	25 U	25 U	25 U	25 U	100 U	25 U	50 U	25 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloromethane	µg/L	5-[B]	25 U	13 U	13 U	25 U	25 U	25 U	25 U	100 U	25 U	50 U	25 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Cyclohexane	µg/L	n/v	50 U	-	-	-	50 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromo-3-Chloropropane, 1,2- (DBCP)	µg/L	0.04[B]	25 U	-	-	-	25 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	50[A]	25 U	13 U	13 U	25 U	25 U	25 U	25 U	100 U	25 U	50 U	25 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dichlorobenzene, 1,2-	µg/L	3[B]	25 U	-	-	-	25 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/L	3[B]	25 U	-	-	-	25 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/L	3[B]	25 U	-	-	-	25 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/L	5-[B]	25 U	-	-	-	25 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/L	5-[B]	25 U	13 U	**24[B]**	25 U	25 U	25 U	**30[B]**	100 U	25 U	50 U	25 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dichloroethane, 1,2-	µg/L	0.6[B]	25 U	13 U	13 U	25 U	25 U	25 U	25 U	100 U	25 U	50 U	25 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dichloroethene, 1,1-	µg/L	5-[B]	25 U	13 U	13 U	25 U	25 U	25 U	25 U	100 U	25 U	50 U	25 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dichloroethene, cis-1,2-	µg/L	5-[B]	**28[B]**	**19[B]**	**29[B]**	25 U	25 U	25 U	**29[B]**	100 U	**27[B]**	50 U	25 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dichloroethene, trans-1,2-	µg/L	5-[B]	**32[B]**	**37[B]**	**37[B]**	25 U	25 U	**47[B]**	**27[B]**	100 U	**27[B]**	50 U	25 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dichloropropane, 1,2-	µg/L	1[B]	25 U	13 U	13 U	25 U	25 U	25 U	25 U	100 U	25 U	50 U	25 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dichloropropene, cis-1,3-	µg/L	0.4$_{tc}$[B]	25 U	13 U	13 U	25 U	25 U	25 U	25 U	100 U	25 U	50 U	25 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dichloropropene, trans-1,3-	µg/L	0.4$_{tc}$[B]	25 U	13 U	13 U	25 U	25 U	25 U	25 U	100 U	25 U	50 U	25 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dioxane, 1,4-	µg/L	n/v	500 U	-	-	-	500 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/L	5-[B]	25 U	13 U	13 U	25 U	25 U	25 U	25 U	100 U	25 U	50 U	25 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	0.0006[B]	25 U	-	-	-	25 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexanone, 2- (Methyl Butyl Ketone)	µg/L	50[A]	50 U	25 U	25 U	50 U	50 U	50 U	50 U	200 U	50 U	100 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Isopropylbenzene	µg/L	5-[B]	25 U	-	-	-	25 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isopropyltoluene, p- (Cymene)	µg/L	5-[B]	25 U	-	-	-	25 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Acetate	µg/L	n/v	50 U	-	-	-	50 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	50[A]	50 U	25 U	25 U	50 U	50 U	50 U	50 U	200 U	50 U	100 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	50 U	25 U	25 U	50 U	50 U	50 U	50 U	200 U	50 U	100 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl tert-butyl ether (MTBE)	µg/L	10[A]	25 U	-	-	-	25 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylcyclohexane	µg/L	n/v	50 U	-	-	-	50 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/L	5-[B]	25 U	13 U	13 U	25 U	25 U	25 U	25 U	100 U	25 U	50 U	25 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Naphthalene	µg/L	10[B]	25 U	-	-	-	25 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Propylbenzene, n-	µg/L	5-[B]	25 U	-	-	-	25 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	5-[B]	25 U	13 U	13 U	25 U	25 U	25 U	25 U	100 U	25 U	50 U	25 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Tetrachloroethane, 1,1,2,2-	µg/L	5-[B]	25 U	13 U	13 U	25 U	25 U	25 U	25 U	100 U	25 U	50 U	25 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Tetrachloroethene (PCE)	µg/L	5-[B]	25 U	13 U	13 U	25 U	25 U	25 U	25 U	100 U	25 U	50 U	25 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Toluene	µg/L	5-[B]	25 U	13 U	13 U	25 U	25 U	25 U	25 U	100 U	25 U	50 U	25 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Trichlorobenzene, 1,2,3-	µg/L	5-[B]	25 U	-	-	-	25 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichlorobenzene, 1,2,4-	µg/L	5-[B]	25 U	-	-	-	25 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/L	5-[B]	25 U	13 U	13 U	25 U	25 U	25 U	25 U	100 U	25 U	50 U	25 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Trichloroethane, 1,1,2-	µg/L	1[B]	25 U	13 U	13 U	25 U	25 U	25 U	25 U	100 U	25 U	50 U	25 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Trichloroethene (TCE)	µg/L	5-[B]	**1,100 D[B]**	**420[B]**	**1,200 D[B]**	**680[B]**	**510[B]**	**400[B]**	**1,700 E[B]**	**1,600 D[B]**	**1,100 E[B]**	**1,100 D[B]**	**630[B]**	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Trichlorofluoromethane (Freon 11)	µg/L	5-[B]	25 U	-	-	-	25 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichlorotrifluoroethane (Freon 113)	µg/L	5-[B]	25 U	-	-	-	25 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trimethylbenzene, 1,2,4-	µg/L	5-[B]	25 U	-	-	-	25 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trimethylbenzene, 1,3,5-	µg/L	5-[B]	25 U	-	-	-	25 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/L	2[B]	25 U	13 U	13 U	25 U	25 U	25 U	25 U	100 U	25 U	50 U	25 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Xylene, m & p-	µg/L	5-[B]	25 U	13 U	13 U	25 U	25 U	25 U	25 U	100 U	25 U	50 U	25 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Xylene, o-	µg/L	5-[B]	25 U	13 U	13 U	25 U	25 U	25 U	25 U	100 U	25 U	50 U	25 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Total VOC	µg/L	n/v	1,160	476	1,290	680	510	447	1,786	1,600	1,154	1,100	630	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

See notes on last page.

Table 2
Summary of Analytical Results in Groundwater - July 2005 through June 2024
Rochester Technology Park,
Building 4, Rochester, NY

Sample Location			MW208													MW212						
Sample Date			22-Jul-14	23-Jul-15	1-Aug-16	1-Aug-16	27-Jul-17	27-Jul-17	11-Jul-18	25-Jul-19	29-Jul-20	8-Jul-21	27-Jul-22	27-Jul-22	25-Jul-23	23-Jul-14	23-Jul-14	23-Jul-15	2-Aug-16	28-Jul-17	11-Jul-18	11-Jul-18
Sample ID			RTP-MW208-GW	RTP-MW208-GW	RTP-MW208-GW	RTP-MW208-GW-D	RTP-MW208-GW	RTP-MW208-GW-D	RTP-MW208-GW	RTP-MW208-GW	RTP-MW208-GW	RTP-MW208-GW	RTP-MW208-GW	RTP-DUP-GW	RTP-MW208-GW	RTP-MW212-GW	RTP-MW212-GW	RTP-MW212-GW	RTP-MW212-GW	RTP-MW212-GW	RTP-MW212-GW	RTP-MW212-GW-D
Sampling Company			STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			CASR	ALS	ALS	ALS	ALS	ALS	ALS	ALS	ALS	ALS	ALS	ALS	ALS	CASR	CASR	ALS	ALS	ALS	ALS	ALS
Laboratory Work Order			R1405659	R1506017	R1608007	R1608007	R1706951	R1706951	R1806502	R1907029	R2006693	R2106876	R2206998	R2206998	R2306651	R1405659	R1405659	R1506017	R1608007	R1706951	R1806502	R1806502
Laboratory Sample ID			R1405659-010	R1506017-006	R1608007-002	R1608007-003	R1706951-004	R1706951-005	R1806502-005	R1907029-006	R2006693-010	R2106876-010	R2206998-005	R2206998-006	R2306651-003	R1405659-002	R1405659-002	R1506017-003	R1608007-007	R1706951-009	R1806502-006	R1806502-007
Sample Type	Units	TOGS	Initial	Initial	Initial	Initial Field Duplicate	Initial	Initial Field Duplicate	Initial	Initial	Initial	Initial	Initial	Initial Field Duplicate	*	Initial	Reextract	Initial	Initial	Initial	Initial	Initial Field Duplicate
Volatile Organic Compounds																						
Acetone	µg/L	50[A]	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	µg/L	1[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromodichloromethane	µg/L	50[A]	11	9.8	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	6.7	6.2	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromoform (Tribromomethane)	µg/L	50[A]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromomethane (Methyl bromide)	µg/L	5--[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Butylbenzene, n-	µg/L	5--[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Butylbenzene, sec- (2-Phenylbutane)	µg/L	5--[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Butylbenzene, tert-	µg/L	5--[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Disulfide	µg/L	60[A]	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbon Tetrachloride (Tetrachloromethane)	µg/L	5[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chlorobenzene (Monochlorobenzene)	µg/L	5--[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chlorobromomethane	µg/L	5--[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroethane (Ethyl Chloride)	µg/L	5--[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroform (Trichloromethane)	µg/L	7[B]	**23[B]**	**18[B]**	**19[B]**	**18[B]**	**19[B]**	**20[B]**	5.0 U	**12[B]**	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	**15[B]**	**15[B]**	5.0 U	**8.5[B]**	7.0	5.0 U	5.0 U
Chloromethane	µg/L	5--[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Cyclohexane	µg/L	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromo-3-Chloropropane, 1,2- (DBCP)	µg/L	0.04[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	50[A]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dichlorobenzene, 1,2-	µg/L	3[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/L	3[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/L	3[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/L	5--[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/L	5--[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dichloroethane, 1,2-	µg/L	0.6[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dichloroethene, 1,1-	µg/L	5--[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dichloroethene, cis-1,2-	µg/L	5--[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dichloroethene, trans-1,2-	µg/L	5--[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dichloropropane, 1,2-	µg/L	1[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dichloropropene, cis-1,3-	µg/L	0.4$_{o}$[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dichloropropene, trans-1,3-	µg/L	0.4$_{o}$[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dioxane, 1,4-	µg/L	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/L	5--[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	0.0006[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexanone, 2- (Methyl Butyl Ketone)	µg/L	50[A]	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Isopropylbenzene	µg/L	5--[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isopropyltoluene, p- (Cymene)	µg/L	5--[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Acetate	µg/L	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	50[A]	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl tert-butyl ether (MTBE)	µg/L	10[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylcyclohexane	µg/L	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/L	5--[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Naphthalene	µg/L	10[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Propylbenzene, n-	µg/L	5--[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	5--[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Tetrachloroethane, 1,1,2,2-	µg/L	5--[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Tetrachloroethene (PCE)	µg/L	5--[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Toluene	µg/L	5--[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Trichlorobenzene, 1,2,3-	µg/L	5--[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichlorobenzene, 1,2,4-	µg/L	5--[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/L	5--[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Trichloroethane, 1,1,2-	µg/L	1[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Trichloroethene (TCE)	µg/L	5--[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	**5.6[B]**	5.0 U	**5.7[B]**	**9.0[B]**	5.0 U	5.0 U	**7.6[B]**	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Trichlorofluoromethane (Freon 11)	µg/L	5--[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichlorotrifluoroethane (Freon 113)	µg/L	5--[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trimethylbenzene, 1,2,4-	µg/L	5--[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trimethylbenzene, 1,3,5-	µg/L	5--[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/L	2[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Xylene, m & p-	µg/L	5--[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Xylene, o-	µg/L	5--[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Total VOC	µg/L	n/v	34	27.8	19	18	19	20	5.6	12	5.7	9.0	ND	ND	7.6	21.7	21.2	ND	8.5	7	ND	ND

See notes on last page.

Table 2
Summary of Analytical Results in Groundwater - July 2005 through June 2024
Rochester Technology Park,
Building 4, Rochester, NY

Sample Location			MW212 (Continued)					MW213											
Sample Date			26-Jul-19	29-Jul-20	7-Jul-21	27-Jul-22	26-Jul-23	23-Jul-14	23-Jul-14	23-Jul-15	23-Jul-15	1-Aug-16	28-Jul-17	11-Jul-18	26-Jul-19	29-Jul-20	7-Jul-21	27-Jul-22	26-Jul-23
Sample ID			RTP-MW212-GW	RTP-MW212-GW	RTP-MW212-GW	RTP-MW212-GW	RTP-MW212-GW	RTP-MW213-GW	RTP-MW213-GW	RTP-MW213-GW	RTP-MW213-GW-S/D	RTP-MW213-GW	RTP-MW213-GW	RTP-MW213-GW	RTP-MW213-GW	RTP-MW213-GW	RTP-MW213-GW	RTP-MW213-GW	RTP-MW213-GW
Sampling Company			STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			ALS	ALS	ALS	ALS	ALS	CASR	CASR	ALS	ALS	ALS	ALS	ALS	ALS	ALS	ALS	ALS	ALS
Laboratory Work Order			R1907029	R2006693	R2106876	R2206998	R2306651	R1405659	R1405659	R1506017	R1506017	R1608007	R1706951	R1806502	R1907029	R2006693	R2106876	R2206998	R2306651
Laboratory Sample ID			R1907029-010	R2006693-006	R2106876-002	R2206998-007	R2306651-008	R1405659-001	R1405659-001	R1506017-001	R1506017-002	R1608007-004	R1706951-010	R1806502-008	R1907029-011	R2006693-008	R2106876-003	R2206998-008	R2306651-009
Sample Type	Units	TOGS	Initial	Initial	Initial	Initial	Initial *	Initial	Reextract	Initial	Field Duplicate	Initial	Initial	Initial	Initial	Initial	Initial	Initial	Initial *
Volatile Organic Compounds																			
Acetone	µg/L	50[A]	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	µg/L	1[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromodichloromethane	µg/L	50[A]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	6.1	5.7	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromoform (Tribromomethane)	µg/L	50[A]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromomethane (Methyl bromide)	µg/L	5--[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Butylbenzene, n-	µg/L	5--[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Butylbenzene, sec- (2-Phenylbutane)	µg/L	5--[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Butylbenzene, tert-	µg/L	5--[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Disulfide	µg/L	60[A]	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbon Tetrachloride (Tetrachloromethane)	µg/L	5[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chlorobenzene (Monochlorobenzene)	µg/L	5--[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chlorobromomethane	µg/L	5--[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroethane (Ethyl Chloride)	µg/L	5--[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroform (Trichloromethane)	µg/L	7[B]	**7.2[B]**	5.0 U	5.0 U	5.0 U	5.0 U	**14[B]**	**13[B]**	**10[B]**	**10[B]**	**15[B]**	**9.7[B]**	**7.8[B]**	**7.8[B]**	5.0 U	5.0 U	5.0 U	5.0 U
Chloromethane	µg/L	5--[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Cyclohexane	µg/L	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromo-3-Chloropropane, 1,2- (DBCP)	µg/L	0.04[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	50[A]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dichlorobenzene, 1,2-	µg/L	3[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/L	3[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/L	3[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/L	5--[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/L	5--[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dichloroethane, 1,2-	µg/L	0.6[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dichloroethene, 1,1-	µg/L	5--[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dichloroethene, cis-1,2-	µg/L	5--[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dichloroethene, trans-1,2-	µg/L	5--[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dichloropropane, 1,2-	µg/L	1[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dichloropropene, cis-1,3-	µg/L	0.4$_{n}$[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dichloropropene, trans-1,3-	µg/L	0.4$_{n}$[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dioxane, 1,4-	µg/L	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/L	5--[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	0.0006[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexanone, 2- (Methyl Butyl Ketone)	µg/L	50[A]	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Isopropylbenzene	µg/L	5--[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isopropyltoluene, p- (Cymene)	µg/L	5--[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Acetate	µg/L	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	50[A]	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl tert-butyl ether (MTBE)	µg/L	10[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylcyclohexane	µg/L	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/L	5--[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Naphthalene	µg/L	10[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Propylbenzene, n-	µg/L	5--[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	5--[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Tetrachloroethane, 1,1,2,2-	µg/L	5--[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Tetrachloroethene (PCE)	µg/L	5--[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Toluene	µg/L	5--[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Trichlorobenzene, 1,2,3-	µg/L	5--[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichlorobenzene, 1,2,4-	µg/L	5--[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/L	5--[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Trichloroethane, 1,1,2-	µg/L	1[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Trichloroethene (TCE)	µg/L	5--[B]	5.0 U	5.0 U	5.0 U	5.0 U	**6.8[B]**	5.0 U	5.0 U	**5.9[B]**	**6.0[B]**	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Trichlorofluoromethane (Freon 11)	µg/L	5--[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichlorotrifluoroethane (Freon 113)	µg/L	5--[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trimethylbenzene, 1,2,4-	µg/L	5--[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trimethylbenzene, 1,3,5-	µg/L	5--[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/L	2[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Xylene, m & p-	µg/L	5--[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Xylene, o-	µg/L	5--[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Total VOC	µg/L	n/v	7.2	ND	ND	ND	6.8	20.1	18.7	15.9	16	15	9.7	7.8	7.8	ND	ND	ND	ND

See notes on last page.

Table 2
Summary of Analytical Results in Groundwater - July 2005 through June 2024
Rochester Technology Park,
Building 4, Rochester, NY

Sample Location			PDW109									
Sample Date			23-Jul-14	23-Jul-15	28-Jul-17	26-Jul-19	29-Jul-20	8-Jul-21	26-Jul-23	26-Jul-23	4-Jun-24	4-Jun-24
Sample ID			RTP-PDW109-GW	RTP-PDW109-GW	RTP-PDW109-GW	RTP-PDW109-GW	RTP-PDW109-GW	RTP-PDW109-GW	RTP-PDW109-GW	RTP-DUP-GW	RTP-PDW109-GW	TRP-DUP-GW
Sampling Company			STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			CASR	ALS	ALS	ALS	ALS	ALS	ALS	ALS	ALS	ALS
Laboratory Work Order			R1405559	R1506017	R1706951	R1907029	R2006693	R2106876	R2306651	R2306651	R2404779	R2404779
Laboratory Sample ID			R1405659-003	R1506017-005	R1706951-007	R1907029-009	R2006693-005	R2106876-004	R2306651-005	R2306651-006	R2404779-001	R2404779-002
Sample Type	Units	TOGS	Initial	Initial	Initial	Initial	Initial	Initial	Initial *	Initial Field Duplicate *	Initial	Initial Field Duplicate
Volatile Organic Compounds												
Acetone	µg/L	50[A]	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U J-
Benzene	µg/L	1[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromodichloromethane	µg/L	50[A]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromoform (Tribromomethane)	µg/L	50[A]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromomethane (Methyl bromide)	µg/L	5--[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Butylbenzene, n-	µg/L	5--[B]	-	-	-	-	-	-	-	-	-	-
Butylbenzene, sec- (2-Phenylbutane)	µg/L	5--[B]	-	-	-	-	-	-	-	-	-	-
Butylbenzene, tert-	µg/L	5--[B]	-	-	-	-	-	-	-	-	-	-
Carbon Disulfide	µg/L	60[A]	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbon Tetrachloride (Tetrachloromethane)	µg/L	5[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chlorobenzene (Monochlorobenzene)	µg/L	5--[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chlorobromomethane	µg/L	5--[B]	-	-	-	-	-	-	-	-	-	-
Chloroethane (Ethyl Chloride)	µg/L	5--[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroform (Trichloromethane)	µg/L	7[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloromethane	µg/L	5--[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Cyclohexane	µg/L	n/v	-	-	-	-	-	-	-	-	-	-
Dibromo-3-Chloropropane, 1,2- (DBCP)	µg/L	0.04[B]	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	50[A]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dichlorobenzene, 1,2-	µg/L	3[B]	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/L	3[B]	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/L	3[B]	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/L	5--[B]	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/L	5--[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dichloroethane, 1,2-	µg/L	0.6[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dichloroethene, 1,1-	µg/L	5--[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dichloroethene, cis-1,2-	µg/L	5--[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dichloroethene, trans-1,2-	µg/L	5--[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dichloropropane, 1,2-	µg/L	1[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dichloropropene, cis-1,3-	µg/L	0.4$_o$[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dichloropropene, trans-1,3-	µg/L	0.4$_o$[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dioxane, 1,4-	µg/L	n/v	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/L	5--[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	0.0006[B]	-	-	-	-	-	-	-	-	-	-
Hexanone, 2- (Methyl Butyl Ketone)	µg/L	50[A]	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Isopropylbenzene	µg/L	5--[B]	-	-	-	-	-	-	-	-	-	-
Isopropyltoluene, p- (Cymene)	µg/L	5--[B]	-	-	-	-	-	-	-	-	-	-
Methyl Acetate	µg/L	n/v	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	50[A]	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl tert-butyl ether (MTBE)	µg/L	10[A]	-	-	-	-	-	-	-	-	-	-
Methylcyclohexane	µg/L	n/v	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/L	5--[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Naphthalene	µg/L	10[B]	-	-	-	-	-	-	-	-	-	-
Propylbenzene, n-	µg/L	5--[B]	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	5--[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Tetrachloroethane, 1,1,2,2-	µg/L	5--[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Tetrachloroethene (PCE)	µg/L	5--[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Toluene	µg/L	5--[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Trichlorobenzene, 1,2,3-	µg/L	5--[B]	-	-	-	-	-	-	-	-	-	-
Trichlorobenzene, 1,2,4-	µg/L	5--[B]	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/L	5--[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Trichloroethane, 1,1,2-	µg/L	1[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Trichloroethene (TCE)	µg/L	5--[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Trichlorofluoromethane (Freon 11)	µg/L	5--[B]	-	-	-	-	-	-	-	-	-	-
Trichlorotrifluoroethane (Freon 113)	µg/L	5--[B]	-	-	-	-	-	-	-	-	-	-
Trimethylbenzene, 1,2,4-	µg/L	5--[B]	-	-	-	-	-	-	-	-	-	-
Trimethylbenzene, 1,3,5-	µg/L	5--[B]	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/L	2[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Xylene, m & p-	µg/L	5--[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Xylene, o-	µg/L	5--[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Total VOC	µg/L	n/v	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

See notes on last page.

Table 2
Summary of Analytical Results in Groundwater - July 2005 through June 2024
Rochester Technology Park,
Building 4, Rochester, NY

Sample Location			PDW110												
Sample Date			26-Feb-14	26-Feb-14	23-Jul-14	22-Jan-15	23-Jul-15	23-Jul-15	12-Jan-16	2-Aug-16	30-Jan-17	27-Jul-17	8-Jan-18	10-Jul-18	7-Feb-19
Sample ID			RTP-PDW110-GW-#01	RTP-PDW110-GW-#01DL	RTP-PDW110-GW	RTP-PDW110-GW#01	RTP-PDW110-GW	RTP-PDW110-GWDL	RTP-PDW110-GW-#-01	RTP-PDW110-GW	RTP-PDW110-GW	RTP-PDW110-GW	RTP-PDW110-GW	RTP-PDW110-GW	RTP-PDW110-GW
Sampling Company			STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			CASR	CASR	CASR	CASR	ALS	ALS	ALS	ALS	ALS	ALS	ALS	ALS	ALS
Laboratory Work Order			R1401361	R1401361	R1405659	R1500543	R1506017	R1506017	R1600320	R1608007	R1700811	R1706951	R1800171	R1806502	R1901144
Laboratory Sample ID			R1401361-004	R1401361-004	R1405659-004	R1500543-003	R1506017-004	R1506017-004	R1600320-003	R1608007-008	R1700811-004	R1706951-003	R1800171-004	R1806502-003	R1901144-002
Sample Type	Units	TOGS	initial	Reanalysis	Initial	Initial	Initial	Dilution1	Initial	Initial	Initial	Initial	Initial	Initial	Initial
Volatile Organic Compounds															
Acetone	µg/L	50[A]	250 U	500 U	200 U	200 U	100 U	250 U	250 U	100 U	100 U	100 U	100 U	10 U	10 U
Benzene	µg/L	1[B]	130 U	250 U	100 U	100 U	50 U	130 U	130 U	50 U	50 U	50 U	50 U	5.0 U	5.0 U
Bromodichloromethane	µg/L	50[A]	130 U	250 U	100 U	100 U	50 U	130 U	130 U	50 U	50 U	50 U	50 U	5.0 U	5.0 U
Bromoform (Tribromomethane)	µg/L	50[A]	130 U	250 U	100 U	100 U	50 U	130 U	130 U	50 U	50 U	50 U	50 U	5.0 U	5.0 U
Bromomethane (Methyl bromide)	µg/L	5--[B]	130 U	250 U	100 U	100 U	50 U	130 U	130 U	50 U	50 U	50 U	50 U	5.0 U	5.0 U
Butylbenzene, n-	µg/L	5--[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Butylbenzene, sec- (2-Phenylbutane)	µg/L	5--[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Butylbenzene, tert-	µg/L	5--[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Disulfide	µg/L	60[A]	250 U	500 U	200 U	200 U	100 U	250 U	250 U	100 U	100 U	100 U	100 U	10 U	10 U
Carbon Tetrachloride (Tetrachloromethane)	µg/L	5[B]	130 U	250 U	100 U	100 U	50 U	130 U	130 U	50 U	50 U	50 U	50 U	5.0 U	5.0 U
Chlorobenzene (Monochlorobenzene)	µg/L	5--[B]	130 U	250 U	100 U	100 U	50 U	130 U	130 U	50 U	50 U	50 U	50 U	5.0 U	5.0 U
Chlorobromomethane	µg/L	5--[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroethane (Ethyl Chloride)	µg/L	5--[B]	130 U	250 U	100 U	100 U	50 U	130 U	130 U	50 U	50 U	50 U	50 U	5.0 U	5.0 U
Chloroform (Trichloromethane)	µg/L	7[B]	130 U	250 U	100 U	100 U	50 U	130 U	7.0 J	50 U	50 U	50 U	50 U	5.0 U	5.0 U
Chloromethane	µg/L	5--[B]	130 U	250 U	100 U	100 U	50 U	130 U	130 U	50 U	50 U	50 U	50 U	5.0 U	5.0 U
Cyclohexane	µg/L	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromo-3-Chloropropane, 1,2- (DBCP)	µg/L	0.04[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	50[A]	130 U	250 U	100 U	100 U	50 U	130 U	130 U	50 U	50 U	50 U	50 U	5.0 U	5.0 U
Dichlorobenzene, 1,2-	µg/L	3[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/L	3[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/L	3[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/L	5--[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/L	5--[B]	**140[B]**	250 U	100 U	100 U	**76[B]**	130 U	**130 J[B]**	50 U	**190[B]**	50 U	**58[B]**	5.0 U	**140[B]**
Dichloroethane, 1,2-	µg/L	0.6[B]	130 U	250 U	100 U	100 U	50 U	130 U	130 U	50 U	50 U	50 U	50 U	5.0 U	5.0 U
Dichloroethene, 1,1-	µg/L	5--[B]	130 U	250 U	100 U	100 U	50 U	130 U	**25 J[B]**	50 U	50 U	50 U	50 U	5.0 U	**13[B]**
Dichloroethene, cis-1,2-	µg/L	5--[B]	130 U	250 U	100 U	100 U	**61[B]**	130 U	**73 J[B]**	50 U	**110[B]**	50 U	**52[B]**	5.0 U	**100[B]**
Dichloroethene, trans-1,2-	µg/L	5--[B]	130 U	250 U	100 U	100 U	50 U	130 U	**36 J[B]**	50 U	50 U	50 U	50 U	5.0 U	**28[B]**
Dichloropropane, 1,2-	µg/L	1[B]	130 U	250 U	100 U	100 U	50 U	130 U	130 U	50 U	50 U	50 U	50 U	5.0 U	5.0 U
Dichloropropene, cis-1,3-	µg/L	0.4$_{tc}$[B]	130 U	250 U	100 U	100 U	50 U	130 U	130 U	50 U	50 U	50 U	50 U	5.0 U	5.0 U
Dichloropropene, trans-1,3-	µg/L	0.4$_{tc}$[B]	130 U	250 U	100 U	100 U	50 U	130 U	130 U	50 U	50 U	50 U	50 U	5.0 U	5.0 U
Dioxane, 1,4-	µg/L	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/L	5--[B]	130 U	250 U	100 U	100 U	50 U	130 U	130 U	50 U	50 U	50 U	50 U	5.0 U	5.0 U
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	0.0006[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexanone, 2- (Methyl Butyl Ketone)	µg/L	50[A]	250 U	500 U	200 U	200 U	100 U	250 U	250 U	100 U	100 U	100 U	100 U	10 U	10 U
Isopropylbenzene	µg/L	5--[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Isopropyltoluene, p- (Cymene)	µg/L	5--[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Acetate	µg/L	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	50[A]	250 U	500 U	200 U	200 U	100 U	250 U	250 U	100 U	100 U	100 U	100 U	10 U	10 U
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	250 U	500 U	200 U	200 U	100 U	250 U	250 U	100 U	100 U	100 U	100 U	10 U	10 U
Methyl tert-butyl ether (MTBE)	µg/L	10[A]	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylcyclohexane	µg/L	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/L	5--[B]	130 U	250 U	100 U	100 U	50 U	130 U	130 U	50 U	50 U	50 U	50 U	5.0 U	5.0 U
Naphthalene	µg/L	10[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Propylbenzene, n-	µg/L	5--[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	5--[B]	130 U	250 U	100 U	100 U	50 U	130 U	130 U	50 U	50 U	50 U	50 U	5.0 U	5.0 U
Tetrachloroethane, 1,1,2,2-	µg/L	5--[B]	130 U	250 U	100 U	100 U	50 U	130 U	130 U	50 U	50 U	50 U	50 U	5.0 U	5.0 U
Tetrachloroethene (PCE)	µg/L	5--[B]	130 U	250 U	100 U	100 U	50 U	130 U	130 U	50 U	50 U	50 U	50 U	5.0 U	5.0 U
Toluene	µg/L	5--[B]	130 U	250 U	100 U	100 U	50 U	130 U	130 U	50 U	50 U	50 U	50 U	5.0 U	5.0 U
Trichlorobenzene, 1,2,3-	µg/L	5--[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichlorobenzene, 1,2,4-	µg/L	5--[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/L	5--[B]	130 U	250 U	100 U	100 U	50 U	130 U	130 U	50 U	50 U	50 U	50 U	5.0 U	5.0 U
Trichloroethane, 1,1,2-	µg/L	1[B]	130 U	250 U	100 U	100 U	50 U	130 U	130 U	50 U	50 U	50 U	50 U	5.0 U	5.0 U
Trichloroethene (TCE)	µg/L	5--[B]	**5,200 E[B]**	**5,500 D[B]**	**2,000[B]**	**1,800[B]**	**4,000 E[B]**	**4,400 D[B]**	**5,900 D[B]**	**950[B]**	**6,100 D[B]**	**1,400[B]**	**2,000[B]**	**35[B]**	**4,700 D[B]**
Trichlorofluoromethane (Freon 11)	µg/L	5--[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichlorotrifluoroethane (Freon 113)	µg/L	5--[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Trimethylbenzene, 1,2,4-	µg/L	5--[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Trimethylbenzene, 1,3,5-	µg/L	5--[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/L	2[B]	130 U	250 U	100 U	100 U	50 U	130 U	130 U	50 U	50 U	50 U	50 U	5.0 U	5.0 U
Xylene, m & p-	µg/L	5--[B]	130 U	250 U	100 U	100 U	50 U	130 U	130 U	50 U	50 U	50 U	50 U	5.0 U	5.0 U
Xylene, o-	µg/L	5--[B]	130 U	250 U	100 U	100 U	50 U	130 U	130 U	50 U	50 U	50 U	50 U	5.0 U	5.0 U
Total VOC	µg/L	n/v	5,340	5,500	2,000	1,800	4,137	4,400	6,171	950	6,400	1,400	2,110	35	4,981

See notes on last page.

Table 2
Summary of Analytical Results in Groundwater - July 2005 through June 2024
Rochester Technology Park,
Building 4, Rochester, NY

Sample Location			PDW110 (Continued)											
Sample Date			25-Jul-19	3-Feb-20	28-Jul-20	13-Jan-21	8-Jul-21	19-Jan-22	27-Jul-22	25-Jan-23	25-Jan-23	25-Jul-23	25-Jul-23	24-Jan-24
Sample ID			RTP-PDW110-GW	RTP-PDW110-GW	RTP-PDW110-GW	RTP-PDW110-GW	RTP-PDW110-GW	RTP-PDW110-GW	RTP-PDW110-GW	RTP-PDW110-GW	RTP-PDW110-GW	RTP-PDW110-GW	RTP-PDW110-GW	RTP-PDW110-GW
Sampling Company			STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			ALS	ALS	ALS	ALS	ALS	ALS	ALS	ALS	ALS	ALS	ALS	ALS
Laboratory Work Order			R1907029	R2000943	R2006693	R2100349	R2106876	R2200512	R2206998	R2300646	R2300646	R2306651	R2306651	R2400623
Laboratory Sample ID			R1907029-005	R2000943-002	R2006693-003	R2100349-001	R2106876-008	R2200512-001	R2206998-002	R2300646-001	R2300646-001	R2306651-001	R2306651-001	R2400623-001
Sample Type	Units	TOGS	Initial	Initial	Initial	Initial	Initial	Initial	Initial	Initial	Reanalysis	Initial *	Reanalysis *	Initial
Volatile Organic Compounds														
Acetone	µg/L	50[A]	50 U	100 U	500 U	500 U	250 U	250 U	100 U	100 U	250 U	10 U	250 U	100 U
Benzene	µg/L	1[B]	25 U	50 U	250 U	250 U	130 U	130 U	50 U	50 U	130 U	5.0 U	130 U	50 U
Bromodichloromethane	µg/L	50[A]	25 U	50 U	250 U	250 U	130 U	130 U	50 U	50 U	130 U	5.0 U	130 U	50 U
Bromoform (Tribromomethane)	µg/L	50[A]	25 U	50 U	250 U	250 U	130 U	130 U	50 U	50 U	130 U	5.0 U	130 U	50 U
Bromomethane (Methyl bromide)	µg/L	5--[B]	25 U	50 U	250 U	250 U	130 U	130 U	50 U	50 U	130 U	5.0 U	130 U	50 U
Butylbenzene, n-	µg/L	5--[B]	-	50 U	-	-	-	130 U	-	-	-	-	-	-
Butylbenzene, sec- (2-Phenylbutane)	µg/L	5--[B]	-	50 U	-	-	-	130 U	-	-	-	-	-	-
Butylbenzene, tert-	µg/L	5--[B]	-	50 U	-	-	-	130 U	-	-	-	-	-	-
Carbon Disulfide	µg/L	60[A]	50 U	100 U	500 U	500 U	250 U	250 U	100 U	100 U	250 U	10 U	250 U	100 U
Carbon Tetrachloride (Tetrachloromethane)	µg/L	5[B]	25 U	50 U	250 U	250 U	130 U	130 U	50 U	50 U	130 U	5.0 U	130 U	50 U
Chlorobenzene (Monochlorobenzene)	µg/L	5--[B]	25 U	50 U	250 U	250 U	130 U	130 U	50 U	50 U	130 U	5.0 U	130 U	50 U
Chlorobromomethane	µg/L	5--[B]	-	50 U	-	-	-	130 U	-	-	-	-	-	-
Chloroethane (Ethyl Chloride)	µg/L	5--[B]	25 U	50 U	250 U	250 U	130 U	130 U	50 U	50 U	130 U	5.0 U	130 U	50 U
Chloroform (Trichloromethane)	µg/L	7[B]	25 U	50 U	250 U	250 U	130 U	130 U	50 U	50 U	130 U	5.0 U	130 U	50 U
Chloromethane	µg/L	5--[B]	25 U	50 U	250 U	250 U	130 U	130 U	50 U	50 U	130 U	5.0 U	130 U	50 U
Cyclohexane	µg/L	n/v	-	100 U	-	-	-	250 U	-	-	-	-	-	-
Dibromo-3-Chloropropane, 1,2- (DBCP)	µg/L	0.04[B]	-	50 U	-	-	-	130 U	-	-	-	-	-	-
Dibromochloromethane	µg/L	50[A]	25 U	50 U	250 U	250 U	130 U	130 U	50 U	50 U	130 U	5.0 U	130 U	50 U
Dichlorobenzene, 1,2-	µg/L	3[B]	-	50 U	-	-	-	130 U	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/L	3[B]	-	50 U	-	-	-	130 U	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/L	3[B]	-	50 U	-	-	-	130 U	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/L	5--[B]	-	50 U	-	-	-	130 U	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/L	5--[B]	25 U	**130[B]**	250 U	250 U	130 U	130 U	50 U	**92[B]**	130 U	**45[B]**	130 U	50 U
Dichloroethane, 1,2-	µg/L	0.6[B]	25 U	50 U	250 U	250 U	130 U	130 U	50 U	50 U	130 U	5.0 U	130 U	50 U
Dichloroethene, 1,1-	µg/L	5--[B]	25 U	50 U	250 U	250 U	130 U	130 U	50 U	50 U	130 U	**8.5[B]**	130 U	50 U
Dichloroethene, cis-1,2-	µg/L	5--[B]	25 U	**100[B]**	250 U	250 U	130 U	130 U	50 U	**54[B]**	130 U	**56[B]**	130 U	50 U
Dichloroethene, trans-1,2-	µg/L	5--[B]	25 U	**81[B]**	250 U	250 U	130 U	130 U	50 U	50 U	130 U	**78[B]**	130 U	50 U
Dichloropropane, 1,2-	µg/L	1[B]	25 U	50 U	250 U	250 U	130 U	130 U	50 U	50 U	130 U	5.0 U	130 U	50 U
Dichloropropene, cis-1,3-	µg/L	0.4$_{o}$[B]	25 U	50 U	250 U	250 U	130 U	130 U	50 U	50 U	130 U	5.0 U	130 U	50 U
Dichloropropene, trans-1,3-	µg/L	0.4$_{o}$[B]	25 U	50 U	250 U	250 U	130 U	130 U	50 U	50 U	130 U	5.0 U	130 U	50 U
Dioxane, 1,4-	µg/L	n/v	-	1,000 U	-	-	-	2,500 U	-	-	-	-	-	-
Ethylbenzene	µg/L	5--[B]	25 U	50 U	250 U	250 U	130 U	130 U	50 U	50 U	130 U	5.0 U	130 U	50 U
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	0.0006[B]	-	50 U	-	-	-	130 U	-	-	-	-	-	-
Hexanone, 2- (Methyl Butyl Ketone)	µg/L	50[A]	50 U	100 U	500 U	500 U	250 U	250 U	100 U	100 U	250 U	10 U	250 U	100 U
Isopropylbenzene	µg/L	5--[B]	-	50 U	-	-	-	130 U	-	-	-	-	-	-
Isopropyltoluene, p- (Cymene)	µg/L	5--[B]	-	50 U	-	-	-	130 U	-	-	-	-	-	-
Methyl Acetate	µg/L	n/v	-	100 U	-	-	-	250 U	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	50[A]	50 U	100 U	500 U	500 U	250 U	250 U	100 U	100 U	250 U	10 U	250 U	100 U
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	50 U	100 U	500 U	500 U	250 U	250 U	100 U	100 U	250 U	10 U	250 U	100 U
Methyl tert-butyl ether (MTBE)	µg/L	10[A]	-	50 U	-	-	-	130 U	-	-	-	-	-	-
Methylcyclohexane	µg/L	n/v	-	100 U	-	-	-	250 U	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/L	5--[B]	25 U	50 U	250 U	250 U	130 U	130 U	50 U	50 U	130 U	5.0 U	130 U	50 U
Naphthalene	µg/L	10[B]	-	50 U	-	-	-	130 U	-	-	-	-	-	-
Propylbenzene, n-	µg/L	5--[B]	-	50 U	-	-	-	130 U	-	-	-	-	-	-
Styrene	µg/L	5--[B]	25 U	50 U	250 U	250 U	130 U	130 U	50 U	50 U	130 U	5.0 U	130 U	50 U
Tetrachloroethane, 1,1,2,2-	µg/L	5--[B]	25 U	50 U	250 U	250 U	130 U	130 U	50 U	50 U	130 U	5.0 U	130 U	50 U
Tetrachloroethene (PCE)	µg/L	5--[B]	25 U	50 U	250 U	250 U	130 U	130 U	50 U	50 U	130 U	5.0 U	130 U	50 U
Toluene	µg/L	5--[B]	25 U	50 U	250 U	250 U	130 U	130 U	50 U	50 U	130 U	5.0 U	130 U	50 U
Trichlorobenzene, 1,2,3-	µg/L	5--[B]	-	50 U	-	-	-	130 U	-	-	-	-	-	-
Trichlorobenzene, 1,2,4-	µg/L	5--[B]	-	50 U	-	-	-	130 U	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/L	5--[B]	25 U	50 U	250 U	250 U	130 U	130 U	50 U	50 U	130 U	5.0 U	130 U	50 U
Trichloroethane, 1,1,2-	µg/L	1[B]	25 U	50 U	250 U	250 U	130 U	130 U	50 U	50 U	130 U	5.0 U	130 U	50 U
Trichloroethene (TCE)	µg/L	5--[B]	**870[B]**	**4,500 D[B]**	**5,400[B]**	**4,900[B]**	**3,300[B]**	**2,600[B]**	**1,500[B]**	**3,000 E[B]**	**2,700 D[B]**	**1,800 E[B]**	**1,400 D[B]**	**1,200[B]**
Trichlorofluoromethane (Freon 11)	µg/L	5--[B]	-	50 U	-	-	-	130 U	-	-	-	-	-	-
Trichlorotrifluoroethane (Freon 113)	µg/L	5--[B]	-	50 U	-	-	-	130 U	-	-	-	-	-	-
Trimethylbenzene, 1,2,4-	µg/L	5--[B]	-	50 U	-	-	-	130 U	-	-	-	-	-	-
Trimethylbenzene, 1,3,5-	µg/L	5--[B]	-	50 U	-	-	-	130 U	-	-	-	-	-	-
Vinyl Chloride	µg/L	2[B]	25 U	50 U	250 U	250 U	130 U	130 U	50 U	50 U	130 U	5.0 U	130 U	50 U
Xylene, m & p-	µg/L	5--[B]	25 U	50 U	250 U	250 U	130 U	130 U	50 U	50 U	130 U	5.0 U	130 U	50 U
Xylene, o-	µg/L	5--[B]	25 U	50 U	250 U	250 U	130 U	130 U	50 U	50 U	130 U	5.0 U	130 U	50 U
Total VOC	µg/L	n/v	870	4,811	5,400	4,900	3,300	2,600	1,500	3,146	2,700	1,987.5	1,400	1,200

See notes on last page.

Table 2
Summary of Analytical Results in Groundwater - July 2005 through June 2024
Rochester Technology Park,
Building 4, Rochester, NY

Sample Location			Trip Blank											
Sample Date			26-Feb-14	23-Jul-14	23-Jul-14	22-Jan-15	22-Jul-15	23-Jul-15	12-Jan-16	1-Aug-16	3-Aug-16	30-Jan-17	27-Jul-17	8-Jan-18
Sample ID			TRIP BLANK-022614	TRIP BLANK	TRIP BLANK	TRIP BLANK-012215	Trip Blank	TRIP BLANK	RTP-Trip Blank-W	TRIP BLANK	TRIP BLANK	RTP-TRIPBLANK-W	Trip Blank	RTP-TRIPBLANK-W
Sampling Company			STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			CASR	CASR	CASR	CASR	ALS	ALS	ALS	ALS	ALS	ALS	ALS	ALS
Laboratory Work Order			R1401361	R1405659	R1405659	R1500543	R1505937	R1506017	R1600320	R1608007	R1608053	R1700811	R1706951	R1800171
Laboratory Sample ID			R1401361-001	R1405659-005	R1405659-011	R1500543-001	R1505937-002	R1506017-007	R1600320-001	R1608007-001	R1608053-001	R1700811-001	R1706951-001	R1800171-001
Sample Type	Units	TOGS	Initial Trip Blank	Initial Trip Blank	Initial Trip Blank	Initial Trip Blank	Initial Trip Blank	Initial Trip Blank	Initial Trip Blank	Initial Trip Blank	Initial Trip Blank	Initial Trip Blank	Initial Trip Blank	Initial Trip Blank
Volatile Organic Compounds														
Acetone	µg/L	50[A]	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	µg/L	1[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromodichloromethane	µg/L	50[A]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromoform (Tribromomethane)	µg/L	50[A]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromomethane (Methyl bromide)	µg/L	5--[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Butylbenzene, n-	µg/L	5--[B]	-	-	-	-	-	-	-	-	-	-	-	-
Butylbenzene, sec- (2-Phenylbutane)	µg/L	5--[B]	-	-	-	-	-	-	-	-	-	-	-	-
Butylbenzene, tert-	µg/L	5--[B]	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Disulfide	µg/L	60[A]	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbon Tetrachloride (Tetrachloromethane)	µg/L	5[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chlorobenzene (Monochlorobenzene)	µg/L	5--[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chlorobromomethane	µg/L	5--[B]	-	-	-	-	-	-	-	-	-	-	-	-
Chloroethane (Ethyl Chloride)	µg/L	5--[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroform (Trichloromethane)	µg/L	7[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloromethane	µg/L	5--[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Cyclohexane	µg/L	n/v	-	-	-	-	-	-	-	-	-	-	-	-
Dibromo-3-Chloropropane, 1,2- (DBCP)	µg/L	0.04[B]	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	50[A]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dichlorobenzene, 1,2-	µg/L	3[B]	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/L	3[B]	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/L	3[B]	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/L	5--[B]	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/L	5--[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dichloroethane, 1,2-	µg/L	0.6[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dichloroethene, 1,1-	µg/L	5--[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dichloroethene, cis-1,2-	µg/L	5--[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dichloroethene, trans-1,2-	µg/L	5--[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dichloropropane, 1,2-	µg/L	1[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dichloropropene, cis-1,3-	µg/L	0.4$_o$[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dichloropropene, trans-1,3-	µg/L	0.4$_o$[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dioxane, 1,4-	µg/L	n/v	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/L	5--[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	0.0006[B]	-	-	-	-	-	-	-	-	-	-	-	-
Hexanone, 2- (Methyl Butyl Ketone)	µg/L	50[A]	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Isopropylbenzene	µg/L	5--[B]	-	-	-	-	-	-	-	-	-	-	-	-
Isopropyltoluene, p- (Cymene)	µg/L	5--[B]	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Acetate	µg/L	n/v	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	50[A]	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl tert-butyl ether (MTBE)	µg/L	10[A]	-	-	-	-	-	-	-	-	-	-	-	-
Methylcyclohexane	µg/L	n/v	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/L	5--[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Naphthalene	µg/L	10[B]	-	-	-	-	-	-	-	-	-	-	-	-
Propylbenzene, n-	µg/L	5--[B]	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	5--[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Tetrachloroethane, 1,1,2,2-	µg/L	5--[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Tetrachloroethene (PCE)	µg/L	5--[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Toluene	µg/L	5--[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Trichlorobenzene, 1,2,3-	µg/L	5--[B]	-	-	-	-	-	-	-	-	-	-	-	-
Trichlorobenzene, 1,2,4-	µg/L	5--[B]	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/L	5--[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Trichloroethane, 1,1,2-	µg/L	1[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Trichloroethene (TCE)	µg/L	5--[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Trichlorofluoromethane (Freon 11)	µg/L	5--[B]	-	-	-	-	-	-	-	-	-	-	-	-
Trichlorotrifluoroethane (Freon 113)	µg/L	5--[B]	-	-	-	-	-	-	-	-	-	-	-	-
Trimethylbenzene, 1,2,4-	µg/L	5--[B]	-	-	-	-	-	-	-	-	-	-	-	-
Trimethylbenzene, 1,3,5-	µg/L	5--[B]	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/L	2[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Xylene, m & p-	µg/L	5--[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Xylene, o-	µg/L	5--[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Total VOC	µg/L	n/v	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

See notes on last page.

Table 2
Summary of Analytical Results in Groundwater - July 2005 through June 2024
Rochester Technology Park,
Building 4, Rochester, NY

Sample Location			Trip Blank (Continued)													
Sample Date			11-Jul-18	7-Feb-19	25-Jul-19	26-Jul-19	3-Feb-20	28-Jul-20	13-Jan-21	7-Jul-21	19-Jan-22	27-Jul-22	25-Jan-23	25-Jul-23	23-Jan-24	4-Jun-24
Sample ID			TRIP BLANK	RTP-TRIPBLANK-W	TRIP BLANK	TRIP BLANK 2	RTP-TRIPBLANK-W	TRIP BLANK	RTP-TRIPBLANK-W	TRIP BLANK	RTP-TRIP BLANK-W	TRIP BLANK	RTP-TRIPBLANK-W	TRIP BLANK	RTP-TRIP BLANK-W	TRIP BLANK
Sampling Company			STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			ALS	ALS	ALS	ALS	ALS	ALS	ALS	ALS	ALS	ALS	ALS	ALS	ALS	ALS
Laboratory Work Order			R1806502	R1901144	R1907029	R1907029	R2000943	R2006693	R2100349	R2106876	R2200512	R2206998	R2300646	R2306651	R2400623	R2404779
Laboratory Sample ID			R1806502-001	R1901144-001	R1907029-007	R1907029-008	R2000943-001	R2006693-001	R2100349-004	R2106876-001	R2200512-004	R2206998-001	R2300646-004	R2306651-004	R2400623-004	R2404779-003
Sample Type	Units	TOGS	Initial Trip Blank	Initial Trip Blank	Initial Trip Blank	Initial Trip Blank	Initial Trip Blank	Initial Trip Blank	Initial Trip Blank	Initial Trip Blank	Initial Trip Blank	Initial Trip Blank	Initial Trip Blank	Initial Trip Blank *	Initial Trip Blank	Initial Trip Blank
Volatile Organic Compounds																
Acetone	µg/L	50[A]	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U J-
Benzene	µg/L	1[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromodichloromethane	µg/L	50[A]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromoform (Tribromomethane)	µg/L	50[A]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromomethane (Methyl bromide)	µg/L	5[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Butylbenzene, n-	µg/L	5[B]	-	-	-	-	5.0 U	-	-	-	5.0 U	-	-	-	-	-
Butylbenzene, sec- (2-Phenylbutane)	µg/L	5[B]	-	-	-	-	5.0 U	-	-	-	5.0 U	-	-	-	-	-
Butylbenzene, tert-	µg/L	5[B]	-	-	-	-	5.0 U	-	-	-	5.0 U	-	-	-	-	-
Carbon Disulfide	µg/L	60[A]	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbon Tetrachloride (Tetrachloromethane)	µg/L	5[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chlorobenzene (Monochlorobenzene)	µg/L	5[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chlorobromomethane	µg/L	5[B]	-	-	-	-	5.0 U	-	-	-	5.0 U	-	-	-	-	-
Chloroethane (Ethyl Chloride)	µg/L	5[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroform (Trichloromethane)	µg/L	7[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloromethane	µg/L	5[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Cyclohexane	µg/L	n/v	-	-	-	-	10 U	-	-	-	10 U	-	-	-	-	-
Dibromo-3-Chloropropane, 1,2- (DBCP)	µg/L	0.04[B]	-	-	-	-	5.0 U	-	-	-	5.0 U	-	-	-	-	-
Dibromochloromethane	µg/L	50[A]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dichlorobenzene, 1,2-	µg/L	3[B]	-	-	-	-	5.0 U	-	-	-	5.0 U	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/L	3[B]	-	-	-	-	5.0 U	-	-	-	5.0 U	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/L	3[B]	-	-	-	-	5.0 U	-	-	-	5.0 U	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/L	5[B]	-	-	-	-	5.0 U	-	-	-	5.0 U	-	-	-	-	-
Dichloroethane, 1,1-	µg/L	5[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dichloroethane, 1,2-	µg/L	0.6[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dichloroethene, 1,1-	µg/L	5[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dichloroethene, cis-1,2-	µg/L	5[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dichloroethene, trans-1,2-	µg/L	5[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dichloropropane, 1,2-	µg/L	1[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dichloropropene, cis-1,3-	µg/L	0.4[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dichloropropene, trans-1,3-	µg/L	0.4[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dioxane, 1,4-	µg/L	n/v	-	-	-	-	100 U	-	-	-	100 U	-	-	-	-	-
Ethylbenzene	µg/L	5[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	0.0006[B]	-	-	-	-	5.0 U	-	-	-	5.0 U	-	-	-	-	-
Hexanone, 2- (Methyl Butyl Ketone)	µg/L	50[A]	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Isopropylbenzene	µg/L	5[B]	-	-	-	-	5.0 U	-	-	-	5.0 U	-	-	-	-	-
Isopropyltoluene, p- (Cymene)	µg/L	5[B]	-	-	-	-	5.0 U	-	-	-	5.0 U	-	-	-	-	-
Methyl Acetate	µg/L	n/v	-	-	-	-	10 U	-	-	-	10 U	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	50[A]	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl tert-butyl ether (MTBE)	µg/L	10[A]	-	-	-	-	5.0 U	-	-	-	5.0 U	-	-	-	-	-
Methylcyclohexane	µg/L	n/v	-	-	-	-	10 U	-	-	-	10 U	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/L	5[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Naphthalene	µg/L	10[B]	-	-	-	-	5.0 U	-	-	-	5.0 U	-	-	-	-	-
Propylbenzene, n-	µg/L	5[B]	-	-	-	-	5.0 U	-	-	-	5.0 U	-	-	-	-	-
Styrene	µg/L	5[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Tetrachloroethane, 1,1,2,2-	µg/L	5[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Tetrachloroethene (PCE)	µg/L	5[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Toluene	µg/L	5[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Trichlorobenzene, 1,2,3-	µg/L	5[B]	-	-	-	-	5.0 U	-	-	-	5.0 U	-	-	-	-	-
Trichlorobenzene, 1,2,4-	µg/L	5[B]	-	-	-	-	5.0 U	-	-	-	5.0 U	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/L	5[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Trichloroethane, 1,1,2-	µg/L	1[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Trichloroethene (TCE)	µg/L	5[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Trichlorofluoromethane (Freon 11)	µg/L	5[B]	-	-	-	-	5.0 U	-	-	-	5.0 U	-	-	-	-	-
Trichlorotrifluoroethane (Freon 113)	µg/L	5[B]	-	-	-	-	5.0 U	-	-	-	5.0 U	-	-	-	-	-
Trimethylbenzene, 1,2,4-	µg/L	5[B]	-	-	-	-	5.0 U	-	-	-	5.0 U	-	-	-	-	-
Trimethylbenzene, 1,3,5-	µg/L	5[B]	-	-	-	-	5.0 U	-	-	-	5.0 U	-	-	-	-	-
Vinyl Chloride	µg/L	2[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Xylene, m & p-	µg/L	5[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Xylene, o-	µg/L	5[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Total VOC	µg/L	n/v	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

See notes on last page.

Table 2
Summary of Analytical Results in Groundwater - July 2005 through June 2024
Rochester Technology Park,
Building 4, Rochester, NY

Notes:

TOGS	NYSDEC TOGS 1.1.1 (Reissued June 1998 with errata in January 1999 and addenda in April 2000 and June 2004)
[A]	TOGS 1.1.1 - Table 1 - Ambient Water Quality Standards and Guidance Values, Division of Water, Technical and Operational Guidance Series (TOGS 1.1.1); Guidance
[B]	TOGS 1.1.1 - Table 1 - Ambient Water Quality Standards and Guidance Values, Division of Water, Technical and Operational Guidance Series (TOGS 1.1.1); Standards
6.5[A]	Concentration exceeds the indicated standard.
15.2	Measured concentration did not exceed the indicated standard.
0.50 U	Laboratory reporting limit was greater than the applicable standard.
0.03 U	Analyte was not detected at a concentration greater than the laboratory reporting limit.
n/v	No standard/guideline value.
-	Parameter not analyzed / not available.
--	The principal organic contaminant standard for groundwater of 5 ug/L (described elsewhere in the TOGS table) applies to this substance.
[p]	Applies to the sum of cis- and trans-1,3-dichloropropene.
D	Result was obtained from the analysis of a dilution
E	Result exceeded calibration range.
J	The reported result is an estimated value.
ND	Not detected.
*	The reported results are an estimated value due to an elevated temperature of the sample.
J-	The analyte was positively identified; the associated numerical value is an estimated quantity that may be biased low

Table 3
Summary of Groundwater Elevation Data - July 2023
Rochester Technology Park
Building 4, Rochester, NY

Well ID	TOC Elevation (ft AMSL)[A]	Water Level (TOC ft)[B]	Groundwater Elevation (Stantec datum)
MW-201	592.94	13.85	579.09
MW-202	593.15	16.85	576.30
MW-203	592.93	16.50	576.43
MW-204	592.9	16.22	576.68
MW-205	593.11	15.46	577.65
MW-206	592.93	11.25	581.68
MW-207	593.09	15.95	577.14
MW-208	592.79	18.09	574.70
MW-209	592.72	18.07	574.65
MW-210	592.84	18.13	574.71
MW-211	592.94	16.62	576.32
MW-212	594.51	19.73	574.78
MW-213	594.61	19.88	574.73
PDW-109	594.87	17.78	577.09
PDW-110	580.42	3.46	576.96
Sump	580.26	1.22	579.04

Notes:

TOC - Top of Casing

[A] indicates survey data generated by Magde Land Surveying PC on behalf of Stantec on 7/28/15

[B] Monitoring water levels measured by Stantec staff on 7/25/23

AMSL Above Mean Sea Level

Table 4
Summary of Field Parameters in Groundwater - July 2023 and January 2024
Rochester Technology Park,
Building 4, Rochester, NY

Sample Location		MW-203	MW-205	MW-208	MW-212	MW-213	PDW-109	PDW-110
Purge Date		7/25/2023	7/26/2023	7/25/2023	7/26/2023	7/26/2023	7/26/2023	7/25/2023
Purge Methodology		Low Flow	Volumetric	Low flow	Low flow	Low flow	Volumetric	Low Flow
Purge Method		Bladder	Bladder	Bladder	Bladder	Bladder	Bladder	Bladder
Sample Date		7/25/2023	7/26/2023	7/25/2023	7/26/2023	7/26/2023	7/26/2023	7/25/2023
Sampling Method		Bladder	Bladder	Bladder	Bladder	Bladder	Bladder	Bladder
Field Parameters	**Units**							
Conductivity	mS/cm	8.11	6.57	5.97	1.61	2.52	3.30	6.78
Dissolved Oxygen	mg/L	0.81	1.25	3.87	0.30	2.96	2.82	0.25
Oxidation Reduction Potential	mV	-301.7	14.0	18.8	-268.6	95.4	202.0	-297.4
pH	S.U.	6.84	6.99	6.89	7.35	6.94	6.96	6.83
Temperature	deg C	21.0	21.0	21.0	23.2	19.9	23.8	21.0
Turbidity	NTU	11.20	2.12	0.93	80.2	8.41	27.5	1.00
Volume Purged	gal	0.7	0.6	0.9	0.5	1.5	0.35	0.4
Odor	none	No odor	No odor	No odor	No odor	No odor	No odor	Sulfur

Sample Location		MW-203	MW-205	PDW-110
Purge Date		1/23/2024	1/24/24	1/24/24
Purge Methodology		Low flow	Low Flow	Low flow
Purge Method		Bladder	Bladder	Bladder
Sample Date		1/23/24	1/24/24	1/24/24
Sampling Method		Bladder	Bladder	Bladder
Field Parameters	**Units**			
Conductivity	mS/cm	8.82	7.23	8.71
Dissolved Oxygen	mg/L	0.33	5.38	6.78
Oxidation Reduction Potential	mV	-272.1	99.3	75.0
pH	S.U.	7.19	7.71	7.67
Temperature	deg C	20.9	20.6	21.6
Turbidity	NTU	3.38	3.27	11.21
Volume Purged	gal	1.5*	0.55*	0.9*
Odor	none	Sulfur	No odor	No odor

Notes:

-	not noted
deg c	degrees Celsius
gal	gallons
mg/L	milligrams per liter
mS/cm	milliSiemens per centimeter
mV	millivolts
NTU	nephelometric turbidity unit
S.U.	standard units
*	estimated

Table 5
Summary of Vapor Point Monitoring Data – July 2023 and January 2024
Rochester Technology Park
Building 4, Rochester, NY

Sampling Location	Area	July 2023						January 2024					
		Date	Time	Vacuum (inH2O)	Smoke Test Flow? (Y/N)	Zeroed? (Y/N)	Notes	Date	Time	Vacuum (inH2O)	Smoke Test Flow? (Y/N)	Zeroed? (Y/N)	Notes
SS-19	Bldg 3												
SS-20	Bldg 3												
SS-21	Bldg 3												
VM-13	Area 3	7/27/2023	1130	0.000	Y	Y		1/22/2024	1247	0.003		Y	
VM-22	Area 3												
PM-7	Area 3	7/27/2023	1147	0.123	-	Y		1/22/2024	1244	0.202		Y	
PM-9	Bldg 3												
SS-22	Area 2												
SS-23	Area 2	7/27/2023	1300	0.650	-	Y	Fluctuates 0.050 to 4.500	1/22/2024	1223	0.024		Y	
SS-24	Area 2												
SS-25	Area 2												
SS-26	Area 2	7/27/2023	1241	0.683	-	Y		1/22/2024	1145	0.114		Y	Reading steadily drops
SS-28	Area 2												
SS-29	Area 2												
VM-1	Area 2	7/27/2023	1047	0.048	-	Y		1/22/2024	1225	0.012		Y	
VM-2	Area 2												
VM-3	Area 2												
VM-4	Area 2												
VM-5	Area 2												
VM-6	Area 2												
PM-1	Area 2	7/27/2023	1142	0.041	-	Y	Missing cover - duct taped	1/22/2024	1254	0.027		Y	
PM-11	Area 2	7/27/2023	1112	0.040	-	Y		1/22/2024	1235	0.015		Y	
PM-12	Area 2												
PM-13	Area 2	7/27/2023	1118	0.002	Y	Y		1/22/2024	1238	0.000	Y	Y	
PM-14	Area 2	7/27/2023	1123	0.001	Y	Y	Missing cover - duct taped	1/22/2024	1240	0.063		Y	
HA-1	Area 2A												
HA-2	Area 2A												
SS-27	Area 2A	7/27/2023	1153	1.134	-	Y		1/22/2024	1305	0.149		Y	
PM-8	Area 2A												
PM-15	Area 2A	7/27/2023	1152	3.162	-	Y		1/22/2024	1307	2.092		Y	
VM-18	Area 2A												
VM-19	Area 2A	7/27/2023	1157	0.108	-	Y	Missing cover - duct taped	1/22/2024	1301	0.086		Y	
VM-20	Area 2A												
VM-21	Area 2A												
SS-30	Area 1												
SS-31	Area 1												
SS-32	Area 1	7/27/2023	0936	0.014	-	Y		1/22/2024	1118	0.006		Y	
SS-33	Area 1												
SS-34	Area 1												
SS-35	Area 1												
SS-36	Area 1	7/27/2023	0932	8.512	-	Y		1/22/2024	1027	2.189		Y	
SS-38	Area 1												
SS-39	Area 1	7/27/2023	0923	0.095	-	Y		1/22/2024	1337	0.033		Y	
SS-40	Area 1												
VM-7	Area 2	7/27/2023	1201	0.019	-	Y		1/22/2024	1311	0.003		Y	
VM-8	Area 1												
VM-9	Area 1	7/27/2023	0941	0.002	Y	Y		1/22/2024	1041	0.002	N	Y	
VM-10	Area 1		1311	0.044	-	Y		1/22/2024	1122	0.718		Y	
VM-11	Area 1		0945	0.018	-	Y		1/22/2024	1045	0.003		Y	
VM-12/PM-6	Area 1	7/27/2023	0915	0.105	-	Y	Vacuum reading steadily drops	1/22/2024	1005	0.010		Y	Fluctuates from - to +
PM-2	Area 1												
PM-3	Area 1	7/27/2023	1206	0.011	-	Y		1/22/2024	1314	0.005		Y	
PM-4	Area 1												
PM-5	Area 1	7/27/2023	1028	0.001	N	Y		1/22/2024	1342	0.004		Y	
SS-37	Area 1A	7/27/2023	1019	0.239	-	Y		1/22/2024	1338	0.029		Y	
PM-10	Area 1A												
PM-16	Area 1A	7/27/2023	0859	0.157	-	Y		1/22/2024	0938	0.072		Y	
VM-14	Area 1A	7/27/2023	0903	0.022	-	Y		1/22/2024	0947	0.002	Y	Y	
VM-15	Area 1A	7/27/2023	0849	0.030	-	Y		1/22/2024	0933	0.003		Y	
VM-16	Area 1A	7/27/2023	0842	0.002	N	Y	Missing cover - duct taped	1/22/2024	0923	0.007		Y	
VM-17	Area 1A	7/27/2023	0835	0.002	Y	Y		1/22/2024	1331	0.001	N	Y	

Note: Gray rows indicate points not routinely monitored.
Positive number indicates vacuum.
"N" indicates smoke test was performed but indicated no vacuum.
~ indicates an approximate time
"NR" indicates not recorded
* indicates missing cover replaced

Table 6
Summary of Extraction Well Monitoring Data – July 2023 and January 2024
Rochester Technology Park
Building 4, Rochester, NY

Sampling Location	Area	Column/ Fan	July 2023				January 2024			
			Date	~Time	Vacuum (inH2O)	Notes	Date	~Time	Vacuum (inH2O)	Notes
EW-1	Area 1	N11/F1	7/25/2023	1516	OL		1/22/2024	1052	OL	
EW-2	Area 1	N10/F1	7/25/2023	1516	OL		1/22/2024	1053	OL	
EW-3	Area 1	P11/F1	7/25/2023	1513	OL		1/22/2024	1050	OL	
EW-4	Area 1	P10/F1	7/25/2023	1513	OL		1/22/2024	1034	OL	Floor leak
EW-5	Area 1	Q11/F2	7/25/2023	1512	OL		1/22/2024	1049	OL	
EW-6	Area 1	Q10/F2	7/25/2023	1449	OL		1/22/2024	1049	OL	
EW-7	Area 1	R11/F2	7/25/2023	1511	OL		1/22/2024	1048	OL	
EW-8	Area 1	R10/F2	7/25/2023	1455	OL		1/22/2024	1112	OL	
EW-9	Area 1	N9/F4	7/25/2023	1445	OL		1/22/2024	1031	15.1	Floor leak
EW-10	Area 1	N8/F4	7/25/2023	1446	OL		1/22/2024	1032	15.43	Floor leak
EW-11	Area 1	P9/F4	7/25/2023	1448	OL		1/22/2024	1030	15.72	Floor leak
EW-12	Area 1	P8/F4	7/25/2023	1447	OL		1/22/2024	1029	15.78	
EW-13	Area 1	Q9/F3	7/25/2023	1451	OL	Floor leak	1/22/2024	1025	OL	Floor leak
EW-14	Area 1	Q8/F3	7/25/2023	1451	OL		1/22/2024	1023	OL	Floor leak
EW-15	Area 1	R9/F3	7/25/2023	1454	OL		1/22/2024	1020	OL	Floor leak
EW-16	Area 1	R8/F3	7/25/2023	1453	OL		1/22/2024	1020	OL	
EW-17	Area 1	S10/F5	7/25/2023	1456	OL	Floor leak	1/22/2024	1018	OL	No floor leak (floor repaired)
EW-18	Area 1	S9/F5	7/25/2023	1456	OL		1/22/2024	1018	OL	
EW-19	Area 1	S8/F5	7/25/2023	1457	OL		1/22/2024	1010	OL	
EW-20	Area 1	S7/F5	7/25/2023	1500	OL		1/22/2024	1015	OL	
EW-21	Area 1	N7/F7	7/27/2023	1000	OL		1/22/2024	1044	12.495	
EW-22	Area 1	P7/F7	7/25/2023	1447	OL		1/22/2024	1105	12.285	
EW-23	Area 1	Q7/F7	7/25/2023	1452	OL		1/22/2024	1101	12.105	
EW-24	Area 1	R7/F7	7/25/2023	1453	OL		1/22/2024	1101	12.33	
EW-25	Area 1	M8/F6	7/25/2023	1442	6.708		1/22/2024	1107	4.993	
EW-26	Area 1	M7/F6	7/25/2023	1444	6.504		1/22/2024	1108	4.845	
EW-49	Area 1A	T4/F15	7/27/2023	1022	8.915		1/22/2024	1340	8.544	
EW-50	Area 1A	T6/F15	7/27/2023	1025	9.047		1/22/2024	1341	8.648	
EW-51	Area 1A	V4/F15	7/27/2023	1032	8.378		1/22/2024	0930	7.947	
EW-52	Area 1A	V6/F15	7/25/2023	1503	8.445		1/22/2024	0941	8.061	
EW-27	Area 2	B7/F10	7/25/2023	1355	6.677		1/22/2024	1156	5.237	
EW-28	Area 2	B6/F10	7/25/2023	1354	6.777		1/22/2024	1155	5.320	
EW-29	Area 2	C7/F10	7/25/2023	1349	6.480		1/22/2024	1157	4.975	
EW-30	Area 2	C6/F10	7/25/2023	1351	6.601		1/22/2024	1158	5.113	
EW-31	Area 2	B5/F9	7/25/2023	1353	3.214		1/22/2024	1155	2.613	
EW-32	Area 2	B4/F9	7/25/2023	1356	3.518		1/22/2024	1154	2.945	
EW-33	Area 2	C5/F9	7/25/2023	1352	3.281		1/22/2024	1159	2.646	
EW-34	Area 2	C4/F9	7/25/2023	1358	3.326		1/22/2024	1200	2.707	
EW-35	Area 2	B3/F8	7/25/2023	1403	6.970		1/22/2024	1153	5.804	
EW-36	Area 2	B2/F8	7/25/2023	1404	7.140		1/22/2024	1202	5.482	
EW-37	Area 2	C3/F8	7/25/2023	1400	6.866		1/22/2024	1206	5.662	
EW-38	Area 2	C2/F8	7/25/2023	1402	7.019		1/22/2024	1204	3.825	
EW-39	Area 2	D7/F11	7/25/2023	1347	1.622		1/22/2024	1218	1.211	
EW-40	Area 2	D6/F11	7/25/2023	1346	0.681		1/22/2024	1219	0.237	
EW-41	Area 2	D5/F11	7/25/2023	1345	2.120		1/22/2024	1216	1.637	
EW-42	Area 2	D4/F11	7/25/2023	1344	2.395		1/22/2024	1210	1.806	
EW-42t	Area 2	D4 trench/ F11	7/25/2023	1343	2.381		1/22/2024	1210	1.793	
EW-43	Area 2	D3/F11	7/25/2023	1341	2.728		1/22/2024	1209	2.143	
EW-44	Area 2	D2/F12	7/25/2023	1342	8.215		1/22/2024	1208	7.432	
EW-45	Area 2	Sump/F12	7/25/2023	1207	1.895		1/22/2024	1212	0.975	
EW-46	Area 2	BaseNW/ F12	7/25/2023	1158	7.584		1/22/2024	1213	7.296	
EW-47	Area 2	BaseNE/ F12	7/25/2023	1200	7.574		1/22/2024	1213	7.290	
EW-48	Area 2	BaseSE/ F12	7/25/2023	1205	7.694		1/22/2024	1212	7.429	
EW-48b	Area 2	BaseSW/ F12	7/25/2023	1206	7.691		1/22/2024	1214	7.423	
EW-53	Area 2A	D11/F16	7/26/2023	1200	3.673		1/22/2024	1256	3.262	
EW-54	Area 2A	D13/F16	7/26/2023	1202	3.882		1/22/2024	1252	3.601	
EW-55	Area 2A	~F11/F16	7/26/2023	1204	4.154		1/22/2024	1305	3.862	
EW-56	Area 2A	~F13/F16	7/26/2023	1205	4.141		1/22/2024	1306	3.837	
EW-57	Area 3	A2-14.5/ F17	7/27/2023	1139	OL		1/22/2024	1249	OL	
EW-58	Area 3	A3-14/ F17	7/27/2023	1136	OL		1/22/2024	1238	OL	

Note: Positive number indicates vacuum

OL = Vacuum over instrument limit

~ indicates an approximate time

NR = Not Recorded

Table 7
Summary of Sump Analytical Results
Rochester Technology Park,
Building 4, Rochester, NY

Sample Location			Buliding #4 Sump																	
Sample Date			1-Oct-13	21-Jan-14	11-Apr-14	11-Jul-14	3-Oct-14	2-Jan-15	10-Apr-15	1-Jul-15	2-Oct-15	22-Jan-16	1-Apr-16	1-Jul-16	7-Oct-16	6-Jan-17	7-Apr-17	21-Jul-17	4-Oct-17	5-Jan-18	6-Apr-18	6-Jul-18
Sample ID			Building #4 Sump	Building #4 Sump	Building #4 Sump	Building #4 Sump	Building #4 Sump	Building #4 Sump	Building #4 Sump	Building #4 Sump	Building #4 Sump	Building #4 Sump	Building #4 Sump	Building #4 Sump	Building #4 Sump	Building #4 Sump	Building #4 Sump	Building #4 Sump	Building #4 Sump	Building #4 Sump	Building #4 Sump	Building #4 Sump
Sampling Company			STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH
Laboratory Work Order			133767	140224	141423	142937	144364	150010	151250	152706	154173	160305	161254	162779	164383	170076	171418	173205	174443	180041	181306	183025
Laboratory Sample ID			133767-01	140224-01	141423-01	142937-01	144364-01	150010-01	151250-01	152706-01	154173-01	160305-01	161254-01	162779-01	164383-01	170076-01	171418-01	173205-01	174443-01	180041-01	181306-01	183025-01
Sample Type	Units	TOGS																				
Volatile Organic Compounds																						
Benzene	µg/L	1[B]	0.700 U	0.700 U	0.700 U	0.700 U	0.700 U	0.700 U	0.700 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
Bromodichloromethane	µg/L	50[A]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Bromoform (Tribromomethane)	µg/L	50[A]	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
Bromomethane (Methyl bromide)	µg/L	5[B]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Carbon Tetrachloride (Tetrachloromethane)	µg/L	5[B]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Chlorobenzene (Monochlorobenzene)	µg/L	5[B]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Chloroethane (Ethyl Chloride)	µg/L	5[B]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Chloroethyl Vinyl Ether, 2-	µg/L	n/v	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Chloroform (Trichloromethane)	µg/L	7[B]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Chloromethane	µg/L	5[B]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Dibromochloromethane	µg/L	50[A]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Dichlorobenzene, 1,2-	µg/L	3[B]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Dichlorobenzene, 1,3-	µg/L	3[B]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Dichlorobenzene, 1,4-	µg/L	3[B]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Dichloroethane, 1,1-	µg/L	5[B]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Dichloroethane, 1,2-	µg/L	0.6[B]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Dichloroethene, 1,1-	µg/L	5[B]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Dichloroethene, cis-1,2-	µg/L	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, trans-1,2-	µg/L	5[B]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Dichloropropane, 1,2-	µg/L	1[B]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Dichloropropene, cis-1,3-	µg/L	0.4[B]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Dichloropropene, trans-1,3-	µg/L	0.4[B]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Ethylbenzene	µg/L	5[B]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Methylene Chloride (Dichloromethane)	µg/L	5[B]	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
Tetrachloroethane, 1,1,2,2-	µg/L	5[B]	2.00 U	2.00 U	2.00 U	2.00 U	-	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Tetrachloroethene (PCE)	µg/L	5[B]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Toluene	µg/L	5[B]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Trichloroethane, 1,1,1-	µg/L	5[B]	2.00 U	2.00 U	2.00 U	2.00 U	-	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Trichloroethane, 1,1,2-	µg/L	1[B]	2.00 U	2.00 U	2.00 U	2.00 U	-	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Trichloroethene (TCE)	µg/L	5[B]	2.06	2.66	**10.2[B]**	2.00 U	2.00 U	2.00 U	2.77	2.00 U	2.00 U	2.00 U	2.66	2.00 U	2.19	**21.0[B]**	**8.00[B]**	**7.15[B]**	4.22	2.00 U	2.95	**10.8[B]**
Trichlorofluoromethane (Freon 11)	µg/L	5[B]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Vinyl Chloride	µg/L	2[B]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Tetrachloroethane, 1,1,2,2-	µg/L	5[B]	-	-	-	-	2.00 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/L	5[B]	-	-	-	-	2.00 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,2-	µg/L	1[B]	-	-	-	-	2.00 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total VOC	µg/L	n/v	2.06	2.66	10.2	U	U	U	2.77	U	U	U	2.66	U	2.19	21	8.00	7.15	4.22	U	2.95	10.8

See notes on last page.

Table 7
Summary of Sump Analytical Results
Rochester Technology Park,
Building 4, Rochester, NY

Sample Location			Buliding #4 Sump contd.																	
Sample Date			3-Oct-18	18-Jan-19	12-Apr-19	19-Jul-19	4-Oct-19	10-Jan-20	10-Apr-20	17-Jul-20	13-Nov-20	15-Jan-21	9-Apr-21	2-Jul-21	8-Oct-21	7-Jan-22	1-Apr-22	8-Jul-22	7-Oct-22	12-Jan-23	7-Apr-23
Sample ID			Building #4 Sump	Building #4 Sump	Building #4 Sump	Building #4 Sump	Building #4 Sump	Building #4 Sump	Building #4 Sump	Building #4 Sump	Building #4 Sump	Building #4 Sump	Building #4 Sump	Building #4 Sump	Building #4 Sump	Building #4 Sump	Building #4 Sump	Building #4 Sump	Building #4 Sump	Building #4 Sump	Building #4 Sump
Sampling Company			STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH
Laboratory Work Order			184547	190267	191479	193399	194878	200141	201526	203272	205429	210226	211444	212932	214564	220094	221383	223219	224800	230159	231363
Laboratory Sample ID			184547-01	190267-01	191479-01	193399-01	194878-01	200141-01	201526-01	203272-01	205429-01	210226-01	211444-01	212932-01	214564-01	220094-01	221383-01	223219-01	224800-01	230159-01	231363-01
Sample Type	Units	TOGS																			
Volatile Organic Compounds																					
Benzene	µg/L	1[B]	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	-	1.00 U	1.00 U	1.00 U
Bromodichloromethane	µg/L	50[A]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Bromoform (Tribromomethane)	µg/L	50[A]	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
Bromomethane (Methyl bromide)	µg/L	5[B]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Carbon Tetrachloride (Tetrachloromethane)	µg/L	5[B]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Chlorobenzene (Monochlorobenzene)	µg/L	5[B]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Chloroethane (Ethyl Chloride)	µg/L	5[B]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Chloroethyl Vinyl Ether, 2-	µg/L	n/v	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	-	5.00 U	5.00 U	5.00 U
Chloroform (Trichloromethane)	µg/L	7[B]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Chloromethane	µg/L	5[B]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Dibromochloromethane	µg/L	50[A]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Dichlorobenzene, 1,2-	µg/L	3[B]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Dichlorobenzene, 1,3-	µg/L	3[B]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Dichlorobenzene, 1,4-	µg/L	3[B]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Dichloroethane, 1,1-	µg/L	5[B]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Dichloroethane, 1,2-	µg/L	0.6[B]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Dichloroethene, 1,1-	µg/L	5[B]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Dichloroethene, cis-1,2-	µg/L	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.00 U	-	-	-
Dichloroethene, trans-1,2-	µg/L	5[B]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Dichloropropane, 1,2-	µg/L	1[B]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Dichloropropene, cis-1,3-	µg/L	0.4[B]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Dichloropropene, trans-1,3-	µg/L	0.4[B]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Ethylbenzene	µg/L	5[B]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	-	2.00 U	2.00 U	2.00 U
Methylene Chloride (Dichloromethane)	µg/L	5[B]	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
Tetrachloroethane, 1,1,2,2-	µg/L	5[B]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Tetrachloroethene (PCE)	µg/L	5[B]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Toluene	µg/L	5[B]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	-	2.00 U	2.00 U	2.00 U
Trichloroethane, 1,1,1-	µg/L	5[B]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Trichloroethane, 1,1,2-	µg/L	1[B]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Trichloroethene (TCE)	µg/L	5[B]	**14.8[B]**	4.91	2.57	2.22	2.00 U	4.71	4.49	**5.25[B]**	4.42	**6.42[B]**	2.37	2.90	3.05	3.09	4.62	2.00 U	2.07	2.00 U	4.33
Trichlorofluoromethane (Freon 11)	µg/L	5[B]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Vinyl Chloride	µg/L	2[B]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Tetrachloroethane, 1,1,2,2-	µg/L	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/L	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,2-	µg/L	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total VOC	µg/L	n/v	14.8	4.91	2.57	2.22	U	4.71	4.49	5.25	4.42	6.42	2.37	2.90	3.05	3.09	4.62	U	2.07	U	4.33

See notes on last page.

Table 7
Summary of Sump Analytical Results
Rochester Technology Park,
Building 4, Rochester, NY

Sample Location			Buliding #4 Sump contd.			
Sample Date			7-Jul-23	6-Oct-23	5-Jan-24	5-Apr-24
Sample ID			Building #4 Sump	Building #4 Sump	Building #4 Sump	Building #4 Sump
Sampling Company			STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			PARAROCH	PARAROCH	PARAROCH	PARAROCH
Laboratory Work Order			232964	234703	240089	241499
Laboratory Sample ID			232964-01	234703-01	240089-01	241499-01
Sample Type	Units	TOGS				
Volatile Organic Compounds						
Benzene	µg/L	1[B]	1.00 U	1.00 U	1.00 U	1.00 U
Bromodichloromethane	µg/L	50[A]	2.00 U	2.00 U	2.00 U	2.00 U
Bromoform (Tribromomethane)	µg/L	50[A]	5.00 U	5.00 U	5.00 U	5.00 U
Bromomethane (Methyl bromide)	µg/L	5[B]	2.00 U	2.00 U	2.00 U	2.00 U
Carbon Tetrachloride (Tetrachloromethane)	µg/L	5[B]	2.00 U	2.00 U	2.00 U	2.00 U
Chlorobenzene (Monochlorobenzene)	µg/L	5[B]	2.00 U	2.00 U	2.00 U	2.00 U
Chloroethane (Ethyl Chloride)	µg/L	5[B]	2.00 U	2.00 U	2.00 U	2.00 U
Chloroethyl Vinyl Ether, 2-	µg/L	n/v	5.00 U	5.00 U	5.00 U	5.00 U
Chloroform (Trichloromethane)	µg/L	7[B]	2.00 U	2.00 U	2.00 U	2.00 U
Chloromethane	µg/L	5[B]	2.00 U	2.00 U	2.00 U	4.18
Dibromochloromethane	µg/L	50[A]	2.00 U	2.00 U	2.00 U	2.00 U
Dichlorobenzene, 1,2-	µg/L	3[B]	2.00 U	2.00 U	2.00 U	2.00 U
Dichlorobenzene, 1,3-	µg/L	3[B]	2.00 U	2.00 U	2.00 U	2.00 U
Dichlorobenzene, 1,4-	µg/L	3[B]	2.00 U	2.00 U	2.00 U	2.00 U
Dichloroethane, 1,1-	µg/L	5[B]	2.00 U	2.00 U	2.00 U	2.00 U
Dichloroethane, 1,2-	µg/L	0.6[B]	2.00 U	2.00 U	2.00 U	2.00 U
Dichloroethene, 1,1-	µg/L	5[B]	2.00 U	2.00 U	2.00 U	2.00 U
Dichloroethene, cis-1,2-	µg/L	5[B]	-	-	-	-
Dichloroethene, trans-1,2-	µg/L	5[B]	2.00 U	2.00 U	2.00 U	2.00 U
Dichloropropane, 1,2-	µg/L	1[B]	2.00 U	2.00 U	2.00 U	2.00 U
Dichloropropene, cis-1,3-	µg/L	0.4[B]	2.00 U	2.00 U	2.00 U	2.00 U
Dichloropropene, trans-1,3-	µg/L	0.4[B]	2.00 U	2.00 U	2.00 U	2.00 U
Ethylbenzene	µg/L	5[B]	2.00 U	2.00 U	2.00 U	2.00 U
Methylene Chloride (Dichloromethane)	µg/L	5[B]	5.00 U	5.00 U	5.00 U	5.00 U
Tetrachloroethane, 1,1,2,2-	µg/L	5[B]	2.00 U	2.00 U	2.00 U	2.00 U
Tetrachloroethene (PCE)	µg/L	5[B]	2.00 U	2.00 U	2.00 U	2.00 U
Toluene	µg/L	5[B]	2.00 U	2.00 U	2.00 U	2.00 U
Trichloroethane, 1,1,1-	µg/L	5[B]	2.00 U	2.00 U	2.00 U	2.00 U
Trichloroethane, 1,1,2-	µg/L	1[B]	2.00 U	2.00 U	2.00 U	2.00 U
Trichloroethene (TCE)	µg/L	5[B]	2.00 U	2.20	2.00 U	2.79
Trichlorofluoromethane (Freon 11)	µg/L	5[B]	2.00 U	2.00 U	2.00 U	2.00 U
Vinyl Chloride	µg/L	2[B]	2.00 U	2.00 U	2.00 U	2.00 U
Tetrachloroethane, 1,1,2,2-	µg/L	5[B]	2.00 U	2.00 U	2.00 U	2.00 U
Trichloroethane, 1,1,1-	µg/L	5[B]	2.00 U	2.00 U	2.00 U	2.00 U
Trichloroethane, 1,1,2-	µg/L	1[B]	2.00 U	2.00 U	2.00 U	2.00 U
Total VOC	µg/L	n/v	U	2.20	U	6.97

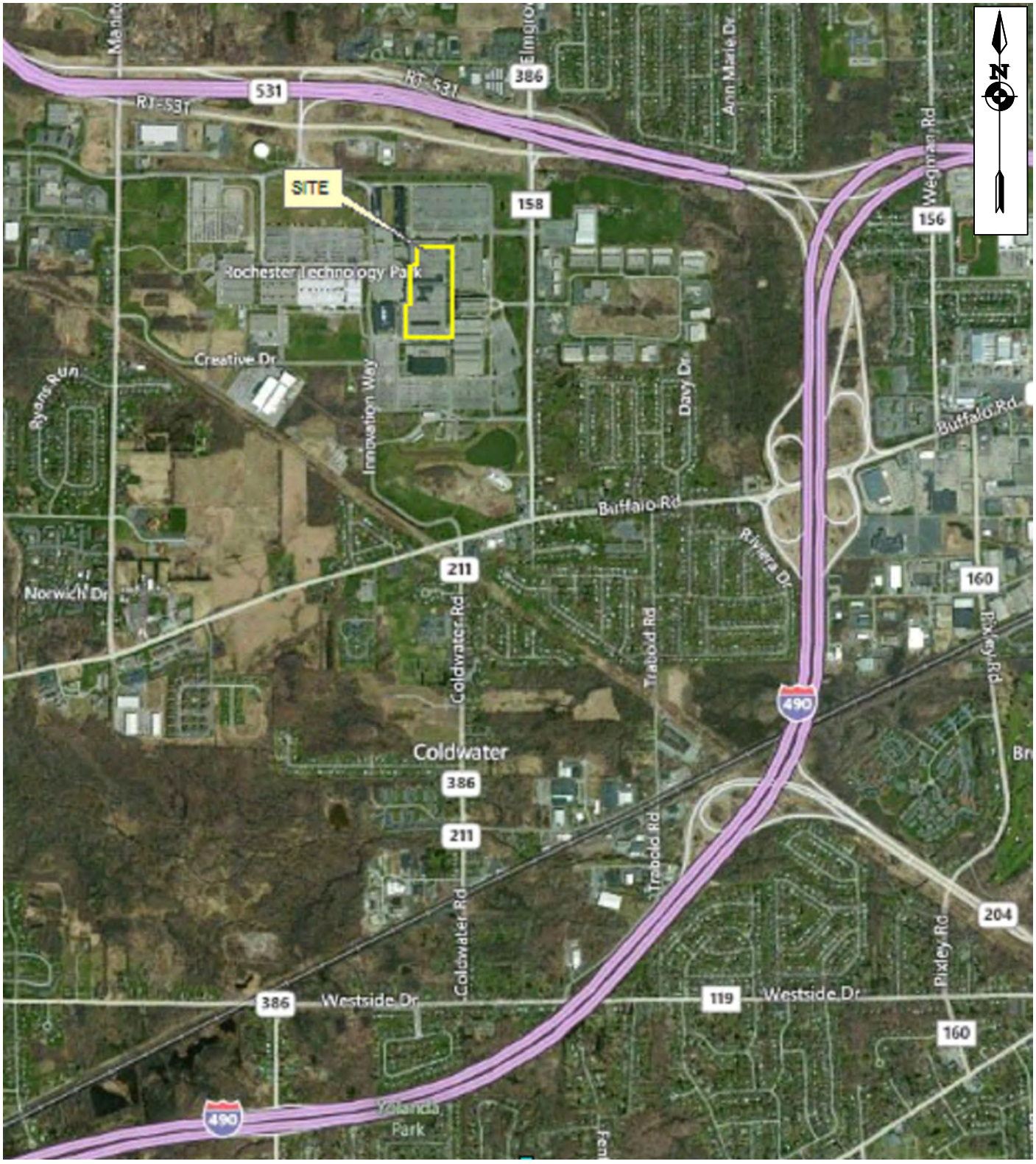
See notes on last page.

Table 7
Summary of Sump Analytical Results
Rochester Technology Park,
Building 4, Rochester, NY

Notes:

TOGS	NYSDEC TOGS 1.1.1 (Reissued June 1998 with errata in January 1999 and addenda in April 2000 and June 2004)
A	TOGS 1.1.1 - Table 1 - Ambient Water Quality Standards and Guidance Values, Division of Water, Technical and Operational Guidance Series (TOGS 1.1.1); Guidance
B	TOGS 1.1.1 - Table 1 - Ambient Water Quality Standards and Guidance Values, Division of Water, Technical and Operational Guidance Series (TOGS 1.1.1); Standards
6.5[A]	Concentration exceeds the indicated standard.
15.2	Measured concentration did not exceed the indicated standard.
0.50 U	Laboratory reporting limit was greater than the applicable standard.
0.03 U	Analyte was not detected at a concentration greater than the laboratory reporting limit.
n/v	No standard/guideline value.
-	Parameter not analyzed / not available.
**	The principal organic contaminant standard for groundwater of 5 ug/L (described elsewhere in the TOGS table) applies to this substance.
p	Applies to the sum of cis- and trans-1,3-dichloropropene.
ND	Not detected.

FIGURES



U:\190500390\drawing\Environmental\Monitoring Program\FIG1 Site Location Map.dwg

PROJECT ENGINEER/ARCHITECT: ENGINEER

PROJECT MANAGER: M. STORONSKY

DRAWN BY: A. LESS

SCALE: N.T.S.

FIRST ISSUE DATE: 05/2019

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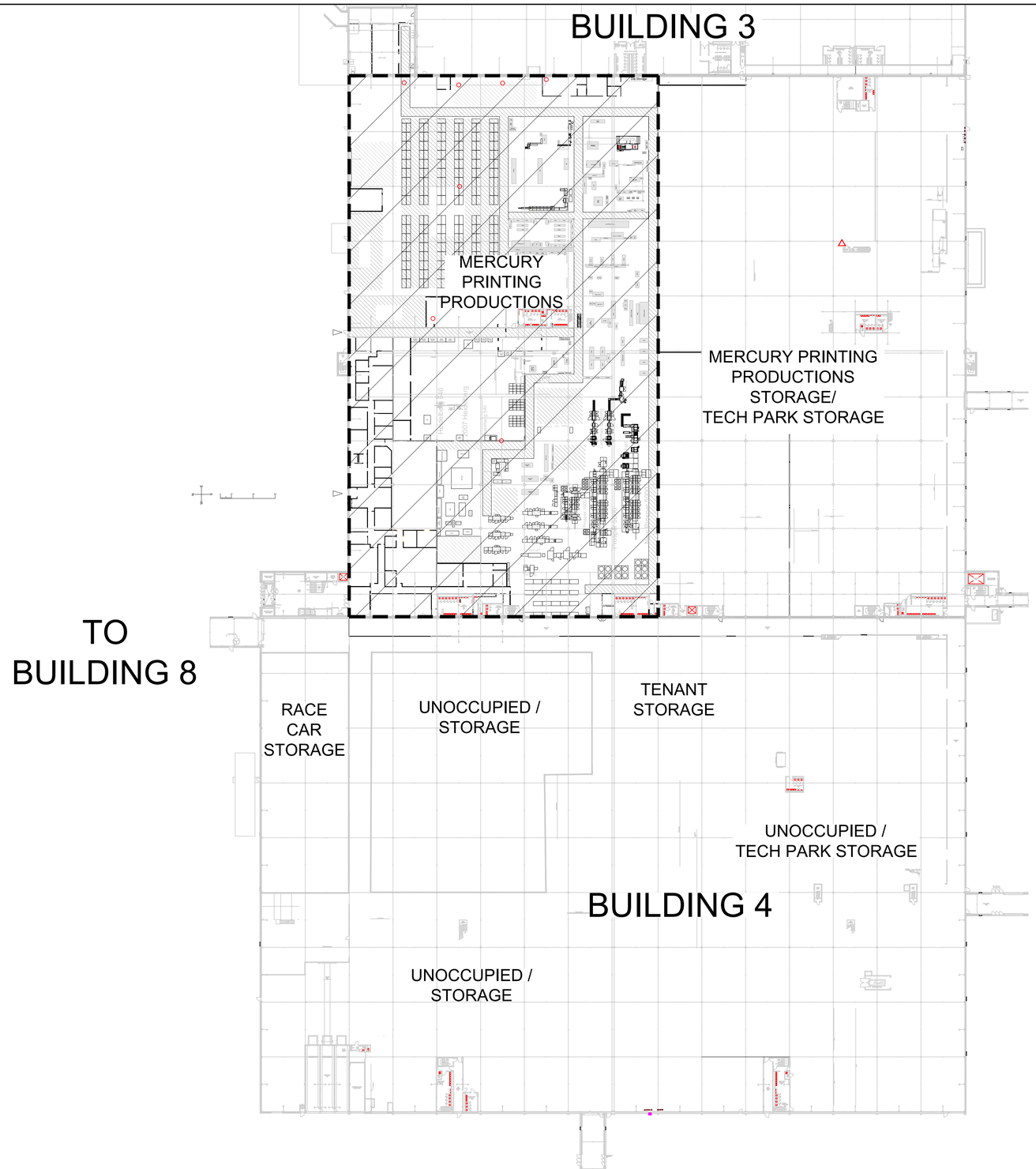
PROJECT: ROCHESTER TECHNOLOGY PARK
ELMGROVE ROAD
TOWN OF GATES

TITLE OF DRAWING: SITE LOCATION MAP

PROJECT NO.: 190500390

DRAWING NO.: FIG. 1

SHEET OF



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Consultants

Legend

Mercury Printing Productions Occupied Space

Notes

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File Name:	Dwn.	Chkd.	Dsgn.	YY.MM.DD

Permit-Seal

Client/Project

Sub-Slab Depressurization System
Building 4

Tech Park Owner, LLC

Town of Gates, New York

Title

Site Layout Map

Project No.	Scale	
190500390	No Scale	
Drawing No.	Sheet	Revision
Figure 2	of	

Stantec

N

Legend

- Monitoring Well
- Sump
- Decommissioned Well Locations
- Building 4
- Groundwater Elevation Contour (ft AMSL)
- MW-204 575.83 — Groundwater Elevation (feet)

0 80 160 Feet

Notes

1. Coordinate System: NAD 1983 StatePlane New York West FIPS 3103 Feet
2. Groundwater elevations were calculated using water level data collected by Stantec on July, 2023 and well survey data collected by Magde Land Surveying PC on behalf of Stantec on July 28, 2015.
3. Contours were developed using natural neighbor interpolation.

Project Location:
Rochester Technology Park
Elmgrove Rd. at Rte. 531 and Buffalo Rd.
Town of Gates, Monroe County, NY

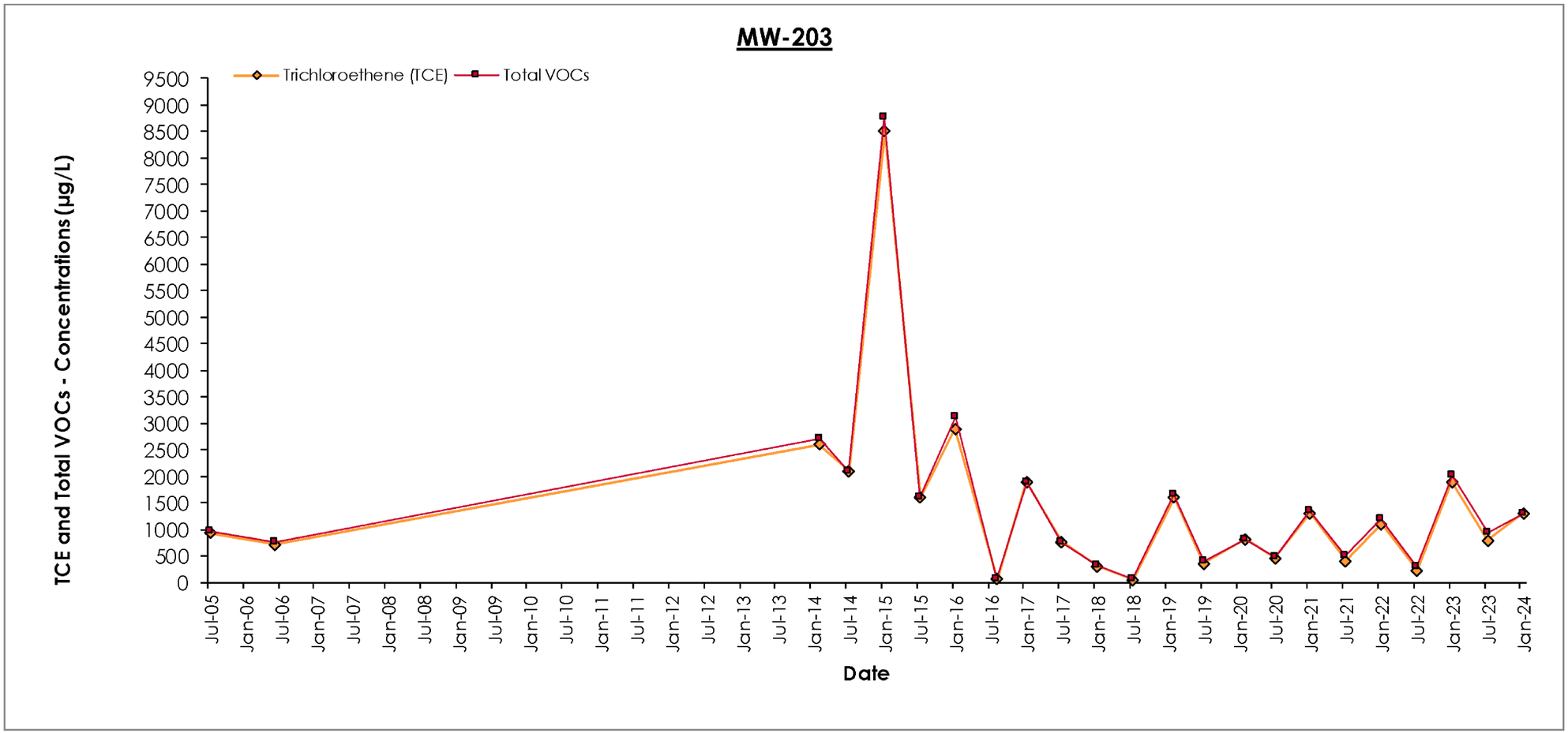
Prepared by KA on 2024-05-22
Technical Review by DH on 2024-06-03

190500390

Client/Project
Rochester Technology Park Building 4
Site No. V00575-8
Periodic Review Report

Figure No.
3

Title
Groundwater Contour Map
July 2023



Stantec

61 Commercial Street, Suite 100
Rochester, New York USA 14614
585.475.1440
www.stantec.com

Consultants

Legend

Notes

Issued	By	Appd.	YY.MM.DD

File Name:

Dwn.	Chkd.	Dsgn.	YY.MM.DD

Permit-Seal

Client/Project
Rochester Tech Park Buidling 4
Site No. V00575-8

Periodic Review Report

Town of Gates, New York

Title
MW-203 VOC Concentrations over Time - July 2005 to January 2024

Project No.	Scale	
190500390	None	
Drawing No.	Sheet	Revision
Figure 4	of	

\\us0275-pcfs01\shared_projects\190500390\drawing\Environmental\Monitoring Program\Figure 4 MW-203 VOC Concentrations - July 2005 to January 2024.dwg
2024/06/03 2:41 PM By: Richelsen, Rose

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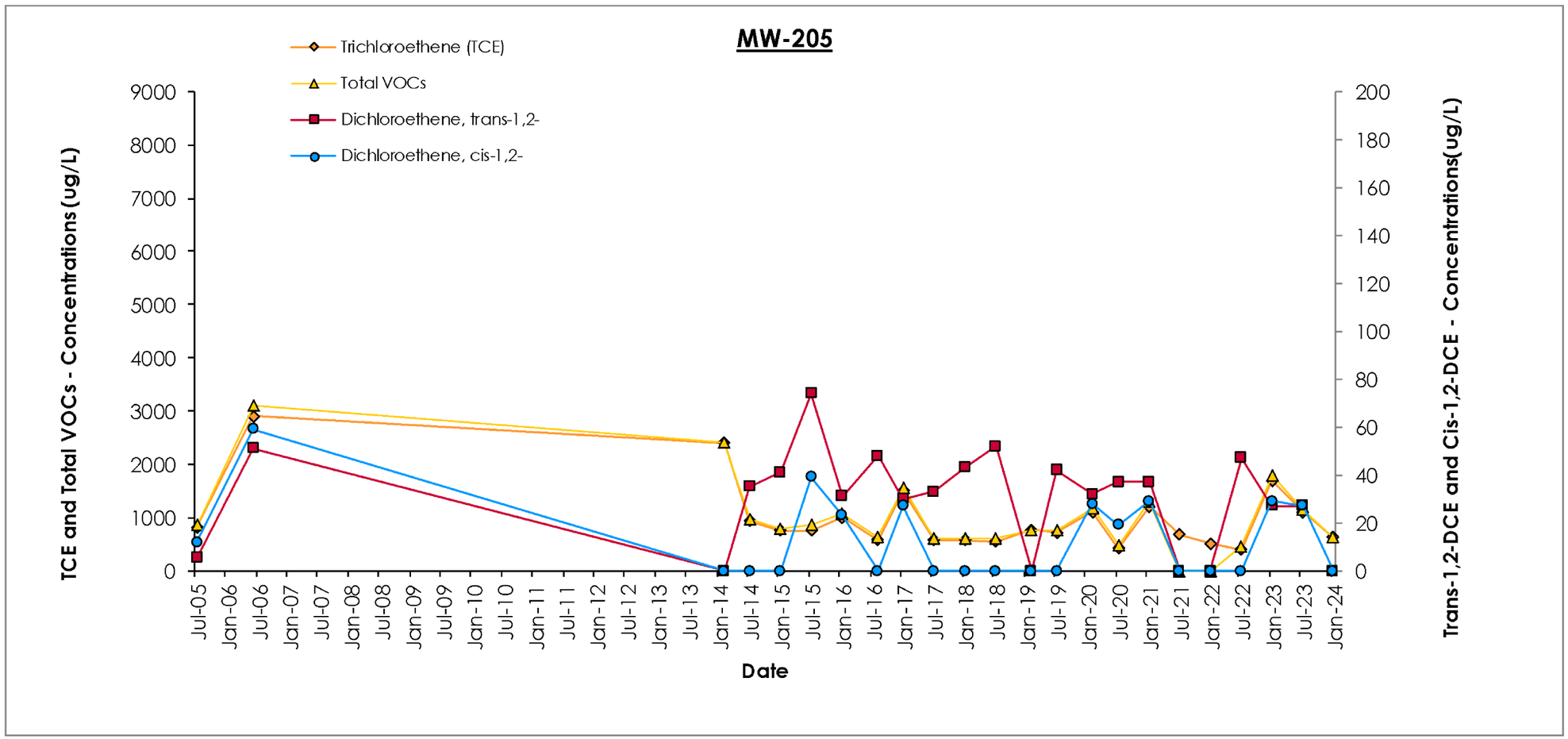

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Notes

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File Name:	Dwn.	Chkd.	Dsgn. YY.MM.DD

Permit-Seal

Client/Project
Rochester Tech Park Buidling 4
Site No. V00575-8

Periodic Review Report

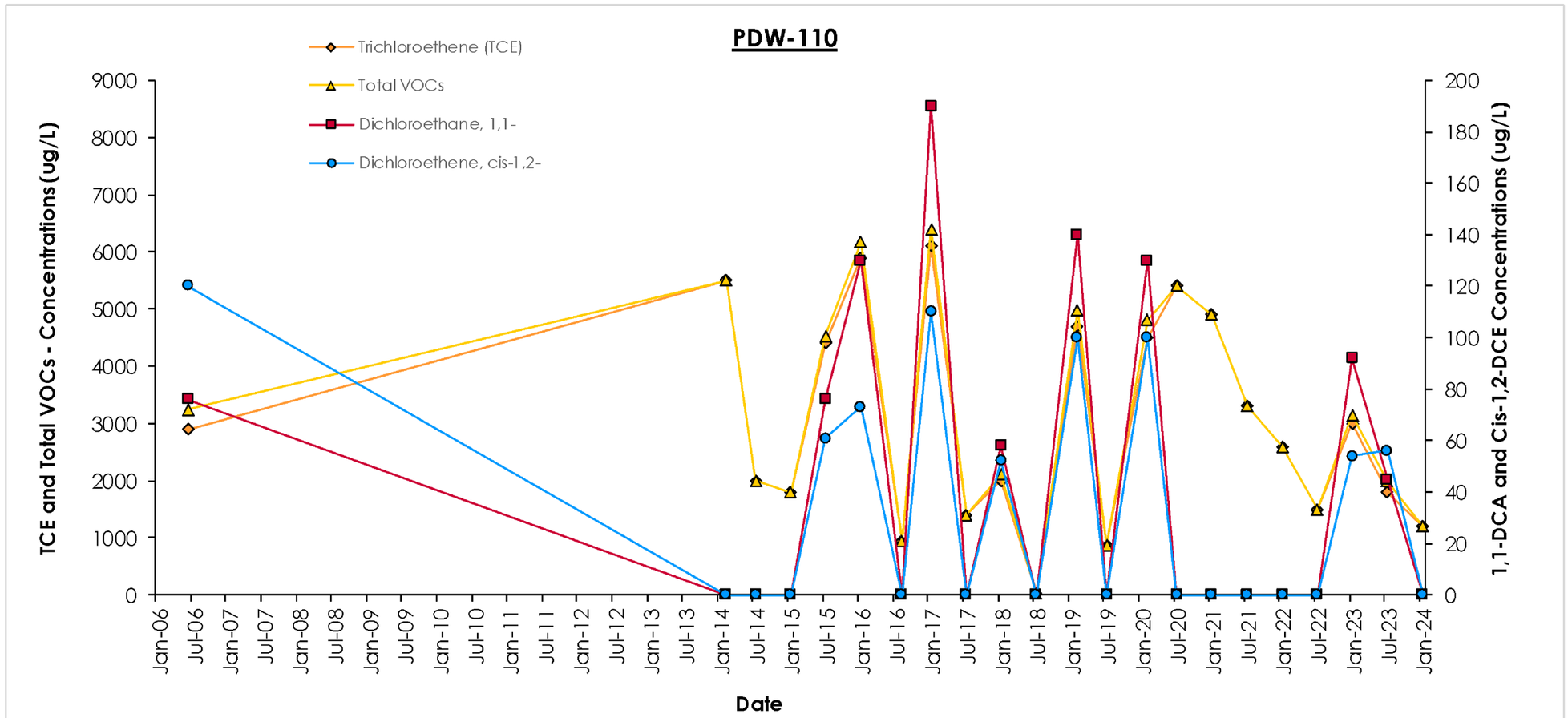
Town of Gates, New York

Title
MW-205 VOC Concentrations over Time - July 2005 to January 2024

Project No.	Scale	
190500390	None	
Drawing No.	Sheet	Revision
Figure 5	of	

\\vsd275-sesfs01\shared_projects\190500390\drawing\Environmental\Monitoring Program\Figure 5 MW-205 VOC Concentrations - July 2005 To January 2024.dwg
2024/06/03 4:17 PM By: RichaRan, Rose

ORIGINAL SHEET - ANSI D



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61 Commercial Street, Suite 100
Rochester, New York USA 14614
585.475.1440
www.stantec.com

Consultants

Legend

Notes

Issued	By	Appd.	YY.MM.DD
File Name:	Dwn.	Chkd.	Dsgn. YY.MM.DD

Permit-Seal

Client/Project
Rochester Tech Park Buidling 4
Site No. V00575-8

Periodic Review Report

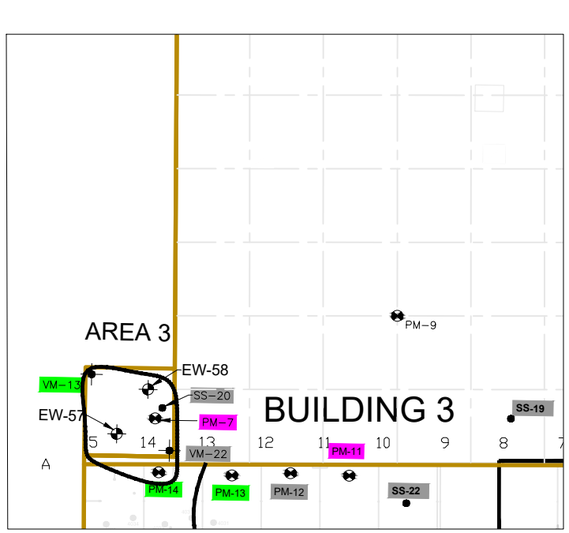
Town of Gates, New York

Title
PDW-110 VOC Concentrations over Time - June 2006 to January 2024

Project No.	Scale	
190500390	None	
Drawing No.	Sheet	Revision
Figure 6	of	

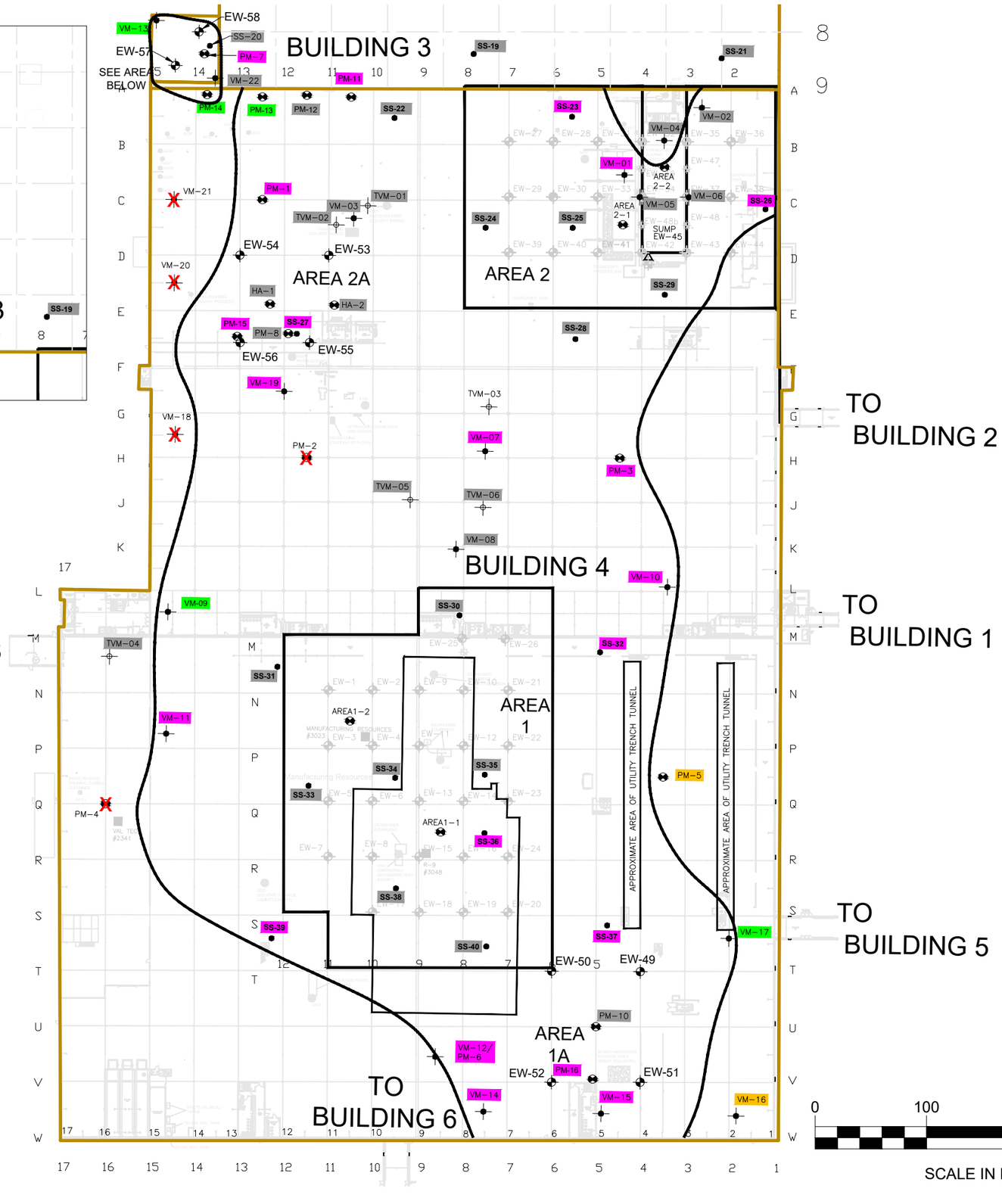
\\us0275-sppfs01\shared_projects\190500390\drawing\Environmental\Monitoring Program\Figure 6 PDW-110 VOC Concentrations - June 2006 To January 2024.dwg
2024/06/03 2:54 PM By: RChatlain, Rose

ORIGINAL SHEET - ANSI D



SEE AREA ABOVE

TO BUILDING 8



TO BUILDING 2

TO BUILDING 1

TO BUILDING 5

TO BUILDING 6

0 100 200 300

SCALE IN FEET

N

Stantec Consulting Services Inc.
61 Commercial Street
Rochester NY U.S.A.
14614
Tel. 585.475.1440
Fax. 585.272.1814
www.stantec.com

Consultants

Legend

- VERTICAL EXTRACTION POINT (EW-1)
- HORIZONTAL EXTRACTION POINT (EW-47)
- SUMP
- INDOOR AIR SAMPLE LOCATION (HnA – JULY 2007)
- VM-10 VACUUM MONITORING POINT (VM-10)
- TVMP-06 TEMPORARY VAPOR MONITORING POINT
- PM-5 POST-MITIGATION SAMPLING LOCATIONS
- OA OUTDOOR AIR SAMPLE LOCATION
- SS-28 SUB-SLAB SOIL VAPOR SAMPLE LOCATION (H&A)
- EW-49 JAN. 2011 VERTICAL EXTRACTION POINT (EW-49)
- APPROX. EXTENT OF JULY 2023 PRESSURE EXTENSION FIELD
- X NO LONGER ACCESSIBLE

Notes

- VACUUM
- VACUUM (RANGE –0.002 TO 0.002) SMOKE
- PRESSURE
- PRESSURE (RANGE –0.002 TO 0.002) NON-SMOKE
- NOT ROUTINELY MONITORED

Pressure Testing – JULY 2023	RR	KA	24.05
Issued	By	Appd.	YY.MM.DD

Permit-Seal

Project/ Client
SUB-SLAB DEPRESSURIZATION SYSTEM - BUILDING 3A & 4

TECH PARK OWNER, LLC

Town of Gates, New York

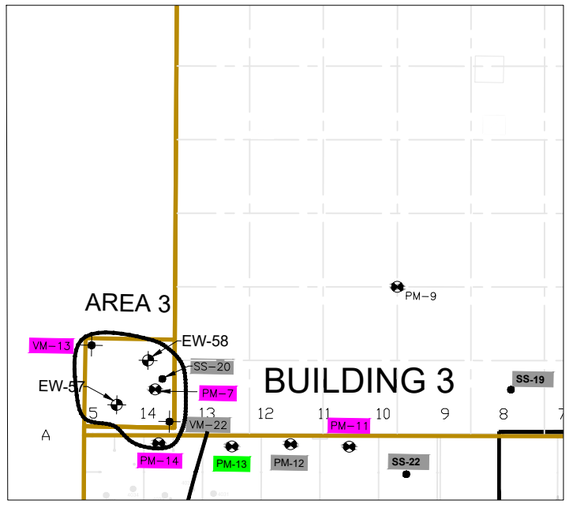
Title

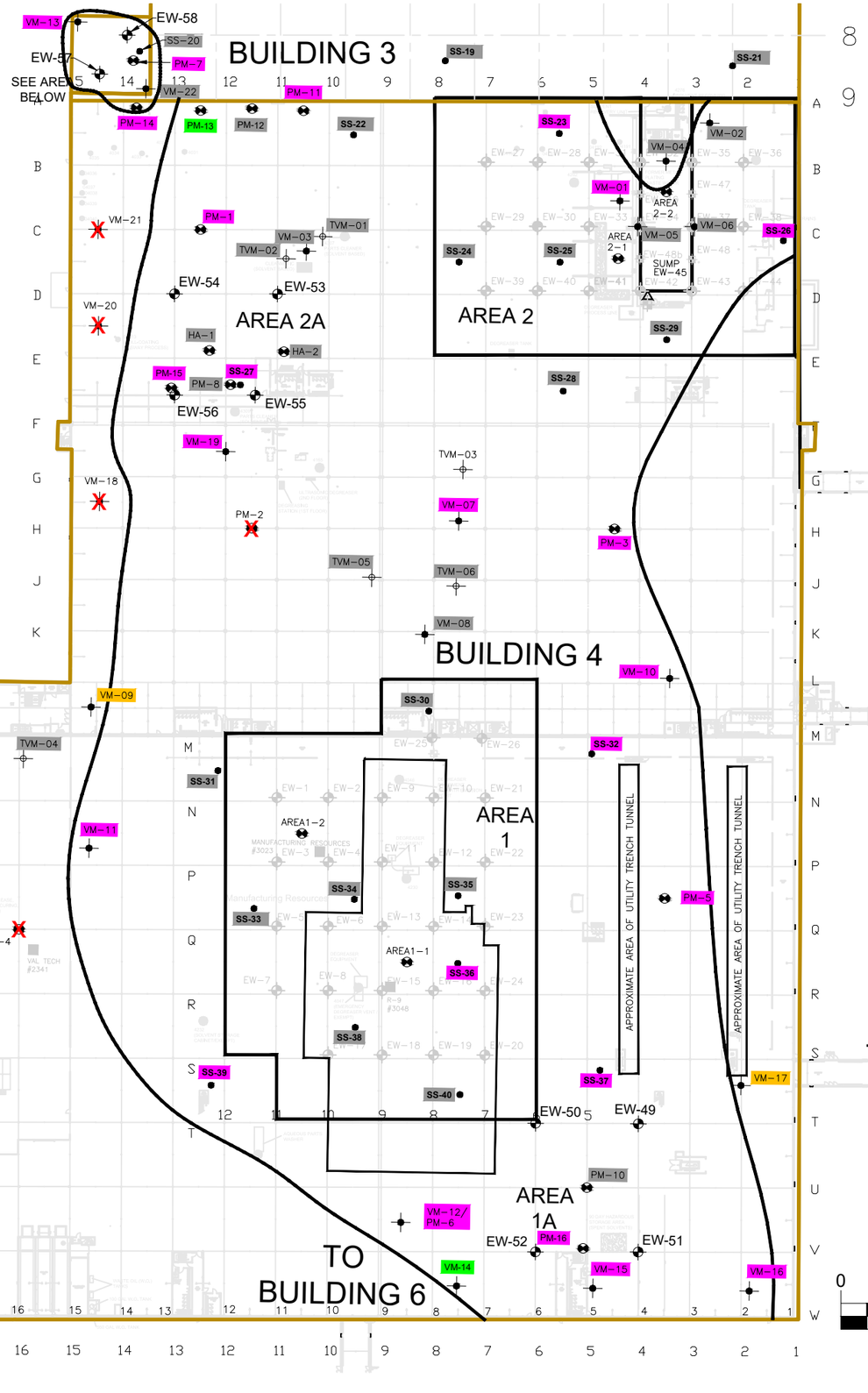
PRESSURE EXTENSION TEST MONITORING POINTS JULY, 2023

Project No.	Scale	
190500390	AS SHOWN	
Drawing No.	Sheet	Revision
Fig. 7A	of	

\\us0275-ppfast01\shared_projects\190500390\drawing\Environmental\Monitoring Program\Fig 7A Pressure Extension Test – July 2023.dwg
2024-05-28 1:19 PM By:Richelsen, Rose

ORIGINAL SHEET – 22 X 34





TO BUILDING 8

TO BUILDING 2

TO BUILDING 1

TO BUILDING 5

0 100 200 300

SCALE IN FEET

N

Stantec Consulting Services Inc.
61 Commercial Street
Rochester NY U.S.A.
14614
Tel. 585.475.1440
Fax. 585.272.1814
www.stantec.com

Consultants

Legend

- VERTICAL EXTRACTION POINT (EW-1)
- HORIZONTAL EXTRACTION POINT (EW-47)
- SUMP
- INDOOR AIR SAMPLE LOCATION (H&A – JULY 2007)
- VM-10 VACUUM MONITORING POINT (VM-10)
- TVMP-06 TEMPORARY VAPOR MONITORING POINT
- PM-5 POST-MITIGATION SAMPLING LOCATIONS
- OA OUTDOOR AIR SAMPLE LOCATION
- SS-28 SUB-SLAB SOIL VAPOR SAMPLE LOCATION (H&A)
- EW-49 JAN. 2011 VERTICAL EXTRACTION POINT (EW-49)
- APPROX. EXTENT OF JAN 2024 PRESSURE EXTENSION FIELD
- X NO LONGER ACCESSIBLE

Notes

- VACUUM
- VACUUM (RANGE –0.002 TO 0.002) SMOKE
- PRESSURE
- PRESSURE (RANGE –0.002 TO 0.002) NON-SMOKE
- NOT ROUTINELY MONITORED

Issued	By	Appd.	YY.MM.DD
Pressure Testing – JAN 2024	RR	KA	24.05

Permit-Seal

Project/ Client
SUB-SLAB DEPRESSURIZATION SYSTEM - BUILDING 3A & 4

TECH PARK OWNER, LLC

Town of Gates, New York

Title
PRESSURE EXTENSION TEST MONITORING POINTS JAN 2024

Project No.	Scale	
190500390	AS SHOWN	
Drawing No.	Sheet	Revision
Fig. 7B	of	

APPENDIX A

IC/EC Certification Forms

Enclosure 2
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form

Site Details **Box 1**

Site No. V00575

Site Name Rochester Technology Park

Site Address: Lot K, Building 4, Rochester Tech Park Zip Code: 14624-
City/Town: Gates
County: Monroe
Site Acreage: 13.166

Reporting Period: May 10, 2023 to May 10, 2024

	YES	NO
1. Is the information above correct?	✔	
If NO, include handwritten above or on a separate sheet.		
2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?		✔
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?		✔
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?		✔
If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.		
5. Is the site currently undergoing development?		✔

Box 2

	YES	NO
6. Is the current site use consistent with the use(s) listed below? Commercial and Industrial	✔	
7. Are all ICs in place and functioning as designed?	✔	

IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative Date

SITE NO. V00575 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
118.11-1-71	Tech Park Owner LLC	Ground Water Use Restriction Landuse Restriction Site Management Plan

1. Prohibition against activities that threaten the integrity of the engineering controls.
2. Prohibition against activities that disturb, remove, or otherwise interfere with the installation, use, operation, and maintenance of engineering controls.
3. Building 4 use must be maintained as commercial or industrial.
4. Prohibition against use of groundwater without treatment.
5. Requires periodic certification of the institutional and engineering controls.
6. requires compliance with the approved Site Management Plan.

Box 4

Description of Engineering Controls

Parcel	Engineering Control
118.11-1-71	Groundwater Treatment System Vapor Mitigation Cover System

1. The cover system consists of the Building 4 concrete floor slab which covers the entire Site.
2. Groundwater extratction and treatment using the Building 4 sump pump which discharges to the sanitary sewer.
3. Vapor mitigation using Sub-slab Depressurization Systems.

Box 5

Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

   a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the Engineering Control certification;

   b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and compete.

YES	NO
✔	

2. For each Engineering control listed in Box 4, I certify by checking "YES" below that all of the following statements are true:

   (a) The Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

   (b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

   (c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;

   (d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and

   (e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

YES	NO
✔	

IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

_____ _____

Signature of Owner, Remedial Party or Designated Representative Date

IC CERTIFICATIONS
SITE NO. V00575

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1,2, and 3 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 Adam Westreich (print name) at (Tech Park Owner LLC), 120 West 45th Street, Suite 1010, NY, NY 10036 (print business address),

am certifying as the authorized representative of Owner (Owner or Remedial Party)

for the Site named in the Site Details Section of this form.

Signature of Owner, Remedial Party, or Designated Representative Rendering Certification

6/11/2024
Date

EC CERTIFICATIONS

Box 7

Professional Engineer Signature

I certify that all information in Boxes 4 and 5 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 Dwight Harrienger (print name) at Stantec Consulting Services Inc., 61 Commercial Street Suite 100 Rochester NY (print business address),

am certifying as a Professional Engineer for the Owner (Owner or Remedial Party)

Dwight Harrienger

Signature of Professional Engineer, for the Owner or Remedial Party, Rendering Certification

Stamp (Required for PE)

6/11/2024

Date

Enclosure 3
Periodic Review Report (PRR) General Guidance

I. Executive Summary: (1/2-page or less)
   A. Provide a brief summary of site, nature and extent of contamination, and remedial history.
   B. Effectiveness of the Remedial Program - Provide overall conclusions regarding;
      1. progress made during the reporting period toward meeting the remedial objectives for the site
      2. the ultimate ability of the remedial program to achieve the remedial objectives for the site.
   C. Compliance
      1. Identify any areas of non-compliance regarding the major elements of the Site Management Plan (SMP, i.e., the Institutional/Engineering Control (IC/EC) Plan, the Monitoring Plan, and the Operation & Maintenance (O&M) Plan).
      2. Propose steps to be taken and a schedule to correct any areas of non-compliance.
   D. Recommendations
      1. recommend whether any changes to the SMP are needed
      2. recommend any changes to the frequency for submittal of PRRs (increase, decrease)
      3. recommend whether the requirements for discontinuing site management have been met.

II. Site Overview (one page or less)
   A. Describe the site location, boundaries (figure), significant features, surrounding area, and the nature and extent of contamination prior to site remediation.
   B. Describe the chronology of the main features of the remedial program for the site, the components of the selected remedy, cleanup goals, site closure criteria, and any significant changes to the selected remedy that have been made since remedy selection.

III. Evaluate Remedy Performance, Effectiveness, and Protectiveness
   Using tables, graphs, charts and bulleted text to the extent practicable, describe the effectiveness of the remedy in achieving the remedial goals for the site. Base findings, recommendations, and conclusions on objective data. Evaluations and should be presented simply and concisely.

IV. IC/EC Plan Compliance Report (if applicable)
   A. IC/EC Requirements and Compliance
      1. Describe each control, its objective, and how performance of the control is evaluated.
      2. Summarize the status of each goal (whether it is fully in place and its effectiveness).
      3. Corrective Measures: describe steps proposed to address any deficiencies in ICECs.
      4. Conclusions and recommendations for changes.
   B. IC/EC Certification
      1. The certification must be complete (even if there are IC/EC deficiencies), and certified by the appropriate party as set forth in a Department-approved certification form(s).

V. Monitoring Plan Compliance Report (if applicable)
   A. Components of the Monitoring Plan (tabular presentations preferred) - Describe the requirements of the monitoring plan by media (i.e., soil, groundwater, sediment, etc.) and by any remedial technologies being used at the site.
   B. Summary of Monitoring Completed During Reporting Period - Describe the monitoring tasks actually completed during this PRR reporting period. Tables and/or figures should be used to show all data.
   C. Comparisons with Remedial Objectives - Compare the results of all monitoring with the remedial objectives for the site. Include trend analyses where possible.
   D. Monitoring Deficiencies - Describe any ways in which monitoring did not fully comply with the monitoring plan.
   E. Conclusions and Recommendations for Changes - Provide overall conclusions regarding the monitoring completed and the resulting evaluations regarding remedial effectiveness.

VI. Operation & Maintenance (O&M) Plan Compliance Report (if applicable)
   A. Components of O&M Plan - Describe the requirements of the O&M plan including required activities, frequencies, recordkeeping, etc.
   B. Summary of O&M Completed During Reporting Period - Describe the O&M tasks actually completed during this PRR reporting period.
   C. Evaluation of Remedial Systems - Based upon the results of the O&M activities completed, evaluated

the ability of each component of the remedy subject to O&M requirements to perform as designed/expected.

D. O&M Deficiencies - Identify any deficiencies in complying with the O&M plan during this PRR reporting period.

E. Conclusions and Recommendations for Improvements - Provide an overall conclusion regarding O&M for the site and identify any suggested improvements requiring changes in the O&M Plan.

VII. Overall PRR Conclusions and Recommendations

A. Compliance with SMP - For each component of the SMP (i.e., IC/EC, monitoring, O&M), summarize;
   1. whether all requirements of each plan were met during the reporting period
   2. any requirements not met
   3. proposed plans and a schedule for coming into full compliance.

B. Performance and Effectiveness of the Remedy - Based upon your evaluation of the components of the SMP, form conclusions about the performance of each component and the ability of the remedy to achieve the remedial objectives for the site.

C. Future PRR Submittals
   1. Recommend, with supporting justification, whether the frequency of the submittal of PRRs should be changed (either increased or decreased).
   2. If the requirements for site closure have been achieved, contact the Departments Project Manager for the site to determine what, if any, additional documentation is needed to support a decision to discontinue site management.

VIII. Additional Guidance

Additional guidance regarding the preparation and submittal of an acceptable PRR can be obtained from the Departments Project Manager for the site.

APPENDIX B

Laboratory Analytical Reports

August 11, 2023 Service Request No:R2306651

Mr. Michael Storonsky
Stantec Consulting Group, Inc.
61 Commercial St.
Rochester, NY 14614

Laboratory Results for: RTP

Dear Mr.Storonsky,

Enclosed are the results of the sample(s) submitted to our laboratory July 26, 2023
For your reference, these analyses have been assigned our service request number **R2306651.**

All testing was performed according to our laboratory's quality assurance program and met the requirements of the TNI standards except as noted in the case narrative report. Any testing not included in the lab's accreditation is identified on a Non-Certified Analytes report. All results are intended to be considered in their entirety. ALS Environmental is not responsible for use of less than the complete report. Results apply only to the individual samples submitted to the lab for analysis, as listed in the report. The measurement uncertainty of the results included in this report is within that expected when using the prescribed method(s), and represented by Laboratory Control Sample control limits. Any events, such as QC failures or Holding Time exceedances, which may add to the uncertainty are explained in the report narrative or are flagged with qualifiers. The flags are explained in the Report Qualifiers and Definitions page of this report.

Please contact me if you have any questions. My extension is 7476. You may also contact me via email at Chris.Leavy@alsglobal.com.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental

Christopher Leavy
Project Manager

ADDRESS 1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
PHONE +1 585 288 5380 | FAX +1 585 288 8475
ALS Group USA, Corp.
dba ALS Environmental

ALS Environmental
ALS Group USA, Corp
1565 Jefferson Road, Building 300, Suite 360
Rochester, NY 14623
T : +1 585 288 5380
F : +1 585 288 8475
www.alsglobal.com

Table of Contents

Table of Contents (continued)

Table of Contents (continued)

Narrative Documents

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client: Stantec Consulting Group, Inc.
Project: RTP
Sample Matrix: Water

Service Request: R2306651
Date Received: 07/26/2023

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples for the Tier level IV requested by the client.

Sample Receipt:

Nine water samples were received for analysis at ALS Environmental on 07/26/2023. Any discrepancies upon initial sample inspection are annotated on the sample receipt and preservation form included within this report. The samples were stored at minimum in accordance with the analytical method requirements.

Volatiles by GC/MS:

Method 8260C, 08/08/2023: The lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.

Approved by _____ Date 08/11/2023

Sample Receipt Information

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client: Stantec Consulting Group, Inc. **Service Request:**R2306651
Project: RTP/190500390.465

SAMPLE CROSS-REFERENCE

SAMPLE #	CLIENT SAMPLE ID	DATE	TIME
R2306651-001	RTP-PDW110-GW	7/25/2023	1204
R2306651-002	RTP-MW203-GW	7/25/2023	1405
R2306651-003	RTP-MW208-GW	7/25/2023	1520
R2306651-004	Trip Blank	7/25/2023	
R2306651-005	RTP-PDW109-GW	7/26/2023	1034
R2306651-006	RTP-DUP-GW	7/26/2023	1200
R2306651-007	RTP-MW205-GW	7/26/2023	1211
R2306651-008	RTP-MW212-GW	7/26/2023	1357
R2306651-009	RTP-MW213-GW	7/26/2023	1515

Chain of Custody / Analytical Request Form

70669

SR#:

1565 Jefferson Road, Building 300, Suite 360 • Rochester, NY 14623 • +1 585 288 5380 • alsglobal.com

Page | of |

Report To:	ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER
Company: Stantec	Project Name: RTP
Contact: Rose Richelsen	Project Number: 190500390.465
Email: rose.richelsen@stantec.com	ALS Quote #:
Phone: 585-733-2921	Sampler's Signature: Rose R
Address: 61 Commercial St, Suite 100, Rochester, NY 14614	Email CC: Kate.Audino@Stantec.com
	Email CC:
	State Samples Collected (Circle or Write): (NY), MA, PA, CT, Other:

Preservative: 1

Matrix: GW, WW, SW, DW, S, L, NA

Lab ID (ALS)	Sample Collection Information: Sample ID:	Date	Time	Matrix	Number of Containers	MS/MSD?	GC/MS VOA - 8260•624•524•TCLP (TCL-51)	GC/MS SVOA - 8270 • 625 • TCLP	Pesticides - 8081 • 608 • TCLP	PCBs - 8082 • 608	Herbicides - 8151 • TCLP	Metals, Total - Select Below	Metals, Dissolved - Field / In-Lab Filter	Notes:
	RTP-PDW110-GW	7/25/23	1204	GW	3	N	X							1
	RTP-MW203-GW	7/25/23	1405	GW	3	N	X							1
	RTP-MW208-GW	7/25/23	1520	GW	3	N	X							1
	TripBlank	n/a	n/a	W	3	N	X							
	RTP-PDW109-GW	7/26/23	1034	GW	9	Y	X							
	RTP-DUP-GW	7/26/23	1200	GW	3	N	X							
	RTP-MW205-GW	7/26/23	1211	GW	3	N	X							
	RTP-MW212-GW	7/26/23	1357	GW	3	N	X							
	RTP-MW213-GW	7/26/23	1515	GW	3	N	X							

0. None
1. HCl
2. HNO3
3. H2SO4
4. NAOH
5. Zn Acet.
6. MeOH
7. NaHSO4
8. Other

Special Instructions / Comments:

NYSDEC Equis EDD and Stantec Equis 4 file EFWEDD

Turnaround Requirements

____Rush (Surcharges Apply)
Subject to Availability
Please Check with your PM
X Standard (10 Business Days)
Date Required:

Report Requirements

X Tier II/Cat A -Results/QC
X Tier IV/Cat B - Data Validation Report w/. Data
EDD: X Yes ____No
EDD Type: Cat B Equis EDD

Metals: RCRA 8•PP 13•TAL 23•TCLP•Other (List)

VOA/SVOA Report List: TCL • BTEX • TCLP • CP-51/Stars •THM • Other: _____

Invoice To: (X) Same as Report To)

PO #:
Company:
Contact:
Email:

	Relinquished By:	Received By:	Relinquished By:	Received By:	Relinquished By:	Received By:
Signature	Rose R	Sarah Schweitzer				
Printed Name	Rose Richelsen	Sarah Schweitzer				
Company	Stantec	ALS				
Date/Time	7/26/23 / 16:12	7/26/23 16:12				

R2306651 5
Stantec Consulting Group, Inc.
RTP

Distribution: White - Lab Copy; Yellow - Return to Originator

R2306651 5
Stantec Consulting Group, Inc.
RTP

Cooler Receipt and Preservation Check Form

Project/Client Stantec Folder Number

Cooler received on 7/26/23 by: SES

COURIER: ALS UPS FEDEX VELOCITY (CLIENT)

1	Were **Custody seals** on outside of cooler?	(Y) N	5a	**Perchlorate** samples have required headspace?	Y N (NA)
2	**Custody papers** properly completed (ink, signed)?	(Y) N	5b	Did VOA vials, Alk, or Sulfide have sig* **bubbles**?	(Y) N NA **
3	Did all bottles arrive in good **condition** (unbroken)?	(Y) N	6	Where did the bottles originate?	(ALS/ROC) CLIENT
4	Circle: (Wet Ice) **Dry Ice Gel packs** present?	(Y) N	7	Soil VOA received as: Bulk Encore 5035set	(NA)

8. Temperature Readings Date: 7/26/23 Time: 1614 ID: (IR#12) IR#11 From: (Temp Blank) Sample Bottle

Observed Temp (°C)	15.8						
Within 0-6°C?	Y (N)	Y N	Y N	Y N	Y N	Y N	Y N
If <0°C, were samples frozen?	Y N	Y N	Y N	Y N	Y N	Y N	Y N

If out of Temperature, note packing/ice condition: _____ Ice melted * (Poorly Packed (described below)) Same Day Rule

&Client Approval to Run Samples: _____ Standing Approval Client aware at drop-off Client notified by: _____

All samples held in storage location: R002 by SES on 7/26/23 at 1618

5035 samples placed in storage location: _____ by _____ on _____ at _____ within 48 hours of sampling? Y N

Cooler Breakdown/Preservation Check**: Date: 7/27/23 Time: 1730 by: SES.

9. Were all bottle labels complete (*i.e.* analysis, preservation, etc.)? (YES) NO
10. Did all bottle labels and tags agree with custody papers? (YES) NO
11. Were correct containers used for the tests indicated? (YES) NO
12. Were 5035 vials acceptable (no extra labels, not leaking)? YES NO (N/A)
13. Were dissolved metals filtered in the field? YES NO (N/A)
14. Air Samples: Cassettes / Tubes Intact Y / N with MS Y / N Canisters Pressurized Tedlar® Bags Inflated (N/A)

pH	Lot of test paper	Reagent	Preserved? Yes	Preserved? No	Lot Received	Exp	Sample ID Adjusted	Vol. Added	Lot Added	Final pH
≥12		NaOH								
≤2		HNO_3								
≤2		H_2SO_4								
<4		$NaHSO_4$								
5-9		For 608pest			No=Notify for 3day					
Residual Chlorine (-)		For CN, Phenol, 625, 608pest, 522			If +, contact PM to add $Na_2S_2O_3$ (625, 608, CN), ascorbic (phenol).					
		$Na_2S_2O_3$								
		ZnAcetate	-	-	,					
		HCl	**	**	22080153	6/25				

**VOAs and 1664 Not to be tested before analysis. Otherwise, all bottles of all samples with chemical preservatives are checked (not just representatives).

Bottle lot numbers: 022023-3AXH

Explain all Discrepancies/ Other Comments:

*only ice on top of samples

**sig. bubbles: 1 vial RTP-MSD-GW

HPROD	BULK
HTR	FLDT
SUB	HGFB
ALS	LL3541

Labels secondary reviewed by: SES.

PC Secondary Review: _____

*significant air bubbles: VOA > 5-6 mm : WC >1 in. diameter

ALS Group USA, Corp.
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Internal Chain of Custody Report

Client: Stantec Consulting Group, Inc. **Service Request:** R2306651
Project: RTP/190500390.465

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R2306651-001.01					
		7/27/2023	1729	SMO / GESMERIAN	
		7/27/2023	1729	R-001 / GESMERIAN	
R2306651-001.02					
	8260C				
		7/27/2023	1729	SMO / GESMERIAN	
		7/27/2023	1729	R-001 / GESMERIAN	
		8/8/2023	1228	In Lab / KRUEST	
		8/8/2023	1242	R-001-S07 / KRUEST	
R2306651-001.03					
	8260C				
		7/27/2023	1729	SMO / GESMERIAN	
		7/27/2023	1729	R-001 / GESMERIAN	
		8/5/2023	1238	In Lab / KRUEST	
		8/5/2023	1253	R-001-S07 / KRUEST	
R2306651-002.01					
		7/27/2023	1729	SMO / GESMERIAN	
		7/27/2023	1729	R-001 / GESMERIAN	
R2306651-002.02					
	8260C				
		7/27/2023	1729	SMO / GESMERIAN	
		7/27/2023	1729	R-001 / GESMERIAN	
		8/8/2023	1228	In Lab / KRUEST	
		8/8/2023	1242	R-001-S07 / KRUEST	
R2306651-002.03					
	8260C				
		7/27/2023	1729	SMO / GESMERIAN	
		7/27/2023	1729	R-001 / GESMERIAN	
		8/5/2023	1238	In Lab / KRUEST	
		8/5/2023	1253	R-001-S07 / KRUEST	
R2306651-003.01					
		7/27/2023	1729	SMO / GESMERIAN	
		7/27/2023	1729	R-001 / GESMERIAN	
R2306651-003.02					
		7/27/2023	1729	SMO / GESMERIAN	
		7/27/2023	1729	R-001 / GESMERIAN	
R2306651-003.03					

ALS Group USA, Corp.
dba ALS Environmental

Internal Chain of Custody Report

Client: Stantec Consulting Group, Inc. **Service Request:** R2306651
Project: RTP/190500390.465

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
	8260C				
		7/27/2023	1729	SMO / GESMERIAN	
		7/27/2023	1729	R-001 / GESMERIAN	
		8/5/2023	1238	In Lab / KRUEST	
		8/5/2023	1253	R-001-S07 / KRUEST	
R2306651-004.01					
		7/27/2023	1729	SMO / GESMERIAN	
		7/27/2023	1729	R-001 / GESMERIAN	
R2306651-004.02					
		7/27/2023	1729	SMO / GESMERIAN	
		7/27/2023	1729	R-001 / GESMERIAN	
R2306651-004.03					
	8260C				
		7/27/2023	1729	SMO / GESMERIAN	
		7/27/2023	1729	R-001 / GESMERIAN	
		8/5/2023	1238	In Lab / KRUEST	
R2306651-005.01					
		7/27/2023	1729	SMO / GESMERIAN	
		7/27/2023	1729	R-001 / GESMERIAN	
R2306651-005.02					
		7/27/2023	1729	SMO / GESMERIAN	
		7/27/2023	1729	R-001 / GESMERIAN	
R2306651-005.03					
	8260C				
		7/27/2023	1729	SMO / GESMERIAN	
		7/27/2023	1729	R-001 / GESMERIAN	
		8/5/2023	1238	In Lab / KRUEST	
		8/5/2023	1253	R-001-S07 / KRUEST	
R2306651-005.04					
		7/27/2023	1729	SMO / GESMERIAN	
		7/27/2023	1729	R-001 / GESMERIAN	
R2306651-005.05					
		7/27/2023	1729	SMO / GESMERIAN	
		7/27/2023	1729	R-001 / GESMERIAN	

ALS Group USA, Corp.
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Internal Chain of Custody Report

Client: Stantec Consulting Group, Inc. **Service Request:** R2306651
Project: RTP/190500390.465

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R2306651-005.06					
		7/27/2023	1729	SMO / GESMERIAN	
		7/27/2023	1729	R-001 / GESMERIAN	
R2306651-005.07					
		7/27/2023	1729	SMO / GESMERIAN	
		7/27/2023	1729	R-001 / GESMERIAN	
R2306651-005.08					
		7/27/2023	1729	SMO / GESMERIAN	
		7/27/2023	1729	R-001 / GESMERIAN	
R2306651-005.09					
		7/27/2023	1729	SMO / GESMERIAN	
		7/27/2023	1729	R-001 / GESMERIAN	
R2306651-006.01					
		7/27/2023	1729	SMO / GESMERIAN	
		7/27/2023	1729	R-001 / GESMERIAN	
R2306651-006.02					
		7/27/2023	1729	SMO / GESMERIAN	
		7/27/2023	1729	R-001 / GESMERIAN	
R2306651-006.03					
	8260C				
		7/27/2023	1729	SMO / GESMERIAN	
		7/27/2023	1729	R-001 / GESMERIAN	
		8/5/2023	1238	In Lab / KRUEST	
		8/5/2023	1253	R-001-S07 / KRUEST	
R2306651-007.01					
		7/27/2023	1729	SMO / GESMERIAN	
		7/27/2023	1729	R-001 / GESMERIAN	
R2306651-007.02					
	8260C				
		7/27/2023	1729	SMO / GESMERIAN	
		7/27/2023	1729	R-001 / GESMERIAN	
		8/8/2023	1228	In Lab / KRUEST	
		8/8/2023	1242	R-001-S07 / KRUEST	

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Internal Chain of Custody Report

Client: Stantec Consulting Group, Inc. **Service Request:** R2306651
Project: RTP/190500390.465

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R2306651-007.03					
	8260C				
		7/27/2023	1729	SMO / GESMERIAN	
		7/27/2023	1729	R-001 / GESMERIAN	
		8/5/2023	1238	In Lab / KRUEST	
		8/5/2023	1253	R-001-S07 / KRUEST	
R2306651-008.01					
		7/27/2023	1729	SMO / GESMERIAN	
		7/27/2023	1729	R-001 / GESMERIAN	
R2306651-008.02					
		7/27/2023	1729	SMO / GESMERIAN	
		7/27/2023	1729	R-001 / GESMERIAN	
R2306651-008.03					
	8260C				
		7/27/2023	1729	SMO / GESMERIAN	
		7/27/2023	1729	R-001 / GESMERIAN	
		8/5/2023	1238	In Lab / KRUEST	
		8/5/2023	1253	R-001-S07 / KRUEST	
R2306651-009.01					
		7/27/2023	1729	SMO / GESMERIAN	
		7/27/2023	1729	R-001 / GESMERIAN	
R2306651-009.02					
		7/27/2023	1729	SMO / GESMERIAN	
		7/27/2023	1729	R-001 / GESMERIAN	
R2306651-009.03					
	8260C				
		7/27/2023	1729	SMO / GESMERIAN	
		7/27/2023	1729	R-001 / GESMERIAN	
		8/5/2023	1238	In Lab / KRUEST	
		8/5/2023	1253	R-001-S07 / KRUEST	

Miscellaneous Forms

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

REPORT QUALIFIERS AND DEFINITIONS

U	Analyte was analyzed for but not detected. The sample quantitation limit has been corrected for dilution and for percent moisture, unless otherwise noted in the case narrative.
J	Estimated value due to either being a Tentatively Identified Compound (TIC) or that the concentration is between the MRL and the MDL. Concentrations are not verified within the linear range of the calibration. For DoD: concentration >40% difference between two GC columns (pesticides/Arclors).
B	Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.
E	Inorganics- Concentration is estimated due to the serial dilution was outside control limits.
E	Organics- Concentration has exceeded the calibration range for that specific analysis.
D	Concentration is a result of a dilution, typically a secondary analysis of the sample due to exceeding the calibration range or that a surrogate has been diluted out of the sample and cannot be assessed.
*	Indicates that a quality control parameter has exceeded laboratory limits. Under the "Notes" column of the Form I, this qualifier denotes analysis was performed out of Holding Time.
H	Analysis was performed out of hold time for tests that have an "immediate" hold time criteria.
#	Spike was diluted out.
+	Correlation coefficient for MSA is <0.995.
N	Inorganics- Matrix spike recovery was outside laboratory limits.
N	Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.
S	Concentration has been determined using Method of Standard Additions (MSA).
W	Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.
P	Concentration >40% difference between the two GC columns.
C	Confirmed by GC/MS
Q	DoD reports: indicates a pesticide/Aroclor is not confirmed (≥100% Difference between two GC columns).
X	See Case Narrative for discussion.
MRL LOQ	Method Reporting Limit. Also known as: Limit of Quantitation (LOQ) The lowest concentration at which the method analyte may be reliably quantified under the method conditions.
MDL	Method Detection Limit. A statistical value derived from a study designed to provide the lowest concentration that will be detected 99% of the time. Values between the MDL and MRL are estimated (see J qualifier).
LOD	Limit of Detection. A value at or above the MDL which has been verified to be detectable.
ND	Non-Detect. Analyte was not detected at the concentration listed. Same as U qualifier.

Rochester Lab ID # for State Accreditations[1]

NELAP States
Florida ID # E87674
New Hampshire ID # 2941
New York ID # 10145
Pennsylvania ID# 68-786
Virginia #460167

Non-NELAP States
Connecticut ID #PH0556
Delaware Approved
Maine ID #NY01587
North Carolina #36701
North Carolina #676
Rhode Island LAO00333

[1] Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state or agency requirements. The test results meet requirements of the current NELAP/TNI standards or state or agency requirements, where applicable, except as noted in the case narrative. Since not all analyte/method/matrix combinations are offered for state/NELAC accreditation, this report may contain results which are not accredited. For a specific list of accredited analytes, contact the laboratory or go to https://www.alsglobal.com/locations/americas/north-america/usa/new-york/rochester-environmental

ALS Laboratory Group

Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

Client: Stantec Consulting Group, Inc. **Service Request:** R2306651
Project: RTP/190500390.465

Sample Name: RTP-PDW110-GW **Date Collected:** 07/25/23
Lab Code: R2306651-001 **Date Received:** 07/26/23
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Sample Name: RTP-PDW110-GW **Date Collected:** 07/25/23
Lab Code: R2306651-001.R01 **Date Received:** 07/26/23
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Sample Name: RTP-MW203-GW **Date Collected:** 07/25/23
Lab Code: R2306651-002 **Date Received:** 07/26/23
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Sample Name: RTP-MW203-GW **Date Collected:** 07/25/23
Lab Code: R2306651-002.R01 **Date Received:** 07/26/23
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Sample Name: RTP-MW208-GW **Date Collected:** 07/25/23
Lab Code: R2306651-003 **Date Received:** 07/26/23
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Client: Stantec Consulting Group, Inc. **Service Request:** R2306651
Project: RTP/190500390.465

Sample Name: Trip Blank **Date Collected:** 07/25/23
Lab Code: R2306651-004 **Date Received:** 07/26/23
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Sample Name: RTP-PDW109-GW **Date Collected:** 07/26/23
Lab Code: R2306651-005 **Date Received:** 07/26/23
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Sample Name: RTP-DUP-GW **Date Collected:** 07/26/23
Lab Code: R2306651-006 **Date Received:** 07/26/23
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Sample Name: RTP-MW205-GW **Date Collected:** 07/26/23
Lab Code: R2306651-007 **Date Received:** 07/26/23
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Sample Name: RTP-MW205-GW **Date Collected:** 07/26/23
Lab Code: R2306651-007.R01 **Date Received:** 07/26/23
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2306651
Project:	RTP/190500390.465		

Sample Name:	RTP-MW212-GW	**Date Collected:**	07/26/23
Lab Code:	R2306651-008	**Date Received:**	07/26/23
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Sample Name:	RTP-MW213-GW	**Date Collected:**	07/26/23
Lab Code:	R2306651-009	**Date Received:**	07/26/23
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

The preparation methods associated with this report are found in these tables unless discussed in the case narrative.

Water/Liquid Matrix

Analytical Method	Preparation Method
200.7	200.2
200.8	200.2
6010C	3005A/3010A
6020A	ILM05.3
9034 Sulfide Acid Soluble	9030B
SM 4500-CN-E Residual Cyanide	SM 4500-CN-G
SM 4500-CN-E WAD Cyanide	SM 4500-CN-I

Solid/Soil/Non-Aqueous Matrix

Analytical Method	Preparation Method
6010C	3050B
6020A	3050B
6010C TCLP (1311) extract	3005A/3010A
6010 SPLP (1312) extract	3005A/3010A
7199	3060A
300.0 Anions/ 350.1/ 353.2/ SM 2320B/ SM 5210B/ 9056A Anions	DI extraction
For analytical methods not listed, the preparation method is the same as the analytical method reference.	

Sample Results

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
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Volatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
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www.alsglobal.com

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2306651
Project:	RTP/190500390.465	**Date Collected:**	07/25/23 12:04
Sample Matrix:	Water	**Date Received:**	07/26/23 16:12
Sample Name:	RTP-PDW110-GW	**Units:**	ug/L
Lab Code:	R2306651-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result		MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0	U	5.0	1	08/05/23 17:39	
1,1,2,2-Tetrachloroethane	5.0	U	5.0	1	08/05/23 17:39	
1,1,2-Trichloroethane	5.0	U	5.0	1	08/05/23 17:39	
1,1-Dichloroethane (1,1-DCA)	**45**		5.0	1	08/05/23 17:39	
1,1-Dichloroethene (1,1-DCE)	**8.5**		5.0	1	08/05/23 17:39	
1,2-Dichloroethane	5.0	U	5.0	1	08/05/23 17:39	
1,2-Dichloropropane	5.0	U	5.0	1	08/05/23 17:39	
2-Butanone (MEK)	10	U	10	1	08/05/23 17:39	
2-Hexanone	10	U	10	1	08/05/23 17:39	
4-Methyl-2-pentanone	10	U	10	1	08/05/23 17:39	
Acetone	10	U	10	1	08/05/23 17:39	
Benzene	5.0	U	5.0	1	08/05/23 17:39	
Bromodichloromethane	5.0	U	5.0	1	08/05/23 17:39	
Bromoform	5.0	U	5.0	1	08/05/23 17:39	
Bromomethane	5.0	U	5.0	1	08/05/23 17:39	
Carbon Disulfide	10	U	10	1	08/05/23 17:39	
Carbon Tetrachloride	5.0	U	5.0	1	08/05/23 17:39	
Chlorobenzene	5.0	U	5.0	1	08/05/23 17:39	
Chloroethane	5.0	U	5.0	1	08/05/23 17:39	
Chloroform	5.0	U	5.0	1	08/05/23 17:39	
Chloromethane	5.0	U	5.0	1	08/05/23 17:39	
Dibromochloromethane	5.0	U	5.0	1	08/05/23 17:39	
Dichloromethane	5.0	U	5.0	1	08/05/23 17:39	
Ethylbenzene	5.0	U	5.0	1	08/05/23 17:39	
Styrene	5.0	U	5.0	1	08/05/23 17:39	
Tetrachloroethene (PCE)	5.0	U	5.0	1	08/05/23 17:39	
Toluene	5.0	U	5.0	1	08/05/23 17:39	
Trichloroethene (TCE)	**1800**	**E**	5.0	1	08/05/23 17:39	
Vinyl Chloride	5.0	U	5.0	1	08/05/23 17:39	
cis-1,2-Dichloroethene	**56**		5.0	1	08/05/23 17:39	
cis-1,3-Dichloropropene	5.0	U	5.0	1	08/05/23 17:39	
m,p-Xylenes	5.0	U	5.0	1	08/05/23 17:39	
o-Xylene	5.0	U	5.0	1	08/05/23 17:39	
trans-1,2-Dichloroethene	**78**		5.0	1	08/05/23 17:39	
trans-1,3-Dichloropropene	5.0	U	5.0	1	08/05/23 17:39	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	85 - 122	08/05/23 17:39	
Dibromofluoromethane	101	80 - 116	08/05/23 17:39	
Toluene-d8	101	87 - 121	08/05/23 17:39	

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2306651
Project:	RTP/190500390.465	**Date Collected:**	07/25/23 12:04
Sample Matrix:	Water	**Date Received:**	07/26/23 16:12
Sample Name:	RTP-PDW110-GW	**Units:**	ug/L
Lab Code:	R2306651-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	130 U	130	25	08/08/23 20:01	
1,1,2,2-Tetrachloroethane	130 U	130	25	08/08/23 20:01	
1,1,2-Trichloroethane	130 U	130	25	08/08/23 20:01	
1,1-Dichloroethane (1,1-DCA)	130 U	130	25	08/08/23 20:01	
1,1-Dichloroethene (1,1-DCE)	130 U	130	25	08/08/23 20:01	
1,2-Dichloroethane	130 U	130	25	08/08/23 20:01	
1,2-Dichloropropane	130 U	130	25	08/08/23 20:01	
2-Butanone (MEK)	250 U	250	25	08/08/23 20:01	
2-Hexanone	250 U	250	25	08/08/23 20:01	
4-Methyl-2-pentanone	250 U	250	25	08/08/23 20:01	
Acetone	250 U	250	25	08/08/23 20:01	
Benzene	130 U	130	25	08/08/23 20:01	
Bromodichloromethane	130 U	130	25	08/08/23 20:01	
Bromoform	130 U	130	25	08/08/23 20:01	
Bromomethane	130 U	130	25	08/08/23 20:01	
Carbon Disulfide	250 U	250	25	08/08/23 20:01	
Carbon Tetrachloride	130 U	130	25	08/08/23 20:01	
Chlorobenzene	130 U	130	25	08/08/23 20:01	
Chloroethane	130 U	130	25	08/08/23 20:01	
Chloroform	130 U	130	25	08/08/23 20:01	
Chloromethane	130 U	130	25	08/08/23 20:01	
Dibromochloromethane	130 U	130	25	08/08/23 20:01	
Dichloromethane	130 U	130	25	08/08/23 20:01	
Ethylbenzene	130 U	130	25	08/08/23 20:01	
Styrene	130 U	130	25	08/08/23 20:01	
Tetrachloroethene (PCE)	130 U	130	25	08/08/23 20:01	
Toluene	130 U	130	25	08/08/23 20:01	
Trichloroethene (TCE)	**1400 D**	130	25	08/08/23 20:01	
Vinyl Chloride	130 U	130	25	08/08/23 20:01	
cis-1,2-Dichloroethene	130 U	130	25	08/08/23 20:01	
cis-1,3-Dichloropropene	130 U	130	25	08/08/23 20:01	
m,p-Xylenes	130 U	130	25	08/08/23 20:01	
o-Xylene	130 U	130	25	08/08/23 20:01	
trans-1,2-Dichloroethene	130 U	130	25	08/08/23 20:01	
trans-1,3-Dichloropropene	130 U	130	25	08/08/23 20:01	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	96	85 - 122	08/08/23 20:01	
Dibromofluoromethane	99	80 - 116	08/08/23 20:01	
Toluene-d8	101	87 - 121	08/08/23 20:01	

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2306651
Project:	RTP/190500390.465	**Date Collected:**	07/25/23 14:05
Sample Matrix:	Water	**Date Received:**	07/26/23 16:12
Sample Name:	RTP-MW203-GW	**Units:**	ug/L
Lab Code:	R2306651-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	08/05/23 18:02	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	08/05/23 18:02	
1,1,2-Trichloroethane	5.0 U	5.0	1	08/05/23 18:02	
1,1-Dichloroethane (1,1-DCA)	**22**	5.0	1	08/05/23 18:02	
1,1-Dichloroethene (1,1-DCE)	**15**	5.0	1	08/05/23 18:02	
1,2-Dichloroethane	5.0 U	5.0	1	08/05/23 18:02	
1,2-Dichloropropane	5.0 U	5.0	1	08/05/23 18:02	
2-Butanone (MEK)	10 U	10	1	08/05/23 18:02	
2-Hexanone	10 U	10	1	08/05/23 18:02	
4-Methyl-2-pentanone	10 U	10	1	08/05/23 18:02	
Acetone	10 U	10	1	08/05/23 18:02	
Benzene	5.0 U	5.0	1	08/05/23 18:02	
Bromodichloromethane	5.0 U	5.0	1	08/05/23 18:02	
Bromoform	5.0 U	5.0	1	08/05/23 18:02	
Bromomethane	5.0 U	5.0	1	08/05/23 18:02	
Carbon Disulfide	10 U	10	1	08/05/23 18:02	
Carbon Tetrachloride	5.0 U	5.0	1	08/05/23 18:02	
Chlorobenzene	5.0 U	5.0	1	08/05/23 18:02	
Chloroethane	5.0 U	5.0	1	08/05/23 18:02	
Chloroform	5.0 U	5.0	1	08/05/23 18:02	
Chloromethane	5.0 U	5.0	1	08/05/23 18:02	
Dibromochloromethane	5.0 U	5.0	1	08/05/23 18:02	
Dichloromethane	5.0 U	5.0	1	08/05/23 18:02	
Ethylbenzene	5.0 U	5.0	1	08/05/23 18:02	
Styrene	5.0 U	5.0	1	08/05/23 18:02	
Tetrachloroethene (PCE)	5.0 U	5.0	1	08/05/23 18:02	
Toluene	5.0 U	5.0	1	08/05/23 18:02	
Trichloroethene (TCE)	**790 E**	5.0	1	08/05/23 18:02	
Vinyl Chloride	**9.5**	5.0	1	08/05/23 18:02	
cis-1,2-Dichloroethene	**76**	5.0	1	08/05/23 18:02	
cis-1,3-Dichloropropene	5.0 U	5.0	1	08/05/23 18:02	
m,p-Xylenes	5.0 U	5.0	1	08/05/23 18:02	
o-Xylene	5.0 U	5.0	1	08/05/23 18:02	
trans-1,2-Dichloroethene	**32**	5.0	1	08/05/23 18:02	
trans-1,3-Dichloropropene	5.0 U	5.0	1	08/05/23 18:02	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	94	85 - 122	08/05/23 18:02	
Dibromofluoromethane	102	80 - 116	08/05/23 18:02	
Toluene-d8	101	87 - 121	08/05/23 18:02	

Analytical Report

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2306651
Project:	RTP/190500390.465	**Date Collected:**	07/25/23 14:05
Sample Matrix:	Water	**Date Received:**	07/26/23 16:12
Sample Name:	RTP-MW203-GW	**Units:**	ug/L
Lab Code:	R2306651-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	25 U	25	5	08/08/23 20:24	
1,1,2,2-Tetrachloroethane	25 U	25	5	08/08/23 20:24	
1,1,2-Trichloroethane	25 U	25	5	08/08/23 20:24	
1,1-Dichloroethane (1,1-DCA)	25 U	25	5	08/08/23 20:24	
1,1-Dichloroethene (1,1-DCE)	25 U	25	5	08/08/23 20:24	
1,2-Dichloroethane	25 U	25	5	08/08/23 20:24	
1,2-Dichloropropane	25 U	25	5	08/08/23 20:24	
2-Butanone (MEK)	50 U	50	5	08/08/23 20:24	
2-Hexanone	50 U	50	5	08/08/23 20:24	
4-Methyl-2-pentanone	50 U	50	5	08/08/23 20:24	
Acetone	50 U	50	5	08/08/23 20:24	
Benzene	25 U	25	5	08/08/23 20:24	
Bromodichloromethane	25 U	25	5	08/08/23 20:24	
Bromoform	25 U	25	5	08/08/23 20:24	
Bromomethane	25 U	25	5	08/08/23 20:24	
Carbon Disulfide	50 U	50	5	08/08/23 20:24	
Carbon Tetrachloride	25 U	25	5	08/08/23 20:24	
Chlorobenzene	25 U	25	5	08/08/23 20:24	
Chloroethane	25 U	25	5	08/08/23 20:24	
Chloroform	25 U	25	5	08/08/23 20:24	
Chloromethane	25 U	25	5	08/08/23 20:24	
Dibromochloromethane	25 U	25	5	08/08/23 20:24	
Dichloromethane	25 U	25	5	08/08/23 20:24	
Ethylbenzene	25 U	25	5	08/08/23 20:24	
Styrene	25 U	25	5	08/08/23 20:24	
Tetrachloroethene (PCE)	25 U	25	5	08/08/23 20:24	
Toluene	25 U	25	5	08/08/23 20:24	
Trichloroethene (TCE)	**750 D**	25	5	08/08/23 20:24	
Vinyl Chloride	25 U	25	5	08/08/23 20:24	
cis-1,2-Dichloroethene	**75 D**	25	5	08/08/23 20:24	
cis-1,3-Dichloropropene	25 U	25	5	08/08/23 20:24	
m,p-Xylenes	25 U	25	5	08/08/23 20:24	
o-Xylene	25 U	25	5	08/08/23 20:24	
trans-1,2-Dichloroethene	**30 D**	25	5	08/08/23 20:24	
trans-1,3-Dichloropropene	25 U	25	5	08/08/23 20:24	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	96	85 - 122	08/08/23 20:24	
Dibromofluoromethane	101	80 - 116	08/08/23 20:24	
Toluene-d8	102	87 - 121	08/08/23 20:24	

Analytical Report

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2306651
Project:	RTP/190500390.465	**Date Collected:**	07/25/23 15:20
Sample Matrix:	Water	**Date Received:**	07/26/23 16:12
Sample Name:	RTP-MW208-GW	**Units:**	ug/L
Lab Code:	R2306651-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	08/05/23 18:25	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	08/05/23 18:25	
1,1,2-Trichloroethane	5.0 U	5.0	1	08/05/23 18:25	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	08/05/23 18:25	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	08/05/23 18:25	
1,2-Dichloroethane	5.0 U	5.0	1	08/05/23 18:25	
1,2-Dichloropropane	5.0 U	5.0	1	08/05/23 18:25	
2-Butanone (MEK)	10 U	10	1	08/05/23 18:25	
2-Hexanone	10 U	10	1	08/05/23 18:25	
4-Methyl-2-pentanone	10 U	10	1	08/05/23 18:25	
Acetone	10 U	10	1	08/05/23 18:25	
Benzene	5.0 U	5.0	1	08/05/23 18:25	
Bromodichloromethane	5.0 U	5.0	1	08/05/23 18:25	
Bromoform	5.0 U	5.0	1	08/05/23 18:25	
Bromomethane	5.0 U	5.0	1	08/05/23 18:25	
Carbon Disulfide	10 U	10	1	08/05/23 18:25	
Carbon Tetrachloride	5.0 U	5.0	1	08/05/23 18:25	
Chlorobenzene	5.0 U	5.0	1	08/05/23 18:25	
Chloroethane	5.0 U	5.0	1	08/05/23 18:25	
Chloroform	5.0 U	5.0	1	08/05/23 18:25	
Chloromethane	5.0 U	5.0	1	08/05/23 18:25	
Dibromochloromethane	5.0 U	5.0	1	08/05/23 18:25	
Dichloromethane	5.0 U	5.0	1	08/05/23 18:25	
Ethylbenzene	5.0 U	5.0	1	08/05/23 18:25	
Styrene	5.0 U	5.0	1	08/05/23 18:25	
Tetrachloroethene (PCE)	5.0 U	5.0	1	08/05/23 18:25	
Toluene	5.0 U	5.0	1	08/05/23 18:25	
Trichloroethene (TCE)	**7.6**	5.0	1	08/05/23 18:25	
Vinyl Chloride	5.0 U	5.0	1	08/05/23 18:25	
cis-1,2-Dichloroethene	5.0 U	5.0	1	08/05/23 18:25	
cis-1,3-Dichloropropene	5.0 U	5.0	1	08/05/23 18:25	
m,p-Xylenes	5.0 U	5.0	1	08/05/23 18:25	
o-Xylene	5.0 U	5.0	1	08/05/23 18:25	
trans-1,2-Dichloroethene	5.0 U	5.0	1	08/05/23 18:25	
trans-1,3-Dichloropropene	5.0 U	5.0	1	08/05/23 18:25	

Analytical Report

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2306651
Project:	RTP/190500390.465	**Date Collected:**	07/25/23 15:20
Sample Matrix:	Water	**Date Received:**	07/26/23 16:12
Sample Name:	RTP-MW208-GW	**Units:**	ug/L
Lab Code:	R2306651-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	95	85 - 122	08/05/23 18:25	
Dibromofluoromethane	102	80 - 116	08/05/23 18:25	
Toluene-d8	101	87 - 121	08/05/23 18:25	

Analytical Report

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2306651
Project:	RTP/190500390.465	**Date Collected:**	07/25/23
Sample Matrix:	Water	**Date Received:**	07/26/23 16:12
Sample Name:	Trip Blank	**Units:**	ug/L
Lab Code:	R2306651-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	08/05/23 17:16	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	08/05/23 17:16	
1,1,2-Trichloroethane	5.0 U	5.0	1	08/05/23 17:16	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	08/05/23 17:16	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	08/05/23 17:16	
1,2-Dichloroethane	5.0 U	5.0	1	08/05/23 17:16	
1,2-Dichloropropane	5.0 U	5.0	1	08/05/23 17:16	
2-Butanone (MEK)	10 U	10	1	08/05/23 17:16	
2-Hexanone	10 U	10	1	08/05/23 17:16	
4-Methyl-2-pentanone	10 U	10	1	08/05/23 17:16	
Acetone	10 U	10	1	08/05/23 17:16	
Benzene	5.0 U	5.0	1	08/05/23 17:16	
Bromodichloromethane	5.0 U	5.0	1	08/05/23 17:16	
Bromoform	5.0 U	5.0	1	08/05/23 17:16	
Bromomethane	5.0 U	5.0	1	08/05/23 17:16	
Carbon Disulfide	10 U	10	1	08/05/23 17:16	
Carbon Tetrachloride	5.0 U	5.0	1	08/05/23 17:16	
Chlorobenzene	5.0 U	5.0	1	08/05/23 17:16	
Chloroethane	5.0 U	5.0	1	08/05/23 17:16	
Chloroform	5.0 U	5.0	1	08/05/23 17:16	
Chloromethane	5.0 U	5.0	1	08/05/23 17:16	
Dibromochloromethane	5.0 U	5.0	1	08/05/23 17:16	
Dichloromethane	5.0 U	5.0	1	08/05/23 17:16	
Ethylbenzene	5.0 U	5.0	1	08/05/23 17:16	
Styrene	5.0 U	5.0	1	08/05/23 17:16	
Tetrachloroethene (PCE)	5.0 U	5.0	1	08/05/23 17:16	
Toluene	5.0 U	5.0	1	08/05/23 17:16	
Trichloroethene (TCE)	5.0 U	5.0	1	08/05/23 17:16	
Vinyl Chloride	5.0 U	5.0	1	08/05/23 17:16	
cis-1,2-Dichloroethene	5.0 U	5.0	1	08/05/23 17:16	
cis-1,3-Dichloropropene	5.0 U	5.0	1	08/05/23 17:16	
m,p-Xylenes	5.0 U	5.0	1	08/05/23 17:16	
o-Xylene	5.0 U	5.0	1	08/05/23 17:16	
trans-1,2-Dichloroethene	5.0 U	5.0	1	08/05/23 17:16	
trans-1,3-Dichloropropene	5.0 U	5.0	1	08/05/23 17:16	

Analytical Report

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2306651
Project:	RTP/190500390.465	**Date Collected:**	07/25/23
Sample Matrix:	Water	**Date Received:**	07/26/23 16:12
Sample Name:	Trip Blank	**Units:**	ug/L
Lab Code:	R2306651-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	89	85 - 122	08/05/23 17:16	
Dibromofluoromethane	98	80 - 116	08/05/23 17:16	
Toluene-d8	99	87 - 121	08/05/23 17:16	

Analytical Report

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2306651
Project:	RTP/190500390.465	**Date Collected:**	07/26/23 10:34
Sample Matrix:	Water	**Date Received:**	07/26/23 16:12
Sample Name:	RTP-PDW109-GW	**Units:**	ug/L
Lab Code:	R2306651-005	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	08/05/23 20:20	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	08/05/23 20:20	
1,1,2-Trichloroethane	5.0 U	5.0	1	08/05/23 20:20	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	08/05/23 20:20	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	08/05/23 20:20	
1,2-Dichloroethane	5.0 U	5.0	1	08/05/23 20:20	
1,2-Dichloropropane	5.0 U	5.0	1	08/05/23 20:20	
2-Butanone (MEK)	10 U	10	1	08/05/23 20:20	
2-Hexanone	10 U	10	1	08/05/23 20:20	
4-Methyl-2-pentanone	10 U	10	1	08/05/23 20:20	
Acetone	10 U	10	1	08/05/23 20:20	
Benzene	5.0 U	5.0	1	08/05/23 20:20	
Bromodichloromethane	5.0 U	5.0	1	08/05/23 20:20	
Bromoform	5.0 U	5.0	1	08/05/23 20:20	
Bromomethane	5.0 U	5.0	1	08/05/23 20:20	
Carbon Disulfide	10 U	10	1	08/05/23 20:20	
Carbon Tetrachloride	5.0 U	5.0	1	08/05/23 20:20	
Chlorobenzene	5.0 U	5.0	1	08/05/23 20:20	
Chloroethane	5.0 U	5.0	1	08/05/23 20:20	
Chloroform	5.0 U	5.0	1	08/05/23 20:20	
Chloromethane	5.0 U	5.0	1	08/05/23 20:20	
Dibromochloromethane	5.0 U	5.0	1	08/05/23 20:20	
Dichloromethane	5.0 U	5.0	1	08/05/23 20:20	
Ethylbenzene	5.0 U	5.0	1	08/05/23 20:20	
Styrene	5.0 U	5.0	1	08/05/23 20:20	
Tetrachloroethene (PCE)	5.0 U	5.0	1	08/05/23 20:20	
Toluene	5.0 U	5.0	1	08/05/23 20:20	
Trichloroethene (TCE)	5.0 U	5.0	1	08/05/23 20:20	
Vinyl Chloride	5.0 U	5.0	1	08/05/23 20:20	
cis-1,2-Dichloroethene	5.0 U	5.0	1	08/05/23 20:20	
cis-1,3-Dichloropropene	5.0 U	5.0	1	08/05/23 20:20	
m,p-Xylenes	5.0 U	5.0	1	08/05/23 20:20	
o-Xylene	5.0 U	5.0	1	08/05/23 20:20	
trans-1,2-Dichloroethene	5.0 U	5.0	1	08/05/23 20:20	
trans-1,3-Dichloropropene	5.0 U	5.0	1	08/05/23 20:20	

Analytical Report

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2306651
Project:	RTP/190500390.465	**Date Collected:**	07/26/23 10:34
Sample Matrix:	Water	**Date Received:**	07/26/23 16:12
Sample Name:	RTP-PDW109-GW	**Units:**	ug/L
Lab Code:	R2306651-005	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	85 - 122	08/05/23 20:20	
Dibromofluoromethane	99	80 - 116	08/05/23 20:20	
Toluene-d8	100	87 - 121	08/05/23 20:20	

Analytical Report

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2306651
Project:	RTP/190500390.465	**Date Collected:**	07/26/23 12:00
Sample Matrix:	Water	**Date Received:**	07/26/23 16:12
Sample Name:	RTP-DUP-GW	**Units:**	ug/L
Lab Code:	R2306651-006	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	08/05/23 18:48	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	08/05/23 18:48	
1,1,2-Trichloroethane	5.0 U	5.0	1	08/05/23 18:48	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	08/05/23 18:48	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	08/05/23 18:48	
1,2-Dichloroethane	5.0 U	5.0	1	08/05/23 18:48	
1,2-Dichloropropane	5.0 U	5.0	1	08/05/23 18:48	
2-Butanone (MEK)	10 U	10	1	08/05/23 18:48	
2-Hexanone	10 U	10	1	08/05/23 18:48	
4-Methyl-2-pentanone	10 U	10	1	08/05/23 18:48	
Acetone	10 U	10	1	08/05/23 18:48	
Benzene	5.0 U	5.0	1	08/05/23 18:48	
Bromodichloromethane	5.0 U	5.0	1	08/05/23 18:48	
Bromoform	5.0 U	5.0	1	08/05/23 18:48	
Bromomethane	5.0 U	5.0	1	08/05/23 18:48	
Carbon Disulfide	10 U	10	1	08/05/23 18:48	
Carbon Tetrachloride	5.0 U	5.0	1	08/05/23 18:48	
Chlorobenzene	5.0 U	5.0	1	08/05/23 18:48	
Chloroethane	5.0 U	5.0	1	08/05/23 18:48	
Chloroform	5.0 U	5.0	1	08/05/23 18:48	
Chloromethane	5.0 U	5.0	1	08/05/23 18:48	
Dibromochloromethane	5.0 U	5.0	1	08/05/23 18:48	
Dichloromethane	5.0 U	5.0	1	08/05/23 18:48	
Ethylbenzene	5.0 U	5.0	1	08/05/23 18:48	
Styrene	5.0 U	5.0	1	08/05/23 18:48	
Tetrachloroethene (PCE)	5.0 U	5.0	1	08/05/23 18:48	
Toluene	5.0 U	5.0	1	08/05/23 18:48	
Trichloroethene (TCE)	5.0 U	5.0	1	08/05/23 18:48	
Vinyl Chloride	5.0 U	5.0	1	08/05/23 18:48	
cis-1,2-Dichloroethene	5.0 U	5.0	1	08/05/23 18:48	
cis-1,3-Dichloropropene	5.0 U	5.0	1	08/05/23 18:48	
m,p-Xylenes	5.0 U	5.0	1	08/05/23 18:48	
o-Xylene	5.0 U	5.0	1	08/05/23 18:48	
trans-1,2-Dichloroethene	5.0 U	5.0	1	08/05/23 18:48	
trans-1,3-Dichloropropene	5.0 U	5.0	1	08/05/23 18:48	

Analytical Report

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2306651
Project:	RTP/190500390.465	**Date Collected:**	07/26/23 12:00
Sample Matrix:	Water	**Date Received:**	07/26/23 16:12
Sample Name:	RTP-DUP-GW	**Units:**	ug/L
Lab Code:	R2306651-006	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	94	85 - 122	08/05/23 18:48	
Dibromofluoromethane	103	80 - 116	08/05/23 18:48	
Toluene-d8	102	87 - 121	08/05/23 18:48	

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2306651
Project:	RTP/190500390.465	**Date Collected:**	07/26/23 12:11
Sample Matrix:	Water	**Date Received:**	07/26/23 16:12
Sample Name:	RTP-MW205-GW	**Units:**	ug/L
Lab Code:	R2306651-007	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	25 U	25	5	08/05/23 19:11	
1,1,2,2-Tetrachloroethane	25 U	25	5	08/05/23 19:11	
1,1,2-Trichloroethane	25 U	25	5	08/05/23 19:11	
1,1-Dichloroethane (1,1-DCA)	25 U	25	5	08/05/23 19:11	
1,1-Dichloroethene (1,1-DCE)	25 U	25	5	08/05/23 19:11	
1,2-Dichloroethane	25 U	25	5	08/05/23 19:11	
1,2-Dichloropropane	25 U	25	5	08/05/23 19:11	
2-Butanone (MEK)	50 U	50	5	08/05/23 19:11	
2-Hexanone	50 U	50	5	08/05/23 19:11	
4-Methyl-2-pentanone	50 U	50	5	08/05/23 19:11	
Acetone	50 U	50	5	08/05/23 19:11	
Benzene	25 U	25	5	08/05/23 19:11	
Bromodichloromethane	25 U	25	5	08/05/23 19:11	
Bromoform	25 U	25	5	08/05/23 19:11	
Bromomethane	25 U	25	5	08/05/23 19:11	
Carbon Disulfide	50 U	50	5	08/05/23 19:11	
Carbon Tetrachloride	25 U	25	5	08/05/23 19:11	
Chlorobenzene	25 U	25	5	08/05/23 19:11	
Chloroethane	25 U	25	5	08/05/23 19:11	
Chloroform	25 U	25	5	08/05/23 19:11	
Chloromethane	25 U	25	5	08/05/23 19:11	
Dibromochloromethane	25 U	25	5	08/05/23 19:11	
Dichloromethane	25 U	25	5	08/05/23 19:11	
Ethylbenzene	25 U	25	5	08/05/23 19:11	
Styrene	25 U	25	5	08/05/23 19:11	
Tetrachloroethene (PCE)	25 U	25	5	08/05/23 19:11	
Toluene	25 U	25	5	08/05/23 19:11	
Trichloroethene (TCE)	**1100 E**	25	5	08/05/23 19:11	
Vinyl Chloride	25 U	25	5	08/05/23 19:11	
cis-1,2-Dichloroethene	**27**	25	5	08/05/23 19:11	
cis-1,3-Dichloropropene	25 U	25	5	08/05/23 19:11	
m,p-Xylenes	25 U	25	5	08/05/23 19:11	
o-Xylene	25 U	25	5	08/05/23 19:11	
trans-1,2-Dichloroethene	**27**	25	5	08/05/23 19:11	
trans-1,3-Dichloropropene	25 U	25	5	08/05/23 19:11	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	85 - 122	08/05/23 19:11	
Dibromofluoromethane	99	80 - 116	08/05/23 19:11	
Toluene-d8	101	87 - 121	08/05/23 19:11	

Analytical Report

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2306651
Project:	RTP/190500390.465	**Date Collected:**	07/26/23 12:11
Sample Matrix:	Water	**Date Received:**	07/26/23 16:12
Sample Name:	RTP-MW205-GW	**Units:**	ug/L
Lab Code:	R2306651-007	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	50 U	50	10	08/08/23 20:47	
1,1,2,2-Tetrachloroethane	50 U	50	10	08/08/23 20:47	
1,1,2-Trichloroethane	50 U	50	10	08/08/23 20:47	
1,1-Dichloroethane (1,1-DCA)	50 U	50	10	08/08/23 20:47	
1,1-Dichloroethene (1,1-DCE)	50 U	50	10	08/08/23 20:47	
1,2-Dichloroethane	50 U	50	10	08/08/23 20:47	
1,2-Dichloropropane	50 U	50	10	08/08/23 20:47	
2-Butanone (MEK)	100 U	100	10	08/08/23 20:47	
2-Hexanone	100 U	100	10	08/08/23 20:47	
4-Methyl-2-pentanone	100 U	100	10	08/08/23 20:47	
Acetone	100 U	100	10	08/08/23 20:47	
Benzene	50 U	50	10	08/08/23 20:47	
Bromodichloromethane	50 U	50	10	08/08/23 20:47	
Bromoform	50 U	50	10	08/08/23 20:47	
Bromomethane	50 U	50	10	08/08/23 20:47	
Carbon Disulfide	100 U	100	10	08/08/23 20:47	
Carbon Tetrachloride	50 U	50	10	08/08/23 20:47	
Chlorobenzene	50 U	50	10	08/08/23 20:47	
Chloroethane	50 U	50	10	08/08/23 20:47	
Chloroform	50 U	50	10	08/08/23 20:47	
Chloromethane	50 U	50	10	08/08/23 20:47	
Dibromochloromethane	50 U	50	10	08/08/23 20:47	
Dichloromethane	50 U	50	10	08/08/23 20:47	
Ethylbenzene	50 U	50	10	08/08/23 20:47	
Styrene	50 U	50	10	08/08/23 20:47	
Tetrachloroethene (PCE)	50 U	50	10	08/08/23 20:47	
Toluene	50 U	50	10	08/08/23 20:47	
Trichloroethene (TCE)	**1100 D**	50	10	08/08/23 20:47	
Vinyl Chloride	50 U	50	10	08/08/23 20:47	
cis-1,2-Dichloroethene	50 U	50	10	08/08/23 20:47	
cis-1,3-Dichloropropene	50 U	50	10	08/08/23 20:47	
m,p-Xylenes	50 U	50	10	08/08/23 20:47	
o-Xylene	50 U	50	10	08/08/23 20:47	
trans-1,2-Dichloroethene	50 U	50	10	08/08/23 20:47	
trans-1,3-Dichloropropene	50 U	50	10	08/08/23 20:47	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	96	85 - 122	08/08/23 20:47	
Dibromofluoromethane	100	80 - 116	08/08/23 20:47	
Toluene-d8	101	87 - 121	08/08/23 20:47	

Analytical Report

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2306651
Project:	RTP/190500390.465	**Date Collected:**	07/26/23 13:57
Sample Matrix:	Water	**Date Received:**	07/26/23 16:12
Sample Name:	RTP-MW212-GW	**Units:**	ug/L
Lab Code:	R2306651-008	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	08/05/23 19:34	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	08/05/23 19:34	
1,1,2-Trichloroethane	5.0 U	5.0	1	08/05/23 19:34	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	08/05/23 19:34	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	08/05/23 19:34	
1,2-Dichloroethane	5.0 U	5.0	1	08/05/23 19:34	
1,2-Dichloropropane	5.0 U	5.0	1	08/05/23 19:34	
2-Butanone (MEK)	10 U	10	1	08/05/23 19:34	
2-Hexanone	10 U	10	1	08/05/23 19:34	
4-Methyl-2-pentanone	10 U	10	1	08/05/23 19:34	
Acetone	10 U	10	1	08/05/23 19:34	
Benzene	5.0 U	5.0	1	08/05/23 19:34	
Bromodichloromethane	5.0 U	5.0	1	08/05/23 19:34	
Bromoform	5.0 U	5.0	1	08/05/23 19:34	
Bromomethane	5.0 U	5.0	1	08/05/23 19:34	
Carbon Disulfide	10 U	10	1	08/05/23 19:34	
Carbon Tetrachloride	5.0 U	5.0	1	08/05/23 19:34	
Chlorobenzene	5.0 U	5.0	1	08/05/23 19:34	
Chloroethane	5.0 U	5.0	1	08/05/23 19:34	
Chloroform	5.0 U	5.0	1	08/05/23 19:34	
Chloromethane	5.0 U	5.0	1	08/05/23 19:34	
Dibromochloromethane	5.0 U	5.0	1	08/05/23 19:34	
Dichloromethane	5.0 U	5.0	1	08/05/23 19:34	
Ethylbenzene	5.0 U	5.0	1	08/05/23 19:34	
Styrene	5.0 U	5.0	1	08/05/23 19:34	
Tetrachloroethene (PCE)	5.0 U	5.0	1	08/05/23 19:34	
Toluene	5.0 U	5.0	1	08/05/23 19:34	
Trichloroethene (TCE)	**6.8**	5.0	1	08/05/23 19:34	
Vinyl Chloride	5.0 U	5.0	1	08/05/23 19:34	
cis-1,2-Dichloroethene	5.0 U	5.0	1	08/05/23 19:34	
cis-1,3-Dichloropropene	5.0 U	5.0	1	08/05/23 19:34	
m,p-Xylenes	5.0 U	5.0	1	08/05/23 19:34	
o-Xylene	5.0 U	5.0	1	08/05/23 19:34	
trans-1,2-Dichloroethene	5.0 U	5.0	1	08/05/23 19:34	
trans-1,3-Dichloropropene	5.0 U	5.0	1	08/05/23 19:34	

Analytical Report

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2306651
Project:	RTP/190500390.465	**Date Collected:**	07/26/23 13:57
Sample Matrix:	Water	**Date Received:**	07/26/23 16:12
Sample Name:	RTP-MW212-GW	**Units:**	ug/L
Lab Code:	R2306651-008	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	85 - 122	08/05/23 19:34	
Dibromofluoromethane	103	80 - 116	08/05/23 19:34	
Toluene-d8	105	87 - 121	08/05/23 19:34	

Analytical Report

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2306651
Project:	RTP/190500390.465	**Date Collected:**	07/26/23 15:15
Sample Matrix:	Water	**Date Received:**	07/26/23 16:12
Sample Name:	RTP-MW213-GW	**Units:**	ug/L
Lab Code:	R2306651-009	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	08/05/23 19:57	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	08/05/23 19:57	
1,1,2-Trichloroethane	5.0 U	5.0	1	08/05/23 19:57	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	08/05/23 19:57	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	08/05/23 19:57	
1,2-Dichloroethane	5.0 U	5.0	1	08/05/23 19:57	
1,2-Dichloropropane	5.0 U	5.0	1	08/05/23 19:57	
2-Butanone (MEK)	10 U	10	1	08/05/23 19:57	
2-Hexanone	10 U	10	1	08/05/23 19:57	
4-Methyl-2-pentanone	10 U	10	1	08/05/23 19:57	
Acetone	10 U	10	1	08/05/23 19:57	
Benzene	5.0 U	5.0	1	08/05/23 19:57	
Bromodichloromethane	5.0 U	5.0	1	08/05/23 19:57	
Bromoform	5.0 U	5.0	1	08/05/23 19:57	
Bromomethane	5.0 U	5.0	1	08/05/23 19:57	
Carbon Disulfide	10 U	10	1	08/05/23 19:57	
Carbon Tetrachloride	5.0 U	5.0	1	08/05/23 19:57	
Chlorobenzene	5.0 U	5.0	1	08/05/23 19:57	
Chloroethane	5.0 U	5.0	1	08/05/23 19:57	
Chloroform	5.0 U	5.0	1	08/05/23 19:57	
Chloromethane	5.0 U	5.0	1	08/05/23 19:57	
Dibromochloromethane	5.0 U	5.0	1	08/05/23 19:57	
Dichloromethane	5.0 U	5.0	1	08/05/23 19:57	
Ethylbenzene	5.0 U	5.0	1	08/05/23 19:57	
Styrene	5.0 U	5.0	1	08/05/23 19:57	
Tetrachloroethene (PCE)	5.0 U	5.0	1	08/05/23 19:57	
Toluene	5.0 U	5.0	1	08/05/23 19:57	
Trichloroethene (TCE)	5.0 U	5.0	1	08/05/23 19:57	
Vinyl Chloride	5.0 U	5.0	1	08/05/23 19:57	
cis-1,2-Dichloroethene	5.0 U	5.0	1	08/05/23 19:57	
cis-1,3-Dichloropropene	5.0 U	5.0	1	08/05/23 19:57	
m,p-Xylenes	5.0 U	5.0	1	08/05/23 19:57	
o-Xylene	5.0 U	5.0	1	08/05/23 19:57	
trans-1,2-Dichloroethene	5.0 U	5.0	1	08/05/23 19:57	
trans-1,3-Dichloropropene	5.0 U	5.0	1	08/05/23 19:57	

Analytical Report

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2306651
Project:	RTP/190500390.465	**Date Collected:**	07/26/23 15:15
Sample Matrix:	Water	**Date Received:**	07/26/23 16:12
Sample Name:	RTP-MW213-GW	**Units:**	ug/L
Lab Code:	R2306651-009	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	93	85 - 122	08/05/23 19:57	
Dibromofluoromethane	99	80 - 116	08/05/23 19:57	
Toluene-d8	102	87 - 121	08/05/23 19:57	

QC Summary Forms

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Volatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client: Stantec Consulting Group, Inc. **Service Request:** R2306651
Project: RTP/190500390.465
Sample Matrix: Water

SURROGATE RECOVERY SUMMARY
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Extraction Method: EPA 5030C

Sample Name	Lab Code	4-Bromofluorobenzene 85 - 122	Dibromofluoromethane 80 - 116	Toluene-d8 87 - 121
RTP-PDW110-GW	R2306651-001	97	101	101
RTP-PDW110-GW DL	R2306651-001	96	99	101
RTP-MW203-GW	R2306651-002	94	102	101
RTP-MW203-GW DL	R2306651-002	96	101	102
RTP-MW208-GW	R2306651-003	95	102	101
Trip Blank	R2306651-004	89	98	99
RTP-PDW109-GW	R2306651-005	97	99	100
RTP-DUP-GW	R2306651-006	94	103	102
RTP-MW205-GW	R2306651-007	97	99	101
RTP-MW205-GW DL	R2306651-007	96	100	101
RTP-MW212-GW	R2306651-008	100	103	105
RTP-MW213-GW	R2306651-009	93	99	102
Lab Control Sample	RQ2309897-03	101	102	101
Method Blank	RQ2309897-04	93	99	99
RTP-PDW109-GW MS	RQ2309897-05	102	104	105
RTP-PDW109-GW DMS	RQ2309897-06	101	102	102
Lab Control Sample	RQ2309996-03	96	101	101
Method Blank	RQ2309996-06	95	101	101

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2306651
Project:	RTP/190500390.465	**Date Collected:**	07/26/23
Sample Matrix:	Water	**Date Received:**	07/26/23
		Date Analyzed:	08/5/23
		Date Extracted:	NA

Duplicate Matrix Spike Summary
Volatile Organic Compounds by GC/MS

Sample Name:	RTP-PDW109-GW	**Units:**	ug/L
Lab Code:	R2306651-005	**Basis:**	NA
Analysis Method:	8260C		
Prep Method:	EPA 5030C		

		Matrix Spike RQ2309897-05			**Duplicate Matrix Spike** RQ2309897-06					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
1,1,1-Trichloroethane (TCA)	5.0 U	49.3	50.0	99	50.3	50.0	101	74-127	2	30
1,1,2,2-Tetrachloroethane	5.0 U	44.8	50.0	90	45.8	50.0	92	72-122	2	30
1,1,2-Trichloroethane	5.0 U	48.8	50.0	98	48.9	50.0	98	82-121	<1	30
1,1-Dichloroethane (1,1-DCA)	5.0 U	48.8	50.0	98	51.6	50.0	103	74-132	5	30
1,1-Dichloroethene (1,1-DCE)	5.0 U	47.9	50.0	96	49.3	50.0	99	71-118	3	30
1,2-Dichloroethane	5.0 U	47.5	50.0	95	48.6	50.0	97	68-130	2	30
1,2-Dichloropropane	5.0 U	47.9	50.0	96	49.5	50.0	99	79-124	3	30
2-Butanone (MEK)	10 U	39.9	50.0	80	39.7	50.0	79	61-137	<1	30
2-Hexanone	10 U	45.7	50.0	91	45.0	50.0	90	56-132	2	30
4-Methyl-2-pentanone	10 U	47.8	50.0	96	47.0	50.0	94	60-141	2	30
Acetone	10 U	35.1	50.0	70	33.8	50.0	68	35-183	4	30
Benzene	5.0 U	49.7	50.0	99	50.9	50.0	102	76-129	2	30
Bromodichloromethane	5.0 U	46.4	50.0	93	47.5	50.0	95	78-133	2	30
Bromoform	5.0 U	50.2	50.0	100	50.9	50.0	102	58-133	1	30
Bromomethane	5.0 U	41.9	50.0	84	45.3	50.0	91	10-184	8	30
Carbon Disulfide	10 U	45.2	50.0	90	47.1	50.0	94	59-140	4	30
Carbon Tetrachloride	5.0 U	53.1	50.0	106	54.6	50.0	109	65-135	3	30
Chlorobenzene	5.0 U	48.7	50.0	97	50.4	50.0	101	76-125	3	30
Chloroethane	5.0 U	46.2	50.0	92	45.7	50.0	91	48-146	<1	30
Chloroform	5.0 U	46.7	50.0	93	47.9	50.0	96	75-130	2	30
Chloromethane	5.0 U	50.2	50.0	100	51.1	50.0	102	55-160	2	30
Dibromochloromethane	5.0 U	48.4	50.0	97	50.1	50.0	100	72-128	4	30
Dichloromethane	5.0 U	44.9	50.0	90	47.5	50.0	95	73-122	6	30
Ethylbenzene	5.0 U	48.8	50.0	98	50.9	50.0	102	72-134	4	30
Styrene	5.0 U	48.9	50.0	98	51.4	50.0	103	74-136	5	30
Tetrachloroethene (PCE)	5.0 U	49.4	50.0	99	51.1	50.0	102	72-125	3	30
Toluene	5.0 U	49.6	50.0	99	50.9	50.0	102	79-119	3	30
Trichloroethene (TCE)	5.0 U	49.6	50.0	99	50.4	50.0	101	74-122	2	30
Vinyl Chloride	5.0 U	43.4	50.0	87	45.0	50.0	90	74-159	4	30
cis-1,2-Dichloroethene	5.0 U	47.6	50.0	95	48.8	50.0	98	77-127	3	30
cis-1,3-Dichloropropene	5.0 U	49.6	50.0	99	50.7	50.0	101	52-134	2	30
m,p-Xylenes	5.0 U	98.9	100	99	103	100	103	80-126	4	30
o-Xylene	5.0 U	48.9	50.0	98	50.3	50.0	101	79-123	3	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Matrix Spike and Matrix Spike Duplicate Data is presented for information purposes only. The matrix may or may not be relevant to samples reported in this report. The laboratory evaluates system performance based on the LCS and LCSD control limits.

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2306651
Project:	RTP/190500390.465	**Date Collected:**	07/26/23
Sample Matrix:	Water	**Date Received:**	07/26/23
		Date Analyzed:	08/5/23
		Date Extracted:	NA

Duplicate Matrix Spike Summary
Volatile Organic Compounds by GC/MS

Sample Name:	RTP-PDW109-GW	**Units:**	ug/L
Lab Code:	R2306651-005	**Basis:**	NA
Analysis Method:	8260C		
Prep Method:	EPA 5030C		

		Matrix Spike RQ2309897-05			**Duplicate Matrix Spike** RQ2309897-06					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
trans-1,2-Dichloroethene	5.0 U	47.0	50.0	94	48.0	50.0	96	73-118	2	30
trans-1,3-Dichloropropene	5.0 U	51.3	50.0	103	52.1	50.0	104	71-133	2	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Matrix Spike and Matrix Spike Duplicate Data is presented for information purposes only. The matrix may or may not be relevant to samples reported in this report. The laboratory evaluates system performance based on the LCS and LCSD control limits.

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2306651
Project:	RTP/190500390.465	**Date Analyzed:**	08/05/23 12:36
Sample Matrix:	Water	**Date Extracted:**	

Method Blank Summary
Volatile Organic Compounds by GC/MS

Sample Name: Method Blank **Instrument ID:** R-MS-17
Lab Code: RQ2309897-04 **File ID:** I:\ACQUDATA\MSVOA17\Data\080523\E4281.D\

Analysis Method: 8260C **Analysis Lot:** 812972
Prep Method: EPA 5030C

This Method Blank applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Lab Control Sample	RQ2309897-03	I:\ACQUDATA\MSVOA17\Data\080523\E4278.D\	08/05/23 11:16
Trip Blank	R2306651-004	I:\ACQUDATA\MSVOA17\Data\080523\E4293.D\	08/05/23 17:16
RTP-PDW110-GW	R2306651-001	I:\ACQUDATA\MSVOA17\Data\080523\E4294.D\	08/05/23 17:39
RTP-MW203-GW	R2306651-002	I:\ACQUDATA\MSVOA17\Data\080523\E4295.D\	08/05/23 18:02
RTP-MW208-GW	R2306651-003	I:\ACQUDATA\MSVOA17\Data\080523\E4296.D\	08/05/23 18:25
RTP-DUP-GW	R2306651-006	I:\ACQUDATA\MSVOA17\Data\080523\E4297.D\	08/05/23 18:48
RTP-MW205-GW	R2306651-007	I:\ACQUDATA\MSVOA17\Data\080523\E4298.D\	08/05/23 19:11
RTP-MW212-GW	R2306651-008	I:\ACQUDATA\MSVOA17\Data\080523\E4299.D\	08/05/23 19:34
RTP-MW213-GW	R2306651-009	I:\ACQUDATA\MSVOA17\Data\080523\E4300.D\	08/05/23 19:57
RTP-PDW109-GW	R2306651-005	I:\ACQUDATA\MSVOA17\Data\080523\E4301.D\	08/05/23 20:20
RTP-PDW109-GWMS	RQ2309897-05	I:\ACQUDATA\MSVOA17\Data\080523\E4302.D\	08/05/23 20:43
RTP-PDW109-GWDMS	RQ2309897-06	I:\ACQUDATA\MSVOA17\Data\080523\E4303.D\	08/05/23 21:06

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2306651
Project:	RTP/190500390.465	**Date Analyzed:**	08/08/23 13:06
Sample Matrix:	Water	**Date Extracted:**	

Method Blank Summary
Volatile Organic Compounds by GC/MS

Sample Name:	Method Blank	**Instrument ID:**	R-MS-17
Lab Code:	RQ2309996-06	**File ID:**	I:\ACQUDATA\MSVOA17\Data\080823\E4314.D\
Analysis Method:	8260C	**Analysis Lot:**	813163
Prep Method:	EPA 5030C		

This Method Blank applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Lab Control Sample	RQ2309996-03	I:\ACQUDATA\MSVOA17\Data\080823\E4310.D\	08/08/23 11:26
RTP-PDW110-GW	R2306651-001	I:\ACQUDATA\MSVOA17\Data\080823\E4332.D\	08/08/23 20:01
RTP-MW203-GW	R2306651-002	I:\ACQUDATA\MSVOA17\Data\080823\E4333.D\	08/08/23 20:24
RTP-MW205-GW	R2306651-007	I:\ACQUDATA\MSVOA17\Data\080823\E4334.D\	08/08/23 20:47

Analytical Report

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2306651
Project:	RTP/190500390.465	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2309897-04	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	08/05/23 12:36	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	08/05/23 12:36	
1,1,2-Trichloroethane	5.0 U	5.0	1	08/05/23 12:36	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	08/05/23 12:36	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	08/05/23 12:36	
1,2-Dichloroethane	5.0 U	5.0	1	08/05/23 12:36	
1,2-Dichloropropane	5.0 U	5.0	1	08/05/23 12:36	
2-Butanone (MEK)	10 U	10	1	08/05/23 12:36	
2-Hexanone	10 U	10	1	08/05/23 12:36	
4-Methyl-2-pentanone	10 U	10	1	08/05/23 12:36	
Acetone	10 U	10	1	08/05/23 12:36	
Benzene	5.0 U	5.0	1	08/05/23 12:36	
Bromodichloromethane	5.0 U	5.0	1	08/05/23 12:36	
Bromoform	5.0 U	5.0	1	08/05/23 12:36	
Bromomethane	5.0 U	5.0	1	08/05/23 12:36	
Carbon Disulfide	10 U	10	1	08/05/23 12:36	
Carbon Tetrachloride	5.0 U	5.0	1	08/05/23 12:36	
Chlorobenzene	5.0 U	5.0	1	08/05/23 12:36	
Chloroethane	5.0 U	5.0	1	08/05/23 12:36	
Chloroform	5.0 U	5.0	1	08/05/23 12:36	
Chloromethane	5.0 U	5.0	1	08/05/23 12:36	
Dibromochloromethane	5.0 U	5.0	1	08/05/23 12:36	
Dichloromethane	5.0 U	5.0	1	08/05/23 12:36	
Ethylbenzene	5.0 U	5.0	1	08/05/23 12:36	
Styrene	5.0 U	5.0	1	08/05/23 12:36	
Tetrachloroethene (PCE)	5.0 U	5.0	1	08/05/23 12:36	
Toluene	5.0 U	5.0	1	08/05/23 12:36	
Trichloroethene (TCE)	5.0 U	5.0	1	08/05/23 12:36	
Vinyl Chloride	5.0 U	5.0	1	08/05/23 12:36	
cis-1,2-Dichloroethene	5.0 U	5.0	1	08/05/23 12:36	
cis-1,3-Dichloropropene	5.0 U	5.0	1	08/05/23 12:36	
m,p-Xylenes	5.0 U	5.0	1	08/05/23 12:36	
o-Xylene	5.0 U	5.0	1	08/05/23 12:36	
trans-1,2-Dichloroethene	5.0 U	5.0	1	08/05/23 12:36	
trans-1,3-Dichloropropene	5.0 U	5.0	1	08/05/23 12:36	

Analytical Report

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2306651
Project:	RTP/190500390.465	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2309897-04	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	93	85 - 122	08/05/23 12:36	
Dibromofluoromethane	99	80 - 116	08/05/23 12:36	
Toluene-d8	99	87 - 121	08/05/23 12:36	

Analytical Report

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2306651
Project:	RTP/190500390.465	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2309996-06	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	08/08/23 13:06	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	08/08/23 13:06	
1,1,2-Trichloroethane	5.0 U	5.0	1	08/08/23 13:06	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	08/08/23 13:06	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	08/08/23 13:06	
1,2-Dichloroethane	5.0 U	5.0	1	08/08/23 13:06	
1,2-Dichloropropane	5.0 U	5.0	1	08/08/23 13:06	
2-Butanone (MEK)	10 U	10	1	08/08/23 13:06	
2-Hexanone	10 U	10	1	08/08/23 13:06	
4-Methyl-2-pentanone	10 U	10	1	08/08/23 13:06	
Acetone	10 U	10	1	08/08/23 13:06	
Benzene	5.0 U	5.0	1	08/08/23 13:06	
Bromodichloromethane	5.0 U	5.0	1	08/08/23 13:06	
Bromoform	5.0 U	5.0	1	08/08/23 13:06	
Bromomethane	5.0 U	5.0	1	08/08/23 13:06	
Carbon Disulfide	10 U	10	1	08/08/23 13:06	
Carbon Tetrachloride	5.0 U	5.0	1	08/08/23 13:06	
Chlorobenzene	5.0 U	5.0	1	08/08/23 13:06	
Chloroethane	5.0 U	5.0	1	08/08/23 13:06	
Chloroform	5.0 U	5.0	1	08/08/23 13:06	
Chloromethane	5.0 U	5.0	1	08/08/23 13:06	
Dibromochloromethane	5.0 U	5.0	1	08/08/23 13:06	
Dichloromethane	5.0 U	5.0	1	08/08/23 13:06	
Ethylbenzene	5.0 U	5.0	1	08/08/23 13:06	
Styrene	5.0 U	5.0	1	08/08/23 13:06	
Tetrachloroethene (PCE)	5.0 U	5.0	1	08/08/23 13:06	
Toluene	5.0 U	5.0	1	08/08/23 13:06	
Trichloroethene (TCE)	5.0 U	5.0	1	08/08/23 13:06	
Vinyl Chloride	5.0 U	5.0	1	08/08/23 13:06	
cis-1,2-Dichloroethene	5.0 U	5.0	1	08/08/23 13:06	
cis-1,3-Dichloropropene	5.0 U	5.0	1	08/08/23 13:06	
m,p-Xylenes	5.0 U	5.0	1	08/08/23 13:06	
o-Xylene	5.0 U	5.0	1	08/08/23 13:06	
trans-1,2-Dichloroethene	5.0 U	5.0	1	08/08/23 13:06	
trans-1,3-Dichloropropene	5.0 U	5.0	1	08/08/23 13:06	

Analytical Report

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2306651
Project:	RTP/190500390.465	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2309996-06	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	95	85 - 122	08/08/23 13:06	
Dibromofluoromethane	101	80 - 116	08/08/23 13:06	
Toluene-d8	101	87 - 121	08/08/23 13:06	

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2306651
Project:	RTP/190500390.465	**Date Analyzed:**	08/05/23 11:16
Sample Matrix:	Water	**Date Extracted:**	

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Sample Name: Lab Control Sample
Lab Code: RQ2309897-03
Instrument ID: R-MS-17
File ID: I:\ACQUDATA\MSVOA17\Data\080523\E4278.D\

Analysis Method: 8260C
Prep Method: EPA 5030C
Analysis Lot: 812972

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Method Blank	RQ2309897-04	I:\ACQUDATA\MSVOA17\Data\080523\E4281.D	08/05/23 12:36
Trip Blank	R2306651-004	I:\ACQUDATA\MSVOA17\Data\080523\E4293.D	08/05/23 17:16
RTP-PDW110-GW	R2306651-001	I:\ACQUDATA\MSVOA17\Data\080523\E4294.D	08/05/23 17:39
RTP-MW203-GW	R2306651-002	I:\ACQUDATA\MSVOA17\Data\080523\E4295.D	08/05/23 18:02
RTP-MW208-GW	R2306651-003	I:\ACQUDATA\MSVOA17\Data\080523\E4296.D	08/05/23 18:25
RTP-DUP-GW	R2306651-006	I:\ACQUDATA\MSVOA17\Data\080523\E4297.D	08/05/23 18:48
RTP-MW205-GW	R2306651-007	I:\ACQUDATA\MSVOA17\Data\080523\E4298.D	08/05/23 19:11
RTP-MW212-GW	R2306651-008	I:\ACQUDATA\MSVOA17\Data\080523\E4299.D	08/05/23 19:34
RTP-MW213-GW	R2306651-009	I:\ACQUDATA\MSVOA17\Data\080523\E4300.D	08/05/23 19:57
RTP-PDW109-GW	R2306651-005	I:\ACQUDATA\MSVOA17\Data\080523\E4301.D	08/05/23 20:20
RTP-PDW109-GWMS	RQ2309897-05	I:\ACQUDATA\MSVOA17\Data\080523\E4302.D	08/05/23 20:43
RTP-PDW109-GWDMS	RQ2309897-06	I:\ACQUDATA\MSVOA17\Data\080523\E4303.D	08/05/23 21:06

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2306651
Project:	RTP/190500390.465	**Date Analyzed:**	08/08/23 11:26
Sample Matrix:	Water	**Date Extracted:**	

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Sample Name:	Lab Control Sample	**Instrument ID:**	R-MS-17
Lab Code:	RQ2309996-03	**File ID:**	I:\ACQUDATA\MSVOA17\Data\080823\E4310.D\
Analysis Method:	8260C	**Analysis Lot:**	813163
Prep Method:	EPA 5030C		

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Method Blank	RQ2309996-06	I:\ACQUDATA\MSVOA17\Data\080823\E4314.D\	08/08/23 13:06
RTP-PDW110-GW	R2306651-001	I:\ACQUDATA\MSVOA17\Data\080823\E4332.D\	08/08/23 20:01
RTP-MW203-GW	R2306651-002	I:\ACQUDATA\MSVOA17\Data\080823\E4333.D\	08/08/23 20:24
RTP-MW205-GW	R2306651-007	I:\ACQUDATA\MSVOA17\Data\080823\E4334.D\	08/08/23 20:47

Client: Stantec Consulting Group, Inc.
Project: RTP/190500390.465
Sample Matrix: Water

Service Request: R2306651
Date Analyzed: 08/05/23

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ2309897-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
1,1,1-Trichloroethane (TCA)	8260C	20.0	20.0	100	75-125
1,1,2,2-Tetrachloroethane	8260C	18.8	20.0	94	78-126
1,1,2-Trichloroethane	8260C	19.7	20.0	99	82-121
1,1-Dichloroethane (1,1-DCA)	8260C	20.4	20.0	102	80-124
1,1-Dichloroethene (1,1-DCE)	8260C	19.4	20.0	97	69-142
1,2-Dichloroethane	8260C	20.0	20.0	100	71-127
1,2-Dichloropropane	8260C	19.6	20.0	98	80-119
2-Butanone (MEK)	8260C	14.8	20.0	74	61-137
2-Hexanone	8260C	17.1	20.0	86	63-124
4-Methyl-2-pentanone	8260C	18.1	20.0	90	66-124
Acetone	8260C	13.6	20.0	68	40-161
Benzene	8260C	20.5	20.0	102	79-119
Bromodichloromethane	8260C	19.2	20.0	96	81-123
Bromoform	8260C	19.9	20.0	100	65-146
Bromomethane	8260C	21.5	20.0	107	42-166
Carbon Disulfide	8260C	17.6	20.0	88	66-128
Carbon Tetrachloride	8260C	21.4	20.0	107	70-127
Chlorobenzene	8260C	19.9	20.0	100	80-121
Chloroethane	8260C	17.8	20.0	89	62-131
Chloroform	8260C	19.3	20.0	96	79-120
Chloromethane	8260C	20.6	20.0	103	72-179
Dibromochloromethane	8260C	20.3	20.0	102	72-128
Dichloromethane	8260C	19.1	20.0	96	73-122
Ethylbenzene	8260C	20.3	20.0	101	76-120
Styrene	8260C	20.1	20.0	101	80-124
Tetrachloroethene (PCE)	8260C	20.1	20.0	100	72-125
Toluene	8260C	20.2	20.0	101	79-119
Trichloroethene (TCE)	8260C	20.1	20.0	100	74-122
Vinyl Chloride	8260C	18.4	20.0	92	74-159
cis-1,2-Dichloroethene	8260C	19.1	20.0	95	80-121
cis-1,3-Dichloropropene	8260C	20.8	20.0	104	77-122
m,p-Xylenes	8260C	40.4	40.0	101	80-126
o-Xylene	8260C	20.0	20.0	100	79-123

Client: Stantec Consulting Group, Inc.
Project: RTP/190500390.465
Sample Matrix: Water

Service Request: R2306651
Date Analyzed: 08/05/23

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ2309897-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
trans-1,2-Dichloroethene	8260C	19.4	20.0	97	73-118
trans-1,3-Dichloropropene	8260C	21.4	20.0	107	71-133

Client: Stantec Consulting Group, Inc.
Project: RTP/190500390.465
Sample Matrix: Water

Service Request: R2306651
Date Analyzed: 08/08/23

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ2309996-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
1,1,1-Trichloroethane (TCA)	8260C	19.1	20.0	96	75-125
1,1,2,2-Tetrachloroethane	8260C	18.7	20.0	93	78-126
1,1,2-Trichloroethane	8260C	19.3	20.0	96	82-121
1,1-Dichloroethane (1,1-DCA)	8260C	20.2	20.0	101	80-124
1,1-Dichloroethene (1,1-DCE)	8260C	19.7	20.0	99	69-142
1,2-Dichloroethane	8260C	18.9	20.0	94	71-127
1,2-Dichloropropane	8260C	18.7	20.0	94	80-119
2-Butanone (MEK)	8260C	15.0	20.0	75	61-137
2-Hexanone	8260C	17.1	20.0	86	63-124
4-Methyl-2-pentanone	8260C	17.8	20.0	89	66-124
Acetone	8260C	14.3	20.0	71	40-161
Benzene	8260C	19.5	20.0	97	79-119
Bromodichloromethane	8260C	18.3	20.0	92	81-123
Bromoform	8260C	19.4	20.0	97	65-146
Bromomethane	8260C	18.0	20.0	90	42-166
Carbon Disulfide	8260C	17.7	20.0	88	66-128
Carbon Tetrachloride	8260C	19.8	20.0	99	70-127
Chlorobenzene	8260C	19.1	20.0	95	80-121
Chloroethane	8260C	18.0	20.0	90	62-131
Chloroform	8260C	18.8	20.0	94	79-120
Chloromethane	8260C	19.5	20.0	97	72-179
Dibromochloromethane	8260C	19.0	20.0	95	72-128
Dichloromethane	8260C	18.8	20.0	94	73-122
Ethylbenzene	8260C	19.1	20.0	95	76-120
Styrene	8260C	19.3	20.0	97	80-124
Tetrachloroethene (PCE)	8260C	18.9	20.0	95	72-125
Toluene	8260C	19.2	20.0	96	79-119
Trichloroethene (TCE)	8260C	19.4	20.0	97	74-122
Vinyl Chloride	8260C	18.1	20.0	90	74-159
cis-1,2-Dichloroethene	8260C	18.8	20.0	94	80-121
cis-1,3-Dichloropropene	8260C	19.6	20.0	98	77-122
m,p-Xylenes	8260C	38.2	40.0	96	80-126
o-Xylene	8260C	19.1	20.0	95	79-123

Client: Stantec Consulting Group, Inc.
Project: RTP/190500390.465
Sample Matrix: Water

Service Request: R2306651
Date Analyzed: 08/08/23

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ2309996-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
trans-1,2-Dichloroethene	8260C	19.1	20.0	95	73-118
trans-1,3-Dichloropropene	8260C	20.4	20.0	102	71-133

Client: Stantec Consulting Group, Inc. **Service Request:**R2306651
Project: RTP/190500390.465 **Date Analyzed:**08/05/23 10:11

Tune Summary
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\MSVOA17\Data\080523\E4276.D\ **Analytical Method:** 8260C
Instrument ID: R-MS-17 **Analysis Lot:** 812972

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Result Pass/Fail
50	95	15	40	17.5	26783	Pass
75	95	30	60	49.3	75239	Pass
95	95	100	100	100.0	152659	Pass
96	95	5	9	6.5	9897	Pass
173	174	0	2	1.3	1744	Pass
174	95	50	120	90.8	138583	Pass
175	174	5	9	7.7	10666	Pass
176	174	95	101	97.4	135019	Pass
177	176	5	9	6.6	8860	Pass

Sample Name	Lab Code	File ID:	Date Analyzed:	Q
Continuing Calibration Verification	RQ2309897-02	I:\ACQUDATA\MSVOA17\Data\080523\E4277.D\	08/05/23 10:44	
Lab Control Sample	RQ2309897-03	I:\ACQUDATA\MSVOA17\Data\080523\E4278.D\	08/05/23 11:16	
Method Blank	RQ2309897-04	I:\ACQUDATA\MSVOA17\Data\080523\E4281.D\	08/05/23 12:36	
Trip Blank	R2306651-004	I:\ACQUDATA\MSVOA17\Data\080523\E4293.D\	08/05/23 17:16	
RTP-PDW110-GW	R2306651-001	I:\ACQUDATA\MSVOA17\Data\080523\E4294.D\	08/05/23 17:39	
RTP-MW203-GW	R2306651-002	I:\ACQUDATA\MSVOA17\Data\080523\E4295.D\	08/05/23 18:02	
RTP-MW208-GW	R2306651-003	I:\ACQUDATA\MSVOA17\Data\080523\E4296.D\	08/05/23 18:25	
RTP-DUP-GW	R2306651-006	I:\ACQUDATA\MSVOA17\Data\080523\E4297.D\	08/05/23 18:48	
RTP-MW205-GW	R2306651-007	I:\ACQUDATA\MSVOA17\Data\080523\E4298.D\	08/05/23 19:11	
RTP-MW212-GW	R2306651-008	I:\ACQUDATA\MSVOA17\Data\080523\E4299.D\	08/05/23 19:34	
RTP-MW213-GW	R2306651-009	I:\ACQUDATA\MSVOA17\Data\080523\E4300.D\	08/05/23 19:57	
RTP-PDW109-GW	R2306651-005	I:\ACQUDATA\MSVOA17\Data\080523\E4301.D\	08/05/23 20:20	
RTP-PDW109-GW	RQ2309897-05	I:\ACQUDATA\MSVOA17\Data\080523\E4302.D\	08/05/23 20:43	
RTP-PDW109-GW	RQ2309897-06	I:\ACQUDATA\MSVOA17\Data\080523\E4303.D\	08/05/23 21:06	

Client: Stantec Consulting Group, Inc. **Service Request:**R2306651
Project: RTP/190500390.465 **Date Analyzed:**08/08/23 10:20

Tune Summary
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\MSVOA17\Data\080823\E4308.D\ **Analytical Method:** 8260C
Instrument ID: R-MS-17 **Analysis Lot:** 813163

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Result Pass/Fail
50	95	15	40	17.8	25773	Pass
75	95	30	60	49.2	71163	Pass
95	95	100	100	100.0	144771	Pass
96	95	5	9	6.7	9759	Pass
173	174	0	2	1.2	1624	Pass
174	95	50	120	91.2	132003	Pass
175	174	5	9	7.7	10101	Pass
176	174	95	101	97.5	128728	Pass
177	176	5	9	6.5	8400	Pass

Sample Name	Lab Code	File ID:	Date Analyzed:	Q
Continuing Calibration Verification	RQ2309996-02	I:\ACQUDATA\MSVOA17\Data\080823\E4309.D\	08/08/23 10:53	
Lab Control Sample	RQ2309996-03	I:\ACQUDATA\MSVOA17\Data\080823\E4310.D\	08/08/23 11:26	
Method Blank	RQ2309996-06	I:\ACQUDATA\MSVOA17\Data\080823\E4314.D\	08/08/23 13:06	
RTP-PDW110-GW	R2306651-001	I:\ACQUDATA\MSVOA17\Data\080823\E4332.D\	08/08/23 20:01	
RTP-MW203-GW	R2306651-002	I:\ACQUDATA\MSVOA17\Data\080823\E4333.D\	08/08/23 20:24	
RTP-MW205-GW	R2306651-007	I:\ACQUDATA\MSVOA17\Data\080823\E4334.D\	08/08/23 20:47	

Client: Stantec Consulting Group, Inc. **Service Request:**R2306651
Project: RTP/190500390.465 **Date Analyzed:**08/05/23 10:44

Internal Standard Area and RT SUMMARY
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\MSVOA17\Data\080523\E4277.D\ **Lab Code:**RQ2309897-02
Instrument ID: R-MS-17 **Analysis Lot:**812972
Analysis Method: 8260C **Signal ID:**1

		1,4-Dichlorobenzene-d4		1,4-Difluorobenzene		Chlorobenzene-d5	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Result ==>	285,216	11.68	566,571	6.24	528,806	9.62
	Upper Limit ==>	570,432	11.85	1,133,142	6.41	1,057,612	9.79
	Lower Limit ==>	142,608	11.51	283,286	6.07	264,403	9.45
Associated Analyses							
Lab Control Sample	RQ2309897-03	272284	11.68	564207	6.24	514734	9.62
Method Blank	RQ2309897-04	253690	11.68	543993	6.24	495328	9.62
Trip Blank	R2306651-004	239635	11.68	534501	6.24	478916	9.62
RTP-PDW110-GW	R2306651-001	240651	11.68	531147	6.24	482289	9.62
RTP-MW203-GW	R2306651-002	253472	11.68	536198	6.24	492208	9.62
RTP-MW208-GW	R2306651-003	228889	11.68	517032	6.24	463308	9.62
RTP-DUP-GW	R2306651-006	243648	11.68	523017	6.24	480643	9.62
RTP-MW205-GW	R2306651-007	247215	11.68	529643	6.24	488487	9.62
RTP-MW212-GW	R2306651-008	242382	11.68	526203	6.24	475941	9.62
RTP-MW213-GW	R2306651-009	242445	11.68	532036	6.24	480374	9.62
RTP-PDW109-GW	R2306651-005	245718	11.68	521810	6.24	478184	9.62
RTP-PDW109-GWMS	RQ2309897-05	276768	11.68	539274	6.24	499562	9.62
RTP-PDW109-GWDMS	RQ2309897-06	272632	11.68	541332	6.24	496827	9.62

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Stantec Consulting Group, Inc. **Service Request:**R2306651
Project: RTP/190500390.465 **Date Analyzed:**08/05/23 10:44

Internal Standard Area and RT SUMMARY
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\MSVOA17\Data\080523\E4277.D\ **Lab Code:**RQ2309897-02
Instrument ID: R-MS-17 **Analysis Lot:**812972
Analysis Method: 8260C **Signal ID:**1

		Pentafluorobenzene	
		Area	**RT**
	Result ==>	394,156	5.08
	Upper Limit ==>	788,312	5.25
	Lower Limit ==>	197,078	4.91
Associated Analyses			
Lab Control Sample	RQ2309897-03	397871	5.08
Method Blank	RQ2309897-04	375687	5.09
Trip Blank	R2306651-004	365886	5.09
RTP-PDW110-GW	R2306651-001	364676	5.09
RTP-MW203-GW	R2306651-002	370548	5.09
RTP-MW208-GW	R2306651-003	360327	5.09
RTP-DUP-GW	R2306651-006	362521	5.09
RTP-MW205-GW	R2306651-007	368181	5.09
RTP-MW212-GW	R2306651-008	363142	5.09
RTP-MW213-GW	R2306651-009	363430	5.09
RTP-PDW109-GW	R2306651-005	363802	5.09
RTP-PDW109-GWMS	RQ2309897-05	376635	5.09
RTP-PDW109-GWDMS	RQ2309897-06	377898	5.09

Client: Stantec Consulting Group, Inc. **Service Request:**R2306651
Project: RTP/190500390.465 **Date Analyzed:**08/08/23 10:53

Internal Standard Area and RT SUMMARY
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\MSVOA17\Data\080823\E4309.D\ **Lab Code:**RQ2309996-02
Instrument ID: R-MS-17 **Analysis Lot:**813163
Analysis Method: 8260C **Signal ID:**1

		1,4-Dichlorobenzene-d4		1,4-Difluorobenzene		Chlorobenzene-d5	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Result ==>	283,266	11.68	555,844	6.24	517,480	9.62
	Upper Limit ==>	566,532	11.85	1,111,688	6.41	1,034,960	9.79
	Lower Limit ==>	141,633	11.51	277,922	6.07	258,740	9.45
Associated Analyses							
Lab Control Sample	RQ2309996-03	266300	11.68	556542	6.24	505134	9.62
Method Blank	RQ2309996-06	250736	11.68	530486	6.24	484927	9.62
RTP-PDW110-GW	R2306651-001	235663	11.68	514191	6.24	466680	9.62
RTP-MW203-GW	R2306651-002	225480	11.68	507408	6.24	463196	9.62
RTP-MW205-GW	R2306651-007	235709	11.68	510311	6.24	464782	9.62

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Stantec Consulting Group, Inc. **Service Request:**R2306651
Project: RTP/190500390.465 **Date Analyzed:**08/08/23 10:53

Internal Standard Area and RT SUMMARY
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\MSVOA17\Data\080823\E4309.D\ **Lab Code:**RQ2309996-02
Instrument ID: R-MS-17 **Analysis Lot:**813163
Analysis Method: 8260C **Signal ID:**1

		Pentafluorobenzene	
		Area	**RT**
	Result ==>	382,653	5.08
	Upper Limit ==>	765,306	5.25
	Lower Limit ==>	191,327	4.91
Associated Analyses			
Lab Control Sample	RQ2309996-03	384568	5.08
Method Blank	RQ2309996-06	360145	5.09
RTP-PDW110-GW	R2306651-001	350287	5.09
RTP-MW203-GW	R2306651-002	345240	5.09
RTP-MW205-GW	R2306651-007	345187	5.09

Raw Data

ALS Environmental—Rochester Laboratory
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Volatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory
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Phone (585) 288-5380 Fax (585) 288-8475
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Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2306651
Project:	RTP/190500390.465	**Date Collected:**	07/25/23 12:04
Sample Matrix:	Water	**Date Received:**	07/26/23 16:12
Sample Name:	RTP-PDW110-GW	**Units:**	ug/L
Lab Code:	R2306651-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result		MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0	U	5.0	1	08/05/23 17:39	
1,1,2,2-Tetrachloroethane	5.0	U	5.0	1	08/05/23 17:39	
1,1,2-Trichloroethane	5.0	U	5.0	1	08/05/23 17:39	
1,1-Dichloroethane (1,1-DCA)	**45**		5.0	1	08/05/23 17:39	
1,1-Dichloroethene (1,1-DCE)	**8.5**		5.0	1	08/05/23 17:39	
1,2-Dichloroethane	5.0	U	5.0	1	08/05/23 17:39	
1,2-Dichloropropane	5.0	U	5.0	1	08/05/23 17:39	
2-Butanone (MEK)	10	U	10	1	08/05/23 17:39	
2-Hexanone	10	U	10	1	08/05/23 17:39	
4-Methyl-2-pentanone	10	U	10	1	08/05/23 17:39	
Acetone	10	U	10	1	08/05/23 17:39	
Benzene	5.0	U	5.0	1	08/05/23 17:39	
Bromodichloromethane	5.0	U	5.0	1	08/05/23 17:39	
Bromoform	5.0	U	5.0	1	08/05/23 17:39	
Bromomethane	5.0	U	5.0	1	08/05/23 17:39	
Carbon Disulfide	10	U	10	1	08/05/23 17:39	
Carbon Tetrachloride	5.0	U	5.0	1	08/05/23 17:39	
Chlorobenzene	5.0	U	5.0	1	08/05/23 17:39	
Chloroethane	5.0	U	5.0	1	08/05/23 17:39	
Chloroform	5.0	U	5.0	1	08/05/23 17:39	
Chloromethane	5.0	U	5.0	1	08/05/23 17:39	
Dibromochloromethane	5.0	U	5.0	1	08/05/23 17:39	
Dichloromethane	5.0	U	5.0	1	08/05/23 17:39	
Ethylbenzene	5.0	U	5.0	1	08/05/23 17:39	
Styrene	5.0	U	5.0	1	08/05/23 17:39	
Tetrachloroethene (PCE)	5.0	U	5.0	1	08/05/23 17:39	
Toluene	5.0	U	5.0	1	08/05/23 17:39	
Trichloroethene (TCE)	**1800**	**E**	5.0	1	08/05/23 17:39	
Vinyl Chloride	5.0	U	5.0	1	08/05/23 17:39	
cis-1,2-Dichloroethene	**56**		5.0	1	08/05/23 17:39	
cis-1,3-Dichloropropene	5.0	U	5.0	1	08/05/23 17:39	
m,p-Xylenes	5.0	U	5.0	1	08/05/23 17:39	
o-Xylene	5.0	U	5.0	1	08/05/23 17:39	
trans-1,2-Dichloroethene	**78**		5.0	1	08/05/23 17:39	
trans-1,3-Dichloropropene	5.0	U	5.0	1	08/05/23 17:39	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	85 - 122	08/05/23 17:39	
Dibromofluoromethane	101	80 - 116	08/05/23 17:39	
Toluene-d8	101	87 - 121	08/05/23 17:39	

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2306651
Project:	RTP/190500390.465	**Date Collected:**	07/25/23 12:04
Sample Matrix:	Water	**Date Received:**	07/26/23 16:12
Sample Name:	RTP-PDW110-GW	**Units:**	ug/L
Lab Code:	R2306651-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	130 U	130	25	08/08/23 20:01	
1,1,2,2-Tetrachloroethane	130 U	130	25	08/08/23 20:01	
1,1,2-Trichloroethane	130 U	130	25	08/08/23 20:01	
1,1-Dichloroethane (1,1-DCA)	130 U	130	25	08/08/23 20:01	
1,1-Dichloroethene (1,1-DCE)	130 U	130	25	08/08/23 20:01	
1,2-Dichloroethane	130 U	130	25	08/08/23 20:01	
1,2-Dichloropropane	130 U	130	25	08/08/23 20:01	
2-Butanone (MEK)	250 U	250	25	08/08/23 20:01	
2-Hexanone	250 U	250	25	08/08/23 20:01	
4-Methyl-2-pentanone	250 U	250	25	08/08/23 20:01	
Acetone	250 U	250	25	08/08/23 20:01	
Benzene	130 U	130	25	08/08/23 20:01	
Bromodichloromethane	130 U	130	25	08/08/23 20:01	
Bromoform	130 U	130	25	08/08/23 20:01	
Bromomethane	130 U	130	25	08/08/23 20:01	
Carbon Disulfide	250 U	250	25	08/08/23 20:01	
Carbon Tetrachloride	130 U	130	25	08/08/23 20:01	
Chlorobenzene	130 U	130	25	08/08/23 20:01	
Chloroethane	130 U	130	25	08/08/23 20:01	
Chloroform	130 U	130	25	08/08/23 20:01	
Chloromethane	130 U	130	25	08/08/23 20:01	
Dibromochloromethane	130 U	130	25	08/08/23 20:01	
Dichloromethane	130 U	130	25	08/08/23 20:01	
Ethylbenzene	130 U	130	25	08/08/23 20:01	
Styrene	130 U	130	25	08/08/23 20:01	
Tetrachloroethene (PCE)	130 U	130	25	08/08/23 20:01	
Toluene	130 U	130	25	08/08/23 20:01	
Trichloroethene (TCE)	**1400 D**	130	25	08/08/23 20:01	
Vinyl Chloride	130 U	130	25	08/08/23 20:01	
cis-1,2-Dichloroethene	130 U	130	25	08/08/23 20:01	
cis-1,3-Dichloropropene	130 U	130	25	08/08/23 20:01	
m,p-Xylenes	130 U	130	25	08/08/23 20:01	
o-Xylene	130 U	130	25	08/08/23 20:01	
trans-1,2-Dichloroethene	130 U	130	25	08/08/23 20:01	
trans-1,3-Dichloropropene	130 U	130	25	08/08/23 20:01	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	96	85 - 122	08/08/23 20:01	
Dibromofluoromethane	99	80 - 116	08/08/23 20:01	
Toluene-d8	101	87 - 121	08/08/23 20:01	

Analytical Report

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2306651
Project:	RTP/190500390.465	**Date Collected:**	07/25/23 14:05
Sample Matrix:	Water	**Date Received:**	07/26/23 16:12
Sample Name:	RTP-MW203-GW	**Units:**	ug/L
Lab Code:	R2306651-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result		MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0	U	5.0	1	08/05/23 18:02	
1,1,2,2-Tetrachloroethane	5.0	U	5.0	1	08/05/23 18:02	
1,1,2-Trichloroethane	5.0	U	5.0	1	08/05/23 18:02	
1,1-Dichloroethane (1,1-DCA)	**22**		5.0	1	08/05/23 18:02	
1,1-Dichloroethene (1,1-DCE)	**15**		5.0	1	08/05/23 18:02	
1,2-Dichloroethane	5.0	U	5.0	1	08/05/23 18:02	
1,2-Dichloropropane	5.0	U	5.0	1	08/05/23 18:02	
2-Butanone (MEK)	10	U	10	1	08/05/23 18:02	
2-Hexanone	10	U	10	1	08/05/23 18:02	
4-Methyl-2-pentanone	10	U	10	1	08/05/23 18:02	
Acetone	10	U	10	1	08/05/23 18:02	
Benzene	5.0	U	5.0	1	08/05/23 18:02	
Bromodichloromethane	5.0	U	5.0	1	08/05/23 18:02	
Bromoform	5.0	U	5.0	1	08/05/23 18:02	
Bromomethane	5.0	U	5.0	1	08/05/23 18:02	
Carbon Disulfide	10	U	10	1	08/05/23 18:02	
Carbon Tetrachloride	5.0	U	5.0	1	08/05/23 18:02	
Chlorobenzene	5.0	U	5.0	1	08/05/23 18:02	
Chloroethane	5.0	U	5.0	1	08/05/23 18:02	
Chloroform	5.0	U	5.0	1	08/05/23 18:02	
Chloromethane	5.0	U	5.0	1	08/05/23 18:02	
Dibromochloromethane	5.0	U	5.0	1	08/05/23 18:02	
Dichloromethane	5.0	U	5.0	1	08/05/23 18:02	
Ethylbenzene	5.0	U	5.0	1	08/05/23 18:02	
Styrene	5.0	U	5.0	1	08/05/23 18:02	
Tetrachloroethene (PCE)	5.0	U	5.0	1	08/05/23 18:02	
Toluene	5.0	U	5.0	1	08/05/23 18:02	
Trichloroethene (TCE)	**790**	**E**	5.0	1	08/05/23 18:02	
Vinyl Chloride	**9.5**		5.0	1	08/05/23 18:02	
cis-1,2-Dichloroethene	**76**		5.0	1	08/05/23 18:02	
cis-1,3-Dichloropropene	5.0	U	5.0	1	08/05/23 18:02	
m,p-Xylenes	5.0	U	5.0	1	08/05/23 18:02	
o-Xylene	5.0	U	5.0	1	08/05/23 18:02	
trans-1,2-Dichloroethene	**32**		5.0	1	08/05/23 18:02	
trans-1,3-Dichloropropene	5.0	U	5.0	1	08/05/23 18:02	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	94	85 - 122	08/05/23 18:02	
Dibromofluoromethane	102	80 - 116	08/05/23 18:02	
Toluene-d8	101	87 - 121	08/05/23 18:02	

Analytical Report

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2306651
Project:	RTP/190500390.465	**Date Collected:**	07/25/23 14:05
Sample Matrix:	Water	**Date Received:**	07/26/23 16:12
Sample Name:	RTP-MW203-GW	**Units:**	ug/L
Lab Code:	R2306651-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	25 U	25	5	08/08/23 20:24	
1,1,2,2-Tetrachloroethane	25 U	25	5	08/08/23 20:24	
1,1,2-Trichloroethane	25 U	25	5	08/08/23 20:24	
1,1-Dichloroethane (1,1-DCA)	25 U	25	5	08/08/23 20:24	
1,1-Dichloroethene (1,1-DCE)	25 U	25	5	08/08/23 20:24	
1,2-Dichloroethane	25 U	25	5	08/08/23 20:24	
1,2-Dichloropropane	25 U	25	5	08/08/23 20:24	
2-Butanone (MEK)	50 U	50	5	08/08/23 20:24	
2-Hexanone	50 U	50	5	08/08/23 20:24	
4-Methyl-2-pentanone	50 U	50	5	08/08/23 20:24	
Acetone	50 U	50	5	08/08/23 20:24	
Benzene	25 U	25	5	08/08/23 20:24	
Bromodichloromethane	25 U	25	5	08/08/23 20:24	
Bromoform	25 U	25	5	08/08/23 20:24	
Bromomethane	25 U	25	5	08/08/23 20:24	
Carbon Disulfide	50 U	50	5	08/08/23 20:24	
Carbon Tetrachloride	25 U	25	5	08/08/23 20:24	
Chlorobenzene	25 U	25	5	08/08/23 20:24	
Chloroethane	25 U	25	5	08/08/23 20:24	
Chloroform	25 U	25	5	08/08/23 20:24	
Chloromethane	25 U	25	5	08/08/23 20:24	
Dibromochloromethane	25 U	25	5	08/08/23 20:24	
Dichloromethane	25 U	25	5	08/08/23 20:24	
Ethylbenzene	25 U	25	5	08/08/23 20:24	
Styrene	25 U	25	5	08/08/23 20:24	
Tetrachloroethene (PCE)	25 U	25	5	08/08/23 20:24	
Toluene	25 U	25	5	08/08/23 20:24	
Trichloroethene (TCE)	**750 D**	25	5	08/08/23 20:24	
Vinyl Chloride	25 U	25	5	08/08/23 20:24	
cis-1,2-Dichloroethene	**75 D**	25	5	08/08/23 20:24	
cis-1,3-Dichloropropene	25 U	25	5	08/08/23 20:24	
m,p-Xylenes	25 U	25	5	08/08/23 20:24	
o-Xylene	25 U	25	5	08/08/23 20:24	
trans-1,2-Dichloroethene	**30 D**	25	5	08/08/23 20:24	
trans-1,3-Dichloropropene	25 U	25	5	08/08/23 20:24	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	96	85 - 122	08/08/23 20:24	
Dibromofluoromethane	101	80 - 116	08/08/23 20:24	
Toluene-d8	102	87 - 121	08/08/23 20:24	

Analytical Report

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2306651
Project:	RTP/190500390.465	**Date Collected:**	07/25/23 15:20
Sample Matrix:	Water	**Date Received:**	07/26/23 16:12
Sample Name:	RTP-MW208-GW	**Units:**	ug/L
Lab Code:	R2306651-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	08/05/23 18:25	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	08/05/23 18:25	
1,1,2-Trichloroethane	5.0 U	5.0	1	08/05/23 18:25	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	08/05/23 18:25	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	08/05/23 18:25	
1,2-Dichloroethane	5.0 U	5.0	1	08/05/23 18:25	
1,2-Dichloropropane	5.0 U	5.0	1	08/05/23 18:25	
2-Butanone (MEK)	10 U	10	1	08/05/23 18:25	
2-Hexanone	10 U	10	1	08/05/23 18:25	
4-Methyl-2-pentanone	10 U	10	1	08/05/23 18:25	
Acetone	10 U	10	1	08/05/23 18:25	
Benzene	5.0 U	5.0	1	08/05/23 18:25	
Bromodichloromethane	5.0 U	5.0	1	08/05/23 18:25	
Bromoform	5.0 U	5.0	1	08/05/23 18:25	
Bromomethane	5.0 U	5.0	1	08/05/23 18:25	
Carbon Disulfide	10 U	10	1	08/05/23 18:25	
Carbon Tetrachloride	5.0 U	5.0	1	08/05/23 18:25	
Chlorobenzene	5.0 U	5.0	1	08/05/23 18:25	
Chloroethane	5.0 U	5.0	1	08/05/23 18:25	
Chloroform	5.0 U	5.0	1	08/05/23 18:25	
Chloromethane	5.0 U	5.0	1	08/05/23 18:25	
Dibromochloromethane	5.0 U	5.0	1	08/05/23 18:25	
Dichloromethane	5.0 U	5.0	1	08/05/23 18:25	
Ethylbenzene	5.0 U	5.0	1	08/05/23 18:25	
Styrene	5.0 U	5.0	1	08/05/23 18:25	
Tetrachloroethene (PCE)	5.0 U	5.0	1	08/05/23 18:25	
Toluene	5.0 U	5.0	1	08/05/23 18:25	
Trichloroethene (TCE)	**7.6**	5.0	1	08/05/23 18:25	
Vinyl Chloride	5.0 U	5.0	1	08/05/23 18:25	
cis-1,2-Dichloroethene	5.0 U	5.0	1	08/05/23 18:25	
cis-1,3-Dichloropropene	5.0 U	5.0	1	08/05/23 18:25	
m,p-Xylenes	5.0 U	5.0	1	08/05/23 18:25	
o-Xylene	5.0 U	5.0	1	08/05/23 18:25	
trans-1,2-Dichloroethene	5.0 U	5.0	1	08/05/23 18:25	
trans-1,3-Dichloropropene	5.0 U	5.0	1	08/05/23 18:25	

Analytical Report

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2306651
Project:	RTP/190500390.465	**Date Collected:**	07/25/23 15:20
Sample Matrix:	Water	**Date Received:**	07/26/23 16:12
Sample Name:	RTP-MW208-GW	**Units:**	ug/L
Lab Code:	R2306651-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	95	85 - 122	08/05/23 18:25	
Dibromofluoromethane	102	80 - 116	08/05/23 18:25	
Toluene-d8	101	87 - 121	08/05/23 18:25	

Analytical Report

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2306651
Project:	RTP/190500390.465	**Date Collected:**	07/25/23
Sample Matrix:	Water	**Date Received:**	07/26/23 16:12
Sample Name:	Trip Blank	**Units:**	ug/L
Lab Code:	R2306651-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	08/05/23 17:16	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	08/05/23 17:16	
1,1,2-Trichloroethane	5.0 U	5.0	1	08/05/23 17:16	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	08/05/23 17:16	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	08/05/23 17:16	
1,2-Dichloroethane	5.0 U	5.0	1	08/05/23 17:16	
1,2-Dichloropropane	5.0 U	5.0	1	08/05/23 17:16	
2-Butanone (MEK)	10 U	10	1	08/05/23 17:16	
2-Hexanone	10 U	10	1	08/05/23 17:16	
4-Methyl-2-pentanone	10 U	10	1	08/05/23 17:16	
Acetone	10 U	10	1	08/05/23 17:16	
Benzene	5.0 U	5.0	1	08/05/23 17:16	
Bromodichloromethane	5.0 U	5.0	1	08/05/23 17:16	
Bromoform	5.0 U	5.0	1	08/05/23 17:16	
Bromomethane	5.0 U	5.0	1	08/05/23 17:16	
Carbon Disulfide	10 U	10	1	08/05/23 17:16	
Carbon Tetrachloride	5.0 U	5.0	1	08/05/23 17:16	
Chlorobenzene	5.0 U	5.0	1	08/05/23 17:16	
Chloroethane	5.0 U	5.0	1	08/05/23 17:16	
Chloroform	5.0 U	5.0	1	08/05/23 17:16	
Chloromethane	5.0 U	5.0	1	08/05/23 17:16	
Dibromochloromethane	5.0 U	5.0	1	08/05/23 17:16	
Dichloromethane	5.0 U	5.0	1	08/05/23 17:16	
Ethylbenzene	5.0 U	5.0	1	08/05/23 17:16	
Styrene	5.0 U	5.0	1	08/05/23 17:16	
Tetrachloroethene (PCE)	5.0 U	5.0	1	08/05/23 17:16	
Toluene	5.0 U	5.0	1	08/05/23 17:16	
Trichloroethene (TCE)	5.0 U	5.0	1	08/05/23 17:16	
Vinyl Chloride	5.0 U	5.0	1	08/05/23 17:16	
cis-1,2-Dichloroethene	5.0 U	5.0	1	08/05/23 17:16	
cis-1,3-Dichloropropene	5.0 U	5.0	1	08/05/23 17:16	
m,p-Xylenes	5.0 U	5.0	1	08/05/23 17:16	
o-Xylene	5.0 U	5.0	1	08/05/23 17:16	
trans-1,2-Dichloroethene	5.0 U	5.0	1	08/05/23 17:16	
trans-1,3-Dichloropropene	5.0 U	5.0	1	08/05/23 17:16	

Analytical Report

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2306651
Project:	RTP/190500390.465	**Date Collected:**	07/25/23
Sample Matrix:	Water	**Date Received:**	07/26/23 16:12
Sample Name:	Trip Blank	**Units:**	ug/L
Lab Code:	R2306651-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	89	85 - 122	08/05/23 17:16	
Dibromofluoromethane	98	80 - 116	08/05/23 17:16	
Toluene-d8	99	87 - 121	08/05/23 17:16	

Analytical Report

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2306651
Project:	RTP/190500390.465	**Date Collected:**	07/26/23 10:34
Sample Matrix:	Water	**Date Received:**	07/26/23 16:12
Sample Name:	RTP-PDW109-GW	**Units:**	ug/L
Lab Code:	R2306651-005	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	08/05/23 20:20	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	08/05/23 20:20	
1,1,2-Trichloroethane	5.0 U	5.0	1	08/05/23 20:20	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	08/05/23 20:20	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	08/05/23 20:20	
1,2-Dichloroethane	5.0 U	5.0	1	08/05/23 20:20	
1,2-Dichloropropane	5.0 U	5.0	1	08/05/23 20:20	
2-Butanone (MEK)	10 U	10	1	08/05/23 20:20	
2-Hexanone	10 U	10	1	08/05/23 20:20	
4-Methyl-2-pentanone	10 U	10	1	08/05/23 20:20	
Acetone	10 U	10	1	08/05/23 20:20	
Benzene	5.0 U	5.0	1	08/05/23 20:20	
Bromodichloromethane	5.0 U	5.0	1	08/05/23 20:20	
Bromoform	5.0 U	5.0	1	08/05/23 20:20	
Bromomethane	5.0 U	5.0	1	08/05/23 20:20	
Carbon Disulfide	10 U	10	1	08/05/23 20:20	
Carbon Tetrachloride	5.0 U	5.0	1	08/05/23 20:20	
Chlorobenzene	5.0 U	5.0	1	08/05/23 20:20	
Chloroethane	5.0 U	5.0	1	08/05/23 20:20	
Chloroform	5.0 U	5.0	1	08/05/23 20:20	
Chloromethane	5.0 U	5.0	1	08/05/23 20:20	
Dibromochloromethane	5.0 U	5.0	1	08/05/23 20:20	
Dichloromethane	5.0 U	5.0	1	08/05/23 20:20	
Ethylbenzene	5.0 U	5.0	1	08/05/23 20:20	
Styrene	5.0 U	5.0	1	08/05/23 20:20	
Tetrachloroethene (PCE)	5.0 U	5.0	1	08/05/23 20:20	
Toluene	5.0 U	5.0	1	08/05/23 20:20	
Trichloroethene (TCE)	5.0 U	5.0	1	08/05/23 20:20	
Vinyl Chloride	5.0 U	5.0	1	08/05/23 20:20	
cis-1,2-Dichloroethene	5.0 U	5.0	1	08/05/23 20:20	
cis-1,3-Dichloropropene	5.0 U	5.0	1	08/05/23 20:20	
m,p-Xylenes	5.0 U	5.0	1	08/05/23 20:20	
o-Xylene	5.0 U	5.0	1	08/05/23 20:20	
trans-1,2-Dichloroethene	5.0 U	5.0	1	08/05/23 20:20	
trans-1,3-Dichloropropene	5.0 U	5.0	1	08/05/23 20:20	

Analytical Report

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2306651
Project:	RTP/190500390.465	**Date Collected:**	07/26/23 10:34
Sample Matrix:	Water	**Date Received:**	07/26/23 16:12
Sample Name:	RTP-PDW109-GW	**Units:**	ug/L
Lab Code:	R2306651-005	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	85 - 122	08/05/23 20:20	
Dibromofluoromethane	99	80 - 116	08/05/23 20:20	
Toluene-d8	100	87 - 121	08/05/23 20:20	

Analytical Report

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2306651
Project:	RTP/190500390.465	**Date Collected:**	07/26/23 12:00
Sample Matrix:	Water	**Date Received:**	07/26/23 16:12
Sample Name:	RTP-DUP-GW	**Units:**	ug/L
Lab Code:	R2306651-006	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	08/05/23 18:48	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	08/05/23 18:48	
1,1,2-Trichloroethane	5.0 U	5.0	1	08/05/23 18:48	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	08/05/23 18:48	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	08/05/23 18:48	
1,2-Dichloroethane	5.0 U	5.0	1	08/05/23 18:48	
1,2-Dichloropropane	5.0 U	5.0	1	08/05/23 18:48	
2-Butanone (MEK)	10 U	10	1	08/05/23 18:48	
2-Hexanone	10 U	10	1	08/05/23 18:48	
4-Methyl-2-pentanone	10 U	10	1	08/05/23 18:48	
Acetone	10 U	10	1	08/05/23 18:48	
Benzene	5.0 U	5.0	1	08/05/23 18:48	
Bromodichloromethane	5.0 U	5.0	1	08/05/23 18:48	
Bromoform	5.0 U	5.0	1	08/05/23 18:48	
Bromomethane	5.0 U	5.0	1	08/05/23 18:48	
Carbon Disulfide	10 U	10	1	08/05/23 18:48	
Carbon Tetrachloride	5.0 U	5.0	1	08/05/23 18:48	
Chlorobenzene	5.0 U	5.0	1	08/05/23 18:48	
Chloroethane	5.0 U	5.0	1	08/05/23 18:48	
Chloroform	5.0 U	5.0	1	08/05/23 18:48	
Chloromethane	5.0 U	5.0	1	08/05/23 18:48	
Dibromochloromethane	5.0 U	5.0	1	08/05/23 18:48	
Dichloromethane	5.0 U	5.0	1	08/05/23 18:48	
Ethylbenzene	5.0 U	5.0	1	08/05/23 18:48	
Styrene	5.0 U	5.0	1	08/05/23 18:48	
Tetrachloroethene (PCE)	5.0 U	5.0	1	08/05/23 18:48	
Toluene	5.0 U	5.0	1	08/05/23 18:48	
Trichloroethene (TCE)	5.0 U	5.0	1	08/05/23 18:48	
Vinyl Chloride	5.0 U	5.0	1	08/05/23 18:48	
cis-1,2-Dichloroethene	5.0 U	5.0	1	08/05/23 18:48	
cis-1,3-Dichloropropene	5.0 U	5.0	1	08/05/23 18:48	
m,p-Xylenes	5.0 U	5.0	1	08/05/23 18:48	
o-Xylene	5.0 U	5.0	1	08/05/23 18:48	
trans-1,2-Dichloroethene	5.0 U	5.0	1	08/05/23 18:48	
trans-1,3-Dichloropropene	5.0 U	5.0	1	08/05/23 18:48	

Analytical Report

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2306651
Project:	RTP/190500390.465	**Date Collected:**	07/26/23 12:00
Sample Matrix:	Water	**Date Received:**	07/26/23 16:12
Sample Name:	RTP-DUP-GW	**Units:**	ug/L
Lab Code:	R2306651-006	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	94	85 - 122	08/05/23 18:48	
Dibromofluoromethane	103	80 - 116	08/05/23 18:48	
Toluene-d8	102	87 - 121	08/05/23 18:48	

Analytical Report

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2306651
Project:	RTP/190500390.465	**Date Collected:**	07/26/23 12:11
Sample Matrix:	Water	**Date Received:**	07/26/23 16:12
Sample Name:	RTP-MW205-GW	**Units:**	ug/L
Lab Code:	R2306651-007	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result		MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	25	U	25	5	08/05/23 19:11	
1,1,2,2-Tetrachloroethane	25	U	25	5	08/05/23 19:11	
1,1,2-Trichloroethane	25	U	25	5	08/05/23 19:11	
1,1-Dichloroethane (1,1-DCA)	25	U	25	5	08/05/23 19:11	
1,1-Dichloroethene (1,1-DCE)	25	U	25	5	08/05/23 19:11	
1,2-Dichloroethane	25	U	25	5	08/05/23 19:11	
1,2-Dichloropropane	25	U	25	5	08/05/23 19:11	
2-Butanone (MEK)	50	U	50	5	08/05/23 19:11	
2-Hexanone	50	U	50	5	08/05/23 19:11	
4-Methyl-2-pentanone	50	U	50	5	08/05/23 19:11	
Acetone	50	U	50	5	08/05/23 19:11	
Benzene	25	U	25	5	08/05/23 19:11	
Bromodichloromethane	25	U	25	5	08/05/23 19:11	
Bromoform	25	U	25	5	08/05/23 19:11	
Bromomethane	25	U	25	5	08/05/23 19:11	
Carbon Disulfide	50	U	50	5	08/05/23 19:11	
Carbon Tetrachloride	25	U	25	5	08/05/23 19:11	
Chlorobenzene	25	U	25	5	08/05/23 19:11	
Chloroethane	25	U	25	5	08/05/23 19:11	
Chloroform	25	U	25	5	08/05/23 19:11	
Chloromethane	25	U	25	5	08/05/23 19:11	
Dibromochloromethane	25	U	25	5	08/05/23 19:11	
Dichloromethane	25	U	25	5	08/05/23 19:11	
Ethylbenzene	25	U	25	5	08/05/23 19:11	
Styrene	25	U	25	5	08/05/23 19:11	
Tetrachloroethene (PCE)	25	U	25	5	08/05/23 19:11	
Toluene	25	U	25	5	08/05/23 19:11	
Trichloroethene (TCE)	**1100**	**E**	25	5	08/05/23 19:11	
Vinyl Chloride	25	U	25	5	08/05/23 19:11	
cis-1,2-Dichloroethene	**27**		25	5	08/05/23 19:11	
cis-1,3-Dichloropropene	25	U	25	5	08/05/23 19:11	
m,p-Xylenes	25	U	25	5	08/05/23 19:11	
o-Xylene	25	U	25	5	08/05/23 19:11	
trans-1,2-Dichloroethene	**27**		25	5	08/05/23 19:11	
trans-1,3-Dichloropropene	25	U	25	5	08/05/23 19:11	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	85 - 122	08/05/23 19:11	
Dibromofluoromethane	99	80 - 116	08/05/23 19:11	
Toluene-d8	101	87 - 121	08/05/23 19:11	

Analytical Report

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2306651
Project:	RTP/190500390.465	**Date Collected:**	07/26/23 12:11
Sample Matrix:	Water	**Date Received:**	07/26/23 16:12
Sample Name:	RTP-MW205-GW	**Units:**	ug/L
Lab Code:	R2306651-007	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	50 U	50	10	08/08/23 20:47	
1,1,2,2-Tetrachloroethane	50 U	50	10	08/08/23 20:47	
1,1,2-Trichloroethane	50 U	50	10	08/08/23 20:47	
1,1-Dichloroethane (1,1-DCA)	50 U	50	10	08/08/23 20:47	
1,1-Dichloroethene (1,1-DCE)	50 U	50	10	08/08/23 20:47	
1,2-Dichloroethane	50 U	50	10	08/08/23 20:47	
1,2-Dichloropropane	50 U	50	10	08/08/23 20:47	
2-Butanone (MEK)	100 U	100	10	08/08/23 20:47	
2-Hexanone	100 U	100	10	08/08/23 20:47	
4-Methyl-2-pentanone	100 U	100	10	08/08/23 20:47	
Acetone	100 U	100	10	08/08/23 20:47	
Benzene	50 U	50	10	08/08/23 20:47	
Bromodichloromethane	50 U	50	10	08/08/23 20:47	
Bromoform	50 U	50	10	08/08/23 20:47	
Bromomethane	50 U	50	10	08/08/23 20:47	
Carbon Disulfide	100 U	100	10	08/08/23 20:47	
Carbon Tetrachloride	50 U	50	10	08/08/23 20:47	
Chlorobenzene	50 U	50	10	08/08/23 20:47	
Chloroethane	50 U	50	10	08/08/23 20:47	
Chloroform	50 U	50	10	08/08/23 20:47	
Chloromethane	50 U	50	10	08/08/23 20:47	
Dibromochloromethane	50 U	50	10	08/08/23 20:47	
Dichloromethane	50 U	50	10	08/08/23 20:47	
Ethylbenzene	50 U	50	10	08/08/23 20:47	
Styrene	50 U	50	10	08/08/23 20:47	
Tetrachloroethene (PCE)	50 U	50	10	08/08/23 20:47	
Toluene	50 U	50	10	08/08/23 20:47	
Trichloroethene (TCE)	**1100 D**	50	10	08/08/23 20:47	
Vinyl Chloride	50 U	50	10	08/08/23 20:47	
cis-1,2-Dichloroethene	50 U	50	10	08/08/23 20:47	
cis-1,3-Dichloropropene	50 U	50	10	08/08/23 20:47	
m,p-Xylenes	50 U	50	10	08/08/23 20:47	
o-Xylene	50 U	50	10	08/08/23 20:47	
trans-1,2-Dichloroethene	50 U	50	10	08/08/23 20:47	
trans-1,3-Dichloropropene	50 U	50	10	08/08/23 20:47	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	96	85 - 122	08/08/23 20:47	
Dibromofluoromethane	100	80 - 116	08/08/23 20:47	
Toluene-d8	101	87 - 121	08/08/23 20:47	

Analytical Report

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2306651
Project:	RTP/190500390.465	**Date Collected:**	07/26/23 13:57
Sample Matrix:	Water	**Date Received:**	07/26/23 16:12
Sample Name:	RTP-MW212-GW	**Units:**	ug/L
Lab Code:	R2306651-008	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	08/05/23 19:34	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	08/05/23 19:34	
1,1,2-Trichloroethane	5.0 U	5.0	1	08/05/23 19:34	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	08/05/23 19:34	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	08/05/23 19:34	
1,2-Dichloroethane	5.0 U	5.0	1	08/05/23 19:34	
1,2-Dichloropropane	5.0 U	5.0	1	08/05/23 19:34	
2-Butanone (MEK)	10 U	10	1	08/05/23 19:34	
2-Hexanone	10 U	10	1	08/05/23 19:34	
4-Methyl-2-pentanone	10 U	10	1	08/05/23 19:34	
Acetone	10 U	10	1	08/05/23 19:34	
Benzene	5.0 U	5.0	1	08/05/23 19:34	
Bromodichloromethane	5.0 U	5.0	1	08/05/23 19:34	
Bromoform	5.0 U	5.0	1	08/05/23 19:34	
Bromomethane	5.0 U	5.0	1	08/05/23 19:34	
Carbon Disulfide	10 U	10	1	08/05/23 19:34	
Carbon Tetrachloride	5.0 U	5.0	1	08/05/23 19:34	
Chlorobenzene	5.0 U	5.0	1	08/05/23 19:34	
Chloroethane	5.0 U	5.0	1	08/05/23 19:34	
Chloroform	5.0 U	5.0	1	08/05/23 19:34	
Chloromethane	5.0 U	5.0	1	08/05/23 19:34	
Dibromochloromethane	5.0 U	5.0	1	08/05/23 19:34	
Dichloromethane	5.0 U	5.0	1	08/05/23 19:34	
Ethylbenzene	5.0 U	5.0	1	08/05/23 19:34	
Styrene	5.0 U	5.0	1	08/05/23 19:34	
Tetrachloroethene (PCE)	5.0 U	5.0	1	08/05/23 19:34	
Toluene	5.0 U	5.0	1	08/05/23 19:34	
Trichloroethene (TCE)	**6.8**	5.0	1	08/05/23 19:34	
Vinyl Chloride	5.0 U	5.0	1	08/05/23 19:34	
cis-1,2-Dichloroethene	5.0 U	5.0	1	08/05/23 19:34	
cis-1,3-Dichloropropene	5.0 U	5.0	1	08/05/23 19:34	
m,p-Xylenes	5.0 U	5.0	1	08/05/23 19:34	
o-Xylene	5.0 U	5.0	1	08/05/23 19:34	
trans-1,2-Dichloroethene	5.0 U	5.0	1	08/05/23 19:34	
trans-1,3-Dichloropropene	5.0 U	5.0	1	08/05/23 19:34	

Analytical Report

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2306651
Project:	RTP/190500390.465	**Date Collected:**	07/26/23 13:57
Sample Matrix:	Water	**Date Received:**	07/26/23 16:12
Sample Name:	RTP-MW212-GW	**Units:**	ug/L
Lab Code:	R2306651-008	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	85 - 122	08/05/23 19:34	
Dibromofluoromethane	103	80 - 116	08/05/23 19:34	
Toluene-d8	105	87 - 121	08/05/23 19:34	

Analytical Report

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2306651
Project:	RTP/190500390.465	**Date Collected:**	07/26/23 15:15
Sample Matrix:	Water	**Date Received:**	07/26/23 16:12
Sample Name:	RTP-MW213-GW	**Units:**	ug/L
Lab Code:	R2306651-009	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	08/05/23 19:57	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	08/05/23 19:57	
1,1,2-Trichloroethane	5.0 U	5.0	1	08/05/23 19:57	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	08/05/23 19:57	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	08/05/23 19:57	
1,2-Dichloroethane	5.0 U	5.0	1	08/05/23 19:57	
1,2-Dichloropropane	5.0 U	5.0	1	08/05/23 19:57	
2-Butanone (MEK)	10 U	10	1	08/05/23 19:57	
2-Hexanone	10 U	10	1	08/05/23 19:57	
4-Methyl-2-pentanone	10 U	10	1	08/05/23 19:57	
Acetone	10 U	10	1	08/05/23 19:57	
Benzene	5.0 U	5.0	1	08/05/23 19:57	
Bromodichloromethane	5.0 U	5.0	1	08/05/23 19:57	
Bromoform	5.0 U	5.0	1	08/05/23 19:57	
Bromomethane	5.0 U	5.0	1	08/05/23 19:57	
Carbon Disulfide	10 U	10	1	08/05/23 19:57	
Carbon Tetrachloride	5.0 U	5.0	1	08/05/23 19:57	
Chlorobenzene	5.0 U	5.0	1	08/05/23 19:57	
Chloroethane	5.0 U	5.0	1	08/05/23 19:57	
Chloroform	5.0 U	5.0	1	08/05/23 19:57	
Chloromethane	5.0 U	5.0	1	08/05/23 19:57	
Dibromochloromethane	5.0 U	5.0	1	08/05/23 19:57	
Dichloromethane	5.0 U	5.0	1	08/05/23 19:57	
Ethylbenzene	5.0 U	5.0	1	08/05/23 19:57	
Styrene	5.0 U	5.0	1	08/05/23 19:57	
Tetrachloroethene (PCE)	5.0 U	5.0	1	08/05/23 19:57	
Toluene	5.0 U	5.0	1	08/05/23 19:57	
Trichloroethene (TCE)	5.0 U	5.0	1	08/05/23 19:57	
Vinyl Chloride	5.0 U	5.0	1	08/05/23 19:57	
cis-1,2-Dichloroethene	5.0 U	5.0	1	08/05/23 19:57	
cis-1,3-Dichloropropene	5.0 U	5.0	1	08/05/23 19:57	
m,p-Xylenes	5.0 U	5.0	1	08/05/23 19:57	
o-Xylene	5.0 U	5.0	1	08/05/23 19:57	
trans-1,2-Dichloroethene	5.0 U	5.0	1	08/05/23 19:57	
trans-1,3-Dichloropropene	5.0 U	5.0	1	08/05/23 19:57	

Analytical Report

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2306651
Project:	RTP/190500390.465	**Date Collected:**	07/26/23 15:15
Sample Matrix:	Water	**Date Received:**	07/26/23 16:12
Sample Name:	RTP-MW213-GW	**Units:**	ug/L
Lab Code:	R2306651-009	**Basis:**	NA

Volatile Organic Compounds by GC/MS

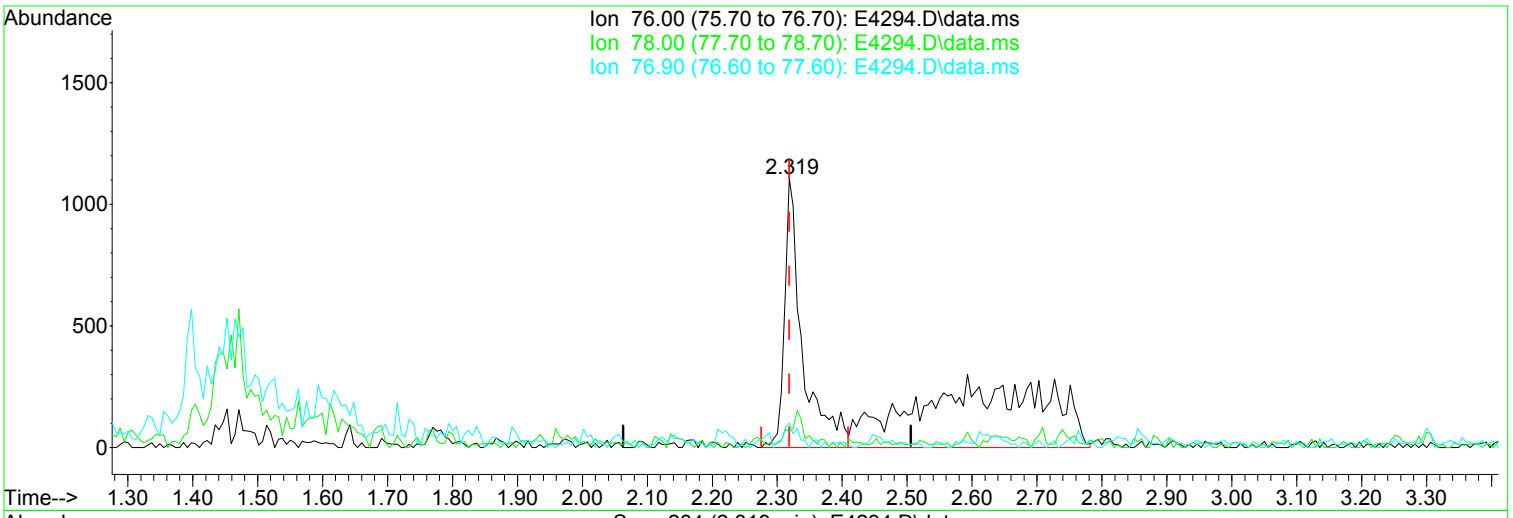
Analysis Method: 8260C
Prep Method: EPA 5030C

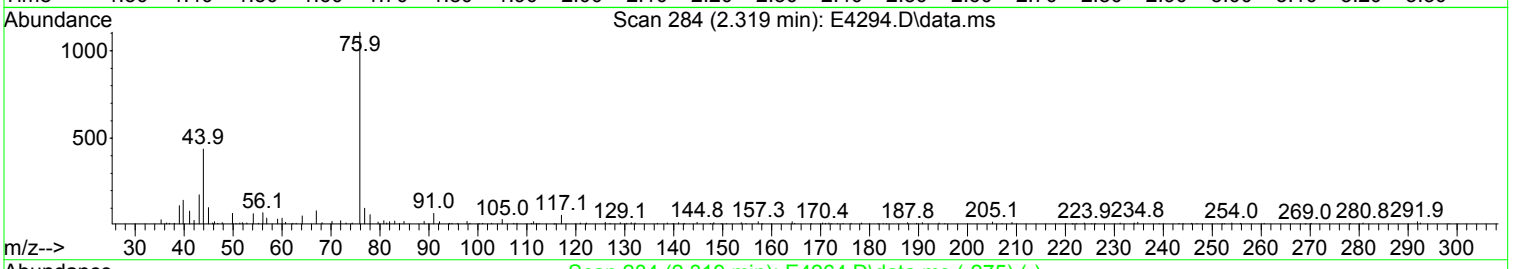
Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	93	85 - 122	08/05/23 19:57	
Dibromofluoromethane	99	80 - 116	08/05/23 19:57	
Toluene-d8	102	87 - 121	08/05/23 19:57	

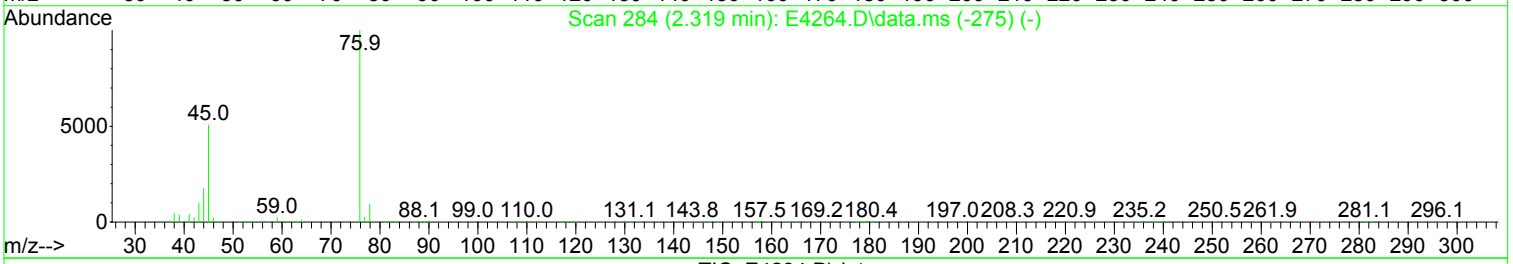
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080523\
Data File : E4294.D
Acq On : 05 Aug 2023 05:39 pm
Operator : K.Ruest
Sample : R2306651-001|1.0
Misc : STANTEC 8260 T4
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 08 09:56:01 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration







TIC: E4294.D\data.ms

(19) Carbon Disulfide (P)

2.319min (-0.000) 0.72 ug/L m

response 5944

Ion	Exp%	Act%
76.00	100.00	100.00
78.00	9.20	5.79
76.90	2.50	9.04
0.00	0.00	0.00

Manual Integration:

After

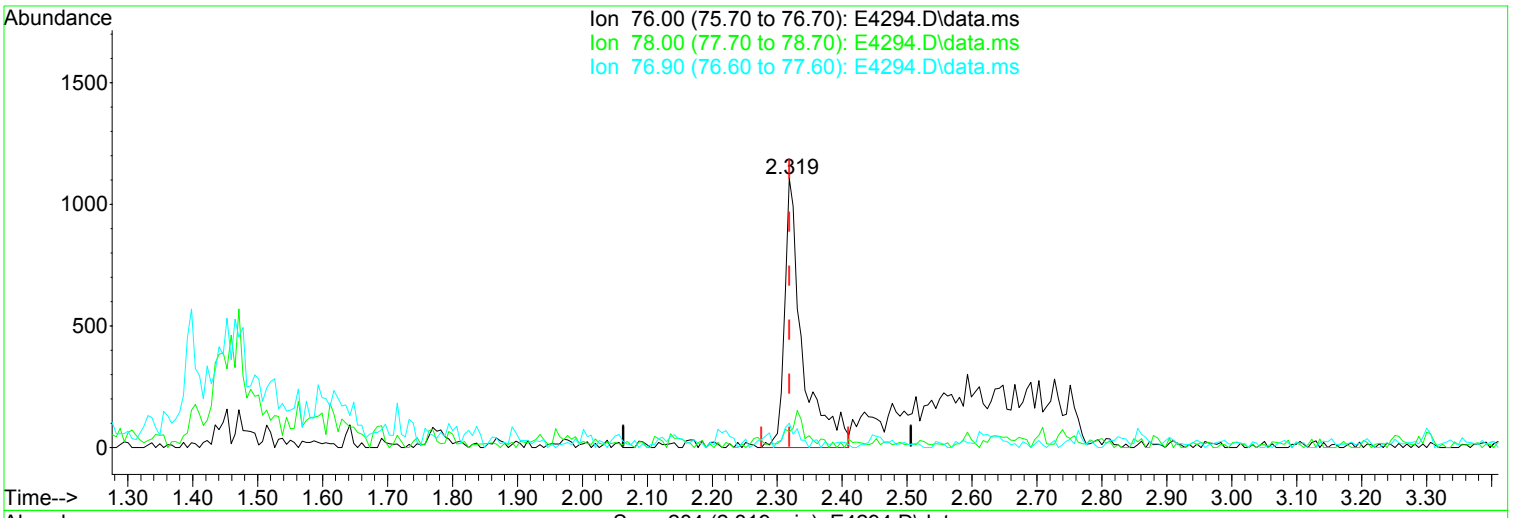
Other - so2 interference

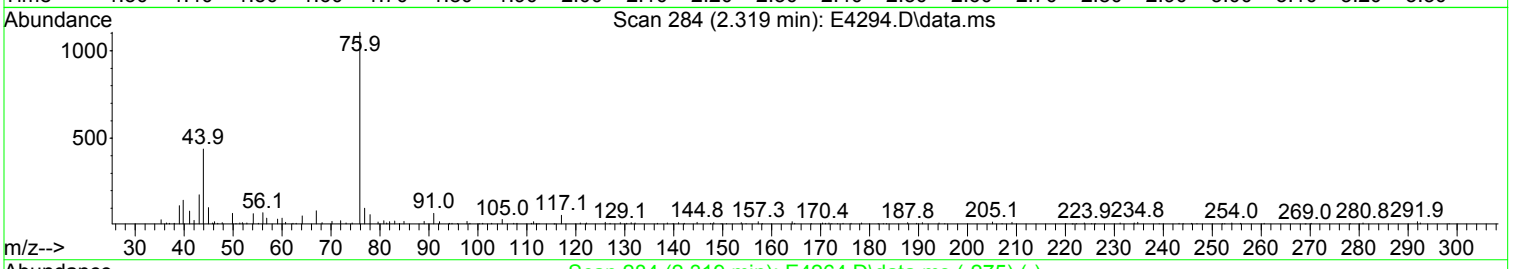
08/09/23

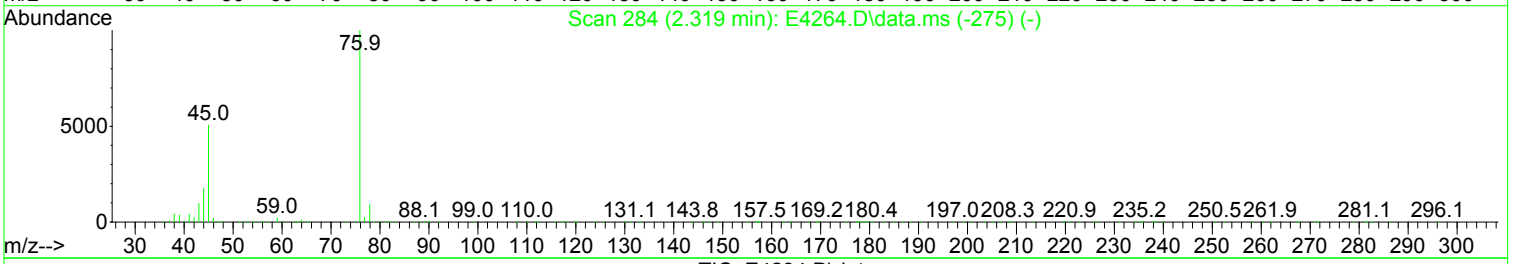
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080523\
Data File : E4294.D
Acq On : 05 Aug 2023 05:39 pm
Operator : K.Ruest
Sample : R2306651-001|1.0
Misc : STANTEC 8260 T4
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 08 09:56:01 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration







TIC: E4294.D\data.ms

(19) Carbon Disulfide (P)

2.319min (-0.000) 0.26 ug/L

response 2128

Ion	Exp%	Act%
76.00	100.00	100.00
78.00	9.20	5.79
76.90	2.50	9.04
0.00	0.00	0.00

Manual Integration:

Before

08/09/23

1st 08/09/23
2nd 08/09/23

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\080523\
Data File : E4294.D
Acq On : 05 Aug 2023 05:39 pm
Operator : K.Ruest
Sample : R2306651-001|1.0
Misc : STANTEC 8260 T4
ALS Vial : 13 Sample Multiplier: 1

repeat 25

Quant Time: Aug 08 09:56:01 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.086	168	364676	50.00	ug/L	0.00
43) 1,4-Difluorobenzene	6.245	114	531147	50.00	ug/L	0.00
71) d5-Chlorobenzene	9.622	117	482289	50.00	ug/L	0.00
91) 1,4-Dichlorobenzene-d4	11.683	152	240651	50.00	ug/L	0.00
System Monitoring Compounds						
45) surr4,Dibrflmethane	4.922	113	176658	50.29	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 100.58%			
48) surr1,1,2-dichloroetha...	5.501	65	204102	50.71	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 101.42%			
65) SURR3,Toluene-d8	8.104	98	643070	50.33	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 100.66%			
70) SURR2,BFB	10.707	95	236430	48.57	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 97.14%			
Target Compounds						Qvalue
5) Vinyl Chloride	1.282	62	1533	0.381	ug/L	79
11) Freon 123a	1.977	67	7012	2.194	ug/L	99
14) 1,1-Diclethene	2.148	96	23510	8.500	ug/L	88
16) Acetone	2.203	43	1485	0.878	ug/L	81
19) Carbon Disulfide	2.319	76	5944m	0.724	ug/L	
27) trans-1,2-Dichloroethene	2.837	96	243856	77.753	ug/L	99
28) 1,1-Diclethane	3.306	63	224610	45.101	ug/L	99
34) cis-1,2-Dichloroethene	4.099	96	191242	55.622	ug/L #	83
54) Trichloroethene	6.580	130	6465348	1807.839	ug/L	97

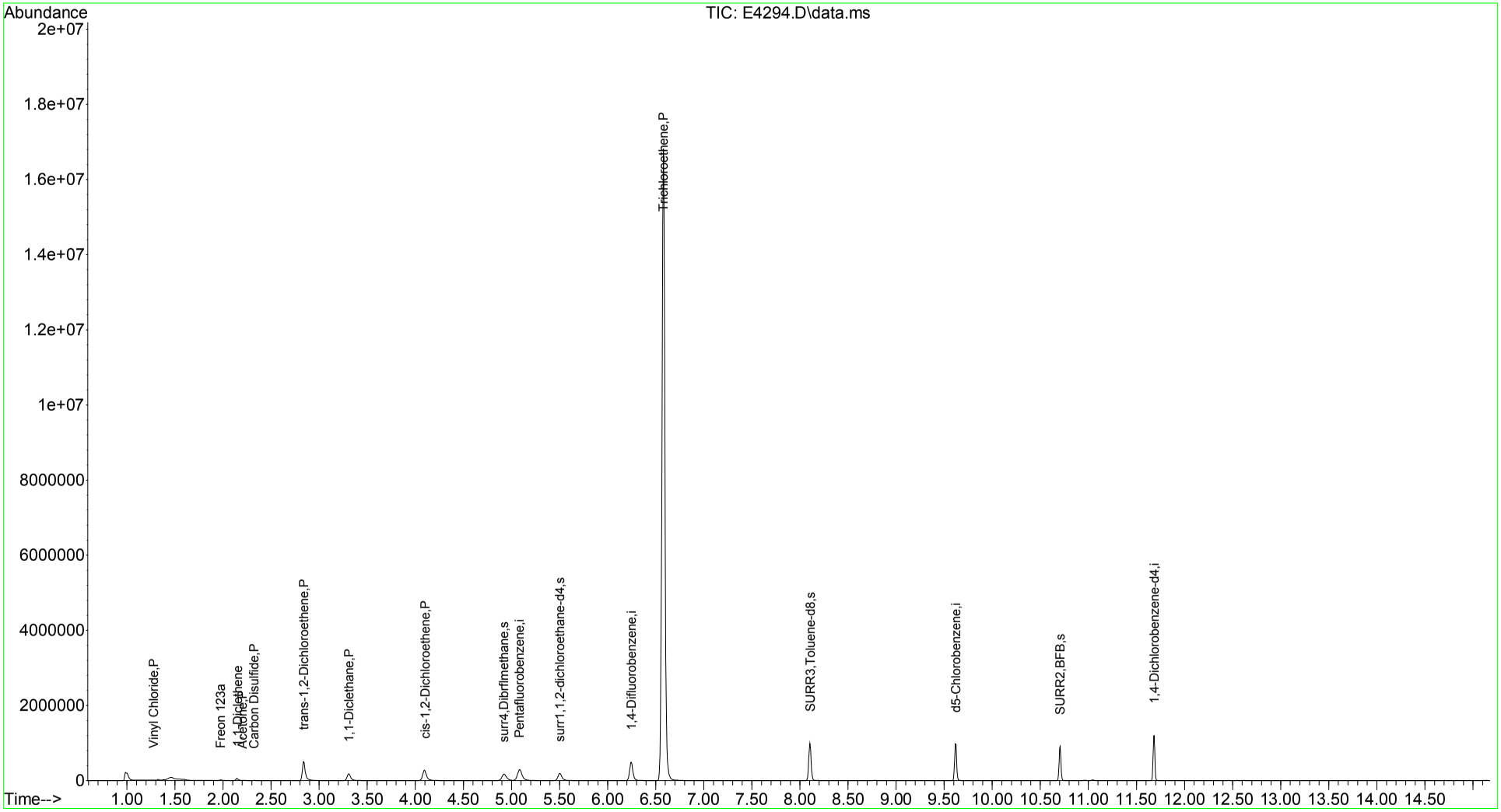
E-Over Calibration

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

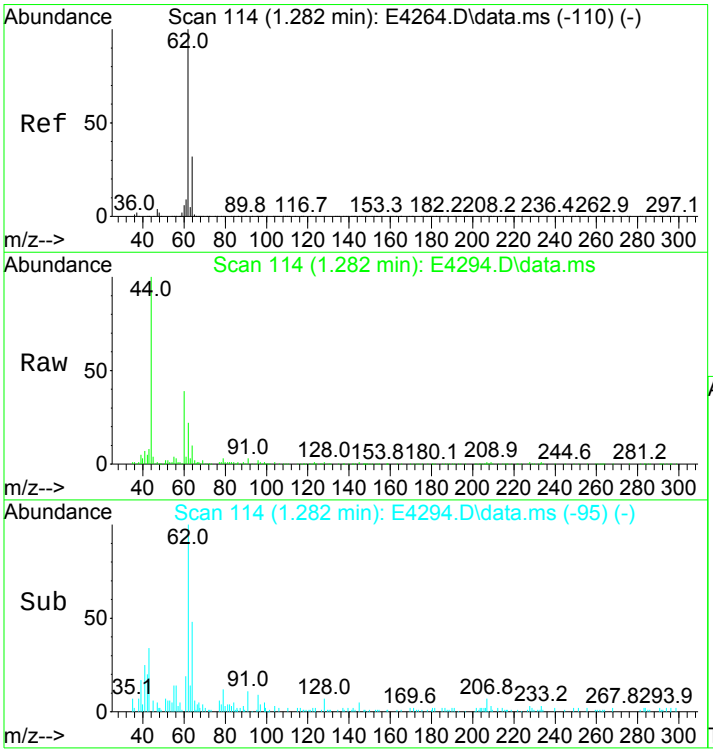
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\080523\
Data File : E4294.D
Acq On : 05 Aug 2023 05:39 pm
Operator : K.Ruest
Sample : R2306651-001|1.0
Misc : STANTEC 8260 T4
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 08 09:56:01 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration



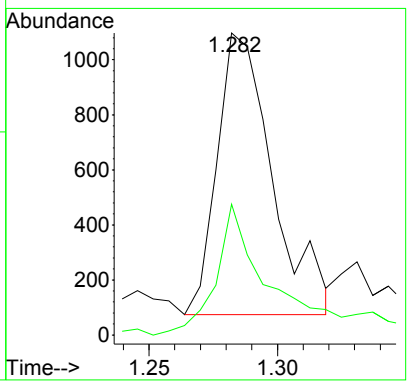
1st 08/09/23
2nd 08/09/23

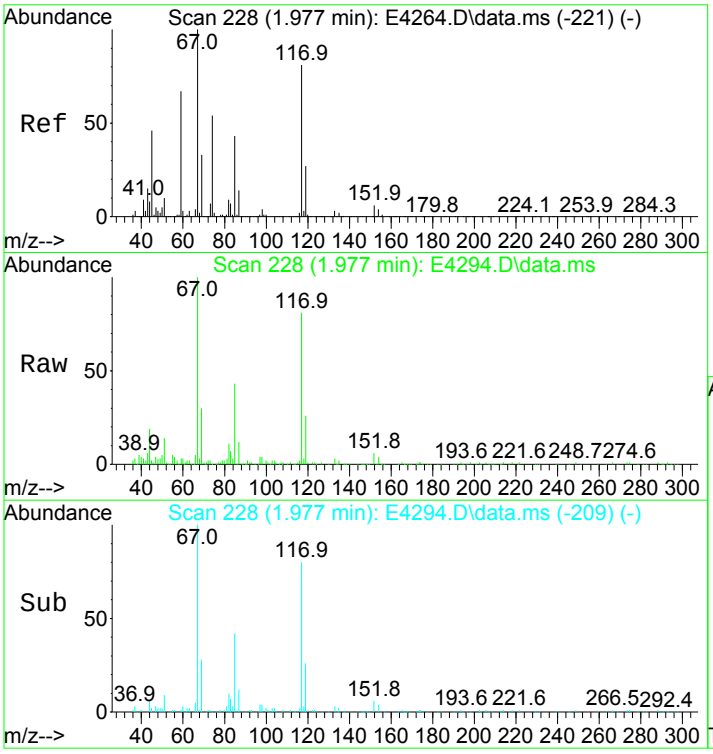


#5
Vinyl Chloride
Concen: 0.38 ug/L
RT: 1.282 min Scan# 114
Delta R.T. -0.000 min
Lab File: E4294.D
Acq: 05 Aug 2023 05:39 pm

Tgt Ion: 62 Resp: 1533

Ion	Ratio	Lower	Upper
62	100		
64	43.3	11.7	51.7

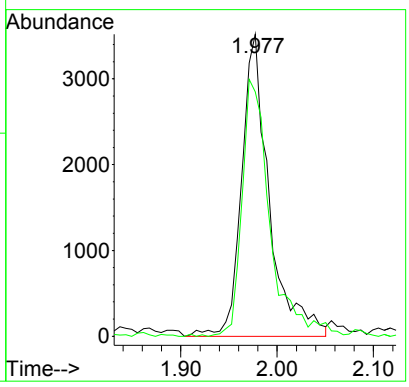


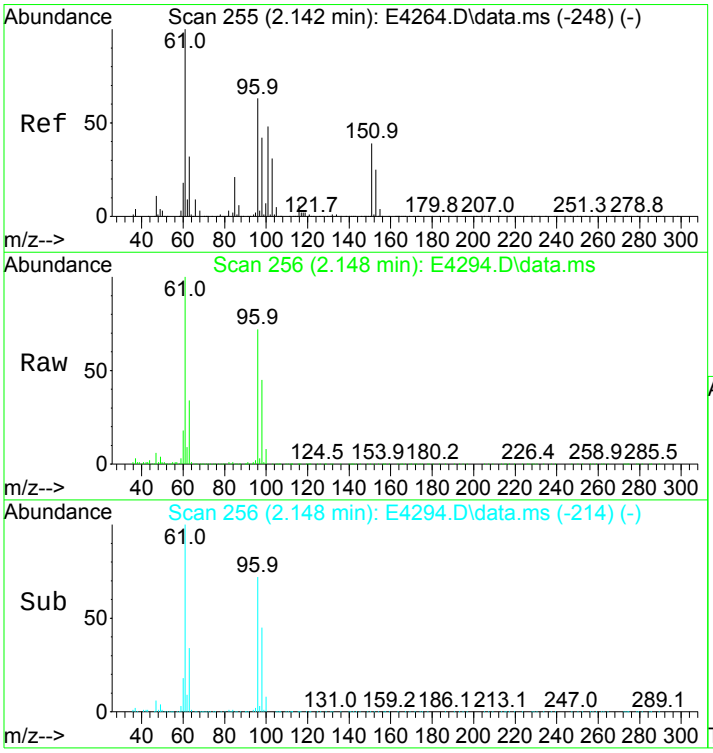


#11
Freon 123a
Concen: 2.19 ug/L
RT: 1.977 min Scan# 228
Delta R.T. -0.000 min
Lab File: E4294.D
Acq: 05 Aug 2023 05:39 pm

Tgt Ion: 67 Resp: 7012

Ion	Ratio	Lower	Upper
67	100		
117	80.9	61.9	101.9

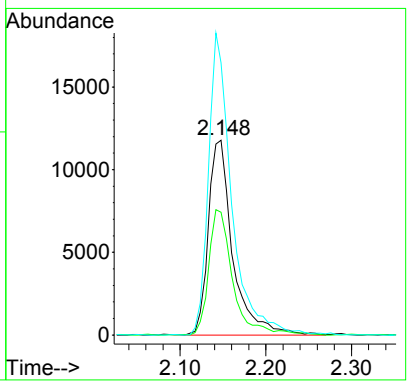


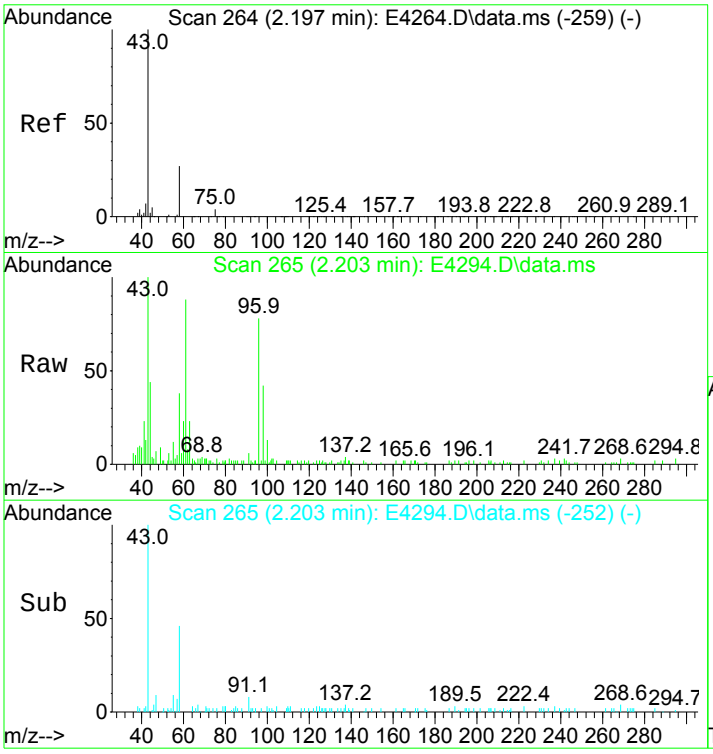


#14
1,1-Diclethene
Concen: 8.50 ug/L
RT: 2.148 min Scan# 256
Delta R.T. 0.006 min
Lab File: E4294.D
Acq: 05 Aug 2023 05:39 pm

Tgt Ion: 96 Resp: 23510

Ion	Ratio	Lower	Upper
96	100		
98	63.0	47.0	87.0
61	139.7	138.7	178.7

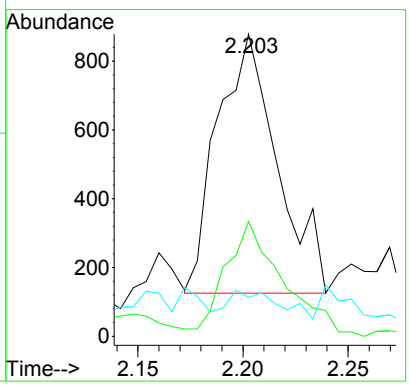


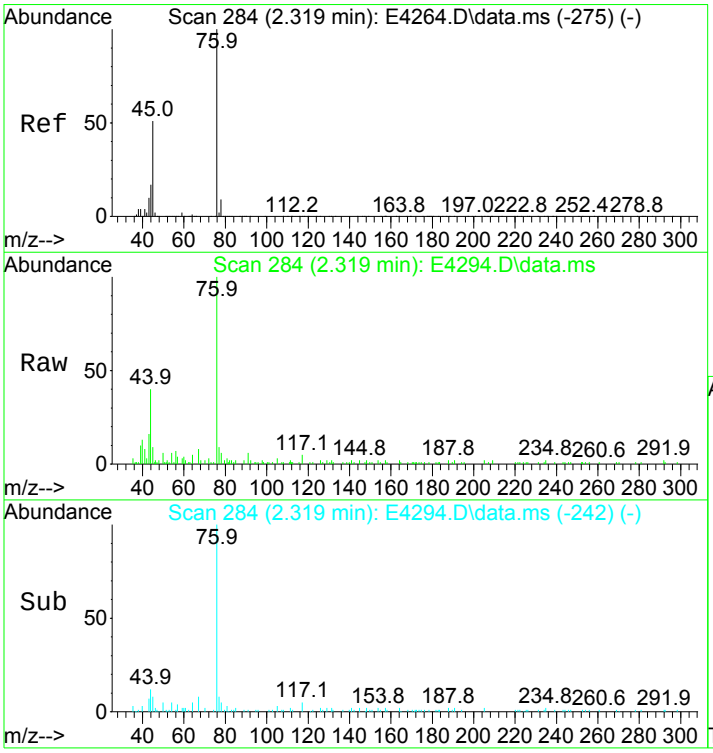


#16
Acetone
Concen: 0.88 ug/L
RT: 2.203 min Scan# 265
Delta R.T. 0.006 min
Lab File: E4294.D
Acq: 05 Aug 2023 05:39 pm

Tgt Ion: 43 Resp: 1485

Ion	Ratio	Lower	Upper
43	100		
58	38.0	7.7	47.7
42	13.0	0.0	27.6

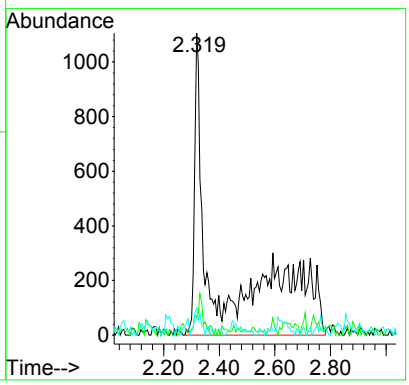


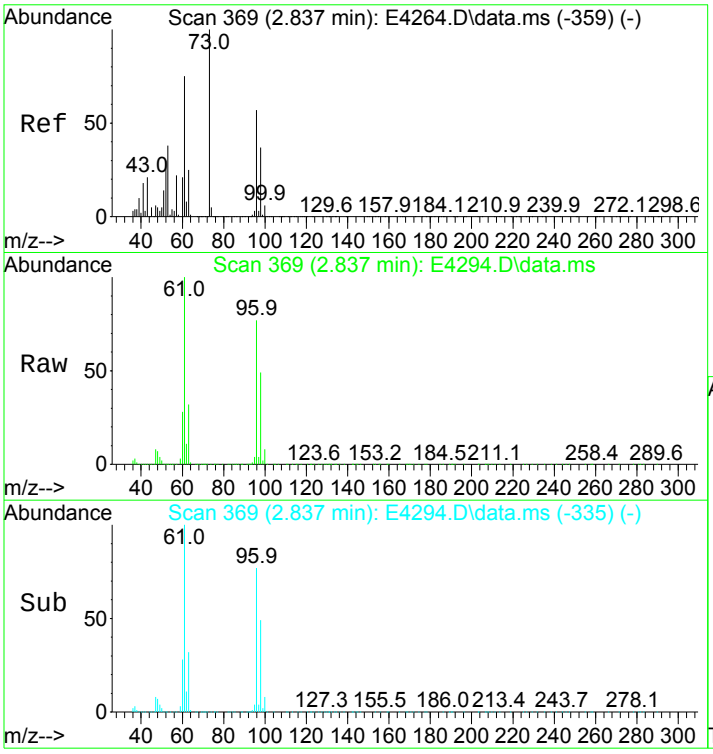


#19
Carbon Disulfide
Concen: 0.72 ug/L m
RT: 2.319 min Scan# 284
Delta R.T. -0.000 min
Lab File: E4294.D
Acq: 05 Aug 2023 05:39 pm

Tgt Ion: 76 Resp: 5944

Ion	Ratio	Lower	Upper
76	100		
78	5.8	0.0	29.2
77	9.0	0.0	22.5

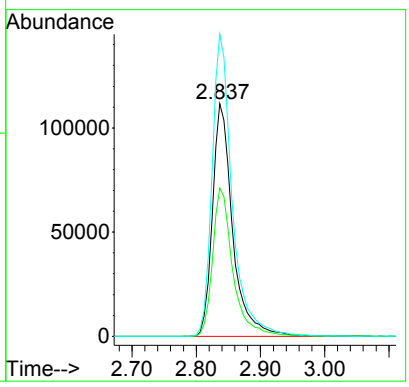


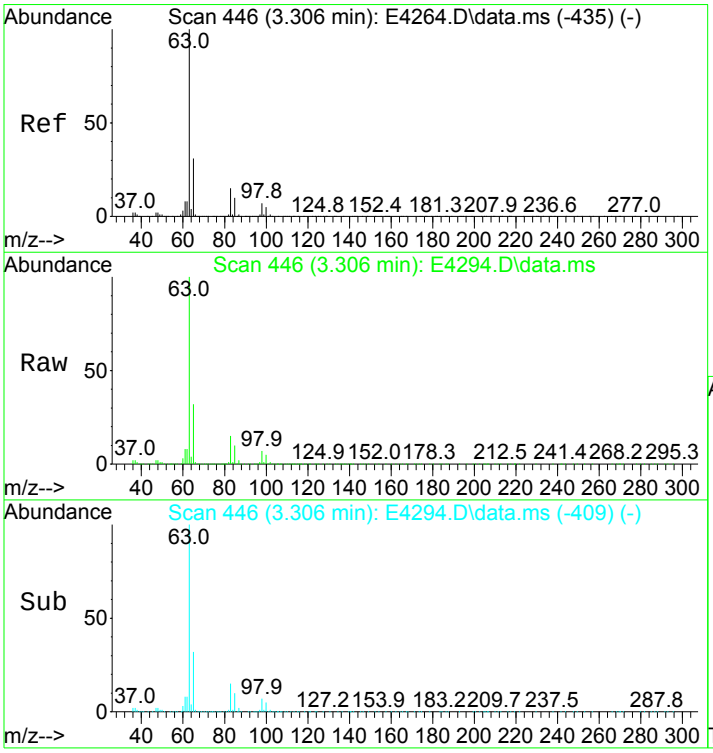


#27
trans-1,2-Dichloroethene
Concen: 77.75 ug/L
RT: 2.837 min Scan# 369
Delta R.T. -0.000 min
Lab File: E4294.D
Acq: 05 Aug 2023 05:39 pm

Tgt Ion: 96 Resp: 243856

Ion	Ratio	Lower	Upper
96	100		
98	63.6	44.5	84.5
61	129.8	111.6	151.6

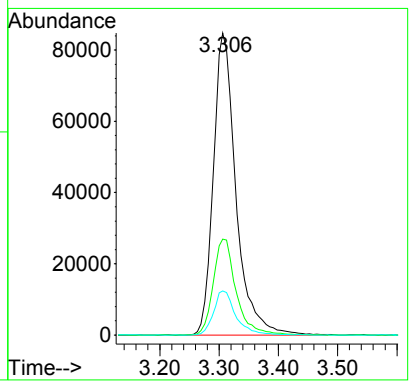


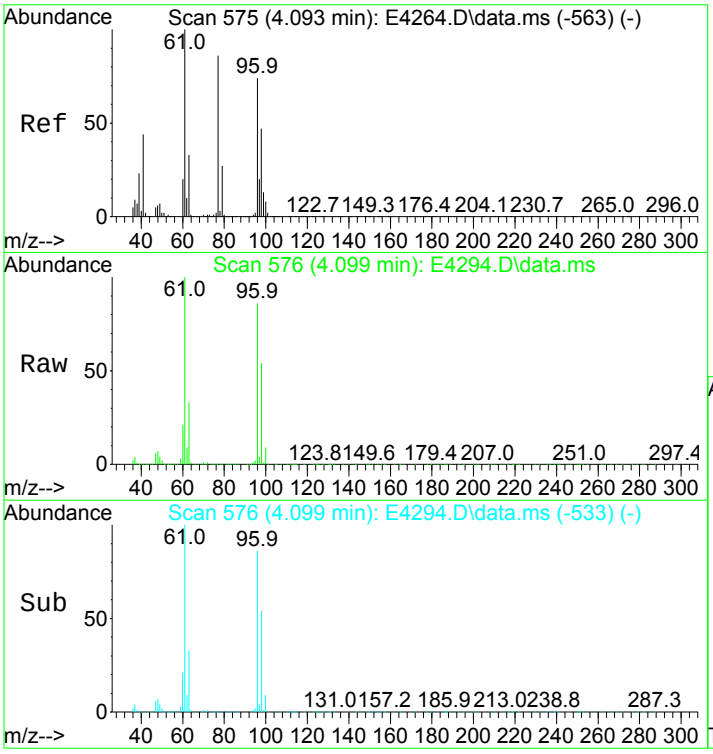


#28
1,1-Diclethane
Concen: 45.10 ug/L
RT: 3.306 min Scan# 446
Delta R.T. -0.000 min
Lab File: E4294.D
Acq: 05 Aug 2023 05:39 pm

Tgt Ion: 63 Resp: 224610

Ion	Ratio	Lower	Upper
63	100		
65	31.8	11.1	51.1
83	14.6	0.0	34.8

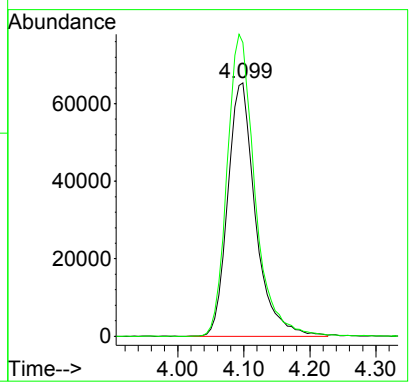


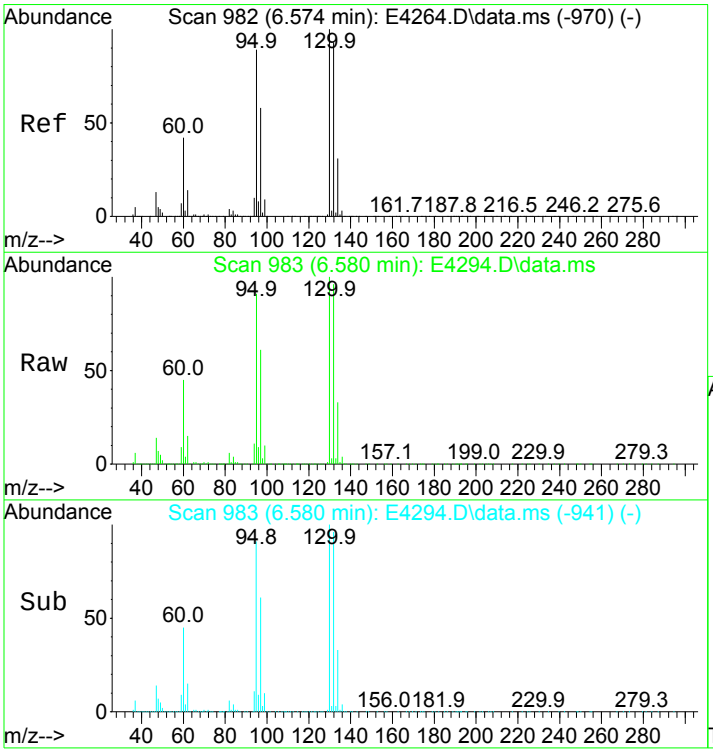


#34
cis-1,2-Dichloroethene
Concen: 55.62 ug/L
RT: 4.099 min Scan# 576
Delta R.T. 0.006 min
Lab File: E4294.D
Acq: 05 Aug 2023 05:39 pm

Tgt Ion: 96 Resp: 191242

Ion	Ratio	Lower	Upper
96	100		
61	115.9	116.1	156.1#

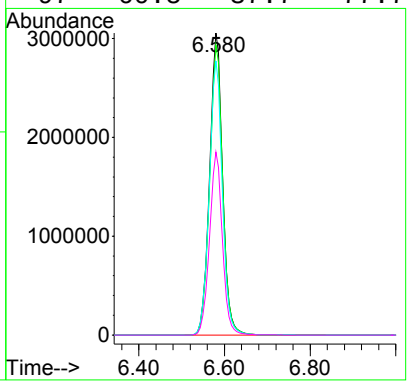




#54
Trichloroethene
Concen: 1807.84 ug/L
RT: 6.580 min Scan# 983
Delta R.T. 0.006 min
Lab File: E4294.D
Acq: 05 Aug 2023 05:39 pm

Tgt Ion:130 Resp: 6465348

Ion	Ratio	Lower	Upper
130	100		
132	96.0	73.0	113.0
95	90.8	68.9	108.9
97	60.5	37.7	77.7



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\080823\
Data File : E4332.D
Acq On : 08 Aug 2023 08:01 pm
Operator : K.Ruest
Sample : R2306651-001|25
Misc : STANTEC 8260 T4
ALS Vial : 21 Sample Multiplier: 1

DL

Quant Time: Aug 09 10:10:45 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration

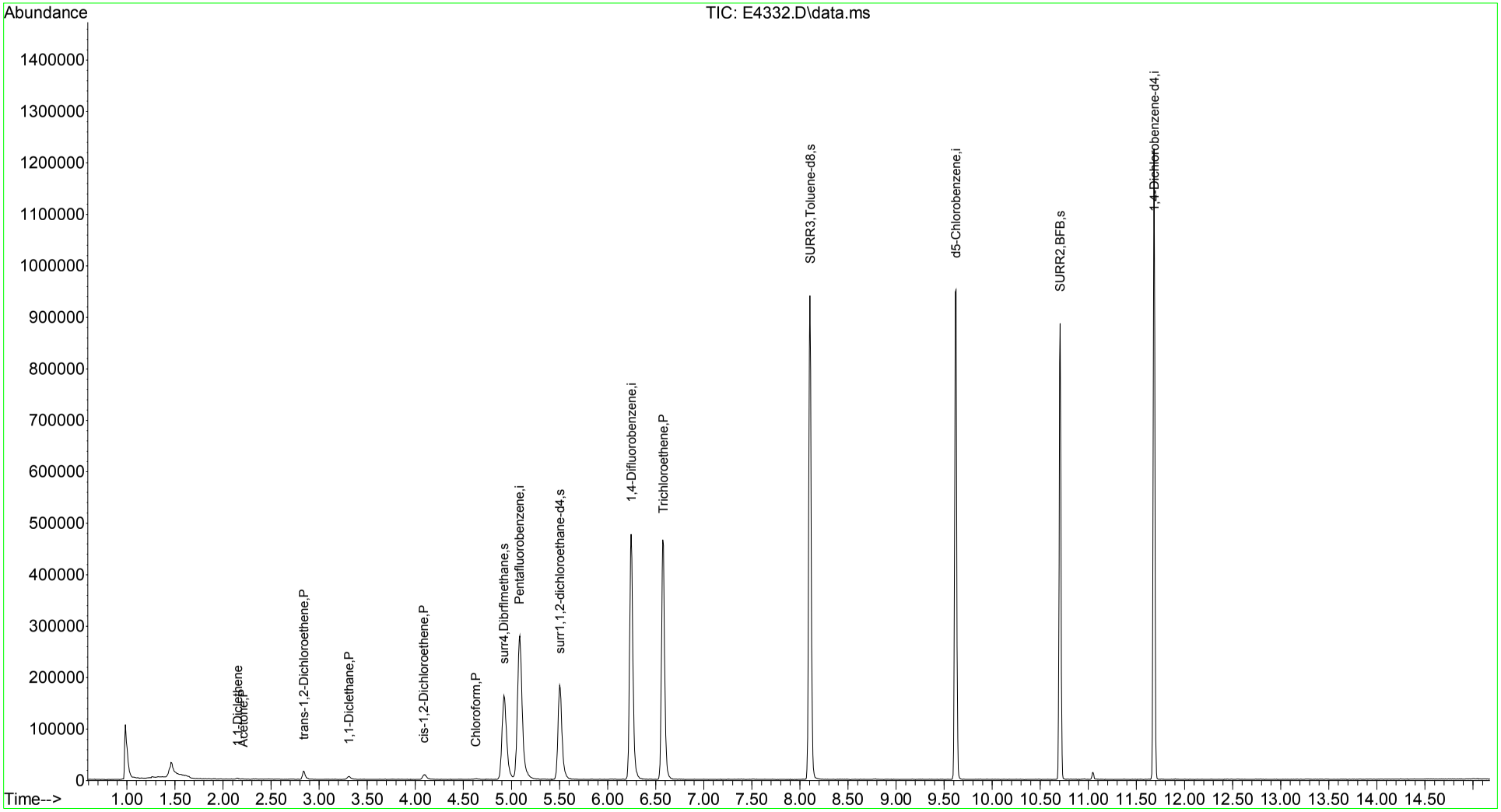
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.086	168	350287	50.00	ug/L	0.00
43) 1,4-Difluorobenzene	6.245	114	514191	50.00	ug/L	0.00
71) d5-Chlorobenzene	9.622	117	466680	50.00	ug/L	0.00
91) 1,4-Dichlorobenzene-d4	11.683	152	235663	50.00	ug/L	0.00
System Monitoring Compounds						
45) surr4,Dibrflmethane	4.922	113	167516	49.26	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 98.52%			
48) surr1,1,2-dichloroetha...	5.501	65	197060	50.58	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 101.16%			
65) SURR3,Toluene-d8	8.104	98	623413	50.40	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 100.80%			
70) SURR2,BFB	10.707	95	225954	47.94	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 95.88%			
Target Compounds						Qvalue
14) 1,1-Diclethene	2.148	96	845	0.318	ug/L #	69
16) Acetone	2.209	43	742	0.457	ug/L	91
27) trans-1,2-Dichloroethene	2.843	96	7719	2.562	ug/L	94
28) 1,1-Diclethane	3.312	63	7323	1.531	ug/L	99
34) cis-1,2-Dichloroethene	4.087	96	6816	2.064	ug/L #	70
40) Chloroform	4.629	83	1278	0.236	ug/L #	72
54) Trichloroethene	6.580	130	196138	56.653	ug/L	96

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

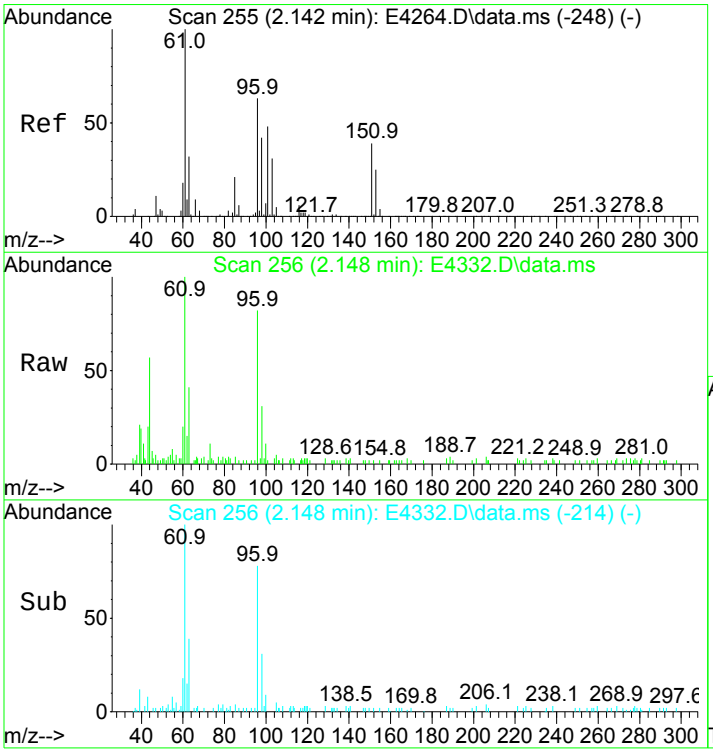
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\080823\
Data File : E4332.D
Acq On : 08 Aug 2023 08:01 pm
Operator : K.Ruest
Sample : R2306651-001|25
Misc : STANTEC 8260 T4
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Aug 09 10:10:45 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration



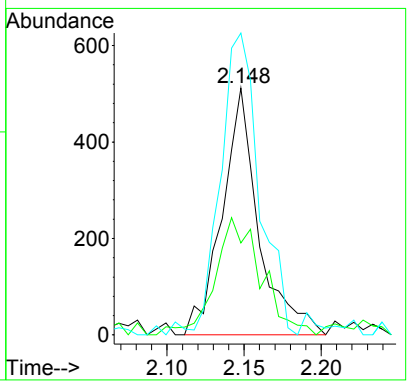
1st 08/09/23
2nd 08/09/23

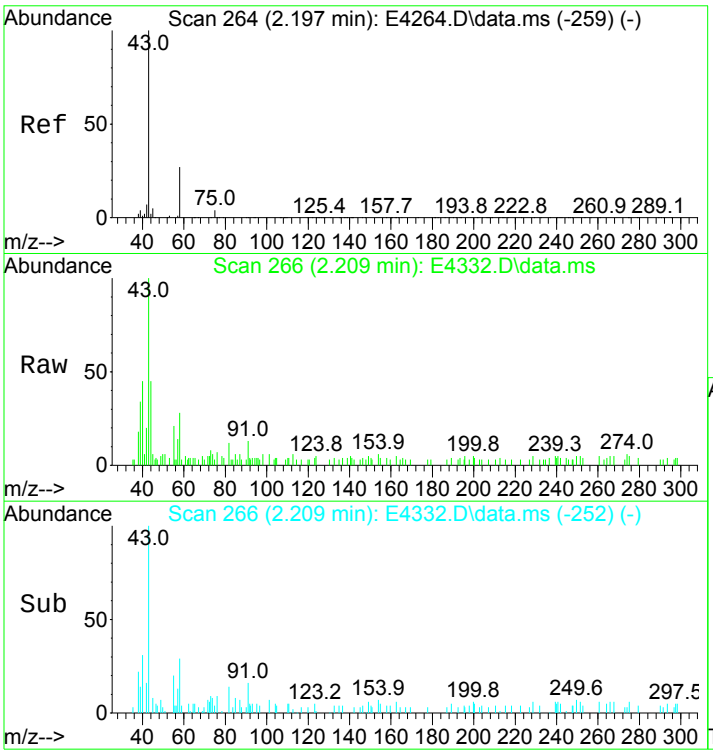


#14
1,1-Diclethene
Concen: 0.32 ug/L
RT: 2.148 min Scan# 256
Delta R.T. 0.006 min
Lab File: E4332.D
Acq: 08 Aug 2023 08:01 pm

Tgt Ion: 96 Resp: 845

Ion	Ratio	Lower	Upper
96	100		
98	37.3	47.0	87.0#
61	122.3	138.7	178.7#

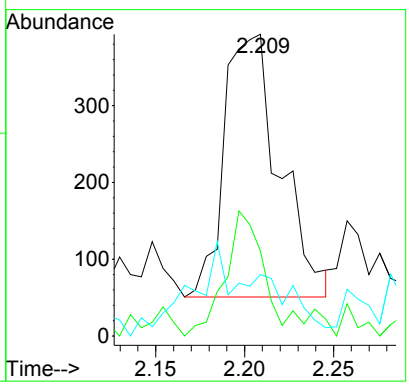


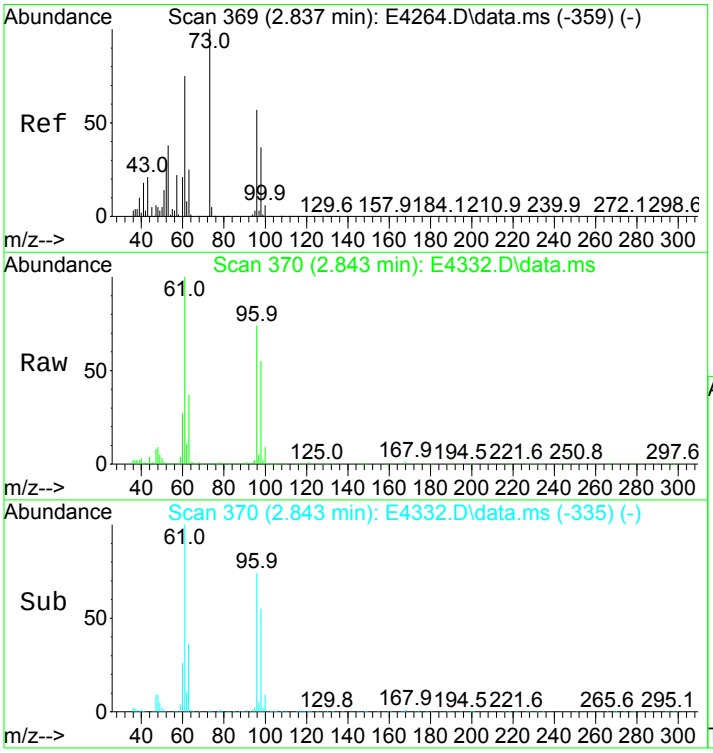


#16
Acetone
Concen: 0.46 ug/L
RT: 2.209 min Scan# 266
Delta R.T. 0.012 min
Lab File: E4332.D
Acq: 08 Aug 2023 08:01 pm

Tgt Ion: 43 Resp: 742

Ion	Ratio	Lower	Upper
43	100		
58	28.2	7.7	47.7
42	20.4	0.0	27.6

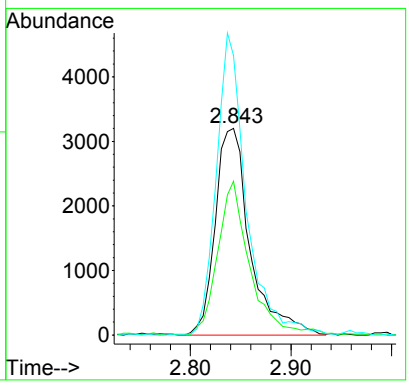


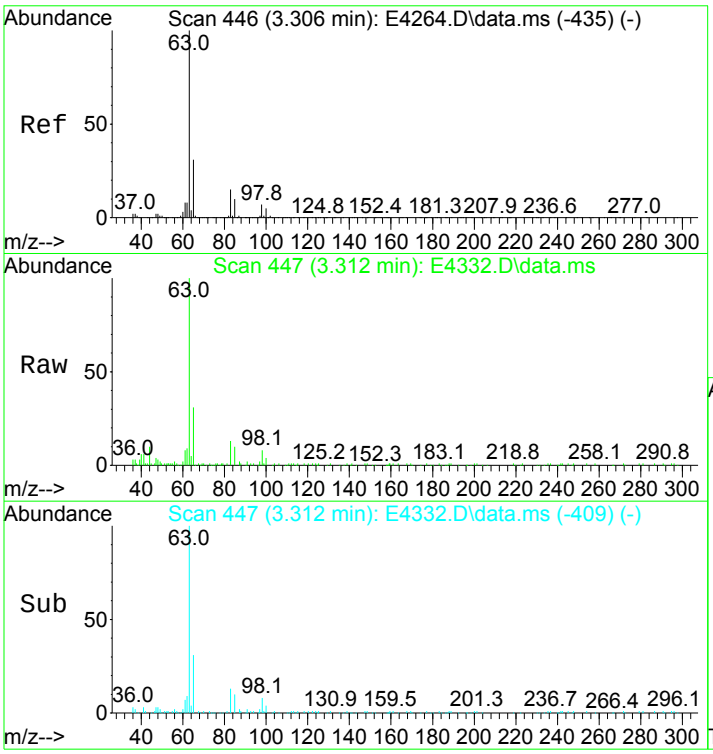


#27
trans-1,2-Dichloroethene
Concen: 2.56 ug/L
RT: 2.843 min Scan# 370
Delta R.T. 0.006 min
Lab File: E4332.D
Acq: 08 Aug 2023 08:01 pm

Tgt Ion: 96 Resp: 7719

Ion	Ratio	Lower	Upper
96	100		
98	74.3	44.5	84.5
61	135.2	111.6	151.6

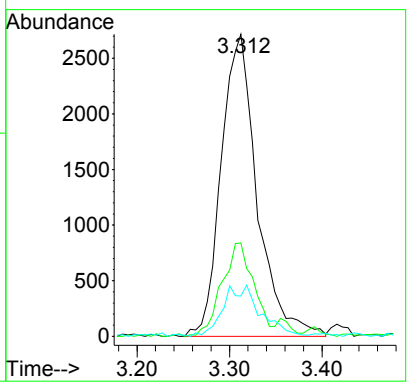


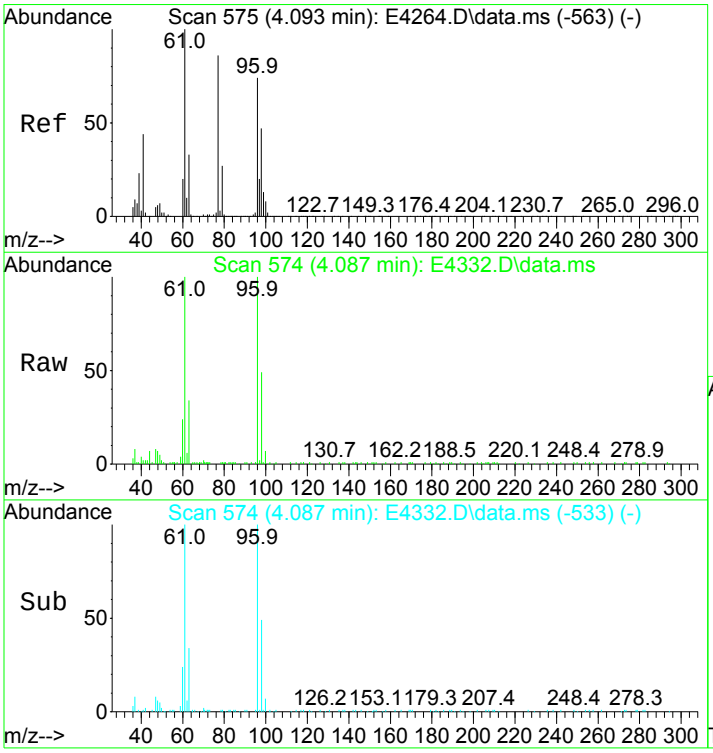


#28
1,1-Diclethane
Concen: 1.53 ug/L
RT: 3.312 min Scan# 447
Delta R.T. 0.006 min
Lab File: E4332.D
Acq: 08 Aug 2023 08:01 pm

Tgt Ion: 63 Resp: 7323

Ion	Ratio	Lower	Upper
63	100		
65	30.9	11.1	51.1
83	13.3	0.0	34.8

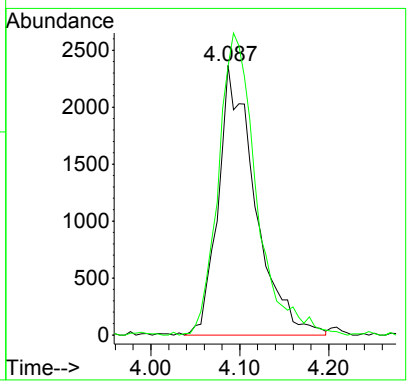


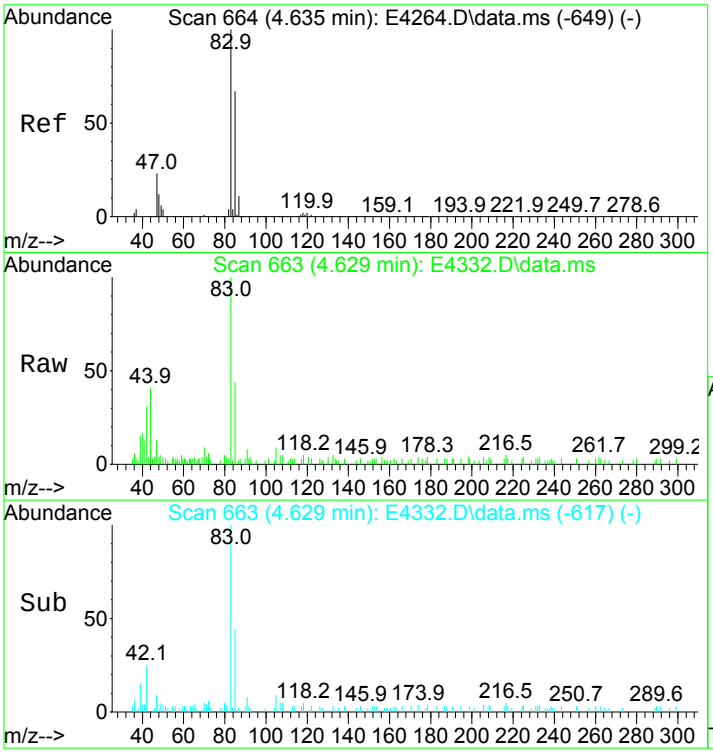


#34
cis-1,2-Dichloroethene
Concen: 2.06 ug/L
RT: 4.087 min Scan# 574
Delta R.T. -0.006 min
Lab File: E4332.D
Acq: 08 Aug 2023 08:01 pm

Tgt Ion: 96 Resp: 6816

Ion	Ratio	Lower	Upper
96	100		
61	99.7	116.1	156.1#

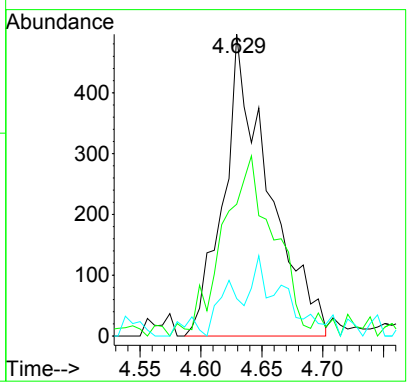


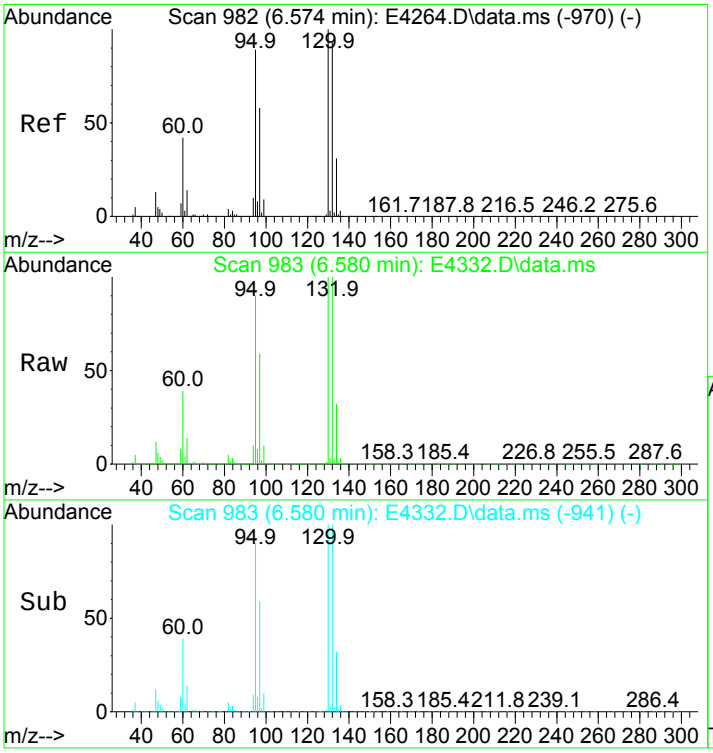


#40
Chloroform
Concen: 0.24 ug/L
RT: 4.629 min Scan# 663
Delta R.T. -0.006 min
Lab File: E4332.D
Acq: 08 Aug 2023 08:01 pm

Tgt Ion: 83 Resp: 1278

Ion	Ratio	Lower	Upper
83	100		
85	42.8	46.5	86.5#
47	12.2	3.1	43.1

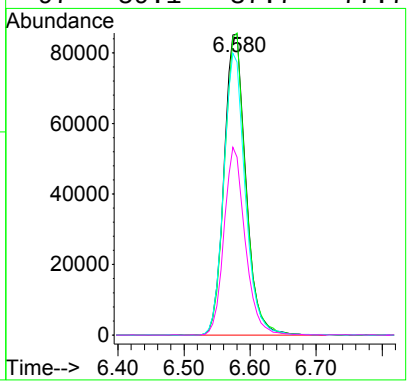




#54
Trichloroethene
Concen: 56.65 ug/L
RT: 6.580 min Scan# 983
Delta R.T. 0.006 min
Lab File: E4332.D
Acq: 08 Aug 2023 08:01 pm

Tgt Ion:130 Resp: 196138

Ion	Ratio	Lower	Upper
130	100		
132	100.3	73.0	113.0
95	90.7	68.9	108.9
97	59.1	37.7	77.7



1st 08/09/23
2nd 08/09/23

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\080523\
Data File : E4295.D
Acq On : 05 Aug 2023 06:02 pm
Operator : K.Ruest
Sample : R2306651-002|1.0
Misc : STANTEC 8260 T4
ALS Vial : 14 Sample Multiplier: 1 repeat 5.0

Quant Time: Aug 08 09:56:41 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.086	168	370548	50.00	ug/L	0.00
43) 1,4-Difluorobenzene	6.245	114	536198	50.00	ug/L	0.00
71) d5-Chlorobenzene	9.616	117	492208	50.00	ug/L	0.00
91) 1,4-Dichlorobenzene-d4	11.683	152	253472	50.00	ug/L	0.00
System Monitoring Compounds						
45) surr4,Dibrflmethane	4.922	113	181029	51.05	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 102.10%			
48) surr1,1,2-dichloroetha...	5.501	65	211168	51.97	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 103.94%			
65) SURR3,Toluene-d8	8.104	98	649855	50.38	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 100.76%			
70) SURR2,BFB	10.707	95	232039	47.21	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 94.42%			
Target Compounds						Qvalue
5) Vinyl Chloride	1.282	62	38944	9.534	ug/L	95
11) Freon 123a	1.977	67	4353	1.340	ug/L	96
14) 1,1-Diclethene	2.148	96	41700	14.838	ug/L	94
16) Acetone	2.197	43	2469	1.436	ug/L	90
27) trans-1,2-Dichloroethene	2.837	96	101557	31.868	ug/L	98
28) 1,1-Diclethane	3.306	63	113578	22.444	ug/L	99
34) cis-1,2-Dichloroethene	4.093	96	266287	76.221	ug/L	87
54) Trichloroethene	6.580	130	2864013	793.291	ug/L	98

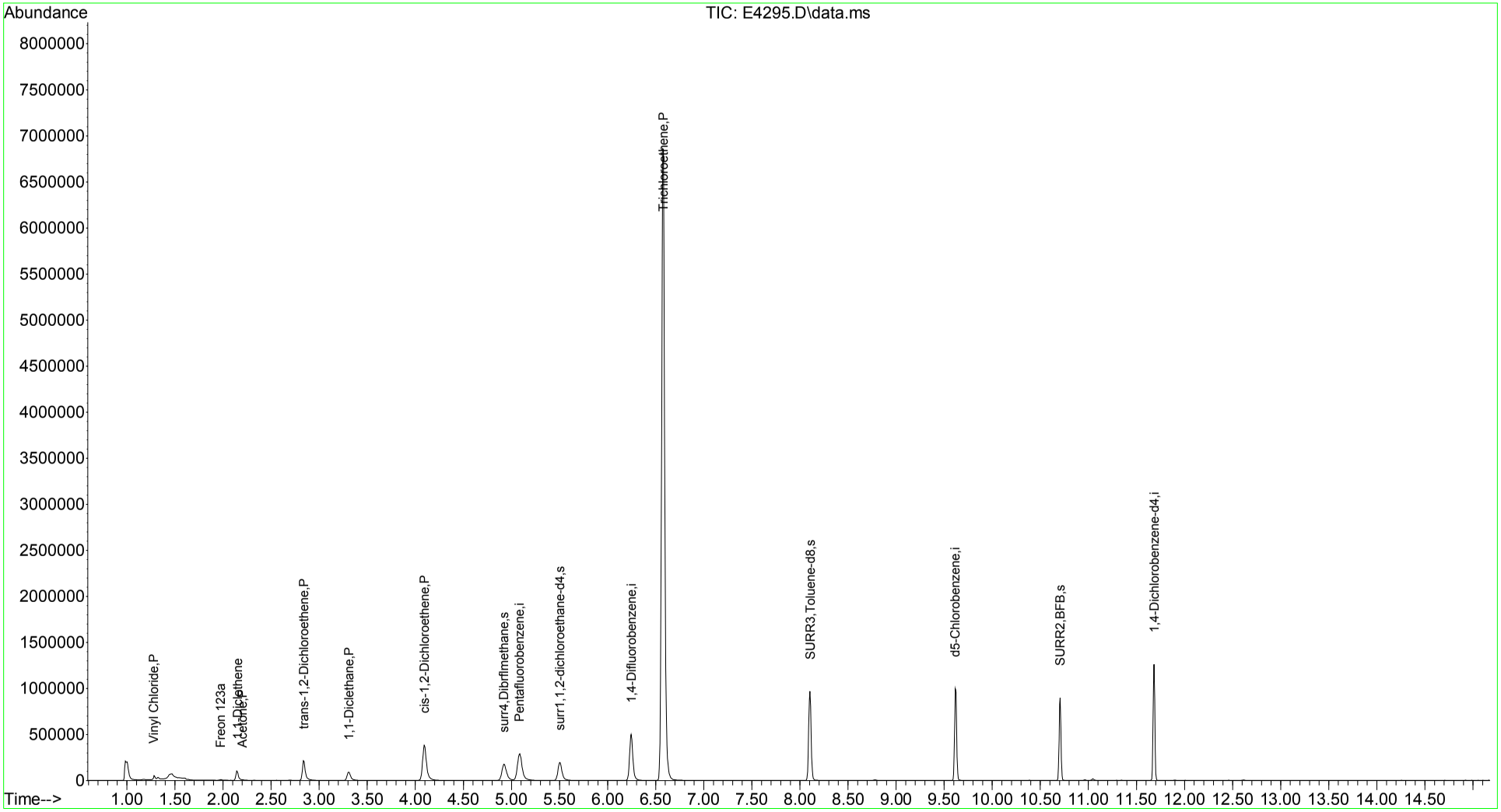
E-Over Calibration

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

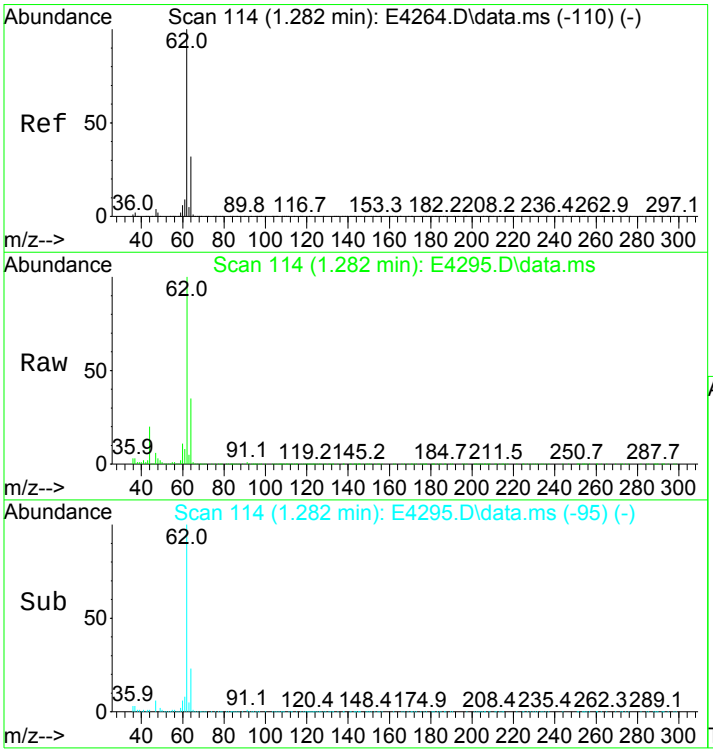
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\080523\
Data File : E4295.D
Acq On : 05 Aug 2023 06:02 pm
Operator : K.Ruest
Sample : R2306651-002|1.0
Misc : STANTEC 8260 T4
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 08 09:56:41 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration



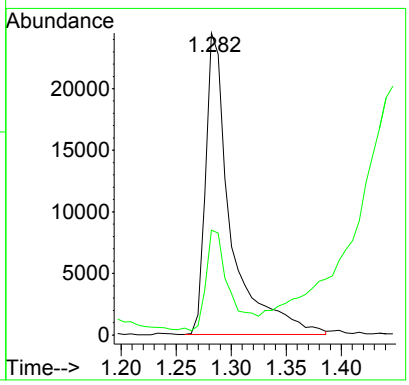
1st 08/09/23
2nd 08/09/23

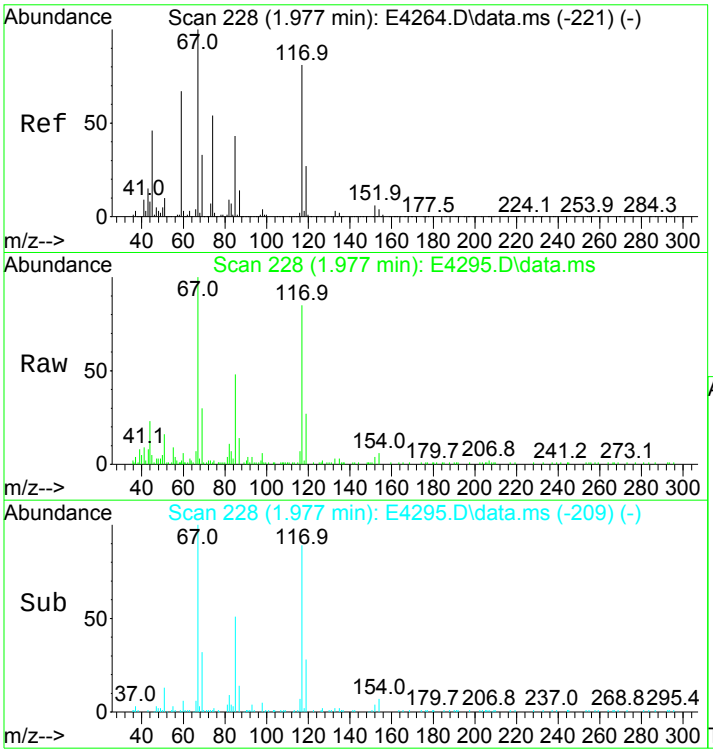


#5
Vinyl Chloride
Concen: 9.53 ug/L
RT: 1.282 min Scan# 114
Delta R.T. -0.000 min
Lab File: E4295.D
Acq: 05 Aug 2023 06:02 pm

Tgt Ion: 62 Resp: 38944

Ion	Ratio	Lower	Upper
62	100		
64	34.7	11.7	51.7

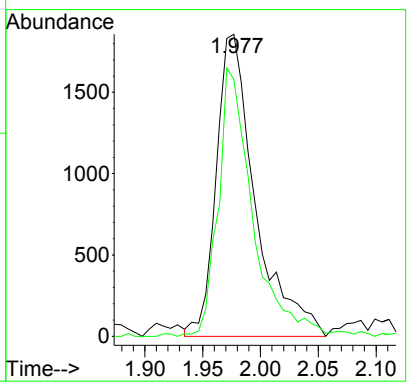


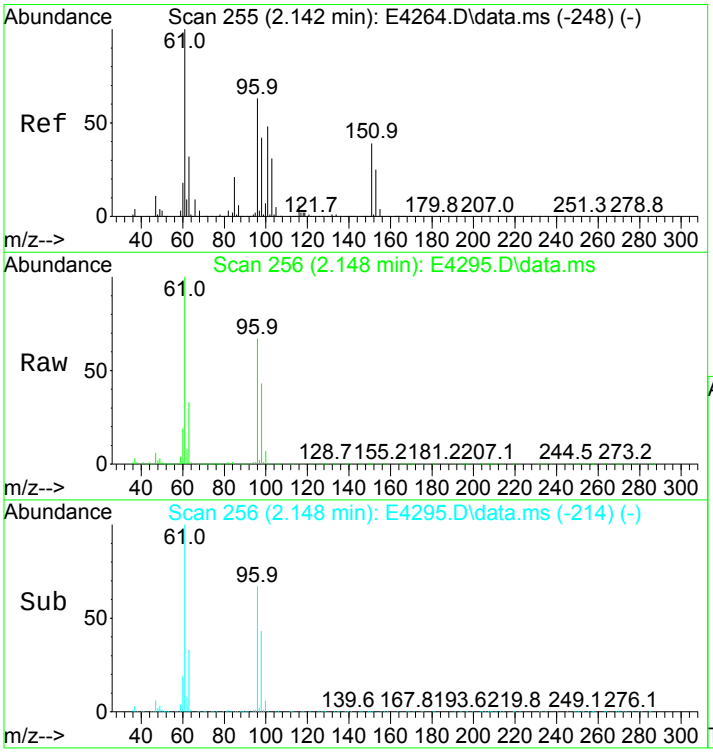


#11
Freon 123a
Concen: 1.34 ug/L
RT: 1.977 min Scan# 228
Delta R.T. -0.000 min
Lab File: E4295.D
Acq: 05 Aug 2023 06:02 pm

Tgt Ion: 67 Resp: 4353

Ion	Ratio	Lower	Upper
67	100		
117	85.0	61.9	101.9

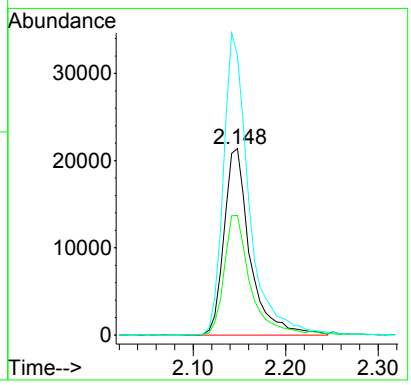


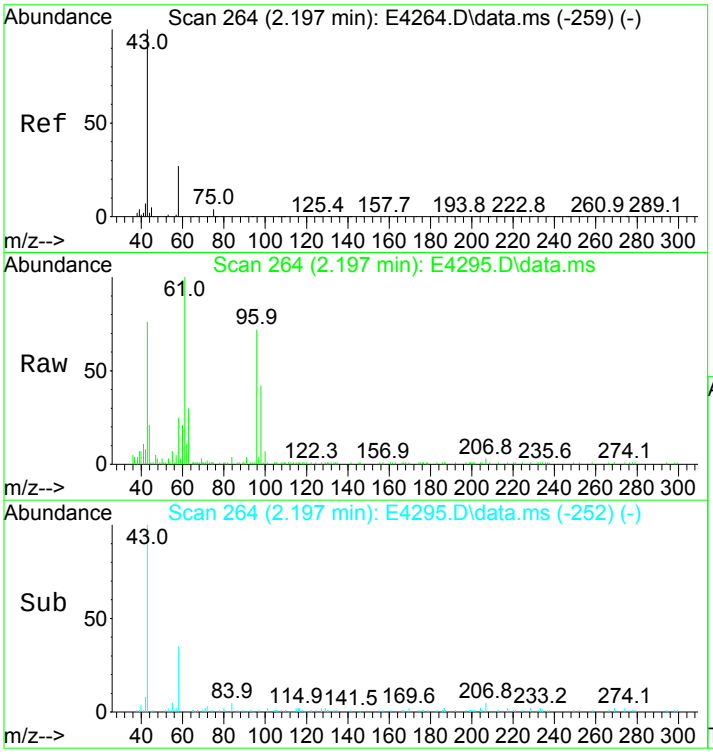


#14
1,1-Diclethene
Concen: 14.84 ug/L
RT: 2.148 min Scan# 256
Delta R.T. 0.006 min
Lab File: E4295.D
Acq: 05 Aug 2023 06:02 pm

Tgt Ion: 96 Resp: 41700

Ion	Ratio	Lower	Upper
96	100		
98	64.2	47.0	87.0
61	149.9	138.7	178.7

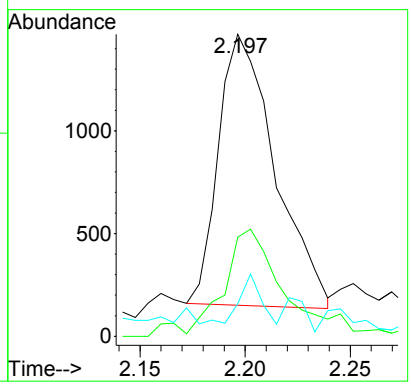


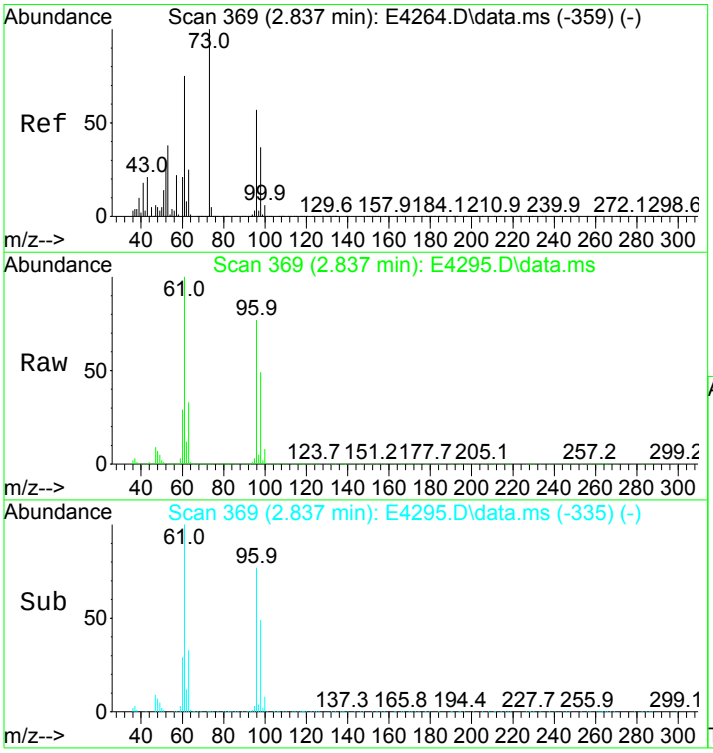


#16
Acetone
Concen: 1.44 ug/L
RT: 2.197 min Scan# 264
Delta R.T. -0.000 min
Lab File: E4295.D
Acq: 05 Aug 2023 06:02 pm

Tgt Ion: 43 Resp: 2469

Ion	Ratio	Lower	Upper
43	100		
58	32.8	7.7	47.7
42	10.8	0.0	27.6

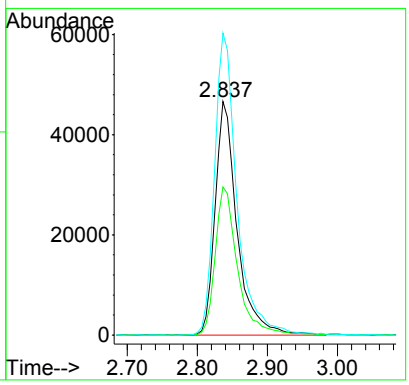


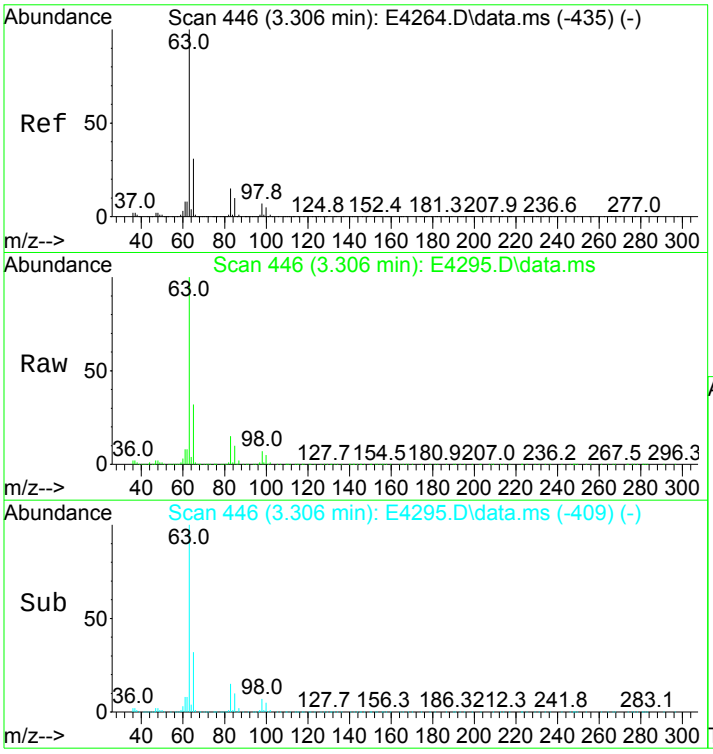


#27
trans-1,2-Dichloroethene
Concen: 31.87 ug/L
RT: 2.837 min Scan# 369
Delta R.T. -0.000 min
Lab File: E4295.D
Acq: 05 Aug 2023 06:02 pm

Tgt Ion: 96 Resp: 101557

Ion	Ratio	Lower	Upper
96	100		
98	63.4	44.5	84.5
61	129.3	111.6	151.6

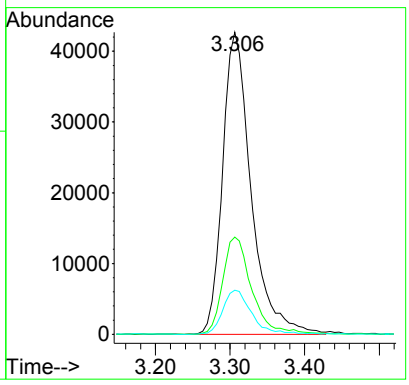


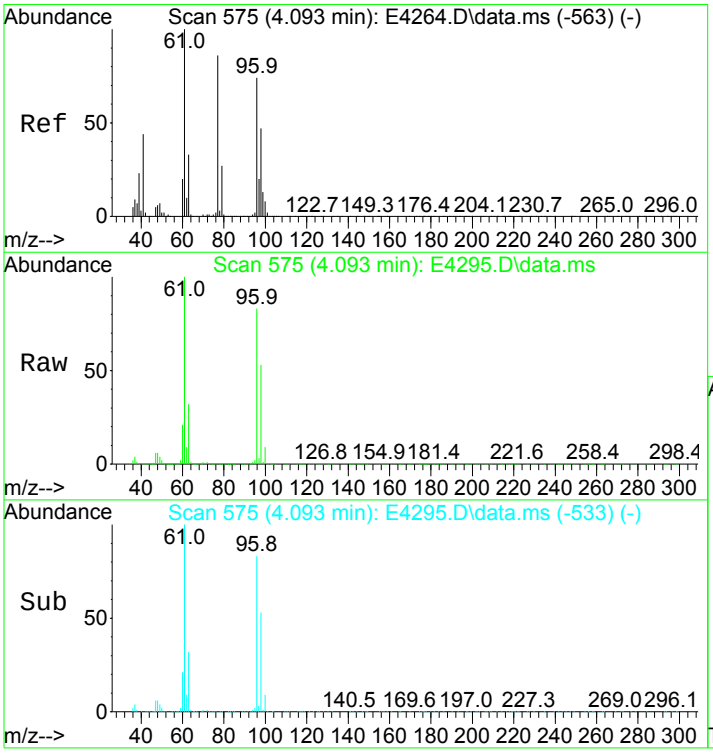


#28
1,1-Diclethane
Concen: 22.44 ug/L
RT: 3.306 min Scan# 446
Delta R.T. -0.000 min
Lab File: E4295.D
Acq: 05 Aug 2023 06:02 pm

Tgt Ion: 63 Resp: 113578

Ion	Ratio	Lower	Upper
63	100		
65	32.1	11.1	51.1
83	14.6	0.0	34.8

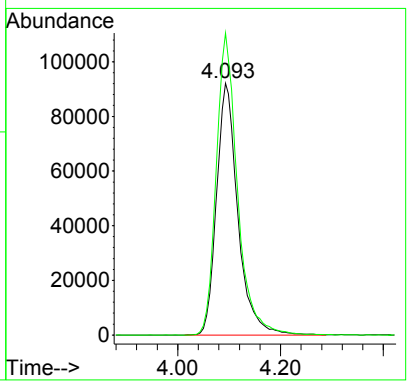


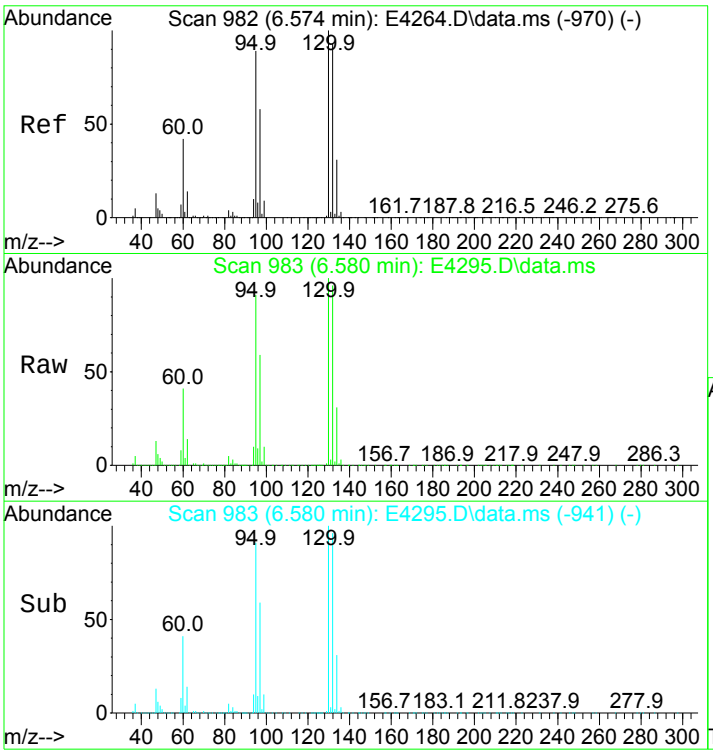


#34
cis-1,2-Dichloroethene
Concen: 76.22 ug/L
RT: 4.093 min Scan# 575
Delta R.T. -0.000 min
Lab File: E4295.D
Acq: 05 Aug 2023 06:02 pm

Tgt Ion: 96 Resp: 266287

Ion	Ratio	Lower	Upper
96	100		
61	119.9	116.1	156.1

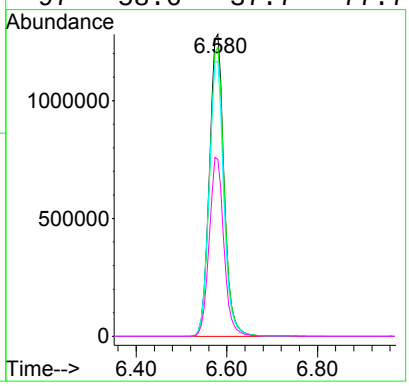




#54
Trichloroethene
Concen: 793.29 ug/L
RT: 6.580 min Scan# 983
Delta R.T. 0.006 min
Lab File: E4295.D
Acq: 05 Aug 2023 06:02 pm

Tgt Ion:130 Resp: 2864013

Ion	Ratio	Lower	Upper
130	100		
132	95.6	73.0	113.0
95	91.1	68.9	108.9
97	58.6	37.7	77.7



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\080823\
Data File : E4333.D
Acq On : 08 Aug 2023 08:24 pm
Operator : K.Ruest
Sample : R2306651-002|5.0
Misc : STANTEC 8260 T4
ALS Vial : 22 Sample Multiplier: 1

DL

Quant Time: Aug 09 10:11:11 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration

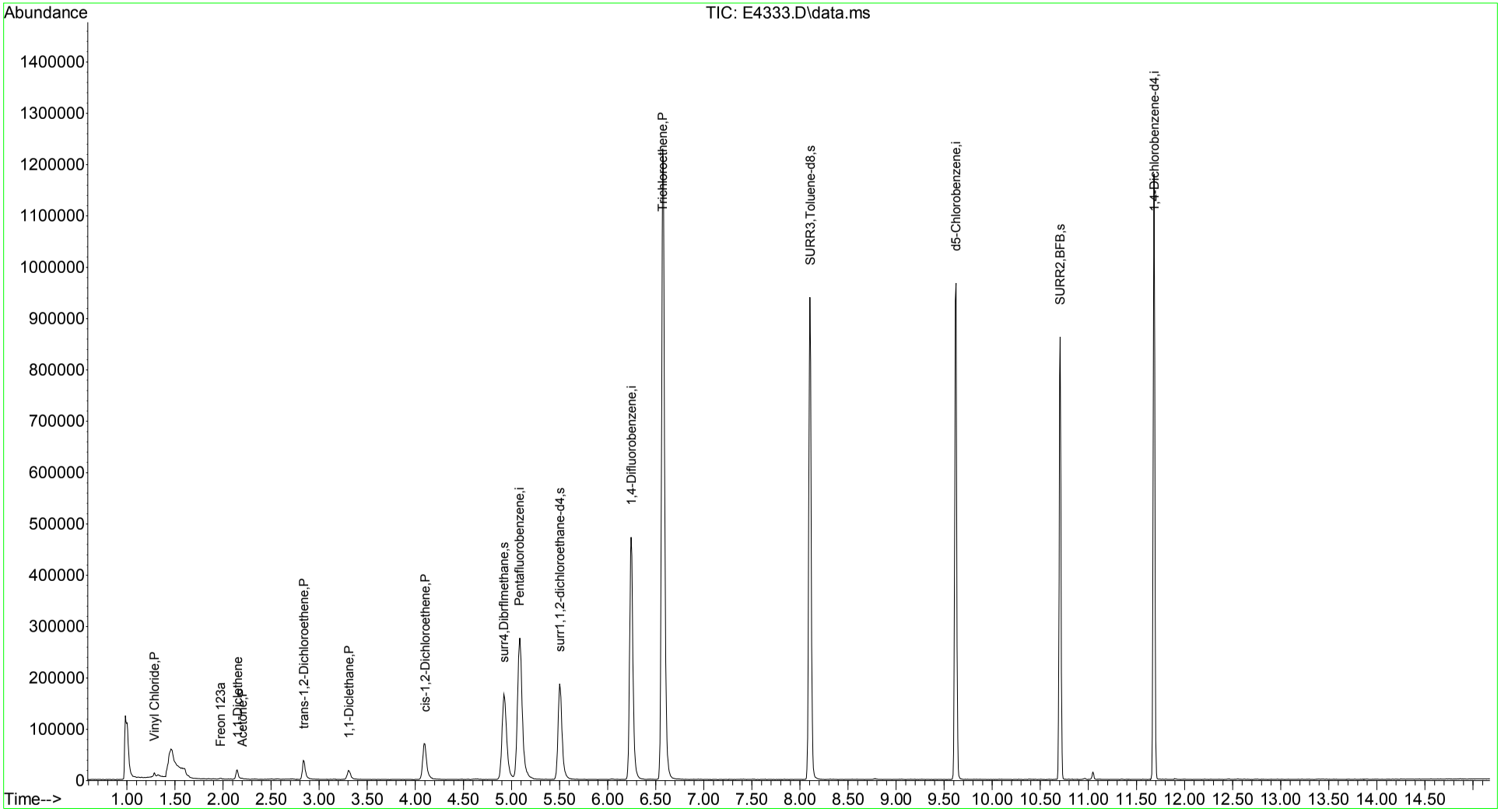
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.086	168	345240	50.00	ug/L	0.00
43) 1,4-Difluorobenzene	6.245	114	507408	50.00	ug/L	0.00
71) d5-Chlorobenzene	9.622	117	463196	50.00	ug/L	0.00
91) 1,4-Dichlorobenzene-d4	11.683	152	225480	50.00	ug/L	0.00
System Monitoring Compounds						
45) surr4,Dibrflmethane	4.922	113	169604	50.55	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 101.10%			
48) surr1,1,2-dichloroetha...	5.501	65	198759	51.69	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 103.38%			
65) SURR3,Toluene-d8	8.104	98	623144	51.05	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 102.10%			
70) SURR2,BFB	10.707	95	222111	47.76	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 95.52%			
Target Compounds						Qvalue
5) Vinyl Chloride	1.288	62	7362	1.934	ug/L	97
11) Freon 123a	1.977	67	808	0.267	ug/L	88
14) 1,1-Diclethene	2.148	96	7433	2.839	ug/L	92
16) Acetone	2.203	43	1321	0.825	ug/L	91
27) trans-1,2-Dichloroethene	2.837	96	17946	6.044	ug/L	96
28) 1,1-Diclethane	3.306	63	21245	4.506	ug/L	95
34) cis-1,2-Dichloroethene	4.099	96	48922	15.030	ug/L	86
54) Trichloroethene	6.574	130	513193	150.212	ug/L	96

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

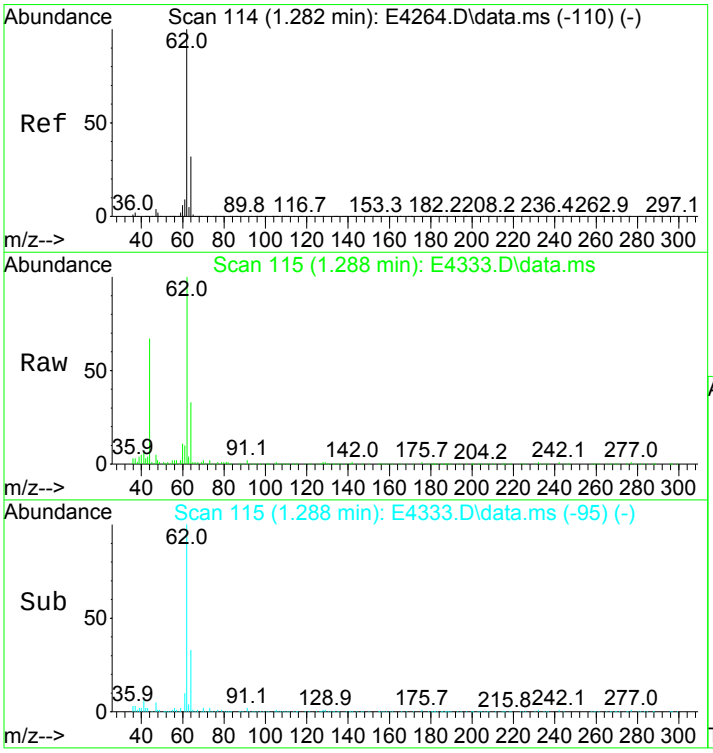
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\080823\
Data File : E4333.D
Acq On : 08 Aug 2023 08:24 pm
Operator : K.Ruest
Sample : R2306651-002|5.0
Misc : STANTEC 8260 T4
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Aug 09 10:11:11 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration



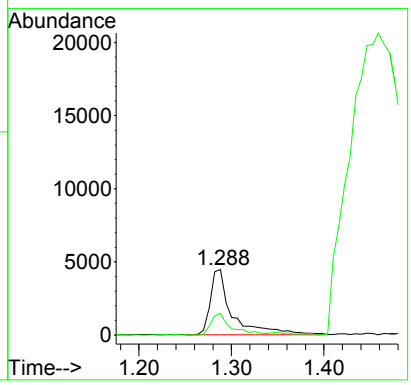
1st 08/09/23
2nd 08/09/23

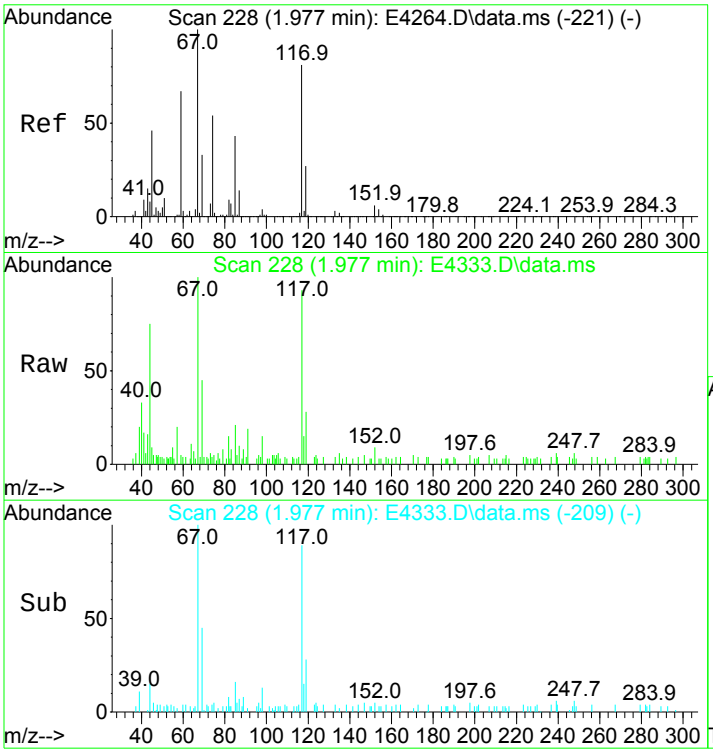


#5
Vinyl Chloride
Concen: 1.93 ug/L
RT: 1.288 min Scan# 115
Delta R.T. 0.006 min
Lab File: E4333.D
Acq: 08 Aug 2023 08:24 pm

Tgt Ion: 62 Resp: 7362

Ion	Ratio	Lower	Upper
62	100		
64	33.3	11.7	51.7

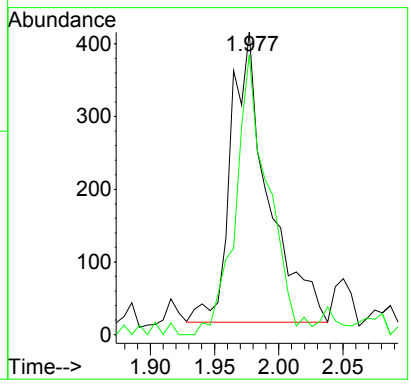


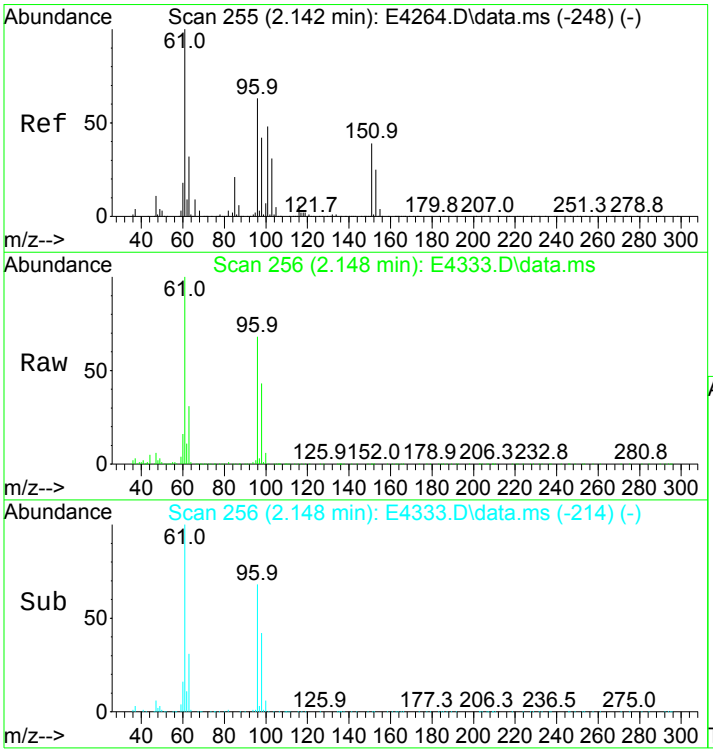


#11
Freon 123a
Concen: 0.27 ug/L
RT: 1.977 min Scan# 228
Delta R.T. -0.000 min
Lab File: E4333.D
Acq: 08 Aug 2023 08:24 pm

Tgt Ion: 67 Resp: 808

Ion	Ratio	Lower	Upper
67	100		
117	92.5	61.9	101.9

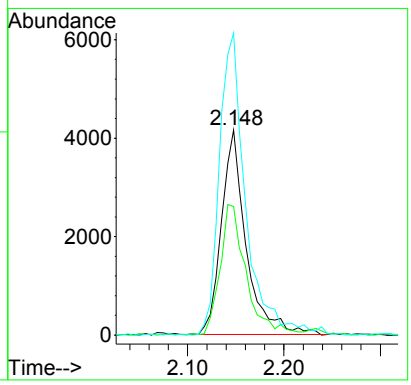


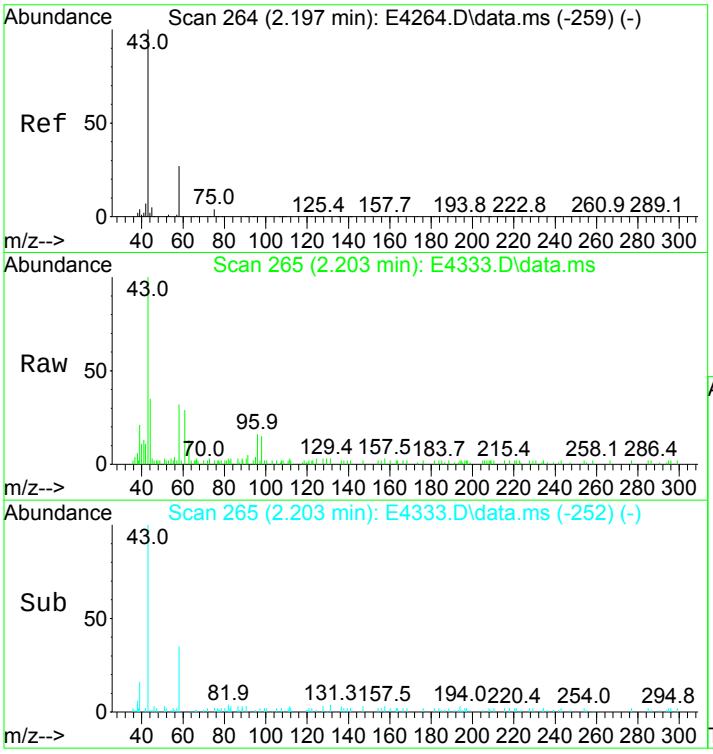


#14
1,1-Diclethene
Concen: 2.84 ug/L
RT: 2.148 min Scan# 256
Delta R.T. 0.006 min
Lab File: E4333.D
Acq: 08 Aug 2023 08:24 pm

Tgt Ion: 96 Resp: 7433

Ion	Ratio	Lower	Upper
96	100		
98	62.7	47.0	87.0
61	147.3	138.7	178.7

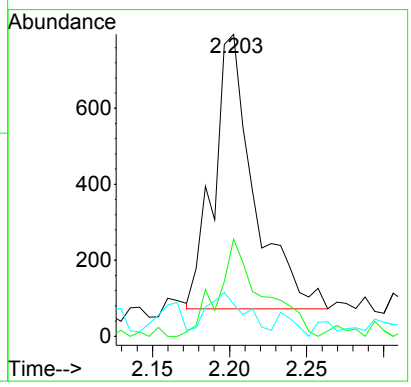


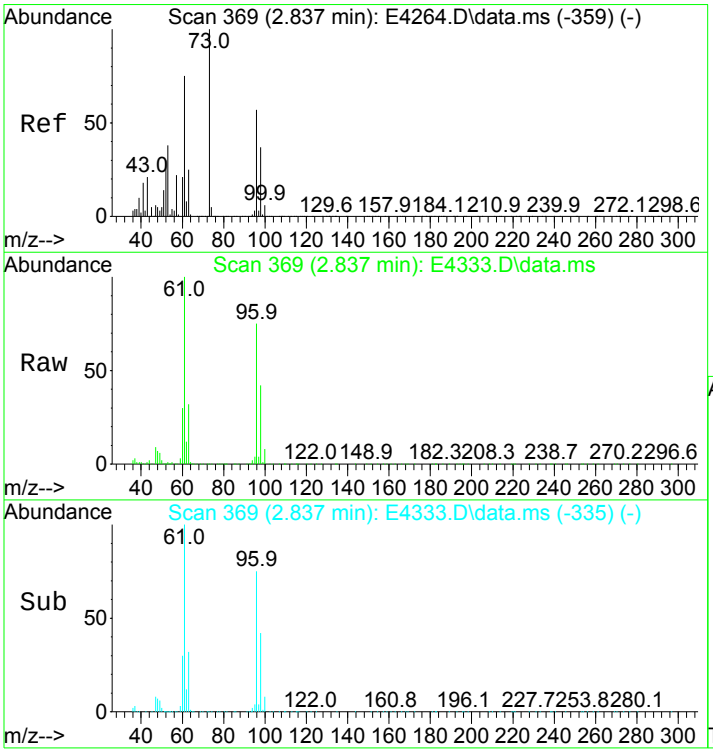


#16
Acetone
Concen: 0.82 ug/L
RT: 2.203 min Scan# 265
Delta R.T. 0.006 min
Lab File: E4333.D
Acq: 08 Aug 2023 08:24 pm

Tgt Ion: 43 Resp: 1321

Ion	Ratio	Lower	Upper
43	100		
58	32.2	7.7	47.7
42	10.7	0.0	27.6

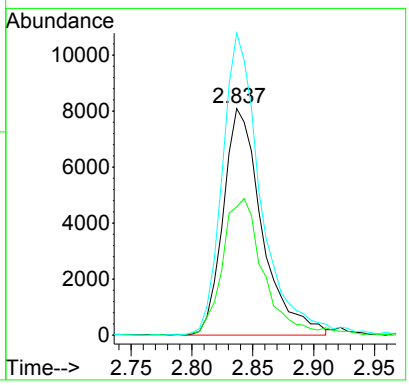


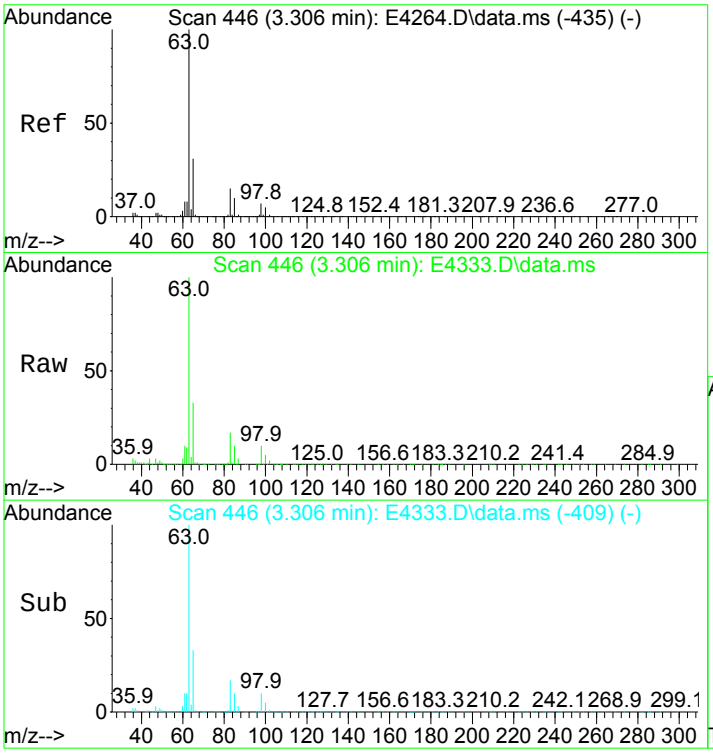


#27
trans-1,2-Dichloroethene
Concen: 6.04 ug/L
RT: 2.837 min Scan# 369
Delta R.T. -0.000 min
Lab File: E4333.D
Acq: 08 Aug 2023 08:24 pm

Tgt Ion: 96 Resp: 17946

Ion	Ratio	Lower	Upper
96	100		
98	56.7	44.5	84.5
61	133.3	111.6	151.6

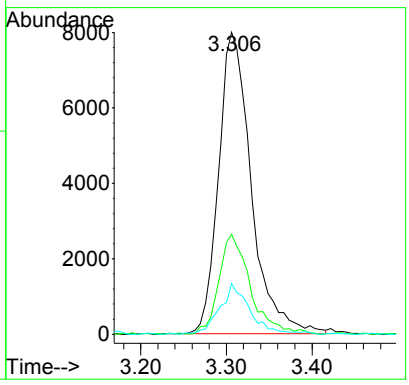


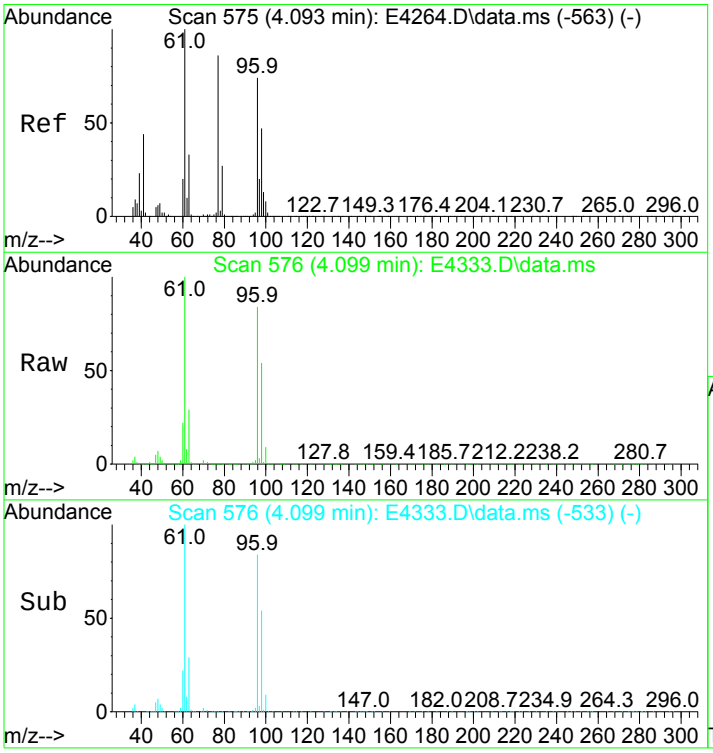


#28
1,1-Diclethane
Concen: 4.51 ug/L
RT: 3.306 min Scan# 446
Delta R.T. -0.000 min
Lab File: E4333.D
Acq: 08 Aug 2023 08:24 pm

Tgt Ion: 63 Resp: 21245

Ion	Ratio	Lower	Upper
63	100		
65	33.2	11.1	51.1
83	17.9	0.0	34.8

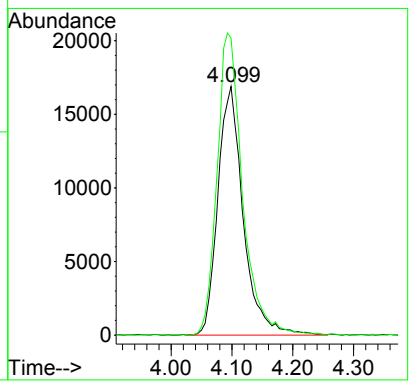


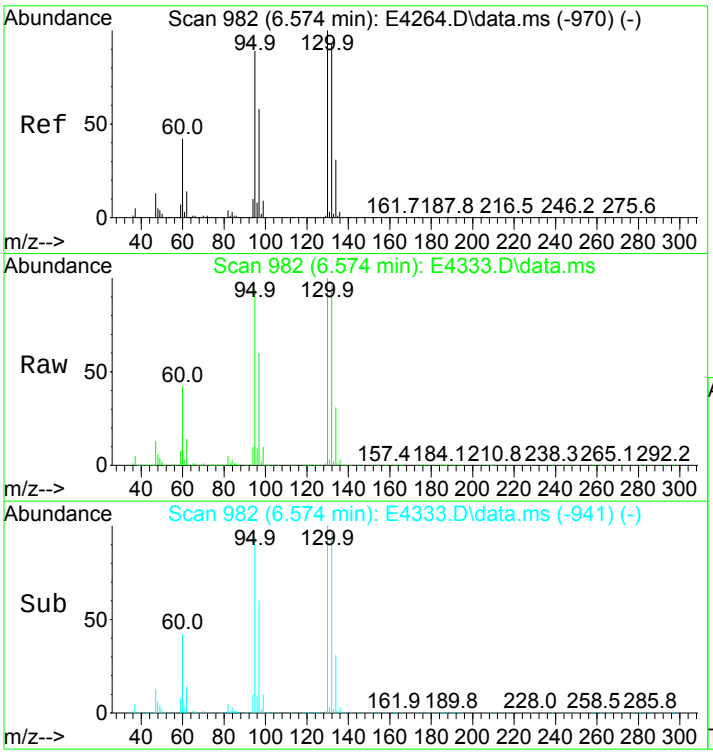


#34
cis-1,2-Dichloroethene
Concen: 15.03 ug/L
RT: 4.099 min Scan# 576
Delta R.T. 0.006 min
Lab File: E4333.D
Acq: 08 Aug 2023 08:24 pm

Tgt Ion: 96 Resp: 48922

Ion	Ratio	Lower	Upper
96	100		
61	119.5	116.1	156.1

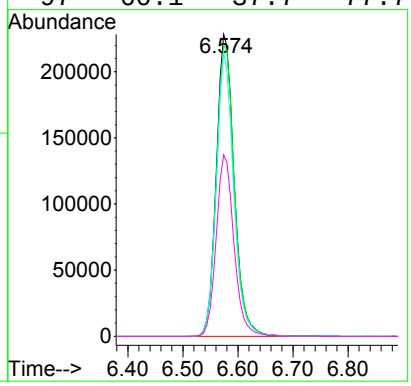




#54
Trichloroethene
Concen: 150.21 ug/L
RT: 6.574 min Scan# 982
Delta R.T. -0.000 min
Lab File: E4333.D
Acq: 08 Aug 2023 08:24 pm

Tgt Ion:130 Resp: 513193

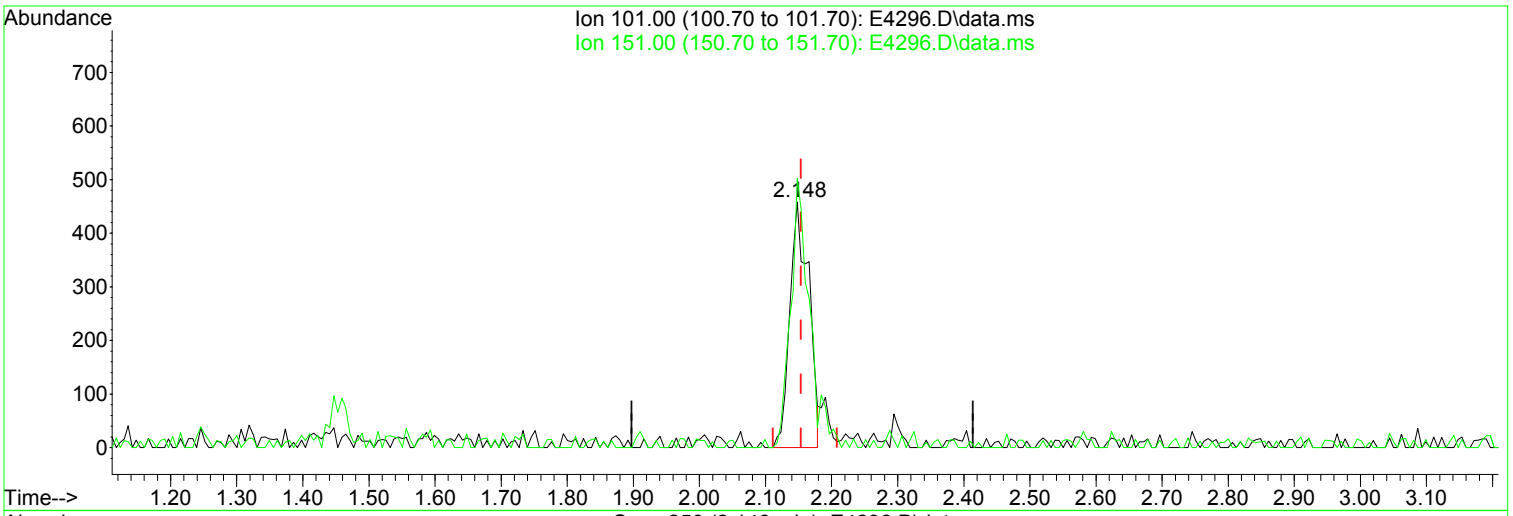
Ion	Ratio	Lower	Upper
130	100		
132	96.3	73.0	113.0
95	93.9	68.9	108.9
97	60.1	37.7	77.7

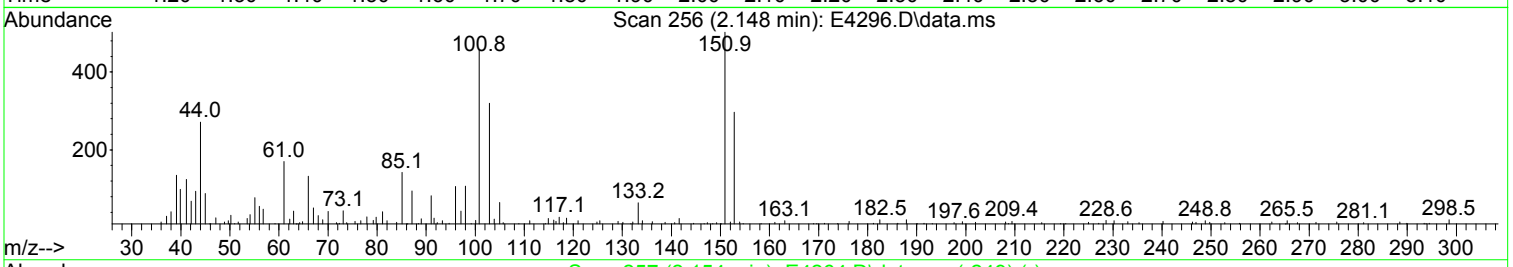


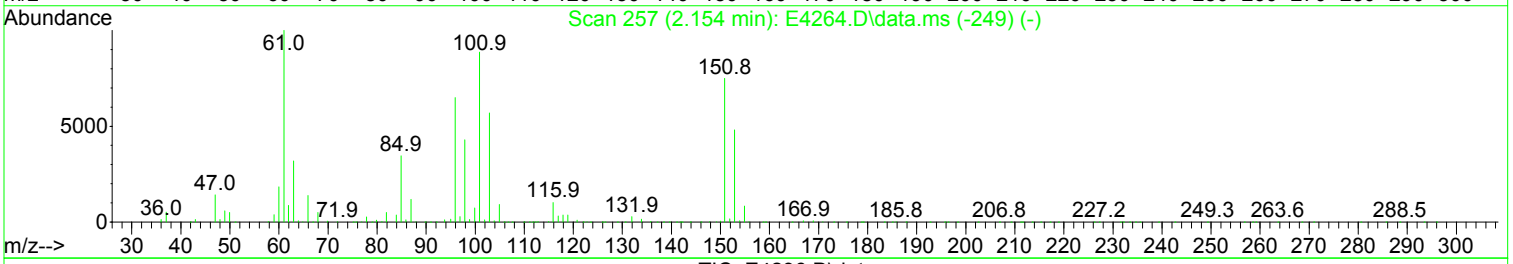
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080523\
Data File : E4296.D
Acq On : 05 Aug 2023 06:25 pm
Operator : K.Ruest
Sample : R2306651-003|1.0
Misc : STANTEC 8260 T4
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 08 09:57:20 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration







TIC: E4296.D\data.ms

(15) Freon 113 (P)

2.148min (-0.006) 0.31 ug/L m

response 914

Ion	Exp%	Act%
101.00	100.00	100.00
151.00	84.60	109.61#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

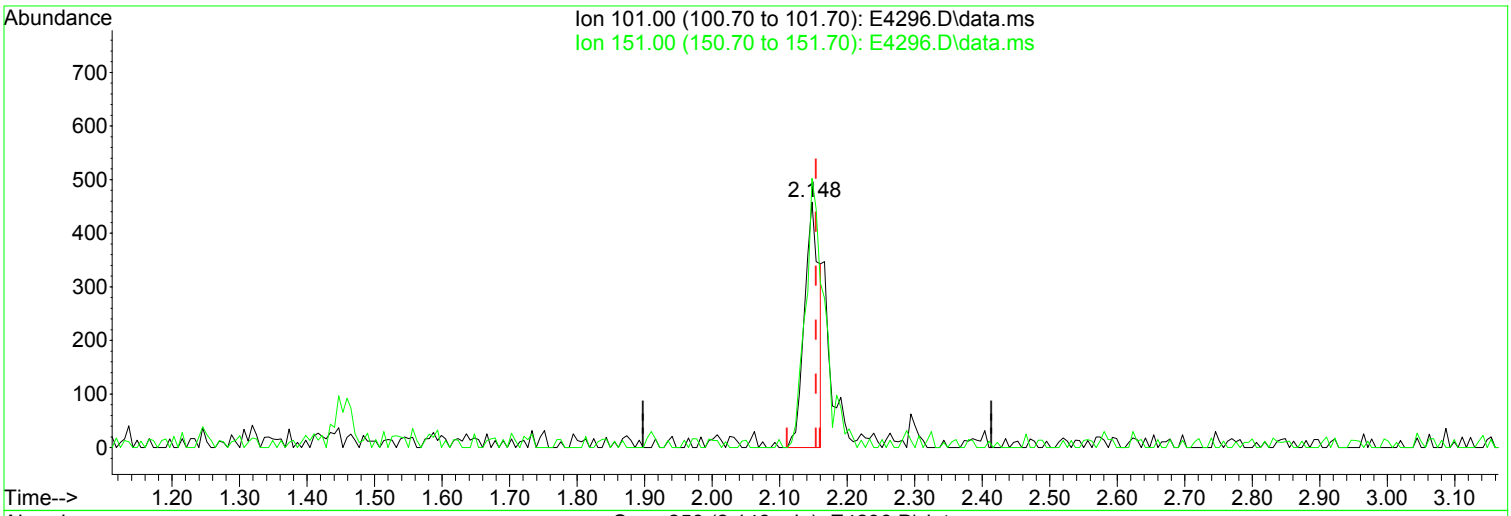
Poor integration.

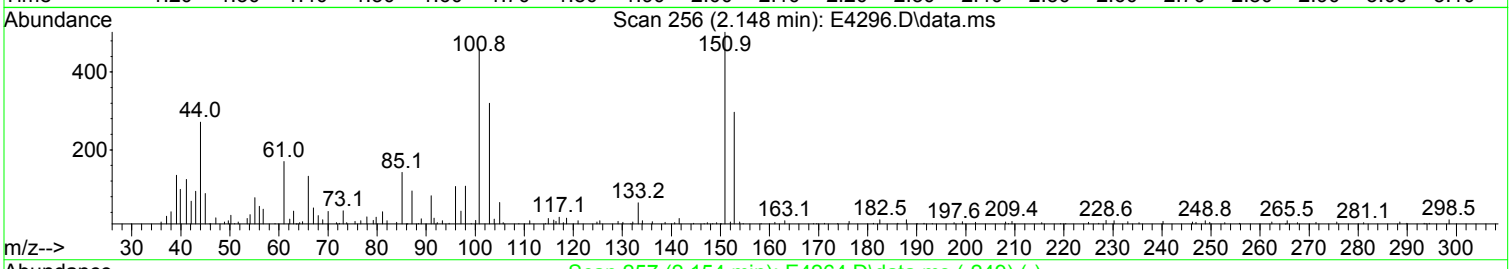
08/09/23

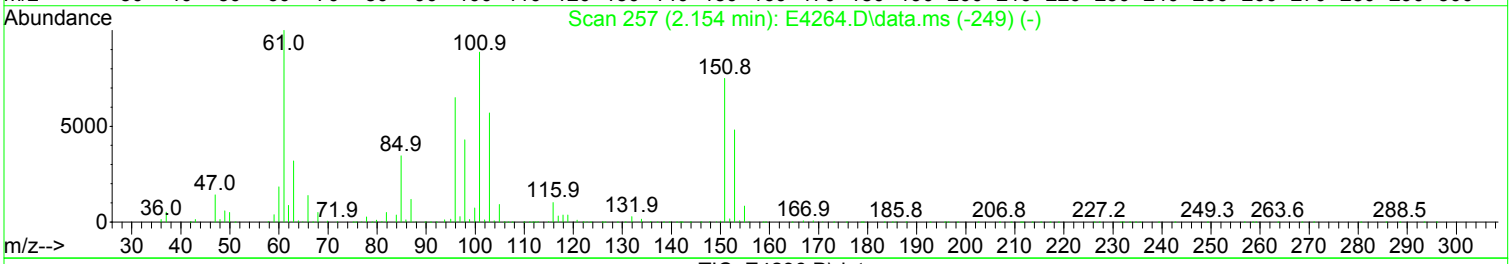
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080523\
Data File : E4296.D
Acq On : 05 Aug 2023 06:25 pm
Operator : K.Ruest
Sample : R2306651-003|1.0
Misc : STANTEC 8260 T4
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 08 09:57:20 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration







TIC: E4296.D\data.ms

(15) Freon 113 (P)

2.148min (-0.006) 0.23 ug/L

response 692

Ion	Exp%	Act%
101.00	100.00	100.00
151.00	84.60	109.61#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

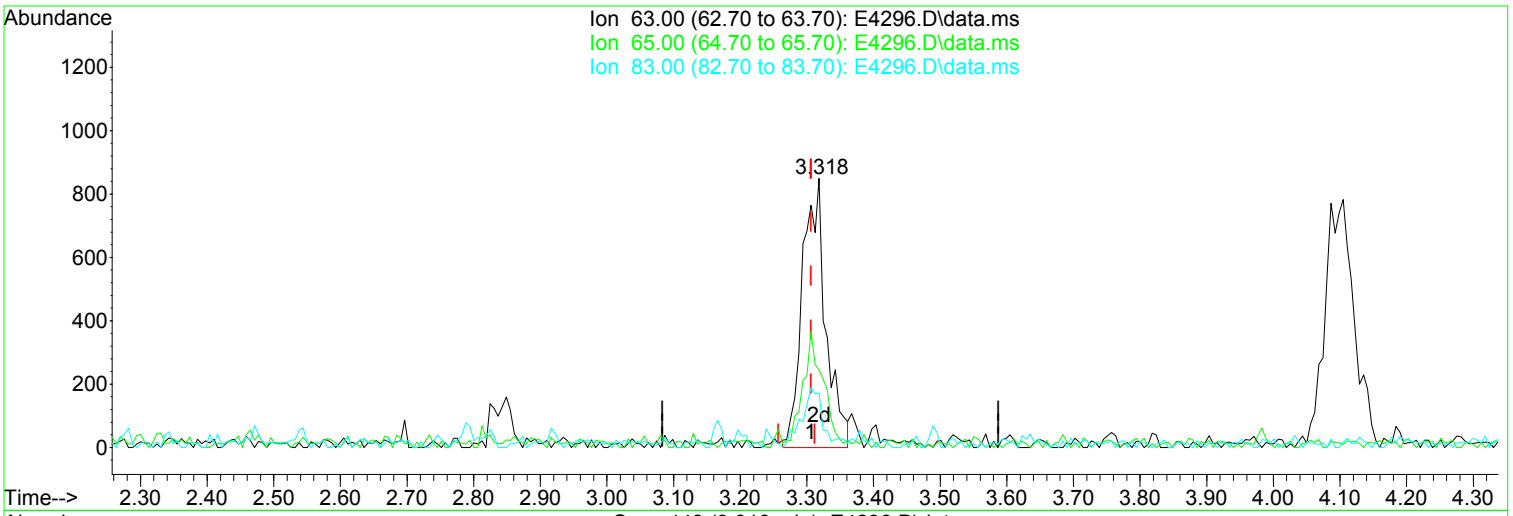
Before

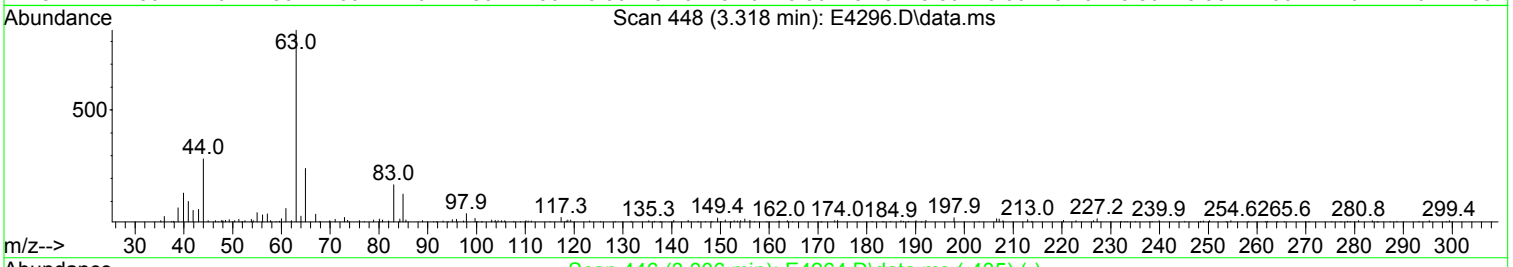
08/09/23

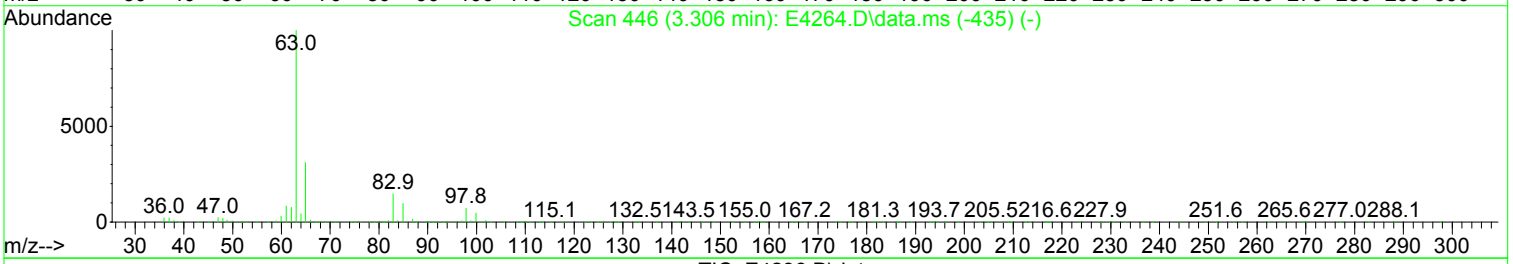
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080523\
Data File : E4296.D
Acq On : 05 Aug 2023 06:25 pm
Operator : K.Ruest
Sample : R2306651-003|1.0
Misc : STANTEC 8260 T4
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 08 09:57:20 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration







TIC: E4296.D\data.ms

(28) 1,1-Diclethane (P)

3.318min (+ 0.012) 0.42 ug/L m

response 2071

Ion	Exp%	Act%
63.00	100.00	100.00
65.00	31.10	28.74
83.00	14.80	20.38
0.00	0.00	0.00

Manual Integration:

After

Split Peak.

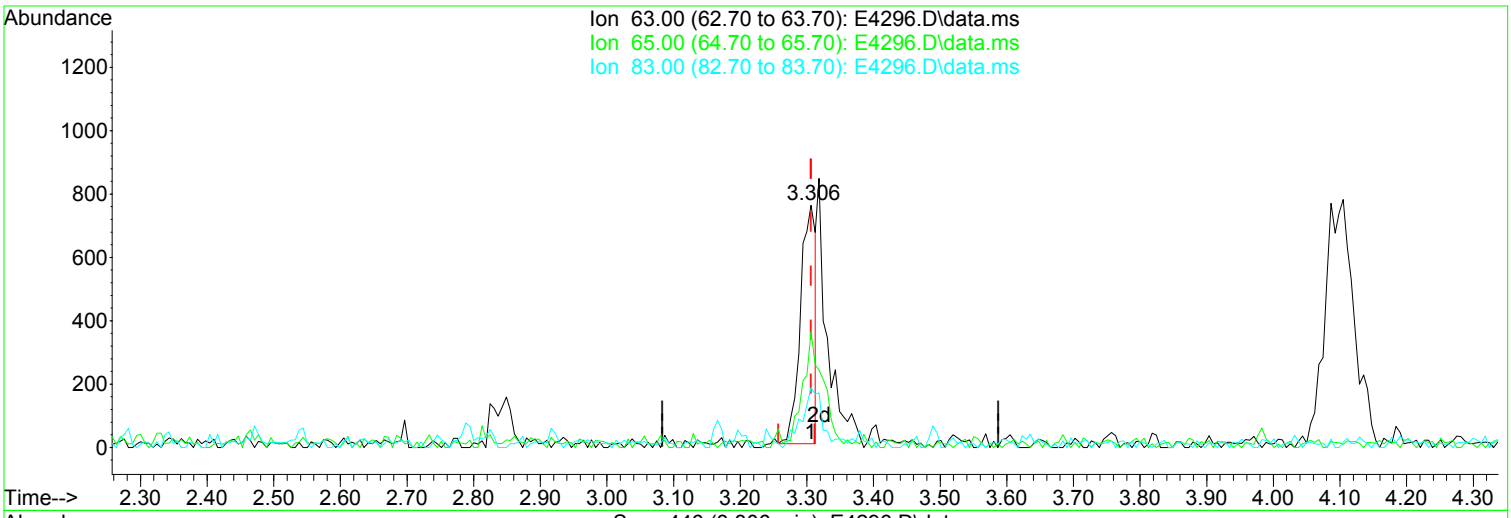
08/09/23

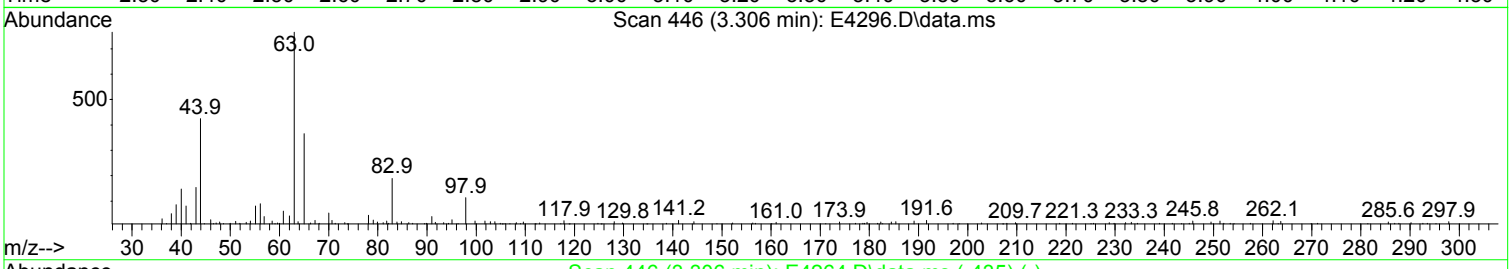
1st 08/09/23
2nd 08/09/23

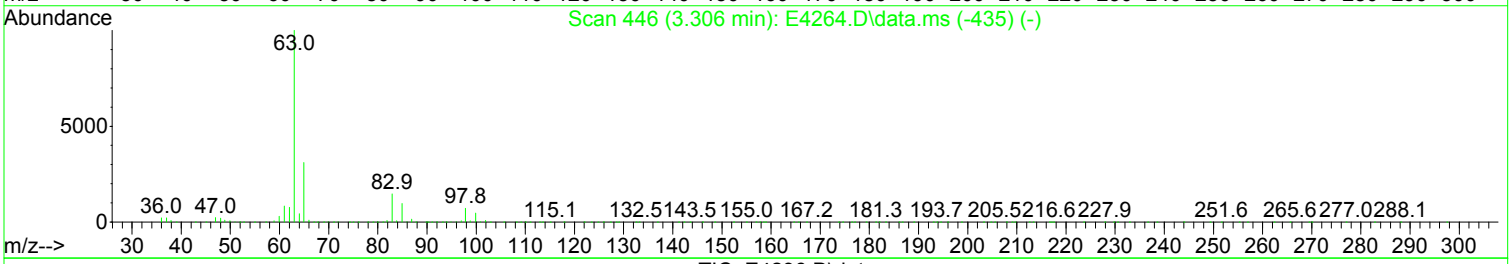
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080523\
Data File : E4296.D
Acq On : 05 Aug 2023 06:25 pm
Operator : K.Ruest
Sample : R2306651-003|1.0
Misc : STANTEC 8260 T4
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 08 09:57:20 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration







TIC: E4296.D\data.ms

(28) 1,1-Diclethane (P)

3.306min (-0.000) 0.24 ug/L

response 1190

Ion	Exp%	Act%
63.00	100.00	100.00
65.00	31.10	47.84
83.00	14.80	24.71
0.00	0.00	0.00

Manual Integration:

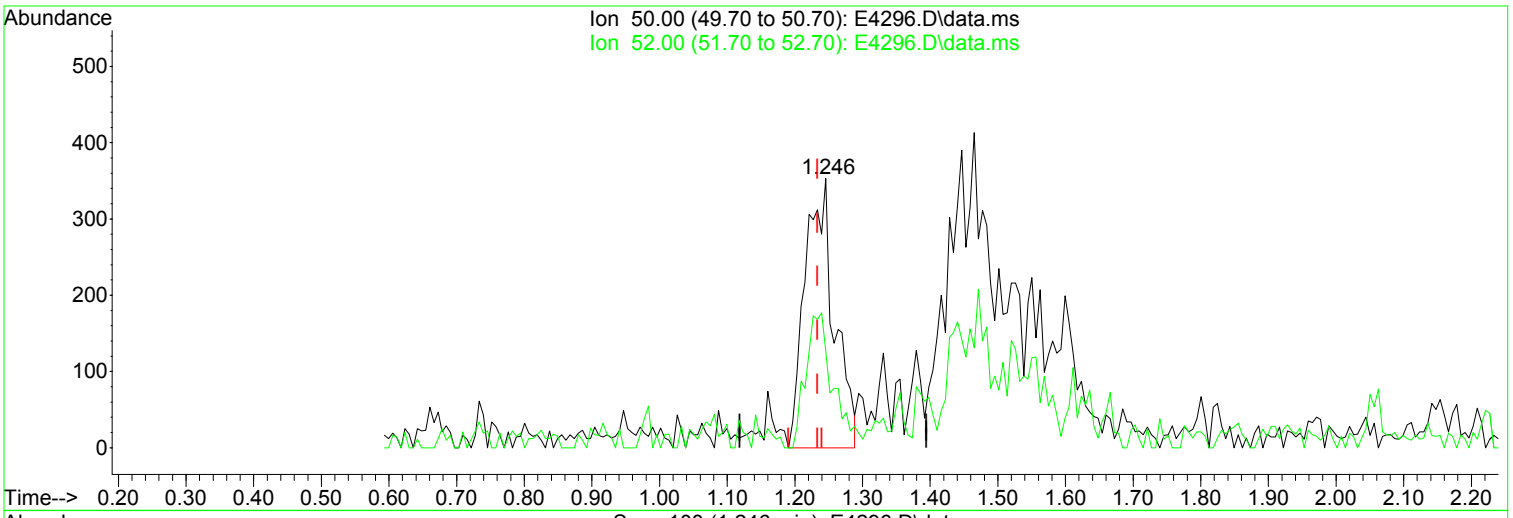
Before

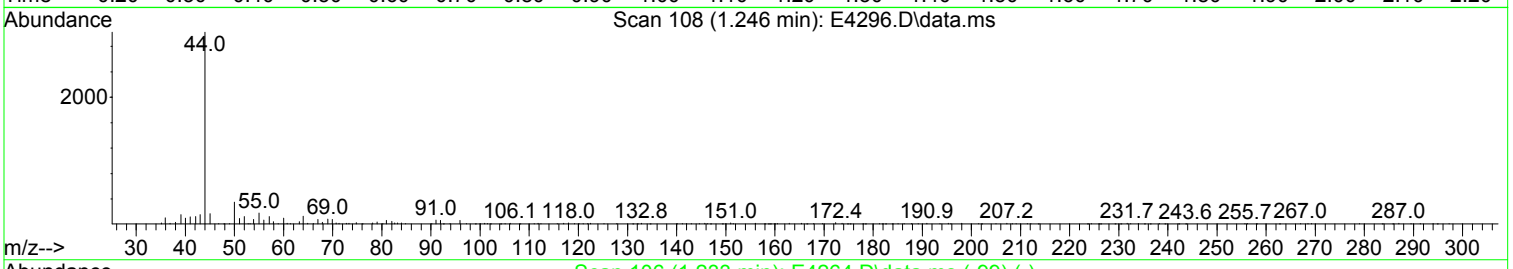
08/09/23

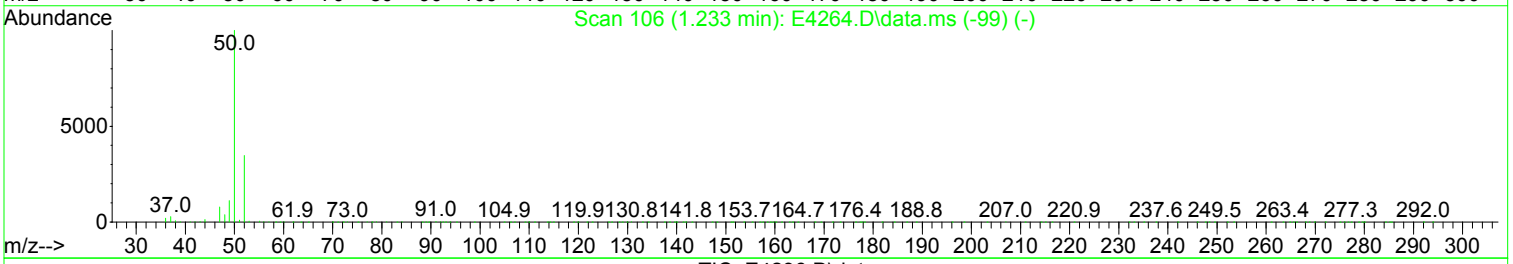
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080523\
Data File : E4296.D
Acq On : 05 Aug 2023 06:25 pm
Operator : K.Ruest
Sample : R2306651-003|1.0
Misc : STANTEC 8260 T4
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 08 09:57:20 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration







TIC: E4296.D\data.ms

(4) Chloromethane (P)

1.246min (+ 0.012) 0.33 ug/L m

response 1061

Ion	Exp%	Act%
50.00	100.00	100.00
52.00	34.60	35.98
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

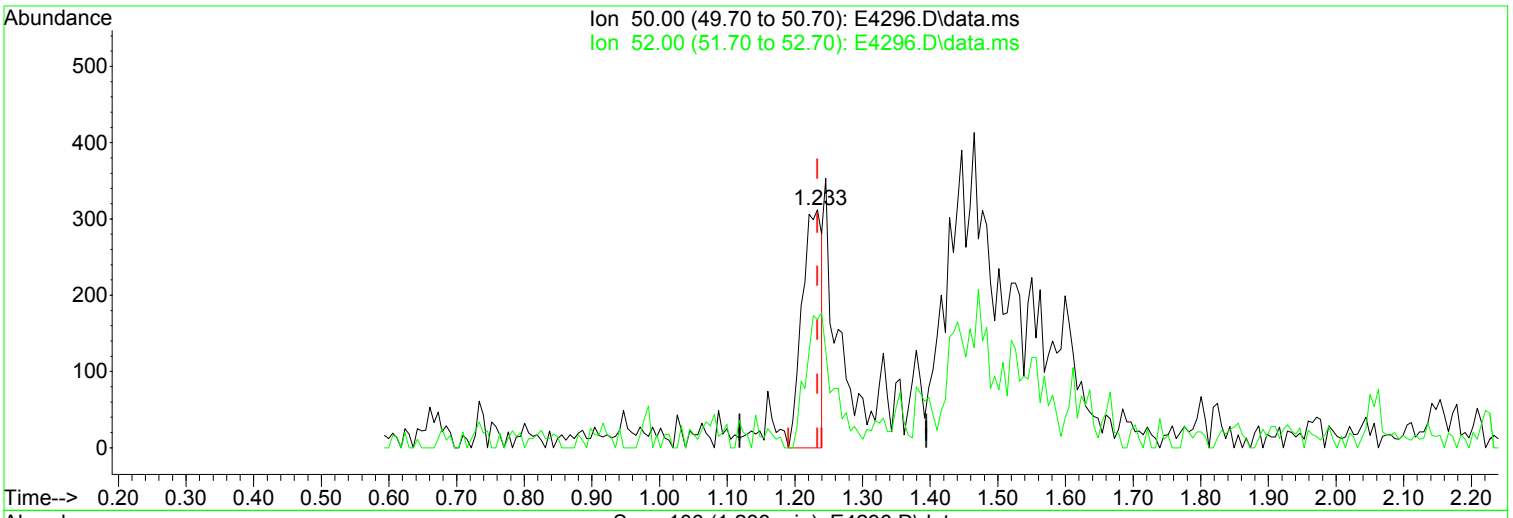
Split Peak.

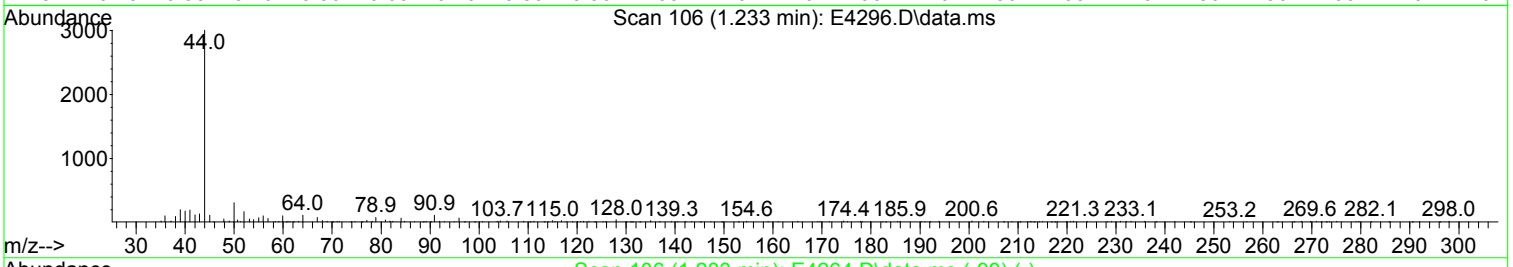
08/09/23

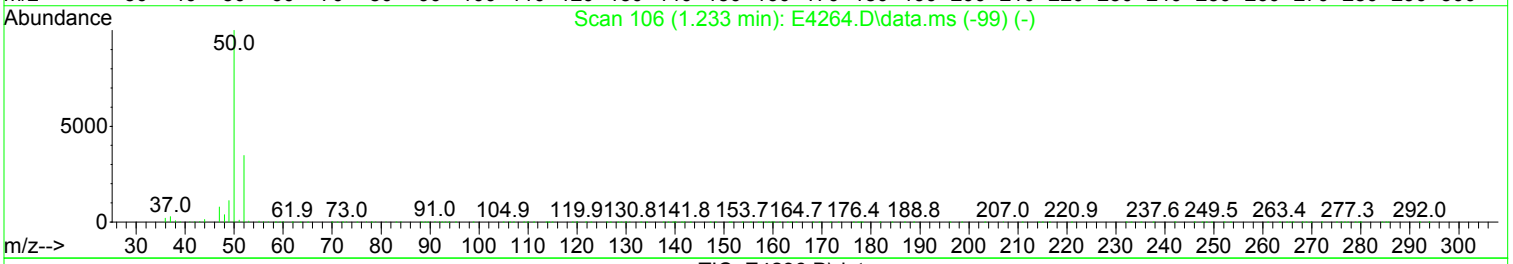
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080523\
Data File : E4296.D
Acq On : 05 Aug 2023 06:25 pm
Operator : K.Ruest
Sample : R2306651-003|1.0
Misc : STANTEC 8260 T4
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 08 09:57:20 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration







TIC: E4296.D\data.ms

(4) Chloromethane (P)

1.233min (-0.000) 0.20 ug/L

response 633

Ion	Exp%	Act%
50.00	100.00	100.00
52.00	34.60	47.86
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

08/09/23

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\080523\
Data File : E4296.D
Acq On : 05 Aug 2023 06:25 pm
Operator : K.Ruest
Sample : R2306651-003|1.0
Misc : STANTEC 8260 T4
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 08 09:57:20 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration

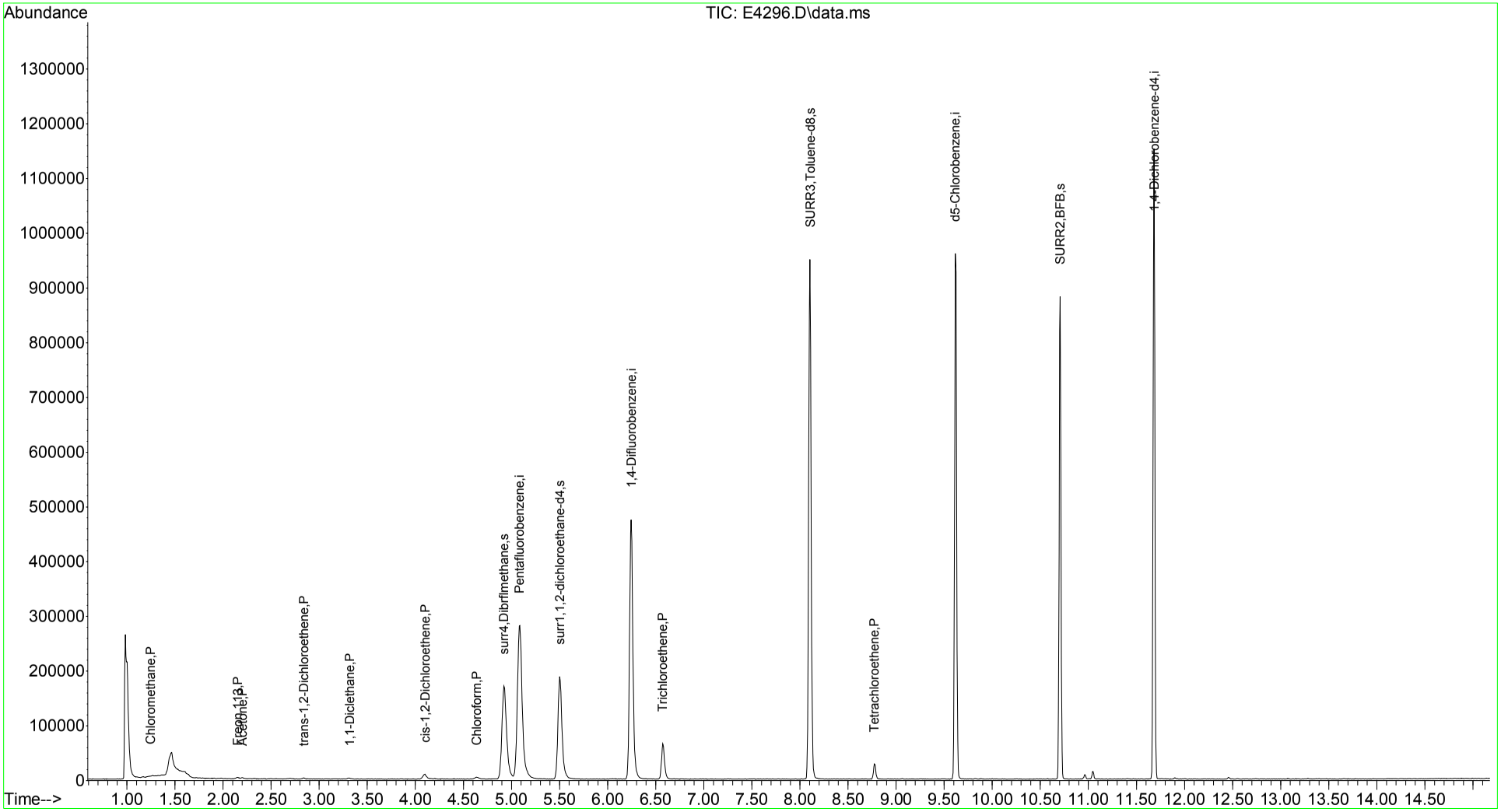
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.086	168	360327	50.00	ug/L	0.00
43) 1,4-Difluorobenzene	6.245	114	517032	50.00	ug/L	0.00
71) d5-Chlorobenzene	9.616	117	463308	50.00	ug/L	0.00
91) 1,4-Dichlorobenzene-d4	11.683	152	228889	50.00	ug/L	0.00
System Monitoring Compounds						
45) surr4,Dibrflmethane	4.922	113	174744	51.11	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 102.22%			
48) surr1,1,2-dichloroetha...	5.501	65	201677	51.48	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 102.96%			
65) SURR3,Toluene-d8	8.104	98	630320	50.68	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 101.36%			
70) SURR2,BFB	10.707	95	225908	47.67	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 95.34%			
Target Compounds						Qvalue
4) Chloromethane	1.246	50	1061m	0.335	ug/L	
15) Freon 113	2.148	101	914m	0.305	ug/L	
16) Acetone	2.203	43	2608	1.560	ug/L	98
27) trans-1,2-Dichloroethene	2.837	96	718	0.232	ug/L #	79
28) 1,1-Diclethane	3.318	63	2071m	0.421	ug/L	
34) cis-1,2-Dichloroethene	4.099	96	5761	1.696	ug/L #	73
40) Chloroform	4.635	83	4430	0.794	ug/L	89
54) Trichloroethene	6.574	130	26329	7.563	ug/L	92
72) Tetrachloroethene	8.775	164	5444	1.936	ug/L	94

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

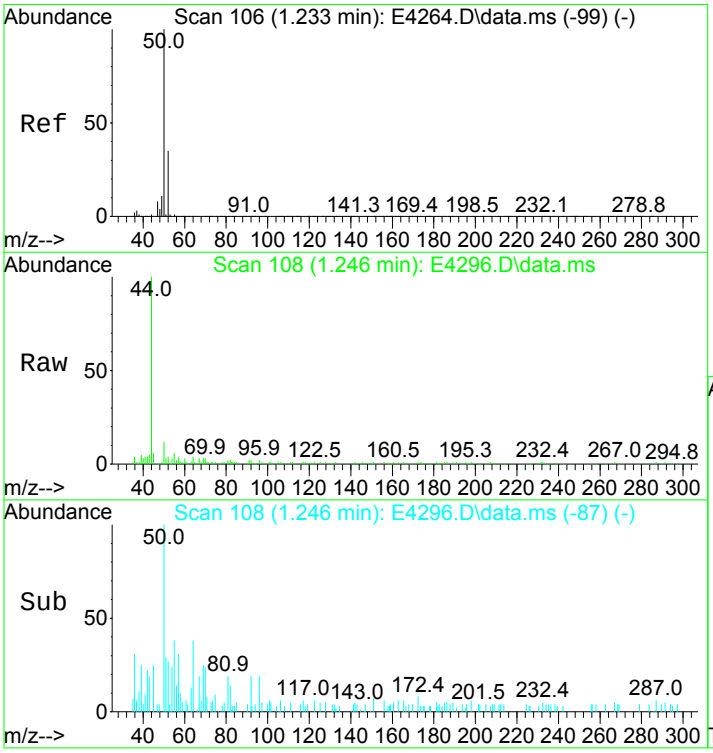
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\080523\
Data File : E4296.D
Acq On : 05 Aug 2023 06:25 pm
Operator : K.Ruest
Sample : R2306651-003|1.0
Misc : STANTEC 8260 T4
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 08 09:57:20 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration



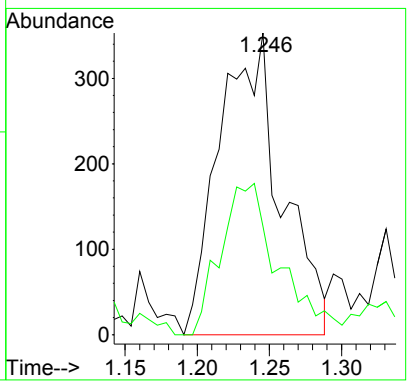
1st 08/09/23
2nd 08/09/23

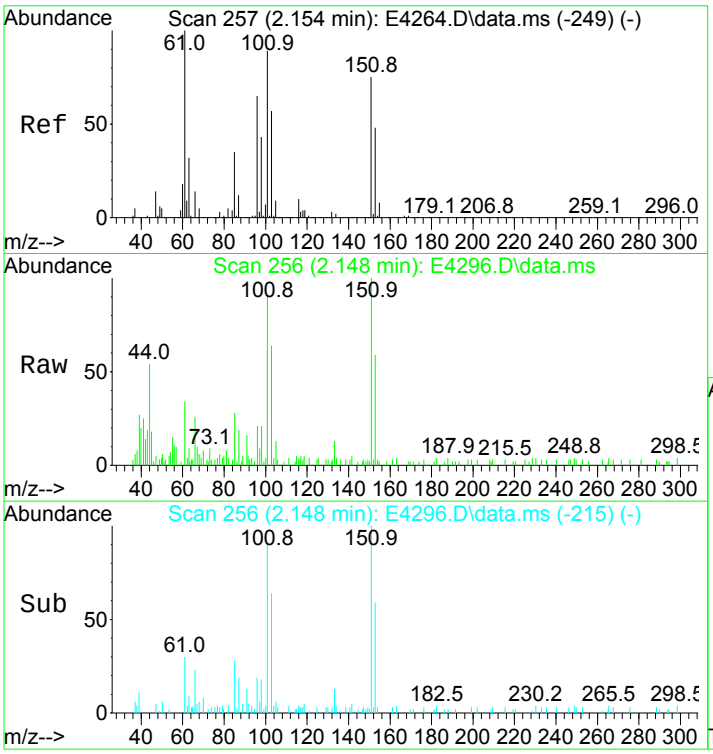


#4
Chloromethane
Concen: 0.33 ug/L m
RT: 1.246 min Scan# 108
Delta R.T. 0.012 min
Lab File: E4296.D
Acq: 05 Aug 2023 06:25 pm

Tgt Ion: 50 Resp: 1061

Ion	Ratio	Lower	Upper
50	100		
52	36.0	14.6	54.6

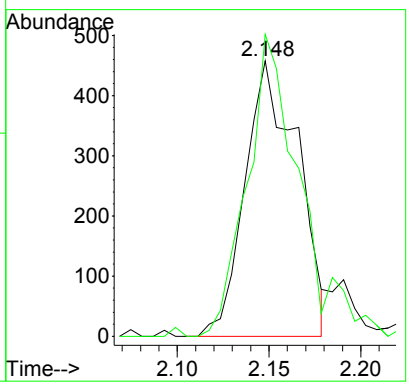


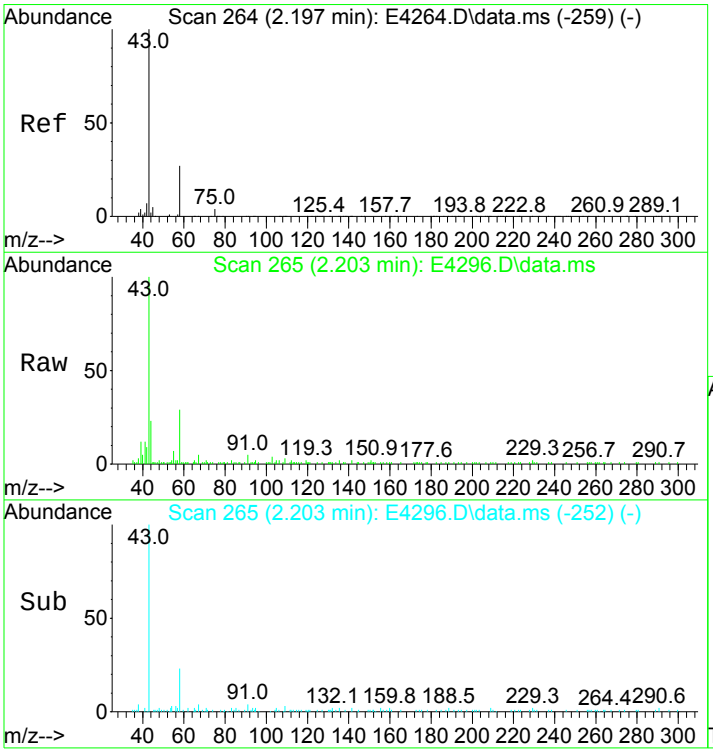


#15
Freon 113
Concen: 0.31 ug/L m
RT: 2.148 min Scan# 256
Delta R.T. -0.006 min
Lab File: E4296.D
Acq: 05 Aug 2023 06:25 pm

Tgt Ion:101 Resp: 914

Ion	Ratio	Lower	Upper
101	100		
151	109.6	64.6	104.6#

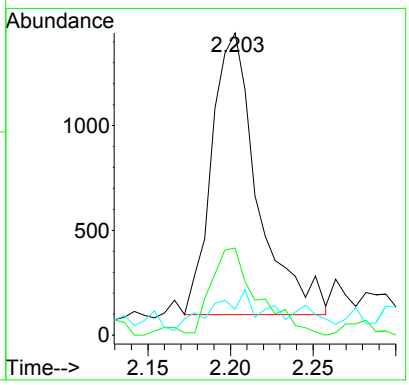


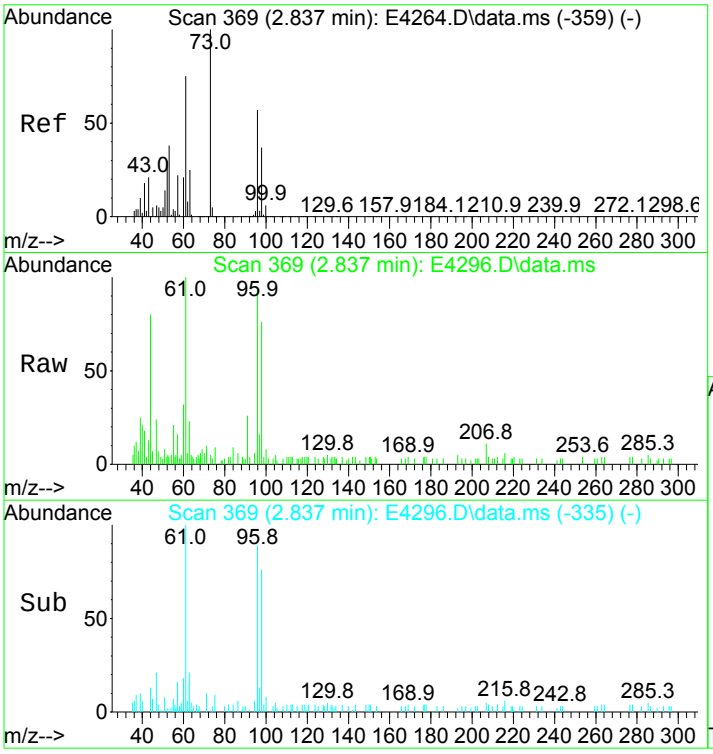


#16
Acetone
Concen: 1.56 ug/L
RT: 2.203 min Scan# 265
Delta R.T. 0.006 min
Lab File: E4296.D
Acq: 05 Aug 2023 06:25 pm

Tgt Ion: 43 Resp: 2608

Ion	Ratio	Lower	Upper
43	100		
58	28.8	7.7	47.7
42	8.5	0.0	27.6

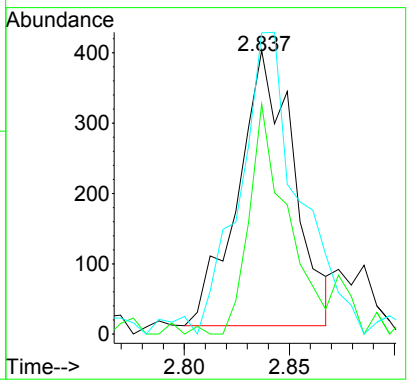


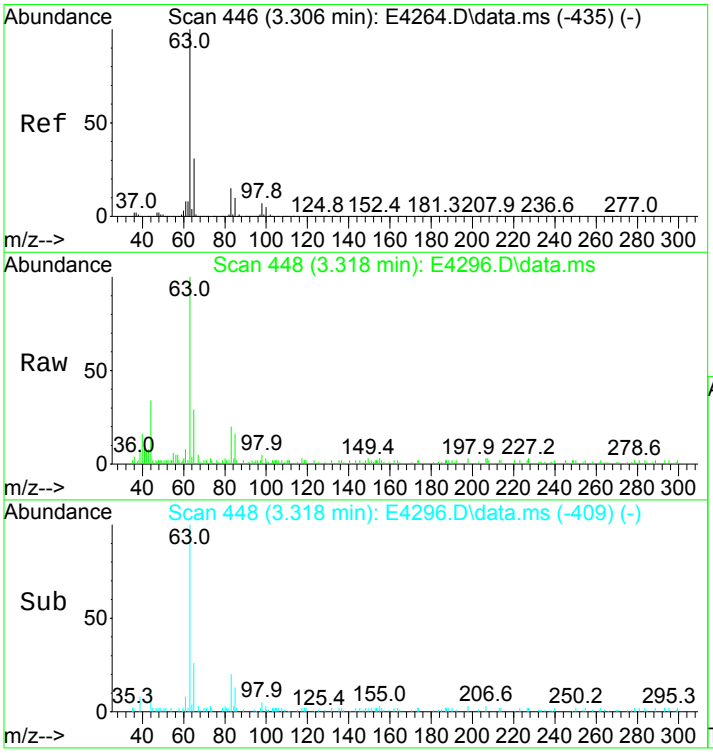


#27
trans-1,2-Dichloroethene
Concen: 0.23 ug/L
RT: 2.837 min Scan# 369
Delta R.T. -0.000 min
Lab File: E4296.D
Acq: 05 Aug 2023 06:25 pm

Tgt Ion: 96 Resp: 718

Ion	Ratio	Lower	Upper
96	100		
98	81.1	44.5	84.5
61	106.2	111.6	151.6#

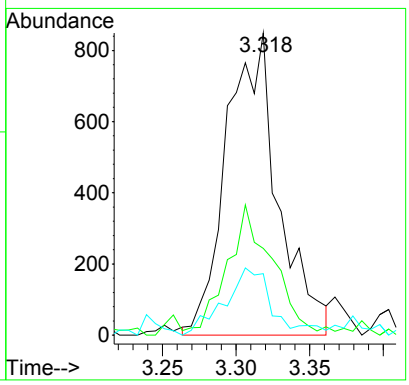


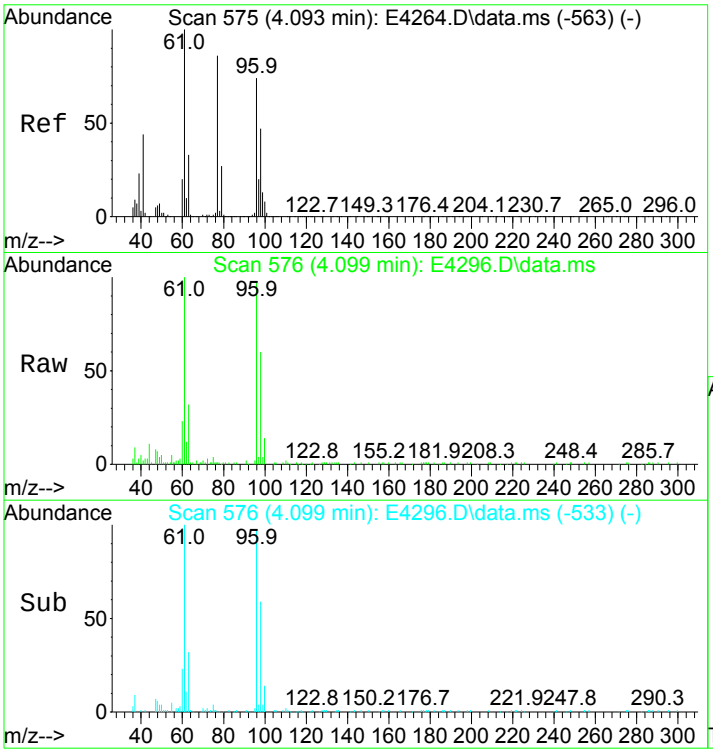


#28
1,1-Diclethane
Concen: 0.42 ug/L m
RT: 3.318 min Scan# 448
Delta R.T. 0.012 min
Lab File: E4296.D
Acq: 05 Aug 2023 06:25 pm

Tgt Ion: 63 Resp: 2071

Ion	Ratio	Lower	Upper
63	100		
65	28.7	11.1	51.1
83	20.4	0.0	34.8

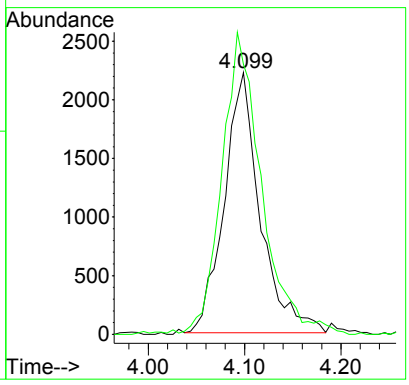


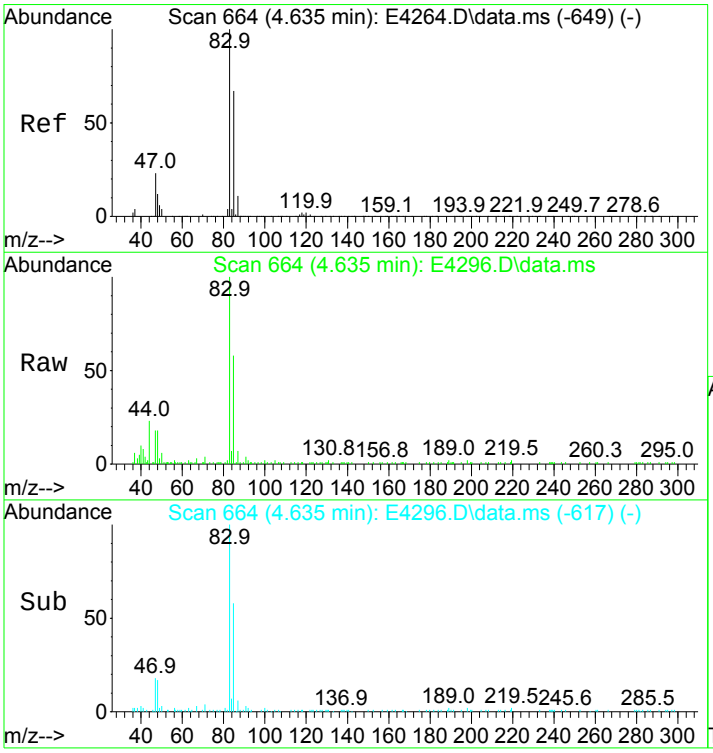


#34
cis-1,2-Dichloroethene
Concen: 1.70 ug/L
RT: 4.099 min Scan# 576
Delta R.T. 0.006 min
Lab File: E4296.D
Acq: 05 Aug 2023 06:25 pm

Tgt Ion: 96 Resp: 5761

Ion	Ratio	Lower	Upper
96	100		
61	103.2	116.1	156.1#

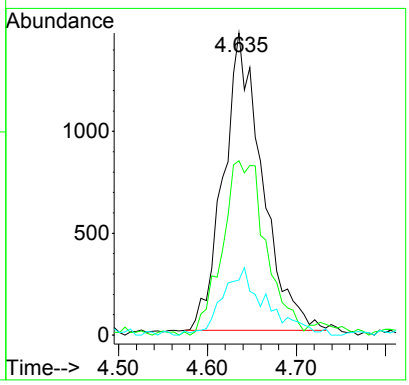


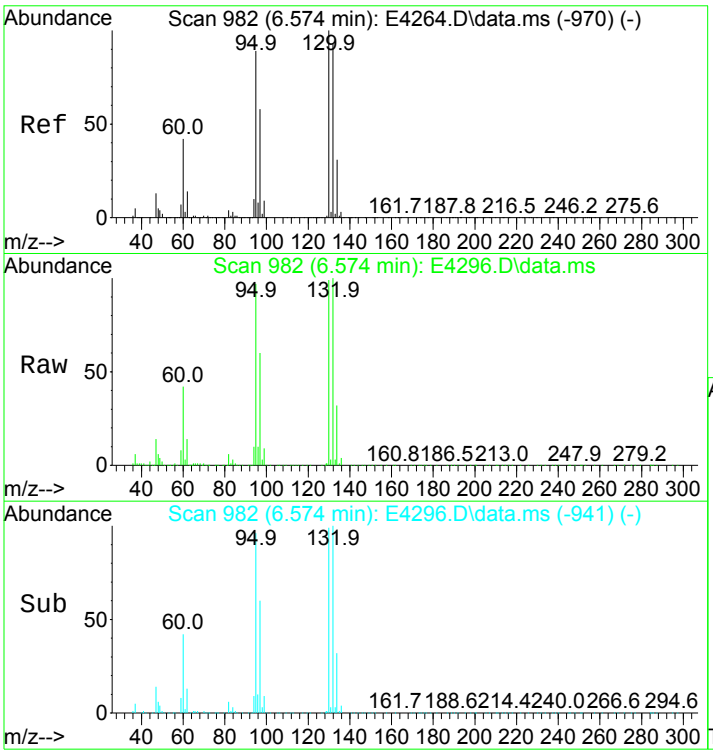


#40
Chloroform
Concen: 0.79 ug/L
RT: 4.635 min Scan# 664
Delta R.T. -0.000 min
Lab File: E4296.D
Acq: 05 Aug 2023 06:25 pm

Tgt Ion: 83 Resp: 4430

Ion	Ratio	Lower	Upper
83	100		
85	57.7	46.5	86.5
47	18.3	3.1	43.1

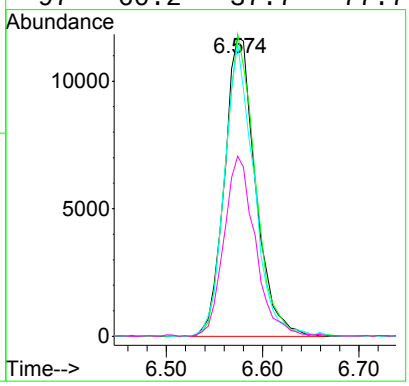


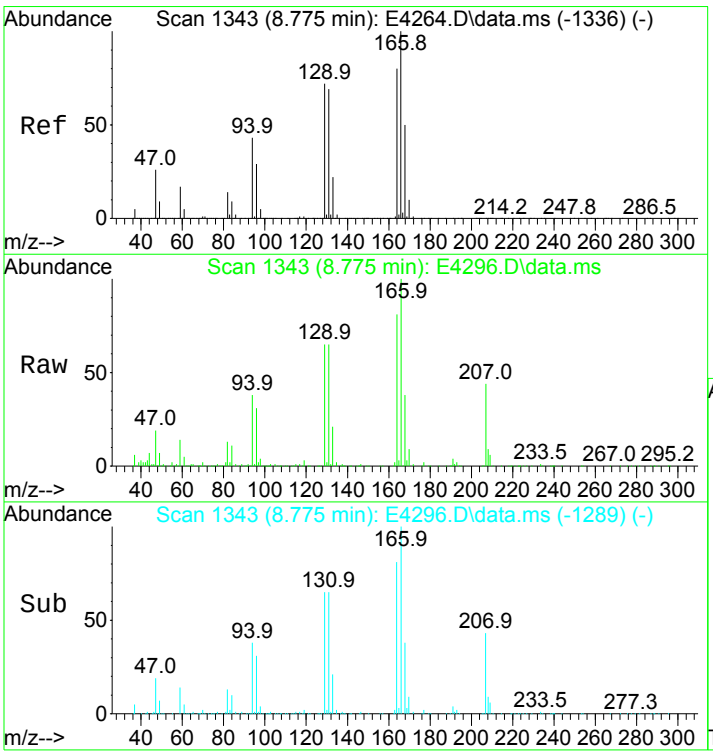


#54
Trichloroethene
Concen: 7.56 ug/L
RT: 6.574 min Scan# 982
Delta R.T. -0.000 min
Lab File: E4296.D
Acq: 05 Aug 2023 06:25 pm

Tgt Ion:130 Resp: 26329

Ion	Ratio	Lower	Upper
130	100		
132	101.0	73.0	113.0
95	98.0	68.9	108.9
97	60.2	37.7	77.7

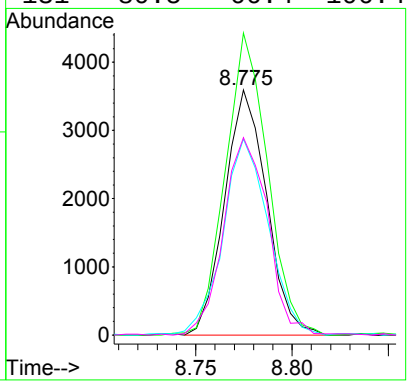




#72
Tetrachloroethene
Concen: 1.94 ug/L
RT: 8.775 min Scan# 1343
Delta R.T. -0.000 min
Lab File: E4296.D
Acq: 05 Aug 2023 06:25 pm

Tgt Ion:164 Resp: 5444

Ion	Ratio	Lower	Upper
164	100		
166	123.2	104.9	144.9
129	80.0	69.6	109.6
131	80.5	66.4	106.4



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\080523\
Data File : E4293.D
Acq On : 05 Aug 2023 05:16 pm
Operator : K.Ruest
Sample : R2306651-004|1.0
Misc : STANTEC 8260 T4
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 08 09:55:22 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration

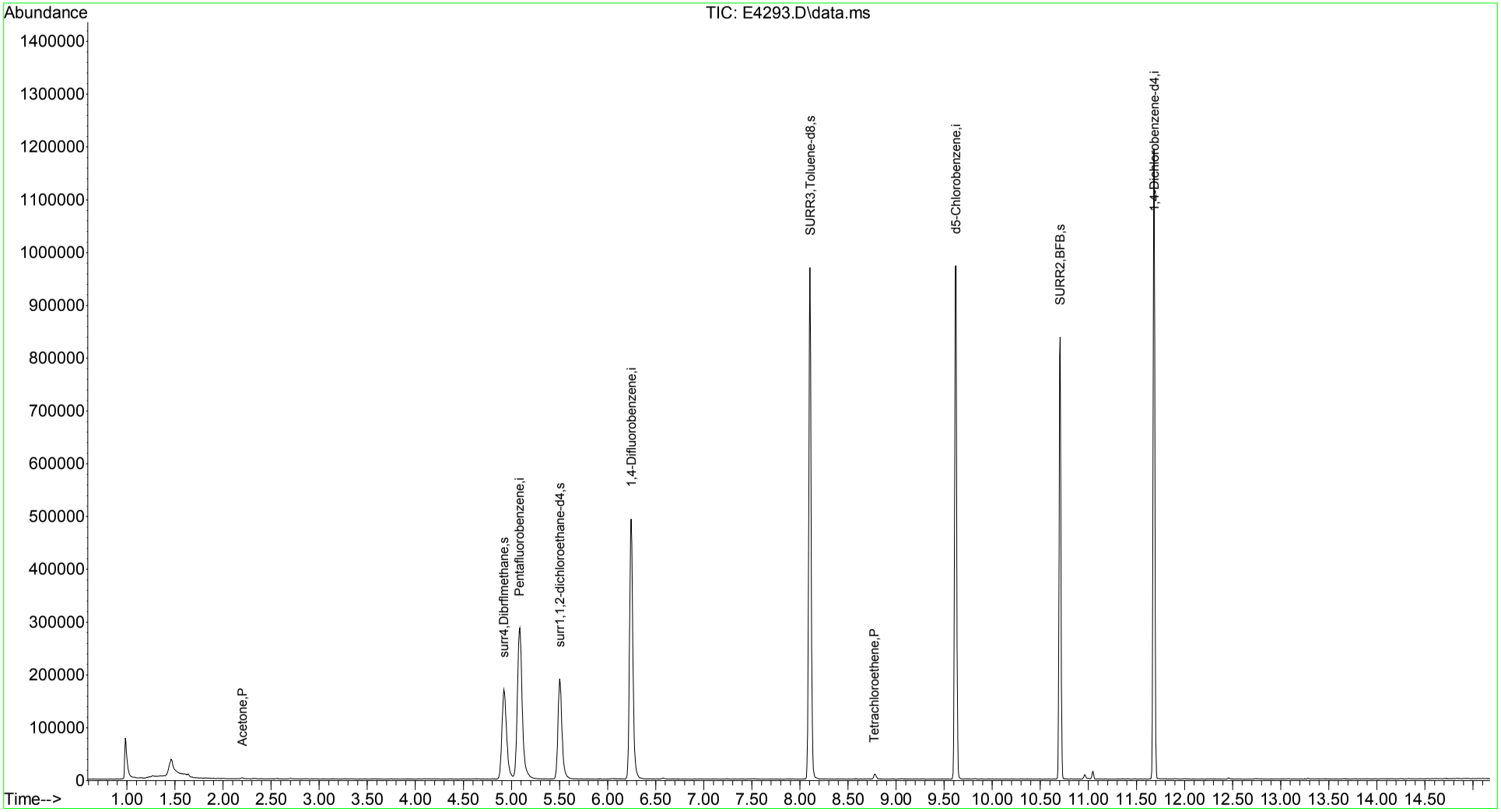
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.086	168	365886	50.00	ug/L	0.00
43) 1,4-Difluorobenzene	6.245	114	534501	50.00	ug/L	0.00
71) d5-Chlorobenzene	9.622	117	478916	50.00	ug/L	0.00
91) 1,4-Dichlorobenzene-d4	11.683	152	239635	50.00	ug/L	0.00
System Monitoring Compounds						
45) surr4,Dibrflmethane	4.922	113	173532	49.09	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 98.18%			
48) surr1,1,2-dichloroetha...	5.501	65	200586	49.52	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 99.04%			
65) SURR3,Toluene-d8	8.104	98	633479	49.27	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 98.54%			
70) SURR2,BFB	10.707	95	217011	44.30	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 88.60%			
Target Compounds						Qvalue
16) Acetone	2.197	43	2257	1.330	ug/L	84
72) Tetrachloroethene	8.775	164	774	0.266	ug/L #	74

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

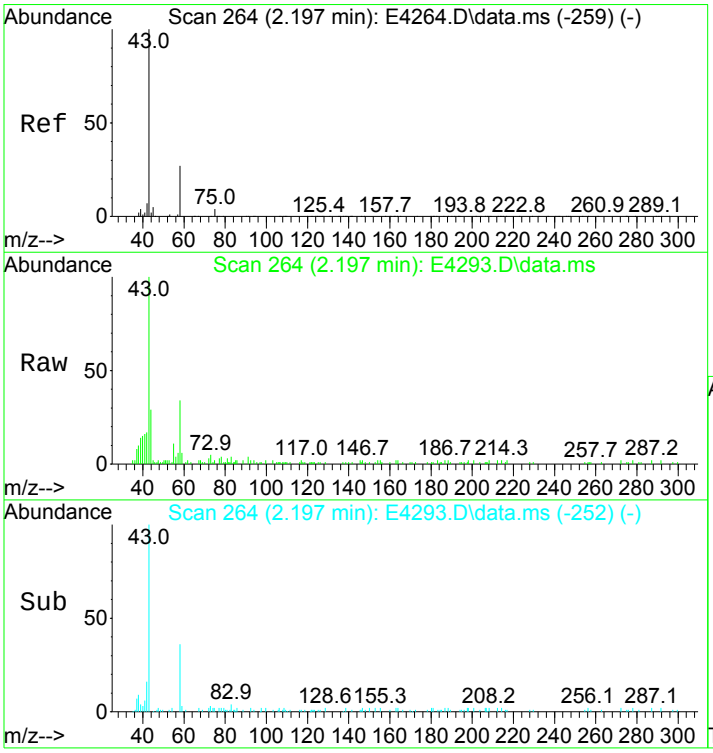
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\080523\
Data File : E4293.D
Acq On : 05 Aug 2023 05:16 pm
Operator : K.Ruest
Sample : R2306651-004|1.0
Misc : STANTEC 8260 T4
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 08 09:55:22 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration



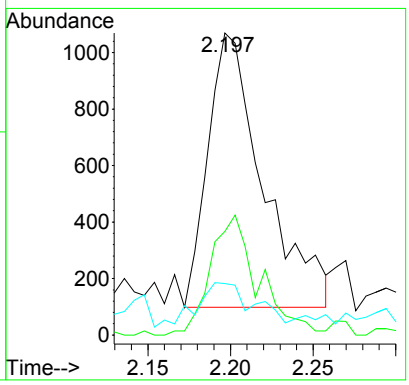
1st 08/09/23
2nd 08/09/23

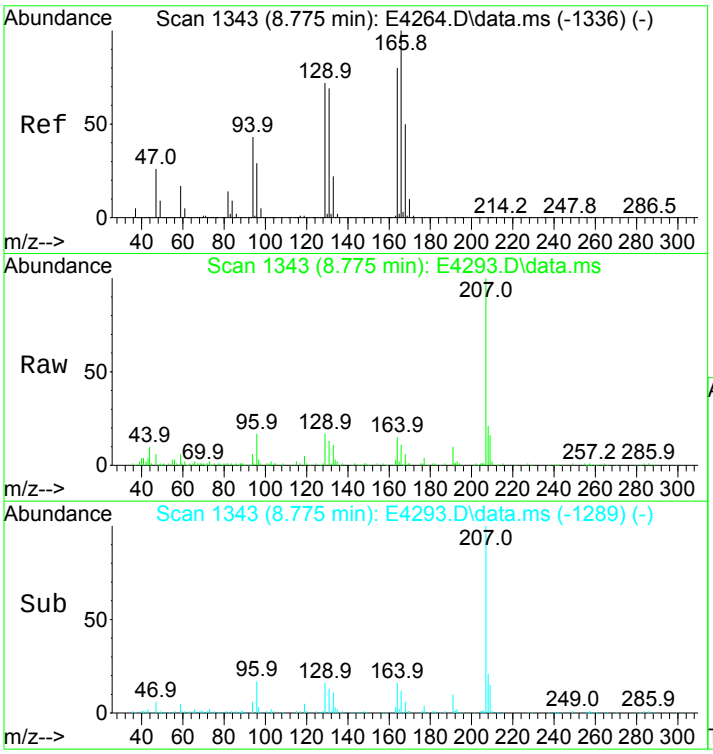


#16
Acetone
Concen: 1.33 ug/L
RT: 2.197 min Scan# 264
Delta R.T. -0.000 min
Lab File: E4293.D
Acq: 05 Aug 2023 05:16 pm

Tgt Ion: 43 Resp: 2257

Ion	Ratio	Lower	Upper
43	100		
58	34.3	7.7	47.7
42	17.0	0.0	27.6

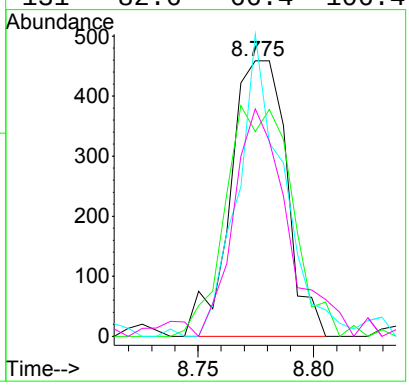




#72
Tetrachloroethene
Concen: 0.27 ug/L
RT: 8.775 min Scan# 1343
Delta R.T. -0.000 min
Lab File: E4293.D
Acq: 05 Aug 2023 05:16 pm

Tgt Ion:164 Resp: 774

Ion	Ratio	Lower	Upper
164	100		
166	74.3	104.9	144.9#
129	109.6	69.6	109.6
131	82.6	66.4	106.4



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\080523\
Data File : E4301.D
Acq On : 05 Aug 2023 08:20 pm
Operator : K.Ruest
Sample : R2306651-005|1.0
Misc : STANTEC 8260 T4
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Aug 08 09:59:46 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration

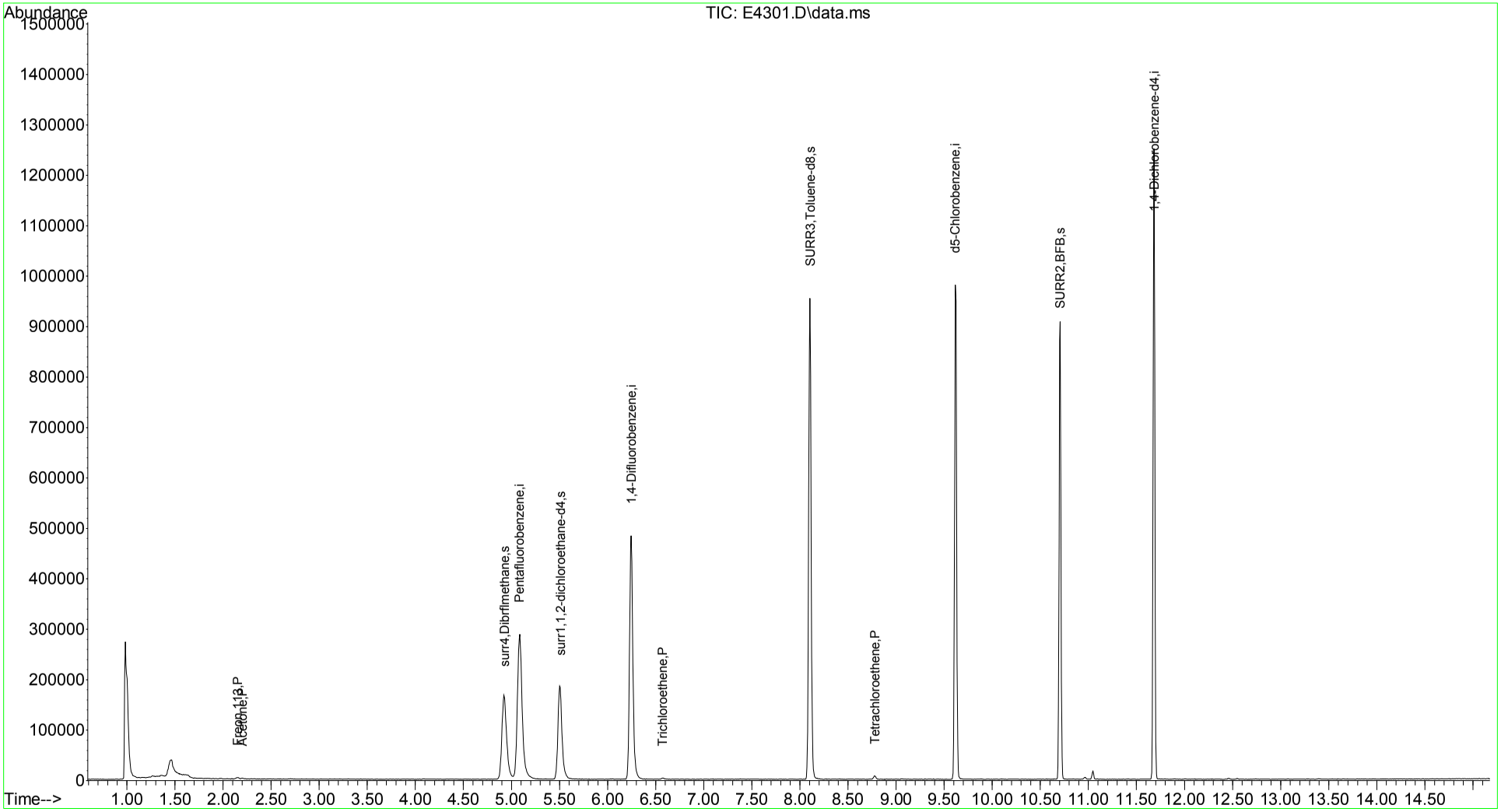
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.086	168	363802	50.00	ug/L	0.00
43) 1,4-Difluorobenzene	6.245	114	521810	50.00	ug/L	0.00
71) d5-Chlorobenzene	9.616	117	478184	50.00	ug/L	0.00
91) 1,4-Dichlorobenzene-d4	11.683	152	245718	50.00	ug/L	0.00
System Monitoring Compounds						
45) surr4,Dibrflmethane	4.928	113	171291	49.64	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 99.28%			
48) surr1,1,2-dichloroetha...	5.507	65	200454	50.70	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 101.40%			
65) SURR3,Toluene-d8	8.104	98	627432	49.99	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 99.98%			
70) SURR2,BFB	10.701	95	232627	48.64	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 97.28%			
Target Compounds						Qvalue
15) Freon 113	2.154	101	1224	0.405	ug/L #	69
16) Acetone	2.197	43	1479	0.876	ug/L	90
54) Trichloroethene	6.574	130	1077	0.307	ug/L #	82
72) Tetrachloroethene	8.781	164	1096	0.378	ug/L #	83

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

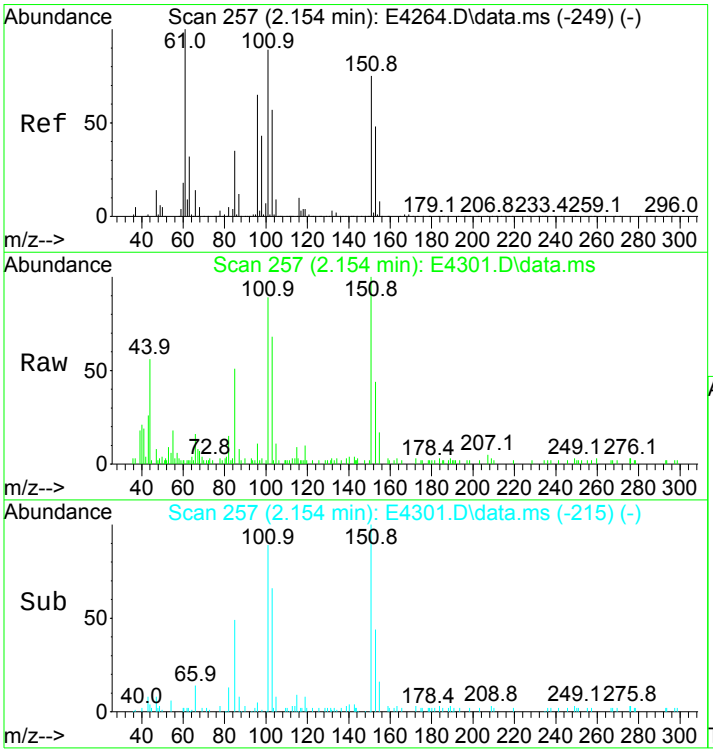
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\080523\
Data File : E4301.D
Acq On : 05 Aug 2023 08:20 pm
Operator : K.Ruest
Sample : R2306651-005|1.0
Misc : STANTEC 8260 T4
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Aug 08 09:59:46 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration



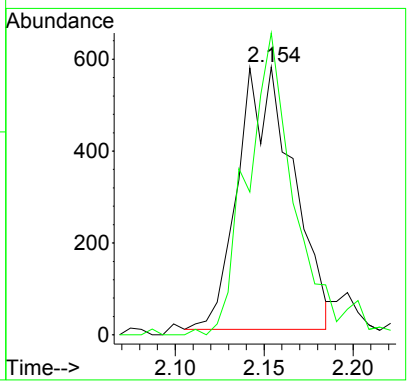
1st 08/09/23
2nd 08/09/23

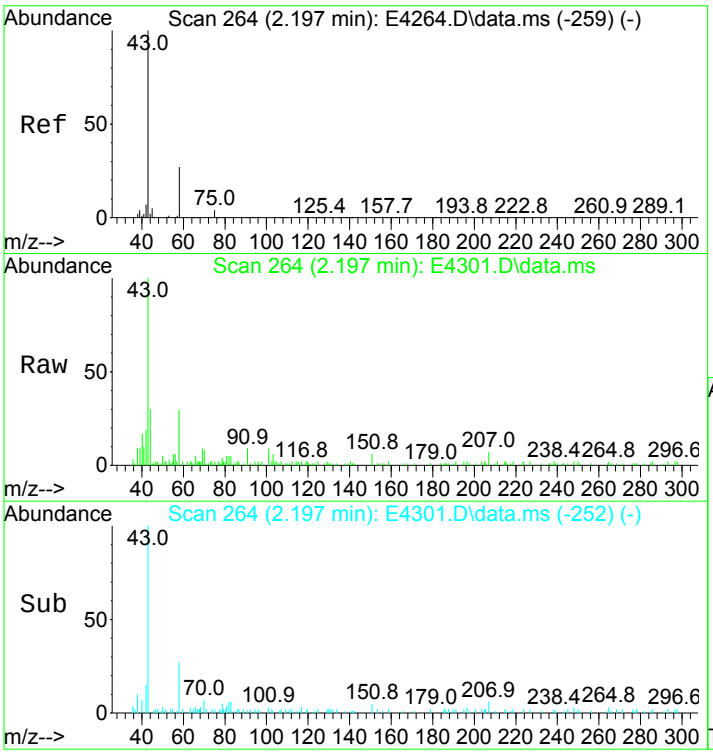


#15
Freon 113
Concen: 0.40 ug/L
RT: 2.154 min Scan# 257
Delta R.T. 0.000 min
Lab File: E4301.D
Acq: 05 Aug 2023 08:20 pm

Tgt Ion:101 Resp: 1224

Ion	Ratio	Lower	Upper
101	100		
151	112.7	64.6	104.6#

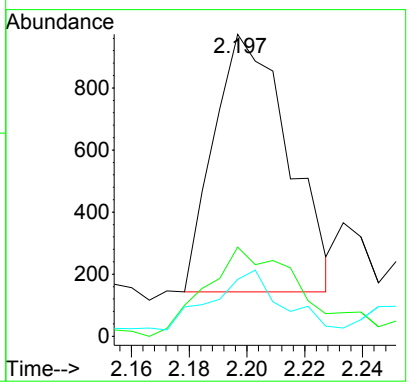


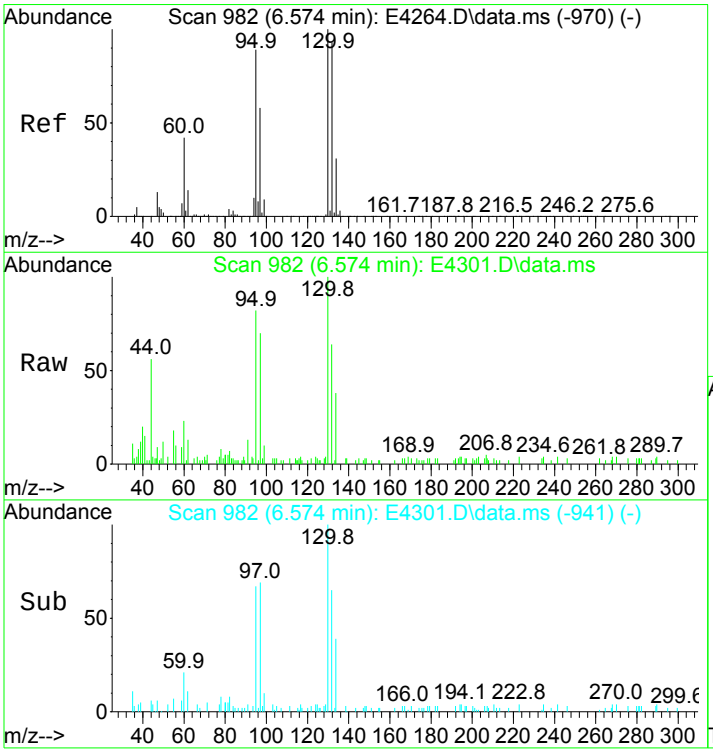


#16
Acetone
Concen: 0.88 ug/L
RT: 2.197 min Scan# 264
Delta R.T. 0.000 min
Lab File: E4301.D
Acq: 05 Aug 2023 08:20 pm

Tgt Ion: 43 Resp: 1479

Ion	Ratio	Lower	Upper
43	100		
58	29.6	7.7	47.7
42	18.8	0.0	27.6

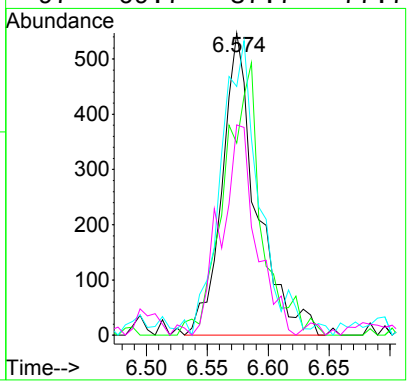


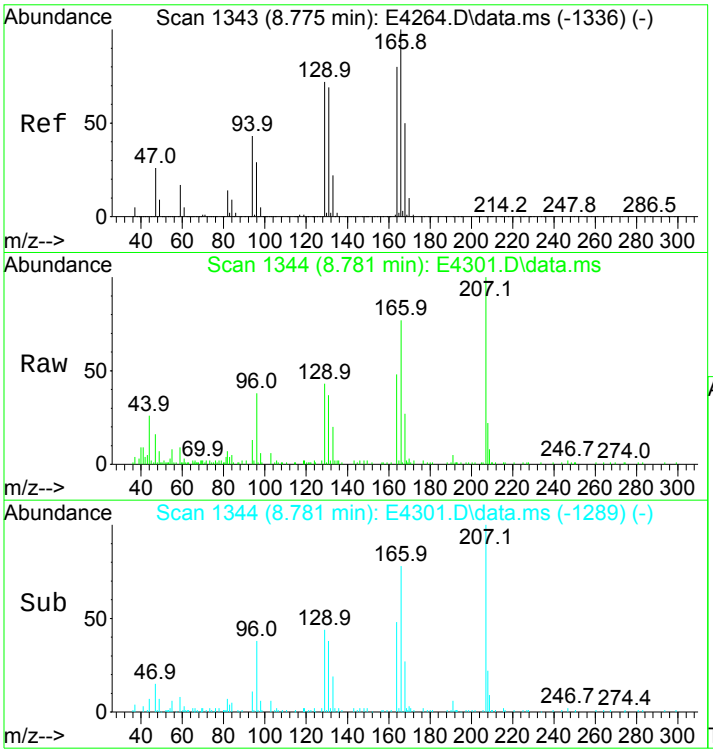


#54
Trichloroethene
Concen: 0.31 ug/L
RT: 6.574 min Scan# 982
Delta R.T. 0.000 min
Lab File: E4301.D
Acq: 05 Aug 2023 08:20 pm

Tgt Ion:130 Resp: 1077

Ion	Ratio	Lower	Upper
130	100		
132	63.6	73.0	113.0#
95	82.3	68.9	108.9
97	69.7	37.7	77.7

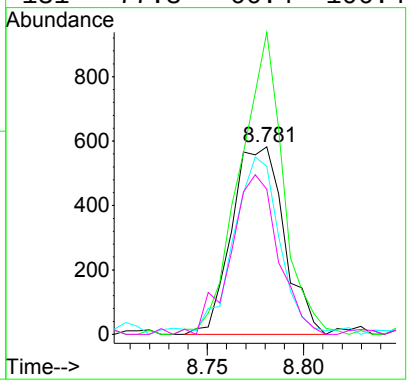




#72
Tetrachloroethene
Concen: 0.38 ug/L
RT: 8.781 min Scan# 1344
Delta R.T. 0.006 min
Lab File: E4301.D
Acq: 05 Aug 2023 08:20 pm

Tgt Ion:164 Resp: 1096

Ion	Ratio	Lower	Upper
164	100		
166	163.7	104.9	144.9#
129	89.7	69.6	109.6
131	77.3	66.4	106.4



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\080523\
Data File : E4297.D
Acq On : 05 Aug 2023 06:48 pm
Operator : K.Ruest
Sample : R2306651-006|1.0
Misc : STANTEC 8260 T4
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Aug 08 09:57:52 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration

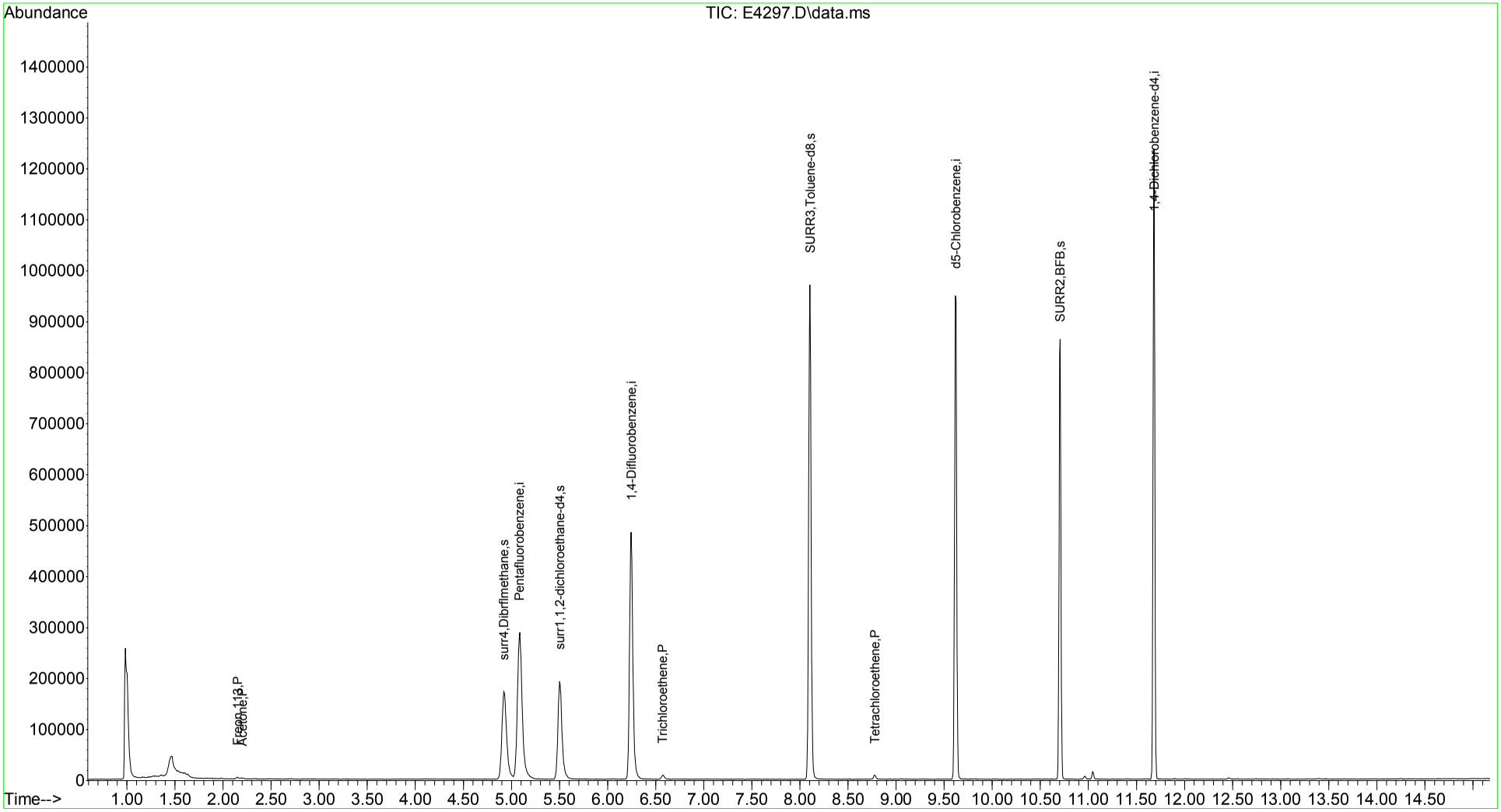
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.086	168	362521	50.00	ug/L	0.00
43) 1,4-Difluorobenzene	6.245	114	523017	50.00	ug/L	0.00
71) d5-Chlorobenzene	9.622	117	480643	50.00	ug/L	0.00
91) 1,4-Dichlorobenzene-d4	11.683	152	243648	50.00	ug/L	0.00
System Monitoring Compounds						
45) surr4,Dibrflmethane	4.922	113	178723	51.67	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 103.34%			
48) surr1,1,2-dichloroetha...	5.501	65	206486	52.10	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 104.20%			
65) SURR3,Toluene-d8	8.104	98	640646	50.92	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 101.84%			
70) SURR2,BFB	10.701	95	225959	47.14	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 94.28%			
Target Compounds						Qvalue
15) Freon 113	2.148	101	1477	0.490	ug/L	99
16) Acetone	2.197	43	2271	1.350	ug/L	84
54) Trichloroethene	6.574	130	3234	0.918	ug/L #	89
72) Tetrachloroethene	8.781	164	1101	0.377	ug/L #	70

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

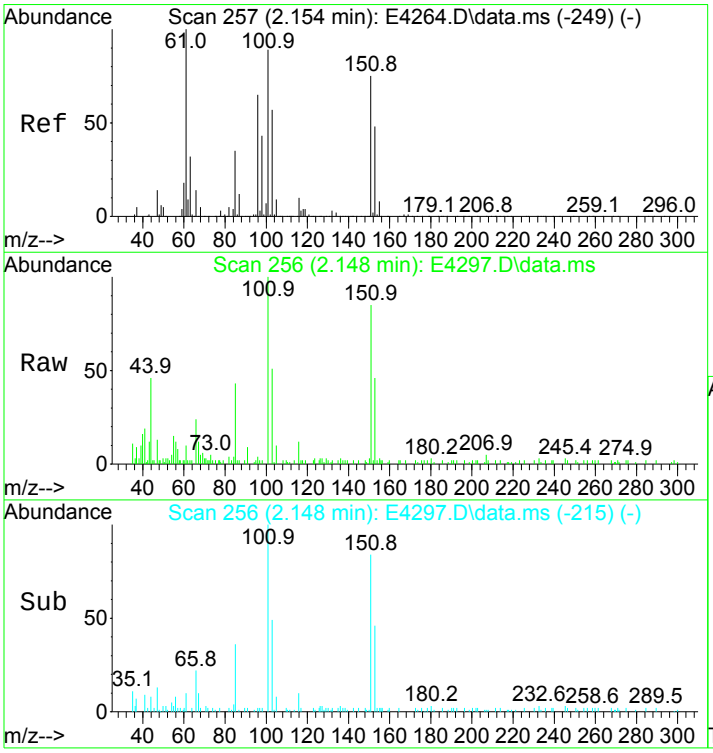
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\080523\
Data File : E4297.D
Acq On : 05 Aug 2023 06:48 pm
Operator : K.Ruest
Sample : R2306651-006|1.0
Misc : STANTEC 8260 T4
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Aug 08 09:57:52 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration



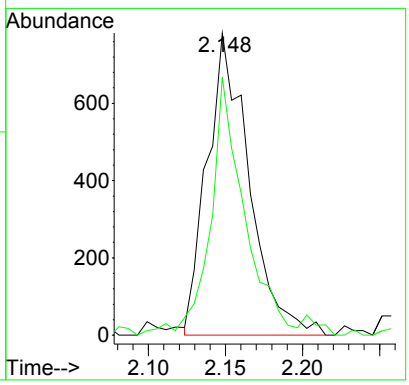
1st 08/09/23
2nd 08/09/23

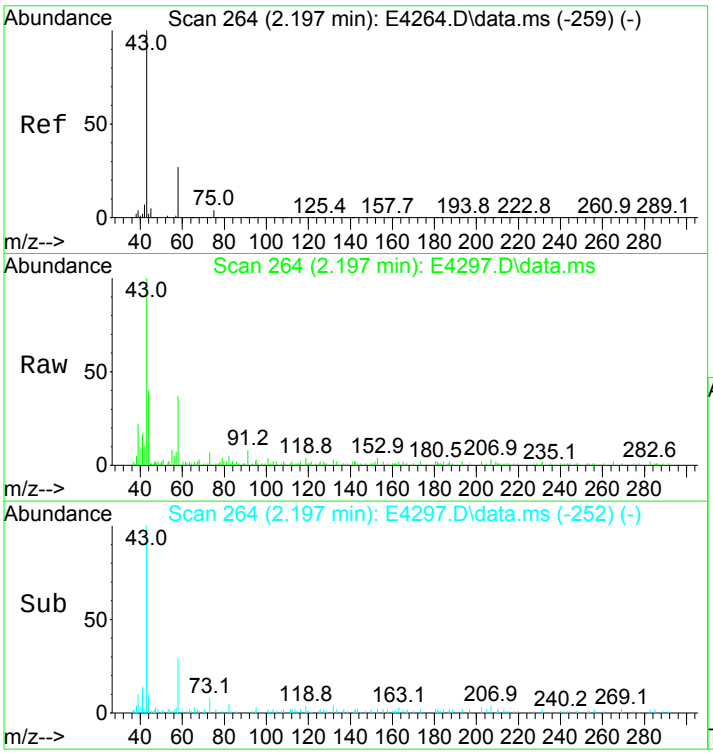


#15
Freon 113
Concen: 0.49 ug/L
RT: 2.148 min Scan# 256
Delta R.T. -0.006 min
Lab File: E4297.D
Acq: 05 Aug 2023 06:48 pm

Tgt Ion:101 Resp: 1477

Ion	Ratio	Lower	Upper
101	100		
151	85.4	64.6	104.6

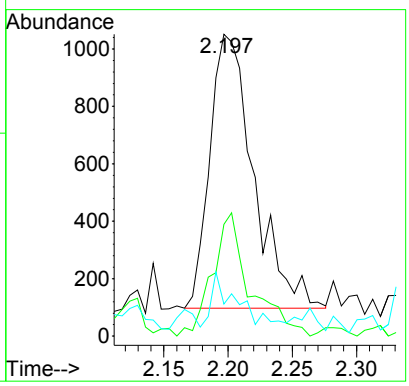


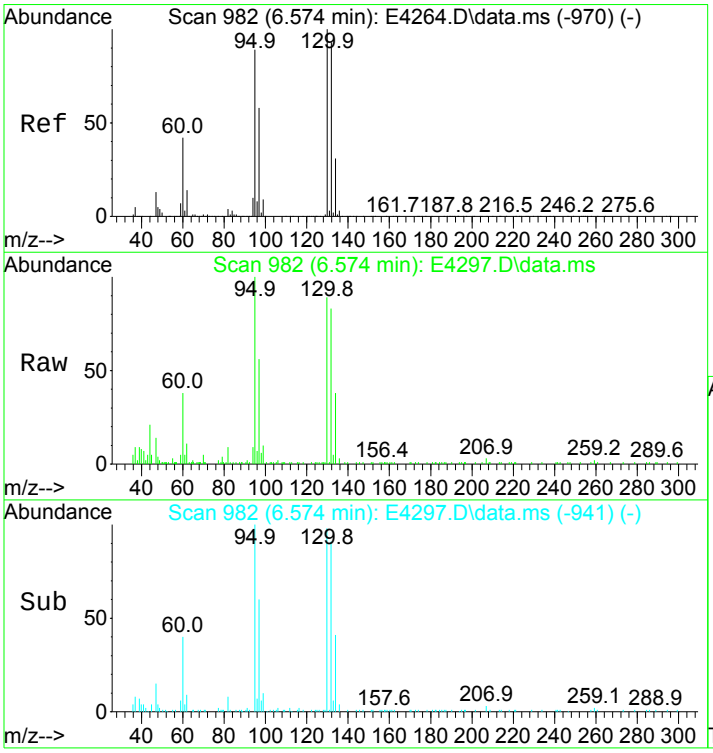


#16
Acetone
Concen: 1.35 ug/L
RT: 2.197 min Scan# 264
Delta R.T. -0.000 min
Lab File: E4297.D
Acq: 05 Aug 2023 06:48 pm

Tgt Ion: 43 Resp: 2271

Ion	Ratio	Lower	Upper
43	100		
58	37.0	7.7	47.7
42	10.7	0.0	27.6

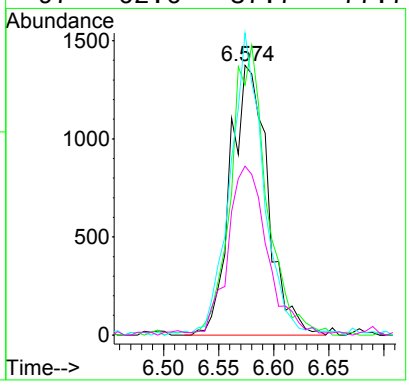


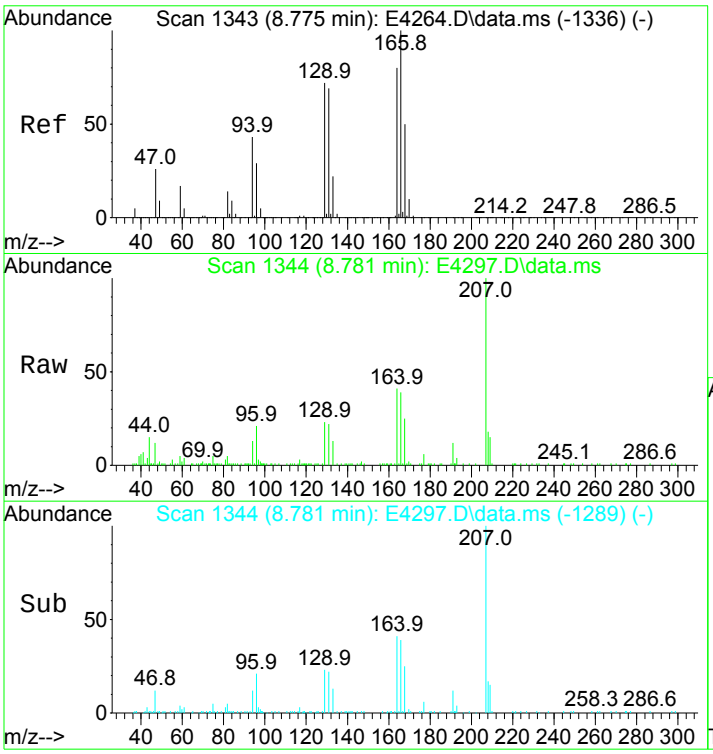


#54
Trichloroethene
Concen: 0.92 ug/L
RT: 6.574 min Scan# 982
Delta R.T. -0.000 min
Lab File: E4297.D
Acq: 05 Aug 2023 06:48 pm

Tgt Ion:130 Resp: 3234

Ion	Ratio	Lower	Upper
130	100		
132	92.6	73.0	113.0
95	112.0	68.9	108.9#
97	62.6	37.7	77.7

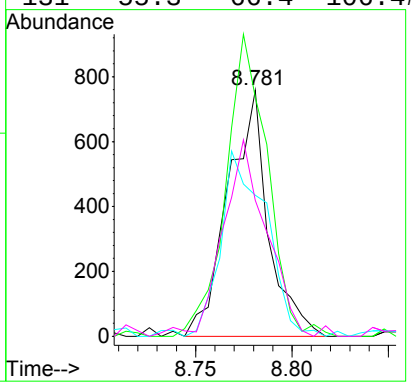




#72
Tetrachloroethene
Concen: 0.38 ug/L
RT: 8.781 min Scan# 1344
Delta R.T. 0.006 min
Lab File: E4297.D
Acq: 05 Aug 2023 06:48 pm

Tgt Ion:164 Resp: 1101

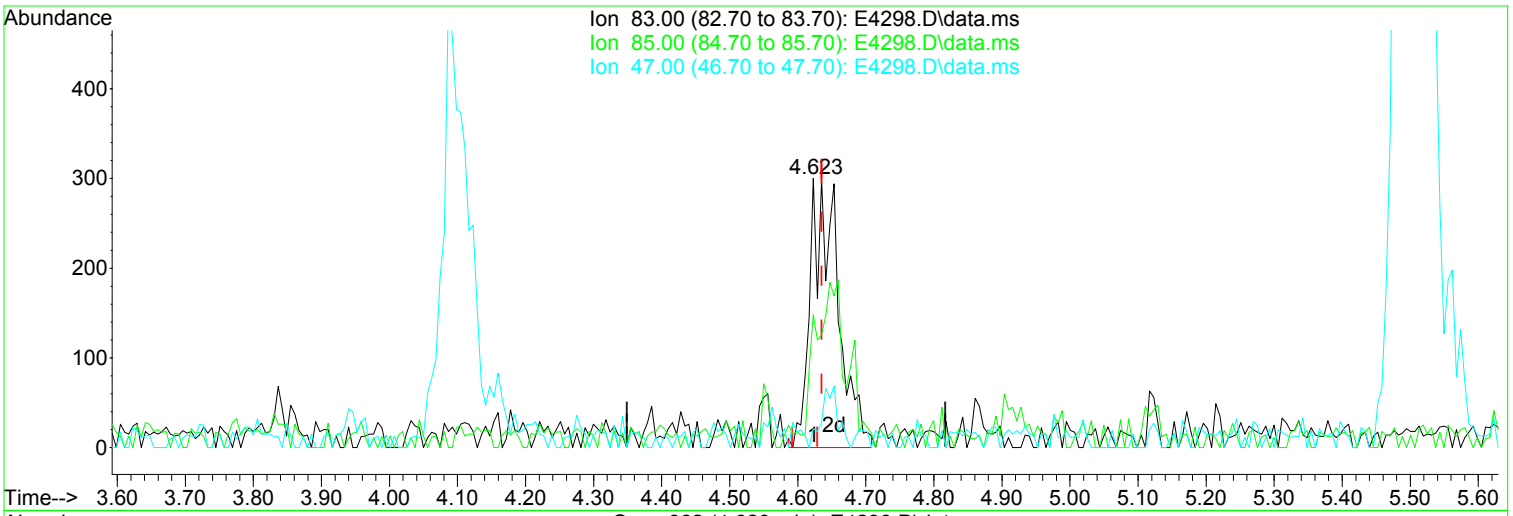
Ion	Ratio	Lower	Upper
164	100		
166	97.2	104.9	144.9#
129	57.4	69.6	109.6#
131	55.3	66.4	106.4#

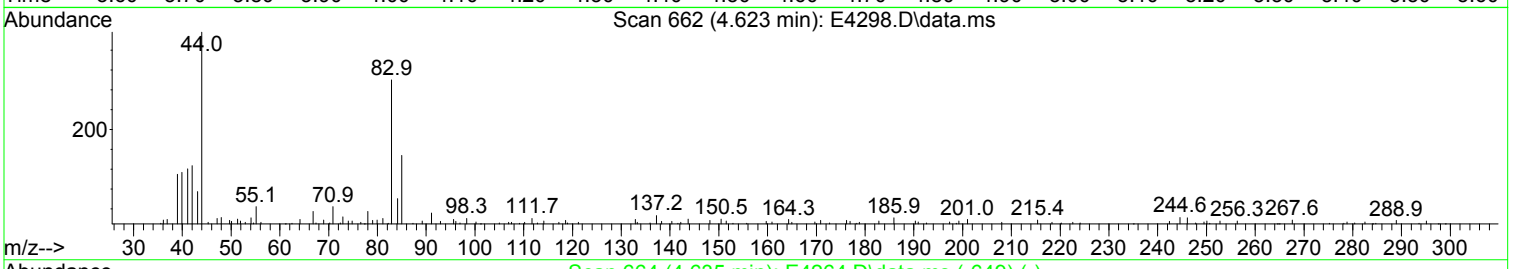


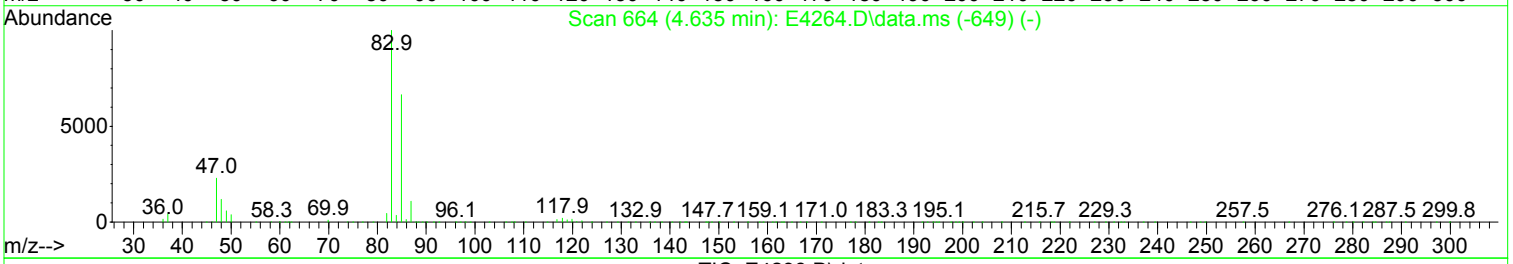
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080523\
Data File : E4298.D
Acq On : 05 Aug 2023 07:11 pm
Operator : K.Ruest
Sample : R2306651-007|5.0
Misc : STANTEC 8260 T4
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 08 09:58:23 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration







TIC: E4298.D\data.ms

(40) Chloroform (P)

4.623min (-0.012) 0.15 ug/L m

response 849

Ion	Exp%	Act%
83.00	100.00	100.00
85.00	66.50	49.33
47.00	23.10	7.00
0.00	0.00	0.00

Manual Integration:

After

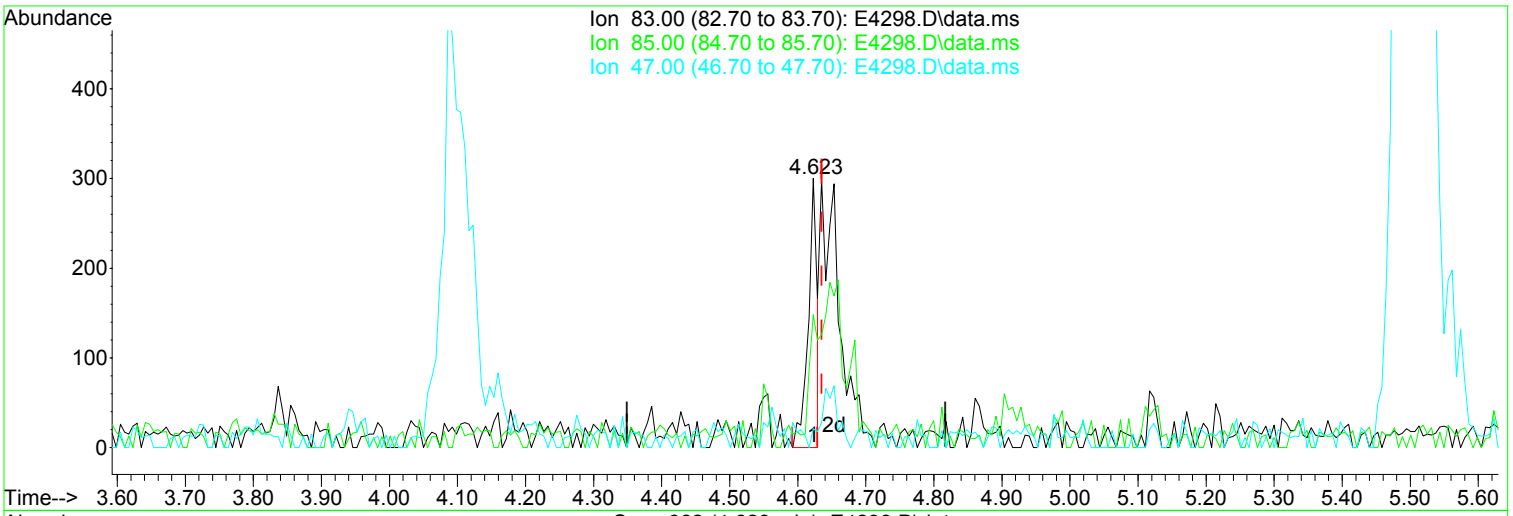
Split Peak.

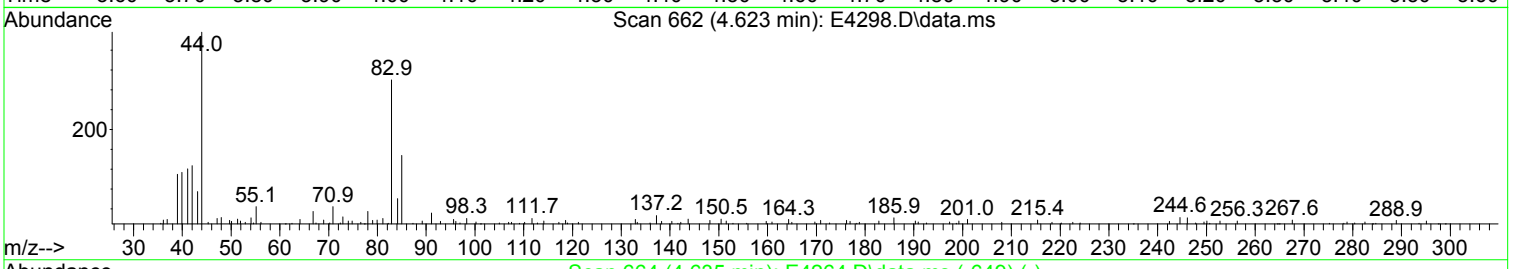
08/09/23

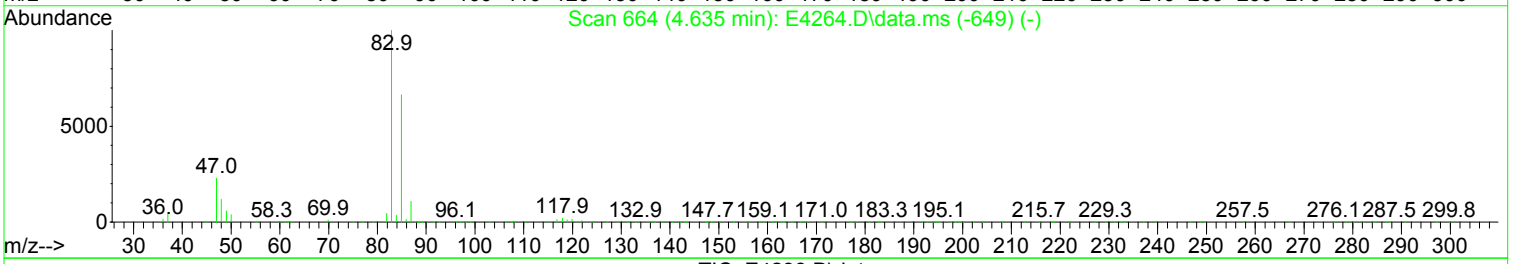
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080523\
Data File : E4298.D
Acq On : 05 Aug 2023 07:11 pm
Operator : K.Ruest
Sample : R2306651-007|5.0
Misc : STANTEC 8260 T4
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 08 09:58:23 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration







TIC: E4298.D\data.ms

(40) Chloroform (P)

4.623min (-0.012) 0.05 ug/L

response 273

Ion	Exp%	Act%
83.00	100.00	100.00
85.00	66.50	49.33
47.00	23.10	7.00
0.00	0.00	0.00

Manual Integration:

Before

08/09/23

1st 08/09/23
2nd 08/09/23

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\080523\
Data File : E4298.D
Acq On : 05 Aug 2023 07:11 pm
Operator : K.Ruest
Sample : R2306651-007|5.0
Misc : STANTEC 8260 T4 repeat 10
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 08 09:58:23 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.086	168	368181	50.00	ug/L	0.00
43) 1,4-Difluorobenzene	6.245	114	529643	50.00	ug/L	0.00
71) d5-Chlorobenzene	9.616	117	488487	50.00	ug/L	0.00
91) 1,4-Dichlorobenzene-d4	11.683	152	247215	50.00	ug/L	0.00
System Monitoring Compounds						
45) surr4,Dibrflmethane	4.922	113	174021	49.68	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 99.36%			
48) surr1,1,2-dichloroetha...	5.507	65	201051	50.09	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 100.18%			
65) SURR3,Toluene-d8	8.104	98	645870	50.69	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 101.38%			
70) SURR2,BFB	10.707	95	234526	48.31	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 96.62%			
Target Compounds						Qvalue
11) Freon 123a	1.971	67	3397	1.053	ug/L	80
14) 1,1-Diclethene	2.148	96	2469	0.884	ug/L	96
16) Acetone	2.203	43	1179	0.690	ug/L	84
27) trans-1,2-Dichloroethene	2.843	96	17221	5.439	ug/L	94
28) 1,1-Diclethane	3.306	63	25087	4.989	ug/L	96
34) cis-1,2-Dichloroethene	4.099	96	18795	5.414	ug/L	86
54) Trichloroethene	6.574	130	793263	222.442	ug/L	96

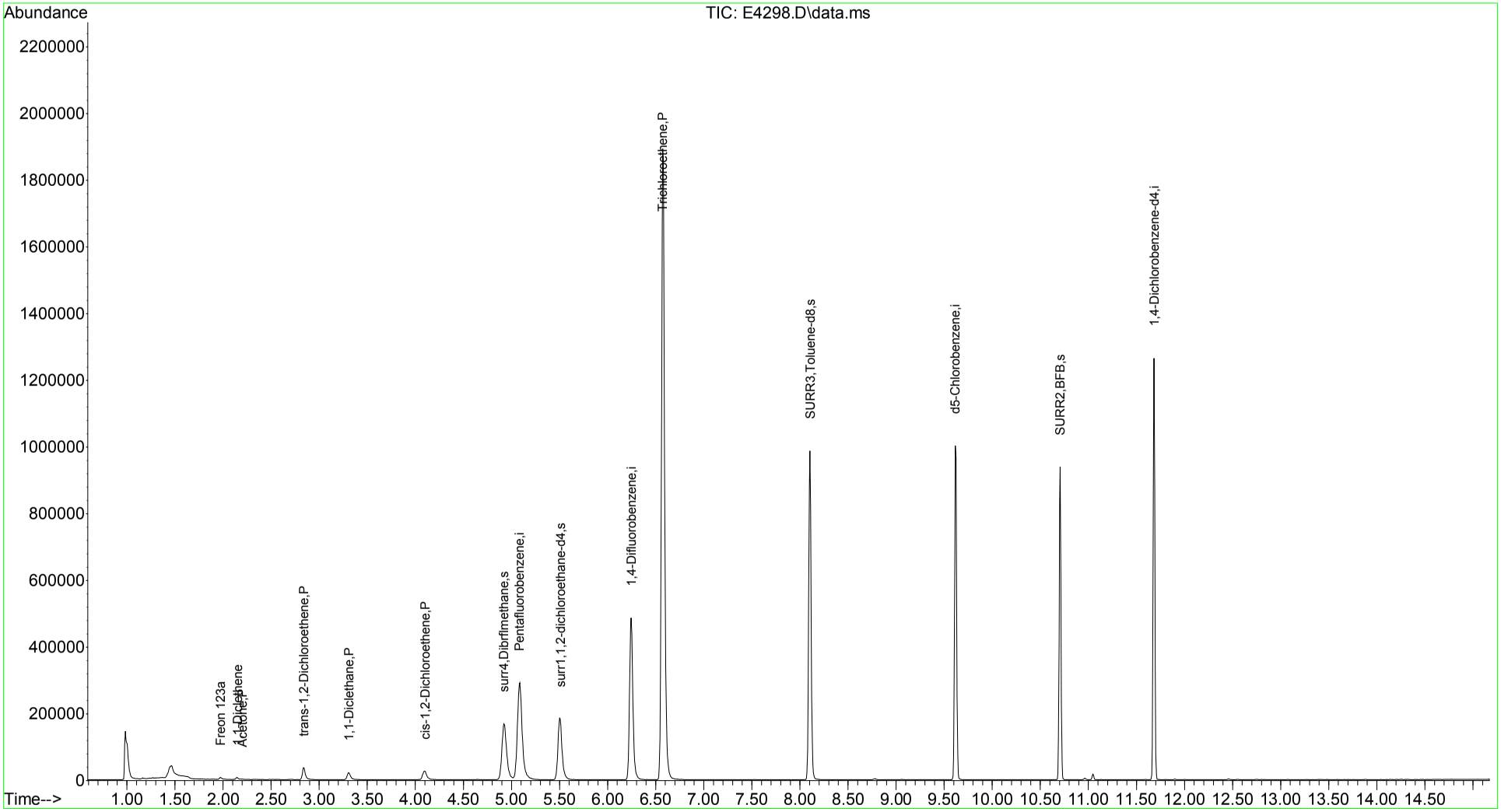
E-Over Calibration

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

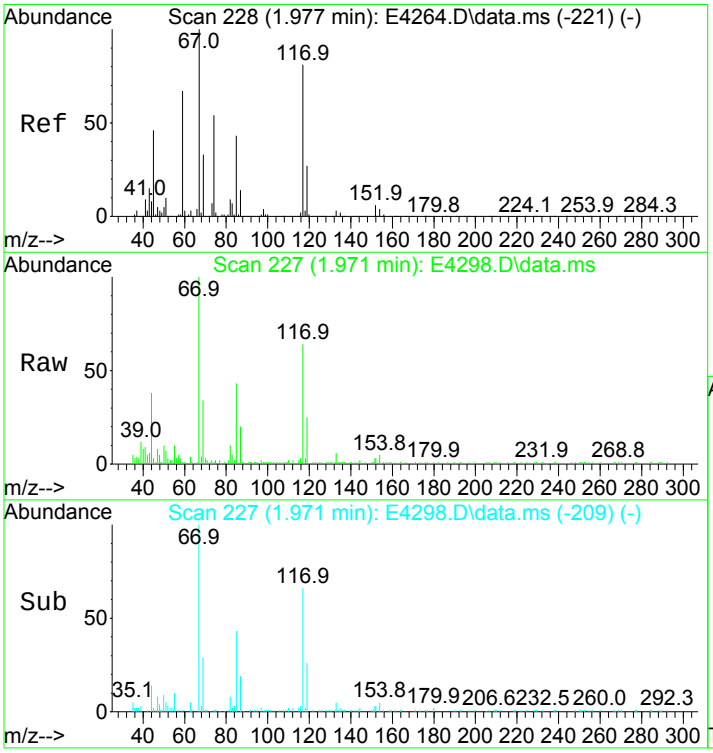
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\080523\
Data File : E4298.D
Acq On : 05 Aug 2023 07:11 pm
Operator : K.Ruest
Sample : R2306651-007|5.0
Misc : STANTEC 8260 T4
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 08 09:58:23 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration



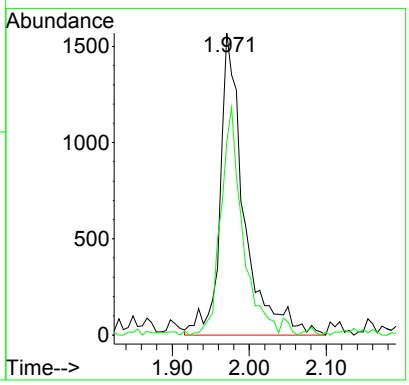
1st 08/09/23
2nd 08/09/23

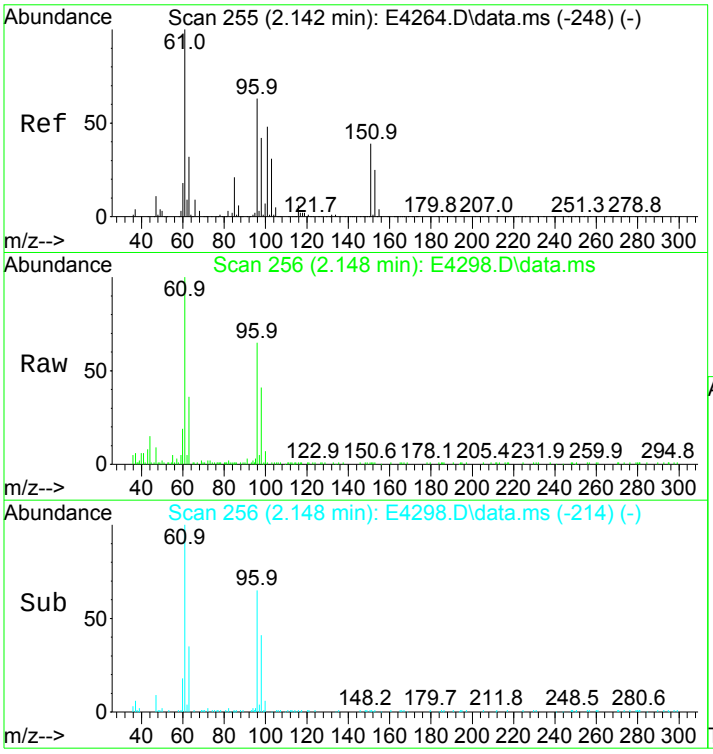


#11
Freon 123a
Concen: 1.05 ug/L
RT: 1.971 min Scan# 227
Delta R.T. -0.006 min
Lab File: E4298.D
Acq: 05 Aug 2023 07:11 pm

Tgt Ion: 67 Resp: 3397

Ion	Ratio	Lower	Upper
67	100		
117	63.9	61.9	101.9

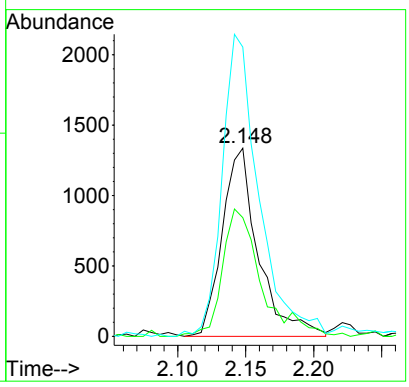


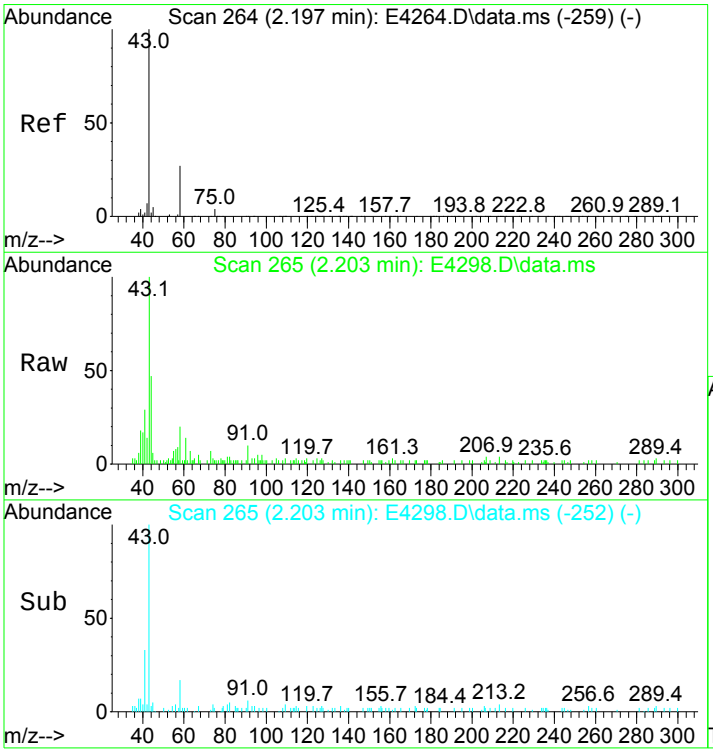


#14
1,1-Diclethene
Concen: 0.88 ug/L
RT: 2.148 min Scan# 256
Delta R.T. 0.006 min
Lab File: E4298.D
Acq: 05 Aug 2023 07:11 pm

Tgt Ion: 96 Resp: 2469

Ion	Ratio	Lower	Upper
96	100		
98	63.8	47.0	87.0
61	153.7	138.7	178.7

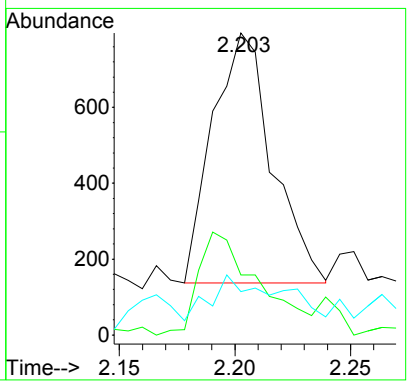


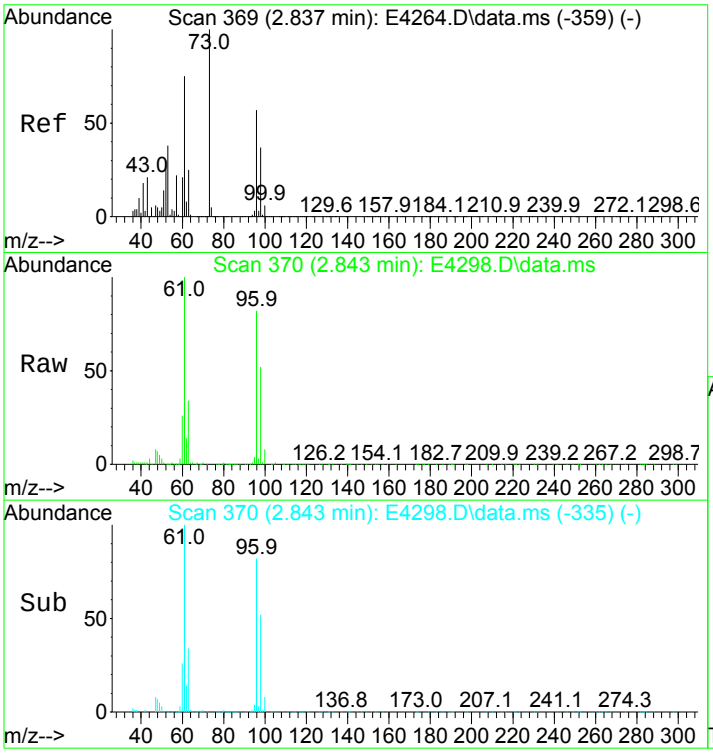


#16
Acetone
Concen: 0.69 ug/L
RT: 2.203 min Scan# 265
Delta R.T. 0.006 min
Lab File: E4298.D
Acq: 05 Aug 2023 07:11 pm

Tgt Ion: 43 Resp: 1179

Ion	Ratio	Lower	Upper
43	100		
58	19.8	7.7	47.7
42	14.3	0.0	27.6

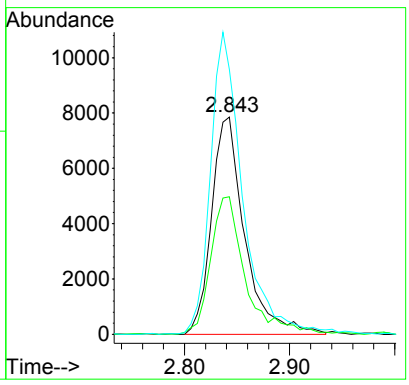


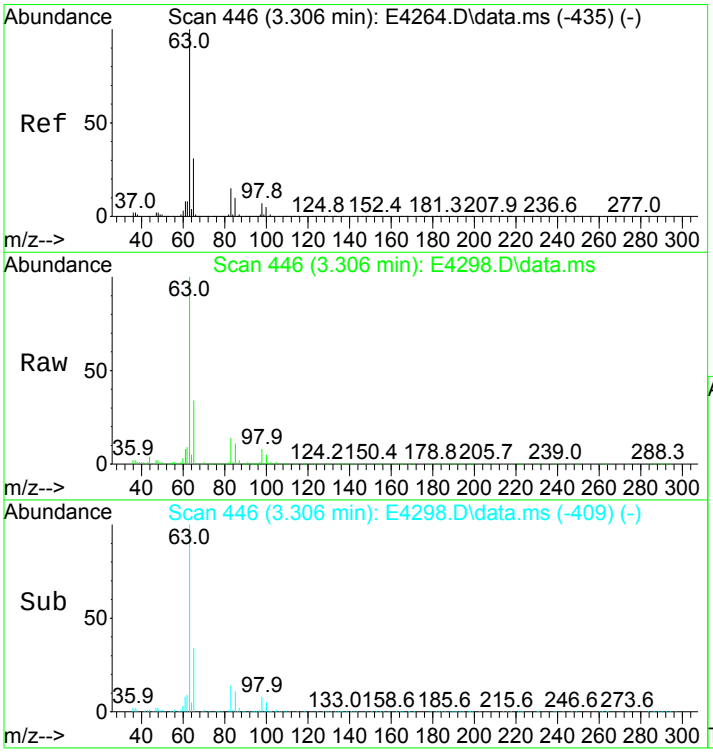


#27
trans-1,2-Dichloroethene
Concen: 5.44 ug/L
RT: 2.843 min Scan# 370
Delta R.T. 0.006 min
Lab File: E4298.D
Acq: 05 Aug 2023 07:11 pm

Tgt Ion: 96 Resp: 17221

Ion	Ratio	Lower	Upper
96	100		
98	63.3	44.5	84.5
61	121.9	111.6	151.6

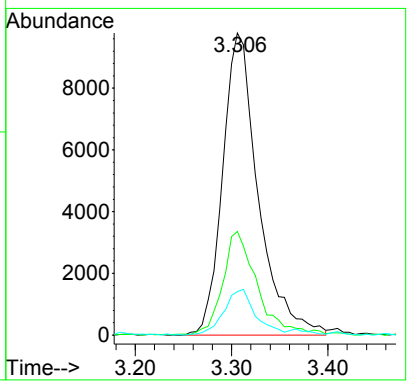


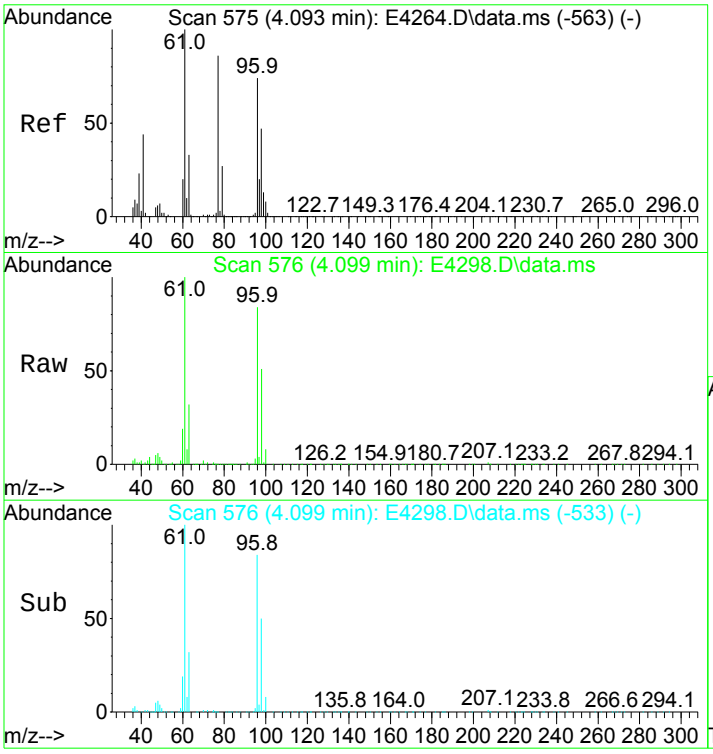


#28
1,1-Diclethane
Concen: 4.99 ug/L
RT: 3.306 min Scan# 446
Delta R.T. -0.000 min
Lab File: E4298.D
Acq: 05 Aug 2023 07:11 pm

Tgt Ion: 63 Resp: 25087

Ion	Ratio	Lower	Upper
63	100		
65	34.3	11.1	51.1
83	14.4	0.0	34.8

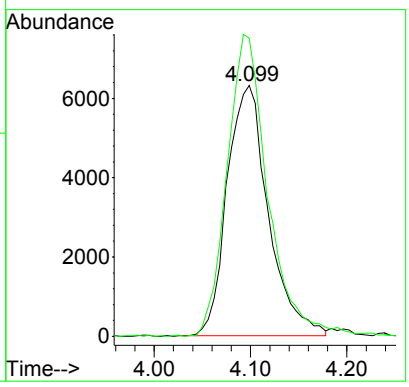


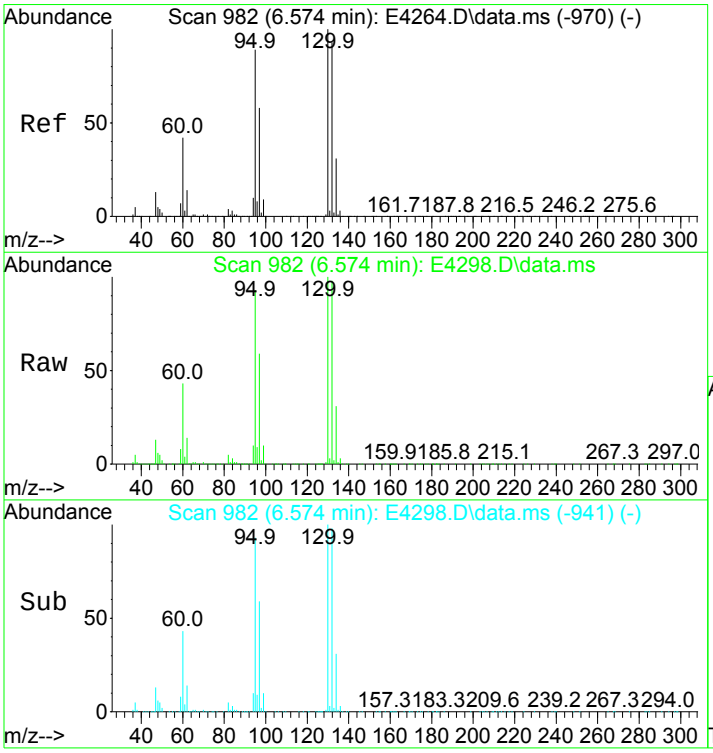


#34
cis-1,2-Dichloroethene
Concen: 5.41 ug/L
RT: 4.099 min Scan# 576
Delta R.T. 0.006 min
Lab File: E4298.D
Acq: 05 Aug 2023 07:11 pm

Tgt Ion: 96 Resp: 18795

Ion	Ratio	Lower	Upper
96	100		
61	119.0	116.1	156.1

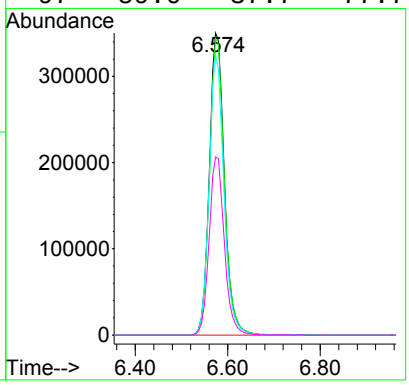




#54
Trichloroethene
Concen: 222.44 ug/L
RT: 6.574 min Scan# 982
Delta R.T. -0.000 min
Lab File: E4298.D
Acq: 05 Aug 2023 07:11 pm

Tgt Ion:130 Resp: 793263

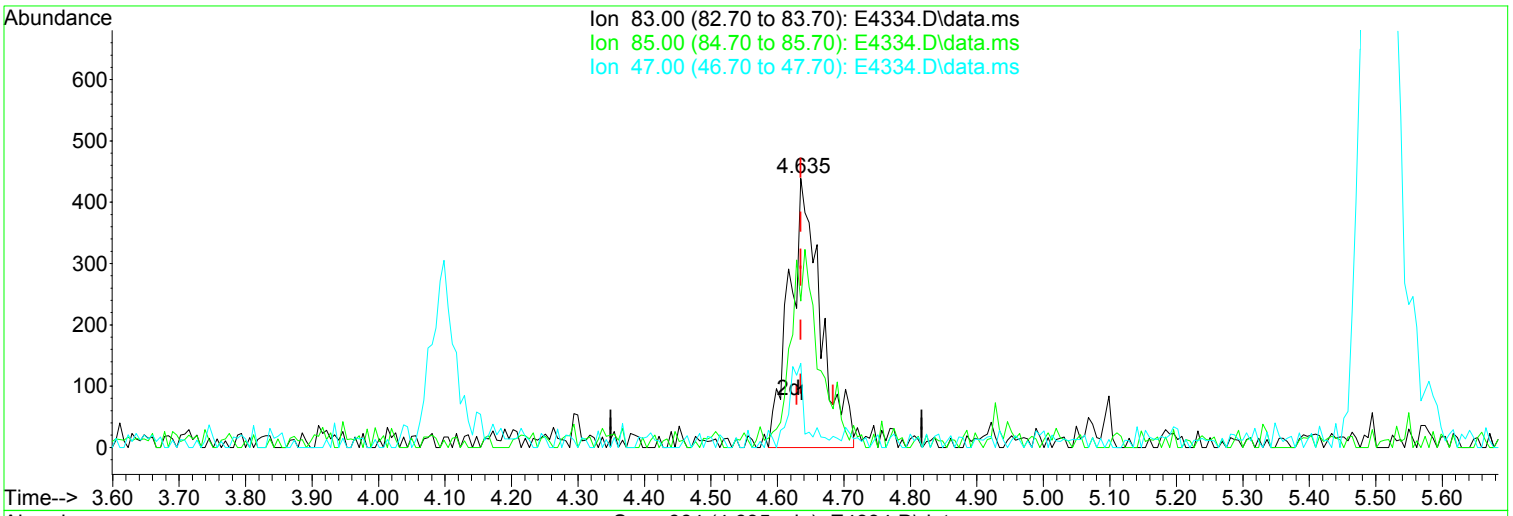
Ion	Ratio	Lower	Upper
130	100		
132	98.2	73.0	113.0
95	92.7	68.9	108.9
97	59.0	37.7	77.7

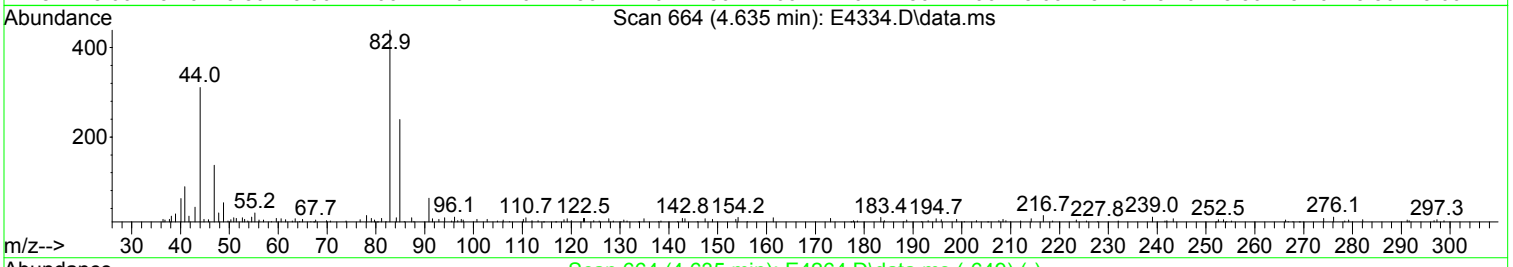


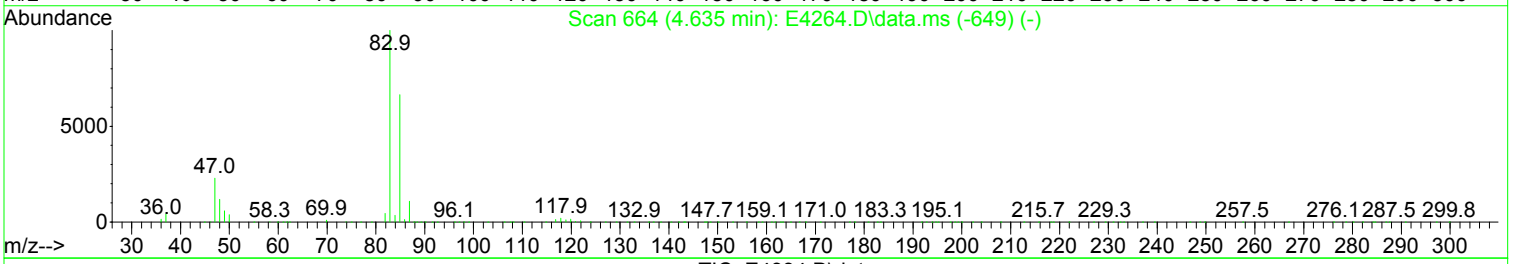
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080823\
Data File : E4334.D
Acq On : 08 Aug 2023 08:47 pm
Operator : K.Ruest
Sample : R2306651-007|10
Misc : STANTEC 8260 T4
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Aug 09 10:11:31 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration







TIC: E4334.D\data.ms

(40) Chloroform (P)

4.635min (-0.000) 0.27 ug/L m

response 1419

Ion	Exp%	Act%
83.00	100.00	100.00
85.00	66.50	54.44
47.00	23.10	31.21
0.00	0.00	0.00

Manual Integration:

After

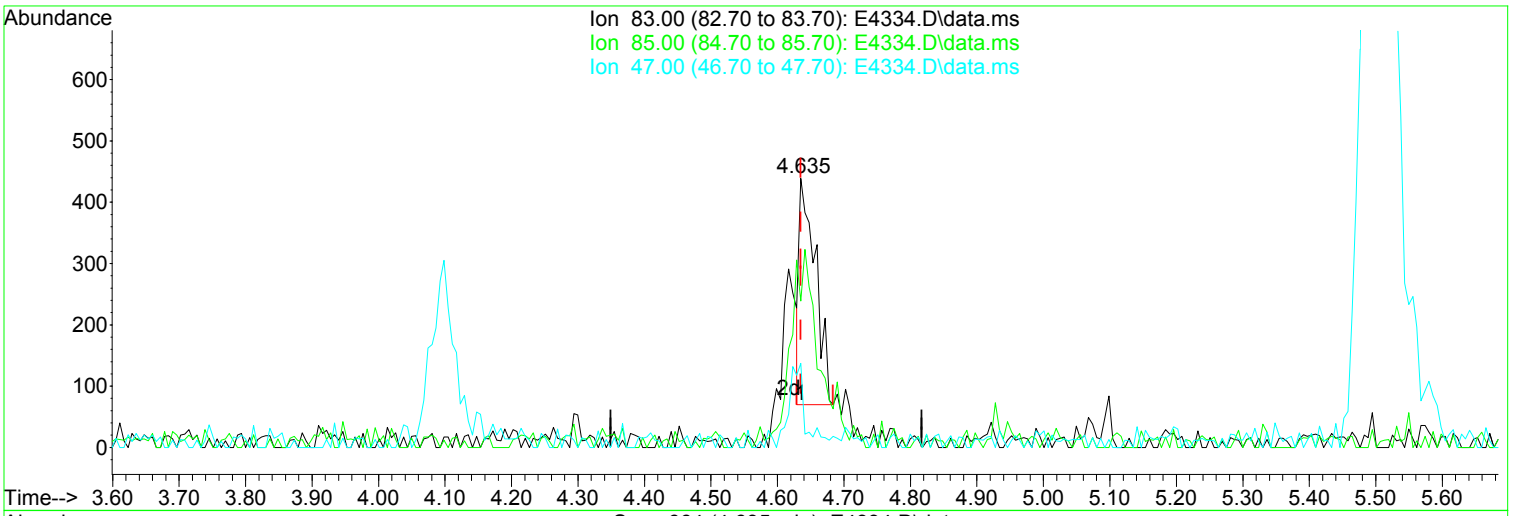
Split Peak.

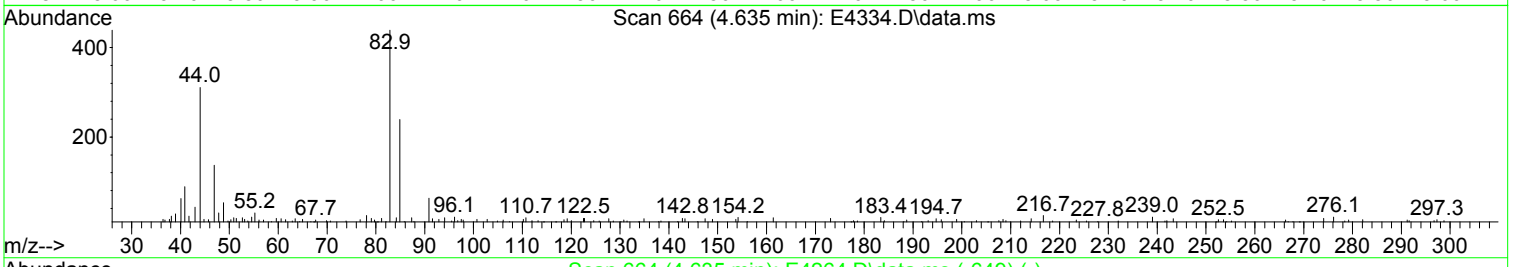
08/09/23

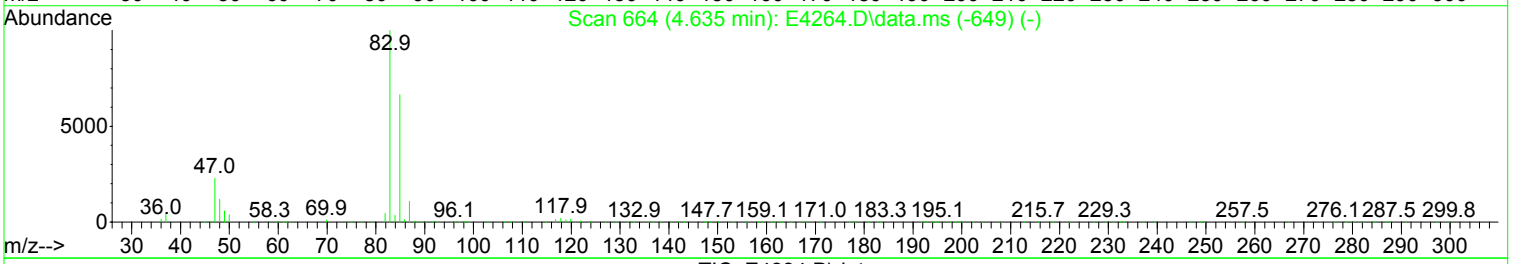
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080823\
Data File : E4334.D
Acq On : 08 Aug 2023 08:47 pm
Operator : K.Ruest
Sample : R2306651-007|10
Misc : STANTEC 8260 T4
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Aug 09 10:11:31 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration







TIC: E4334.D\data.ms

(40) Chloroform (P)

4.635min (-0.000) 0.12 ug/L

response 620

Ion	Exp%	Act%
83.00	100.00	100.00
85.00	66.50	54.44
47.00	23.10	31.21
0.00	0.00	0.00

Manual Integration:

Before

08/09/23

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\080823\
Data File : E4334.D
Acq On : 08 Aug 2023 08:47 pm
Operator : K.Ruest
Sample : R2306651-007|10
Misc : STANTEC 8260 T4
ALS Vial : 23 Sample Multiplier: 1

DL

Quant Time: Aug 09 10:11:31 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration

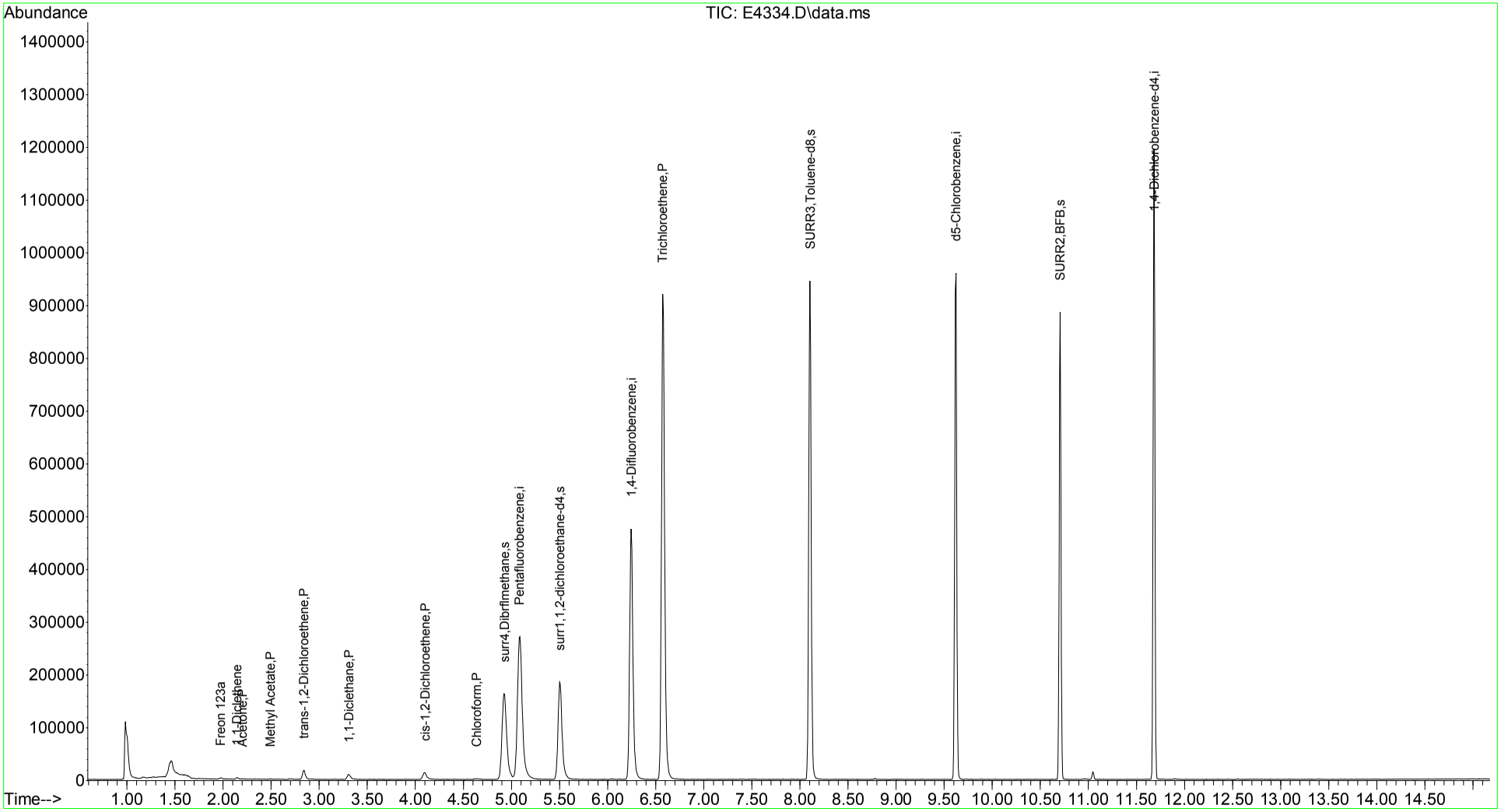
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.086	168	345187	50.00	ug/L	0.00
43) 1,4-Difluorobenzene	6.245	114	510311	50.00	ug/L	0.00
71) d5-Chlorobenzene	9.622	117	464782	50.00	ug/L	0.00
91) 1,4-Dichlorobenzene-d4	11.683	152	235709	50.00	ug/L	0.00
System Monitoring Compounds						
45) surr4,Dibrflmethane	4.928	113	168738	50.00	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 100.00%			
48) surr1,1,2-dichloroetha...	5.501	65	197583	51.10	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 102.20%			
65) SURR3,Toluene-d8	8.104	98	622366	50.70	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 101.40%			
70) SURR2,BFB	10.707	95	224138	47.92	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 95.84%			
Target Compounds						Qvalue
11) Freon 123a	1.977	67	1374	0.454	ug/L #	76
14) 1,1-Diclethene	2.142	96	1341	0.512	ug/L #	82
16) Acetone	2.203	43	1118	0.698	ug/L	71
22) Methyl Acetate	2.489	43	732	0.202	ug/L	75
27) trans-1,2-Dichloroethene	2.843	96	8707	2.933	ug/L	93
28) 1,1-Diclethane	3.306	63	11511	2.442	ug/L	98
34) cis-1,2-Dichloroethene	4.099	96	8630	2.652	ug/L #	80
40) Chloroform	4.635	83	1419m	0.266	ug/L	
54) Trichloroethene	6.574	130	388181	112.975	ug/L	96

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

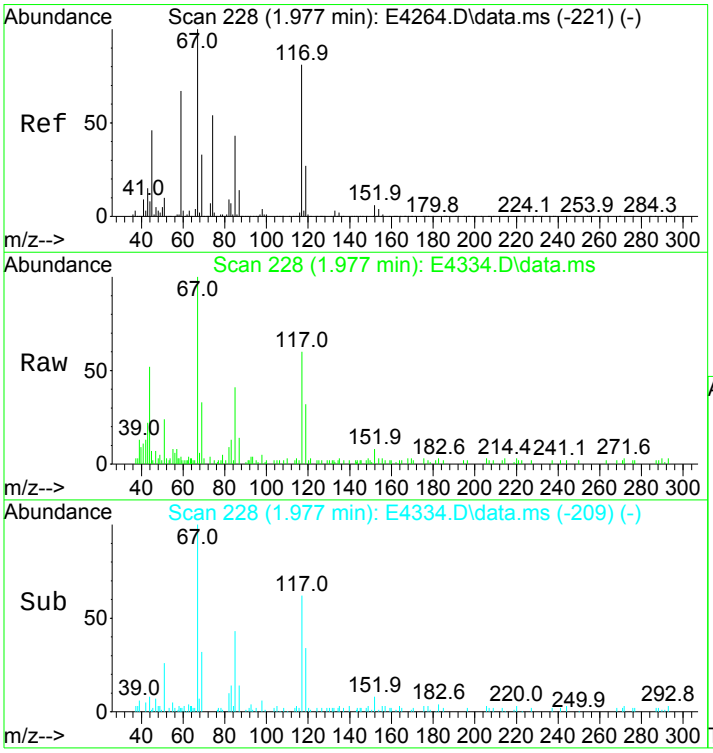
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\080823\
Data File : E4334.D
Acq On : 08 Aug 2023 08:47 pm
Operator : K.Ruest
Sample : R2306651-007|10
Misc : STANTEC 8260 T4
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Aug 09 10:11:31 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration



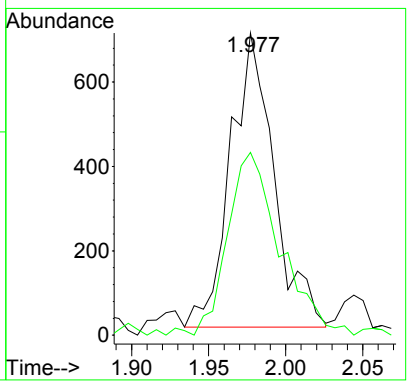
1st 08/09/23
2nd 08/09/23

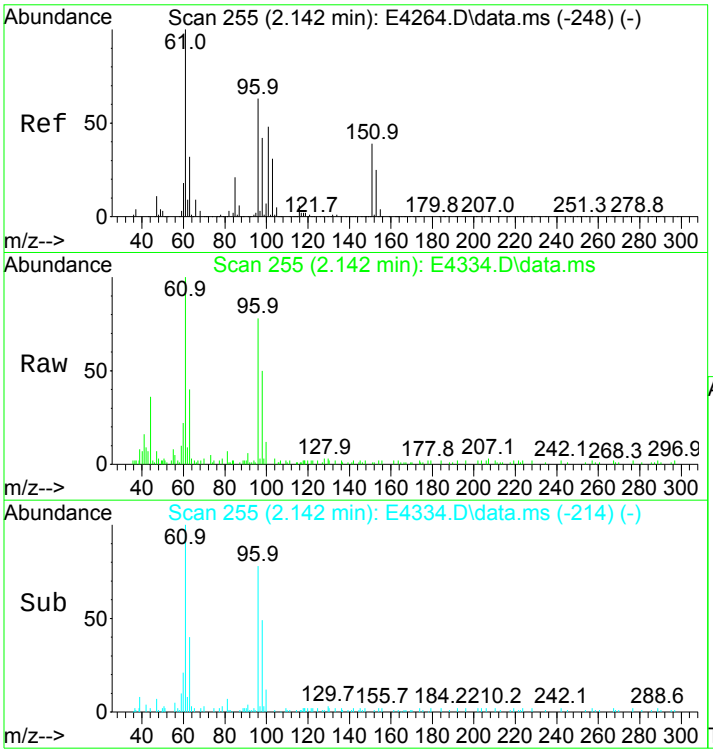


#11
Freon 123a
Concen: 0.45 ug/L
RT: 1.977 min Scan# 228
Delta R.T. -0.000 min
Lab File: E4334.D
Acq: 08 Aug 2023 08:47 pm

Tgt Ion: 67 Resp: 1374

Ion	Ratio	Lower	Upper
67	100		
117	60.5	61.9	101.9#

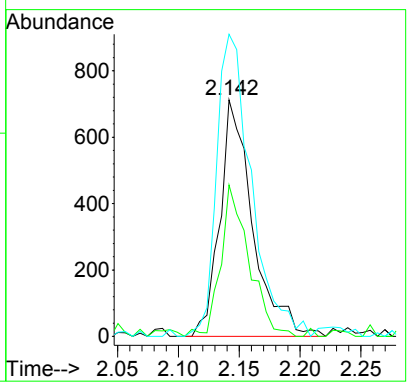


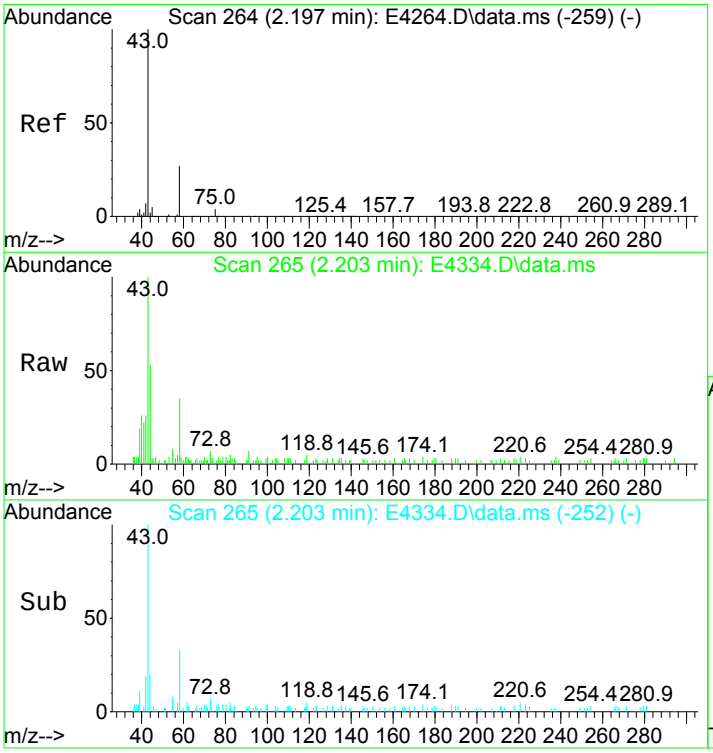


#14
1,1-Diclethene
Concen: 0.51 ug/L
RT: 2.142 min Scan# 255
Delta R.T. -0.000 min
Lab File: E4334.D
Acq: 08 Aug 2023 08:47 pm

Tgt Ion: 96 Resp: 1341

Ion	Ratio	Lower	Upper
96	100		
98	64.0	47.0	87.0
61	127.8	138.7	178.7#

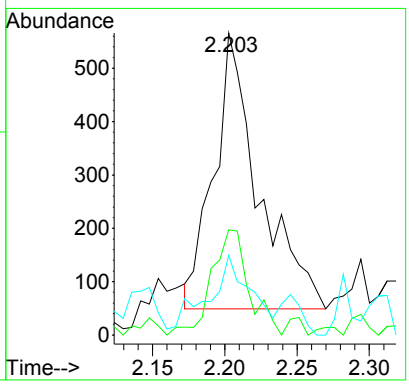


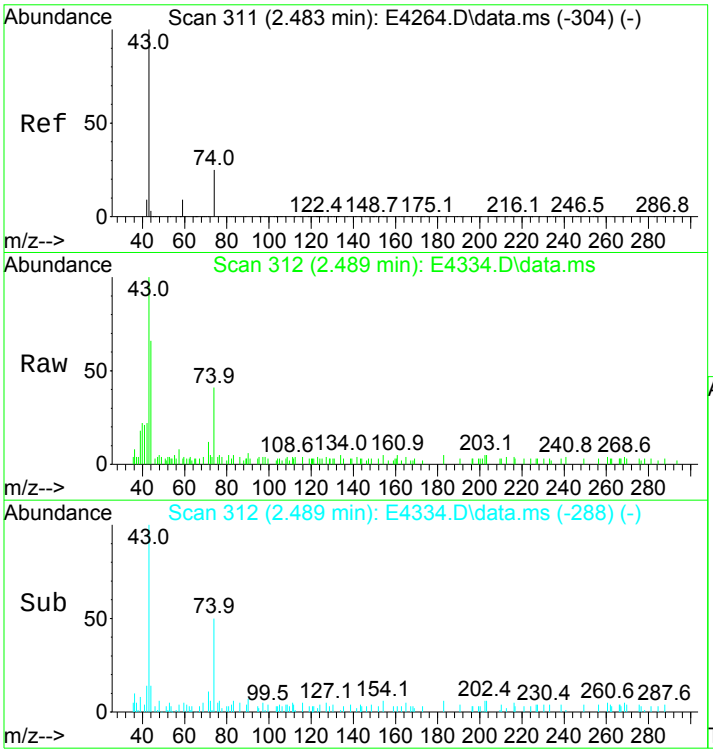


#16
Acetone
Concen: 0.70 ug/L
RT: 2.203 min Scan# 265
Delta R.T. 0.006 min
Lab File: E4334.D
Acq: 08 Aug 2023 08:47 pm

Tgt Ion: 43 Resp: 1118

Ion	Ratio	Lower	Upper
43	100		
58	39.0	7.7	47.7
42	26.3	0.0	27.6

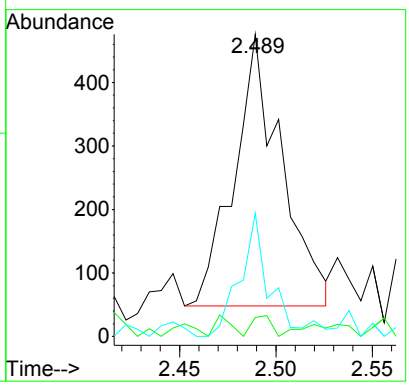


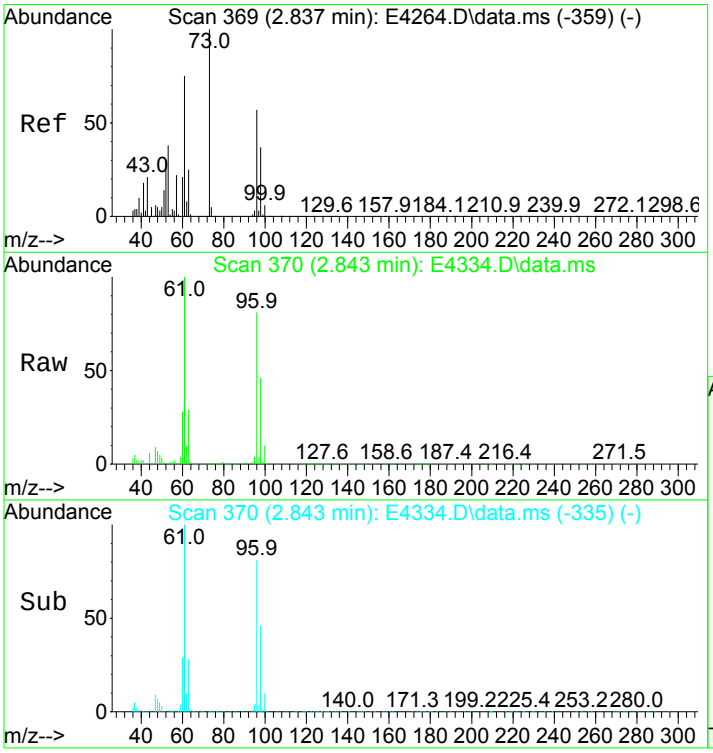


#22
Methyl Acetate
Concen: 0.20 ug/L
RT: 2.489 min Scan# 312
Delta R.T. 0.006 min
Lab File: E4334.D
Acq: 08 Aug 2023 08:47 pm

Tgt Ion: 43 Resp: 732

Ion	Ratio	Lower	Upper
43	100		
59	6.3	0.0	29.1
74	40.8	5.3	45.3

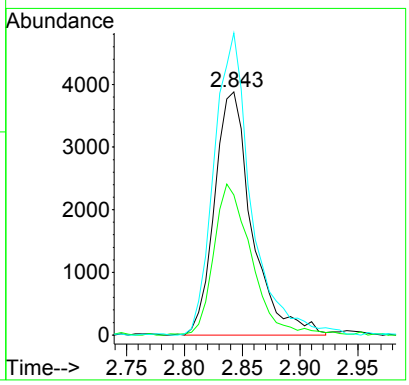


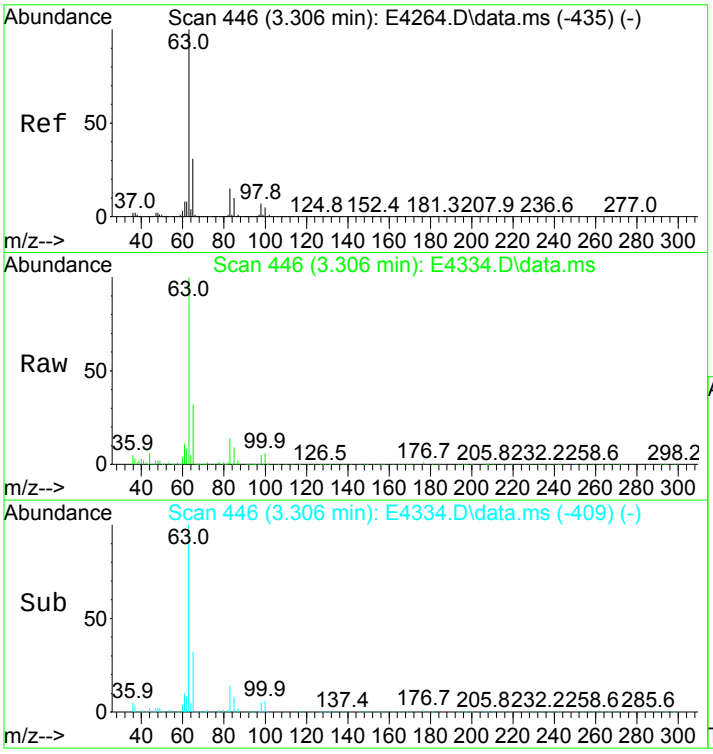


#27
trans-1,2-Dichloroethene
Concen: 2.93 ug/L
RT: 2.843 min Scan# 370
Delta R.T. 0.006 min
Lab File: E4334.D
Acq: 08 Aug 2023 08:47 pm

Tgt Ion: 96 Resp: 8707

Ion	Ratio	Lower	Upper
96	100		
98	57.6	44.5	84.5
61	124.2	111.6	151.6

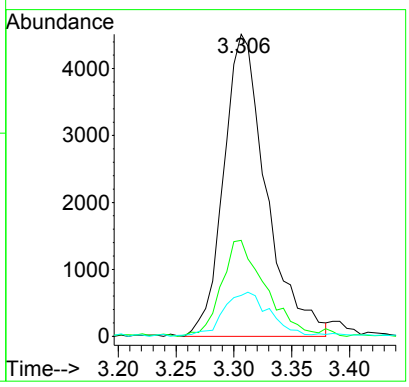


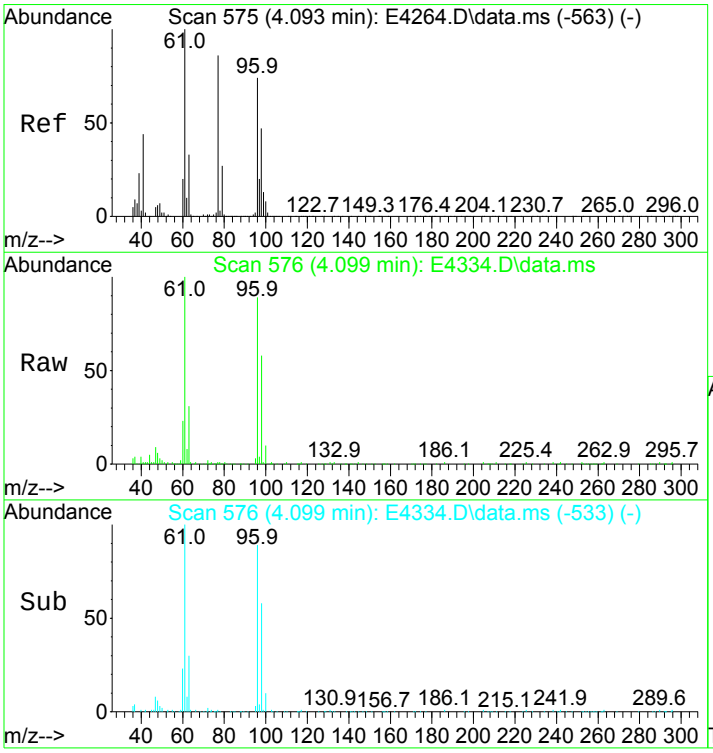


#28
1,1-Diclethane
Concen: 2.44 ug/L
RT: 3.306 min Scan# 446
Delta R.T. -0.000 min
Lab File: E4334.D
Acq: 08 Aug 2023 08:47 pm

Tgt Ion: 63 Resp: 11511

Ion	Ratio	Lower	Upper
63	100		
65	31.8	11.1	51.1
83	13.6	0.0	34.8

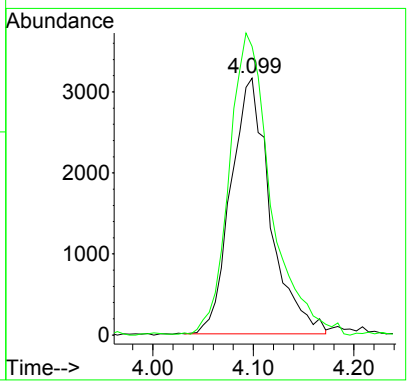


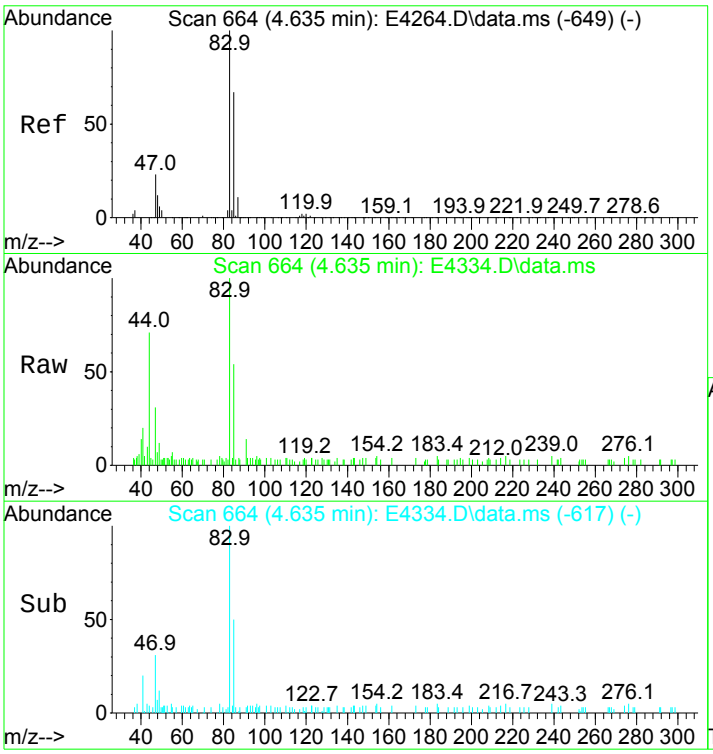


#34
cis-1,2-Dichloroethene
Concen: 2.65 ug/L
RT: 4.099 min Scan# 576
Delta R.T. 0.006 min
Lab File: E4334.D
Acq: 08 Aug 2023 08:47 pm

Tgt Ion: 96 Resp: 8630

Ion	Ratio	Lower	Upper
96	100		
61	112.3	116.1	156.1#

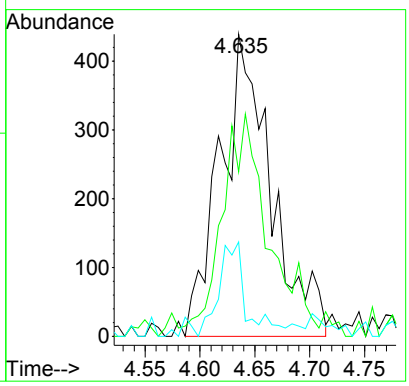


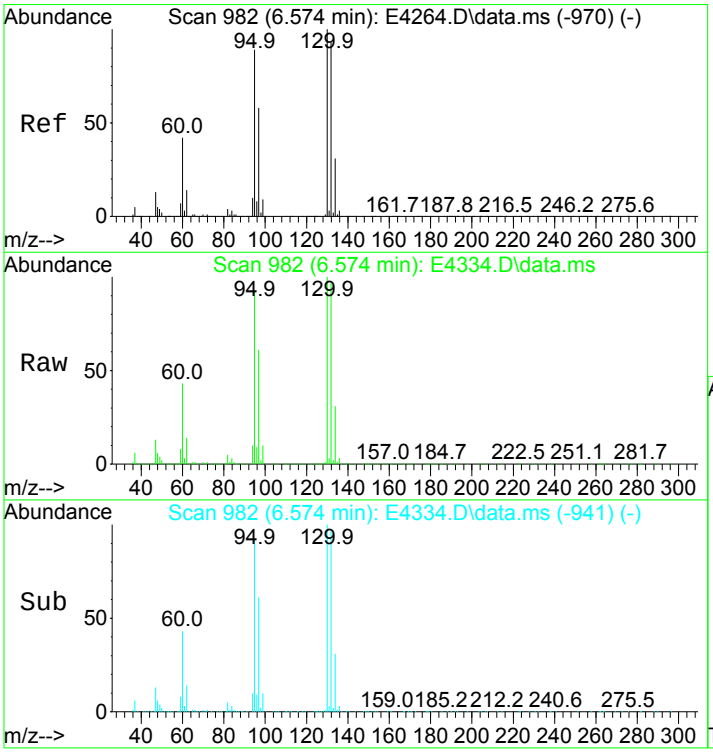


#40
Chloroform
Concen: 0.27 ug/L m
RT: 4.635 min Scan# 664
Delta R.T. -0.000 min
Lab File: E4334.D
Acq: 08 Aug 2023 08:47 pm

Tgt Ion: 83 Resp: 1419

Ion	Ratio	Lower	Upper
83	100		
85	54.4	46.5	86.5
47	31.2	3.1	43.1

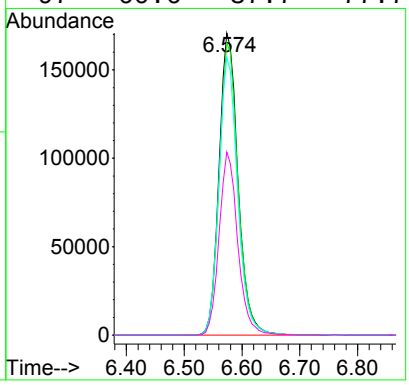




#54
Trichloroethene
Concen: 112.97 ug/L
RT: 6.574 min Scan# 982
Delta R.T. -0.000 min
Lab File: E4334.D
Acq: 08 Aug 2023 08:47 pm

Tgt Ion:130 Resp: 388181

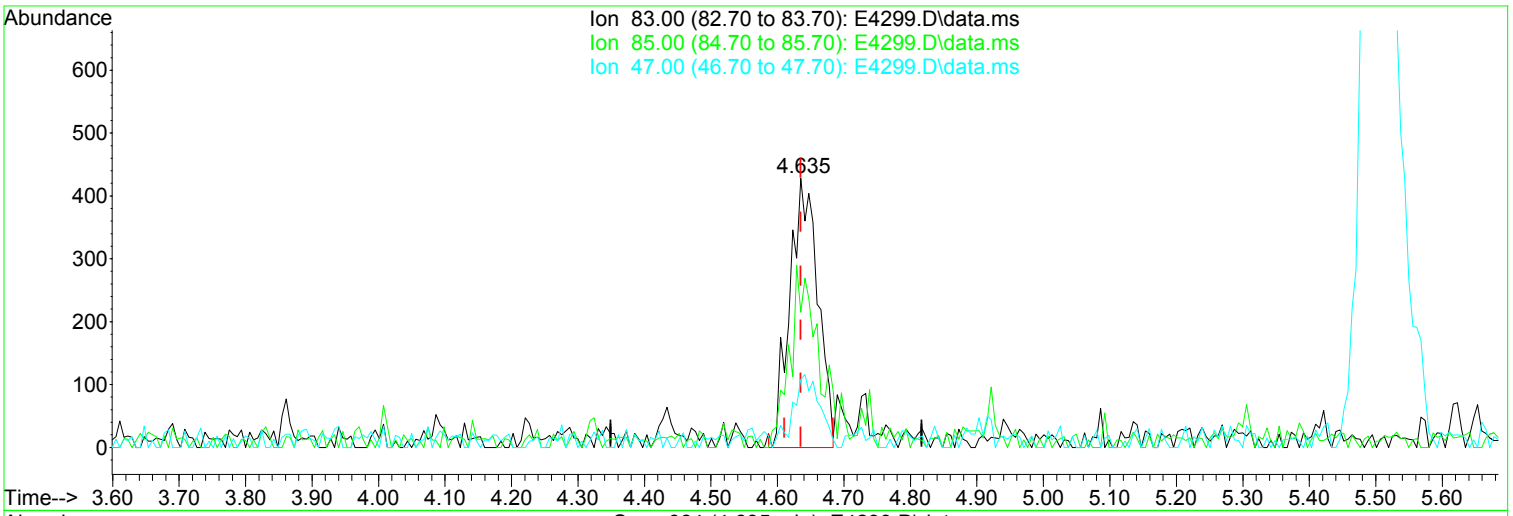
Ion	Ratio	Lower	Upper
130	100		
132	96.7	73.0	113.0
95	91.8	68.9	108.9
97	60.6	37.7	77.7

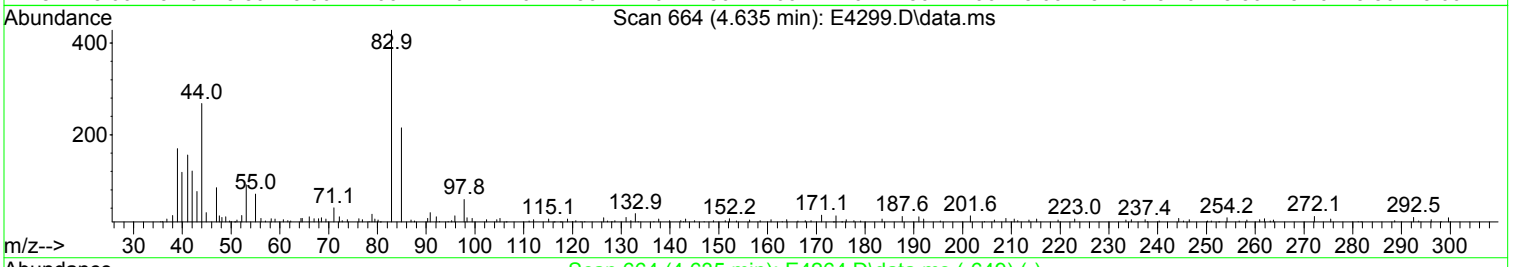


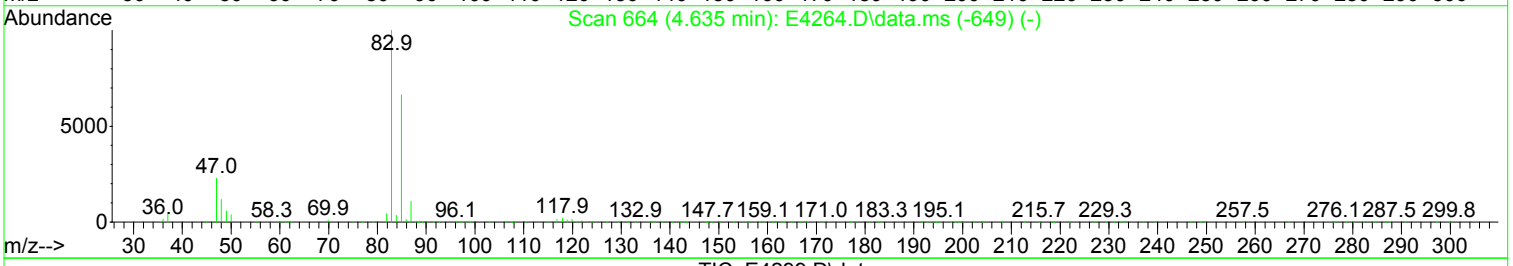
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080523\
Data File : E4299.D
Acq On : 05 Aug 2023 07:34 pm
Operator : K.Ruest
Sample : R2306651-008|1.0
Misc : STANTEC 8260 T4
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 08 09:59:02 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration







TIC: E4299.D\data.ms

(40) Chloroform (P)

4.635min (-0.000) 0.22 ug/L m

response 1248

Ion	Exp%	Act%
83.00	100.00	100.00
85.00	66.50	50.23
47.00	23.10	19.86
0.00	0.00	0.00

Manual Integration:

After

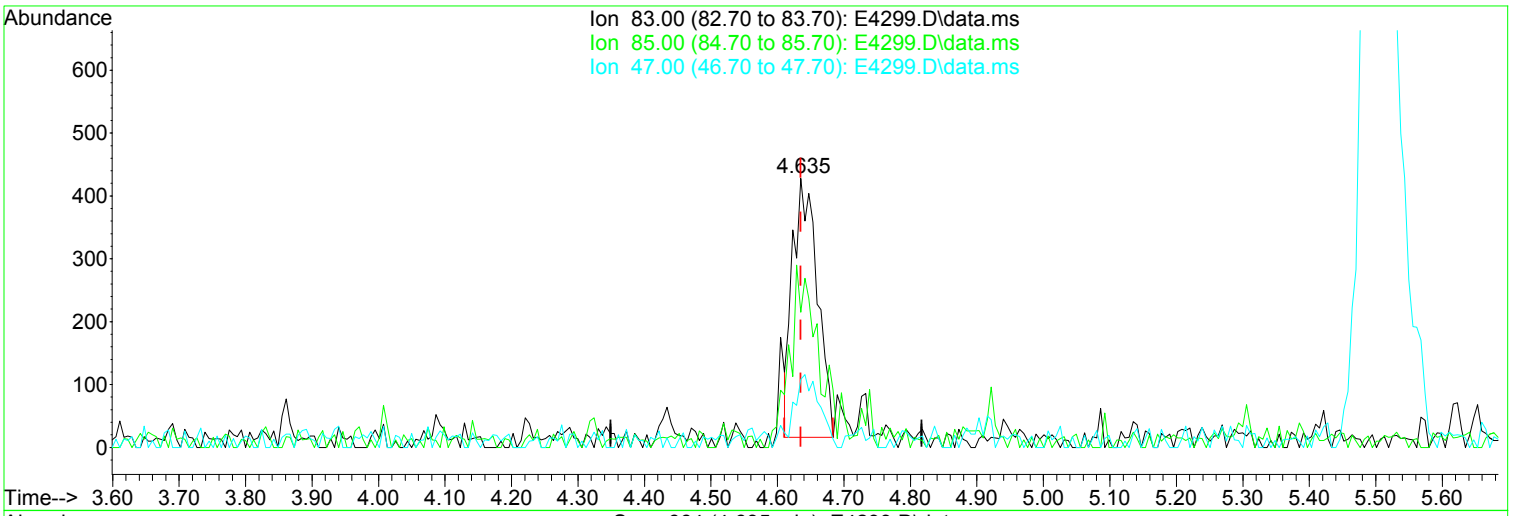
Poor integration.

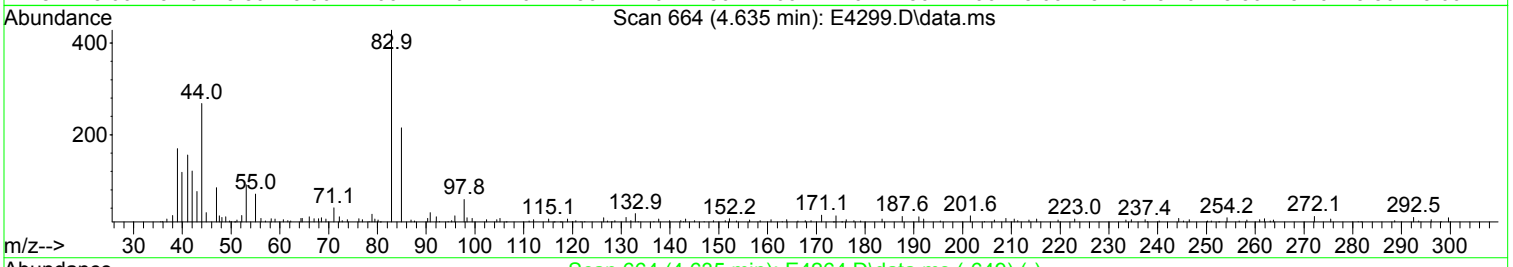
08/09/23

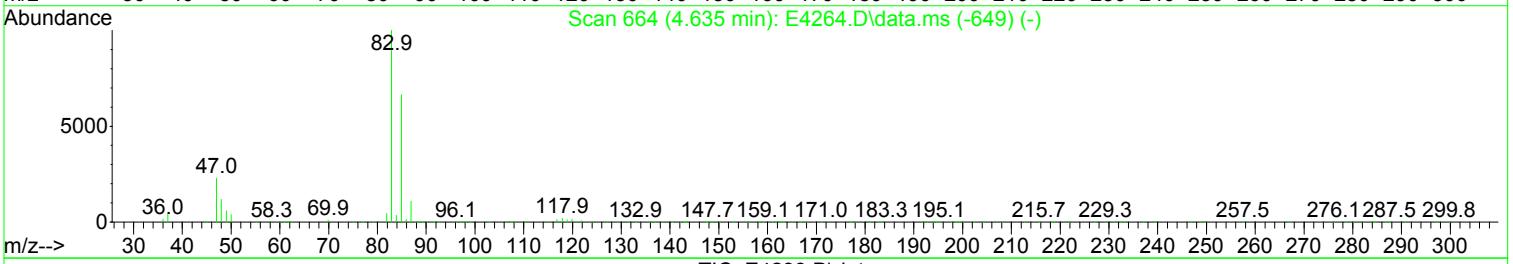
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080523\
Data File : E4299.D
Acq On : 05 Aug 2023 07:34 pm
Operator : K.Ruest
Sample : R2306651-008|1.0
Misc : STANTEC 8260 T4
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 08 09:59:02 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration







TIC: E4299.D\data.ms

(40) Chloroform (P)

4.635min (-0.000) 0.19 ug/L

response 1062

Ion	Exp%	Act%
83.00	100.00	100.00
85.00	66.50	50.23
47.00	23.10	25.23
0.00	0.00	0.00

Manual Integration:

Before

08/09/23

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\080523\
Data File : E4299.D
Acq On : 05 Aug 2023 07:34 pm
Operator : K.Ruest
Sample : R2306651-008|1.0
Misc : STANTEC 8260 T4
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 08 09:59:02 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration

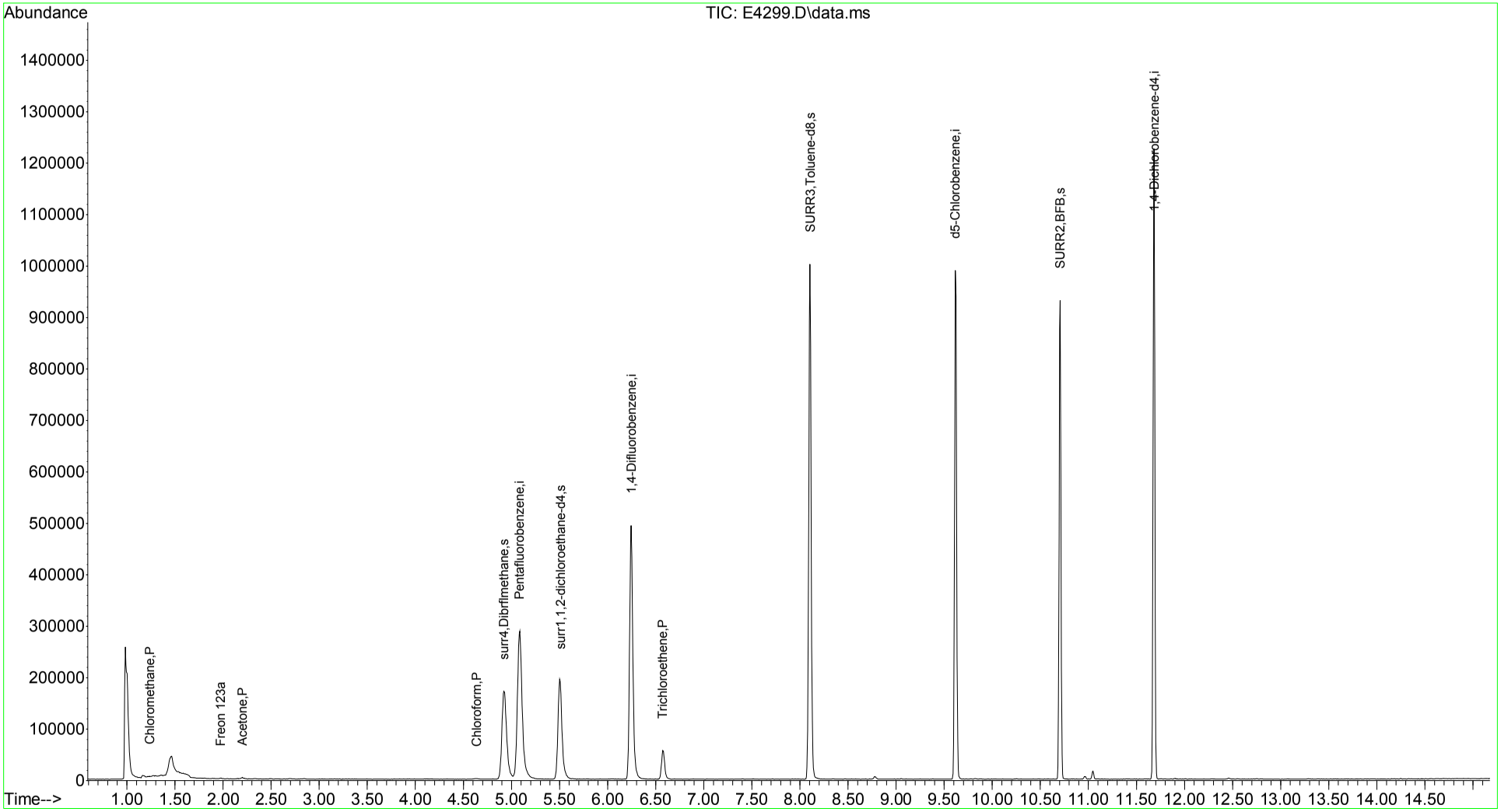
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.086	168	363142	50.00	ug/L	0.00
43) 1,4-Difluorobenzene	6.245	114	526203	50.00	ug/L	0.00
71) d5-Chlorobenzene	9.616	117	475941	50.00	ug/L	0.00
91) 1,4-Dichlorobenzene-d4	11.683	152	242382	50.00	ug/L	0.00
System Monitoring Compounds						
45) surr4,Dibrflmethane	4.922	113	178435	51.28	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 102.56%			
48) surr1,1,2-dichloroetha...	5.507	65	208129	52.20	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 104.40%			
65) SURR3,Toluene-d8	8.104	98	663202	52.39	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 104.78%			
70) SURR2,BFB	10.707	95	240702	49.91	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 99.82%			
Target Compounds						Qvalue
4) Chloromethane	1.233	50	1106	0.346	ug/L	76
11) Freon 123a	1.977	67	1054	0.331	ug/L #	66
16) Acetone	2.203	43	2900	1.721	ug/L	98
40) Chloroform	4.635	83	1248m	0.222	ug/L	
54) Trichloroethene	6.574	130	24249	6.844	ug/L	97

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

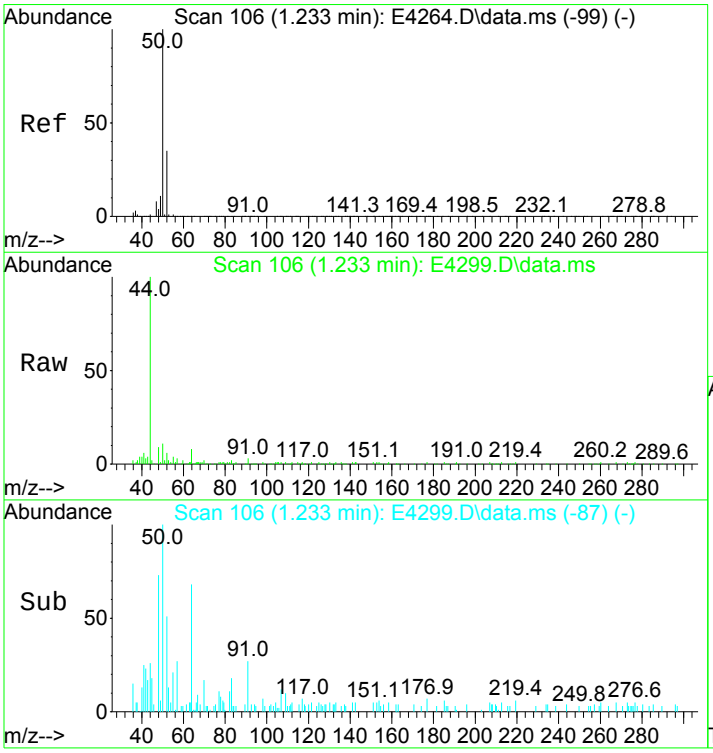
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\080523\
Data File : E4299.D
Acq On : 05 Aug 2023 07:34 pm
Operator : K.Ruest
Sample : R2306651-008|1.0
Misc : STANTEC 8260 T4
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 08 09:59:02 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration



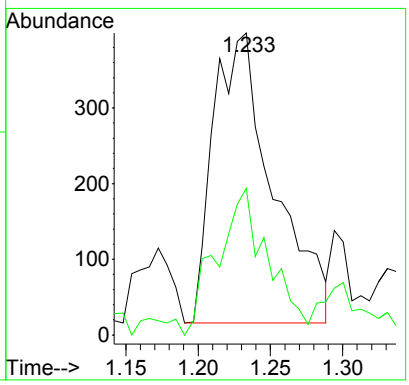
1st 08/09/23
2nd 08/09/23

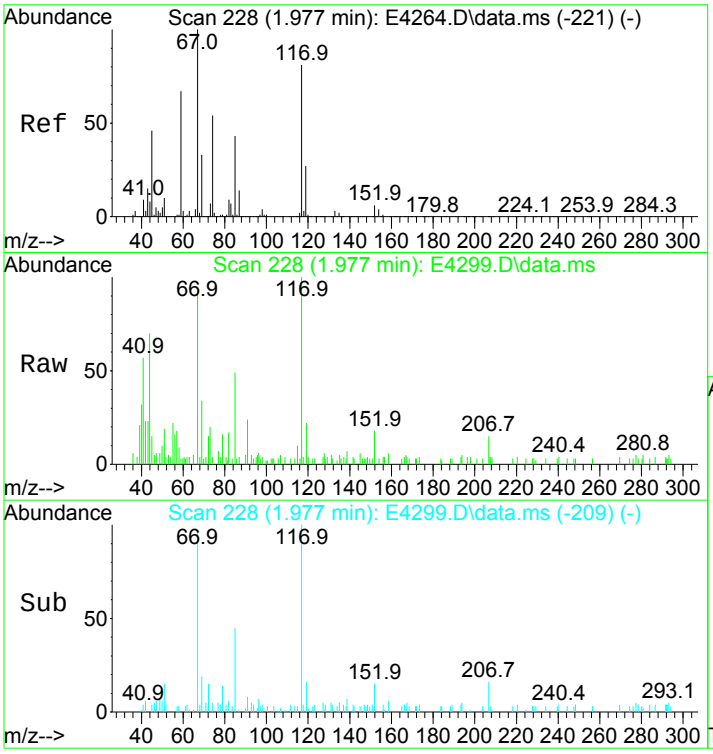


#4
Chloromethane
Concen: 0.35 ug/L
RT: 1.233 min Scan# 106
Delta R.T. -0.000 min
Lab File: E4299.D
Acq: 05 Aug 2023 07:34 pm

Tgt Ion: 50 Resp: 1106

Ion	Ratio	Lower	Upper
50	100		
52	48.6	14.6	54.6

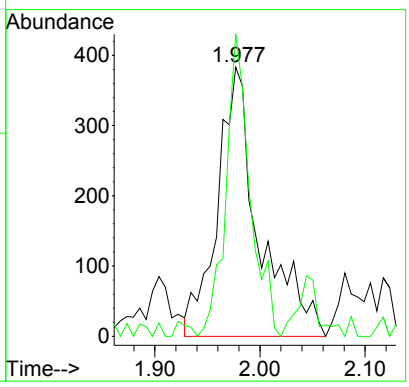


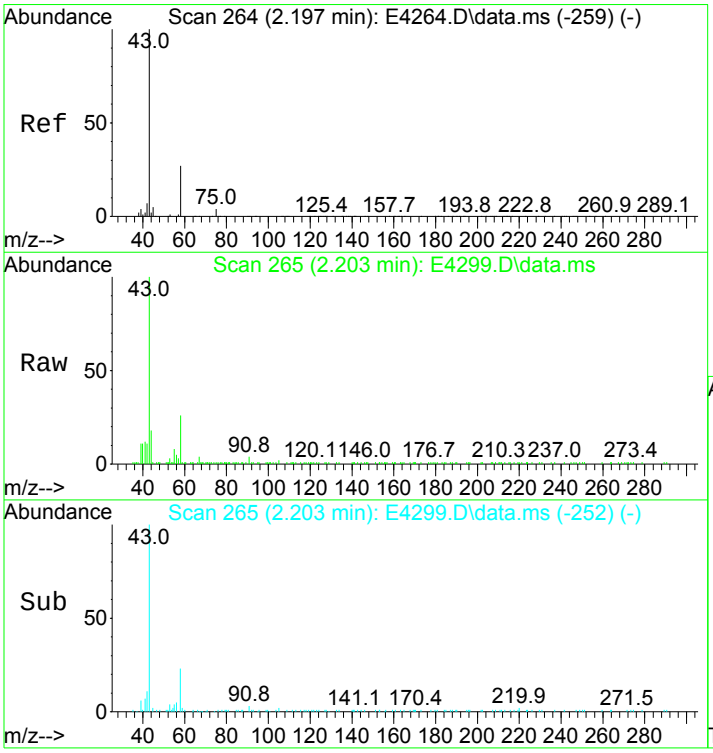


#11
Freon 123a
Concen: 0.33 ug/L
RT: 1.977 min Scan# 228
Delta R.T. -0.000 min
Lab File: E4299.D
Acq: 05 Aug 2023 07:34 pm

Tgt Ion: 67 Resp: 1054

Ion	Ratio	Lower	Upper
67	100		
117	112.3	61.9	101.9#

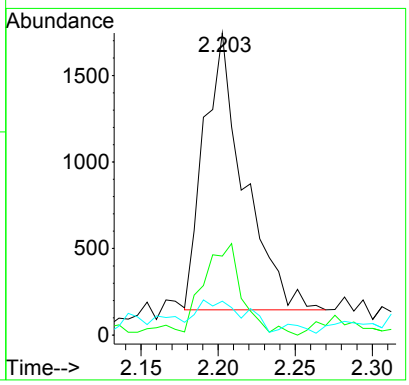


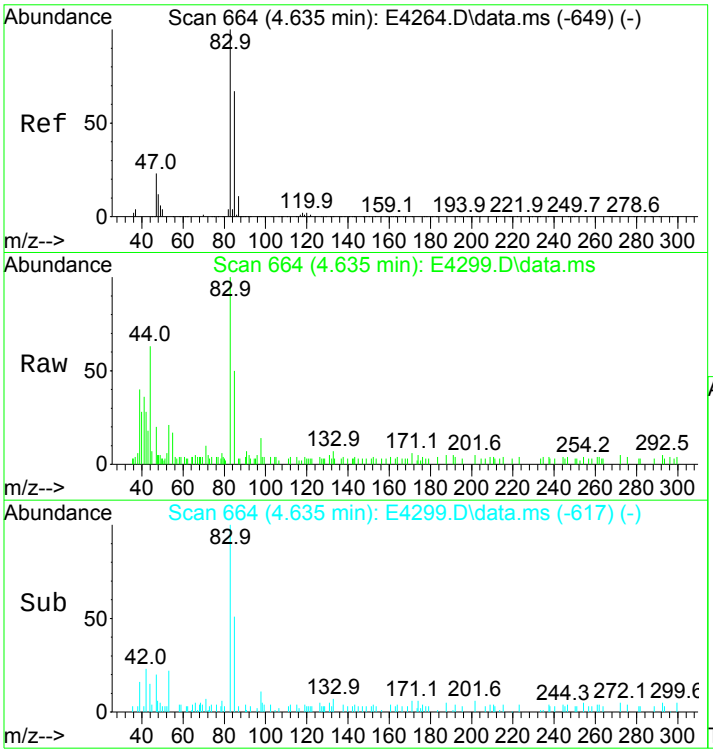


#16
Acetone
Concen: 1.72 ug/L
RT: 2.203 min Scan# 265
Delta R.T. 0.006 min
Lab File: E4299.D
Acq: 05 Aug 2023 07:34 pm

Tgt Ion: 43 Resp: 2900

Ion	Ratio	Lower	Upper
43	100		
58	27.6	7.7	47.7
42	11.2	0.0	27.6

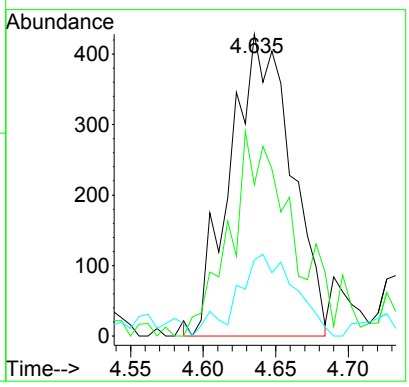


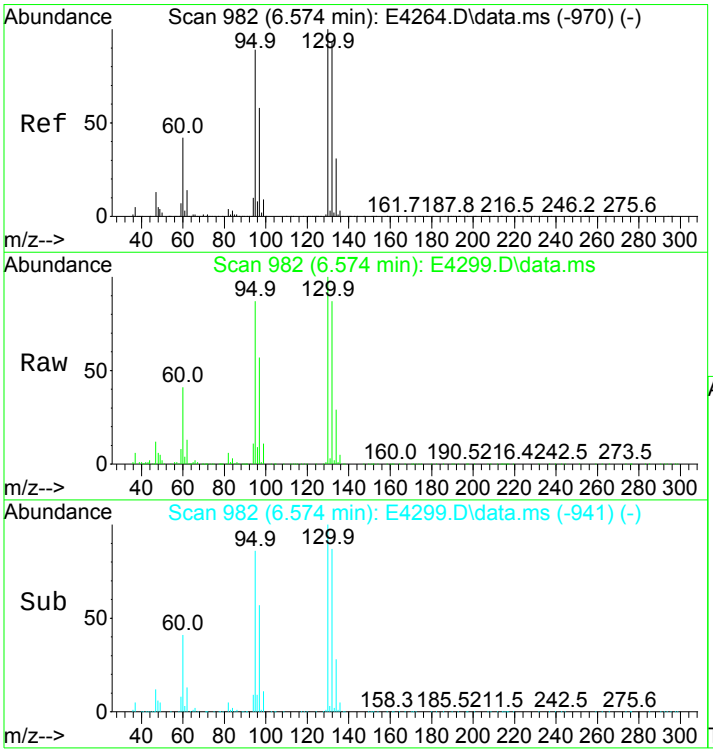


#40
Chloroform
Concen: 0.22 ug/L m
RT: 4.635 min Scan# 664
Delta R.T. -0.000 min
Lab File: E4299.D
Acq: 05 Aug 2023 07:34 pm

Tgt Ion: 83 Resp: 1248

Ion	Ratio	Lower	Upper
83	100		
85	50.2	46.5	86.5
47	19.9	3.1	43.1

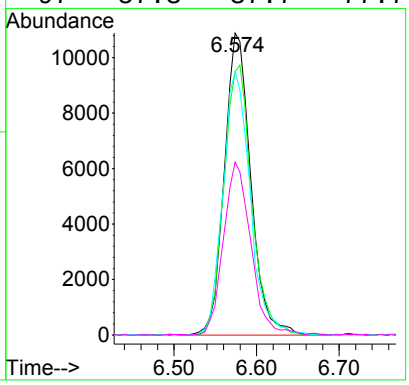




#54
Trichloroethene
Concen: 6.84 ug/L
RT: 6.574 min Scan# 982
Delta R.T. -0.000 min
Lab File: E4299.D
Acq: 05 Aug 2023 07:34 pm

Tgt Ion:130 Resp: 24249

Ion	Ratio	Lower	Upper
130	100		
132	87.1	73.0	113.0
95	87.2	68.9	108.9
97	57.3	37.7	77.7



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\080523\
Data File : E4300.D
Acq On : 05 Aug 2023 07:57 pm
Operator : K.Ruest
Sample : R2306651-009|1.0
Misc : STANTEC 8260 T4
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 08 09:59:24 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration

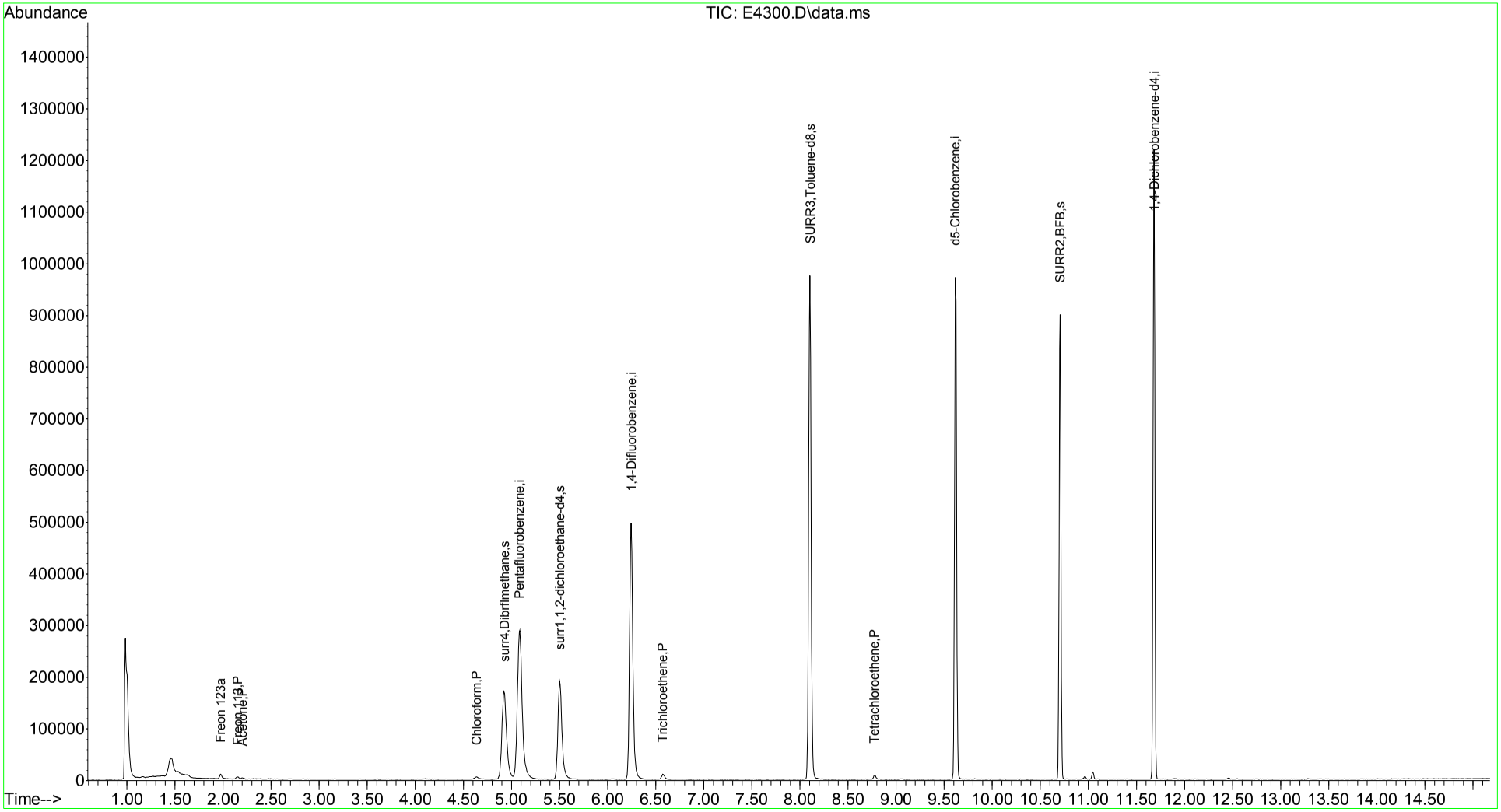
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.086	168	363430	50.00	ug/L	0.00
43) 1,4-Difluorobenzene	6.245	114	532036	50.00	ug/L	0.00
71) d5-Chlorobenzene	9.616	117	480374	50.00	ug/L	0.00
91) 1,4-Dichlorobenzene-d4	11.683	152	242445	50.00	ug/L	0.00
System Monitoring Compounds						
45) surr4,Dibrflmethane	4.928	113	174870	49.70	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 99.40%			
48) surr1,1,2-dichloroetha...	5.501	65	203829	50.56	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 101.12%			
65) SURR3,Toluene-d8	8.104	98	651253	50.89	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 101.78%			
70) SURR2,BFB	10.707	95	226792	46.51	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 93.02%			
Target Compounds						Qvalue
11) Freon 123a	1.977	67	4300	1.350	ug/L	99
15) Freon 113	2.148	101	1525	0.505	ug/L	84
16) Acetone	2.203	43	2412	1.430	ug/L	91
40) Chloroform	4.635	83	5585	0.993	ug/L	96
54) Trichloroethene	6.574	130	4358	1.217	ug/L	97
72) Tetrachloroethene	8.775	164	1277	0.438	ug/L	93

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

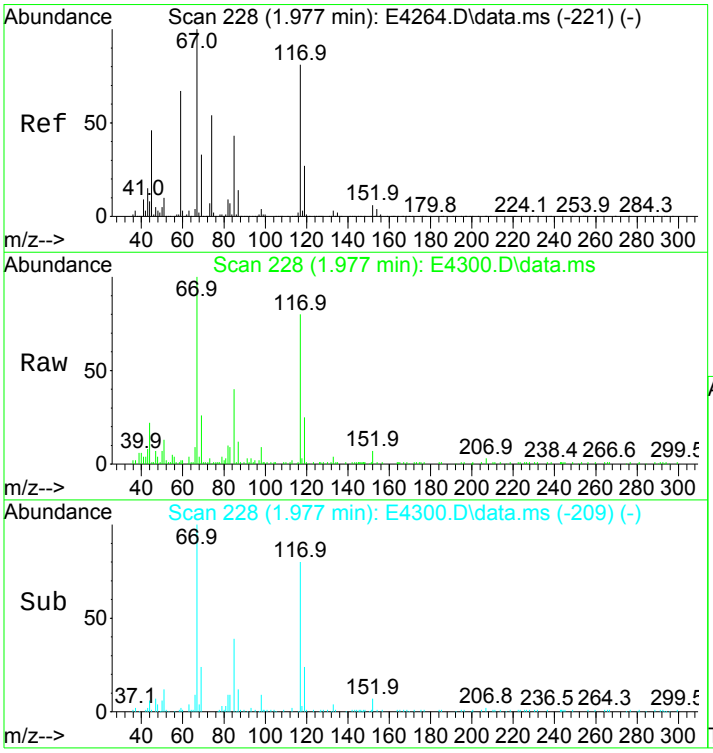
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\080523\
Data File : E4300.D
Acq On : 05 Aug 2023 07:57 pm
Operator : K.Ruest
Sample : R2306651-009|1.0
Misc : STANTEC 8260 T4
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 08 09:59:24 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration



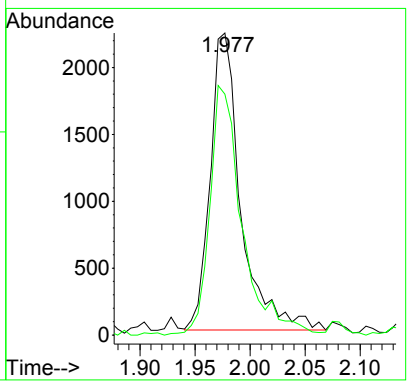
1st 08/09/23
2nd 08/09/23

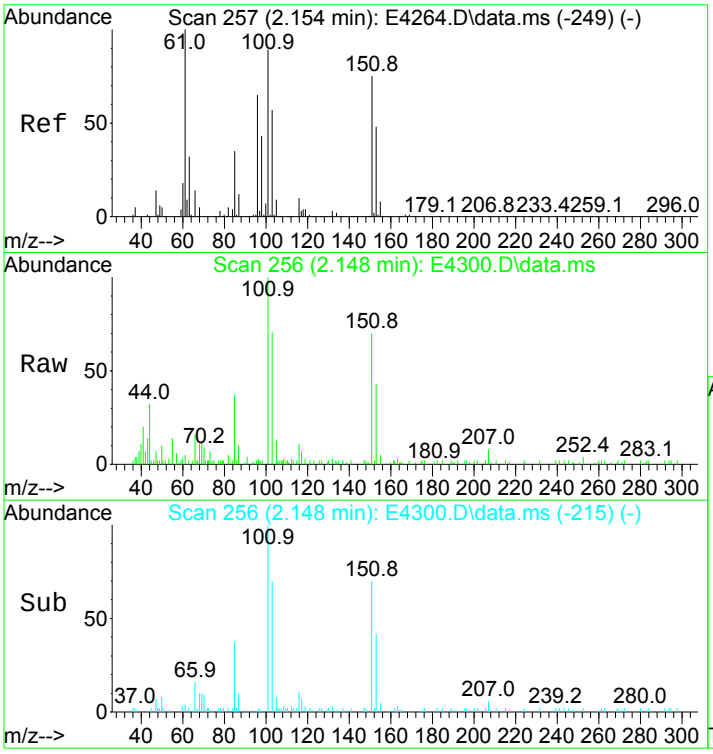


#11
Freon 123a
Concen: 1.35 ug/L
RT: 1.977 min Scan# 228
Delta R.T. -0.000 min
Lab File: E4300.D
Acq: 05 Aug 2023 07:57 pm

Tgt Ion: 67 Resp: 4300

Ion	Ratio	Lower	Upper
67	100		
117	82.7	61.9	101.9

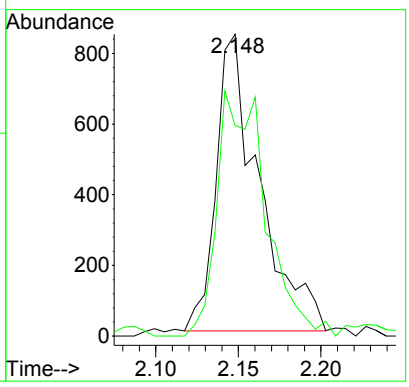


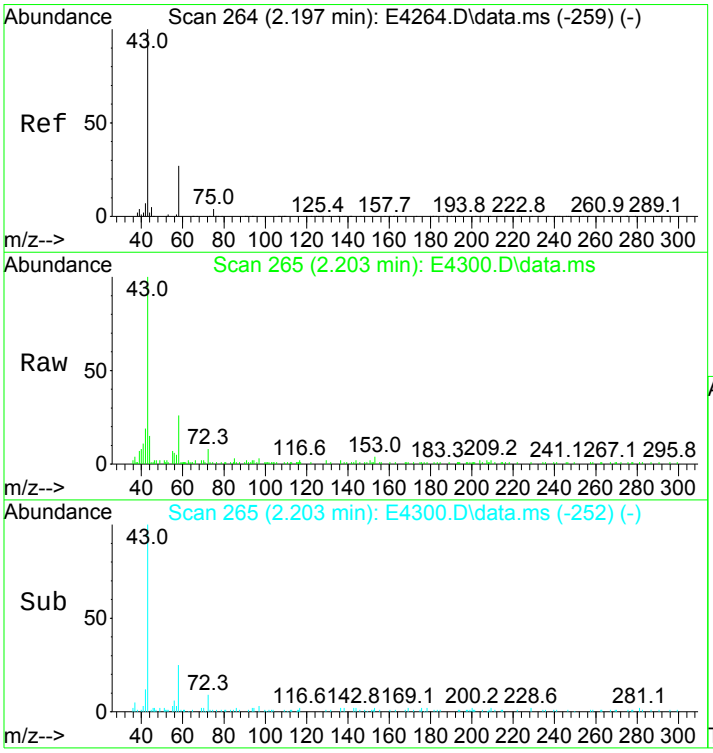


#15
Freon 113
Concen: 0.50 ug/L
RT: 2.148 min Scan# 256
Delta R.T. -0.006 min
Lab File: E4300.D
Acq: 05 Aug 2023 07:57 pm

Tgt Ion:101 Resp: 1525

Ion	Ratio	Lower	Upper
101	100		
151	69.8	64.6	104.6

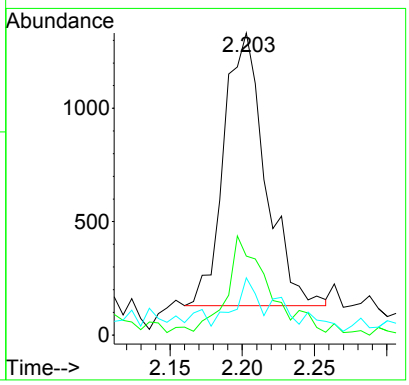


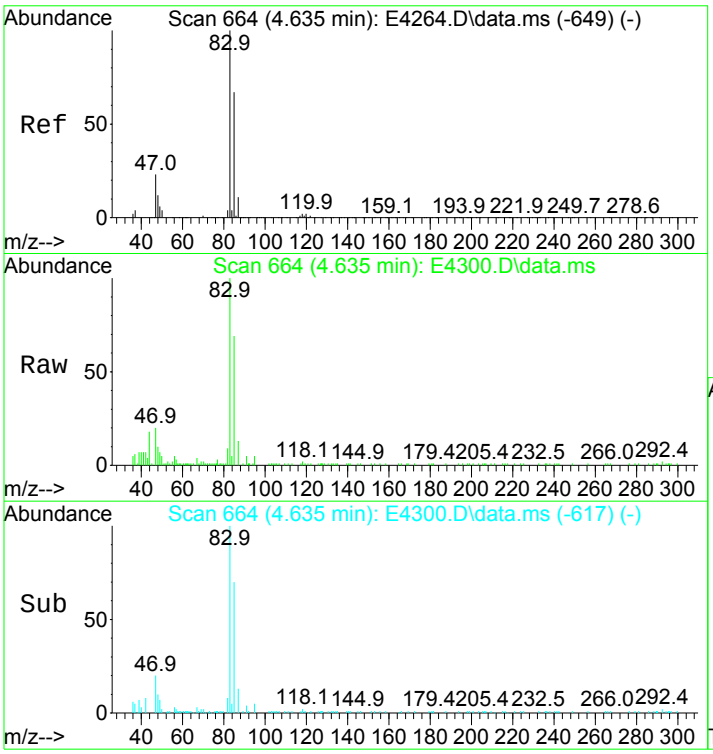


#16
Acetone
Concen: 1.43 ug/L
RT: 2.203 min Scan# 265
Delta R.T. 0.006 min
Lab File: E4300.D
Acq: 05 Aug 2023 07:57 pm

Tgt Ion: 43 Resp: 2412

Ion	Ratio	Lower	Upper
43	100		
58	26.1	7.7	47.7
42	18.9	0.0	27.6

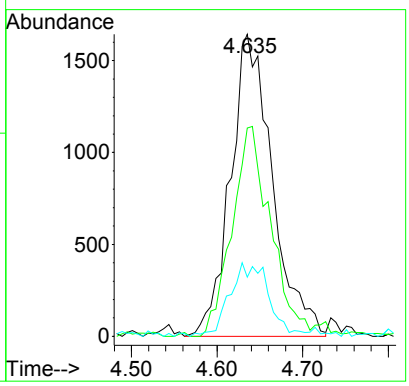


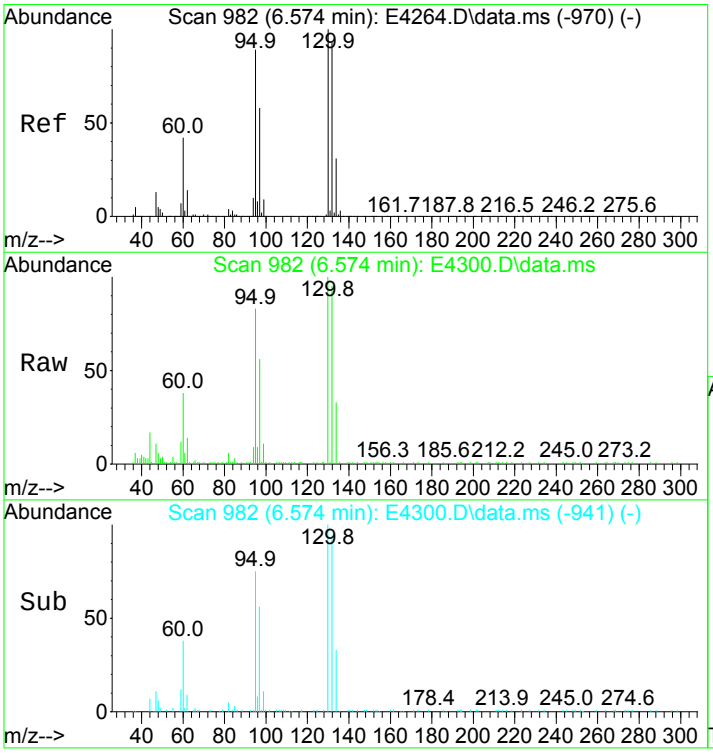


#40
Chloroform
Concen: 0.99 ug/L
RT: 4.635 min Scan# 664
Delta R.T. 0.000 min
Lab File: E4300.D
Acq: 05 Aug 2023 07:57 pm

Tgt Ion: 83 Resp: 5585

Ion	Ratio	Lower	Upper
83	100		
85	69.0	46.5	86.5
47	19.5	3.1	43.1

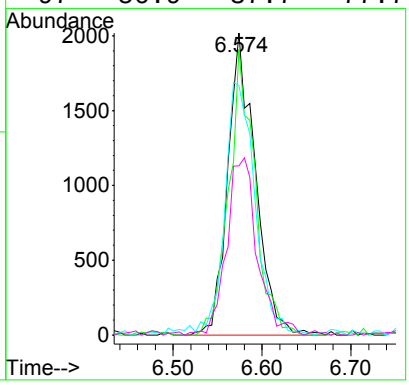


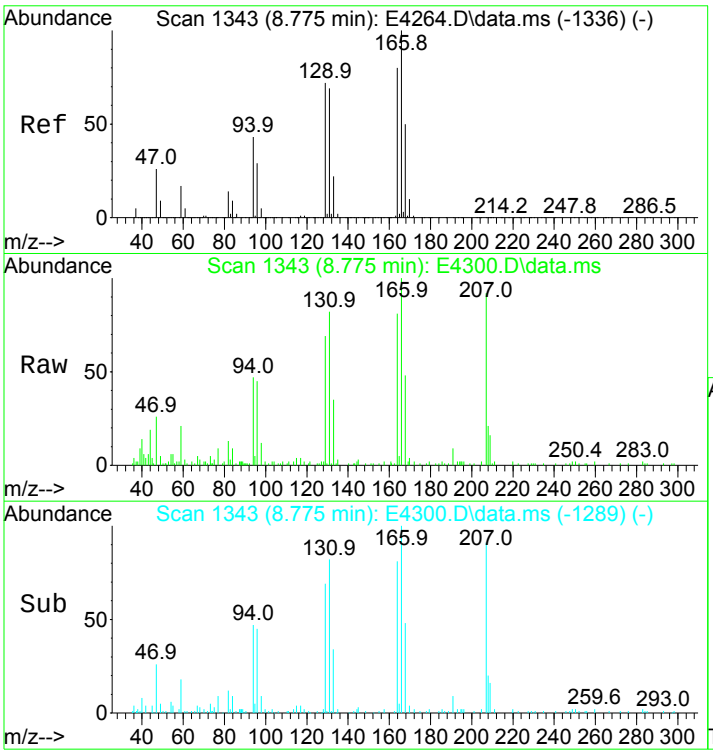


#54
Trichloroethene
Concen: 1.22 ug/L
RT: 6.574 min Scan# 982
Delta R.T. -0.000 min
Lab File: E4300.D
Acq: 05 Aug 2023 07:57 pm

Tgt Ion:130 Resp: 4358

Ion	Ratio	Lower	Upper
130	100		
132	94.6	73.0	113.0
95	82.6	68.9	108.9
97	56.9	37.7	77.7

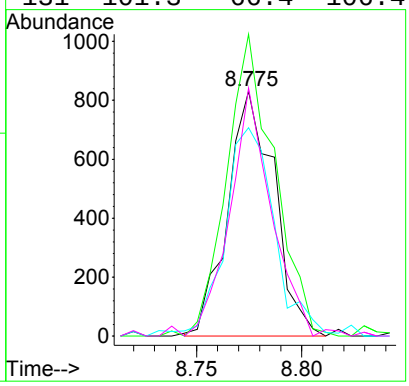




#72
Tetrachloroethene
Concen: 0.44 ug/L
RT: 8.775 min Scan# 1343
Delta R.T. 0.000 min
Lab File: E4300.D
Acq: 05 Aug 2023 07:57 pm

Tgt Ion:164 Resp: 1277

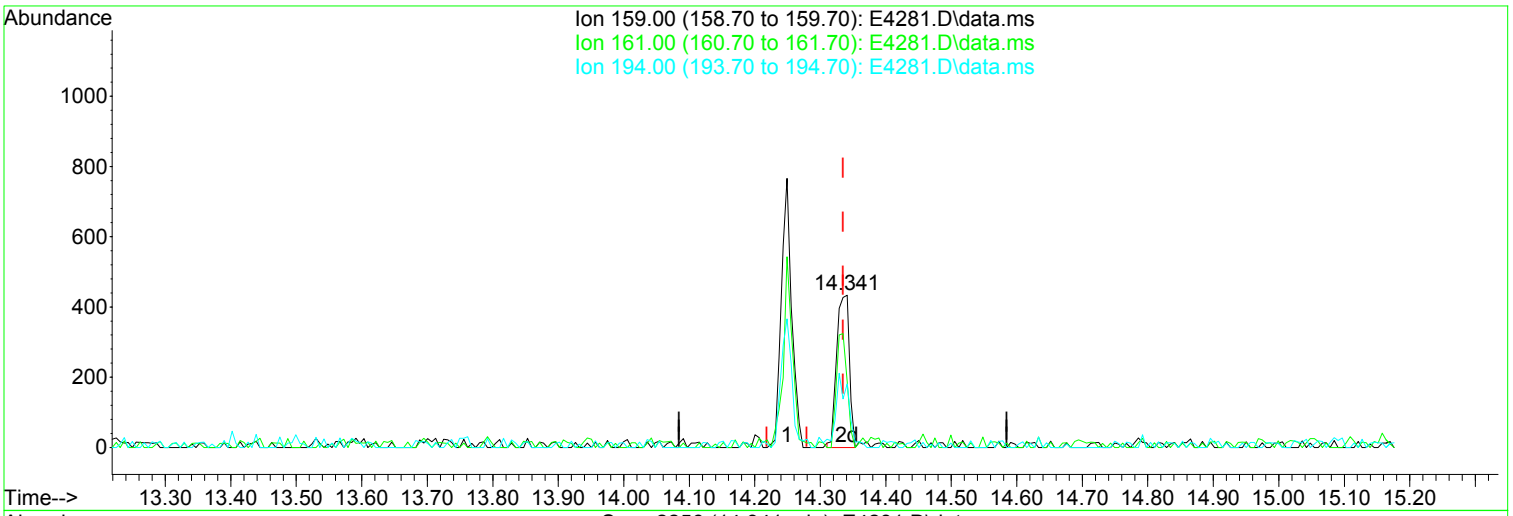
Ion	Ratio	Lower	Upper
164	100		
166	123.2	104.9	144.9
129	85.1	69.6	109.6
131	101.3	66.4	106.4

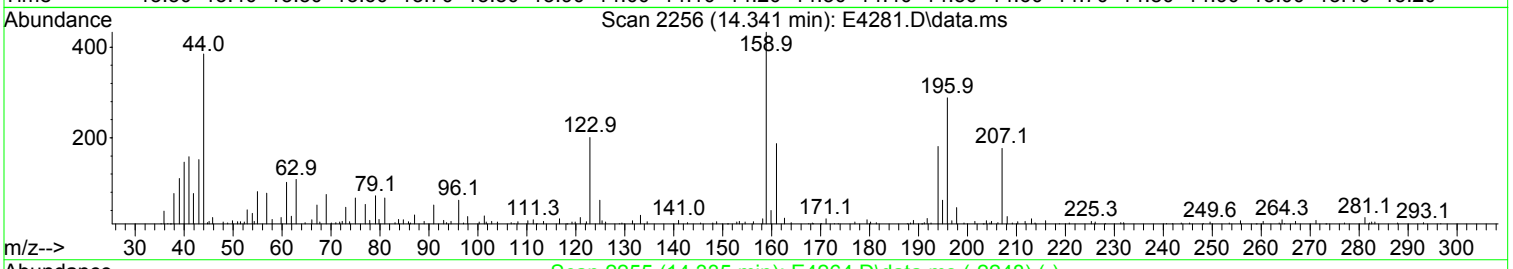


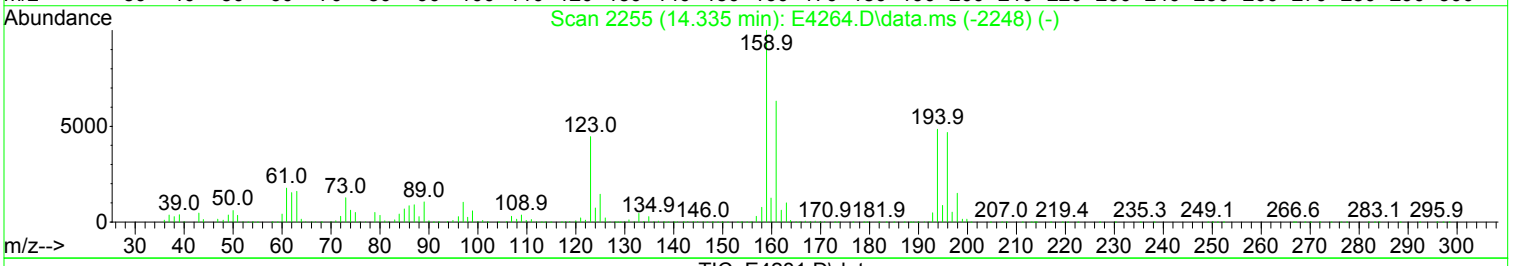
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080523\
Data File : E4281.D
Acq On : 05 Aug 2023 12:36 pm
Operator : K.Ruest
Sample : MBLK-FP
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 05 12:57:52 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration







TIC: E4281.D\data.ms

(120) 2,3,6-Trichlorotoluene

14.341min (+ 0.006) 0.17 ug/L m

response 582

Ion	Exp%	Act%
159.00	100.00	100.00
161.00	63.20	43.19#
194.00	48.40	41.80
0.00	0.00	0.00

Manual Integration:

After

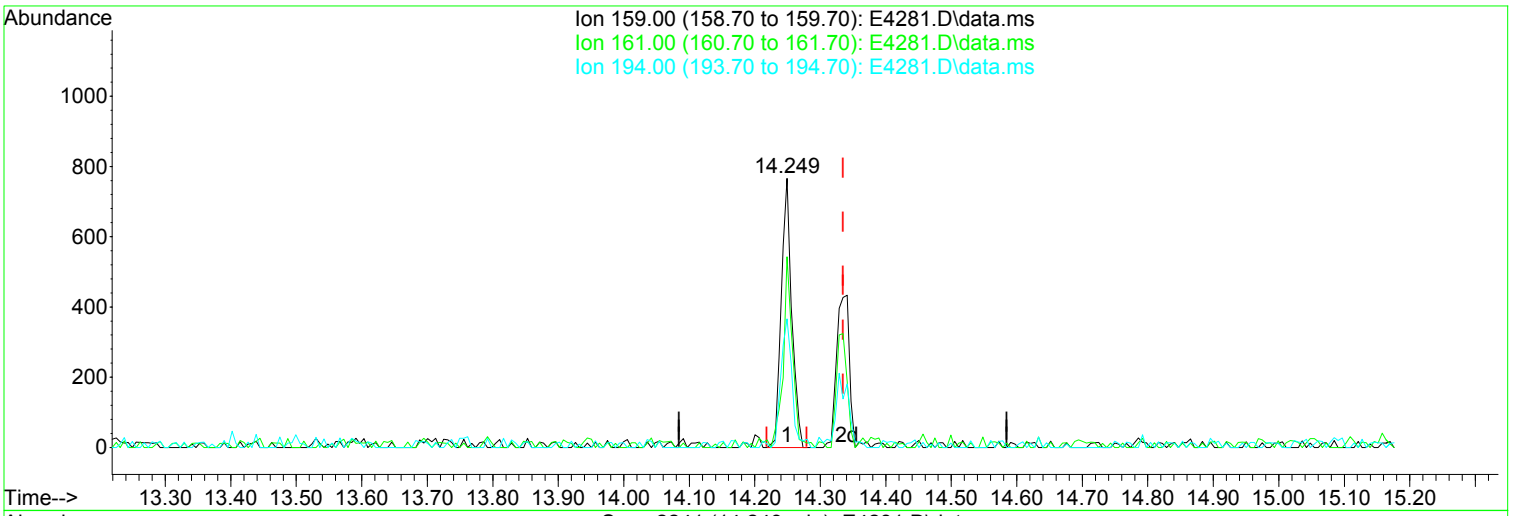
Wrong peak selected.

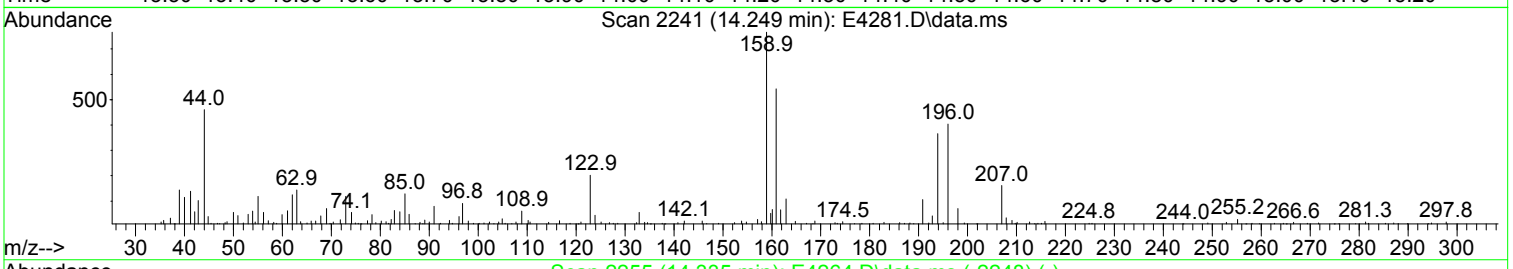
08/05/23

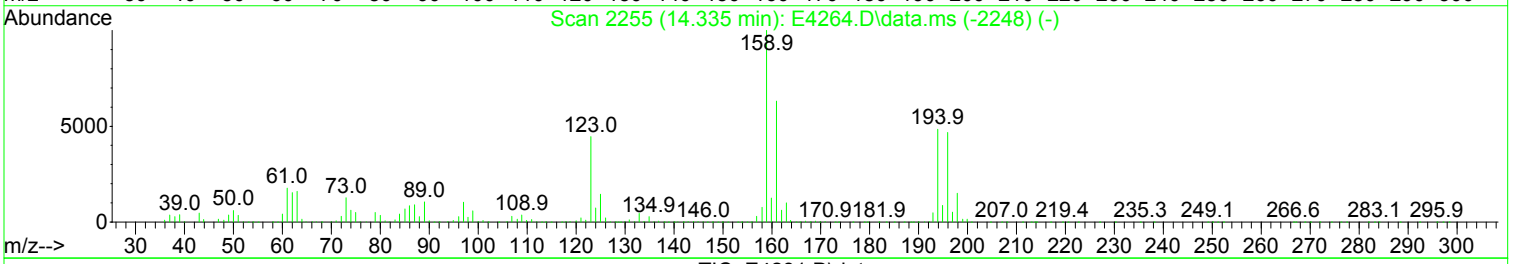
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080523\
Data File : E4281.D
Acq On : 05 Aug 2023 12:36 pm
Operator : K.Ruest
Sample : MBLK-FP
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 05 12:57:52 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration







TIC: E4281.D\data.ms

(120) 2,3,6-Trichlorotoluene

14.249min (-0.085) 0.25 ug/L

response 848

Ion	Exp%	Act%
159.00	100.00	100.00
161.00	63.20	70.89
194.00	48.40	47.78
0.00	0.00	0.00

Manual Integration:

Before

08/05/23

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\080523\
Data File : E4281.D
Acq On : 05 Aug 2023 12:36 pm
Operator : K.Ruest
Sample : MBLK-FP
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 05 12:57:52 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration

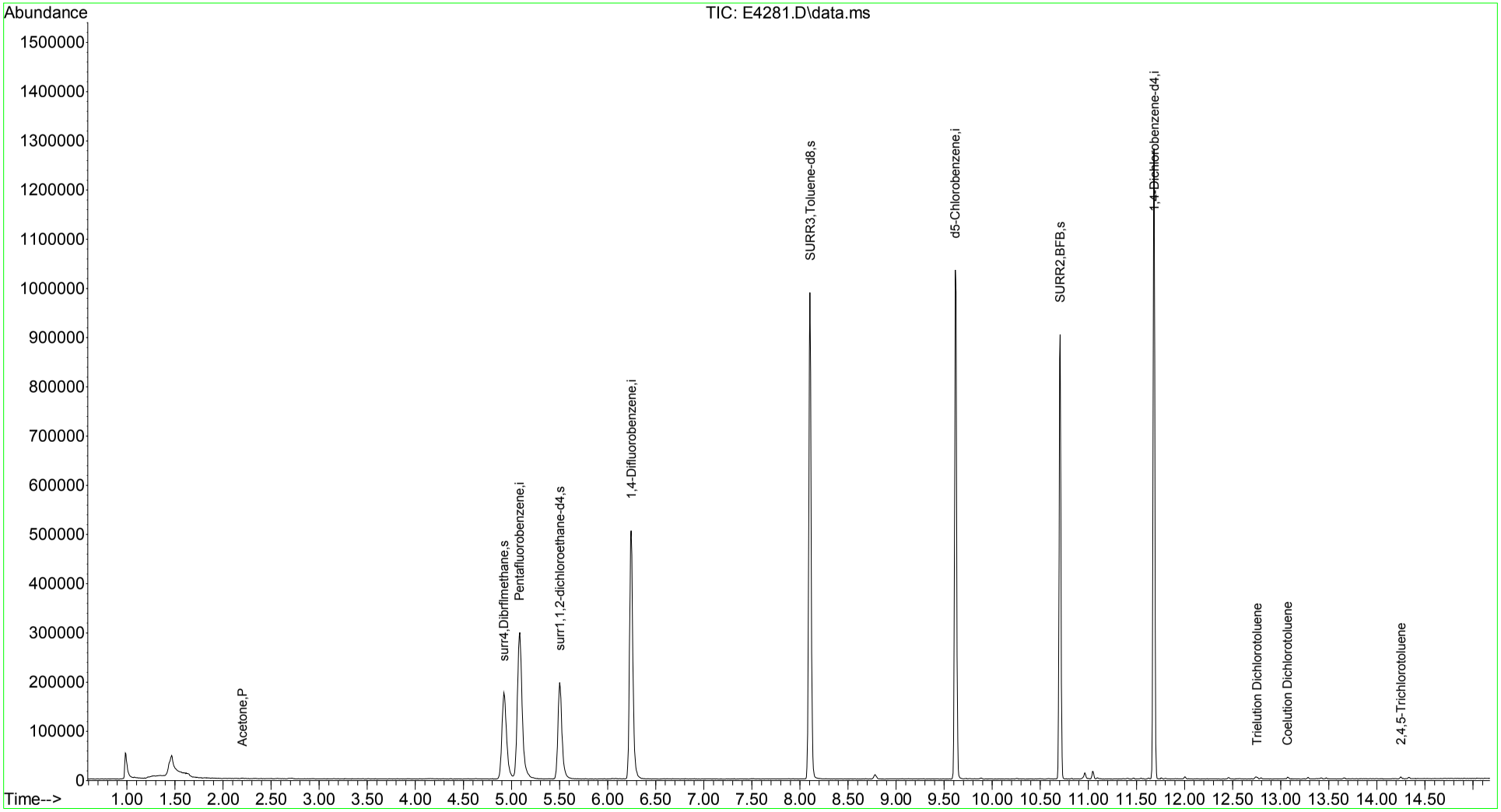
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.086	168	375687	50.00	ug/L	0.00
43) 1,4-Difluorobenzene	6.245	114	543993	50.00	ug/L	0.00
71) d5-Chlorobenzene	9.616	117	495328	50.00	ug/L	0.00
91) 1,4-Dichlorobenzene-d4	11.683	152	253690	50.00	ug/L	0.00
System Monitoring Compounds						
45) surr4,Dibrflmethane	4.922	113	178895	49.73	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 99.46%			
48) surr1,1,2-dichloroetha...	5.501	65	209853	50.91	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 101.82%			
65) SURR3,Toluene-d8	8.104	98	649389	49.62	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 99.24%			
70) SURR2,BFB	10.707	95	231395	46.41	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 92.82%			
Target Compounds						Qvalue
16) Acetone	2.203	43	1769	1.015	ug/L	81
112) Trielution Dichlorotol...	12.750	125	2172	0.336	ug/L	82
114) Coelution Dichlorotoluene	13.073	125	1433	0.210	ug/L	94
119) 2,4,5-Trichlorotoluene	14.249	159	848	0.234	ug/L	91

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

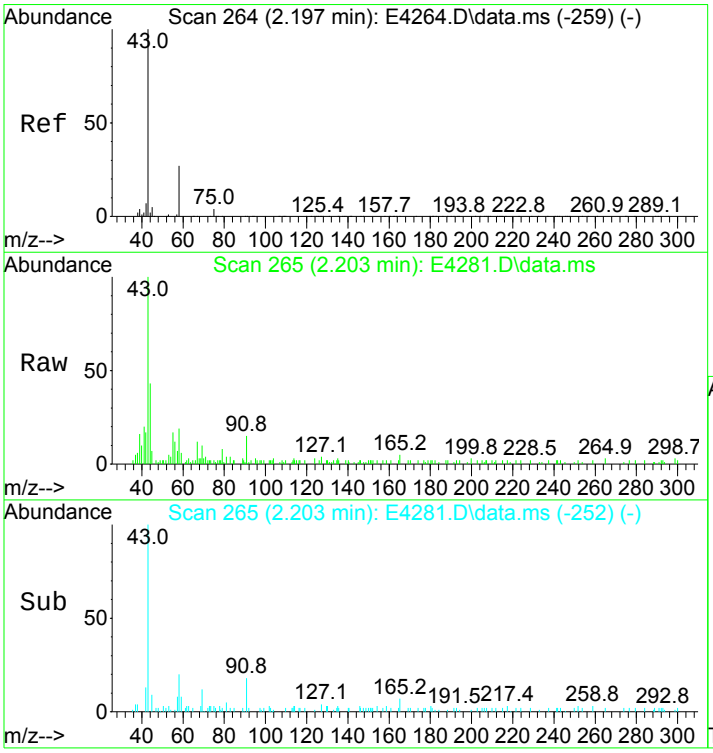
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\080523\
Data File : E4281.D
Acq On : 05 Aug 2023 12:36 pm
Operator : K.Ruest
Sample : MBLK-FP
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 05 12:57:52 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration



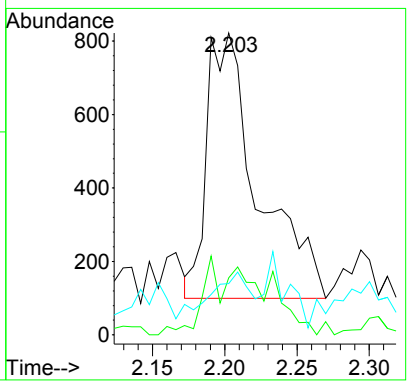
1st 08/05/23
2nd 08/09/23

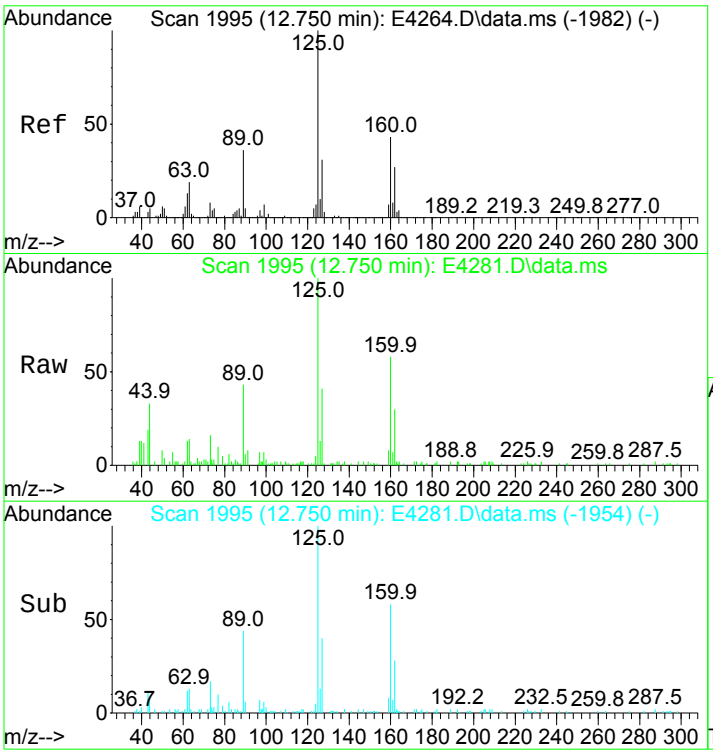


#16
Acetone
Concen: 1.01 ug/L
RT: 2.203 min Scan# 265
Delta R.T. 0.006 min
Lab File: E4281.D
Acq: 05 Aug 2023 12:36 pm

Tgt Ion: 43 Resp: 1769

Ion	Ratio	Lower	Upper
43	100		
58	18.9	7.7	47.7
42	17.0	0.0	27.6

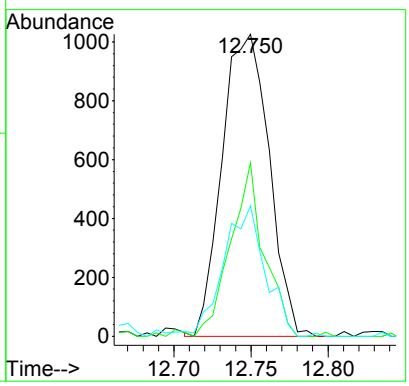


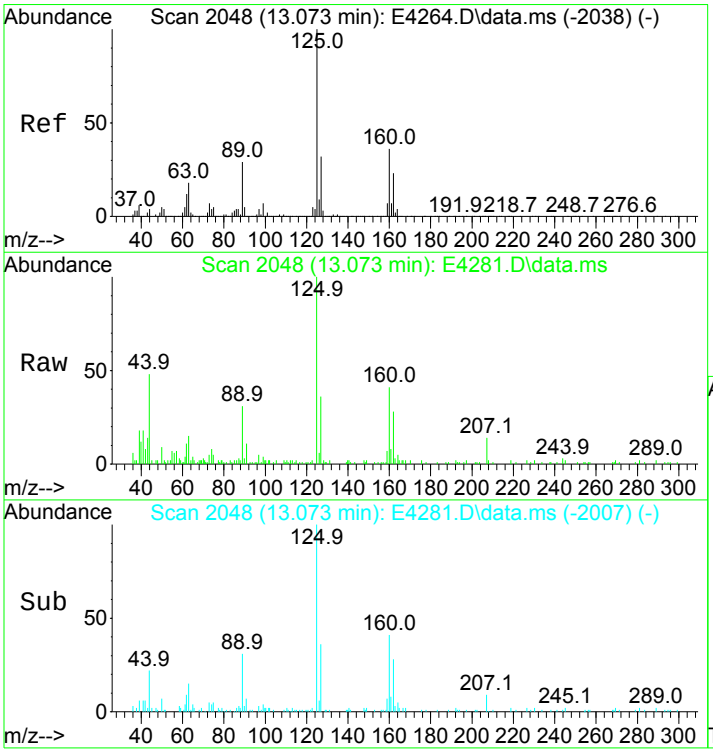


#112
Trielution Dichlorotoluene
Concen: 0.34 ug/L
RT: 12.750 min Scan# 1995
Delta R.T. -0.000 min
Lab File: E4281.D
Acq: 05 Aug 2023 12:36 pm

Tgt Ion:125 Resp: 2172

Ion	Ratio	Lower	Upper
125	100		
160	57.5	23.4	63.4
89	43.2	15.9	55.9

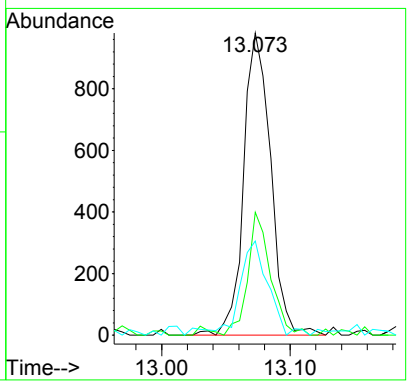


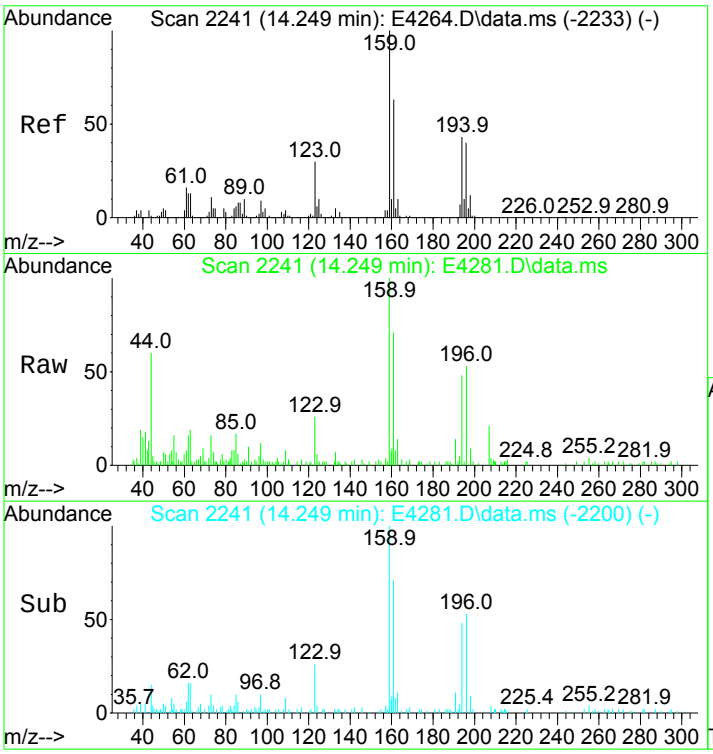


#114
Coelution Dichlorotoluene
Concen: 0.21 ug/L
RT: 13.073 min Scan# 2048
Delta R.T. -0.000 min
Lab File: E4281.D
Acq: 05 Aug 2023 12:36 pm

Tgt Ion:125 Resp: 1433

Ion	Ratio	Lower	Upper
125	100		
160	40.7	16.2	56.2
89	31.2	8.7	48.7

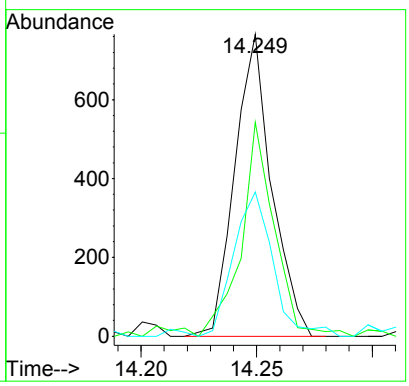




#119
2,4,5-Trichlorotoluene
Concen: 0.23 ug/L
RT: 14.249 min Scan# 2241
Delta R.T. -0.000 min
Lab File: E4281.D
Acq: 05 Aug 2023 12:36 pm

Tgt Ion:159 Resp: 848

Ion	Ratio	Lower	Upper
159	100		
161	70.9	43.1	83.1
194	47.8	22.7	62.7



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\080823\
Data File : E4314.D
Acq On : 08 Aug 2023 01:06 pm
Operator : K.Ruest
Sample : MBLK-FP
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 08 13:31:05 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration

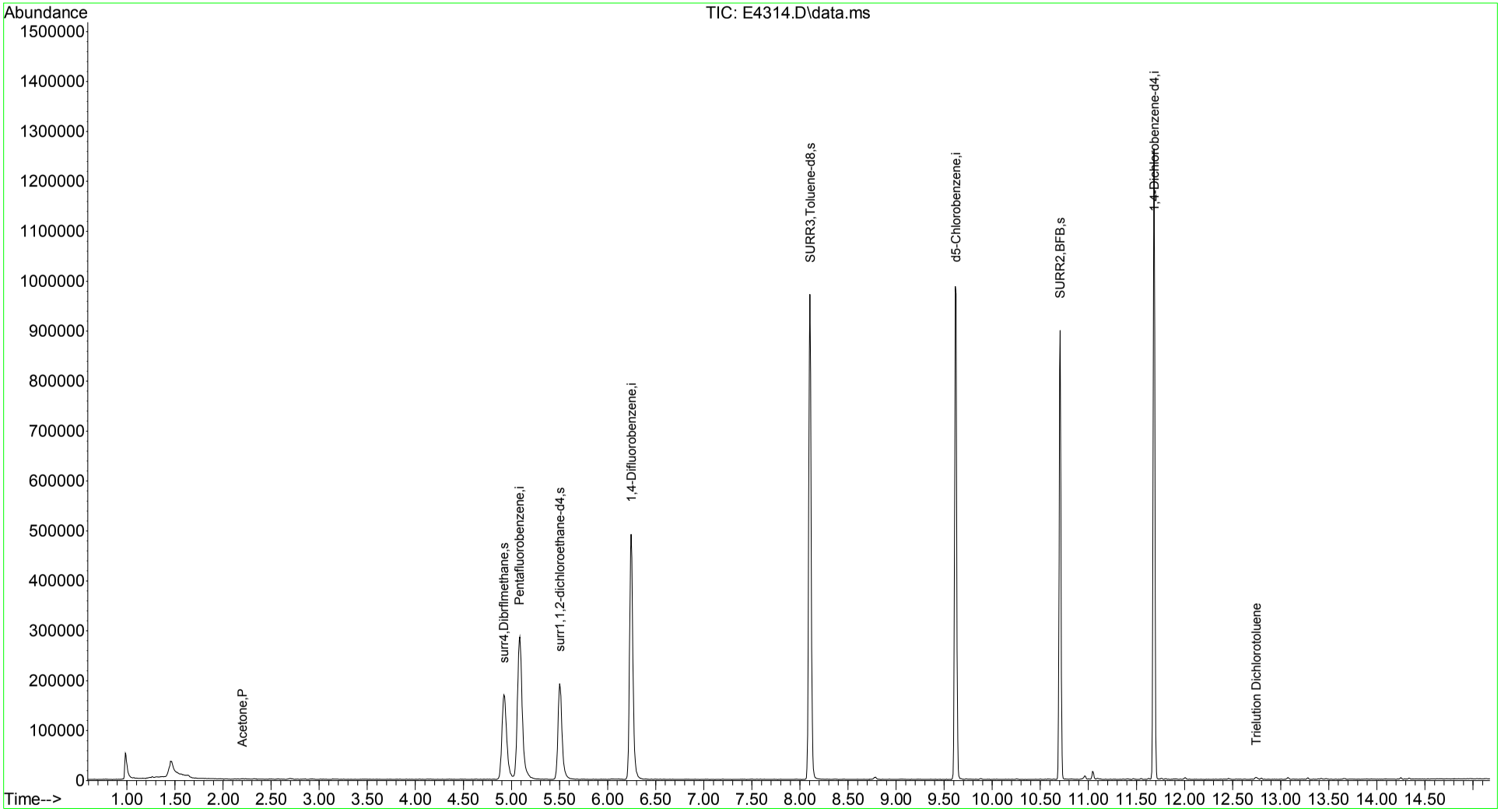
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.086	168	360145	50.00	ug/L	0.00
43) 1,4-Difluorobenzene	6.245	114	530486	50.00	ug/L	0.00
71) d5-Chlorobenzene	9.622	117	484927	50.00	ug/L	0.00
91) 1,4-Dichlorobenzene-d4	11.683	152	250736	50.00	ug/L	0.00
System Monitoring Compounds						
45) surr4,Dibrflmethane	4.922	113	177359	50.56	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 101.12%			
48) surr1,1,2-dichloroetha...	5.501	65	206112	51.27	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 102.54%			
65) SURR3,Toluene-d8	8.104	98	641395	50.26	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 100.52%			
70) SURR2,BFB	10.707	95	230533	47.41	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 94.82%			
Target Compounds						Qvalue
16) Acetone	2.197	43	1420	0.850	ug/L	88
112) Trielution Dichlorotol...	12.743	125	1858	0.291	ug/L	98

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

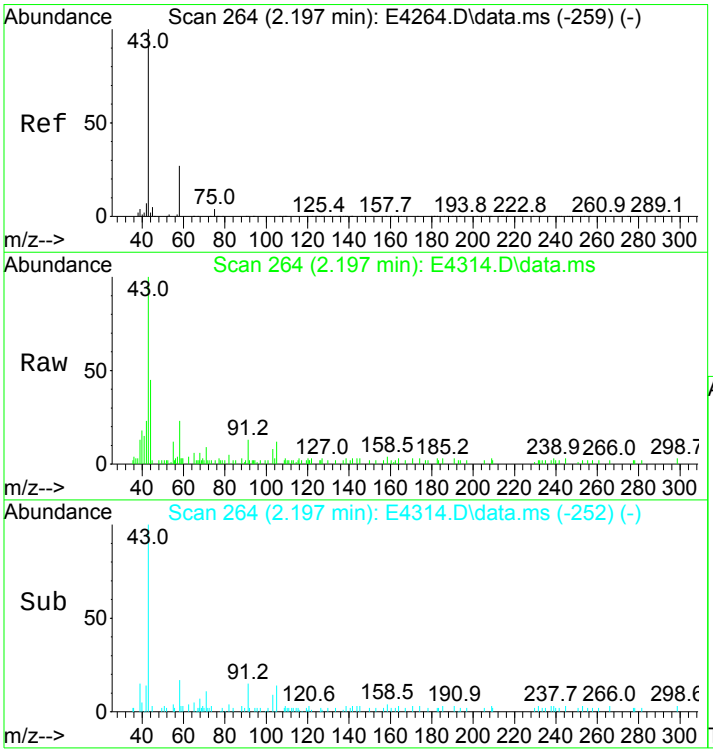
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\080823\
Data File : E4314.D
Acq On : 08 Aug 2023 01:06 pm
Operator : K.Ruest
Sample : MBLK-FP
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 08 13:31:05 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration



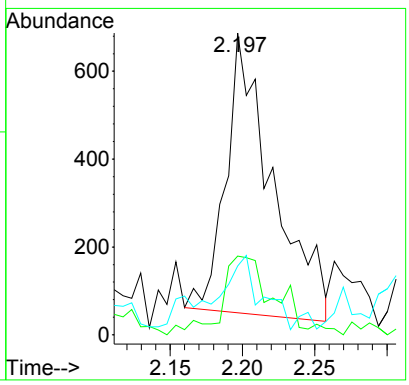
1st 08/08/23
2nd 08/09/23

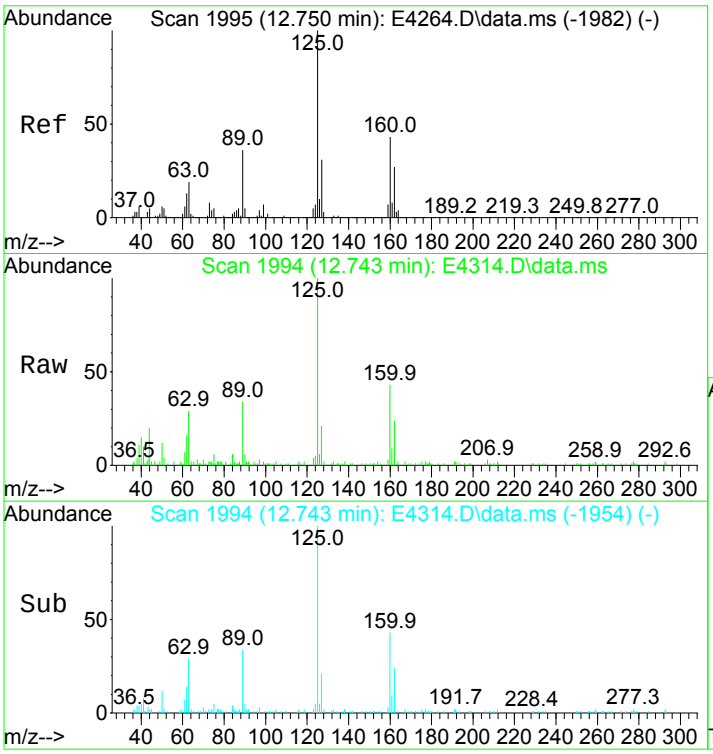


#16
Acetone
Concen: 0.85 ug/L
RT: 2.197 min Scan# 264
Delta R.T. -0.000 min
Lab File: E4314.D
Acq: 08 Aug 2023 01:06 pm

Tgt Ion: 43 Resp: 1420

Ion	Ratio	Lower	Upper
43	100		
58	26.1	7.7	47.7
42	22.9	0.0	27.6

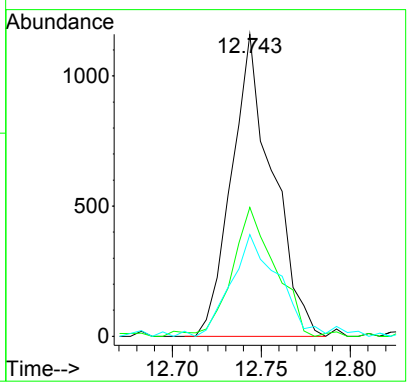




#112
Trielution Dichlorotoluene
Concen: 0.29 ug/L
RT: 12.743 min Scan# 1994
Delta R.T. -0.006 min
Lab File: E4314.D
Acq: 08 Aug 2023 01:06 pm

Tgt Ion:125 Resp: 1858

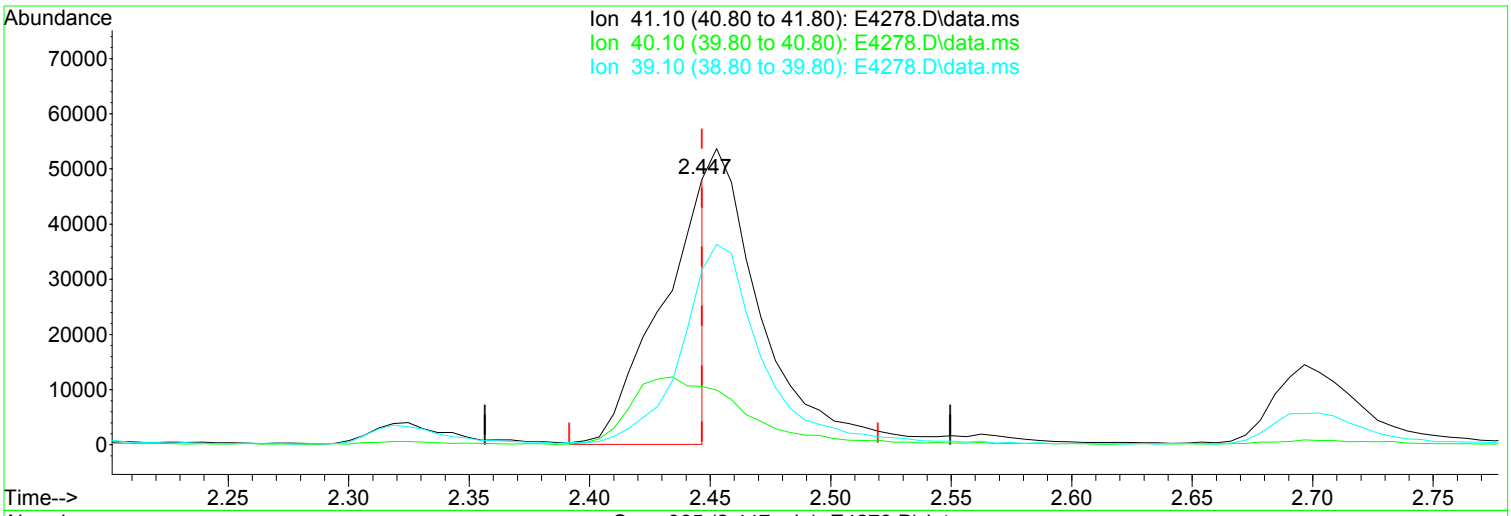
Ion	Ratio	Lower	Upper
125	100		
160	42.7	23.4	63.4
89	33.7	15.9	55.9

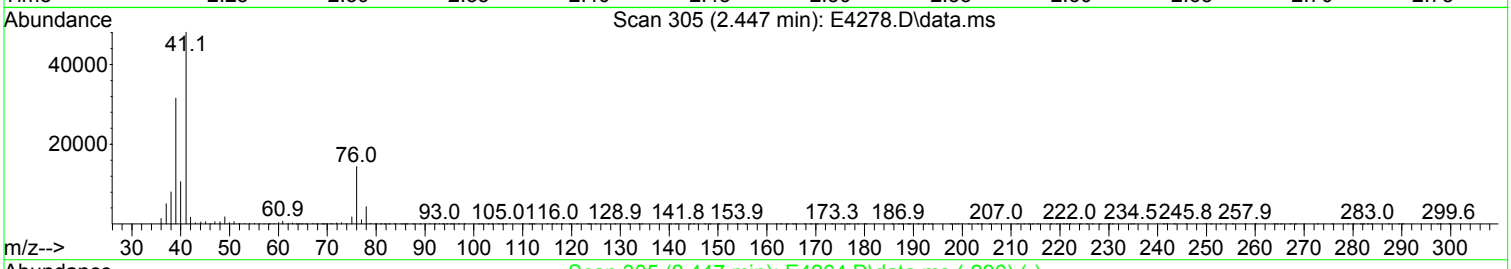


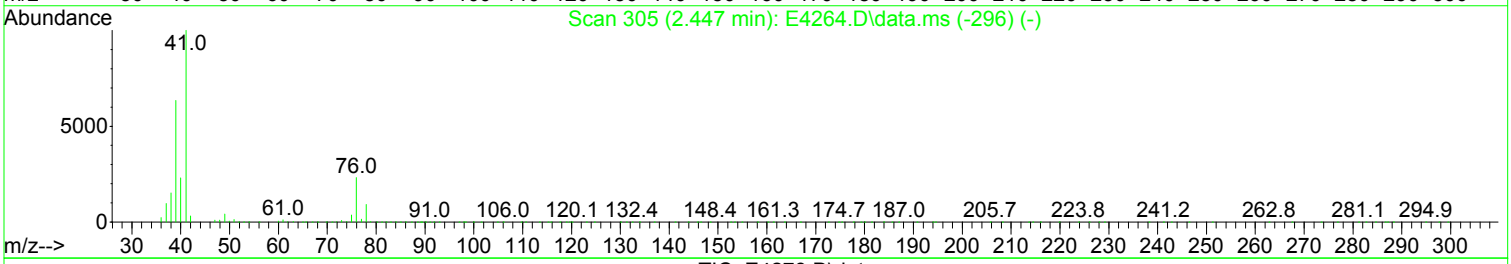
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080523\
Data File : E4278.D
Acq On : 05 Aug 2023 11:16 am
Operator : K.Ruest
Sample : LCS-FP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 05 12:16:02 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration







TIC: E4278.D\data.ms

(20) Acetonitrile

2.447min (-0.000) 103.13 ug/L m

response 65108

Ion	Exp%	Act%
41.10	100.00	100.00
40.10	23.00	21.99
39.10	63.60	65.70
0.00	0.00	0.00

Manual Integration:

After

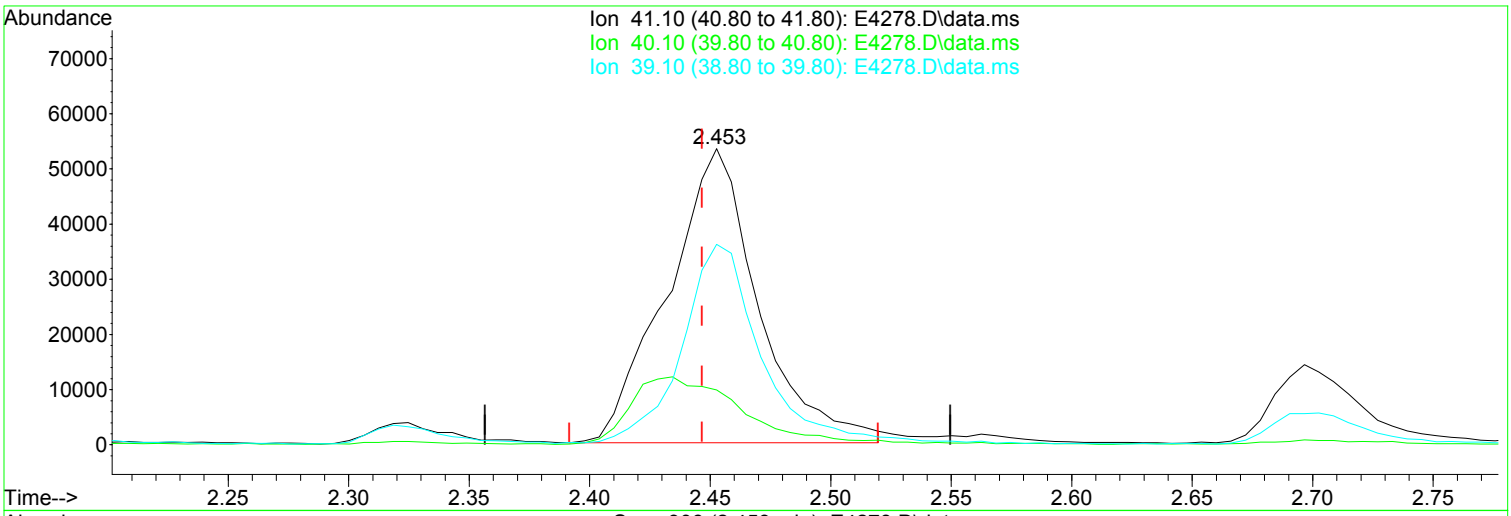
Poor integration.

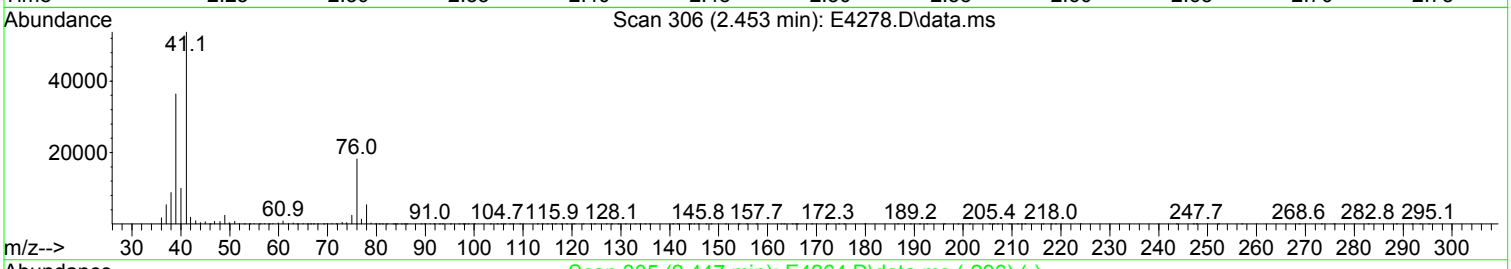
08/05/23

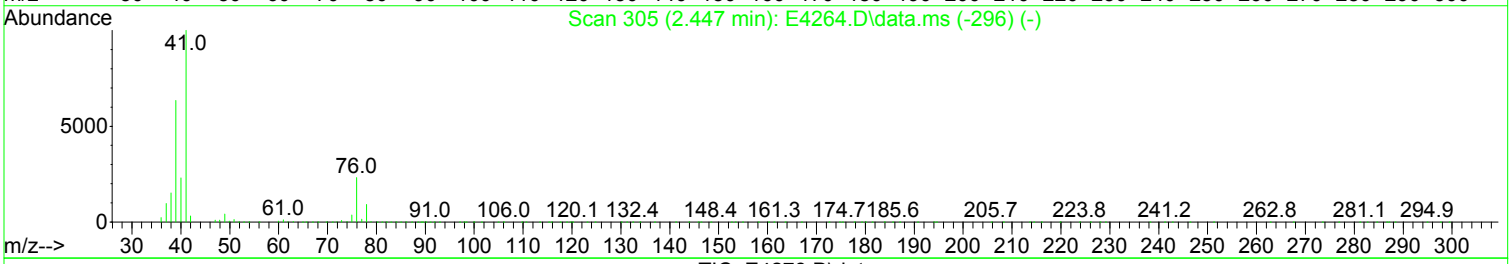
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080523\
Data File : E4278.D
Acq On : 05 Aug 2023 11:16 am
Operator : K.Ruest
Sample : LCS-FP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 05 12:16:02 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration







TIC: E4278.D\data.ms

(20) Acetonitrile

2.453min (+ 0.006) 221.43 ug/L

response 139801

Ion	Exp%	Act%
41.10	100.00	100.00
40.10	23.00	18.52
39.10	63.60	67.72
0.00	0.00	0.00

Manual Integration:

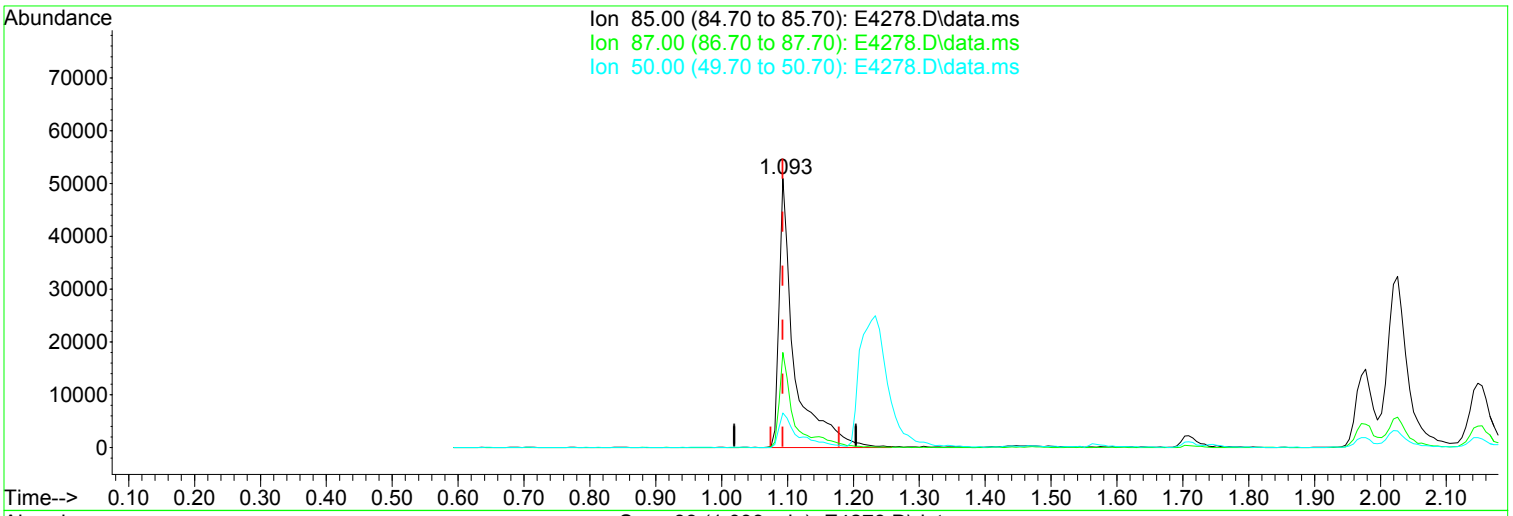
Before

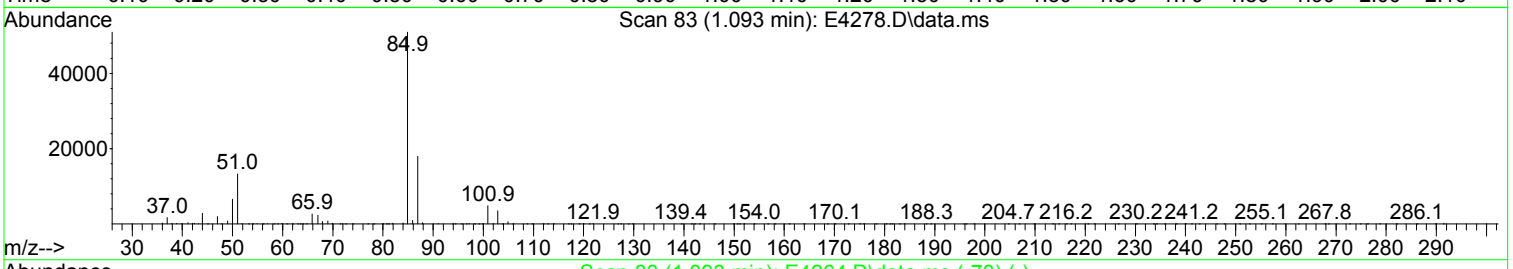
08/05/23

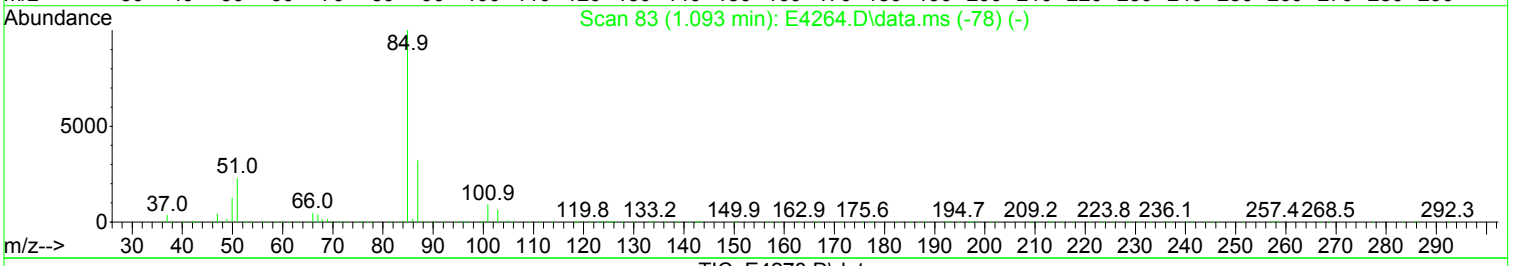
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080523\
Data File : E4278.D
Acq On : 05 Aug 2023 11:16 am
Operator : K.Ruest
Sample : LCS-FP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 05 12:16:02 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration







TIC: E4278.D\data.ms

(3) Dichlorodifluoromethane (P)

1.093min (-0.000) 17.83 ug/L m

response 81450

Ion	Exp%	Act%
85.00	100.00	100.00
87.00	32.10	35.31
50.00	12.60	12.85
0.00	0.00	0.00

Manual Integration:

After

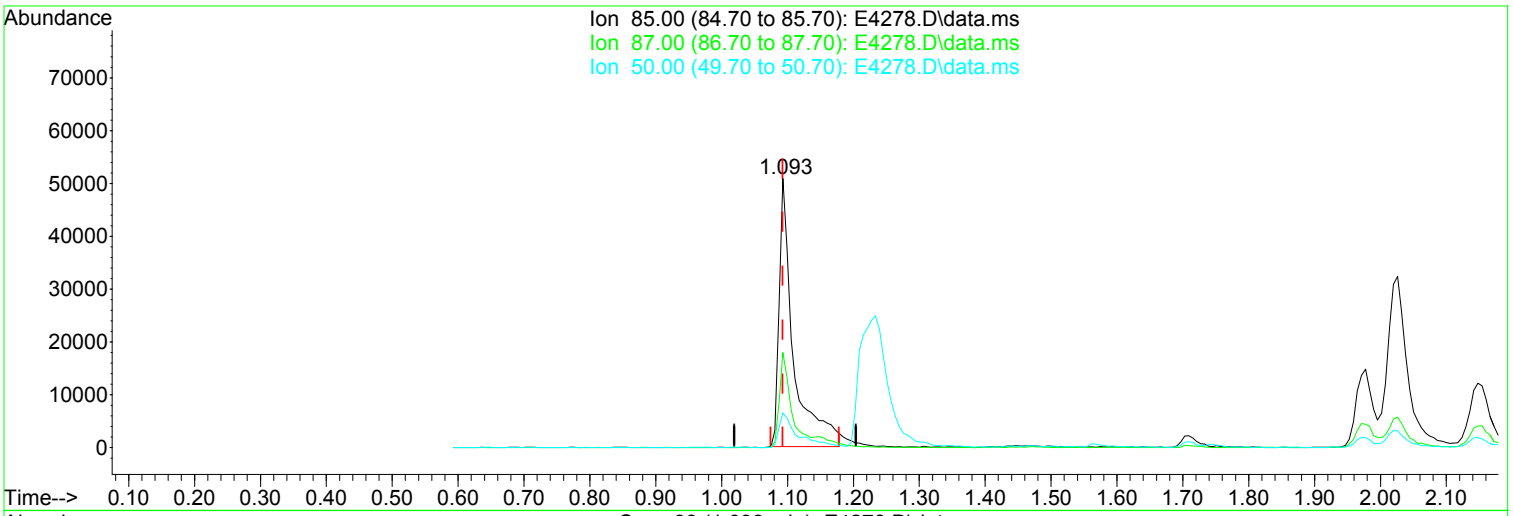
Poor integration.

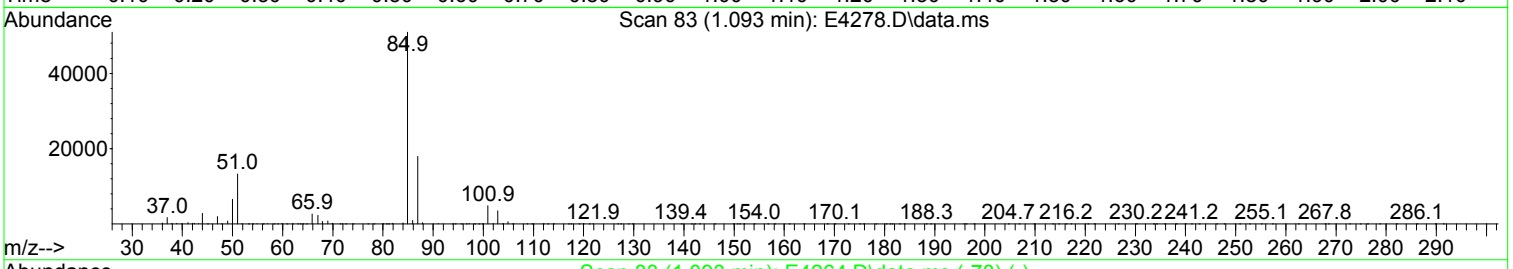
08/05/23

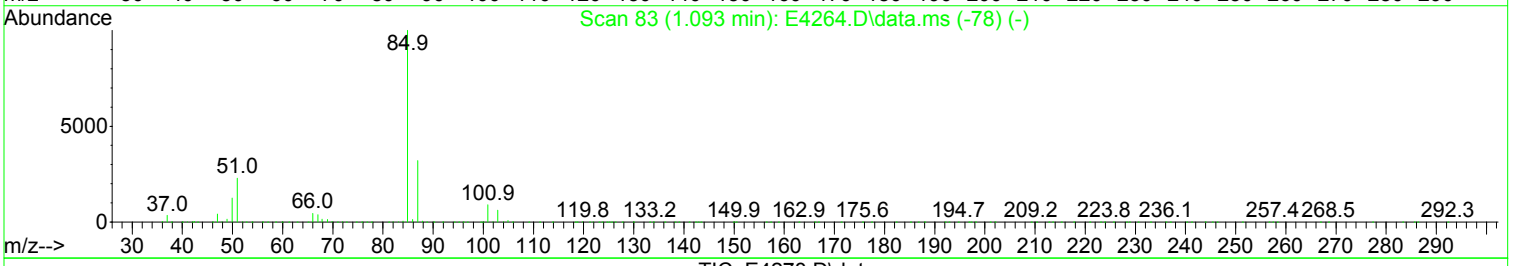
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080523\
Data File : E4278.D
Acq On : 05 Aug 2023 11:16 am
Operator : K.Ruest
Sample : LCS-FP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 05 12:16:02 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration







TIC: E4278.D\data.ms

(3) Dichlorodifluoromethane (P)

1.093min (-0.000) 16.86 ug/L

response 76998

Ion	Exp%	Act%
85.00	100.00	100.00
87.00	32.10	35.31
50.00	12.60	12.85
0.00	0.00	0.00

Manual Integration:

Before

08/05/23

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\080523\
Data File : E4278.D
Acq On : 05 Aug 2023 11:16 am
Operator : K.Ruest
Sample : LCS-FP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 05 12:16:02 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.080	168	397871	50.00	ug/L		0.00
43) 1,4-Difluorobenzene	6.245	114	564207	50.00	ug/L		0.00
71) d5-Chlorobenzene	9.616	117	514734	50.00	ug/L		0.00
91) 1,4-Dichlorobenzene-d4	11.683	152	272284	50.00	ug/L		0.00
System Monitoring Compounds							
45) surr4,Dibrflmethane	4.922	113	190030	50.93	ug/L		0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 101.86%				
48) surr1,1,2-dichloroetha...	5.501	65	216466	50.63	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 101.26%				
65) SURR3,Toluene-d8	8.104	98	685937	50.54	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 101.08%				
70) SURR2,BFB	10.701	95	260026	50.28	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 100.56%				
Target Compounds							Qvalue
2) Chlorodifluoromethane	1.099	51	67327	18.413	ug/L		95
3) Dichlorodifluoromethane	1.093	85	81450m	17.831	ug/L		
4) Chloromethane	1.233	50	72025	20.581	ug/L		92
5) Vinyl Chloride	1.282	62	80566	18.369	ug/L		98
6) Bromomethane	1.496	94	64855	21.466	ug/L		100
7) Chloroethane	1.569	64	51739	17.828	ug/L		95
8) Freon 21	1.709	67	97109	16.561	ug/L		100
9) Trichlorofluoromethane	1.752	101	116239	21.037	ug/L		94
10) Diethyl Ether	1.971	59	50115	18.426	ug/L		99
11) Freon 123a	1.977	67	63628	18.245	ug/L		98
12) Freon 123	2.026	83	99945	23.017	ug/L		98
13) Acrolein	2.069	56	26272	44.191	ug/L		99
14) 1,1-Diclethene	2.142	96	58602	19.421	ug/L		98
15) Freon 113	2.148	101	63706	19.261	ug/L		96
16) Acetone	2.197	43	25114	13.605	ug/L		96
17) 2-Propanol	2.319	45	107267	353.928	ug/L		99
18) Iodomethane	2.264	142	95667	20.571	ug/L		100
19) Carbon Disulfide	2.319	76	157455	17.568	ug/L		99
20) Acetonitrile	2.447	41	65108m	103.126	ug/L		
21) Allyl Chloride	2.453	76	36592	21.402	ug/L		98
22) Methyl Acetate	2.483	43	55287	13.233	ug/L		96
23) Methylene Chloride	2.568	84	64402	19.137	ug/L		98
24) TBA	2.697	59	193519	364.229	ug/L		99
25) Acrylonitrile	2.812	53	145862	93.483	ug/L		99
26) Methyl-t-Butyl Ether	2.849	73	204458	19.080	ug/L		99
27) trans-1,2-Dichloroethene	2.837	96	66333	19.385	ug/L		97
28) 1,1-Diclethane	3.306	63	111072	20.442	ug/L		96
29) Vinyl Acetate	3.398	86	13533	26.200	ug/L	#	83
30) DIPE	3.422	45	178161	18.137	ug/L		96
31) 2-Chloro-1,3-Butadiene	3.416	53	90698	17.513	ug/L		98
32) ETBE	3.922	59	171588	16.828	ug/L		99
33) 2,2-Dichloropropane	4.087	77	107686	20.214	ug/L		97
34) cis-1,2-Dichloroethene	4.093	96	71578	19.081	ug/L		97
35) 2-Butanone	4.160	43	32196	14.762	ug/L		96
36) Propionitrile	4.239	54	59644	91.577	ug/L		99
37) Bromochloromethane	4.458	130	49206	20.018	ug/L		96
38) Methacrylonitrile	4.483	67	32968	19.066	ug/L		94
39) Tetrahydrofuran	4.574	42	23982	18.155	ug/L		92
40) Chloroform	4.635	83	118705	19.275	ug/L		96

Data Path : I:\ACQUDATA\MSVOA17\Data\080523\
Data File : E4278.D
Acq On : 05 Aug 2023 11:16 am
Operator : K.Ruest
Sample : LCS-FP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 05 12:16:02 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) 1,1,1-Trichloroethane	4.922	97	112057	20.015	ug/L	98
42) TAME	5.842	73	181072	18.191	ug/L	99
44) Cyclohexane	5.007	41	56337	18.623	ug/L	100
46) Carbontetrachloride	5.214	117	100108	21.362	ug/L	98
47) 1,1-Dichloropropene	5.233	75	86778	20.240	ug/L	97
49) Benzene	5.574	78	250523	20.446	ug/L	99
50) 1,2-Dichloroethane	5.623	62	95719	19.972	ug/L	100
51) Iso-Butyl Alcohol	5.641	43	74600	367.839	ug/L	98
52) n-Heptane	6.092	43	89704	20.396	ug/L	97
53) 1-Butanol	6.647	56	111239	869.924	ug/L	98
54) Trichloroethene	6.574	130	76249	20.071	ug/L	93
55) Methylcyclohexane	6.812	55	79689	18.881	ug/L	95
56) 1,2-Diclpropane	6.867	63	62423	19.636	ug/L	99
57) Dibromomethane	7.013	93	45895	19.659	ug/L	92
58) 1,4-Dioxane	7.098	88	21621	366.107	ug/L	95
59) Methyl Methacrylate	7.116	69	56723	19.646	ug/L	97
60) Bromodichloromethane	7.251	83	94205	19.213	ug/L	99
61) 2-Nitropropane	7.555	41	46685	37.478	ug/L	89
63) cis-1,3-Dichloropropene	7.805	75	113909	20.817	ug/L	99
64) 4-Methyl-2-pentanone	8.031	43	73321	18.071	ug/L	99
66) Toluene	8.177	91	281429	20.172	ug/L	98
67) trans-1,3-Dichloropropene	8.464	75	108132	21.361	ug/L	98
68) Ethyl Methacrylate	8.610	69	101185	20.032	ug/L	99
69) 1,1,2-Trichloroethane	8.653	97	65770	19.697	ug/L	97
72) Tetrachloroethene	8.775	164	62774	20.092	ug/L	98
73) 2-Hexanone	8.958	43	52701	17.144	ug/L	95
74) 1,3-Dichloropropane	8.823	76	109623	19.830	ug/L	99
75) Dibromochloromethane	9.049	129	83219	20.332	ug/L	98
76) N-Butyl Acetate	9.116	43	111126	18.164	ug/L	98
77) 1,2-Dibromoethane	9.147	107	72470	19.760	ug/L	99
78) 3-Chlorobenzotrifluoride	9.677	180	101157	17.823	ug/L	99
79) Chlorobenzene	9.646	112	191230	19.912	ug/L	99
80) 4-Chlorobenzotrifluoride	9.732	180	91204	17.855	ug/L	99
81) 1,1,1,2-Tetrachloroethane	9.738	131	76620	19.994	ug/L	99
82) Ethylbenzene	9.768	106	101466	20.289	ug/L	98
83) (m+p)Xylene	9.884	106	252620	40.437	ug/L	99
84) o-Xylene	10.244	106	122994	20.044	ug/L	93
85) Styrene	10.256	104	209358	20.129	ug/L	99
86) Bromoform	10.409	173	61926	19.907	ug/L	99
87) 2-Chlorobenzotrifluoride	10.494	180	97729	17.622	ug/L	98
88) Isopropylbenzene	10.579	105	313801	20.770	ug/L	98
89) Cyclohexanone	10.652	55	56924	74.562	ug/L	97
90) trans-1,4-Dichloro-2-B...	10.896	53	24847	16.703	ug/L	88
92) 1,1,2,2-Tetrachloroethane	10.848	83	90770	18.784	ug/L	99
93) Bromobenzene	10.823	156	89295	19.500	ug/L	98
94) 1,2,3-Trichloropropane	10.878	110	31437	18.802	ug/L	97
95) n-Propylbenzene	10.939	91	370592	20.514	ug/L	100
96) 2-Chlorotoluene	11.000	91	218887	20.003	ug/L	98
97) 3-Chlorotoluene	11.055	91	197895	17.663	ug/L	97
98) 4-Chlorotoluene	11.091	91	259545	19.466	ug/L	98
99) 1,3,5-Trimethylbenzene	11.091	105	268979	19.305	ug/L	98
100) tert-Butylbenzene	11.366	119	238991	20.175	ug/L	99
101) 1,2,4-Trimethylbenzene	11.408	105	270707	20.173	ug/L	99
102) 3,4-Dichlorobenzotrifl...	11.469	214	80382	17.817	ug/L	98
103) sec-Butylbenzene	11.549	105	344470	20.336	ug/L	99
104) p-Isopropyltoluene	11.671	119	302963	20.370	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\080523\
Data File : E4278.D
Acq On : 05 Aug 2023 11:16 am
Operator : K.Ruest
Sample : LCS-FP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 05 12:16:02 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
105) 1,3-Dclbenz	11.628	146	164678	19.834	ug/L	98
106) 1,4-Dclbenz	11.701	146	166579	19.603	ug/L	99
107) 2,4-Dichlorobenzotrifl...	11.762	214	72371	17.915	ug/L	98
108) 2,5-Dichlorobenzotrifl...	11.805	214	81480	18.206	ug/L	99
109) n-Butylbenzene	12.006	91	265399	20.766	ug/L	99
110) 1,2-Dclbenz	12.006	146	161226	19.827	ug/L	99
111) 1,2-Dibromo-3-chloropr...	12.628	157	25865	19.384	ug/L	93
112) Trielution Dichlorotol...	12.750	125	378177	54.452	ug/L	98
113) 1,3,5-Trichlorobenzene	12.798	180	110721	18.144	ug/L	95
114) Coelution Dichlorotoluene	13.073	125	270712	36.877	ug/L	99
115) 1,2,4-Tcbenzene	13.286	180	118473	19.252	ug/L	98
116) Hexachlorobt	13.420	225	59308	21.398	ug/L	98
117) Naphthalen	13.475	128	300408	19.684	ug/L	100
118) 1,2,3-Tclbenzene	13.664	180	115693	19.404	ug/L	98
119) 2,4,5-Trichlorotoluene	14.249	159	77679	19.996	ug/L	99
120) 2,3,6-Trichlorotoluene	14.335	159	74797	20.609	ug/L	97

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\080523\
Data File : E4278.D
Acq On : 05 Aug 2023 11:16 am
Operator : K.Ruest
Sample : LCS-FP
Misc :
ALS Vial : 1 Sample Multiplier: 1

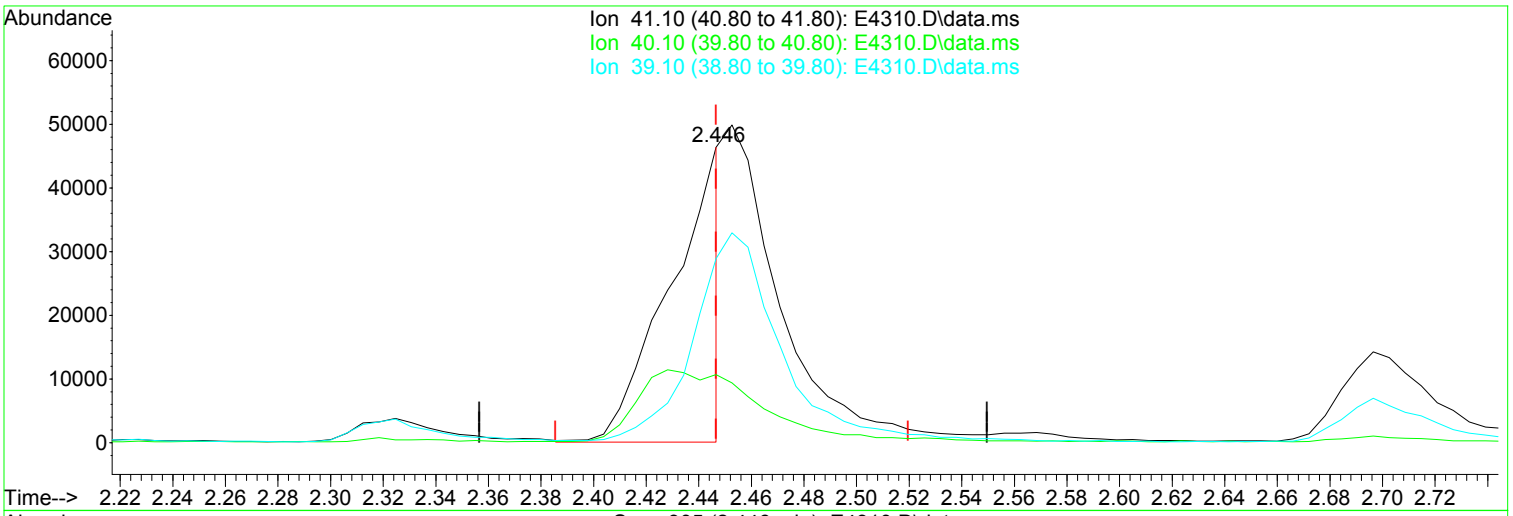
Quant Time: Aug 05 12:16:02 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration

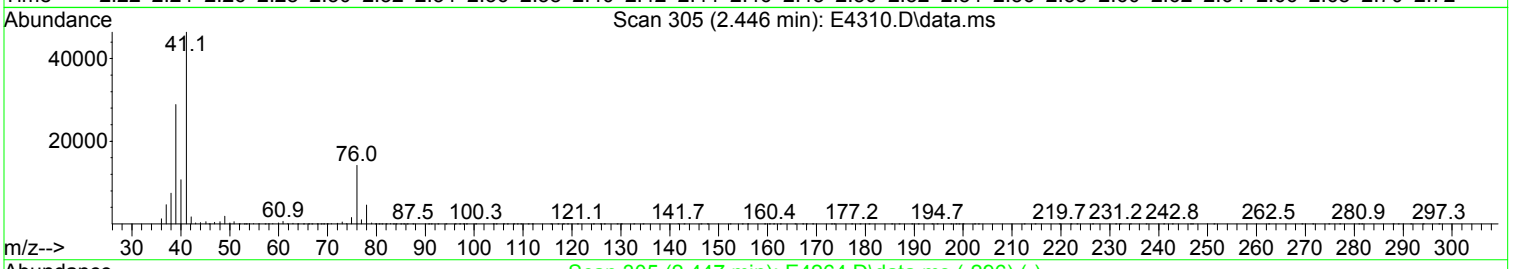
1st 08/05/23
2nd 08/09/23

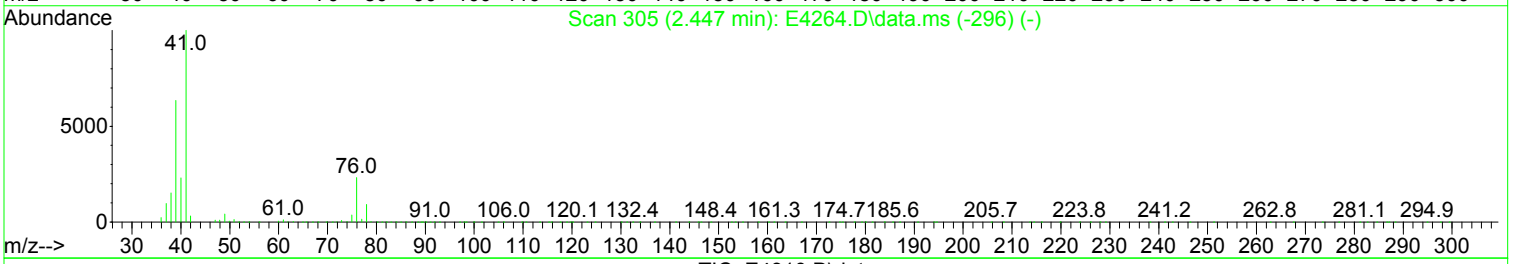
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080823\
Data File : E4310.D
Acq On : 08 Aug 2023 11:26 am
Operator : K.Ruest
Sample : LCS-FP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 08 11:46:39 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration







TIC: E4310.D\data.ms

(20) Acetonitrile

2.446min (-0.000) 103.38 ug/L m

response 63087

Ion	Exp%	Act%
41.10	100.00	100.00
40.10	23.00	23.01
39.10	63.60	62.26
0.00	0.00	0.00

Manual Integration:

After

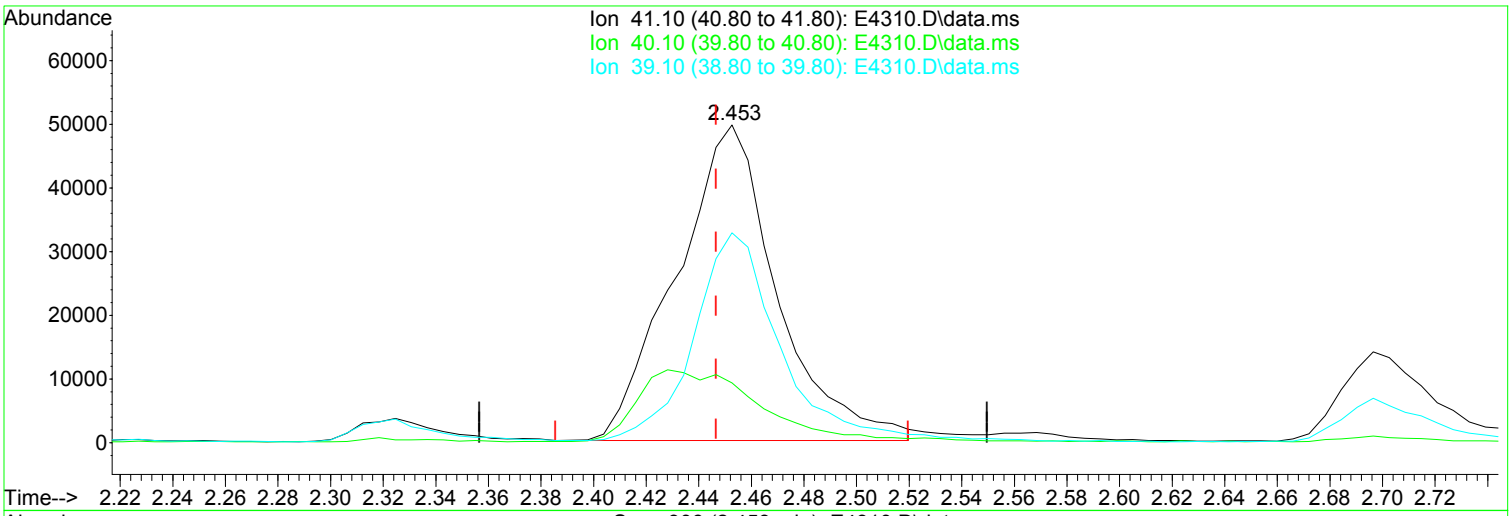
Poor integration.

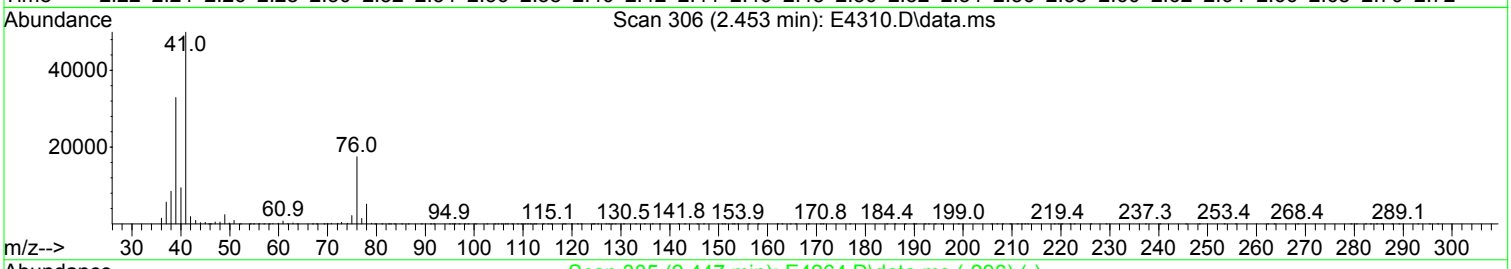
08/08/23

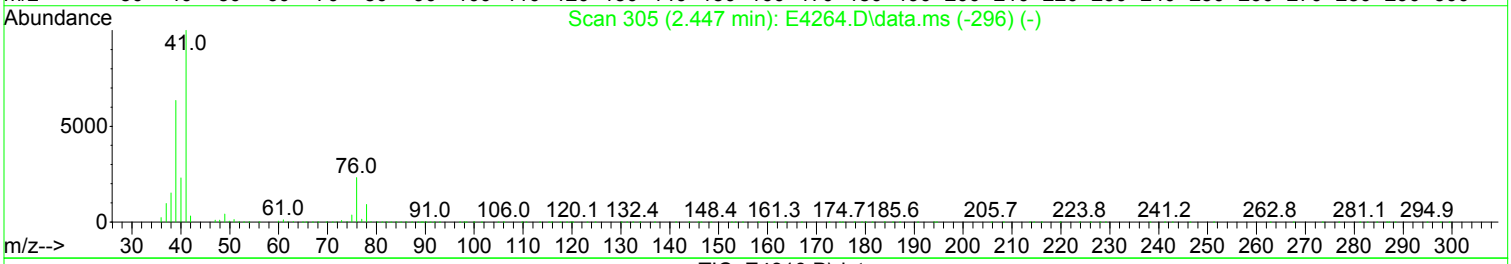
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080823\
Data File : E4310.D
Acq On : 08 Aug 2023 11:26 am
Operator : K.Ruest
Sample : LCS-FP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 08 11:46:39 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration







TIC: E4310.D\data.ms

(20) Acetonitrile

2.453min (+ 0.006) 216.84 ug/L

response 132321

Ion	Exp%	Act%
41.10	100.00	100.00
40.10	23.00	18.82
39.10	63.60	66.02
0.00	0.00	0.00

Manual Integration:

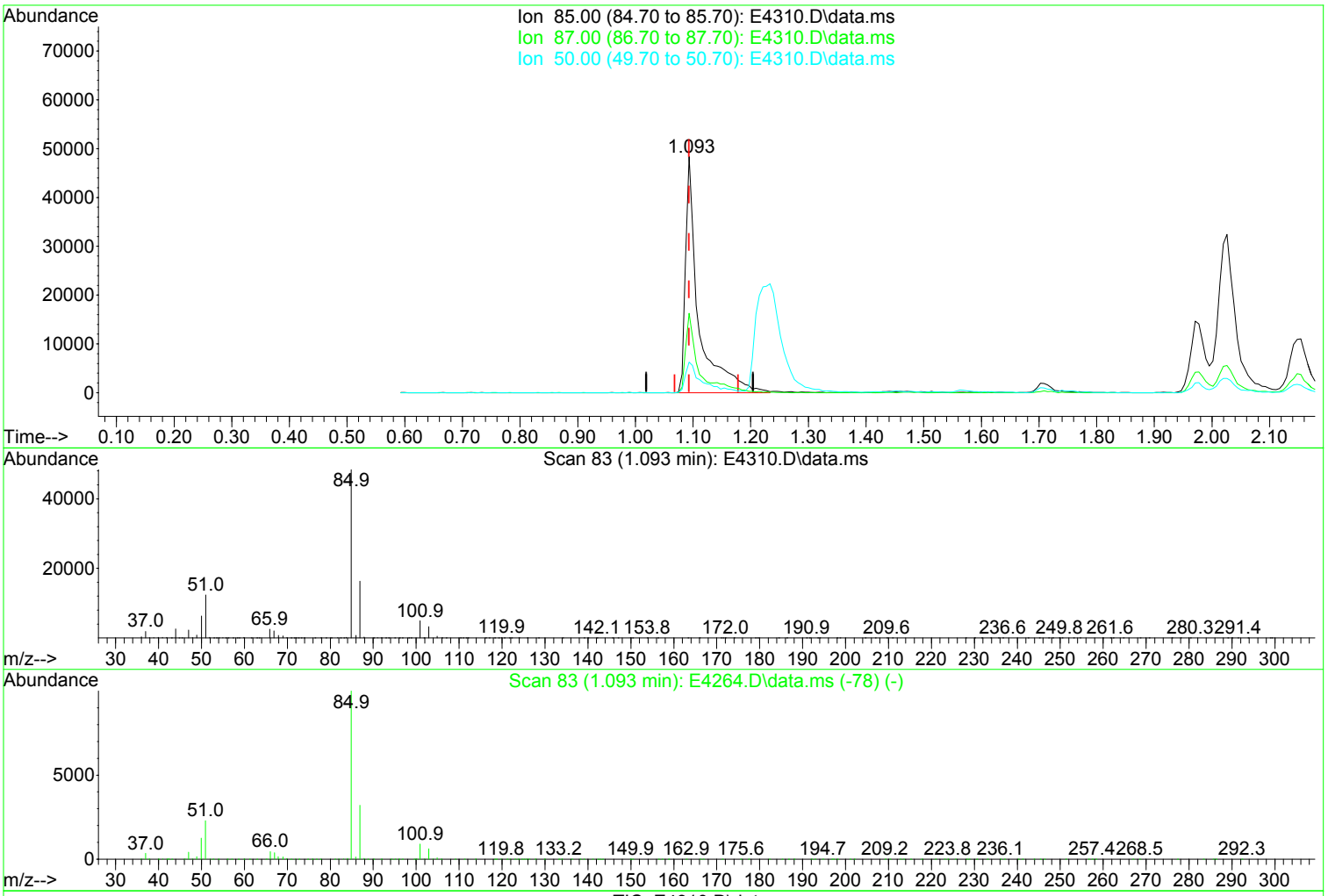
Before

08/08/23

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080823\
Data File : E4310.D
Acq On : 08 Aug 2023 11:26 am
Operator : K.Ruest
Sample : LCS-FP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 08 11:46:39 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration



TIC: E4310.D\data.ms

(3) Dichlorodifluoromethane (P)

1.093min (-0.000) 17.39 ug/L m

response 76776

Ion	Exp%	Act%
85.00	100.00	100.00
87.00	32.10	33.68
50.00	12.60	13.00
0.00	0.00	0.00

Manual Integration:

After

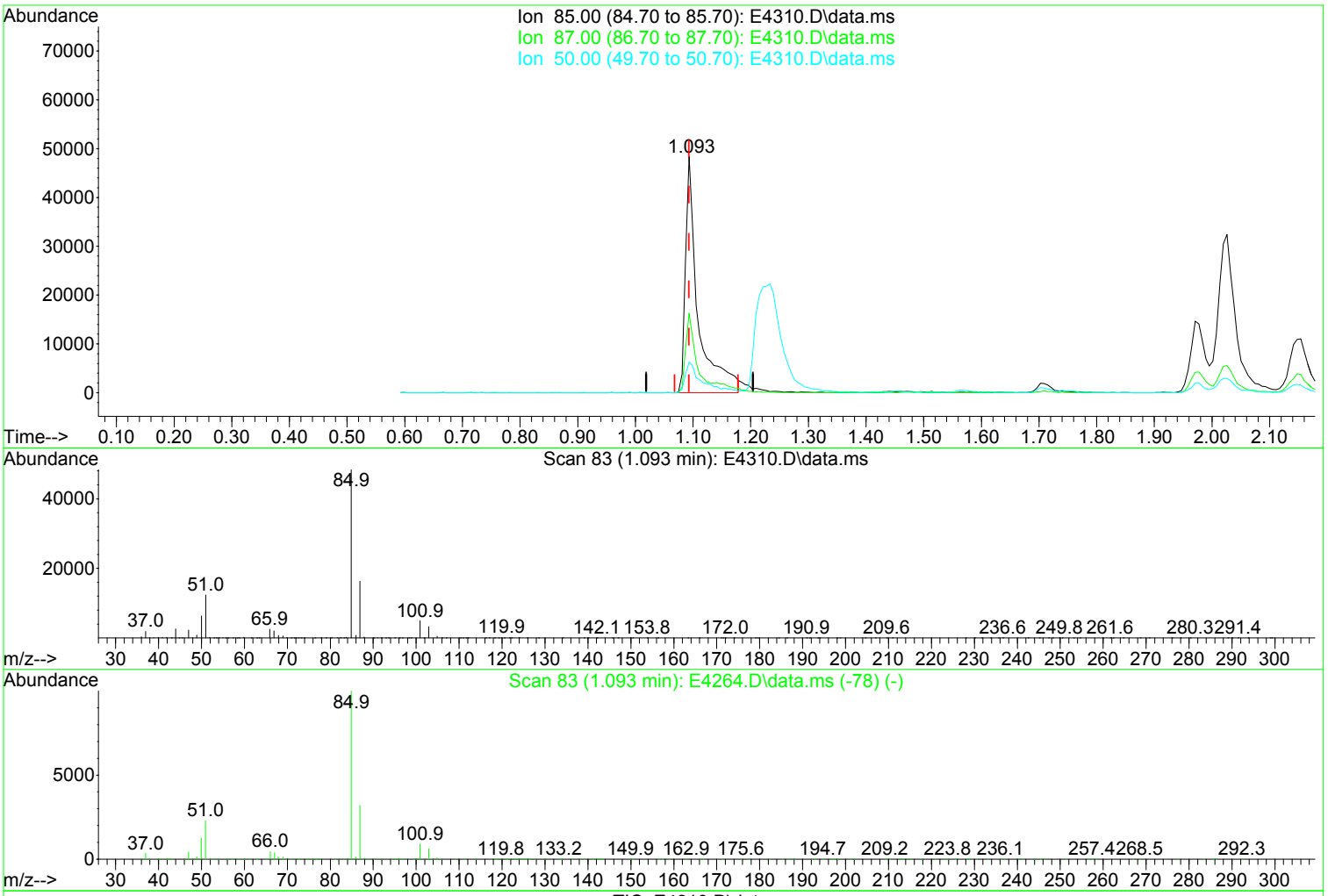
Poor integration.

08/08/23

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080823\
Data File : E4310.D
Acq On : 08 Aug 2023 11:26 am
Operator : K.Ruest
Sample : LCS-FP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 08 11:46:39 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration



TIC: E4310.D\data.ms

(3) Dichlorodifluoromethane (P)

1.093min (-0.000) 16.62 ug/L

response 73393

Ion	Exp%	Act%
85.00	100.00	100.00
87.00	32.10	33.68
50.00	12.60	13.00
0.00	0.00	0.00

Manual Integration:

Before

08/08/23

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\080823\
Data File : E4310.D
Acq On : 08 Aug 2023 11:26 am
Operator : K.Ruest
Sample : LCS-FP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 08 11:46:39 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.080	168	384568	50.00	ug/L	0.00
43) 1,4-Difluorobenzene	6.245	114	556542	50.00	ug/L	0.00
71) d5-Chlorobenzene	9.616	117	505134	50.00	ug/L	0.00
91) 1,4-Dichlorobenzene-d4	11.683	152	266300	50.00	ug/L	0.00
System Monitoring Compounds						
45) surr4,Dibrflmethane	4.922	113	186238	50.60	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 101.20%			
48) surr1,1,2-dichloroetha...	5.501	65	210024	49.80	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 99.60%			
65) SURR3,Toluene-d8	8.104	98	673569	50.31	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 100.62%			
70) SURR2,BFB	10.701	95	244363	47.90	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 95.80%			
Target Compounds						Qvalue
2) Chlorodifluoromethane	1.099	51	64528	18.258	ug/L	97
3) Dichlorodifluoromethane	1.093	85	76776m	17.389	ug/L	
4) Chloromethane	1.233	50	65873	19.474	ug/L	99
5) Vinyl Chloride	1.282	62	76643	18.079	ug/L	100
6) Bromomethane	1.495	94	52497	17.977	ug/L	97
7) Chloroethane	1.569	64	50465	17.990	ug/L	96
8) Freon 21	1.709	67	94631	16.696	ug/L	98
9) Trichlorofluoromethane	1.751	101	108761	20.364	ug/L	98
10) Diethyl Ether	1.971	59	48795	18.561	ug/L	98
11) Freon 123a	1.971	67	62117	18.428	ug/L	95
12) Freon 123	2.026	83	93277	22.224	ug/L	95
13) Acrolein	2.068	56	23971	41.715	ug/L	97
14) 1,1-Diclethene	2.142	96	57479	19.707	ug/L	95
15) Freon 113	2.148	101	60669	18.977	ug/L	99
16) Acetone	2.197	43	25475	14.278	ug/L	99
17) 2-Propanol	2.318	45	108101	369.018	ug/L	99
18) Iodomethane	2.264	142	89920	20.005	ug/L	99
19) Carbon Disulfide	2.318	76	152904	17.651	ug/L	99
20) Acetonitrile	2.446	41	63087m	103.382	ug/L	
21) Allyl Chloride	2.453	76	35394	21.418	ug/L	92
22) Methyl Acetate	2.483	43	56176	13.911	ug/L	97
23) Methylene Chloride	2.568	84	61104	18.785	ug/L	97
24) TBA	2.696	59	190806	371.546	ug/L	98
25) Acrylonitrile	2.812	53	140125	92.913	ug/L	96
26) Methyl-t-Butyl Ether	2.849	73	194440	18.772	ug/L	99
27) trans-1,2-Dichloroethene	2.837	96	63021	19.055	ug/L	98
28) 1,1-Diclethane	3.306	63	106120	20.206	ug/L	99
29) Vinyl Acetate	3.391	86	13482	27.005	ug/L #	62
30) DIPE	3.422	45	187975	19.798	ug/L	98
31) 2-Chloro-1,3-Butadiene	3.416	53	88588	17.697	ug/L	95
32) ETBE	3.922	59	179394	18.203	ug/L	97
33) 2,2-Dichloropropane	4.080	77	101552	19.722	ug/L	97
34) cis-1,2-Dichloroethene	4.086	96	68213	18.813	ug/L	99
35) 2-Butanone	4.154	43	31578	14.979	ug/L	97
36) Propionitrile	4.239	54	57492	91.327	ug/L	98
37) Bromochloromethane	4.464	130	45867	19.305	ug/L	96
38) Methacrylonitrile	4.483	67	31727	18.983	ug/L	94
39) Tetrahydrofuran	4.574	42	24208	18.960	ug/L	88
40) Chloroform	4.635	83	112097	18.832	ug/L	98

Data Path : I:\ACQUDATA\MSVOA17\Data\080823\
Data File : E4310.D
Acq On : 08 Aug 2023 11:26 am
Operator : K.Ruest
Sample : LCS-FP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 08 11:46:39 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) 1,1,1-Trichloroethane	4.922	97	103446	19.116	ug/L	98
42) TAME	5.842	73	190722	19.824	ug/L	98
44) Cyclohexane	5.001	41	53707	17.998	ug/L	99
46) Carbontetrachloride	5.214	117	91675	19.832	ug/L	100
47) 1,1-Dichloropropene	5.233	75	80510	19.037	ug/L	99
49) Benzene	5.574	78	235164	19.457	ug/L	97
50) 1,2-Dichloroethane	5.629	62	89196	18.867	ug/L	99
51) Iso-Butyl Alcohol	5.641	43	69789	348.857	ug/L	97
52) n-Heptane	6.092	43	80675	18.596	ug/L	99
53) 1-Butanol	6.647	56	117828	934.143	ug/L	99
54) Trichloroethene	6.574	130	72710	19.403	ug/L	97
55) Methylcyclohexane	6.812	55	76554	18.388	ug/L	97
56) 1,2-Diclpropane	6.866	63	58629	18.697	ug/L	97
57) Dibromomethane	7.013	93	44005	19.109	ug/L	91
58) 1,4-Dioxane	7.098	88	21447	368.163	ug/L	92
59) Methyl Methacrylate	7.116	69	54251	19.048	ug/L	96
60) Bromodichloromethane	7.250	83	88716	18.343	ug/L	99
61) 2-Nitropropane	7.555	41	44169	35.946	ug/L	96
63) cis-1,3-Dichloropropene	7.805	75	105604	19.565	ug/L	98
64) 4-Methyl-2-pentanone	8.031	43	71174	17.784	ug/L	98
66) Toluene	8.177	91	264030	19.185	ug/L	100
67) trans-1,3-Dichloropropene	8.464	75	101779	20.383	ug/L	98
68) Ethyl Methacrylate	8.610	69	95867	19.240	ug/L	99
69) 1,1,2-Trichloroethane	8.653	97	63539	19.291	ug/L	97
72) Tetrachloroethene	8.775	164	57972	18.908	ug/L	99
73) 2-Hexanone	8.958	43	51573	17.096	ug/L	98
74) 1,3-Dichloropropane	8.823	76	104924	19.340	ug/L	99
75) Dibromochloromethane	9.049	129	76434	19.029	ug/L	98
76) N-Butyl Acetate	9.116	43	111387	18.552	ug/L	99
77) 1,2-Dibromoethane	9.140	107	68214	18.953	ug/L	98
78) 3-Chlorobenzotrifluoride	9.677	180	111408	20.002	ug/L	98
79) Chlorobenzene	9.646	112	179626	19.059	ug/L	100
80) 4-Chlorobenzotrifluoride	9.732	180	98306	19.611	ug/L	98
81) 1,1,1,2-Tetrachloroethane	9.738	131	71223	18.939	ug/L	97
82) Ethylbenzene	9.768	106	93608	19.074	ug/L	98
83) (m+p)Xylene	9.884	106	234435	38.239	ug/L	99
84) o-Xylene	10.244	106	114777	19.061	ug/L	96
85) Styrene	10.256	104	197113	19.312	ug/L	99
86) Bromoform	10.408	173	59276	19.418	ug/L	98
87) 2-Chlorobenzotrifluoride	10.494	180	104267	19.158	ug/L	99
88) Isopropylbenzene	10.579	105	288490	19.458	ug/L	99
89) Cyclohexanone	10.652	55	55916	74.634	ug/L	98
90) trans-1,4-Dichloro-2-B...	10.896	53	23178	15.877	ug/L	94
92) 1,1,2,2-Tetrachloroethane	10.847	83	88269	18.677	ug/L	98
93) Bromobenzene	10.823	156	82938	18.519	ug/L	96
94) 1,2,3-Trichloropropane	10.878	110	30316	18.539	ug/L	97
95) n-Propylbenzene	10.939	91	340237	19.257	ug/L	99
96) 2-Chlorotoluene	11.000	91	204253	19.085	ug/L	99
97) 3-Chlorotoluene	11.055	91	214246	19.552	ug/L	99
98) 4-Chlorotoluene	11.091	91	239659	18.378	ug/L	95
99) 1,3,5-Trimethylbenzene	11.091	105	254075	18.645	ug/L	99
100) tert-Butylbenzene	11.366	119	218811	18.887	ug/L	100
101) 1,2,4-Trimethylbenzene	11.402	105	247995	18.896	ug/L	97
102) 3,4-Dichlorobenzotrifl...	11.469	214	86402	19.582	ug/L	98
103) sec-Butylbenzene	11.549	105	315609	19.051	ug/L	99
104) p-Isopropyltoluene	11.670	119	278478	19.144	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\080823\
Data File : E4310.D
Acq On : 08 Aug 2023 11:26 am
Operator : K.Ruest
Sample : LCS-FP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 08 11:46:39 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
105) 1,3-Dclbenz	11.628	146	153950	18.959	ug/L	99
106) 1,4-Dclbenz	11.701	146	154732	18.618	ug/L	99
107) 2,4-Dichlorobenzotrifl...	11.762	214	77212	19.543	ug/L	98
108) 2,5-Dichlorobenzotrifl...	11.805	214	86857	19.843	ug/L	99
109) n-Butylbenzene	12.006	91	242502	19.401	ug/L	99
110) 1,2-Dclbenz	12.006	146	150266	18.894	ug/L	99
111) 1,2-Dibromo-3-chloropr...	12.634	157	24873	19.059	ug/L	96
112) Trielution Dichlorotol...	12.750	125	399435	58.805	ug/L	100
113) 1,3,5-Trichlorobenzene	12.798	180	117873	19.750	ug/L	99
114) Coelution Dichlorotoluene	13.073	125	284512	39.628	ug/L	99
115) 1,2,4-Tcbenzene	13.286	180	110105	18.295	ug/L	97
116) Hexachlorobt	13.420	225	54568	20.130	ug/L	97
117) Naphthalen	13.475	128	291580	19.535	ug/L	99
118) 1,2,3-Tclbenzene	13.664	180	105705	18.127	ug/L	97
119) 2,4,5-Trichlorotoluene	14.249	159	79060	20.809	ug/L	98
120) 2,3,6-Trichlorotoluene	14.335	159	71721	20.205	ug/L	98

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\080823\
Data File : E4310.D
Acq On : 08 Aug 2023 11:26 am
Operator : K.Ruest
Sample : LCS-FP
Misc :
ALS Vial : 1 Sample Multiplier: 1

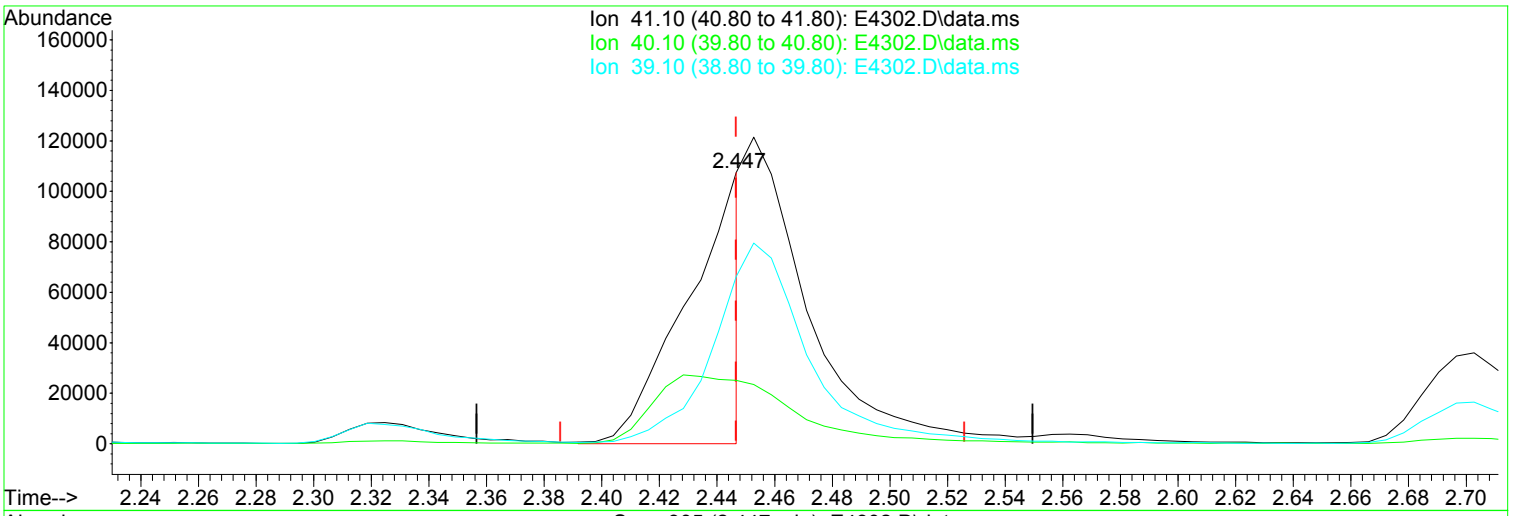
Quant Time: Aug 08 11:46:39 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration

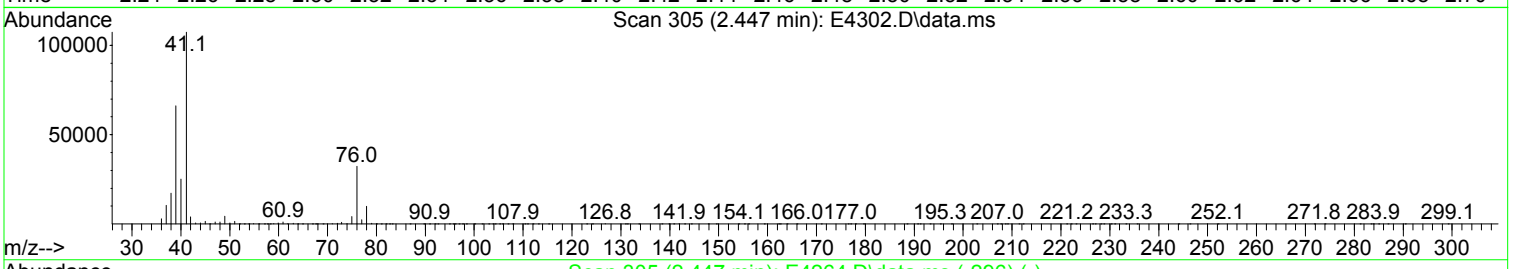
1st 08/08/23
2nd 08/09/23

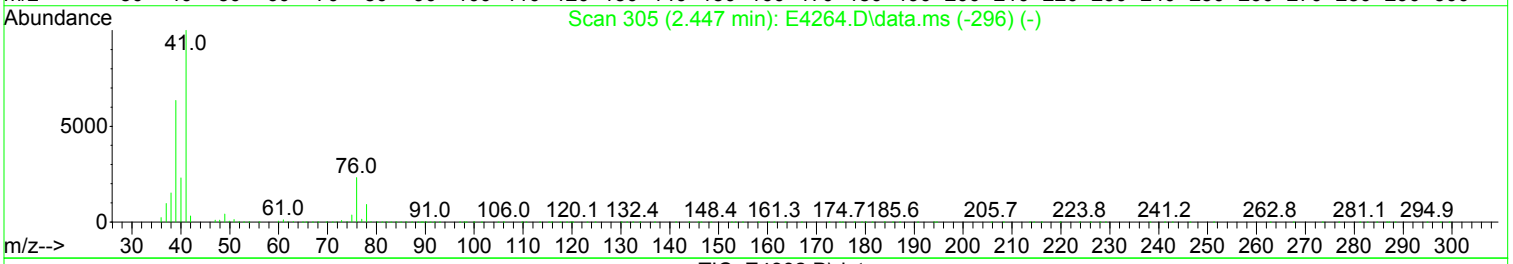
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080523\
Data File : E4302.D
Acq On : 05 Aug 2023 08:43 pm
Operator : K.Ruest
Sample : R2306651-005MS|1.0
Misc : STANTEC 8260 T4
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Aug 08 10:00:10 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration







TIC: E4302.D\data.ms

(20) Acetonitrile

2.447min (-0.000) 240.94 ug/L m

response 143997

Ion	Exp%	Act%
41.10	100.00	100.00
40.10	23.00	23.38
39.10	63.60	61.64
0.00	0.00	0.00

Manual Integration:

After

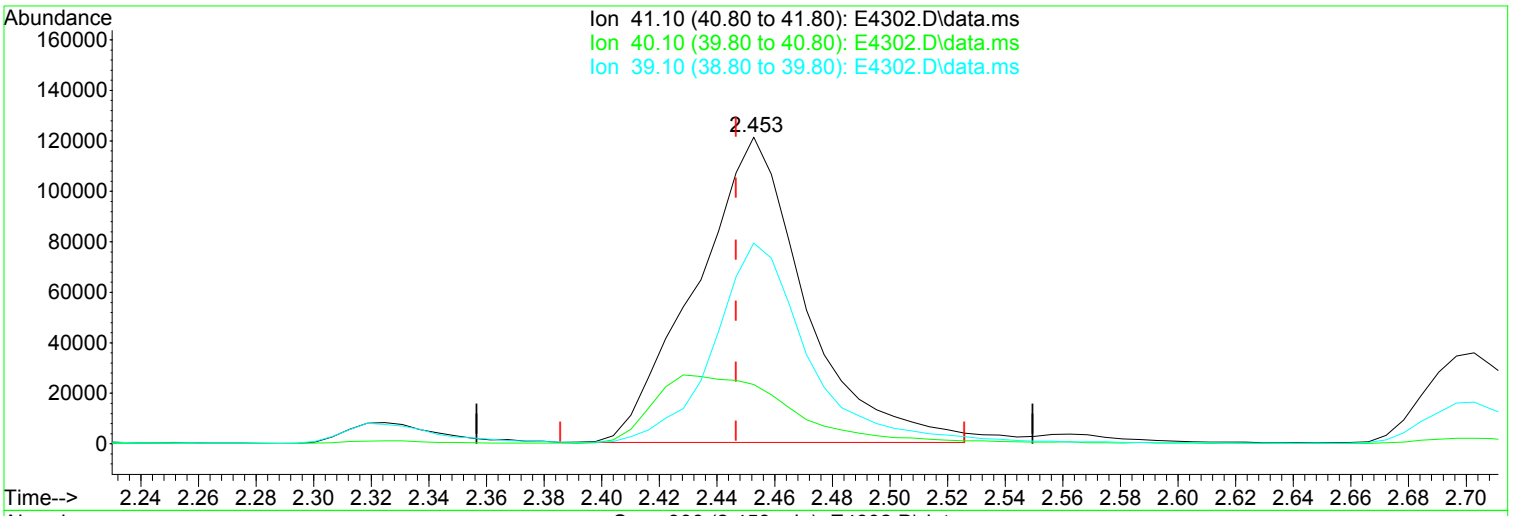
Poor integration.

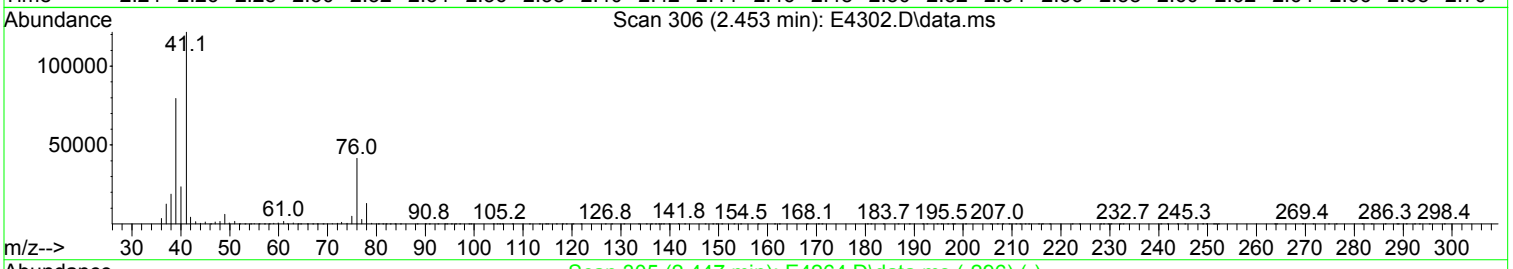
08/09/23

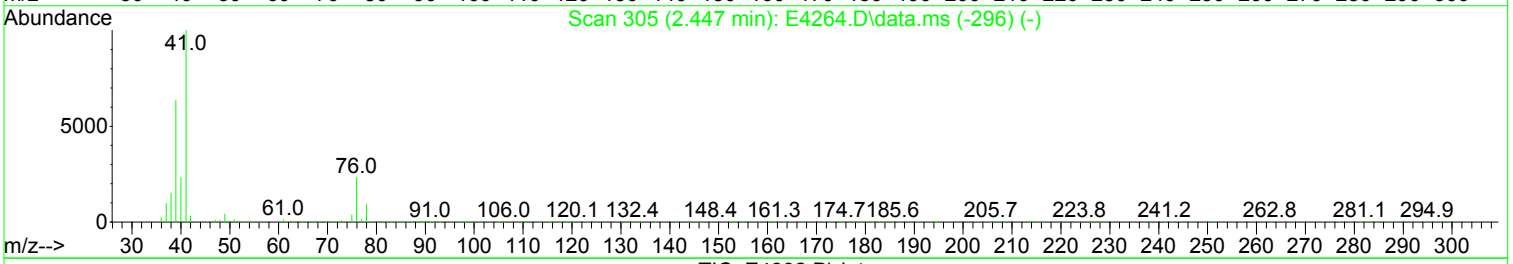
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080523\
Data File : E4302.D
Acq On : 05 Aug 2023 08:43 pm
Operator : K.Ruest
Sample : R2306651-005MS|1.0
Misc : STANTEC 8260 T4
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Aug 08 10:00:10 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration







TIC: E4302.D\data.ms

(20) Acetonitrile

2.453min (+ 0.006) 533.50 ug/L

response 318846

Ion	Exp%	Act%
41.10	100.00	100.00
40.10	23.00	19.35
39.10	63.60	65.43
0.00	0.00	0.00

Manual Integration:

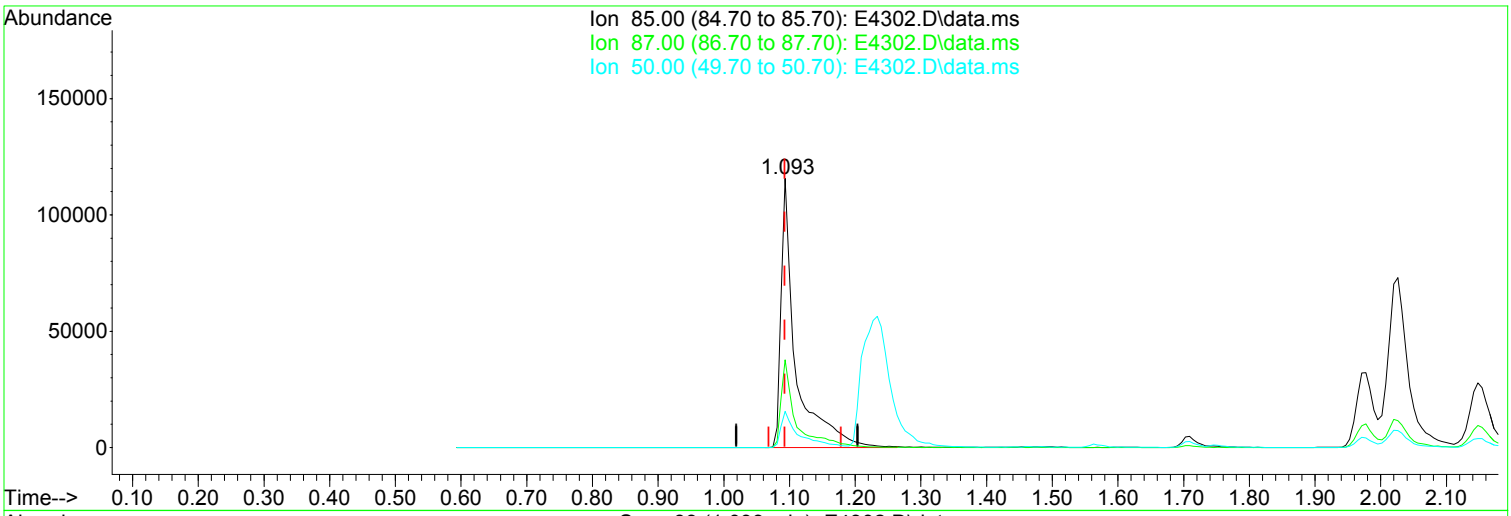
Before

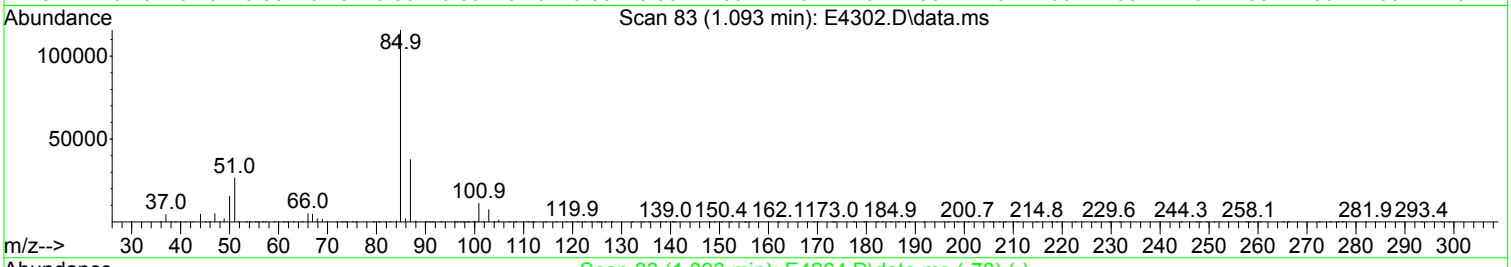
08/09/23

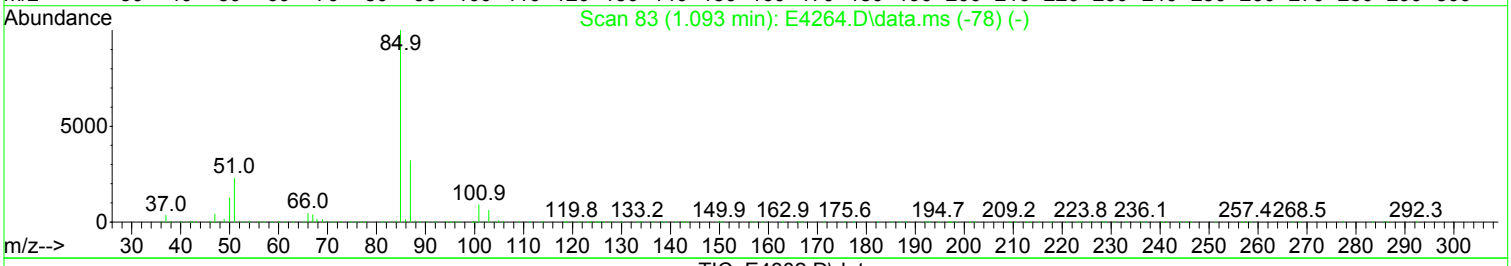
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080523\
Data File : E4302.D
Acq On : 05 Aug 2023 08:43 pm
Operator : K.Ruest
Sample : R2306651-005MS|1.0
Misc : STANTEC 8260 T4
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Aug 08 10:00:10 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration







TIC: E4302.D\data.ms

(3) Dichlorodifluoromethane (P)

1.093min (-0.000) 41.74 ug/L m

response 180494

Ion	Exp%	Act%
85.00	100.00	100.00
87.00	32.10	32.63
50.00	12.60	13.43
0.00	0.00	0.00

Manual Integration:

After

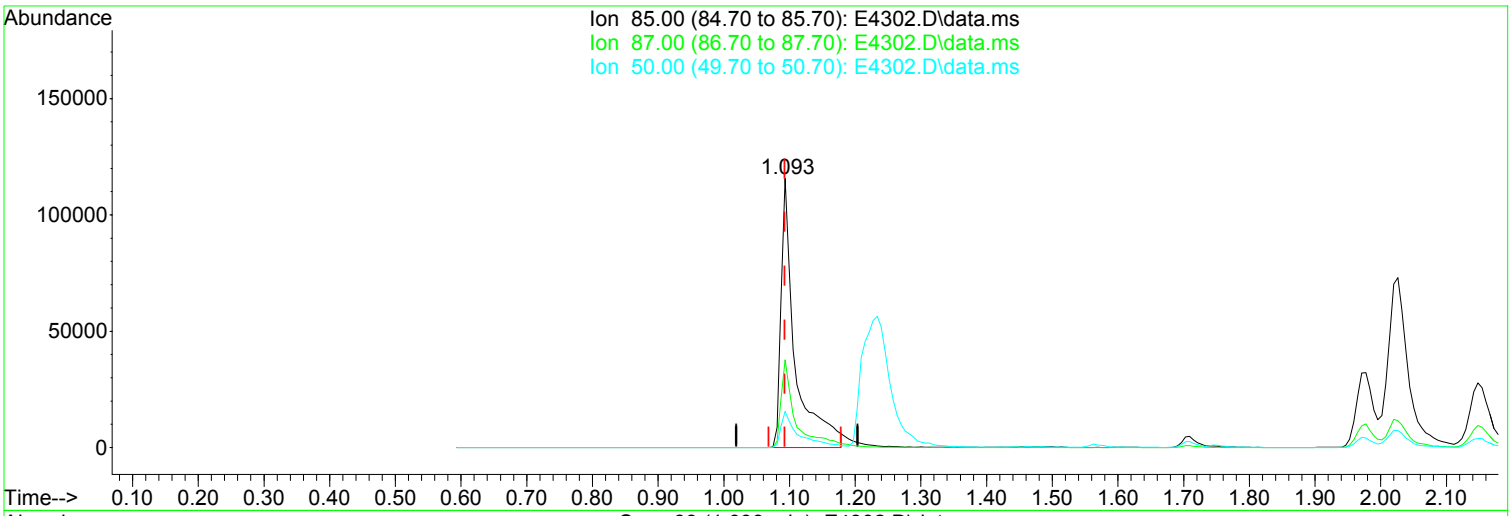
Poor integration.

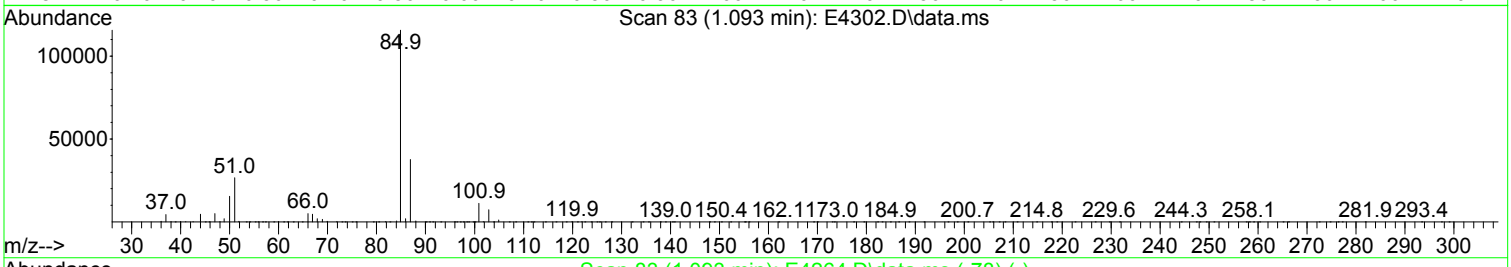
08/09/23

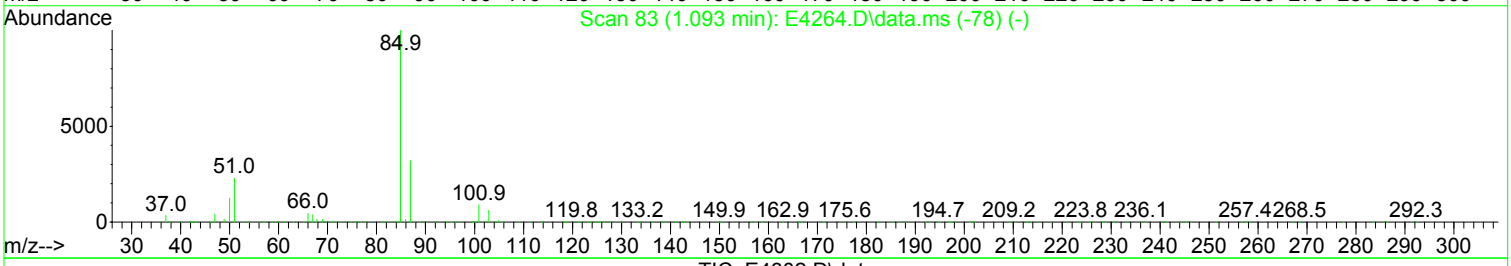
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080523\
Data File : E4302.D
Acq On : 05 Aug 2023 08:43 pm
Operator : K.Ruest
Sample : R2306651-005MS|1.0
Misc : STANTEC 8260 T4
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Aug 08 10:00:10 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration







TIC: E4302.D\data.ms

(3) Dichlorodifluoromethane (P)

1.093min (-0.000) 39.89 ug/L

response 172485

Ion	Exp%	Act%
85.00	100.00	100.00
87.00	32.10	32.63
50.00	12.60	13.43
0.00	0.00	0.00

Manual Integration:

Before

08/09/23

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\080523\
Data File : E4302.D
Acq On : 05 Aug 2023 08:43 pm
Operator : K.Ruest
Sample : R2306651-005MS|1.0
Misc : STANTEC 8260 T4
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Aug 08 10:00:10 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.086	168	376635	50.00	ug/L		0.00
43) 1,4-Difluorobenzene	6.245	114	539274	50.00	ug/L		0.00
71) d5-Chlorobenzene	9.622	117	499562	50.00	ug/L		0.00
91) 1,4-Dichlorobenzene-d4	11.683	152	276768	50.00	ug/L		0.00
System Monitoring Compounds							
45) surr4,Dibrflmethane	4.922	113	186145	52.20	ug/L		0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 104.40%				
48) surr1,1,2-dichloroetha...	5.501	65	207906	50.88	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 101.76%				
65) SURR3,Toluene-d8	8.104	98	680021	52.42	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 104.84%				
70) SURR2,BFB	10.707	95	251116	50.80	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 101.60%				
Target Compounds							Qvalue
2) Chlorodifluoromethane	1.099	51	149992	43.334	ug/L		98
3) Dichlorodifluoromethane	1.093	85	180494m	41.741	ug/L		
4) Chloromethane	1.233	50	166375	50.222	ug/L		96
5) Vinyl Chloride	1.282	62	180001	43.354	ug/L		99
6) Bromomethane	1.489	94	119924	41.932	ug/L		96
7) Chloroethane	1.569	64	126775	46.146	ug/L		95
8) Freon 21	1.709	67	222102	40.012	ug/L		98
9) Trichlorofluoromethane	1.752	101	264325	50.534	ug/L		99
10) Diethyl Ether	1.971	59	116466	45.236	ug/L		99
11) Freon 123a	1.971	67	142532	43.174	ug/L		91
12) Freon 123	2.026	83	223337	54.333	ug/L		99
13) Acrolein	2.063	56	56651	100.663	ug/L		98
14) 1,1-Diclethene	2.142	96	136920	47.934	ug/L		95
15) Freon 113	2.148	101	145612	46.507	ug/L		100
16) Acetone	2.197	43	61261	35.058	ug/L		100
17) 2-Propanol	2.325	45	254821	888.190	ug/L		99
18) Iodomethane	2.264	142	234438	53.254	ug/L		98
19) Carbon Disulfide	2.319	76	383198	45.167	ug/L		99
20) Acetonitrile	2.447	41	143997m	240.941	ug/L		
21) Allyl Chloride	2.453	76	83853	51.810	ug/L		95
22) Methyl Acetate	2.483	43	117004	29.584	ug/L		99
23) Methylene Chloride	2.562	84	143163	44.940	ug/L		98
24) TBA	2.703	59	486495	967.277	ug/L		99
25) Acrylonitrile	2.812	53	342656	231.991	ug/L		99
26) Methyl-t-Butyl Ether	2.849	73	474996	46.825	ug/L		100
27) trans-1,2-Dichloroethene	2.837	96	152341	47.031	ug/L		95
28) 1,1-Diclethane	3.306	63	251152	48.829	ug/L		99
29) Vinyl Acetate	3.398	86	32109	65.669	ug/L	#	74
30) DIPE	3.428	45	435796	46.865	ug/L		97
31) 2-Chloro-1,3-Butadiene	3.422	53	226984	46.299	ug/L		97
32) ETBE	3.922	59	411414	42.624	ug/L		96
33) 2,2-Dichloropropane	4.087	77	218668	43.360	ug/L		98
34) cis-1,2-Dichloroethene	4.093	96	168967	47.583	ug/L		97
35) 2-Butanone	4.154	43	82425	39.922	ug/L		98
36) Propionitrile	4.239	54	143476	232.714	ug/L		99
37) Bromochloromethane	4.465	130	116883	50.230	ug/L		96
38) Methacrylonitrile	4.489	67	77356	47.258	ug/L		100
39) Tetrahydrofuran	4.574	42	57840	46.256	ug/L		100
40) Chloroform	4.635	83	272197	46.692	ug/L		97

1st 08/09/23
2nd 08/09/23

Data Path : I:\ACQUDATA\MSVOA17\Data\080523\
Data File : E4302.D
Acq On : 05 Aug 2023 08:43 pm
Operator : K.Ruest
Sample : R2306651-005MS|1.0
Misc : STANTEC 8260 T4
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Aug 08 10:00:10 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) 1,1,1-Trichloroethane	4.922	97	261419	49.326	ug/L	100
42) TAME	5.842	73	446336	47.369	ug/L	99
44) Cyclohexane	5.001	41	124320	42.996	ug/L	94
46) Carbontetrachloride	5.214	117	237652	53.057	ug/L	99
47) 1,1-Dichloropropene	5.239	75	199780	48.751	ug/L	97
49) Benzene	5.580	78	582278	49.719	ug/L	99
50) 1,2-Dichloroethane	5.629	62	217563	47.493	ug/L	98
51) Iso-Butyl Alcohol	5.641	43	188347	971.644	ug/L	99
52) n-Heptane	6.098	43	171429	40.781	ug/L	95
53) 1-Butanol	6.647	56	301023	2462.935	ug/L	99
54) Trichloroethene	6.574	130	180027	49.580	ug/L	97
55) Methylcyclohexane	6.812	55	172464	42.753	ug/L	99
56) 1,2-Diclpropane	6.873	63	145529	47.895	ug/L	96
57) Dibromomethane	7.013	93	106016	47.510	ug/L	94
58) 1,4-Dioxane	7.098	88	55989	991.892	ug/L	98
59) Methyl Methacrylate	7.117	69	133159	48.251	ug/L	97
60) Bromodichloromethane	7.251	83	217300	46.367	ug/L	98
61) 2-Nitropropane	7.555	41	112541	94.523	ug/L	92
63) cis-1,3-Dichloropropene	7.812	75	259452	49.606	ug/L	100
64) 4-Methyl-2-pentanone	8.031	43	185475	47.827	ug/L	98
66) Toluene	8.177	91	661834	49.631	ug/L	100
67) trans-1,3-Dichloropropene	8.464	75	248093	51.276	ug/L	99
68) Ethyl Methacrylate	8.610	69	239432	49.592	ug/L	99
69) 1,1,2-Trichloroethane	8.653	97	155719	48.791	ug/L	98
72) Tetrachloroethene	8.775	164	149776	49.395	ug/L	97
73) 2-Hexanone	8.958	43	136350	45.704	ug/L	100
74) 1,3-Dichloropropane	8.824	76	254087	47.358	ug/L	98
75) Dibromochloromethane	9.049	129	192076	48.353	ug/L	98
76) N-Butyl Acetate	9.116	43	238799	40.217	ug/L	97
77) 1,2-Dibromoethane	9.147	107	168452	47.327	ug/L	99
78) 3-Chlorobenzotrifluoride	9.677	180	255021	46.297	ug/L	99
79) Chlorobenzene	9.647	112	453799	48.688	ug/L	100
80) 4-Chlorobenzotrifluoride	9.732	180	225798	45.547	ug/L	98
81) 1,1,1,2-Tetrachloroethane	9.738	131	178134	47.895	ug/L	99
82) Ethylbenzene	9.768	106	237008	48.831	ug/L	99
83) (m+p)Xylene	9.884	106	599737	98.915	ug/L	100
84) o-Xylene	10.244	106	291411	48.933	ug/L	96
85) Styrene	10.262	104	493901	48.930	ug/L	96
86) Bromoform	10.409	173	151531	50.192	ug/L	99
87) 2-Chlorobenzotrifluoride	10.494	180	251646	46.754	ug/L	98
88) Isopropylbenzene	10.579	105	743824	50.729	ug/L	99
89) Cyclohexanone	10.652	55	145131	195.874	ug/L	98
90) trans-1,4-Dichloro-2-B...	10.902	53	56336	39.021	ug/L	99
92) 1,1,2,2-Tetrachloroethane	10.854	83	219934	44.775	ug/L	97
93) Bromobenzene	10.823	156	210475	45.219	ug/L	98
94) 1,2,3-Trichloropropane	10.878	110	76037	44.740	ug/L	98
95) n-Propylbenzene	10.939	91	857717	46.710	ug/L	99
96) 2-Chlorotoluene	11.000	91	513587	46.173	ug/L	100
97) 3-Chlorotoluene	11.055	91	506145	44.443	ug/L	99
98) 4-Chlorotoluene	11.098	91	609470	44.970	ug/L	100
99) 1,3,5-Trimethylbenzene	11.098	105	650366	45.922	ug/L	97
100) tert-Butylbenzene	11.366	119	575190	47.770	ug/L	99
101) 1,2,4-Trimethylbenzene	11.408	105	633998	46.479	ug/L	99
102) 3,4-Dichlorobenzotrifl...	11.475	214	195997	42.740	ug/L	97
103) sec-Butylbenzene	11.549	105	808406	46.952	ug/L	98
104) p-Isopropyltoluene	11.671	119	712998	47.162	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\080523\
Data File : E4302.D
Acq On : 05 Aug 2023 08:43 pm
Operator : K.Ruest
Sample : R2306651-005MS|1.0
Misc : STANTEC 8260 T4
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Aug 08 10:00:10 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration

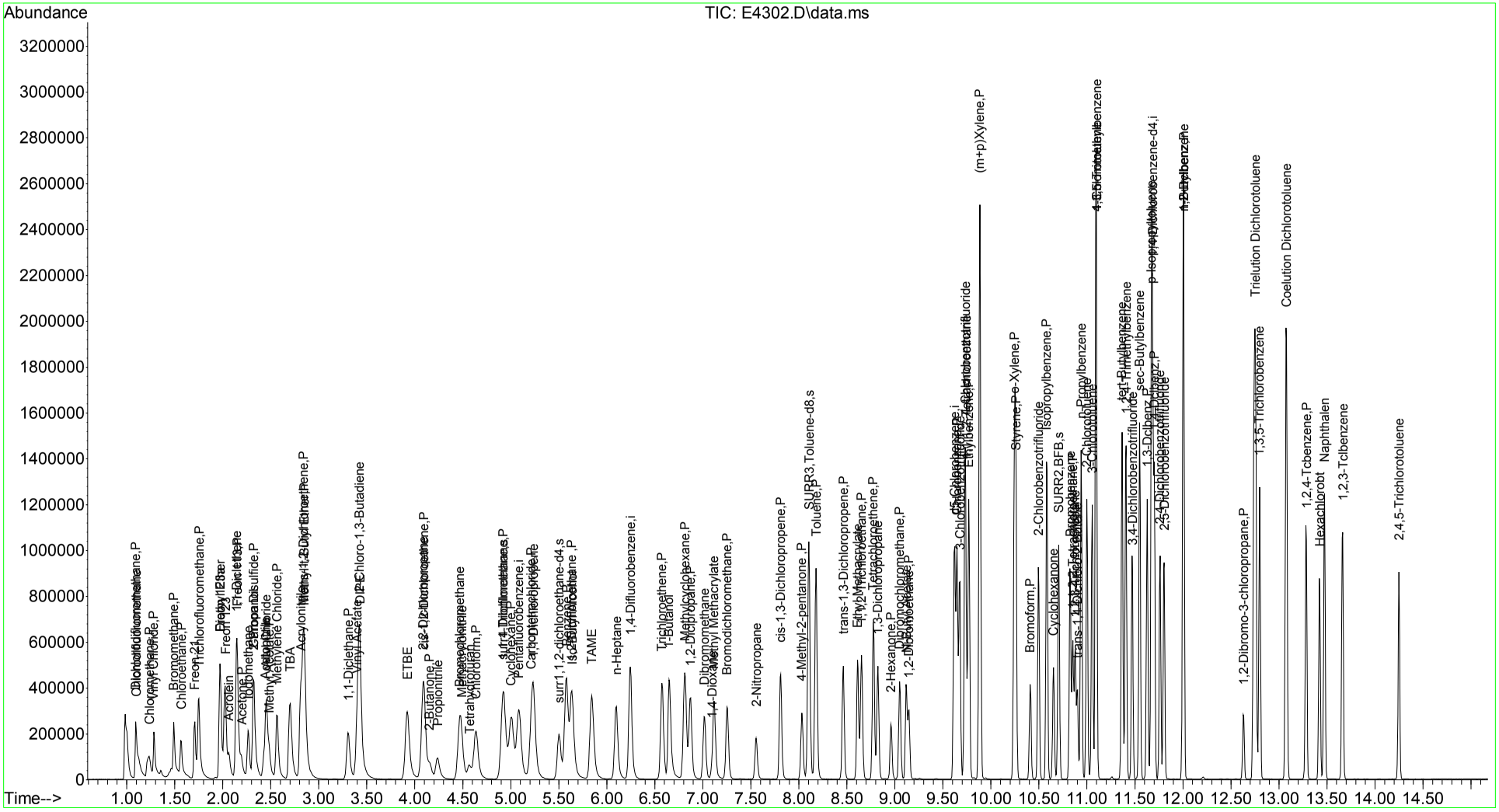
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
105) 1,3-Dclbenz	11.628	146	390809	46.308	ug/L	98
106) 1,4-Dclbenz	11.701	146	397115	45.976	ug/L	100
107) 2,4-Dichlorobenzotrifl...	11.762	214	181959	44.312	ug/L	99
108) 2,5-Dichlorobenzotrifl...	11.805	214	201394	44.270	ug/L	98
109) n-Butylbenzene	12.006	91	612067	47.116	ug/L	99
110) 1,2-Dclbenz	12.006	146	377509	45.672	ug/L	100
111) 1,2-Dibromo-3-chloropr...	12.634	157	64947	47.884	ug/L	98
112) Trielution Dichlorotol...	12.750	125	968593	137.203	ug/L	99
113) 1,3,5-Trichlorobenzene	12.798	180	280086	45.154	ug/L	98
114) Coelution Dichlorotoluene	13.079	125	692110	92.754	ug/L	94
115) 1,2,4-Tcbenzene	13.286	180	277810	44.414	ug/L	98
116) Hexachlorobt	13.420	225	129108	45.826	ug/L	99
117) Naphthalen	13.475	128	743969	47.959	ug/L	100
118) 1,2,3-Tclbenzene	13.664	180	271601	44.815	ug/L	97
119) 2,4,5-Trichlorotoluene	14.249	159	180871	45.805	ug/L	100

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\080523\
Data File : E4302.D
Acq On : 05 Aug 2023 08:43 pm
Operator : K.Ruest
Sample : R2306651-005MS|1.0
Misc : STANTEC 8260 T4
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Aug 08 10:00:10 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration

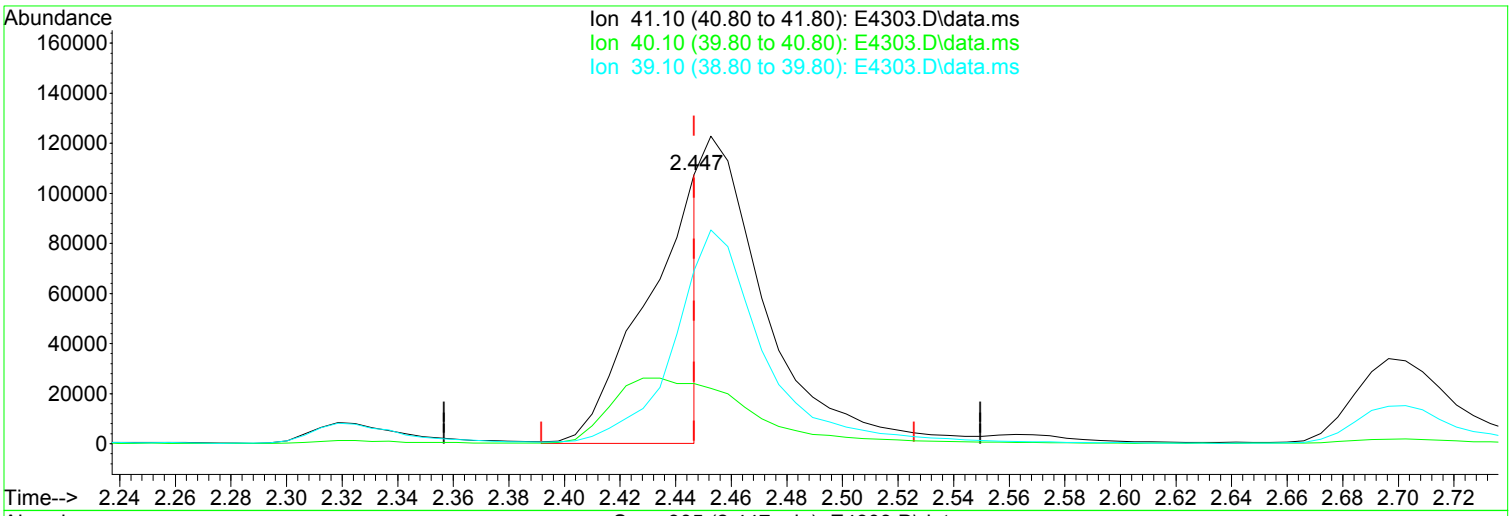


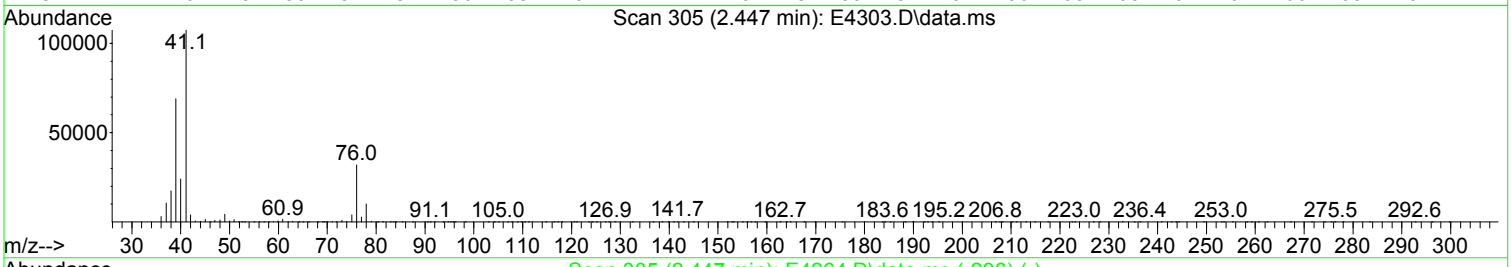
1st 08/09/23
2nd 08/09/23

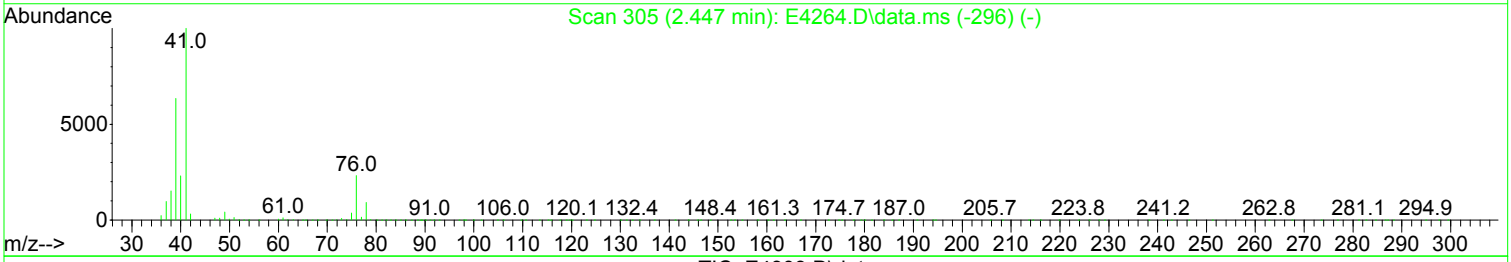
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080523\
Data File : E4303.D
Acq On : 05 Aug 2023 09:06 pm
Operator : K.Ruest
Sample : R2306651-005DMS|1.0
Misc : STANTEC 8260 T4
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Aug 08 10:00:31 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration







TIC: E4303.D\data.ms

(20) Acetonitrile

2.447min (-0.000) 243.10 ug/L m

response 145773

Ion	Exp%	Act%
41.10	100.00	100.00
40.10	23.00	22.40
39.10	63.60	64.20
0.00	0.00	0.00

Manual Integration:

After

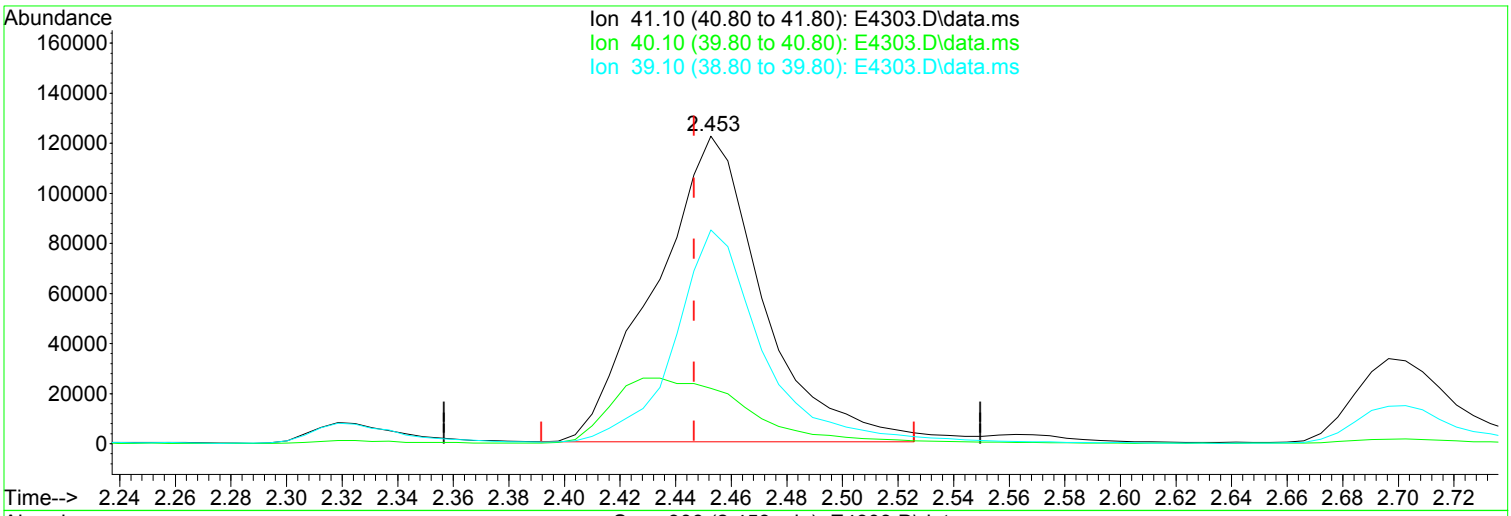
Poor integration.

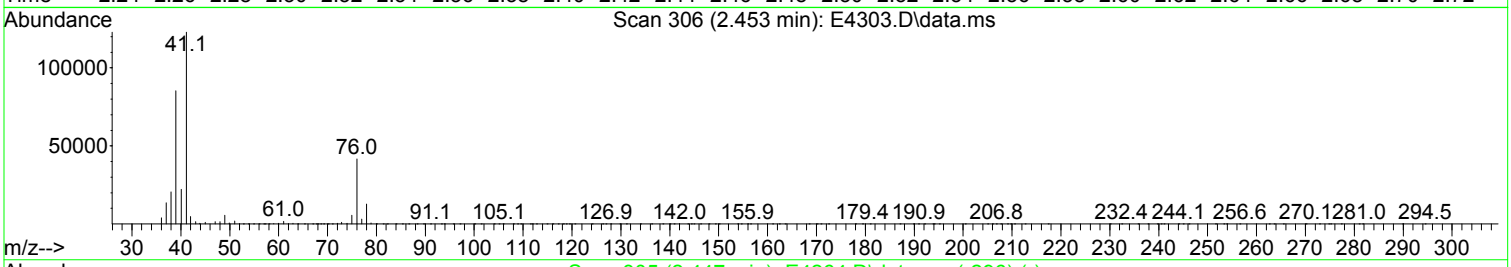
08/09/23

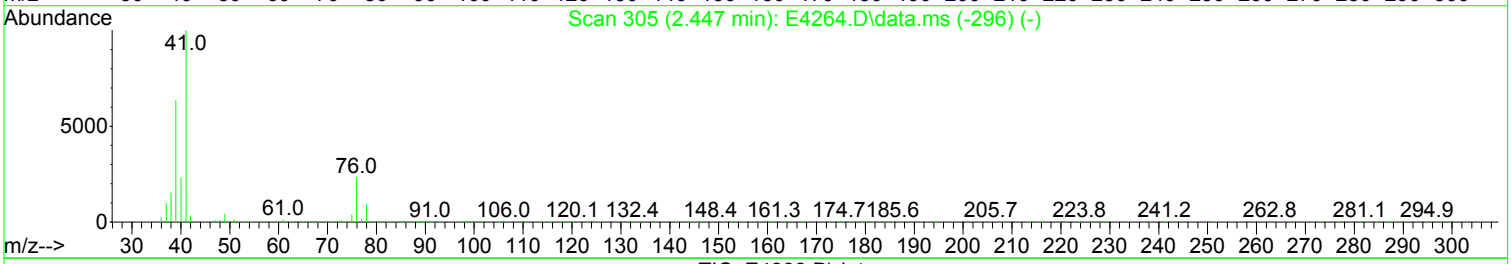
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080523\
Data File : E4303.D
Acq On : 05 Aug 2023 09:06 pm
Operator : K.Ruest
Sample : R2306651-005DMS|1.0
Misc : STANTEC 8260 T4
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Aug 08 10:00:31 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration







TIC: E4303.D\data.ms

(20) Acetonitrile

2.453min (+ 0.006) 544.84 ug/L

response 326715

Ion	Exp%	Act%
41.10	100.00	100.00
40.10	23.00	18.01
39.10	63.60	69.47
0.00	0.00	0.00

Manual Integration:

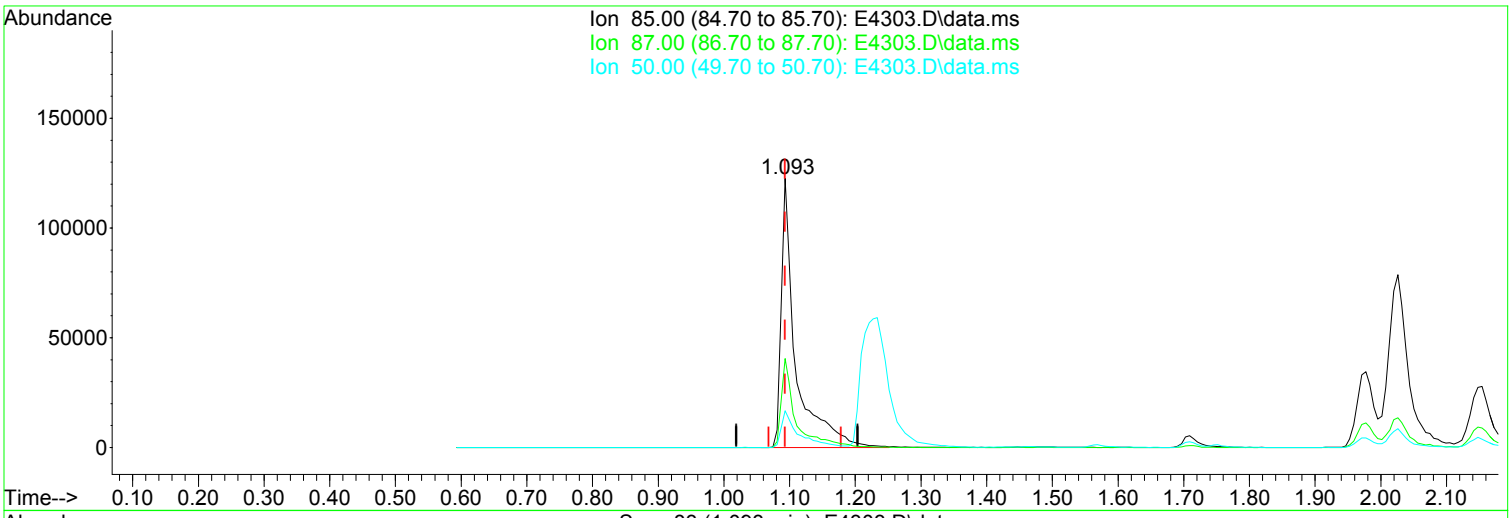
Before

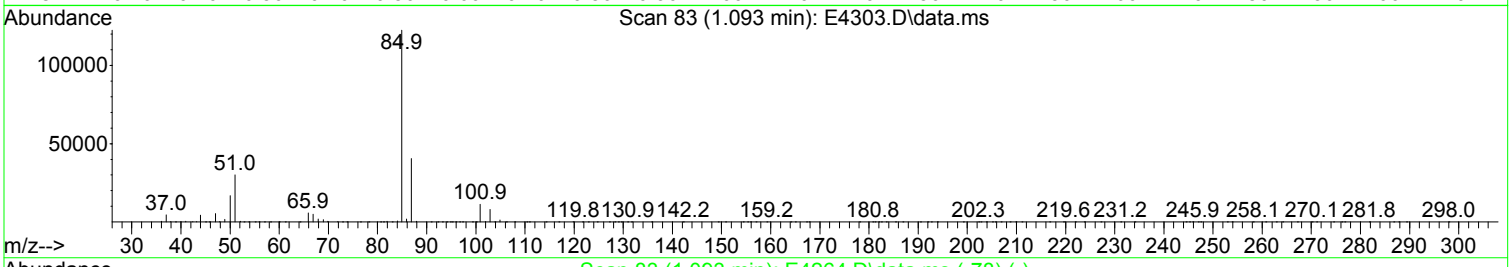
08/09/23

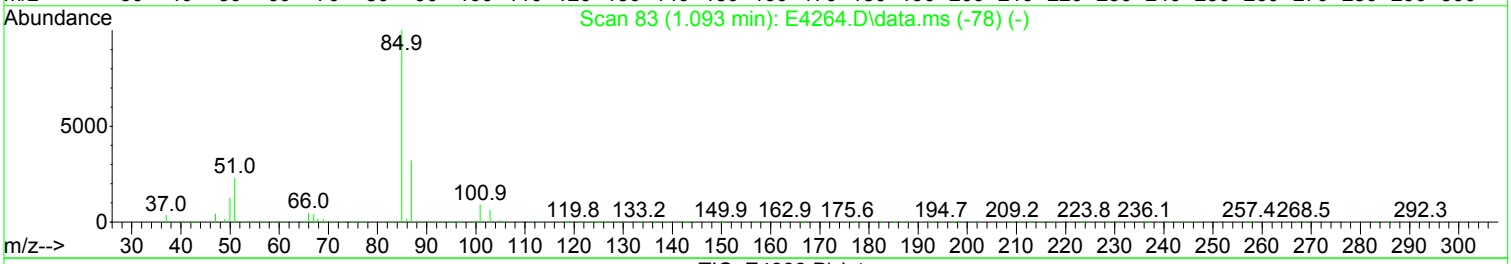
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080523\
Data File : E4303.D
Acq On : 05 Aug 2023 09:06 pm
Operator : K.Ruest
Sample : R2306651-005DMS|1.0
Misc : STANTEC 8260 T4
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Aug 08 10:00:31 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration







TIC: E4303.D\data.ms

(3) Dichlorodifluoromethane (P)

1.093min (-0.000) 43.51 ug/L m

response 188754

Ion	Exp%	Act%
85.00	100.00	100.00
87.00	32.10	33.07
50.00	12.60	13.64
0.00	0.00	0.00

Manual Integration:

After

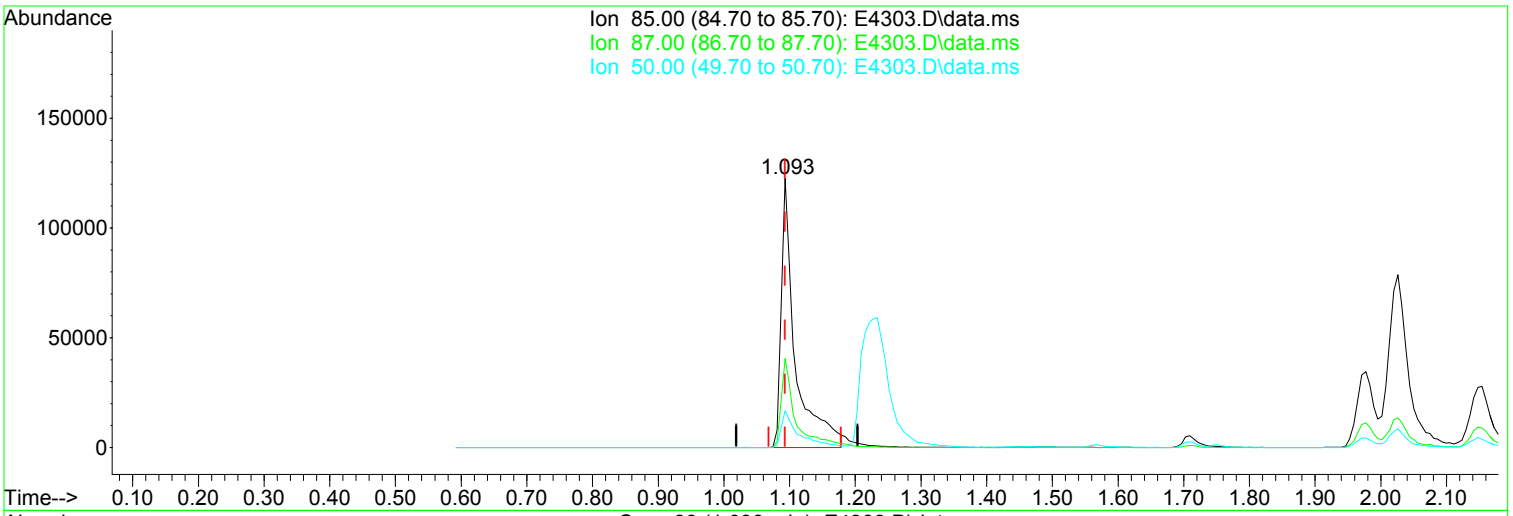
Poor integration.

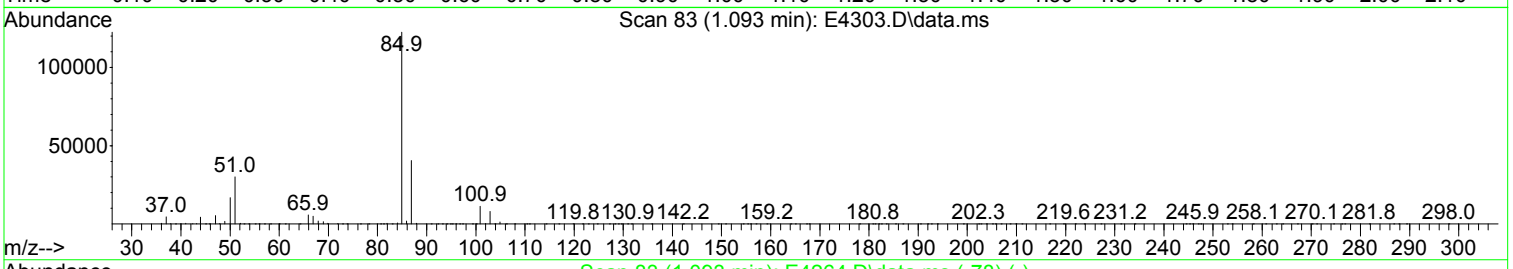
08/09/23

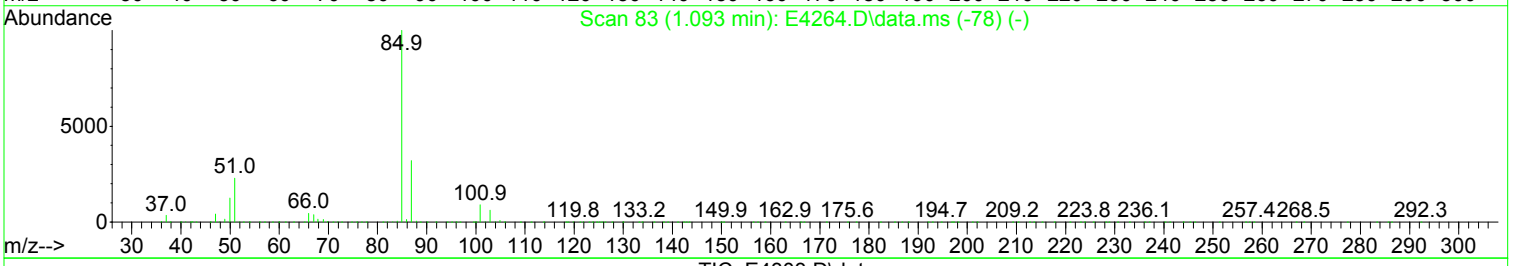
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080523\
Data File : E4303.D
Acq On : 05 Aug 2023 09:06 pm
Operator : K.Ruest
Sample : R2306651-005DMS|1.0
Misc : STANTEC 8260 T4
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Aug 08 10:00:31 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration







TIC: E4303.D\data.ms

(3) Dichlorodifluoromethane (P)

1.093min (-0.000) 41.86 ug/L

response 181607

Ion	Exp%	Act%
85.00	100.00	100.00
87.00	32.10	33.07
50.00	12.60	13.64
0.00	0.00	0.00

Manual Integration:

Before

08/09/23

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\080523\
Data File : E4303.D
Acq On : 05 Aug 2023 09:06 pm
Operator : K.Ruest
Sample : R2306651-005DMS|1.0
Misc : STANTEC 8260 T4
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Aug 08 10:00:31 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.086	168	377898	50.00	ug/L		0.00
43) 1,4-Difluorobenzene	6.245	114	541332	50.00	ug/L		0.00
71) d5-Chlorobenzene	9.616	117	496827	50.00	ug/L		0.00
91) 1,4-Dichlorobenzene-d4	11.683	152	272632	50.00	ug/L		0.00
System Monitoring Compounds							
45) surr4,Dibrflmethane	4.922	113	183415	51.24	ug/L		0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 102.48%				
48) surr1,1,2-dichloroetha...	5.501	65	203876	49.70	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 99.40%				
65) SURR3,Toluene-d8	8.104	98	665835	51.13	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 102.26%				
70) SURR2,BFB	10.707	95	250327	50.45	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 100.90%				
Target Compounds							Qvalue
2) Chlorodifluoromethane	1.099	51	161770	46.581	ug/L		97
3) Dichlorodifluoromethane	1.093	85	188754m	43.506	ug/L		
4) Chloromethane	1.233	50	169869	51.105	ug/L		95
5) Vinyl Chloride	1.282	62	187449	44.997	ug/L		100
6) Bromomethane	1.489	94	129994	45.301	ug/L		98
7) Chloroethane	1.569	64	125964	45.698	ug/L		97
8) Freon 21	1.709	67	236873	42.531	ug/L		99
9) Trichlorofluoromethane	1.752	101	271530	51.738	ug/L		100
10) Diethyl Ether	1.971	59	119561	46.283	ug/L		98
11) Freon 123a	1.977	67	152695	46.098	ug/L		97
12) Freon 123	2.026	83	239145	57.985	ug/L		99
13) Acrolein	2.069	56	56951	100.858	ug/L		98
14) 1,1-Diclethene	2.142	96	141248	49.284	ug/L		97
15) Freon 113	2.148	101	149059	47.449	ug/L		99
16) Acetone	2.197	43	59187	33.758	ug/L		100
17) 2-Propanol	2.318	45	256286	890.311	ug/L		97
18) Iodomethane	2.264	142	261240	59.144	ug/L		97
19) Carbon Disulfide	2.318	76	400516	47.051	ug/L		99
20) Acetonitrile	2.447	41	145773m	243.098	ug/L		
21) Allyl Chloride	2.453	76	84394	51.970	ug/L		99
22) Methyl Acetate	2.483	43	118921	29.969	ug/L		98
23) Methylene Chloride	2.568	84	151954	47.540	ug/L		97
24) TBA	2.696	59	461650	914.811	ug/L		99
25) Acrylonitrile	2.812	53	335924	226.673	ug/L		99
26) Methyl-t-Butyl Ether	2.849	73	486976	47.846	ug/L		99
27) trans-1,2-Dichloroethene	2.837	96	156044	48.013	ug/L		99
28) 1,1-Diclethane	3.306	63	266241	51.589	ug/L		99
29) Vinyl Acetate	3.398	86	32057	65.344	ug/L	#	75
30) DIPE	3.422	45	456028	48.877	ug/L		98
31) 2-Chloro-1,3-Butadiene	3.422	53	234190	47.609	ug/L		93
32) ETBE	3.922	59	428977	44.295	ug/L		96
33) 2,2-Dichloropropane	4.086	77	225694	44.604	ug/L		98
34) cis-1,2-Dichloroethene	4.093	96	174002	48.837	ug/L		98
35) 2-Butanone	4.154	43	82297	39.727	ug/L		99
36) Propionitrile	4.233	54	139560	225.606	ug/L		98
37) Bromochloromethane	4.464	130	119856	51.336	ug/L		96
38) Methacrylonitrile	4.489	67	78332	47.694	ug/L		99
39) Tetrahydrofuran	4.568	42	56183	44.780	ug/L		98
40) Chloroform	4.635	83	279992	47.868	ug/L		98

1st 08/09/23
2nd 08/09/23

Data Path : I:\ACQUDATA\MSVOA17\Data\080523\
Data File : E4303.D
Acq On : 05 Aug 2023 09:06 pm
Operator : K.Ruest
Sample : R2306651-005DMS|1.0
Misc : STANTEC 8260 T4
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Aug 08 10:00:31 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) 1,1,1-Trichloroethane	4.922	97	267506	50.306	ug/L	98
42) TAME	5.842	73	461632	48.829	ug/L	97
44) Cyclohexane	5.007	41	133143	45.872	ug/L	96
46) Carbontetrachloride	5.220	117	245580	54.619	ug/L	98
47) 1,1-Dichloropropene	5.239	75	204334	49.673	ug/L	98
49) Benzene	5.580	78	598214	50.886	ug/L	98
50) 1,2-Dichloroethane	5.629	62	223540	48.612	ug/L	99
51) Iso-Butyl Alcohol	5.641	43	179928	924.683	ug/L	97
52) n-Heptane	6.098	43	177076	41.964	ug/L	98
53) 1-Butanol	6.647	56	289056	2356.031	ug/L	97
54) Trichloroethene	6.574	130	183657	50.388	ug/L	98
55) Methylcyclohexane	6.812	55	184420	45.543	ug/L	96
56) 1,2-Diclpropane	6.873	63	151084	49.534	ug/L	98
57) Dibromomethane	7.013	93	108921	48.627	ug/L	96
58) 1,4-Dioxane	7.098	88	53424	942.853	ug/L	97
59) Methyl Methacrylate	7.116	69	133236	48.095	ug/L	98
60) Bromodichloromethane	7.251	83	223237	47.452	ug/L	98
61) 2-Nitropropane	7.555	41	108842	91.068	ug/L	98
63) cis-1,3-Dichloropropene	7.805	75	266172	50.698	ug/L	99
64) 4-Methyl-2-pentanone	8.031	43	183098	47.034	ug/L	98
66) Toluene	8.177	91	681627	50.921	ug/L	100
67) trans-1,3-Dichloropropene	8.464	75	252901	52.071	ug/L	99
68) Ethyl Methacrylate	8.610	69	239117	49.338	ug/L	100
69) 1,1,2-Trichloroethane	8.653	97	156612	48.884	ug/L	98
72) Tetrachloroethene	8.775	164	154078	51.094	ug/L	99
73) 2-Hexanone	8.958	43	133463	44.982	ug/L	99
74) 1,3-Dichloropropane	8.823	76	257787	48.312	ug/L	99
75) Dibromochloromethane	9.049	129	198046	50.130	ug/L	99
76) N-Butyl Acetate	9.116	43	241021	40.815	ug/L	98
77) 1,2-Dibromoethane	9.147	107	172176	48.639	ug/L	100
78) 3-Chlorobenzotrifluoride	9.677	180	267812	48.887	ug/L	99
79) Chlorobenzene	9.646	112	467187	50.400	ug/L	100
80) 4-Chlorobenzotrifluoride	9.732	180	234825	47.628	ug/L	99
81) 1,1,1,2-Tetrachloroethane	9.738	131	184715	49.938	ug/L	99
82) Ethylbenzene	9.768	106	245903	50.943	ug/L	98
83) (m+p)Xylene	9.884	106	618503	102.572	ug/L	98
84) o-Xylene	10.244	106	298107	50.333	ug/L	97
85) Styrene	10.256	104	515597	51.360	ug/L	99
86) Bromoform	10.409	173	152803	50.892	ug/L	99
87) 2-Chlorobenzotrifluoride	10.494	180	265625	49.623	ug/L	99
88) Isopropylbenzene	10.579	105	762136	52.264	ug/L	100
89) Cyclohexanone	10.652	55	138482	187.929	ug/L	100
90) trans-1,4-Dichloro-2-B...	10.902	53	57123	39.784	ug/L	98
92) 1,1,2,2-Tetrachloroethane	10.854	83	221808	45.842	ug/L	100
93) Bromobenzene	10.823	156	214923	46.875	ug/L	98
94) 1,2,3-Trichloropropane	10.878	110	75243	44.944	ug/L	96
95) n-Propylbenzene	10.939	91	884148	48.880	ug/L	99
96) 2-Chlorotoluene	11.000	91	532237	48.575	ug/L	99
97) 3-Chlorotoluene	11.055	91	533533	47.558	ug/L	99
98) 4-Chlorotoluene	11.091	91	632127	47.349	ug/L	96
99) 1,3,5-Trimethylbenzene	11.091	105	672390	48.198	ug/L	100
100) tert-Butylbenzene	11.366	119	593800	50.064	ug/L	99
101) 1,2,4-Trimethylbenzene	11.408	105	650155	48.387	ug/L	99
102) 3,4-Dichlorobenzotrifl...	11.469	214	207848	46.012	ug/L	99
103) sec-Butylbenzene	11.549	105	825195	48.654	ug/L	100
104) p-Isopropyltoluene	11.670	119	730432	49.048	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\080523\
Data File : E4303.D
Acq On : 05 Aug 2023 09:06 pm
Operator : K.Ruest
Sample : R2306651-005DMS|1.0
Misc : STANTEC 8260 T4
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Aug 08 10:00:31 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration

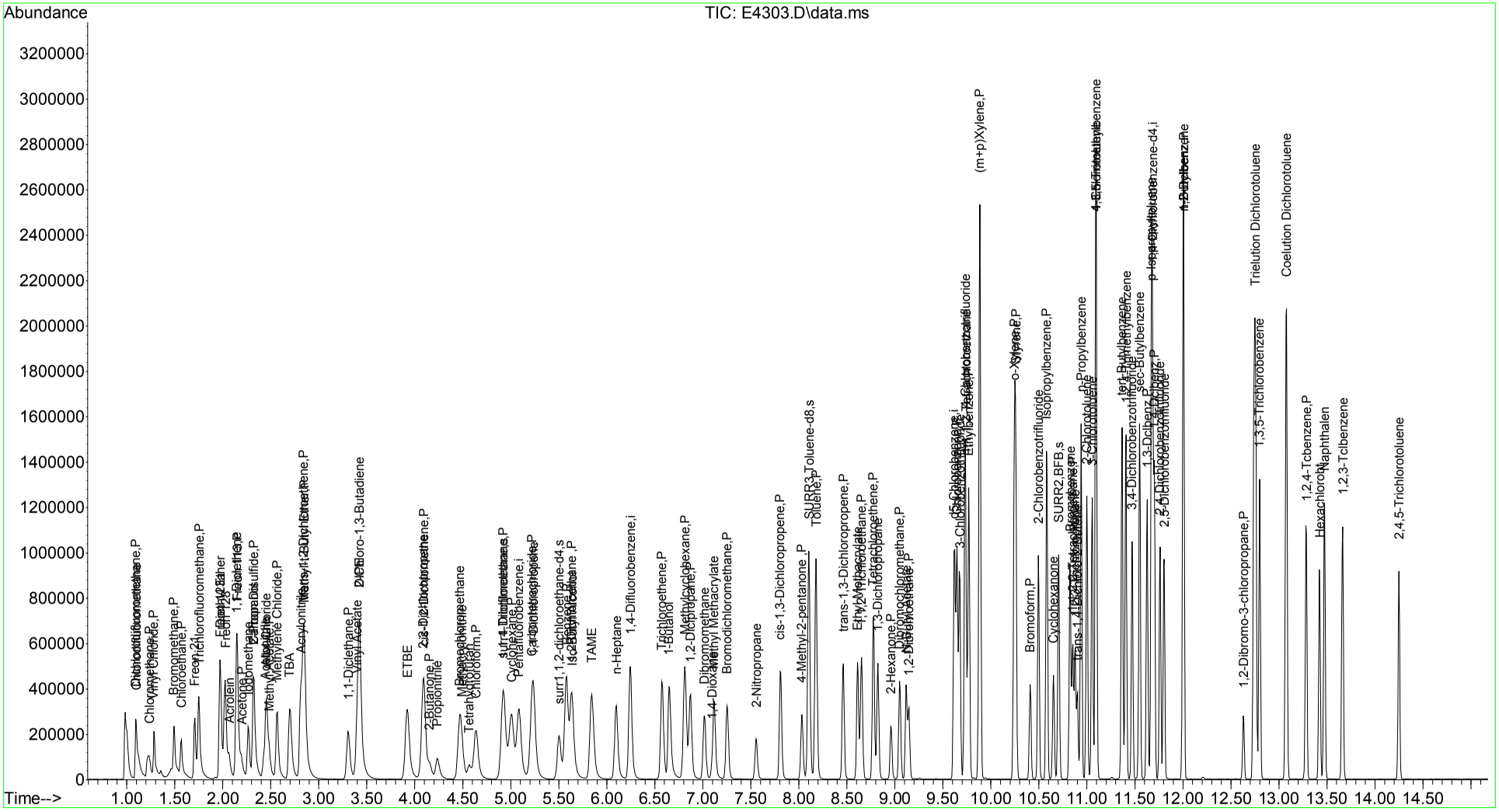
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
105) 1,3-Dclbenz	11.628	146	402828	48.456	ug/L	99
106) 1,4-Dclbenz	11.701	146	413121	48.554	ug/L	99
107) 2,4-Dichlorobenzotrifl...	11.762	214	191080	47.240	ug/L	98
108) 2,5-Dichlorobenzotrifl...	11.805	214	212942	47.519	ug/L	100
109) n-Butylbenzene	12.006	91	630964	49.307	ug/L	99
110) 1,2-Dclbenz	12.006	146	390508	47.962	ug/L	100
111) 1,2-Dibromo-3-chloropr...	12.634	157	64071	47.954	ug/L	97
112) Trielution Dichlorotol...	12.750	125	1005446	144.584	ug/L	98
113) 1,3,5-Trichlorobenzene	12.798	180	293578	48.047	ug/L	98
114) Coelution Dichlorotoluene	13.079	125	720559	98.032	ug/L	94
115) 1,2,4-Tcbenzene	13.286	180	289592	47.000	ug/L	96
116) Hexachlorobt	13.420	225	137437	49.522	ug/L	99
117) Naphthalen	13.475	128	748941	49.012	ug/L	100
118) 1,2,3-Tclbenzene	13.664	180	280590	47.001	ug/L	99
119) 2,4,5-Trichlorotoluene	14.249	159	189733	48.779	ug/L	99

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\080523\
Data File : E4303.D
Acq On : 05 Aug 2023 09:06 pm
Operator : K.Ruest
Sample : R2306651-005DMS|1.0
Misc : STANTEC 8260 T4
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Aug 08 10:00:31 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration

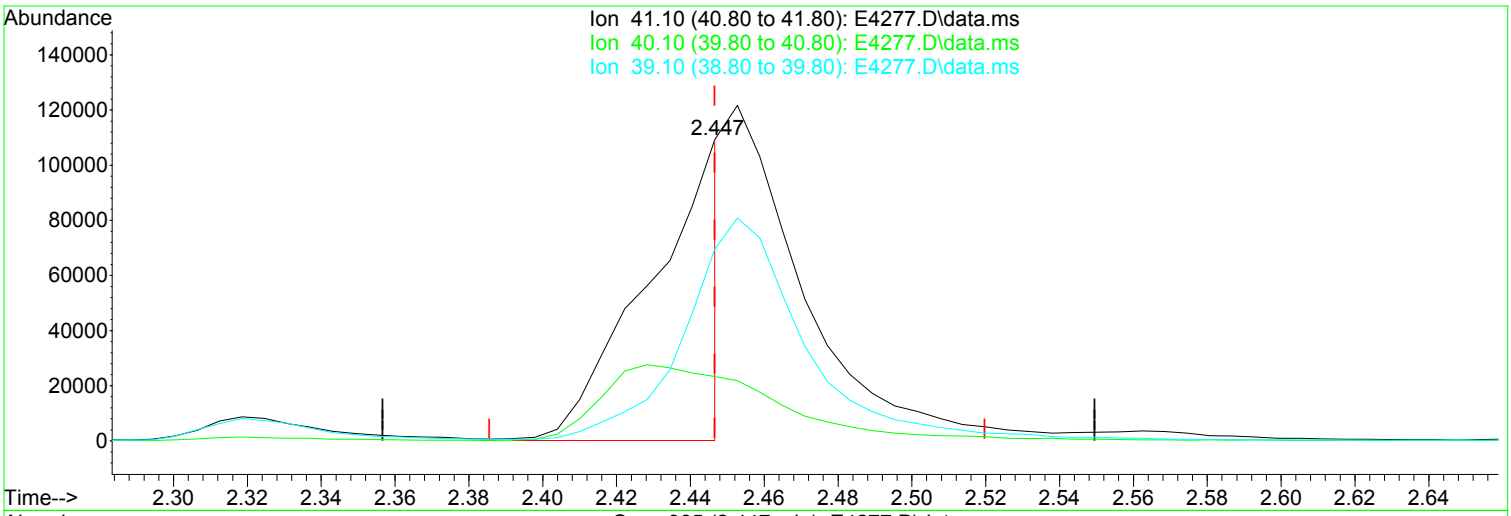


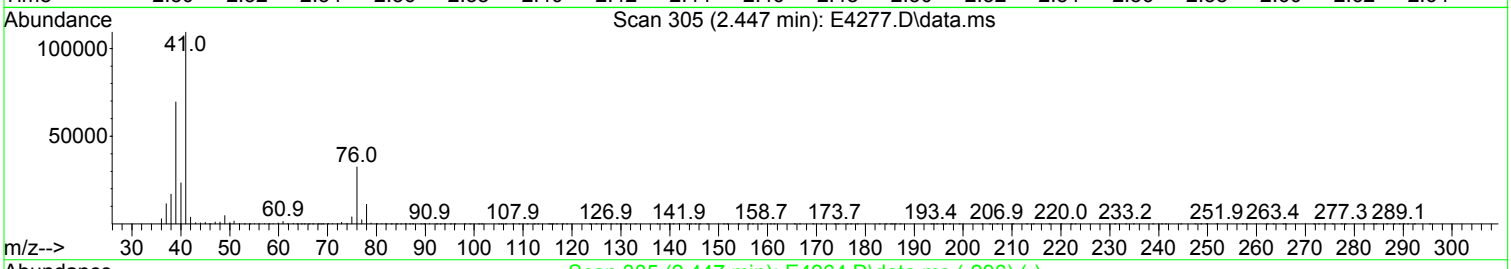
1st 08/09/23
2nd 08/09/23

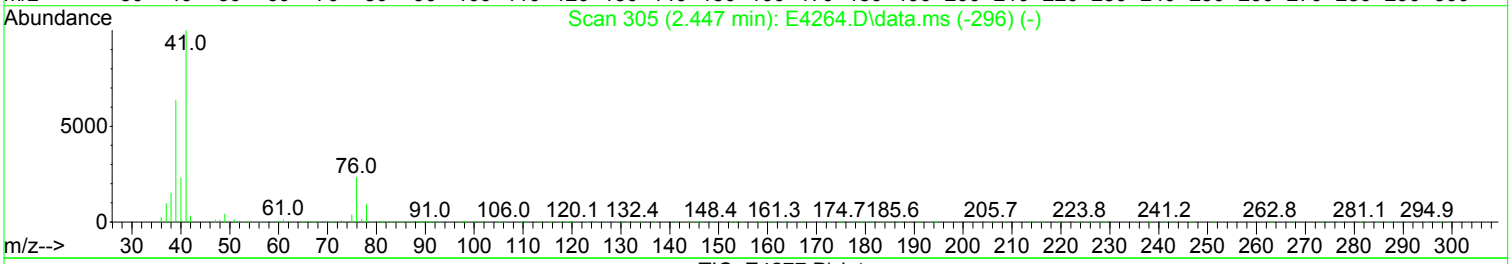
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080523\
Data File : E4277.D
Acq On : 05 Aug 2023 10:44 am
Operator : K.Ruest
Sample : CCV
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 05 12:15:58 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration







TIC: E4277.D\data.ms

(20) Acetonitrile

2.447min (-0.000) 242.77 ug/L m

response 151838

Ion	Exp%	Act%
41.10	100.00	100.00
40.10	23.00	21.33
39.10	63.60	63.62
0.00	0.00	0.00

Manual Integration:

After

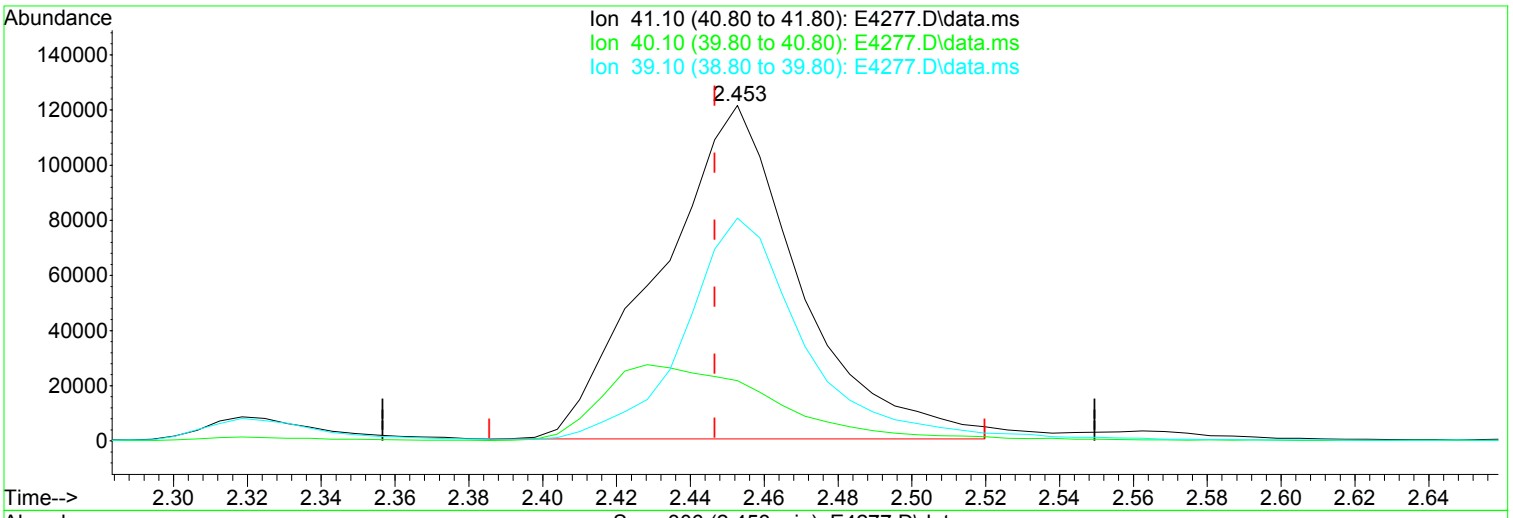
Poor integration.

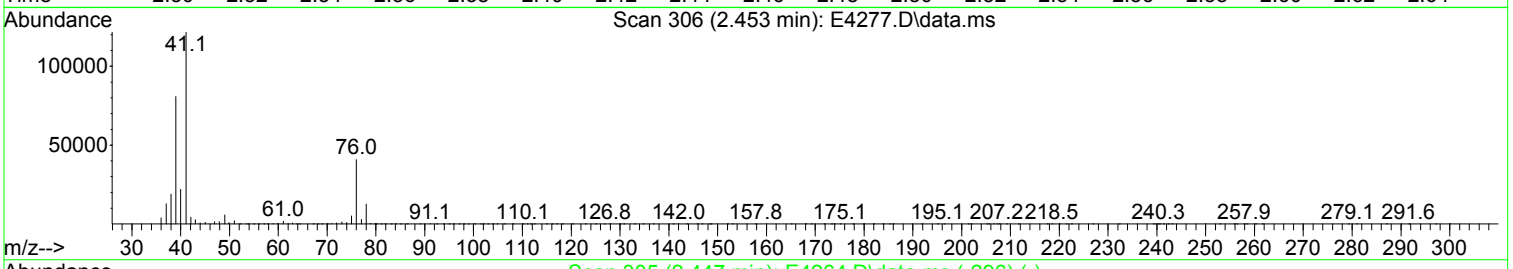
08/05/23

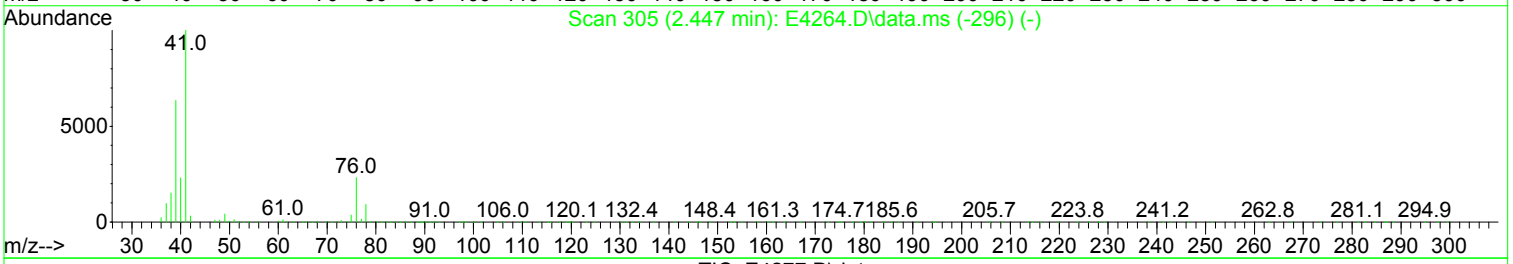
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080523\
Data File : E4277.D
Acq On : 05 Aug 2023 10:44 am
Operator : K.Ruest
Sample : CCV
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 05 12:15:58 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration







TIC: E4277.D\data.ms

(20) Acetonitrile

2.453min (+ 0.006) 510.15 ug/L

response 319069

Ion	Exp%	Act%
41.10	100.00	100.00
40.10	23.00	17.99
39.10	63.60	66.40
0.00	0.00	0.00

Manual Integration:

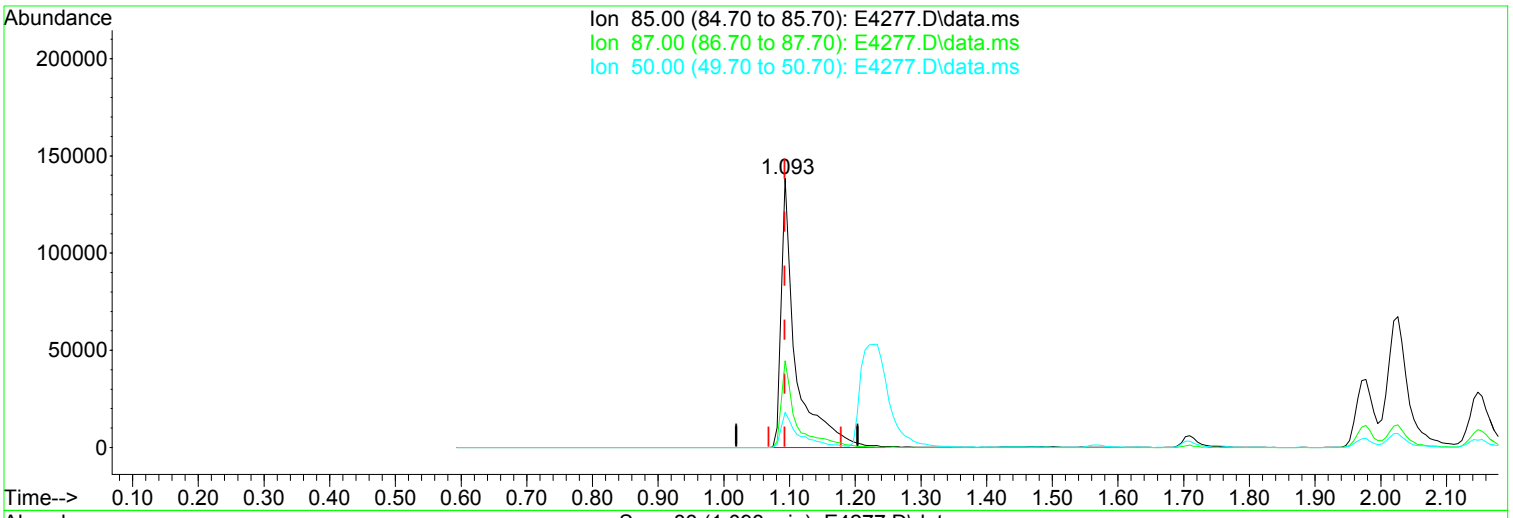
Before

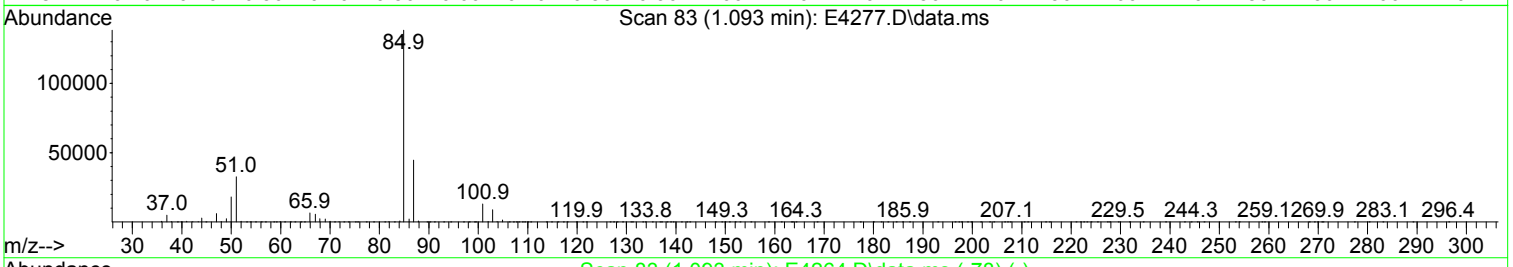
08/05/23

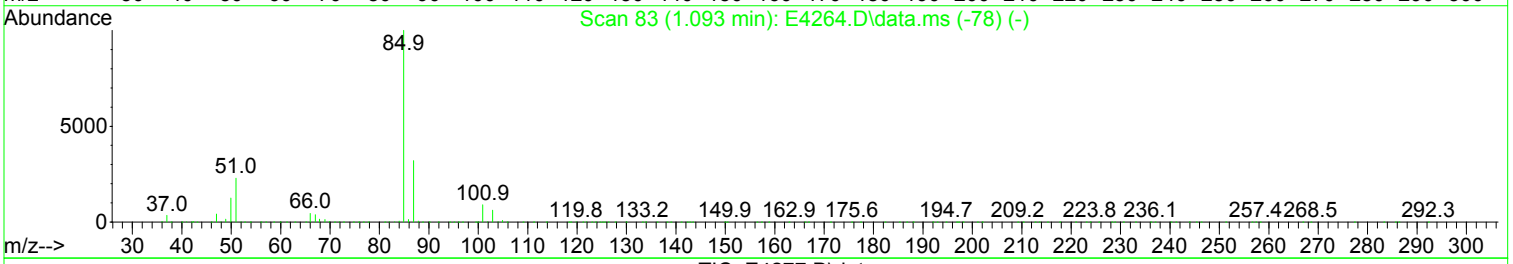
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080523\
Data File : E4277.D
Acq On : 05 Aug 2023 10:44 am
Operator : K.Ruest
Sample : CCV
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 05 12:15:58 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration







TIC: E4277.D\data.ms

(3) Dichlorodifluoromethane (P)

1.093min (-0.000) 47.35 ug/L m

response 214274

Ion	Exp%	Act%
85.00	100.00	100.00
87.00	32.10	32.25
50.00	12.60	13.08
0.00	0.00	0.00

Manual Integration:

After

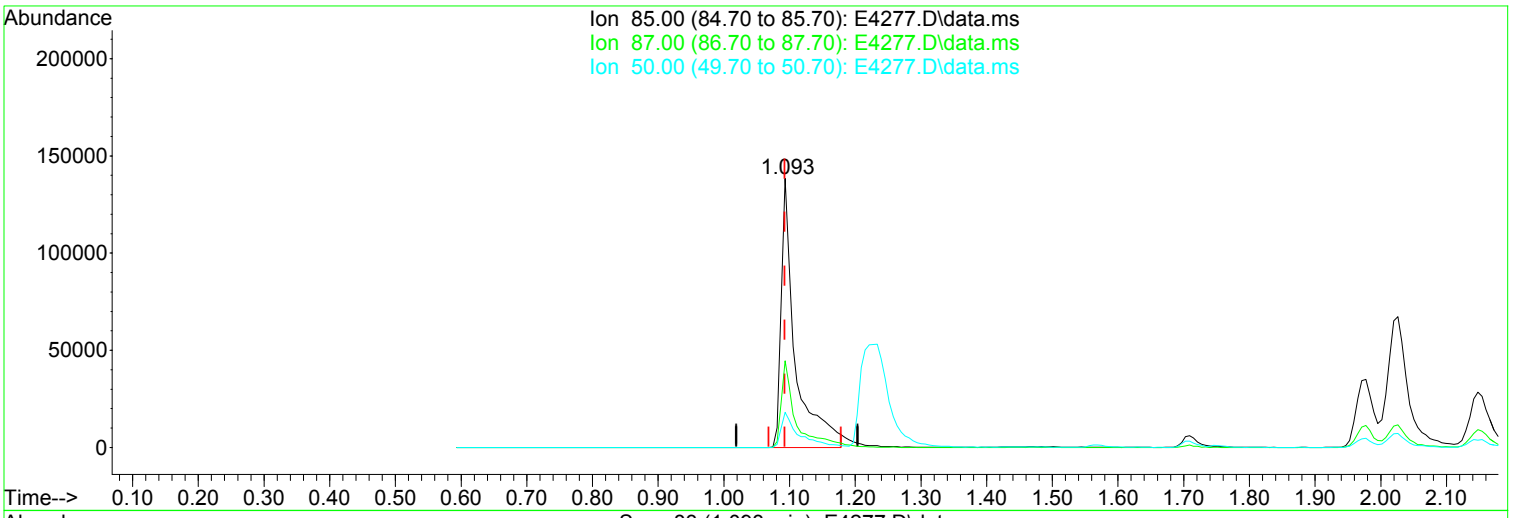
Poor integration.

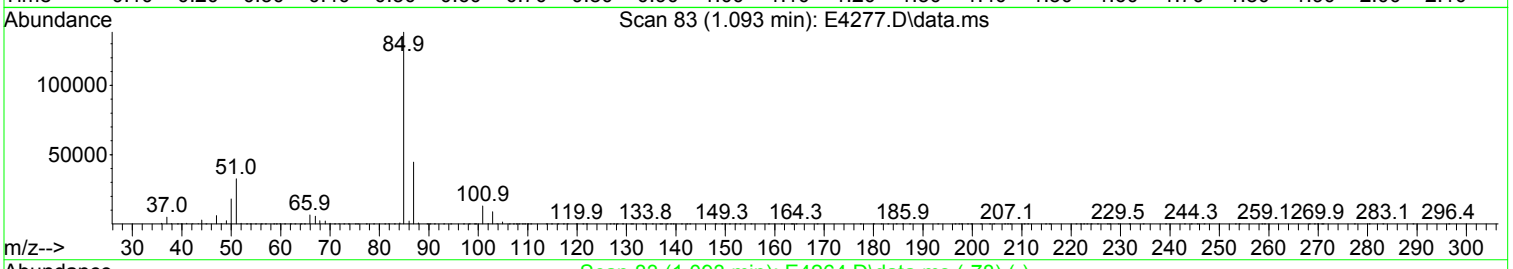
08/05/23

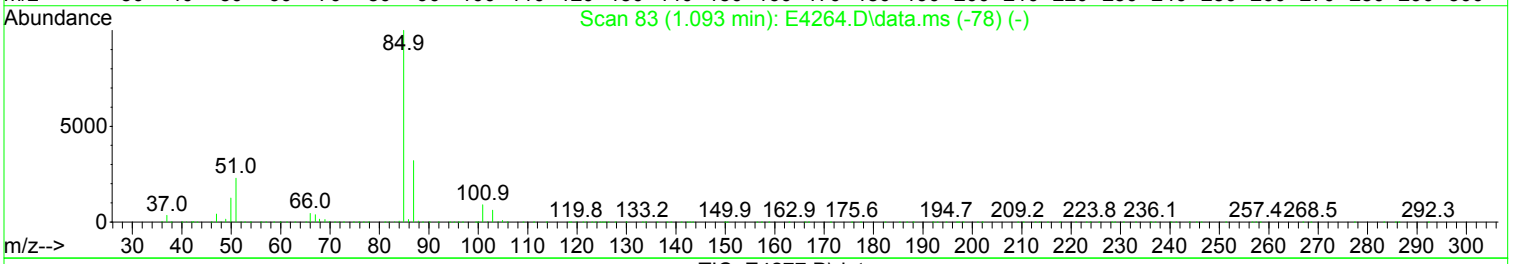
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080523\
Data File : E4277.D
Acq On : 05 Aug 2023 10:44 am
Operator : K.Ruest
Sample : CCV
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 05 12:15:58 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration







TIC: E4277.D\data.ms

(3) Dichlorodifluoromethane (P)

1.093min (-0.000) 45.63 ug/L

response 206493

Ion	Exp%	Act%
85.00	100.00	100.00
87.00	32.10	32.25
50.00	12.60	13.08
0.00	0.00	0.00

Manual Integration:

Before

08/05/23

1st 08/05/23
2nd 08/09/23

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\MSVOA17\Data\080523\
Data File : E4277.D
Acq On : 05 Aug 2023 10:44 am
Operator : K.Ruest
Sample : CCV
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 05 12:15:58 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	i	Pentafluorobenzene	50.000	50.000	0.0	104	0.00
2		Chlorodifluoromethane	50.000	46.504	7.0	110	0.00
3	P	Dichlorodifluoromethane	50.000	47.351	5.3	105	0.00
4	P	Chloromethane	50.000	45.300	9.4	104	0.00
5	P	Vinyl Chloride	50.000	45.350	9.3	103	0.00
6	P	Bromomethane	50.000	47.614	4.8	104	0.00
7	P	Chloroethane	50.000	45.094	9.8	104	0.00
8		Freon 21	50.000	46.784	6.4	109	0.00
9	P	Trichlorofluoromethane	50.000	46.111	7.8	103	0.00
10		Diethyl Ether	50.000	45.242	9.5	99	0.00
11		Freon 123a	50.000	44.063	11.9	110	0.00
12		Freon 123	50.000	48.215	3.6	113	0.00
13		Acrolein	250.000	220.799	11.7	99	0.00
14		1,1-Diclethene	50.000	44.524	11.0	104	0.00
15	P	Freon 113	50.000	44.457	11.1	102	0.00
16	P	Acetone	50.000	41.053	17.9	93	0.00
17		2-Propanol	1000.000	811.829	18.8	89	0.00
18		Iodomethane	50.000	49.036	1.9	96	0.00
19	P	Carbon Disulfide	50.000	45.274	9.5	97	0.00
20		Acetonitrile	250.000	242.767	2.9	106	0.00
21		Allyl Chloride	50.000	48.766	2.5	108	0.00
22	P	Methyl Acetate	50.000	42.362	15.3	94	0.00
23	P	Methylene Chloride	50.000	44.070	11.9	103	0.00
24		TBA	1000.000	811.515	18.8	90	0.00
25		Acrylonitrile	250.000	219.252	12.3	96	0.00
26	P	Methyl-t-Butyl Ether	50.000	45.360	9.3	101	0.00
27	P	trans-1,2-Dichloroethene	50.000	44.118	11.8	104	0.00
28	P	1,1-Diclethane	50.000	45.888	8.2	100	0.00
29		Vinyl Acetate	50.000	44.489	11.0	98	0.00
30		DIPE	50.000	45.494	9.0	100	0.00
31		2-Chloro-1,3-Butadiene	50.000	45.774	8.5	98	0.00
32		ETBE	50.000	44.820	10.4	99	0.00
33		2,2-Dichloropropane	50.000	46.094	7.8	104	0.00
34	P	cis-1,2-Dichloroethene	50.000	45.241	9.5	103	0.00
35	P	2-Butanone	50.000	41.946	16.1	91	0.00
36		Propionitrile	250.000	210.724	15.7	95	0.00
37		Bromochloromethane	50.000	46.752	6.5	103	0.00
38		Methacrylonitrile	50.000	44.549	10.9	95	0.00
39		Tetrahydrofuran	50.000	41.033	17.9	93	0.00
40	P	Chloroform	50.000	44.916	10.2	105	0.00
41	P	1,1,1-Trichloroethane	50.000	45.728	8.5	103	0.00
42		TAME	50.000	45.422	9.2	99	0.00
43	i	1,4-Difluorobenzene	50.000	50.000	0.0	103	0.00
44	P	Cyclohexane	50.000	47.221	5.6	110	0.00
45	s	surr4,Dibrflmethane	50.000	50.255	-0.5	102	0.00
46	P	Carbontetrachloride	50.000	47.560	4.9	102	0.00
47		1,1-Dichloropropene	50.000	45.269	9.5	103	0.00
48	s	surr1,1,2-dichloroethane-d4	50.000	49.830	0.3	101	0.00
49	P	Benzene	50.000	46.476	7.0	104	0.00
50	P	1,2-Dichloroethane	50.000	46.391	7.2	103	0.00
51		Iso-Butyl Alcohol	1000.000	851.997	14.8	93	0.00

1st 08/05/23
2nd 08/09/23

Data Path : I:\ACQUDATA\MSVOA17\Data\080523\
Data File : E4277.D
Acq On : 05 Aug 2023 10:44 am
Operator : K.Ruest
Sample : CCV
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 05 12:15:58 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
52		n-Heptane	50.000	42.889	14.2	103	0.00
53		1-Butanol	2500.000	2078.113	16.9	87	0.00
54	P	Trichloroethene	50.000	45.612	8.8	104	0.00
55	P	Methylcyclohexane	50.000	47.061	5.9	114	0.00
56	P	1,2-Diclpropane	50.000	45.871	8.3	103	0.00
57		Dibromomethane	50.000	46.439	7.1	102	0.00
58		1,4-Dioxane	1000.000	868.290	13.2	96	0.00
59		Methyl Methacrylate	50.000	44.059	11.9	98	0.00
60	P	Bromodichloromethane	50.000	45.628	8.7	103	0.00
61		2-Nitropropane	100.000	87.777	12.2	96	0.00
62		2-Chloroethylvinyl Ether	50.000	43.692	12.6	92	0.00
63	P	cis-1,3-Dichloropropene	50.000	46.532	6.9	104	0.00
64	P	4-Methyl-2-pentanone	50.000	42.487	15.0	93	0.00
65	s	SURR3,Toluene-d8	50.000	50.444	-0.9	104	0.00
66	P	Toluene	50.000	46.082	7.8	103	0.00
67	P	trans-1,3-Dichloropropene	50.000	48.014	4.0	103	0.00
68		Ethyl Methacrylate	50.000	46.733	6.5	100	0.00
69	P	1,1,2-Trichloroethane	50.000	46.572	6.9	103	0.00
70	s	SURR2,BFB	50.000	48.003	4.0	100	0.00
71	i	d5-Chlorobenzene	50.000	50.000	0.0	103	0.00
72	P	Tetrachloroethene	50.000	43.811	12.4	105	0.00
73	P	2-Hexanone	50.000	41.216	17.6	92	0.00
74		1,3-Dichloropropane	50.000	44.973	10.1	102	0.00
75	P	Dibromochloromethane	50.000	47.037	5.9	103	0.00
76		N-Butyl Acetate	50.000	43.427	13.1	95	0.00
77	P	1,2-Dibromoethane	50.000	45.806	8.4	103	0.00
78		3-Chlorobenzotrifluoride	50.000	46.156	7.7	105	0.00
79	P	Chlorobenzene	50.000	45.425	9.2	105	0.00
80		4-Chlorobenzotrifluoride	50.000	45.239	9.5	104	0.00
81		1,1,1,2-Tetrachloroethane	50.000	45.316	9.4	104	0.00
82	P	Ethylbenzene	50.000	44.322	11.4	102	0.00
83	P	(m+p)Xylene	100.000	88.910	11.1	103	0.00
84	P	o-Xylene	50.000	44.319	11.4	104	0.00
85	P	Styrene	50.000	45.392	9.2	103	0.00
86	P	Bromoform	50.000	47.100	5.8	102	0.00
87		2-Chlorobenzotrifluoride	50.000	45.420	9.2	102	0.00
88	P	Isopropylbenzene	50.000	44.296	11.4	103	0.00
89		Cyclohexanone	1000.000	804.825	19.5	91	0.00
90		trans-1,4-Dichloro-2-Butene	50.000	44.129	11.7	99	0.00
91	i	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	97	0.00
92	P	1,1,2,2-Tetrachloroethane	50.000	44.173	11.7	100	0.00
93		Bromobenzene	50.000	45.201	9.6	104	0.00
94		1,2,3-Trichloropropane	50.000	42.750	14.5	99	0.00
95		n-Propylbenzene	50.000	44.210	11.6	102	0.00
96		2-Chlorotoluene	50.000	44.787	10.4	105	0.00
97		3-Chlorotoluene	50.000	44.099	11.8	102	0.00
98		4-Chlorotoluene	50.000	43.537	12.9	102	0.00
99		1,3,5-Trimethylbenzene	50.000	43.850	12.3	102	0.00
100		tert-Butylbenzene	50.000	43.522	13.0	103	0.00
101		1,2,4-Trimethylbenzene	50.000	43.868	12.3	102	0.00

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\MSVOA17\Data\080523\
Data File : E4277.D
Acq On : 05 Aug 2023 10:44 am
Operator : K.Ruest
Sample : CCV
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 05 12:15:58 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
102		3,4-Dichlorobenzotrifluorid	50.000	46.899	6.2	106	0.00
103		sec-Butylbenzene	50.000	43.308	13.4	103	0.00
104		p-Isopropyltoluene	50.000	44.222	11.6	102	0.00
105	P	1,3-Dclbenz	50.000	44.321	11.4	104	0.00
106	P	1,4-Dclbenz	50.000	44.446	11.1	103	0.00
107		2,4-Dichlorobenzotrifluorid	50.000	46.222	7.6	103	0.00
108		2,5-Dichlorobenzotrifluorid	50.000	46.753	6.5	104	0.00
109		n-Butylbenzene	50.000	45.163	9.7	101	0.00
110	P	1,2-Dclbenz	50.000	45.632	8.7	104	0.00
111	P	1,2-Dibromo-3-chloropropane	50.000	44.710	10.6	97	0.00
112		Trielution Dichlorotoluene	150.000	138.239	7.8	102	0.00
113		1,3,5-Trichlorobenzene	50.000	46.273	7.5	102	0.00
114		Coelution Dichlorotoluene	100.000	93.162	6.8	101	0.00
115	P	1,2,4-Tcbenzene	50.000	46.695	6.6	104	0.00
116		Hexachlorobt	50.000	43.650	12.7	99	0.00
117		Naphthalen	50.000	46.679	6.6	99	0.00
118		1,2,3-Tclbenzene	50.000	47.565	4.9	103	0.00
119		2,4,5-Trichlorotoluene	50.000	49.913	0.2	105	0.00
120		2,3,6-Trichlorotoluene	50.000	50.401	-0.8	101	0.00

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

1st 08/05/23
2nd 08/09/23

Data Path : I:\ACQUDATA\MSVOA17\Data\080523\
Data File : E4277.D
Acq On : 05 Aug 2023 10:44 am
Operator : K.Ruest
Sample : CCV
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 05 12:15:58 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.080	168	394156	50.00	ug/L		0.00
43) 1,4-Difluorobenzene	6.245	114	566571	50.00	ug/L		0.00
71) d5-Chlorobenzene	9.616	117	528806	50.00	ug/L		0.00
91) 1,4-Dichlorobenzene-d4	11.683	152	285216	50.00	ug/L		0.00
System Monitoring Compounds							
45) surr4,Dibrflmethane	4.922	113	188293	50.26	ug/L		0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 100.52%				
48) surr1,1,2-dichloroetha...	5.501	65	213932	49.83	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 99.66%				
65) SURR3,Toluene-d8	8.104	98	687507	50.44	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 100.88%				
70) SURR2,BFB	10.707	95	249279	48.00	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 96.00%				
Target Compounds							Qvalue
2) Chlorodifluoromethane	1.099	51	168452	46.504	ug/L		99
3) Dichlorodifluoromethane	1.093	85	214274m	47.351	ug/L		
4) Chloromethane	1.233	50	157053	45.300	ug/L		95
5) Vinyl Chloride	1.282	62	197049	45.350	ug/L		98
6) Bromomethane	1.489	94	142510	47.614	ug/L		100
7) Chloroethane	1.569	64	129647	45.094	ug/L		97
8) Freon 21	1.709	67	271772	46.784	ug/L		99
9) Trichlorofluoromethane	1.752	101	252409	46.111	ug/L		99
10) Diethyl Ether	1.971	59	121898	45.242	ug/L		98
11) Freon 123a	1.971	67	152233	44.063	ug/L		97
12) Freon 123	2.026	83	207405	48.215	ug/L		100
13) Acrolein	2.063	56	130042	220.799	ug/L		97
14) 1,1-Diclethene	2.142	96	133098	44.524	ug/L		98
15) Freon 113	2.148	101	145670	44.457	ug/L		100
16) Acetone	2.191	43	75073	41.053	ug/L		98
17) 2-Propanol	2.319	45	243748	811.829	ug/L		98
18) Iodomethane	2.264	142	225909	49.036	ug/L		100
19) Carbon Disulfide	2.319	76	401977	45.274	ug/L		100
20) Acetonitrile	2.447	41	151838m	242.767	ug/L		
21) Allyl Chloride	2.453	76	82598	48.766	ug/L		97
22) Methyl Acetate	2.477	43	175333	42.362	ug/L		96
23) Methylene Chloride	2.562	84	146924	44.070	ug/L		99
24) TBA	2.697	59	427141	811.515	ug/L		100
25) Acrylonitrile	2.812	53	338905	219.252	ug/L		96
26) Methyl-t-Butyl Ether	2.849	73	481539	45.360	ug/L		99
27) trans-1,2-Dichloroethene	2.837	96	149553	44.118	ug/L		99
28) 1,1-Diclethane	3.306	63	247007	45.888	ug/L		99
29) Vinyl Acetate	3.398	86	22765	44.489	ug/L	#	96
30) DIPE	3.422	45	442732	45.494	ug/L		98
31) 2-Chloro-1,3-Butadiene	3.416	53	234848	45.774	ug/L		97
32) ETBE	3.916	59	452737	44.820	ug/L		98
33) 2,2-Dichloropropane	4.080	77	243268	46.094	ug/L		98
34) cis-1,2-Dichloroethene	4.093	96	168124	45.241	ug/L		100
35) 2-Butanone	4.154	43	90634	41.946	ug/L		98
36) Propionitrile	4.233	54	135962	210.724	ug/L		99
37) Bromochloromethane	4.465	130	113849	46.752	ug/L		99
38) Methacrylonitrile	4.483	67	76314	44.549	ug/L		93
39) Tetrahydrofuran	4.568	42	53696	41.033	ug/L		100
40) Chloroform	4.635	83	274027	44.916	ug/L		98

Data Path : I:\ACQUDATA\MSVOA17\Data\080523\
Data File : E4277.D
Acq On : 05 Aug 2023 10:44 am
Operator : K.Ruest
Sample : CCV
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 05 12:15:58 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) 1,1,1-Trichloroethane	4.916	97	253621	45.728	ug/L	98
42) TAME	5.842	73	447895	45.422	ug/L	99
44) Cyclohexane	5.007	41	143448	47.221	ug/L	96
46) Carbontetrachloride	5.214	117	223812	47.560	ug/L	98
47) 1,1-Dichloropropene	5.233	75	194903	45.269	ug/L	98
49) Benzene	5.574	78	571848	46.476	ug/L	99
50) 1,2-Dichloroethane	5.629	62	223274	46.391	ug/L	99
51) Iso-Butyl Alcohol	5.635	43	173514	851.997	ug/L	99
52) n-Heptane	6.098	43	189417	42.889	ug/L	98
53) 1-Butanol	6.647	56	266846	2078.113	ug/L	98
54) Trichloroethene	6.574	130	174000	45.612	ug/L	96
55) Methylcyclohexane	6.812	55	199455	47.061	ug/L	99
56) 1,2-Diclpropane	6.867	63	146435	45.871	ug/L	99
57) Dibromomethane	7.013	93	108870	46.439	ug/L	93
58) 1,4-Dioxane	7.098	88	51493	868.290	ug/L	98
59) Methyl Methacrylate	7.116	69	127746	44.059	ug/L	98
60) Bromodichloromethane	7.251	83	224664	45.628	ug/L	100
61) 2-Nitropropane	7.555	41	109800	87.777	ug/L	99
62) 2-Chloroethylvinyl Ether	7.677	63	89370	43.692	ug/L	99
63) cis-1,3-Dichloropropene	7.805	75	255692	46.532	ug/L	99
64) 4-Methyl-2-pentanone	8.031	43	173109	42.487	ug/L	98
66) Toluene	8.177	91	645611	46.082	ug/L	100
67) trans-1,3-Dichloropropene	8.464	75	244069	48.014	ug/L	99
68) Ethyl Methacrylate	8.610	69	237049	46.733	ug/L	99
69) 1,1,2-Trichloroethane	8.653	97	156159	46.572	ug/L	98
72) Tetrachloroethene	8.775	164	140620	43.811	ug/L	99
73) 2-Hexanone	8.958	43	130161	41.216	ug/L	100
74) 1,3-Dichloropropane	8.823	76	255418	44.973	ug/L	99
75) Dibromochloromethane	9.049	129	197786	47.037	ug/L	99
76) N-Butyl Acetate	9.116	43	272954	43.427	ug/L	98
77) 1,2-Dibromoethane	9.141	107	172582	45.806	ug/L	99
78) 3-Chlorobenzotrifluoride	9.677	180	269130	46.156	ug/L	100
79) Chlorobenzene	9.647	112	448166	45.425	ug/L	99
80) 4-Chlorobenzotrifluoride	9.732	180	237401	45.239	ug/L	99
81) 1,1,1,2-Tetrachloroethane	9.738	131	178407	45.316	ug/L	99
82) Ethylbenzene	9.768	106	227716	44.322	ug/L	95
83) (m+p)Xylene	9.884	106	570635	88.910	ug/L	98
84) o-Xylene	10.244	106	279378	44.319	ug/L	99
85) Styrene	10.256	104	485016	45.392	ug/L	99
86) Bromoform	10.409	173	150521	47.100	ug/L	100
87) 2-Chlorobenzotrifluoride	10.494	180	258777	45.420	ug/L	99
88) Isopropylbenzene	10.579	105	687516	44.296	ug/L	98
89) Cyclohexanone	10.652	55	631237	804.825	ug/L	98
90) trans-1,4-Dichloro-2-B...	10.896	53	67440	44.129	ug/L	90
92) 1,1,2,2-Tetrachloroethane	10.854	83	223599	44.173	ug/L	100
93) Bromobenzene	10.823	156	216814	45.201	ug/L	97
94) 1,2,3-Trichloropropane	10.878	110	74873	42.750	ug/L	96
95) n-Propylbenzene	10.939	91	836595	44.210	ug/L	100
96) 2-Chlorotoluene	11.000	91	513375	44.787	ug/L	100
97) 3-Chlorotoluene	11.055	91	517557	44.099	ug/L	99
98) 4-Chlorotoluene	11.091	91	608070	43.537	ug/L	96
99) 1,3,5-Trimethylbenzene	11.097	105	639980	43.850	ug/L	98
100) tert-Butylbenzene	11.366	119	540034	43.522	ug/L	99
101) 1,2,4-Trimethylbenzene	11.408	105	616644	43.868	ug/L	99
102) 3,4-Dichlorobenzotrifl...	11.469	214	221631	46.899	ug/L	100
103) sec-Butylbenzene	11.549	105	768417	43.308	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\080523\
Data File : E4277.D
Acq On : 05 Aug 2023 10:44 am
Operator : K.Ruest
Sample : CCV
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 05 12:15:58 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) p-Isopropyltoluene	11.671	119	688967	44.222	ug/L	100
105) 1,3-Dclbenz	11.628	146	385460	44.321	ug/L	97
106) 1,4-Dclbenz	11.701	146	395622	44.446	ug/L	99
107) 2,4-Dichlorobenzotrifl...	11.762	214	195593	46.222	ug/L	99
108) 2,5-Dichlorobenzotrifl...	11.805	214	219181	46.753	ug/L	99
109) n-Butylbenzene	12.006	91	604609	45.163	ug/L	98
110) 1,2-Dclbenz	12.006	146	388686	45.632	ug/L	99
111) 1,2-Dibromo-3-chloropr...	12.634	157	62494	44.710	ug/L	98
112) Trielution Dichlorotol...	12.750	125	1005696	138.239	ug/L	99
113) 1,3,5-Trichlorobenzene	12.798	180	295789	46.273	ug/L	97
114) Coelution Dichlorotoluene	13.079	125	716369	93.162	ug/L	93
115) 1,2,4-Tcbenzene	13.286	180	300993	46.695	ug/L	99
116) Hexachlorobt	13.426	225	126732	43.650	ug/L	97
117) Naphthalen	13.475	128	746219	46.679	ug/L	100
118) 1,2,3-Tclbenzene	13.664	180	297069	47.565	ug/L	98
119) 2,4,5-Trichlorotoluene	14.249	159	203106	49.913	ug/L	97
120) 2,3,6-Trichlorotoluene	14.335	159	191613	50.401	ug/L	100

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\080523\
Data File : E4277.D
Acq On : 05 Aug 2023 10:44 am
Operator : K.Ruest
Sample : CCV
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 05 12:15:58 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
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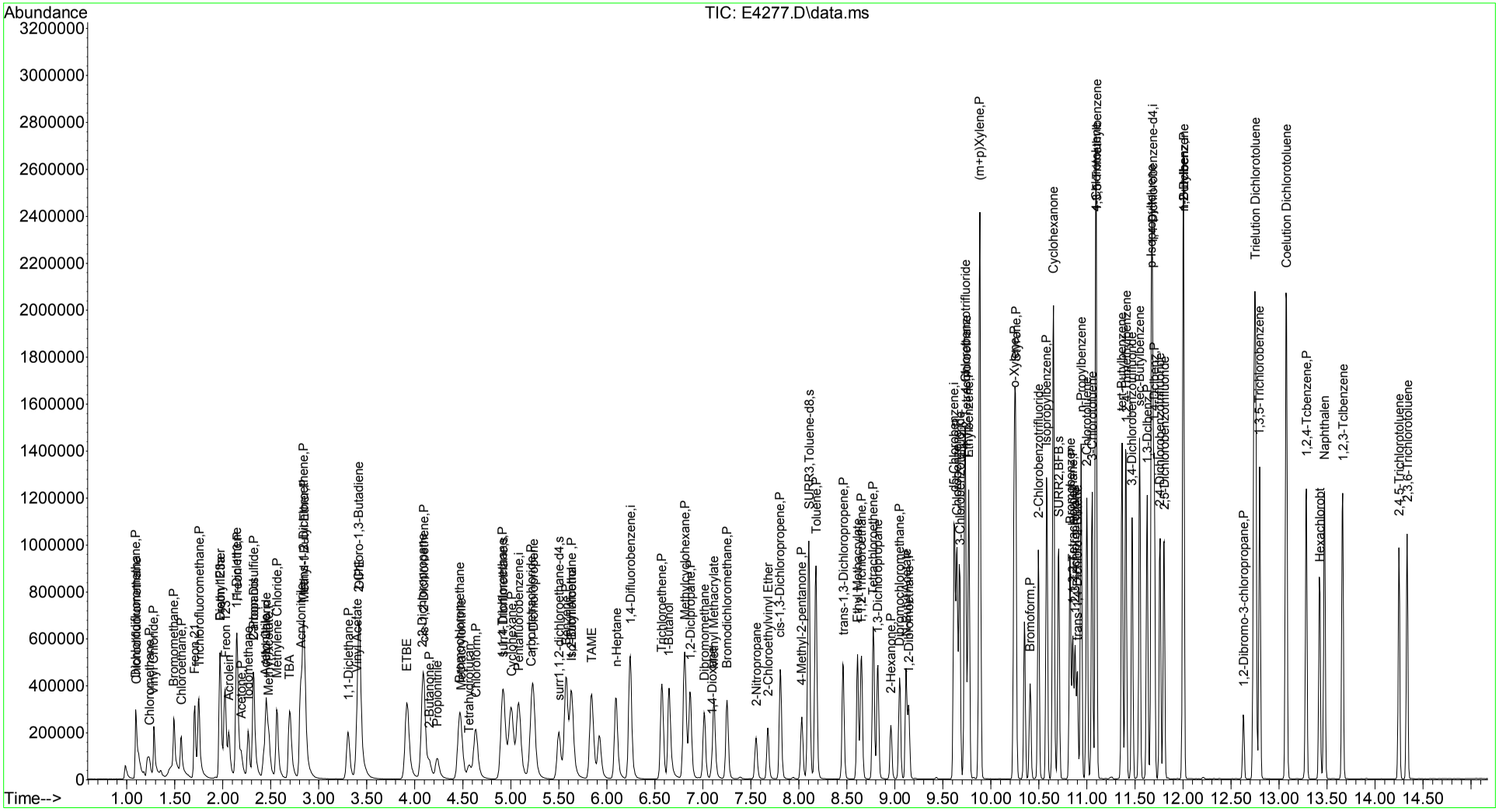


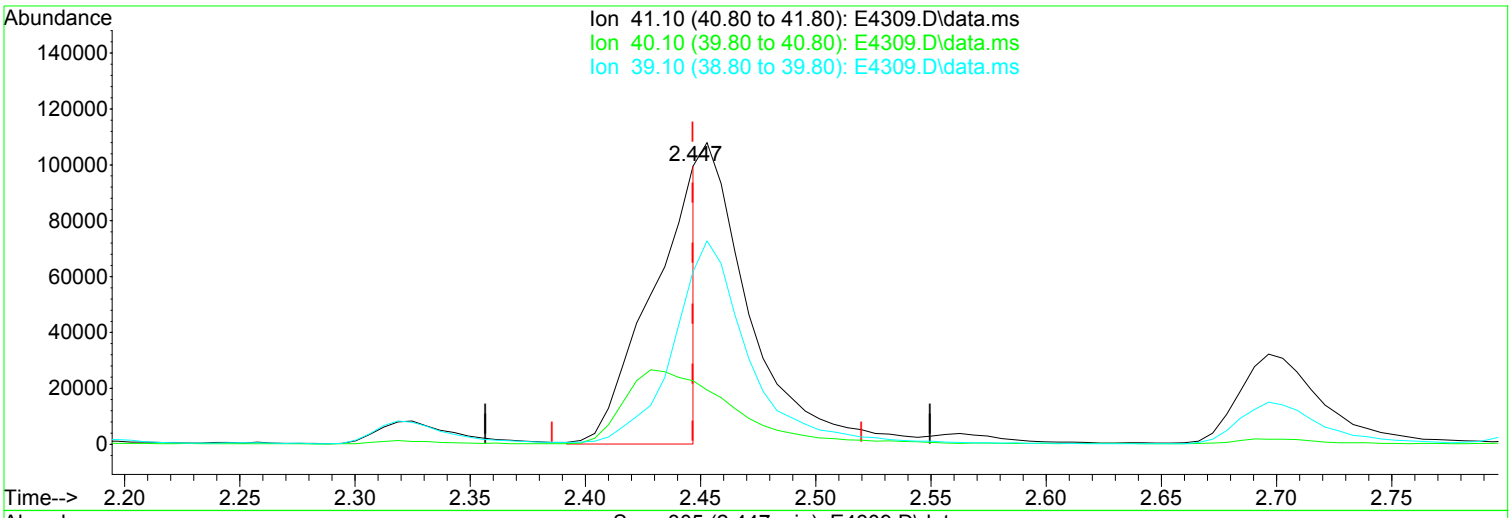
1st 08/05/23
2nd 08/09/23

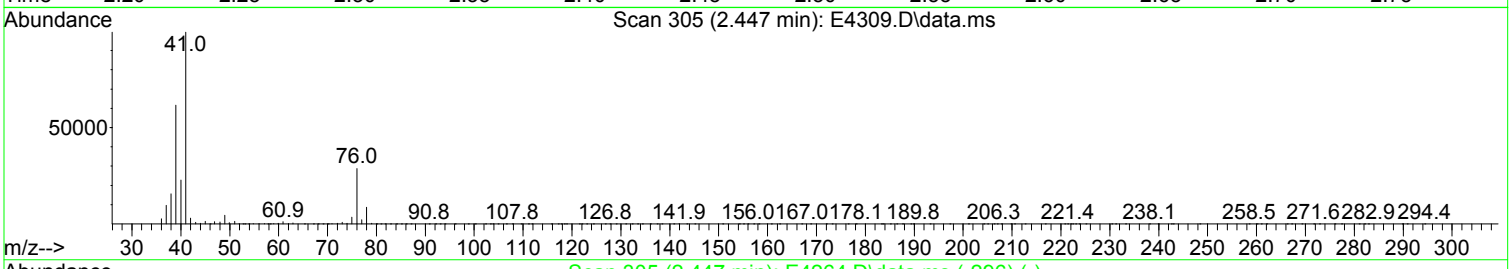
1st 08/08/23
2nd 08/09/23

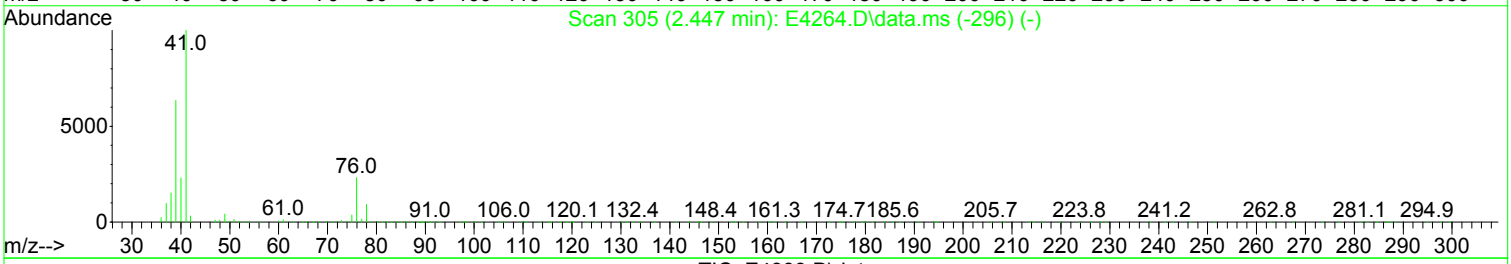
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080823\
Data File : E4309.D
Acq On : 08 Aug 2023 10:53 am
Operator : K.Ruest
Sample : CCV
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 08 11:08:45 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration







TIC: E4309.D\data.ms

(20) Acetonitrile

2.447min (+ 0.000) 231.79 ug/L m

response 140739

Ion	Exp%	Act%
41.10	100.00	100.00
40.10	23.00	22.83
39.10	63.60	61.96
0.00	0.00	0.00

Manual Integration:

After

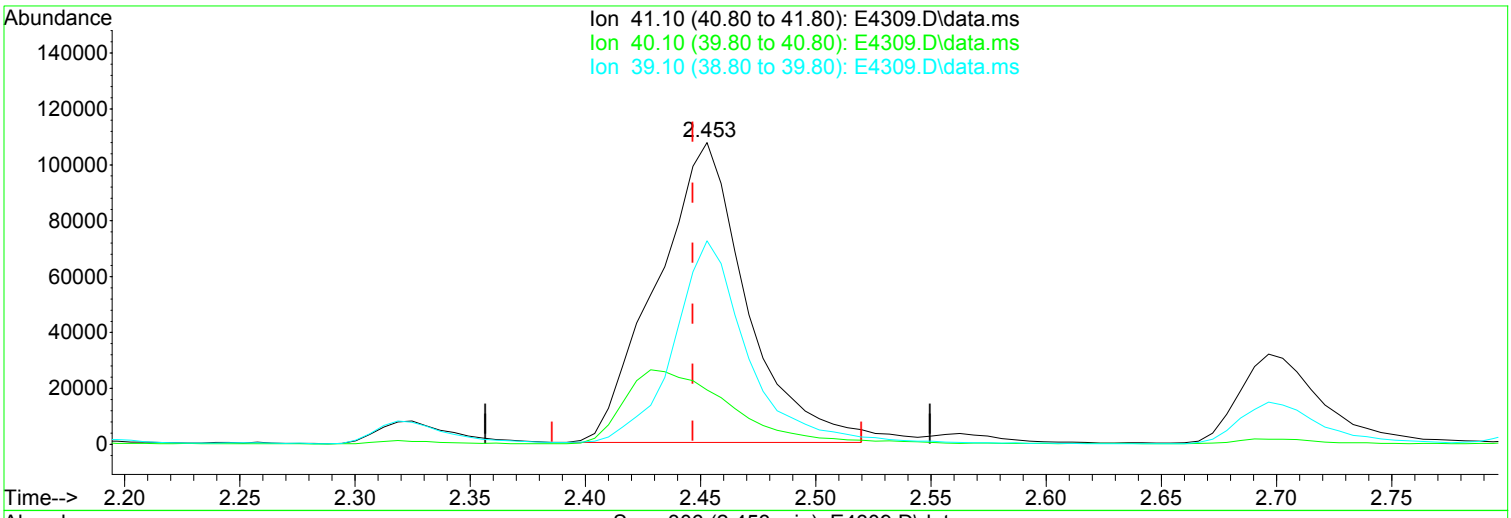
Poor integration.

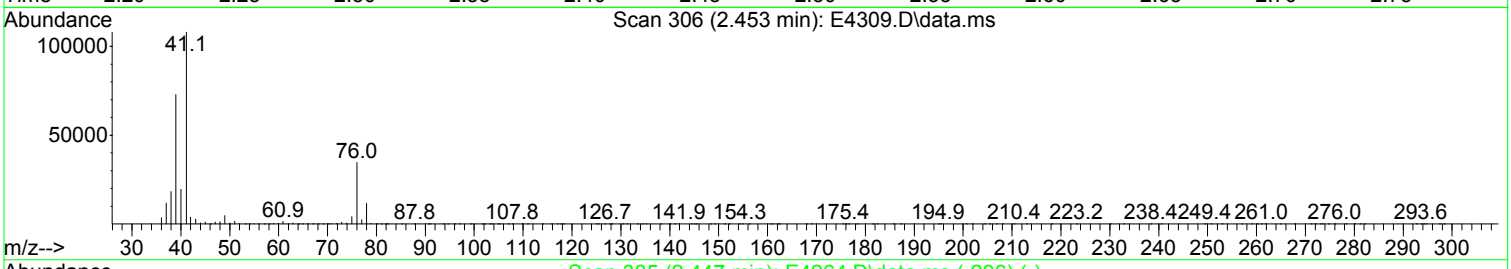
08/08/23

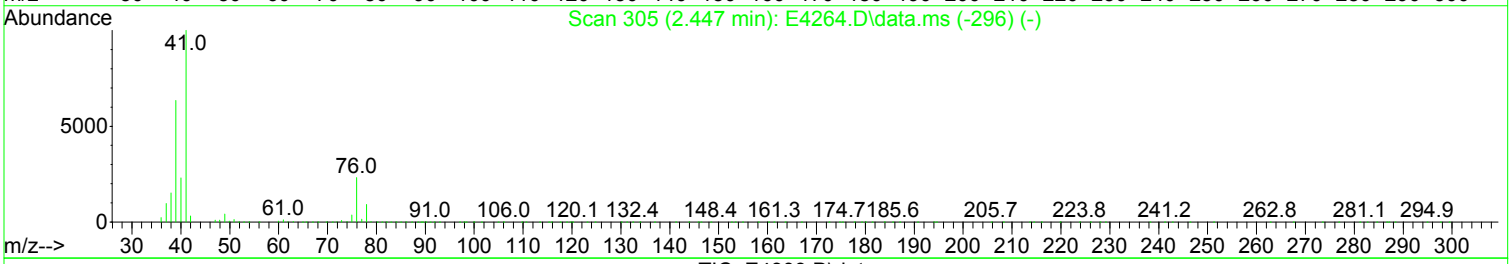
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080823\
Data File : E4309.D
Acq On : 08 Aug 2023 10:53 am
Operator : K.Ruest
Sample : CCV
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 08 11:08:45 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration







TIC: E4309.D\data.ms

(20) Acetonitrile

2.453min (+ 0.006) 479.65 ug/L

response 291239

Ion	Exp%	Act%
41.10	100.00	100.00
40.10	23.00	18.04
39.10	63.60	67.44
0.00	0.00	0.00

Manual Integration:

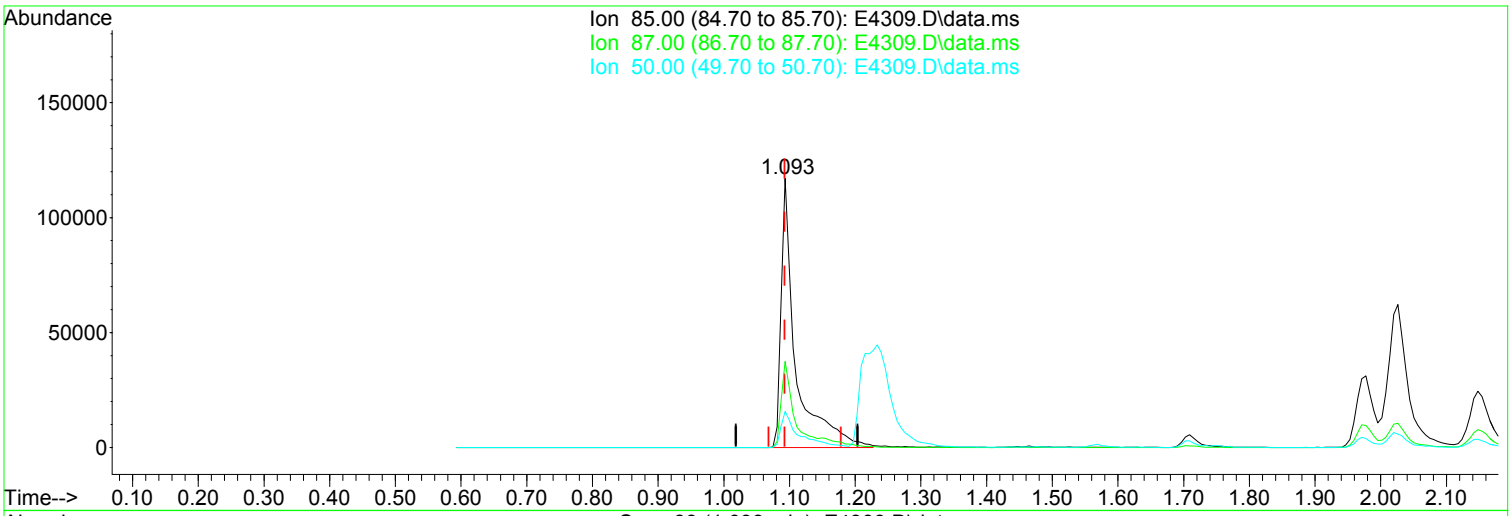
Before

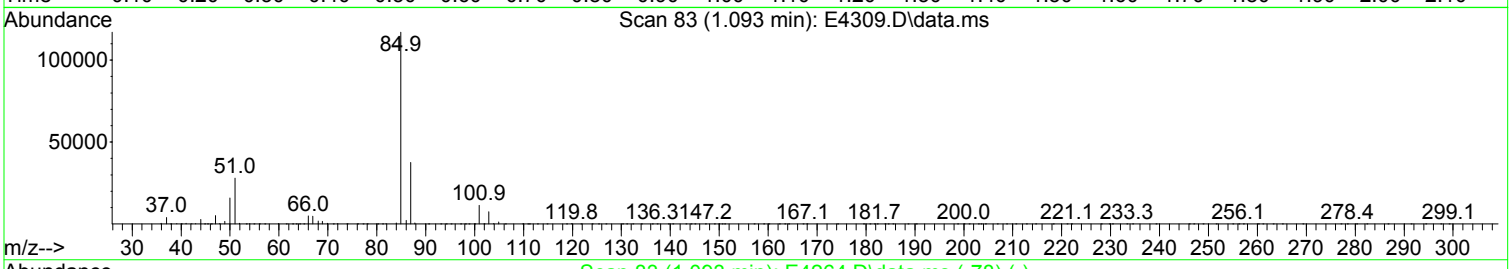
08/08/23

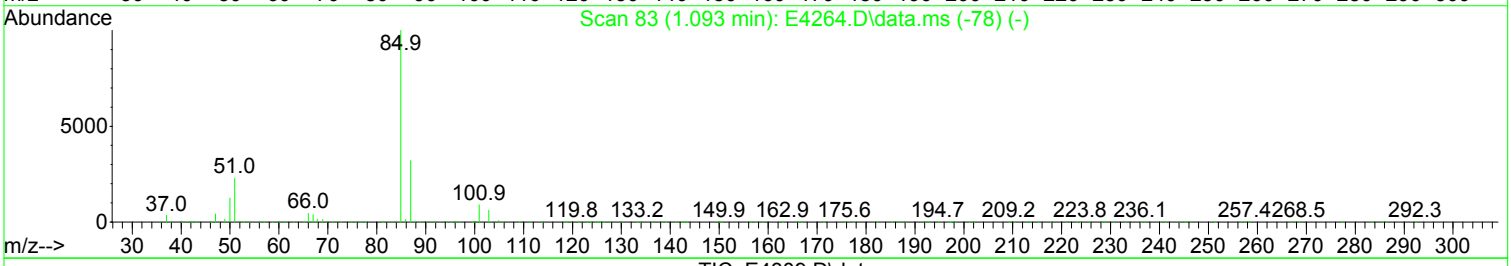
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080823\
Data File : E4309.D
Acq On : 08 Aug 2023 10:53 am
Operator : K.Ruest
Sample : CCV
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 08 11:08:45 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration







TIC: E4309.D\data.ms

(3) Dichlorodifluoromethane (P)

1.093min (+ 0.000) 41.49 ug/L m

response 182266

Ion	Exp%	Act%
85.00	100.00	100.00
87.00	32.10	32.01
50.00	12.60	13.46
0.00	0.00	0.00

Manual Integration:

After

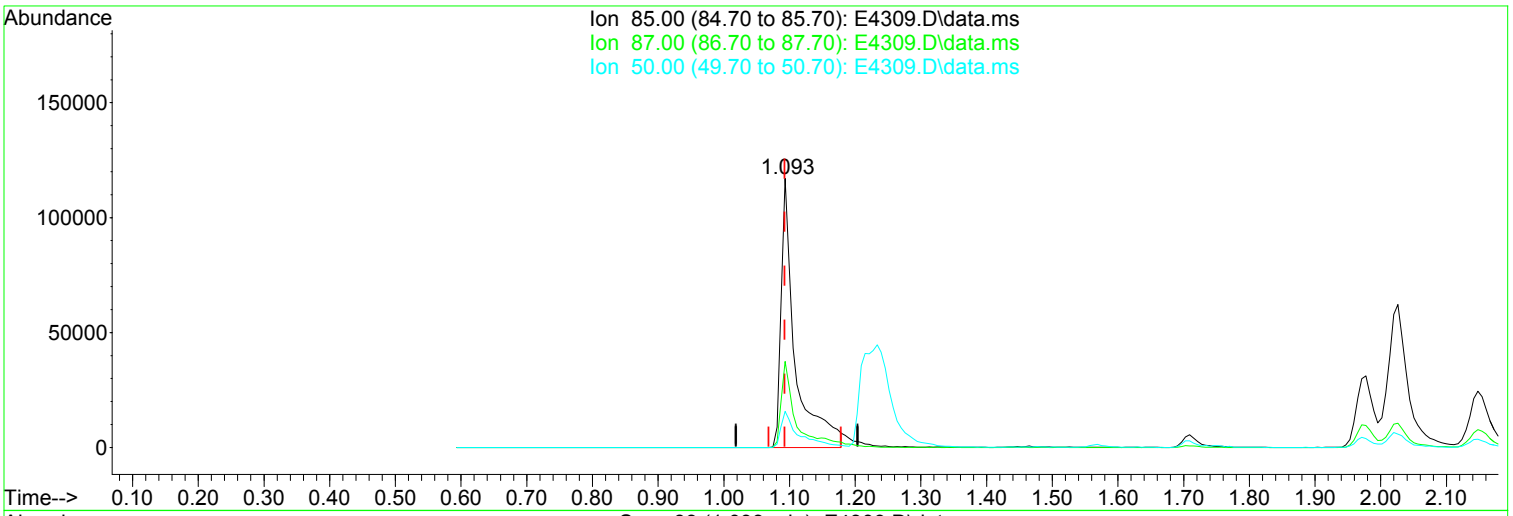
Poor integration.

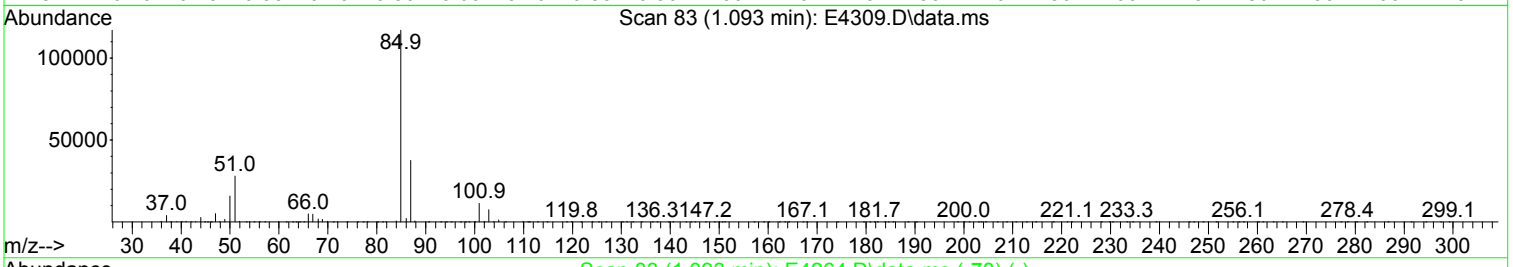
08/08/23

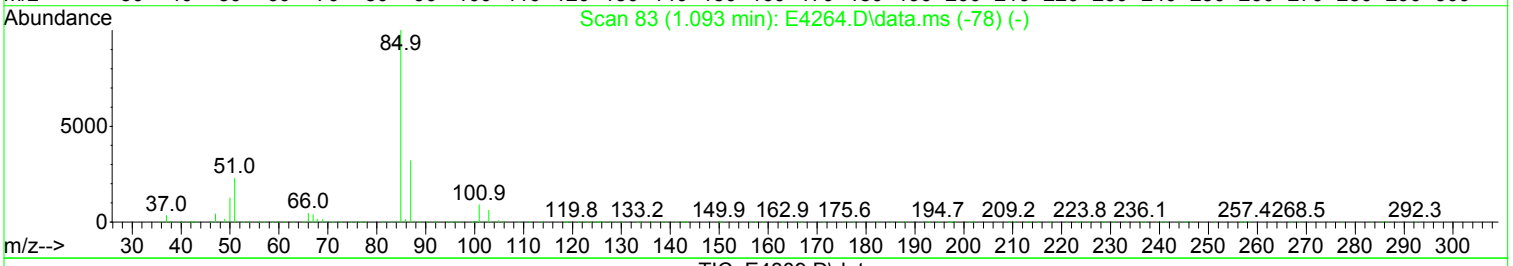
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080823\
Data File : E4309.D
Acq On : 08 Aug 2023 10:53 am
Operator : K.Ruest
Sample : CCV
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 08 11:08:45 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration







TIC: E4309.D\data.ms

(3) Dichlorodifluoromethane (P)

1.093min (+ 0.000) 39.73 ug/L

response 174562

Ion	Exp%	Act%
85.00	100.00	100.00
87.00	32.10	32.01
50.00	12.60	13.46
0.00	0.00	0.00

Manual Integration:

Before

08/08/23

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\MSVOA17\Data\080823\
Data File : E4309.D
Acq On : 08 Aug 2023 10:53 am
Operator : K.Ruest
Sample : CCV
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 08 11:08:45 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	i	Pentafluorobenzene	50.000	50.000	0.0	101	0.00
2		Chlorodifluoromethane	50.000	41.452	17.1	95	0.00
3	P	Dichlorodifluoromethane	50.000	41.488	17.0	89	0.00
4	P	Chloromethane	50.000	41.279	17.4	92	0.00
5	P	Vinyl Chloride	50.000	41.713	16.6	92	0.00
6	P	Bromomethane	50.000	39.335	21.3#	83	0.00
7	P	Chloroethane	50.000	42.195	15.6	95	0.00
8		Freon 21	50.000	43.716	12.6	99	0.00
9	P	Trichlorofluoromethane	50.000	41.602	16.8	90	0.00
10		Diethyl Ether	50.000	44.489	11.0	94	0.00
11		Freon 123a	50.000	40.369	19.3	97	0.00
12		Freon 123	50.000	44.269	11.5	101	0.00
13		Acrolein	250.000	227.711	8.9	99	0.00
14		1,1-Diclethene	50.000	40.940	18.1	93	0.00
15	P	Freon 113	50.000	39.709	20.6#	89	0.00
16	P	Acetone	50.000	41.126	17.7	90	0.00
17		2-Propanol	1000.000	868.815	13.1	92	0.00
18		Iodomethane	50.000	50.329	-0.7	96	0.00
19	P	Carbon Disulfide	50.000	46.415	7.2	97	0.00
20		Acetonitrile	250.000	231.786	7.3	98	0.00
21		Allyl Chloride	50.000	44.256	11.5	95	0.00
22	P	Methyl Acetate	50.000	44.998	10.0	97	0.00
23	P	Methylene Chloride	50.000	42.590	14.8	97	0.00
24		TBA	1000.000	864.750	13.5	93	0.00
25		Acrylonitrile	250.000	226.985	9.2	96	0.00
26	P	Methyl-t-Butyl Ether	50.000	44.814	10.4	96	0.00
27	P	trans-1,2-Dichloroethene	50.000	41.166	17.7	95	0.00
28	P	1,1-Diclethane	50.000	42.560	14.9	90	0.00
29		Vinyl Acetate	50.000	47.522	5.0	102	0.00
30		DIPE	50.000	47.166	5.7	100	0.00
31		2-Chloro-1,3-Butadiene	50.000	46.693	6.6	97	0.00
32		ETBE	50.000	47.358	5.3	101	0.00
33		2,2-Dichloropropane	50.000	41.230	17.5	91	0.00
34	P	cis-1,2-Dichloroethene	50.000	42.821	14.4	95	0.00
35	P	2-Butanone	50.000	44.524	11.0	93	0.00
36		Propionitrile	250.000	218.198	12.7	95	0.00
37		Bromochloromethane	50.000	46.366	7.3	99	0.00
38		Methacrylonitrile	50.000	45.218	9.6	94	0.00
39		Tetrahydrofuran	50.000	42.932	14.1	95	0.00
40	P	Chloroform	50.000	42.095	15.8	95	0.00
41	P	1,1,1-Trichloroethane	50.000	41.558	16.9	91	0.00
42		TAME	50.000	48.026	3.9	101	0.00
43	i	1,4-Difluorobenzene	50.000	50.000	0.0	101	0.00
44	P	Cyclohexane	50.000	41.801	16.4	95	0.00
45	s	surr4,Dibrflmethane	50.000	52.052	-4.1	103	0.00
46	P	Carbontetrachloride	50.000	42.674	14.7	90	0.00
47		1,1-Dichloropropene	50.000	40.511	19.0	91	0.00
48	s	surr1,1,2-dichloroethane-d4	50.000	50.834	-1.7	101	0.00
49	P	Benzene	50.000	43.190	13.6	95	0.00
50	P	1,2-Dichloroethane	50.000	44.157	11.7	97	0.00
51		Iso-Butyl Alcohol	1000.000	878.945	12.1	94	0.00

1st 08/08/23
2nd FW 08/09/23

Data Path : I:\ACQUDATA\MSVOA17\Data\080823\
Data File : E4309.D
Acq On : 08 Aug 2023 10:53 am
Operator : K.Ruest
Sample : CCV
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 08 11:08:45 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
52		n-Heptane	50.000	34.797	30.4#	82	0.00
53		1-Butanol	2500.000	2345.045	6.2	96	0.00
54	P	Trichloroethene	50.000	41.269	17.5	92	0.00
55	P	Methylcyclohexane	50.000	41.520	17.0	98	0.00
56	P	1,2-Diclpropane	50.000	42.491	15.0	93	0.00
57		Dibromomethane	50.000	44.941	10.1	97	0.00
58		1,4-Dioxane	1000.000	893.177	10.7	96	0.00
59		Methyl Methacrylate	50.000	44.244	11.5	96	0.00
60	P	Bromodichloromethane	50.000	43.561	12.9	96	0.00
61		2-Nitropropane	100.000	89.098	10.9	96	0.00
62		2-Chloroethylvinyl Ether	50.000	44.323	11.4	92	0.00
63	P	cis-1,3-Dichloropropene	50.000	43.752	12.5	96	0.00
64	P	4-Methyl-2-pentanone	50.000	45.133	9.7	97	0.00
65	s	SURR3,Toluene-d8	50.000	51.715	-3.4	104	0.00
66	P	Toluene	50.000	42.177	15.6	93	0.00
67	P	trans-1,3-Dichloropropene	50.000	45.632	8.7	96	0.00
68		Ethyl Methacrylate	50.000	45.777	8.4	96	0.00
69	P	1,1,2-Trichloroethane	50.000	44.476	11.0	97	0.00
70	s	SURR2,BFB	50.000	51.138	-2.3	105	0.00
71	i	d5-Chlorobenzene	50.000	50.000	0.0	101	0.00
72	P	Tetrachloroethene	50.000	38.870	22.3#	91	0.00
73	P	2-Hexanone	50.000	43.350	13.3	95	0.00
74		1,3-Dichloropropane	50.000	43.986	12.0	98	0.00
75	P	Dibromochloromethane	50.000	45.137	9.7	97	0.00
76		N-Butyl Acetate	50.000	44.499	11.0	96	0.00
77	P	1,2-Dibromoethane	50.000	44.063	11.9	97	0.00
78		3-Chlorobenzotrifluoride	50.000	46.300	7.4	103	0.00
79	P	Chlorobenzene	50.000	41.836	16.3	94	0.00
80		4-Chlorobenzotrifluoride	50.000	45.395	9.2	102	0.00
81		1,1,1,2-Tetrachloroethane	50.000	42.347	15.3	95	0.00
82	P	Ethylbenzene	50.000	39.730	20.5#	90	0.00
83	P	(m+p)Xylene	100.000	80.249	19.8	91	0.00
84	P	o-Xylene	50.000	40.652	18.7	93	0.00
85	P	Styrene	50.000	41.968	16.1	93	0.00
86	P	Bromoform	50.000	45.597	8.8	96	0.00
87		2-Chlorobenzotrifluoride	50.000	46.151	7.7	102	0.00
88	P	Isopropylbenzene	50.000	38.949	22.1#	89	0.00
89		Cyclohexanone	1000.000	808.303	19.2	89	0.00
90		trans-1,4-Dichloro-2-Butene	50.000	43.302	13.4	95	0.00
91	i	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	96	0.00
92	P	1,1,2,2-Tetrachloroethane	50.000	43.417	13.2	98	0.00
93		Bromobenzene	50.000	41.533	16.9	95	0.00
94		1,2,3-Trichloropropane	50.000	41.924	16.2	97	0.00
95		n-Propylbenzene	50.000	38.082	23.8#	87	0.00
96		2-Chlorotoluene	50.000	39.299	21.4#	91	0.00
97		3-Chlorotoluene	50.000	44.409	11.2	102	0.00
98		4-Chlorotoluene	50.000	38.727	22.5#	90	0.00
99		1,3,5-Trimethylbenzene	50.000	37.952	24.1#	88	0.00
100		tert-Butylbenzene	50.000	36.917	26.2#	87	0.00
101		1,2,4-Trimethylbenzene	50.000	39.113	21.8#	90	0.00

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\MSVOA17\Data\080823\
Data File : E4309.D
Acq On : 08 Aug 2023 10:53 am
Operator : K.Ruest
Sample : CCV
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 08 11:08:45 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
102		3,4-Dichlorobenzotrifluorid	50.000	45.271	9.5	102	0.00
103		sec-Butylbenzene	50.000	36.518	27.0#	86	0.00
104		p-Isopropyltoluene	50.000	38.125	23.8#	87	0.00
105	P	1,3-Dclbenz	50.000	39.737	20.5#	93	0.00
106	P	1,4-Dclbenz	50.000	40.204	19.6	93	0.00
107		2,4-Dichlorobenzotrifluorid	50.000	45.886	8.2	101	0.00
108		2,5-Dichlorobenzotrifluorid	50.000	45.238	9.5	100	0.00
109		n-Butylbenzene	50.000	37.946	24.1#	84	0.00
110	P	1,2-Dclbenz	50.000	41.449	17.1	94	0.00
111	P	1,2-Dibromo-3-chloropropane	50.000	44.612	10.8	96	0.00
112		Trielution Dichlorotoluene	150.000	137.457	8.4	101	0.00
113		1,3,5-Trichlorobenzene	50.000	46.153	7.7	101	0.00
114		Coelution Dichlorotoluene	100.000	93.613	6.4	101	0.00
115	P	1,2,4-Tcbenzene	50.000	41.691	16.6	92	0.00
116		Hexachlorobt	50.000	35.889	28.2#	81	0.00
117		Naphthalen	50.000	46.419	7.2	98	0.00
118		1,2,3-Tclbenzene	50.000	43.047	13.9	93	0.00
119		2,4,5-Trichlorotoluene	50.000	47.207	5.6	98	0.00
120		2,3,6-Trichlorotoluene	50.000	46.904	6.2	93	0.00

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\080823\
Data File : E4309.D
Acq On : 08 Aug 2023 10:53 am
Operator : K.Ruest
Sample : CCV
Misc :
ALS Vial : 1 Sample Multiplier: 1

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Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.080	168	382653	50.00	ug/L		0.00
43) 1,4-Difluorobenzene	6.245	114	555844	50.00	ug/L		0.00
71) d5-Chlorobenzene	9.622	117	517480	50.00	ug/L		0.00
91) 1,4-Dichlorobenzene-d4	11.683	152	283266	50.00	ug/L		0.00
System Monitoring Compounds							
45) surr4,Dibrflmethane	4.922	113	191334	52.05	ug/L		0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 104.10%				
48) surr1,1,2-dichloroetha...	5.501	65	214109	50.83	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 101.66%				
65) SURR3,Toluene-d8	8.104	98	691487	51.72	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 103.44%				
70) SURR2,BFB	10.707	95	260528	51.14	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 102.28%				
Target Compounds							Qvalue
2) Chlorodifluoromethane	1.099	51	145771	41.452	ug/L		97
3) Dichlorodifluoromethane	1.093	85	182266m	41.488	ug/L		
4) Chloromethane	1.233	50	138933	41.279	ug/L		97
5) Vinyl Chloride	1.282	62	175956	41.713	ug/L		99
6) Bromomethane	1.490	94	114296	39.335	ug/L		97
7) Chloroethane	1.569	64	117772	42.195	ug/L		95
8) Freon 21	1.709	67	246536	43.716	ug/L		98
9) Trichlorofluoromethane	1.752	101	221084	41.602	ug/L		100
10) Diethyl Ether	1.971	59	116372	44.489	ug/L		96
11) Freon 123a	1.971	67	135400	40.369	ug/L		92
12) Freon 123	2.026	83	184875	44.269	ug/L		98
13) Acrolein	2.063	56	130199	227.711	ug/L		98
14) 1,1-Diclethene	2.142	96	118811	40.940	ug/L		97
15) Freon 113	2.148	101	126313	39.709	ug/L		98
16) Acetone	2.197	43	73011	41.126	ug/L		96
17) 2-Propanol	2.325	45	253245	868.815	ug/L		99
18) Iodomethane	2.264	142	225101	50.329	ug/L		100
19) Carbon Disulfide	2.319	76	400078	46.415	ug/L		100
20) Acetonitrile	2.447	41	140739m	231.786	ug/L		
21) Allyl Chloride	2.453	76	72771	44.256	ug/L		94
22) Methyl Acetate	2.483	43	180809	44.998	ug/L		98
23) Methylene Chloride	2.563	84	137844	42.590	ug/L		99
24) TBA	2.697	59	441878	864.750	ug/L		100
25) Acrylonitrile	2.812	53	340618	226.985	ug/L		97
26) Methyl-t-Butyl Ether	2.849	73	461860	44.814	ug/L		100
27) trans-1,2-Dichloroethene	2.837	96	135475	41.166	ug/L		99
28) 1,1-Diclethane	3.306	63	222405	42.560	ug/L		99
29) Vinyl Acetate	3.398	86	23607	47.522	ug/L	#	93
30) DIPE	3.422	45	445604	47.166	ug/L		98
31) 2-Chloro-1,3-Butadiene	3.416	53	232572	46.693	ug/L		99
32) ETBE	3.916	59	464409	47.358	ug/L		100
33) 2,2-Dichloropropane	4.081	77	211248	41.230	ug/L		98
34) cis-1,2-Dichloroethene	4.093	96	154488	42.821	ug/L		95
35) 2-Butanone	4.154	43	93396	44.524	ug/L		98
36) Propionitrile	4.233	54	136676	218.198	ug/L		99
37) Bromochloromethane	4.465	130	109614	46.366	ug/L		95
38) Methacrylonitrile	4.483	67	75199	45.218	ug/L		96
39) Tetrahydrofuran	4.562	42	54542	42.932	ug/L		98
40) Chloroform	4.635	83	249323	42.095	ug/L		97

1st 08/08/23
2nd 08/09/23

Data Path : I:\ACQUDATA\MSVOA17\Data\080823\
Data File : E4309.D
Acq On : 08 Aug 2023 10:53 am
Operator : K.Ruest
Sample : CCV
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 08 11:08:45 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) 1,1,1-Trichloroethane	4.922	97	223766	41.558	ug/L	97
42) TAME	5.842	73	459752	48.026	ug/L	97
44) Cyclohexane	5.001	41	124579	41.801	ug/L	96
46) Carbontetrachloride	5.214	117	197014	42.674	ug/L	99
47) 1,1-Dichloropropene	5.233	75	171115	40.511	ug/L	98
49) Benzene	5.580	78	521354	43.190	ug/L	98
50) 1,2-Dichloroethane	5.629	62	208496	44.157	ug/L	98
51) Iso-Butyl Alcohol	5.635	43	175613	878.945	ug/L	98
52) n-Heptane	6.098	43	150768	34.797	ug/L	98
53) 1-Butanol	6.647	56	295421	2345.045	ug/L	99
54) Trichloroethene	6.574	130	154454	41.269	ug/L	95
55) Methylcyclohexane	6.812	55	172639	41.520	ug/L	96
56) 1,2-Diclpropane	6.867	63	133077	42.491	ug/L	98
57) Dibromomethane	7.013	93	103365	44.941	ug/L	97
58) 1,4-Dioxane	7.098	88	51966	893.177	ug/L	93
59) Methyl Methacrylate	7.117	69	125851	44.244	ug/L	98
60) Bromodichloromethane	7.251	83	210422	43.561	ug/L	100
61) 2-Nitropropane	7.556	41	109342	89.098	ug/L	99
62) 2-Chloroethylvinyl Ether	7.677	63	88944	44.323	ug/L	99
63) cis-1,3-Dichloropropene	7.805	75	235864	43.752	ug/L	100
64) 4-Methyl-2-pentanone	8.031	43	180405	45.133	ug/L	97
66) Toluene	8.177	91	579719	42.177	ug/L	99
67) trans-1,3-Dichloropropene	8.464	75	227572	45.632	ug/L	99
68) Ethyl Methacrylate	8.610	69	227804	45.777	ug/L	97
69) 1,1,2-Trichloroethane	8.653	97	146308	44.476	ug/L	98
72) Tetrachloroethene	8.775	164	122088	38.870	ug/L	98
73) 2-Hexanone	8.958	43	133968	43.350	ug/L	99
74) 1,3-Dichloropropane	8.824	76	244461	43.986	ug/L	99
75) Dibromochloromethane	9.049	129	185732	45.137	ug/L	99
76) N-Butyl Acetate	9.116	43	273700	44.499	ug/L	98
77) 1,2-Dibromoethane	9.141	107	162460	44.063	ug/L	100
78) 3-Chlorobenzotrifluoride	9.677	180	264185	46.300	ug/L	98
79) Chlorobenzene	9.647	112	403918	41.836	ug/L	99
80) 4-Chlorobenzotrifluoride	9.732	180	233118	45.395	ug/L	99
81) 1,1,1,2-Tetrachloroethane	9.738	131	163148	42.347	ug/L	99
82) Ethylbenzene	9.769	106	199749	39.730	ug/L	98
83) (m+p)Xylene	9.884	106	504013	80.249	ug/L	99
84) o-Xylene	10.244	106	250774	40.652	ug/L	97
85) Styrene	10.256	104	438822	41.968	ug/L	98
86) Bromoform	10.409	173	142595	45.597	ug/L	99
87) 2-Chlorobenzotrifluoride	10.494	180	257310	46.151	ug/L	99
88) Isopropylbenzene	10.579	105	591587	38.949	ug/L	98
89) Cyclohexanone	10.653	55	620387	808.303	ug/L	99
90) trans-1,4-Dichloro-2-B...	10.902	53	64758	43.302	ug/L	99
92) 1,1,2,2-Tetrachloroethane	10.854	83	218271	43.417	ug/L	99
93) Bromobenzene	10.823	156	197858	41.533	ug/L	97
94) 1,2,3-Trichloropropane	10.878	110	72925	41.924	ug/L	95
95) n-Propylbenzene	10.939	91	715692	38.082	ug/L	99
96) 2-Chlorotoluene	11.000	91	447386	39.299	ug/L	99
97) 3-Chlorotoluene	11.055	91	517640	44.409	ug/L	99
98) 4-Chlorotoluene	11.098	91	537190	38.727	ug/L	98
99) 1,3,5-Trimethylbenzene	11.098	105	550109	37.952	ug/L	97
100) tert-Butylbenzene	11.366	119	454946	36.917	ug/L	99
101) 1,2,4-Trimethylbenzene	11.408	105	546042	39.113	ug/L	100
102) 3,4-Dichlorobenzotrifl...	11.476	214	212479	45.271	ug/L	98
103) sec-Butylbenzene	11.549	105	643517	36.518	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\080823\
Data File : E4309.D
Acq On : 08 Aug 2023 10:53 am
Operator : K.Ruest
Sample : CCV
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 08 11:08:45 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration

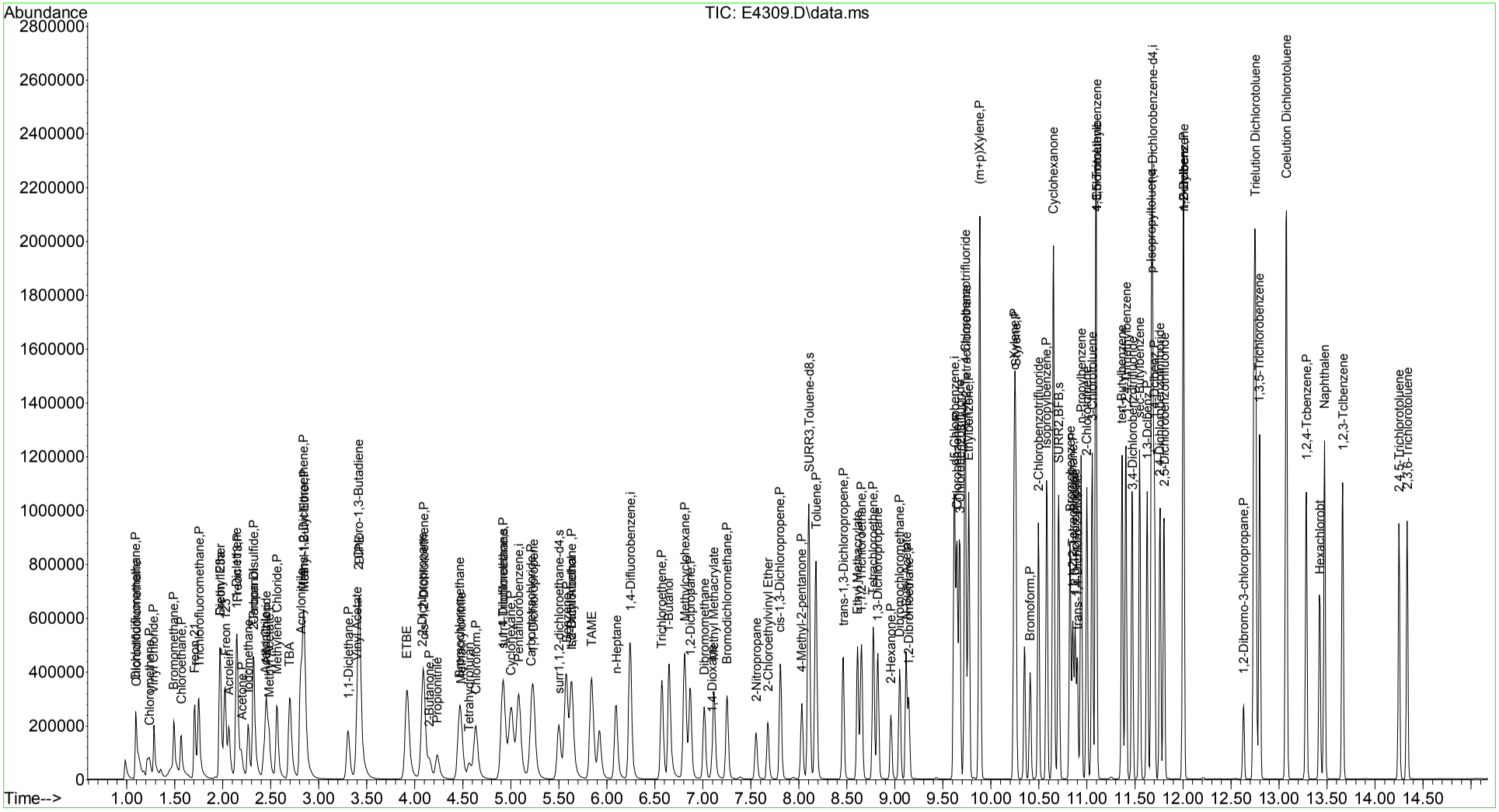
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) p-Isopropyltoluene	11.671	119	589917	38.125	ug/L	99
105) 1,3-Dclbenz	11.628	146	343229	39.737	ug/L	99
106) 1,4-Dclbenz	11.701	146	355415	40.204	ug/L	98
107) 2,4-Dichlorobenzotrifl...	11.762	214	192846	45.886	ug/L	97
108) 2,5-Dichlorobenzotrifl...	11.805	214	210626	45.238	ug/L	99
109) n-Butylbenzene	12.006	91	504519	37.946	ug/L	99
110) 1,2-Dclbenz	12.006	146	350648	41.449	ug/L	99
111) 1,2-Dibromo-3-chloropr...	12.634	157	61930	44.612	ug/L	98
112) Trielution Dichlorotol...	12.750	125	993165	137.457	ug/L	98
113) 1,3,5-Trichlorobenzene	12.798	180	293005	46.153	ug/L	99
114) Coelution Dichlorotoluene	13.079	125	714918	93.613	ug/L	95
115) 1,2,4-Tcbenzene	13.286	180	266903	41.691	ug/L	98
116) Hexachlorobt	13.426	225	103487	35.889	ug/L	99
117) Naphthalen	13.475	128	736989	46.419	ug/L	100
118) 1,2,3-Tclbenzene	13.664	180	267009	43.047	ug/L	97
119) 2,4,5-Trichlorotoluene	14.249	159	190782	47.207	ug/L	100
120) 2,3,6-Trichlorotoluene	14.335	159	177100	46.904	ug/L	99

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\080823\
Data File : E4309.D
Acq On : 08 Aug 2023 10:53 am
Operator : K.Ruest
Sample : CCV
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 08 11:08:45 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration



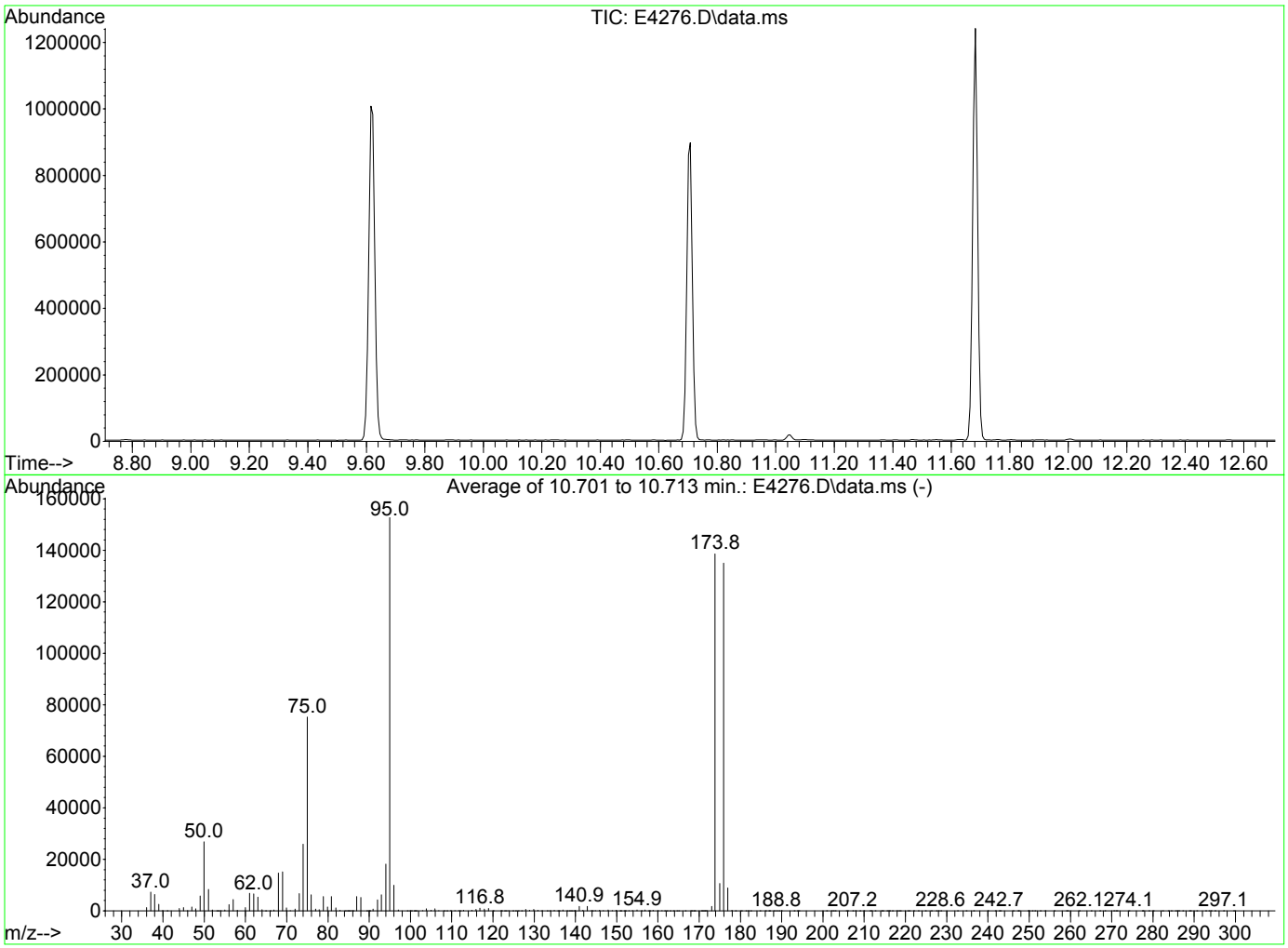
1st 08/08/23
2nd 08/09/23

1st 08/05/23
2nd 08/09/23

Data Path : I:\ACQUDATA\MSVOA17\Data\080523\
Data File : E4276.D
Acq On : 05 Aug 2023 10:11 am
Operator : K.Ruest
Sample : TUNE
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: CPD4.P

Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Title : MS#17 - 8260 WATERS 5mL Purge
Last Update : Sat Aug 05 10:36:43 2023



AutoFind: Scans 1659, 1660, 1661; Background Corrected with Scan 1653

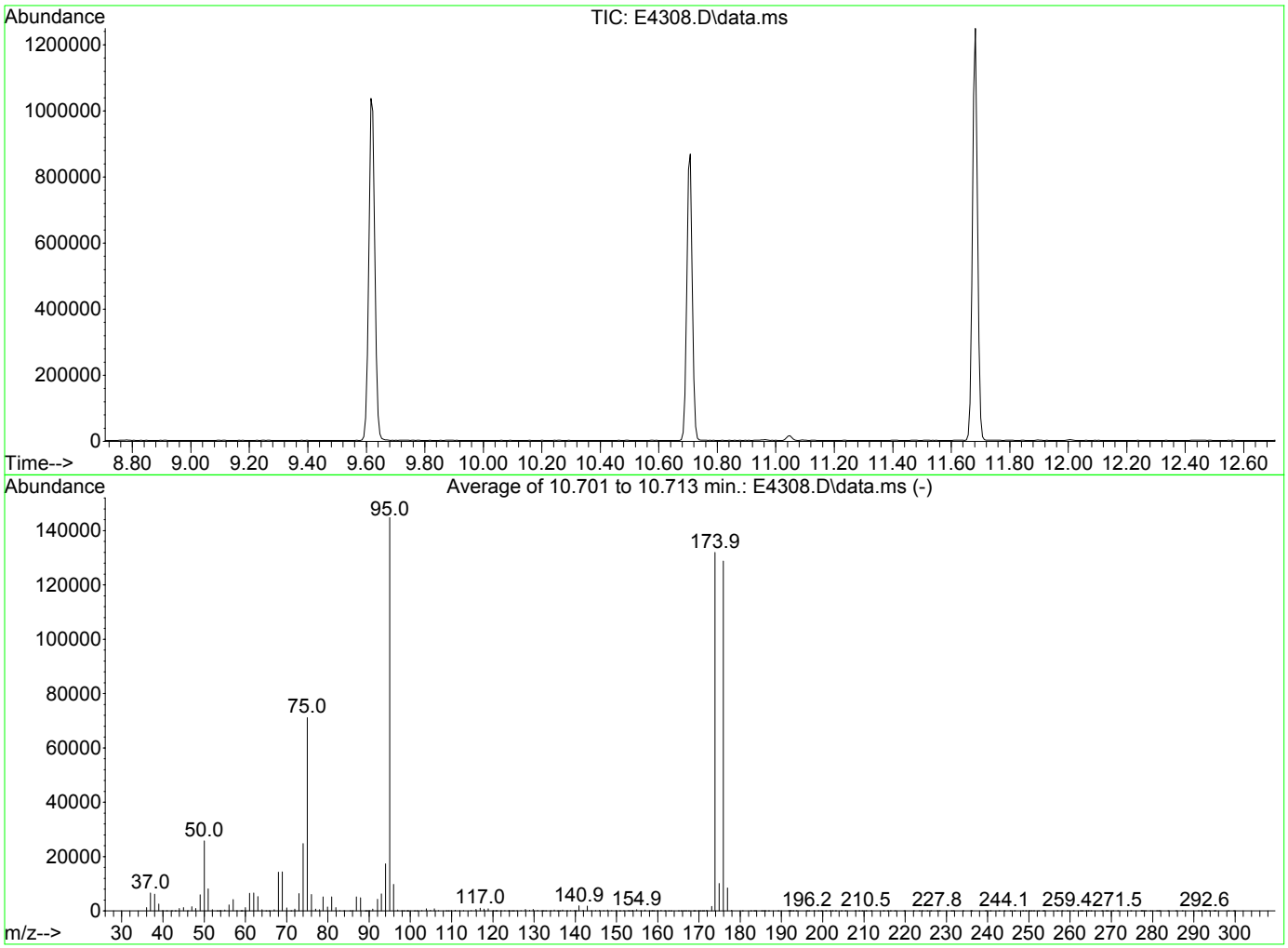
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.5	26783	PASS
75	95	30	80	49.3	75239	PASS
95	95	100	100	100.0	152659	PASS
96	95	5	9	6.5	9897	PASS
173	174	0.00	2	1.3	1744	PASS
174	95	50	120	90.8	138583	PASS
175	174	5	9	7.7	10666	PASS
176	174	95	101	97.4	135019	PASS
177	176	5	9	6.6	8860	PASS

1st 08/08/23
2nd 08/09/23

Data Path : I:\ACQUDATA\MSVOA17\Data\080823\
Data File : E4308.D
Acq On : 08 Aug 2023 10:20 am
Operator : K.Ruest
Sample : TUNE
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: CPD4.P

Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Title : MS#17 - 8260 WATERS 5mL Purge
Last Update : Sat Aug 05 10:36:43 2023



AutoFind: Scans 1659, 1660, 1661; Background Corrected with Scan 1653

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.8	25773	PASS
75	95	30	60	49.2	71163	PASS
95	95	100	100	100.0	144771	PASS
96	95	5	9	6.7	9759	PASS
173	174	0.00	2	1.2	1624	PASS
174	95	50	120	91.2	132003	PASS
175	174	5	9	7.7	10101	PASS
176	174	95	101	97.5	128728	PASS
177	176	5	9	6.5	8400	PASS

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4271.D
Acq On : 04 Aug 2023 09:00 pm
Operator : K.Ruest
Sample : ICV-50
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 05 11:41:05 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.086	168	381021	50.00	ug/L		0.00
43) 1,4-Difluorobenzene	6.245	114	546825	50.00	ug/L		0.00
71) d5-Chlorobenzene	9.622	117	501709	50.00	ug/L		0.00
91) 1,4-Dichlorobenzene-d4	11.683	152	279502	50.00	ug/L		0.00
System Monitoring Compounds							
45) surr4,Dibrflmethane	4.928	113	184650	51.06	ug/L		0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 102.12%				
48) surr1,1,2-dichloroetha...	5.501	65	210041	50.69	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 101.38%				
65) SURR3,Toluene-d8	8.104	98	662527	50.37	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 100.74%				
70) SURR2,BFB	10.707	95	253463	50.57	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 101.14%				
Target Compounds							Qvalue
2) Chlorodifluoromethane	1.105	51	165981	47.401	ug/L		98
3) Dichlorodifluoromethane	1.093	85	191147m	43.696	ug/L		
4) Chloromethane	1.227	50	178884	53.376	ug/L		97
5) Vinyl Chloride	1.282	62	189132	45.029	ug/L		99
6) Bromomethane	1.489	94	169589	58.615	ug/L		99
7) Chloroethane	1.569	64	129204	46.489	ug/L		96
8) Freon 21	1.709	67	244135	43.475	ug/L		100
9) Trichlorofluoromethane	1.752	101	276167	52.190	ug/L		98
10) Diethyl Ether	1.971	59	125557	48.206	ug/L		95
11) Freon 123a	1.977	67	156817	46.955	ug/L		99
12) Freon 123	2.026	83	242865	58.404	ug/L		98
13) Acrolein	2.069	56	63293	111.170	ug/L		96
14) 1,1-Diclethene	2.142	96	140493	48.618	ug/L		99
15) Freon 113	2.148	101	149782	47.288	ug/L		97
16) Acetone	2.197	43	70534	39.901	ug/L		94
17) 2-Propanol	2.325	45	273254	941.476	ug/L		99
18) Iodomethane	2.264	142	246162	55.274	ug/L		99
19) Carbon Disulfide	2.319	76	405997	47.303	ug/L		99
20) Acetonitrile	2.447	41	151753m	250.996	ug/L		
21) Allyl Chloride	2.453	76	88296	53.927	ug/L		99
22) Methyl Acetate	2.483	43	142021	35.497	ug/L		98
23) Methylene Chloride	2.569	84	150382	46.662	ug/L		98
24) TBA	2.703	59	478798	941.015	ug/L		99
25) Acrylonitrile	2.812	53	354690	237.375	ug/L		99
26) Methyl-t-Butyl Ether	2.849	73	496794	48.410	ug/L		100
27) trans-1,2-Dichloroethene	2.837	96	159036	48.533	ug/L		100
28) 1,1-Diclethane	3.306	63	264223	50.779	ug/L		98
29) Vinyl Acetate	3.398	86	31187	63.049	ug/L	#	72
30) DIPE	3.428	45	474366	50.425	ug/L		94
31) 2-Chloro-1,3-Butadiene	3.416	53	239577	48.305	ug/L		100
32) ETBE	3.922	59	447185	45.797	ug/L		97
33) 2,2-Dichloropropane	4.087	77	251023	49.203	ug/L		99
34) cis-1,2-Dichloroethene	4.093	96	176061	49.010	ug/L		99
35) 2-Butanone	4.154	43	88967	42.594	ug/L		99
36) Propionitrile	4.233	54	144978	232.443	ug/L		99
37) Bromochloromethane	4.465	130	120459	51.171	ug/L		97
38) Methacrylonitrile	4.483	67	81833	49.418	ug/L		92
39) Tetrahydrofuran	4.562	42	57713	45.623	ug/L		99
40) Chloroform	4.635	83	284733	48.280	ug/L		100

1st 08/05/23
2nd 08/07/23

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4271.D
Acq On : 04 Aug 2023 09:00 pm
Operator : K.Ruest
Sample : ICV-50
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 05 11:41:05 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41)	1,1,1-Trichloroethane	4.922	97	269324	50.233	ug/L	100
42)	TAME	5.842	73	477689	50.113	ug/L	99
44)	Cyclohexane	5.007	41	140684	47.984	ug/L	95
46)	Carbontetrachloride	5.214	117	242632	53.421	ug/L	99
47)	1,1-Dichloropropene	5.239	75	206686	49.740	ug/L	100
49)	Benzene	5.580	78	602655	50.749	ug/L	98
50)	1,2-Dichloroethane	5.629	62	229656	49.440	ug/L	97
51)	Iso-Butyl Alcohol	5.641	43	194775	990.930	ug/L	98
52)	n-Heptane	6.098	43	204695	48.022	ug/L	99
53)	1-Butanol	6.653	56	305008	2461.079	ug/L	98
54)	Trichloroethene	6.574	130	188855	51.294	ug/L	97
55)	Methylcyclohexane	6.812	55	195482	47.790	ug/L	97
56)	1,2-Diclpropane	6.873	63	153434	49.799	ug/L	97
57)	Dibromomethane	7.013	93	112111	49.548	ug/L	97
58)	1,4-Dioxane	7.098	88	54905	959.256	ug/L	99
59)	Methyl Methacrylate	7.117	69	138685	49.560	ug/L	97
60)	Bromodichloromethane	7.257	83	230268	48.455	ug/L	99
61)	2-Nitropropane	7.555	41	115179	95.402	ug/L	93
62)	2-Chloroethylvinyl Ether	7.677	63	66237	33.552	ug/L	100
63)	cis-1,3-Dichloropropene	7.812	75	277771	52.376	ug/L	100
64)	4-Methyl-2-pentanone	8.031	43	195082	49.609	ug/L	96
66)	Toluene	8.177	91	691233	51.119	ug/L	98
67)	trans-1,3-Dichloropropene	8.464	75	266430	54.305	ug/L	99
68)	Ethyl Methacrylate	8.610	69	248501	50.760	ug/L	99
69)	1,1,2-Trichloroethane	8.653	97	161423	49.880	ug/L	98
72)	Tetrachloroethene	8.775	164	152820	50.183	ug/L	99
73)	2-Hexanone	8.958	43	142773	47.652	ug/L	97
74)	1,3-Dichloropropane	8.824	76	262845	48.780	ug/L	95
75)	Dibromochloromethane	9.049	129	203916	51.114	ug/L	98
76)	N-Butyl Acetate	9.116	43	287212	48.164	ug/L	100
77)	1,2-Dibromoethane	9.147	107	176309	49.322	ug/L	97
78)	3-Chlorobenzotrifluoride	9.677	180	277329	50.131	ug/L	98
79)	Chlorobenzene	9.647	112	467160	49.907	ug/L	99
80)	4-Chlorobenzotrifluoride	9.732	180	244830	49.174	ug/L	99
81)	1,1,1,2-Tetrachloroethane	9.738	131	187690	50.249	ug/L	99
82)	Ethylbenzene	9.768	106	244193	50.096	ug/L	98
83)	(m+p)Xylene	9.884	106	618259	101.534	ug/L	100
84)	o-Xylene	10.244	106	300490	50.242	ug/L	98
85)	Styrene	10.256	104	524510	51.740	ug/L	99
86)	Bromoform	10.409	173	163139	53.806	ug/L	99
87)	2-Chlorobenzotrifluoride	10.494	180	271130	50.158	ug/L	99
88)	Isopropylbenzene	10.585	105	770885	52.349	ug/L	100
89)	Cyclohexanone	10.652	55	782006	1050.905	ug/L	99
90)	trans-1,4-Dichloro-2-B...	10.902	53	65062	44.872	ug/L	95
92)	1,1,2,2-Tetrachloroethane	10.854	83	223080	44.971	ug/L	99
93)	Bromobenzene	10.823	156	220737	46.960	ug/L	98
94)	1,2,3-Trichloropropane	10.878	110	78934	45.990	ug/L	97
95)	n-Propylbenzene	10.939	91	908152	48.973	ug/L	99
96)	2-Chlorotoluene	11.000	91	544183	48.445	ug/L	100
97)	3-Chlorotoluene	11.055	91	546294	47.499	ug/L	99
98)	4-Chlorotoluene	11.098	91	651965	47.635	ug/L	99
99)	1,3,5-Trimethylbenzene	11.091	105	689274	48.194	ug/L	99
100)	tert-Butylbenzene	11.366	119	595084	48.939	ug/L	99
101)	1,2,4-Trimethylbenzene	11.408	105	677595	49.190	ug/L	99
102)	3,4-Dichlorobenzotrifl...	11.469	214	226846	48.983	ug/L	100
103)	sec-Butylbenzene	11.549	105	848206	48.782	ug/L	99

1st 08/05/23
2nd 08/07/23

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4271.D
Acq On : 04 Aug 2023 09:00 pm
Operator : K.Ruest
Sample : ICV-50
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 05 11:41:05 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration

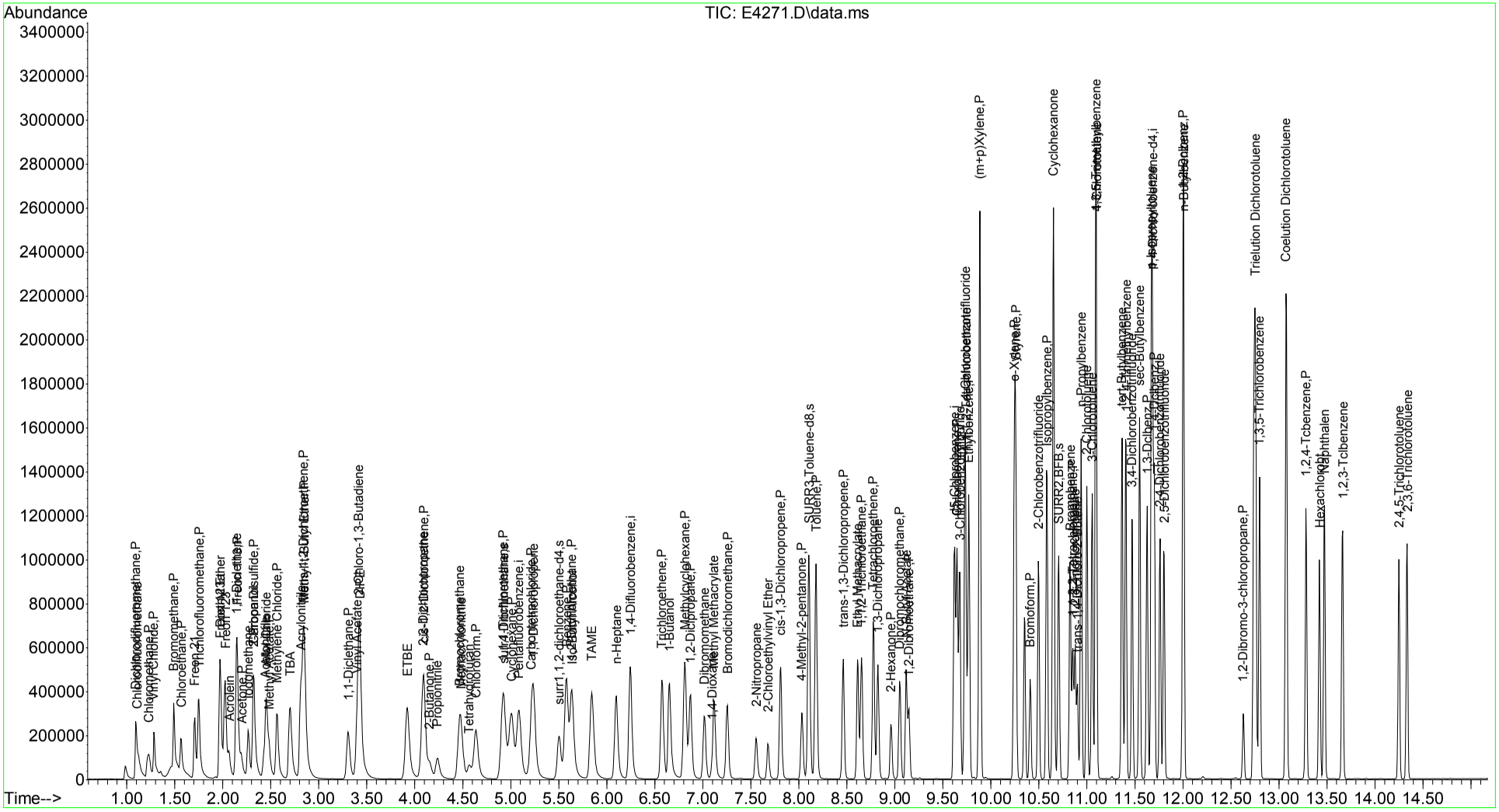
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) p-Isopropyltoluene	11.671	119	752263	49.272	ug/L	100
105) 1,3-Dclbenz	11.628	146	409050	47.995	ug/L	97
106) 1,4-Dclbenz	11.701	146	418897	48.023	ug/L	99
107) 2,4-Dichlorobenzotrifl...	11.762	214	202123	48.741	ug/L	99
108) 2,5-Dichlorobenzotrifl...	11.805	214	220897	48.083	ug/L	99
109) n-Butylbenzene	12.006	91	661444	50.419	ug/L	99
110) 1,2-Dclbenz	12.000	146	399903	47.908	ug/L	98
111) 1,2-Dibromo-3-chloropr...	12.628	157	66465	48.523	ug/L	93
112) Trielution Dichlorotol...	12.750	125	1034426	145.095	ug/L	99
113) 1,3,5-Trichlorobenzene	12.798	180	304391	48.592	ug/L	98
114) Coelution Dichlorotoluene	13.073	125	739599	98.149	ug/L	98
115) 1,2,4-Tcbenzene	13.280	180	293983	46.540	ug/L	97
116) Hexachlorobt	13.420	225	143791	50.538	ug/L	99
117) Naphthalen	13.475	128	768598	49.062	ug/L	99
118) 1,2,3-Tclbenzene	13.664	180	282216	46.111	ug/L	98
119) 2,4,5-Trichlorotoluene	14.249	159	204052	51.171	ug/L	98
120) 2,3,6-Trichlorotoluene	14.335	159	204162	54.800	ug/L	99

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4271.D
Acq On : 04 Aug 2023 09:00 pm
Operator : K.Ruest
Sample : ICV-50
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 05 11:41:05 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration



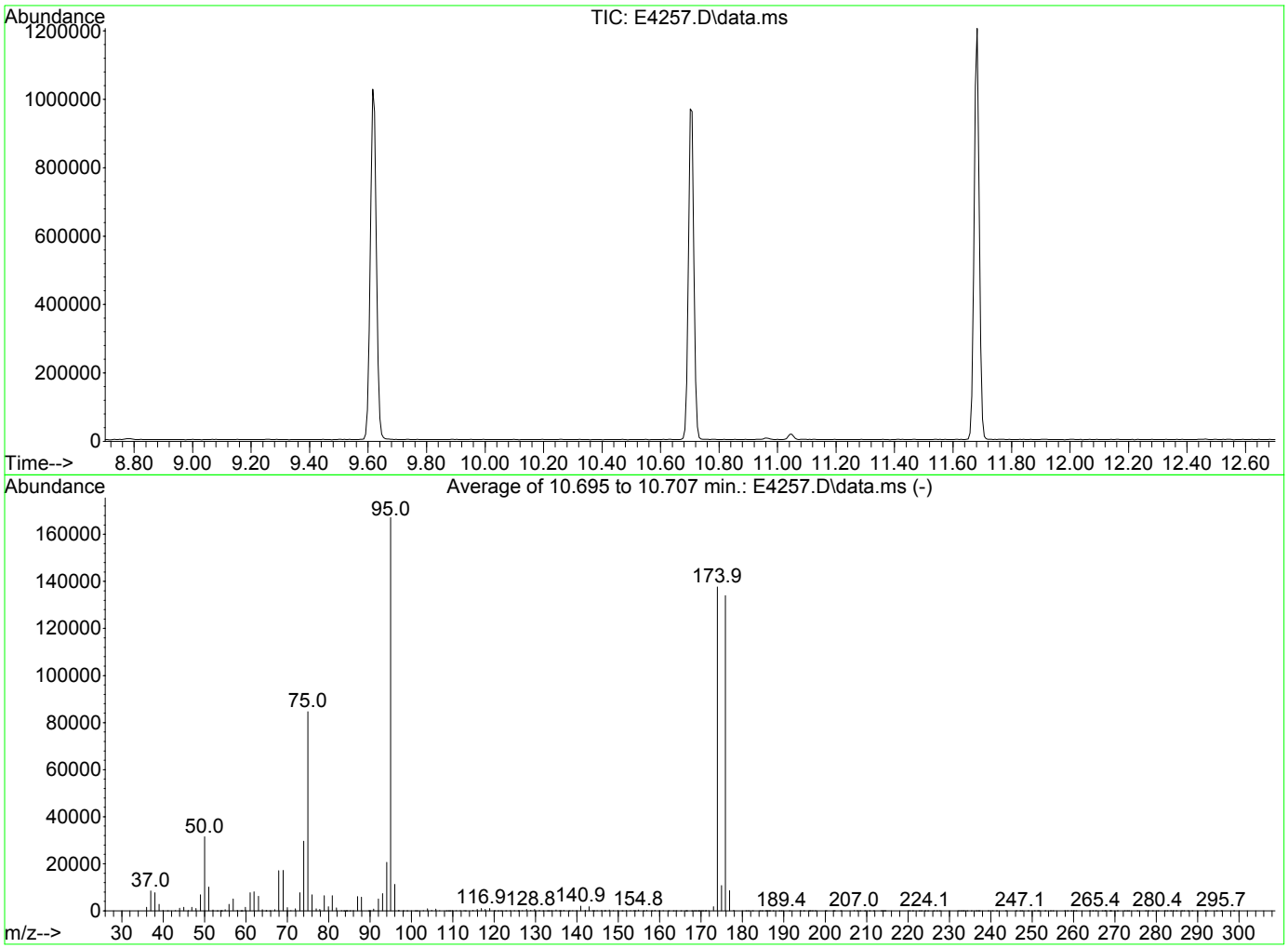
1st 08/05/23
2nd 08/07/23

1st 08/05/23
2nd 08/07/23

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4257.D
Acq On : 04 Aug 2023 03:35 pm
Operator : K.Ruest
Sample : TUNE
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: CPD4.P

Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Title : MS#17 - 8260 WATERS 5mL Purge
Last Update : Sat Aug 05 10:36:43 2023



AutoFind: Scans 1658, 1659, 1660; Background Corrected with Scan 1653

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.8	31472	PASS
75	95	30	60	50.6	84576	PASS
95	95	100	100	100.0	167109	PASS
96	95	5	9	6.7	11201	PASS
173	174	0.00	2	1.2	1713	PASS
174	95	50	120	82.4	137667	PASS
175	174	5	9	7.8	10715	PASS
176	174	95	101	97.3	133933	PASS
177	176	5	9	6.4	8625	PASS

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4258.D
Acq On : 04 Aug 2023 03:58 pm
Operator : K.Ruest
Sample : IBLK
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 05 12:35:03 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration

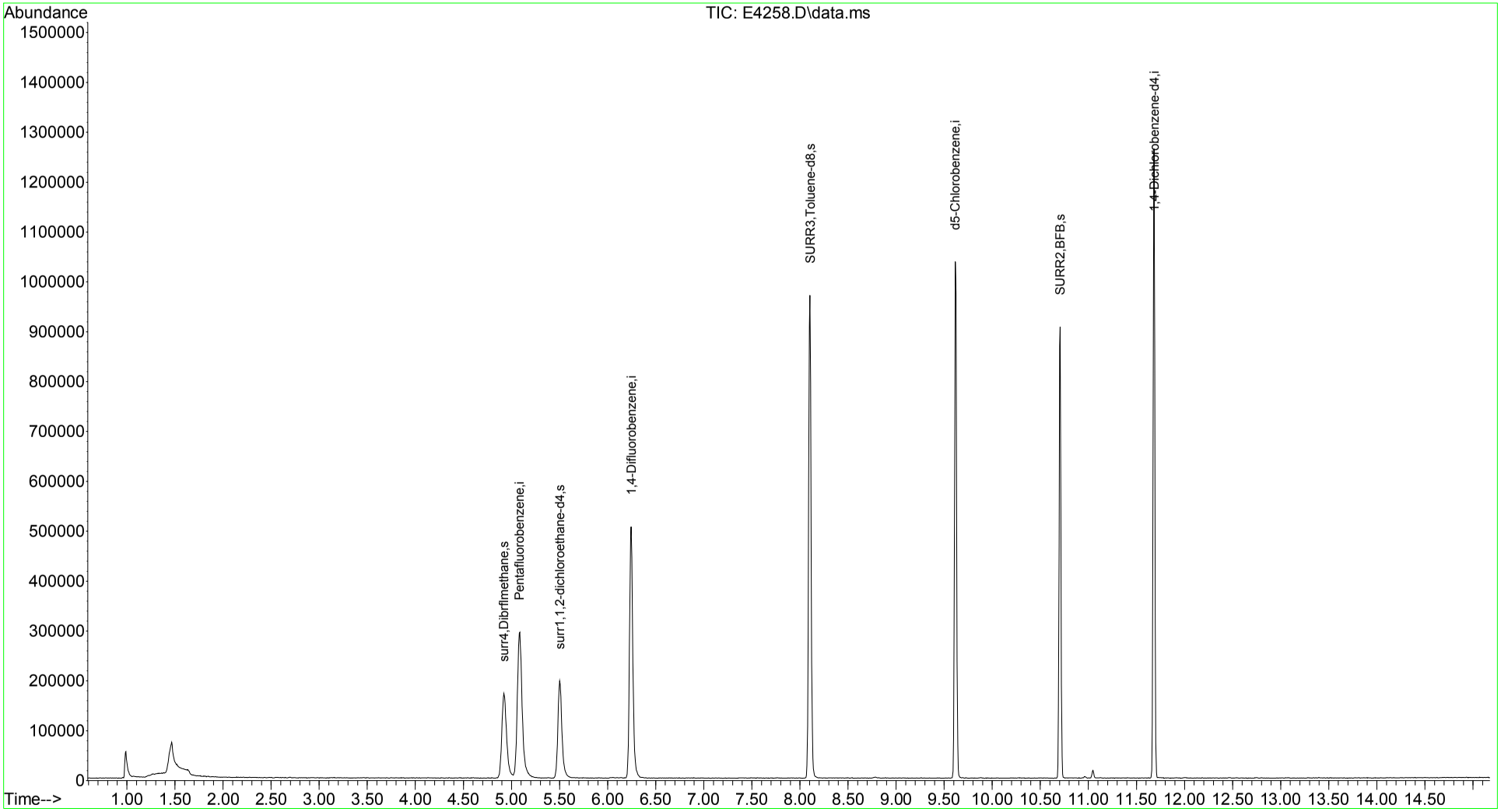
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.086	168	366144	50.00	ug/L	0.00
43) 1,4-Difluorobenzene	6.245	114	536498	50.00	ug/L	0.00
71) d5-Chlorobenzene	9.616	117	493834	50.00	ug/L	0.00
91) 1,4-Dichlorobenzene-d4	11.683	152	244251	50.00	ug/L	0.00
System Monitoring Compounds						
45) surr4,Dibrflmethane	4.922	113	175759	49.54	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 99.08%			
48) surr1,1,2-dichloroetha...	5.501	65	208485	51.28	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 102.56%			
65) SURR3,Toluene-d8	8.104	98	637757	49.42	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 98.84%			
70) SURR2,BFB	10.707	95	231399	47.06	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 94.12%			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4258.D
Acq On : 04 Aug 2023 03:58 pm
Operator : K.Ruest
Sample : IBLK
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 05 12:35:03 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration

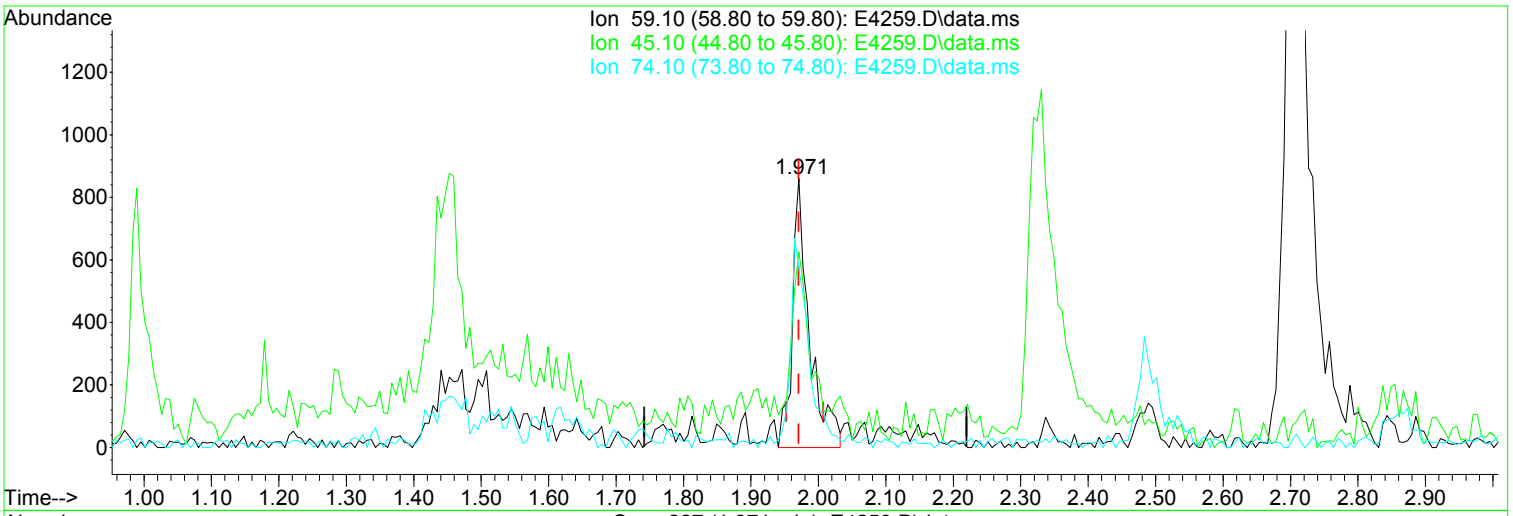


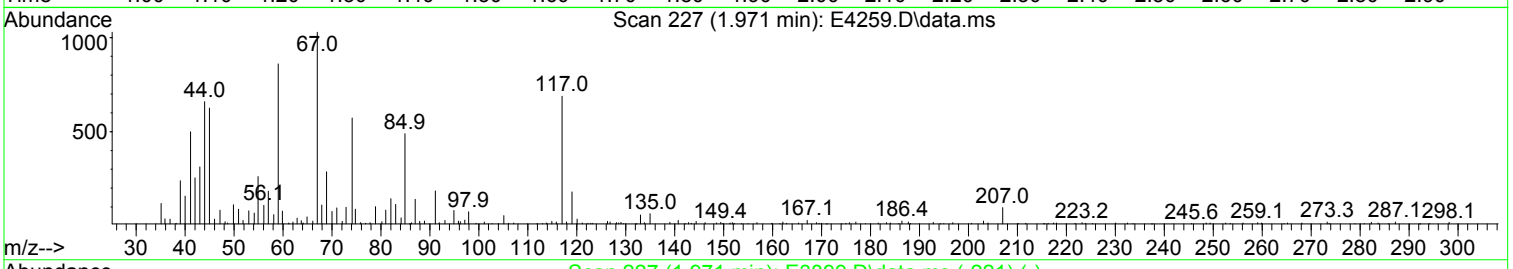
1st 08/05/23
2nd 08/07/23

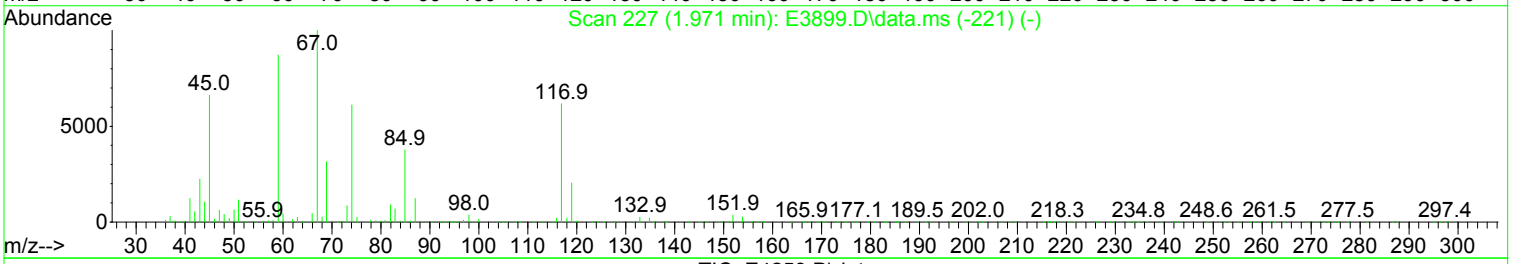
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4259.D
Acq On : 04 Aug 2023 04:24 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : WATER ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 05 09:35:22 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration







TIC: E4259.D\data.ms

(10) Diethyl Ether

1.971min (+ 0.000) 0.62 ug/L m

response 1505

Ion	Exp%	Act%
59.10	100.00	100.00
45.10	76.30	72.67
74.10	70.20	66.63
0.00	0.00	0.00

Manual Integration:

After

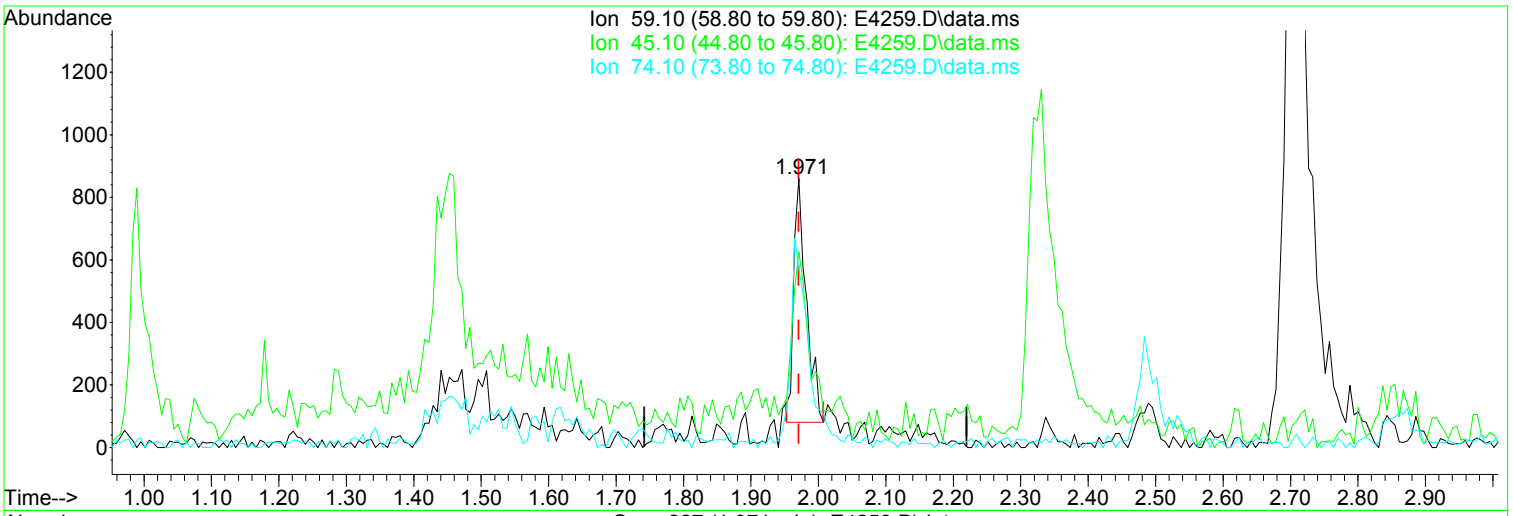
Poor integration.

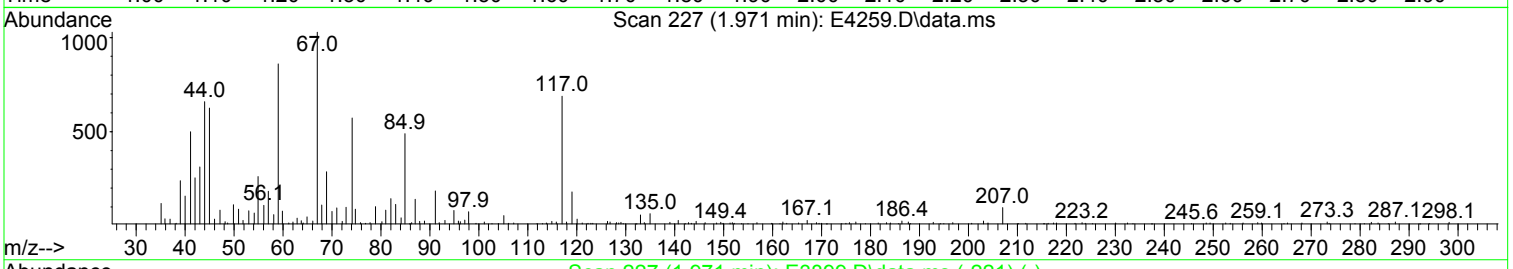
08/05/23

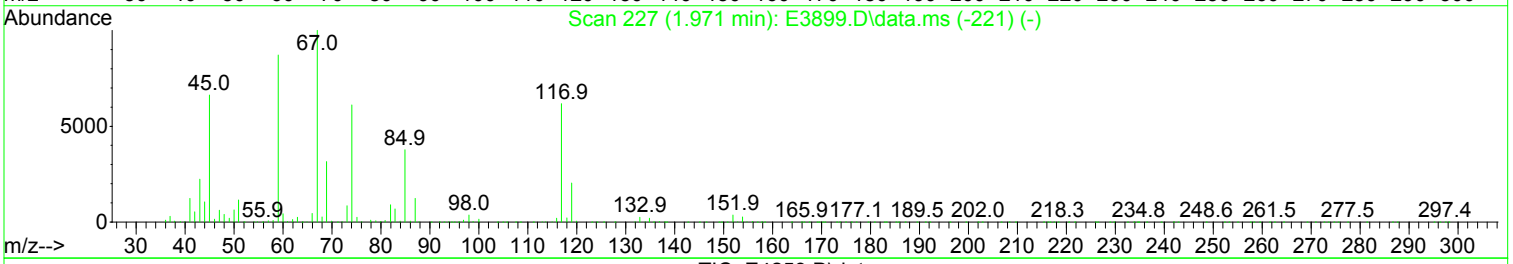
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4259.D
Acq On : 04 Aug 2023 04:24 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : WATER ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 05 09:35:22 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration







TIC: E4259.D\data.ms

(10) Diethyl Ether

1.971min (+ 0.000) 0.41 ug/L

response 996

Ion	Exp%	Act%
59.10	100.00	100.00
45.10	76.30	72.67
74.10	70.20	76.86
0.00	0.00	0.00

Manual Integration:

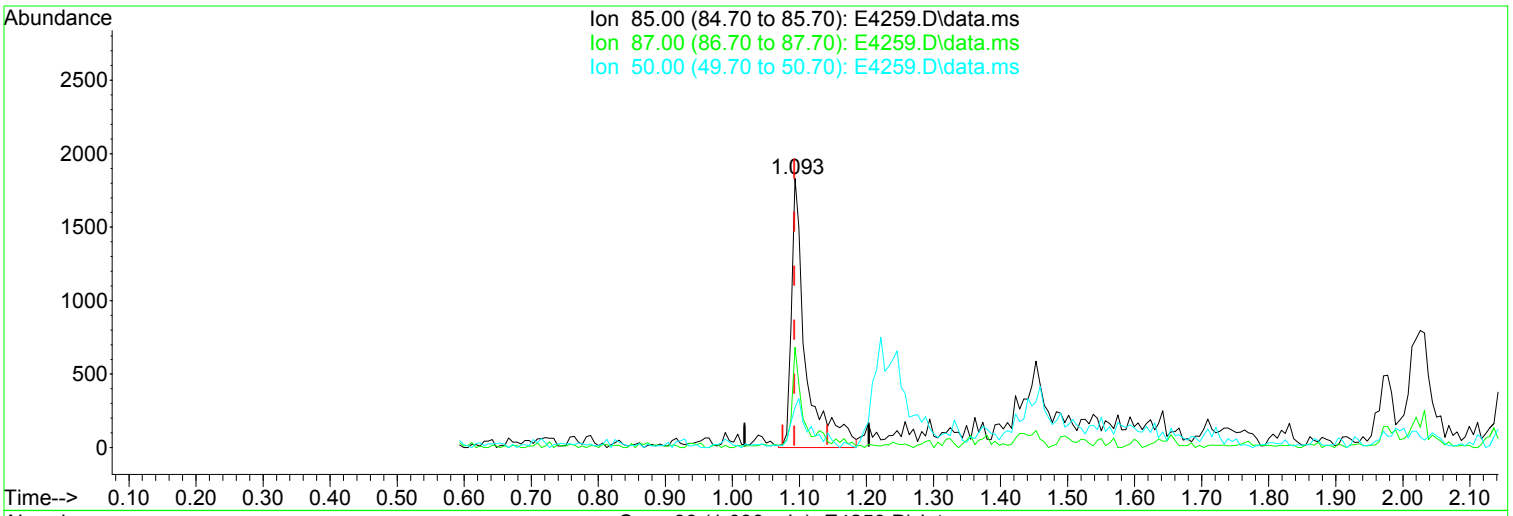
Before

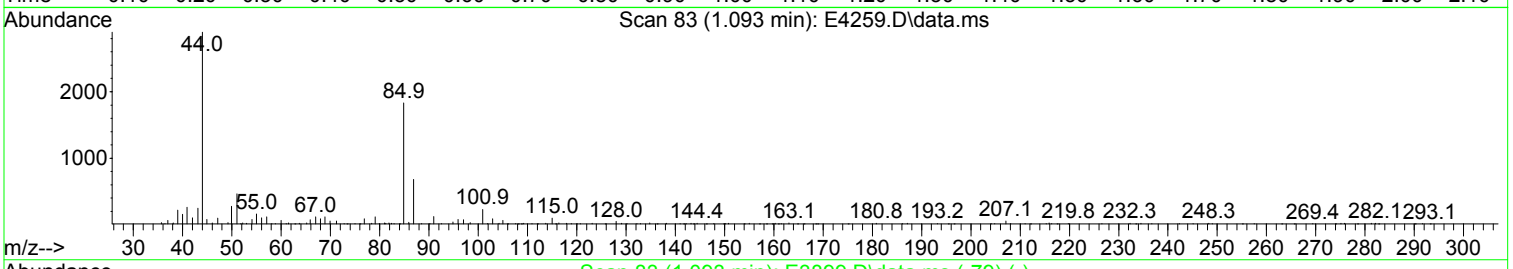
08/05/23

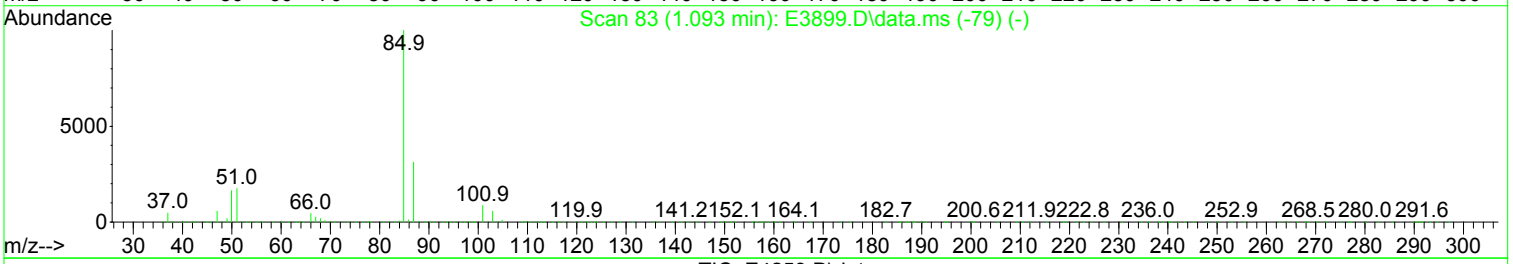
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4259.D
Acq On : 04 Aug 2023 04:24 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : WATER ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 05 09:35:22 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration







TIC: E4259.D\data.ms

(3) Dichlorodifluoromethane (P)

1.093min (+ 0.000) 0.71 ug/L m

response 2731

Ion	Exp%	Act%
85.00	100.00	100.00
87.00	31.30	37.19
50.00	16.40	15.02
0.00	0.00	0.00

Manual Integration:

After

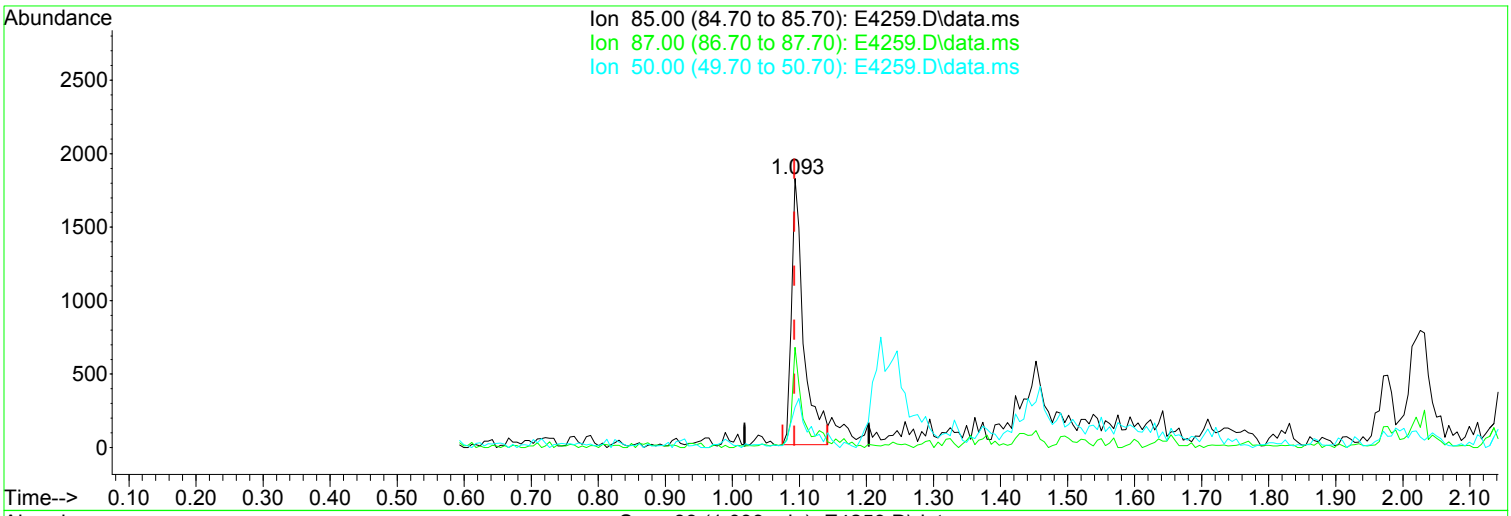
Poor integration.

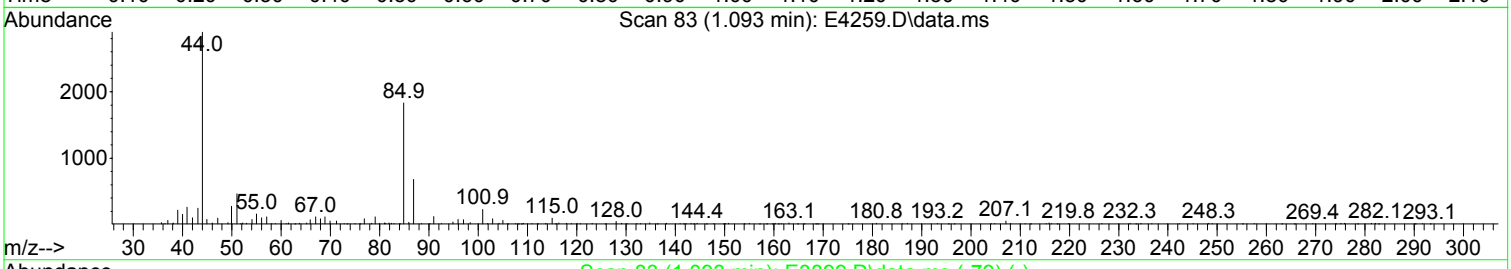
08/05/23

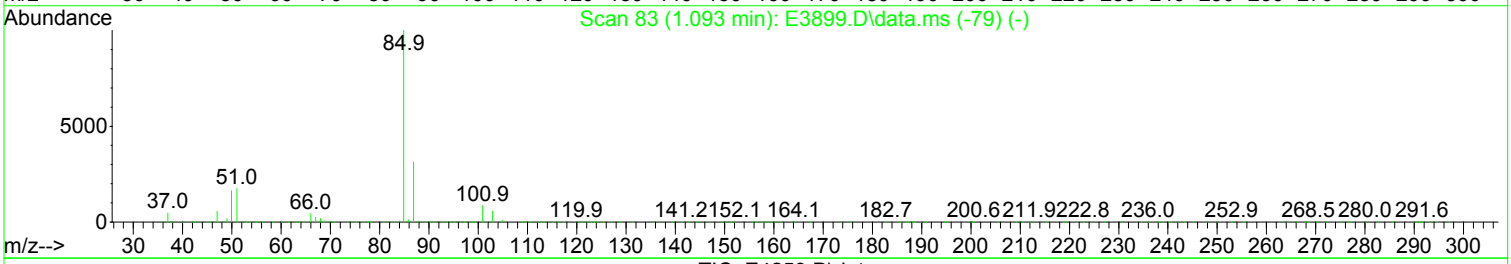
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4259.D
Acq On : 04 Aug 2023 04:24 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : WATER ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 05 09:35:22 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration







TIC: E4259.D\data.ms

(3) Dichlorodifluoromethane (P)

1.093min (+ 0.000) 0.60 ug/L

response 2310

Ion	Exp%	Act%
85.00	100.00	100.00
87.00	31.30	37.19
50.00	16.40	15.02
0.00	0.00	0.00

Manual Integration:

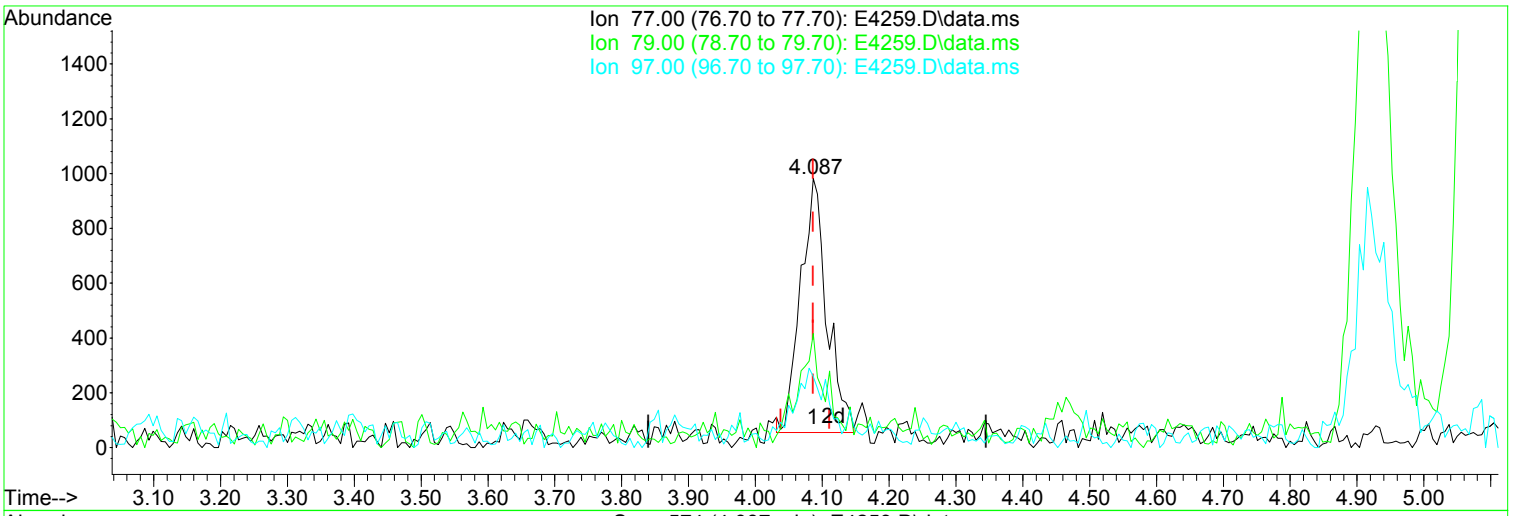
Before

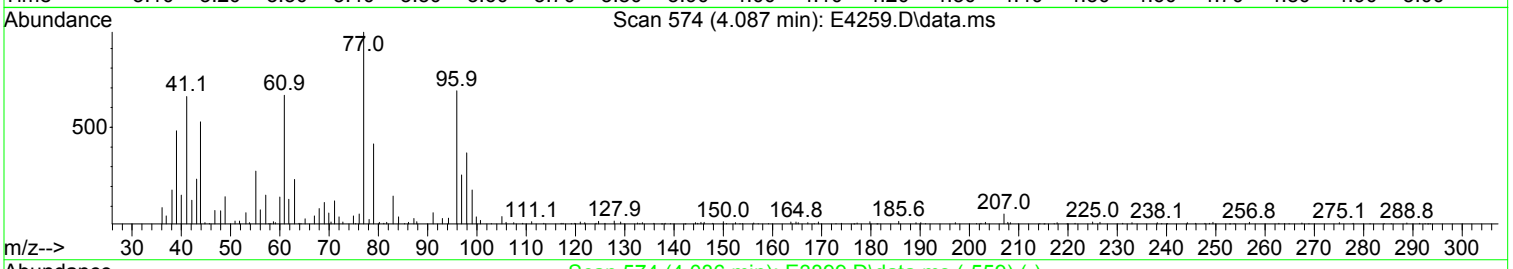
08/05/23

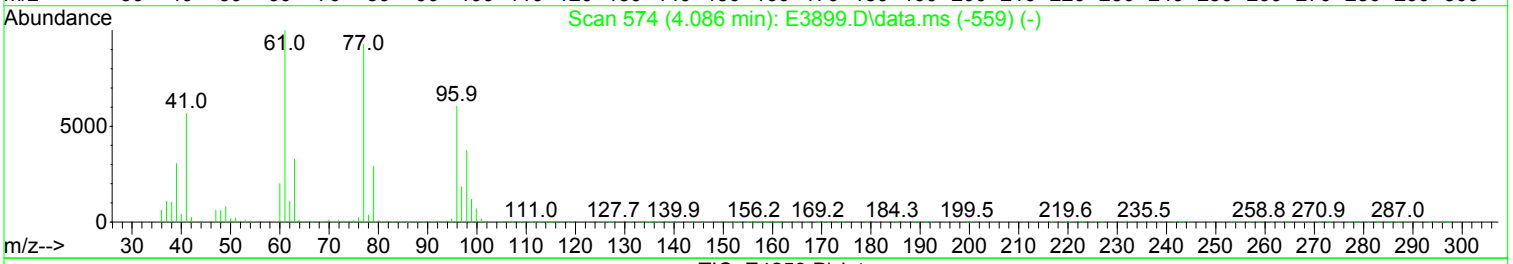
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4259.D
Acq On : 04 Aug 2023 04:24 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : WATER ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 05 09:35:22 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration







TIC: E4259.D\data.ms

(33) 2,2-Dichloropropane

4.087min (+ 0.000) 0.44 ug/L m

response 2516

Ion	Exp%	Act%
77.00	100.00	100.00
79.00	31.40	42.36
97.00	19.80	26.37
0.00	0.00	0.00

Manual Integration:

After

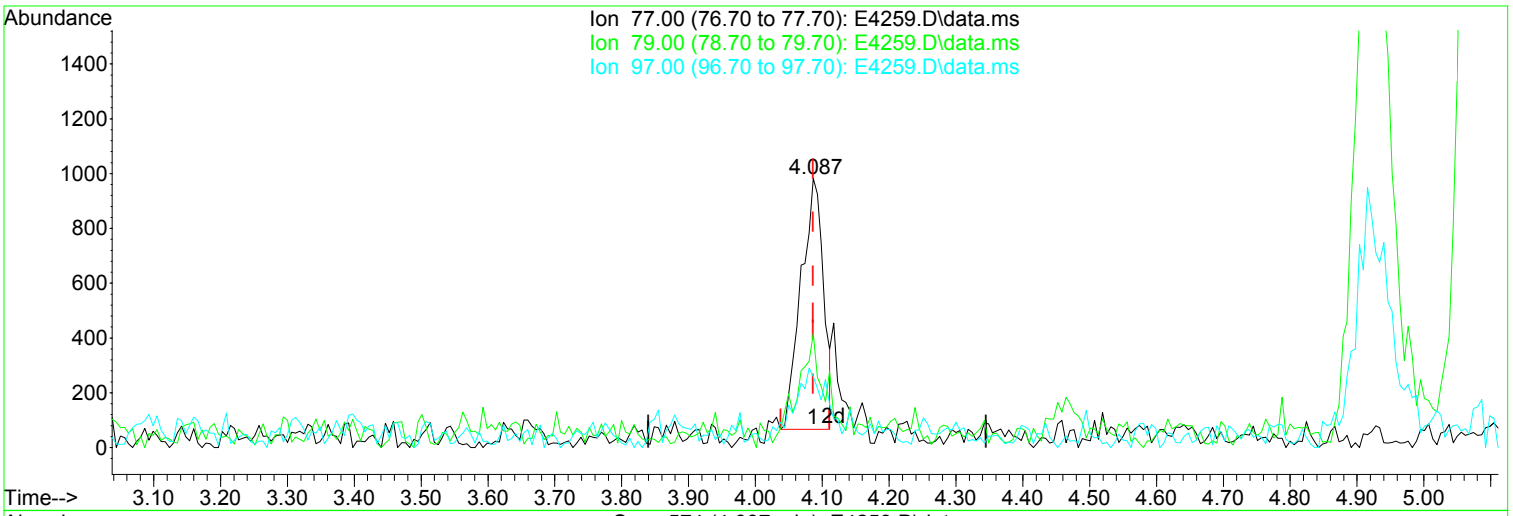
Poor integration.

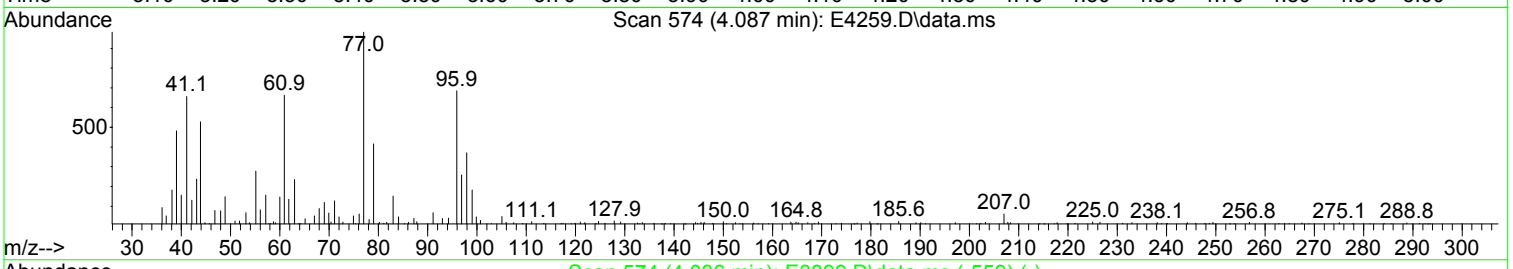
08/05/23

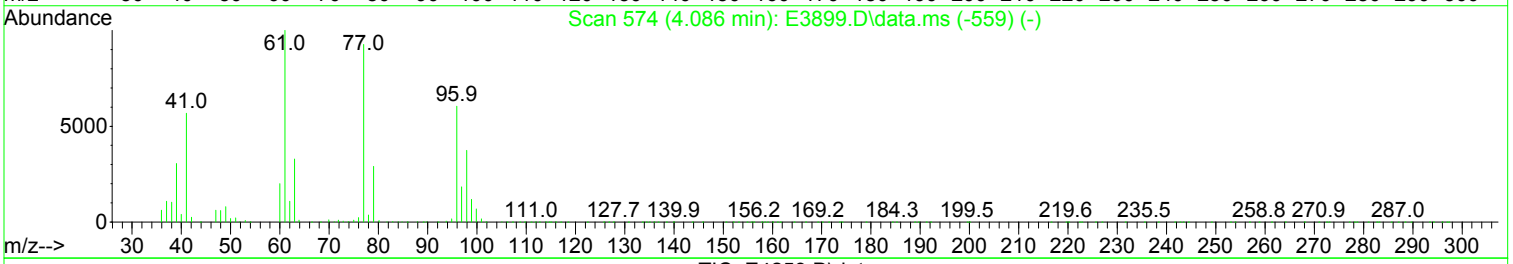
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4259.D
Acq On : 04 Aug 2023 04:24 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : WATER ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 05 09:35:22 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration







TIC: E4259.D\data.ms

(33) 2,2-Dichloropropane

4.087min (+ 0.000) 0.37 ug/L

response 2126

Ion	Exp%	Act%
77.00	100.00	100.00
79.00	31.40	42.36
97.00	19.80	26.37
0.00	0.00	0.00

Manual Integration:

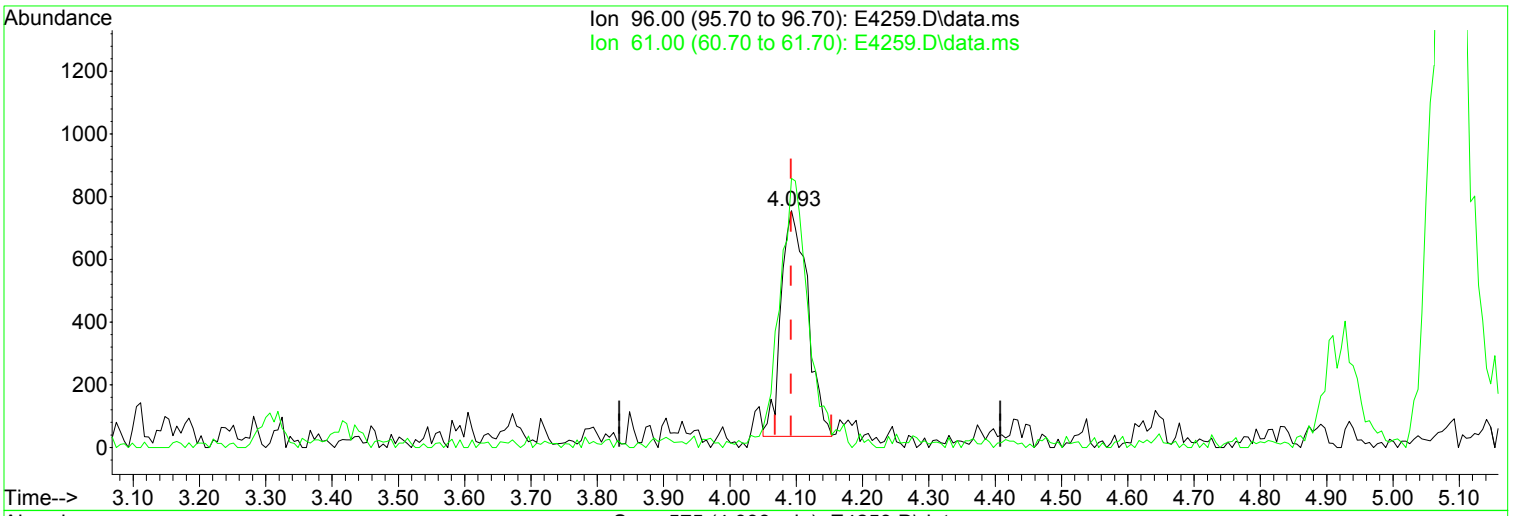
Before

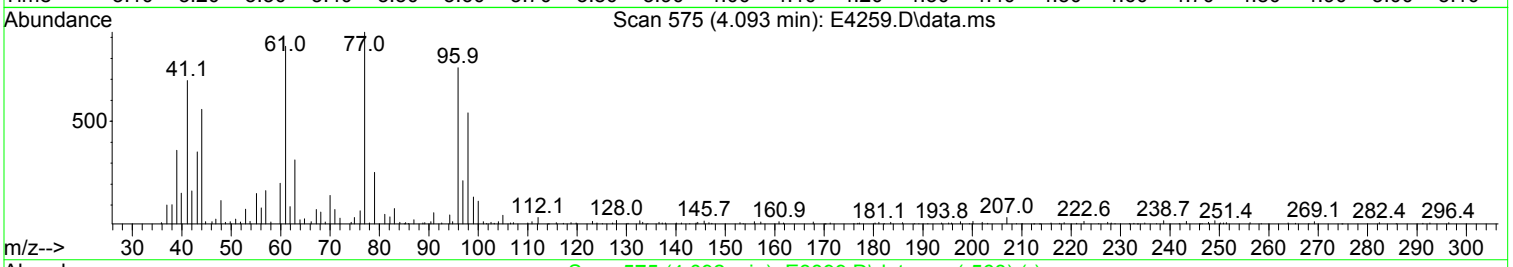
08/05/23

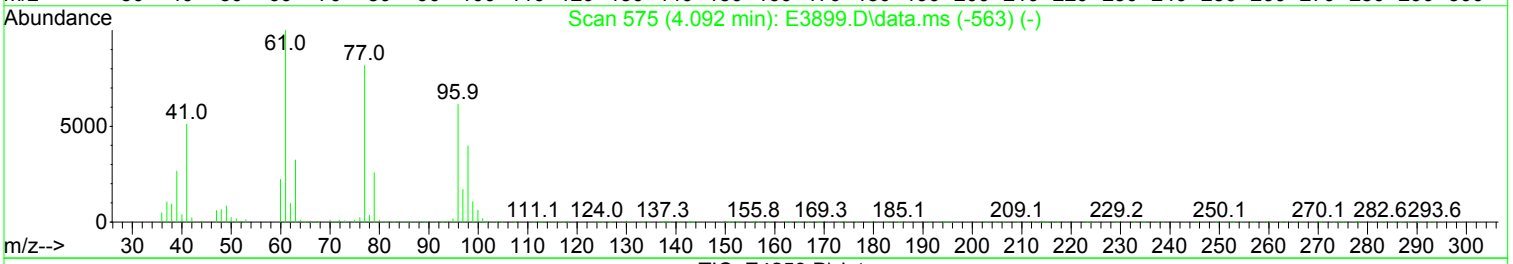
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4259.D
Acq On : 04 Aug 2023 04:24 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : WATER ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 05 09:35:22 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration







TIC: E4259.D\data.ms

(34) cis-1,2-Dichloroethene (P)

4.093min (+ 0.000) 0.58 ug/L m

response 2003

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	162.80	113.64#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

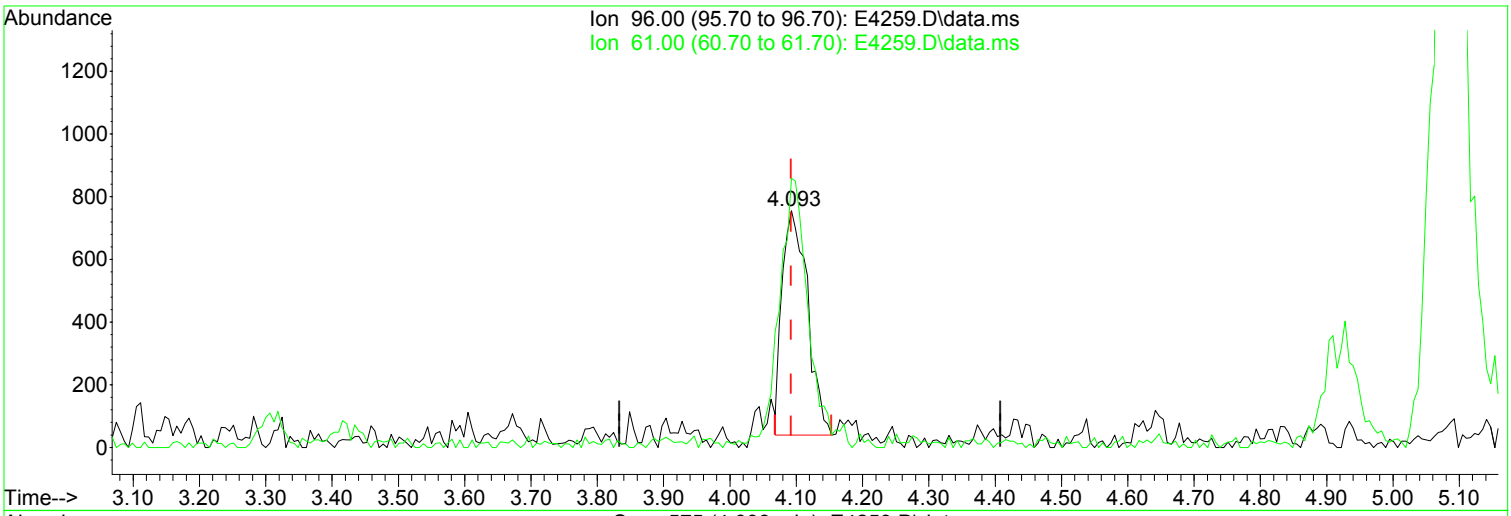
Poor integration.

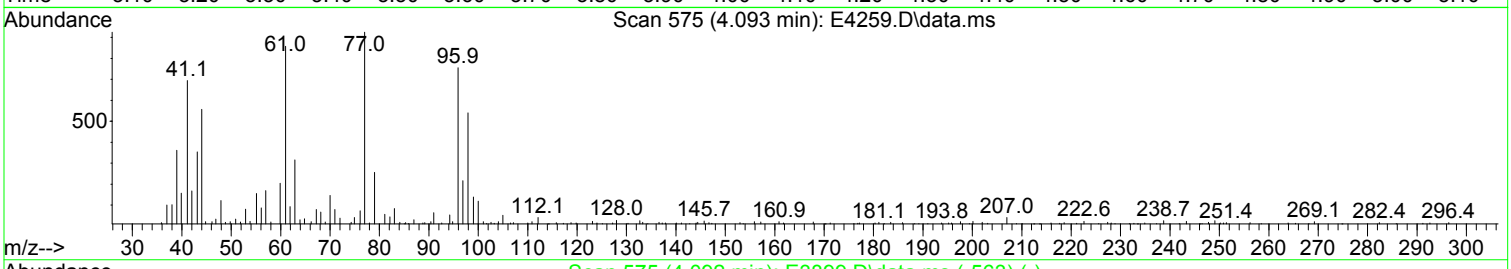
08/05/23

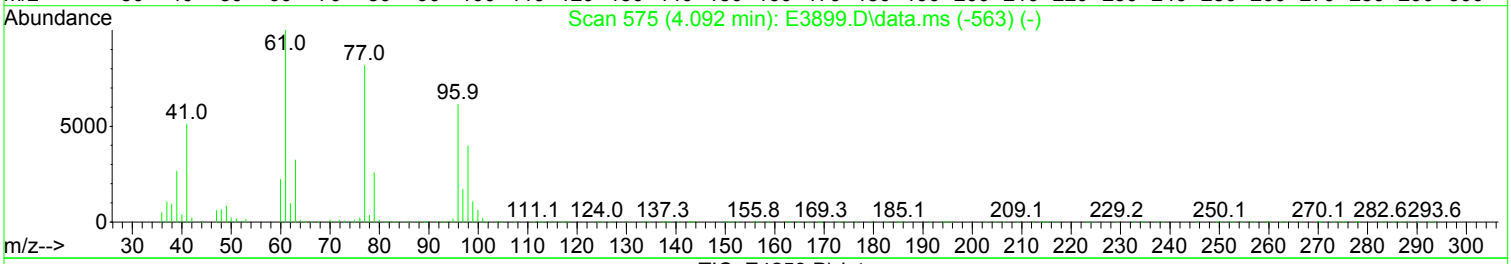
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4259.D
Acq On : 04 Aug 2023 04:24 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : WATER ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 05 09:35:22 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration







TIC: E4259.D\data.ms

(34) cis-1,2-Dichloroethene (P)

4.093min (+ 0.000) 0.55 ug/L

response 1900

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	162.80	113.64#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

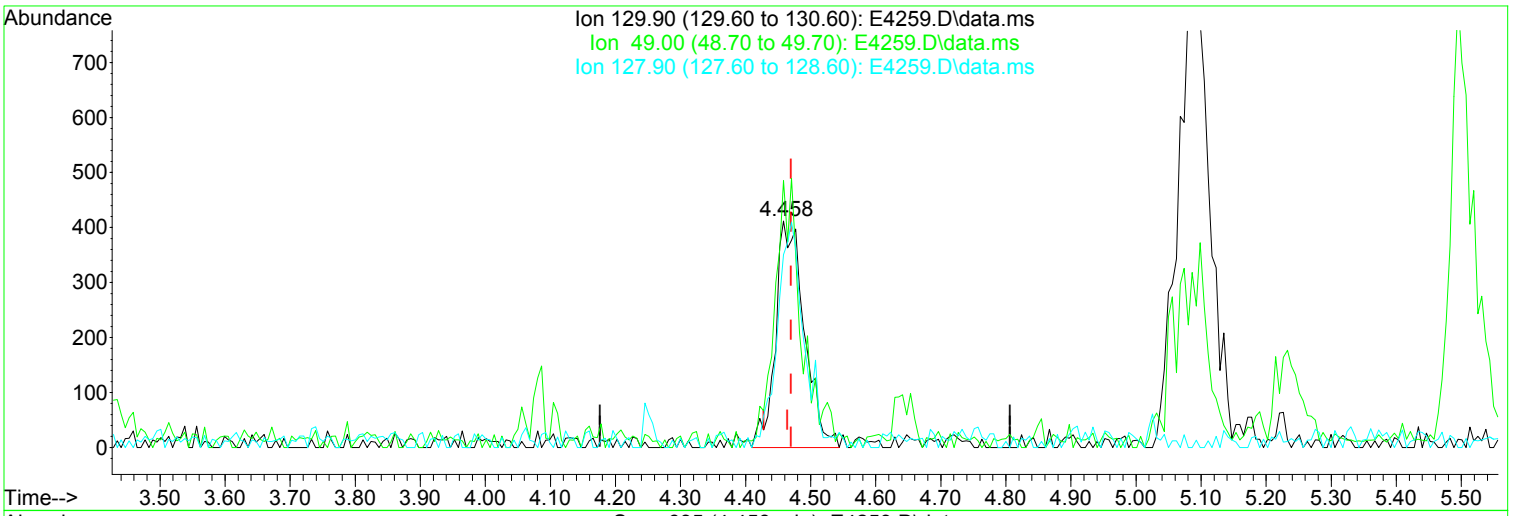
Before

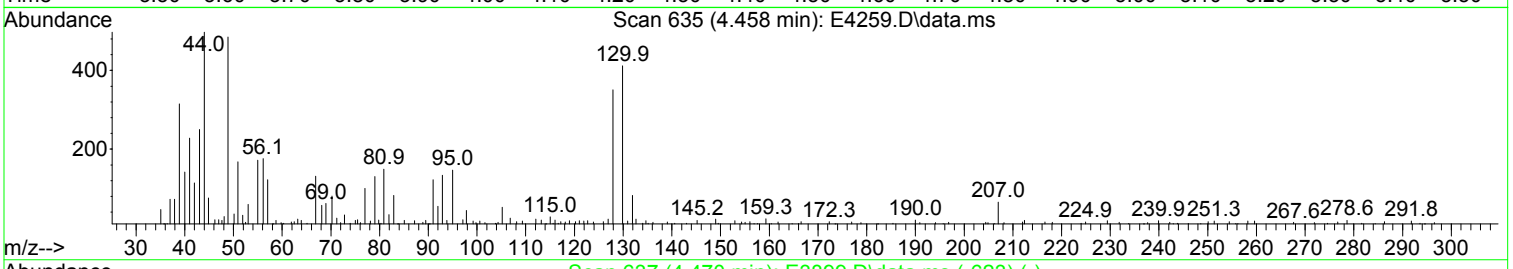
08/05/23

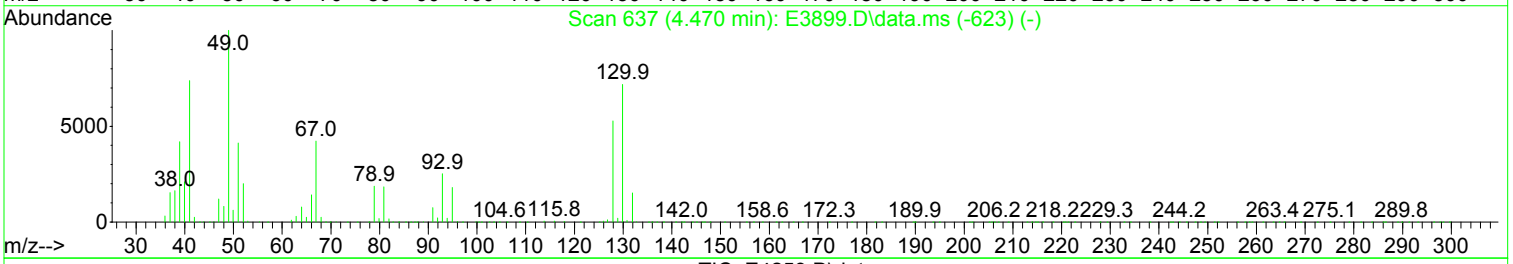
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4259.D
Acq On : 04 Aug 2023 04:24 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : WATER ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 05 09:35:22 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration







TIC: E4259.D\data.ms

(37) Bromochloromethane

4.458min (-0.012) 0.60 ug/L m

response 1266

Ion	Exp%	Act%
129.90	100.00	100.00
49.00	139.30	117.72#
127.90	73.60	85.19
0.00	0.00	0.00

Manual Integration:

After

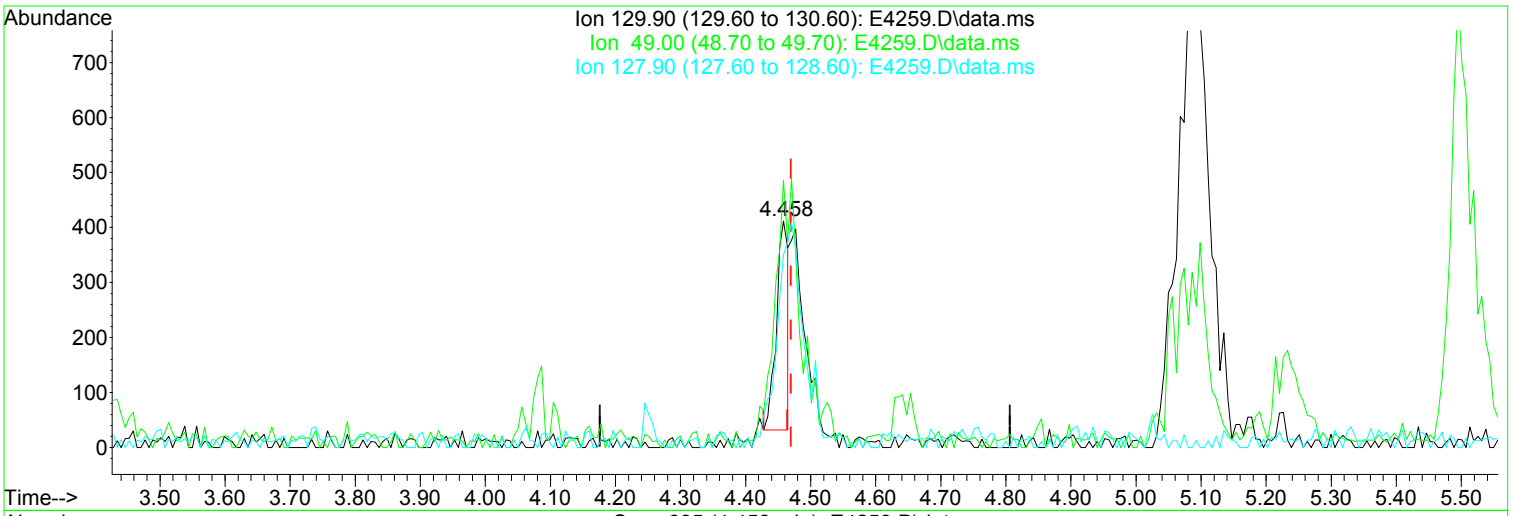
Split Peak.

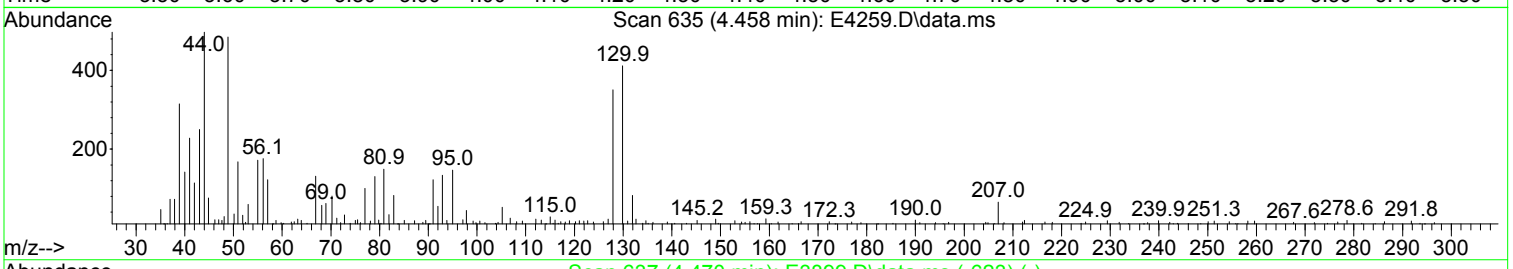
08/05/23

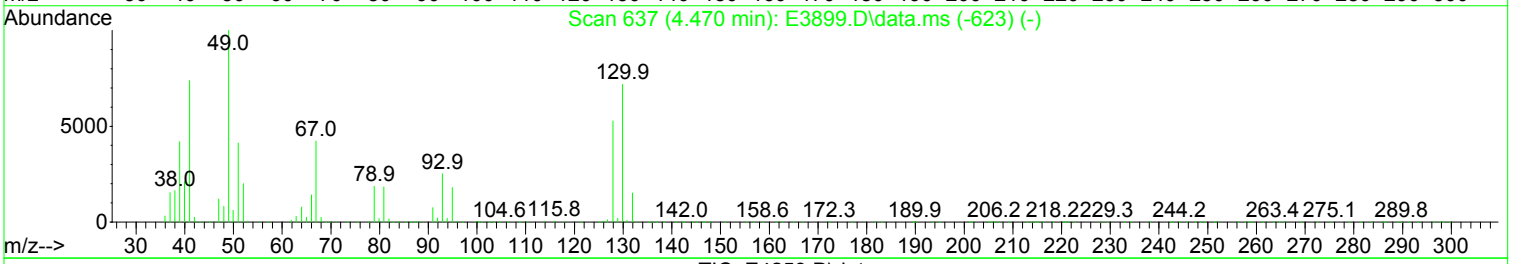
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4259.D
Acq On : 04 Aug 2023 04:24 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : WATER ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 05 09:35:22 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration







TIC: E4259.D\data.ms

(37) Bromochloromethane

4.458min (-0.012) 0.23 ug/L

response 479

Ion	Exp%	Act%
129.90	100.00	100.00
49.00	139.30	117.72#
127.90	73.60	85.19
0.00	0.00	0.00

Manual Integration:

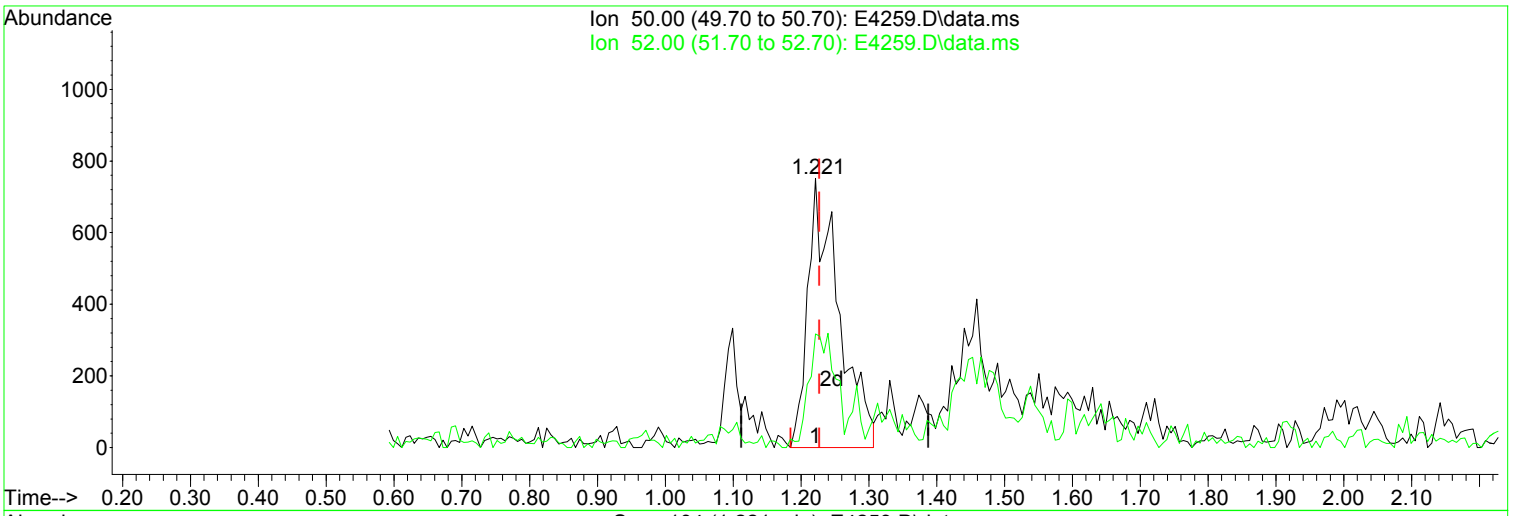
Before

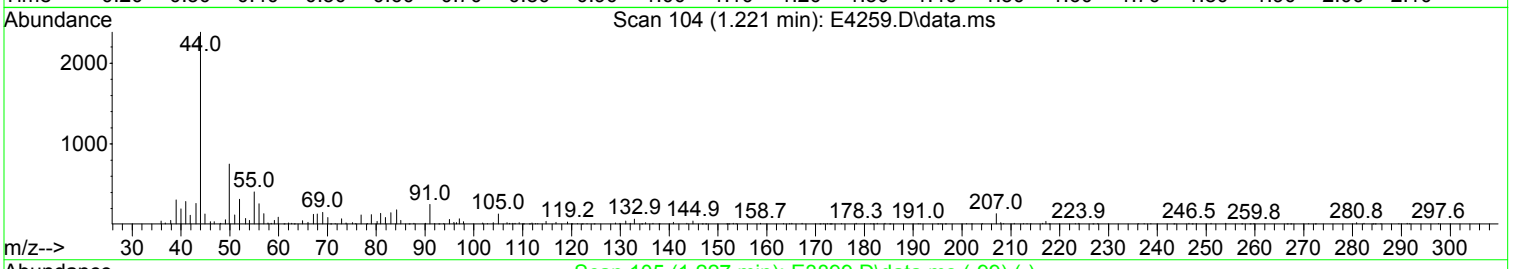
08/05/23

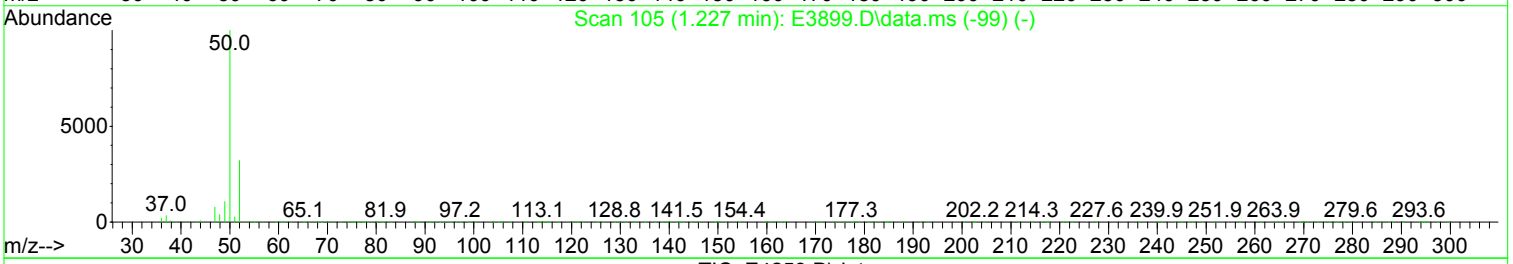
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4259.D
Acq On : 04 Aug 2023 04:24 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : WATER ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 05 09:35:22 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration







TIC: E4259.D\data.ms

(4) Chloromethane (P)

1.221min (-0.006) 0.81 ug/L m

response 2379

Ion	Exp%	Act%
50.00	100.00	100.00
52.00	32.00	42.21
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

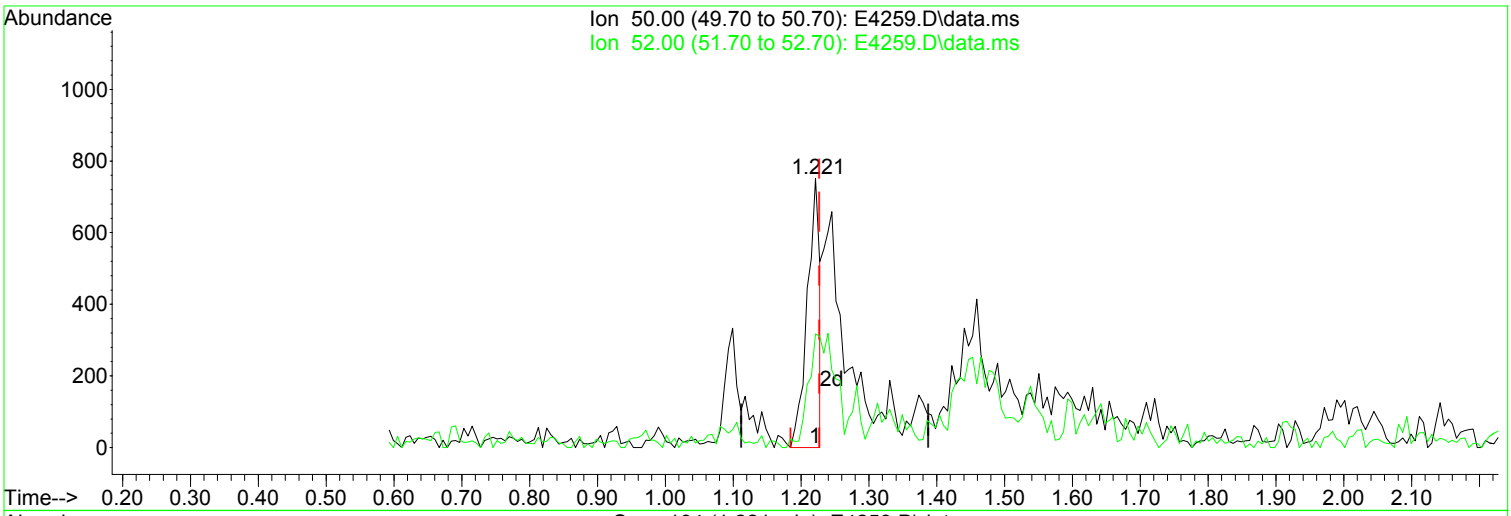
Split Peak.

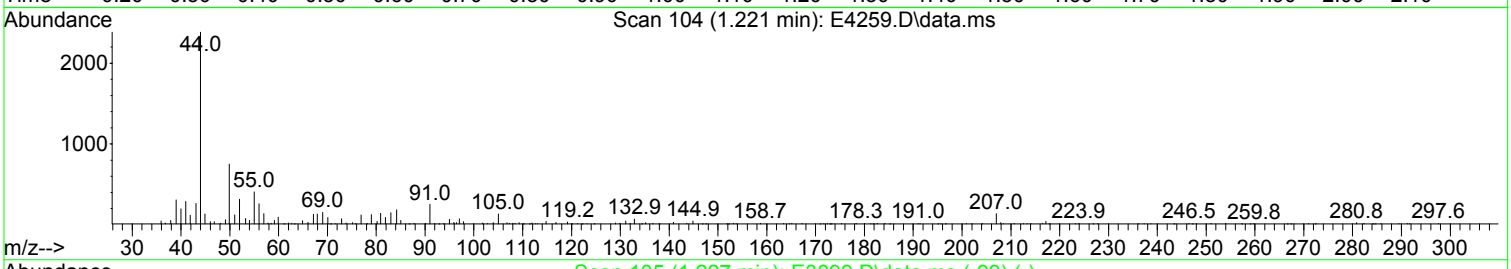
08/05/23

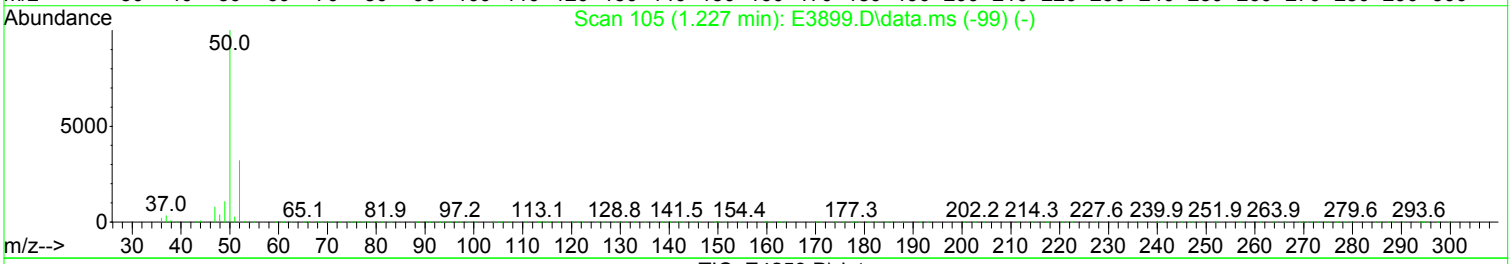
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4259.D
Acq On : 04 Aug 2023 04:24 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : WATER ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 05 09:35:22 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration







TIC: E4259.D\data.ms

(4) Chloromethane (P)

1.221min (-0.006) 0.32 ug/L

response 947

Ion	Exp%	Act%
50.00	100.00	100.00
52.00	32.00	42.21
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

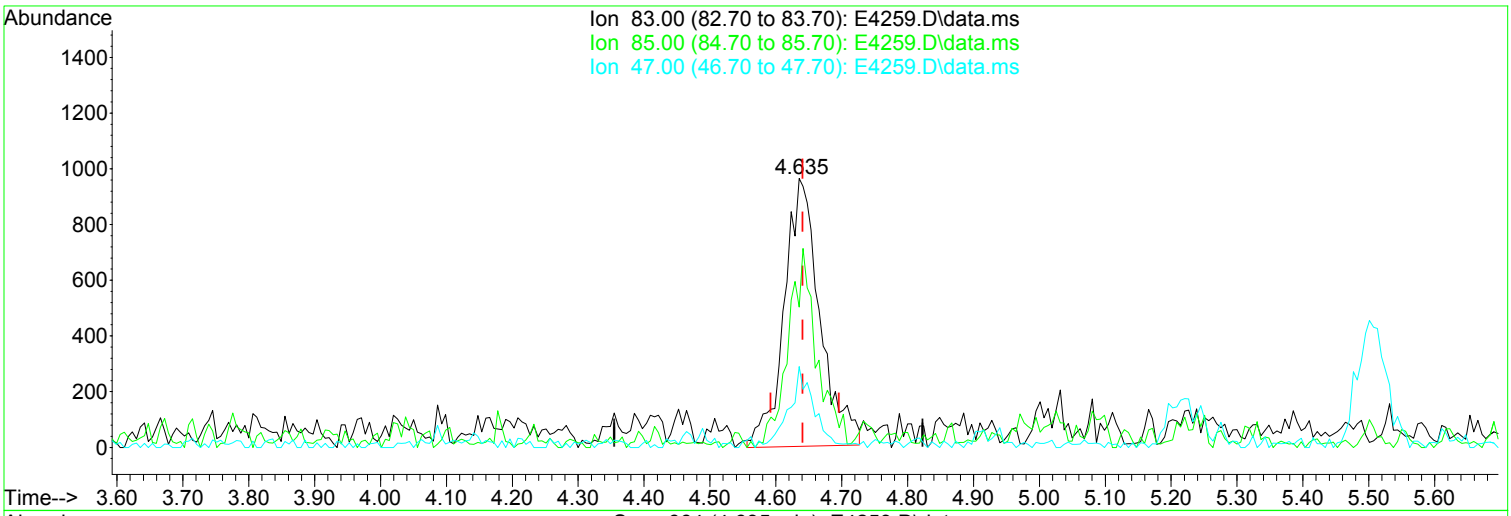
Before

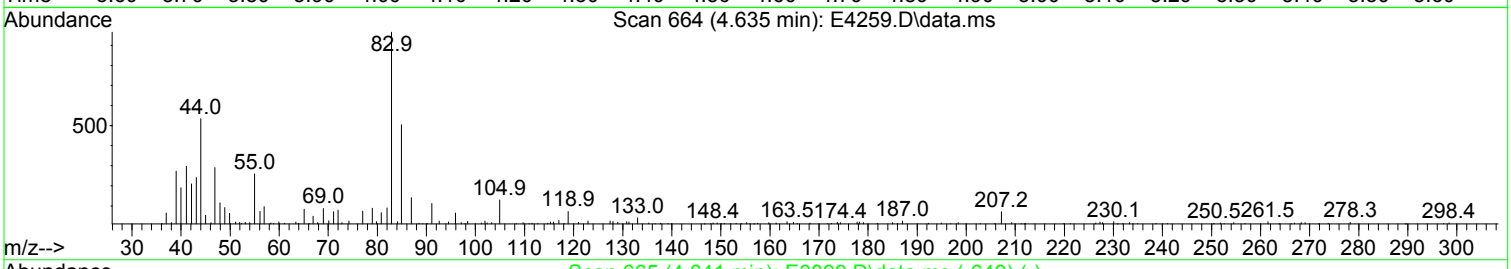
08/05/23

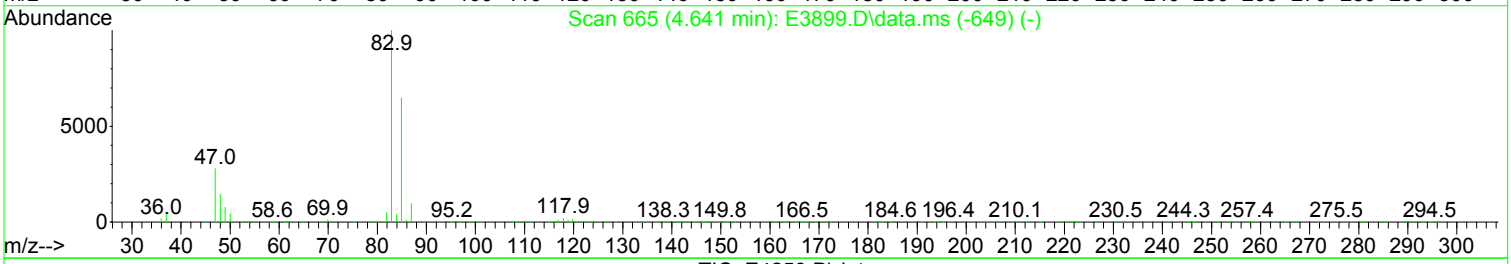
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4259.D
Acq On : 04 Aug 2023 04:24 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : WATER ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 05 09:35:22 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration







TIC: E4259.D\data.ms

(40) Chloroform (P)

4.635min (-0.006) 0.66 ug/L m

response 3620

Ion	Exp%	Act%
83.00	100.00	100.00
85.00	64.70	52.23
47.00	28.30	30.05
0.00	0.00	0.00

Manual Integration:

After

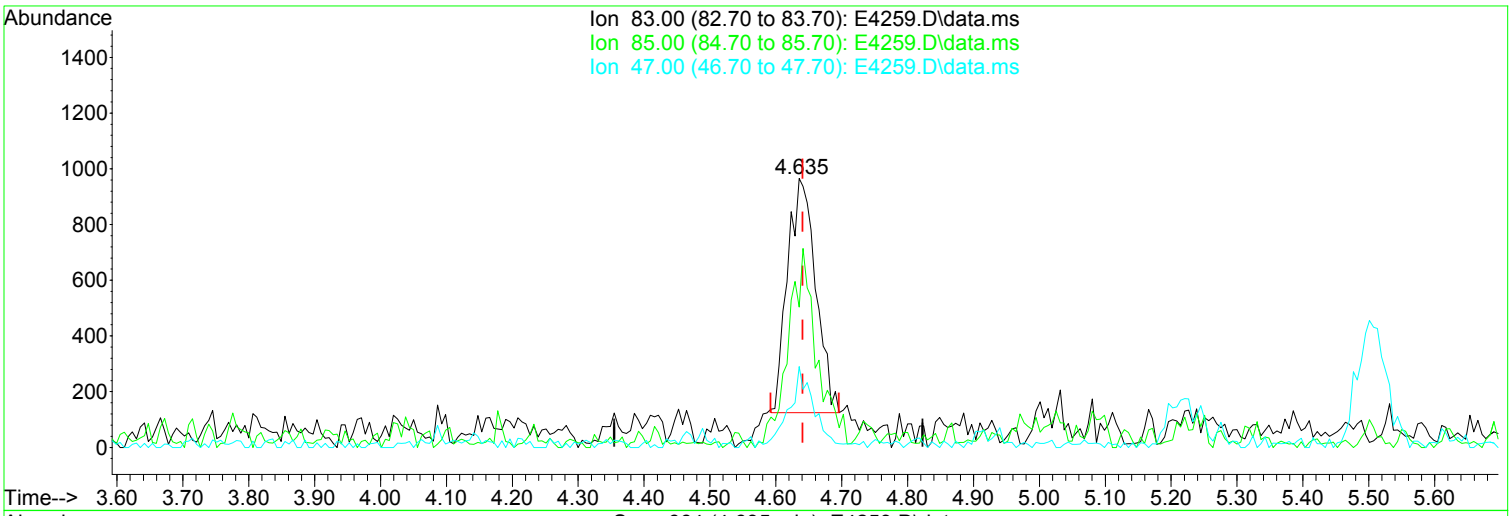
Poor integration.

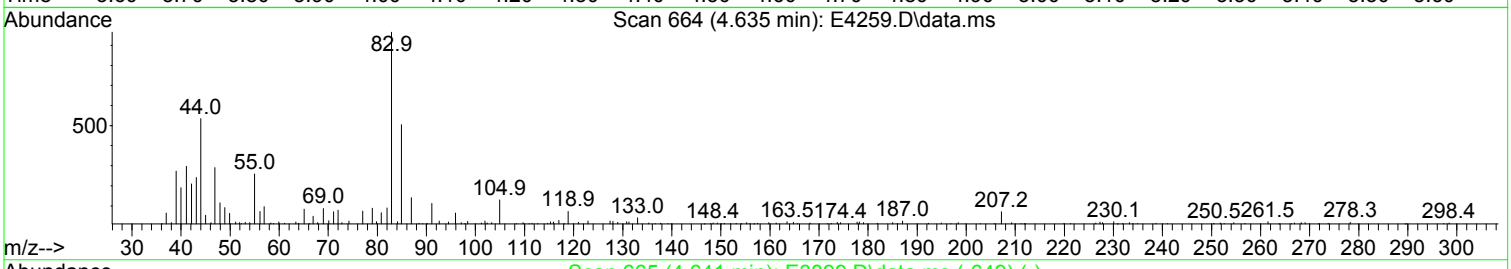
08/05/23

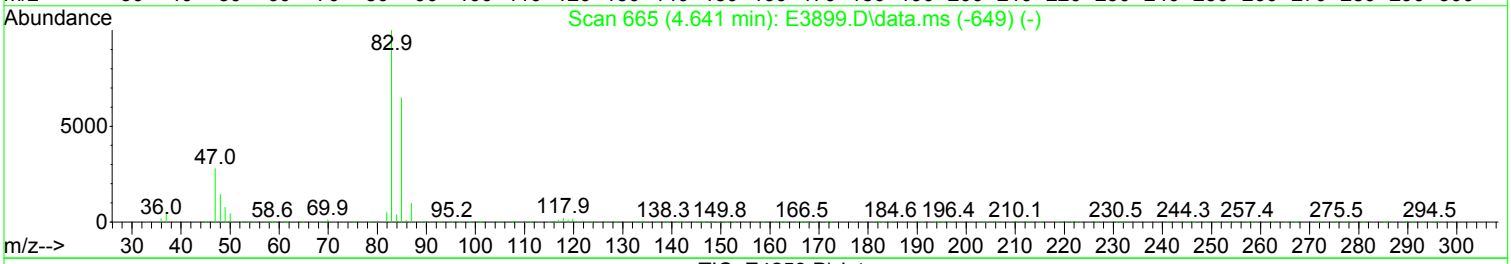
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4259.D
Acq On : 04 Aug 2023 04:24 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : WATER ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 05 09:35:22 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration







TIC: E4259.D\data.ms

(40) Chloroform (P)

4.635min (-0.006) 0.45 ug/L

response 2487

Ion	Exp%	Act%
83.00	100.00	100.00
85.00	64.70	52.23
47.00	28.30	30.05
0.00	0.00	0.00

Manual Integration:

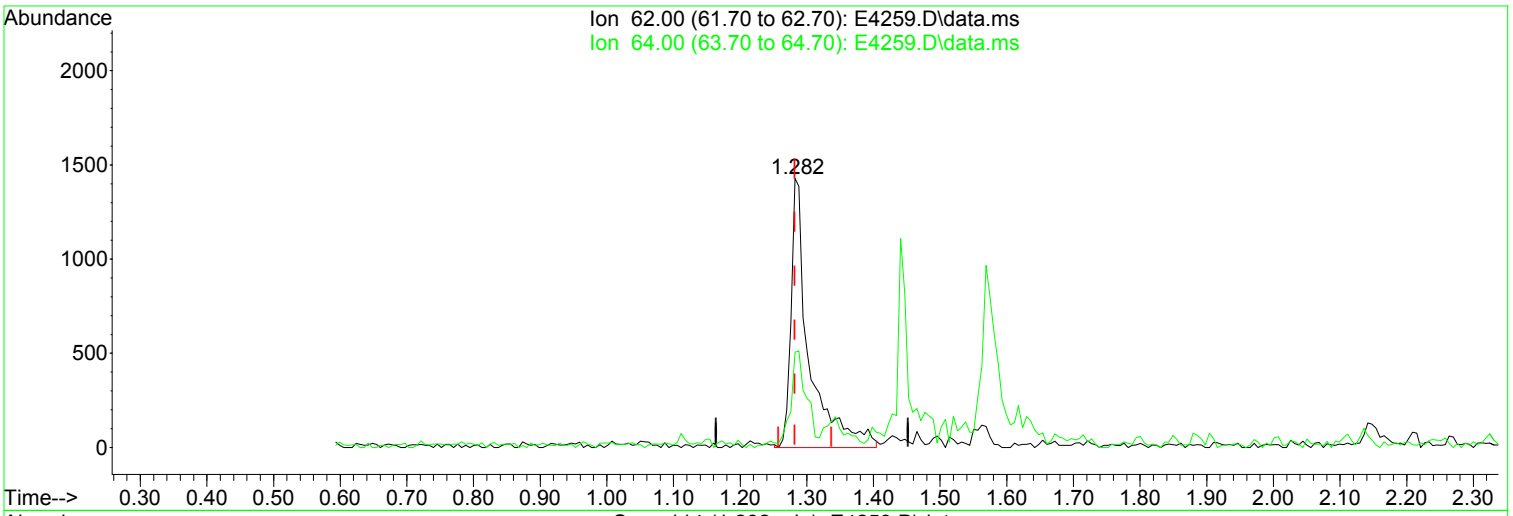
Before

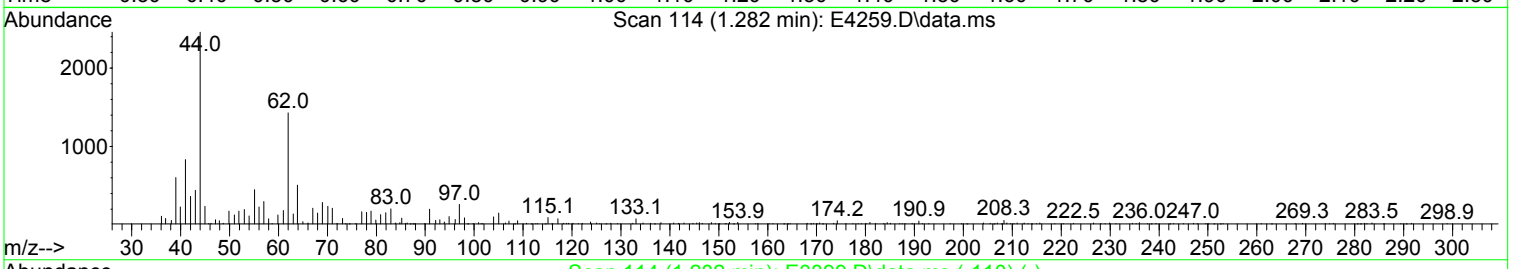
08/05/23

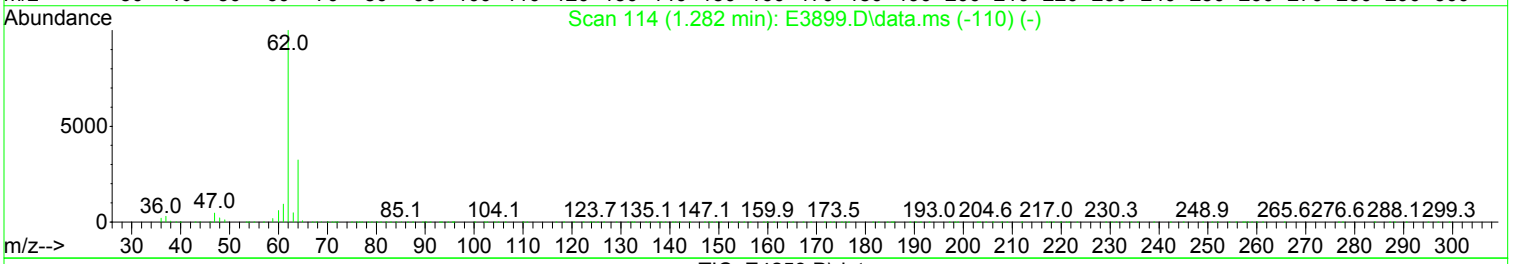
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4259.D
Acq On : 04 Aug 2023 04:24 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : WATER ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 05 09:35:22 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration







TIC: E4259.D\data.ms

(5) Vinyl Chloride (P)

1.282min (+ 0.000) 0.68 ug/L m

response 2714

Ion	Exp%	Act%
62.00	100.00	100.00
64.00	32.40	35.43
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

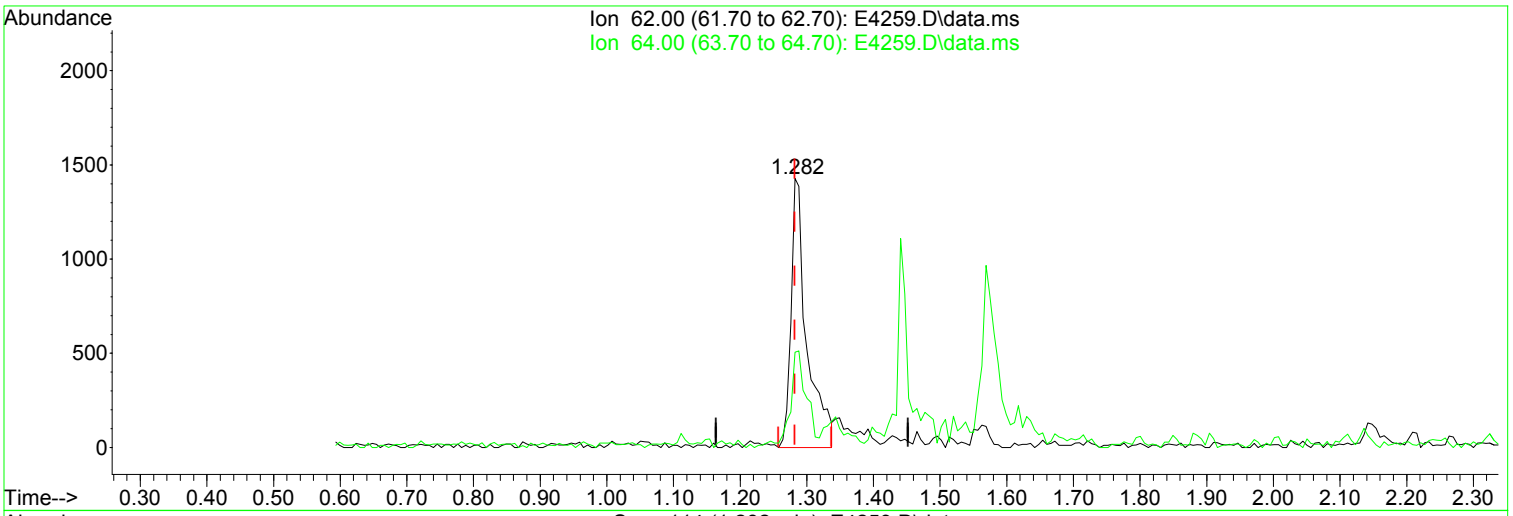
Poor integration.

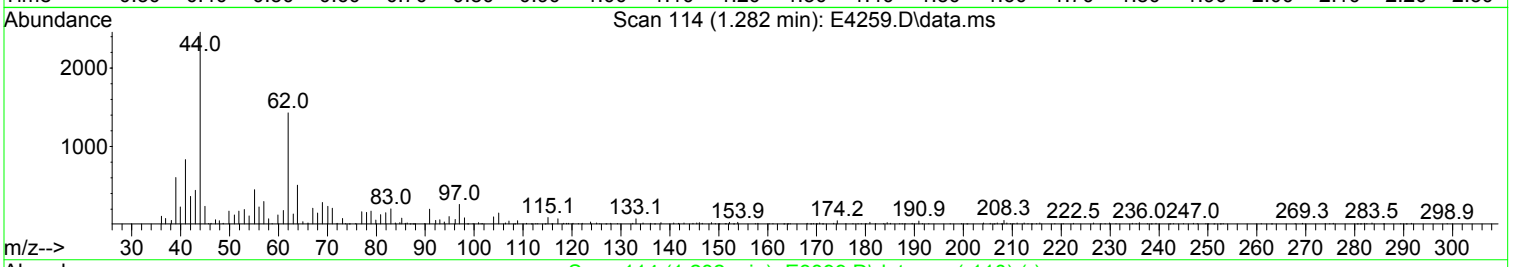
08/05/23

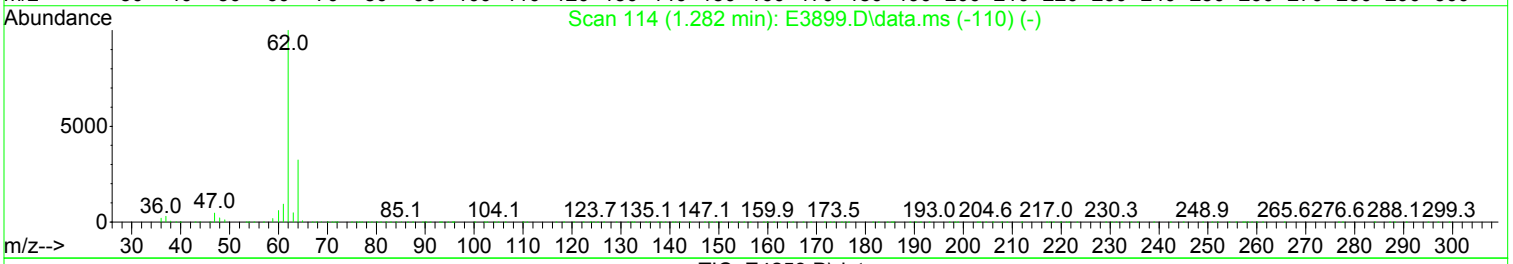
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4259.D
Acq On : 04 Aug 2023 04:24 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : WATER ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 05 09:35:22 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration







TIC: E4259.D\data.ms

(5) Vinyl Chloride (P)

1.282min (+ 0.000) 0.59 ug/L

response 2349

Ion	Exp%	Act%
62.00	100.00	100.00
64.00	32.40	35.43
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

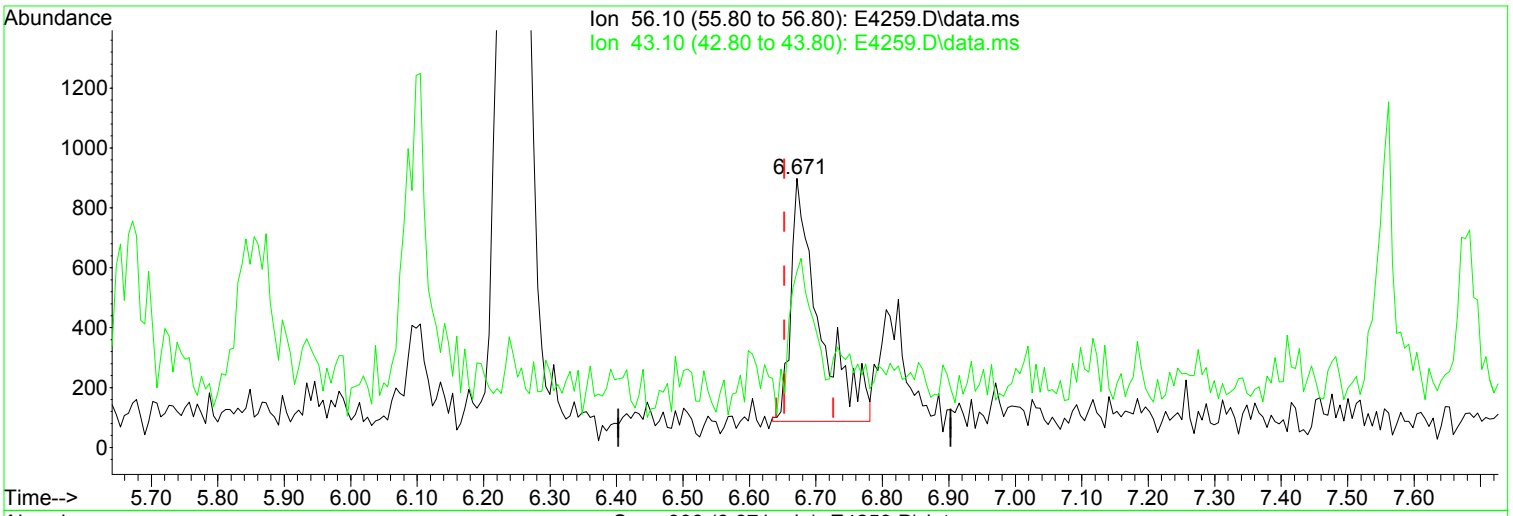
Before

08/05/23

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4259.D
Acq On : 04 Aug 2023 04:24 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : WATER ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 05 09:35:22 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration



TIC: E4259.D\data.ms

(53) 1-Butanol

6.671min (+ 0.019) 20.69 ug/L m

response 2413

Ion	Exp%	Act%
56.10	100.00	100.00
43.10	61.10	65.37
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

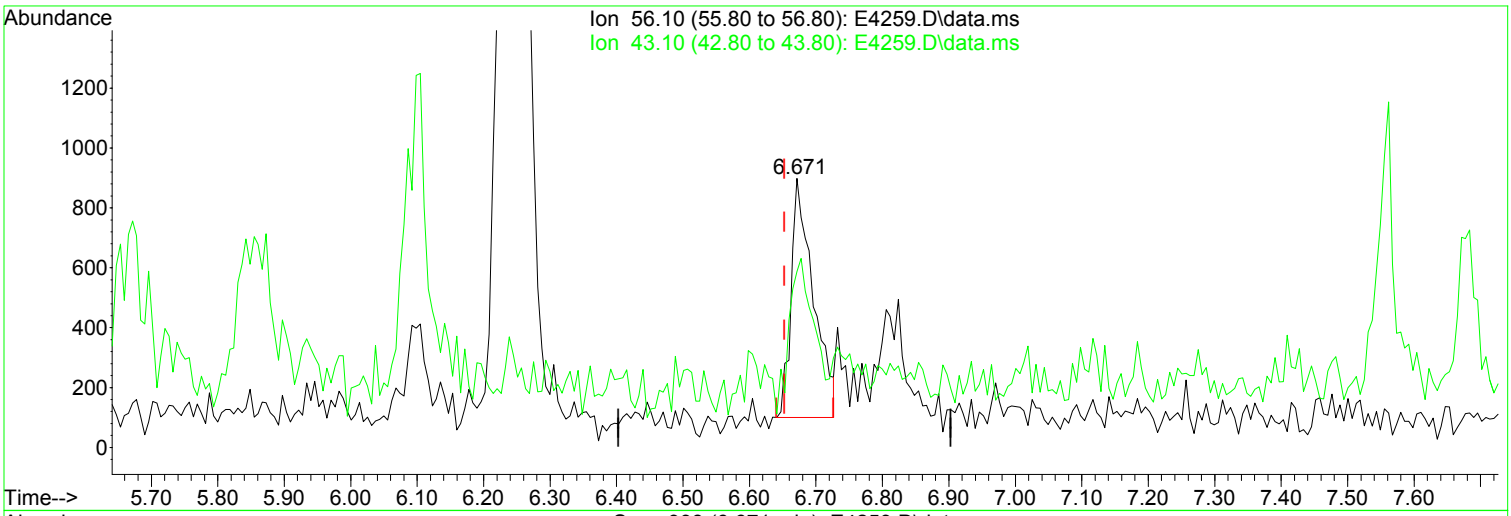
Poor integration.

08/05/23

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4259.D
Acq On : 04 Aug 2023 04:24 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : WATER ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 05 09:35:22 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration



TIC: E4259.D\data.ms

(53) 1-Butanol

6.671min (+ 0.019) 15.87 ug/L

response 1851

Ion	Exp%	Act%
56.10	100.00	100.00
43.10	61.10	65.37
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

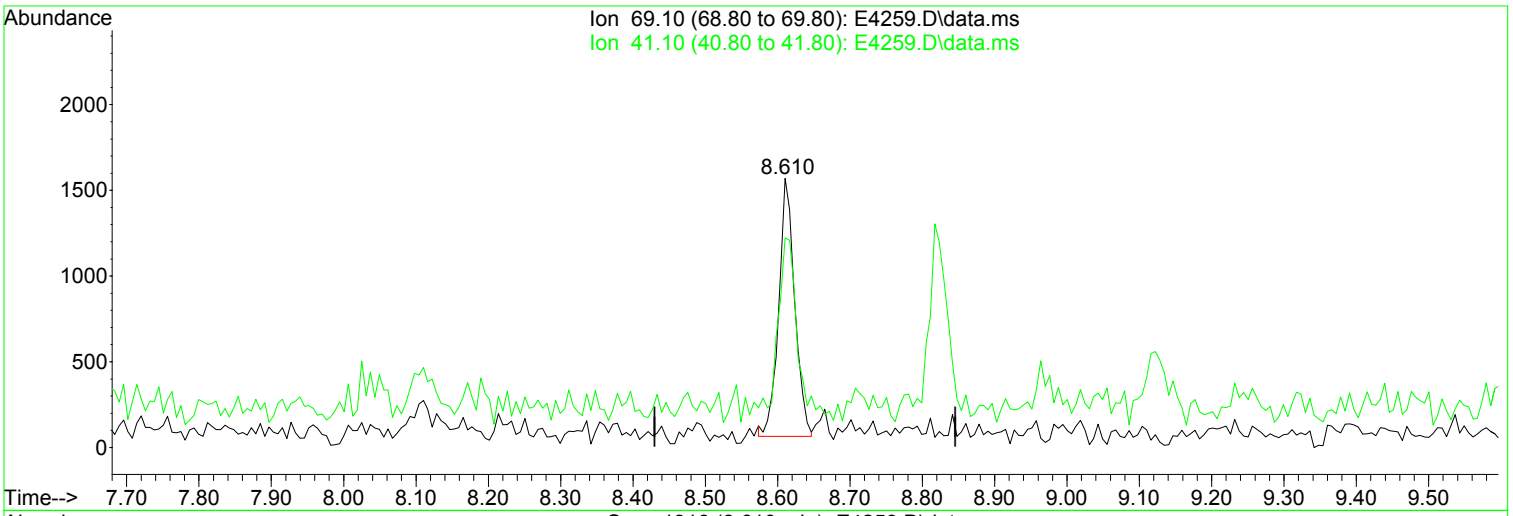
Before

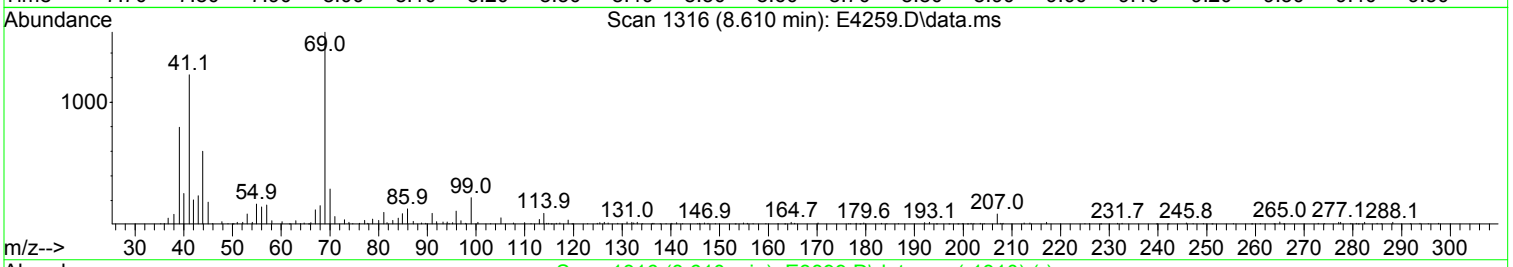
08/05/23

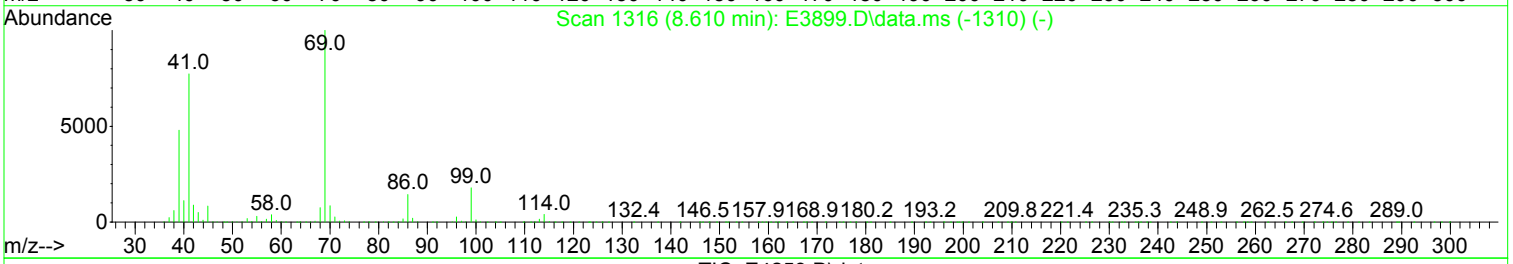
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4259.D
Acq On : 04 Aug 2023 04:24 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : WATER ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 05 09:35:22 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration







TIC: E4259.D\data.ms

(68) Ethyl Methacrylate

8.610min (+ 0.000) 0.43 ug/L m

response 2302

Ion	Exp%	Act%
69.10	100.00	100.00
41.10	77.40	77.88
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

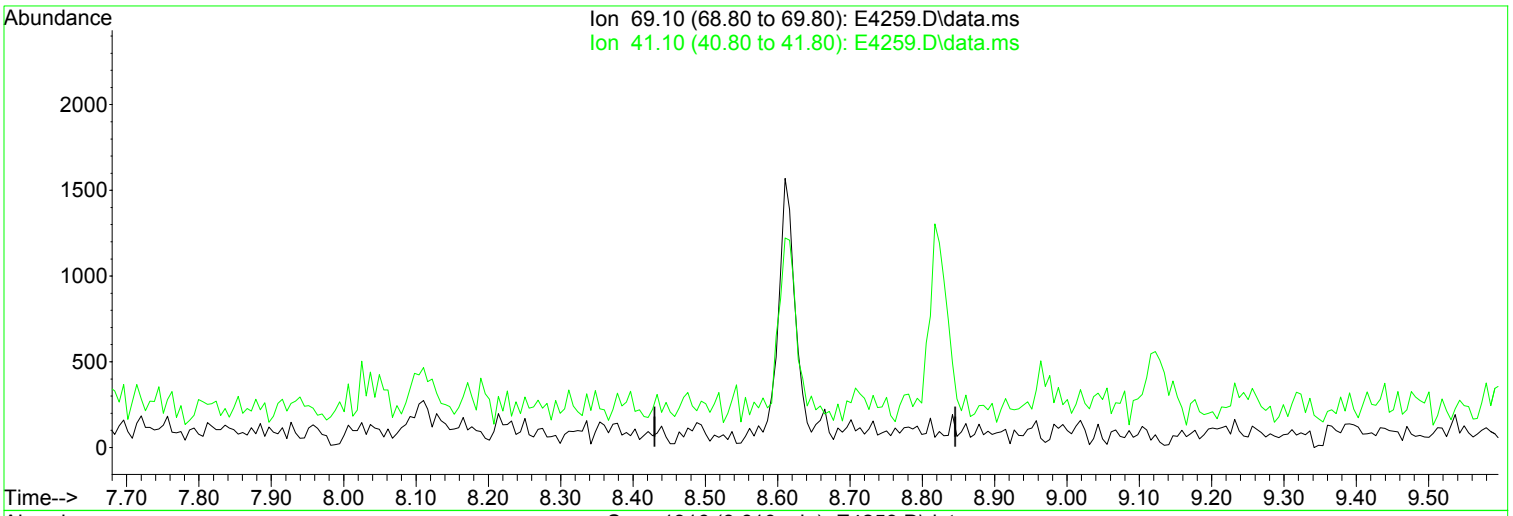
Peak not found.

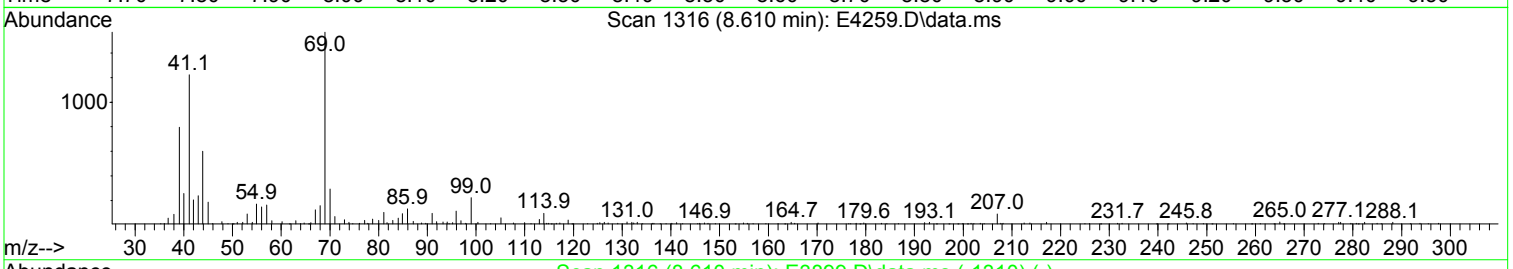
08/05/23

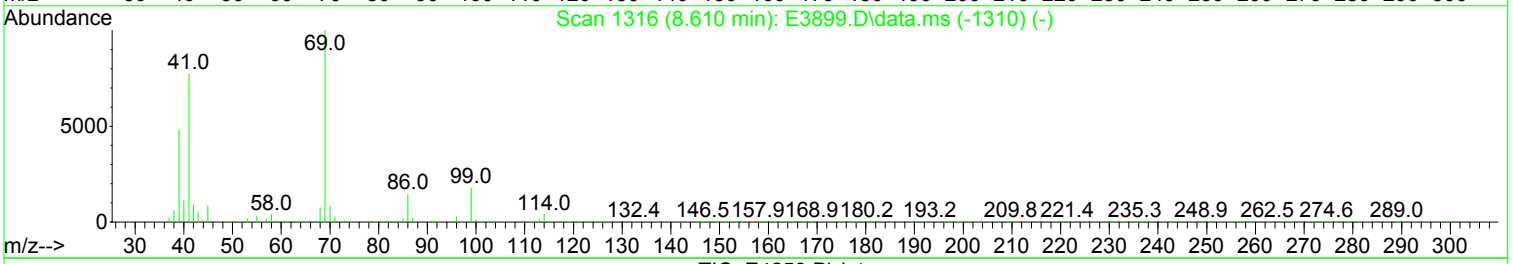
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4259.D
Acq On : 04 Aug 2023 04:24 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : WATER ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 05 09:35:22 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration







TIC: E4259.D\data.ms

(68) Ethyl Methacrylate

8.610min (-8.610) 0.00 ug/L

response 0

Ion	Exp%	Act%
69.10	100.00	0.00
41.10	77.40	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

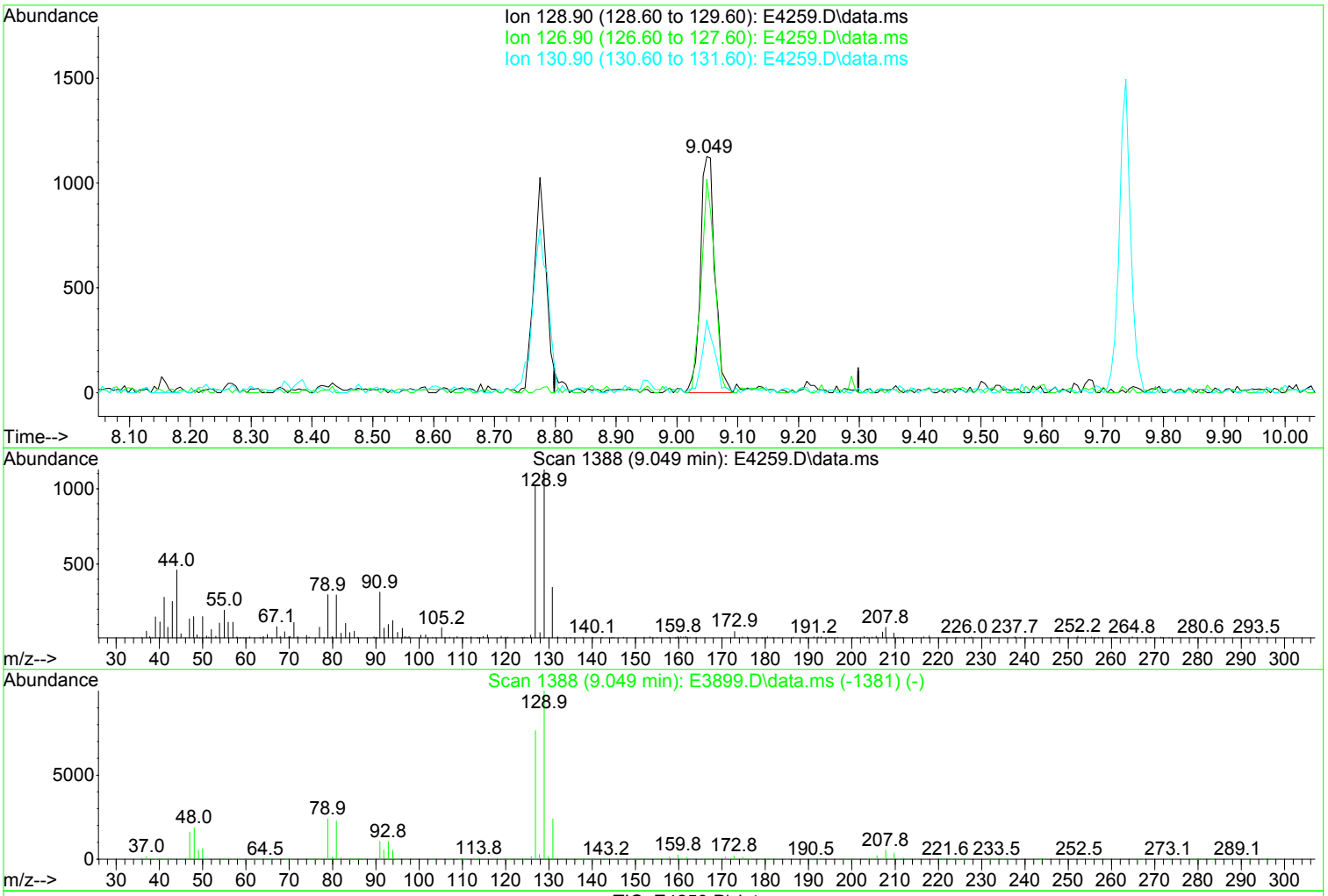
Before

08/05/23

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4259.D
Acq On : 04 Aug 2023 04:24 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : WATER ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 05 09:35:22 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration



TIC: E4259.D\data.ms

(75) Dibromochloromethane (P)

9.049min (+ 0.000) 0.44 ug/L m

response 1872

Ion	Exp%	Act%
128.90	100.00	100.00
126.90	76.40	90.41
130.90	24.00	30.73
0.00	0.00	0.00

Manual Integration:

After

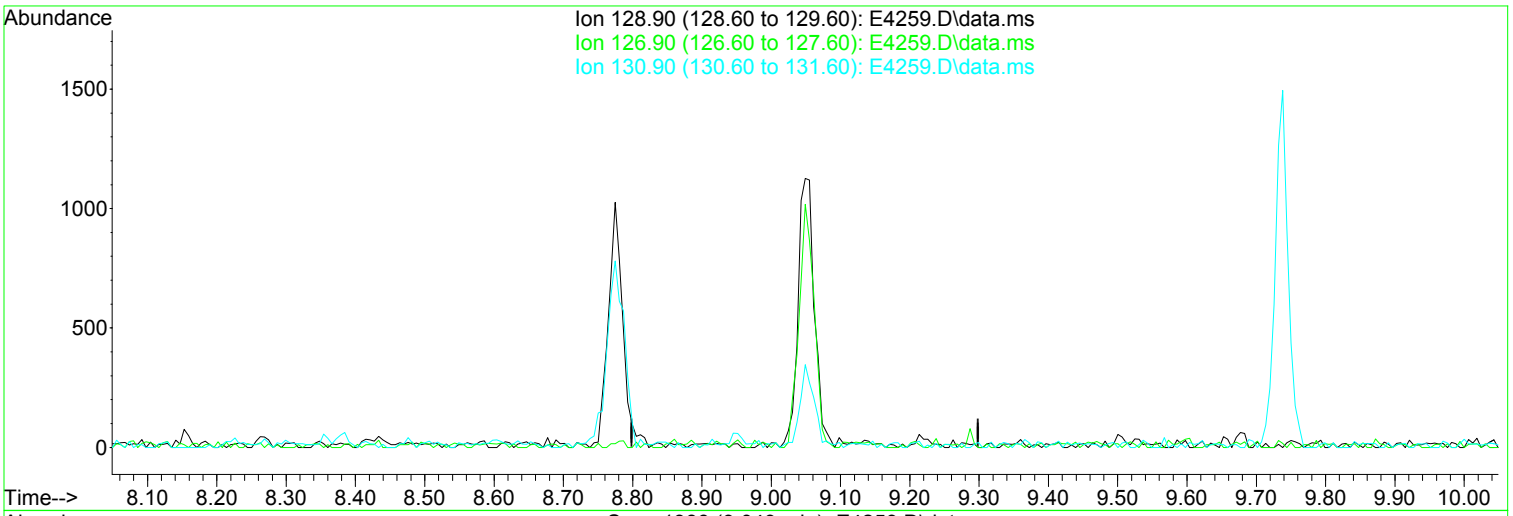
Peak not found.

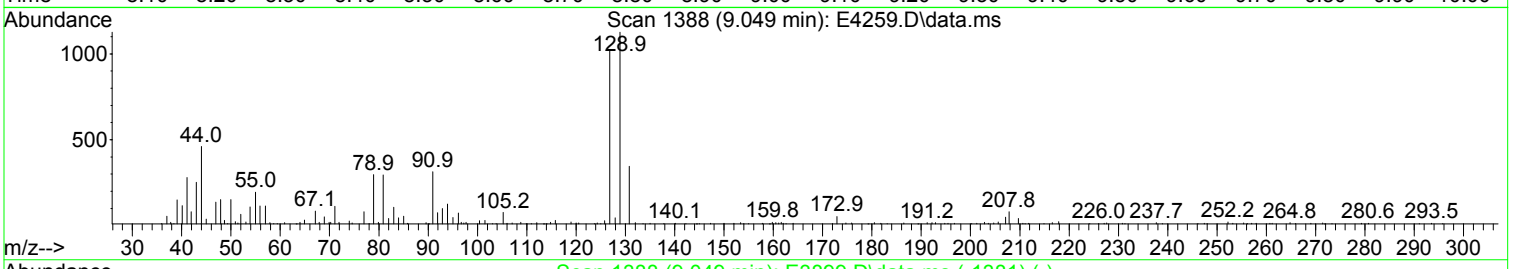
08/05/23

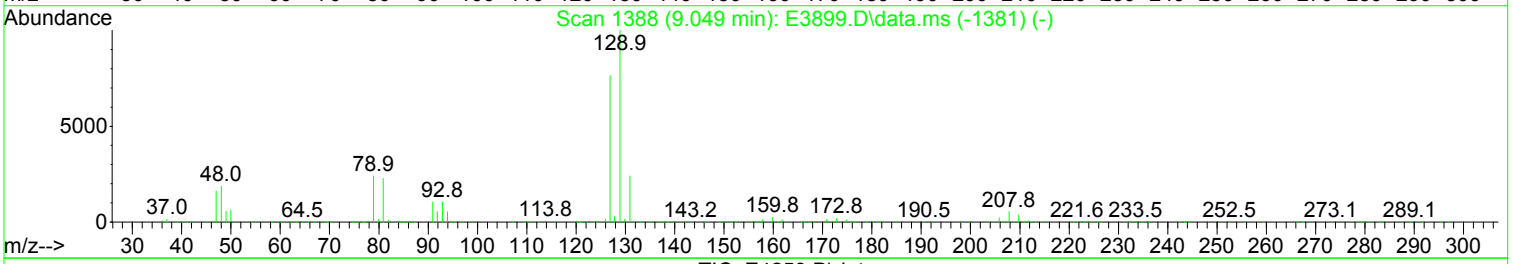
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4259.D
Acq On : 04 Aug 2023 04:24 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : WATER ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 05 09:35:22 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration







TIC: E4259.D\data.ms

(75) Dibromochloromethane (P)

9.049min (-9.049) 0.00 ug/L

response 0

Ion	Exp%	Act%
128.90	100.00	0.00
126.90	76.40	0.00#
130.90	24.00	0.00#
0.00	0.00	0.00

Manual Integration:

Before

08/05/23

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4259.D
Acq On : 04 Aug 2023 04:24 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : WATER ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 05 09:35:22 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.086	168	369653	50.00	ug/L		0.00
43) 1,4-Difluorobenzene	6.245	114	532983	50.00	ug/L		0.00
71) d5-Chlorobenzene	9.616	117	472157	50.00	ug/L		0.00
91) 1,4-Dichlorobenzene-d4	11.683	152	223072	50.00	ug/L		0.00
System Monitoring Compounds							
45) surr4,Dibrflmethane	4.922	113	38430	10.90	ug/L		0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 21.80%#				
48) surr1,1,2-dichloroetha...	5.501	65	46170	11.43	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 22.86%#				
65) SURR3,Toluene-d8	8.104	98	148243	11.56	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 23.12%#				
70) SURR2,BFB	10.701	95	55115	11.28	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 22.56%#				
Target Compounds							Qvalue
2) Chlorodifluoromethane	1.099	51	2007	0.591	ug/L		69
3) Dichlorodifluoromethane	1.093	85	2731m	0.712	ug/L		
4) Chloromethane	1.221	50	2379m	0.811	ug/L		
5) Vinyl Chloride	1.282	62	2714m	0.680	ug/L		
6) Bromomethane	1.502	94	1330	0.496	ug/L		96
7) Chloroethane	1.569	64	1225	0.454	ug/L		85
8) Freon 21	1.709	67	2745	0.504	ug/L		96
9) Trichlorofluoromethane	1.752	101	2745	0.535	ug/L		96
10) Diethyl Ether	1.971	59	1505m	0.624	ug/L		
11) Freon 123a	1.977	67	2193	0.677	ug/L	#	66
12) Freon 123	2.026	83	1964	0.495	ug/L		96
13) Acrolein	2.063	56	1472	2.665	ug/L		89
14) 1,1-Diclethene	2.148	96	1706	0.609	ug/L		90
15) Freon 113	2.148	101	1767	0.578	ug/L		89
17) 2-Propanol	2.331	45	2930	10.406	ug/L	#	56
18) Iodomethane	2.270	142	1951	0.454	ug/L		97
19) Carbon Disulfide	2.319	76	4757	0.571	ug/L		92
21) Allyl Chloride	2.459	76	965	0.608	ug/L	#	87
22) Methyl Acetate	2.489	43	2547	0.656	ug/L		96
23) Methylene Chloride	2.569	84	2026	0.648	ug/L	#	88
24) TBA	2.703	59	5327	10.791	ug/L		88
25) Acrylonitrile	2.818	53	3882	2.678	ug/L		93
26) Methyl-t-Butyl Ether	2.855	73	5422	0.545	ug/L		89
27) trans-1,2-Dichloroethene	2.843	96	2021	0.636	ug/L	#	65
28) 1,1-Diclethane	3.306	63	2539	0.503	ug/L		93
30) DIPE	3.428	45	4863	0.533	ug/L		90
31) 2-Chloro-1,3-Butadiene	3.422	53	2676	0.556	ug/L		81
32) ETBE	3.922	59	5375	0.567	ug/L		96
33) 2,2-Dichloropropane	4.087	77	2516m	0.442	ug/L		
34) cis-1,2-Dichloroethene	4.093	96	2003m	0.579	ug/L		
36) Propionitrile	4.245	54	1646	2.720	ug/L	#	50
37) Bromochloromethane	4.458	130	1266m	0.600	ug/L		
38) Methacrylonitrile	4.489	67	865	0.538	ug/L		99
40) Chloroform	4.635	83	3620m	0.662	ug/L		
41) 1,1,1-Trichloroethane	4.916	97	2833	0.551	ug/L		87
42) TAME	5.855	73	4756	0.514	ug/L		92
46) Carbontetrachloride	5.208	117	2161	0.488	ug/L		88
47) 1,1-Dichloropropene	5.233	75	2384	0.589	ug/L		82
49) Benzene	5.580	78	6277	0.542	ug/L		96

1st 08/05/23
2nd 08/07/23

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4259.D
Acq On : 04 Aug 2023 04:24 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : WATER ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 05 09:35:22 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50) 1,2-Dichloroethane	5.635	62	2480	0.548	ug/L		89
52) n-Heptane	6.104	43	2801	0.674	ug/L		92
53) 1-Butanol	6.671	56	2413m	20.692	ug/L		
54) Trichloroethene	6.580	130	2135	0.595	ug/L	#	82
55) Methylcyclohexane	6.818	55	2413	0.652	ug/L		93
56) 1,2-Diclpropane	6.873	63	1767	0.588	ug/L		87
57) Dibromomethane	7.013	93	1216	0.551	ug/L	#	77
58) 1,4-Dioxane	7.123	88	632	11.423	ug/L		97
59) Methyl Methacrylate	7.129	69	1688	0.619	ug/L	#	83
60) Bromodichloromethane	7.251	83	2680	0.579	ug/L		85
61) 2-Nitropropane	7.555	41	1507	1.281	ug/L		96
62) 2-Chloroethylvinyl Ether	7.683	63	1028	0.534	ug/L		65
63) cis-1,3-Dichloropropene	7.811	75	2842	0.550	ug/L		90
66) Toluene	8.171	91	7083	0.537	ug/L		93
67) trans-1,3-Dichloropropene	8.464	75	2488	0.520	ug/L		91
68) Ethyl Methacrylate	8.610	69	2302m	0.427	ug/L		
69) 1,1,2-Trichloroethane	8.653	97	1788	0.567	ug/L		98
72) Tetrachloroethene	8.775	164	1640	0.572	ug/L	#	86
73) 2-Hexanone	8.970	43	1366	0.484	ug/L		89
74) 1,3-Dichloropropane	8.823	76	2864	0.565	ug/L		98
75) Dibromochloromethane	9.049	129	1872m	0.443	ug/L		
76) N-Butyl Acetate	9.116	43	2903	0.517	ug/L		94
77) 1,2-Dibromoethane	9.147	107	1815	0.540	ug/L		96
78) 3-Chlorobenzotrifluoride	9.671	180	2760	0.530	ug/L	#	91
79) Chlorobenzene	9.647	112	4830	0.548	ug/L		97
80) 4-Chlorobenzotrifluoride	9.732	180	2696	0.575	ug/L		93
81) 1,1,1,2-Tetrachloroethane	9.738	131	1949	0.554	ug/L		83
82) Ethylbenzene	9.768	106	2620	0.571	ug/L	#	90
83) (m+p)Xylene	9.884	106	6599	1.152	ug/L		95
84) o-Xylene	10.244	106	3216	0.571	ug/L	#	82
85) Styrene	10.256	104	5371	0.563	ug/L		82
86) Bromoform	10.409	173	1407	0.493	ug/L		80
87) 2-Chlorobenzotrifluoride	10.494	180	2770	0.545	ug/L		98
88) Isopropylbenzene	10.579	105	8103	0.585	ug/L		96
89) Cyclohexanone	10.652	55	7138	10.193	ug/L		87
90) trans-1,4-Dichloro-2-B...	10.896	53	728	0.534	ug/L		88
92) 1,1,2,2-Tetrachloroethane	10.848	83	2126	0.537	ug/L		98
93) Bromobenzene	10.823	156	2163	0.577	ug/L	#	76
94) 1,2,3-Trichloropropane	10.872	110	847	0.618	ug/L	#	77
95) n-Propylbenzene	10.939	91	9031	0.610	ug/L		99
96) 2-Chlorotoluene	11.000	91	5445	0.607	ug/L		97
97) 3-Chlorotoluene	11.055	91	5484	0.597	ug/L		91
98) 4-Chlorotoluene	11.097	91	6849	0.627	ug/L		98
99) 1,3,5-Trimethylbenzene	11.097	105	6858	0.601	ug/L		99
100) tert-Butylbenzene	11.366	119	5913	0.609	ug/L		99
101) 1,2,4-Trimethylbenzene	11.408	105	6305	0.573	ug/L		94
102) 3,4-Dichlorobenzotrifl...	11.469	214	2132	0.577	ug/L		85
103) sec-Butylbenzene	11.549	105	8600	0.620	ug/L		96
104) p-Isopropyltoluene	11.671	119	7404	0.608	ug/L		97
105) 1,3-Dclbenz	11.628	146	4048	0.595	ug/L		99
106) 1,4-Dclbenz	11.701	146	4141	0.595	ug/L		92
107) 2,4-Dichlorobenzotrifl...	11.762	214	1820	0.550	ug/L		86
108) 2,5-Dichlorobenzotrifl...	11.805	214	2138	0.583	ug/L		91
109) n-Butylbenzene	12.006	91	5980	0.571	ug/L		87
110) 1,2-Dclbenz	12.006	146	3909	0.587	ug/L		93
111) 1,2-Dibromo-3-chloropr...	12.628	157	634	0.580	ug/L	#	79

1st 08/05/23
2nd 08/07/23

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4259.D
Acq On : 04 Aug 2023 04:24 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : WATER ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 05 09:35:22 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration

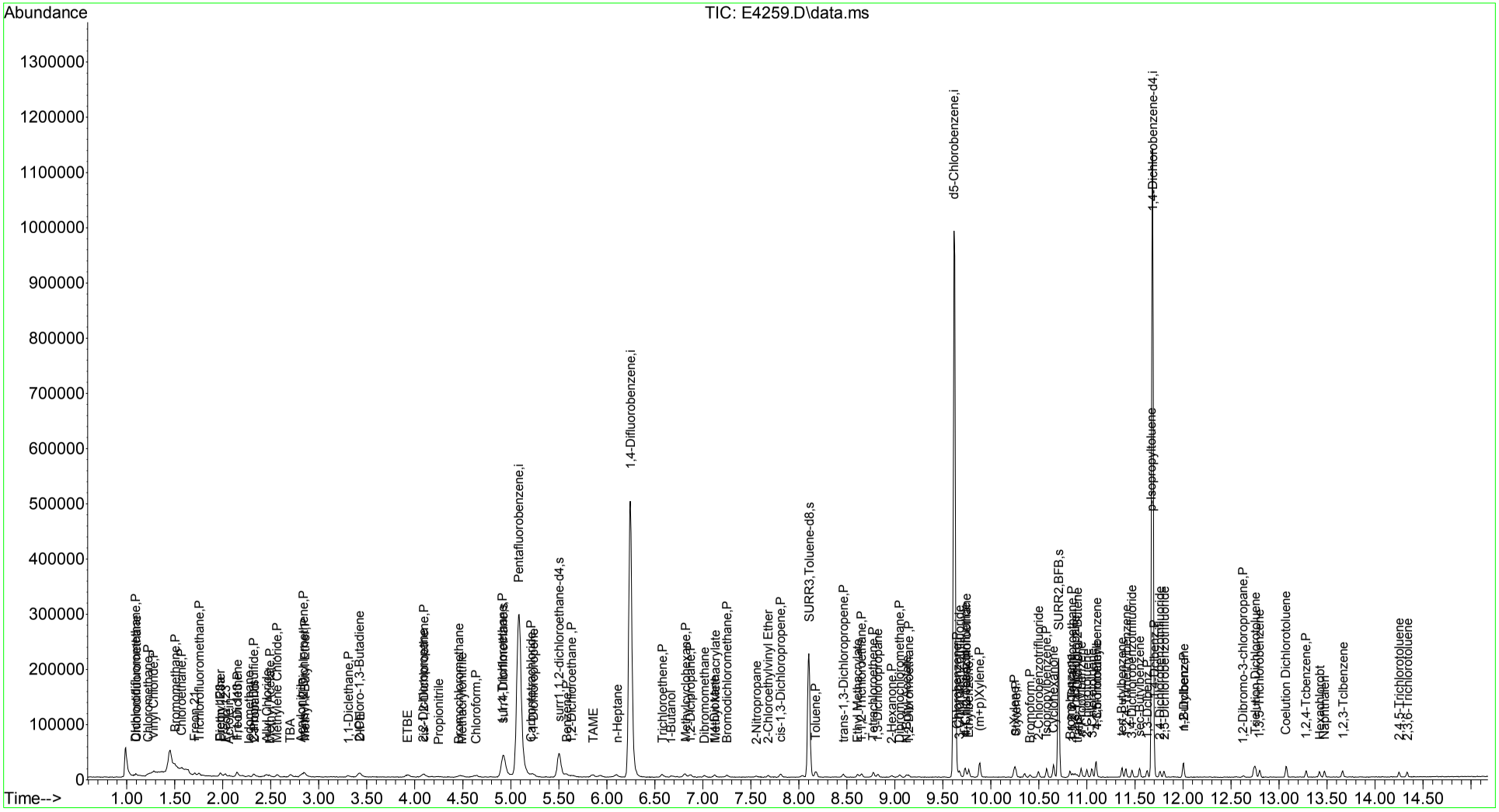
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
112) Trielution Dichlorotol...	12.750	125	9609	1.689	ug/L	95
113) 1,3,5-Trichlorobenzene	12.798	180	2994	0.599	ug/L	89
114) Coelution Dichlorotoluene	13.073	125	6850	1.139	ug/L	93
115) 1,2,4-Tcbenzene	13.280	180	2946	0.584	ug/L	90
116) Hexachlorobt	13.420	225	1493	0.635	ug/L	93
117) Naphthalen	13.475	128	6351	0.508	ug/L	97
118) 1,2,3-Tclbenzene	13.664	180	2678	0.548	ug/L	91
119) 2,4,5-Trichlorotoluene	14.249	159	1888	0.593	ug/L	85
120) 2,3,6-Trichlorotoluene	14.335	159	1590	0.535	ug/L	89

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4259.D
Acq On : 04 Aug 2023 04:24 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : WATER ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 05 09:35:22 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration

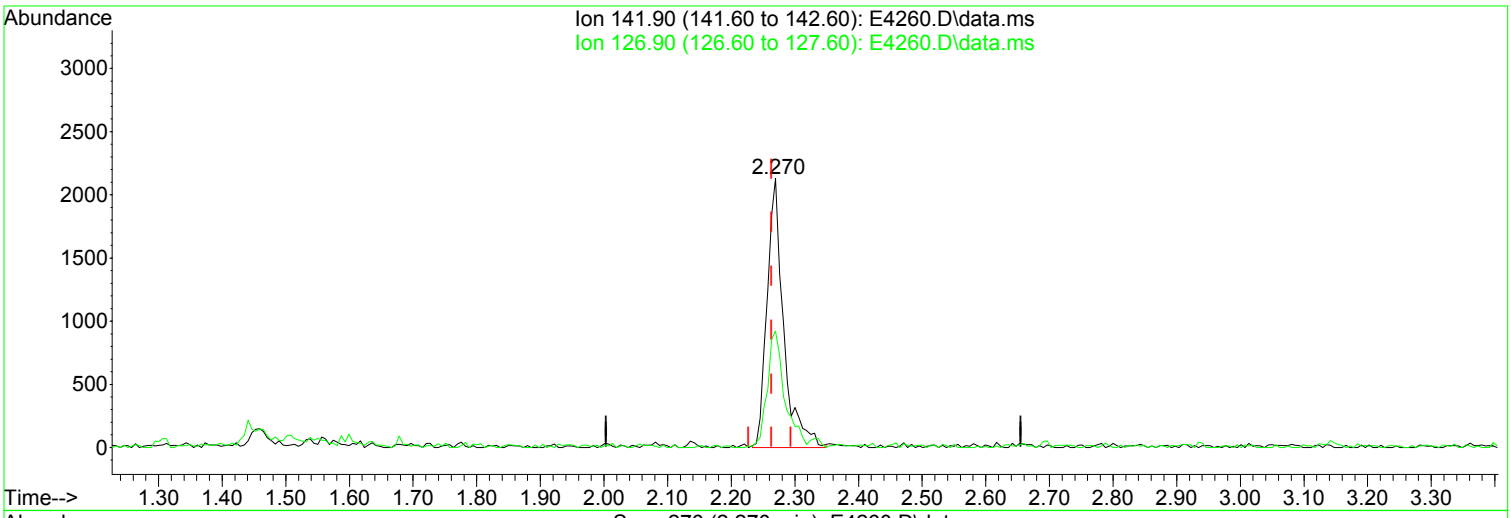


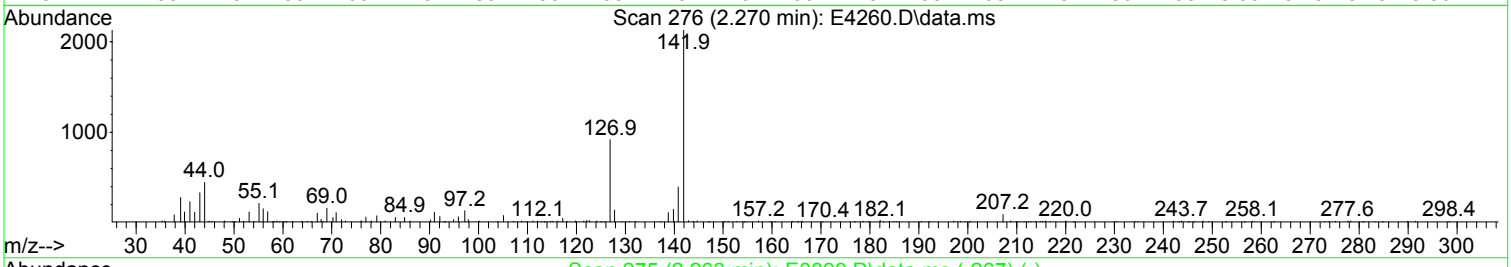
1st 08/05/23
2nd 08/07/23

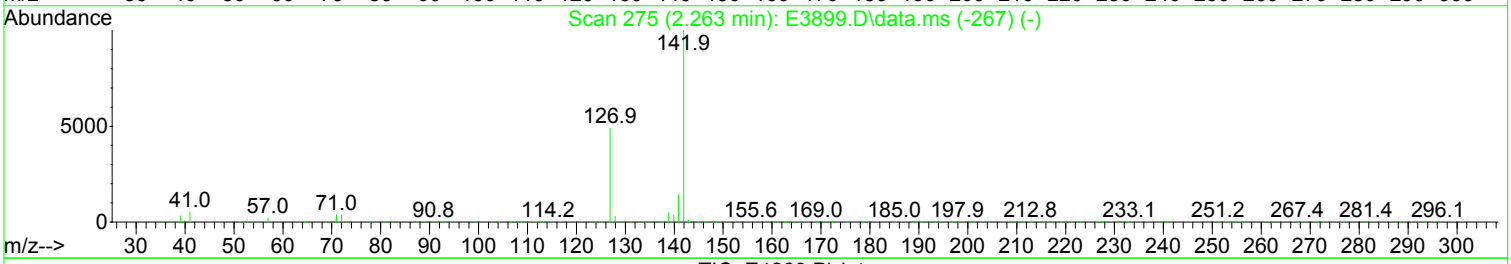
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4260.D
Acq On : 04 Aug 2023 04:47 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : WATER ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 05 09:35:27 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration







TIC: E4260.D\data.ms

(18) Iodomethane

2.270min (+ 0.007) 0.91 ug/L m

response 3842

Ion	Exp%	Act%
141.90	100.00	100.00
126.90	48.90	43.26
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

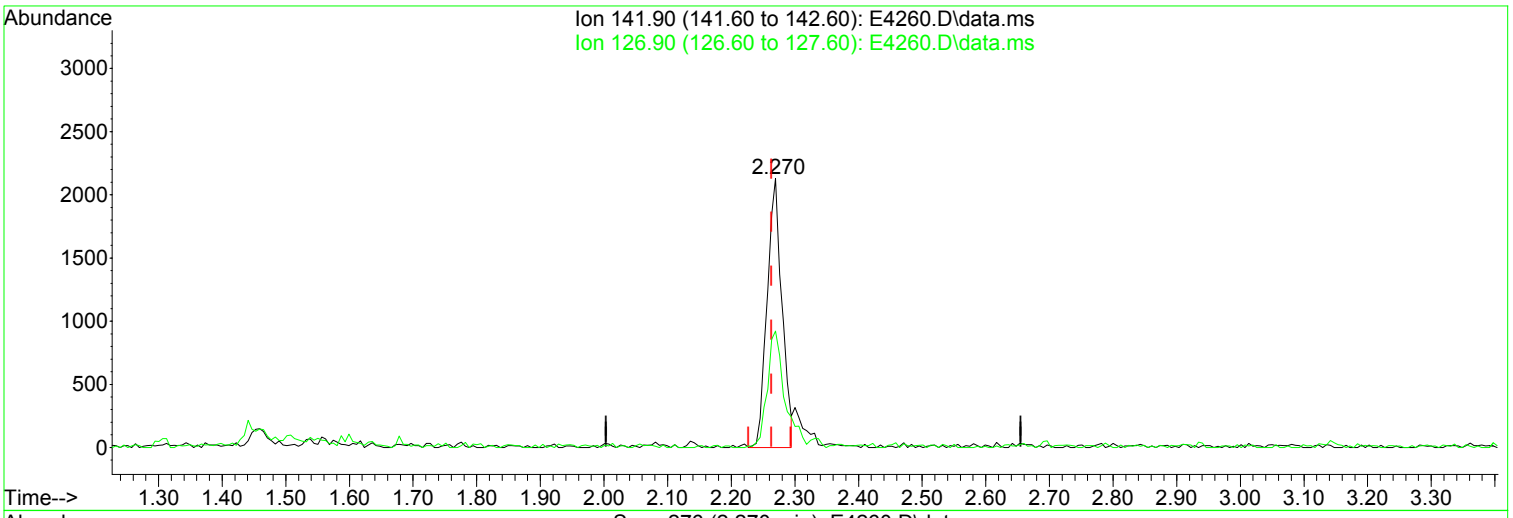
Poor integration.

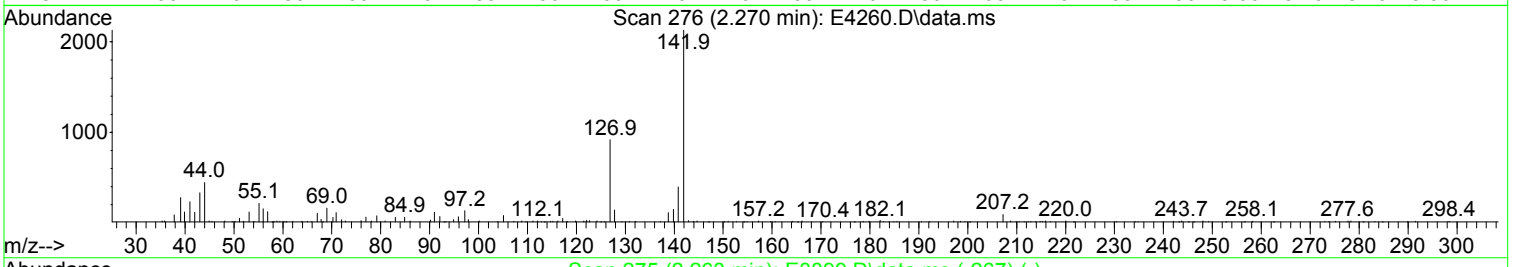
08/05/23

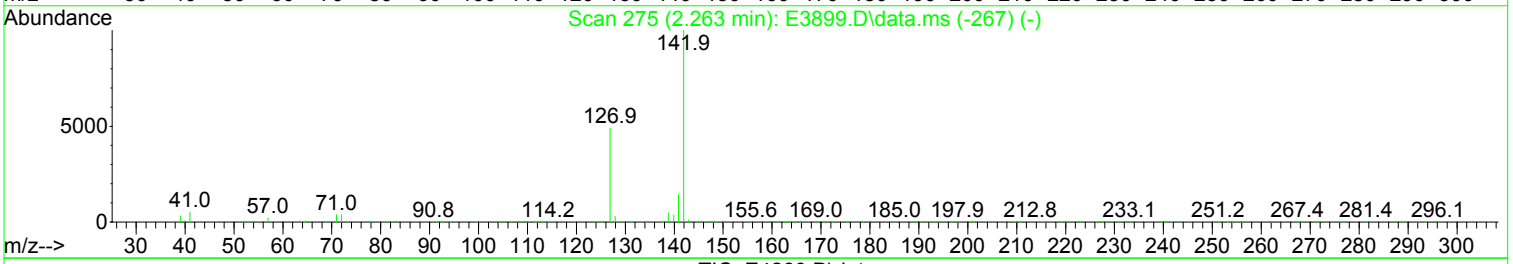
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4260.D
Acq On : 04 Aug 2023 04:47 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : WATER ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 05 09:35:27 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration







TIC: E4260.D\data.ms

(18) Iodomethane

2.270min (+ 0.007) 0.81 ug/L

response 3436

Ion	Exp%	Act%
141.90	100.00	100.00
126.90	48.90	43.26
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

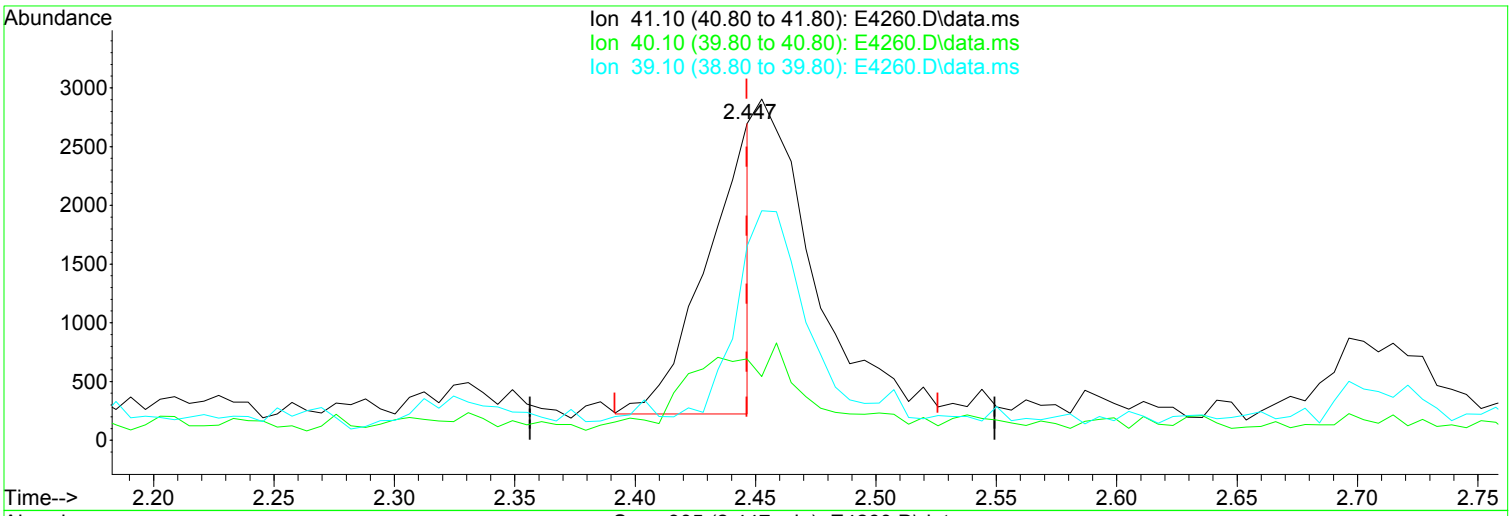
Before

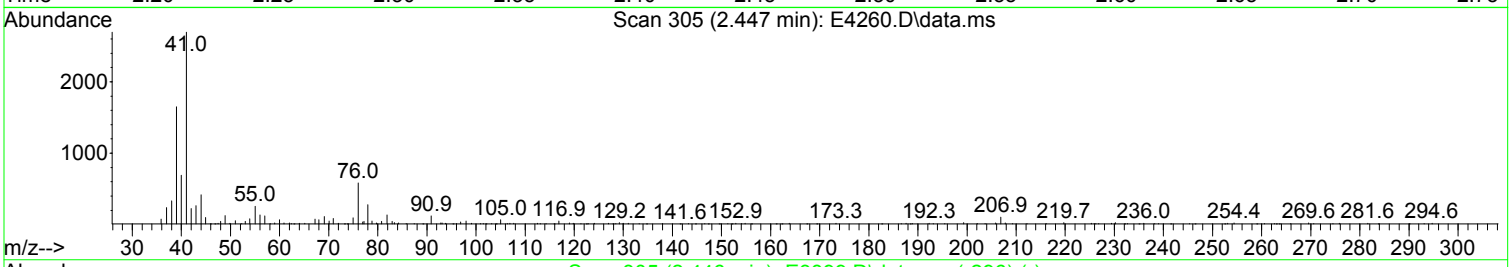
08/05/23

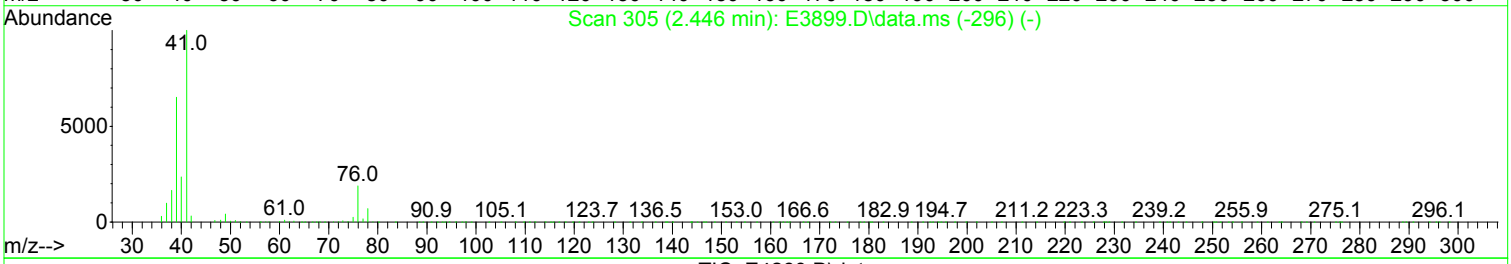
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4260.D
Acq On : 04 Aug 2023 04:47 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : WATER ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 05 09:35:27 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration







TIC: E4260.D\data.ms

(20) Acetonitrile

2.447min (+ 0.000) 2.61 ug/L m

response 3307

Ion	Exp%	Act%
41.10	100.00	100.00
40.10	23.60	25.69
39.10	65.30	61.28
0.00	0.00	0.00

Manual Integration:

After

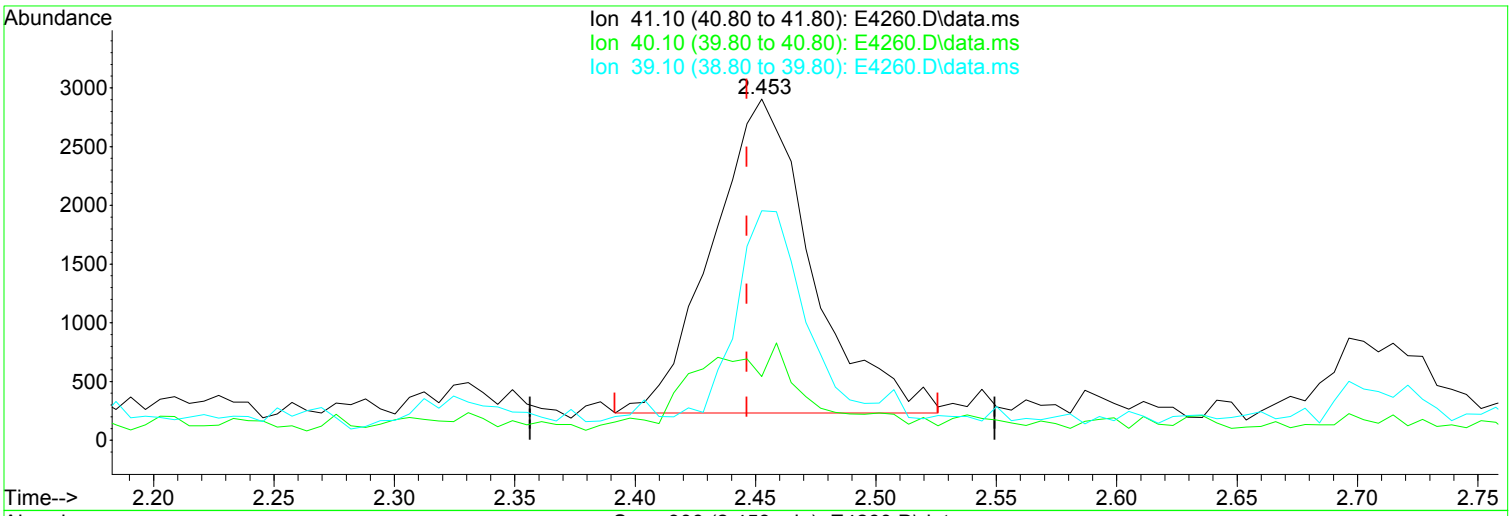
Poor integration.

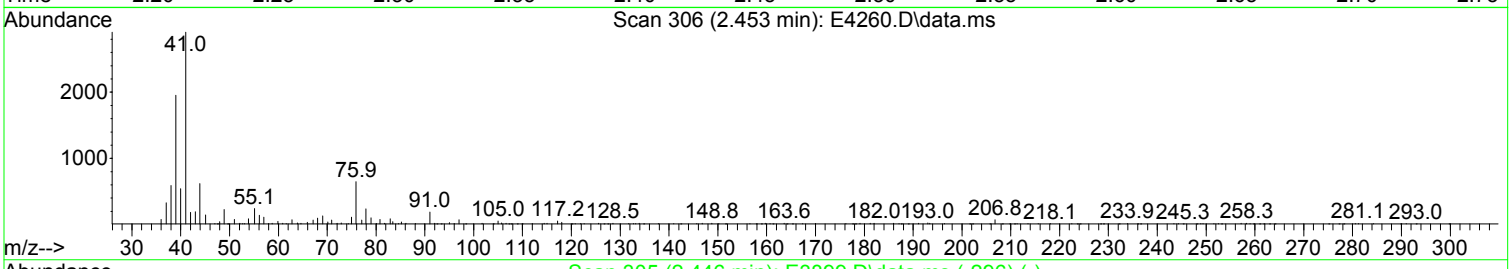
08/05/23

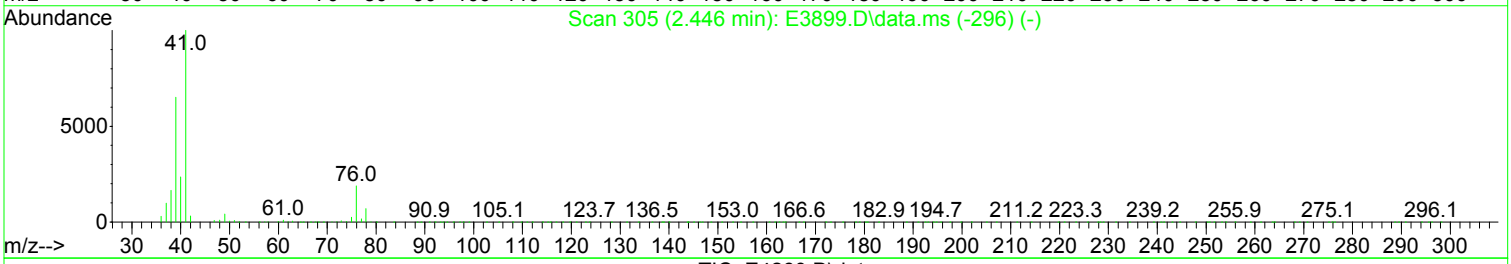
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4260.D
Acq On : 04 Aug 2023 04:47 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : WATER ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 05 09:35:27 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration







TIC: E4260.D\data.ms

(20) Acetonitrile

2.453min (+ 0.006) 6.08 ug/L

response 7714

Ion	Exp%	Act%
41.10	100.00	100.00
40.10	23.60	18.69
39.10	65.30	67.21
0.00	0.00	0.00

Manual Integration:

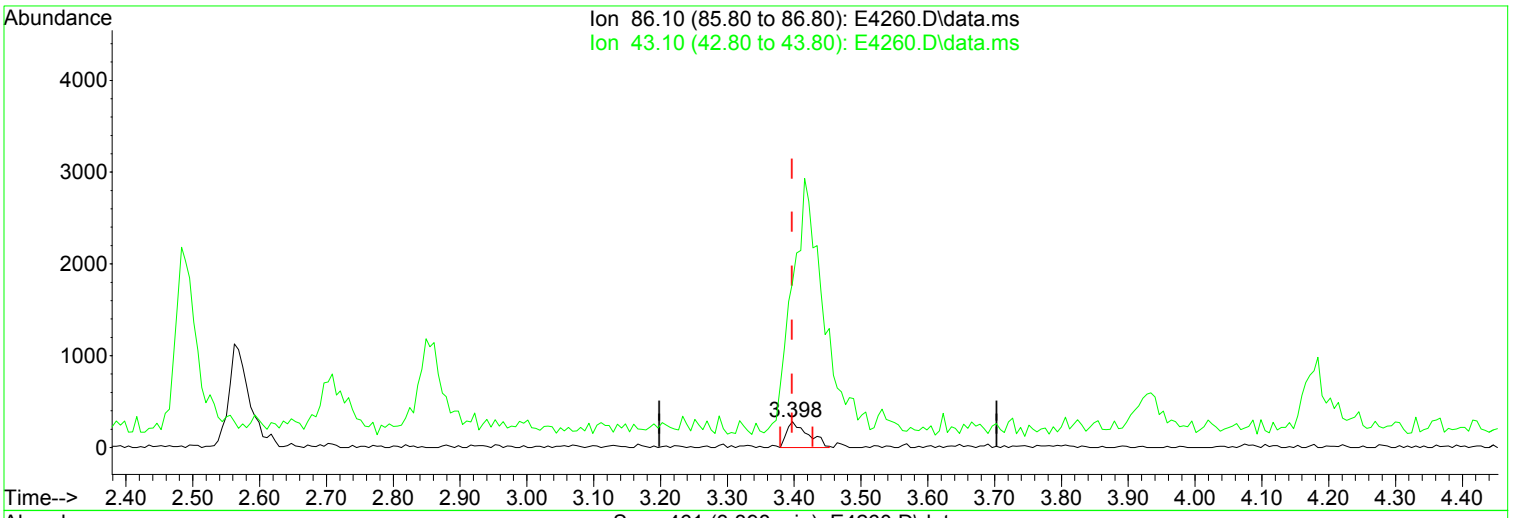
Before

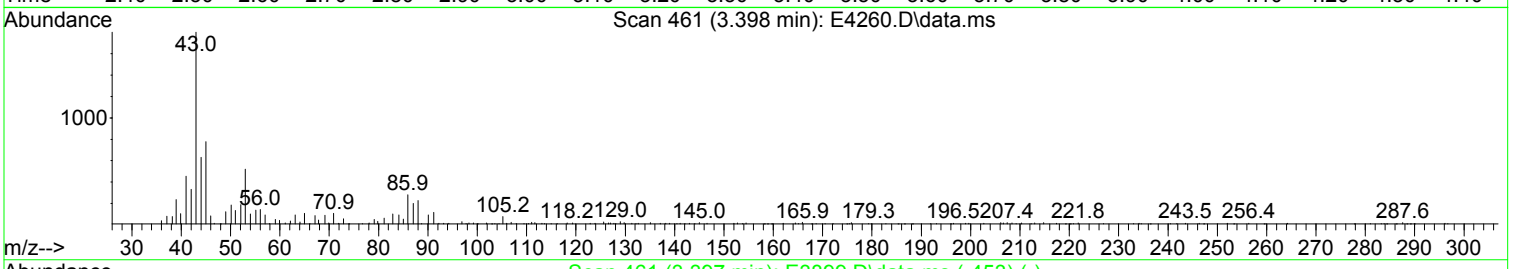
08/05/23

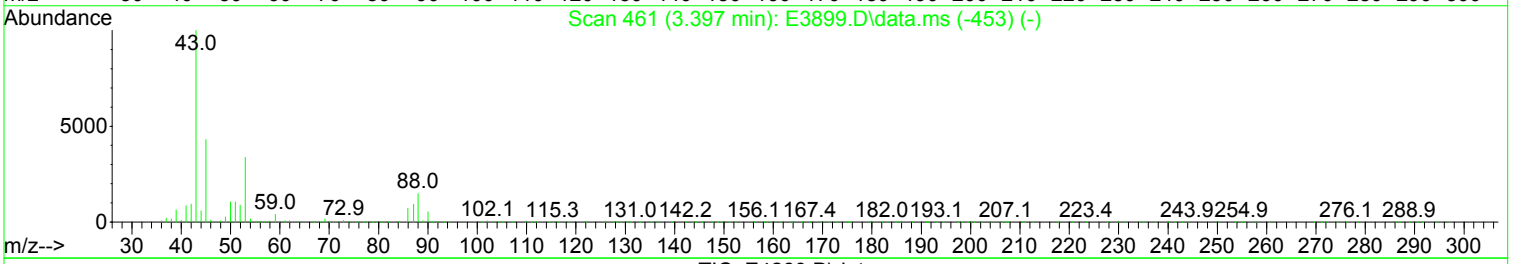
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4260.D
Acq On : 04 Aug 2023 04:47 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : WATER ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 05 09:35:27 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration







TIC: E4260.D\data.ms

(29) Vinyl Acetate

3.398min (+ 0.000) 1.36 ug/L m

response 626

Ion	Exp%	Act%
86.10	100.00	100.00
43.10	1389.60	637.94#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

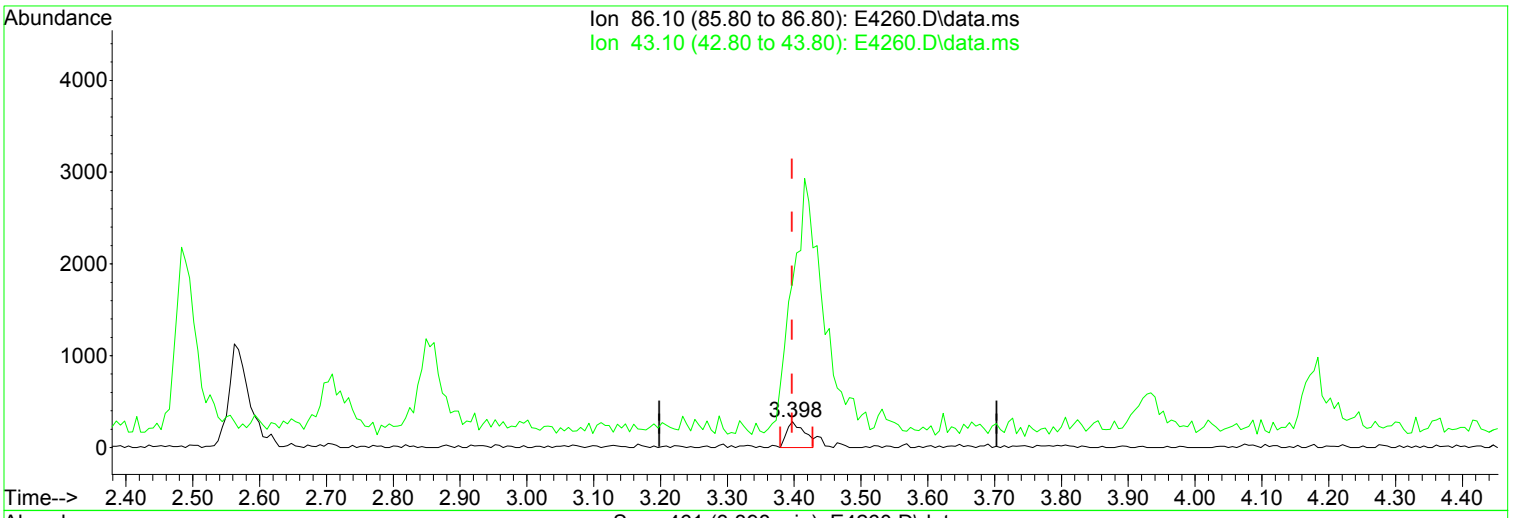
Poor integration.

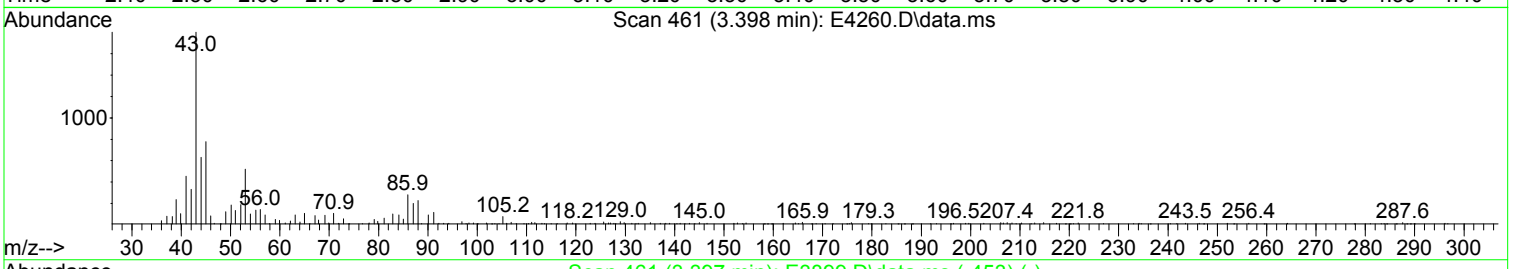
08/05/23

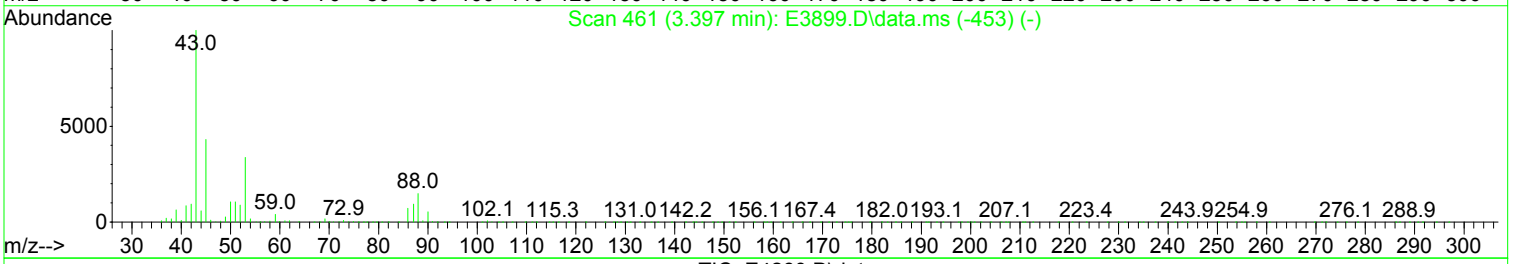
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4260.D
Acq On : 04 Aug 2023 04:47 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : WATER ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 05 09:35:27 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration







TIC: E4260.D\data.ms

(29) Vinyl Acetate

3.398min (+ 0.000) 1.15 ug/L

response 529

Ion	Exp%	Act%
86.10	100.00	100.00
43.10	1389.60	637.94#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

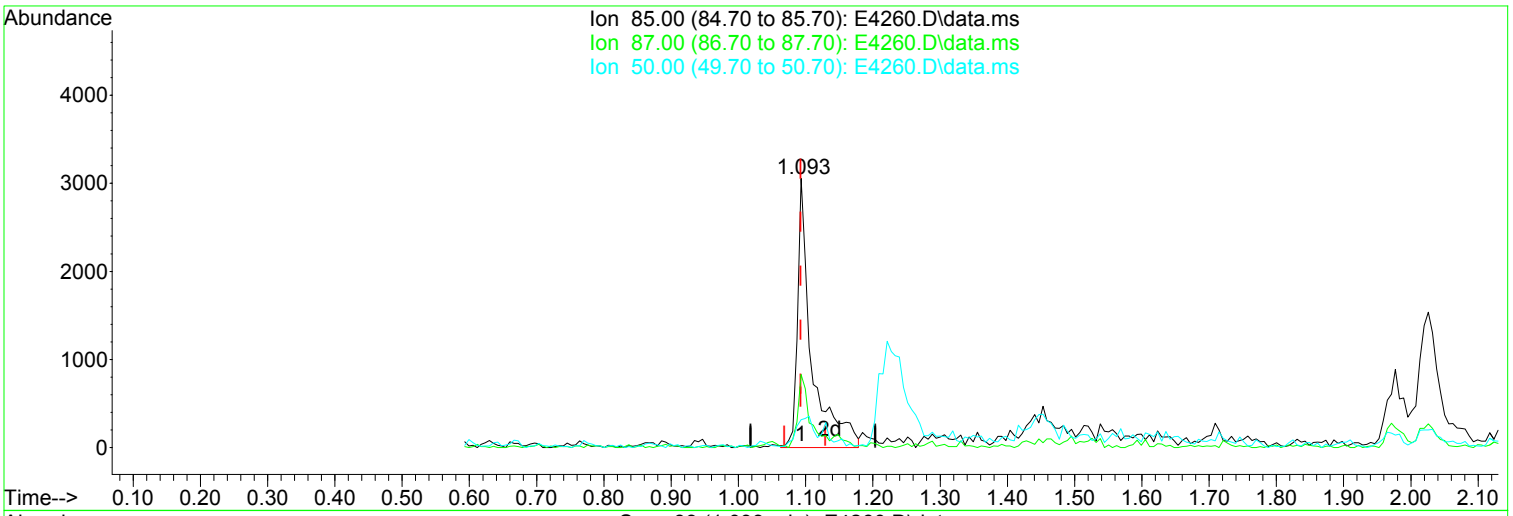
Before

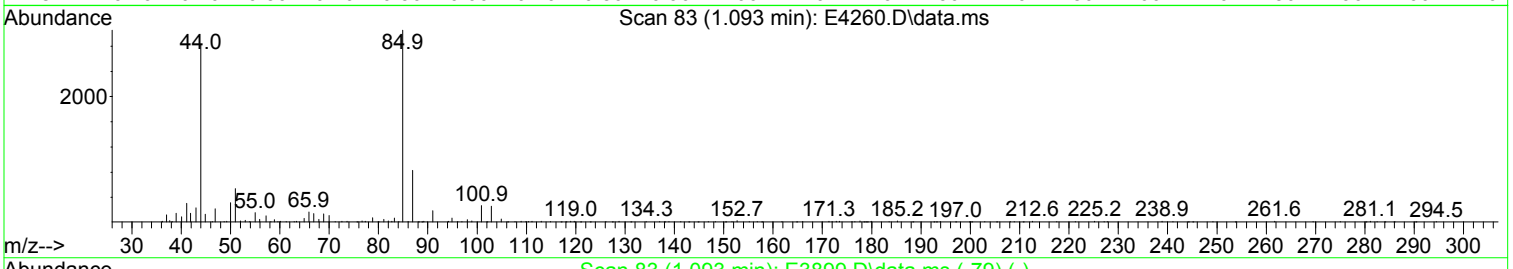
08/05/23

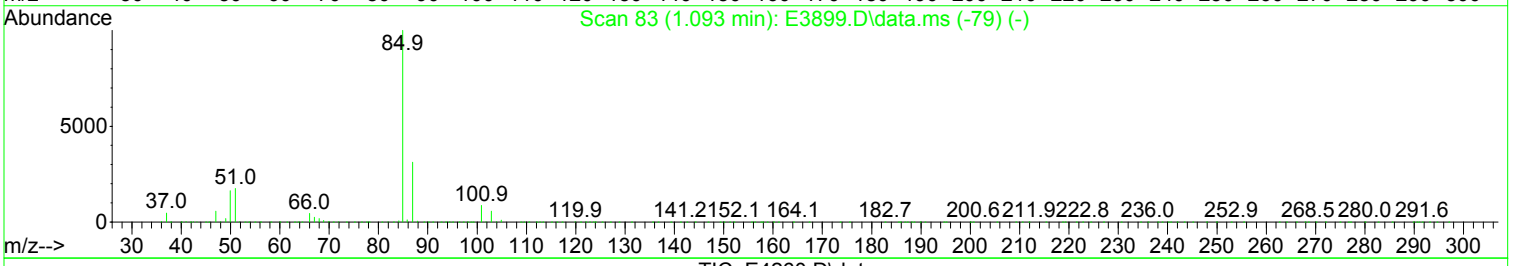
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4260.D
Acq On : 04 Aug 2023 04:47 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : WATER ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 05 09:35:27 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration







TIC: E4260.D\data.ms

(3) Dichlorodifluoromethane (P)

1.093min (+ 0.000) 1.18 ug/L m

response 4471

Ion	Exp%	Act%
85.00	100.00	100.00
87.00	31.30	27.18
50.00	16.40	10.38
0.00	0.00	0.00

Manual Integration:

After

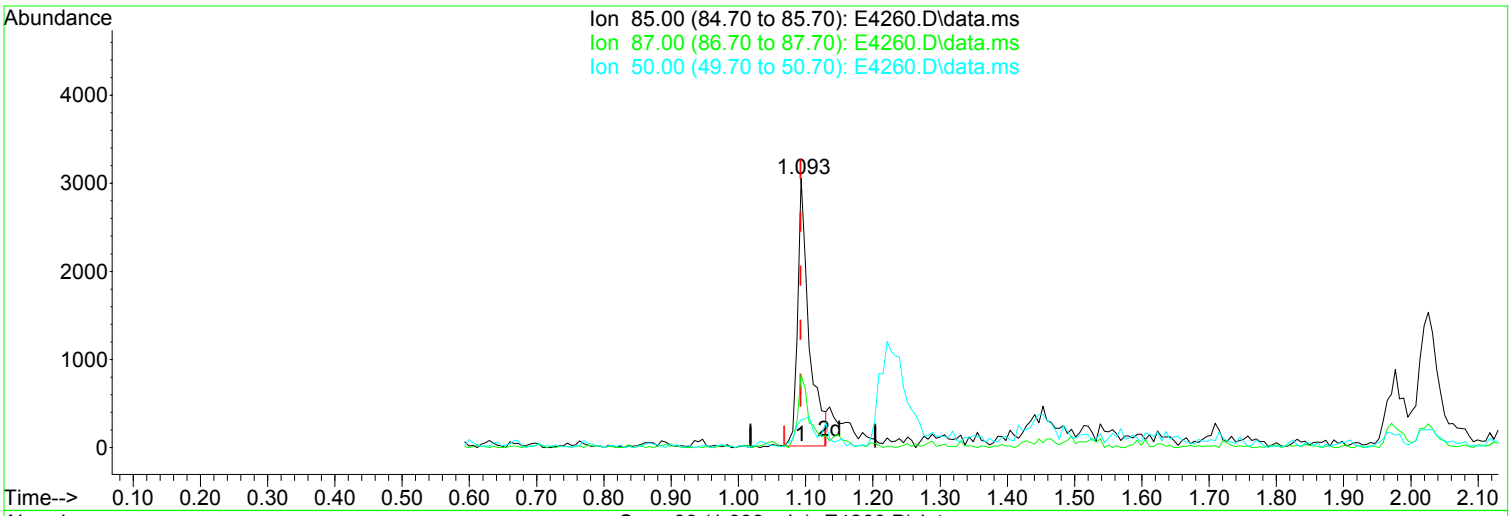
Poor integration.

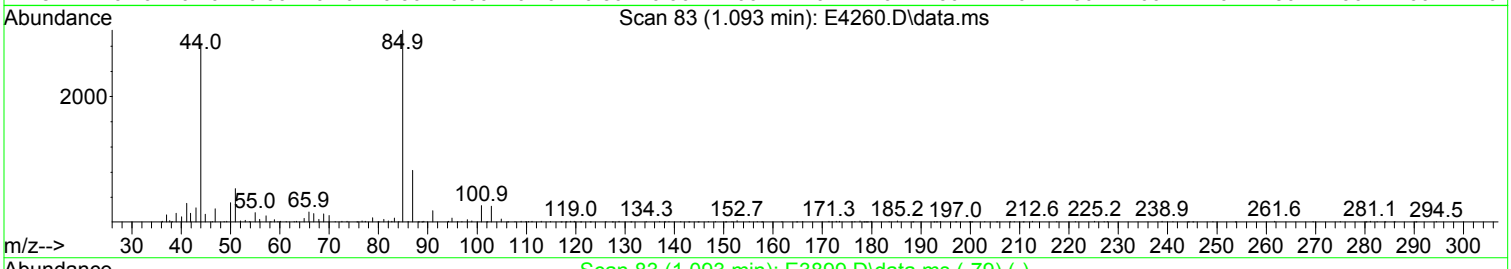
08/05/23

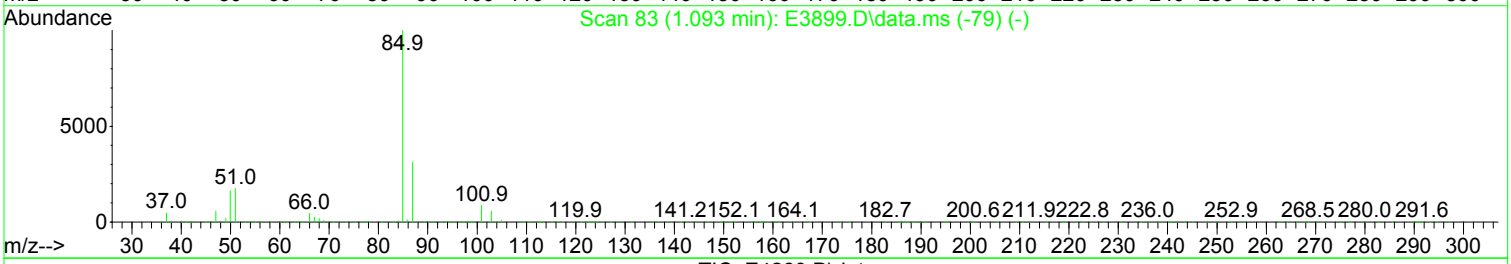
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4260.D
Acq On : 04 Aug 2023 04:47 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : WATER ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 05 09:35:27 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration







TIC: E4260.D\data.ms

(3) Dichlorodifluoromethane (P)

1.093min (+ 0.000) 0.95 ug/L

response 3599

Ion	Exp%	Act%
85.00	100.00	100.00
87.00	31.30	27.18
50.00	16.40	10.38
0.00	0.00	0.00

Manual Integration:

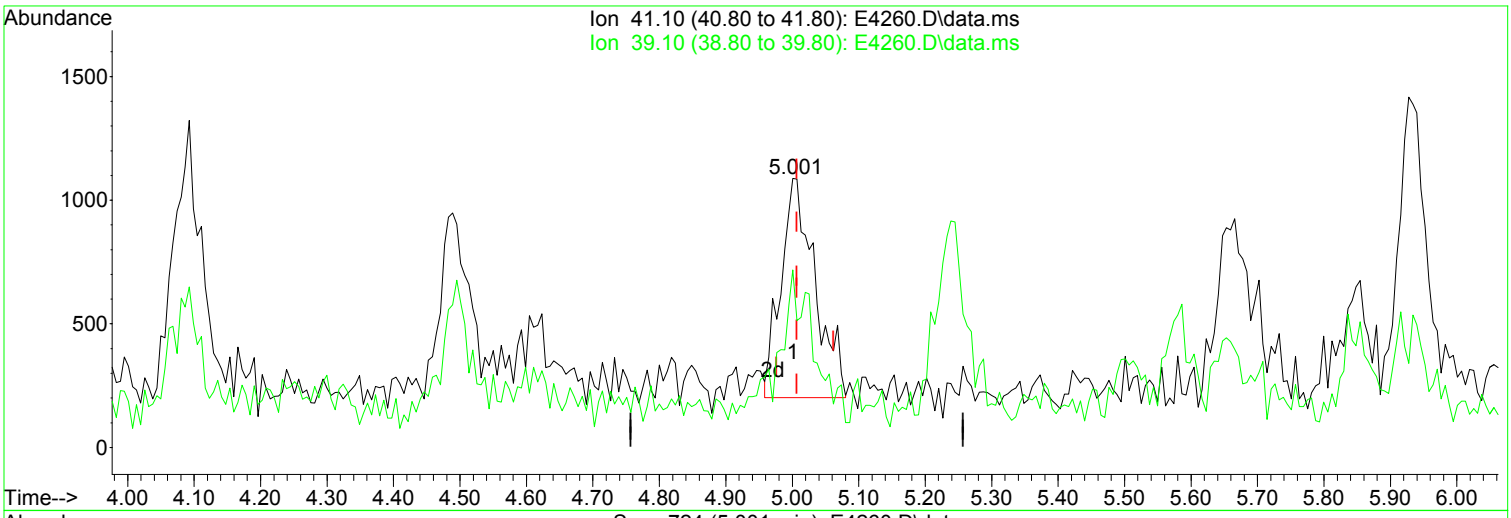
Before

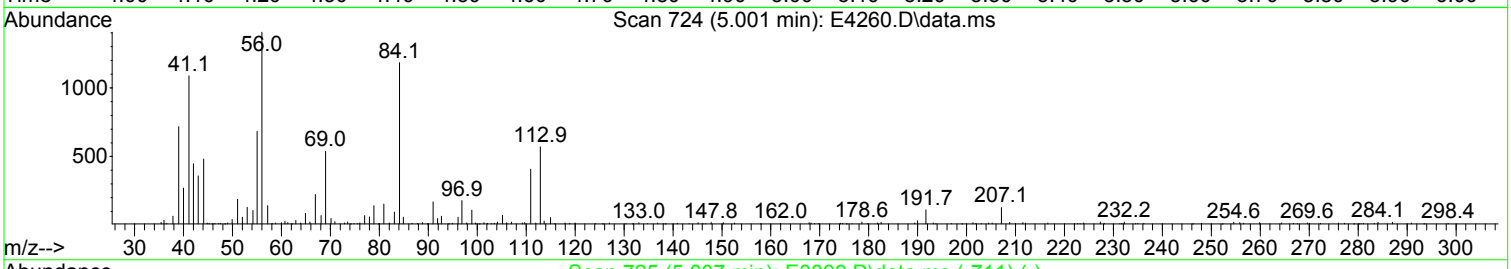
08/05/23

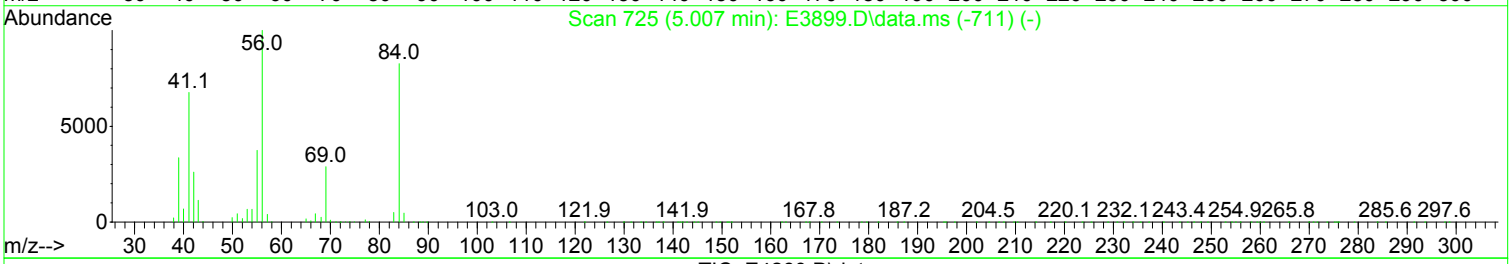
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4260.D
Acq On : 04 Aug 2023 04:47 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : WATER ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 05 09:35:27 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration







TIC: E4260.D\data.ms

(44) Cyclohexane (P)

5.001min (-0.006) 1.18 ug/L m

response 3174

Ion	Exp%	Act%
41.10	100.00	100.00
39.10	50.20	65.99
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

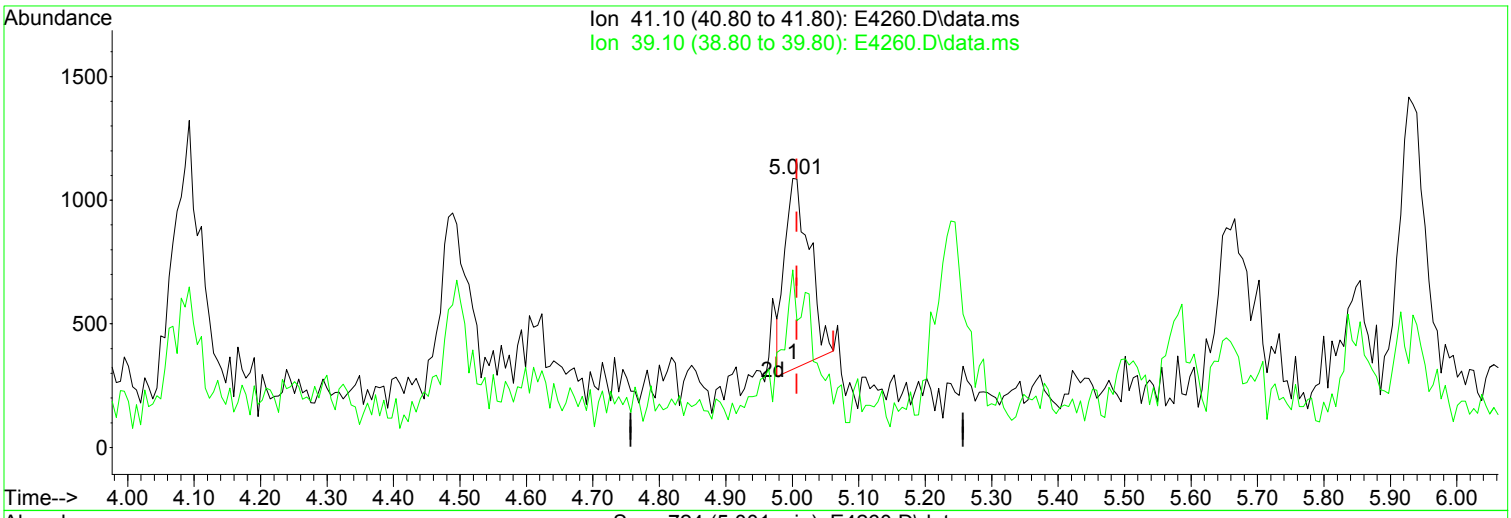
Poor integration.

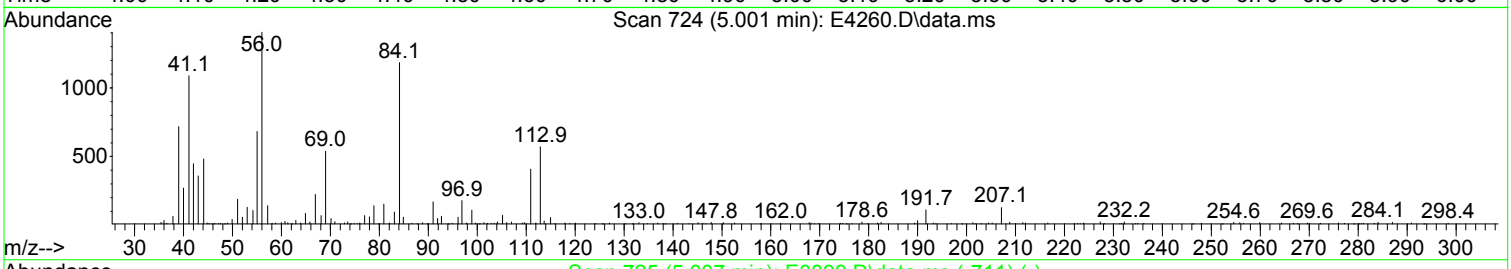
08/05/23

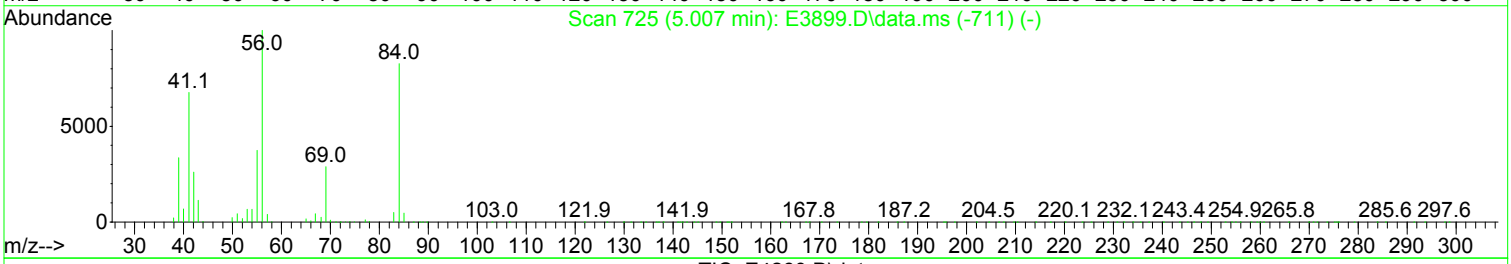
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4260.D
Acq On : 04 Aug 2023 04:47 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : WATER ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 05 09:35:27 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration







TIC: E4260.D\data.ms

(44) Cyclohexane (P)

5.001min (-0.006) 0.74 ug/L

response 2000

Ion	Exp%	Act%
41.10	100.00	100.00
39.10	50.20	65.99
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

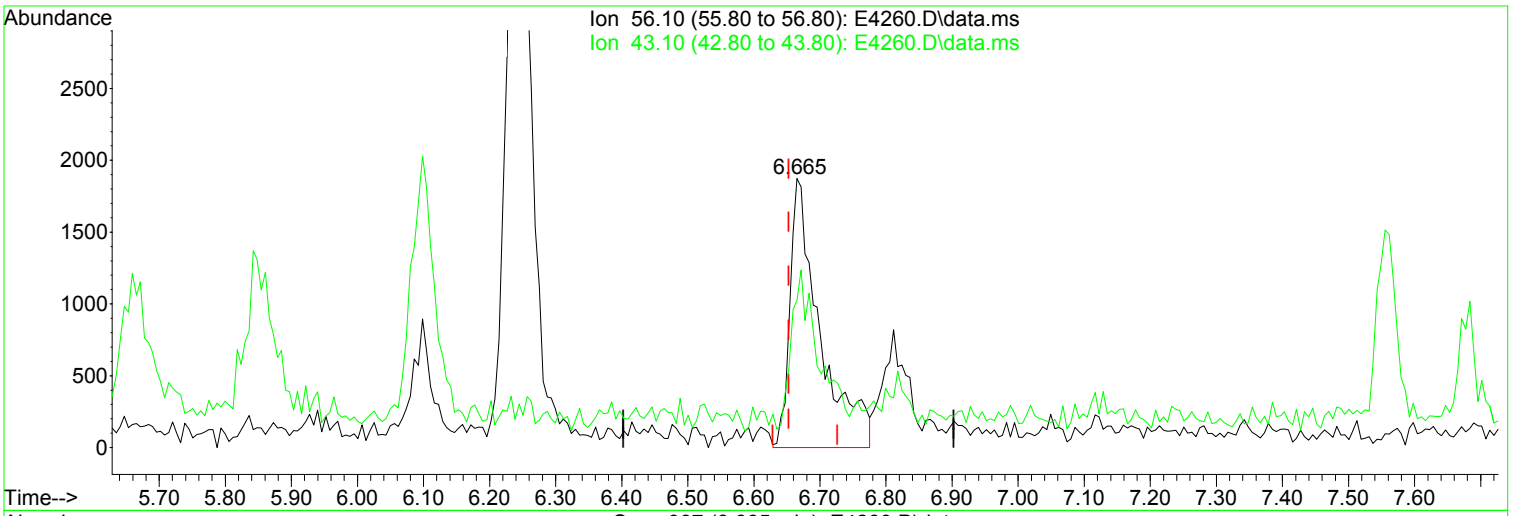
Before

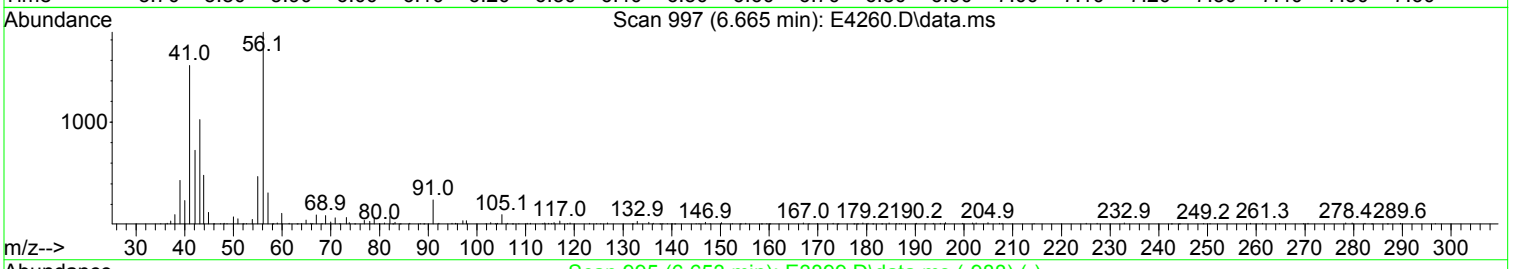
08/05/23

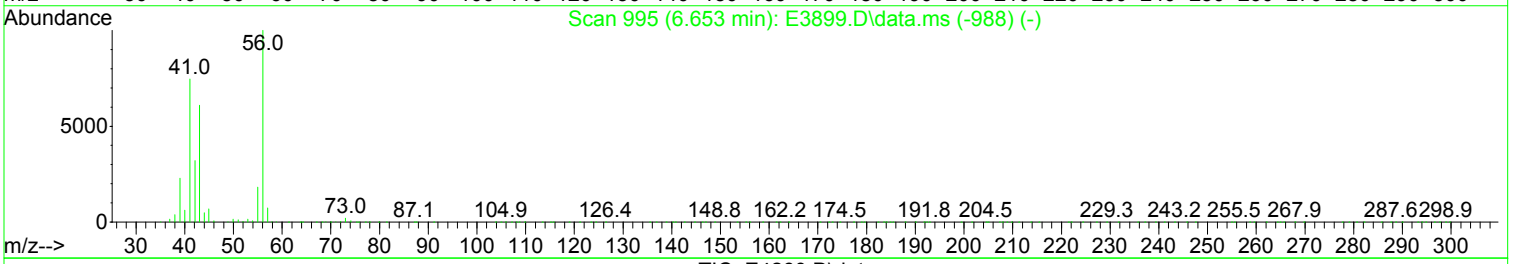
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4260.D
Acq On : 04 Aug 2023 04:47 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : WATER ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 05 09:35:27 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration







TIC: E4260.D\data.ms

(53) 1-Butanol

6.665min (+ 0.012) 50.77 ug/L m

response 5893

Ion	Exp%	Act%
56.10	100.00	100.00
43.10	61.10	54.67
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

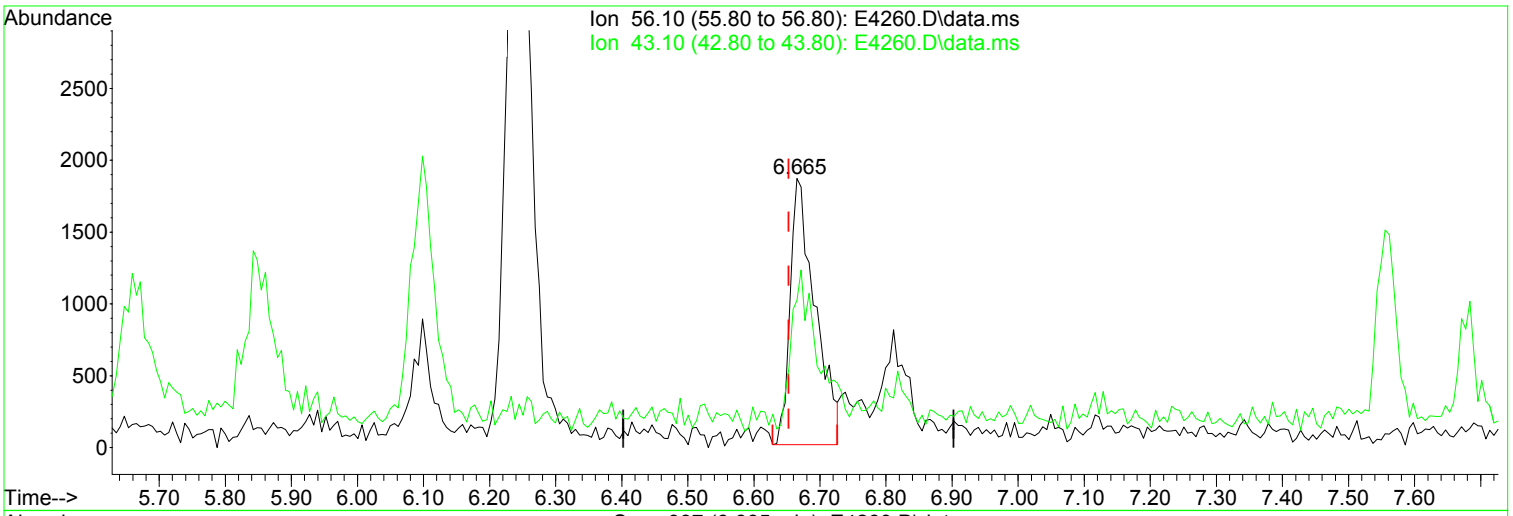
Poor integration.

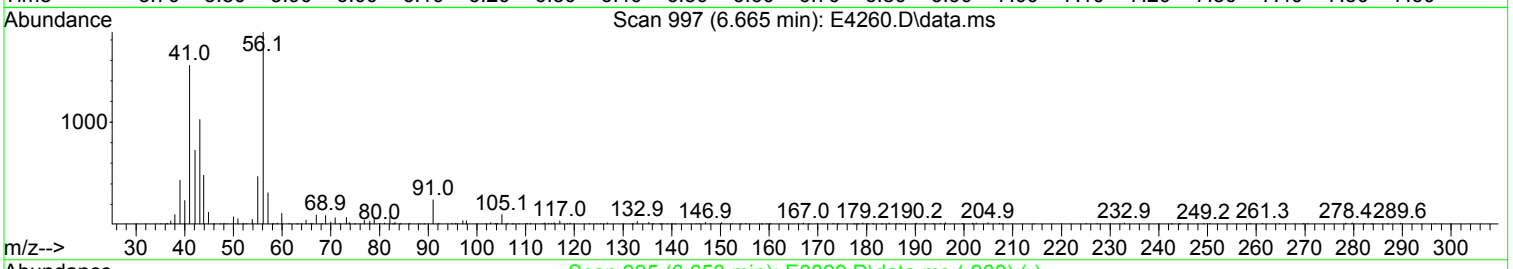
08/05/23

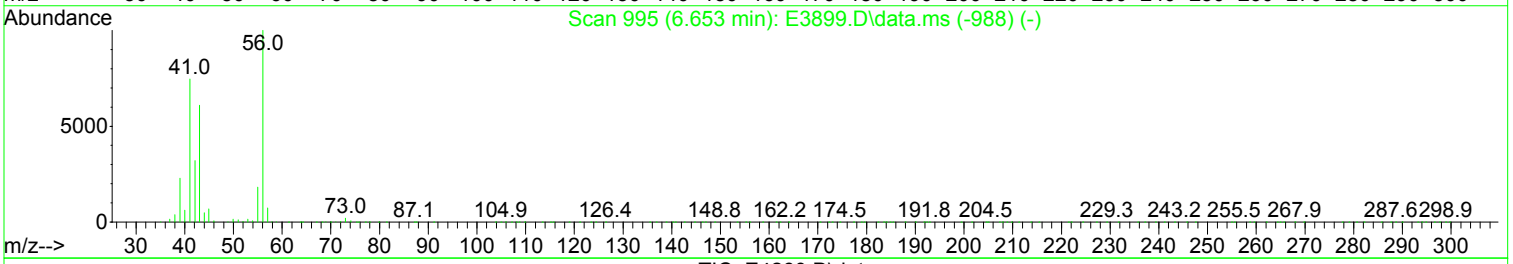
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4260.D
Acq On : 04 Aug 2023 04:47 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : WATER ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 05 09:35:27 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration







TIC: E4260.D\data.ms

(53) 1-Butanol

6.665min (+ 0.012) 41.96 ug/L

response 4870

Ion	Exp%	Act%
56.10	100.00	100.00
43.10	61.10	54.67
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

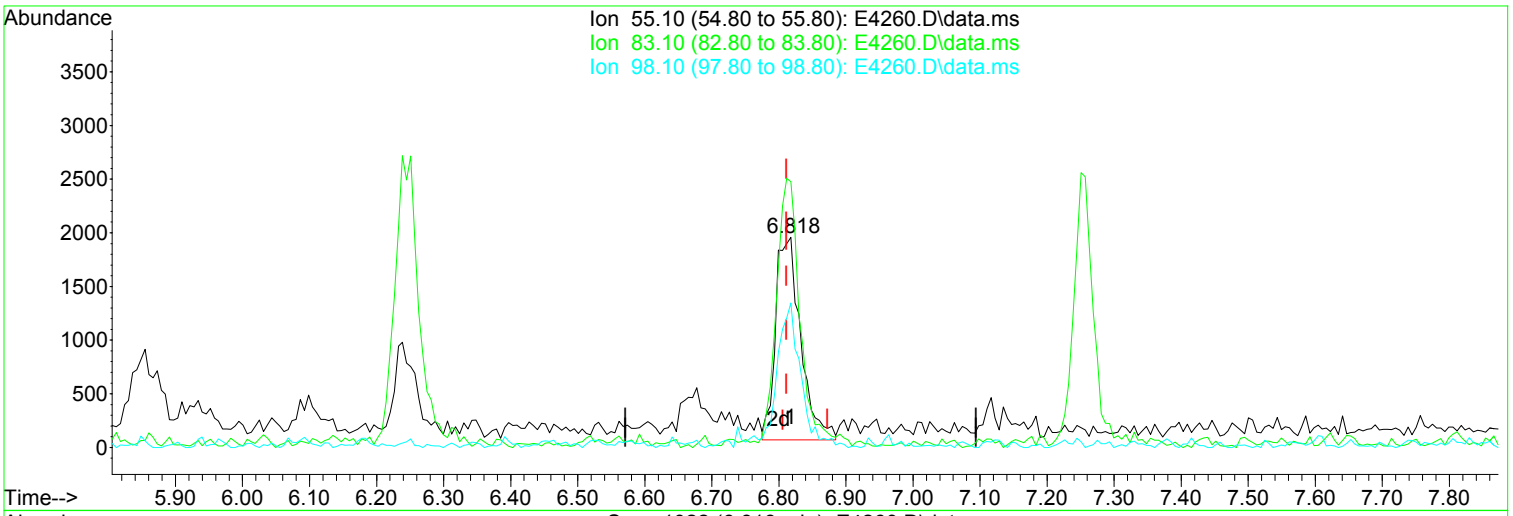
Before

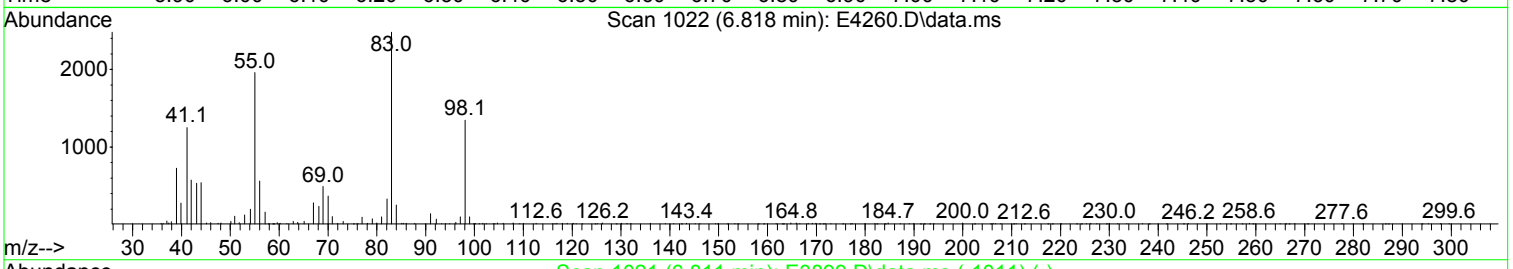
08/05/23

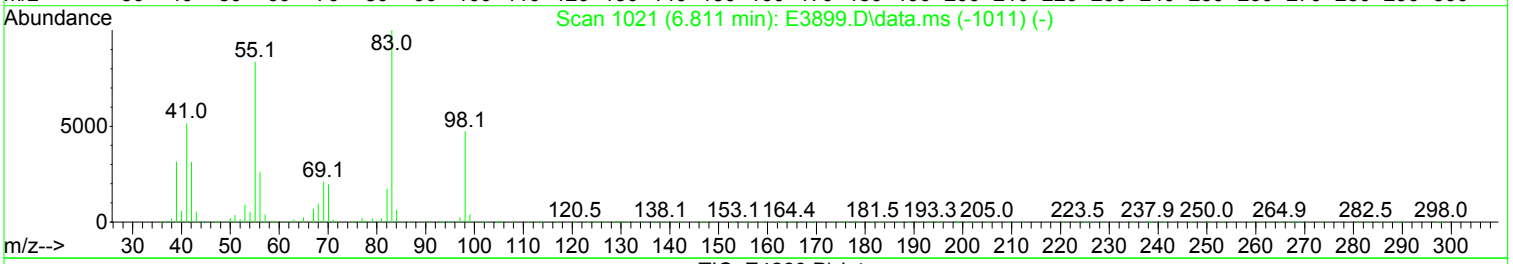
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4260.D
Acq On : 04 Aug 2023 04:47 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : WATER ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 05 09:35:27 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration







TIC: E4260.D\data.ms

(55) Methylcyclohexane (P)

6.818min (+ 0.006) 1.33 ug/L m

response 4894

Ion	Exp%	Act%
55.10	100.00	100.00
83.10	119.10	126.62
98.10	56.20	68.78
0.00	0.00	0.00

Manual Integration:

After

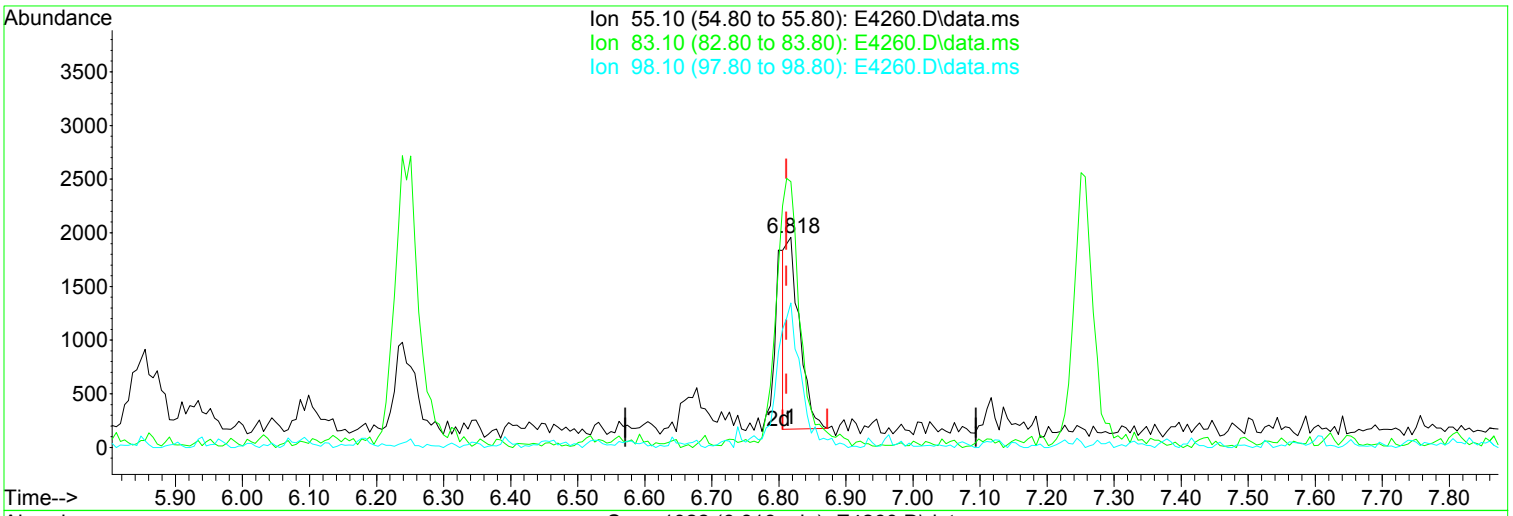
Split Peak.

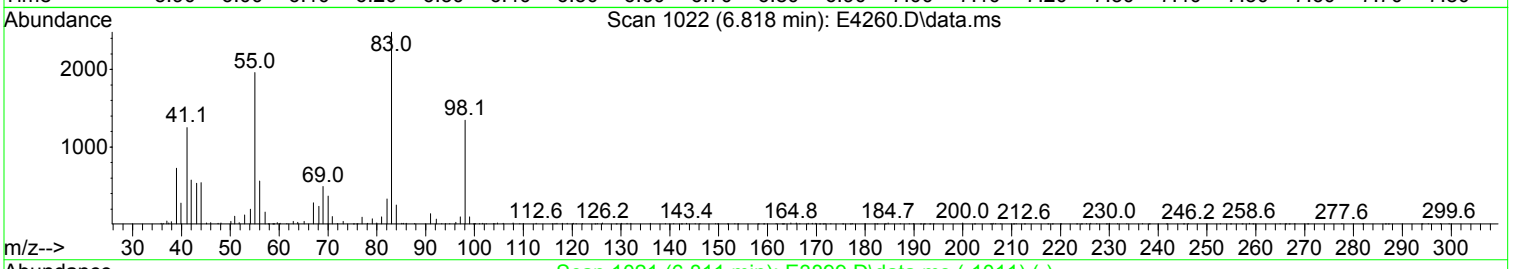
08/05/23

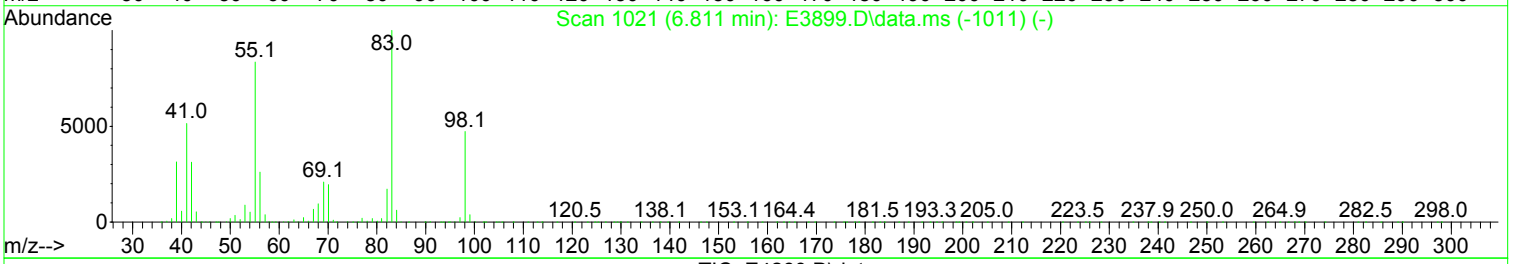
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4260.D
Acq On : 04 Aug 2023 04:47 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : WATER ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 05 09:35:27 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration







TIC: E4260.D\data.ms

(55) Methylcyclohexane (P)

6.818min (+ 0.006) 0.71 ug/L

response 2632

Ion	Exp%	Act%
55.10	100.00	100.00
83.10	119.10	126.62
98.10	56.20	68.78
0.00	0.00	0.00

Manual Integration:

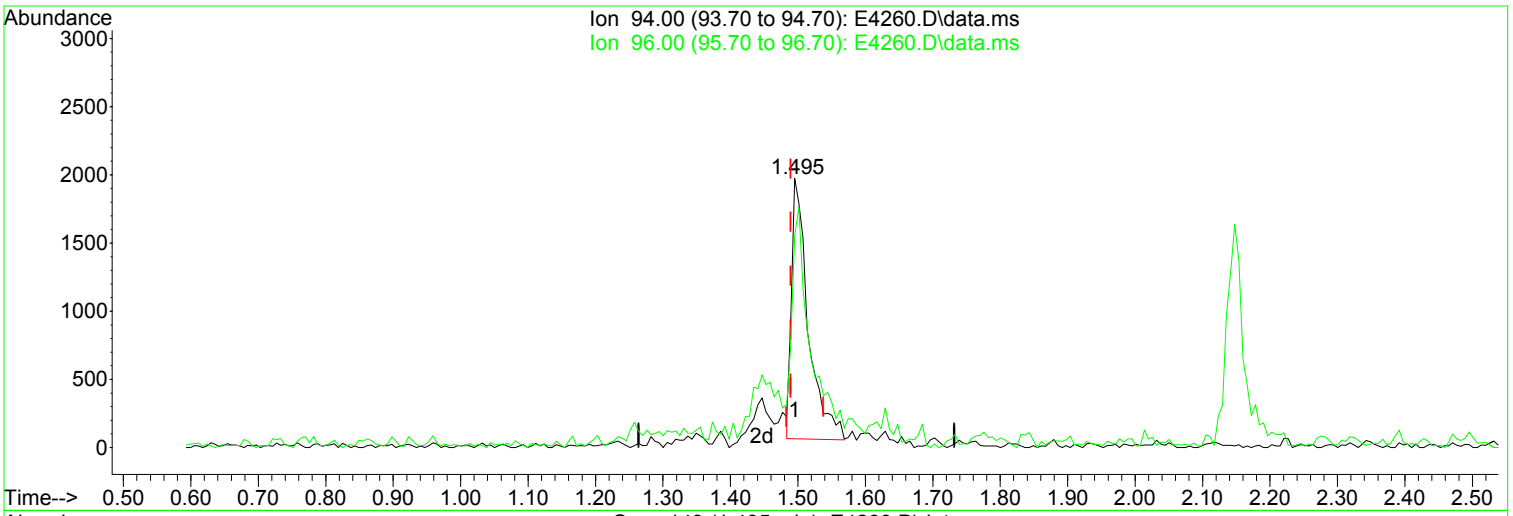
Before

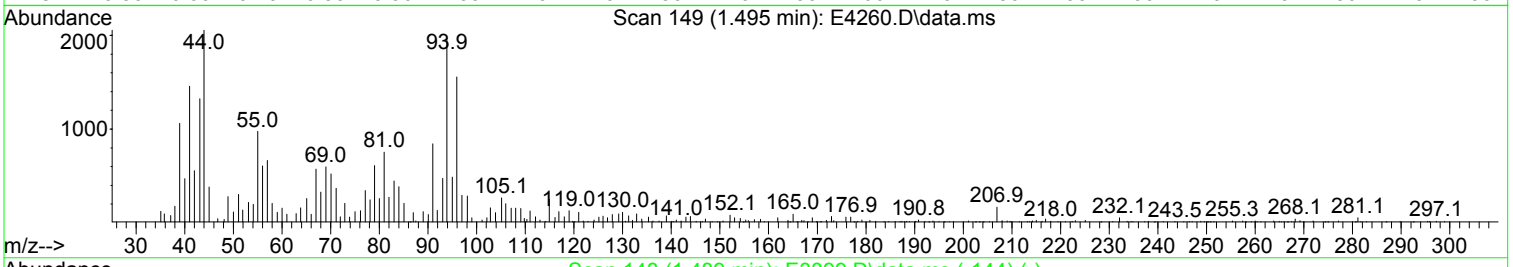
08/05/23

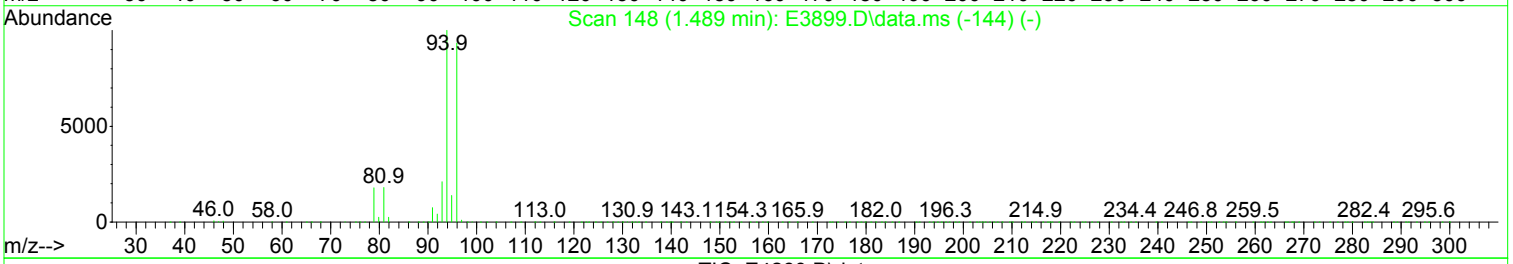
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4260.D
Acq On : 04 Aug 2023 04:47 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : WATER ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 05 09:35:27 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration







TIC: E4260.D\data.ms

(6) Bromomethane (P)

1.495min (+ 0.006) 1.24 ug/L m

response 3275

Ion	Exp%	Act%
94.00	100.00	100.00
96.00	93.40	78.86
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

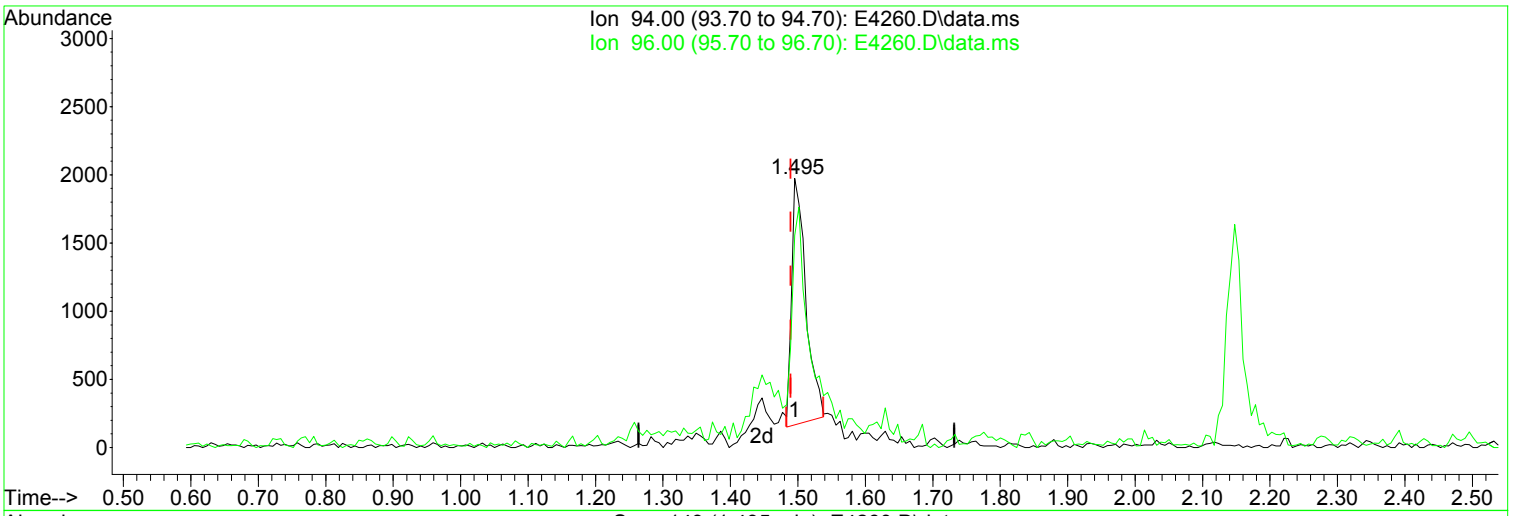
Poor integration.

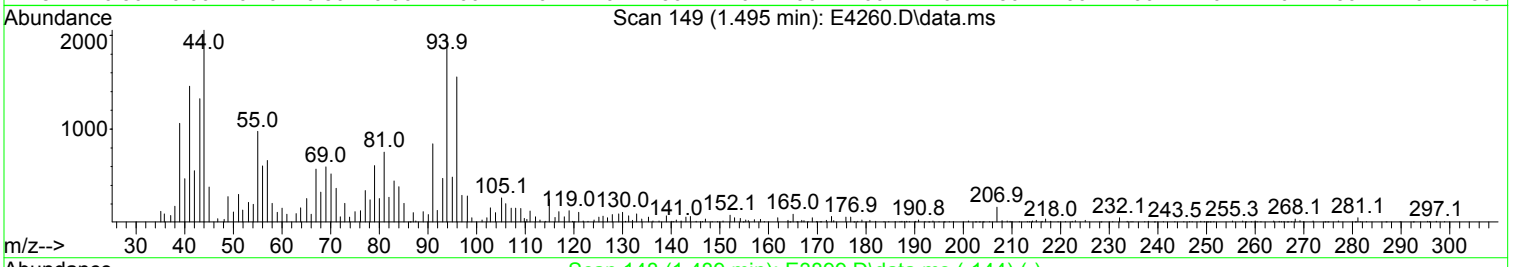
08/05/23

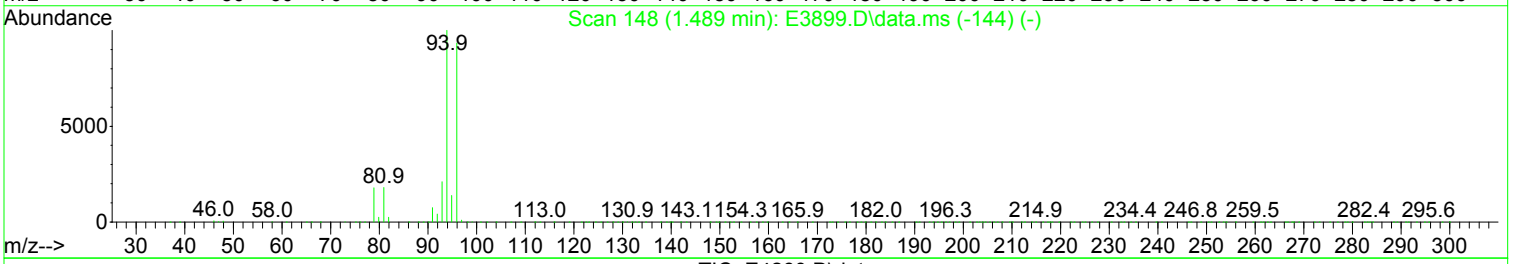
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4260.D
Acq On : 04 Aug 2023 04:47 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : WATER ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 05 09:35:27 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration







TIC: E4260.D\data.ms

(6) Bromomethane (P)

1.495min (+ 0.006) 0.99 ug/L

response 2633

Ion	Exp%	Act%
94.00	100.00	100.00
96.00	93.40	78.86
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

08/05/23

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4260.D
Acq On : 04 Aug 2023 04:47 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : WATER ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 05 09:35:27 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.086	168	364659	50.00	ug/L		0.00
43) 1,4-Difluorobenzene	6.245	114	530465	50.00	ug/L		0.00
71) d5-Chlorobenzene	9.616	117	466491	50.00	ug/L		0.00
91) 1,4-Dichlorobenzene-d4	11.683	152	220622	50.00	ug/L		0.00
System Monitoring Compounds							
45) surr4,Dibrflmethane	4.922	113	35158	10.02	ug/L		0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 20.04%#				
48) surr1,1,2-dichloroetha...	5.501	65	42568	10.59	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 21.18%#				
65) SURR3,Toluene-d8	8.104	98	133985	10.50	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 21.00%#				
70) SURR2,BFB	10.707	95	49012	10.08	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 20.16%#				
Target Compounds							Qvalue
2) Chlorodifluoromethane	1.099	51	3577	1.067	ug/L		89
3) Dichlorodifluoromethane	1.093	85	4471m	1.182	ug/L		
4) Chloromethane	1.221	50	3174	1.097	ug/L		95
5) Vinyl Chloride	1.282	62	4143	1.052	ug/L		99
6) Bromomethane	1.495	94	3275m	1.237	ug/L		
7) Chloroethane	1.569	64	3039	1.143	ug/L		98
8) Freon 21	1.709	67	5775	1.075	ug/L		100
9) Trichlorofluoromethane	1.758	101	5440	1.074	ug/L		97
10) Diethyl Ether	1.971	59	2698	1.133	ug/L		95
11) Freon 123a	1.977	67	3289	1.029	ug/L	#	70
12) Freon 123	2.032	83	4004	1.024	ug/L		86
13) Acrolein	2.069	56	2615	4.799	ug/L		82
14) 1,1-Diclethene	2.148	96	3016	1.091	ug/L	#	80
15) Freon 113	2.148	101	3225	1.070	ug/L		88
16) Acetone	2.203	43	2550	1.507	ug/L		97
17) 2-Propanol	2.325	45	5712	20.563	ug/L		95
18) Iodomethane	2.270	142	3842m	0.907	ug/L		
19) Carbon Disulfide	2.325	76	8473	1.032	ug/L		99
20) Acetonitrile	2.447	41	3307m	2.607	ug/L		
21) Allyl Chloride	2.459	76	1314	0.839	ug/L	#	74
22) Methyl Acetate	2.483	43	3941	1.029	ug/L		98
23) Methylene Chloride	2.568	84	3491	1.132	ug/L	#	90
24) TBA	2.709	59	10290	21.131	ug/L		97
25) Acrylonitrile	2.812	53	7467	5.221	ug/L		98
26) Methyl-t-Butyl Ether	2.861	73	10222	1.041	ug/L		95
27) trans-1,2-Dichloroethene	2.837	96	3651	1.164	ug/L	#	59
28) 1,1-Diclethane	3.312	63	5335	1.071	ug/L		87
29) Vinyl Acetate	3.398	86	626m	1.357	ug/L		
30) DIPE	3.428	45	9594	1.066	ug/L		94
31) 2-Chloro-1,3-Butadiene	3.422	53	4886	1.029	ug/L		92
32) ETBE	3.928	59	10182	1.090	ug/L		94
33) 2,2-Dichloropropane	4.086	77	5388	0.959	ug/L		98
34) cis-1,2-Dichloroethene	4.093	96	3718	1.089	ug/L	#	61
36) Propionitrile	4.245	54	3154	5.284	ug/L		71
37) Bromochloromethane	4.458	130	2368	1.138	ug/L	#	72
38) Methacrylonitrile	4.489	67	1619	1.022	ug/L		94
39) Tetrahydrofuran	4.611	42	1588	1.312	ug/L		88
40) Chloroform	4.635	83	6590	1.221	ug/L		89
41) 1,1,1-Trichloroethane	4.928	97	5504	1.085	ug/L		89

1st 08/05/23
2nd 08/07/23

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4260.D
Acq On : 04 Aug 2023 04:47 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : WATER ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 05 09:35:27 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) TAME	5.854	73	9871	1.082	ug/L		94
44) Cyclohexane	5.001	41	3174m	1.177	ug/L		
46) Carbontetrachloride	5.226	117	4456	1.011	ug/L		94
47) 1,1-Dichloropropene	5.239	75	4275	1.061	ug/L		87
49) Benzene	5.580	78	12436	1.080	ug/L		93
50) 1,2-Dichloroethane	5.623	62	4922	1.092	ug/L		92
51) Iso-Butyl Alcohol	5.659	43	3176	16.656	ug/L		100
52) n-Heptane	6.098	43	4566	1.104	ug/L		97
53) 1-Butanol	6.665	56	5893m	50.773	ug/L		
54) Trichloroethene	6.580	130	3952	1.106	ug/L	#	85
55) Methylcyclohexane	6.818	55	4894m	1.328	ug/L		
56) 1,2-Diclpropane	6.873	63	3084	1.032	ug/L		90
57) Dibromomethane	7.019	93	2462	1.122	ug/L	#	81
58) 1,4-Dioxane	7.116	88	1179	21.411	ug/L		97
59) Methyl Methacrylate	7.122	69	2666	0.982	ug/L		95
60) Bromodichloromethane	7.251	83	5110	1.108	ug/L		97
61) 2-Nitropropane	7.555	41	2560	2.186	ug/L		83
62) 2-Chloroethylvinyl Ether	7.677	63	2176	1.136	ug/L		90
63) cis-1,3-Dichloropropene	7.805	75	5537	1.076	ug/L		100
64) 4-Methyl-2-pentanone	8.037	43	4319	1.132	ug/L		93
66) Toluene	8.177	91	14083	1.074	ug/L		98
67) trans-1,3-Dichloropropene	8.464	75	4966	1.043	ug/L		96
68) Ethyl Methacrylate	8.616	69	5076	0.947	ug/L		77
69) 1,1,2-Trichloroethane	8.653	97	3414	1.087	ug/L		90
72) Tetrachloroethene	8.775	164	3479	1.229	ug/L	#	75
73) 2-Hexanone	8.964	43	2942	1.056	ug/L		97
74) 1,3-Dichloropropane	8.823	76	5599	1.118	ug/L		92
75) Dibromochloromethane	9.049	129	3973	0.953	ug/L		99
76) N-Butyl Acetate	9.116	43	5932	1.070	ug/L		92
77) 1,2-Dibromoethane	9.140	107	3730	1.122	ug/L		90
78) 3-Chlorobenzotrifluoride	9.677	180	5466	1.063	ug/L		93
79) Chlorobenzene	9.646	112	9603	1.103	ug/L		93
80) 4-Chlorobenzotrifluoride	9.726	180	4753	1.027	ug/L		97
81) 1,1,1,2-Tetrachloroethane	9.738	131	3814	1.098	ug/L		95
82) Ethylbenzene	9.768	106	5090	1.123	ug/L	#	84
83) (m+p)Xylene	9.884	106	12023	2.124	ug/L		89
84) o-Xylene	10.244	106	6079	1.093	ug/L	#	83
85) Styrene	10.262	104	9879	1.048	ug/L		89
86) Bromoform	10.409	173	2747	0.974	ug/L		97
87) 2-Chlorobenzotrifluoride	10.494	180	5404	1.075	ug/L		89
88) Isopropylbenzene	10.579	105	14983	1.094	ug/L		98
89) Cyclohexanone	10.652	55	14355	20.747	ug/L		99
90) trans-1,4-Dichloro-2-B...	10.902	53	1382	1.025	ug/L		98
92) 1,1,2,2-Tetrachloroethane	10.854	83	4667	1.192	ug/L		96
93) Bromobenzene	10.823	156	4302	1.159	ug/L		89
94) 1,2,3-Trichloropropane	10.878	110	1586	1.171	ug/L	#	85
95) n-Propylbenzene	10.939	91	17080	1.167	ug/L		94
96) 2-Chlorotoluene	11.000	91	10372	1.170	ug/L		93
97) 3-Chlorotoluene	11.055	91	10722	1.181	ug/L		93
98) 4-Chlorotoluene	11.091	91	12642	1.170	ug/L		93
99) 1,3,5-Trimethylbenzene	11.091	105	13676	1.211	ug/L		98
100) tert-Butylbenzene	11.366	119	11542	1.203	ug/L		95
101) 1,2,4-Trimethylbenzene	11.408	105	12788	1.176	ug/L		98
102) 3,4-Dichlorobenzotrifl...	11.469	214	4170	1.141	ug/L		96
103) sec-Butylbenzene	11.549	105	16608	1.210	ug/L		99
104) p-Isopropyltoluene	11.670	119	14024	1.164	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4260.D
Acq On : 04 Aug 2023 04:47 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : WATER ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 05 09:35:27 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration

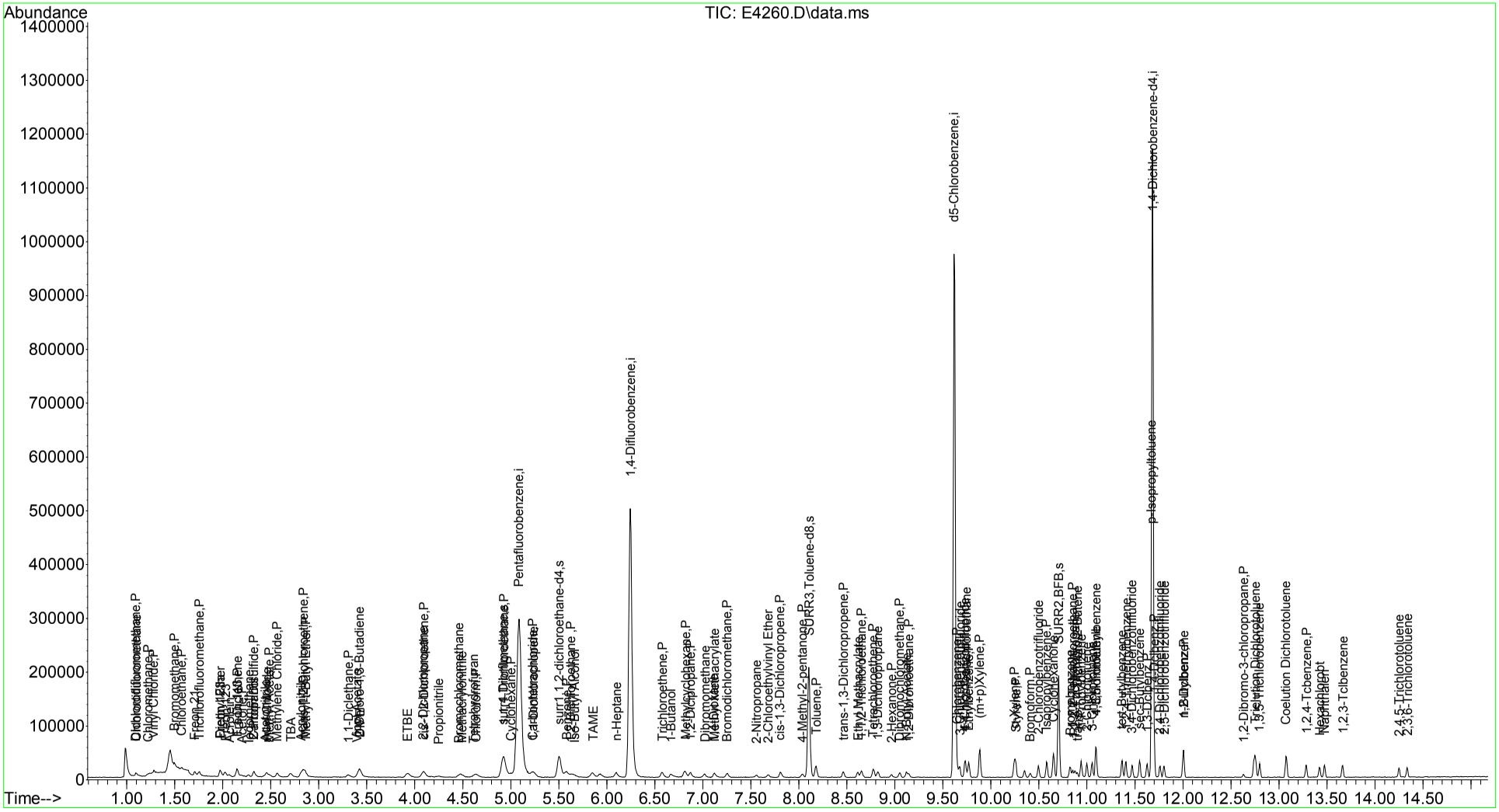
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
105) 1,3-Dclbenz	11.628	146	8092	1.203	ug/L	91
106) 1,4-Dclbenz	11.701	146	8157	1.185	ug/L	89
107) 2,4-Dichlorobenzotrifl...	11.762	214	3643	1.113	ug/L	95
108) 2,5-Dichlorobenzotrifl...	11.805	214	4215	1.162	ug/L	98
109) n-Butylbenzene	12.006	91	11440	1.105	ug/L	92
110) 1,2-Dclbenz	12.006	146	7418	1.126	ug/L	94
111) 1,2-Dibromo-3-chloropr...	12.634	157	1125	1.041	ug/L	85
112) Trielution Dichlorotol...	12.750	125	19208	3.413	ug/L	89
113) 1,3,5-Trichlorobenzene	12.798	180	5367	1.085	ug/L	98
114) Coelution Dichlorotoluene	13.073	125	12987	2.183	ug/L	98
115) 1,2,4-Tcbenzene	13.286	180	5531	1.109	ug/L	98
116) Hexachlorobt	13.420	225	2772	1.193	ug/L	92
117) Naphthalen	13.475	128	13590	1.099	ug/L	100
118) 1,2,3-Tclbenzene	13.664	180	5274	1.092	ug/L	98
119) 2,4,5-Trichlorotoluene	14.249	159	3435	1.091	ug/L	95
120) 2,3,6-Trichlorotoluene	14.335	159	3020	1.027	ug/L	94

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4260.D
Acq On : 04 Aug 2023 04:47 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : WATER ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 05 09:35:27 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration



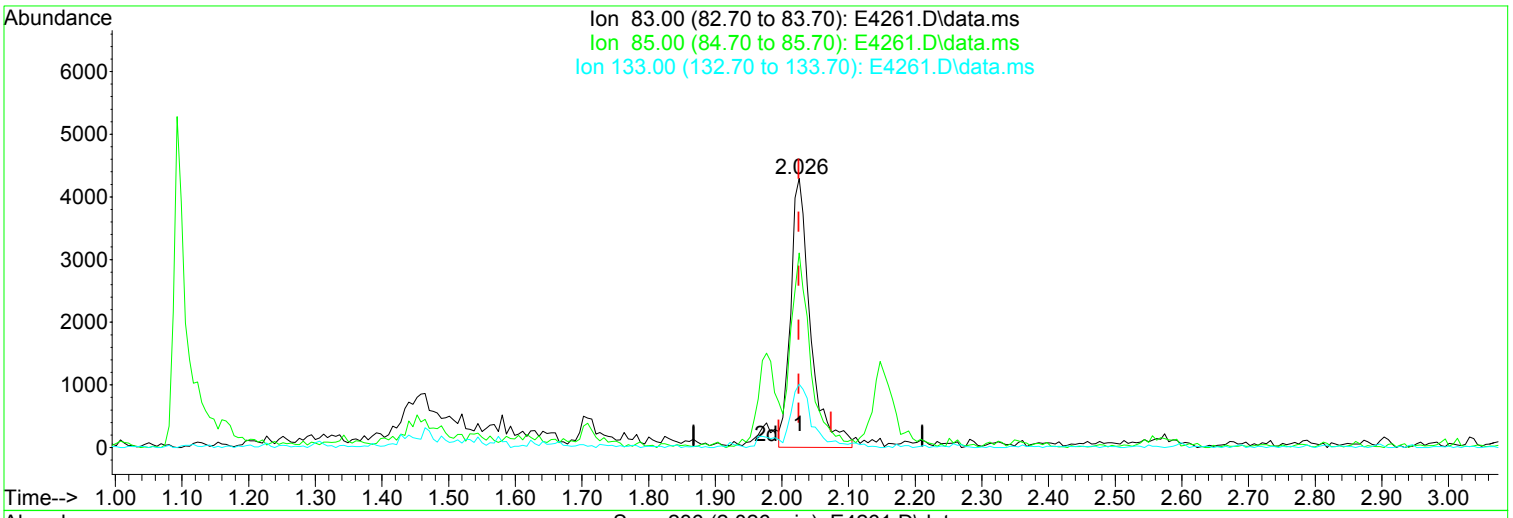
1st 08/05/23
2nd 08/07/23

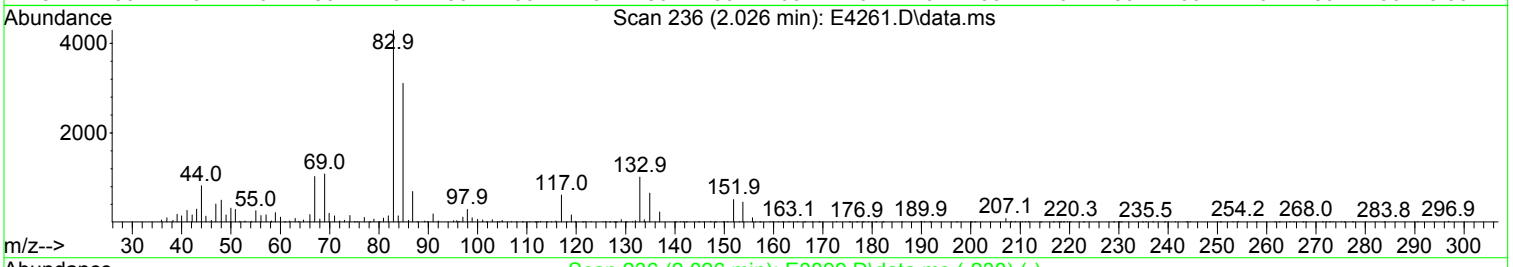
1st 08/05/23
2nd 08/07/23

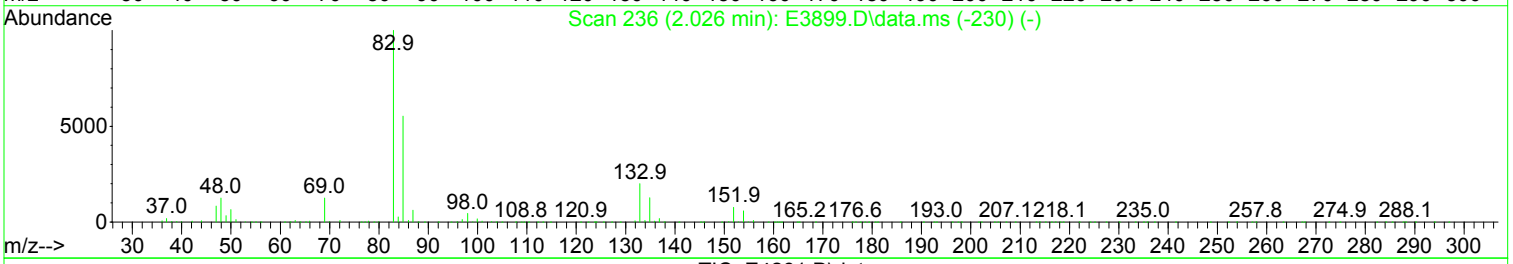
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4261.D
Acq On : 04 Aug 2023 05:10 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 05 09:35:31 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration







TIC: E4261.D\data.ms

(12) Freon 123

2.026min (-0.000) 2.25 ug/L m

response 8855

Ion	Exp%	Act%
83.00	100.00	100.00
85.00	71.70	72.37
133.00	20.70	23.60
0.00	0.00	0.00

Manual Integration:

After

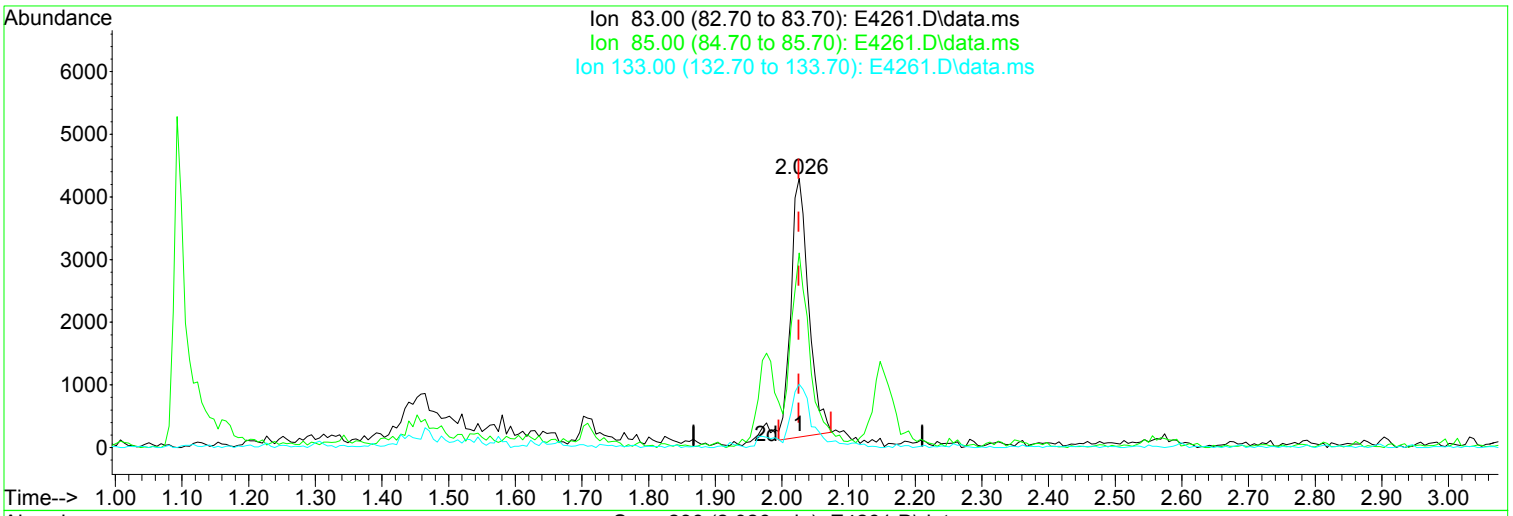
Poor integration.

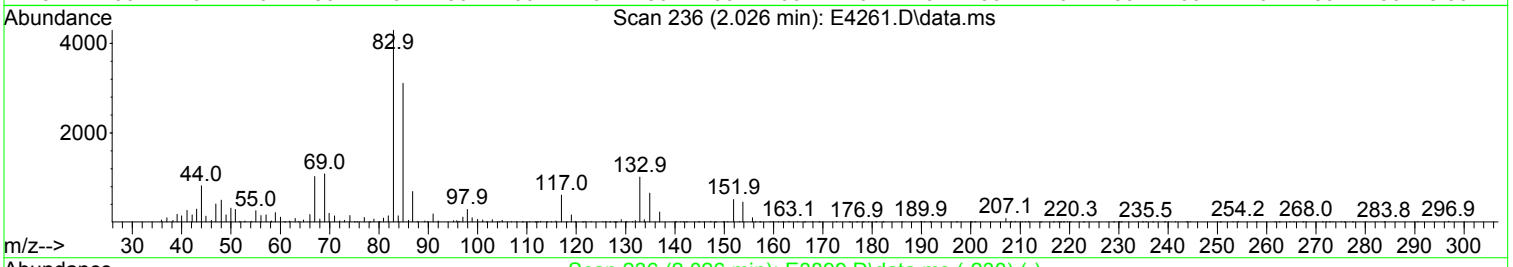
08/05/23

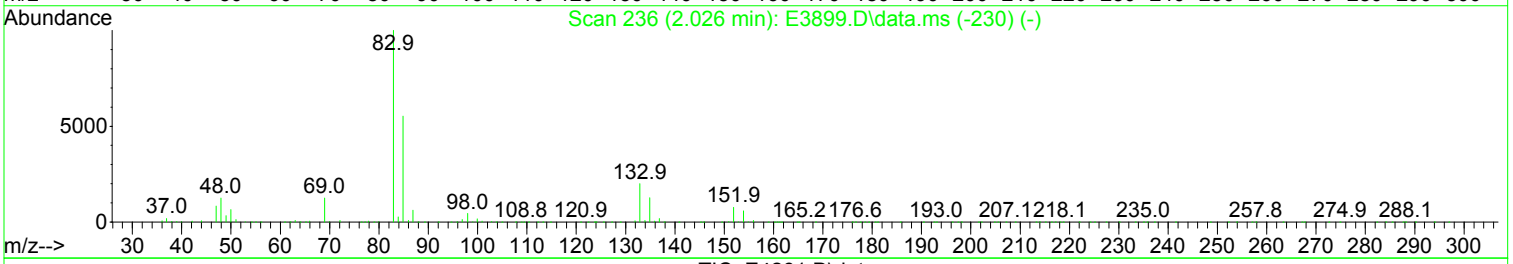
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4261.D
Acq On : 04 Aug 2023 05:10 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 05 09:35:31 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration







TIC: E4261.D\data.ms

(12) Freon 123

2.026min (-0.000) 1.94 ug/L

response 7606

Ion	Exp%	Act%
83.00	100.00	100.00
85.00	71.70	72.37
133.00	20.70	23.60
0.00	0.00	0.00

Manual Integration:

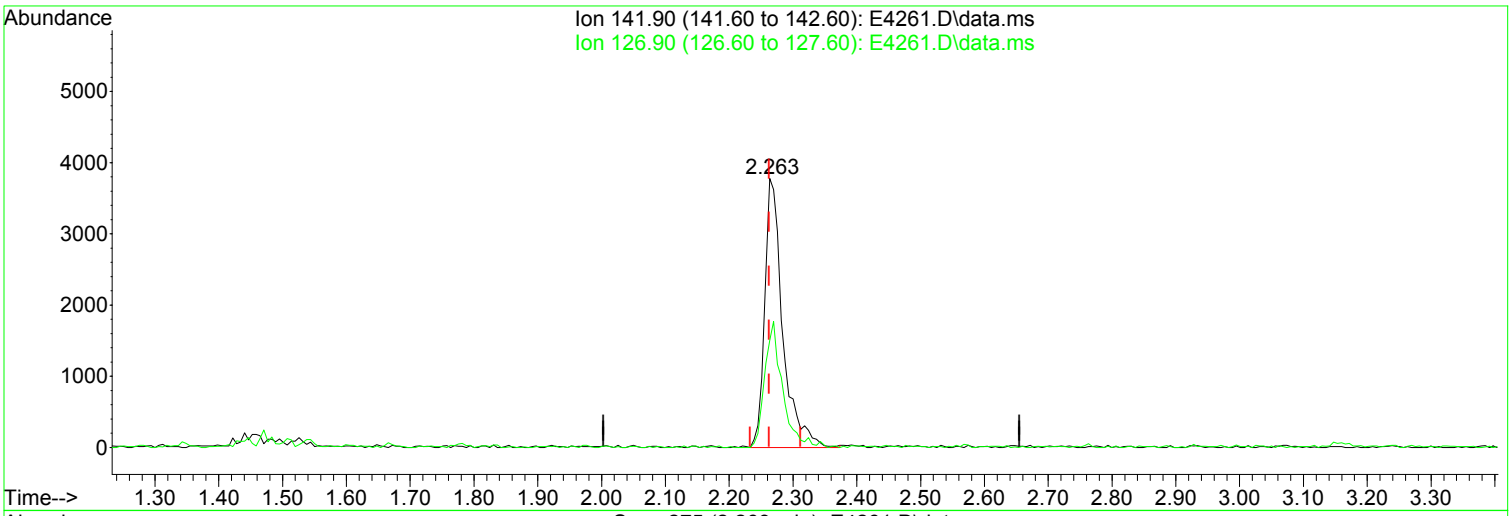
Before

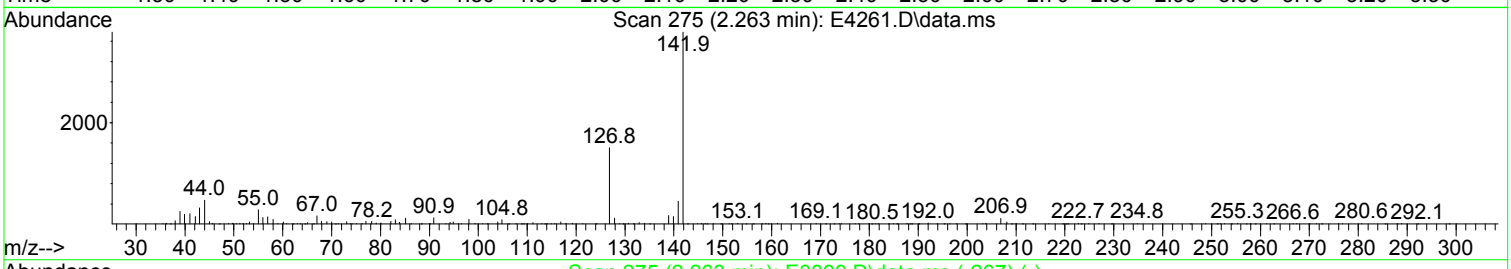
08/05/23

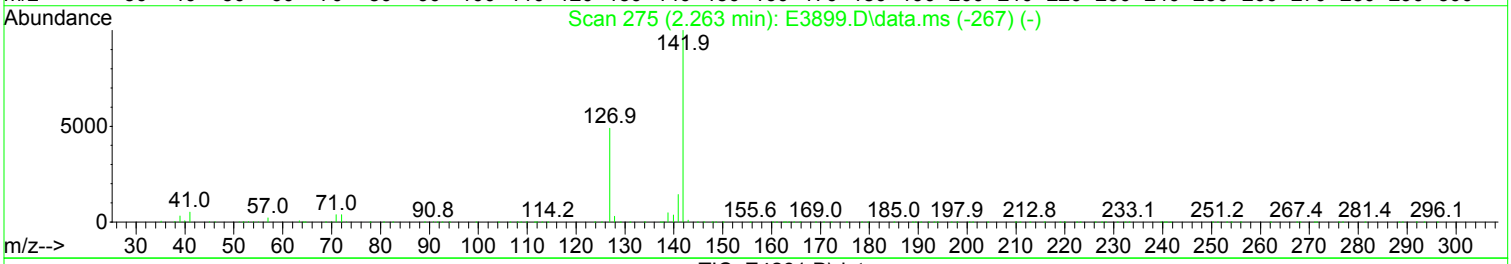
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4261.D
Acq On : 04 Aug 2023 05:10 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 05 09:35:31 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration







TIC: E4261.D\data.ms

(18) Iodomethane

2.263min (+ 0.000) 1.75 ug/L m

response 7437

Ion	Exp%	Act%
141.90	100.00	100.00
126.90	48.90	39.82
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

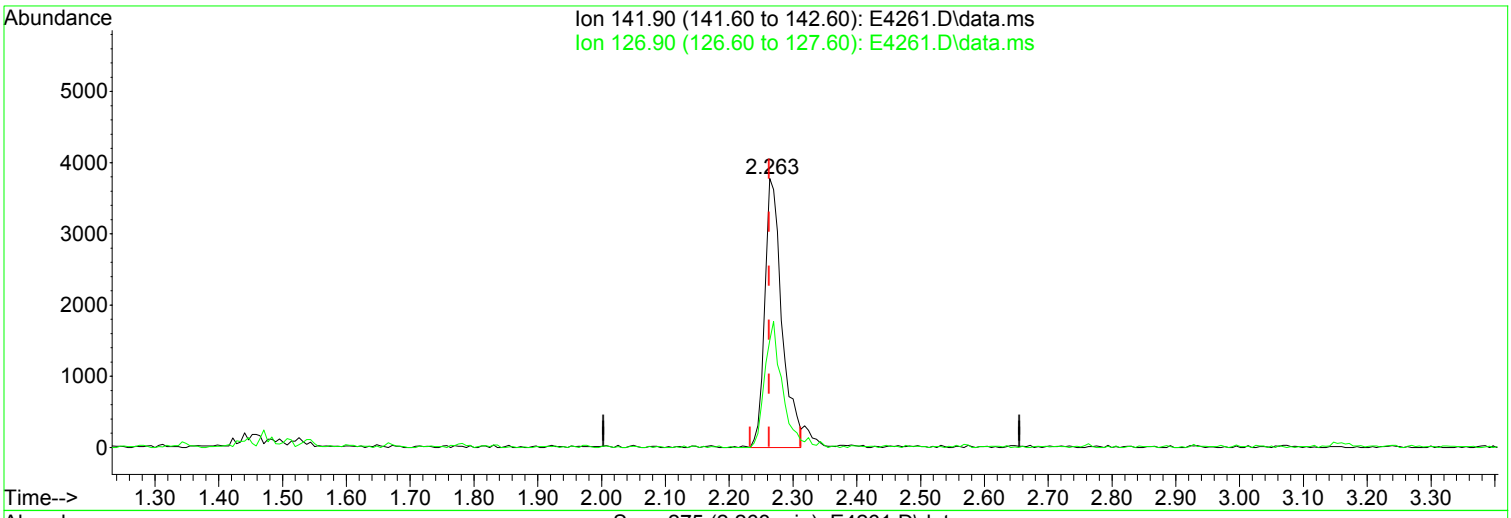
Poor integration.

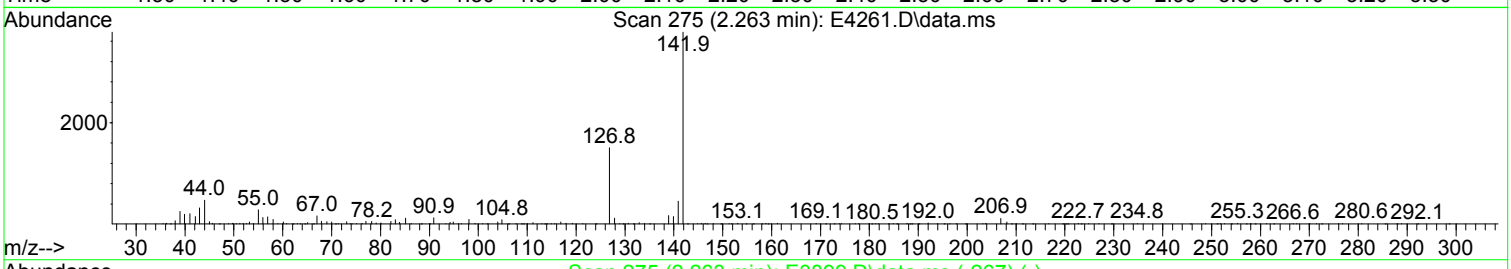
08/05/23

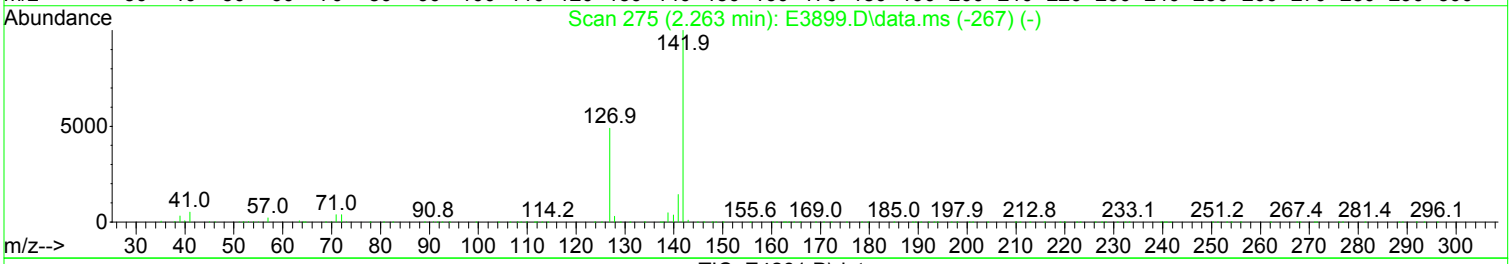
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4261.D
Acq On : 04 Aug 2023 05:10 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 05 09:35:31 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration







TIC: E4261.D\data.ms

(18) Iodomethane

2.263min (+ 0.000) 1.66 ug/L

response 7083

Ion	Exp%	Act%
141.90	100.00	100.00
126.90	48.90	39.82
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

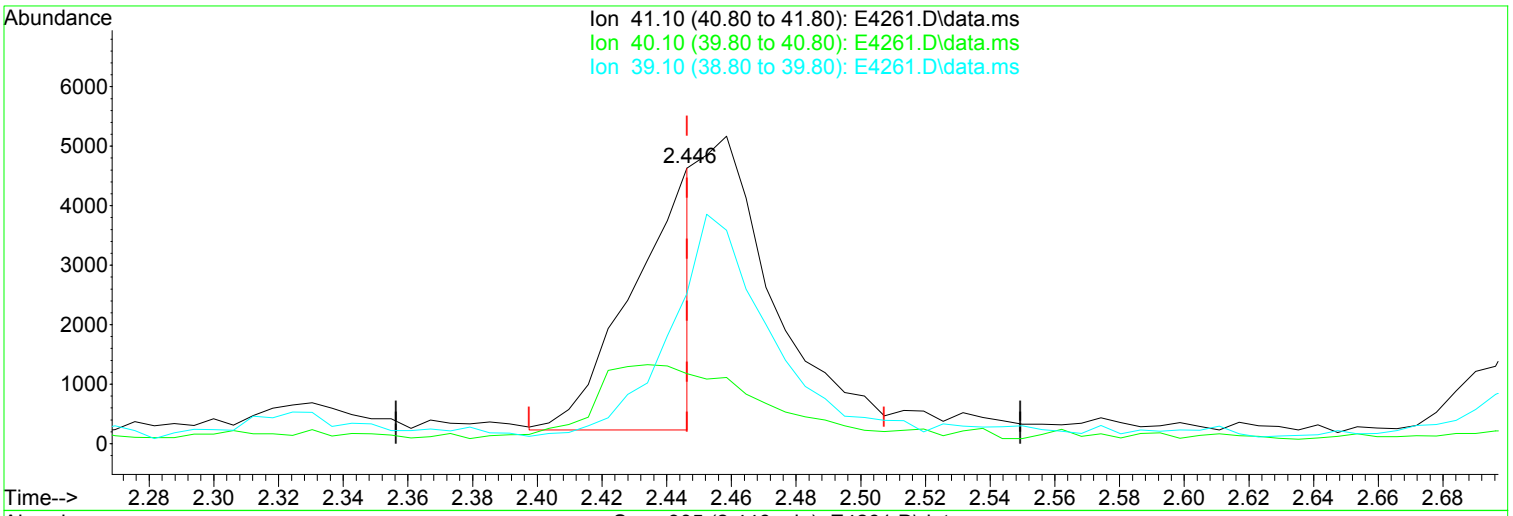
Before

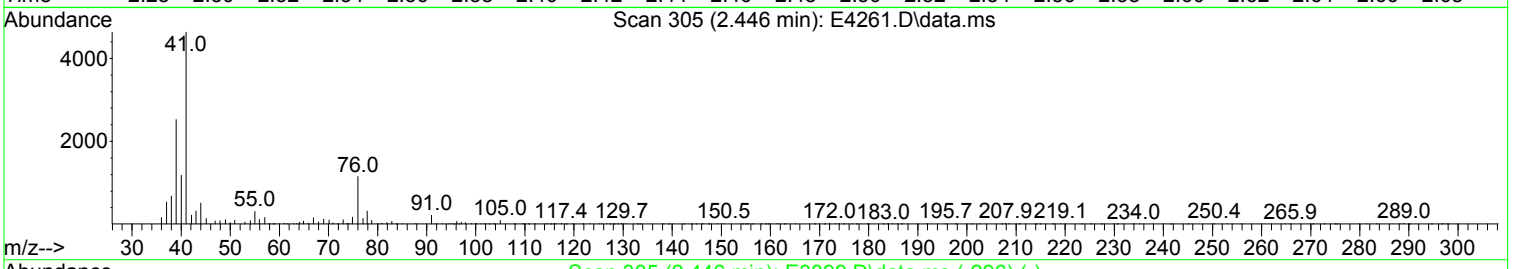
08/05/23

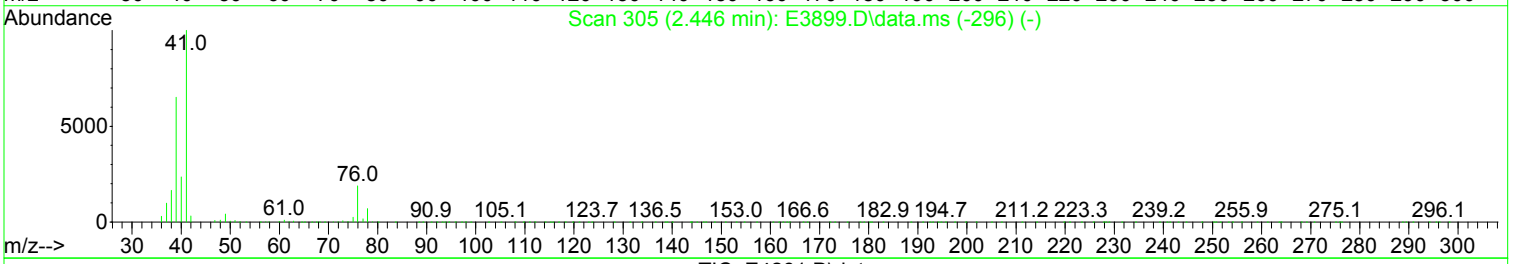
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4261.D
Acq On : 04 Aug 2023 05:10 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 05 09:35:31 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration







TIC: E4261.D\data.ms

(20) Acetonitrile

2.446min (-0.000) 4.56 ug/L m

response 5810

Ion	Exp%	Act%
41.10	100.00	100.00
40.10	23.60	25.47
39.10	65.30	54.47
0.00	0.00	0.00

Manual Integration:

After

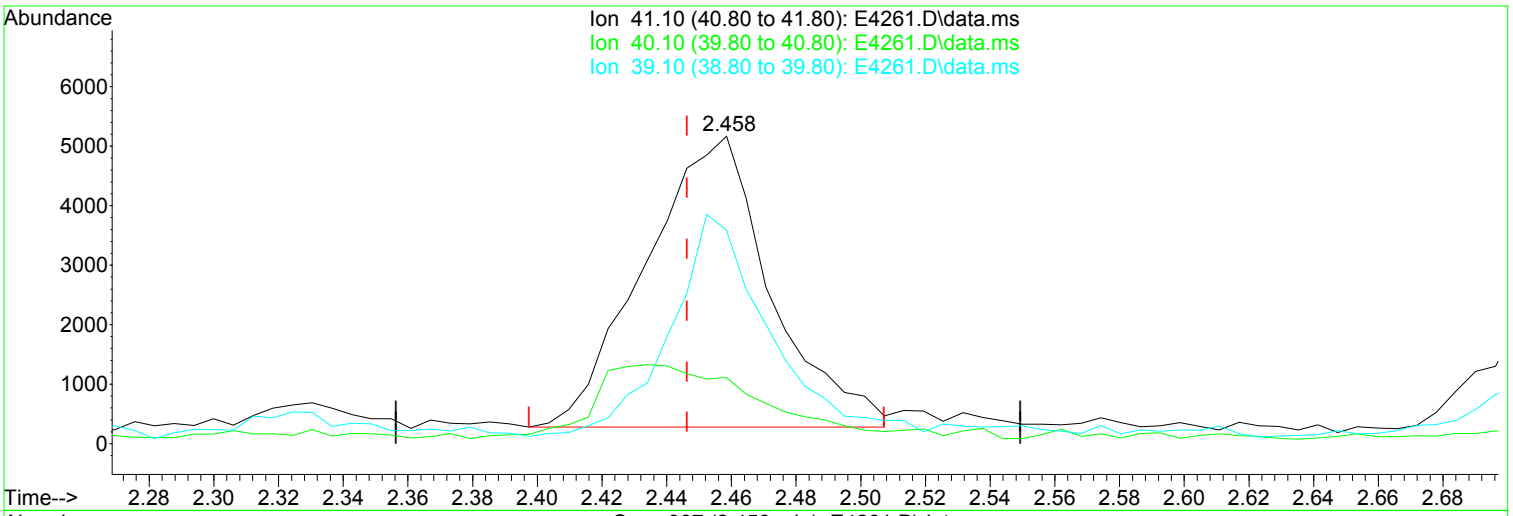
Poor integration.

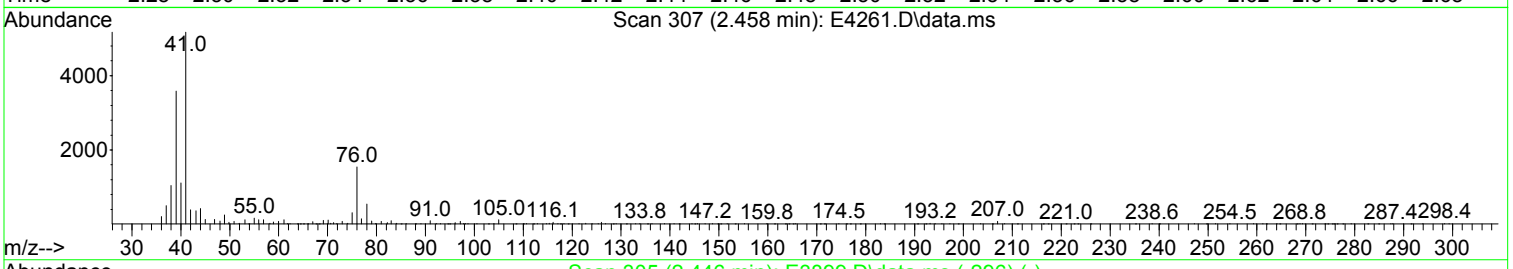
08/05/23

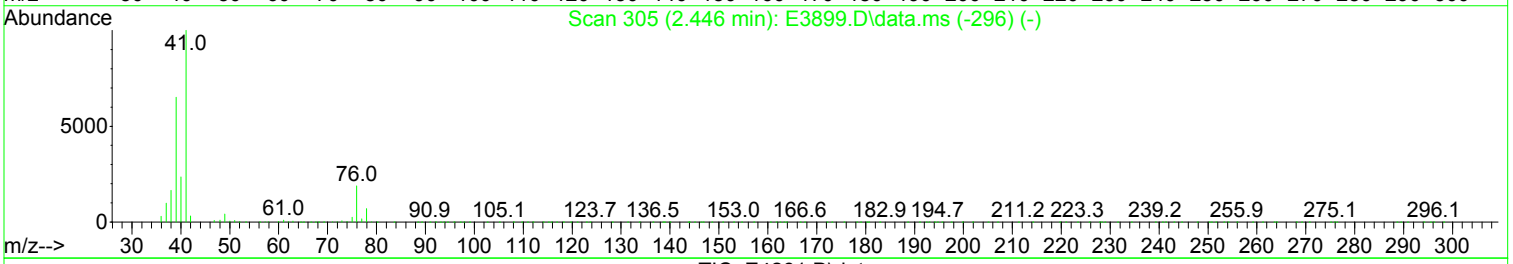
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4261.D
Acq On : 04 Aug 2023 05:10 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 05 09:35:31 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration







TIC: E4261.D\data.ms

(20) Acetonitrile

2.458min (+ 0.012) 10.36 ug/L

response 13199

Ion	Exp%	Act%
41.10	100.00	100.00
40.10	23.60	21.55
39.10	65.30	69.41
0.00	0.00	0.00

Manual Integration:

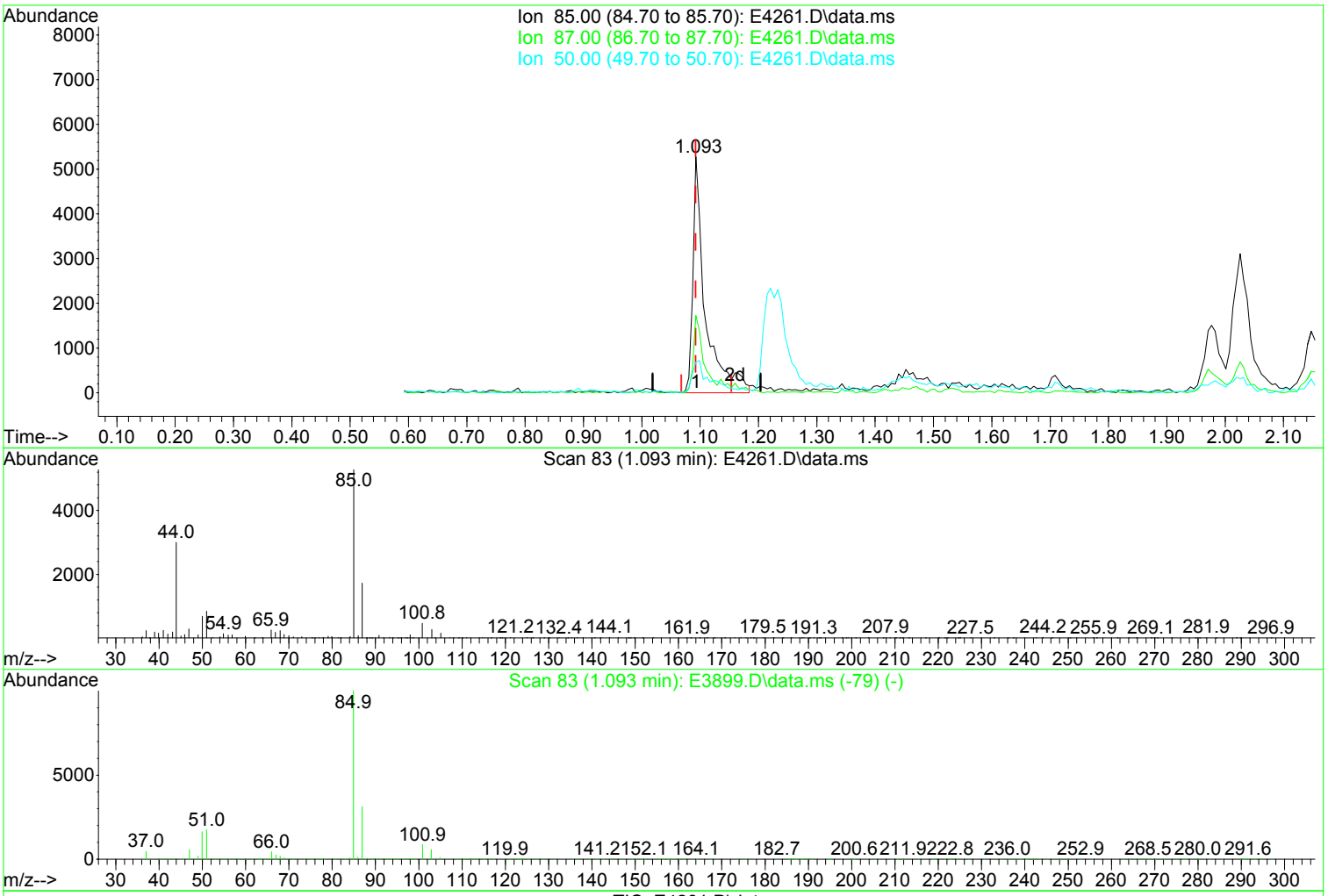
Before

08/05/23

1st 08/05/23
2nd 08/07/23

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4261.D
Acq On : 04 Aug 2023 05:10 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 05 09:35:31 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration



TIC: E4261.D\data.ms

(3) Dichlorodifluoromethane (P)

1.093min (-0.000) 2.05 ug/L m

response 7799

Ion	Exp%	Act%
85.00	100.00	100.00
87.00	31.30	32.74
50.00	16.40	13.00
0.00	0.00	0.00

Manual Integration:

After

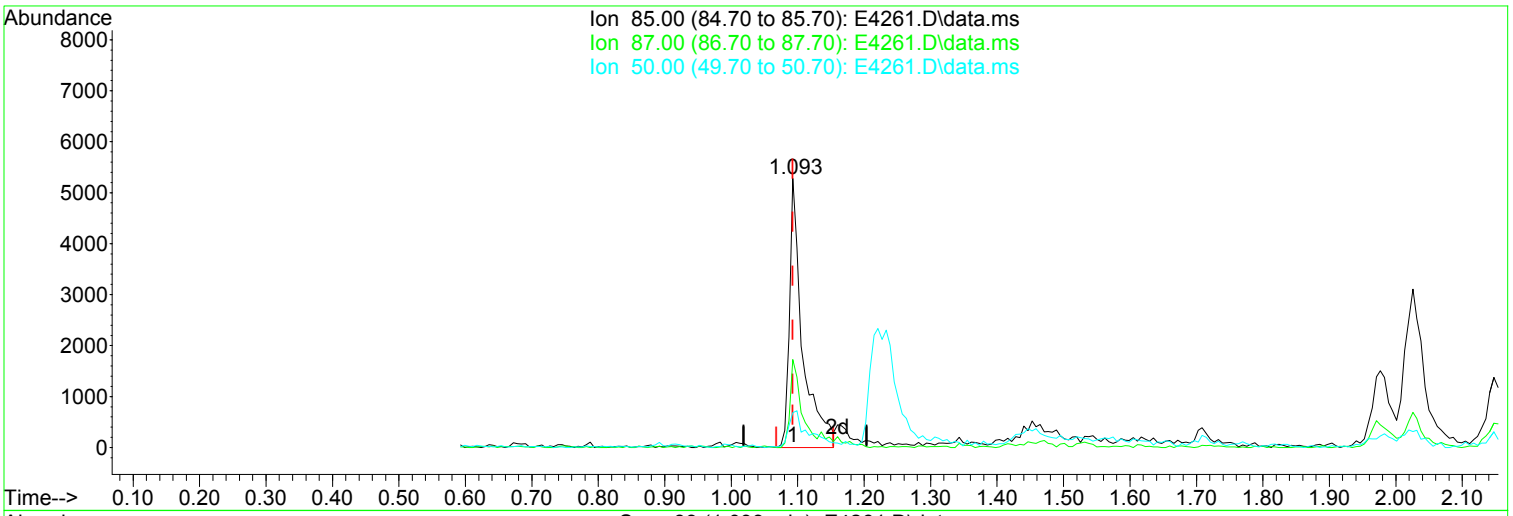
Poor integration.

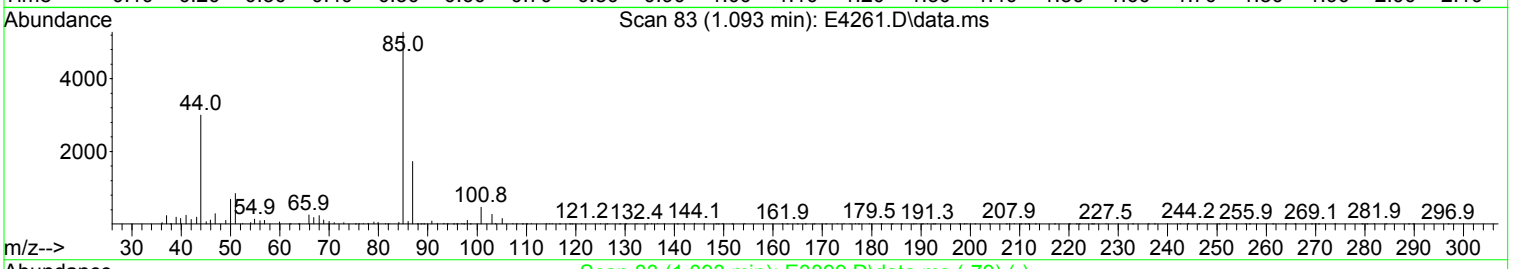
08/05/23

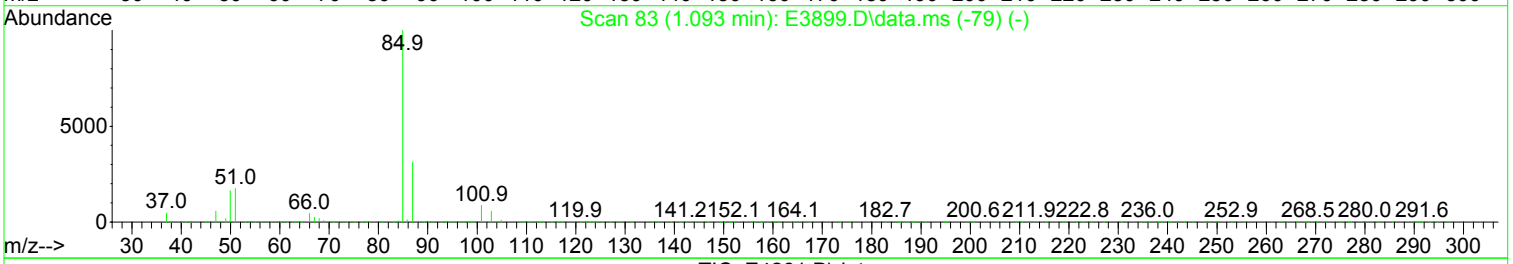
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4261.D
Acq On : 04 Aug 2023 05:10 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 05 09:35:31 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration







TIC: E4261.D\data.ms

(3) Dichlorodifluoromethane (P)

1.093min (-0.000) 1.90 ug/L

response 7224

Ion	Exp%	Act%
85.00	100.00	100.00
87.00	31.30	32.74
50.00	16.40	13.00
0.00	0.00	0.00

Manual Integration:

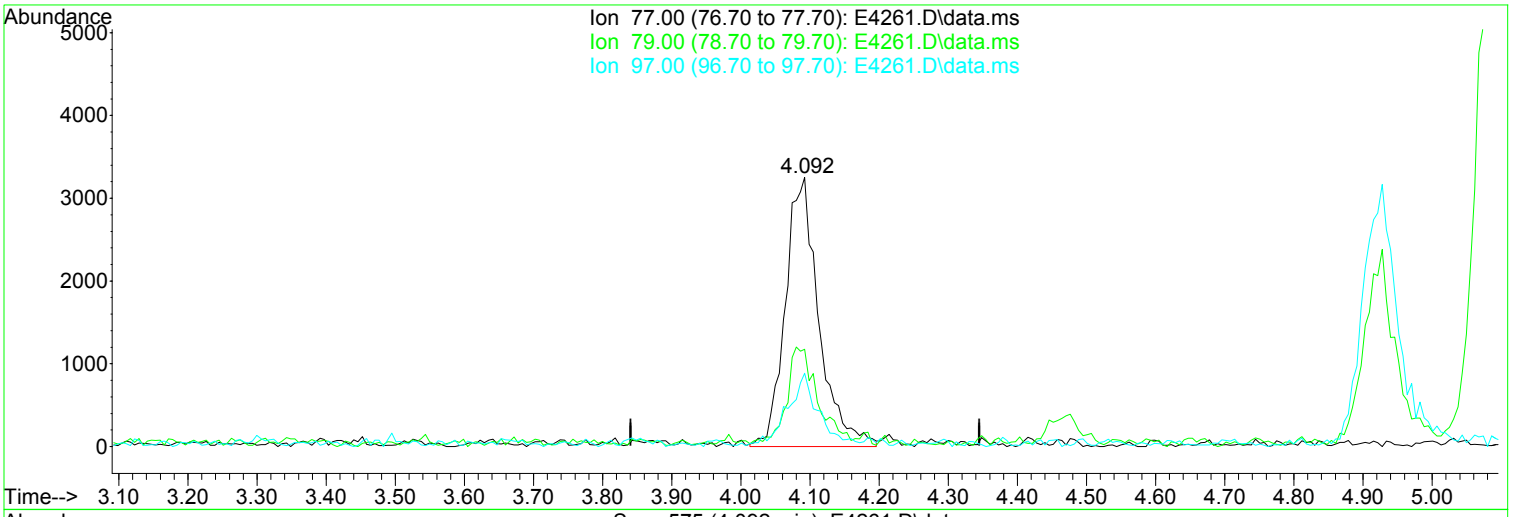
Before

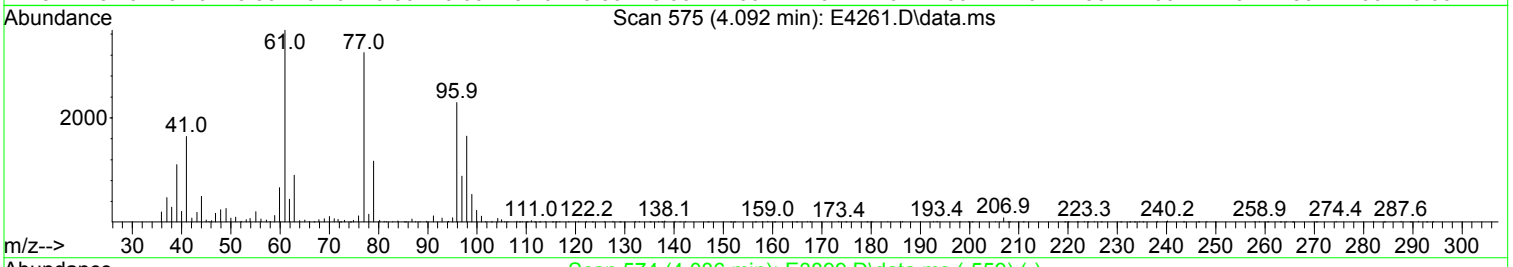
08/05/23

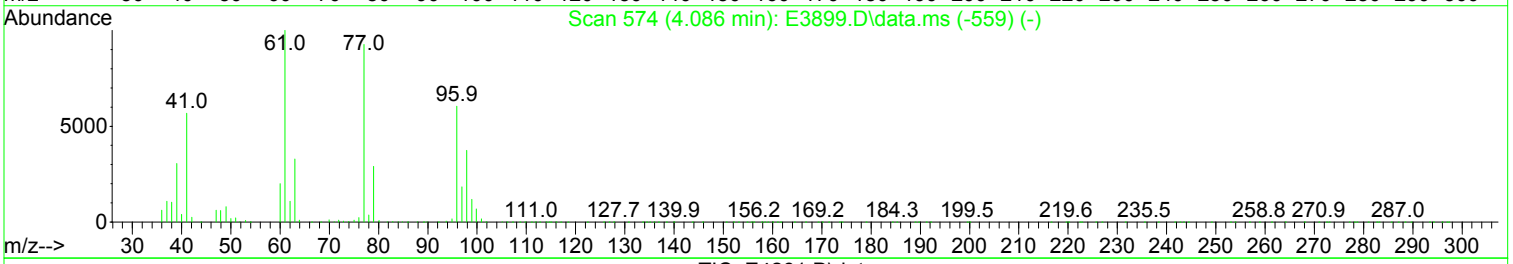
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4261.D
Acq On : 04 Aug 2023 05:10 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 05 09:35:31 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration







TIC: E4261.D\data.ms

(33) 2,2-Dichloropropane

4.092min (+ 0.006) 1.93 ug/L m

response 10908

Ion	Exp%	Act%
77.00	100.00	100.00
79.00	31.40	36.15
97.00	19.80	27.29
0.00	0.00	0.00

Manual Integration:

After

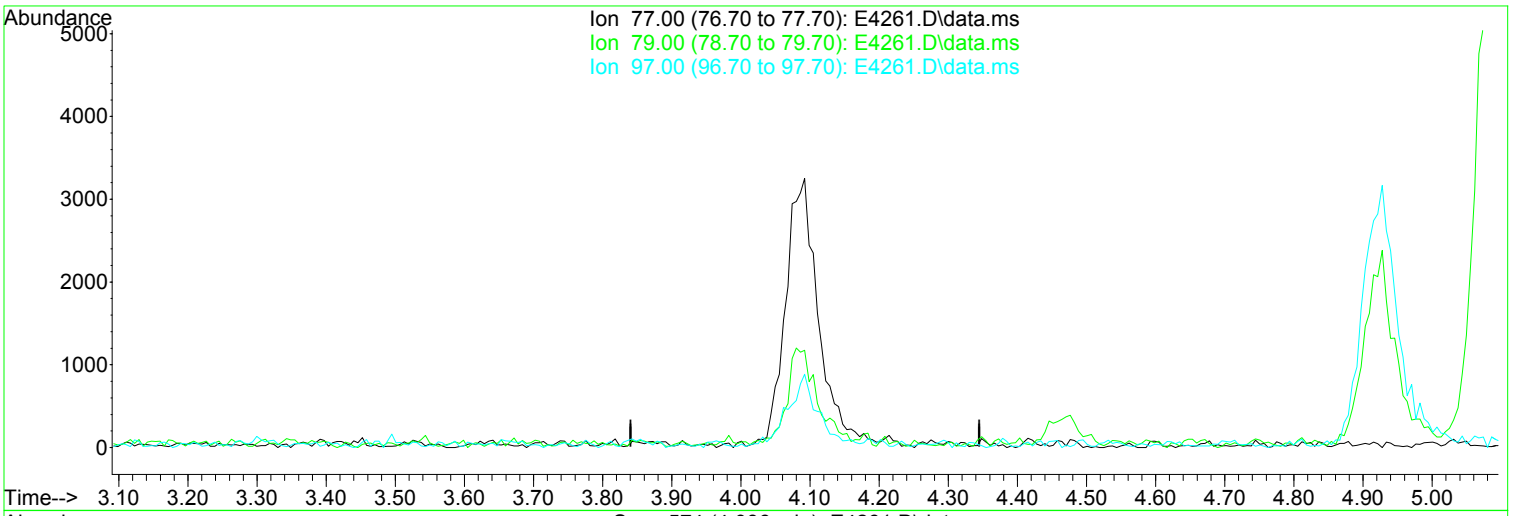
Peak not found.

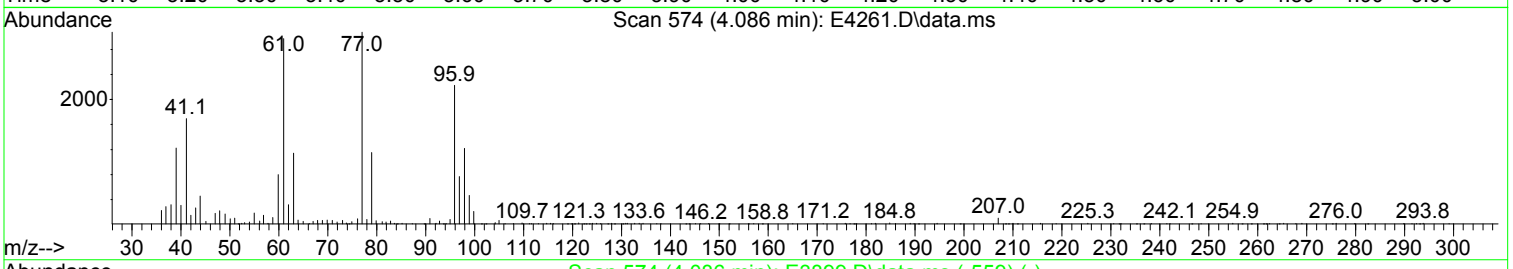
08/05/23

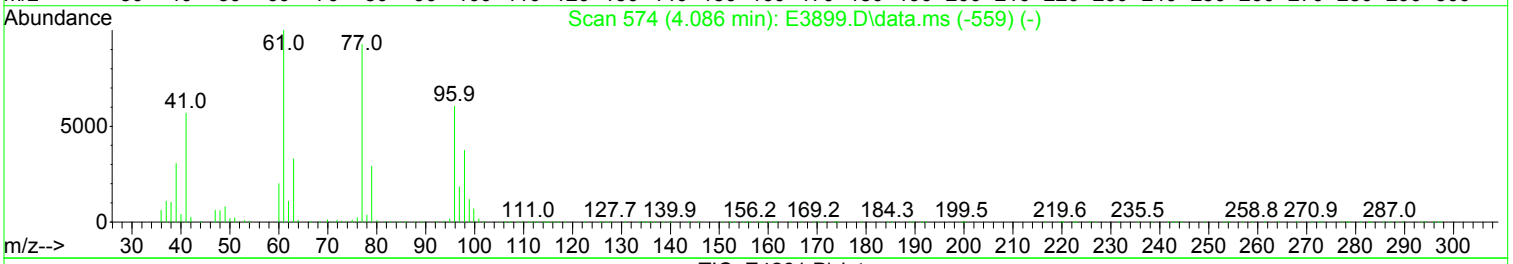
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4261.D
Acq On : 04 Aug 2023 05:10 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 05 09:35:31 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration







TIC: E4261.D\data.ms

(33) 2,2-Dichloropropane

4.086min (-4.086) 0.00 ug/L

response 0

Ion	Exp%	Act%
77.00	100.00	0.00
79.00	31.40	0.00#
97.00	19.80	0.00
0.00	0.00	0.00

Manual Integration:

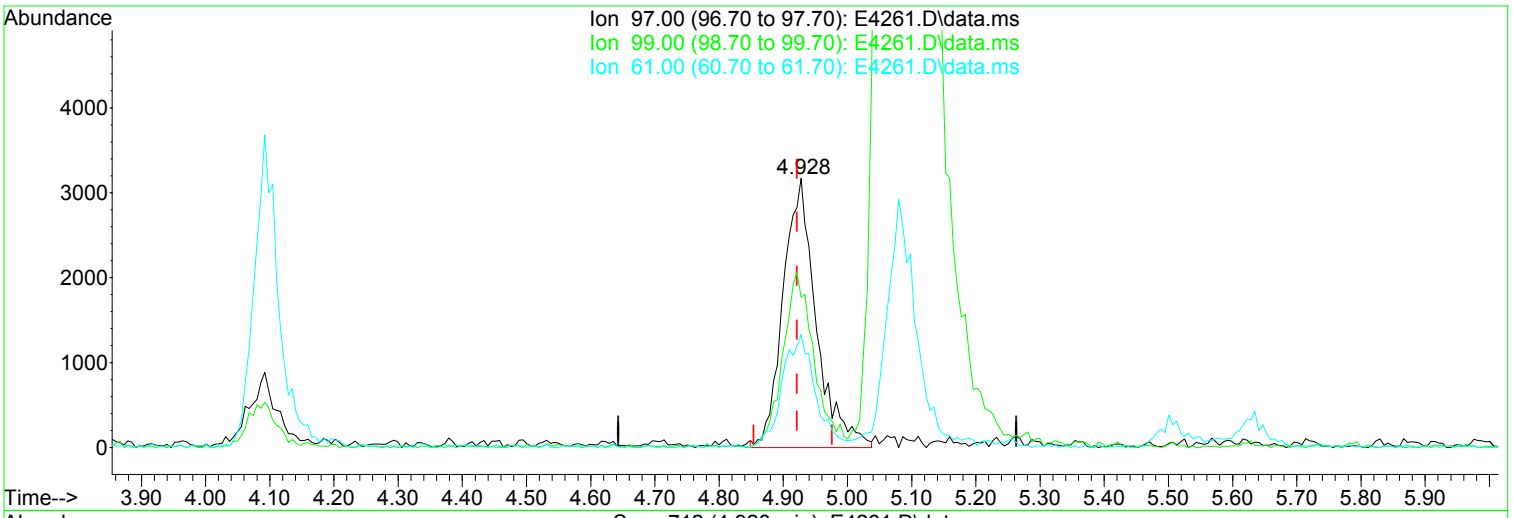
Before

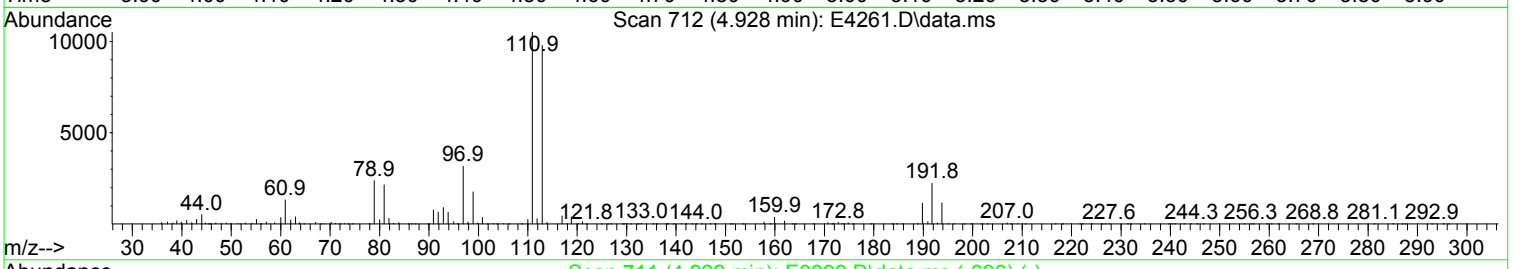
08/05/23

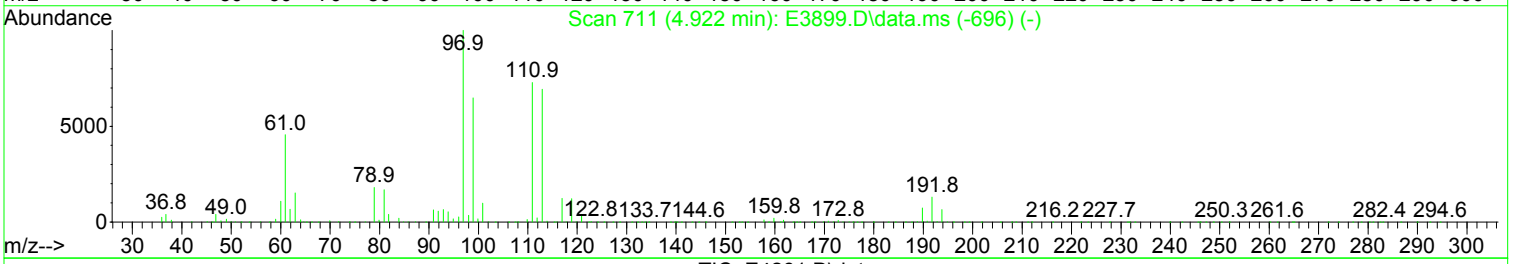
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4261.D
Acq On : 04 Aug 2023 05:10 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 05 09:35:31 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration







TIC: E4261.D\data.ms

(41) 1,1,1-Trichloroethane (P)

4.928min (+ 0.006) 2.23 ug/L m

response 11340

Ion	Exp%	Act%
97.00	100.00	100.00
99.00	64.80	55.93
61.00	45.60	41.98
0.00	0.00	0.00

Manual Integration:

After

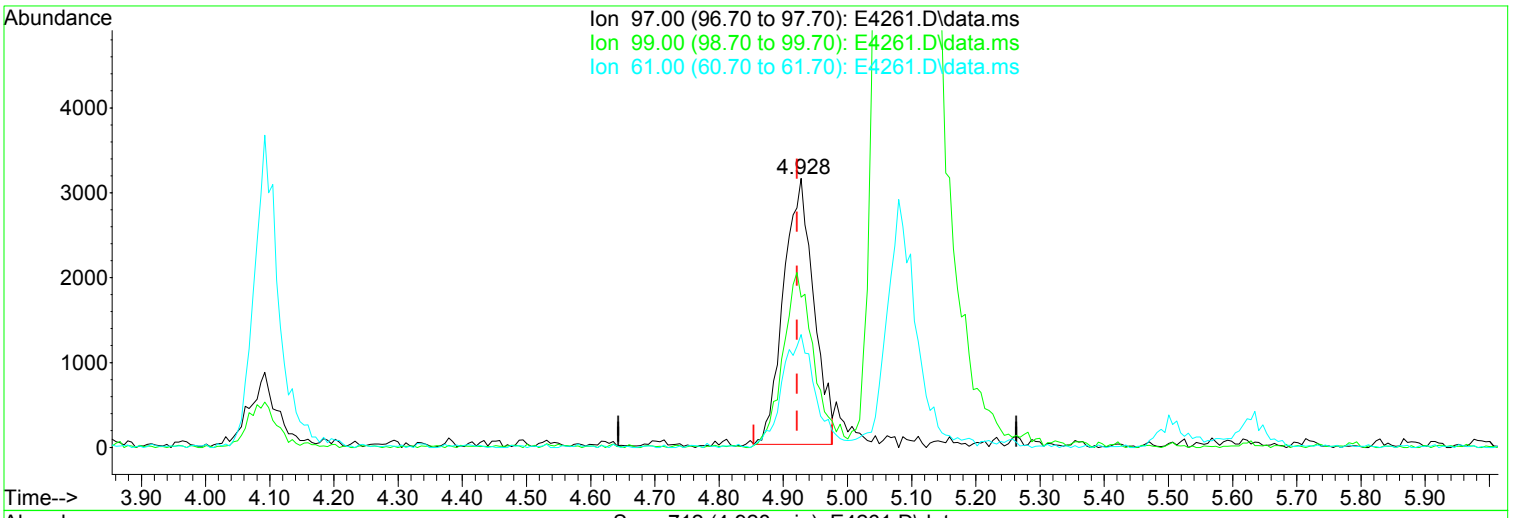
Poor integration.

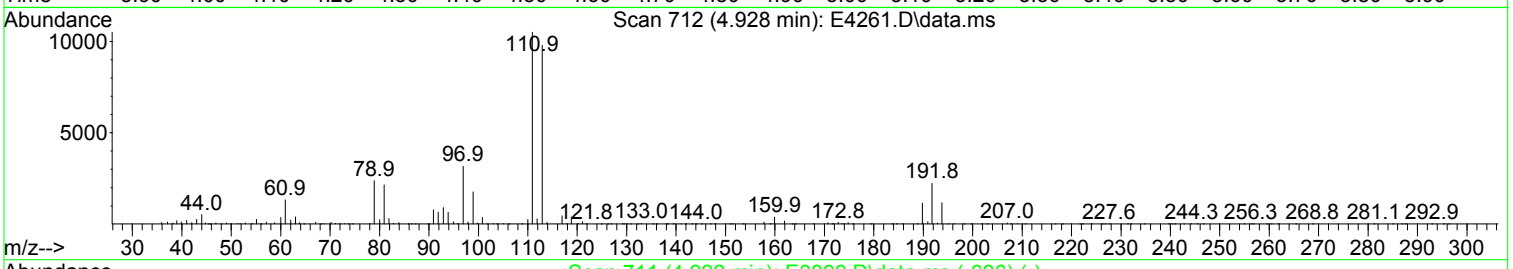
08/05/23

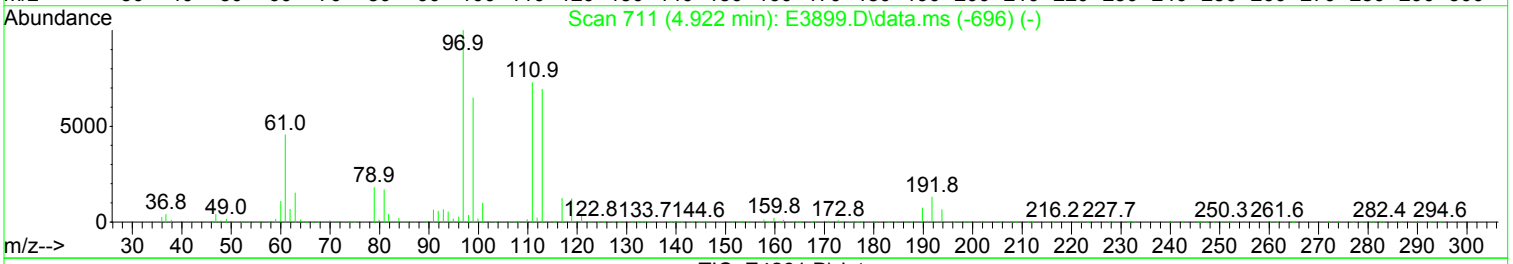
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4261.D
Acq On : 04 Aug 2023 05:10 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 05 09:35:31 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration







TIC: E4261.D\data.ms

(41) 1,1,1-Trichloroethane (P)

4.928min (+ 0.006) 2.01 ug/L

response 10246

Ion	Exp%	Act%
97.00	100.00	100.00
99.00	64.80	55.93
61.00	45.60	41.98
0.00	0.00	0.00

Manual Integration:

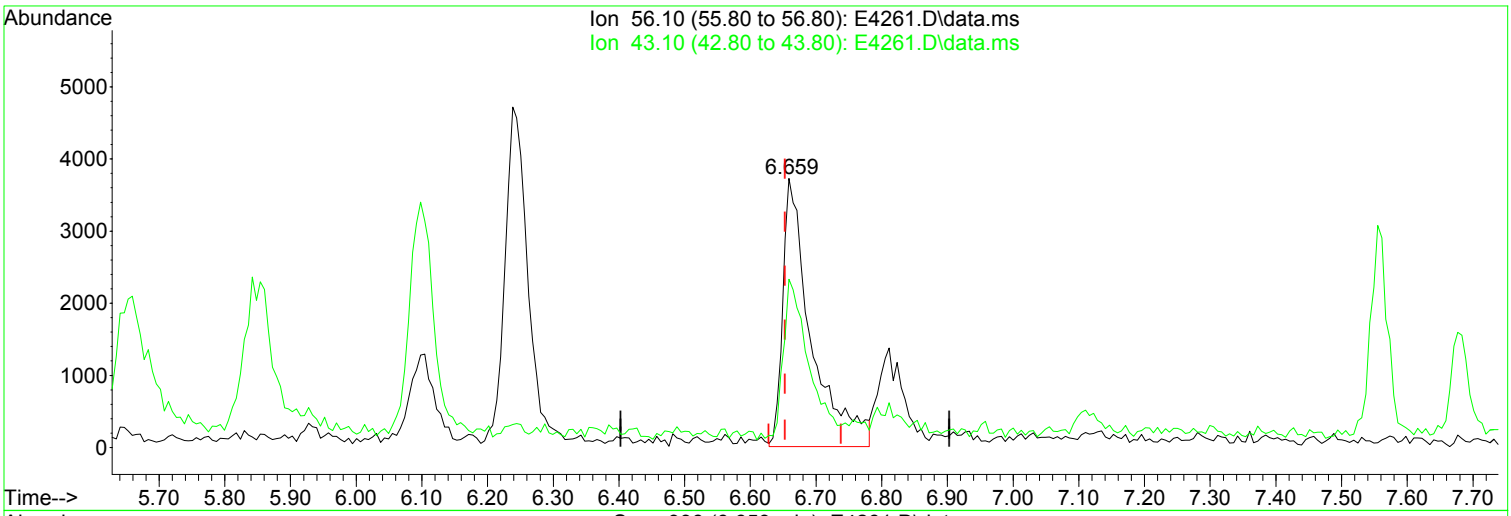
Before

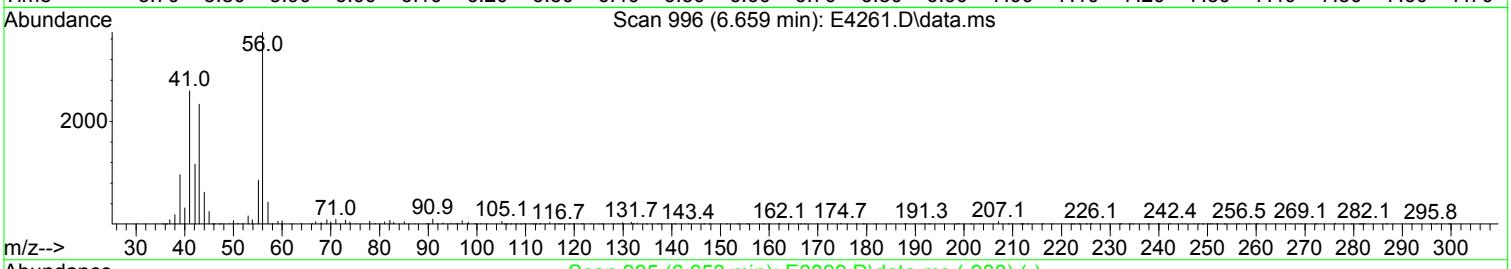
08/05/23

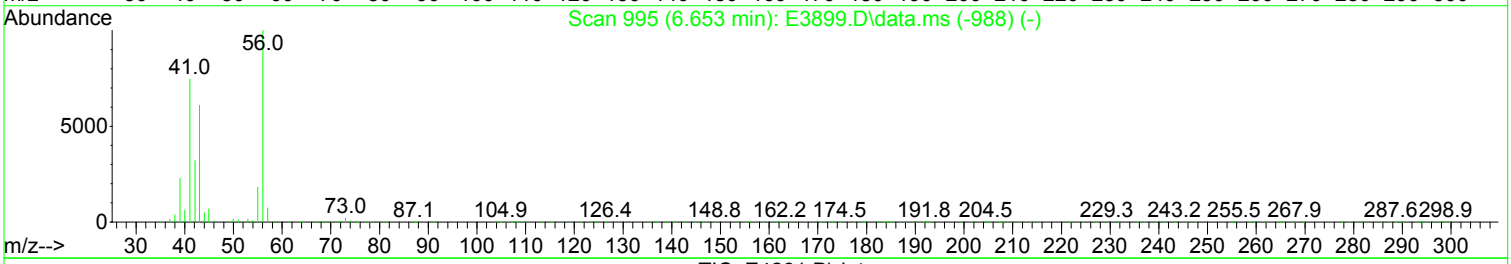
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4261.D
Acq On : 04 Aug 2023 05:10 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 05 09:35:31 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration







TIC: E4261.D\data.ms

(53) 1-Butanol

6.659min (+ 0.006) 95.50 ug/L m

response 11098

Ion	Exp%	Act%
56.10	100.00	100.00
43.10	61.10	62.62
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

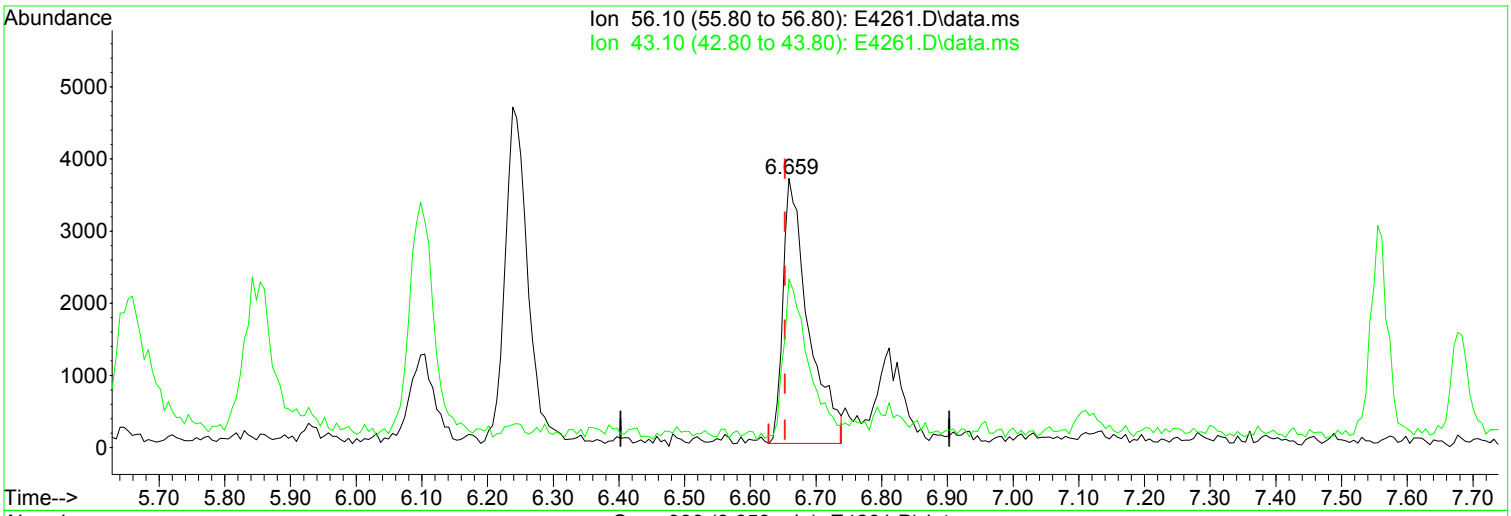
Poor integration.

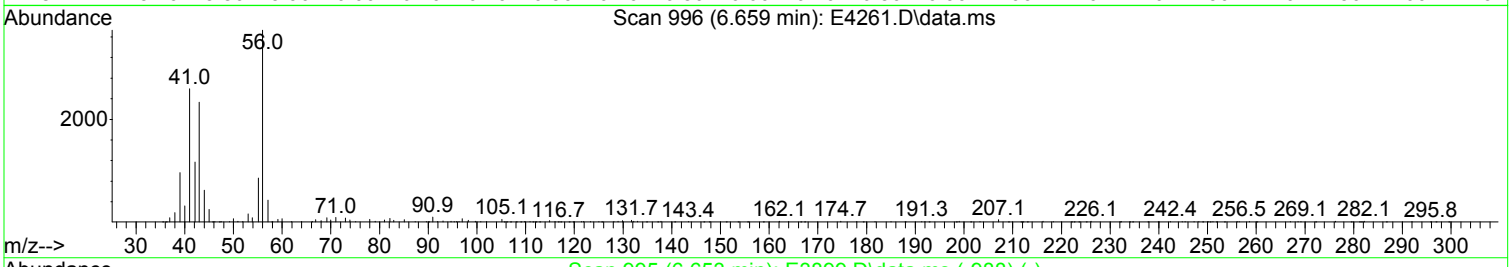
08/05/23

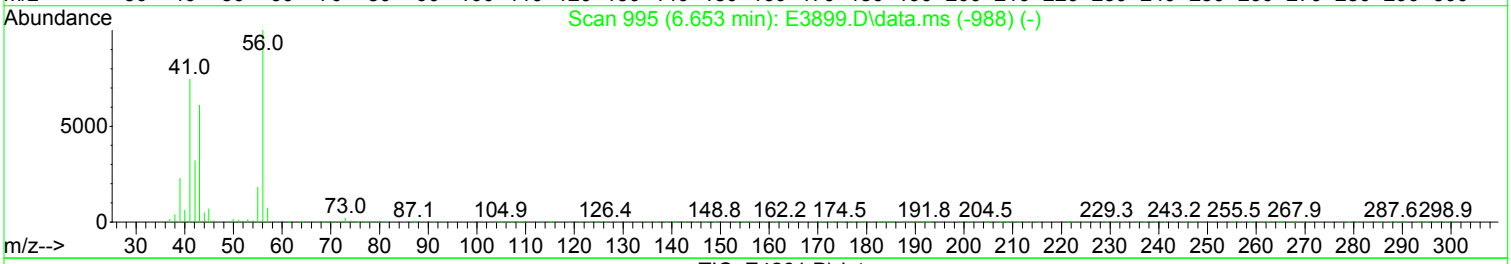
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4261.D
Acq On : 04 Aug 2023 05:10 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 05 09:35:31 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration







TIC: E4261.D\data.ms

(53) 1-Butanol

6.659min (+ 0.006) 84.47 ug/L

response 9816

Ion	Exp%	Act%
56.10	100.00	100.00
43.10	61.10	62.62
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

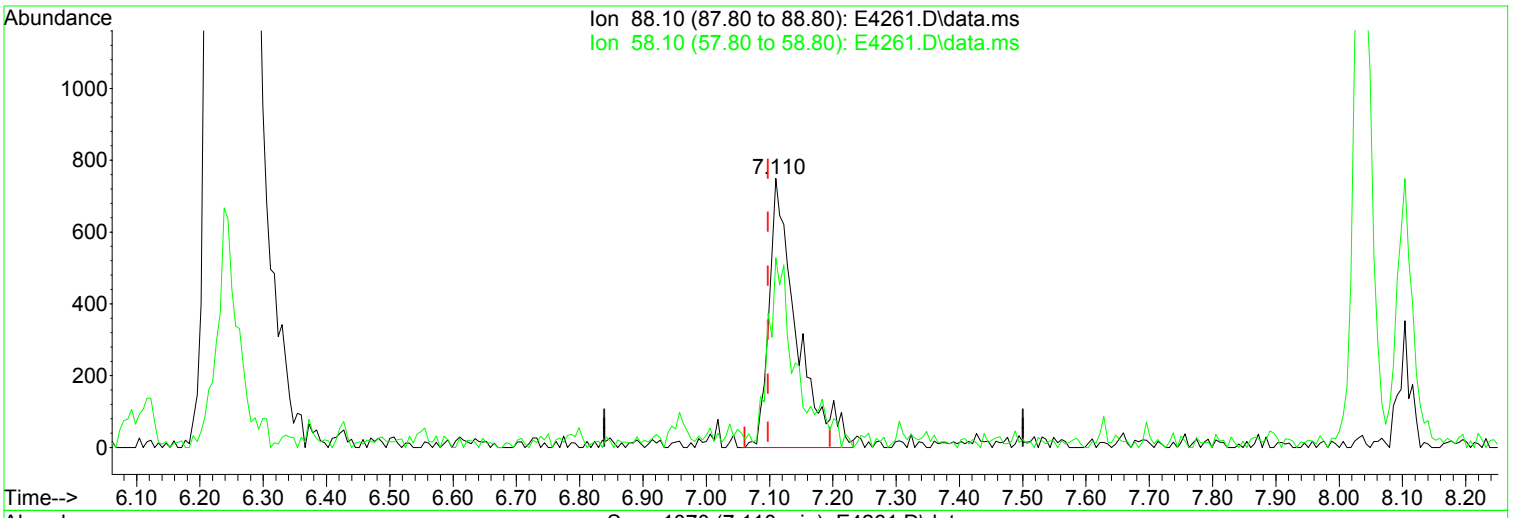
Before

08/05/23

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4261.D
Acq On : 04 Aug 2023 05:10 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 05 09:35:31 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration



TIC: E4261.D\data.ms

(58) 1,4-Dioxane

7.110min (+ 0.012) 41.21 ug/L m

response 2272

Ion	Exp%	Act%
88.10	100.00	100.00
58.10	83.20	70.49
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

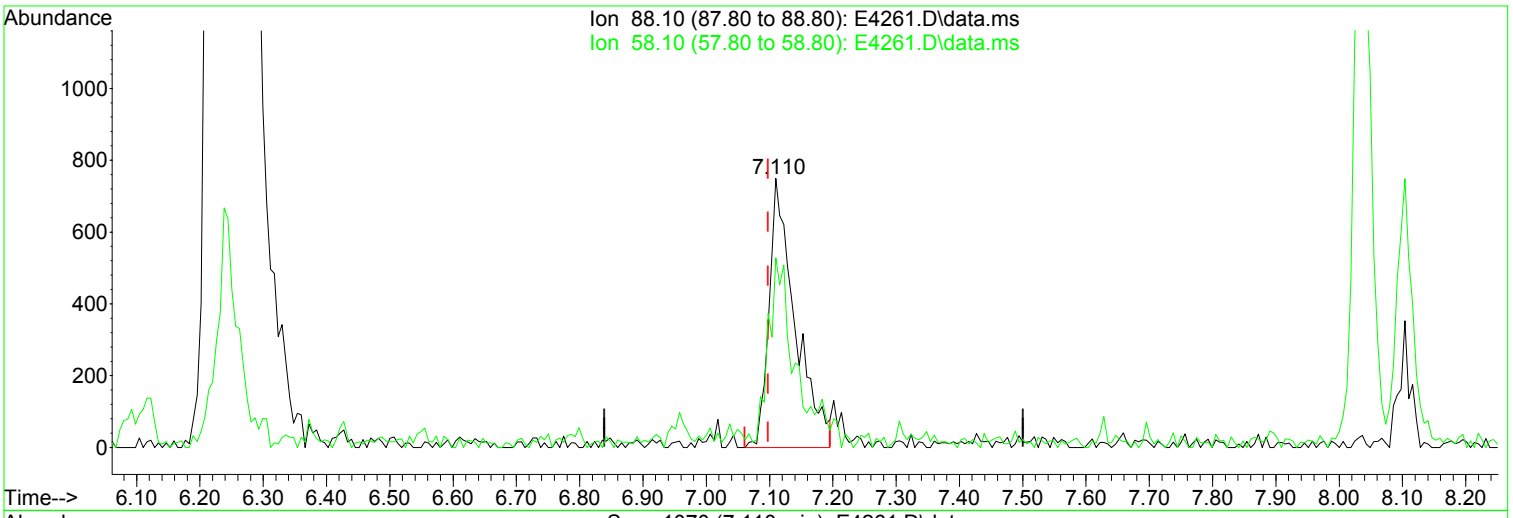
Poor integration.

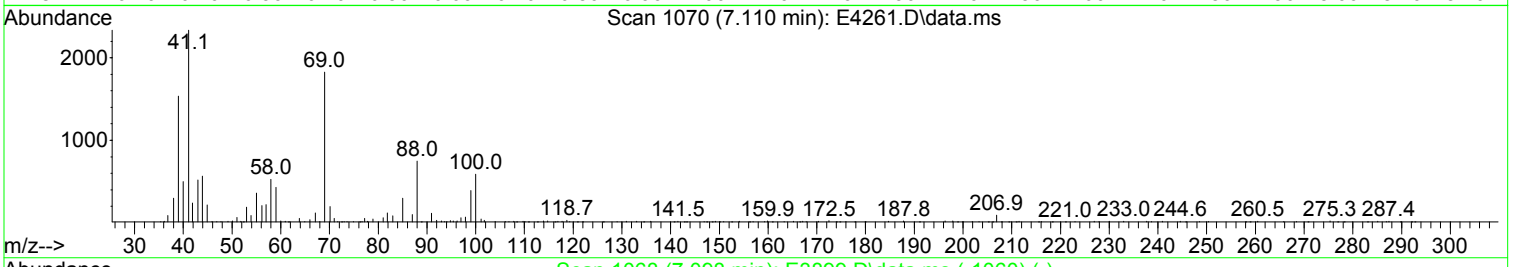
08/05/23

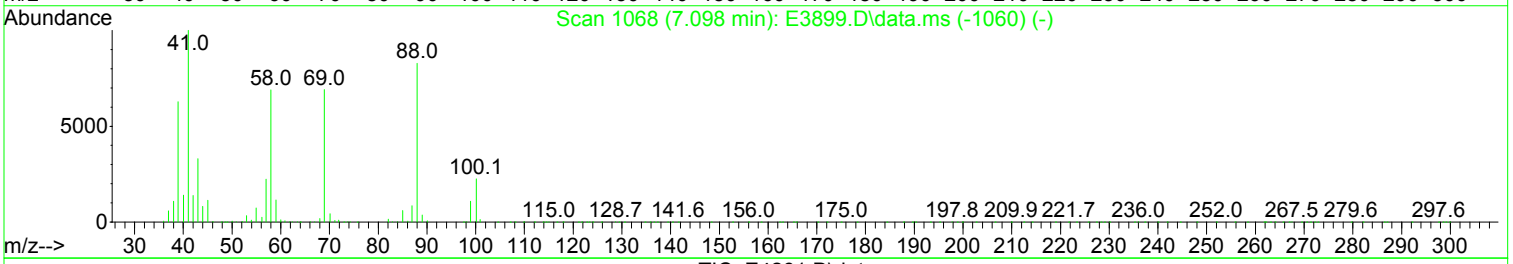
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4261.D
Acq On : 04 Aug 2023 05:10 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 05 09:35:31 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration







TIC: E4261.D\data.ms

(58) 1,4-Dioxane

7.110min (+ 0.012) 38.87 ug/L

response 2143

Ion	Exp%	Act%
88.10	100.00	100.00
58.10	83.20	69.47
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

08/05/23

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4261.D
Acq On : 04 Aug 2023 05:10 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 05 09:35:31 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.086	168	366350	50.00	ug/L		0.00
43) 1,4-Difluorobenzene	6.244	114	531104	50.00	ug/L		0.00
71) d5-Chlorobenzene	9.622	117	464352	50.00	ug/L		0.00
91) 1,4-Dichlorobenzene-d4	11.682	152	218486	50.00	ug/L		0.00
System Monitoring Compounds							
45) surr4,Dibrflmethane	4.915	113	35514	10.11	ug/L		0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 20.22%#				
48) surr1,1,2-dichloroetha...	5.507	65	41939	10.42	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 20.84%#				
65) SURR3,Toluene-d8	8.104	98	134360	10.52	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 21.04%#				
70) SURR2,BFB	10.707	95	45962	9.44	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 18.88%#				
Target Compounds							Qvalue
2) Chlorodifluoromethane	1.105	51	6812	2.023	ug/L		89
3) Dichlorodifluoromethane	1.093	85	7799m	2.053	ug/L		
4) Chloromethane	1.221	50	6274	2.158	ug/L		87
5) Vinyl Chloride	1.288	62	8080	2.041	ug/L		98
6) Bromomethane	1.501	94	5488	2.064	ug/L		86
7) Chloroethane	1.568	64	4774	1.787	ug/L		97
8) Freon 21	1.709	67	11040	2.045	ug/L		98
9) Trichlorofluoromethane	1.751	101	9988	1.963	ug/L		93
10) Diethyl Ether	1.971	59	4801	2.007	ug/L		92
11) Freon 123a	1.977	67	6868	2.139	ug/L		80
12) Freon 123	2.026	83	8855m	2.254	ug/L		
13) Acrolein	2.068	56	4909	8.968	ug/L		89
14) 1,1-Diclethene	2.148	96	5846	2.104	ug/L	#	80
15) Freon 113	2.154	101	6568	2.169	ug/L		98
16) Acetone	2.196	43	4080	2.400	ug/L		85
17) 2-Propanol	2.324	45	10496	37.611	ug/L		78
18) Iodomethane	2.263	142	7437m	1.747	ug/L		
19) Carbon Disulfide	2.324	76	17159	2.079	ug/L		98
20) Acetonitrile	2.446	41	5810m	4.560	ug/L		
21) Allyl Chloride	2.452	76	3275	2.080	ug/L	#	77
22) Methyl Acetate	2.483	43	8259	2.147	ug/L		93
23) Methylene Chloride	2.568	84	6692	2.160	ug/L		90
24) TBA	2.702	59	19312	39.475	ug/L		93
25) Acrylonitrile	2.818	53	14354	9.991	ug/L		95
26) Methyl-t-Butyl Ether	2.855	73	20723	2.100	ug/L		95
27) trans-1,2-Dichloroethene	2.836	96	6370	2.022	ug/L	#	78
28) 1,1-Diclethane	3.312	63	10700	2.139	ug/L		97
29) Vinyl Acetate	3.391	86	1078	2.326	ug/L	#	1
30) DIPE	3.428	45	18446	2.039	ug/L		98
31) 2-Chloro-1,3-Butadiene	3.422	53	9482	1.988	ug/L		88
32) ETBE	3.928	59	19191	2.044	ug/L		91
33) 2,2-Dichloropropane	4.092	77	10908m	1.932	ug/L		
34) cis-1,2-Dichloroethene	4.098	96	7604	2.216	ug/L	#	73
35) 2-Butanone	4.172	43	4220	2.101	ug/L		84
36) Propionitrile	4.239	54	6159	10.270	ug/L		79
37) Bromochloromethane	4.464	130	4490	2.148	ug/L	#	79
38) Methacrylonitrile	4.482	67	3289	2.066	ug/L		100
39) Tetrahydrofuran	4.604	42	3194	2.626	ug/L	#	51
40) Chloroform	4.635	83	11199	2.066	ug/L		95

1st 08/05/23
2nd 08/07/23

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4261.D
Acq On : 04 Aug 2023 05:10 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 05 09:35:31 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) 1,1,1-Trichloroethane	4.928	97	11340m	2.226	ug/L		
42) TAME	5.854	73	19631	2.142	ug/L		96
44) Cyclohexane	5.007	41	6003	2.223	ug/L		95
46) Carbontetrachloride	5.214	117	8966	2.033	ug/L		91
47) 1,1-Dichloropropene	5.238	75	8729	2.163	ug/L		97
49) Benzene	5.574	78	24897	2.159	ug/L		96
50) 1,2-Dichloroethane	5.629	62	9870	2.188	ug/L		90
51) Iso-Butyl Alcohol	5.659	43	7783	40.769	ug/L		80
52) n-Heptane	6.098	43	8427	2.036	ug/L		85
53) 1-Butanol	6.659	56	11098m	95.502	ug/L		
54) Trichloroethene	6.574	130	7397	2.069	ug/L		91
55) Methylcyclohexane	6.817	55	8174	2.215	ug/L		87
56) 1,2-Diclpropane	6.872	63	6241	2.086	ug/L		81
57) Dibromomethane	7.019	93	4417	2.010	ug/L	#	71
58) 1,4-Dioxane	7.110	88	2272m	41.211	ug/L		
59) Methyl Methacrylate	7.116	69	5303	1.951	ug/L		95
60) Bromodichloromethane	7.256	83	9605	2.081	ug/L		92
61) 2-Nitropropane	7.555	41	4885	4.166	ug/L		95
62) 2-Chloroethylvinyl Ether	7.683	63	3867	2.017	ug/L		80
63) cis-1,3-Dichloropropene	7.811	75	11031	2.142	ug/L		94
64) 4-Methyl-2-pentanone	8.037	43	8257	2.162	ug/L		89
66) Toluene	8.177	91	27467	2.091	ug/L		98
67) trans-1,3-Dichloropropene	8.463	75	9489	1.991	ug/L		90
68) Ethyl Methacrylate	8.610	69	9596	1.787	ug/L		94
69) 1,1,2-Trichloroethane	8.652	97	6423	2.043	ug/L		90
72) Tetrachloroethene	8.774	164	5956	2.113	ug/L		89
73) 2-Hexanone	8.963	43	6057	2.184	ug/L		95
74) 1,3-Dichloropropane	8.823	76	10877	2.181	ug/L		93
75) Dibromochloromethane	9.055	129	7753	1.867	ug/L		97
76) N-Butyl Acetate	9.122	43	11186	2.027	ug/L		90
77) 1,2-Dibromoethane	9.146	107	7178	2.170	ug/L		95
78) 3-Chlorobenzotrifluoride	9.677	180	10642	2.078	ug/L		92
79) Chlorobenzene	9.646	112	18865	2.178	ug/L		98
80) 4-Chlorobenzotrifluoride	9.732	180	9683	2.101	ug/L		91
81) 1,1,1,2-Tetrachloroethane	9.738	131	7296	2.110	ug/L		97
82) Ethylbenzene	9.768	106	9651	2.139	ug/L		93
83) (m+p)Xylene	9.884	106	24018	4.262	ug/L		97
84) o-Xylene	10.244	106	12120	2.189	ug/L		90
85) Styrene	10.256	104	18609	1.983	ug/L		97
86) Bromoform	10.408	173	5718	2.038	ug/L		98
87) 2-Chlorobenzotrifluoride	10.494	180	10275	2.054	ug/L		94
88) Isopropylbenzene	10.579	105	29428	2.159	ug/L		99
89) Cyclohexanone	10.652	55	27407	39.794	ug/L		96
90) trans-1,4-Dichloro-2-B...	10.896	53	2823	2.104	ug/L		93
92) 1,1,2,2-Tetrachloroethane	10.847	83	9026	2.328	ug/L		95
93) Bromobenzene	10.823	156	8479	2.308	ug/L	#	80
94) 1,2,3-Trichloropropane	10.878	110	3052	2.275	ug/L	#	71
95) n-Propylbenzene	10.939	91	33862	2.336	ug/L		96
96) 2-Chlorotoluene	11.000	91	20562	2.342	ug/L		95
97) 3-Chlorotoluene	11.054	91	20446	2.274	ug/L		96
98) 4-Chlorotoluene	11.097	91	25231	2.358	ug/L		97
99) 1,3,5-Trimethylbenzene	11.091	105	26217	2.345	ug/L		98
100) tert-Butylbenzene	11.365	119	22349	2.351	ug/L		97
101) 1,2,4-Trimethylbenzene	11.408	105	25290	2.349	ug/L		99
102) 3,4-Dichlorobenzotrifl...	11.469	214	8069	2.229	ug/L		93
103) sec-Butylbenzene	11.548	105	32419	2.385	ug/L		100

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4261.D
Acq On : 04 Aug 2023 05:10 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 05 09:35:31 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration

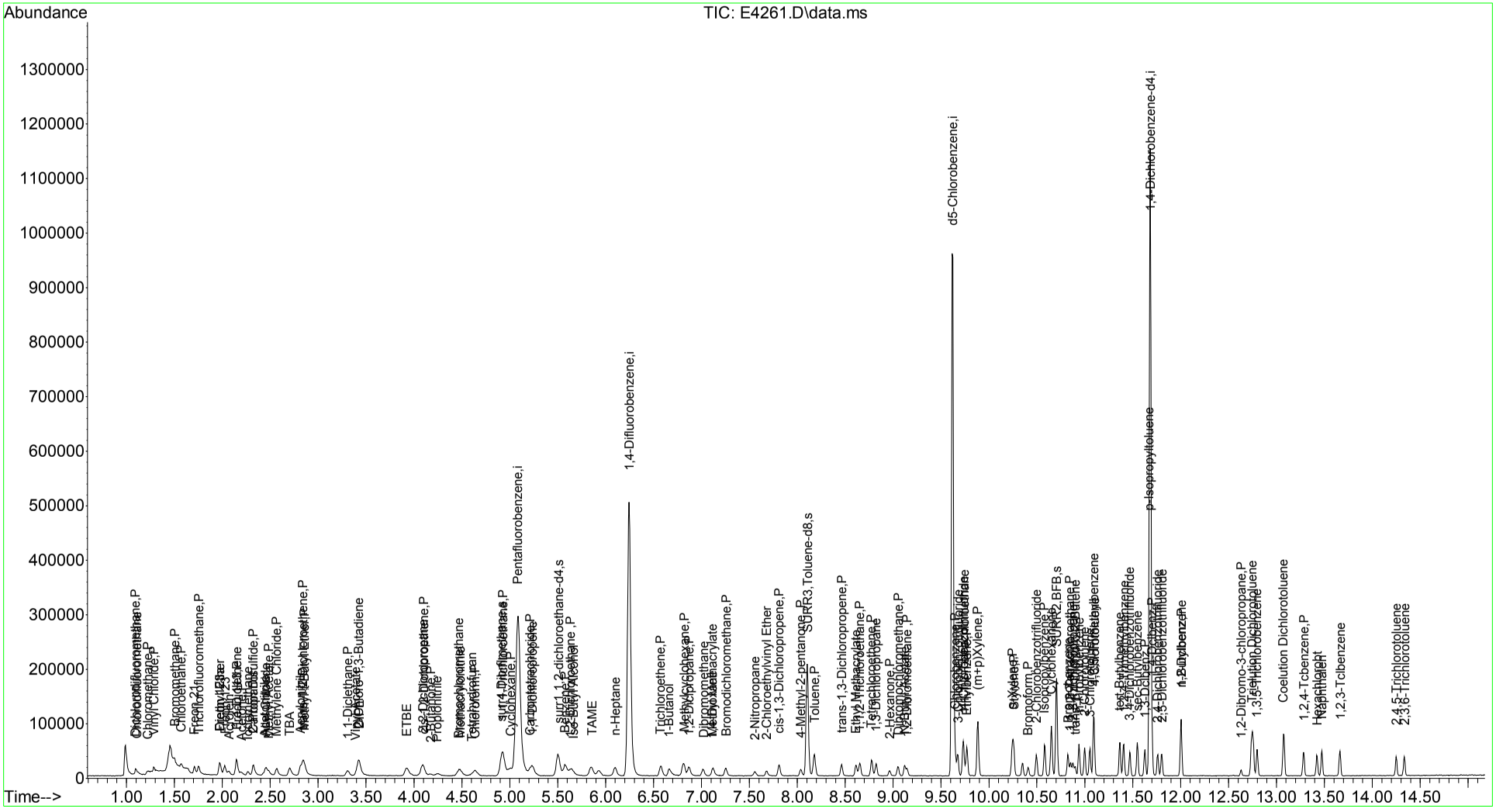
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) p-Isopropyltoluene	11.670	119	27473	2.302	ug/L	95
105) 1,3-Dclbenz	11.628	146	15381	2.309	ug/L	96
106) 1,4-Dclbenz	11.701	146	15806	2.318	ug/L	95
107) 2,4-Dichlorobenzotrifl...	11.762	214	7178	2.214	ug/L	89
108) 2,5-Dichlorobenzotrifl...	11.804	214	7927	2.207	ug/L	88
109) n-Butylbenzene	12.006	91	23069	2.250	ug/L	93
110) 1,2-Dclbenz	12.006	146	14997	2.298	ug/L	97
111) 1,2-Dibromo-3-chloropr...	12.633	157	2291	2.140	ug/L	97
112) Trielution Dichlorotol...	12.743	125	38140	6.844	ug/L	88
113) 1,3,5-Trichlorobenzene	12.798	180	10985	2.243	ug/L	96
114) Coelution Dichlorotoluene	13.072	125	25737	4.369	ug/L	96
115) 1,2,4-Tcbenzene	13.286	180	10726	2.172	ug/L	97
116) Hexachlorobt	13.426	225	5722	2.486	ug/L	95
117) Naphthalen	13.475	128	26355	2.152	ug/L	98
118) 1,2,3-Tclbenzene	13.664	180	10593	2.214	ug/L	96
119) 2,4,5-Trichlorotoluene	14.249	159	6838	2.194	ug/L	95
120) 2,3,6-Trichlorotoluene	14.334	159	6557	2.251	ug/L	93

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4261.D
Acq On : 04 Aug 2023 05:10 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 05 09:35:31 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration

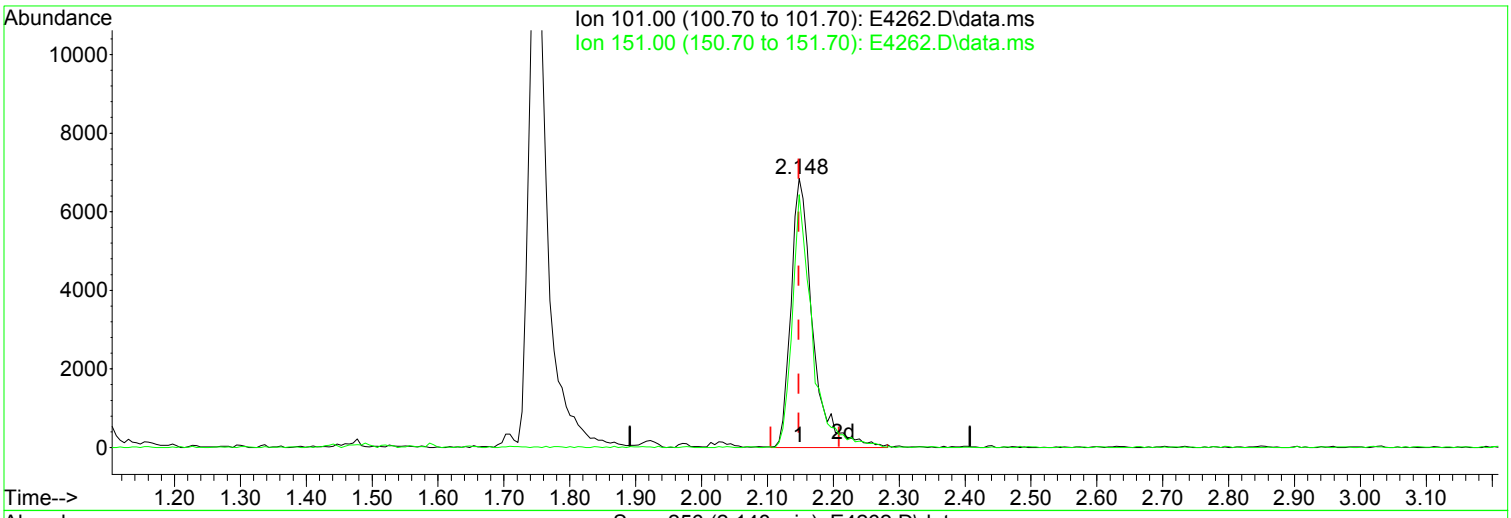


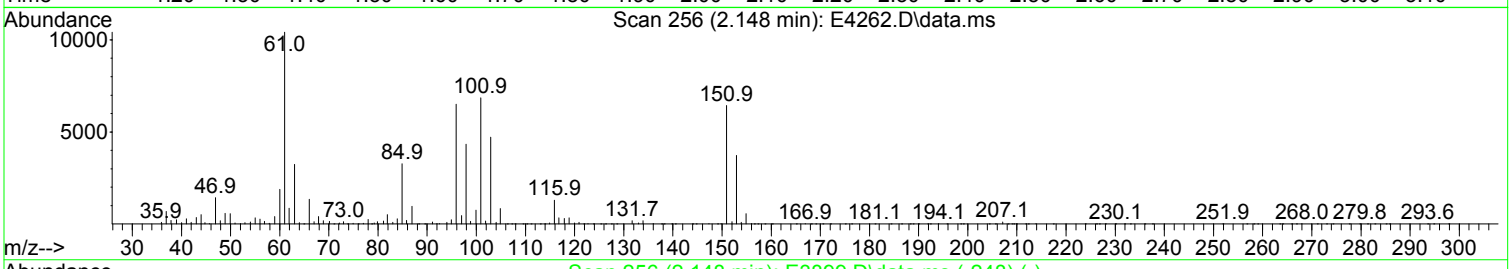
1st 08/05/23
2nd 08/07/23

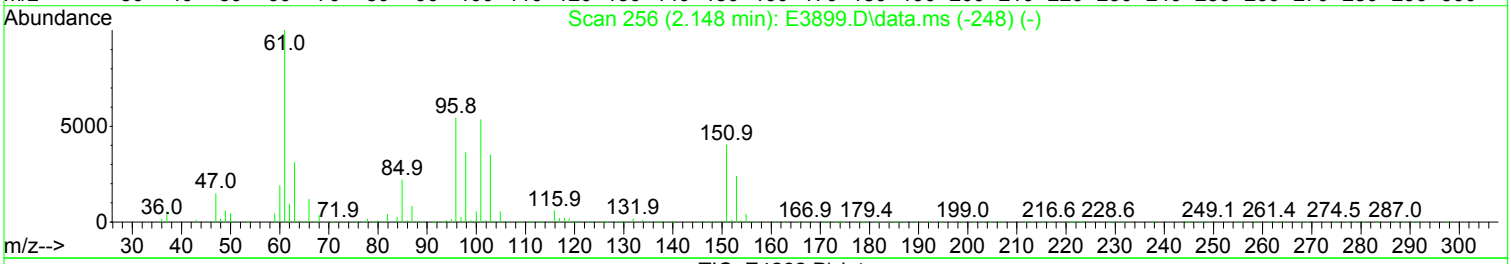
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4262.D
Acq On : 04 Aug 2023 05:32 pm
Operator : K.Ruest
Sample : 5.0ppb
Misc : WATER ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 05 09:35:35 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration







TIC: E4262.D\data.ms

(15) Freon 113 (P)

2.148min (+ 0.000) 5.26 ug/L m

response 15804

Ion	Exp%	Act%
101.00	100.00	100.00
151.00	75.30	93.97
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

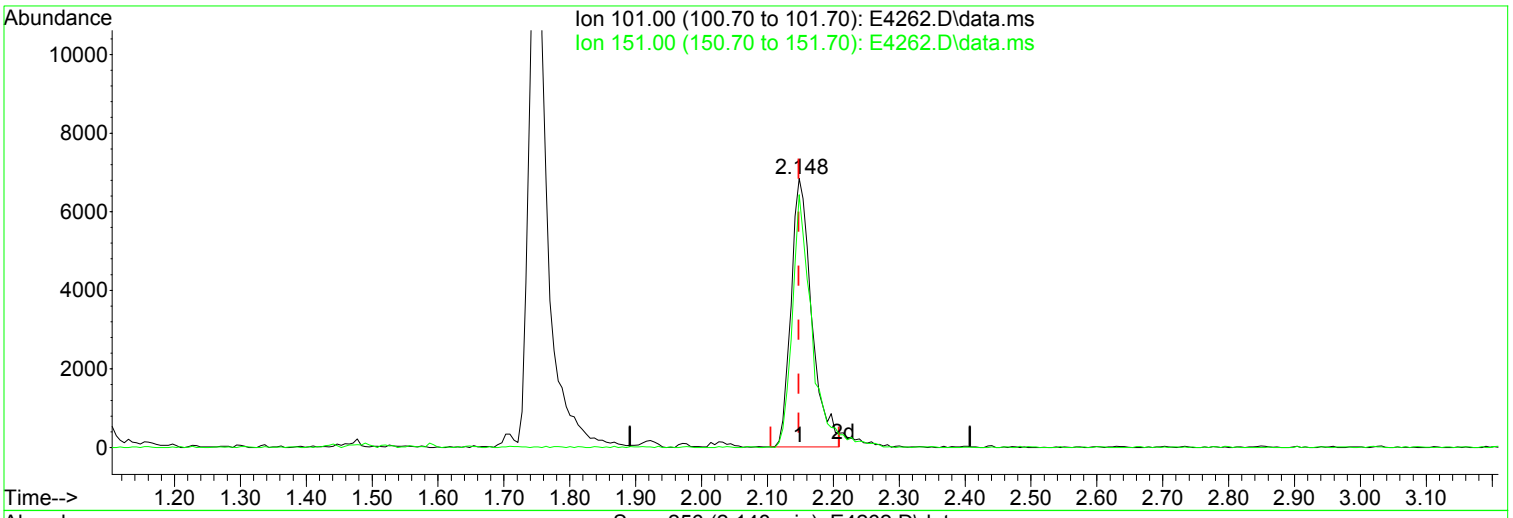
Poor integration.

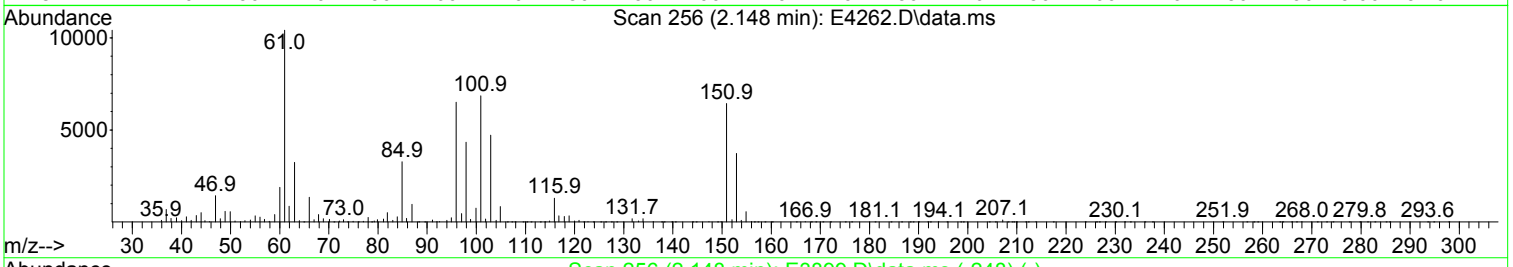
08/05/23

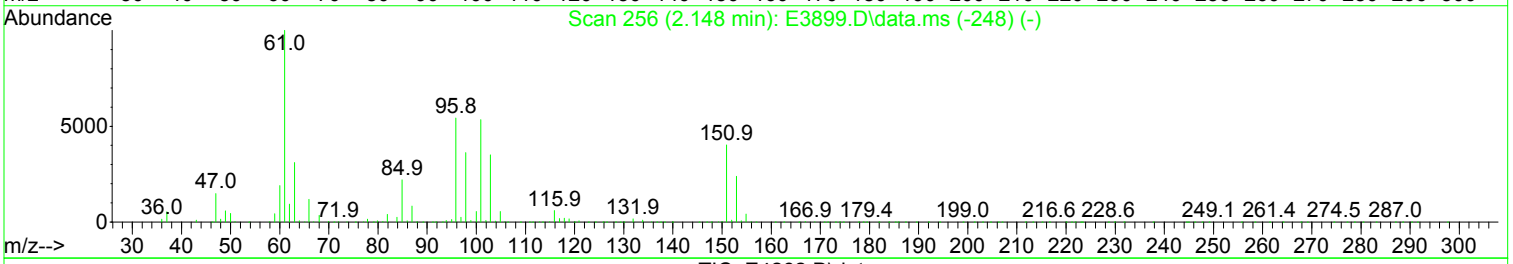
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4262.D
Acq On : 04 Aug 2023 05:32 pm
Operator : K.Ruest
Sample : 5.0ppb
Misc : WATER ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 05 09:35:35 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration







TIC: E4262.D\data.ms

(15) Freon 113 (P)

2.148min (+ 0.000) 5.00 ug/L

response 15016

Ion	Exp%	Act%
101.00	100.00	100.00
151.00	75.30	93.97
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

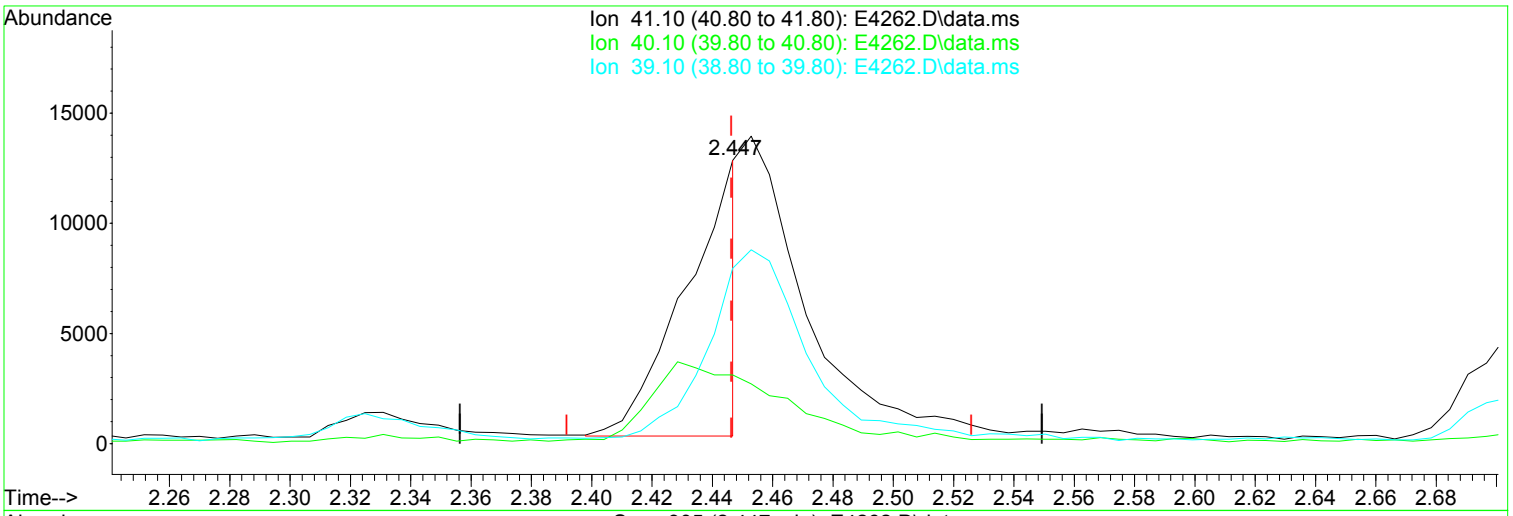
Before

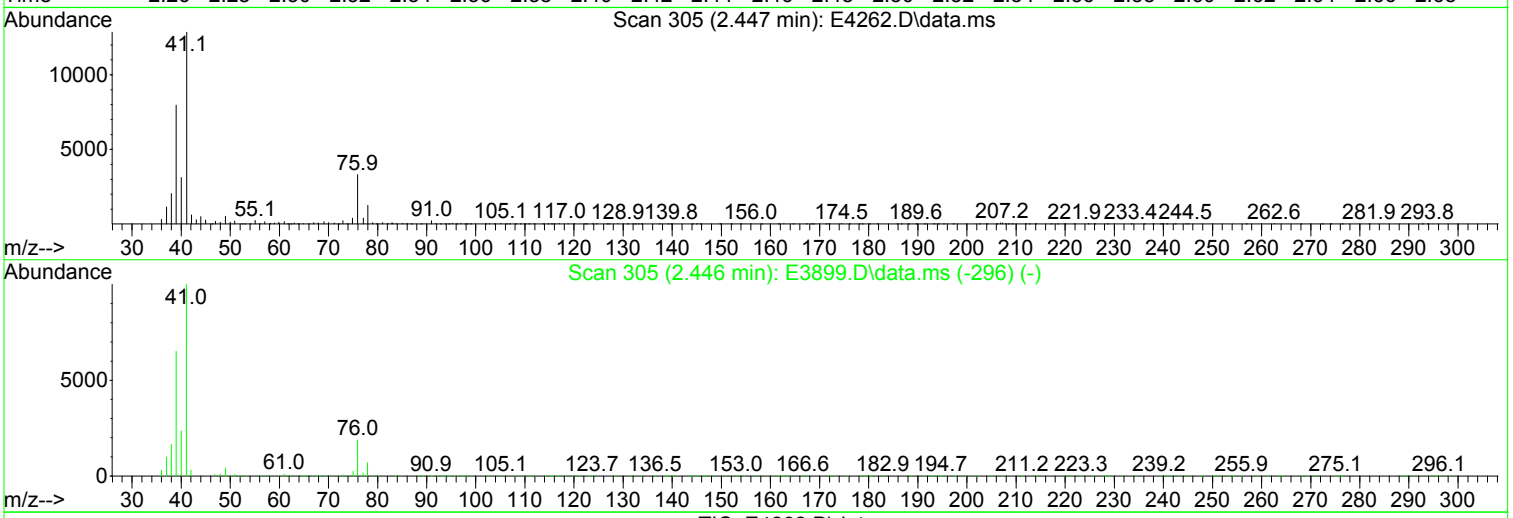
08/05/23

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4262.D
Acq On : 04 Aug 2023 05:32 pm
Operator : K.Ruest
Sample : 5.0ppb
Misc : WATER ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 05 09:35:35 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration





TIC: E4262.D\data.ms

(20) Acetonitrile

2.447min (+ 0.000) 12.31 ug/L m

response 15567

Ion	Exp%	Act%
41.10	100.00	100.00
40.10	23.60	24.26
39.10	65.30	61.93
0.00	0.00	0.00

Manual Integration:

After

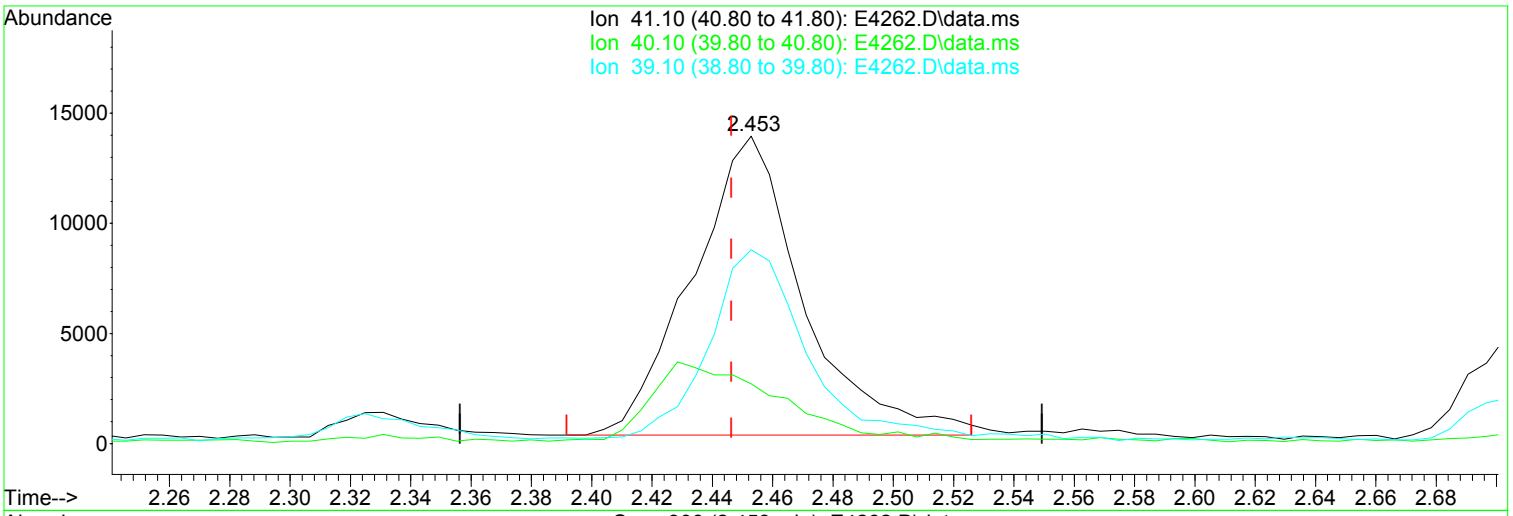
Poor integration.

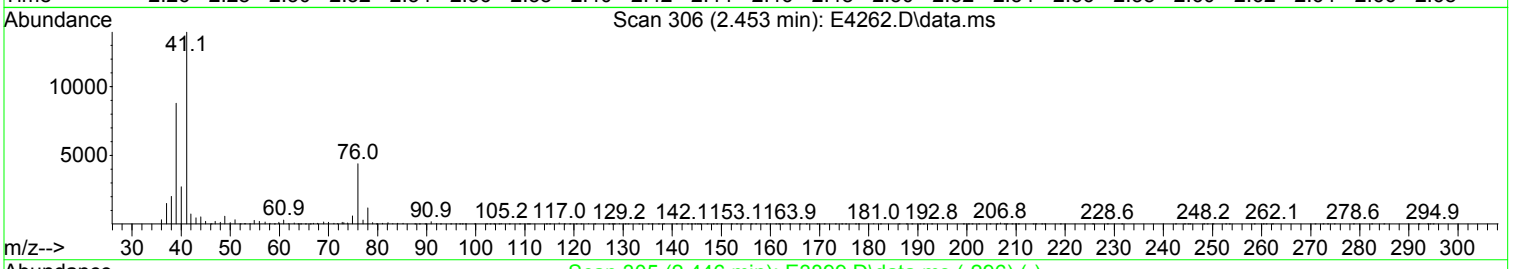
08/05/23

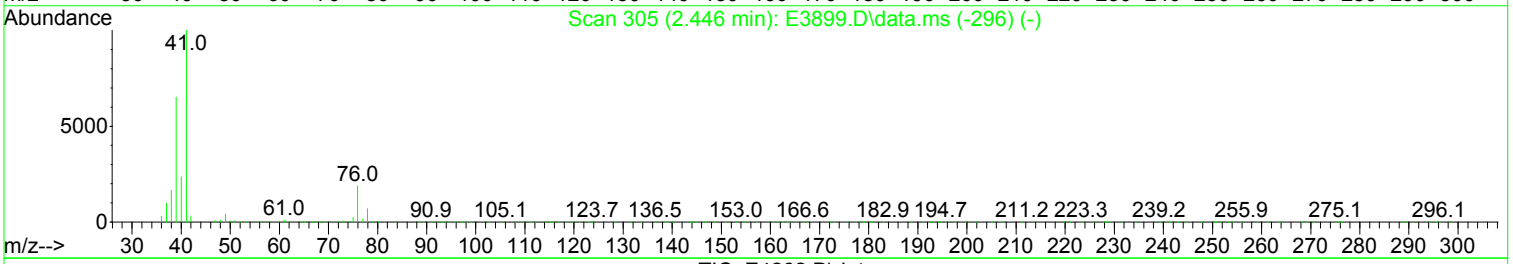
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4262.D
Acq On : 04 Aug 2023 05:32 pm
Operator : K.Ruest
Sample : 5.0ppb
Misc : WATER ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 05 09:35:35 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration







TIC: E4262.D\data.ms

(20) Acetonitrile

2.453min (+ 0.006) 27.53 ug/L

response 34814

Ion	Exp%	Act%
41.10	100.00	100.00
40.10	23.60	19.45
39.10	65.30	63.01
0.00	0.00	0.00

Manual Integration:

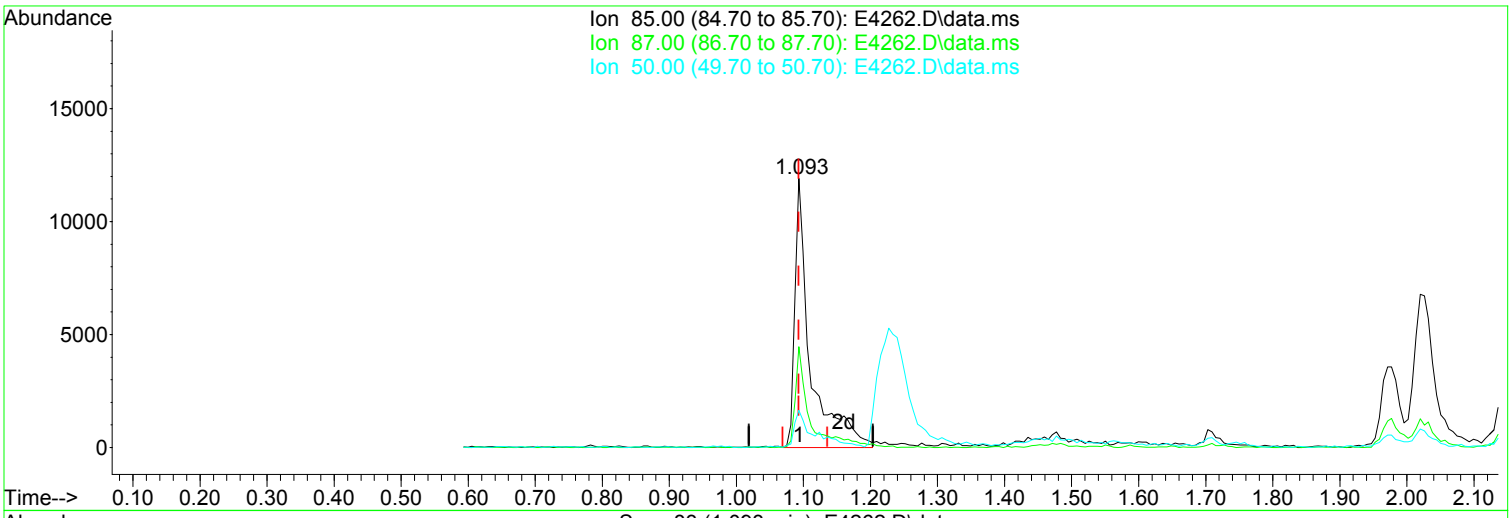
Before

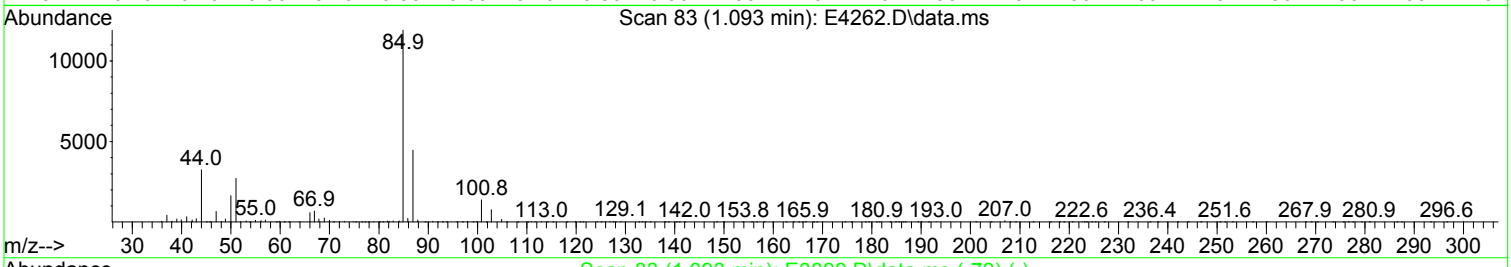
08/05/23

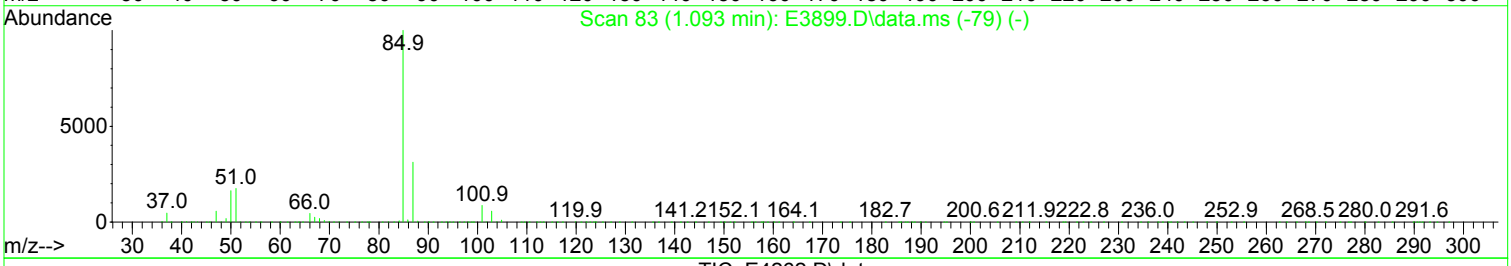
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4262.D
Acq On : 04 Aug 2023 05:32 pm
Operator : K.Ruest
Sample : 5.0ppb
Misc : WATER ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 05 09:35:35 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration







TIC: E4262.D\data.ms

(3) Dichlorodifluoromethane (P)

1.093min (+ 0.000) 5.12 ug/L m

response 19301

Ion	Exp%	Act%
85.00	100.00	100.00
87.00	31.30	37.44
50.00	16.40	13.79
0.00	0.00	0.00

Manual Integration:

After

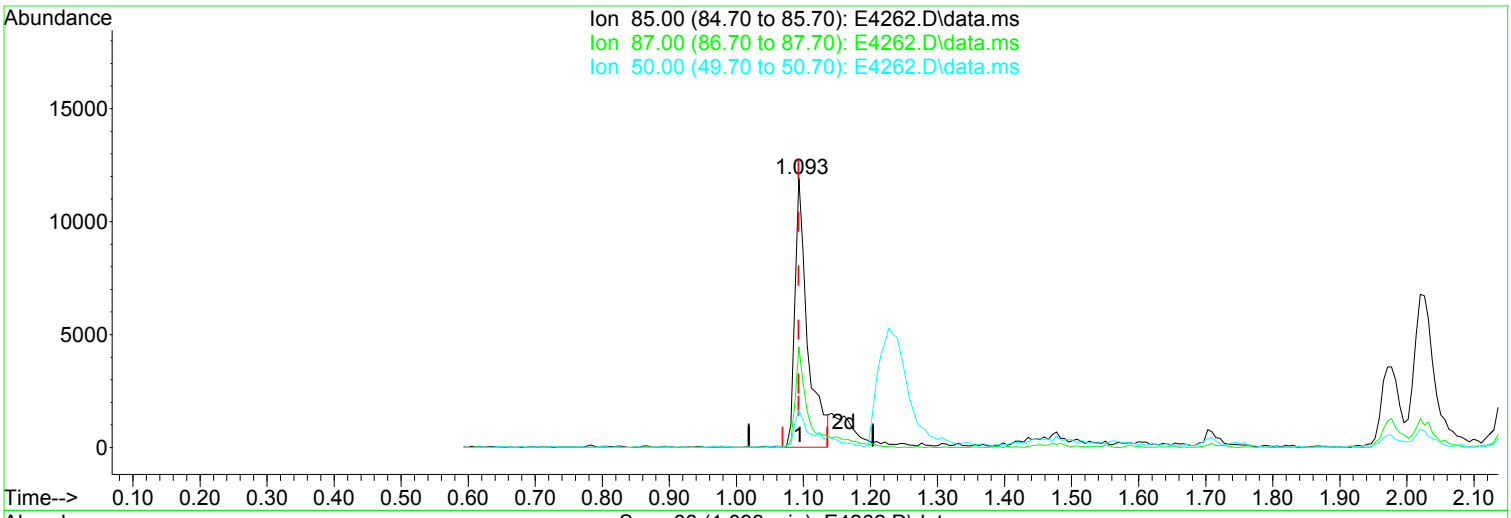
Poor integration.

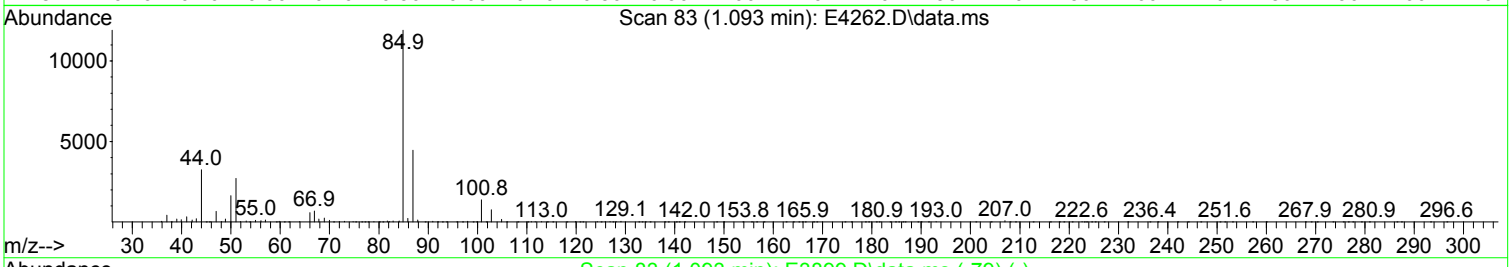
08/05/23

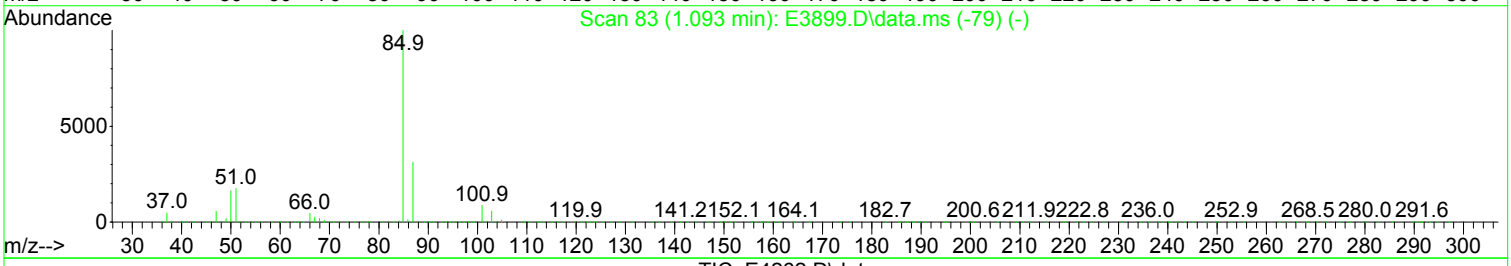
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4262.D
Acq On : 04 Aug 2023 05:32 pm
Operator : K.Ruest
Sample : 5.0ppb
Misc : WATER ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 05 09:35:35 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration







TIC: E4262.D\data.ms

(3) Dichlorodifluoromethane (P)

1.093min (+ 0.000) 4.17 ug/L

response 15740

Ion	Exp%	Act%
85.00	100.00	100.00
87.00	31.30	37.44
50.00	16.40	13.79
0.00	0.00	0.00

Manual Integration:

Before

08/05/23

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4262.D
Acq On : 04 Aug 2023 05:32 pm
Operator : K.Ruest
Sample : 5.0ppb
Misc : WATER ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 05 09:35:35 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.086	168	363574	50.00	ug/L		0.00
43) 1,4-Difluorobenzene	6.245	114	521306	50.00	ug/L		0.00
71) d5-Chlorobenzene	9.622	117	467668	50.00	ug/L		0.00
91) 1,4-Dichlorobenzene-d4	11.683	152	233220	50.00	ug/L		0.00
System Monitoring Compounds							
45) surr4,Dibrflmethane	4.916	113	36112	10.48	ug/L		0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 20.96%#				
48) surr1,1,2-dichloroetha...	5.501	65	42506	10.76	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 21.52%#				
65) SURR3,Toluene-d8	8.104	98	132743	10.59	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 21.18%#				
70) SURR2,BFB	10.707	95	48973	10.25	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 20.50%#				
Target Compounds							Qvalue
2) Chlorodifluoromethane	1.099	51	17000	5.088	ug/L		93
3) Dichlorodifluoromethane	1.093	85	19301m	5.119	ug/L		
4) Chloromethane	1.227	50	16344	5.665	ug/L		92
5) Vinyl Chloride	1.282	62	20569	5.236	ug/L		96
6) Bromomethane	1.490	94	14844	5.625	ug/L		91
7) Chloroethane	1.569	64	13799	5.203	ug/L		97
8) Freon 21	1.709	67	27729	5.175	ug/L		94
9) Trichlorofluoromethane	1.752	101	27103	5.368	ug/L		96
10) Diethyl Ether	1.971	59	12681	5.341	ug/L		95
11) Freon 123a	1.971	67	16168	5.073	ug/L		80
12) Freon 123	2.026	83	21221	5.443	ug/L		89
13) Acrolein	2.069	56	15633	28.776	ug/L		94
14) 1,1-Diclethene	2.142	96	14031	5.089	ug/L	#	86
15) Freon 113	2.148	101	15804m	5.259	ug/L		
16) Acetone	2.197	43	10904	6.464	ug/L		94
17) 2-Propanol	2.325	45	32349	116.804	ug/L		97
18) Iodomethane	2.264	142	18595	4.402	ug/L		95
19) Carbon Disulfide	2.319	76	40963	5.002	ug/L		100
20) Acetonitrile	2.447	41	15567m	12.310	ug/L		
21) Allyl Chloride	2.453	76	7905	5.060	ug/L	#	72
22) Methyl Acetate	2.483	43	21230	5.561	ug/L		91
23) Methylene Chloride	2.569	84	15376	5.000	ug/L	#	78
24) TBA	2.703	59	57691	118.825	ug/L		98
25) Acrylonitrile	2.813	53	38314	26.872	ug/L		97
26) Methyl-t-Butyl Ether	2.855	73	53327	5.446	ug/L		96
27) trans-1,2-Dichloroethene	2.837	96	15977	5.110	ug/L	#	81
28) 1,1-Diclethane	3.306	63	26048	5.246	ug/L		96
29) Vinyl Acetate	3.404	86	1859	4.042	ug/L	#	87
30) DIPE	3.428	45	46444	5.174	ug/L		94
31) 2-Chloro-1,3-Butadiene	3.422	53	24490	5.175	ug/L		86
32) ETBE	3.922	59	48782	5.236	ug/L		97
33) 2,2-Dichloropropane	4.087	77	25777	4.601	ug/L		96
34) cis-1,2-Dichloroethene	4.093	96	17988	5.282	ug/L		85
35) 2-Butanone	4.172	43	11234	5.637	ug/L		96
36) Propionitrile	4.245	54	17145	28.808	ug/L		96
37) Bromochloromethane	4.459	130	11630	5.607	ug/L	#	84
38) Methacrylonitrile	4.489	67	8909	5.638	ug/L		93
39) Tetrahydrofuran	4.593	42	6697	5.548	ug/L		87
40) Chloroform	4.641	83	29786	5.537	ug/L		96

1st 08/05/23
2nd 08/07/23

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4262.D
Acq On : 04 Aug 2023 05:32 pm
Operator : K.Ruest
Sample : 5.0ppb
Misc : WATER ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 05 09:35:35 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) 1,1,1-Trichloroethane	4.928	97	27101	5.361	ug/L		95
42) TAME	5.849	73	48095	5.288	ug/L		93
44) Cyclohexane	5.007	41	15288	5.767	ug/L		98
46) Carbontetrachloride	5.215	117	22908	5.291	ug/L		96
47) 1,1-Dichloropropene	5.239	75	20869	5.268	ug/L		91
49) Benzene	5.580	78	60951	5.384	ug/L		94
50) 1,2-Dichloroethane	5.629	62	23735	5.360	ug/L		96
51) Iso-Butyl Alcohol	5.653	43	20637	110.132	ug/L		96
52) n-Heptane	6.098	43	21208	5.219	ug/L		93
53) 1-Butanol	6.659	56	31351	274.858	ug/L		96
54) Trichloroethene	6.580	130	18358	5.230	ug/L		92
55) Methylcyclohexane	6.812	55	20143	5.562	ug/L	#	83
56) 1,2-Diclpropane	6.867	63	16149	5.498	ug/L		96
57) Dibromomethane	7.013	93	11545	5.352	ug/L	#	80
58) 1,4-Dioxane	7.104	88	6370	117.715	ug/L		81
59) Methyl Methacrylate	7.123	69	14549	5.454	ug/L		86
60) Bromodichloromethane	7.251	83	23651	5.221	ug/L		98
61) 2-Nitropropane	7.556	41	12217	10.615	ug/L		99
62) 2-Chloroethylvinyl Ether	7.677	63	9632	5.118	ug/L		99
63) cis-1,3-Dichloropropene	7.806	75	26365	5.215	ug/L		98
64) 4-Methyl-2-pentanone	8.031	43	20897	5.574	ug/L		95
66) Toluene	8.177	91	69218	5.370	ug/L		94
67) trans-1,3-Dichloropropene	8.464	75	24255	5.186	ug/L		96
68) Ethyl Methacrylate	8.616	69	24761	4.698	ug/L		86
69) 1,1,2-Trichloroethane	8.653	97	16477	5.341	ug/L		96
72) Tetrachloroethene	8.775	164	14978	5.277	ug/L		93
73) 2-Hexanone	8.964	43	16087	5.760	ug/L		95
74) 1,3-Dichloropropane	8.824	76	27041	5.384	ug/L		92
75) Dibromochloromethane	9.049	129	19382	4.635	ug/L		92
76) N-Butyl Acetate	9.116	43	30968	5.571	ug/L		97
77) 1,2-Dibromoethane	9.147	107	17453	5.238	ug/L		96
78) 3-Chlorobenzotrifluoride	9.677	180	27245	5.283	ug/L		96
79) Chlorobenzene	9.647	112	46662	5.348	ug/L		95
80) 4-Chlorobenzotrifluoride	9.732	180	24048	5.182	ug/L		97
81) 1,1,1,2-Tetrachloroethane	9.738	131	18592	5.340	ug/L		97
82) Ethylbenzene	9.769	106	24366	5.363	ug/L	#	84
83) (m+p)Xylene	9.884	106	60806	10.713	ug/L		93
84) o-Xylene	10.244	106	29323	5.260	ug/L		88
85) Styrene	10.256	104	49409	5.229	ug/L		95
86) Bromoform	10.409	173	14346	5.076	ug/L		97
87) 2-Chlorobenzotrifluoride	10.494	180	26098	5.179	ug/L		95
88) Isopropylbenzene	10.579	105	73738	5.372	ug/L		97
89) Cyclohexanone	10.653	55	82969	119.614	ug/L		96
90) trans-1,4-Dichloro-2-B...	10.903	53	7020	5.194	ug/L		85
92) 1,1,2,2-Tetrachloroethane	10.848	83	23419	5.658	ug/L		96
93) Bromobenzene	10.823	156	21596	5.506	ug/L	#	84
94) 1,2,3-Trichloropropane	10.878	110	8224	5.743	ug/L	#	76
95) n-Propylbenzene	10.939	91	86672	5.601	ug/L		98
96) 2-Chlorotoluene	11.000	91	52360	5.586	ug/L		93
97) 3-Chlorotoluene	11.055	91	52987	5.521	ug/L		90
98) 4-Chlorotoluene	11.098	91	63083	5.524	ug/L		93
99) 1,3,5-Trimethylbenzene	11.098	105	65162	5.460	ug/L		97
100) tert-Butylbenzene	11.366	119	57256	5.643	ug/L		99
101) 1,2,4-Trimethylbenzene	11.409	105	63417	5.517	ug/L		96
102) 3,4-Dichlorobenzotrifl...	11.476	214	20042	5.187	ug/L		94
103) sec-Butylbenzene	11.549	105	80029	5.516	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4262.D
Acq On : 04 Aug 2023 05:32 pm
Operator : K.Ruest
Sample : 5.0ppb
Misc : WATER ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 05 09:35:35 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration

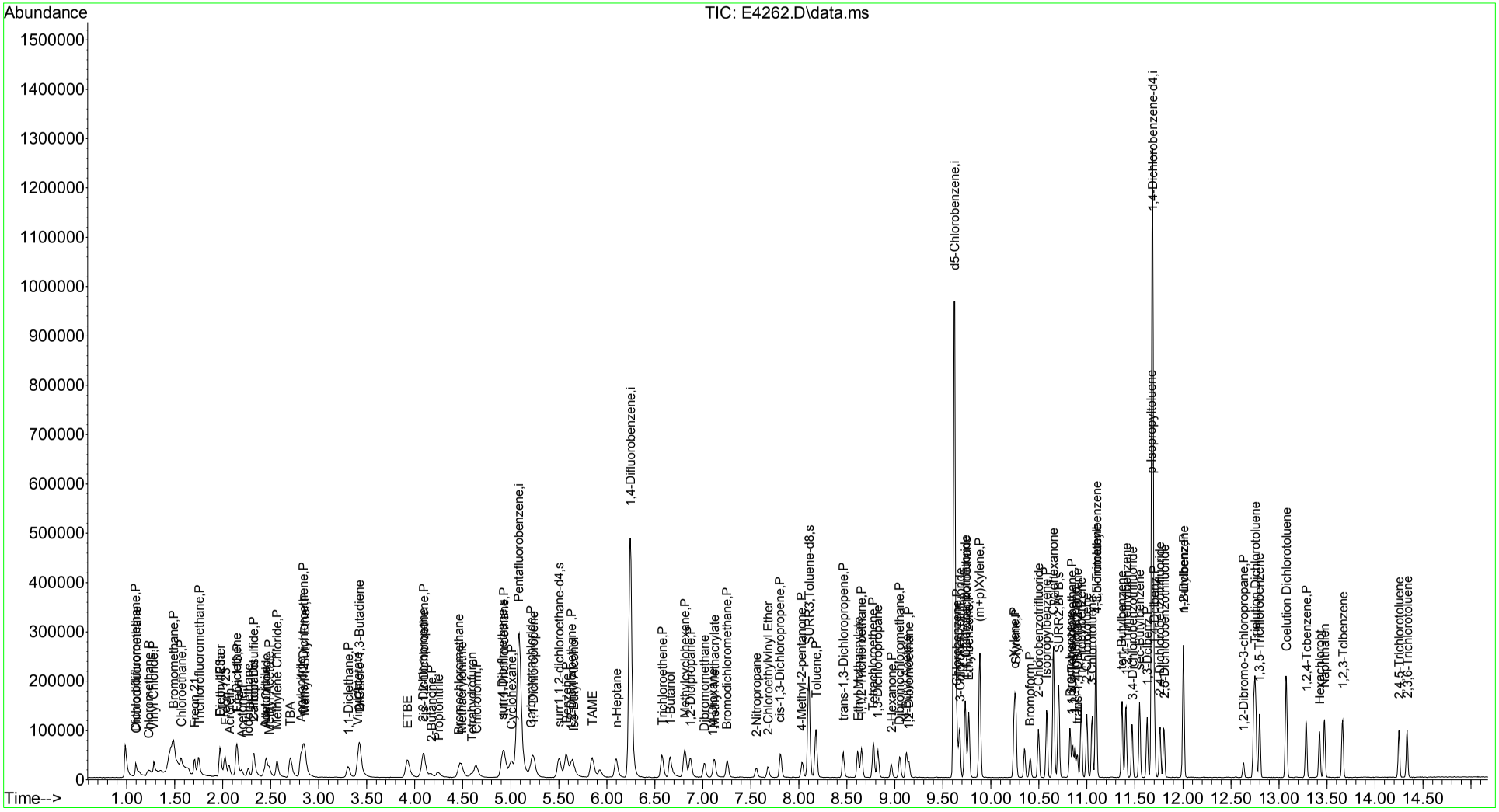
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
104) p-Isopropyltoluene	11.671	119	70404	5.526	ug/L		97
105) 1,3-Dclbenz	11.628	146	39451	5.547	ug/L		97
106) 1,4-Dclbenz	11.701	146	39161	5.380	ug/L		98
107) 2,4-Dichlorobenzotrifl...	11.762	214	18473	5.339	ug/L		97
108) 2,5-Dichlorobenzotrifl...	11.805	214	19653	5.127	ug/L		94
109) n-Butylbenzene	12.006	91	60639	5.539	ug/L		97
110) 1,2-Dclbenz	12.006	146	38300	5.499	ug/L		97
111) 1,2-Dibromo-3-chloropr...	12.634	157	6682	5.846	ug/L	#	86
112) Trielution Dichlorotol...	12.750	125	96194	16.170	ug/L		96
113) 1,3,5-Trichlorobenzene	12.799	180	27863	5.331	ug/L		96
114) Coelution Dichlorotoluene	13.079	125	68582	10.907	ug/L		97
115) 1,2,4-Tcbenzene	13.286	180	28820	5.468	ug/L		93
116) Hexachlorobt	13.426	225	13153	5.353	ug/L		99
117) Naphthalen	13.475	128	72020	5.510	ug/L		98
118) 1,2,3-Tclbenzene	13.664	180	28011	5.485	ug/L		98
119) 2,4,5-Trichlorotoluene	14.249	159	18523	5.567	ug/L		96
120) 2,3,6-Trichlorotoluene	14.335	159	17390	5.594	ug/L		95

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4262.D
Acq On : 04 Aug 2023 05:32 pm
Operator : K.Ruest
Sample : 5.0ppb
Misc : WATER ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 05 09:35:35 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration

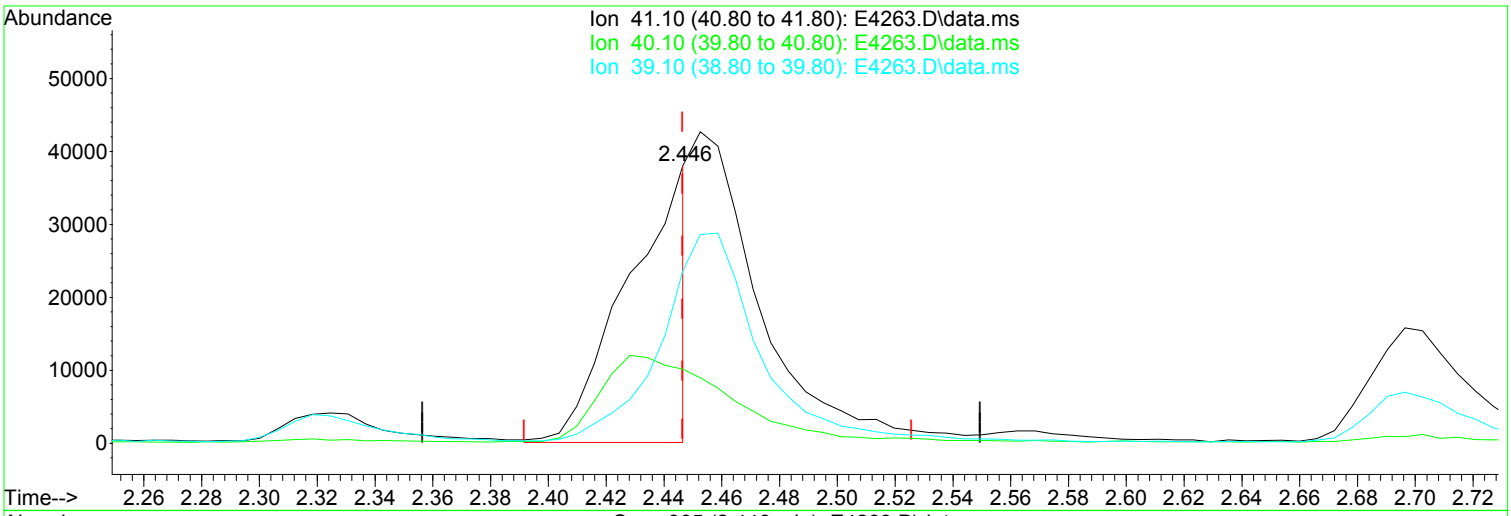


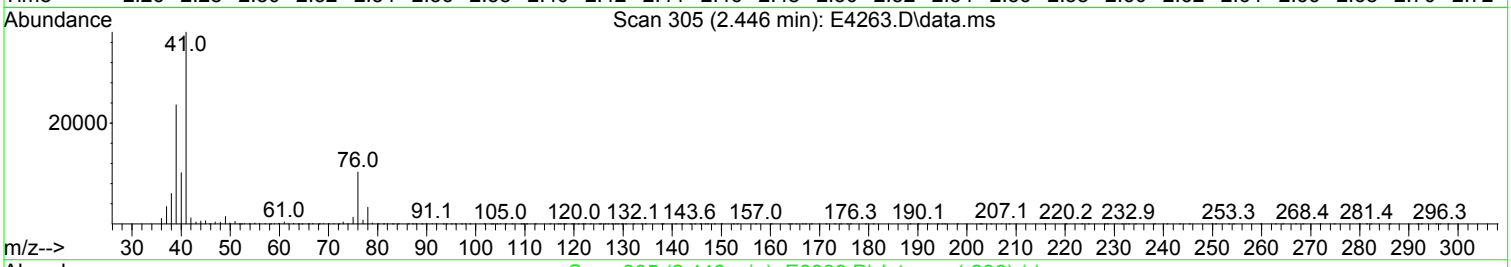
1st 08/05/23
2nd 08/07/23

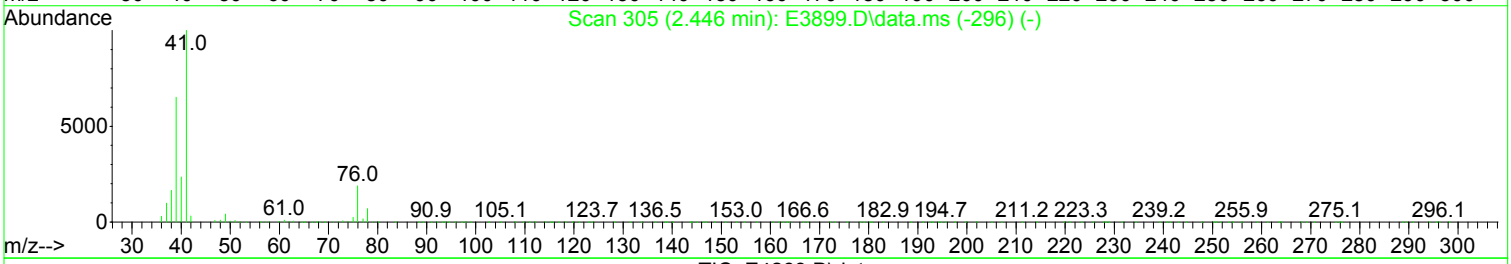
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4263.D
Acq On : 04 Aug 2023 05:56 pm
Operator : K.Ruest
Sample : 20ppb
Misc : WATER ICAL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 05 09:35:39 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration







TIC: E4263.D\data.ms

(20) Acetonitrile

2.446min (+ 0.000) 43.74 ug/L m

response 55942

Ion	Exp%	Act%
41.10	100.00	100.00
40.10	23.60	26.76
39.10	65.30	62.05
0.00	0.00	0.00

Manual Integration:

After

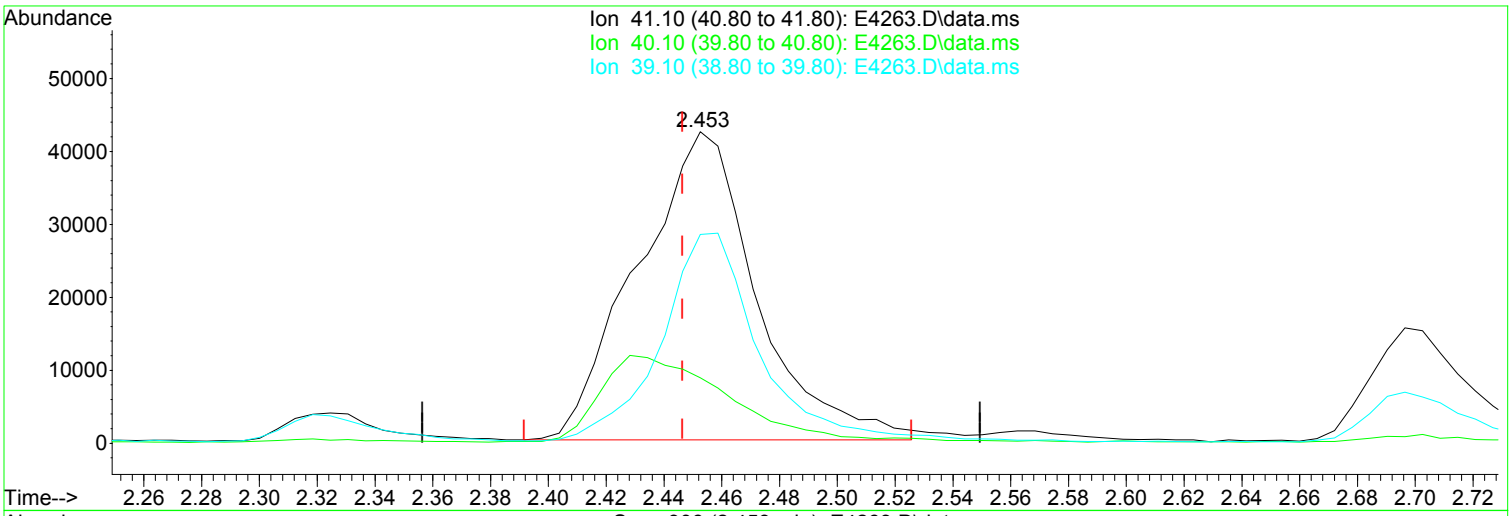
Poor integration.

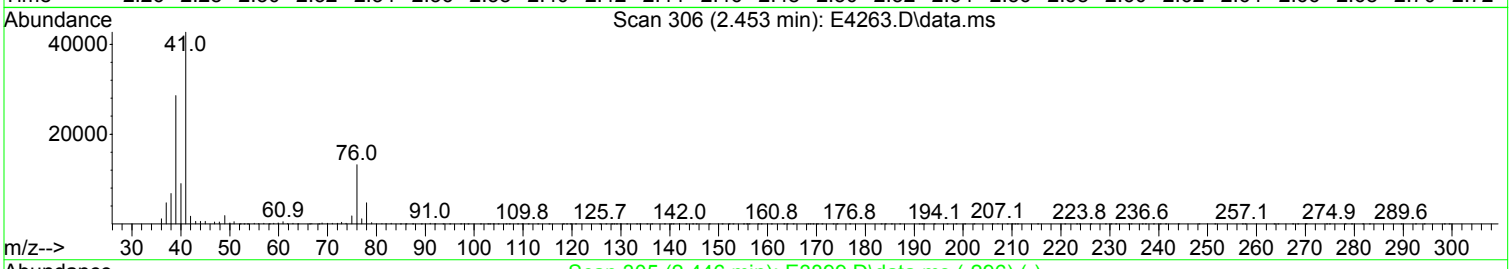
08/05/23

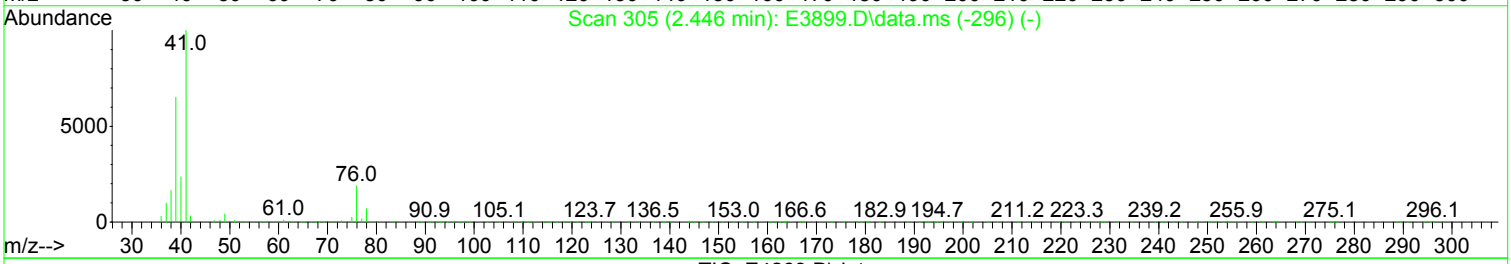
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4263.D
Acq On : 04 Aug 2023 05:56 pm
Operator : K.Ruest
Sample : 20ppb
Misc : WATER ICAL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 05 09:35:39 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration







TIC: E4263.D\data.ms

(20) Acetonitrile

2.453min (+ 0.006) 94.71 ug/L

response 121138

Ion	Exp%	Act%
41.10	100.00	100.00
40.10	23.60	21.01
39.10	65.30	67.02
0.00	0.00	0.00

Manual Integration:

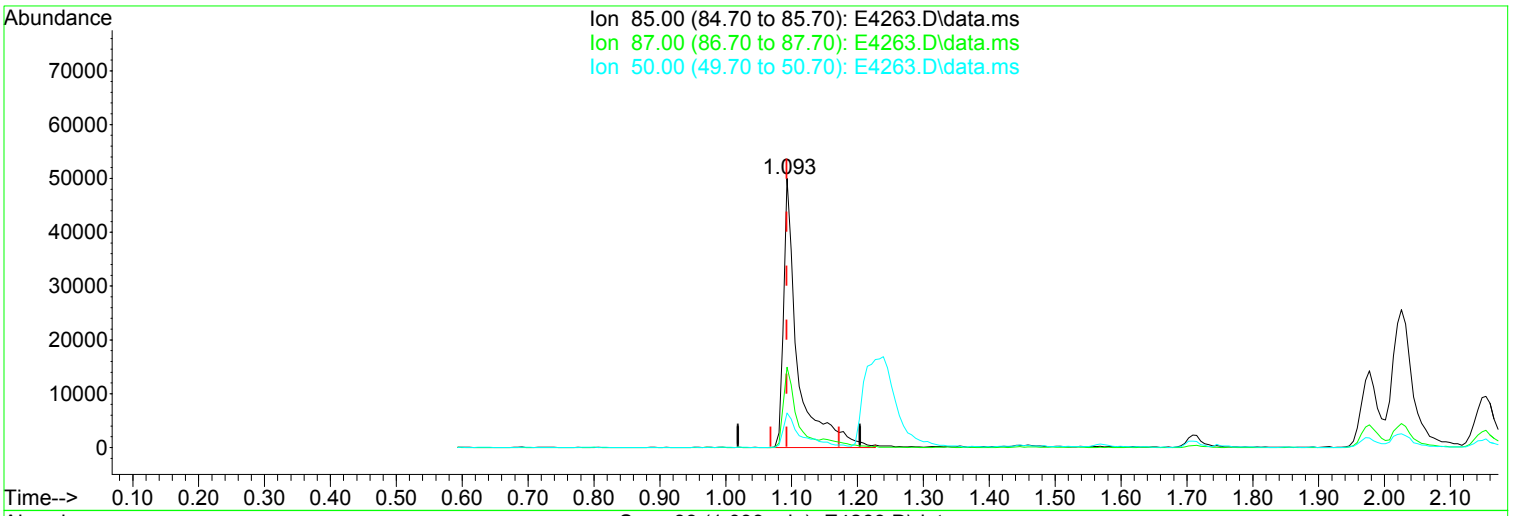
Before

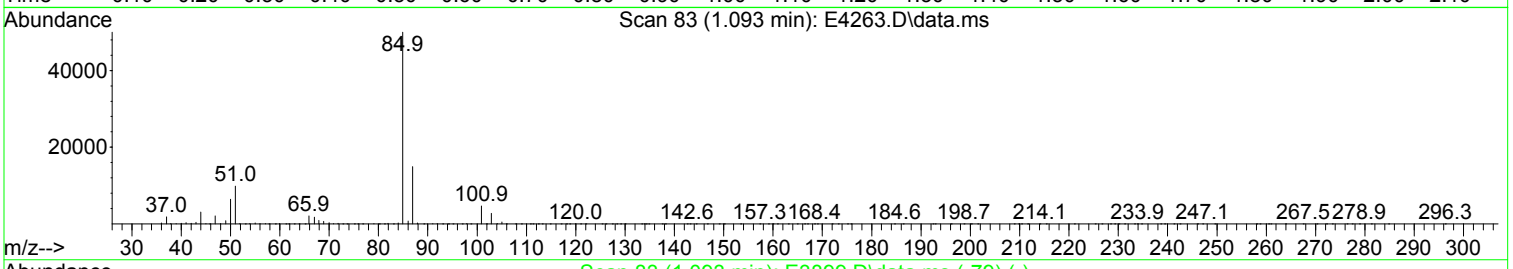
08/05/23

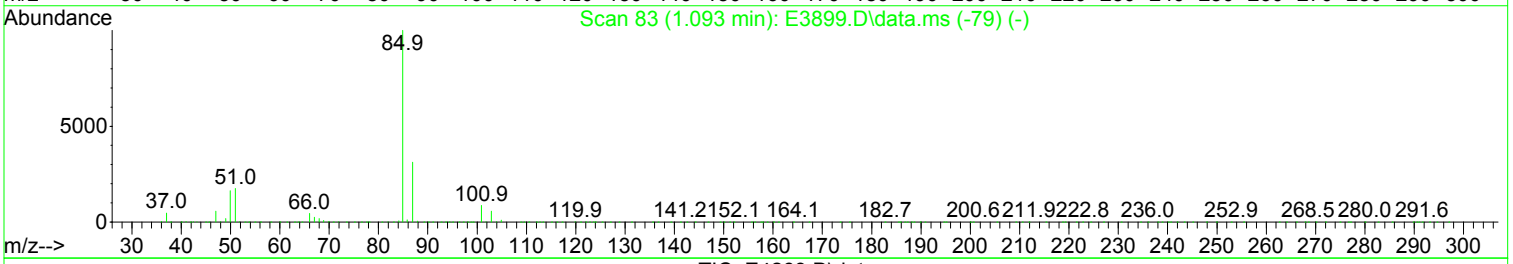
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4263.D
Acq On : 04 Aug 2023 05:56 pm
Operator : K.Ruest
Sample : 20ppb
Misc : WATER ICAL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 05 09:35:39 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration







TIC: E4263.D\data.ms

(3) Dichlorodifluoromethane (P)

1.093min (+ 0.000) 19.39 ug/L m

response 73937

Ion	Exp%	Act%
85.00	100.00	100.00
87.00	31.30	29.88
50.00	16.40	12.81
0.00	0.00	0.00

Manual Integration:

After

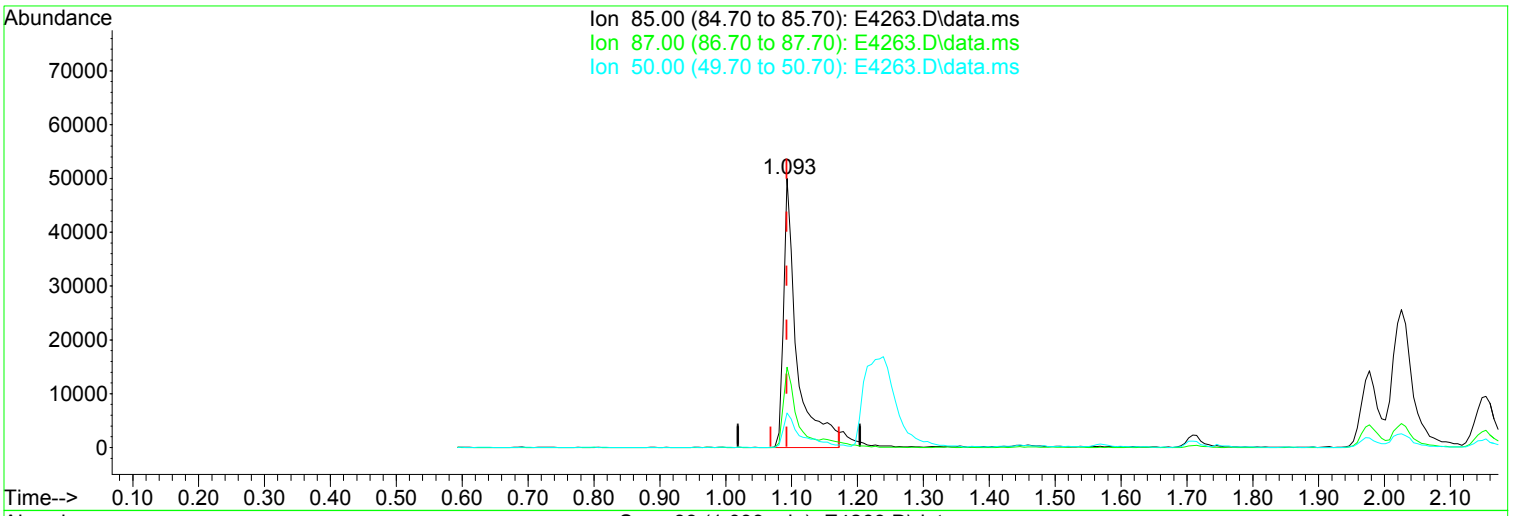
Poor integration.

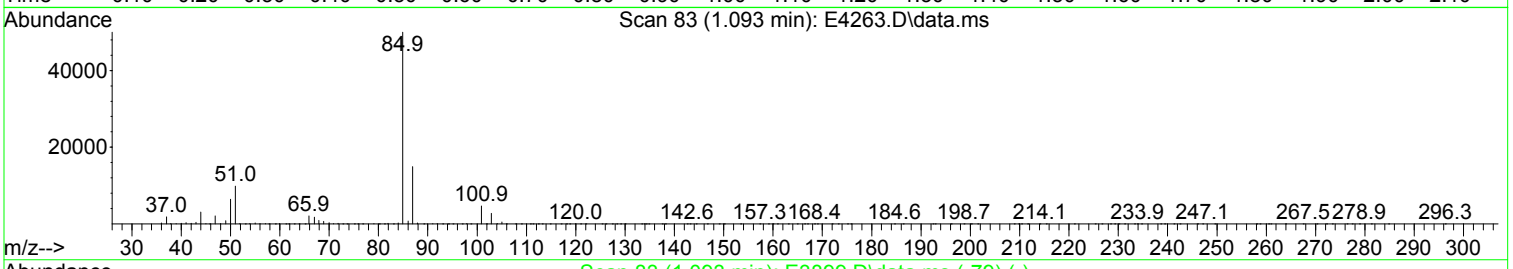
08/05/23

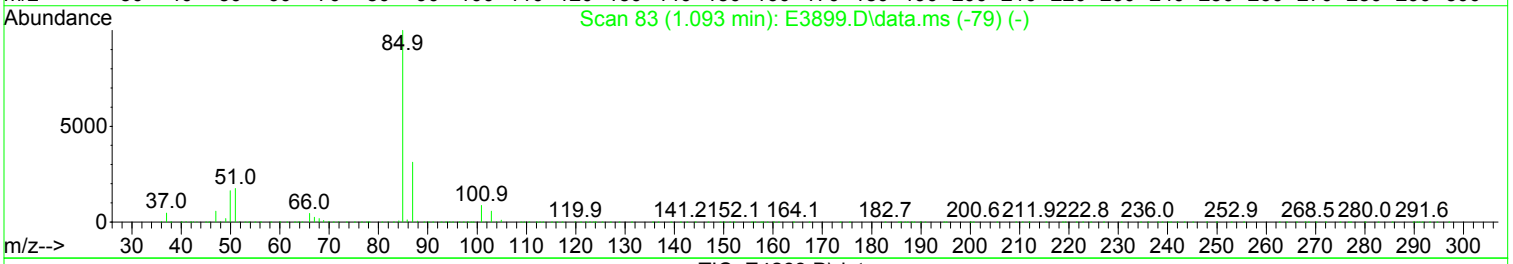
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4263.D
Acq On : 04 Aug 2023 05:56 pm
Operator : K.Ruest
Sample : 20ppb
Misc : WATER ICAL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 05 09:35:39 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration







TIC: E4263.D\data.ms

(3) Dichlorodifluoromethane (P)

1.093min (+ 0.000) 18.29 ug/L

response 69754

Ion	Exp%	Act%
85.00	100.00	100.00
87.00	31.30	29.88
50.00	16.40	12.81
0.00	0.00	0.00

Manual Integration:

Before

08/05/23

1st 08/05/23
2nd 08/07/23

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4263.D
Acq On : 04 Aug 2023 05:56 pm
Operator : K.Ruest
Sample : 20ppb
Misc : WATER ICAL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 05 09:35:39 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.086	168	367731	50.00	ug/L		0.00
43) 1,4-Difluorobenzene	6.245	114	532777	50.00	ug/L		0.00
71) d5-Chlorobenzene	9.622	117	481072	50.00	ug/L		0.00
91) 1,4-Dichlorobenzene-d4	11.683	152	252356	50.00	ug/L		0.00
System Monitoring Compounds							
45) surr4,Dibrflmethane	4.922	113	63990	18.16	ug/L		0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 36.32%#				
48) surr1,1,2-dichloroetha...	5.507	65	73305	18.16	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 36.32%#				
65) SURR3,Toluene-d8	8.104	98	231925	18.10	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 36.20%#				
70) SURR2,BFB	10.707	95	86382	17.69	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 35.38%#				
Target Compounds							Qvalue
2) Chlorodifluoromethane	1.099	51	63615	18.824	ug/L		92
3) Dichlorodifluoromethane	1.093	85	73937m	19.388	ug/L		
4) Chloromethane	1.239	50	56082	19.220	ug/L		99
5) Vinyl Chloride	1.282	62	71366	17.962	ug/L		95
6) Bromomethane	1.495	94	43859	16.433	ug/L		100
7) Chloroethane	1.569	64	45226	16.861	ug/L		99
8) Freon 21	1.709	67	103852	19.162	ug/L		97
9) Trichlorofluoromethane	1.751	101	86968	17.029	ug/L		97
10) Diethyl Ether	1.971	59	47273	19.687	ug/L		94
11) Freon 123a	1.977	67	58239	18.068	ug/L		78
12) Freon 123	2.026	83	77176	19.570	ug/L		94
13) Acrolein	2.068	56	53721	97.768	ug/L		95
14) 1,1-Diclethene	2.148	96	46874	16.807	ug/L	#	83
15) Freon 113	2.154	101	48790	16.053	ug/L		85
16) Acetone	2.196	43	36444	21.361	ug/L		94
17) 2-Propanol	2.318	45	118866	424.345	ug/L		100
18) Iodomethane	2.270	142	82181	19.234	ug/L		92
19) Carbon Disulfide	2.325	76	145746	17.595	ug/L		99
20) Acetonitrile	2.446	41	55942m	43.739	ug/L		
21) Allyl Chloride	2.459	76	26186	16.571	ug/L	#	66
22) Methyl Acetate	2.483	43	77619	20.101	ug/L		93
23) Methylene Chloride	2.568	84	54093	17.391	ug/L	#	87
24) TBA	2.696	59	208435	424.457	ug/L		97
25) Acrylonitrile	2.812	53	143170	99.279	ug/L		99
26) Methyl-t-Butyl Ether	2.855	73	187507	18.932	ug/L		94
27) trans-1,2-Dichloroethene	2.837	96	51779	16.372	ug/L	#	80
28) 1,1-Diclethane	3.306	63	90410	18.003	ug/L		98
29) Vinyl Acetate	3.397	86	9323	20.042	ug/L	#	42
30) DIPE	3.428	45	165660	18.246	ug/L		97
31) 2-Chloro-1,3-Butadiene	3.422	53	83042	17.349	ug/L		83
32) ETBE	3.922	59	173530	18.414	ug/L		97
33) 2,2-Dichloropropane	4.086	77	84617	14.932	ug/L		96
34) cis-1,2-Dichloroethene	4.099	96	60693	17.621	ug/L	#	72
35) 2-Butanone	4.160	43	42026	20.848	ug/L		95
36) Propionitrile	4.239	54	60707	100.849	ug/L		95
37) Bromochloromethane	4.470	130	41849	19.948	ug/L	#	80
38) Methacrylonitrile	4.489	67	32525	20.351	ug/L	#	77
39) Tetrahydrofuran	4.580	42	23707	19.418	ug/L		87
40) Chloroform	4.641	83	97651	17.946	ug/L		97

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Acq On : 04 Aug 2023 05:56 pm
Operator : K.Ruest
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Misc : WATER ICAL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 05 09:35:39 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) 1,1,1-Trichloroethane	4.922	97	86680	16.951	ug/L		96
42) TAME	5.848	73	171471	18.639	ug/L		94
44) Cyclohexane	5.007	41	54380	20.072	ug/L		98
46) Carbontetrachloride	5.220	117	75151	16.983	ug/L		98
47) 1,1-Dichloropropene	5.239	75	66799	16.499	ug/L		93
49) Benzene	5.580	78	200299	17.312	ug/L		97
50) 1,2-Dichloroethane	5.629	62	82414	18.210	ug/L		94
51) Iso-Butyl Alcohol	5.641	43	79977	417.616	ug/L		99
52) n-Heptane	6.098	43	60823	14.645	ug/L		87
53) 1-Butanol	6.647	56	128499	1102.309	ug/L		95
54) Trichloroethene	6.574	130	58922	16.425	ug/L		94
55) Methylcyclohexane	6.811	55	73378	19.824	ug/L	#	82
56) 1,2-Diclpropane	6.872	63	52617	17.528	ug/L		97
57) Dibromomethane	7.013	93	40396	18.324	ug/L	#	78
58) 1,4-Dioxane	7.104	88	22792	412.119	ug/L	#	78
59) Methyl Methacrylate	7.116	69	52276	19.174	ug/L		87
60) Bromodichloromethane	7.257	83	81550	17.613	ug/L		100
61) 2-Nitropropane	7.555	41	46031	39.133	ug/L		99
62) 2-Chloroethylvinyl Ether	7.677	63	39710	20.645	ug/L		89
63) cis-1,3-Dichloropropene	7.805	75	92892	17.977	ug/L		97
64) 4-Methyl-2-pentanone	8.031	43	78520	20.494	ug/L		94
66) Toluene	8.177	91	220282	16.720	ug/L		99
67) trans-1,3-Dichloropropene	8.464	75	88012	18.412	ug/L		94
68) Ethyl Methacrylate	8.610	69	92504	17.175	ug/L		89
69) 1,1,2-Trichloroethane	8.653	97	57021	18.084	ug/L		95
72) Tetrachloroethene	8.775	164	45819	15.692	ug/L		93
73) 2-Hexanone	8.957	43	60614	21.098	ug/L		94
74) 1,3-Dichloropropane	8.823	76	95551	18.494	ug/L		90
75) Dibromochloromethane	9.049	129	71564	16.639	ug/L		99
76) N-Butyl Acetate	9.116	43	117288	20.512	ug/L		96
77) 1,2-Dibromoethane	9.146	107	64770	18.897	ug/L		99
78) 3-Chlorobenzotrifluoride	9.677	180	91983	17.341	ug/L		96
79) Chlorobenzene	9.646	112	153937	17.151	ug/L		93
80) 4-Chlorobenzotrifluoride	9.732	180	84035	17.603	ug/L		98
81) 1,1,1,2-Tetrachloroethane	9.738	131	62707	17.508	ug/L		98
82) Ethylbenzene	9.768	106	76864	16.445	ug/L	#	90
83) (m+p)Xylene	9.884	106	190503	32.627	ug/L		94
84) o-Xylene	10.244	106	94743	16.521	ug/L		93
85) Styrene	10.256	104	166854	17.165	ug/L		94
86) Bromoform	10.408	173	53773	18.496	ug/L		97
87) 2-Chlorobenzotrifluoride	10.494	180	87777	16.935	ug/L		97
88) Isopropylbenzene	10.579	105	224670	15.911	ug/L		99
89) Cyclohexanone	10.652	55	295995	414.839	ug/L		93
90) trans-1,4-Dichloro-2-B...	10.896	53	26375	18.971	ug/L		94
92) 1,1,2,2-Tetrachloroethane	10.853	83	87402	19.515	ug/L		98
93) Bromobenzene	10.823	156	73015	17.204	ug/L	#	82
94) 1,2,3-Trichloropropane	10.878	110	29821	19.244	ug/L	#	85
95) n-Propylbenzene	10.939	91	273266	16.321	ug/L		98
96) 2-Chlorotoluene	11.000	91	170623	16.823	ug/L		95
97) 3-Chlorotoluene	11.055	91	182578	17.582	ug/L		92
98) 4-Chlorotoluene	11.091	91	204114	16.517	ug/L		98
99) 1,3,5-Trimethylbenzene	11.091	105	208734	16.164	ug/L		96
100) tert-Butylbenzene	11.366	119	172377	15.701	ug/L		98
101) 1,2,4-Trimethylbenzene	11.402	105	209198	16.820	ug/L		100
102) 3,4-Dichlorobenzotrifl...	11.475	214	72170	17.260	ug/L		96
103) sec-Butylbenzene	11.548	105	247459	15.763	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4263.D
Acq On : 04 Aug 2023 05:56 pm
Operator : K.Ruest
Sample : 20ppb
Misc : WATER ICAL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 05 09:35:39 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
104) p-Isopropyltoluene	11.670	119	220835	16.020	ug/L		97
105) 1,3-Dclbenz	11.628	146	128334	16.678	ug/L		97
106) 1,4-Dclbenz	11.701	146	135387	17.191	ug/L		97
107) 2,4-Dichlorobenzotrifl...	11.762	214	65448	17.480	ug/L		98
108) 2,5-Dichlorobenzotrifl...	11.805	214	74229	17.895	ug/L		98
109) n-Butylbenzene	12.006	91	190876	16.115	ug/L		94
110) 1,2-Dclbenz	12.006	146	132942	17.640	ug/L		96
111) 1,2-Dibromo-3-chloropr...	12.634	157	25152	20.338	ug/L	#	86
112) Trielution Dichlorotol...	12.749	125	349992	54.373	ug/L		93
113) 1,3,5-Trichlorobenzene	12.798	180	103147	18.237	ug/L		98
114) Coelution Dichlorotoluene	13.079	125	251571	36.976	ug/L		93
115) 1,2,4-Tcbenzene	13.286	180	100873	17.687	ug/L		99
116) Hexachlorobt	13.426	225	42266	15.897	ug/L		99
117) Naphthalen	13.475	128	281751	19.920	ug/L		99
118) 1,2,3-Tclbenzene	13.664	180	101712	18.406	ug/L		99
119) 2,4,5-Trichlorotoluene	14.249	159	71327	19.811	ug/L		99
120) 2,3,6-Trichlorotoluene	14.335	159	69681	20.715	ug/L		98

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

Quantitation Report (QT Reviewed)

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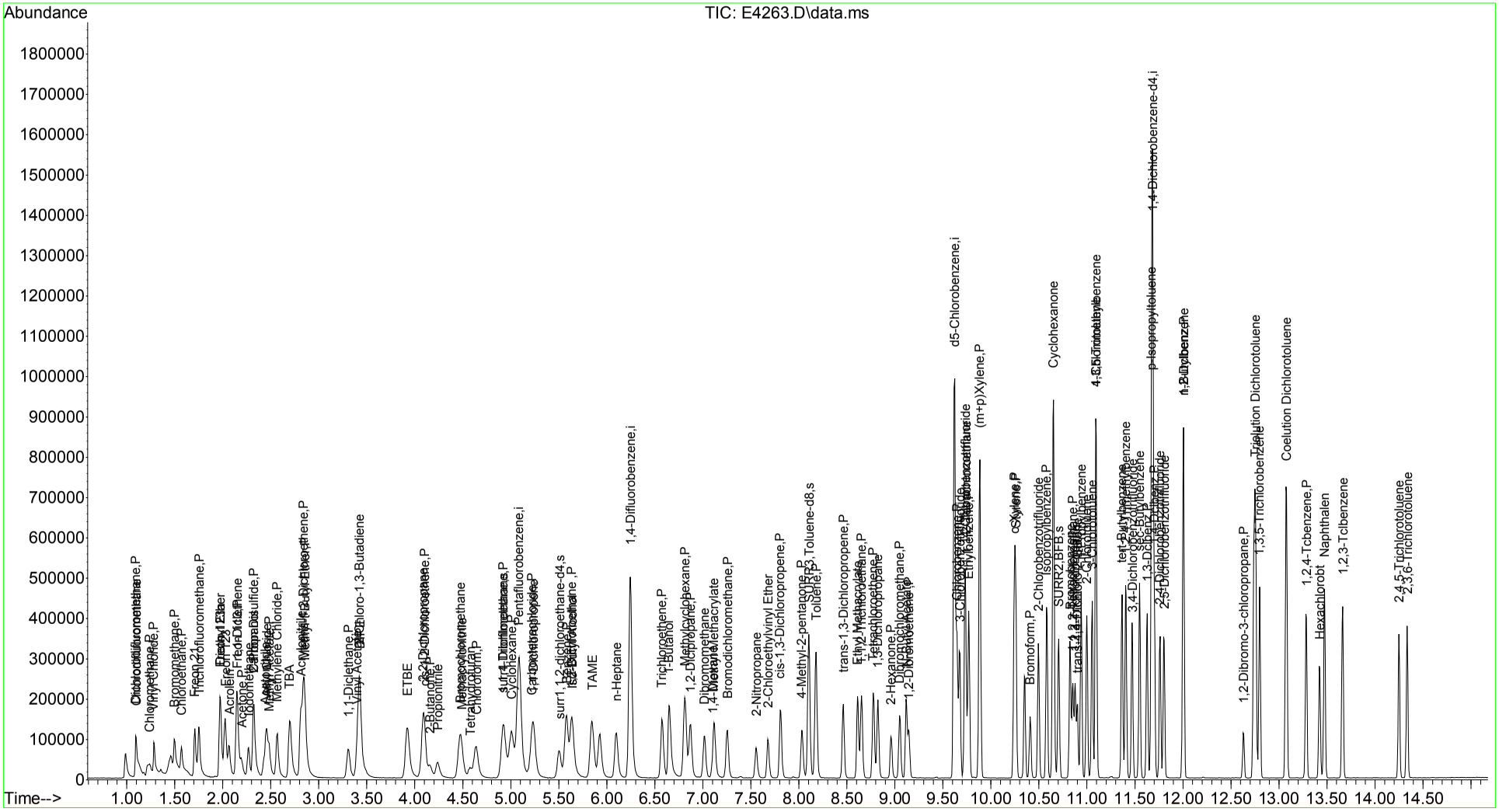
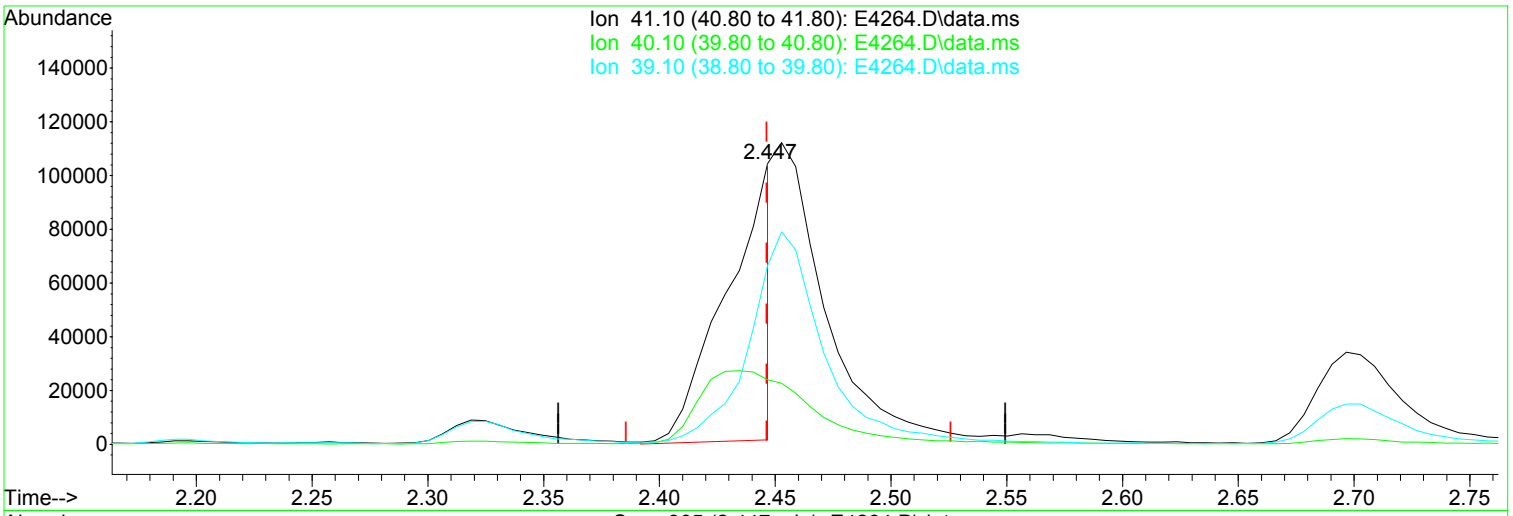


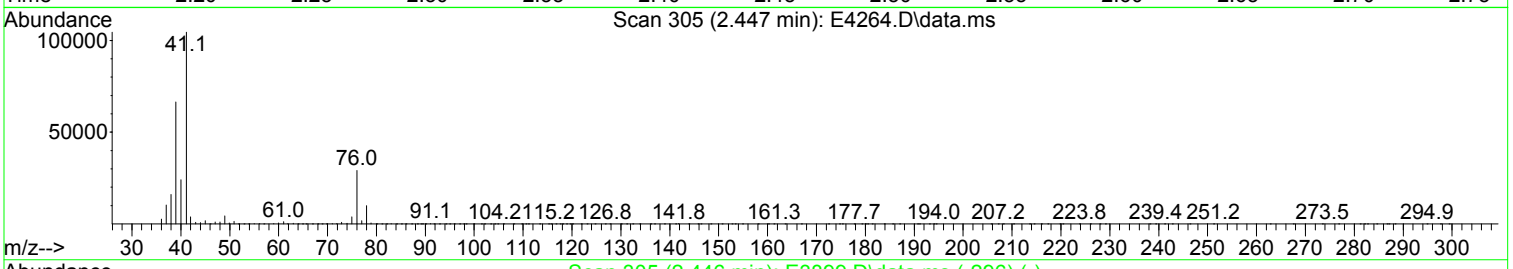
1st 08/05/23
2nd 08/07/23

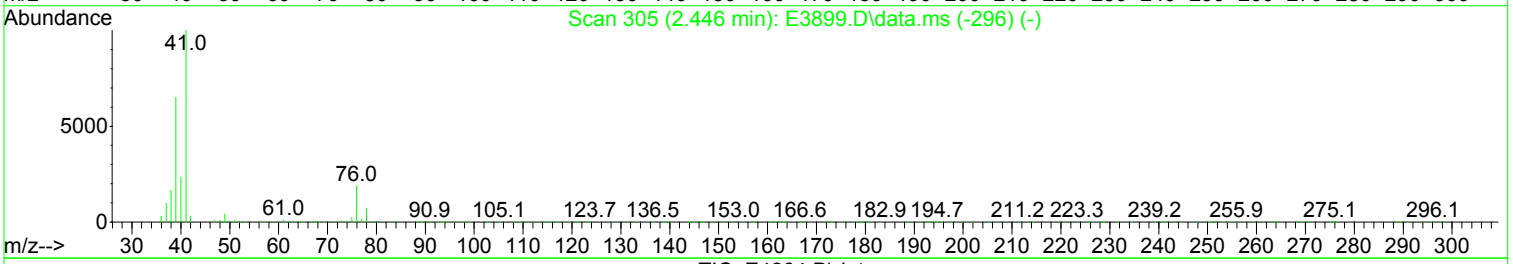
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4264.D
Acq On : 04 Aug 2023 06:19 pm
Operator : K.Ruest
Sample : 50ppb
Misc : WATER ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 05 09:35:43 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration







TIC: E4264.D\data.ms

(20) Acetonitrile

2.447min (+ 0.000) 108.45 ug/L m

response 143192

Ion	Exp%	Act%
41.10	100.00	100.00
40.10	23.60	23.02
39.10	65.30	63.56
0.00	0.00	0.00

Manual Integration:

After

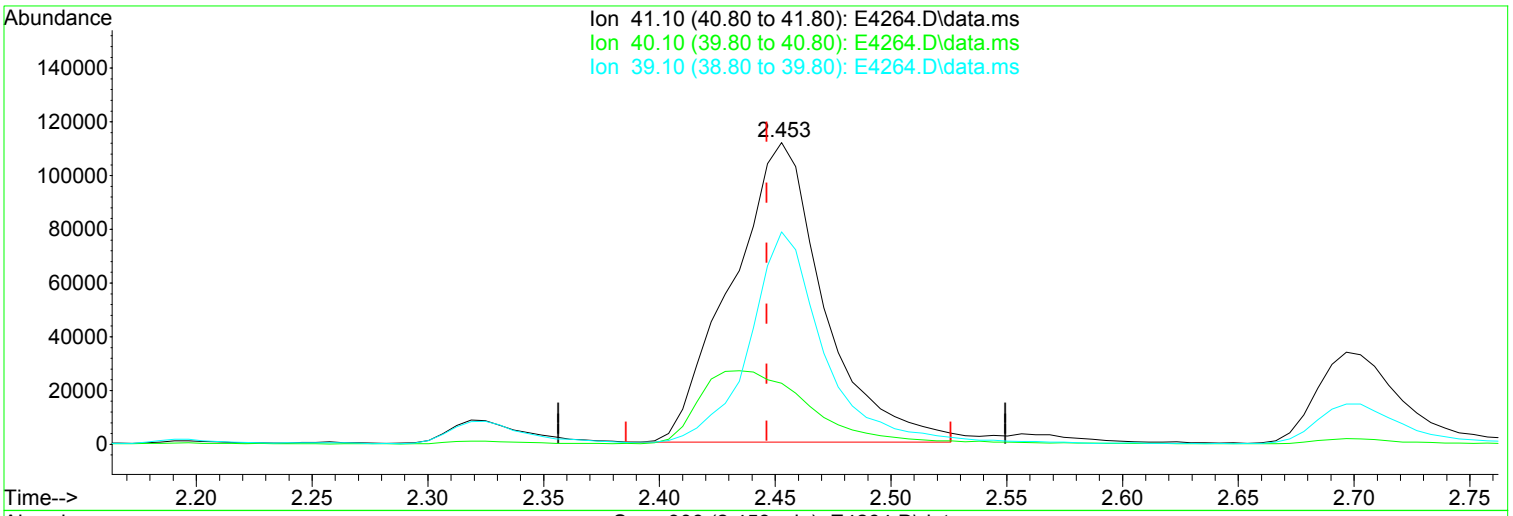
Poor integration.

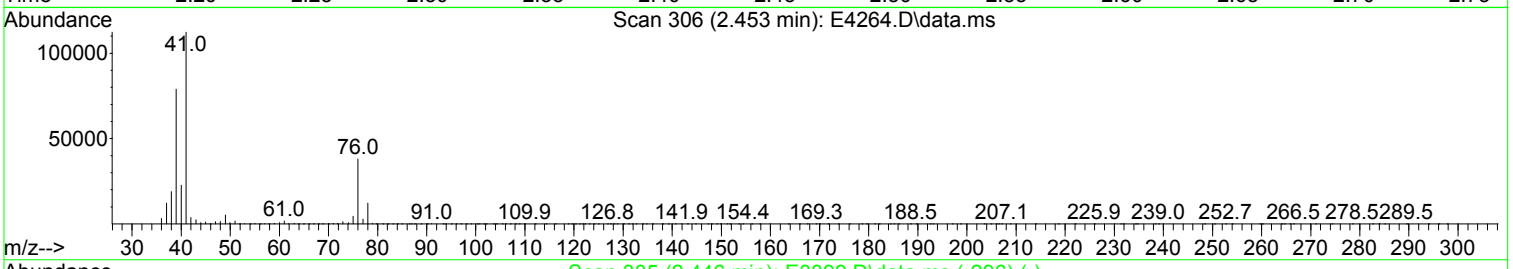
08/05/23

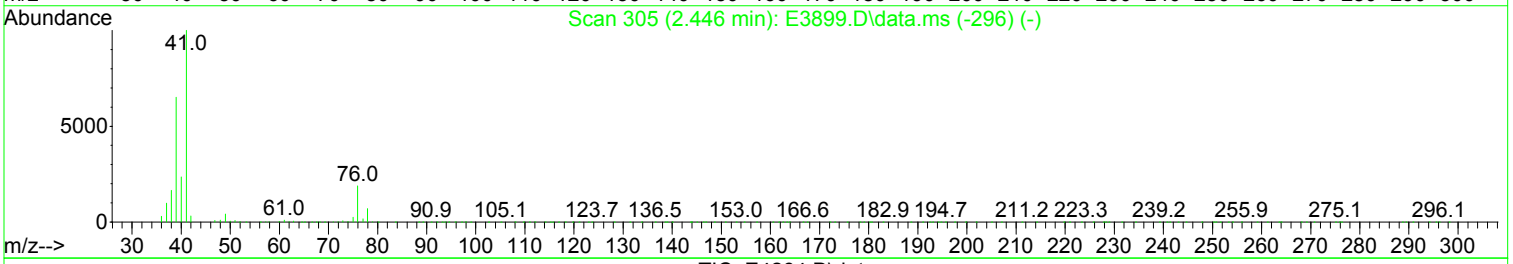
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4264.D
Acq On : 04 Aug 2023 06:19 pm
Operator : K.Ruest
Sample : 50ppb
Misc : WATER ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 05 09:35:43 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration







TIC: E4264.D\data.ms

(20) Acetonitrile

2.453min (+ 0.006) 234.56 ug/L

response 309706

Ion	Exp%	Act%
41.10	100.00	100.00
40.10	23.60	20.28
39.10	65.30	70.37
0.00	0.00	0.00

Manual Integration:

Before

08/05/23

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4264.D
Acq On : 04 Aug 2023 06:19 pm
Operator : K.Ruest
Sample : 50ppb
Misc : WATER ICAL
ALS Vial : 6 Sample Multiplier: 1

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Quant Title : MS#17 - 8260 WATERS 5mL Purge
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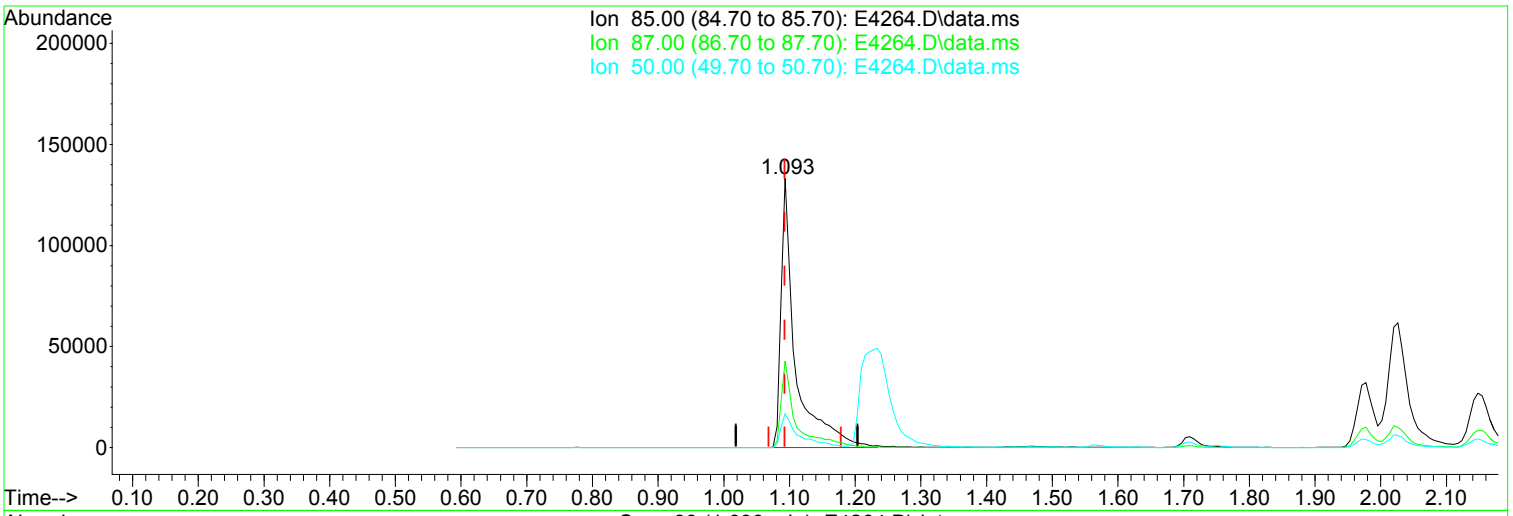

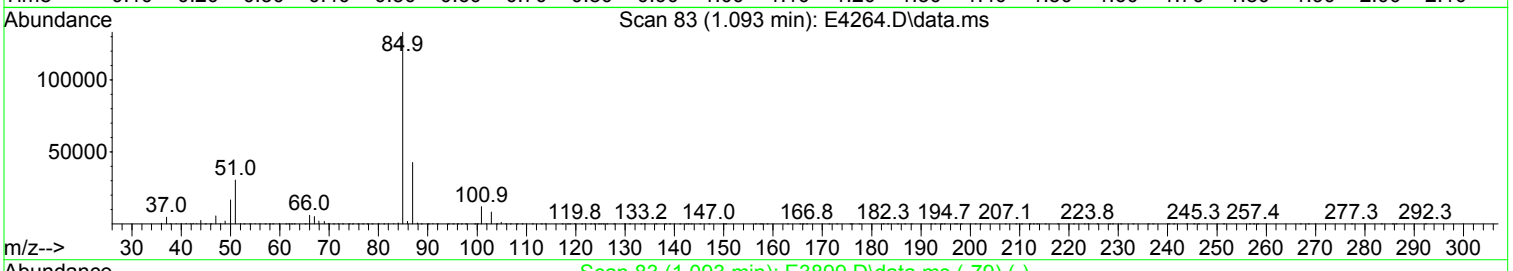

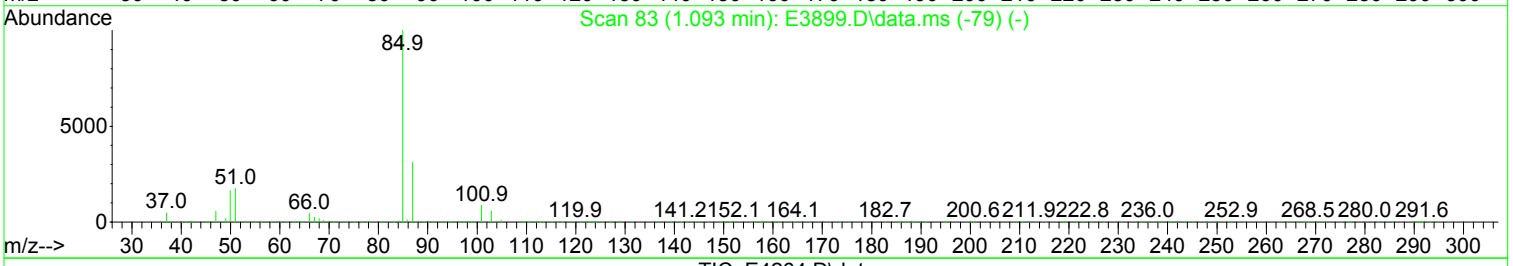

TIC: E4264.D\data.ms

(3) Dichlorodifluoromethane (P)

1.093min (+ 0.000) 51.89 ug/L m

response 204271

Ion	Exp%	Act%
85.00	100.00	100.00
87.00	31.30	32.09
50.00	16.40	12.58
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

08/05/23

1st 08/05/23
2nd 08/07/23

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4264.D
Acq On : 04 Aug 2023 06:19 pm
Operator : K.Ruest
Sample : 50ppb
Misc : WATER ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 05 09:35:43 2023
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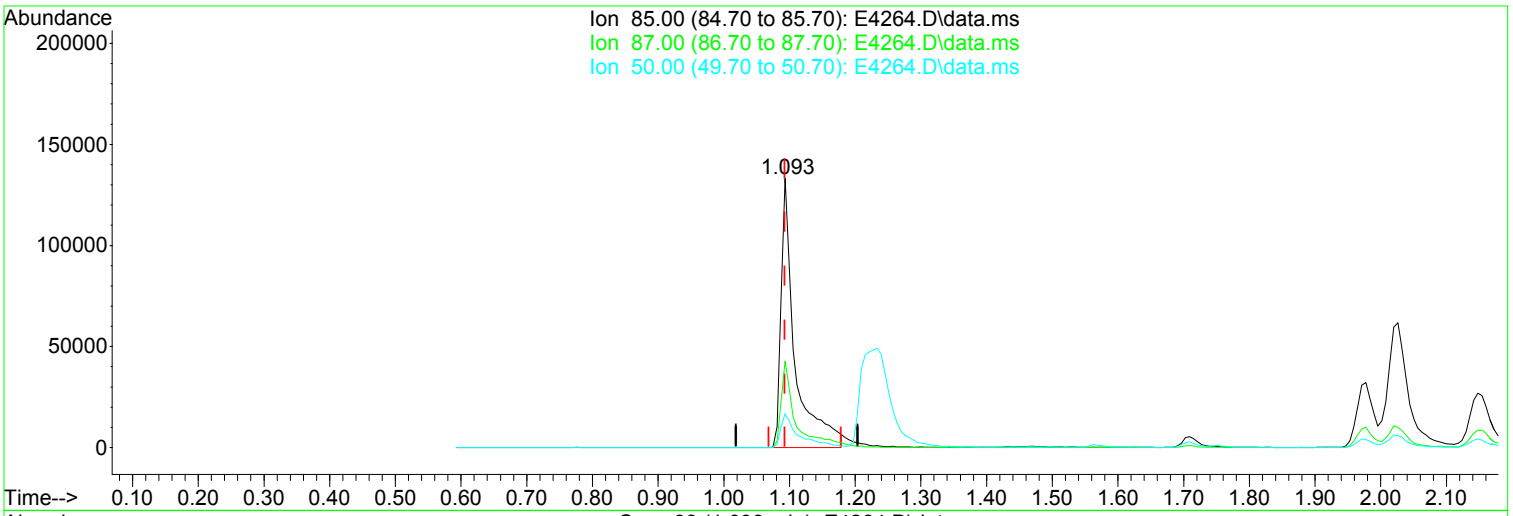
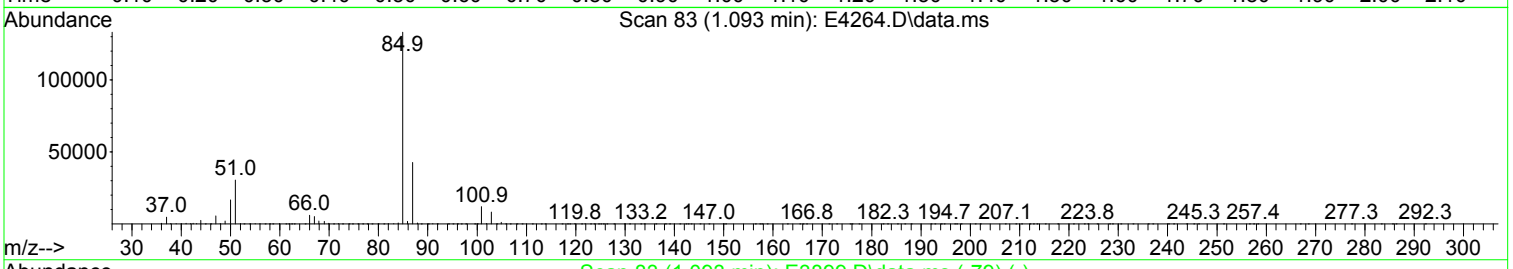
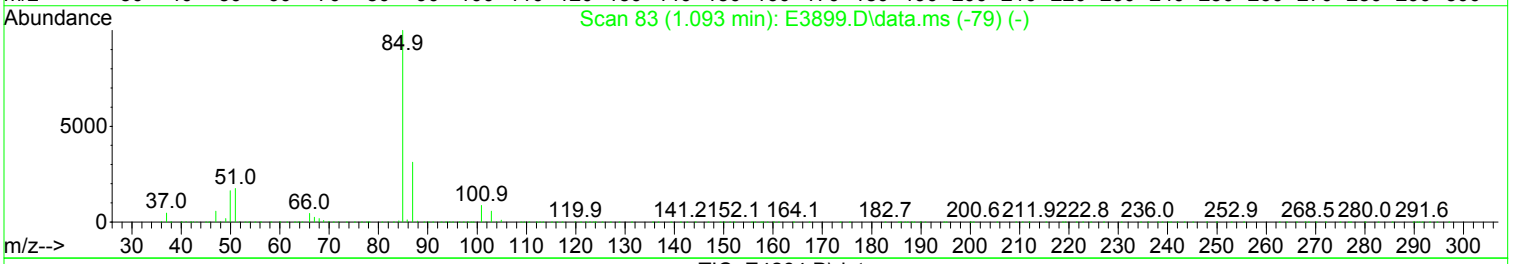
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration







TIC: E4264.D\data.ms

(3) Dichlorodifluoromethane (P)

1.093min (+ 0.000) 49.95 ug/L

response 196643

Ion	Exp%	Act%
85.00	100.00	100.00
87.00	31.30	32.09
50.00	16.40	12.58
0.00	0.00	0.00

Manual Integration:

Before

08/05/23

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4264.D
Acq On : 04 Aug 2023 06:19 pm
Operator : K.Ruest
Sample : 50ppb
Misc : WATER ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 05 09:35:43 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.086	168	379622	50.00	ug/L		0.00
43) 1,4-Difluorobenzene	6.245	114	548425	50.00	ug/L		0.00
71) d5-Chlorobenzene	9.622	117	514048	50.00	ug/L		0.00
91) 1,4-Dichlorobenzene-d4	11.683	152	294440	50.00	ug/L		0.00
System Monitoring Compounds							
45) surr4,Dibrflmethane	4.922	113	185160	51.05	ug/L		0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 102.10%				
48) surr1,1,2-dichloroetha...	5.507	65	212165	51.05	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 102.10%				
65) SURR3,Toluene-d8	8.104	98	663895	50.32	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 100.64%				
70) SURR2,BFB	10.707	95	248054	49.35	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 98.70%				
Target Compounds							Qvalue
2) Chlorodifluoromethane	1.099	51	153220	43.918	ug/L		93
3) Dichlorodifluoromethane	1.093	85	204271m	51.888	ug/L		
4) Chloromethane	1.233	50	150451	49.946	ug/L		95
5) Vinyl Chloride	1.282	62	191299	46.641	ug/L		99
6) Bromomethane	1.490	94	137551	49.923	ug/L		97
7) Chloroethane	1.569	64	124588	44.993	ug/L		95
8) Freon 21	1.709	67	249134	44.529	ug/L		99
9) Trichlorofluoromethane	1.752	101	244665	46.407	ug/L		99
10) Diethyl Ether	1.971	59	123154	49.682	ug/L		93
11) Freon 123a	1.977	67	139007	41.775	ug/L		75
12) Freon 123	2.026	83	182915	44.929	ug/L		95
13) Acrolein	2.063	56	131833	232.410	ug/L		99
14) 1,1-Diclethene	2.142	96	128250	44.545	ug/L	#	84
15) Freon 113	2.154	101	142472	45.409	ug/L		89
16) Acetone	2.197	43	81084	46.038	ug/L		98
17) 2-Propanol	2.325	45	274696	949.932	ug/L		100
18) Iodomethane	2.264	142	235189	53.319	ug/L		93
19) Carbon Disulfide	2.319	76	413245	48.325	ug/L		99
20) Acetonitrile	2.447	41	143192m	108.449	ug/L		
21) Allyl Chloride	2.453	76	76820	47.091	ug/L	#	67
22) Methyl Acetate	2.483	43	186742	46.846	ug/L		91
23) Methylene Chloride	2.562	84	142491	44.377	ug/L	#	87
24) TBA	2.697	59	473375	933.786	ug/L		96
25) Acrylonitrile	2.812	53	353804	237.654	ug/L		100
26) Methyl-t-Butyl Ether	2.849	73	478749	46.824	ug/L		96
27) trans-1,2-Dichloroethene	2.837	96	143177	43.854	ug/L	#	83
28) 1,1-Diclethane	3.306	63	245854	47.423	ug/L		98
29) Vinyl Acetate	3.404	86	23220	48.354	ug/L	#	53
30) DIPE	3.422	45	443672	47.336	ug/L		93
31) 2-Chloro-1,3-Butadiene	3.422	53	238668	48.299	ug/L		83
32) ETBE	3.922	59	458124	47.090	ug/L		95
33) 2,2-Dichloropropane	4.087	77	233368	39.892	ug/L		95
34) cis-1,2-Dichloroethene	4.093	96	162718	45.763	ug/L	#	80
35) 2-Butanone	4.160	43	99997	48.051	ug/L		93
36) Propionitrile	4.233	54	143211	230.456	ug/L		98
37) Bromochloromethane	4.465	130	110985	51.245	ug/L	#	82
38) Methacrylonitrile	4.477	67	79985	48.480	ug/L	#	75
39) Tetrahydrofuran	4.568	42	57565	45.674	ug/L		90
40) Chloroform	4.635	83	262202	46.677	ug/L		95

1st 08/05/23
2nd 08/07/23

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4264.D
Acq On : 04 Aug 2023 06:19 pm
Operator : K.Ruest
Sample : 50ppb
Misc : WATER ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 05 09:35:43 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) 1,1,1-Trichloroethane	4.922	97	245542	46.515	ug/L		97
42) TAME	5.842	73	454482	47.854	ug/L		94
44) Cyclohexane	5.007	41	130594	46.828	ug/L		97
46) Carbontetrachloride	5.221	117	218494	47.966	ug/L		98
47) 1,1-Dichloropropene	5.239	75	188949	45.339	ug/L		95
49) Benzene	5.580	78	549847	46.167	ug/L		94
50) 1,2-Dichloroethane	5.629	62	215740	46.309	ug/L		97
51) Iso-Butyl Alcohol	5.641	43	186961	948.400	ug/L		100
52) n-Heptane	6.098	43	184678	43.199	ug/L		90
53) 1-Butanol	6.653	56	307511	2562.669	ug/L		93
54) Trichloroethene	6.574	130	167594	45.386	ug/L		91
55) Methylcyclohexane	6.812	55	175492	46.059	ug/L		85
56) 1,2-Diclpropane	6.867	63	142418	46.089	ug/L		100
57) Dibromomethane	7.013	93	106600	46.975	ug/L	#	79
58) 1,4-Dioxane	7.098	88	53882	946.481	ug/L		79
59) Methyl Methacrylate	7.117	69	130424	46.471	ug/L	#	85
60) Bromodichloromethane	7.251	83	218295	45.802	ug/L		97
61) 2-Nitropropane	7.555	41	114292	94.392	ug/L		95
62) 2-Chloroethylvinyl Ether	7.677	63	96650	48.814	ug/L		89
63) cis-1,3-Dichloropropene	7.805	75	246441	46.332	ug/L		95
64) 4-Methyl-2-pentanone	8.031	43	186774	47.358	ug/L		91
66) Toluene	8.177	91	625610	46.131	ug/L		99
67) trans-1,3-Dichloropropene	8.464	75	236017	47.966	ug/L		96
68) Ethyl Methacrylate	8.610	69	236815	42.713	ug/L		89
69) 1,1,2-Trichloroethane	8.653	97	150910	46.495	ug/L		96
72) Tetrachloroethene	8.775	164	134289	43.040	ug/L		93
73) 2-Hexanone	8.958	43	141178	45.989	ug/L		93
74) 1,3-Dichloropropane	8.824	76	249753	45.238	ug/L		88
75) Dibromochloromethane	9.049	129	191277	41.619	ug/L		100
76) N-Butyl Acetate	9.116	43	286419	46.878	ug/L		95
77) 1,2-Dibromoethane	9.147	107	167722	45.794	ug/L		99
78) 3-Chlorobenzotrifluoride	9.677	180	255340	45.048	ug/L		96
79) Chlorobenzene	9.647	112	428857	44.715	ug/L		93
80) 4-Chlorobenzotrifluoride	9.732	180	227523	44.601	ug/L		97
81) 1,1,1,2-Tetrachloroethane	9.738	131	172363	45.038	ug/L		98
82) Ethylbenzene	9.768	106	222312	44.513	ug/L	#	86
83) (m+p)Xylene	9.884	106	553140	88.659	ug/L		91
84) o-Xylene	10.244	106	269376	43.959	ug/L		95
85) Styrene	10.256	104	471614	45.405	ug/L		95
86) Bromoform	10.409	173	147844	47.591	ug/L		100
87) 2-Chlorobenzotrifluoride	10.494	180	252747	45.635	ug/L		93
88) Isopropylbenzene	10.579	105	666168	44.152	ug/L		99
89) Cyclohexanone	10.652	55	693490	909.582	ug/L		94
90) trans-1,4-Dichloro-2-B...	10.902	53	68128	45.859	ug/L		81
92) 1,1,2,2-Tetrachloroethane	10.854	83	223559	42.781	ug/L		97
93) Bromobenzene	10.823	156	207936	41.992	ug/L	#	79
94) 1,2,3-Trichloropropane	10.878	110	75353	41.676	ug/L	#	81
95) n-Propylbenzene	10.939	91	820343	41.993	ug/L		96
96) 2-Chlorotoluene	11.000	91	490319	41.435	ug/L		94
97) 3-Chlorotoluene	11.055	91	508337	41.956	ug/L		93
98) 4-Chlorotoluene	11.098	91	594586	41.238	ug/L		93
99) 1,3,5-Trimethylbenzene	11.091	105	624971	41.481	ug/L		96
100) tert-Butylbenzene	11.366	119	524426	40.940	ug/L		98
101) 1,2,4-Trimethylbenzene	11.408	105	606945	41.825	ug/L		97
102) 3,4-Dichlorobenzotrifl...	11.469	214	208766	42.792	ug/L		96
103) sec-Butylbenzene	11.549	105	747482	40.808	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4264.D
Acq On : 04 Aug 2023 06:19 pm
Operator : K.Ruest
Sample : 50ppb
Misc : WATER ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 05 09:35:43 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration

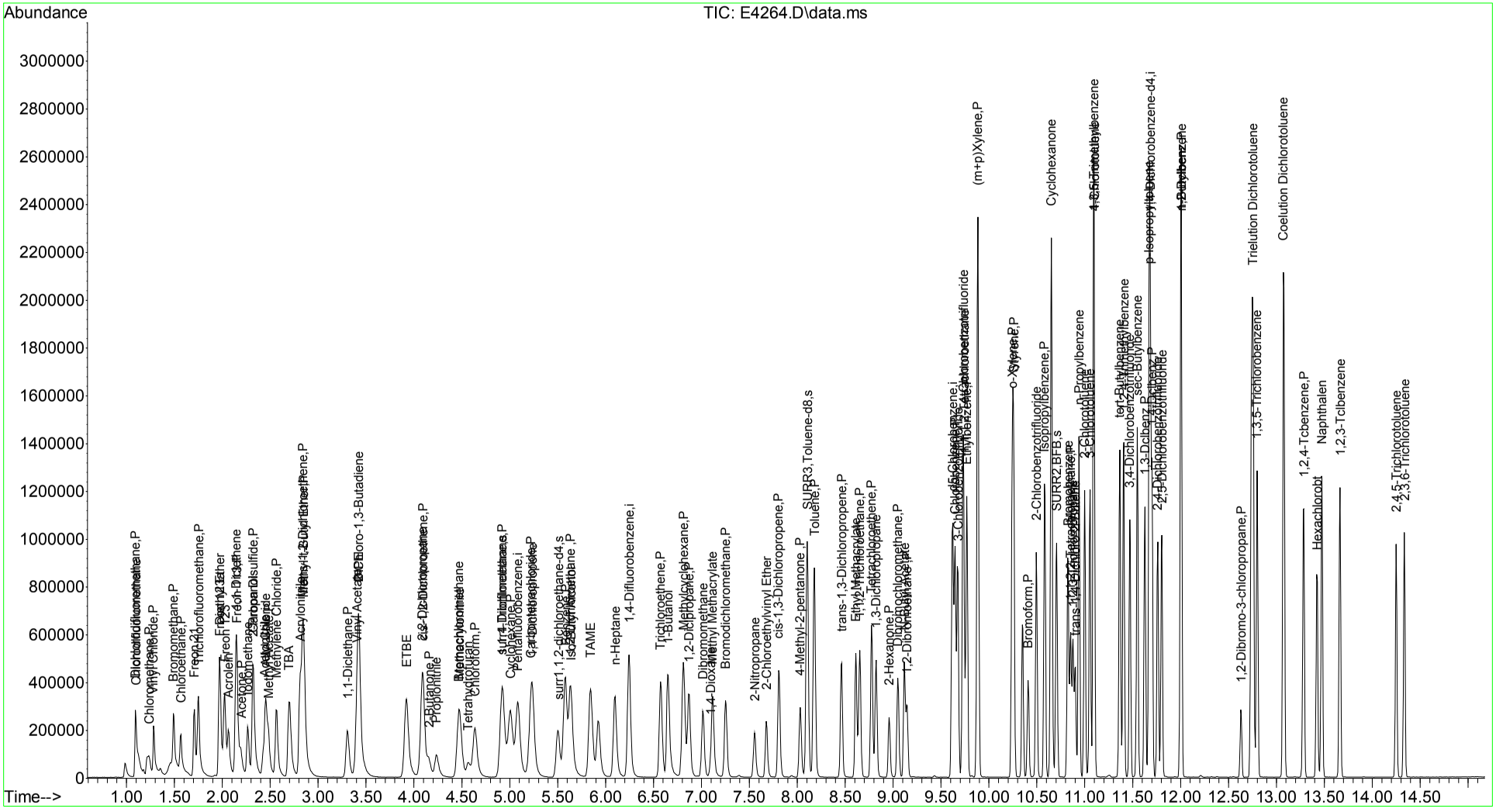
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
104) p-Isopropyltoluene	11.671	119	676592	42.068	ug/L		95
105) 1,3-Dclbenz	11.628	146	370202	41.233	ug/L		97
106) 1,4-Dclbenz	11.701	146	382927	41.672	ug/L		96
107) 2,4-Dichlorobenzotrifl...	11.762	214	190531	43.615	ug/L		98
108) 2,5-Dichlorobenzotrifl...	11.805	214	209840	43.359	ug/L		97
109) n-Butylbenzene	12.006	91	597960	43.267	ug/L		97
110) 1,2-Dclbenz	12.006	146	372373	42.347	ug/L		96
111) 1,2-Dibromo-3-chloropr...	12.634	157	64504	44.703	ug/L	#	84
112) Trielution Dichlorotol...	12.750	125	983736	130.985	ug/L		94
113) 1,3,5-Trichlorobenzene	12.798	180	289305	43.841	ug/L		98
114) Coelution Dichlorotoluene	13.073	125	709600	89.390	ug/L		99
115) 1,2,4-Tcbenzene	13.286	180	289967	43.575	ug/L		98
116) Hexachlorobt	13.426	225	128118	41.300	ug/L		99
117) Naphthalen	13.475	128	751439	45.533	ug/L		99
118) 1,2,3-Tclbenzene	13.664	180	287533	44.596	ug/L		99
119) 2,4,5-Trichlorotoluene	14.249	159	193979	46.177	ug/L		99
120) 2,3,6-Trichlorotoluene	14.335	159	190130	48.444	ug/L		98

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4264.D
Acq On : 04 Aug 2023 06:19 pm
Operator : K.Ruest
Sample : 50ppb
Misc : WATER ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 05 09:35:43 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration

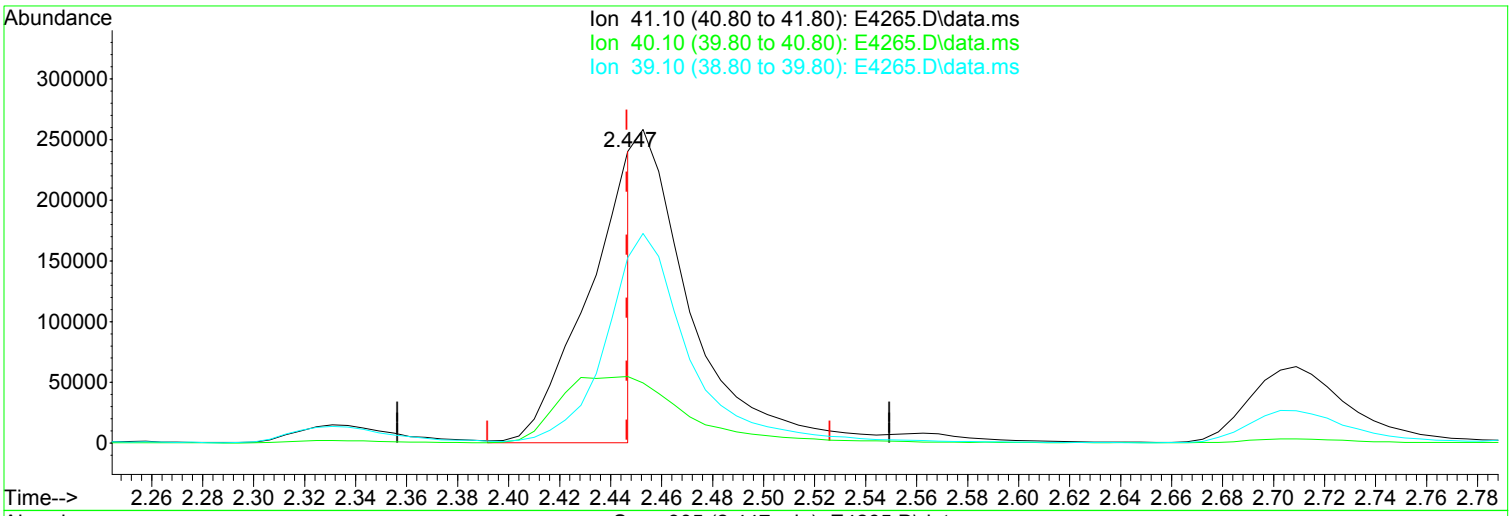


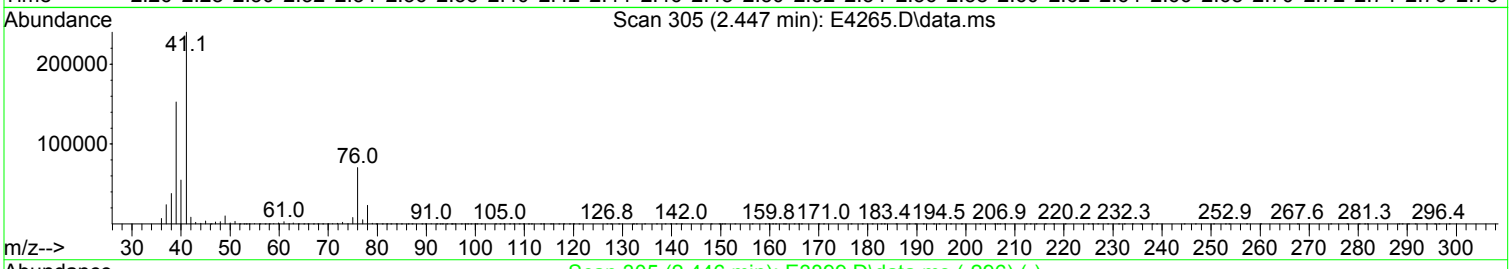
1st 08/05/23
2nd 08/07/23

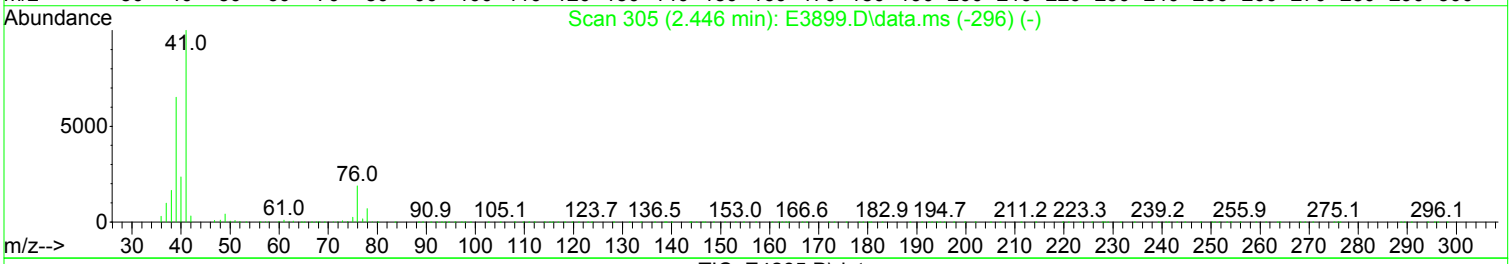
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4265.D
Acq On : 04 Aug 2023 06:42 pm
Operator : K.Ruest
Sample : 100ppb
Misc : WATER ICAL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 05 09:35:47 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration







TIC: E4265.D\data.ms

(20) Acetonitrile

2.447min (+ 0.000) 225.87 ug/L m

response 302938

Ion	Exp%	Act%
41.10	100.00	100.00
40.10	23.60	22.82
39.10	65.30	63.55
0.00	0.00	0.00

Manual Integration:

After

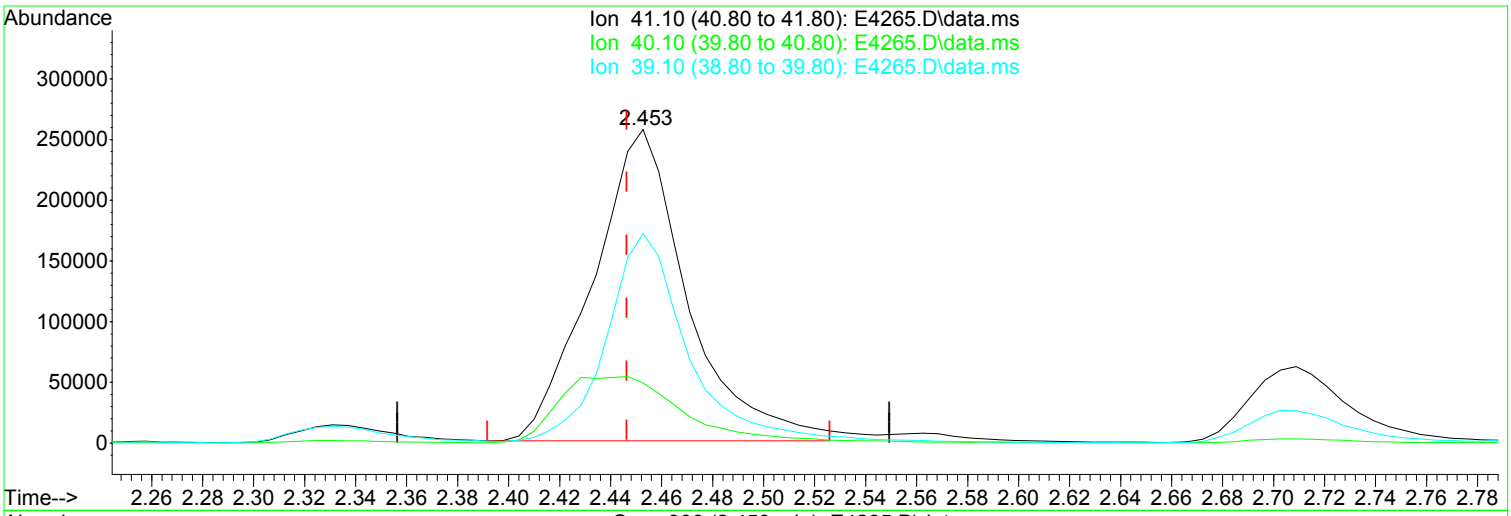
Poor integration.

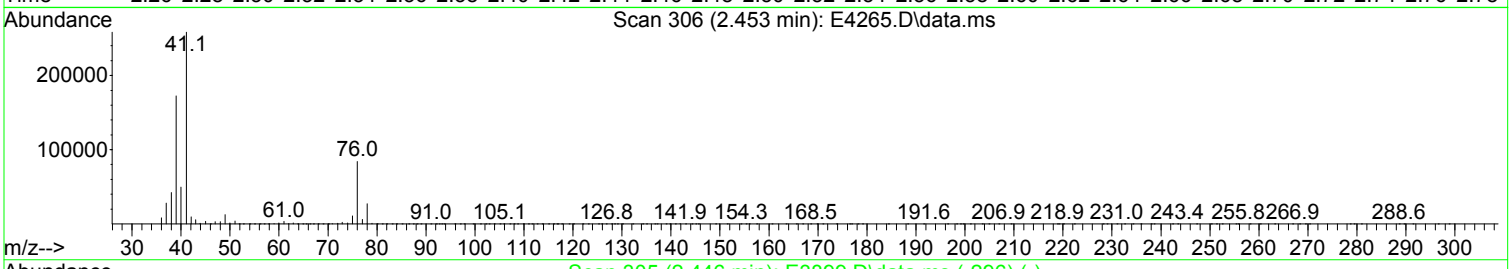
08/05/23

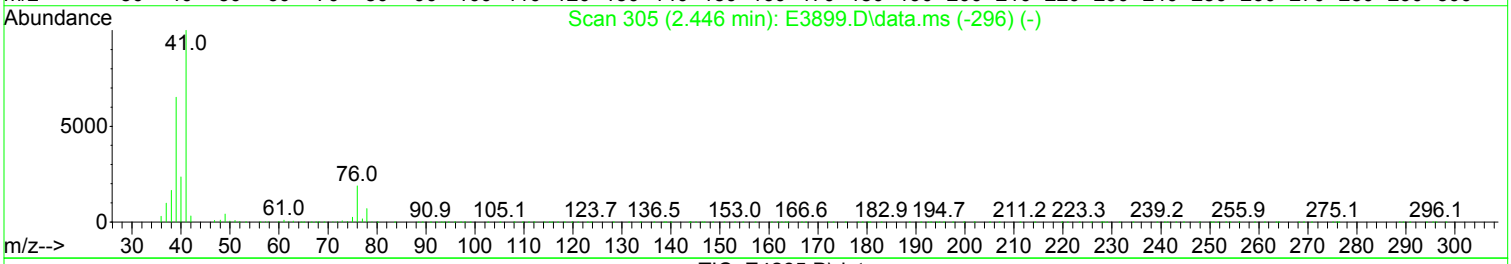
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4265.D
Acq On : 04 Aug 2023 06:42 pm
Operator : K.Ruest
Sample : 100ppb
Misc : WATER ICAL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 05 09:35:47 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration







TIC: E4265.D\data.ms

(20) Acetonitrile

2.453min (+ 0.006) 494.71 ug/L

response 663515

Ion	Exp%	Act%
41.10	100.00	100.00
40.10	23.60	19.22
39.10	65.30	66.84
0.00	0.00	0.00

Manual Integration:

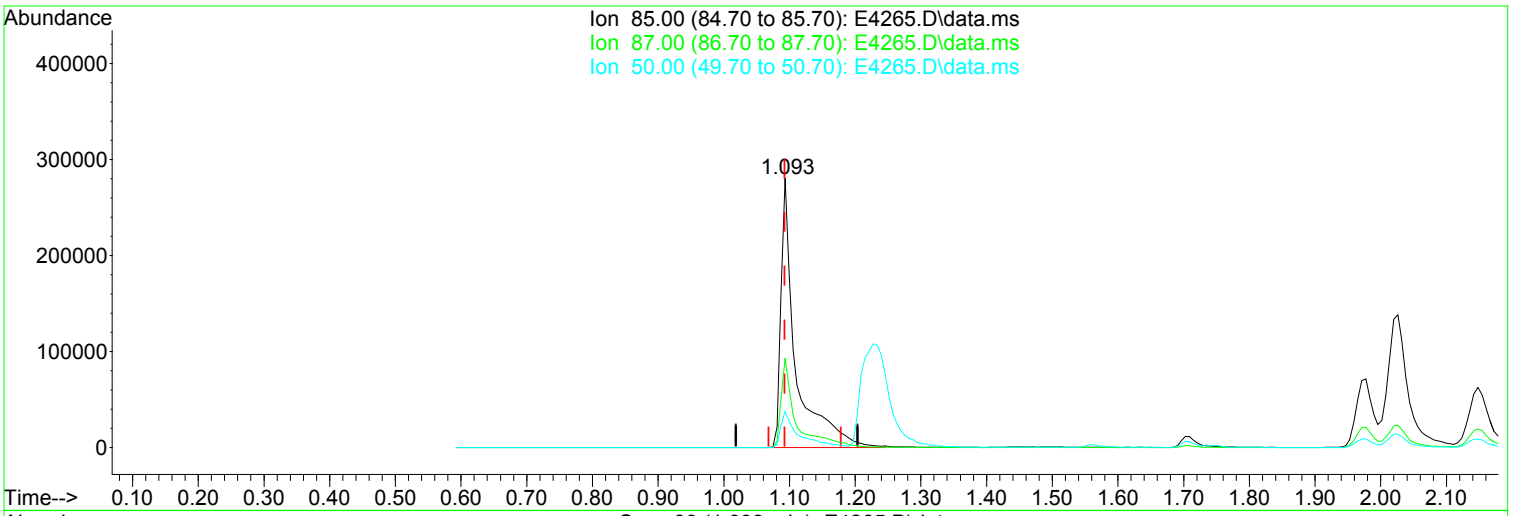
Before

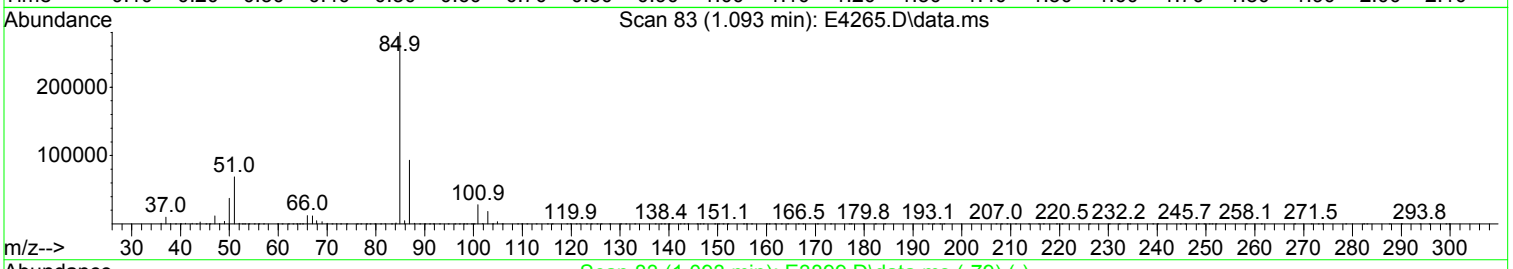
08/05/23

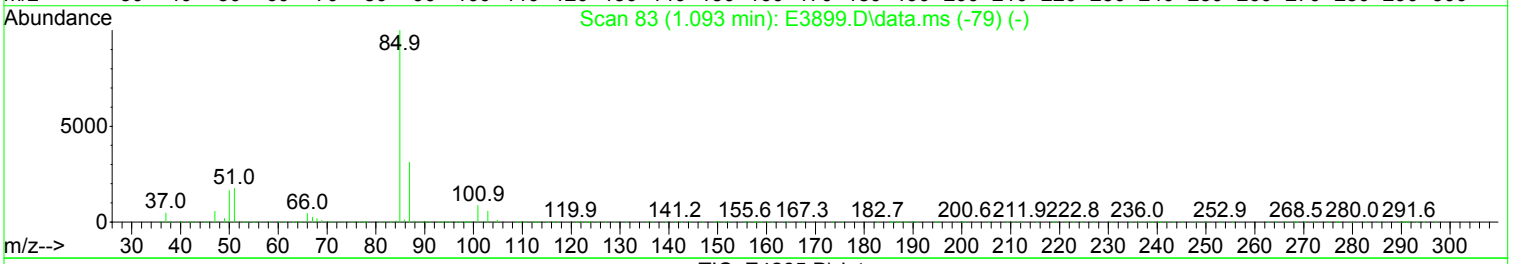
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4265.D
Acq On : 04 Aug 2023 06:42 pm
Operator : K.Ruest
Sample : 100ppb
Misc : WATER ICAL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 05 09:35:47 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration







TIC: E4265.D\data.ms

(3) Dichlorodifluoromethane (P)

1.093min (+ 0.000) 110.96 ug/L m

response 443732

Ion	Exp%	Act%
85.00	100.00	100.00
87.00	31.30	33.20
50.00	16.40	13.41
0.00	0.00	0.00

Manual Integration:

After

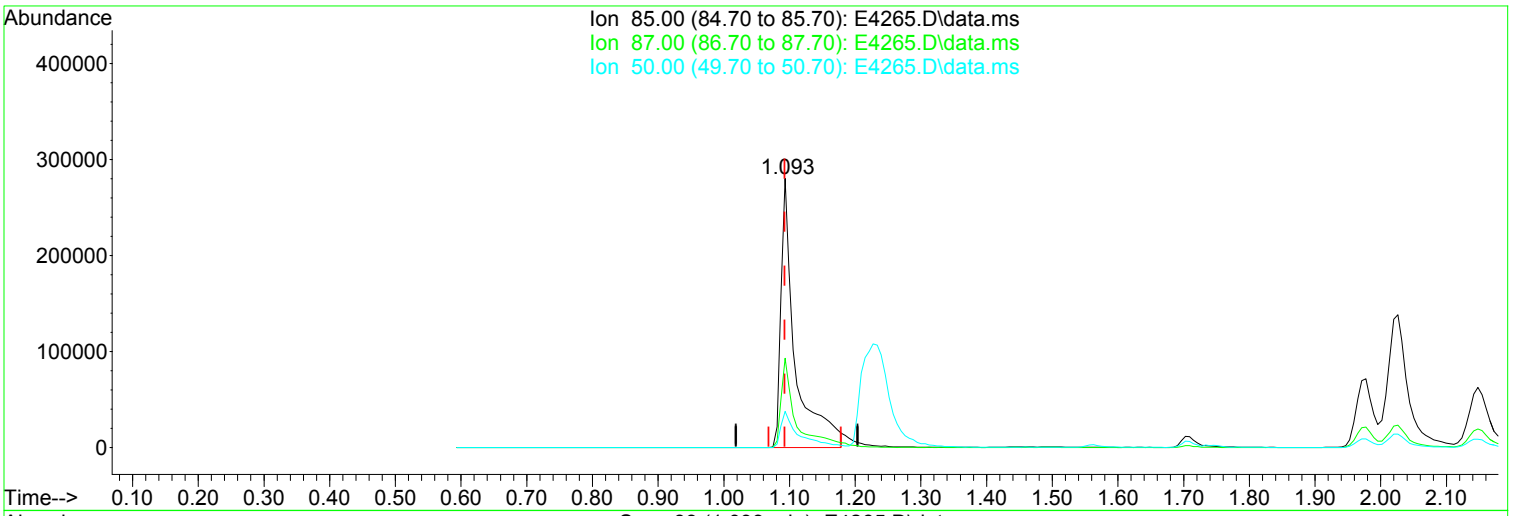
Poor integration.

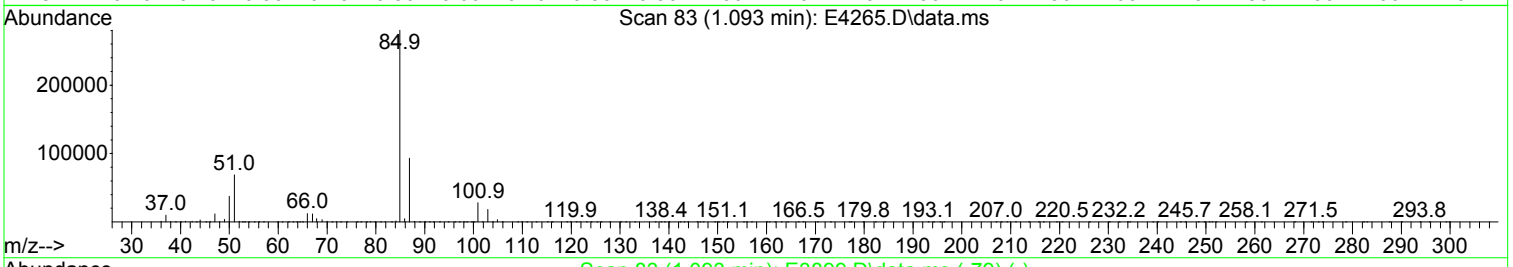
08/05/23

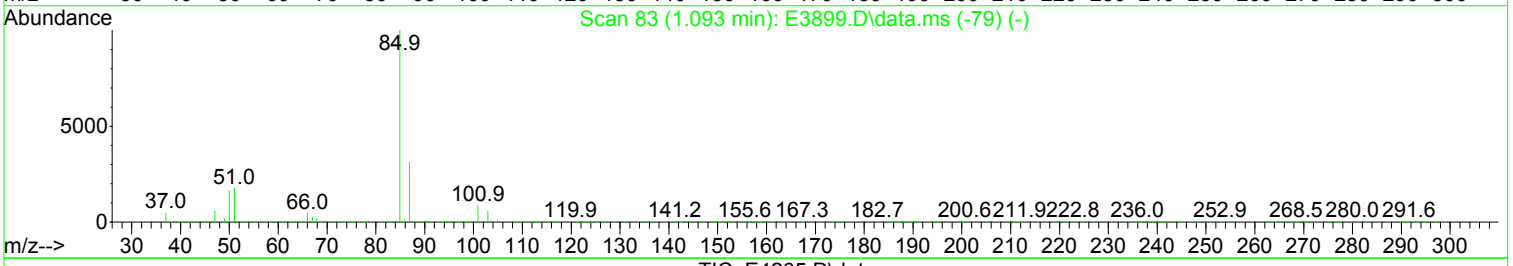
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4265.D
Acq On : 04 Aug 2023 06:42 pm
Operator : K.Ruest
Sample : 100ppb
Misc : WATER ICAL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 05 09:35:47 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration







TIC: E4265.D\data.ms

(3) Dichlorodifluoromethane (P)

1.093min (+ 0.000) 106.19 ug/L

response 424638

Ion	Exp%	Act%
85.00	100.00	100.00
87.00	31.30	33.20
50.00	16.40	13.41
0.00	0.00	0.00

Manual Integration:

Before

08/05/23

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4265.D
Acq On : 04 Aug 2023 06:42 pm
Operator : K.Ruest
Sample : 100ppb
Misc : WATER ICAL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 05 09:35:47 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.086	168	385618	50.00	ug/L		0.00
43) 1,4-Difluorobenzene	6.245	114	559067	50.00	ug/L		0.00
71) d5-Chlorobenzene	9.622	117	522900	50.00	ug/L		0.00
91) 1,4-Dichlorobenzene-d4	11.683	152	309065	50.00	ug/L		0.00
System Monitoring Compounds							
45) surr4,Dibrflmethane	4.922	113	385141	104.17	ug/L		0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 208.34%#				
48) surr1,1,2-dichloroetha...	5.501	65	435884	102.89	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 205.78%#				
65) SURR3,Toluene-d8	8.104	98	1393360	103.61	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 207.22%#				
70) SURR2,BFB	10.707	95	545343	106.43	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 212.86%#				
Target Compounds							Qvalue
2) Chlorodifluoromethane	1.099	51	343551	96.943	ug/L		95
3) Dichlorodifluoromethane	1.093	85	443732m	110.962	ug/L		
4) Chloromethane	1.227	50	316056	103.291	ug/L		98
5) Vinyl Chloride	1.282	62	405186	97.253	ug/L		98
6) Bromomethane	1.489	94	312840	111.778	ug/L		99
7) Chloroethane	1.563	64	288324	102.505	ug/L		99
8) Freon 21	1.709	67	559491	98.446	ug/L		99
9) Trichlorofluoromethane	1.746	101	539509	100.741	ug/L		97
10) Diethyl Ether	1.971	59	250268	99.391	ug/L		92
11) Freon 123a	1.971	67	315025	93.202	ug/L		80
12) Freon 123	2.026	83	418380	101.168	ug/L		95
13) Acrolein	2.063	56	277828	482.171	ug/L		99
14) 1,1-Diclethene	2.142	96	281808	96.359	ug/L	#	82
15) Freon 113	2.148	101	317740	99.696	ug/L		88
16) Acetone	2.197	43	163572	91.428	ug/L		96
17) 2-Propanol	2.331	45	536494	1826.413	ug/L		98
18) Iodomethane	2.264	142	502645	112.182	ug/L		94
19) Carbon Disulfide	2.319	76	869116	100.055	ug/L		99
20) Acetonitrile	2.447	41	302938m	225.868	ug/L		
21) Allyl Chloride	2.453	76	171803	103.679	ug/L	#	70
22) Methyl Acetate	2.483	43	377150	93.141	ug/L		94
23) Methylene Chloride	2.562	84	297762	91.292	ug/L		89
24) TBA	2.709	59	927879	1801.886	ug/L		96
25) Acrylonitrile	2.812	53	708297	468.374	ug/L		99
26) Methyl-t-Butyl Ether	2.849	73	976712	94.041	ug/L		96
27) trans-1,2-Dichloroethene	2.837	96	312187	94.134	ug/L	#	83
28) 1,1-Diclethane	3.306	63	522342	99.188	ug/L		98
29) Vinyl Acetate	3.392	86	46673	95.683	ug/L	#	23
30) DIPE	3.422	45	934663	98.171	ug/L		96
31) 2-Chloro-1,3-Butadiene	3.416	53	505105	100.629	ug/L		81
32) ETBE	3.922	59	942488	95.371	ug/L		95
33) 2,2-Dichloropropane	4.087	77	507542	85.410	ug/L		97
34) cis-1,2-Dichloroethene	4.093	96	345118	95.552	ug/L	#	78
35) 2-Butanone	4.154	43	199004	94.140	ug/L		96
36) Propionitrile	4.239	54	282883	448.140	ug/L		99
37) Bromochloromethane	4.465	130	232409	105.641	ug/L	#	82
38) Methacrylonitrile	4.483	67	156707	93.505	ug/L	#	81
39) Tetrahydrofuran	4.568	42	113403	88.578	ug/L		87
40) Chloroform	4.635	83	555463	97.346	ug/L		96

1st 08/05/23
2nd 08/07/23

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Operator : K.Ruest
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Misc : WATER ICAL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 05 09:35:47 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) 1,1,1-Trichloroethane	4.922	97	535818	99.925	ug/L		97
42) TAME	5.842	73	925026	95.886	ug/L		94
44) Cyclohexane	5.007	41	288889	101.618	ug/L		98
46) Carbontetrachloride	5.221	117	485146	104.478	ug/L		97
47) 1,1-Dichloropropene	5.239	75	413859	97.416	ug/L		94
49) Benzene	5.580	78	1176055	96.865	ug/L		94
50) 1,2-Dichloroethane	5.629	62	442617	93.200	ug/L		95
51) Iso-Butyl Alcohol	5.647	43	373293	1857.564	ug/L		99
52) n-Heptane	6.098	43	416721	95.623	ug/L		90
53) 1-Butanol	6.659	56	602054	4921.763	ug/L		93
54) Trichloroethene	6.574	130	364410	96.808	ug/L		92
55) Methylcyclohexane	6.812	55	403570	103.904	ug/L		82
56) 1,2-Diclpropane	6.873	63	298971	94.911	ug/L		98
57) Dibromomethane	7.013	93	217179	93.881	ug/L	#	73
58) 1,4-Dioxane	7.098	88	108017	1861.288	ug/L		78
59) Methyl Methacrylate	7.117	69	264311	92.384	ug/L		86
60) Bromodichloromethane	7.251	83	460532	94.788	ug/L		98
61) 2-Nitropropane	7.555	41	227278	184.132	ug/L		99
62) 2-Chloroethylvinyl Ether	7.677	63	197192	97.698	ug/L		91
63) cis-1,3-Dichloropropene	7.805	75	518022	95.538	ug/L		95
64) 4-Methyl-2-pentanone	8.031	43	375458	93.388	ug/L		94
66) Toluene	8.177	91	1365956	98.806	ug/L		98
67) trans-1,3-Dichloropropene	8.464	75	497610	99.205	ug/L		96
68) Ethyl Methacrylate	8.610	69	483607	85.566	ug/L		91
69) 1,1,2-Trichloroethane	8.653	97	310329	93.792	ug/L		97
72) Tetrachloroethene	8.775	164	300475	94.672	ug/L		93
73) 2-Hexanone	8.958	43	284619	91.145	ug/L		93
74) 1,3-Dichloropropane	8.824	76	507852	90.431	ug/L		90
75) Dibromochloromethane	9.049	129	406013	86.847	ug/L		99
76) N-Butyl Acetate	9.116	43	571210	91.906	ug/L		95
77) 1,2-Dibromoethane	9.147	107	342344	91.889	ug/L		98
78) 3-Chlorobenzotrifluoride	9.677	180	569052	98.696	ug/L		96
79) Chlorobenzene	9.647	112	927419	95.062	ug/L		94
80) 4-Chlorobenzotrifluoride	9.732	180	508580	98.009	ug/L		98
81) 1,1,1,2-Tetrachloroethane	9.738	131	366955	94.261	ug/L		97
82) Ethylbenzene	9.768	106	486111	95.685	ug/L	#	86
83) (m+p)Xylene	9.884	106	1228994	193.652	ug/L		90
84) o-Xylene	10.244	106	591813	94.941	ug/L		91
85) Styrene	10.262	104	1046047	99.004	ug/L		91
86) Bromoform	10.409	173	315510	99.843	ug/L		100
87) 2-Chlorobenzotrifluoride	10.500	180	562049	99.764	ug/L		90
88) Isopropylbenzene	10.585	105	1478810	96.354	ug/L		99
89) Cyclohexanone	10.652	55	1402197	1807.988	ug/L		95
90) trans-1,4-Dichloro-2-B...	10.902	53	145489	96.275	ug/L		84
92) 1,1,2,2-Tetrachloroethane	10.854	83	454521	82.863	ug/L		97
93) Bromobenzene	10.823	156	455005	87.539	ug/L	#	82
94) 1,2,3-Trichloropropane	10.878	110	152051	80.117	ug/L	#	85
95) n-Propylbenzene	10.939	91	1799655	87.765	ug/L		96
96) 2-Chlorotoluene	11.000	91	1076801	86.691	ug/L		95
97) 3-Chlorotoluene	11.055	91	1089247	85.648	ug/L		93
98) 4-Chlorotoluene	11.098	91	1326902	87.674	ug/L		94
99) 1,3,5-Trimethylbenzene	11.098	105	1391119	87.962	ug/L		95
100) tert-Butylbenzene	11.366	119	1166575	86.761	ug/L		99
101) 1,2,4-Trimethylbenzene	11.408	105	1350965	88.691	ug/L		96
102) 3,4-Dichlorobenzotrifl...	11.475	214	472940	92.355	ug/L		96
103) sec-Butylbenzene	11.549	105	1660601	86.369	ug/L		98

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ALS Vial : 7 Sample Multiplier: 1

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Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
104) p-Isopropyltoluene	11.677	119	1506480	89.234	ug/L		94
105) 1,3-Dclbenz	11.628	146	819544	86.961	ug/L		97
106) 1,4-Dclbenz	11.701	146	848880	88.008	ug/L		97
107) 2,4-Dichlorobenzotrifl...	11.762	214	418855	91.344	ug/L		98
108) 2,5-Dichlorobenzotrifl...	11.805	214	464837	91.503	ug/L		97
109) n-Butylbenzene	12.006	91	1344356	92.672	ug/L		96
110) 1,2-Dclbenz	12.006	146	810125	87.769	ug/L		96
111) 1,2-Dibromo-3-chloropr...	12.634	157	134656	88.904	ug/L	#	85
112) Trielution Dichlorotol...	12.750	125	2111685	267.866	ug/L		93
113) 1,3,5-Trichlorobenzene	12.798	180	618016	89.222	ug/L		97
114) Coelution Dichlorotoluene	13.079	125	1509595	181.169	ug/L		94
115) 1,2,4-Tcbenzene	13.286	180	628991	90.050	ug/L		98
116) Hexachlorobt	13.426	225	281843	86.555	ug/L		95
117) Naphthalen	13.475	128	1564978	90.342	ug/L		98
118) 1,2,3-Tclbenzene	13.664	180	607044	89.697	ug/L		97
119) 2,4,5-Trichlorotoluene	14.249	159	404303	91.690	ug/L		99
120) 2,3,6-Trichlorotoluene	14.335	159	368427	89.432	ug/L		98

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

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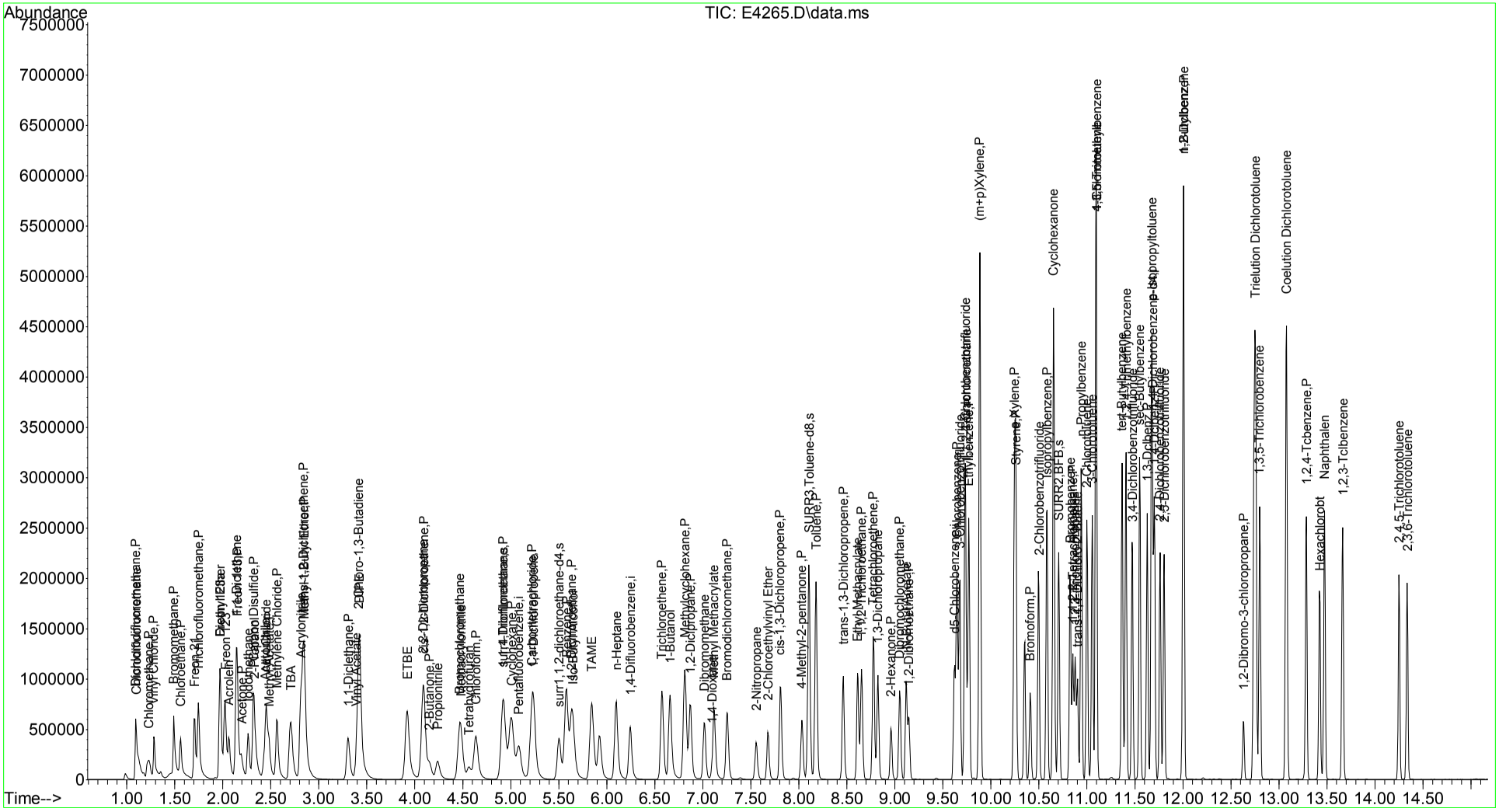
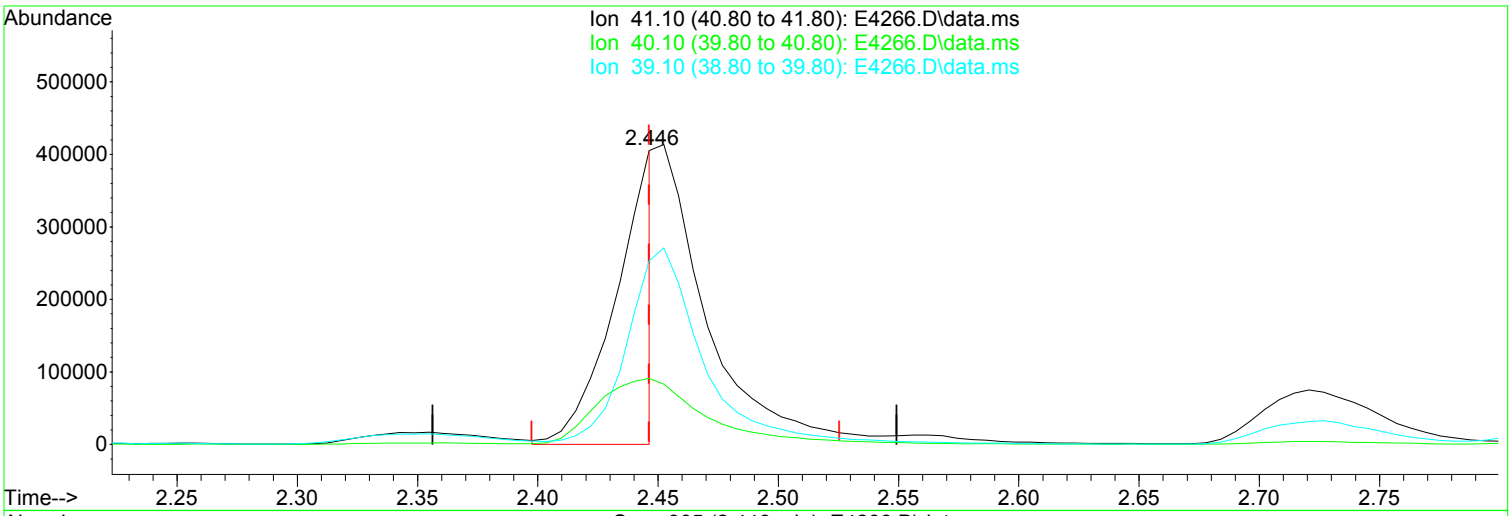


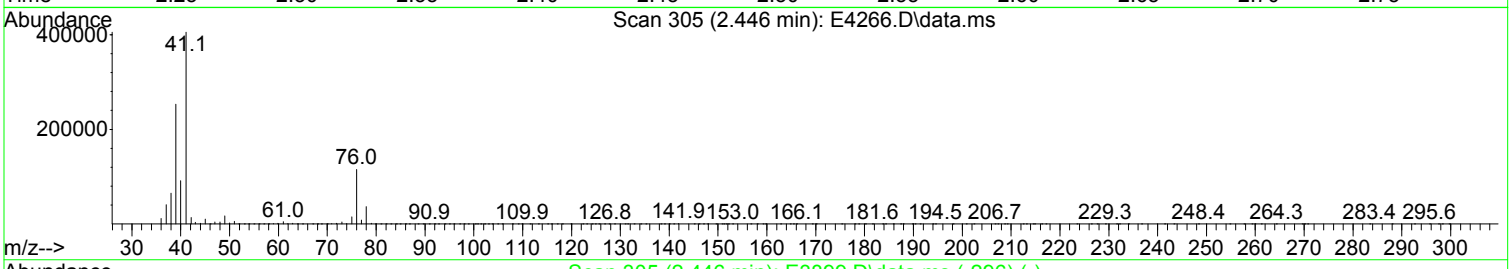
1st 08/05/23
2nd 08/07/23

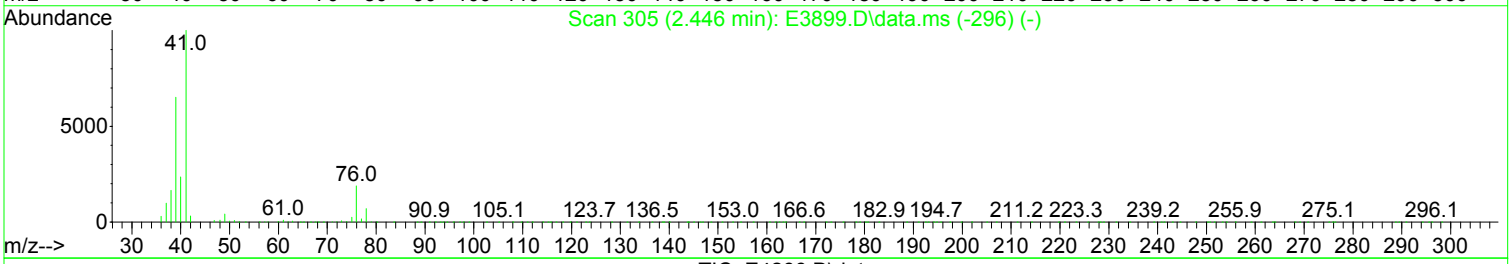
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4266.D
Acq On : 04 Aug 2023 07:05 pm
Operator : K.Ruest
Sample : 150ppb
Misc : WATER ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 05 09:35:51 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration







TIC: E4266.D\data.ms

(20) Acetonitrile

2.446min (-0.000) 336.98 ug/L m

response 459379

Ion	Exp%	Act%
41.10	100.00	100.00
40.10	23.60	22.47
39.10	65.30	62.41
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

08/05/23

Quantitation Report (Qedit)

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ALS Vial : 8 Sample Multiplier: 1

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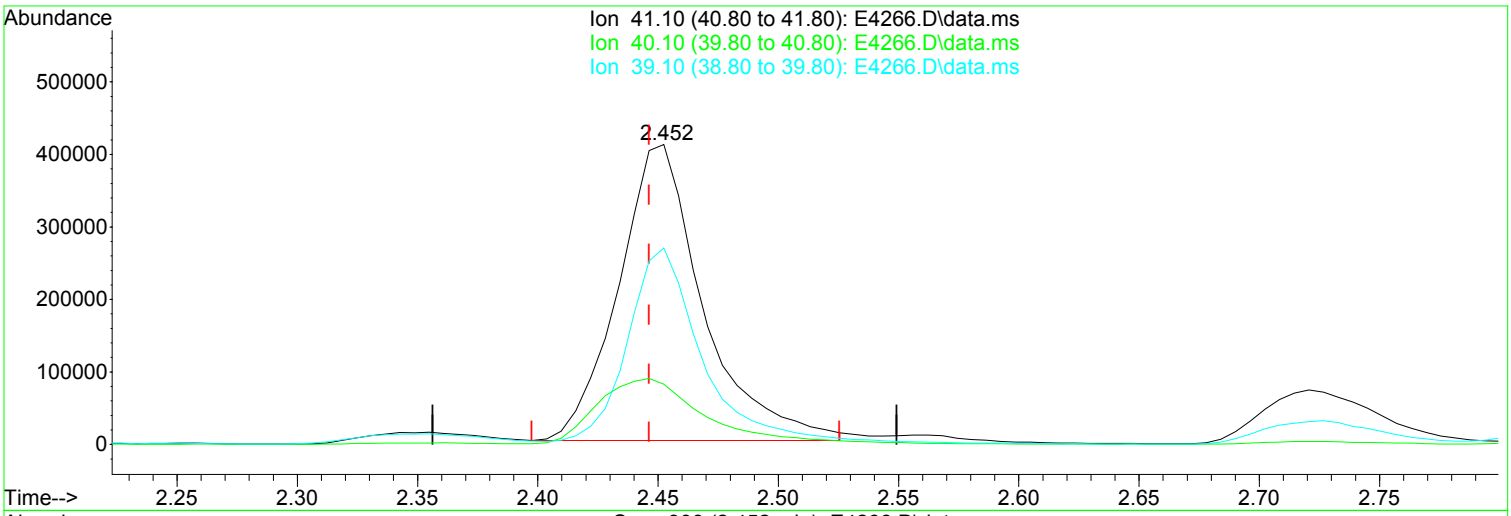

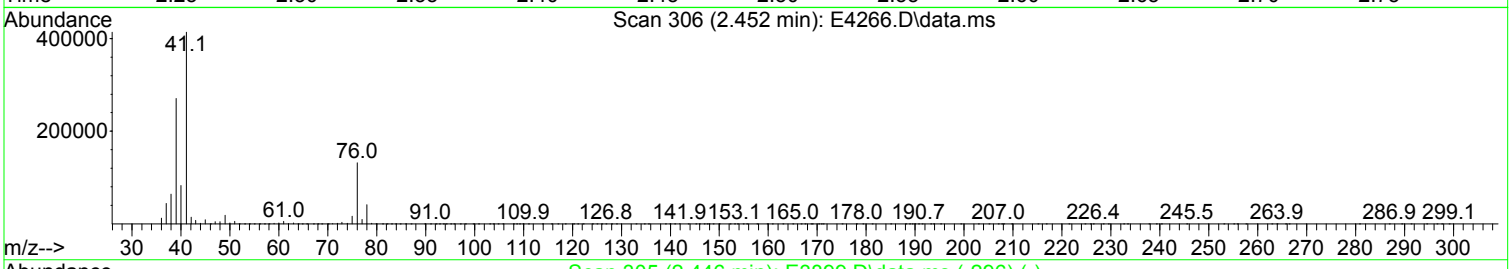

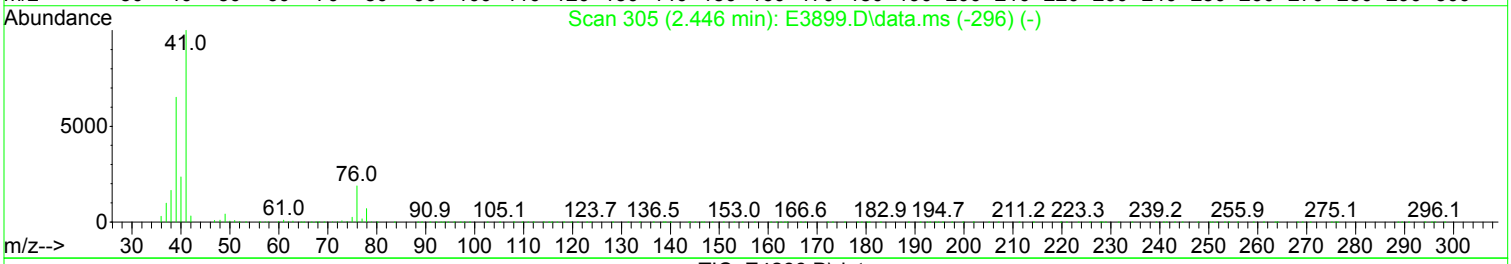

TIC: E4266.D\data.ms

(20) Acetonitrile

2.452min (+ 0.006) 734.88 ug/L

response 1001798

Ion	Exp%	Act%
41.10	100.00	100.00
40.10	23.60	20.12
39.10	65.30	65.51
0.00	0.00	0.00

Manual Integration:

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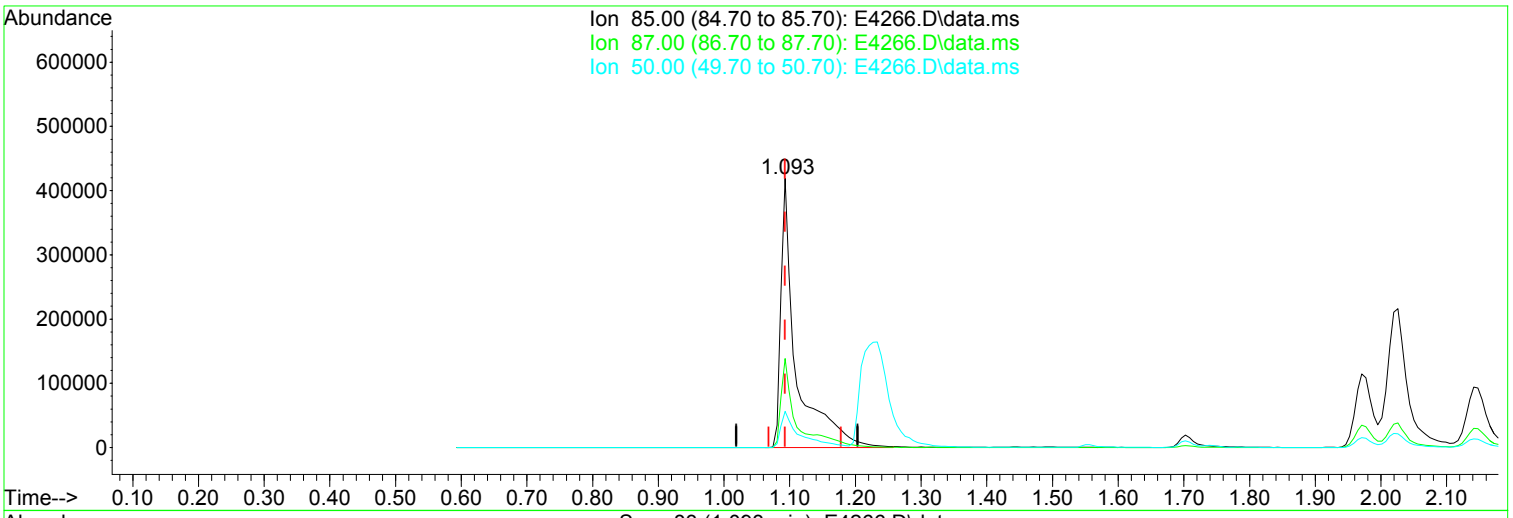

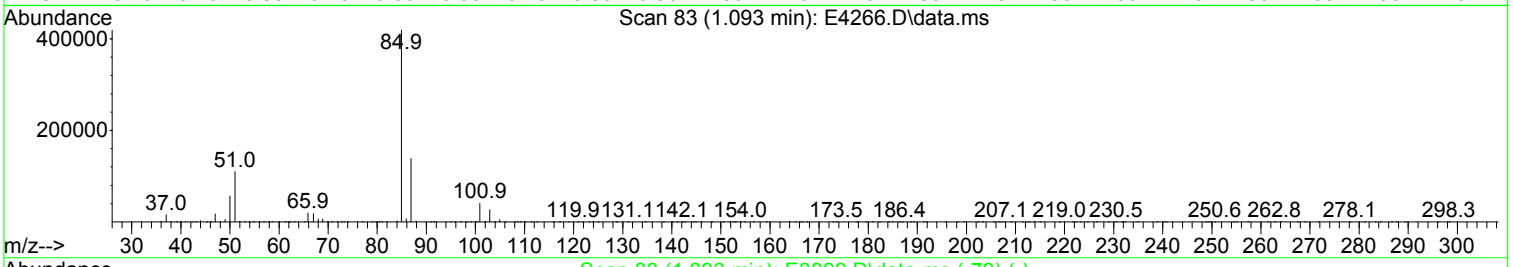

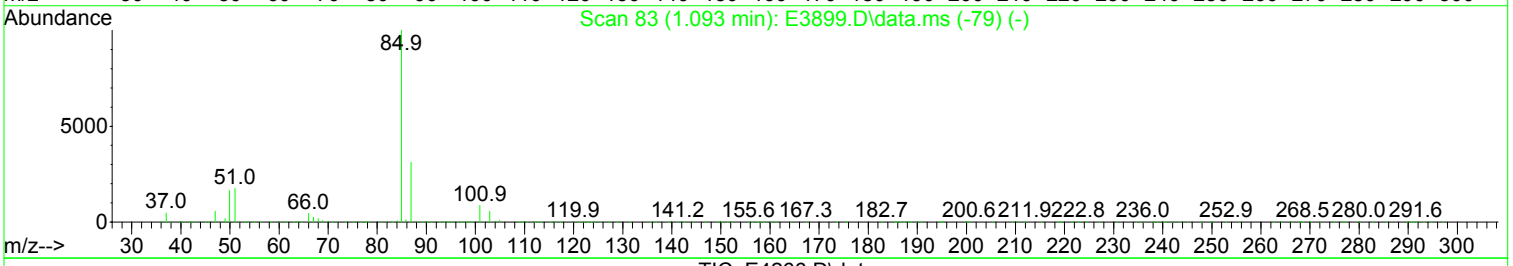

TIC: E4266.D\data.ms

(3) Dichlorodifluoromethane (P)

1.093min (-0.000) 168.12 ug/L m

response 683353

Ion	Exp%	Act%
85.00	100.00	100.00
87.00	31.30	33.11
50.00	16.40	13.47
0.00	0.00	0.00

Manual Integration:

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Poor integration.

08/05/23

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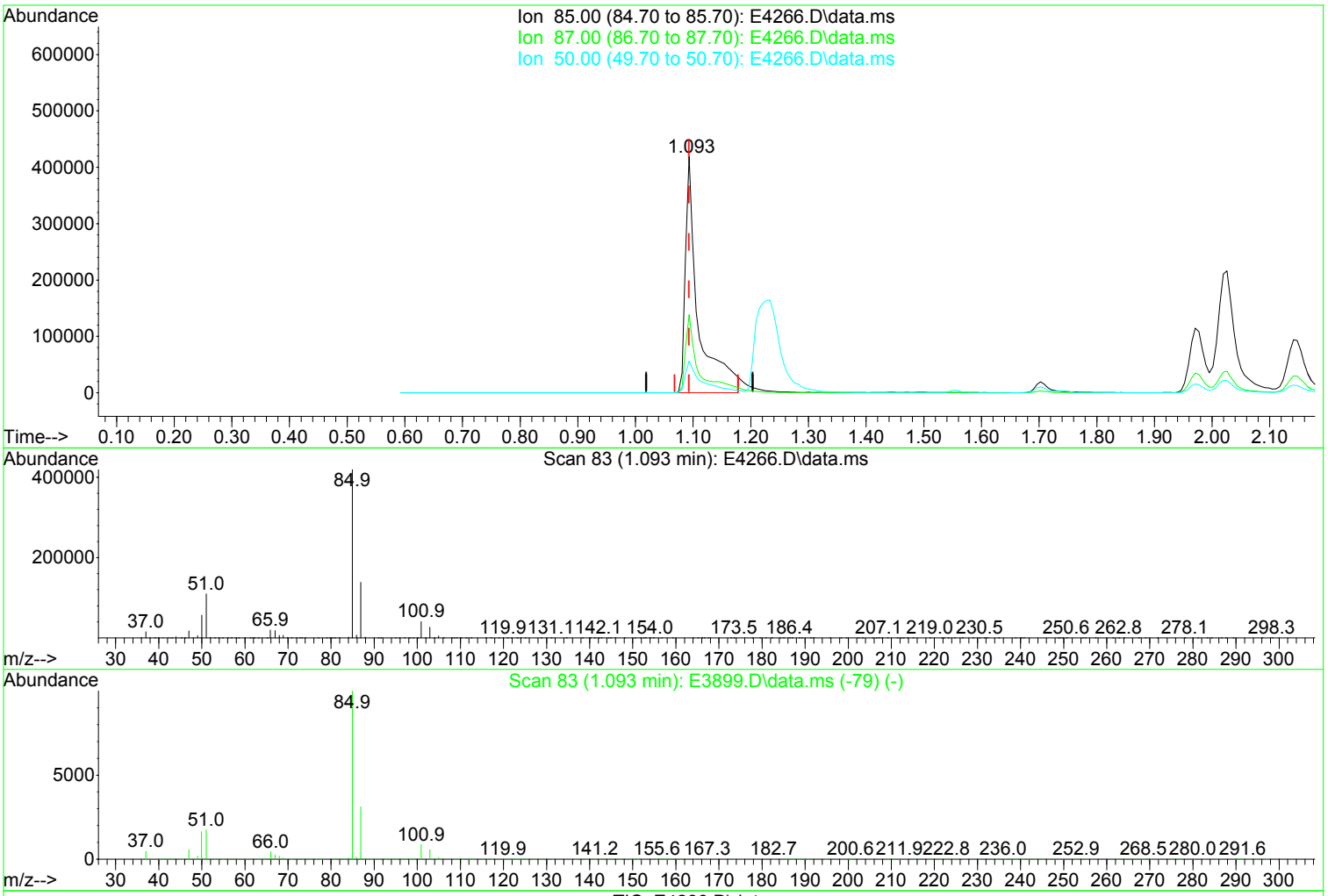

TIC: E4266.D\data.ms

(3) Dichlorodifluoromethane (P)

1.093min (-0.000) 160.05 ug/L

response 650515

Ion	Exp%	Act%
85.00	100.00	100.00
87.00	31.30	33.11
50.00	16.40	13.47
0.00	0.00	0.00

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.086	168	391944	50.00	ug/L		0.00
43) 1,4-Difluorobenzene	6.244	114	569369	50.00	ug/L		0.00
71) d5-Chlorobenzene	9.622	117	537597	50.00	ug/L		0.00
91) 1,4-Dichlorobenzene-d4	11.682	152	317818	50.00	ug/L		0.00
System Monitoring Compounds							
45) surr4,Dibrflmethane	4.921	113	739160	196.31	ug/L		0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 392.62%#				
48) surr1,1,2-dichloroetha...	5.501	65	833628	193.22	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 386.44%#				
65) SURR3,Toluene-d8	8.104	98	2723192	198.82	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 397.64%#				
70) SURR2,BFB	10.707	95	1084789	207.87	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 415.74%#				
Target Compounds							Qvalue
2) Chlorodifluoromethane	1.099	51	539722	149.840	ug/L		96
3) Dichlorodifluoromethane	1.093	85	683353m	168.124	ug/L		
4) Chloromethane	1.233	50	483782	155.554	ug/L		99
5) Vinyl Chloride	1.282	62	602221	142.212	ug/L		98
6) Bromomethane	1.489	94	452356	159.019	ug/L		99
7) Chloroethane	1.550	64	529199	185.105	ug/L		99
8) Freon 21	1.703	67	917280	158.796	ug/L		99
9) Trichlorofluoromethane	1.739	101	851930	156.511	ug/L		99
10) Diethyl Ether	1.971	59	387100	151.251	ug/L		93
11) Freon 123a	1.971	67	493899	143.764	ug/L		78
12) Freon 123	2.026	83	664668	158.129	ug/L		95
13) Acrolein	2.068	56	416641	711.410	ug/L		99
14) 1,1-Diclethene	2.141	96	440173	148.079	ug/L	#	81
15) Freon 113	2.148	101	492137	151.924	ug/L		87
16) Acetone	2.196	43	238382	131.093	ug/L		97
17) 2-Propanol	2.355	45	826995	2769.940	ug/L		98
18) Iodomethane	2.263	142	728247	159.909	ug/L		92
19) Carbon Disulfide	2.318	76	1291104	146.237	ug/L		99
20) Acetonitrile	2.446	41	459379m	336.981	ug/L		
21) Allyl Chloride	2.452	76	267370	158.747	ug/L	#	72
22) Methyl Acetate	2.483	43	577175	140.238	ug/L		93
23) Methylene Chloride	2.562	84	462640	139.553	ug/L		89
24) TBA	2.721	59	1378489	2633.738	ug/L		97
25) Acrylonitrile	2.812	53	1088916	708.443	ug/L		99
26) Methyl-t-Butyl Ether	2.849	73	1513603	143.383	ug/L		96
27) trans-1,2-Dichloroethene	2.836	96	487076	144.498	ug/L	#	82
28) 1,1-Diclethane	3.306	63	805986	150.579	ug/L		98
29) Vinyl Acetate	3.397	86	70151	141.493	ug/L	#	44
30) DIPE	3.428	45	1454611	150.317	ug/L		91
31) 2-Chloro-1,3-Butadiene	3.416	53	763998	149.750	ug/L		81
32) ETBE	3.922	59	1445530	143.913	ug/L		95
33) 2,2-Dichloropropane	4.080	77	778868	128.953	ug/L		97
34) cis-1,2-Dichloroethene	4.092	96	532926	145.168	ug/L	#	79
35) 2-Butanone	4.159	43	289693	134.830	ug/L		92
36) Propionitrile	4.245	54	428494	667.859	ug/L		99
37) Bromochloromethane	4.464	130	362229	161.992	ug/L	#	84
38) Methacrylonitrile	4.489	67	236724	138.970	ug/L	#	79
39) Tetrahydrofuran	4.568	42	168528	129.511	ug/L		89
40) Chloroform	4.635	83	851570	146.831	ug/L		97

1st 08/05/23
2nd 08/07/23

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4266.D
Acq On : 04 Aug 2023 07:05 pm
Operator : K.Ruest
Sample : 150ppb
Misc : WATER ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 05 09:35:51 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) 1,1,1-Trichloroethane	4.921	97	822960	150.997	ug/L		97
42) TAME	5.842	73	1420739	144.893	ug/L		94
44) Cyclohexane	5.001	41	450200	155.495	ug/L		99
46) Carbontetrachloride	5.214	117	748629	158.302	ug/L		99
47) 1,1-Dichloropropene	5.232	75	632145	146.105	ug/L		95
49) Benzene	5.580	78	1796784	145.313	ug/L		94
50) 1,2-Dichloroethane	5.629	62	675906	139.748	ug/L		96
51) Iso-Butyl Alcohol	5.665	43	549497	2684.908	ug/L		95
52) n-Heptane	6.098	43	637936	143.735	ug/L		90
53) 1-Butanol	6.671	56	905669	7269.839	ug/L		92
54) Trichloroethene	6.574	130	560160	146.117	ug/L		92
55) Methylcyclohexane	6.811	55	632708	159.952	ug/L		86
56) 1,2-Diclpropane	6.866	63	460320	143.489	ug/L		98
57) Dibromomethane	7.013	93	333223	141.438	ug/L	#	73
58) 1,4-Dioxane	7.104	88	162971	2757.413	ug/L	#	76
59) Methyl Methacrylate	7.122	69	400740	137.536	ug/L	#	82
60) Bromodichloromethane	7.250	83	709285	143.345	ug/L		98
61) 2-Nitropropane	7.555	41	349464	277.999	ug/L		98
62) 2-Chloroethylvinyl Ether	7.677	63	290355	141.253	ug/L		91
63) cis-1,3-Dichloropropene	7.811	75	796757	144.285	ug/L		93
64) 4-Methyl-2-pentanone	8.037	43	552613	134.965	ug/L		94
66) Toluene	8.177	91	2123587	150.830	ug/L		99
67) trans-1,3-Dichloropropene	8.463	75	768800	150.497	ug/L		96
68) Ethyl Methacrylate	8.616	69	745278	129.478	ug/L		89
69) 1,1,2-Trichloroethane	8.652	97	481011	142.748	ug/L		94
72) Tetrachloroethene	8.774	164	463177	141.946	ug/L		93
73) 2-Hexanone	8.963	43	414203	129.016	ug/L		91
74) 1,3-Dichloropropane	8.823	76	782305	135.493	ug/L		90
75) Dibromochloromethane	9.049	129	622166	129.444	ug/L		100
76) N-Butyl Acetate	9.116	43	873968	136.775	ug/L		95
77) 1,2-Dibromoethane	9.146	107	524009	136.805	ug/L		98
78) 3-Chlorobenzotrifluoride	9.677	180	875405	147.678	ug/L		97
79) Chlorobenzene	9.646	112	1435051	143.074	ug/L		95
80) 4-Chlorobenzotrifluoride	9.732	180	776718	145.591	ug/L		97
81) 1,1,1,2-Tetrachloroethane	9.738	131	574842	143.624	ug/L		98
82) Ethylbenzene	9.774	106	743218	142.293	ug/L	#	81
83) (m+p)Xylene	9.884	106	1899394	291.105	ug/L		91
84) o-Xylene	10.244	106	918541	143.328	ug/L		94
85) Styrene	10.262	104	1622967	149.408	ug/L		93
86) Bromoform	10.408	173	494931	152.339	ug/L		100
87) 2-Chlorobenzotrifluoride	10.500	180	856980	147.956	ug/L		92
88) Isopropylbenzene	10.585	105	2250162	142.604	ug/L		98
89) Cyclohexanone	10.658	55	2068380	2594.052	ug/L		95
90) trans-1,4-Dichloro-2-B...	10.902	53	218744	140.793	ug/L		87
92) 1,1,2,2-Tetrachloroethane	10.853	83	692315	122.739	ug/L		95
93) Bromobenzene	10.829	156	706642	132.207	ug/L	#	72
94) 1,2,3-Trichloropropane	10.878	110	232551	119.158	ug/L	#	86
95) n-Propylbenzene	10.945	91	2698785	127.989	ug/L		94
96) 2-Chlorotoluene	11.000	91	1646752	128.925	ug/L		96
97) 3-Chlorotoluene	11.055	91	1716683	131.266	ug/L		93
98) 4-Chlorotoluene	11.097	91	1960280	125.957	ug/L		95
99) 1,3,5-Trimethylbenzene	11.097	105	2081181	127.972	ug/L		94
100) tert-Butylbenzene	11.365	119	1765817	127.711	ug/L		99
101) 1,2,4-Trimethylbenzene	11.408	105	2055351	131.218	ug/L		97
102) 3,4-Dichlorobenzotrifl...	11.475	214	702341	133.374	ug/L		98
103) sec-Butylbenzene	11.548	105	2492305	126.056	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4266.D
Acq On : 04 Aug 2023 07:05 pm
Operator : K.Ruest
Sample : 150ppb
Misc : WATER ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 05 09:35:51 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
104) p-Isopropyltoluene	11.676	119	2235649	128.778	ug/L		94
105) 1,3-Dclbenz	11.628	146	1253192	129.313	ug/L		98
106) 1,4-Dclbenz	11.701	146	1284066	129.460	ug/L		97
107) 2,4-Dichlorobenzotrifl...	11.762	214	635277	134.726	ug/L		99
108) 2,5-Dichlorobenzotrifl...	11.804	214	677394	129.672	ug/L		97
109) n-Butylbenzene	12.006	91	2007471	134.572	ug/L		95
110) 1,2-Dclbenz	12.006	146	1237033	130.330	ug/L		97
111) 1,2-Dibromo-3-chloropr...	12.633	157	203286	130.518	ug/L	#	87
112) Trielution Dichlorotol...	12.749	125	3122309	385.155	ug/L		93
113) 1,3,5-Trichlorobenzene	12.804	180	916120	128.616	ug/L		94
114) Coelution Dichlorotoluene	13.079	125	2236799	261.049	ug/L		94
115) 1,2,4-Tcbenzene	13.286	180	939782	130.839	ug/L		98
116) Hexachlorobt	13.426	225	384165	114.729	ug/L		99
117) Naphthalen	13.475	128	2349465	131.894	ug/L		99
118) 1,2,3-Tclbenzene	13.664	180	917543	131.843	ug/L		99
119) 2,4,5-Trichlorotoluene	14.249	159	552749	121.903	ug/L		99
120) 2,3,6-Trichlorotoluene	14.334	159	506513	119.564	ug/L		99

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

Quantitation Report (QT Reviewed)

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Acq On : 04 Aug 2023 07:05 pm
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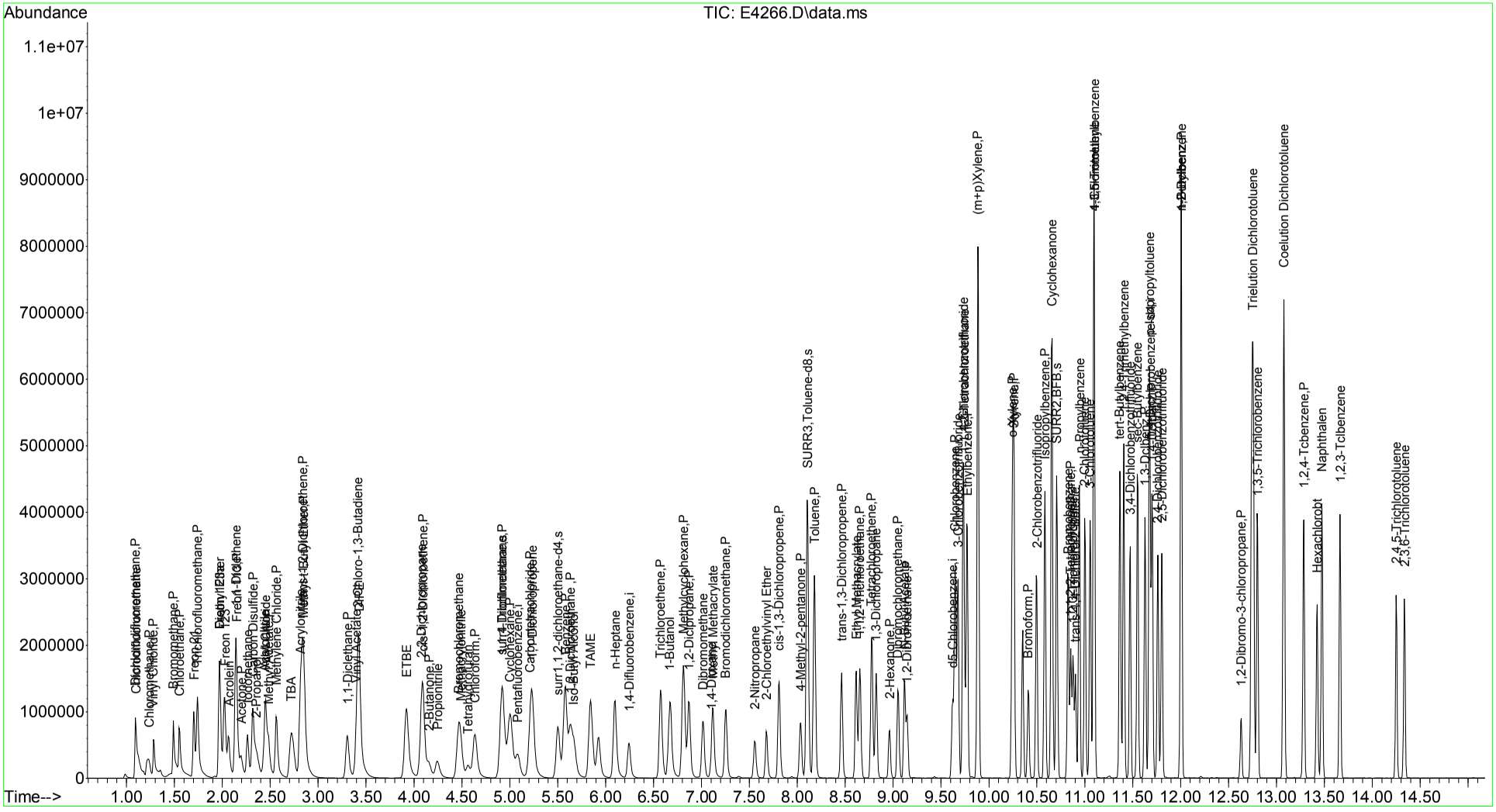
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration

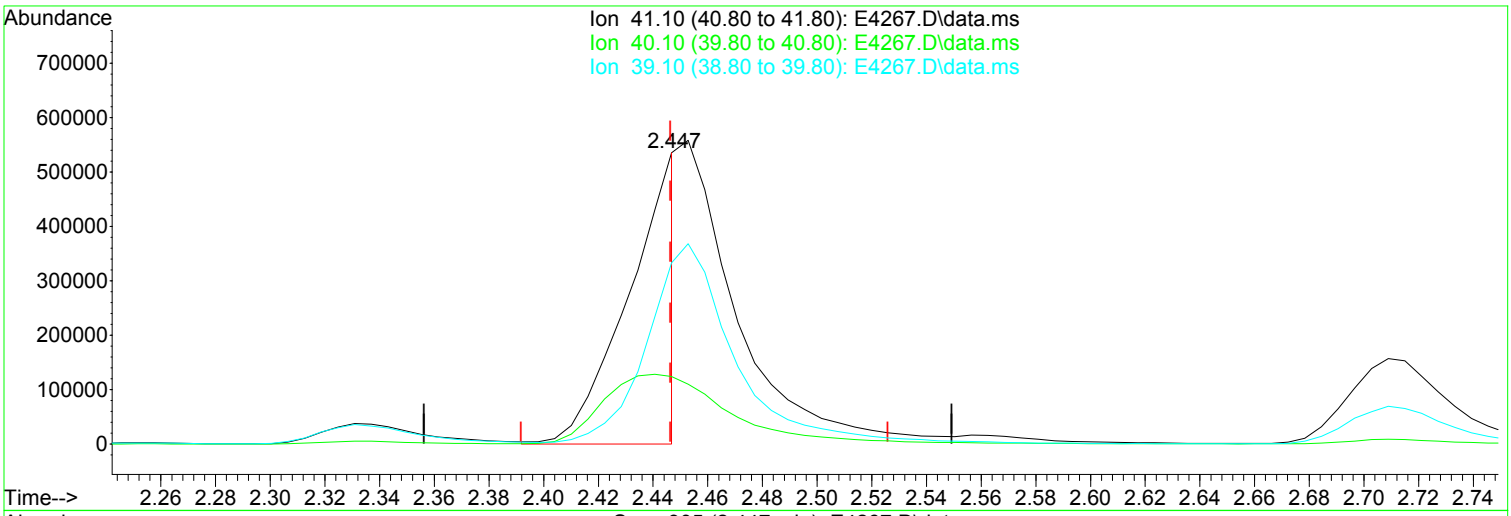


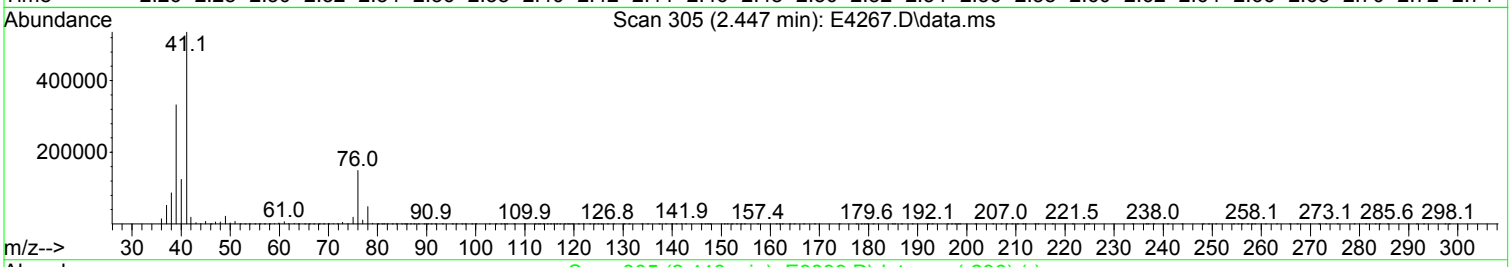
1st 08/05/23
2nd 08/07/23

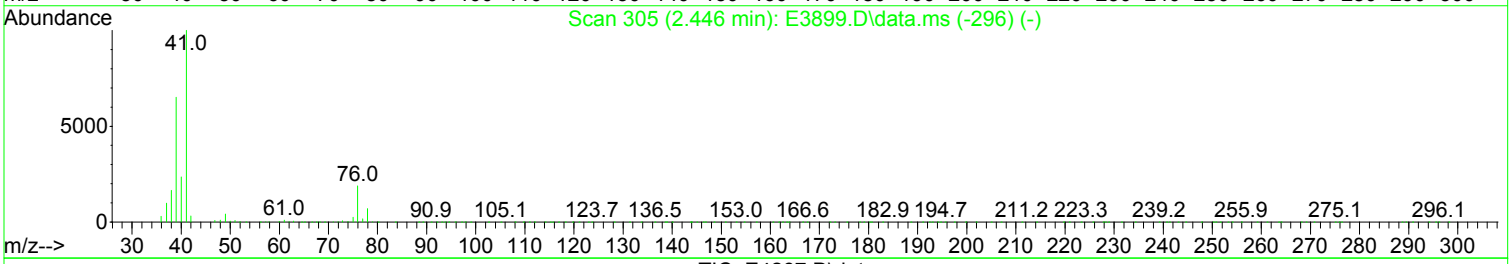
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4267.D
Acq On : 04 Aug 2023 07:28 pm
Operator : K.Ruest
Sample : 200ppb
Misc : WATER ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 05 09:35:55 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration







TIC: E4267.D\data.ms

(20) Acetonitrile

2.447min (+ 0.000) 472.97 ug/L m

response 664626

Ion	Exp%	Act%
41.10	100.00	100.00
40.10	23.60	23.26
39.10	65.30	62.19
0.00	0.00	0.00

Manual Integration:

After

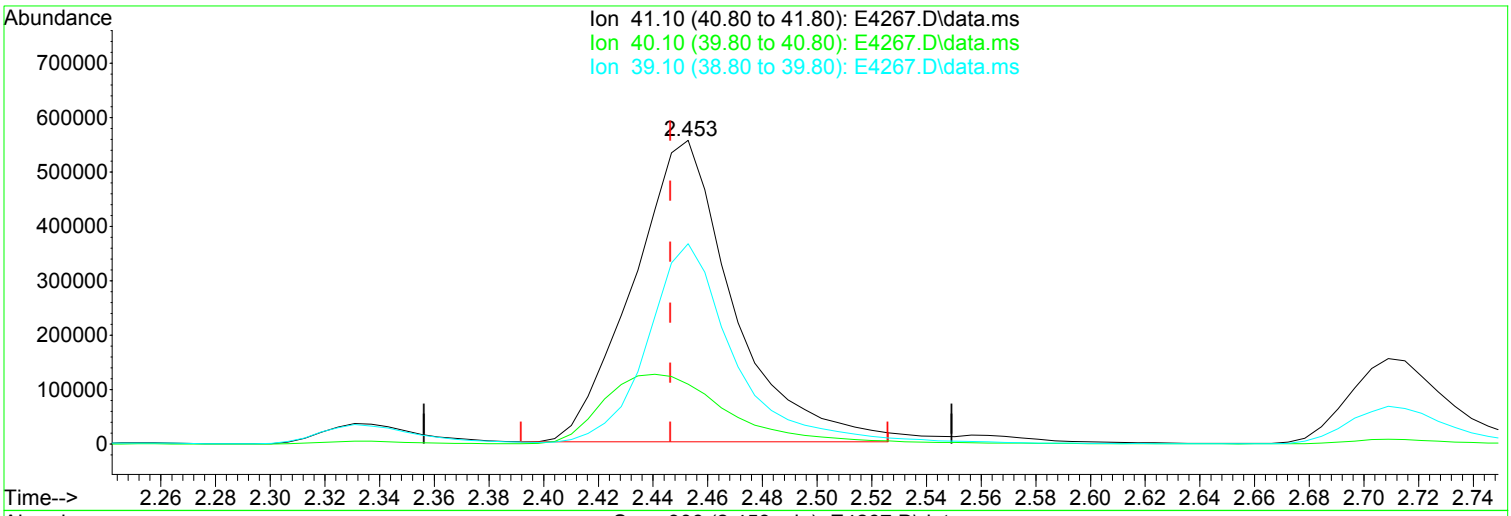
Poor integration.

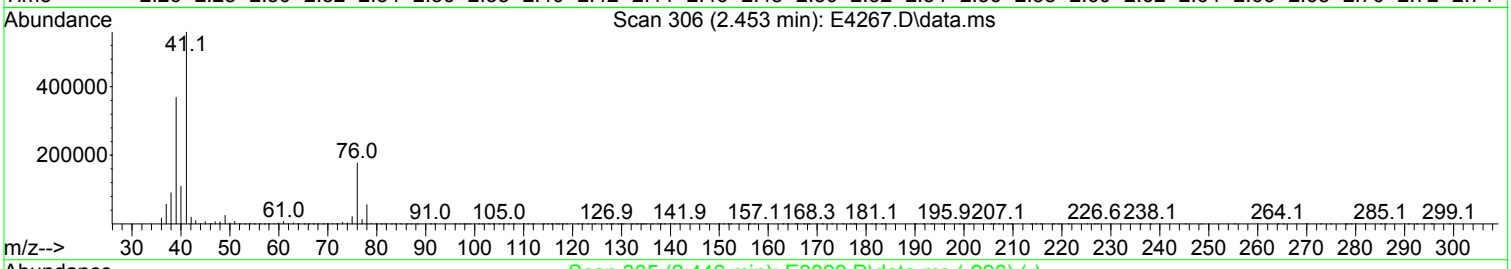
08/05/23

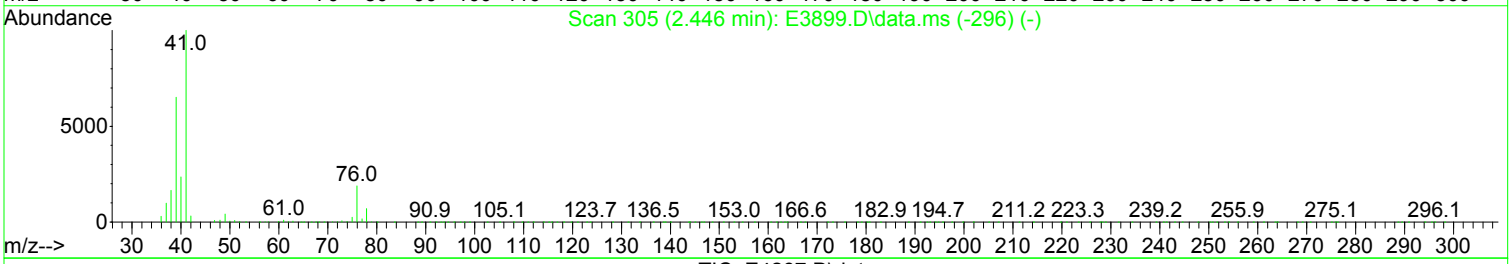
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4267.D
Acq On : 04 Aug 2023 07:28 pm
Operator : K.Ruest
Sample : 200ppb
Misc : WATER ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 05 09:35:55 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration







TIC: E4267.D\data.ms

(20) Acetonitrile

2.453min (+ 0.006) 1008.28 ug/L

response 1416851

Ion	Exp%	Act%
41.10	100.00	100.00
40.10	23.60	19.73
39.10	65.30	65.96
0.00	0.00	0.00

Manual Integration:

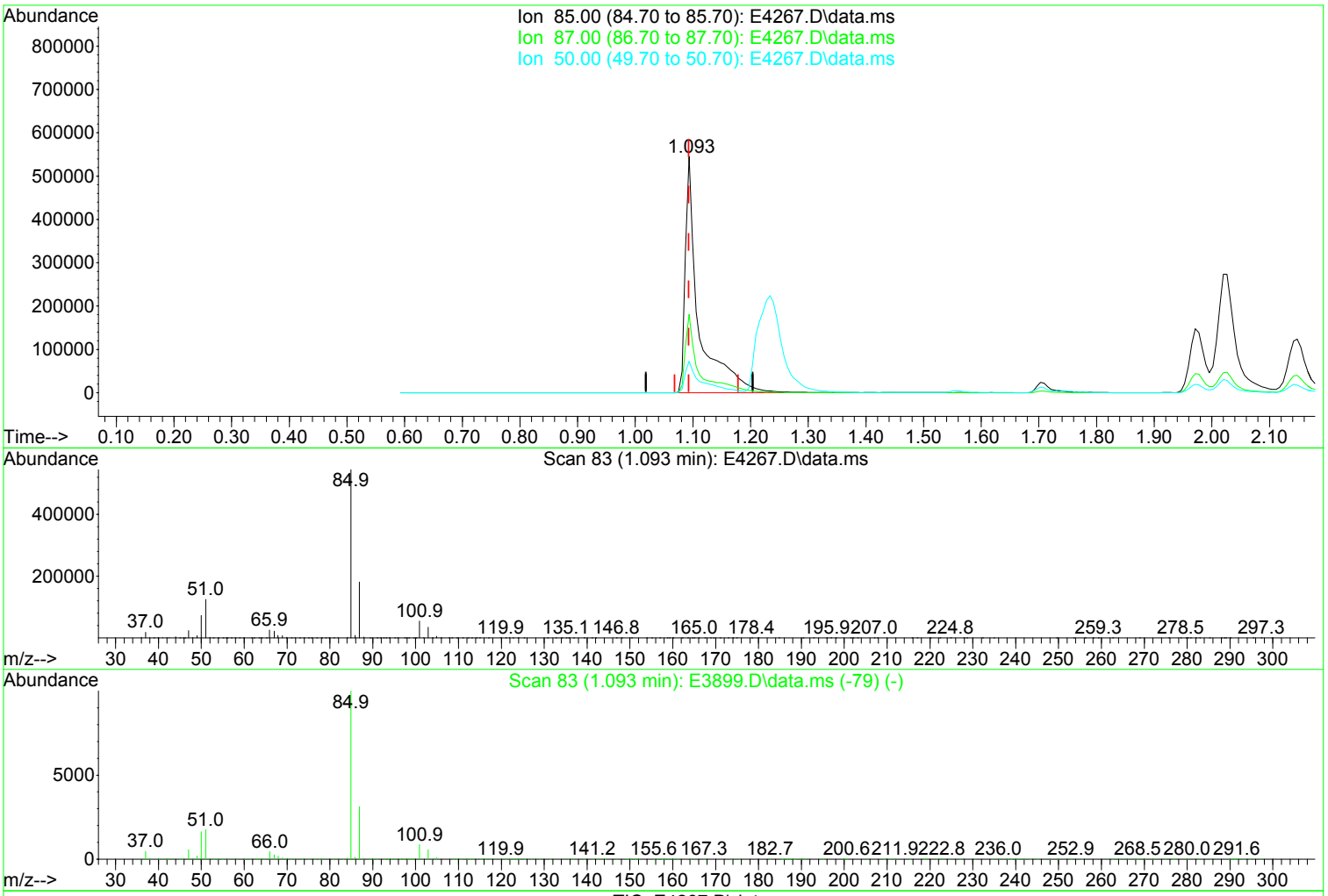
Before

08/05/23

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4267.D
Acq On : 04 Aug 2023 07:28 pm
Operator : K.Ruest
Sample : 200ppb
Misc : WATER ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 05 09:35:55 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration



TIC: E4267.D\data.ms

(3) Dichlorodifluoromethane (P)

1.093min (+ 0.000) 213.77 ug/L m

response 895660

Ion	Exp%	Act%
85.00	100.00	100.00
87.00	31.30	33.21
50.00	16.40	13.34
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

08/05/23

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4267.D
Acq On : 04 Aug 2023 07:28 pm
Operator : K.Ruest
Sample : 200ppb
Misc : WATER ICAL
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Quant Time: Aug 05 09:35:55 2023
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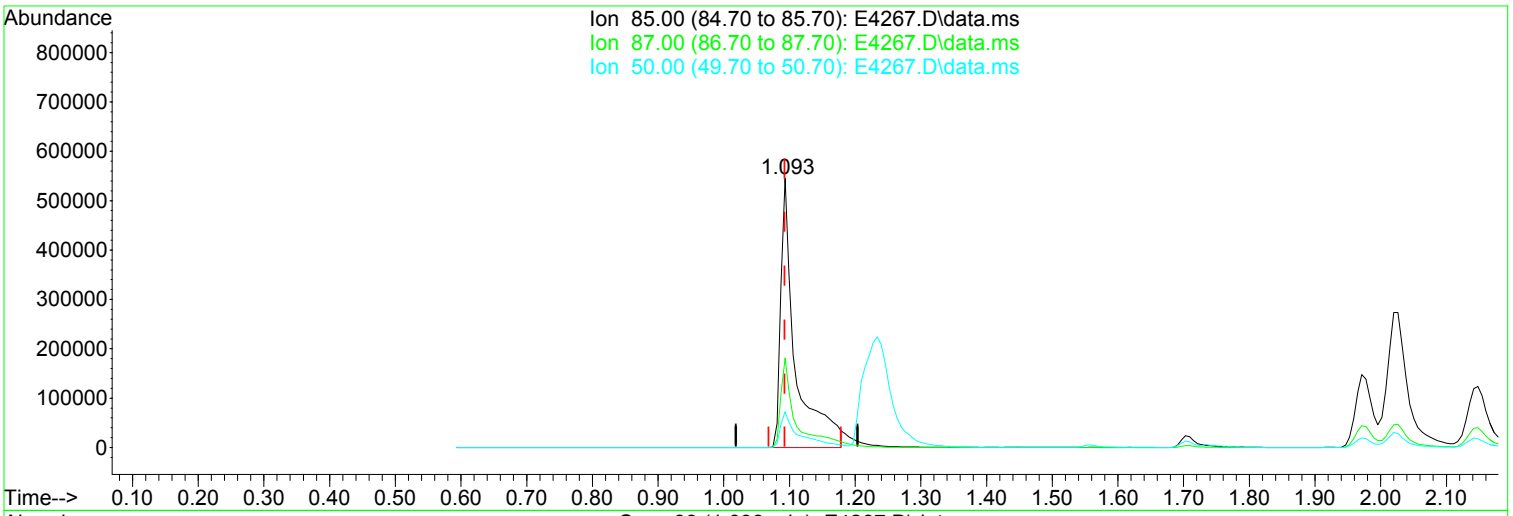
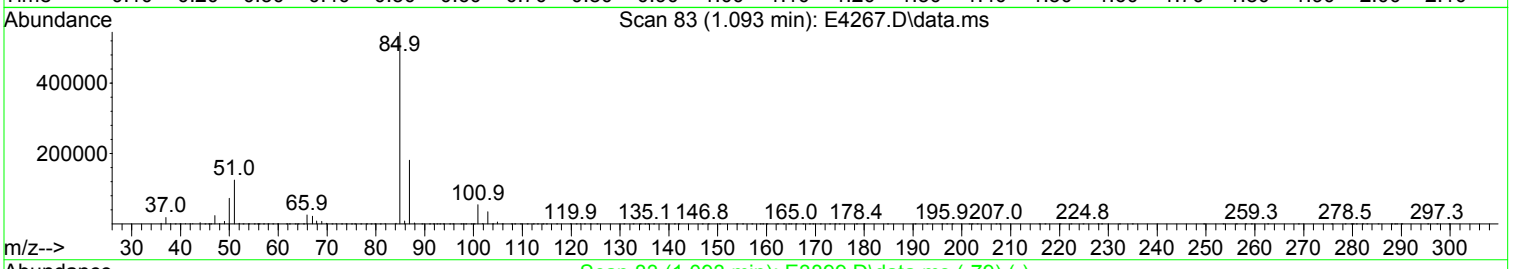
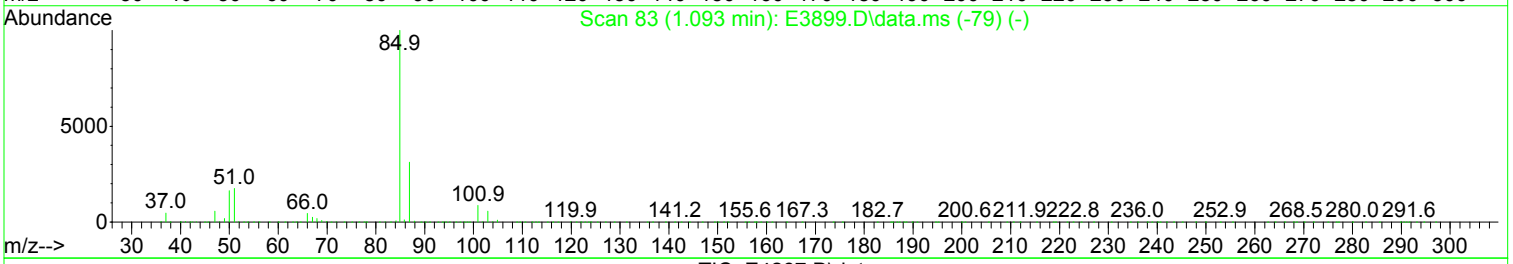
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration







TIC: E4267.D\data.ms

(3) Dichlorodifluoromethane (P)

1.093min (+ 0.000) 203.00 ug/L

response 850530

Ion	Exp%	Act%
85.00	100.00	100.00
87.00	31.30	33.21
50.00	16.40	13.34
0.00	0.00	0.00

Manual Integration:

Before

08/05/23

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4267.D
Acq On : 04 Aug 2023 07:28 pm
Operator : K.Ruest
Sample : 200ppb
Misc : WATER ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 05 09:35:55 2023
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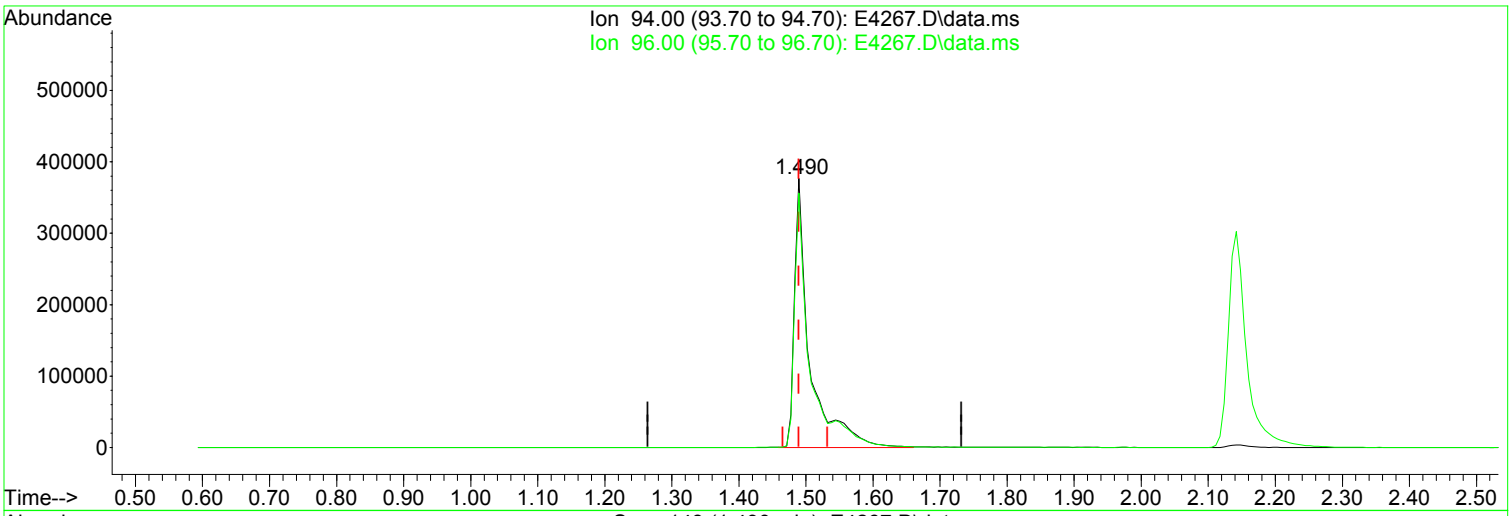
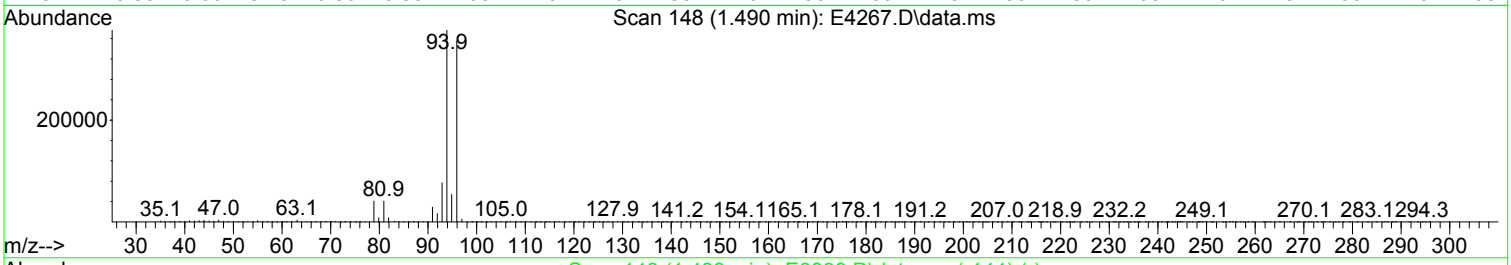
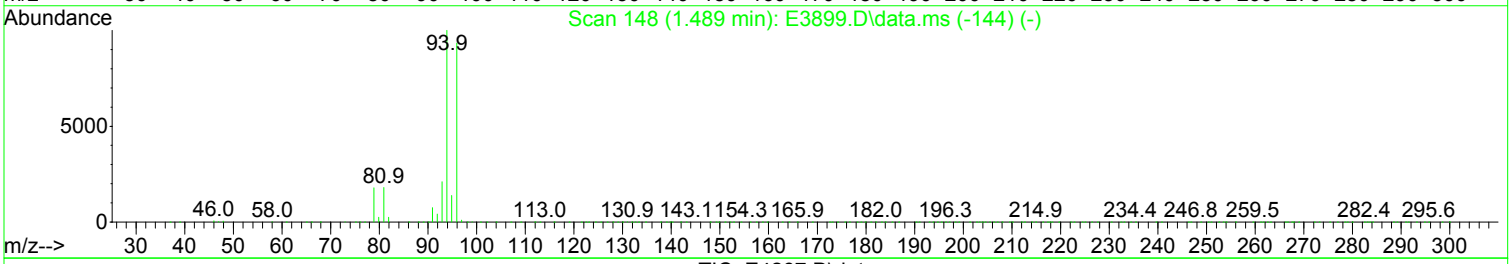
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration







TIC: E4267.D\data.ms

(6) Bromomethane (P)

1.490min (+ 0.000) 206.45 ug/L m

response 605366

Ion	Exp%	Act%
94.00	100.00	100.00
96.00	93.40	94.53
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

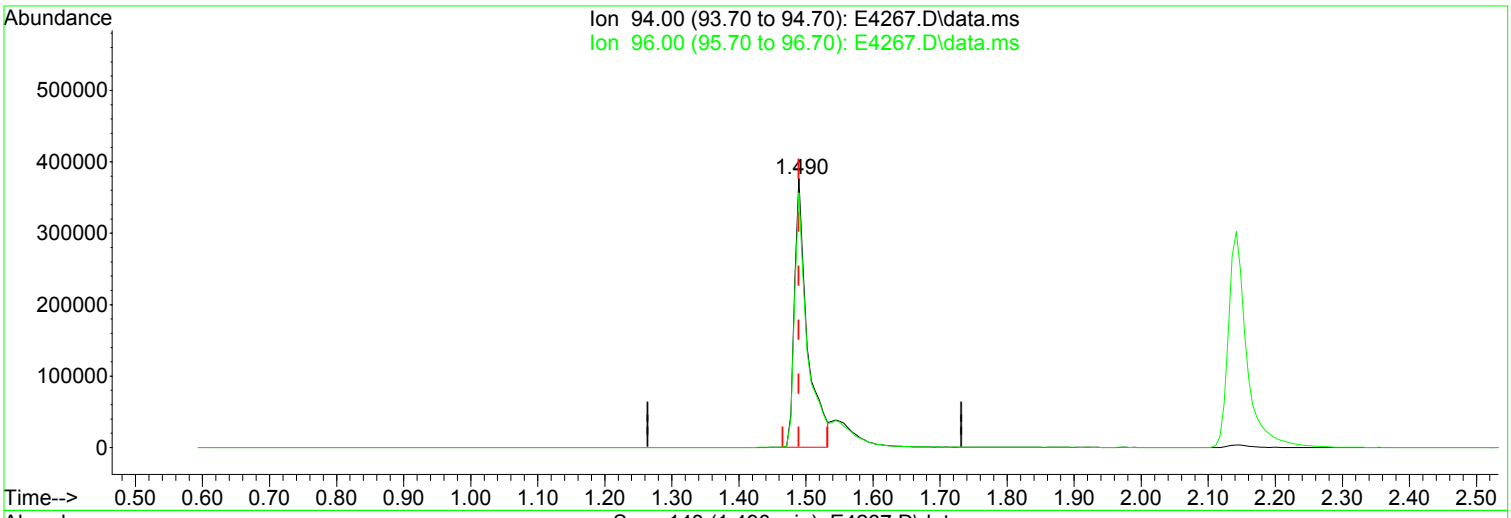
Poor integration.

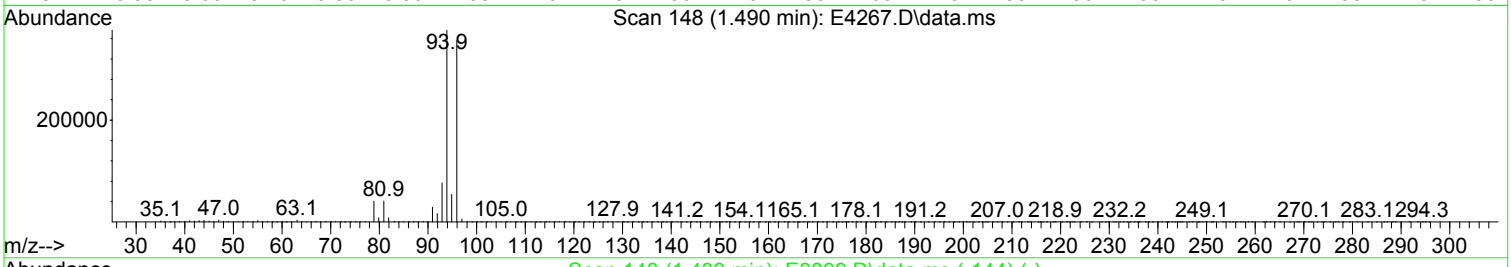
08/05/23

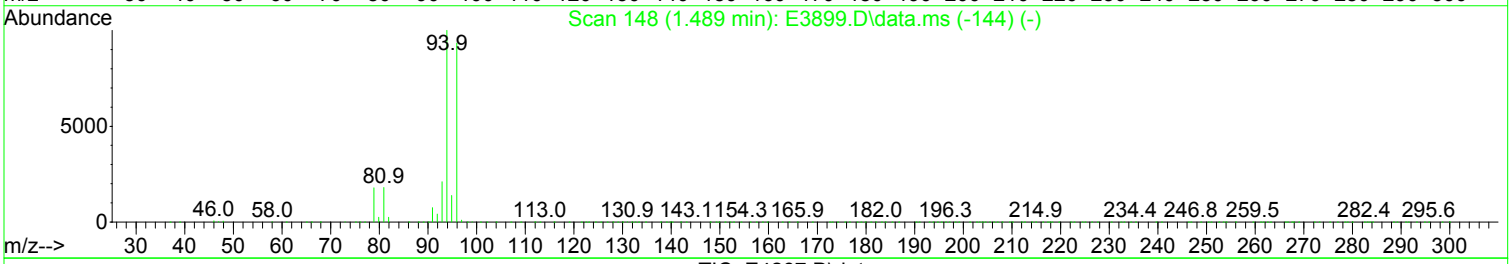
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4267.D
Acq On : 04 Aug 2023 07:28 pm
Operator : K.Ruest
Sample : 200ppb
Misc : WATER ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 05 09:35:55 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration







TIC: E4267.D\data.ms

(6) Bromomethane (P)

1.490min (+ 0.000) 171.71 ug/L

response 503521

Ion	Exp%	Act%
94.00	100.00	100.00
96.00	93.40	94.53
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

08/05/23

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4267.D
Acq On : 04 Aug 2023 07:28 pm
Operator : K.Ruest
Sample : 200ppb
Misc : WATER ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 05 09:35:55 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.086	168	404019	50.00	ug/L		0.00
43) 1,4-Difluorobenzene	6.245	114	572895	50.00	ug/L		0.00
71) d5-Chlorobenzene	9.622	117	518525	50.00	ug/L		0.00
91) 1,4-Dichlorobenzene-d4	11.683	152	290072	50.00	ug/L	#	0.00
System Monitoring Compounds							
45) surr4,Dibrflmethane	4.922	113	194533	51.35	ug/L		0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 102.70%				
48) surr1,1,2-dichloroetha...	5.501	65	218579	50.35	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 100.70%				
65) SURR3,Toluene-d8	8.104	98	711961	51.66	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 103.32%				
70) SURR2,BFB	10.707	95	283965	54.08	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 108.16%				
Target Compounds							Qvalue
2) Chlorodifluoromethane	1.099	51	693495	186.777	ug/L		94
3) Dichlorodifluoromethane	1.093	85	895660m	213.772	ug/L		
4) Chloromethane	1.234	50	651005	203.066	ug/L		99
5) Vinyl Chloride	1.282	62	831689	190.530	ug/L		99
6) Bromomethane	1.490	94	605366m	206.447	ug/L		
7) Chloroethane	1.557	64	597017	202.585	ug/L		99
8) Freon 21	1.703	67	1153506	193.722	ug/L		98
9) Trichlorofluoromethane	1.746	101	1089533	194.179	ug/L		99
10) Diethyl Ether	1.971	59	522194	197.938	ug/L		92
11) Freon 123a	1.971	67	640201	180.780	ug/L		80
12) Freon 123	2.020	83	854325	197.175	ug/L		95
13) Acrolein	2.063	56	667784	1106.155	ug/L		99
14) 1,1-Diclethene	2.142	96	576443	188.126	ug/L	#	83
15) Freon 113	2.148	101	646797	193.701	ug/L		85
16) Acetone	2.197	43	348679	186.017	ug/L		96
17) 2-Propanol	2.331	45	1250968	4064.769	ug/L		99
18) Iodomethane	2.264	142	1006254	214.350	ug/L		92
19) Carbon Disulfide	2.319	76	1755042	192.843	ug/L		99
20) Acetonitrile	2.447	41	664626m	472.970	ug/L		
21) Allyl Chloride	2.453	76	357250	205.772	ug/L	#	73
22) Methyl Acetate	2.483	43	828859	195.372	ug/L		92
23) Methylene Chloride	2.563	84	609635	178.398	ug/L	#	88
24) TBA	2.709	59	2146282	3978.123	ug/L		97
25) Acrylonitrile	2.812	53	1561939	985.818	ug/L		99
26) Methyl-t-Butyl Ether	2.849	73	2070490	190.275	ug/L		96
27) trans-1,2-Dichloroethene	2.837	96	647154	186.249	ug/L	#	82
28) 1,1-Diclethane	3.306	63	1059233	191.977	ug/L		97
29) Vinyl Acetate	3.398	86	103474	202.467	ug/L	#	46
30) DIPE	3.428	45	1937941	194.278	ug/L		92
31) 2-Chloro-1,3-Butadiene	3.416	53	1042496	198.231	ug/L		83
32) ETBE	3.922	59	1927731	186.184	ug/L		95
33) 2,2-Dichloropropane	4.081	77	1037774	166.684	ug/L		96
34) cis-1,2-Dichloroethene	4.093	96	703726	185.965	ug/L	#	81
35) 2-Butanone	4.154	43	433370	195.672	ug/L		93
36) Propionitrile	4.239	54	634100	958.782	ug/L		100
37) Bromochloromethane	4.465	130	485602	210.675	ug/L	#	83
38) Methacrylonitrile	4.483	67	340396	193.858	ug/L	#	82
39) Tetrahydrofuran	4.562	42	253201	188.765	ug/L		90
40) Chloroform	4.635	83	1130985	189.181	ug/L		98

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4267.D
Acq On : 04 Aug 2023 07:28 pm
Operator : K.Ruest
Sample : 200ppb
Misc : WATER ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 05 09:35:55 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) 1,1,1-Trichloroethane	4.922	97	1068296	190.153	ug/L		96
42) TAME	5.842	73	1914539	189.417	ug/L		94
44) Cyclohexane	5.007	41	583078	200.150	ug/L		99
46) Carbontetrachloride	5.221	117	979630	205.874	ug/L		96
47) 1,1-Dichloropropene	5.239	75	824780	189.454	ug/L		95
49) Benzene	5.580	78	2372617	190.702	ug/L		95
50) 1,2-Dichloroethane	5.629	62	920812	189.212	ug/L		96
51) Iso-Butyl Alcohol	5.653	43	875838	4253.110	ug/L		98
52) n-Heptane	6.098	43	870919	195.022	ug/L		90
53) 1-Butanol	6.665	56	1423546	11356.528	ug/L		92
54) Trichloroethene	6.574	130	734590	190.438	ug/L		93
55) Methylcyclohexane	6.812	55	834253	209.605	ug/L		84
56) 1,2-Diclpropane	6.873	63	610141	189.019	ug/L		97
57) Dibromomethane	7.013	93	456473	192.560	ug/L	#	74
58) 1,4-Dioxane	7.098	88	243706	4098.043	ug/L		80
59) Methyl Methacrylate	7.123	69	577558	197.000	ug/L	#	83
60) Bromodichloromethane	7.257	83	945498	189.907	ug/L		97
61) 2-Nitropropane	7.556	41	523426	413.823	ug/L		99
62) 2-Chloroethylvinyl Ether	7.677	63	374209	180.926	ug/L		93
63) cis-1,3-Dichloropropene	7.812	75	1075357	193.538	ug/L		93
64) 4-Methyl-2-pentanone	8.031	43	822883	199.737	ug/L		95
66) Toluene	8.177	91	2775776	195.938	ug/L		99
67) trans-1,3-Dichloropropene	8.464	75	1036124	201.578	ug/L		97
68) Ethyl Methacrylate	8.616	69	1047356	180.839	ug/L		88
69) 1,1,2-Trichloroethane	8.653	97	654560	193.056	ug/L		95
72) Tetrachloroethene	8.775	164	614669	195.300	ug/L		93
73) 2-Hexanone	8.964	43	625294	201.930	ug/L		92
74) 1,3-Dichloropropane	8.824	76	1056525	189.718	ug/L		91
75) Dibromochloromethane	9.049	129	842353	181.701	ug/L		99
76) N-Butyl Acetate	9.116	43	1243104	201.700	ug/L		94
77) 1,2-Dibromoethane	9.147	107	720210	194.944	ug/L		99
78) 3-Chlorobenzotrifluoride	9.677	180	1191180	208.340	ug/L		97
79) Chlorobenzene	9.647	112	1906774	197.096	ug/L		94
80) 4-Chlorobenzotrifluoride	9.732	180	1042178	202.534	ug/L		98
81) 1,1,1,2-Tetrachloroethane	9.738	131	767033	198.692	ug/L		99
82) Ethylbenzene	9.775	106	981957	194.916	ug/L	#	81
83) (m+p)Xylene	9.884	106	2540241	403.642	ug/L	#	85
84) o-Xylene	10.244	106	1245266	201.457	ug/L		92
85) Styrene	10.262	104	2171184	207.227	ug/L		94
86) Bromoform	10.409	173	690007	220.195	ug/L		99
87) 2-Chlorobenzotrifluoride	10.500	180	1150300	205.901	ug/L		90
88) Isopropylbenzene	10.585	105	3011915	197.901	ug/L		98
89) Cyclohexanone	10.659	55	3249378	4225.088	ug/L		97
90) trans-1,4-Dichloro-2-B...	10.902	53	314739	210.031	ug/L		86
92) 1,1,2,2-Tetrachloroethane	10.854	83	988799	192.071	ug/L		96
93) Bromobenzene	10.829	156	951860	195.120	ug/L	#	74
94) 1,2,3-Trichloropropane	10.878	110	326137	183.096	ug/L	#	86
95) n-Propylbenzene	10.945	91	3608920	187.523	ug/L		95
96) 2-Chlorotoluene	11.000	91	2170997	186.227	ug/L		95
97) 3-Chlorotoluene	11.055	91	2226968	186.574	ug/L		93
98) 4-Chlorotoluene	11.098	91	2627452	184.974	ug/L		94
99) 1,3,5-Trimethylbenzene	11.098	105	2825620	190.366	ug/L		94
100) tert-Butylbenzene	11.366	119	2402286	190.362	ug/L		99
101) 1,2,4-Trimethylbenzene	11.409	105	2744650	191.986	ug/L		95
102) 3,4-Dichlorobenzotrifl...	11.476	214	982638	204.451	ug/L		98
103) sec-Butylbenzene	11.549	105	3415517	189.274	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4267.D
Acq On : 04 Aug 2023 07:28 pm
Operator : K.Ruest
Sample : 200ppb
Misc : WATER ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 05 09:35:55 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
104) p-Isopropyltoluene	11.677	119	3078779	194.308	ug/L		94
105) 1,3-Dclbenz	11.628	146	1685610	190.570	ug/L		98
106) 1,4-Dclbenz	11.701	146	1728019	190.884	ug/L		97
107) 2,4-Dichlorobenzotrifl...	11.762	214	907529	210.873	ug/L		97
108) 2,5-Dichlorobenzotrifl...	11.805	214	954498	200.195	ug/L		98
109) n-Butylbenzene	12.006	91	2792134	205.076	ug/L		94
110) 1,2-Dclbenz	12.006	146	1691357	195.240	ug/L		97
111) 1,2-Dibromo-3-chloropr...	12.634	157	298610	210.059	ug/L	#	85
112) Trielution Dichlorotol...	12.756	125	4392725	593.700	ug/L		92
113) 1,3,5-Trichlorobenzene	12.805	180	1288114	198.138	ug/L		95
114) Coelution Dichlorotoluene	13.079	125	3102990	396.779	ug/L		94
115) 1,2,4-Tcbenzene	13.286	180	1329133	202.745	ug/L		98
116) Hexachlorobt	13.426	225	594249	194.445	ug/L		100
117) Naphthalen	13.475	128	3360940	206.723	ug/L		99
118) 1,2,3-Tclbenzene	13.664	180	1295274	203.922	ug/L		98
119) 2,4,5-Trichlorotoluene	14.249	159	873086	210.968	ug/L		99
120) 2,3,6-Trichlorotoluene	14.335	159	798386	206.489	ug/L		98

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
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Acq On : 04 Aug 2023 07:28 pm
Operator : K.Ruest
Sample : 200ppb
Misc : WATER ICAL
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Quant Time: Aug 05 09:35:55 2023
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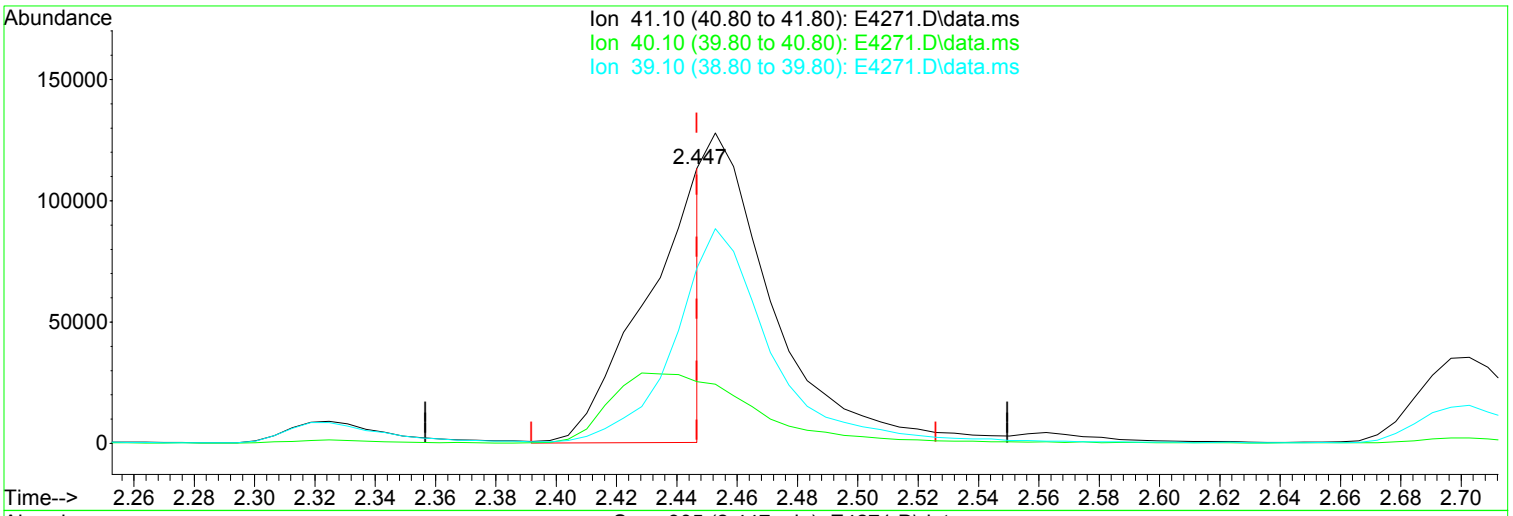
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 09:32:46 2023
Response via : Initial Calibration

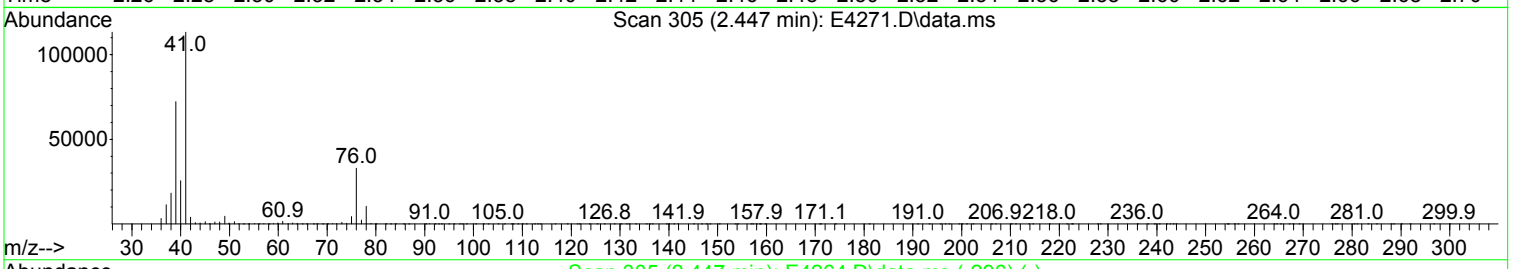
1st 08/05/23
2nd 08/07/23

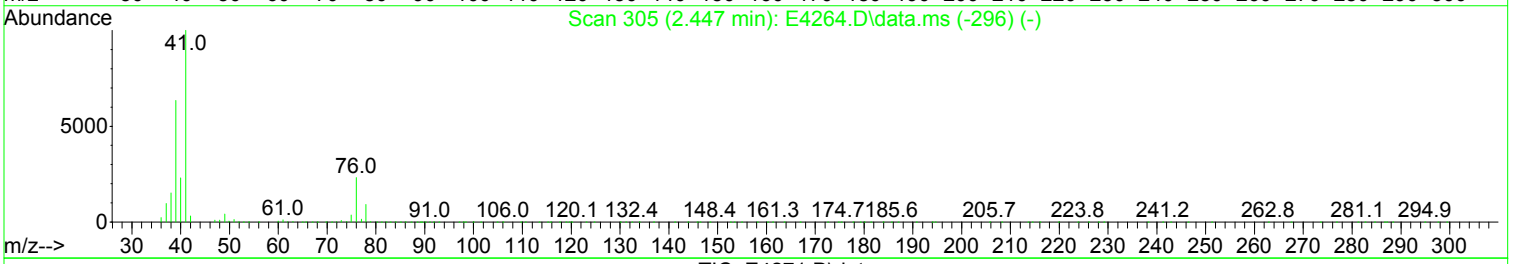
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4271.D
Acq On : 04 Aug 2023 09:00 pm
Operator : K.Ruest
Sample : ICV-50
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 05 11:41:05 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration







TIC: E4271.D\data.ms

(20) Acetonitrile

2.447min (0.000) 251.00 ug/L m

response 151753

Ion	Exp%	Act%
41.10	100.00	100.00
40.10	23.00	22.49
39.10	63.60	63.74
0.00	0.00	0.00

Manual Integration:

After

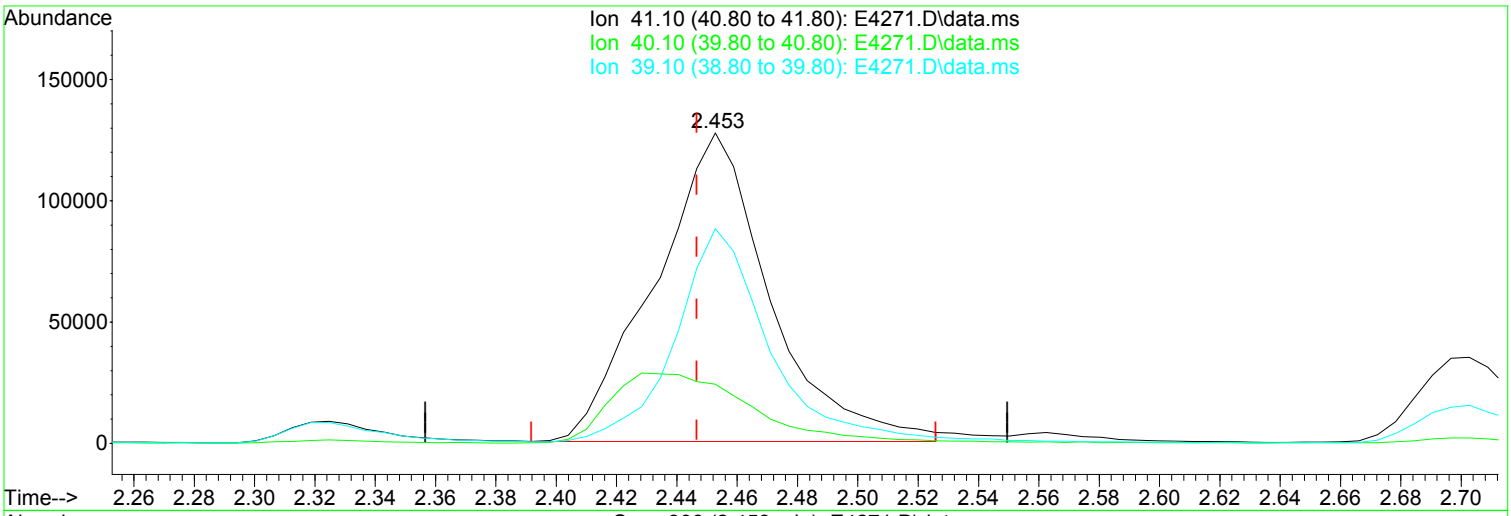
Poor integration.

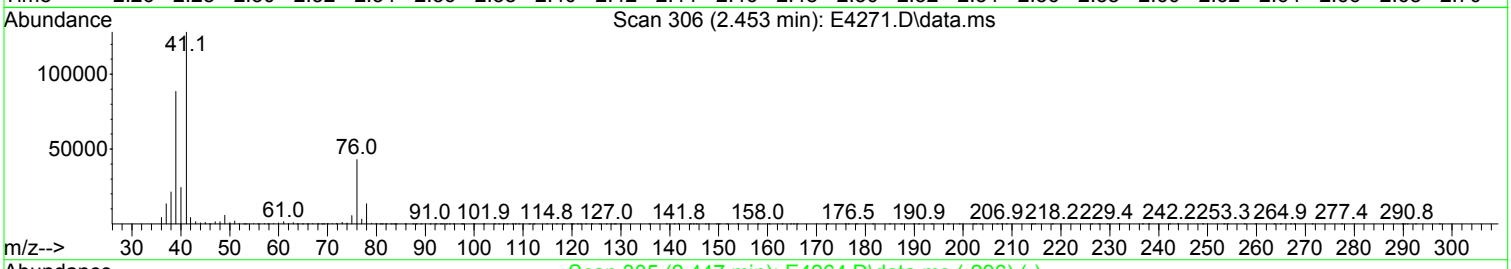
08/05/23

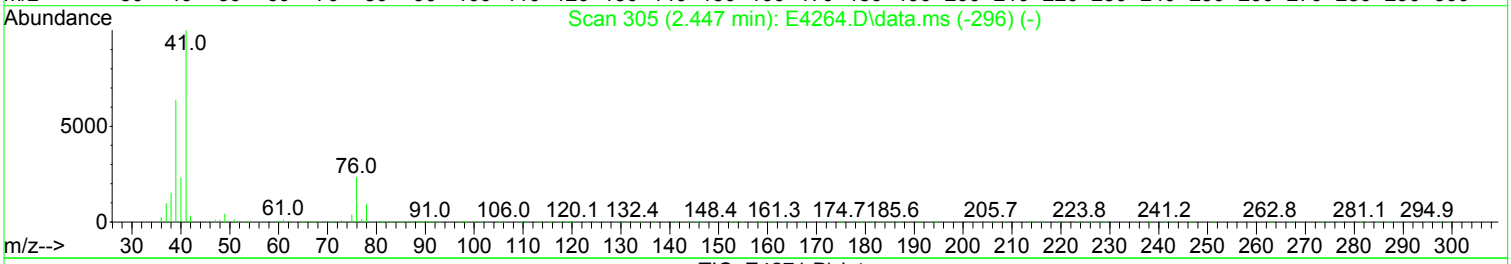
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4271.D
Acq On : 04 Aug 2023 09:00 pm
Operator : K.Ruest
Sample : ICV-50
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 05 11:41:05 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration







TIC: E4271.D\data.ms

(20) Acetonitrile

2.453min (+ 0.006) 557.21 ug/L

response 336894

Ion	Exp%	Act%
41.10	100.00	100.00
40.10	23.00	19.07
39.10	63.60	69.13
0.00	0.00	0.00

Manual Integration:

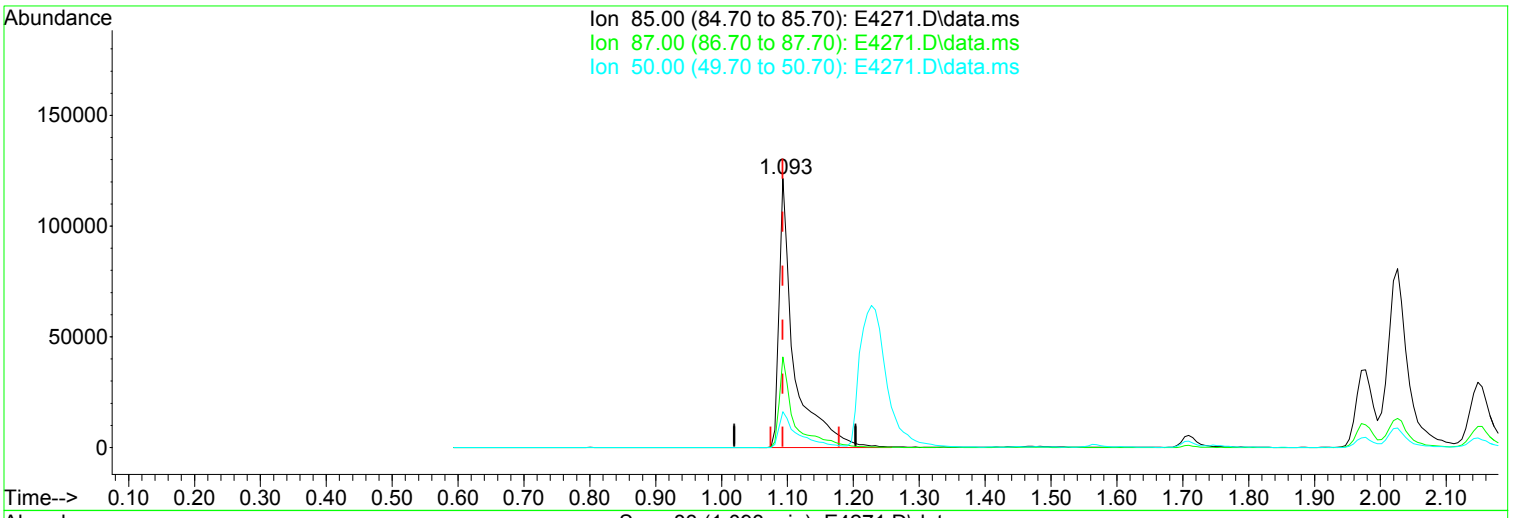
Before

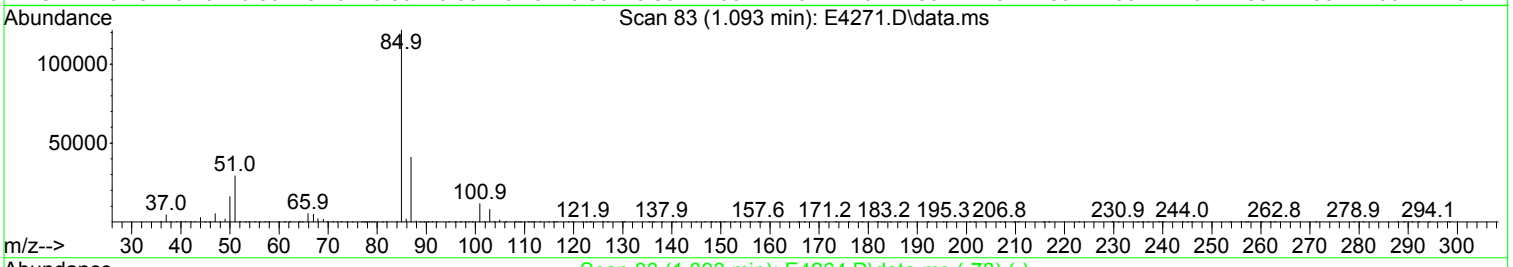
08/05/23

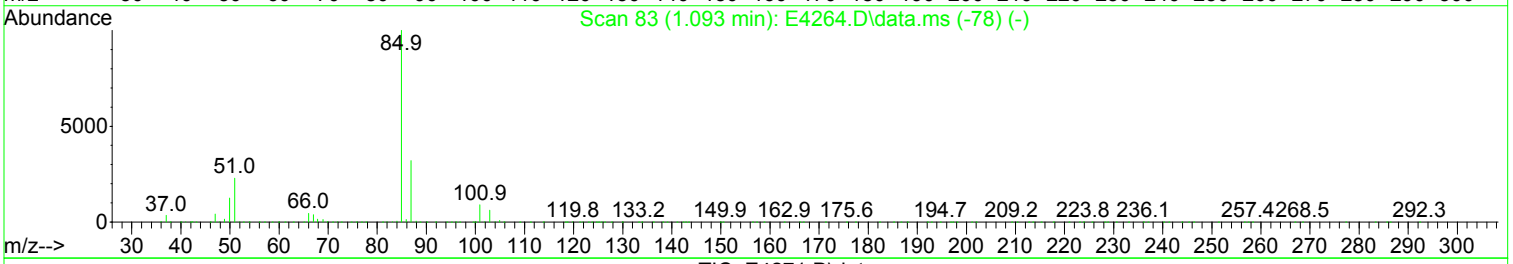
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4271.D
Acq On : 04 Aug 2023 09:00 pm
Operator : K.Ruest
Sample : ICV-50
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 05 11:41:05 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration







TIC: E4271.D\data.ms

(3) Dichlorodifluoromethane (P)

1.093min (-0.000) 43.70 ug/L m

response 191147

Ion	Exp%	Act%
85.00	100.00	100.00
87.00	32.10	33.68
50.00	12.60	13.26
0.00	0.00	0.00

Manual Integration:

After

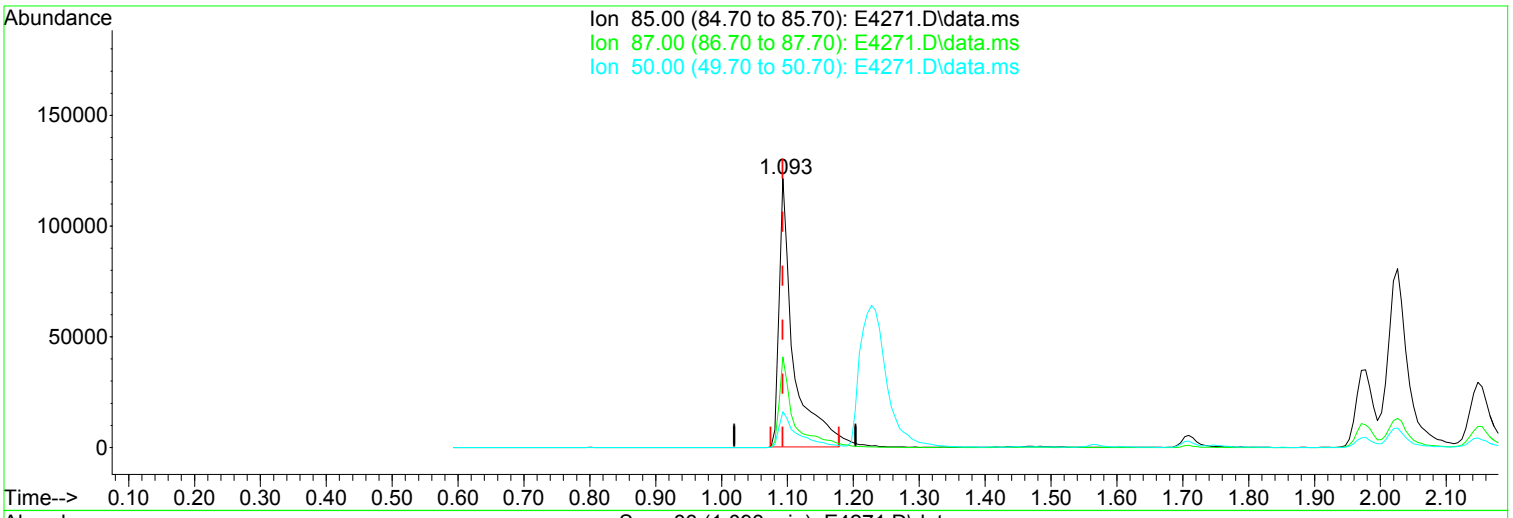
Poor integration.

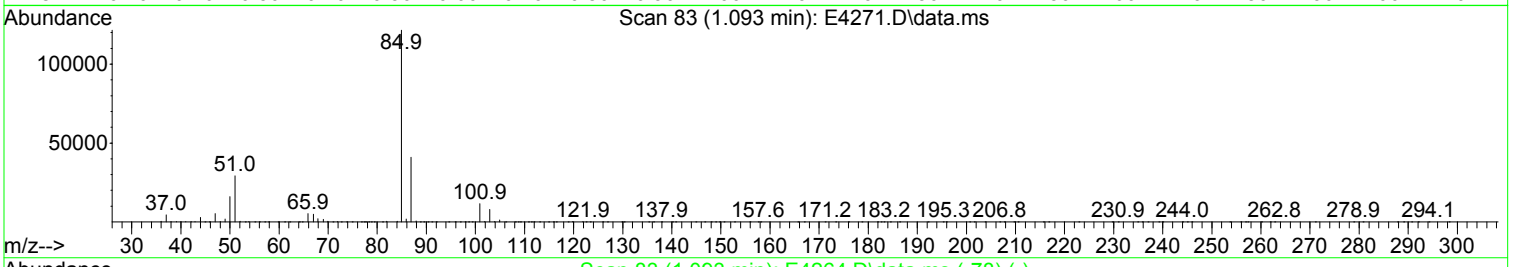
08/05/23

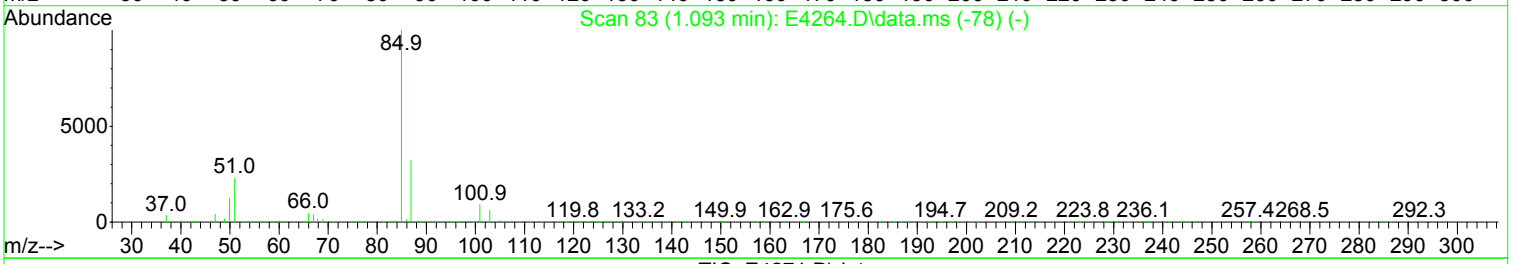
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\080423\
Data File : E4271.D
Acq On : 04 Aug 2023 09:00 pm
Operator : K.Ruest
Sample : ICV-50
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 05 11:41:05 2023
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W080423.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Sat Aug 05 10:36:43 2023
Response via : Initial Calibration







TIC: E4271.D\data.ms

(3) Dichlorodifluoromethane (P)

1.093min (-0.000) 41.69 ug/L

response 182378

Ion	Exp%	Act%
85.00	100.00	100.00
87.00	32.10	33.68
50.00	12.60	13.26
0.00	0.00	0.00

Manual Integration:

Before

08/05/23

Client: Stantec Consulting Group, Inc. **Service Request:** R2306651
Project: RTP **Calibration Date:** 8/4/2023

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC2300106 **Signal ID:** 1
Instrument ID: R-MS-17

#	Lab Code	Sample Name	File Location	Acquisition Date
01	RC2300106-01	0.5ppb	I:\ACQUDATA\MSVOA17\Data\080423\E4259.D	08/04/2023 16:24
02	RC2300106-02	1.0ppb	I:\ACQUDATA\MSVOA17\Data\080423\E4260.D	08/04/2023 16:47
03	RC2300106-03	2.0ppb	I:\ACQUDATA\MSVOA17\Data\080423\E4261.D	08/04/2023 17:10
04	RC2300106-04	5.0ppb	I:\ACQUDATA\MSVOA17\Data\080423\E4262.D	08/04/2023 17:32
05	RC2300106-05	20ppb	I:\ACQUDATA\MSVOA17\Data\080423\E4263.D	08/04/2023 17:56
06	RC2300106-06	50ppb	I:\ACQUDATA\MSVOA17\Data\080423\E4264.D	08/04/2023 18:19
07	RC2300106-07	100ppb	I:\ACQUDATA\MSVOA17\Data\080423\E4265.D	08/04/2023 18:42
08	RC2300106-08	150ppb	I:\ACQUDATA\MSVOA17\Data\080423\E4266.D	08/04/2023 19:05
09	RC2300106-09	200ppb	I:\ACQUDATA\MSVOA17\Data\080423\E4267.D	08/04/2023 19:28

Analyte

1,1,1-Trichloroethane (TCA)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.7664	02	1.000	0.7547	03	2.000	0.7739	04	5.000	0.7454
05	20.000	0.5893	06	50.000	0.6468	07	100.000	0.6948	08	150.000	0.6999
09	200.000	0.661									

1,1,2,2-Tetrachloroethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.9531	02	1.000	1.058	03	2.000	1.033	04	5.000	1.004
05	20.000	0.8659	06	50.000	0.7593	07	100.000	0.7353	08	150.000	0.7261
09	200.000	0.8522									

1,1,2-Trichloroethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.3355	02	1.000	0.3218	03	2.000	0.3023	04	5.000	0.3161
05	20.000	0.2676	06	50.000	0.2752	07	100.000	0.2775	08	150.000	0.2816
09	200.000	0.2856									

1,1-Dichloroethane (1,1-DCA)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.6869	02	1.000	0.7315	03	2.000	0.7302	04	5.000	0.7164
05	20.000	0.6146	06	50.000	0.6476	07	100.000	0.6773	08	150.000	0.6855
09	200.000	0.6554									

1,1-Dichloroethene (1,1-DCE)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.4615	02	1.000	0.4135	03	2.000	0.3989	04	5.000	0.3859
05	20.000	0.3187	06	50.000	0.3378	07	100.000	0.3654	08	150.000	0.3744
09	200.000	0.3567									

1,2-Dichloroethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.4653	02	1.000	0.4639	03	2.000	0.4646	04	5.000	0.4553
05	20.000	0.3867	06	50.000	0.3934	07	100.000	0.3959	08	150.000	0.3957
09	200.000	0.4018									

Client: Stantec Consulting Group, Inc. **Service Request:** R2306651
Project: RTP **Calibration Date:** 8/4/2023

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC2300106 **Signal ID:** 1
Instrument ID: R-MS-17

Analyte

1,2-Dichloropropane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.3315	02	1.000	0.2907	03	2.000	0.2938	04	5.000	0.3098
05	20.000	0.2469	06	50.000	0.2597	07	100.000	0.2674	08	150.000	0.2695
09	200.000	0.2663									

2-Butanone (MEK)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
03	2.000	0.288	04	5.000	0.309	05	20.000	0.2857	06	50.000	0.2634
07	100.000	0.258	08	150.000	0.2464	09	200.000	0.2682			

2-Hexanone

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
03	2.000	0.3261	04	5.000	0.344	05	20.000	0.315	06	50.000	0.2746
07	100.000	0.2722	08	150.000	0.2568	09	200.000	0.3015			

4-Bromofluorobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	10.000	0.4697	05	20.000	0.4053	06	50.000	0.4523	07	100.000	0.4877
08	200.000	0.4763									

4-Methyl-2-pentanone

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
03	2.000	0.3887	04	5.000	0.4009	05	20.000	0.3684	06	50.000	0.3406
07	100.000	0.3358	08	150.000	0.3235	09	200.000	0.3591			

Acetone

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	5.000	0.2999	05	20.000	0.2478	06	50.000	0.2136	07	100.000	0.2121
08	150.000	0.2027	09	200.000	0.2158						

Benzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	1.178	02	1.000	1.172	03	2.000	1.172	04	5.000	1.169
05	20.000	0.9399	06	50.000	1.003	07	100.000	1.052	08	150.000	1.052
09	200.000	1.035									

Bromodichloromethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.5028	02	1.000	0.4817	03	2.000	0.4521	04	5.000	0.4537
05	20.000	0.3827	06	50.000	0.398	07	100.000	0.4119	08	150.000	0.4152
09	200.000	0.4126									

Bromoform

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
02	1.000	0.2944	03	2.000	0.3078	04	5.000	0.3068	05	20.000	0.2794
06	50.000	0.2876	07	100.000	0.3017	08	150.000	0.3069	09	200.000	0.3327

Client: Stantec Consulting Group, Inc. **Service Request:** R2306651
Project: RTP **Calibration Date:** 8/4/2023

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC2300106 **Signal ID:** 1
Instrument ID: R-MS-17

Analyte

Bromomethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.3598	02	1.000	0.449	03	2.000	0.3745	04	5.000	0.4083
05	20.000	0.2982	06	50.000	0.3623	07	100.000	0.4056	08	150.000	0.3847
09	200.000	0.3746									

Carbon Disulfide

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	1.287	02	1.000	1.162	03	2.000	1.171	04	5.000	1.127
05	20.000	0.9908	06	50.000	1.089	07	100.000	1.127	08	150.000	1.098
09	200.000	1.086									

Carbon Tetrachloride

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.4055	02	1.000	0.42	03	2.000	0.422	04	5.000	0.4394
05	20.000	0.3526	06	50.000	0.3984	07	100.000	0.4339	08	150.000	0.4383
09	200.000	0.4275									

Chlorobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	1.023	02	1.000	1.029	03	2.000	1.016	04	5.000	0.9978
05	20.000	0.8	06	50.000	0.8343	07	100.000	0.8868	08	150.000	0.8898
09	200.000	0.9193									

Chloroethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.3314	02	1.000	0.4167	03	2.000	0.3258	04	5.000	0.3795
05	20.000	0.3075	06	50.000	0.3282	07	100.000	0.3738	08	150.000	0.4501
09	200.000	0.3694									

Chloroform

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.9793	02	1.000	0.9036	03	2.000	0.7642	04	5.000	0.8193
05	20.000	0.6639	06	50.000	0.6907	07	100.000	0.7202	08	150.000	0.7242
09	200.000	0.6998									

Chloromethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.6436	02	1.000	0.4352	03	2.000	0.4281	04	5.000	0.4495
05	20.000	0.3813	06	50.000	0.3963	07	100.000	0.4098	08	150.000	0.4114
09	200.000	0.4028									

Dibromochloromethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.3965	02	1.000	0.4258	03	2.000	0.4174	04	5.000	0.4144
05	20.000	0.3719	06	50.000	0.3721	07	100.000	0.3882	08	150.000	0.3858
09	200.000	0.4061									

Client: Stantec Consulting Group, Inc. **Service Request:** R2306651
Project: RTP **Calibration Date:** 8/4/2023

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC2300106 **Signal ID:** 1
Instrument ID: R-MS-17

Analyte

Dibromofluoromethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	10.000	0.3464	05	20.000	0.3003	06	50.000	0.3376	07	100.000	0.3444
08	200.000	0.3246									

Dichloromethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.5481	02	1.000	0.4787	03	2.000	0.4567	04	5.000	0.4229
05	20.000	0.3677	06	50.000	0.3753	07	100.000	0.3861	08	150.000	0.3935
09	200.000	0.3772									

Ethylbenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.5549	02	1.000	0.5456	03	2.000	0.5196	04	5.000	0.521
05	20.000	0.3994	06	50.000	0.4325	07	100.000	0.4648	08	150.000	0.4608
09	200.000	0.4734									

Styrene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	1.138	02	1.000	1.059	03	2.000	1.002	04	5.000	1.056
05	20.000	0.8671	06	50.000	0.9175	07	100.000	1	08	150.000	1.006
09	200.000	1.047									

Tetrachloroethene (PCE)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.3473	02	1.000	0.3729	03	2.000	0.3207	04	5.000	0.3203
05	20.000	0.2381	06	50.000	0.2612	07	100.000	0.2873	08	150.000	0.2872
09	200.000	0.2964									

Toluene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	1.329	02	1.000	1.327	03	2.000	1.293	04	5.000	1.328
05	20.000	1.034	06	50.000	1.141	07	100.000	1.222	08	150.000	1.243
09	200.000	1.211									

Toluene-d8

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	10.000	1.273	05	20.000	1.088	06	50.000	1.211	07	100.000	1.246
08	200.000	1.196									

Trichloroethene (TCE)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.4006	02	1.000	0.3725	03	2.000	0.3482	04	5.000	0.3522
05	20.000	0.2765	06	50.000	0.3056	07	100.000	0.3259	08	150.000	0.3279
09	200.000	0.3206									

Vinyl Chloride

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.7342	02	1.000	0.5681	03	2.000	0.5514	04	5.000	0.5657

Client: Stantec Consulting Group, Inc. **Service Request:** R2306651
Project: RTP **Calibration Date:** 8/4/2023

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC2300106 **Signal ID:** 1
Instrument ID: R-MS-17

Analyte

Vinyl Chloride

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
05	20.000	0.4852	06	50.000	0.5039	07	100.000	0.5254	08	150.000	0.5122
09	200.000	0.5146									

cis-1,2-Dichloroethene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.5419	02	1.000	0.5098	03	2.000	0.5189	04	5.000	0.4948
05	20.000	0.4126	06	50.000	0.4286	07	100.000	0.4475	08	150.000	0.4532
09	200.000	0.4355									

cis-1,3-Dichloropropene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.5332	02	1.000	0.5219	03	2.000	0.5192	04	5.000	0.5057
05	20.000	0.4359	06	50.000	0.4494	07	100.000	0.4633	08	150.000	0.4665
09	200.000	0.4693									

m,p-Xylenes

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.6988	02	2.000	0.6443	03	4.000	0.6465	04	10.000	0.6501
05	40.000	0.495	06	100.000	0.538	07	200.000	0.5876	08	300.000	0.5889
09	400.000	0.6124									

o-Xylene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.6811	02	1.000	0.6516	03	2.000	0.6525	04	5.000	0.627
05	20.000	0.4924	06	50.000	0.524	07	100.000	0.5659	08	150.000	0.5695
09	200.000	0.6004									

trans-1,2-Dichloroethene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.5467	02	1.000	0.5006	03	2.000	0.4347	04	5.000	0.4394
05	20.000	0.352	06	50.000	0.3772	07	100.000	0.4048	08	150.000	0.4142
09	200.000	0.4004									

trans-1,3-Dichloropropene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.4668	02	1.000	0.4681	03	2.000	0.4467	04	5.000	0.4653
05	20.000	0.413	06	50.000	0.4304	07	100.000	0.445	08	150.000	0.4501
09	200.000	0.4521									

Client: Stantec Consulting Group, Inc. **Service Request:** R2306651
Project: RTP **Calibration Date:** 8/4/2023

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC2300106 **Signal ID:** 1
Instrument ID: R-MS-17

		Calibration Evaluation				Calibration Evaluation	
Analyte Name	Compound Type	Fit Type	Eval	Eval Result	Control Criteria	Average RRF	Minimum RRF
1,1,1-Trichloroethane (TCA)	TRG	Average RF	% RSD	8.9	≤20	0.7036	0.100
1,1,2,2-Tetrachloroethane	TRG	Average RF	% RSD	14.7	≤20	0.8874	0.300
1,1,2-Trichloroethane	TRG	Average RF	% RSD	8.1	≤20	0.2959	0.100
1,1-Dichloroethane (1,1-DCA)	TRG	Average RF	% RSD	5.8	≤20	0.6828	0.200
1,1-Dichloroethene (1,1-DCE)	TRG	Average RF	% RSD	11.2	≤20	0.3792	0.100
1,2-Dichloroethane	TRG	Average RF	% RSD	8.5	≤20	0.4247	0.100
1,2-Dichloropropane	TRG	Average RF	% RSD	9.5	≤20	0.2817	0.100
2-Butanone (MEK)	TRG	Average RF	% RSD	7.8	≤20	0.2741	0.05
2-Hexanone	TRG	Average RF	% RSD	10.7	≤20	0.2986	0.05
4-Bromofluorobenzene	SURR	Average RF	% RSD	7.0	≤20	0.4583	
4-Methyl-2-pentanone	TRG	Average RF	% RSD	7.9	≤20	0.3596	0.05
Acetone	TRG	Average RF	% RSD	15.8	≤20	0.232	0.05
Benzene	TRG	Average RF	% RSD	8.2	≤20	1.086	0.500
Bromodichloromethane	TRG	Average RF	% RSD	9.3	≤20	0.4345	0.200
Bromoform	TRG	Average RF	% RSD	5.3	≤20	0.3022	0.100
Bromomethane	TRG	Average RF	% RSD	10.9	≤20	0.3797	0.100
Carbon Disulfide	TRG	Average RF	% RSD	7.1	≤20	1.126	0.100
Carbon Tetrachloride	TRG	Average RF	% RSD	6.6	≤20	0.4153	0.05
Chlorobenzene	TRG	Average RF	% RSD	9.3	≤20	0.9329	0.500
Chloroethane	TRG	Average RF	% RSD	12.8	≤20	0.3647	0.100
Chloroform	TRG	Average RF	% RSD	13.8	≤20	0.7739	0.200
Chloromethane	TRG	Average RF	% RSD	18.0	≤20	0.4398	0.100
Dibromochloromethane	TRG	Average RF	% RSD	4.9	≤20	0.3976	0.100
Dibromofluoromethane	SURR	Average RF	% RSD	5.8	≤20	0.3307	
Dichloromethane	TRG	Average RF	% RSD	14.4	≤20	0.4229	0.100
Ethylbenzene	TRG	Average RF	% RSD	10.9	≤20	0.4858	0.100
Styrene	TRG	Average RF	% RSD	7.9	≤20	1.01	0.300
Tetrachloroethene (PCE)	TRG	Average RF	% RSD	13.8	≤20	0.3035	0.200
Toluene	TRG	Average RF	% RSD	8.1	≤20	1.236	0.400
Toluene-d8	SURR	Average RF	% RSD	5.9	≤20	1.203	
Trichloroethene (TCE)	TRG	Average RF	% RSD	10.9	≤20	0.3367	0.200
Vinyl Chloride	TRG	Average RF	% RSD	13.5	≤20	0.5512	0.100
cis-1,2-Dichloroethene	TRG	Average RF	% RSD	9.7	≤20	0.4714	0.100
cis-1,3-Dichloropropene	TRG	Average RF	% RSD	7.3	≤20	0.4849	0.200

Client: Stantec Consulting Group, Inc. **Service Request:** R2306651
Project: RTP **Calibration Date:** 8/4/2023

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC2300106 **Signal ID:** 1
Instrument ID: R-MS-17

Analyte Name	Compound Type	Calibration Evaluation				Calibration Evaluation	
		Fit Type	Eval	Eval Result	Control Criteria	Average RRF	Minimum RRF
m,p-Xylenes	TRG	Average RF	% RSD	10.3	≤20	0.6068	0.100
o-Xylene	TRG	Average RF	% RSD	10.6	≤20	0.596	0.300
trans-1,2-Dichloroethene	TRG	Average RF	% RSD	14.1	≤20	0.43	0.100
trans-1,3-Dichloropropene	TRG	Average RF	% RSD	4.0	≤20	0.4486	0.100

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Stantec Consulting Group, Inc. **Service Request:** R2306651
Project: RTP **Calibration Date:** 8/4/2023

Initial Calibration Verification Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC2300106 **Signal ID:** 1
Instrument ID: R-MS-17

#	Lab Code	Sample Name	File Location	Acquisition Date
10	RC2300106-10	ICV-50	I:\ACQUDATA\MSVOA17\Data\080423\E4271.D	08/04/2023 21:00

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
1,1,1-Trichloroethane (TCA)	50.0	50.2	7.036E-1	7.068E-1	0.466	±30	Average RF
1,1,2,2-Tetrachloroethane	50.0	45.0	8.874E-1	7.981E-1	-10.058	±30	Average RF
1,1,2-Trichloroethane	50.0	49.9	2.959E-1	2.952E-1	-0.240	±30	Average RF
1,1-Dichloroethane (1,1-DCA)	50.0	50.8	6.828E-1	6.935E-1	1.56	±30	Average RF
1,1-Dichloroethene (1,1-DCE)	50.0	48.6	3.792E-1	3.687E-1	-2.763	±30	Average RF
1,2-Dichloroethane	50.0	49.4	4.247E-1	4.2E-1	-1.119	±30	Average RF
1,2-Dichloropropane	50.0	49.8	2.817E-1	2.806E-1	-0.401	±30	Average RF
2-Butanone (MEK)	50.0	42.6	2.741E-1	2.335E-1	-14.811	±30	Average RF
2-Hexanone	50.0	47.7	2.986E-1	2.846E-1	-4.696	±30	Average RF
4-Methyl-2-pentanone	50.0	49.6	3.596E-1	3.568E-1	-0.781	±30	Average RF
Acetone	50.0	39.9	2.32E-1	1.851E-1	-20.199	±30	Average RF
Benzene	50.0	50.7	1.086E0	1.102E0	1.50	±30	Average RF
Bromodichloromethane	50.0	48.5	4.345E-1	4.211E-1	-3.089	±30	Average RF
Bromoform	50.0	53.8	3.022E-1	3.252E-1	7.61	±30	Average RF
Bromomethane	50.0	58.6	3.797E-1	4.451E-1	17.23	±30	Average RF
Carbon Disulfide	50.0	47.3	1.126E0	1.066E0	-5.393	±30	Average RF
Carbon Tetrachloride	50.0	53.4	4.153E-1	4.437E-1	6.84	±30	Average RF
Chlorobenzene	50.0	49.9	9.329E-1	9.311E-1	-0.186	±30	Average RF
Chloroethane	50.0	46.5	3.647E-1	3.391E-1	-7.022	±30	Average RF
Chloroform	50.0	48.3	7.739E-1	7.473E-1	-3.440	±30	Average RF
Chloromethane	50.0	53.4	4.398E-1	4.695E-1	6.75	±30	Average RF
Dibromochloromethane	50.0	51.1	3.976E-1	4.064E-1	2.23	±30	Average RF
Dichloromethane	50.0	46.7	4.229E-1	3.947E-1	-6.675	±30	Average RF
Ethylbenzene	50.0	50.1	4.858E-1	4.867E-1	0.193	±30	Average RF
Styrene	50.0	51.7	1.01E0	1.045E0	3.48	±30	Average RF
Tetrachloroethene (PCE)	50.0	50.2	3.035E-1	3.046E-1	0.367	±30	Average RF
Toluene	50.0	51.1	1.236E0	1.264E0	2.24	±30	Average RF
Trichloroethene (TCE)	50.0	51.3	3.367E-1	3.454E-1	2.59	±30	Average RF
Vinyl Chloride	50.0	45.0	5.512E-1	4.964E-1	-9.943	±30	Average RF
cis-1,2-Dichloroethene	50.0	49.0	4.714E-1	4.621E-1	-1.981	±30	Average RF
cis-1,3-Dichloropropene	50.0	52.4	4.849E-1	5.08E-1	4.75	±30	Average RF
m,p-Xylenes	100	102	6.068E-1	6.162E-1	1.53	±30	Average RF
o-Xylene	50.0	50.2	5.96E-1	5.989E-1	0.484	±30	Average RF

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Stantec Consulting Group, Inc. **Service Request:** R2306651
Project: RTP **Calibration Date:** 8/4/2023

Initial Calibration Verification Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC2300106 **Signal ID:** 1
Instrument ID: R-MS-17

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
trans-1,2-Dichloroethene	50.0	48.5	4.3E-1	4.174E-1	-2.935	±30	Average RF
trans-1,3-Dichloropropene	50.0	54.3	4.486E-1	4.872E-1	8.61	±30	Average RF

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
4-Bromofluorobenzene	50.0	50.6	4.583E-1	4.635E-1	1.14	±30	Average RF
Dibromofluoromethane	50.0	51.1	3.307E-1	3.377E-1	2.13	±30	Average RF
Toluene-d8	50.0	50.4	1.203E0	1.212E0	0.733	±30	Average RF

Client: Stantec Consulting Group, Inc. **Service Request:** R2306651
Project: RTP/190500390.465 **Date Analyzed:** 08/05/23 10:44

Continuing Calibration Verification (CCV) Summary
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C **Calibration Date:** 8/4/2023
File ID: I:\ACQUDATA\MSVOA17\Data\080523\E4277.D\ **Calibration ID:** RC2300106
Signal ID: 1 **Analysis Lot:** 812972
Units: ug/L

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
1,1,1-Trichloroethane (TCA)	50.0	45.7	0.7036	0.6435	-8.5	NA	±20	Average RF
1,1,2,2-Tetrachloroethane	50.0	44.2	0.8874	0.784	-11.7	NA	±20	Average RF
1,1,2-Trichloroethane	50.0	46.6	0.2959	0.2756	-6.9	NA	±20	Average RF
1,1-Dichloroethane (1,1-DCA)	50.0	45.9	0.6828	0.6267	-8.2	NA	±20	Average RF
1,1-Dichloroethene (1,1-DCE)	50.0	44.5	0.3792	0.3377	-11.0	NA	±20	Average RF
1,2-Dichloroethane	50.0	46.4	0.4247	0.3941	-7.2	NA	±20	Average RF
1,2-Dichloropropane	50.0	45.9	0.2817	0.2585	-8.3	NA	±20	Average RF
2-Butanone (MEK)	50.0	42.0	0.2741	0.2299	-16.1	NA	±20	Average RF
2-Hexanone	50.0	41.2	0.2986	0.2461	-17.6	NA	±20	Average RF
4-Methyl-2-pentanone	50.0	42.5	0.3596	0.3055	-15.0	NA	±20	Average RF
Acetone	50.0	41.1	0.232	0.1905	-17.9	NA	±20	Average RF
Benzene	50.0	46.5	1.0858	1.0093	-7.0	NA	±20	Average RF
Bromodichloromethane	50.0	45.6	0.4345	0.3965	-8.7	NA	±20	Average RF
Bromoform	50.0	47.1	0.3022	0.2846	-5.8	NA	±20	Average RF
Bromomethane	50.0	47.6	0.3797	0.3616	-4.8	NA	±20	Average RF
Carbon Disulfide	50.0	45.3	1.1263	1.0198	-9.5	NA	±20	Average RF
Carbon Tetrachloride	50.0	47.6	0.4153	0.395	-4.9	NA	±20	Average RF
Chlorobenzene	50.0	45.4	0.9329	0.8475	-9.2	NA	±20	Average RF
Chloroethane	50.0	45.1	0.3647	0.3289	-9.8	NA	±20	Average RF
Chloroform	50.0	44.9	0.7739	0.6952	-10.2	NA	±20	Average RF
Chloromethane	50.0	45.3	0.4398	0.3985	-9.4	NA	±20	Average RF
Dibromochloromethane	50.0	47.0	0.3976	0.374	-5.9	NA	±20	Average RF
Dichloromethane	50.0	44.1	0.4229	0.3728	-11.9	NA	±20	Average RF
Ethylbenzene	50.0	44.3	0.4858	0.4306	-11.4	NA	±20	Average RF
Styrene	50.0	45.4	1.0103	0.9172	-9.2	NA	±20	Average RF
Tetrachloroethene (PCE)	50.0	43.8	0.3035	0.2659	-12.4	NA	±20	Average RF
Toluene	50.0	46.1	1.2364	1.1395	-7.8	NA	±20	Average RF
Trichloroethene (TCE)	50.0	45.6	0.3367	0.3071	-8.8	NA	±20	Average RF
Vinyl Chloride	50.0	45.4	0.5512	0.4999	-9.3	NA	±20	Average RF
cis-1,2-Dichloroethene	50.0	45.2	0.4714	0.4265	-9.5	NA	±20	Average RF
cis-1,3-Dichloropropene	50.0	46.5	0.4849	0.4513	-6.9	NA	±20	Average RF
m,p-Xylenes	100	88.9	0.6068	0.5396	-11.1	NA	±20	Average RF
o-Xylene	50.0	44.3	0.596	0.5283	-11.4	NA	±20	Average RF
trans-1,2-Dichloroethene	50.0	44.1	0.43	0.3794	-11.8	NA	±20	Average RF
trans-1,3-Dichloropropene	50.0	48.0	0.4486	0.4308	-4.0	NA	±20	Average RF

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2306651
Project:	RTP/190500390.465	**Date Analyzed:**	08/05/23 10:44

Continuing Calibration Verification (CCV) Summary
Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	**Calibration Date:**	8/4/2023
File ID:	I:\ACQUDATA\MSVOA17\Data\080523\E4277.D\	**Calibration ID:**	RC2300106
Signal ID:	1	**Analysis Lot:**	812972
		Units:	ug/L

4-Bromofluorobenzene	50.0	48.0	0.4583	0.44	-4.0	NA	±20	Average RF
Dibromofluoromethane	50.0	50.3	0.3307	0.3323	0.5	NA	±20	Average RF
Toluene-d8	50.0	50.4	1.2028	1.2135	0.9	NA	±20	Average RF

Client: Stantec Consulting Group, Inc. **Service Request:** R2306651
Project: RTP/190500390.465 **Date Analyzed:** 08/08/23 10:53

Continuing Calibration Verification (CCV) Summary
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C **Calibration Date:** 8/4/2023
File ID: I:\ACQUDATA\MSVOA17\Data\080823\E4309.D\ **Calibration ID:** RC2300106
Signal ID: 1 **Analysis Lot:** 813163
Units: ug/L

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
1,1,1-Trichloroethane (TCA)	50.0	41.6	0.7036	0.5848	-16.9	NA	±20	Average RF
1,1,2,2-Tetrachloroethane	50.0	43.4	0.8874	0.7706	-13.2	NA	±20	Average RF
1,1,2-Trichloroethane	50.0	44.5	0.2959	0.2632	-11.0	NA	±20	Average RF
1,1-Dichloroethane (1,1-DCA)	50.0	42.6	0.6828	0.5812	-14.9	NA	±20	Average RF
1,1-Dichloroethene (1,1-DCE)	50.0	40.9	0.3792	0.3105	-18.1	NA	±20	Average RF
1,2-Dichloroethane	50.0	44.2	0.4247	0.3751	-11.7	NA	±20	Average RF
1,2-Dichloropropane	50.0	42.5	0.2817	0.2394	-15.0	NA	±20	Average RF
2-Butanone (MEK)	50.0	44.5	0.2741	0.2441	-11.0	NA	±20	Average RF
2-Hexanone	50.0	43.4	0.2986	0.2589	-13.3	NA	±20	Average RF
4-Methyl-2-pentanone	50.0	45.1	0.3596	0.3246	-9.7	NA	±20	Average RF
Acetone	50.0	41.1	0.232	0.1908	-17.7	NA	±20	Average RF
Benzene	50.0	43.2	1.0858	0.938	-13.6	NA	±20	Average RF
Bromodichloromethane	50.0	43.6	0.4345	0.3786	-12.9	NA	±20	Average RF
Bromoform	50.0	45.6	0.3022	0.2756	-8.8	NA	±20	Average RF
Bromomethane	50.0	39.3	0.3797	0.2987	-21.3*	NA	±20	Average RF
Carbon Disulfide	50.0	46.4	1.1263	1.0455	-7.2	NA	±20	Average RF
Carbon Tetrachloride	50.0	42.7	0.4153	0.3544	-14.7	NA	±20	Average RF
Chlorobenzene	50.0	41.8	0.9329	0.7805	-16.3	NA	±20	Average RF
Chloroethane	50.0	42.2	0.3647	0.3078	-15.6	NA	±20	Average RF
Chloroform	50.0	42.1	0.7739	0.6516	-15.8	NA	±20	Average RF
Chloromethane	50.0	41.3	0.4398	0.3631	-17.4	NA	±20	Average RF
Dibromochloromethane	50.0	45.1	0.3976	0.3589	-9.7	NA	±20	Average RF
Dichloromethane	50.0	42.6	0.4229	0.3602	-14.8	NA	±20	Average RF
Ethylbenzene	50.0	39.7	0.4858	0.386	-20.5*	NA	±20	Average RF
Styrene	50.0	42.0	1.0103	0.848	-16.1	NA	±20	Average RF
Tetrachloroethene (PCE)	50.0	38.9	0.3035	0.2359	-22.3*	NA	±20	Average RF
Toluene	50.0	42.2	1.2364	1.043	-15.6	NA	±20	Average RF
Trichloroethene (TCE)	50.0	41.3	0.3367	0.2779	-17.5	NA	±20	Average RF
Vinyl Chloride	50.0	41.7	0.5512	0.4598	-16.6	NA	±20	Average RF
cis-1,2-Dichloroethene	50.0	42.8	0.4714	0.4037	-14.4	NA	±20	Average RF
cis-1,3-Dichloropropene	50.0	43.8	0.4849	0.4243	-12.5	NA	±20	Average RF
m,p-Xylenes	100	80.3	0.6068	0.487	-19.8	NA	±20	Average RF
o-Xylene	50.0	40.7	0.596	0.4846	-18.7	NA	±20	Average RF
trans-1,2-Dichloroethene	50.0	41.2	0.43	0.354	-17.7	NA	±20	Average RF
trans-1,3-Dichloropropene	50.0	45.6	0.4486	0.4094	-8.7	NA	±20	Average RF

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2306651
Project:	RTP/190500390.465	**Date Analyzed:**	08/08/23 10:53

Continuing Calibration Verification (CCV) Summary
Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	**Calibration Date:**	8/4/2023
File ID:	I:\ACQUDATA\MSVOA17\Data\080823\E4309.D\	**Calibration ID:**	RC2300106
Signal ID:	1	**Analysis Lot:**	813163
		Units:	ug/L

4-Bromofluorobenzene	50.0	51.1	0.4583	0.4687	2.3	NA	±20	Average RF
Dibromofluoromethane	50.0	52.1	0.3307	0.3442	4.1	NA	±20	Average RF
Toluene-d8	50.0	51.7	1.2028	1.244	3.4	NA	±20	Average RF

Client: Stantec Consulting Group, Inc. **Service Request:**R2306651
Project: RTP/190500390.465

Analysis Run Log
Volatile Organic Compounds by GC/MS

Analysis Method: **Analysis Lot:**812972
Instrument ID:R-MS-17

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
I:\ACQUDATA\MSVOA17\Data\080523\E4276.D\	ZZZZZZZ	ZZZZZZZ	8/5/2023	10:11:00	
I:\ACQUDATA\MSVOA17\Data\080523\E4277.D\	Continuing Calibration Verification	RQ2309897-02	8/5/2023	10:44:00	
I:\ACQUDATA\MSVOA17\Data\080523\E4278.D\	Lab Control Sample	RQ2309897-03	8/5/2023	11:16:00	
I:\ACQUDATA\MSVOA17\Data\080523\E4281.D\	Method Blank	RQ2309897-04	8/5/2023	12:36:00	
I:\ACQUDATA\MSVOA17\Data\080523\E4282.D\	ZZZZZZZ	ZZZZZZZ	8/5/2023	13:03:00	
I:\ACQUDATA\MSVOA17\Data\080523\E4283.D\	ZZZZZZZ	ZZZZZZZ	8/5/2023	13:26:00	
I:\ACQUDATA\MSVOA17\Data\080523\E4284.D\	ZZZZZZZ	ZZZZZZZ	8/5/2023	13:49:00	
I:\ACQUDATA\MSVOA17\Data\080523\E4285.D\	ZZZZZZZ	ZZZZZZZ	8/5/2023	14:12:00	
I:\ACQUDATA\MSVOA17\Data\080523\E4286.D\	ZZZZZZZ	ZZZZZZZ	8/5/2023	14:35:00	
I:\ACQUDATA\MSVOA17\Data\080523\E4287.D\	ZZZZZZZ	ZZZZZZZ	8/5/2023	14:58:00	
I:\ACQUDATA\MSVOA17\Data\080523\E4288.D\	ZZZZZZZ	ZZZZZZZ	8/5/2023	15:21:00	
I:\ACQUDATA\MSVOA17\Data\080523\E4289.D\	ZZZZZZZ	ZZZZZZZ	8/5/2023	15:44:00	
I:\ACQUDATA\MSVOA17\Data\080523\E4290.D\	ZZZZZZZ	ZZZZZZZ	8/5/2023	16:07:00	
I:\ACQUDATA\MSVOA17\Data\080523\E4292.D\	ZZZZZZZ	ZZZZZZZ	8/5/2023	16:53:00	
I:\ACQUDATA\MSVOA17\Data\080523\E4293.D\	Trip Blank	R2306651-004	8/5/2023	17:16:00	
I:\ACQUDATA\MSVOA17\Data\080523\E4294.D\	RTP-PDW110-GW	R2306651-001	8/5/2023	17:39:00	
I:\ACQUDATA\MSVOA17\Data\080523\E4295.D\	RTP-MW203-GW	R2306651-002	8/5/2023	18:02:00	
I:\ACQUDATA\MSVOA17\Data\080523\E4296.D\	RTP-MW208-GW	R2306651-003	8/5/2023	18:25:00	
I:\ACQUDATA\MSVOA17\Data\080523\E4297.D\	RTP-DUP-GW	R2306651-006	8/5/2023	18:48:00	
I:\ACQUDATA\MSVOA17\Data\080523\E4298.D\	RTP-MW205-GW	R2306651-007	8/5/2023	19:11:00	
I:\ACQUDATA\MSVOA17\Data\080523\E4299.D\	RTP-MW212-GW	R2306651-008	8/5/2023	19:34:00	
I:\ACQUDATA\MSVOA17\Data\080523\E4300.D\	RTP-MW213-GW	R2306651-009	8/5/2023	19:57:00	
I:\ACQUDATA\MSVOA17\Data\080523\E4301.D\	RTP-PDW109-GW	R2306651-005	8/5/2023	20:20:00	

Client: Stantec Consulting Group, Inc. **Service Request:**R2306651
Project: RTP/190500390.465

Analysis Run Log
Volatile Organic Compounds by GC/MS

Analysis Method: **Analysis Lot:**812972
Instrument ID:R-MS-17

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
I:\ACQUDATA\MSVOA17\Data\080523\E4302.D\	RTP-PDW109-GW MS	RQ2309897-05	8/5/2023	20:43:00	
I:\ACQUDATA\MSVOA17\Data\080523\E4303.D\	RTP-PDW109-GW DMS	RQ2309897-06	8/5/2023	21:06:00	

Client: Stantec Consulting Group, Inc. **Service Request:**R2306651
Project: RTP/190500390.465

Analysis Run Log
Volatile Organic Compounds by GC/MS

Analysis Method: **Analysis Lot:**813163
Instrument ID:R-MS-17

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
I:\ACQUDATA\MSVOA17\Data\080823\E4308.D\	ZZZZZZZ	ZZZZZZZ	8/8/2023	10:20:00	
I:\ACQUDATA\MSVOA17\Data\080823\E4309.D\	Continuing Calibration Verification	RQ2309996-02	8/8/2023	10:53:00	
I:\ACQUDATA\MSVOA17\Data\080823\E4310.D\	Lab Control Sample	RQ2309996-03	8/8/2023	11:26:00	
I:\ACQUDATA\MSVOA17\Data\080823\E4311.D\	ZZZZZZZ	ZZZZZZZ	8/8/2023	11:49:00	
I:\ACQUDATA\MSVOA17\Data\080823\E4313.D\	ZZZZZZZ	ZZZZZZZ	8/8/2023	12:43:00	
I:\ACQUDATA\MSVOA17\Data\080823\E4314.D\	Method Blank	RQ2309996-06	8/8/2023	13:06:00	
I:\ACQUDATA\MSVOA17\Data\080823\E4315.D\	ZZZZZZZ	ZZZZZZZ	8/8/2023	13:29:00	
I:\ACQUDATA\MSVOA17\Data\080823\E4316.D\	ZZZZZZZ	ZZZZZZZ	8/8/2023	13:52:00	
I:\ACQUDATA\MSVOA17\Data\080823\E4317.D\	ZZZZZZZ	ZZZZZZZ	8/8/2023	14:15:00	
I:\ACQUDATA\MSVOA17\Data\080823\E4318.D\	ZZZZZZZ	ZZZZZZZ	8/8/2023	14:38:00	
I:\ACQUDATA\MSVOA17\Data\080823\E4319.D\	ZZZZZZZ	ZZZZZZZ	8/8/2023	15:01:00	
I:\ACQUDATA\MSVOA17\Data\080823\E4320.D\	ZZZZZZZ	ZZZZZZZ	8/8/2023	15:24:00	
I:\ACQUDATA\MSVOA17\Data\080823\E4324.D\	ZZZZZZZ	ZZZZZZZ	8/8/2023	16:57:00	
I:\ACQUDATA\MSVOA17\Data\080823\E4325.D\	ZZZZZZZ	ZZZZZZZ	8/8/2023	17:20:00	
I:\ACQUDATA\MSVOA17\Data\080823\E4326.D\	ZZZZZZZ	ZZZZZZZ	8/8/2023	17:43:00	
I:\ACQUDATA\MSVOA17\Data\080823\E4327.D\	ZZZZZZZ	ZZZZZZZ	8/8/2023	18:06:00	
I:\ACQUDATA\MSVOA17\Data\080823\E4328.D\	ZZZZZZZ	ZZZZZZZ	8/8/2023	18:29:00	
I:\ACQUDATA\MSVOA17\Data\080823\E4329.D\	ZZZZZZZ	ZZZZZZZ	8/8/2023	18:52:00	
I:\ACQUDATA\MSVOA17\Data\080823\E4330.D\	ZZZZZZZ	ZZZZZZZ	8/8/2023	19:15:00	
I:\ACQUDATA\MSVOA17\Data\080823\E4332.D\	RTP-PDW110-GW	R2306651-001	8/8/2023	20:01:00	
I:\ACQUDATA\MSVOA17\Data\080823\E4333.D\	RTP-MW203-GW	R2306651-002	8/8/2023	20:24:00	
I:\ACQUDATA\MSVOA17\Data\080823\E4334.D\	RTP-MW205-GW	R2306651-007	8/8/2023	20:47:00	
I:\ACQUDATA\MSVOA17\Data\080823\E4335.D\	ZZZZZZZ	ZZZZZZZ	8/8/2023	21:10:00	

Client: Stantec Consulting Group, Inc. **Service Request:**R2306651
Project: RTP/190500390.465

Analysis Run Log
Volatile Organic Compounds by GC/MS

Analysis Method: **Analysis Lot:**813163
Instrument ID:R-MS-17

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
I:\ACQUDATA\MSVOA17\Data\080823 \E4336.D\	ZZZZZZZ	ZZZZZZZ	8/8/2023	21:33:00	

Analysis: 8260D waters | Analyst: KDuest | pH strips: 228022 | Tune Method: W080423

Date: 8/5/23 | Balance ID: N/A | ResCl strips: N/A | Run Method: ↓

Instr. 17 | 50 mL Class A used for dilution FV | Syringes: 217826 | LIMS Run#: 812972

Data Path: j:\acqudata\msvoa(InstID)\(Date)

Pos.	Sample	Diln.	Diln. Prep./	RL	Vial	HS	Cl	pH	File#	OK?	Comments
1	BLK								EY374		
2	↓								EY375		
3	TUNE		R2309897.01						EY376	Y	(auto) 10:11
4	CCV		02						EY377	Y	
5	LCS.FP		03						EY378	Y	
6	BLK		=						EY379	(Y)	rpt to 1.0
7	MBLK.LMP		=						EY380	Y	
8	MBLK.FP		↓ 04						EY381	Y	
1	R2306746.002	1.0		8539	1	N	NA	22	~~EY382~~	Y	EY382
2	001	1.0			1			22	~~EY383~~	Y	EY383
3	003	1.0			1			22	~~EY384~~	Y	~~EY384~~ (RL)
4	004	1.0			1			22	~~EY385~~	Y	EY385
5	005	1.0			1			22	~~EY386~~	Y	EY386
6	010	1.0			1			22	EY387	Y	
7	011	1.0			1			22	EY388	Y	
8	012	1.0			1			22	EY389	Y	
9	013	1.0			1			22	EY390	Y	
10	009	2.0	25/50mls		1			22	EY391	(Y)	rpt 1.0
11	014	500	1/500 mls	↓	1			22	EY392	Y	
12	R2306651.004	1.0		6368	1			22	EY393	Y	
13	001	1.0			1			22	EY394	(Y)	rpt 25 TCE
14	002	1.0			1			22	EY395	(Y)	rpt 5 TCE
15	003	1.0			1			22	EY396	(Y)	~~rpt pos c/o~~ (RL) Y.01C
16	006	1.0			1			22	EY397	Y	
17	007	5.0	10/50mls		1			22	EY398	(Y)	rpt 10 TCE
18	008	1.0			1			22	EY399	Y	
19	009	1.0			1			22	EY400	Y	
20	005	1.0			1			22	EY401	Y	
21	MS 005	1.0			2			22	EY402	Y	
22	MSD 005	1.0		↓	3	↓		22	EY403	Y	21:06 ✓ (auto)
23	BLK							22	EY404	–	
24	↓						↓	–	EY405	–	

All samples = 5 mL + 5 uL combined IS/ 5 mL purged

Combined IS/Surr :

Surrogate 50 : 230436

Internal Std 50 : 230437

Reagents:

500 Primary OCL : 229701

Primary Fr : 230205

Primary TB : 230438 | 5mL → 50mls

Primary HSL : 230439 | = CCV

Primary 230 : 230450

TT

300 Secondary Fr : 230374 · 5mL

500 Secondary OCL : 229787

Secondary TB : 230452 | 2mL

Secondary HSL : 230715 | 50mls = LCS

Secondary 230 : 230451

TT

– 10.6mL

4.3mL

✓

4.3mL vial = MS/D

Analysis: 8260D+624 | Analyst: LCQuest | pH strips: 228022 | Tune Method: W080423

Date: 8/8/23 | Balance ID: N/A | ResCl strips: 022321E | Run Method: ↓

Instr. 17 | 50 mL Class A used for dilution FV | Syringes: 217826 | LIMS Run#: 813163

Data Path: j:\acqudata\msvoa(InstID)\(Date)

Pos.	Sample	Diln.	Diln. Prep./	RL	Vial	HS	Cl	pH	File#	OK?	Comments
1	BLK								EV306		
2	↓								EV307		
3	TUNE		RQ2309996.01						EV308	YT	(auto) 10:20
1	CCV		02						EV309	YC	
1	LCS.FP		03						EV310	YD	
2	LCS.ump		04						EV311	YD	
1	BLK		—						EV312	N	npt c/o
2	MBLK.ump		05						EV313	YB	
3	MBLK.FP		06						EV314	YB	
4	R2307093.003	1.0		13189	1	N	neg	4	EV315	Y	
5	↓ 001	1.0		↓	1	N	neg	7	EV316	Y	
6	R2307016.001	5.0	10/50mls (KR) 11866	13189	C-1	N	neg	8	EV317	Y	Foamy sample
7	R2306889.006	1.0		15551	1	N	neg	7	EV318	Y	
8	002	1.0			1	N	neg	8	EV319	Y	
9	001	2.5	20/50mls		1	N	neg	7	EV320	Y	
10	(RE) 003	2.5	(5.0) 10/50mls		1	N	neg	7	EV321	Y	npt (5) TCE npt (10) (N) possible mix-up (KR)
11	005	2.5	↓		1	N	—	—	EV322	N	npt (10)
12	↓ 004	5.0	10/50mls	↓	1	N	—	—	EV323	N	npt (10)
13	R2306969.001	1.0		18181	1	N	neg	6	EV324	Y	
14	R2306986.001	5.0	10/50mls	18199	C-1	N	neg	5	EV325	Y	foamy
15	R2307038.001	1.0		25865	C-1	N	neg	7	EV326	Y	
16	↓ 002	1.0		↓	1	N	neg	7	EV327	Y	
17	R2306929.002	1.0		6080	1	N	neg	12	EV328	Y	
18	R2306899.004	1.0		15551	2	N	neg	8	EV329	N	?. vial discrep. npt (5)?
19	↓ 005	1.0		↓	2	N	neg	8	EV330	Y	
20	↓ 003	10	5/50mls	↓	2	N	neg	7	EV331	N	(RE) TCE ?. vial discrep npt (10)? (KR)
21	R2306051.001	25	2/50mls	6365	2	N	NA	12	EV332	N	↓ ↓
22	002	5.0	10/50mls	↓	2	N	↓	12	EV333	N	Run QC
23	↓ 007	10	5/50mls	↓	2	N	↓	12	EV334	N	↓ 21:33 ✓
24	R2306969.001	1.0	MS	18181	3	N	neg	6	EV335	YB	
25	↓ 001	1.0	MSD	↓	4	N	neg	6	EV336	YB	
26	BLK			—					EV337	—	

All samples = 5 mL + 5 uL combined IS/ 5 mL purged

Combined IS/Surr :

Surrogate 50 : 230436

Internal Std 50 : 230437

Reagents:

50 Primary OCC : 229701

Primary fr : 230205

Primary TB : 230438 → 5mls = CCV

Primary HSL : 230439

Primary 826 : 230450

JT

200 Secondary fr : 230374 · 5uL

500 Secondary OCC : 229787

Secondary TB : 230452 2nd → 50mls − 43uL = LCS

Secondary HSL : 230015

Secondary 826 : 230451

JT

43uL vial = MS/D

August 11, 2023 Service Request No:R2306651

Mr. Michael Storonsky
Stantec Consulting Group, Inc.
61 Commercial St.
Rochester, NY 14614

Laboratory Results for: RTP

Dear Mr.Storonsky,

Enclosed are the results of the sample(s) submitted to our laboratory July 26, 2023
For your reference, these analyses have been assigned our service request number **R2306651.**

All testing was performed according to our laboratory's quality assurance program and met the requirements of the TNI standards except as noted in the case narrative report. Any testing not included in the lab's accreditation is identified on a Non-Certified Analytes report. All results are intended to be considered in their entirety. ALS Environmental is not responsible for use of less than the complete report. Results apply only to the individual samples submitted to the lab for analysis, as listed in the report. The measurement uncertainty of the results included in this report is within that expected when using the prescribed method(s), and represented by Laboratory Control Sample control limits. Any events, such as QC failures or Holding Time exceedances, which may add to the uncertainty are explained in the report narrative or are flagged with qualifiers. The flags are explained in the Report Qualifiers and Definitions page of this report.

Please contact me if you have any questions. My extension is 7476. You may also contact me via email at Chris.Leavy@alsglobal.com.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental

Christopher Leavy
Project Manager

ADDRESS 1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
PHONE +1 585 288 5380 | FAX +1 585 288 8475
ALS Group USA, Corp.
dba ALS Environmental

Narrative Documents

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client: Stantec Consulting Group, Inc.
Project: RTP
Sample Matrix: Water

Service Request: R2306651
Date Received: 07/26/2023

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples for the Tier level IV requested by the client.

Sample Receipt:

Nine water samples were received for analysis at ALS Environmental on 07/26/2023. Any discrepancies upon initial sample inspection are annotated on the sample receipt and preservation form included within this report. The samples were stored at minimum in accordance with the analytical method requirements.

Volatiles by GC/MS:

Method 8260C, 08/08/2023: The lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.

Approved by _____ Date 08/11/2023

Sample Receipt Information

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client: Stantec Consulting Group, Inc. **Service Request:**R2306651
Project: RTP/190500390.465

SAMPLE CROSS-REFERENCE

SAMPLE #	CLIENT SAMPLE ID	DATE	TIME
R2306651-001	RTP-PDW110-GW	7/25/2023	1204
R2306651-002	RTP-MW203-GW	7/25/2023	1405
R2306651-003	RTP-MW208-GW	7/25/2023	1520
R2306651-004	Trip Blank	7/25/2023	
R2306651-005	RTP-PDW109-GW	7/26/2023	1034
R2306651-006	RTP-DUP-GW	7/26/2023	1200
R2306651-007	RTP-MW205-GW	7/26/2023	1211
R2306651-008	RTP-MW212-GW	7/26/2023	1357
R2306651-009	RTP-MW213-GW	7/26/2023	1515

Chain of Custody / Analytical Request Form

70669

SR#:

1565 Jefferson Road, Building 300, Suite 360 • Rochester, NY 14623 • +1 585 288 5380 • alsglobal.com

Page | of |

Report To:	ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER
Company: Stantec	Project Name: RTP
Contact: Rose Richelsen	Project Number: 190500390.465
Email: rose.richelsen@stantec.com	ALS Quote #:
Phone: 585-733-2921	Sampler's Signature: Rose R
Address: 61 Commercial St, Suite 100, Rochester, NY 14614	Email CC: Kate.Audino@Stantec.com
	Email CC:
	State Samples Collected (Circle or Write): (NY), MA, PA, CT, Other:

Preservative: 1

Matrix: GW, WW, SW, DW, S, L, NA

Lab ID (ALS)	Sample Collection Information: Sample ID:	Date	Time	Matrix	Number of Containers	MS/MSD?	GC/MS VOA - 8260•624•524•TCLP (TCL-51)	GC/MS SVOA - 8270 • 625 • TCLP	Pesticides - 8081 • 608 • TCLP	PCBs - 8082 • 608	Herbicides - 8151 • TCLP	Metals, Total - Select Below	Metals, Dissolved - Field / In-Lab Filter	Notes:
	RTP-PDW110-GW	7/25/23	1204	GW	3	N	X							1
	RTP-MW203-GW	7/25/23	1405	GW	3	N	X							2
	RTP-MW208-GW	7/25/23	1520	GW	3	N	X							3
	TripBlank	n/a	n/a	W	3	N	X							
	RTP-PDW109-GW	7/26/23	1034	GW	9	Y	X							
	RTP-DUP-GW	7/26/23	1200	GW	3	N	X							
	RTP-MW205-GW	7/26/23	1211	GW	3	N	X							
	RTP-MW212-GW	7/26/23	1357	GW	3	N	X							
	RTP-MW213-GW	7/26/23	1515	GW	3	N	X							

0. None
1. HCl
2. HNO3
3. H2SO4
4. NAOH
5. Zn Acet.
6. MeOH
7. NaHSO4
8. Other

Special Instructions / Comments:

NYSDEC Equis EDD and Stantec Equis 4 file EFWEDD

Turnaround Requirements

____Rush (Surcharges Apply)
Subject to Availability
Please Check with your PM
X Standard (10 Business Days)
Date Required:

Report Requirements

X Tier II/Cat A -Results/QC
X Tier IV/Cat B - Data Validation Report w/. Data
EDD: X Yes ____No
EDD Type: Cat B Equis EDD

Metals: RCRA 8•PP 13•TAL 23•TCLP•Other (List)

VOA/SVOA Report List: TCL • BTEX • TCLP • CP-51/Stars •THM • Other: _____

Invoice To: (X) Same as Report To)

PO #:
Company:
Contact:
Email:

	Relinquished By:	Received By:	Relinquished By:	Received By:	Relinquished By:	Received By:
Signature	Rose R	Sarah Schweitzer				
Printed Name	Rose Richelsen	Sarah Schweitzer				
Company	Stantec	ALS				
Date/Time	7/26/23 / 16:12	7/26/23 16:12				

R2306651 5
Stantec Consulting Group, Inc.
RTP

Distribution: White - Lab Copy; Yellow - Return to Originator

R2306651 5
Stantec Consulting Group, Inc.
RTP

Cooler Receipt and Preservation Check Form

Project/Client Stantec Folder Number

Cooler received on 7/26/23 by: SES

COURIER: ALS UPS FEDEX VELOCITY (CLIENT)

1	Were **Custody seals** on outside of cooler?	(Y)	N
2	**Custody papers** properly completed (ink, signed)?	(Y)	N
3	Did all bottles arrive in good **condition** (unbroken)?	(Y)	N
4	Circle: (Wet Ice) **Dry Ice Gel packs** present?	(Y)	N

5a	**Perchlorate** samples have required headspace?	Y	N	(NA)
5b	Did (VOA vials, Alk, or Sulfide have sig* **bubbles**?	(Y)	N	NA **
6	Where did the bottles originate?	(ALS/ROC)	CLIENT	
7	Soil VOA received as: Bulk Encore 5035set	(NA)		

8. Temperature Readings Date: 7/26/23 Time: 1614 ID: (IR#12) IR#11 From: (Temp Blank) Sample Bottle

Observed Temp (°C)	15.8						
Within 0-6°C?	Y (N)	Y N	Y N	Y N	Y N	Y N	Y N
If <0°C, were samples frozen?	Y N	Y N	Y N	Y N	Y N	Y N	Y N

If out of Temperature, note packing/ice condition: _____ Ice melted * (Poorly Packed (described below) Same Day Rule

&Client Approval to Run Samples: _____ Standing Approval Client aware at drop-off Client notified by: _____

All samples held in storage location: R002 by SES on 7/26/23 at 1618

5035 samples placed in storage location: _____ by _____ on _____ at _____ within 48 hours of sampling? Y N

Cooler Breakdown/Preservation Check**: Date: 7/27/23 Time: 1730 by: SES.

9. Were all bottle labels complete (*i.e.* analysis, preservation, etc.)? (YES) NO
10. Did all bottle labels and tags agree with custody papers? (YES) NO
11. Were correct containers used for the tests indicated? (YES) NO
12. Were 5035 vials acceptable (no extra labels, not leaking)? YES NO (N/A)
13. Were dissolved metals filtered in the field? YES NO (N/A)
14. Air Samples: Cassettes / Tubes Intact Y / N with MS Y / N Canisters Pressurized Tedlar® Bags Inflated (N/A)

pH	Lot of test paper	Reagent	Preserved? Yes	Preserved? No	Lot Received	Exp	Sample ID Adjusted	Vol. Added	Lot Added	Final pH
≥12		NaOH								
≤2		HNO_3								
≤2		H_2SO_4								
<4		$NaHSO_4$								
5-9		For 608pest			No=Notify for 3day					
Residual Chlorine (-)		For CN, Phenol, 625, 608pest, 522			If +, contact PM to add $Na_2S_2O_3$ (625, 608, CN), ascorbic (phenol).					
		$Na_2S_2O_3$								
		ZnAcetate	-	-						
		HCl	**	**	22080153	6/25				

**VOAs and 1664 Not to be tested before analysis. Otherwise, all bottles of all samples with chemical preservatives are checked (not just representatives).

Bottle lot numbers: 022023-3AXH

Explain all Discrepancies/ Other Comments:

*only ice on top of samples

**sig. bubbles: 1 vial RTP-MSD-GW

HPROD	BULK
HTR	FLDT
SUB	HGFB
ALS	LL3541

Labels secondary reviewed by: SES.

PC Secondary Review: _____

*significant air bubbles: VOA > 5-6 mm : WC >1 in. diameter

ALS Group USA, Corp.
dba ALS Environmental

Internal Chain of Custody Report

Client: Stantec Consulting Group, Inc. **Service Request:** R2306651
Project: RTP/190500390.465

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R2306651-001.01					
		7/27/2023	1729	SMO / GESMERIAN	
		7/27/2023	1729	R-001 / GESMERIAN	
R2306651-001.02					
	8260C				
		7/27/2023	1729	SMO / GESMERIAN	
		7/27/2023	1729	R-001 / GESMERIAN	
		8/8/2023	1228	In Lab / KRUEST	
		8/8/2023	1242	R-001-S07 / KRUEST	
R2306651-001.03					
	8260C				
		7/27/2023	1729	SMO / GESMERIAN	
		7/27/2023	1729	R-001 / GESMERIAN	
		8/5/2023	1238	In Lab / KRUEST	
		8/5/2023	1253	R-001-S07 / KRUEST	
R2306651-002.01					
		7/27/2023	1729	SMO / GESMERIAN	
		7/27/2023	1729	R-001 / GESMERIAN	
R2306651-002.02					
	8260C				
		7/27/2023	1729	SMO / GESMERIAN	
		7/27/2023	1729	R-001 / GESMERIAN	
		8/8/2023	1228	In Lab / KRUEST	
		8/8/2023	1242	R-001-S07 / KRUEST	
R2306651-002.03					
	8260C				
		7/27/2023	1729	SMO / GESMERIAN	
		7/27/2023	1729	R-001 / GESMERIAN	
		8/5/2023	1238	In Lab / KRUEST	
		8/5/2023	1253	R-001-S07 / KRUEST	
R2306651-003.01					
		7/27/2023	1729	SMO / GESMERIAN	
		7/27/2023	1729	R-001 / GESMERIAN	
R2306651-003.02					
		7/27/2023	1729	SMO / GESMERIAN	
		7/27/2023	1729	R-001 / GESMERIAN	
R2306651-003.03					

ALS Group USA, Corp.
dba ALS Environmental

Internal Chain of Custody Report

Client: Stantec Consulting Group, Inc. **Service Request:** R2306651
Project: RTP/190500390.465

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
	8260C				
		7/27/2023	1729	SMO / GESMERIAN	
		7/27/2023	1729	R-001 / GESMERIAN	
		8/5/2023	1238	In Lab / KRUEST	
		8/5/2023	1253	R-001-S07 / KRUEST	
R2306651-004.01					
		7/27/2023	1729	SMO / GESMERIAN	
		7/27/2023	1729	R-001 / GESMERIAN	
R2306651-004.02					
		7/27/2023	1729	SMO / GESMERIAN	
		7/27/2023	1729	R-001 / GESMERIAN	
R2306651-004.03					
	8260C				
		7/27/2023	1729	SMO / GESMERIAN	
		7/27/2023	1729	R-001 / GESMERIAN	
		8/5/2023	1238	In Lab / KRUEST	
R2306651-005.01					
		7/27/2023	1729	SMO / GESMERIAN	
		7/27/2023	1729	R-001 / GESMERIAN	
R2306651-005.02					
		7/27/2023	1729	SMO / GESMERIAN	
		7/27/2023	1729	R-001 / GESMERIAN	
R2306651-005.03					
	8260C				
		7/27/2023	1729	SMO / GESMERIAN	
		7/27/2023	1729	R-001 / GESMERIAN	
		8/5/2023	1238	In Lab / KRUEST	
		8/5/2023	1253	R-001-S07 / KRUEST	
R2306651-005.04					
		7/27/2023	1729	SMO / GESMERIAN	
		7/27/2023	1729	R-001 / GESMERIAN	
R2306651-005.05					
		7/27/2023	1729	SMO / GESMERIAN	
		7/27/2023	1729	R-001 / GESMERIAN	

ALS Group USA, Corp.
dba ALS Environmental

Internal Chain of Custody Report

Client: Stantec Consulting Group, Inc. **Service Request:** R2306651
Project: RTP/190500390.465

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R2306651-005.06					
		7/27/2023	1729	SMO / GESMERIAN	
		7/27/2023	1729	R-001 / GESMERIAN	
R2306651-005.07					
		7/27/2023	1729	SMO / GESMERIAN	
		7/27/2023	1729	R-001 / GESMERIAN	
R2306651-005.08					
		7/27/2023	1729	SMO / GESMERIAN	
		7/27/2023	1729	R-001 / GESMERIAN	
R2306651-005.09					
		7/27/2023	1729	SMO / GESMERIAN	
		7/27/2023	1729	R-001 / GESMERIAN	
R2306651-006.01					
		7/27/2023	1729	SMO / GESMERIAN	
		7/27/2023	1729	R-001 / GESMERIAN	
R2306651-006.02					
		7/27/2023	1729	SMO / GESMERIAN	
		7/27/2023	1729	R-001 / GESMERIAN	
R2306651-006.03					
	8260C				
		7/27/2023	1729	SMO / GESMERIAN	
		7/27/2023	1729	R-001 / GESMERIAN	
		8/5/2023	1238	In Lab / KRUEST	
		8/5/2023	1253	R-001-S07 / KRUEST	
R2306651-007.01					
		7/27/2023	1729	SMO / GESMERIAN	
		7/27/2023	1729	R-001 / GESMERIAN	
R2306651-007.02					
	8260C				
		7/27/2023	1729	SMO / GESMERIAN	
		7/27/2023	1729	R-001 / GESMERIAN	
		8/8/2023	1228	In Lab / KRUEST	
		8/8/2023	1242	R-001-S07 / KRUEST	

ALS Group USA, Corp.
dba ALS Environmental

Internal Chain of Custody Report

Client: Stantec Consulting Group, Inc. **Service Request:** R2306651
Project: RTP/190500390.465

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R2306651-007.03					
	8260C				
		7/27/2023	1729	SMO / GESMERIAN	
		7/27/2023	1729	R-001 / GESMERIAN	
		8/5/2023	1238	In Lab / KRUEST	
		8/5/2023	1253	R-001-S07 / KRUEST	
R2306651-008.01					
		7/27/2023	1729	SMO / GESMERIAN	
		7/27/2023	1729	R-001 / GESMERIAN	
R2306651-008.02					
		7/27/2023	1729	SMO / GESMERIAN	
		7/27/2023	1729	R-001 / GESMERIAN	
R2306651-008.03					
	8260C				
		7/27/2023	1729	SMO / GESMERIAN	
		7/27/2023	1729	R-001 / GESMERIAN	
		8/5/2023	1238	In Lab / KRUEST	
		8/5/2023	1253	R-001-S07 / KRUEST	
R2306651-009.01					
		7/27/2023	1729	SMO / GESMERIAN	
		7/27/2023	1729	R-001 / GESMERIAN	
R2306651-009.02					
		7/27/2023	1729	SMO / GESMERIAN	
		7/27/2023	1729	R-001 / GESMERIAN	
R2306651-009.03					
	8260C				
		7/27/2023	1729	SMO / GESMERIAN	
		7/27/2023	1729	R-001 / GESMERIAN	
		8/5/2023	1238	In Lab / KRUEST	
		8/5/2023	1253	R-001-S07 / KRUEST	

Miscellaneous Forms

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

REPORT QUALIFIERS AND DEFINITIONS

U	Analyte was analyzed for but not detected. The sample quantitation limit has been corrected for dilution and for percent moisture, unless otherwise noted in the case narrative.
J	Estimated value due to either being a Tentatively Identified Compound (TIC) or that the concentration is between the MRL and the MDL. Concentrations are not verified within the linear range of the calibration. For DoD: concentration >40% difference between two GC columns (pesticides/Arclors).
B	Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.
E	Inorganics- Concentration is estimated due to the serial dilution was outside control limits.
E	Organics- Concentration has exceeded the calibration range for that specific analysis.
D	Concentration is a result of a dilution, typically a secondary analysis of the sample due to exceeding the calibration range or that a surrogate has been diluted out of the sample and cannot be assessed.
*	Indicates that a quality control parameter has exceeded laboratory limits. Under the "Notes" column of the Form I, this qualifier denotes analysis was performed out of Holding Time.
H	Analysis was performed out of hold time for tests that have an "immediate" hold time criteria.
#	Spike was diluted out.
+	Correlation coefficient for MSA is <0.995.
N	Inorganics- Matrix spike recovery was outside laboratory limits.
N	Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.
S	Concentration has been determined using Method of Standard Additions (MSA).
W	Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.
P	Concentration >40% difference between the two GC columns.
C	Confirmed by GC/MS
Q	DoD reports: indicates a pesticide/Aroclor is not confirmed (≥100% Difference between two GC columns).
X	See Case Narrative for discussion.
MRL LOQ	Method Reporting Limit. Also known as: Limit of Quantitation (LOQ) The lowest concentration at which the method analyte may be reliably quantified under the method conditions.
MDL	Method Detection Limit. A statistical value derived from a study designed to provide the lowest concentration that will be detected 99% of the time. Values between the MDL and MRL are estimated (see J qualifier).
LOD	Limit of Detection. A value at or above the MDL which has been verified to be detectable.
ND	Non-Detect. Analyte was not detected at the concentration listed. Same as U qualifier.

Rochester Lab ID # for State Accreditations[1]

NELAP States
Florida ID # E87674
New Hampshire ID # 2941
New York ID # 10145
Pennsylvania ID# 68-786
Virginia #460167

Non-NELAP States
Connecticut ID #PH0556
Delaware Approved
Maine ID #NY01587
North Carolina #36701
North Carolina #676
Rhode Island LAO00333

[1] Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state or agency requirements. The test results meet requirements of the current NELAP/TNI standards or state or agency requirements, where applicable, except as noted in the case narrative. Since not all analyte/method/matrix combinations are offered for state/NELAC accreditation, this report may contain results which are not accredited. For a specific list of accredited analytes, contact the laboratory or go to https://www.alsglobal.com/locations/americas/north-america/usa/new-york/rochester-environmental

ALS Laboratory Group

Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

Client: Stantec Consulting Group, Inc. **Service Request:** R2306651
Project: RTP/190500390.465

Sample Name: RTP-PDW110-GW **Date Collected:** 07/25/23
Lab Code: R2306651-001 **Date Received:** 07/26/23
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Sample Name: RTP-PDW110-GW **Date Collected:** 07/25/23
Lab Code: R2306651-001.R01 **Date Received:** 07/26/23
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Sample Name: RTP-MW203-GW **Date Collected:** 07/25/23
Lab Code: R2306651-002 **Date Received:** 07/26/23
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Sample Name: RTP-MW203-GW **Date Collected:** 07/25/23
Lab Code: R2306651-002.R01 **Date Received:** 07/26/23
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Sample Name: RTP-MW208-GW **Date Collected:** 07/25/23
Lab Code: R2306651-003 **Date Received:** 07/26/23
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Client: Stantec Consulting Group, Inc. **Service Request:** R2306651
Project: RTP/190500390.465

Sample Name: Trip Blank **Date Collected:** 07/25/23
Lab Code: R2306651-004 **Date Received:** 07/26/23
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Sample Name: RTP-PDW109-GW **Date Collected:** 07/26/23
Lab Code: R2306651-005 **Date Received:** 07/26/23
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Sample Name: RTP-DUP-GW **Date Collected:** 07/26/23
Lab Code: R2306651-006 **Date Received:** 07/26/23
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Sample Name: RTP-MW205-GW **Date Collected:** 07/26/23
Lab Code: R2306651-007 **Date Received:** 07/26/23
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Sample Name: RTP-MW205-GW **Date Collected:** 07/26/23
Lab Code: R2306651-007.R01 **Date Received:** 07/26/23
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2306651
Project:	RTP/190500390.465		

Sample Name:	RTP-MW212-GW	**Date Collected:**	07/26/23
Lab Code:	R2306651-008	**Date Received:**	07/26/23
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Sample Name:	RTP-MW213-GW	**Date Collected:**	07/26/23
Lab Code:	R2306651-009	**Date Received:**	07/26/23
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

The preparation methods associated with this report are found in these tables unless discussed in the case narrative.

Water/Liquid Matrix

Analytical Method	Preparation Method
200.7	200.2
200.8	200.2
6010C	3005A/3010A
6020A	ILM05.3
9034 Sulfide Acid Soluble	9030B
SM 4500-CN-E Residual Cyanide	SM 4500-CN-G
SM 4500-CN-E WAD Cyanide	SM 4500-CN-I

Solid/Soil/Non-Aqueous Matrix

Analytical Method	Preparation Method
6010C	3050B
6020A	3050B
6010C TCLP (1311) extract	3005A/3010A
6010 SPLP (1312) extract	3005A/3010A
7199	3060A
300.0 Anions/ 350.1/ 353.2/ SM 2320B/ SM 5210B/ 9056A Anions	DI extraction
For analytical methods not listed, the preparation method is the same as the analytical method reference.	

Sample Results

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Volatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2306651
Project:	RTP/190500390.465	**Date Collected:**	07/25/23 12:04
Sample Matrix:	Water	**Date Received:**	07/26/23 16:12
Sample Name:	RTP-PDW110-GW	**Units:**	ug/L
Lab Code:	R2306651-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result		MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0	U	5.0	1	08/05/23 17:39	
1,1,2,2-Tetrachloroethane	5.0	U	5.0	1	08/05/23 17:39	
1,1,2-Trichloroethane	5.0	U	5.0	1	08/05/23 17:39	
1,1-Dichloroethane (1,1-DCA)	**45**		5.0	1	08/05/23 17:39	
1,1-Dichloroethene (1,1-DCE)	**8.5**		5.0	1	08/05/23 17:39	
1,2-Dichloroethane	5.0	U	5.0	1	08/05/23 17:39	
1,2-Dichloropropane	5.0	U	5.0	1	08/05/23 17:39	
2-Butanone (MEK)	10	U	10	1	08/05/23 17:39	
2-Hexanone	10	U	10	1	08/05/23 17:39	
4-Methyl-2-pentanone	10	U	10	1	08/05/23 17:39	
Acetone	10	U	10	1	08/05/23 17:39	
Benzene	5.0	U	5.0	1	08/05/23 17:39	
Bromodichloromethane	5.0	U	5.0	1	08/05/23 17:39	
Bromoform	5.0	U	5.0	1	08/05/23 17:39	
Bromomethane	5.0	U	5.0	1	08/05/23 17:39	
Carbon Disulfide	10	U	10	1	08/05/23 17:39	
Carbon Tetrachloride	5.0	U	5.0	1	08/05/23 17:39	
Chlorobenzene	5.0	U	5.0	1	08/05/23 17:39	
Chloroethane	5.0	U	5.0	1	08/05/23 17:39	
Chloroform	5.0	U	5.0	1	08/05/23 17:39	
Chloromethane	5.0	U	5.0	1	08/05/23 17:39	
Dibromochloromethane	5.0	U	5.0	1	08/05/23 17:39	
Dichloromethane	5.0	U	5.0	1	08/05/23 17:39	
Ethylbenzene	5.0	U	5.0	1	08/05/23 17:39	
Styrene	5.0	U	5.0	1	08/05/23 17:39	
Tetrachloroethene (PCE)	5.0	U	5.0	1	08/05/23 17:39	
Toluene	5.0	U	5.0	1	08/05/23 17:39	
Trichloroethene (TCE)	**1800**	**E**	5.0	1	08/05/23 17:39	
Vinyl Chloride	5.0	U	5.0	1	08/05/23 17:39	
cis-1,2-Dichloroethene	**56**		5.0	1	08/05/23 17:39	
cis-1,3-Dichloropropene	5.0	U	5.0	1	08/05/23 17:39	
m,p-Xylenes	5.0	U	5.0	1	08/05/23 17:39	
o-Xylene	5.0	U	5.0	1	08/05/23 17:39	
trans-1,2-Dichloroethene	**78**		5.0	1	08/05/23 17:39	
trans-1,3-Dichloropropene	5.0	U	5.0	1	08/05/23 17:39	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	85 - 122	08/05/23 17:39	
Dibromofluoromethane	101	80 - 116	08/05/23 17:39	
Toluene-d8	101	87 - 121	08/05/23 17:39	

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2306651
Project:	RTP/190500390.465	**Date Collected:**	07/25/23 12:04
Sample Matrix:	Water	**Date Received:**	07/26/23 16:12
Sample Name:	RTP-PDW110-GW	**Units:**	ug/L
Lab Code:	R2306651-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	130 U	130	25	08/08/23 20:01	
1,1,2,2-Tetrachloroethane	130 U	130	25	08/08/23 20:01	
1,1,2-Trichloroethane	130 U	130	25	08/08/23 20:01	
1,1-Dichloroethane (1,1-DCA)	130 U	130	25	08/08/23 20:01	
1,1-Dichloroethene (1,1-DCE)	130 U	130	25	08/08/23 20:01	
1,2-Dichloroethane	130 U	130	25	08/08/23 20:01	
1,2-Dichloropropane	130 U	130	25	08/08/23 20:01	
2-Butanone (MEK)	250 U	250	25	08/08/23 20:01	
2-Hexanone	250 U	250	25	08/08/23 20:01	
4-Methyl-2-pentanone	250 U	250	25	08/08/23 20:01	
Acetone	250 U	250	25	08/08/23 20:01	
Benzene	130 U	130	25	08/08/23 20:01	
Bromodichloromethane	130 U	130	25	08/08/23 20:01	
Bromoform	130 U	130	25	08/08/23 20:01	
Bromomethane	130 U	130	25	08/08/23 20:01	
Carbon Disulfide	250 U	250	25	08/08/23 20:01	
Carbon Tetrachloride	130 U	130	25	08/08/23 20:01	
Chlorobenzene	130 U	130	25	08/08/23 20:01	
Chloroethane	130 U	130	25	08/08/23 20:01	
Chloroform	130 U	130	25	08/08/23 20:01	
Chloromethane	130 U	130	25	08/08/23 20:01	
Dibromochloromethane	130 U	130	25	08/08/23 20:01	
Dichloromethane	130 U	130	25	08/08/23 20:01	
Ethylbenzene	130 U	130	25	08/08/23 20:01	
Styrene	130 U	130	25	08/08/23 20:01	
Tetrachloroethene (PCE)	130 U	130	25	08/08/23 20:01	
Toluene	130 U	130	25	08/08/23 20:01	
Trichloroethene (TCE)	**1400 D**	130	25	08/08/23 20:01	
Vinyl Chloride	130 U	130	25	08/08/23 20:01	
cis-1,2-Dichloroethene	130 U	130	25	08/08/23 20:01	
cis-1,3-Dichloropropene	130 U	130	25	08/08/23 20:01	
m,p-Xylenes	130 U	130	25	08/08/23 20:01	
o-Xylene	130 U	130	25	08/08/23 20:01	
trans-1,2-Dichloroethene	130 U	130	25	08/08/23 20:01	
trans-1,3-Dichloropropene	130 U	130	25	08/08/23 20:01	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	96	85 - 122	08/08/23 20:01	
Dibromofluoromethane	99	80 - 116	08/08/23 20:01	
Toluene-d8	101	87 - 121	08/08/23 20:01	

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2306651
Project:	RTP/190500390.465	**Date Collected:**	07/25/23 14:05
Sample Matrix:	Water	**Date Received:**	07/26/23 16:12
Sample Name:	RTP-MW203-GW	**Units:**	ug/L
Lab Code:	R2306651-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result		MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0	U	5.0	1	08/05/23 18:02	
1,1,2,2-Tetrachloroethane	5.0	U	5.0	1	08/05/23 18:02	
1,1,2-Trichloroethane	5.0	U	5.0	1	08/05/23 18:02	
1,1-Dichloroethane (1,1-DCA)	**22**		5.0	1	08/05/23 18:02	
1,1-Dichloroethene (1,1-DCE)	**15**		5.0	1	08/05/23 18:02	
1,2-Dichloroethane	5.0	U	5.0	1	08/05/23 18:02	
1,2-Dichloropropane	5.0	U	5.0	1	08/05/23 18:02	
2-Butanone (MEK)	10	U	10	1	08/05/23 18:02	
2-Hexanone	10	U	10	1	08/05/23 18:02	
4-Methyl-2-pentanone	10	U	10	1	08/05/23 18:02	
Acetone	10	U	10	1	08/05/23 18:02	
Benzene	5.0	U	5.0	1	08/05/23 18:02	
Bromodichloromethane	5.0	U	5.0	1	08/05/23 18:02	
Bromoform	5.0	U	5.0	1	08/05/23 18:02	
Bromomethane	5.0	U	5.0	1	08/05/23 18:02	
Carbon Disulfide	10	U	10	1	08/05/23 18:02	
Carbon Tetrachloride	5.0	U	5.0	1	08/05/23 18:02	
Chlorobenzene	5.0	U	5.0	1	08/05/23 18:02	
Chloroethane	5.0	U	5.0	1	08/05/23 18:02	
Chloroform	5.0	U	5.0	1	08/05/23 18:02	
Chloromethane	5.0	U	5.0	1	08/05/23 18:02	
Dibromochloromethane	5.0	U	5.0	1	08/05/23 18:02	
Dichloromethane	5.0	U	5.0	1	08/05/23 18:02	
Ethylbenzene	5.0	U	5.0	1	08/05/23 18:02	
Styrene	5.0	U	5.0	1	08/05/23 18:02	
Tetrachloroethene (PCE)	5.0	U	5.0	1	08/05/23 18:02	
Toluene	5.0	U	5.0	1	08/05/23 18:02	
Trichloroethene (TCE)	**790**	**E**	5.0	1	08/05/23 18:02	
Vinyl Chloride	**9.5**		5.0	1	08/05/23 18:02	
cis-1,2-Dichloroethene	**76**		5.0	1	08/05/23 18:02	
cis-1,3-Dichloropropene	5.0	U	5.0	1	08/05/23 18:02	
m,p-Xylenes	5.0	U	5.0	1	08/05/23 18:02	
o-Xylene	5.0	U	5.0	1	08/05/23 18:02	
trans-1,2-Dichloroethene	**32**		5.0	1	08/05/23 18:02	
trans-1,3-Dichloropropene	5.0	U	5.0	1	08/05/23 18:02	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	94	85 - 122	08/05/23 18:02	
Dibromofluoromethane	102	80 - 116	08/05/23 18:02	
Toluene-d8	101	87 - 121	08/05/23 18:02	

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2306651
Project:	RTP/190500390.465	**Date Collected:**	07/25/23 14:05
Sample Matrix:	Water	**Date Received:**	07/26/23 16:12
Sample Name:	RTP-MW203-GW	**Units:**	ug/L
Lab Code:	R2306651-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	25 U	25	5	08/08/23 20:24	
1,1,2,2-Tetrachloroethane	25 U	25	5	08/08/23 20:24	
1,1,2-Trichloroethane	25 U	25	5	08/08/23 20:24	
1,1-Dichloroethane (1,1-DCA)	25 U	25	5	08/08/23 20:24	
1,1-Dichloroethene (1,1-DCE)	25 U	25	5	08/08/23 20:24	
1,2-Dichloroethane	25 U	25	5	08/08/23 20:24	
1,2-Dichloropropane	25 U	25	5	08/08/23 20:24	
2-Butanone (MEK)	50 U	50	5	08/08/23 20:24	
2-Hexanone	50 U	50	5	08/08/23 20:24	
4-Methyl-2-pentanone	50 U	50	5	08/08/23 20:24	
Acetone	50 U	50	5	08/08/23 20:24	
Benzene	25 U	25	5	08/08/23 20:24	
Bromodichloromethane	25 U	25	5	08/08/23 20:24	
Bromoform	25 U	25	5	08/08/23 20:24	
Bromomethane	25 U	25	5	08/08/23 20:24	
Carbon Disulfide	50 U	50	5	08/08/23 20:24	
Carbon Tetrachloride	25 U	25	5	08/08/23 20:24	
Chlorobenzene	25 U	25	5	08/08/23 20:24	
Chloroethane	25 U	25	5	08/08/23 20:24	
Chloroform	25 U	25	5	08/08/23 20:24	
Chloromethane	25 U	25	5	08/08/23 20:24	
Dibromochloromethane	25 U	25	5	08/08/23 20:24	
Dichloromethane	25 U	25	5	08/08/23 20:24	
Ethylbenzene	25 U	25	5	08/08/23 20:24	
Styrene	25 U	25	5	08/08/23 20:24	
Tetrachloroethene (PCE)	25 U	25	5	08/08/23 20:24	
Toluene	25 U	25	5	08/08/23 20:24	
Trichloroethene (TCE)	**750 D**	25	5	08/08/23 20:24	
Vinyl Chloride	25 U	25	5	08/08/23 20:24	
cis-1,2-Dichloroethene	**75 D**	25	5	08/08/23 20:24	
cis-1,3-Dichloropropene	25 U	25	5	08/08/23 20:24	
m,p-Xylenes	25 U	25	5	08/08/23 20:24	
o-Xylene	25 U	25	5	08/08/23 20:24	
trans-1,2-Dichloroethene	**30 D**	25	5	08/08/23 20:24	
trans-1,3-Dichloropropene	25 U	25	5	08/08/23 20:24	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	96	85 - 122	08/08/23 20:24	
Dibromofluoromethane	101	80 - 116	08/08/23 20:24	
Toluene-d8	102	87 - 121	08/08/23 20:24	

Analytical Report

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2306651
Project:	RTP/190500390.465	**Date Collected:**	07/25/23 15:20
Sample Matrix:	Water	**Date Received:**	07/26/23 16:12
Sample Name:	RTP-MW208-GW	**Units:**	ug/L
Lab Code:	R2306651-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	08/05/23 18:25	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	08/05/23 18:25	
1,1,2-Trichloroethane	5.0 U	5.0	1	08/05/23 18:25	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	08/05/23 18:25	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	08/05/23 18:25	
1,2-Dichloroethane	5.0 U	5.0	1	08/05/23 18:25	
1,2-Dichloropropane	5.0 U	5.0	1	08/05/23 18:25	
2-Butanone (MEK)	10 U	10	1	08/05/23 18:25	
2-Hexanone	10 U	10	1	08/05/23 18:25	
4-Methyl-2-pentanone	10 U	10	1	08/05/23 18:25	
Acetone	10 U	10	1	08/05/23 18:25	
Benzene	5.0 U	5.0	1	08/05/23 18:25	
Bromodichloromethane	5.0 U	5.0	1	08/05/23 18:25	
Bromoform	5.0 U	5.0	1	08/05/23 18:25	
Bromomethane	5.0 U	5.0	1	08/05/23 18:25	
Carbon Disulfide	10 U	10	1	08/05/23 18:25	
Carbon Tetrachloride	5.0 U	5.0	1	08/05/23 18:25	
Chlorobenzene	5.0 U	5.0	1	08/05/23 18:25	
Chloroethane	5.0 U	5.0	1	08/05/23 18:25	
Chloroform	5.0 U	5.0	1	08/05/23 18:25	
Chloromethane	5.0 U	5.0	1	08/05/23 18:25	
Dibromochloromethane	5.0 U	5.0	1	08/05/23 18:25	
Dichloromethane	5.0 U	5.0	1	08/05/23 18:25	
Ethylbenzene	5.0 U	5.0	1	08/05/23 18:25	
Styrene	5.0 U	5.0	1	08/05/23 18:25	
Tetrachloroethene (PCE)	5.0 U	5.0	1	08/05/23 18:25	
Toluene	5.0 U	5.0	1	08/05/23 18:25	
Trichloroethene (TCE)	**7.6**	5.0	1	08/05/23 18:25	
Vinyl Chloride	5.0 U	5.0	1	08/05/23 18:25	
cis-1,2-Dichloroethene	5.0 U	5.0	1	08/05/23 18:25	
cis-1,3-Dichloropropene	5.0 U	5.0	1	08/05/23 18:25	
m,p-Xylenes	5.0 U	5.0	1	08/05/23 18:25	
o-Xylene	5.0 U	5.0	1	08/05/23 18:25	
trans-1,2-Dichloroethene	5.0 U	5.0	1	08/05/23 18:25	
trans-1,3-Dichloropropene	5.0 U	5.0	1	08/05/23 18:25	

Analytical Report

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2306651
Project:	RTP/190500390.465	**Date Collected:**	07/25/23 15:20
Sample Matrix:	Water	**Date Received:**	07/26/23 16:12
Sample Name:	RTP-MW208-GW	**Units:**	ug/L
Lab Code:	R2306651-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	95	85 - 122	08/05/23 18:25	
Dibromofluoromethane	102	80 - 116	08/05/23 18:25	
Toluene-d8	101	87 - 121	08/05/23 18:25	

Analytical Report

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2306651
Project:	RTP/190500390.465	**Date Collected:**	07/25/23
Sample Matrix:	Water	**Date Received:**	07/26/23 16:12
Sample Name:	Trip Blank	**Units:**	ug/L
Lab Code:	R2306651-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	08/05/23 17:16	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	08/05/23 17:16	
1,1,2-Trichloroethane	5.0 U	5.0	1	08/05/23 17:16	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	08/05/23 17:16	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	08/05/23 17:16	
1,2-Dichloroethane	5.0 U	5.0	1	08/05/23 17:16	
1,2-Dichloropropane	5.0 U	5.0	1	08/05/23 17:16	
2-Butanone (MEK)	10 U	10	1	08/05/23 17:16	
2-Hexanone	10 U	10	1	08/05/23 17:16	
4-Methyl-2-pentanone	10 U	10	1	08/05/23 17:16	
Acetone	10 U	10	1	08/05/23 17:16	
Benzene	5.0 U	5.0	1	08/05/23 17:16	
Bromodichloromethane	5.0 U	5.0	1	08/05/23 17:16	
Bromoform	5.0 U	5.0	1	08/05/23 17:16	
Bromomethane	5.0 U	5.0	1	08/05/23 17:16	
Carbon Disulfide	10 U	10	1	08/05/23 17:16	
Carbon Tetrachloride	5.0 U	5.0	1	08/05/23 17:16	
Chlorobenzene	5.0 U	5.0	1	08/05/23 17:16	
Chloroethane	5.0 U	5.0	1	08/05/23 17:16	
Chloroform	5.0 U	5.0	1	08/05/23 17:16	
Chloromethane	5.0 U	5.0	1	08/05/23 17:16	
Dibromochloromethane	5.0 U	5.0	1	08/05/23 17:16	
Dichloromethane	5.0 U	5.0	1	08/05/23 17:16	
Ethylbenzene	5.0 U	5.0	1	08/05/23 17:16	
Styrene	5.0 U	5.0	1	08/05/23 17:16	
Tetrachloroethene (PCE)	5.0 U	5.0	1	08/05/23 17:16	
Toluene	5.0 U	5.0	1	08/05/23 17:16	
Trichloroethene (TCE)	5.0 U	5.0	1	08/05/23 17:16	
Vinyl Chloride	5.0 U	5.0	1	08/05/23 17:16	
cis-1,2-Dichloroethene	5.0 U	5.0	1	08/05/23 17:16	
cis-1,3-Dichloropropene	5.0 U	5.0	1	08/05/23 17:16	
m,p-Xylenes	5.0 U	5.0	1	08/05/23 17:16	
o-Xylene	5.0 U	5.0	1	08/05/23 17:16	
trans-1,2-Dichloroethene	5.0 U	5.0	1	08/05/23 17:16	
trans-1,3-Dichloropropene	5.0 U	5.0	1	08/05/23 17:16	

Analytical Report

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2306651
Project:	RTP/190500390.465	**Date Collected:**	07/25/23
Sample Matrix:	Water	**Date Received:**	07/26/23 16:12
Sample Name:	Trip Blank	**Units:**	ug/L
Lab Code:	R2306651-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	89	85 - 122	08/05/23 17:16	
Dibromofluoromethane	98	80 - 116	08/05/23 17:16	
Toluene-d8	99	87 - 121	08/05/23 17:16	

Analytical Report

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2306651
Project:	RTP/190500390.465	**Date Collected:**	07/26/23 10:34
Sample Matrix:	Water	**Date Received:**	07/26/23 16:12
Sample Name:	RTP-PDW109-GW	**Units:**	ug/L
Lab Code:	R2306651-005	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	08/05/23 20:20	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	08/05/23 20:20	
1,1,2-Trichloroethane	5.0 U	5.0	1	08/05/23 20:20	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	08/05/23 20:20	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	08/05/23 20:20	
1,2-Dichloroethane	5.0 U	5.0	1	08/05/23 20:20	
1,2-Dichloropropane	5.0 U	5.0	1	08/05/23 20:20	
2-Butanone (MEK)	10 U	10	1	08/05/23 20:20	
2-Hexanone	10 U	10	1	08/05/23 20:20	
4-Methyl-2-pentanone	10 U	10	1	08/05/23 20:20	
Acetone	10 U	10	1	08/05/23 20:20	
Benzene	5.0 U	5.0	1	08/05/23 20:20	
Bromodichloromethane	5.0 U	5.0	1	08/05/23 20:20	
Bromoform	5.0 U	5.0	1	08/05/23 20:20	
Bromomethane	5.0 U	5.0	1	08/05/23 20:20	
Carbon Disulfide	10 U	10	1	08/05/23 20:20	
Carbon Tetrachloride	5.0 U	5.0	1	08/05/23 20:20	
Chlorobenzene	5.0 U	5.0	1	08/05/23 20:20	
Chloroethane	5.0 U	5.0	1	08/05/23 20:20	
Chloroform	5.0 U	5.0	1	08/05/23 20:20	
Chloromethane	5.0 U	5.0	1	08/05/23 20:20	
Dibromochloromethane	5.0 U	5.0	1	08/05/23 20:20	
Dichloromethane	5.0 U	5.0	1	08/05/23 20:20	
Ethylbenzene	5.0 U	5.0	1	08/05/23 20:20	
Styrene	5.0 U	5.0	1	08/05/23 20:20	
Tetrachloroethene (PCE)	5.0 U	5.0	1	08/05/23 20:20	
Toluene	5.0 U	5.0	1	08/05/23 20:20	
Trichloroethene (TCE)	5.0 U	5.0	1	08/05/23 20:20	
Vinyl Chloride	5.0 U	5.0	1	08/05/23 20:20	
cis-1,2-Dichloroethene	5.0 U	5.0	1	08/05/23 20:20	
cis-1,3-Dichloropropene	5.0 U	5.0	1	08/05/23 20:20	
m,p-Xylenes	5.0 U	5.0	1	08/05/23 20:20	
o-Xylene	5.0 U	5.0	1	08/05/23 20:20	
trans-1,2-Dichloroethene	5.0 U	5.0	1	08/05/23 20:20	
trans-1,3-Dichloropropene	5.0 U	5.0	1	08/05/23 20:20	

Analytical Report

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2306651
Project:	RTP/190500390.465	**Date Collected:**	07/26/23 10:34
Sample Matrix:	Water	**Date Received:**	07/26/23 16:12
Sample Name:	RTP-PDW109-GW	**Units:**	ug/L
Lab Code:	R2306651-005	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	85 - 122	08/05/23 20:20	
Dibromofluoromethane	99	80 - 116	08/05/23 20:20	
Toluene-d8	100	87 - 121	08/05/23 20:20	

Analytical Report

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2306651
Project:	RTP/190500390.465	**Date Collected:**	07/26/23 12:00
Sample Matrix:	Water	**Date Received:**	07/26/23 16:12
Sample Name:	RTP-DUP-GW	**Units:**	ug/L
Lab Code:	R2306651-006	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	08/05/23 18:48	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	08/05/23 18:48	
1,1,2-Trichloroethane	5.0 U	5.0	1	08/05/23 18:48	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	08/05/23 18:48	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	08/05/23 18:48	
1,2-Dichloroethane	5.0 U	5.0	1	08/05/23 18:48	
1,2-Dichloropropane	5.0 U	5.0	1	08/05/23 18:48	
2-Butanone (MEK)	10 U	10	1	08/05/23 18:48	
2-Hexanone	10 U	10	1	08/05/23 18:48	
4-Methyl-2-pentanone	10 U	10	1	08/05/23 18:48	
Acetone	10 U	10	1	08/05/23 18:48	
Benzene	5.0 U	5.0	1	08/05/23 18:48	
Bromodichloromethane	5.0 U	5.0	1	08/05/23 18:48	
Bromoform	5.0 U	5.0	1	08/05/23 18:48	
Bromomethane	5.0 U	5.0	1	08/05/23 18:48	
Carbon Disulfide	10 U	10	1	08/05/23 18:48	
Carbon Tetrachloride	5.0 U	5.0	1	08/05/23 18:48	
Chlorobenzene	5.0 U	5.0	1	08/05/23 18:48	
Chloroethane	5.0 U	5.0	1	08/05/23 18:48	
Chloroform	5.0 U	5.0	1	08/05/23 18:48	
Chloromethane	5.0 U	5.0	1	08/05/23 18:48	
Dibromochloromethane	5.0 U	5.0	1	08/05/23 18:48	
Dichloromethane	5.0 U	5.0	1	08/05/23 18:48	
Ethylbenzene	5.0 U	5.0	1	08/05/23 18:48	
Styrene	5.0 U	5.0	1	08/05/23 18:48	
Tetrachloroethene (PCE)	5.0 U	5.0	1	08/05/23 18:48	
Toluene	5.0 U	5.0	1	08/05/23 18:48	
Trichloroethene (TCE)	5.0 U	5.0	1	08/05/23 18:48	
Vinyl Chloride	5.0 U	5.0	1	08/05/23 18:48	
cis-1,2-Dichloroethene	5.0 U	5.0	1	08/05/23 18:48	
cis-1,3-Dichloropropene	5.0 U	5.0	1	08/05/23 18:48	
m,p-Xylenes	5.0 U	5.0	1	08/05/23 18:48	
o-Xylene	5.0 U	5.0	1	08/05/23 18:48	
trans-1,2-Dichloroethene	5.0 U	5.0	1	08/05/23 18:48	
trans-1,3-Dichloropropene	5.0 U	5.0	1	08/05/23 18:48	

Analytical Report

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2306651
Project:	RTP/190500390.465	**Date Collected:**	07/26/23 12:00
Sample Matrix:	Water	**Date Received:**	07/26/23 16:12
Sample Name:	RTP-DUP-GW	**Units:**	ug/L
Lab Code:	R2306651-006	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	94	85 - 122	08/05/23 18:48	
Dibromofluoromethane	103	80 - 116	08/05/23 18:48	
Toluene-d8	102	87 - 121	08/05/23 18:48	

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2306651
Project:	RTP/190500390.465	**Date Collected:**	07/26/23 12:11
Sample Matrix:	Water	**Date Received:**	07/26/23 16:12
Sample Name:	RTP-MW205-GW	**Units:**	ug/L
Lab Code:	R2306651-007	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result		MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	25	U	25	5	08/05/23 19:11	
1,1,2,2-Tetrachloroethane	25	U	25	5	08/05/23 19:11	
1,1,2-Trichloroethane	25	U	25	5	08/05/23 19:11	
1,1-Dichloroethane (1,1-DCA)	25	U	25	5	08/05/23 19:11	
1,1-Dichloroethene (1,1-DCE)	25	U	25	5	08/05/23 19:11	
1,2-Dichloroethane	25	U	25	5	08/05/23 19:11	
1,2-Dichloropropane	25	U	25	5	08/05/23 19:11	
2-Butanone (MEK)	50	U	50	5	08/05/23 19:11	
2-Hexanone	50	U	50	5	08/05/23 19:11	
4-Methyl-2-pentanone	50	U	50	5	08/05/23 19:11	
Acetone	50	U	50	5	08/05/23 19:11	
Benzene	25	U	25	5	08/05/23 19:11	
Bromodichloromethane	25	U	25	5	08/05/23 19:11	
Bromoform	25	U	25	5	08/05/23 19:11	
Bromomethane	25	U	25	5	08/05/23 19:11	
Carbon Disulfide	50	U	50	5	08/05/23 19:11	
Carbon Tetrachloride	25	U	25	5	08/05/23 19:11	
Chlorobenzene	25	U	25	5	08/05/23 19:11	
Chloroethane	25	U	25	5	08/05/23 19:11	
Chloroform	25	U	25	5	08/05/23 19:11	
Chloromethane	25	U	25	5	08/05/23 19:11	
Dibromochloromethane	25	U	25	5	08/05/23 19:11	
Dichloromethane	25	U	25	5	08/05/23 19:11	
Ethylbenzene	25	U	25	5	08/05/23 19:11	
Styrene	25	U	25	5	08/05/23 19:11	
Tetrachloroethene (PCE)	25	U	25	5	08/05/23 19:11	
Toluene	25	U	25	5	08/05/23 19:11	
Trichloroethene (TCE)	**1100**	**E**	25	5	08/05/23 19:11	
Vinyl Chloride	25	U	25	5	08/05/23 19:11	
cis-1,2-Dichloroethene	**27**		25	5	08/05/23 19:11	
cis-1,3-Dichloropropene	25	U	25	5	08/05/23 19:11	
m,p-Xylenes	25	U	25	5	08/05/23 19:11	
o-Xylene	25	U	25	5	08/05/23 19:11	
trans-1,2-Dichloroethene	**27**		25	5	08/05/23 19:11	
trans-1,3-Dichloropropene	25	U	25	5	08/05/23 19:11	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	85 - 122	08/05/23 19:11	
Dibromofluoromethane	99	80 - 116	08/05/23 19:11	
Toluene-d8	101	87 - 121	08/05/23 19:11	

Analytical Report

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2306651
Project:	RTP/190500390.465	**Date Collected:**	07/26/23 12:11
Sample Matrix:	Water	**Date Received:**	07/26/23 16:12
Sample Name:	RTP-MW205-GW	**Units:**	ug/L
Lab Code:	R2306651-007	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	50 U	50	10	08/08/23 20:47	
1,1,2,2-Tetrachloroethane	50 U	50	10	08/08/23 20:47	
1,1,2-Trichloroethane	50 U	50	10	08/08/23 20:47	
1,1-Dichloroethane (1,1-DCA)	50 U	50	10	08/08/23 20:47	
1,1-Dichloroethene (1,1-DCE)	50 U	50	10	08/08/23 20:47	
1,2-Dichloroethane	50 U	50	10	08/08/23 20:47	
1,2-Dichloropropane	50 U	50	10	08/08/23 20:47	
2-Butanone (MEK)	100 U	100	10	08/08/23 20:47	
2-Hexanone	100 U	100	10	08/08/23 20:47	
4-Methyl-2-pentanone	100 U	100	10	08/08/23 20:47	
Acetone	100 U	100	10	08/08/23 20:47	
Benzene	50 U	50	10	08/08/23 20:47	
Bromodichloromethane	50 U	50	10	08/08/23 20:47	
Bromoform	50 U	50	10	08/08/23 20:47	
Bromomethane	50 U	50	10	08/08/23 20:47	
Carbon Disulfide	100 U	100	10	08/08/23 20:47	
Carbon Tetrachloride	50 U	50	10	08/08/23 20:47	
Chlorobenzene	50 U	50	10	08/08/23 20:47	
Chloroethane	50 U	50	10	08/08/23 20:47	
Chloroform	50 U	50	10	08/08/23 20:47	
Chloromethane	50 U	50	10	08/08/23 20:47	
Dibromochloromethane	50 U	50	10	08/08/23 20:47	
Dichloromethane	50 U	50	10	08/08/23 20:47	
Ethylbenzene	50 U	50	10	08/08/23 20:47	
Styrene	50 U	50	10	08/08/23 20:47	
Tetrachloroethene (PCE)	50 U	50	10	08/08/23 20:47	
Toluene	50 U	50	10	08/08/23 20:47	
Trichloroethene (TCE)	**1100 D**	50	10	08/08/23 20:47	
Vinyl Chloride	50 U	50	10	08/08/23 20:47	
cis-1,2-Dichloroethene	50 U	50	10	08/08/23 20:47	
cis-1,3-Dichloropropene	50 U	50	10	08/08/23 20:47	
m,p-Xylenes	50 U	50	10	08/08/23 20:47	
o-Xylene	50 U	50	10	08/08/23 20:47	
trans-1,2-Dichloroethene	50 U	50	10	08/08/23 20:47	
trans-1,3-Dichloropropene	50 U	50	10	08/08/23 20:47	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	96	85 - 122	08/08/23 20:47	
Dibromofluoromethane	100	80 - 116	08/08/23 20:47	
Toluene-d8	101	87 - 121	08/08/23 20:47	

Analytical Report

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2306651
Project:	RTP/190500390.465	**Date Collected:**	07/26/23 13:57
Sample Matrix:	Water	**Date Received:**	07/26/23 16:12
Sample Name:	RTP-MW212-GW	**Units:**	ug/L
Lab Code:	R2306651-008	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	08/05/23 19:34	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	08/05/23 19:34	
1,1,2-Trichloroethane	5.0 U	5.0	1	08/05/23 19:34	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	08/05/23 19:34	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	08/05/23 19:34	
1,2-Dichloroethane	5.0 U	5.0	1	08/05/23 19:34	
1,2-Dichloropropane	5.0 U	5.0	1	08/05/23 19:34	
2-Butanone (MEK)	10 U	10	1	08/05/23 19:34	
2-Hexanone	10 U	10	1	08/05/23 19:34	
4-Methyl-2-pentanone	10 U	10	1	08/05/23 19:34	
Acetone	10 U	10	1	08/05/23 19:34	
Benzene	5.0 U	5.0	1	08/05/23 19:34	
Bromodichloromethane	5.0 U	5.0	1	08/05/23 19:34	
Bromoform	5.0 U	5.0	1	08/05/23 19:34	
Bromomethane	5.0 U	5.0	1	08/05/23 19:34	
Carbon Disulfide	10 U	10	1	08/05/23 19:34	
Carbon Tetrachloride	5.0 U	5.0	1	08/05/23 19:34	
Chlorobenzene	5.0 U	5.0	1	08/05/23 19:34	
Chloroethane	5.0 U	5.0	1	08/05/23 19:34	
Chloroform	5.0 U	5.0	1	08/05/23 19:34	
Chloromethane	5.0 U	5.0	1	08/05/23 19:34	
Dibromochloromethane	5.0 U	5.0	1	08/05/23 19:34	
Dichloromethane	5.0 U	5.0	1	08/05/23 19:34	
Ethylbenzene	5.0 U	5.0	1	08/05/23 19:34	
Styrene	5.0 U	5.0	1	08/05/23 19:34	
Tetrachloroethene (PCE)	5.0 U	5.0	1	08/05/23 19:34	
Toluene	5.0 U	5.0	1	08/05/23 19:34	
Trichloroethene (TCE)	**6.8**	5.0	1	08/05/23 19:34	
Vinyl Chloride	5.0 U	5.0	1	08/05/23 19:34	
cis-1,2-Dichloroethene	5.0 U	5.0	1	08/05/23 19:34	
cis-1,3-Dichloropropene	5.0 U	5.0	1	08/05/23 19:34	
m,p-Xylenes	5.0 U	5.0	1	08/05/23 19:34	
o-Xylene	5.0 U	5.0	1	08/05/23 19:34	
trans-1,2-Dichloroethene	5.0 U	5.0	1	08/05/23 19:34	
trans-1,3-Dichloropropene	5.0 U	5.0	1	08/05/23 19:34	

Analytical Report

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2306651
Project:	RTP/190500390.465	**Date Collected:**	07/26/23 13:57
Sample Matrix:	Water	**Date Received:**	07/26/23 16:12
Sample Name:	RTP-MW212-GW	**Units:**	ug/L
Lab Code:	R2306651-008	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	85 - 122	08/05/23 19:34	
Dibromofluoromethane	103	80 - 116	08/05/23 19:34	
Toluene-d8	105	87 - 121	08/05/23 19:34	

Analytical Report

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2306651
Project:	RTP/190500390.465	**Date Collected:**	07/26/23 15:15
Sample Matrix:	Water	**Date Received:**	07/26/23 16:12
Sample Name:	RTP-MW213-GW	**Units:**	ug/L
Lab Code:	R2306651-009	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	08/05/23 19:57	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	08/05/23 19:57	
1,1,2-Trichloroethane	5.0 U	5.0	1	08/05/23 19:57	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	08/05/23 19:57	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	08/05/23 19:57	
1,2-Dichloroethane	5.0 U	5.0	1	08/05/23 19:57	
1,2-Dichloropropane	5.0 U	5.0	1	08/05/23 19:57	
2-Butanone (MEK)	10 U	10	1	08/05/23 19:57	
2-Hexanone	10 U	10	1	08/05/23 19:57	
4-Methyl-2-pentanone	10 U	10	1	08/05/23 19:57	
Acetone	10 U	10	1	08/05/23 19:57	
Benzene	5.0 U	5.0	1	08/05/23 19:57	
Bromodichloromethane	5.0 U	5.0	1	08/05/23 19:57	
Bromoform	5.0 U	5.0	1	08/05/23 19:57	
Bromomethane	5.0 U	5.0	1	08/05/23 19:57	
Carbon Disulfide	10 U	10	1	08/05/23 19:57	
Carbon Tetrachloride	5.0 U	5.0	1	08/05/23 19:57	
Chlorobenzene	5.0 U	5.0	1	08/05/23 19:57	
Chloroethane	5.0 U	5.0	1	08/05/23 19:57	
Chloroform	5.0 U	5.0	1	08/05/23 19:57	
Chloromethane	5.0 U	5.0	1	08/05/23 19:57	
Dibromochloromethane	5.0 U	5.0	1	08/05/23 19:57	
Dichloromethane	5.0 U	5.0	1	08/05/23 19:57	
Ethylbenzene	5.0 U	5.0	1	08/05/23 19:57	
Styrene	5.0 U	5.0	1	08/05/23 19:57	
Tetrachloroethene (PCE)	5.0 U	5.0	1	08/05/23 19:57	
Toluene	5.0 U	5.0	1	08/05/23 19:57	
Trichloroethene (TCE)	5.0 U	5.0	1	08/05/23 19:57	
Vinyl Chloride	5.0 U	5.0	1	08/05/23 19:57	
cis-1,2-Dichloroethene	5.0 U	5.0	1	08/05/23 19:57	
cis-1,3-Dichloropropene	5.0 U	5.0	1	08/05/23 19:57	
m,p-Xylenes	5.0 U	5.0	1	08/05/23 19:57	
o-Xylene	5.0 U	5.0	1	08/05/23 19:57	
trans-1,2-Dichloroethene	5.0 U	5.0	1	08/05/23 19:57	
trans-1,3-Dichloropropene	5.0 U	5.0	1	08/05/23 19:57	

Analytical Report

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2306651
Project:	RTP/190500390.465	**Date Collected:**	07/26/23 15:15
Sample Matrix:	Water	**Date Received:**	07/26/23 16:12
Sample Name:	RTP-MW213-GW	**Units:**	ug/L
Lab Code:	R2306651-009	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	93	85 - 122	08/05/23 19:57	
Dibromofluoromethane	99	80 - 116	08/05/23 19:57	
Toluene-d8	102	87 - 121	08/05/23 19:57	

QC Summary Forms

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Volatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client: Stantec Consulting Group, Inc. **Service Request:** R2306651
Project: RTP/190500390.465
Sample Matrix: Water

SURROGATE RECOVERY SUMMARY
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Extraction Method: EPA 5030C

Sample Name	Lab Code	4-Bromofluorobenzene 85 - 122	Dibromofluoromethane 80 - 116	Toluene-d8 87 - 121
RTP-PDW110-GW	R2306651-001	97	101	101
RTP-PDW110-GW DL	R2306651-001	96	99	101
RTP-MW203-GW	R2306651-002	94	102	101
RTP-MW203-GW DL	R2306651-002	96	101	102
RTP-MW208-GW	R2306651-003	95	102	101
Trip Blank	R2306651-004	89	98	99
RTP-PDW109-GW	R2306651-005	97	99	100
RTP-DUP-GW	R2306651-006	94	103	102
RTP-MW205-GW	R2306651-007	97	99	101
RTP-MW205-GW DL	R2306651-007	96	100	101
RTP-MW212-GW	R2306651-008	100	103	105
RTP-MW213-GW	R2306651-009	93	99	102
Lab Control Sample	RQ2309897-03	101	102	101
Method Blank	RQ2309897-04	93	99	99
RTP-PDW109-GW MS	RQ2309897-05	102	104	105
RTP-PDW109-GW DMS	RQ2309897-06	101	102	102
Lab Control Sample	RQ2309996-03	96	101	101
Method Blank	RQ2309996-06	95	101	101

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2306651
Project:	RTP/190500390.465	**Date Collected:**	07/26/23
Sample Matrix:	Water	**Date Received:**	07/26/23
		Date Analyzed:	08/5/23
		Date Extracted:	NA

Duplicate Matrix Spike Summary
Volatile Organic Compounds by GC/MS

Sample Name:	RTP-PDW109-GW	**Units:**	ug/L
Lab Code:	R2306651-005	**Basis:**	NA
Analysis Method:	8260C		
Prep Method:	EPA 5030C		

		Matrix Spike RQ2309897-05			**Duplicate Matrix Spike** RQ2309897-06					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
1,1,1-Trichloroethane (TCA)	5.0 U	49.3	50.0	99	50.3	50.0	101	74-127	2	30
1,1,2,2-Tetrachloroethane	5.0 U	44.8	50.0	90	45.8	50.0	92	72-122	2	30
1,1,2-Trichloroethane	5.0 U	48.8	50.0	98	48.9	50.0	98	82-121	<1	30
1,1-Dichloroethane (1,1-DCA)	5.0 U	48.8	50.0	98	51.6	50.0	103	74-132	5	30
1,1-Dichloroethene (1,1-DCE)	5.0 U	47.9	50.0	96	49.3	50.0	99	71-118	3	30
1,2-Dichloroethane	5.0 U	47.5	50.0	95	48.6	50.0	97	68-130	2	30
1,2-Dichloropropane	5.0 U	47.9	50.0	96	49.5	50.0	99	79-124	3	30
2-Butanone (MEK)	10 U	39.9	50.0	80	39.7	50.0	79	61-137	<1	30
2-Hexanone	10 U	45.7	50.0	91	45.0	50.0	90	56-132	2	30
4-Methyl-2-pentanone	10 U	47.8	50.0	96	47.0	50.0	94	60-141	2	30
Acetone	10 U	35.1	50.0	70	33.8	50.0	68	35-183	4	30
Benzene	5.0 U	49.7	50.0	99	50.9	50.0	102	76-129	2	30
Bromodichloromethane	5.0 U	46.4	50.0	93	47.5	50.0	95	78-133	2	30
Bromoform	5.0 U	50.2	50.0	100	50.9	50.0	102	58-133	1	30
Bromomethane	5.0 U	41.9	50.0	84	45.3	50.0	91	10-184	8	30
Carbon Disulfide	10 U	45.2	50.0	90	47.1	50.0	94	59-140	4	30
Carbon Tetrachloride	5.0 U	53.1	50.0	106	54.6	50.0	109	65-135	3	30
Chlorobenzene	5.0 U	48.7	50.0	97	50.4	50.0	101	76-125	3	30
Chloroethane	5.0 U	46.2	50.0	92	45.7	50.0	91	48-146	<1	30
Chloroform	5.0 U	46.7	50.0	93	47.9	50.0	96	75-130	2	30
Chloromethane	5.0 U	50.2	50.0	100	51.1	50.0	102	55-160	2	30
Dibromochloromethane	5.0 U	48.4	50.0	97	50.1	50.0	100	72-128	4	30
Dichloromethane	5.0 U	44.9	50.0	90	47.5	50.0	95	73-122	6	30
Ethylbenzene	5.0 U	48.8	50.0	98	50.9	50.0	102	72-134	4	30
Styrene	5.0 U	48.9	50.0	98	51.4	50.0	103	74-136	5	30
Tetrachloroethene (PCE)	5.0 U	49.4	50.0	99	51.1	50.0	102	72-125	3	30
Toluene	5.0 U	49.6	50.0	99	50.9	50.0	102	79-119	3	30
Trichloroethene (TCE)	5.0 U	49.6	50.0	99	50.4	50.0	101	74-122	2	30
Vinyl Chloride	5.0 U	43.4	50.0	87	45.0	50.0	90	74-159	4	30
cis-1,2-Dichloroethene	5.0 U	47.6	50.0	95	48.8	50.0	98	77-127	3	30
cis-1,3-Dichloropropene	5.0 U	49.6	50.0	99	50.7	50.0	101	52-134	2	30
m,p-Xylenes	5.0 U	98.9	100	99	103	100	103	80-126	4	30
o-Xylene	5.0 U	48.9	50.0	98	50.3	50.0	101	79-123	3	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Matrix Spike and Matrix Spike Duplicate Data is presented for information purposes only. The matrix may or may not be relevant to samples reported in this report. The laboratory evaluates system performance based on the LCS and LCSD control limits.

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2306651
Project:	RTP/190500390.465	**Date Collected:**	07/26/23
Sample Matrix:	Water	**Date Received:**	07/26/23
		Date Analyzed:	08/5/23
		Date Extracted:	NA

Duplicate Matrix Spike Summary
Volatile Organic Compounds by GC/MS

Sample Name:	RTP-PDW109-GW	**Units:**	ug/L
Lab Code:	R2306651-005	**Basis:**	NA
Analysis Method:	8260C		
Prep Method:	EPA 5030C		

		Matrix Spike RQ2309897-05			**Duplicate Matrix Spike** RQ2309897-06					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
trans-1,2-Dichloroethene	5.0 U	47.0	50.0	94	48.0	50.0	96	73-118	2	30
trans-1,3-Dichloropropene	5.0 U	51.3	50.0	103	52.1	50.0	104	71-133	2	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Matrix Spike and Matrix Spike Duplicate Data is presented for information purposes only. The matrix may or may not be relevant to samples reported in this report. The laboratory evaluates system performance based on the LCS and LCSD control limits.

Analytical Report

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2306651
Project:	RTP/190500390.465	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2309897-04	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	08/05/23 12:36	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	08/05/23 12:36	
1,1,2-Trichloroethane	5.0 U	5.0	1	08/05/23 12:36	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	08/05/23 12:36	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	08/05/23 12:36	
1,2-Dichloroethane	5.0 U	5.0	1	08/05/23 12:36	
1,2-Dichloropropane	5.0 U	5.0	1	08/05/23 12:36	
2-Butanone (MEK)	10 U	10	1	08/05/23 12:36	
2-Hexanone	10 U	10	1	08/05/23 12:36	
4-Methyl-2-pentanone	10 U	10	1	08/05/23 12:36	
Acetone	10 U	10	1	08/05/23 12:36	
Benzene	5.0 U	5.0	1	08/05/23 12:36	
Bromodichloromethane	5.0 U	5.0	1	08/05/23 12:36	
Bromoform	5.0 U	5.0	1	08/05/23 12:36	
Bromomethane	5.0 U	5.0	1	08/05/23 12:36	
Carbon Disulfide	10 U	10	1	08/05/23 12:36	
Carbon Tetrachloride	5.0 U	5.0	1	08/05/23 12:36	
Chlorobenzene	5.0 U	5.0	1	08/05/23 12:36	
Chloroethane	5.0 U	5.0	1	08/05/23 12:36	
Chloroform	5.0 U	5.0	1	08/05/23 12:36	
Chloromethane	5.0 U	5.0	1	08/05/23 12:36	
Dibromochloromethane	5.0 U	5.0	1	08/05/23 12:36	
Dichloromethane	5.0 U	5.0	1	08/05/23 12:36	
Ethylbenzene	5.0 U	5.0	1	08/05/23 12:36	
Styrene	5.0 U	5.0	1	08/05/23 12:36	
Tetrachloroethene (PCE)	5.0 U	5.0	1	08/05/23 12:36	
Toluene	5.0 U	5.0	1	08/05/23 12:36	
Trichloroethene (TCE)	5.0 U	5.0	1	08/05/23 12:36	
Vinyl Chloride	5.0 U	5.0	1	08/05/23 12:36	
cis-1,2-Dichloroethene	5.0 U	5.0	1	08/05/23 12:36	
cis-1,3-Dichloropropene	5.0 U	5.0	1	08/05/23 12:36	
m,p-Xylenes	5.0 U	5.0	1	08/05/23 12:36	
o-Xylene	5.0 U	5.0	1	08/05/23 12:36	
trans-1,2-Dichloroethene	5.0 U	5.0	1	08/05/23 12:36	
trans-1,3-Dichloropropene	5.0 U	5.0	1	08/05/23 12:36	

Analytical Report

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2306651
Project:	RTP/190500390.465	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2309897-04	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	93	85 - 122	08/05/23 12:36	
Dibromofluoromethane	99	80 - 116	08/05/23 12:36	
Toluene-d8	99	87 - 121	08/05/23 12:36	

Analytical Report

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2306651
Project:	RTP/190500390.465	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2309996-06	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	08/08/23 13:06	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	08/08/23 13:06	
1,1,2-Trichloroethane	5.0 U	5.0	1	08/08/23 13:06	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	08/08/23 13:06	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	08/08/23 13:06	
1,2-Dichloroethane	5.0 U	5.0	1	08/08/23 13:06	
1,2-Dichloropropane	5.0 U	5.0	1	08/08/23 13:06	
2-Butanone (MEK)	10 U	10	1	08/08/23 13:06	
2-Hexanone	10 U	10	1	08/08/23 13:06	
4-Methyl-2-pentanone	10 U	10	1	08/08/23 13:06	
Acetone	10 U	10	1	08/08/23 13:06	
Benzene	5.0 U	5.0	1	08/08/23 13:06	
Bromodichloromethane	5.0 U	5.0	1	08/08/23 13:06	
Bromoform	5.0 U	5.0	1	08/08/23 13:06	
Bromomethane	5.0 U	5.0	1	08/08/23 13:06	
Carbon Disulfide	10 U	10	1	08/08/23 13:06	
Carbon Tetrachloride	5.0 U	5.0	1	08/08/23 13:06	
Chlorobenzene	5.0 U	5.0	1	08/08/23 13:06	
Chloroethane	5.0 U	5.0	1	08/08/23 13:06	
Chloroform	5.0 U	5.0	1	08/08/23 13:06	
Chloromethane	5.0 U	5.0	1	08/08/23 13:06	
Dibromochloromethane	5.0 U	5.0	1	08/08/23 13:06	
Dichloromethane	5.0 U	5.0	1	08/08/23 13:06	
Ethylbenzene	5.0 U	5.0	1	08/08/23 13:06	
Styrene	5.0 U	5.0	1	08/08/23 13:06	
Tetrachloroethene (PCE)	5.0 U	5.0	1	08/08/23 13:06	
Toluene	5.0 U	5.0	1	08/08/23 13:06	
Trichloroethene (TCE)	5.0 U	5.0	1	08/08/23 13:06	
Vinyl Chloride	5.0 U	5.0	1	08/08/23 13:06	
cis-1,2-Dichloroethene	5.0 U	5.0	1	08/08/23 13:06	
cis-1,3-Dichloropropene	5.0 U	5.0	1	08/08/23 13:06	
m,p-Xylenes	5.0 U	5.0	1	08/08/23 13:06	
o-Xylene	5.0 U	5.0	1	08/08/23 13:06	
trans-1,2-Dichloroethene	5.0 U	5.0	1	08/08/23 13:06	
trans-1,3-Dichloropropene	5.0 U	5.0	1	08/08/23 13:06	

Analytical Report

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2306651
Project:	RTP/190500390.465	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2309996-06	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	95	85 - 122	08/08/23 13:06	
Dibromofluoromethane	101	80 - 116	08/08/23 13:06	
Toluene-d8	101	87 - 121	08/08/23 13:06	

Client: Stantec Consulting Group, Inc.
Project: RTP/190500390.465
Sample Matrix: Water

Service Request: R2306651
Date Analyzed: 08/05/23

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ2309897-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
1,1,1-Trichloroethane (TCA)	8260C	20.0	20.0	100	75-125
1,1,2,2-Tetrachloroethane	8260C	18.8	20.0	94	78-126
1,1,2-Trichloroethane	8260C	19.7	20.0	99	82-121
1,1-Dichloroethane (1,1-DCA)	8260C	20.4	20.0	102	80-124
1,1-Dichloroethene (1,1-DCE)	8260C	19.4	20.0	97	69-142
1,2-Dichloroethane	8260C	20.0	20.0	100	71-127
1,2-Dichloropropane	8260C	19.6	20.0	98	80-119
2-Butanone (MEK)	8260C	14.8	20.0	74	61-137
2-Hexanone	8260C	17.1	20.0	86	63-124
4-Methyl-2-pentanone	8260C	18.1	20.0	90	66-124
Acetone	8260C	13.6	20.0	68	40-161
Benzene	8260C	20.5	20.0	102	79-119
Bromodichloromethane	8260C	19.2	20.0	96	81-123
Bromoform	8260C	19.9	20.0	100	65-146
Bromomethane	8260C	21.5	20.0	107	42-166
Carbon Disulfide	8260C	17.6	20.0	88	66-128
Carbon Tetrachloride	8260C	21.4	20.0	107	70-127
Chlorobenzene	8260C	19.9	20.0	100	80-121
Chloroethane	8260C	17.8	20.0	89	62-131
Chloroform	8260C	19.3	20.0	96	79-120
Chloromethane	8260C	20.6	20.0	103	72-179
Dibromochloromethane	8260C	20.3	20.0	102	72-128
Dichloromethane	8260C	19.1	20.0	96	73-122
Ethylbenzene	8260C	20.3	20.0	101	76-120
Styrene	8260C	20.1	20.0	101	80-124
Tetrachloroethene (PCE)	8260C	20.1	20.0	100	72-125
Toluene	8260C	20.2	20.0	101	79-119
Trichloroethene (TCE)	8260C	20.1	20.0	100	74-122
Vinyl Chloride	8260C	18.4	20.0	92	74-159
cis-1,2-Dichloroethene	8260C	19.1	20.0	95	80-121
cis-1,3-Dichloropropene	8260C	20.8	20.0	104	77-122
m,p-Xylenes	8260C	40.4	40.0	101	80-126
o-Xylene	8260C	20.0	20.0	100	79-123

Client: Stantec Consulting Group, Inc.
Project: RTP/190500390.465
Sample Matrix: Water

Service Request: R2306651
Date Analyzed: 08/05/23

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ2309897-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
trans-1,2-Dichloroethene	8260C	19.4	20.0	97	73-118
trans-1,3-Dichloropropene	8260C	21.4	20.0	107	71-133

Client: Stantec Consulting Group, Inc.
Project: RTP/190500390.465
Sample Matrix: Water

Service Request: R2306651
Date Analyzed: 08/08/23

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ2309996-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
1,1,1-Trichloroethane (TCA)	8260C	19.1	20.0	96	75-125
1,1,2,2-Tetrachloroethane	8260C	18.7	20.0	93	78-126
1,1,2-Trichloroethane	8260C	19.3	20.0	96	82-121
1,1-Dichloroethane (1,1-DCA)	8260C	20.2	20.0	101	80-124
1,1-Dichloroethene (1,1-DCE)	8260C	19.7	20.0	99	69-142
1,2-Dichloroethane	8260C	18.9	20.0	94	71-127
1,2-Dichloropropane	8260C	18.7	20.0	94	80-119
2-Butanone (MEK)	8260C	15.0	20.0	75	61-137
2-Hexanone	8260C	17.1	20.0	86	63-124
4-Methyl-2-pentanone	8260C	17.8	20.0	89	66-124
Acetone	8260C	14.3	20.0	71	40-161
Benzene	8260C	19.5	20.0	97	79-119
Bromodichloromethane	8260C	18.3	20.0	92	81-123
Bromoform	8260C	19.4	20.0	97	65-146
Bromomethane	8260C	18.0	20.0	90	42-166
Carbon Disulfide	8260C	17.7	20.0	88	66-128
Carbon Tetrachloride	8260C	19.8	20.0	99	70-127
Chlorobenzene	8260C	19.1	20.0	95	80-121
Chloroethane	8260C	18.0	20.0	90	62-131
Chloroform	8260C	18.8	20.0	94	79-120
Chloromethane	8260C	19.5	20.0	97	72-179
Dibromochloromethane	8260C	19.0	20.0	95	72-128
Dichloromethane	8260C	18.8	20.0	94	73-122
Ethylbenzene	8260C	19.1	20.0	95	76-120
Styrene	8260C	19.3	20.0	97	80-124
Tetrachloroethene (PCE)	8260C	18.9	20.0	95	72-125
Toluene	8260C	19.2	20.0	96	79-119
Trichloroethene (TCE)	8260C	19.4	20.0	97	74-122
Vinyl Chloride	8260C	18.1	20.0	90	74-159
cis-1,2-Dichloroethene	8260C	18.8	20.0	94	80-121
cis-1,3-Dichloropropene	8260C	19.6	20.0	98	77-122
m,p-Xylenes	8260C	38.2	40.0	96	80-126
o-Xylene	8260C	19.1	20.0	95	79-123

Client: Stantec Consulting Group, Inc.
Project: RTP/190500390.465
Sample Matrix: Water

Service Request: R2306651
Date Analyzed: 08/08/23

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ2309996-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
trans-1,2-Dichloroethene	8260C	19.1	20.0	95	73-118
trans-1,3-Dichloropropene	8260C	20.4	20.0	102	71-133

January 31, 2024 Service Request No:R2400623

Rose Richelsen
Stantec Consulting Group, Inc.
61 Commercial St.
Rochester, NY 14614

Laboratory Results for: Rochester Tech Park

Dear Rose,

Enclosed are the results of the sample(s) submitted to our laboratory January 24, 2024
For your reference, these analyses have been assigned our service request number **R2400623.**

All testing was performed according to our laboratory's quality assurance program and met the requirements of the TNI standards except as noted in the case narrative report. Any testing not included in the lab's accreditation is identified on a Non-Certified Analytes report. All results are intended to be considered in their entirety. ALS Environmental is not responsible for use of less than the complete report. Results apply only to the individual samples submitted to the lab for analysis, as listed in the report. The measurement uncertainty of the results included in this report is within that expected when using the prescribed method(s), and represented by Laboratory Control Sample control limits. Any events, such as QC failures or Holding Time exceedances, which may add to the uncertainty are explained in the report narrative or are flagged with qualifiers. The flags are explained in the Report Qualifiers and Definitions page of this report.

Please contact me if you have any questions. My extension is 7476. You may also contact me via email at Chris.Leavy@alsglobal.com.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental

Christopher Leavy
Project Manager

ADDRESS 1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
PHONE +1 585 288 5380 | FAX +1 585 288 8475
ALS Group USA, Corp.
dba ALS Environmental

ALS Environmental
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Table of Contents

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Narrative Documents

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

1565 Jefferson Rd, Building 300, Rochester, NY 14623 | 585-288-5380 | www.alsglobal.com

Client: Stantec Consulting Group, Inc.
Project: Rochester Tech Park
Sample Matrix: Water

Service Request: R2400623
Date Received: 01/24/2024

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples for the Tier level IV requested by the client.

Sample Receipt:

Four water samples were received for analysis at ALS Environmental on 01/24/2024. Any discrepancies upon initial sample inspection are annotated on the sample receipt and preservation form included within this report. The samples were stored at minimum in accordance with the analytical method requirements.

Volatiles by GC/MS:

Method 8260C, 01/26/2024: The upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.

Method 8260C, 01/26/2024: The lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.

Method 8260C, 01/29/2024: The upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.

Approved by _____ Date 01/31/2024

Sample Receipt Information

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client: Stantec Consulting Group, Inc. **Service Request:**R2400623
Project: Rochester Tech Park/190500390.470

SAMPLE CROSS-REFERENCE

SAMPLE #	CLIENT SAMPLE ID	DATE	TIME
R2400623-001	RTP-PDW110-GW	1/24/2024	1412
R2400623-002	RTP-MW205-GW	1/24/2024	1543
R2400623-003	RTP-MW203-GW	1/23/2024	1235
R2400623-004	RTP-Trip Blank-W	1/23/2024	

Chain of Custody / Analytical Request Form

68619

SR#:

1565 Jefferson Road, Building 300, Suite 360 • Rochester, NY 14623 • +1 585 288 5380 • alsglobal.com

Page 1 of 1

Report To:	ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER
Company: Stantec	Project Name: Rochester Tech Park
Contact: Rose Richelsen	Project Number: 190500390.470
Email: rose.richelsen@stantec.com	ALS Quote #:
Phone: 585-733-2921	Sampler's Signature:
Address: 61 Commercial St., Suite 100, Rochester, NY 14614	Email CC: Kate.avdino@stantec.com
	Email CC: andrew.kita@stantec.com
	State Samples Collected (Circle or Write): (NY) MA, PA, CT, Other:

Preservative: 1

0. None
1. HCl
2. HNO3
3. H2SO4
4. NAOH
5. Zn Acet.
6. MeOH
7. NaHSO4
8. Other

Lab ID (ALS)	Sample Collection Information: Sample ID:	Date	Time	Matrix (GW, WW, SW, DW, S, L, NA)	Number of Containers	MS/MSD?	GC/MS VOA - 8260•624•524•TCLP	GC/MS SVOA - 8270 • 625 • TCLP	Pesticides - 8081 • 608 • TCLP	PCBs - 8082 • 608	Herbicides - 8151 • TCLP	Metals, Total - Select Below	Metals, Dissolved - Field / In-Lab Filter	Notes:
	RTP-PDW110-GW			GW	3	N	X							
	RTP-MW205-GW			GW	3	N	X							
	RTP-MW203-GW			GW	3	N	X							
	RTP-tripblank-W			W	3	N	X							

Special Instructions / Comments:

NYSDEC Equis EDD and
Stantec Equis 4 File EFWEDD

Turnaround Requirements

____Rush (Surcharges Apply)
Subject to Availability
Please Check with your PM
X Standard (10 Business Days)
Date Required:

Report Requirements

____Tier II/Cat A -Results/QC
X Tier IV/Cat B - Data Validation Report w/. Data
EDD: X Yes ____No
EDD Type: Cat B Equis EDD

Metals: RCRA 8•PP 13•TAL 23•TCLP•Other (List)

VOA/SVOA Report List: TCL • BTEX • TCLP • CP-51/Stars •THM • Other: _____

Invoice To: (X Same as Report To)

PO #:
Company:
Contact:
Email:

	Relinquished By:	Received By:	Relinquished By:	Received By:	Relinquished By:	Received By:
Signature						
Printed Name	Andrew Kita					
Company	Stantec	ALS				
Date/Time	1/24/24 1648	1/24/24 1658				

R2400623 5
Stantec Consulting Group, Inc.
Rochester Tech Park

Distribution: White - Lab Copy; Yellow - Return to Originator

Cooler Receipt and Preservatio

R2400623 5
Stantec Consulting Group, Inc.
Rochester Tech Park

Project/Client _____ Folder Number _____

Cooler received on 1/24/24 by: RR

COURIER: ALS UPS FEDEX VELOCITY (CLIENT)

1	Were **Custody seals** on outside of cooler?	(Y) N	5a	**Perchlorate** samples have required headspace?	Y N (NA)
2	**Custody papers** properly completed (ink, signed)?	(Y) N	5b	Did VOA vials, Alk, or Sulfide have sig* **bubbles**?	Y (N) NA
3	Did all bottles arrive in good **condition** (unbroken)?	(Y) N	6	Where did the bottles originate?	(ALS/ROC) CLIENT
4	Circle: (Wet Ice) **Dry Ice Gel packs** present?	(Y) N	7	Soil VOA received as: Bulk Encore 5035set	(NA)

8. Temperature Readings Date: 1/24 Time: 1700 ID: IR#12 (IR#11) From: Temp Blank (Sample Bottle)

Observed Temp (°C)	13.5						
Within 0-6°C?	Y (N)	Y N	Y N	Y N	Y N	Y N	Y N
If <0°C, were samples frozen?	Y N	Y N	Y N	Y N	Y N	Y N	Y N

If out of Temperature, note packing/ice condition: _____ Ice melted Poorly Packed (described below) Same Day Rule

&Client Approval to Run Samples: _____ Standing Approval Client aware at drop-off Client notified by: _____

All samples held in storage location: R02 by RR on 1/24 at 1700
5035 samples placed in storage location: _____ by _____ on _____ at _____ within 48 hours of sampling? Y N

Cooler Breakdown/Preservation Check**: Date: 1/25/24 Time: 0834 by: RR

9. Were all bottle labels complete (*i.e.* analysis, preservation, etc.)? (YES) NO
10. Did all bottle labels and tags agree with custody papers? YES (NO)
11. Were correct containers used for the tests indicated? (YES) NO
12. Were 5035 vials acceptable (no extra labels, not leaking)? YES NO (N/A)
13. Were dissolved metals filtered in the field? YES NO (N/A)
14. Air Samples: Cassettes / Tubes Intact Y / N with MS Y / N Canisters Pressurized Tedlar® Bags Inflated (N/A)

pH	Lot of test paper	Reagent	Preserved? Yes	Preserved? No	Lot Received	Exp	Sample-ID Adjusted	Vol. Added	Lot Added	Final pH
≥12		NaOH								
≤2		HNO_3								
≤2		H_2SO_4								
<4		$NaHSO_4$								
5-9		For 608pest			No=Notify for 3day					
Residual Chlorine (-)		For CN, Phenol, 625, 608pest, 522			If +, contact PM to add $Na_2S_2O_3$ (625, 608, CN), ascorbic (phenol).					
		$Na_2S_2O_3$								
		ZnAcetate	-	-			**VOAs and 1664 Not to be tested before analysis. Otherwise, all bottles of all samples with chemical preservatives are checked (not just representatives).			
		HCl	**	**	24001661	4/26				

Bottle lot numbers: 112723-3AXH
Explain all Discrepancies/ Other Comments:

HPROD	BULK
HTR	FLDT
SUB	HGFB
ALS	LL3541

Labels secondary reviewed by: RR
PC Secondary Review: _____

*significant air bubbles: VOA > 5-6 mm : WC >1 in. diameter

Miscellaneous Forms

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

REPORT QUALIFIERS AND DEFINITIONS

U	Analyte was analyzed for but not detected. The sample quantitation limit has been corrected for dilution and for percent moisture, unless otherwise noted in the case narrative.
J	Estimated value due to either being a Tentatively Identified Compound (TIC) or that the concentration is between the MRL and the MDL. Concentrations are not verified within the linear range of the calibration. For DoD: concentration >40% difference between two GC columns (pesticides/Arclors).
B	Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.
E	Inorganics- Concentration is estimated due to the serial dilution was outside control limits.
E	Organics- Concentration has exceeded the calibration range for that specific analysis.
D	Concentration is a result of a dilution, typically a secondary analysis of the sample due to exceeding the calibration range or that a surrogate has been diluted out of the sample and cannot be assessed.
*	Indicates that a quality control parameter has exceeded laboratory limits. Under the "Notes" column of the Form I, this qualifier denotes analysis was performed out of Holding Time.
H	Analysis was performed out of hold time for tests that have an "immediate" hold time criteria.
#	Spike was diluted out.
+	Correlation coefficient for MSA is <0.995.
N	Inorganics- Matrix spike recovery was outside laboratory limits.
N	Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.
S	Concentration has been determined using Method of Standard Additions (MSA).
W	Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.
P	Concentration >40% difference between the two GC columns.
C	Confirmed by GC/MS
Q	DoD reports: indicates a pesticide/Aroclor is not confirmed (≥100% Difference between two GC columns).
X	See Case Narrative for discussion.
MRL LOQ	Method Reporting Limit. Also known as: Limit of Quantitation (LOQ) The lowest concentration at which the method analyte may be reliably quantified under the method conditions.
MDL	Method Detection Limit. A statistical value derived from a study designed to provide the lowest concentration that will be detected 99% of the time. Values between the MDL and MRL are estimated (see J qualifier).
LOD	Limit of Detection. A value at or above the MDL which has been verified to be detectable.
ND	Non-Detect. Analyte was not detected at the concentration listed. Same as U qualifier.

Rochester Lab ID # for State Accreditations[1]

NELAP States
Florida ID # E87674
New Hampshire ID # 2941
New York ID # 10145
Pennsylvania ID# 68-786
Virginia #460167

Non-NELAP States
Connecticut ID #PH0556
Delaware Approved
Maine ID #NY01587
North Carolina #36701
North Carolina #676
Rhode Island LAO00333

[1] Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state or agency requirements. The test results meet requirements of the current NELAP/TNI standards or state or agency requirements, where applicable, except as noted in the case narrative. Since not all analyte/method/matrix combinations are offered for state/NELAC accreditation, this report may contain results which are not accredited. For a specific list of accredited analytes, contact the laboratory. To verify NH accredited analytes, go to https://www4.des.state.nh.us/CertifiedLabs/Certified-Method.aspx.

ALS Laboratory Group

Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2400623
Project:	Rochester Tech Park/190500390.470		

Sample Name:	RTP-PDW110-GW	**Date Collected:**	01/24/24
Lab Code:	R2400623-001	**Date Received:**	01/24/24
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

Sample Name:	RTP-MW205-GW	**Date Collected:**	01/24/24
Lab Code:	R2400623-002	**Date Received:**	01/24/24
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

Sample Name:	RTP-MW203-GW	**Date Collected:**	01/23/24
Lab Code:	R2400623-003	**Date Received:**	01/24/24
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

Sample Name:	RTP-Trip Blank-W	**Date Collected:**	01/23/24
Lab Code:	R2400623-004	**Date Received:**	01/24/24
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

The preparation methods associated with this report are found in these tables unless discussed in the case narrative.

Water/Liquid Matrix

Analytical Method	Preparation Method
200.7	200.2
200.8	200.2
6010C	3005A/3010A
6020A	ILM05.3
9034 Sulfide Acid Soluble	9030B
SM 4500-CN-E Residual Cyanide	SM 4500-CN-G
SM 4500-CN-E WAD Cyanide	SM 4500-CN-I

Solid/Soil/Non-Aqueous Matrix

Analytical Method	Preparation Method
6010C	3050B
6020A	3050B
6010C TCLP (1311) extract	3005A/3010A
6010 SPLP (1312) extract	3005A/3010A
7199	3060A
300.0 Anions/ 350.1/ 353.2/ SM 2320B/ SM 5210B/ 9056A Anions	DI extraction
For analytical methods not listed, the preparation method is the same as the analytical method reference.	

Sample Results

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Volatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2400623
Project:	Rochester Tech Park/190500390.470	**Date Collected:**	01/24/24 14:12
Sample Matrix:	Water	**Date Received:**	01/24/24 16:58
Sample Name:	RTP-PDW110-GW	**Units:**	ug/L
Lab Code:	R2400623-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	50 U	50	10	01/29/24 13:05	
1,1,2,2-Tetrachloroethane	50 U	50	10	01/29/24 13:05	
1,1,2-Trichloroethane	50 U	50	10	01/29/24 13:05	
1,1-Dichloroethane (1,1-DCA)	50 U	50	10	01/29/24 13:05	
1,1-Dichloroethene (1,1-DCE)	50 U	50	10	01/29/24 13:05	
1,2-Dichloroethane	50 U	50	10	01/29/24 13:05	
1,2-Dichloropropane	50 U	50	10	01/29/24 13:05	
2-Butanone (MEK)	100 U	100	10	01/29/24 13:05	
2-Hexanone	100 U	100	10	01/29/24 13:05	
4-Methyl-2-pentanone	100 U	100	10	01/29/24 13:05	
Acetone	100 U	100	10	01/29/24 13:05	
Benzene	50 U	50	10	01/29/24 13:05	
Bromodichloromethane	50 U	50	10	01/29/24 13:05	
Bromoform	50 U	50	10	01/29/24 13:05	
Bromomethane	50 U	50	10	01/29/24 13:05	
Carbon Disulfide	100 U	100	10	01/29/24 13:05	
Carbon Tetrachloride	50 U	50	10	01/29/24 13:05	
Chlorobenzene	50 U	50	10	01/29/24 13:05	
Chloroethane	50 U	50	10	01/29/24 13:05	
Chloroform	50 U	50	10	01/29/24 13:05	
Chloromethane	50 U	50	10	01/29/24 13:05	
Dibromochloromethane	50 U	50	10	01/29/24 13:05	
Dichloromethane	50 U	50	10	01/29/24 13:05	
Ethylbenzene	50 U	50	10	01/29/24 13:05	
Styrene	50 U	50	10	01/29/24 13:05	
Tetrachloroethene (PCE)	50 U	50	10	01/29/24 13:05	
Toluene	50 U	50	10	01/29/24 13:05	
Trichloroethene (TCE)	**1200**	50	10	01/29/24 13:05	
Vinyl Chloride	50 U	50	10	01/29/24 13:05	
cis-1,2-Dichloroethene	50 U	50	10	01/29/24 13:05	
cis-1,3-Dichloropropene	50 U	50	10	01/29/24 13:05	
m,p-Xylenes	50 U	50	10	01/29/24 13:05	
o-Xylene	50 U	50	10	01/29/24 13:05	
trans-1,2-Dichloroethene	50 U	50	10	01/29/24 13:05	
trans-1,3-Dichloropropene	50 U	50	10	01/29/24 13:05	

Analytical Report

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2400623
Project:	Rochester Tech Park/190500390.470	**Date Collected:**	01/24/24 14:12
Sample Matrix:	Water	**Date Received:**	01/24/24 16:58
Sample Name:	RTP-PDW110-GW	**Units:**	ug/L
Lab Code:	R2400623-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	94	85 - 122	01/29/24 13:05	
Dibromofluoromethane	97	80 - 116	01/29/24 13:05	
Toluene-d8	99	87 - 121	01/29/24 13:05	

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2400623
Project:	Rochester Tech Park/190500390.470	**Date Collected:**	01/24/24 15:43
Sample Matrix:	Water	**Date Received:**	01/24/24 16:58
Sample Name:	RTP-MW205-GW	**Units:**	ug/L
Lab Code:	R2400623-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	25 U	25	5	01/29/24 13:28	
1,1,2,2-Tetrachloroethane	25 U	25	5	01/29/24 13:28	
1,1,2-Trichloroethane	25 U	25	5	01/29/24 13:28	
1,1-Dichloroethane (1,1-DCA)	25 U	25	5	01/29/24 13:28	
1,1-Dichloroethene (1,1-DCE)	25 U	25	5	01/29/24 13:28	
1,2-Dichloroethane	25 U	25	5	01/29/24 13:28	
1,2-Dichloropropane	25 U	25	5	01/29/24 13:28	
2-Butanone (MEK)	50 U	50	5	01/29/24 13:28	
2-Hexanone	50 U	50	5	01/29/24 13:28	
4-Methyl-2-pentanone	50 U	50	5	01/29/24 13:28	
Acetone	50 U	50	5	01/29/24 13:28	
Benzene	25 U	25	5	01/29/24 13:28	
Bromodichloromethane	25 U	25	5	01/29/24 13:28	
Bromoform	25 U	25	5	01/29/24 13:28	
Bromomethane	25 U	25	5	01/29/24 13:28	
Carbon Disulfide	50 U	50	5	01/29/24 13:28	
Carbon Tetrachloride	25 U	25	5	01/29/24 13:28	
Chlorobenzene	25 U	25	5	01/29/24 13:28	
Chloroethane	25 U	25	5	01/29/24 13:28	
Chloroform	25 U	25	5	01/29/24 13:28	
Chloromethane	25 U	25	5	01/29/24 13:28	
Dibromochloromethane	25 U	25	5	01/29/24 13:28	
Dichloromethane	25 U	25	5	01/29/24 13:28	
Ethylbenzene	25 U	25	5	01/29/24 13:28	
Styrene	25 U	25	5	01/29/24 13:28	
Tetrachloroethene (PCE)	25 U	25	5	01/29/24 13:28	
Toluene	25 U	25	5	01/29/24 13:28	
Trichloroethene (TCE)	**630**	25	5	01/29/24 13:28	
Vinyl Chloride	25 U	25	5	01/29/24 13:28	
cis-1,2-Dichloroethene	25 U	25	5	01/29/24 13:28	
cis-1,3-Dichloropropene	25 U	25	5	01/29/24 13:28	
m,p-Xylenes	25 U	25	5	01/29/24 13:28	
o-Xylene	25 U	25	5	01/29/24 13:28	
trans-1,2-Dichloroethene	25 U	25	5	01/29/24 13:28	
trans-1,3-Dichloropropene	25 U	25	5	01/29/24 13:28	

Analytical Report

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2400623
Project:	Rochester Tech Park/190500390.470	**Date Collected:**	01/24/24 15:43
Sample Matrix:	Water	**Date Received:**	01/24/24 16:58
Sample Name:	RTP-MW205-GW	**Units:**	ug/L
Lab Code:	R2400623-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	94	85 - 122	01/29/24 13:28	
Dibromofluoromethane	94	80 - 116	01/29/24 13:28	
Toluene-d8	99	87 - 121	01/29/24 13:28	

Analytical Report

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2400623
Project:	Rochester Tech Park/190500390.470	**Date Collected:**	01/23/24 12:35
Sample Matrix:	Water	**Date Received:**	01/24/24 16:58
Sample Name:	RTP-MW203-GW	**Units:**	ug/L
Lab Code:	R2400623-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	50 U	50	10	01/29/24 13:51	
1,1,2,2-Tetrachloroethane	50 U	50	10	01/29/24 13:51	
1,1,2-Trichloroethane	50 U	50	10	01/29/24 13:51	
1,1-Dichloroethane (1,1-DCA)	50 U	50	10	01/29/24 13:51	
1,1-Dichloroethene (1,1-DCE)	50 U	50	10	01/29/24 13:51	
1,2-Dichloroethane	50 U	50	10	01/29/24 13:51	
1,2-Dichloropropane	50 U	50	10	01/29/24 13:51	
2-Butanone (MEK)	100 U	100	10	01/29/24 13:51	
2-Hexanone	100 U	100	10	01/29/24 13:51	
4-Methyl-2-pentanone	100 U	100	10	01/29/24 13:51	
Acetone	100 U	100	10	01/29/24 13:51	
Benzene	50 U	50	10	01/29/24 13:51	
Bromodichloromethane	50 U	50	10	01/29/24 13:51	
Bromoform	50 U	50	10	01/29/24 13:51	
Bromomethane	50 U	50	10	01/29/24 13:51	
Carbon Disulfide	100 U	100	10	01/29/24 13:51	
Carbon Tetrachloride	50 U	50	10	01/29/24 13:51	
Chlorobenzene	50 U	50	10	01/29/24 13:51	
Chloroethane	50 U	50	10	01/29/24 13:51	
Chloroform	50 U	50	10	01/29/24 13:51	
Chloromethane	50 U	50	10	01/29/24 13:51	
Dibromochloromethane	50 U	50	10	01/29/24 13:51	
Dichloromethane	50 U	50	10	01/29/24 13:51	
Ethylbenzene	50 U	50	10	01/29/24 13:51	
Styrene	50 U	50	10	01/29/24 13:51	
Tetrachloroethene (PCE)	50 U	50	10	01/29/24 13:51	
Toluene	50 U	50	10	01/29/24 13:51	
Trichloroethene (TCE)	**1300**	50	10	01/29/24 13:51	
Vinyl Chloride	50 U	50	10	01/29/24 13:51	
cis-1,2-Dichloroethene	50 U	50	10	01/29/24 13:51	
cis-1,3-Dichloropropene	50 U	50	10	01/29/24 13:51	
m,p-Xylenes	50 U	50	10	01/29/24 13:51	
o-Xylene	50 U	50	10	01/29/24 13:51	
trans-1,2-Dichloroethene	50 U	50	10	01/29/24 13:51	
trans-1,3-Dichloropropene	50 U	50	10	01/29/24 13:51	

Analytical Report

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2400623
Project:	Rochester Tech Park/190500390.470	**Date Collected:**	01/23/24 12:35
Sample Matrix:	Water	**Date Received:**	01/24/24 16:58
Sample Name:	RTP-MW203-GW	**Units:**	ug/L
Lab Code:	R2400623-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	96	85 - 122	01/29/24 13:51	
Dibromofluoromethane	96	80 - 116	01/29/24 13:51	
Toluene-d8	100	87 - 121	01/29/24 13:51	

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2400623
Project:	Rochester Tech Park/190500390.470	**Date Collected:**	01/23/24
Sample Matrix:	Water	**Date Received:**	01/24/24 16:58
Sample Name:	RTP-Trip Blank-W	**Units:**	ug/L
Lab Code:	R2400623-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	01/26/24 19:55	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	01/26/24 19:55	
1,1,2-Trichloroethane	5.0 U	5.0	1	01/26/24 19:55	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	01/26/24 19:55	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	01/26/24 19:55	
1,2-Dichloroethane	5.0 U	5.0	1	01/26/24 19:55	
1,2-Dichloropropane	5.0 U	5.0	1	01/26/24 19:55	
2-Butanone (MEK)	10 U	10	1	01/26/24 19:55	
2-Hexanone	10 U	10	1	01/26/24 19:55	
4-Methyl-2-pentanone	10 U	10	1	01/26/24 19:55	
Acetone	10 U	10	1	01/26/24 19:55	
Benzene	5.0 U	5.0	1	01/26/24 19:55	
Bromodichloromethane	5.0 U	5.0	1	01/26/24 19:55	
Bromoform	5.0 U	5.0	1	01/26/24 19:55	
Bromomethane	5.0 U	5.0	1	01/26/24 19:55	
Carbon Disulfide	10 U	10	1	01/26/24 19:55	
Carbon Tetrachloride	5.0 U	5.0	1	01/26/24 19:55	
Chlorobenzene	5.0 U	5.0	1	01/26/24 19:55	
Chloroethane	5.0 U	5.0	1	01/26/24 19:55	
Chloroform	5.0 U	5.0	1	01/26/24 19:55	
Chloromethane	5.0 U	5.0	1	01/26/24 19:55	
Dibromochloromethane	5.0 U	5.0	1	01/26/24 19:55	
Dichloromethane	5.0 U	5.0	1	01/26/24 19:55	
Ethylbenzene	5.0 U	5.0	1	01/26/24 19:55	
Styrene	5.0 U	5.0	1	01/26/24 19:55	
Tetrachloroethene (PCE)	5.0 U	5.0	1	01/26/24 19:55	
Toluene	5.0 U	5.0	1	01/26/24 19:55	
Trichloroethene (TCE)	5.0 U	5.0	1	01/26/24 19:55	
Vinyl Chloride	5.0 U	5.0	1	01/26/24 19:55	
cis-1,2-Dichloroethene	5.0 U	5.0	1	01/26/24 19:55	
cis-1,3-Dichloropropene	5.0 U	5.0	1	01/26/24 19:55	
m,p-Xylenes	5.0 U	5.0	1	01/26/24 19:55	
o-Xylene	5.0 U	5.0	1	01/26/24 19:55	
trans-1,2-Dichloroethene	5.0 U	5.0	1	01/26/24 19:55	
trans-1,3-Dichloropropene	5.0 U	5.0	1	01/26/24 19:55	

Analytical Report

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2400623
Project:	Rochester Tech Park/190500390.470	**Date Collected:**	01/23/24
Sample Matrix:	Water	**Date Received:**	01/24/24 16:58
Sample Name:	RTP-Trip Blank-W	**Units:**	ug/L
Lab Code:	R2400623-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	85 - 122	01/26/24 19:55	
Dibromofluoromethane	96	80 - 116	01/26/24 19:55	
Toluene-d8	102	87 - 121	01/26/24 19:55	

QC Summary Forms

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Volatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client: Stantec Consulting Group, Inc. **Service Request:** R2400623
Project: Rochester Tech Park/190500390.470
Sample Matrix: Water

SURROGATE RECOVERY SUMMARY
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Extraction Method: EPA 5030C

Sample Name	Lab Code	4-Bromofluorobenzene 85 - 122	Dibromofluoromethane 80 - 116	Toluene-d8 87 - 121
RTP-PDW110-GW	R2400623-001	94	97	99
RTP-MW205-GW	R2400623-002	94	94	99
RTP-MW203-GW	R2400623-003	96	96	100
RTP-Trip Blank-W	R2400623-004	100	96	102
Lab Control Sample	RQ2400943-04	96	94	99
Method Blank	RQ2400943-06	94	91	98
Lab Control Sample	RQ2400994-03	94	93	98
Method Blank	RQ2400994-04	94	93	99

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2400623
Project:	Rochester Tech Park/190500390.470	**Date Analyzed:**	01/26/24 13:29
Sample Matrix:	Water	**Date Extracted:**	

Method Blank Summary
Volatile Organic Compounds by GC/MS

Sample Name:	Method Blank	**Instrument ID:**	R-MS-10
Lab Code:	RQ2400943-06	**File ID:**	I:\ACQUDATA\msvoa10\data\012624\D4956.D\
Analysis Method:	8260C	**Analysis Lot:**	830688
Prep Method:	EPA 5030C		

This Method Blank applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Lab Control Sample	RQ2400943-04	I:\ACQUDATA\msvoa10\data\012624\D4953.D\	01/26/24 12:10
RTP-Trip Blank-W	R2400623-004	I:\ACQUDATA\msvoa10\data\012624\D4973.D\	01/26/24 19:55

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2400623
Project:	Rochester Tech Park/190500390.470	**Date Analyzed:**	01/29/24 12:42
Sample Matrix:	Water	**Date Extracted:**	

Method Blank Summary
Volatile Organic Compounds by GC/MS

Sample Name:	Method Blank	**Instrument ID:**	R-MS-10
Lab Code:	RQ2400994-04	**File ID:**	I:\ACQUDATA\msvoa10\data\012924\D4989.D\
Analysis Method:	8260C	**Analysis Lot:**	830799
Prep Method:	EPA 5030C		

This Method Blank applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Lab Control Sample	RQ2400994-03	I:\ACQUDATA\msvoa10\data\012924\D4986.D\	01/29/24 11:23
RTP-PDW110-GW	R2400623-001	I:\ACQUDATA\msvoa10\data\012924\D4990.D\	01/29/24 13:05
RTP-MW205-GW	R2400623-002	I:\ACQUDATA\msvoa10\data\012924\D4991.D\	01/29/24 13:28
RTP-MW203-GW	R2400623-003	I:\ACQUDATA\msvoa10\data\012924\D4992.D\	01/29/24 13:51

Analytical Report

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2400623
Project:	Rochester Tech Park/190500390.470	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2400943-06	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	01/26/24 13:29	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	01/26/24 13:29	
1,1,2-Trichloroethane	5.0 U	5.0	1	01/26/24 13:29	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	01/26/24 13:29	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	01/26/24 13:29	
1,2-Dichloroethane	5.0 U	5.0	1	01/26/24 13:29	
1,2-Dichloropropane	5.0 U	5.0	1	01/26/24 13:29	
2-Butanone (MEK)	10 U	10	1	01/26/24 13:29	
2-Hexanone	10 U	10	1	01/26/24 13:29	
4-Methyl-2-pentanone	10 U	10	1	01/26/24 13:29	
Acetone	10 U	10	1	01/26/24 13:29	
Benzene	5.0 U	5.0	1	01/26/24 13:29	
Bromodichloromethane	5.0 U	5.0	1	01/26/24 13:29	
Bromoform	5.0 U	5.0	1	01/26/24 13:29	
Bromomethane	5.0 U	5.0	1	01/26/24 13:29	
Carbon Disulfide	10 U	10	1	01/26/24 13:29	
Carbon Tetrachloride	5.0 U	5.0	1	01/26/24 13:29	
Chlorobenzene	5.0 U	5.0	1	01/26/24 13:29	
Chloroethane	5.0 U	5.0	1	01/26/24 13:29	
Chloroform	5.0 U	5.0	1	01/26/24 13:29	
Chloromethane	5.0 U	5.0	1	01/26/24 13:29	
Dibromochloromethane	5.0 U	5.0	1	01/26/24 13:29	
Dichloromethane	5.0 U	5.0	1	01/26/24 13:29	
Ethylbenzene	5.0 U	5.0	1	01/26/24 13:29	
Styrene	5.0 U	5.0	1	01/26/24 13:29	
Tetrachloroethene (PCE)	5.0 U	5.0	1	01/26/24 13:29	
Toluene	5.0 U	5.0	1	01/26/24 13:29	
Trichloroethene (TCE)	5.0 U	5.0	1	01/26/24 13:29	
Vinyl Chloride	5.0 U	5.0	1	01/26/24 13:29	
cis-1,2-Dichloroethene	5.0 U	5.0	1	01/26/24 13:29	
cis-1,3-Dichloropropene	5.0 U	5.0	1	01/26/24 13:29	
m,p-Xylenes	5.0 U	5.0	1	01/26/24 13:29	
o-Xylene	5.0 U	5.0	1	01/26/24 13:29	
trans-1,2-Dichloroethene	5.0 U	5.0	1	01/26/24 13:29	
trans-1,3-Dichloropropene	5.0 U	5.0	1	01/26/24 13:29	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2400623
Project:	Rochester Tech Park/190500390.470	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2400943-06	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	94	85 - 122	01/26/24 13:29	
Dibromofluoromethane	91	80 - 116	01/26/24 13:29	
Toluene-d8	98	87 - 121	01/26/24 13:29	

Analytical Report

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2400623
Project:	Rochester Tech Park/190500390.470	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2400994-04	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	01/29/24 12:42	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	01/29/24 12:42	
1,1,2-Trichloroethane	5.0 U	5.0	1	01/29/24 12:42	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	01/29/24 12:42	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	01/29/24 12:42	
1,2-Dichloroethane	5.0 U	5.0	1	01/29/24 12:42	
1,2-Dichloropropane	5.0 U	5.0	1	01/29/24 12:42	
2-Butanone (MEK)	10 U	10	1	01/29/24 12:42	
2-Hexanone	10 U	10	1	01/29/24 12:42	
4-Methyl-2-pentanone	10 U	10	1	01/29/24 12:42	
Acetone	10 U	10	1	01/29/24 12:42	
Benzene	5.0 U	5.0	1	01/29/24 12:42	
Bromodichloromethane	5.0 U	5.0	1	01/29/24 12:42	
Bromoform	5.0 U	5.0	1	01/29/24 12:42	
Bromomethane	5.0 U	5.0	1	01/29/24 12:42	
Carbon Disulfide	10 U	10	1	01/29/24 12:42	
Carbon Tetrachloride	5.0 U	5.0	1	01/29/24 12:42	
Chlorobenzene	5.0 U	5.0	1	01/29/24 12:42	
Chloroethane	5.0 U	5.0	1	01/29/24 12:42	
Chloroform	5.0 U	5.0	1	01/29/24 12:42	
Chloromethane	5.0 U	5.0	1	01/29/24 12:42	
Dibromochloromethane	5.0 U	5.0	1	01/29/24 12:42	
Dichloromethane	5.0 U	5.0	1	01/29/24 12:42	
Ethylbenzene	5.0 U	5.0	1	01/29/24 12:42	
Styrene	5.0 U	5.0	1	01/29/24 12:42	
Tetrachloroethene (PCE)	5.0 U	5.0	1	01/29/24 12:42	
Toluene	5.0 U	5.0	1	01/29/24 12:42	
Trichloroethene (TCE)	5.0 U	5.0	1	01/29/24 12:42	
Vinyl Chloride	5.0 U	5.0	1	01/29/24 12:42	
cis-1,2-Dichloroethene	5.0 U	5.0	1	01/29/24 12:42	
cis-1,3-Dichloropropene	5.0 U	5.0	1	01/29/24 12:42	
m,p-Xylenes	5.0 U	5.0	1	01/29/24 12:42	
o-Xylene	5.0 U	5.0	1	01/29/24 12:42	
trans-1,2-Dichloroethene	5.0 U	5.0	1	01/29/24 12:42	
trans-1,3-Dichloropropene	5.0 U	5.0	1	01/29/24 12:42	

Analytical Report

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2400623
Project:	Rochester Tech Park/190500390.470	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2400994-04	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	94	85 - 122	01/29/24 12:42	
Dibromofluoromethane	93	80 - 116	01/29/24 12:42	
Toluene-d8	99	87 - 121	01/29/24 12:42	

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2400623
Project:	Rochester Tech Park/190500390.470	**Date Analyzed:**	01/26/24 12:10
Sample Matrix:	Water	**Date Extracted:**	

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Sample Name: Lab Control Sample
Lab Code: RQ2400943-04
Instrument ID: R-MS-10
File ID: I:\ACQUDATA\msvoa10\data\012624\D4953.D\

Analysis Method: 8260C
Prep Method: EPA 5030C
Analysis Lot: 830688

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Method Blank	RQ2400943-06	I:\ACQUDATA\msvoa10\data\012624\D4956.D\	01/26/24 13:29
RTP-Trip Blank-W	R2400623-004	I:\ACQUDATA\msvoa10\data\012624\D4973.D\	01/26/24 19:55

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2400623
Project:	Rochester Tech Park/190500390.470	**Date Analyzed:**	01/29/24 11:23
Sample Matrix:	Water	**Date Extracted:**	

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Sample Name:	Lab Control Sample	**Instrument ID:**	R-MS-10
Lab Code:	RQ2400994-03	**File ID:**	I:\ACQUDATA\msvoa10\data\012924\D4986.D\
Analysis Method:	8260C	**Analysis Lot:**	830799
Prep Method:	EPA 5030C		

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Method Blank	RQ2400994-04	I:\ACQUDATA\msvoa10\data\012924\D4989.D\	01/29/24 12:42
RTP-PDW110-GW	R2400623-001	I:\ACQUDATA\msvoa10\data\012924\D4990.D\	01/29/24 13:05
RTP-MW205-GW	R2400623-002	I:\ACQUDATA\msvoa10\data\012924\D4991.D\	01/29/24 13:28
RTP-MW203-GW	R2400623-003	I:\ACQUDATA\msvoa10\data\012924\D4992.D\	01/29/24 13:51

Client: Stantec Consulting Group, Inc.
Project: Rochester Tech Park/190500390.470
Sample Matrix: Water

Service Request: R2400623
Date Analyzed: 01/26/24

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ2400943-04

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
1,1,1-Trichloroethane (TCA)	8260C	19.7	20.0	99	75-125
1,1,2,2-Tetrachloroethane	8260C	18.1	20.0	91	78-126
1,1,2-Trichloroethane	8260C	19.0	20.0	95	82-121
1,1-Dichloroethane (1,1-DCA)	8260C	19.9	20.0	99	80-124
1,1-Dichloroethene (1,1-DCE)	8260C	17.6	20.0	88	69-142
1,2-Dichloroethane	8260C	20.3	20.0	101	71-127
1,2-Dichloropropane	8260C	19.8	20.0	99	80-119
2-Butanone (MEK)	8260C	16.2	20.0	81	61-137
2-Hexanone	8260C	18.7	20.0	93	63-124
4-Methyl-2-pentanone	8260C	18.9	20.0	94	66-124
Acetone	8260C	16.3	20.0	82	40-161
Benzene	8260C	20.2	20.0	101	79-119
Bromodichloromethane	8260C	20.6	20.0	103	81-123
Bromoform	8260C	20.8	20.0	104	65-146
Bromomethane	8260C	25.3	20.0	127	42-166
Carbon Disulfide	8260C	17.5	20.0	88	66-128
Carbon Tetrachloride	8260C	18.9	20.0	94	70-127
Chlorobenzene	8260C	20.7	20.0	104	80-121
Chloroethane	8260C	15.6	20.0	78	62-131
Chloroform	8260C	20.4	20.0	102	79-120
Chloromethane	8260C	17.8	20.0	89	72-179
Dibromochloromethane	8260C	19.1	20.0	96	72-128
Dichloromethane	8260C	20.6	20.0	103	73-122
Ethylbenzene	8260C	20.4	20.0	102	76-120
Styrene	8260C	21.6	20.0	108	80-124
Tetrachloroethene (PCE)	8260C	20.0	20.0	100	72-125
Toluene	8260C	19.7	20.0	98	79-119
Trichloroethene (TCE)	8260C	19.1	20.0	96	74-122
Vinyl Chloride	8260C	17.3	20.0	86	74-159
cis-1,2-Dichloroethene	8260C	18.6	20.0	93	80-121
cis-1,3-Dichloropropene	8260C	19.8	20.0	99	77-122
m,p-Xylenes	8260C	41.7	40.0	104	80-126
o-Xylene	8260C	20.8	20.0	104	79-123

Client: Stantec Consulting Group, Inc.
Project: Rochester Tech Park/190500390.470
Sample Matrix: Water

Service Request: R2400623
Date Analyzed: 01/26/24

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ2400943-04

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
trans-1,2-Dichloroethene	8260C	17.8	20.0	89	73-118
trans-1,3-Dichloropropene	8260C	19.5	20.0	97	71-133

Client: Stantec Consulting Group, Inc.
Project: Rochester Tech Park/190500390.470
Sample Matrix: Water

Service Request: R2400623
Date Analyzed: 01/29/24

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ2400994-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
1,1,1-Trichloroethane (TCA)	8260C	19.9	20.0	99	75-125
1,1,2,2-Tetrachloroethane	8260C	16.4	20.0	82	78-126
1,1,2-Trichloroethane	8260C	17.4	20.0	87	82-121
1,1-Dichloroethane (1,1-DCA)	8260C	20.4	20.0	102	80-124
1,1-Dichloroethene (1,1-DCE)	8260C	18.9	20.0	95	69-142
1,2-Dichloroethane	8260C	19.9	20.0	100	71-127
1,2-Dichloropropane	8260C	19.1	20.0	96	80-119
2-Butanone (MEK)	8260C	14.3	20.0	72	61-137
2-Hexanone	8260C	14.9	20.0	74	63-124
4-Methyl-2-pentanone	8260C	16.3	20.0	82	66-124
Acetone	8260C	13.7	20.0	69	40-161
Benzene	8260C	20.2	20.0	101	79-119
Bromodichloromethane	8260C	20.7	20.0	104	81-123
Bromoform	8260C	21.2	20.0	106	65-146
Bromomethane	8260C	27.2	20.0	136	42-166
Carbon Disulfide	8260C	19.3	20.0	97	66-128
Carbon Tetrachloride	8260C	20.2	20.0	101	70-127
Chlorobenzene	8260C	20.7	20.0	104	80-121
Chloroethane	8260C	15.5	20.0	77	62-131
Chloroform	8260C	21.4	20.0	107	79-120
Chloromethane	8260C	17.5	20.0	87	72-179
Dibromochloromethane	8260C	19.2	20.0	96	72-128
Dichloromethane	8260C	19.8	20.0	99	73-122
Ethylbenzene	8260C	19.6	20.0	98	76-120
Styrene	8260C	20.3	20.0	102	80-124
Tetrachloroethene (PCE)	8260C	19.8	20.0	99	72-125
Toluene	8260C	19.5	20.0	97	79-119
Trichloroethene (TCE)	8260C	18.7	20.0	94	74-122
Vinyl Chloride	8260C	16.8	20.0	84	74-159
cis-1,2-Dichloroethene	8260C	19.1	20.0	95	80-121
cis-1,3-Dichloropropene	8260C	19.9	20.0	99	77-122
m,p-Xylenes	8260C	39.9	40.0	100	80-126
o-Xylene	8260C	19.5	20.0	98	79-123

Client: Stantec Consulting Group, Inc.
Project: Rochester Tech Park/190500390.470
Sample Matrix: Water

Service Request: R2400623
Date Analyzed: 01/29/24

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ2400994-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
trans-1,2-Dichloroethene	8260C	18.6	20.0	93	73-118
trans-1,3-Dichloropropene	8260C	19.0	20.0	95	71-133

Client: Stantec Consulting Group, Inc. **Service Request:**R2400623
Project: Rochester Tech Park/190500390.470 **Date Analyzed:**01/26/24 10:42

Tune Summary
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\msvoa10\data\012624\D4950.D\ **Analytical Method:** 8260C
Instrument ID: R-MS-10 **Analysis Lot:** 830688

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Result Pass/Fail
50	95	15	40	29.3	38691	Pass
75	95	30	60	55.1	72749	Pass
95	95	100	100	100.0	131944	Pass
96	95	5	9	6.7	8860	Pass
173	174	0	2	0.5	633	Pass
174	95	50	120	101.9	134477	Pass
175	174	5	9	7.1	9578	Pass
176	174	95	101	96.1	129211	Pass
177	176	5	9	6.6	8499	Pass

Sample Name	Lab Code	File ID:	Date Analyzed:	Q
Continuing Calibration Verification	RQ2400943-02	I:\ACQUDATA\msvoa10\data\012624\D4951.D\	01/26/24 11:14	
Lab Control Sample	RQ2400943-04	I:\ACQUDATA\msvoa10\data\012624\D4953.D\	01/26/24 12:10	
Method Blank	RQ2400943-06	I:\ACQUDATA\msvoa10\data\012624\D4956.D\	01/26/24 13:29	
RTP-Trip Blank-W	R2400623-004	I:\ACQUDATA\msvoa10\data\012624\D4973.D\	01/26/24 19:55	

Client: Stantec Consulting Group, Inc. **Service Request:**R2400623
Project: Rochester Tech Park/190500390.470 **Date Analyzed:**01/29/24 09:39

Tune Summary
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\msvoa10\data\012924\D4983.D\ **Analytical Method:** 8260C
Instrument ID: R-MS-10 **Analysis Lot:** 830799

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Result Pass/Fail
50	95	15	40	28.6	12972	Pass
75	95	30	60	55.6	25270	Pass
95	95	100	100	100.0	45410	Pass
96	95	5	9	6.4	2901	Pass
173	174	0	2	1.9	874	Pass
174	95	50	120	102.9	46706	Pass
175	174	5	9	8.0	3730	Pass
176	174	95	101	95.5	44594	Pass
177	176	5	9	5.8	2583	Pass

Sample Name	Lab Code	File ID:	Date Analyzed:	Q
Continuing Calibration Verification	RQ2400994-02	I:\ACQUDATA\msvoa10\data\012924\D4985.D\	01/29/24 10:51	
Lab Control Sample	RQ2400994-03	I:\ACQUDATA\msvoa10\data\012924\D4986.D\	01/29/24 11:23	
Method Blank	RQ2400994-04	I:\ACQUDATA\msvoa10\data\012924\D4989.D\	01/29/24 12:42	
RTP-PDW110-GW	R2400623-001	I:\ACQUDATA\msvoa10\data\012924\D4990.D\	01/29/24 13:05	
RTP-MW205-GW	R2400623-002	I:\ACQUDATA\msvoa10\data\012924\D4991.D\	01/29/24 13:28	
RTP-MW203-GW	R2400623-003	I:\ACQUDATA\msvoa10\data\012924\D4992.D\	01/29/24 13:51	

Client: Stantec Consulting Group, Inc. **Service Request:**R2400623
Project: Rochester Tech Park/190500390.470 **Date Analyzed:**01/26/24 11:14

Internal Standard Area and RT SUMMARY
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\msvoa10\data\012624\D4951.D\ **Lab Code:**RQ2400943-02
Instrument ID: R-MS-10 **Analysis Lot:**830688
Analysis Method: 8260C **Signal ID:**1

		1,4-Dichlorobenzene-d4		1,4-Difluorobenzene		Chlorobenzene-d5	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Result ==>	241,873	11.93	445,466	6.6	413,443	9.89
	Upper Limit ==>	483,746	12.10	890,932	6.77	826,886	10.06
	Lower Limit ==>	120,937	11.76	222,733	6.43	206,722	9.72
Associated Analyses							
Lab Control Sample	RQ2400943-04	236880	11.93	454140	6.61	412553	9.89
Method Blank	RQ2400943-06	226324	11.93	449957	6.61	402234	9.89
RTP-Trip Blank-W	R2400623-004	218769	11.93	428402	6.60	393154	9.89

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Stantec Consulting Group, Inc. **Service Request:**R2400623
Project: Rochester Tech Park/190500390.470 **Date Analyzed:**01/26/24 11:14

Internal Standard Area and RT SUMMARY
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\msvoa10\data\012624\D4951.D\ **Lab Code:**RQ2400943-02
Instrument ID: R-MS-10 **Analysis Lot:**830688
Analysis Method: 8260C **Signal ID:**1

		Pentafluorobenzene	
		Area	**RT**
	Result ==>	347,054	5.54
	Upper Limit ==>	694,108	5.71
	Lower Limit ==>	173,527	5.37
Associated Analyses			
Lab Control Sample	RQ2400943-04	352316	5.54
Method Blank	RQ2400943-06	349425	5.54
RTP-Trip Blank-W	R2400623-004	332838	5.54

Client: Stantec Consulting Group, Inc. **Service Request:**R2400623
Project: Rochester Tech Park/190500390.470 **Date Analyzed:**01/29/24 10:51

Internal Standard Area and RT SUMMARY
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\msvoa10\data\012924\D4985.D\ **Lab Code:**RQ2400994-02
Instrument ID: R-MS-10 **Analysis Lot:**830799
Analysis Method: 8260C **Signal ID:**1

		1,4-Dichlorobenzene-d4		1,4-Difluorobenzene		Chlorobenzene-d5	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Result ==>	246,127	11.93	457,585	6.6	420,030	9.89
	Upper Limit ==>	492,254	12.10	915,170	6.77	840,060	10.06
	Lower Limit ==>	123,064	11.76	228,793	6.43	210,015	9.72
Associated Analyses							
Lab Control Sample	RQ2400994-03	241834	11.93	461791	6.60	423512	9.89
Method Blank	RQ2400994-04	215685	11.93	431904	6.61	397840	9.89
RTP-PDW110-GW	R2400623-001	205230	11.93	427275	6.61	385878	9.89
RTP-MW205-GW	R2400623-002	213361	11.93	427488	6.61	393671	9.89
RTP-MW203-GW	R2400623-003	212831	11.93	427037	6.60	383941	9.89

Client: Stantec Consulting Group, Inc. **Service Request:**R2400623
Project: Rochester Tech Park/190500390.470 **Date Analyzed:**01/29/24 10:51

Internal Standard Area and RT SUMMARY
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\msvoa10\data\012924\D4985.D\ **Lab Code:**RQ2400994-02
Instrument ID: R-MS-10 **Analysis Lot:**830799
Analysis Method: 8260C **Signal ID:**1

		Pentafluorobenzene	
		Area	**RT**
	Result ==>	355,781	5.54
	Upper Limit ==>	711,562	5.71
	Lower Limit ==>	177,891	5.37
Associated Analyses			
Lab Control Sample	RQ2400994-03	355966	5.54
Method Blank	RQ2400994-04	331627	5.54
RTP-PDW110-GW	R2400623-001	323669	5.54
RTP-MW205-GW	R2400623-002	330457	5.54
RTP-MW203-GW	R2400623-003	329064	5.54

Raw Data

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Volatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory
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www.alsglobal.com

Analytical Report

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2400623
Project:	Rochester Tech Park/190500390.470	**Date Collected:**	01/24/24 14:12
Sample Matrix:	Water	**Date Received:**	01/24/24 16:58
Sample Name:	RTP-PDW110-GW	**Units:**	ug/L
Lab Code:	R2400623-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	50 U	50	10	01/29/24 13:05	
1,1,2,2-Tetrachloroethane	50 U	50	10	01/29/24 13:05	
1,1,2-Trichloroethane	50 U	50	10	01/29/24 13:05	
1,1-Dichloroethane (1,1-DCA)	50 U	50	10	01/29/24 13:05	
1,1-Dichloroethene (1,1-DCE)	50 U	50	10	01/29/24 13:05	
1,2-Dichloroethane	50 U	50	10	01/29/24 13:05	
1,2-Dichloropropane	50 U	50	10	01/29/24 13:05	
2-Butanone (MEK)	100 U	100	10	01/29/24 13:05	
2-Hexanone	100 U	100	10	01/29/24 13:05	
4-Methyl-2-pentanone	100 U	100	10	01/29/24 13:05	
Acetone	100 U	100	10	01/29/24 13:05	
Benzene	50 U	50	10	01/29/24 13:05	
Bromodichloromethane	50 U	50	10	01/29/24 13:05	
Bromoform	50 U	50	10	01/29/24 13:05	
Bromomethane	50 U	50	10	01/29/24 13:05	
Carbon Disulfide	100 U	100	10	01/29/24 13:05	
Carbon Tetrachloride	50 U	50	10	01/29/24 13:05	
Chlorobenzene	50 U	50	10	01/29/24 13:05	
Chloroethane	50 U	50	10	01/29/24 13:05	
Chloroform	50 U	50	10	01/29/24 13:05	
Chloromethane	50 U	50	10	01/29/24 13:05	
Dibromochloromethane	50 U	50	10	01/29/24 13:05	
Dichloromethane	50 U	50	10	01/29/24 13:05	
Ethylbenzene	50 U	50	10	01/29/24 13:05	
Styrene	50 U	50	10	01/29/24 13:05	
Tetrachloroethene (PCE)	50 U	50	10	01/29/24 13:05	
Toluene	50 U	50	10	01/29/24 13:05	
Trichloroethene (TCE)	**1200**	50	10	01/29/24 13:05	
Vinyl Chloride	50 U	50	10	01/29/24 13:05	
cis-1,2-Dichloroethene	50 U	50	10	01/29/24 13:05	
cis-1,3-Dichloropropene	50 U	50	10	01/29/24 13:05	
m,p-Xylenes	50 U	50	10	01/29/24 13:05	
o-Xylene	50 U	50	10	01/29/24 13:05	
trans-1,2-Dichloroethene	50 U	50	10	01/29/24 13:05	
trans-1,3-Dichloropropene	50 U	50	10	01/29/24 13:05	

Analytical Report

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2400623
Project:	Rochester Tech Park/190500390.470	**Date Collected:**	01/24/24 14:12
Sample Matrix:	Water	**Date Received:**	01/24/24 16:58
Sample Name:	RTP-PDW110-GW	**Units:**	ug/L
Lab Code:	R2400623-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	94	85 - 122	01/29/24 13:05	
Dibromofluoromethane	97	80 - 116	01/29/24 13:05	
Toluene-d8	99	87 - 121	01/29/24 13:05	

Analytical Report

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2400623
Project:	Rochester Tech Park/190500390.470	**Date Collected:**	01/24/24 15:43
Sample Matrix:	Water	**Date Received:**	01/24/24 16:58
Sample Name:	RTP-MW205-GW	**Units:**	ug/L
Lab Code:	R2400623-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	25 U	25	5	01/29/24 13:28	
1,1,2,2-Tetrachloroethane	25 U	25	5	01/29/24 13:28	
1,1,2-Trichloroethane	25 U	25	5	01/29/24 13:28	
1,1-Dichloroethane (1,1-DCA)	25 U	25	5	01/29/24 13:28	
1,1-Dichloroethene (1,1-DCE)	25 U	25	5	01/29/24 13:28	
1,2-Dichloroethane	25 U	25	5	01/29/24 13:28	
1,2-Dichloropropane	25 U	25	5	01/29/24 13:28	
2-Butanone (MEK)	50 U	50	5	01/29/24 13:28	
2-Hexanone	50 U	50	5	01/29/24 13:28	
4-Methyl-2-pentanone	50 U	50	5	01/29/24 13:28	
Acetone	50 U	50	5	01/29/24 13:28	
Benzene	25 U	25	5	01/29/24 13:28	
Bromodichloromethane	25 U	25	5	01/29/24 13:28	
Bromoform	25 U	25	5	01/29/24 13:28	
Bromomethane	25 U	25	5	01/29/24 13:28	
Carbon Disulfide	50 U	50	5	01/29/24 13:28	
Carbon Tetrachloride	25 U	25	5	01/29/24 13:28	
Chlorobenzene	25 U	25	5	01/29/24 13:28	
Chloroethane	25 U	25	5	01/29/24 13:28	
Chloroform	25 U	25	5	01/29/24 13:28	
Chloromethane	25 U	25	5	01/29/24 13:28	
Dibromochloromethane	25 U	25	5	01/29/24 13:28	
Dichloromethane	25 U	25	5	01/29/24 13:28	
Ethylbenzene	25 U	25	5	01/29/24 13:28	
Styrene	25 U	25	5	01/29/24 13:28	
Tetrachloroethene (PCE)	25 U	25	5	01/29/24 13:28	
Toluene	25 U	25	5	01/29/24 13:28	
Trichloroethene (TCE)	**630**	25	5	01/29/24 13:28	
Vinyl Chloride	25 U	25	5	01/29/24 13:28	
cis-1,2-Dichloroethene	25 U	25	5	01/29/24 13:28	
cis-1,3-Dichloropropene	25 U	25	5	01/29/24 13:28	
m,p-Xylenes	25 U	25	5	01/29/24 13:28	
o-Xylene	25 U	25	5	01/29/24 13:28	
trans-1,2-Dichloroethene	25 U	25	5	01/29/24 13:28	
trans-1,3-Dichloropropene	25 U	25	5	01/29/24 13:28	

Analytical Report

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2400623
Project:	Rochester Tech Park/190500390.470	**Date Collected:**	01/24/24 15:43
Sample Matrix:	Water	**Date Received:**	01/24/24 16:58
Sample Name:	RTP-MW205-GW	**Units:**	ug/L
Lab Code:	R2400623-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	94	85 - 122	01/29/24 13:28	
Dibromofluoromethane	94	80 - 116	01/29/24 13:28	
Toluene-d8	99	87 - 121	01/29/24 13:28	

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2400623
Project:	Rochester Tech Park/190500390.470	**Date Collected:**	01/23/24 12:35
Sample Matrix:	Water	**Date Received:**	01/24/24 16:58
Sample Name:	RTP-MW203-GW	**Units:**	ug/L
Lab Code:	R2400623-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	50 U	50	10	01/29/24 13:51	
1,1,2,2-Tetrachloroethane	50 U	50	10	01/29/24 13:51	
1,1,2-Trichloroethane	50 U	50	10	01/29/24 13:51	
1,1-Dichloroethane (1,1-DCA)	50 U	50	10	01/29/24 13:51	
1,1-Dichloroethene (1,1-DCE)	50 U	50	10	01/29/24 13:51	
1,2-Dichloroethane	50 U	50	10	01/29/24 13:51	
1,2-Dichloropropane	50 U	50	10	01/29/24 13:51	
2-Butanone (MEK)	100 U	100	10	01/29/24 13:51	
2-Hexanone	100 U	100	10	01/29/24 13:51	
4-Methyl-2-pentanone	100 U	100	10	01/29/24 13:51	
Acetone	100 U	100	10	01/29/24 13:51	
Benzene	50 U	50	10	01/29/24 13:51	
Bromodichloromethane	50 U	50	10	01/29/24 13:51	
Bromoform	50 U	50	10	01/29/24 13:51	
Bromomethane	50 U	50	10	01/29/24 13:51	
Carbon Disulfide	100 U	100	10	01/29/24 13:51	
Carbon Tetrachloride	50 U	50	10	01/29/24 13:51	
Chlorobenzene	50 U	50	10	01/29/24 13:51	
Chloroethane	50 U	50	10	01/29/24 13:51	
Chloroform	50 U	50	10	01/29/24 13:51	
Chloromethane	50 U	50	10	01/29/24 13:51	
Dibromochloromethane	50 U	50	10	01/29/24 13:51	
Dichloromethane	50 U	50	10	01/29/24 13:51	
Ethylbenzene	50 U	50	10	01/29/24 13:51	
Styrene	50 U	50	10	01/29/24 13:51	
Tetrachloroethene (PCE)	50 U	50	10	01/29/24 13:51	
Toluene	50 U	50	10	01/29/24 13:51	
Trichloroethene (TCE)	**1300**	50	10	01/29/24 13:51	
Vinyl Chloride	50 U	50	10	01/29/24 13:51	
cis-1,2-Dichloroethene	50 U	50	10	01/29/24 13:51	
cis-1,3-Dichloropropene	50 U	50	10	01/29/24 13:51	
m,p-Xylenes	50 U	50	10	01/29/24 13:51	
o-Xylene	50 U	50	10	01/29/24 13:51	
trans-1,2-Dichloroethene	50 U	50	10	01/29/24 13:51	
trans-1,3-Dichloropropene	50 U	50	10	01/29/24 13:51	

Analytical Report

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2400623
Project:	Rochester Tech Park/190500390.470	**Date Collected:**	01/23/24 12:35
Sample Matrix:	Water	**Date Received:**	01/24/24 16:58
Sample Name:	RTP-MW203-GW	**Units:**	ug/L
Lab Code:	R2400623-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	96	85 - 122	01/29/24 13:51	
Dibromofluoromethane	96	80 - 116	01/29/24 13:51	
Toluene-d8	100	87 - 121	01/29/24 13:51	

Analytical Report

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2400623
Project:	Rochester Tech Park/190500390.470	**Date Collected:**	01/23/24
Sample Matrix:	Water	**Date Received:**	01/24/24 16:58
Sample Name:	RTP-Trip Blank-W	**Units:**	ug/L
Lab Code:	R2400623-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	01/26/24 19:55	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	01/26/24 19:55	
1,1,2-Trichloroethane	5.0 U	5.0	1	01/26/24 19:55	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	01/26/24 19:55	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	01/26/24 19:55	
1,2-Dichloroethane	5.0 U	5.0	1	01/26/24 19:55	
1,2-Dichloropropane	5.0 U	5.0	1	01/26/24 19:55	
2-Butanone (MEK)	10 U	10	1	01/26/24 19:55	
2-Hexanone	10 U	10	1	01/26/24 19:55	
4-Methyl-2-pentanone	10 U	10	1	01/26/24 19:55	
Acetone	10 U	10	1	01/26/24 19:55	
Benzene	5.0 U	5.0	1	01/26/24 19:55	
Bromodichloromethane	5.0 U	5.0	1	01/26/24 19:55	
Bromoform	5.0 U	5.0	1	01/26/24 19:55	
Bromomethane	5.0 U	5.0	1	01/26/24 19:55	
Carbon Disulfide	10 U	10	1	01/26/24 19:55	
Carbon Tetrachloride	5.0 U	5.0	1	01/26/24 19:55	
Chlorobenzene	5.0 U	5.0	1	01/26/24 19:55	
Chloroethane	5.0 U	5.0	1	01/26/24 19:55	
Chloroform	5.0 U	5.0	1	01/26/24 19:55	
Chloromethane	5.0 U	5.0	1	01/26/24 19:55	
Dibromochloromethane	5.0 U	5.0	1	01/26/24 19:55	
Dichloromethane	5.0 U	5.0	1	01/26/24 19:55	
Ethylbenzene	5.0 U	5.0	1	01/26/24 19:55	
Styrene	5.0 U	5.0	1	01/26/24 19:55	
Tetrachloroethene (PCE)	5.0 U	5.0	1	01/26/24 19:55	
Toluene	5.0 U	5.0	1	01/26/24 19:55	
Trichloroethene (TCE)	5.0 U	5.0	1	01/26/24 19:55	
Vinyl Chloride	5.0 U	5.0	1	01/26/24 19:55	
cis-1,2-Dichloroethene	5.0 U	5.0	1	01/26/24 19:55	
cis-1,3-Dichloropropene	5.0 U	5.0	1	01/26/24 19:55	
m,p-Xylenes	5.0 U	5.0	1	01/26/24 19:55	
o-Xylene	5.0 U	5.0	1	01/26/24 19:55	
trans-1,2-Dichloroethene	5.0 U	5.0	1	01/26/24 19:55	
trans-1,3-Dichloropropene	5.0 U	5.0	1	01/26/24 19:55	

Analytical Report

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2400623
Project:	Rochester Tech Park/190500390.470	**Date Collected:**	01/23/24
Sample Matrix:	Water	**Date Received:**	01/24/24 16:58
Sample Name:	RTP-Trip Blank-W	**Units:**	ug/L
Lab Code:	R2400623-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	85 - 122	01/26/24 19:55	
Dibromofluoromethane	96	80 - 116	01/26/24 19:55	
Toluene-d8	102	87 - 121	01/26/24 19:55	

1st FJ 01/30/24
2nd 01/30/24

Data Path : I:\ACQUDATA\msvoa10\data\012924\
Data File : D4990.D
Acq On : 29 Jan 2024 01:05 pm
Operator : F.NAEGLER
Sample : R2400623-001|10.0
Misc : SCG 6368 T4
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 29 15:27:39 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Fri Dec 08 14:34:38 2023
Response via : Initial Calibration

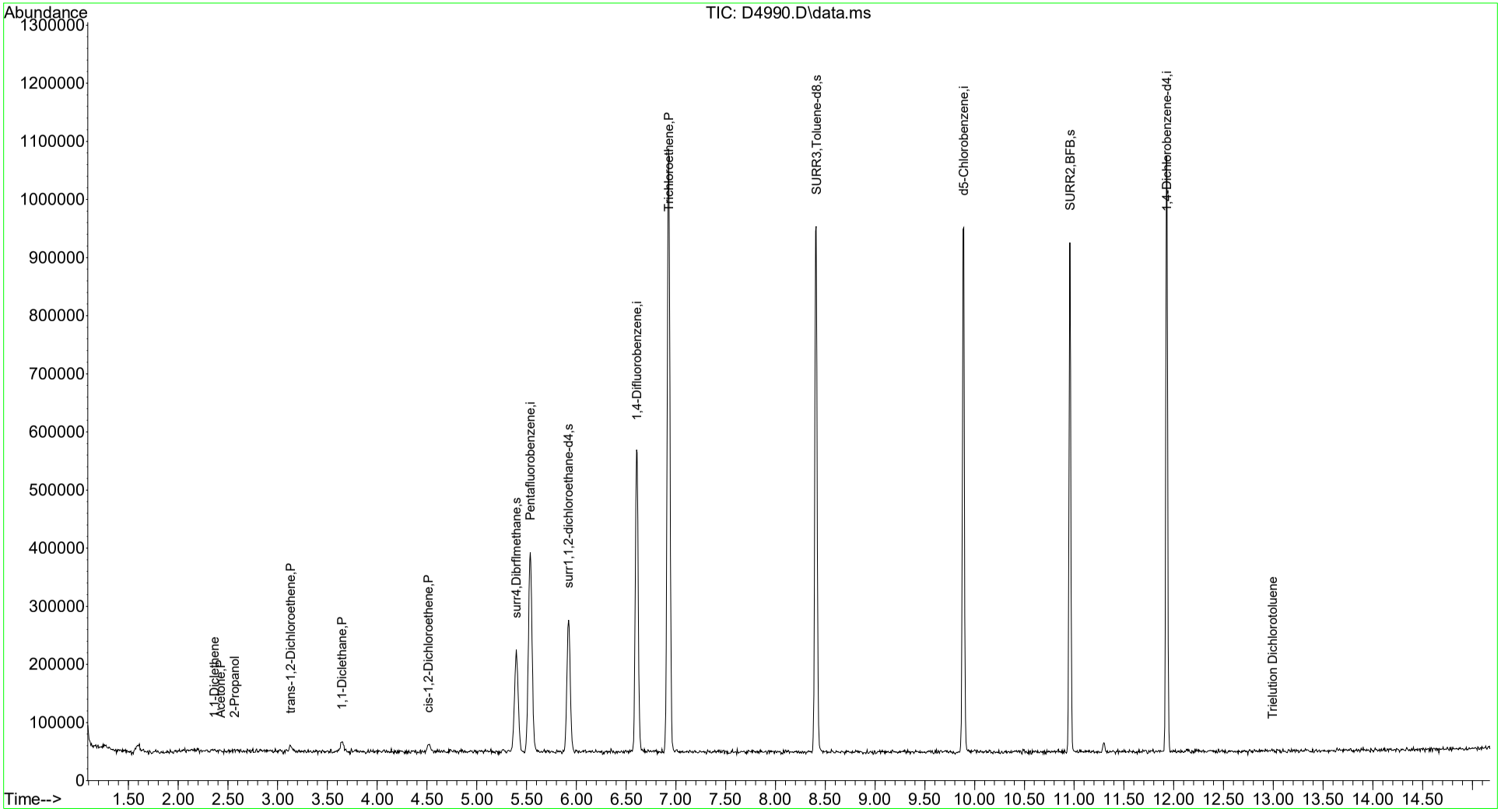
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.537	168	323669	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	6.610	114	427275	50.00	ug/L	0.00
71) d5-Chlorobenzene	9.890	117	385878	50.00	ug/L	0.00
91) 1,4-Dichlorobenzene-d4	11.926	152	205230	50.00	ug/L	0.00
System Monitoring Compounds						
44) surr4,Dibrflmethane	5.397	113	133690	48.27	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 96.54%			
47) surr1,1,2-dichloroetha...	5.921	65	199579	53.48	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 106.96%			
65) SURR3,Toluene-d8	8.409	98	497335	49.73	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 99.46%			
70) SURR2,BFB	10.957	95	184034	47.05	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 94.10%			
Target Compounds						Qvalue
14) 1,1-Diclethene	2.361	96	806	0.361	ug/L	93
16) Acetone	2.422	43	1896	0.760	ug/L	81
17) 2-Propanol	2.568	45	1805	4.047	ug/L	99
27) trans-1,2-Dichloroethene	3.129	96	3044	1.257	ug/L #	85
28) 1,1-Diclethane	3.647	63	18005	3.500	ug/L	88
34) cis-1,2-Dichloroethene	4.513	96	6529	2.292	ug/L #	73
54) Trichloroethene	6.927	130	350001	121.760	ug/L	97
112) Trielution Dichlorotol...	12.993	125	1123	0.212	ug/L	96

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

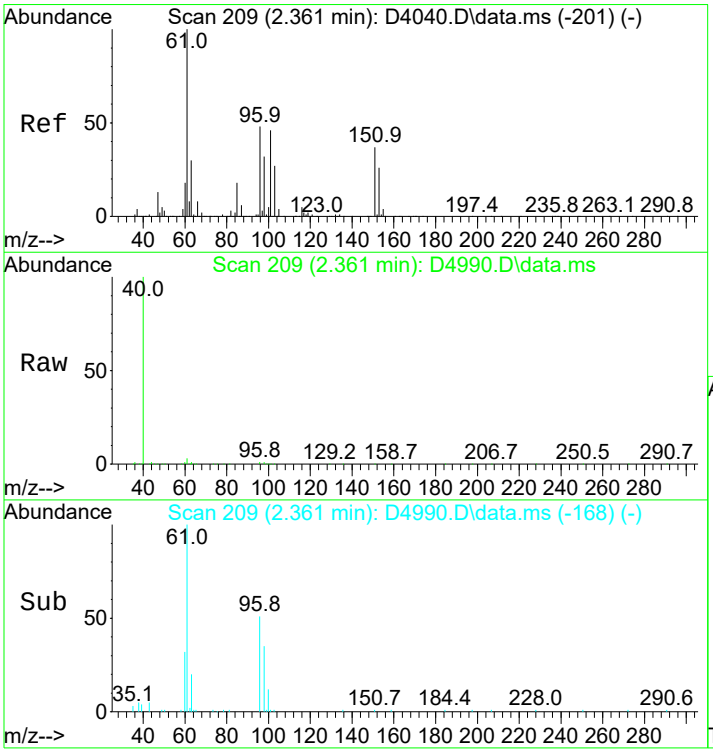
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\012924\
Data File : D4990.D
Acq On : 29 Jan 2024 01:05 pm
Operator : F.NAEGLER
Sample : R2400623-001|10.0
Misc : SCG 6368 T4
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 29 15:27:39 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Fri Dec 08 14:34:38 2023
Response via : Initial Calibration



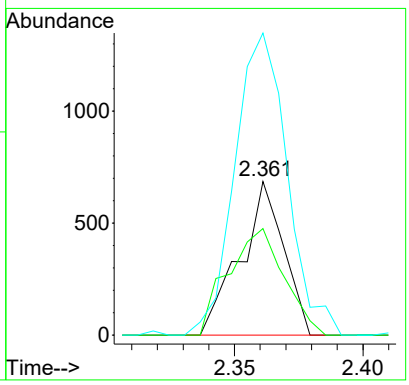
1st FN 01/30/24
2nd 01/30/24

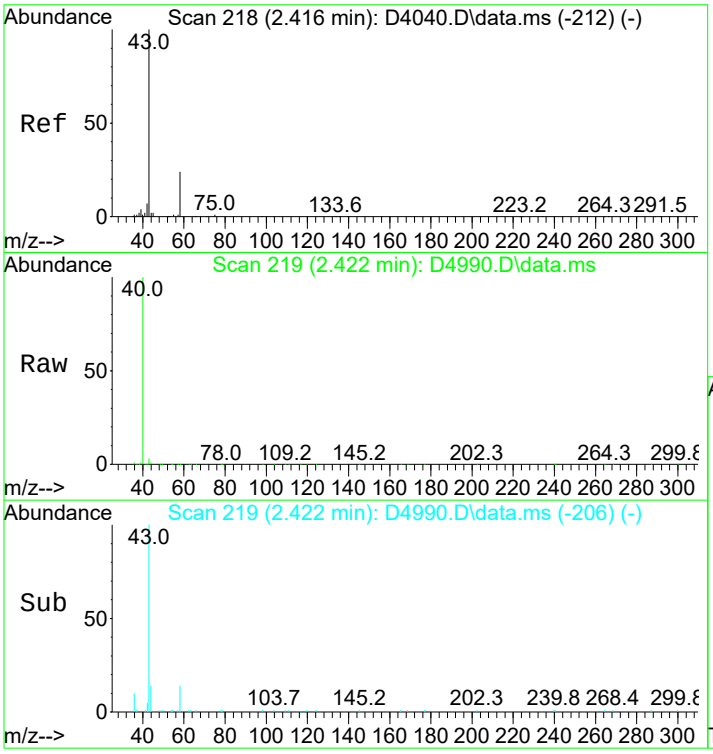


#14
1,1-Diclethene
Concen: 0.36 ug/L
RT: 2.361 min Scan# 209
Delta R.T. 0.000 min
Lab File: D4990.D
Acq: 29 Jan 2024 01:05 pm

Tgt Ion: 96 Resp: 806

Ion	Ratio	Lower	Upper
96	100		
98	69.4	46.5	86.5
61	196.5	188.7	228.7

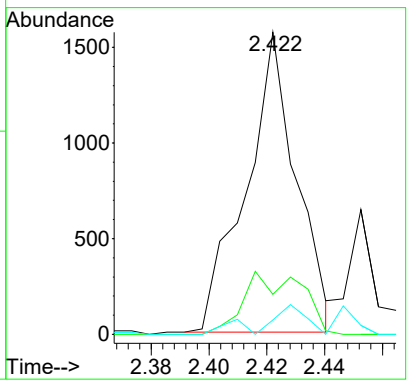


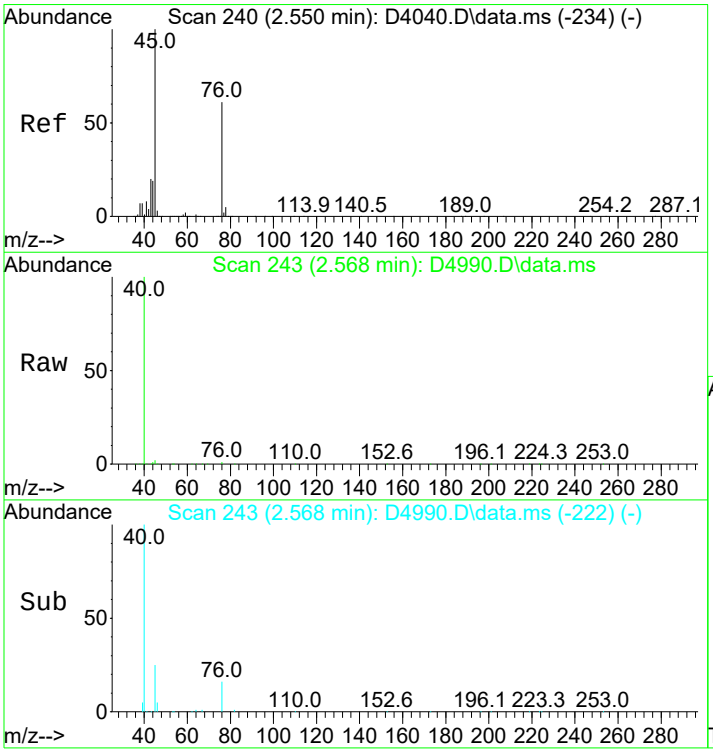


#16
Acetone
Concen: 0.76 ug/L
RT: 2.422 min Scan# 219
Delta R.T. 0.006 min
Lab File: D4990.D
Acq: 29 Jan 2024 01:05 pm

Tgt Ion: 43 Resp: 1896

Ion	Ratio	Lower	Upper
43	100		
58	13.2	4.4	44.4
42	4.7	0.0	26.7

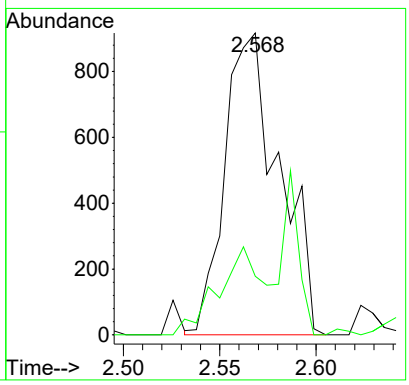


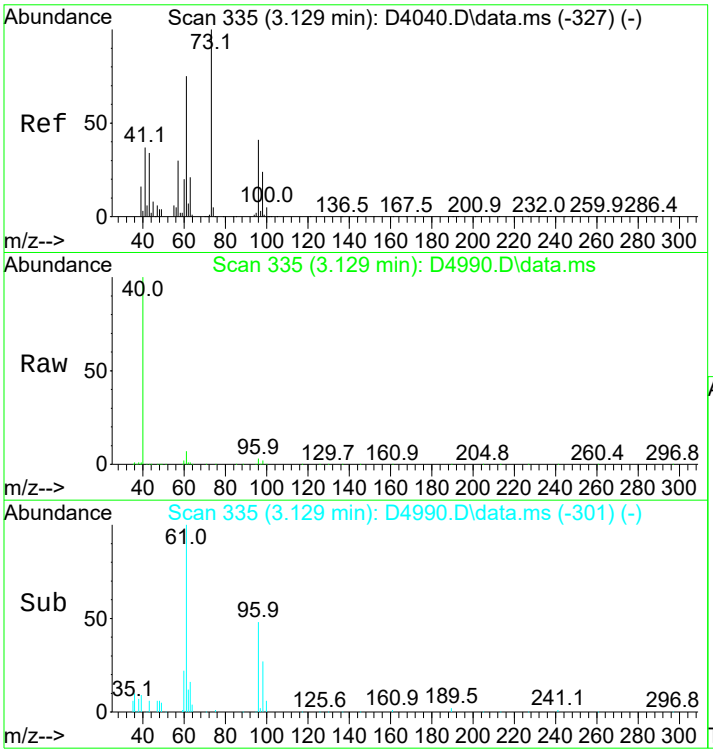


#17
2-Propanol
Concen: 4.05 ug/L
RT: 2.568 min Scan# 243
Delta R.T. 0.018 min
Lab File: D4990.D
Acq: 29 Jan 2024 01:05 pm

Tgt Ion: 45 Resp: 1805

Ion	Ratio	Lower	Upper
45	100		
43	19.4	0.0	39.9

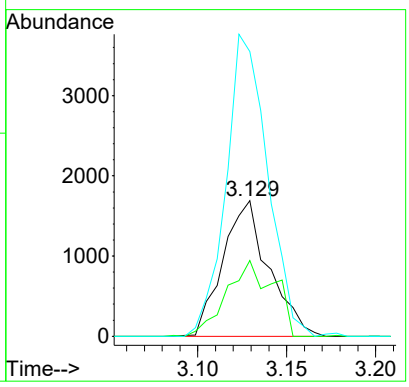


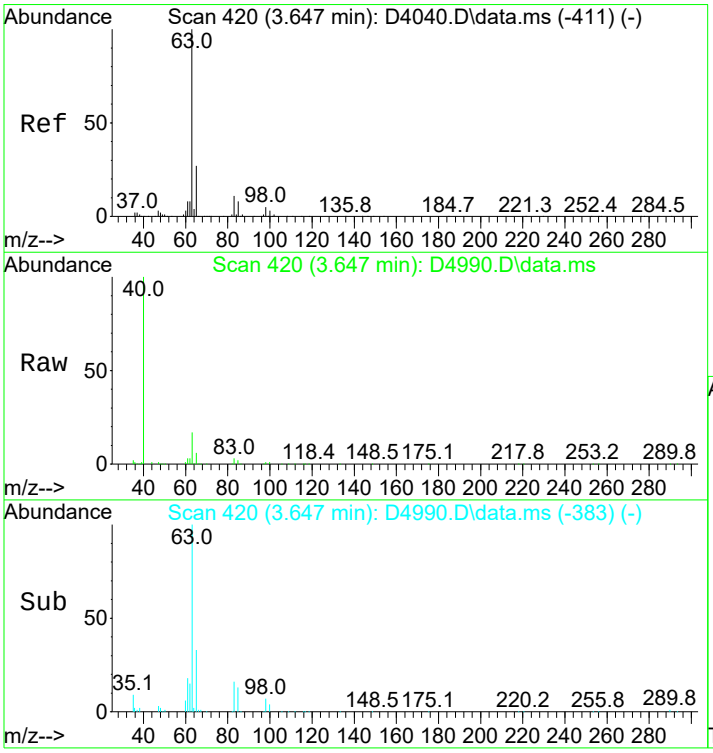


#27
trans-1,2-Dichloroethene
Concen: 1.26 ug/L
RT: 3.129 min Scan# 335
Delta R.T. 0.000 min
Lab File: D4990.D
Acq: 29 Jan 2024 01:05 pm

Tgt Ion: 96 Resp: 3044

Ion	Ratio	Lower	Upper
96	100		
98	55.8	39.9	79.9
61	210.0	163.8	203.8#

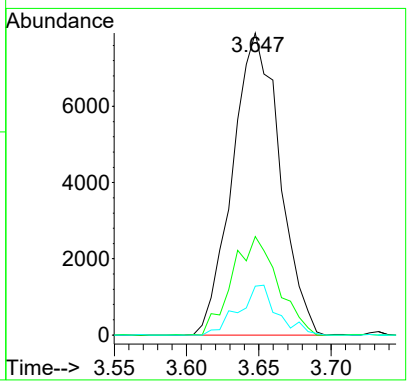


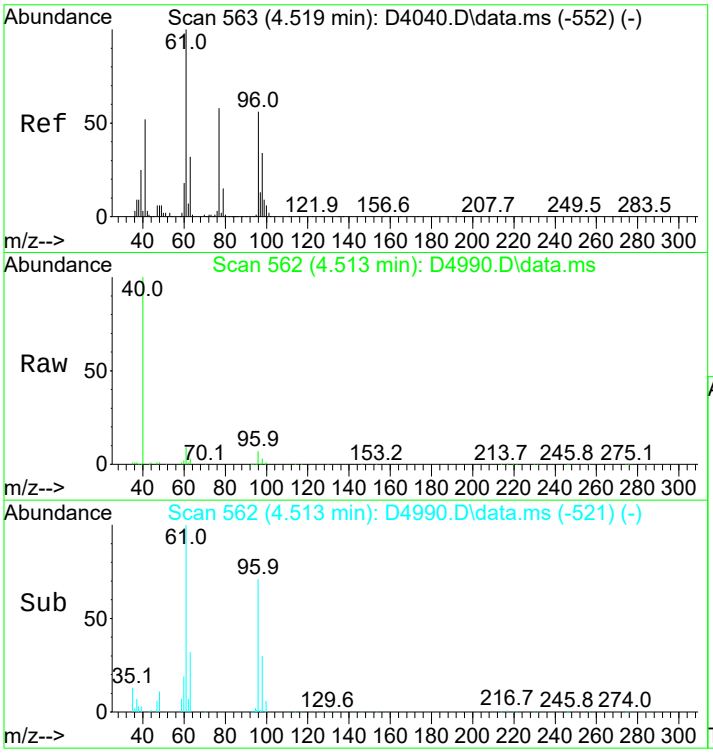


#28
1,1-Diclethane
Concen: 3.50 ug/L
RT: 3.647 min Scan# 420
Delta R.T. 0.000 min
Lab File: D4990.D
Acq: 29 Jan 2024 01:05 pm

Tgt Ion: 63 Resp: 18005

Ion	Ratio	Lower	Upper
63	100		
65	32.6	7.2	47.2
83	16.2	0.0	30.7

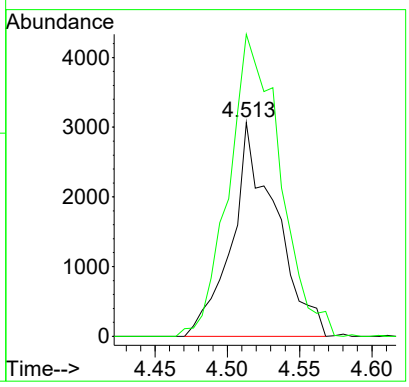


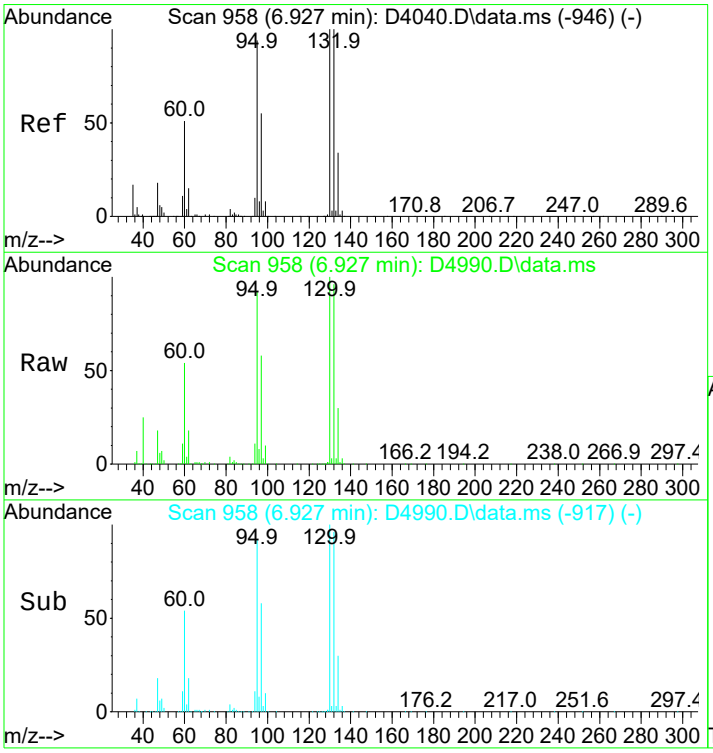


#34
cis-1,2-Dichloroethene
Concen: 2.29 ug/L
RT: 4.513 min Scan# 562
Delta R.T. -0.006 min
Lab File: D4990.D
Acq: 29 Jan 2024 01:05 pm

Tgt Ion: 96 Resp: 6529

Ion	Ratio	Lower	Upper
96	100		
61	141.3	159.0	199.0#

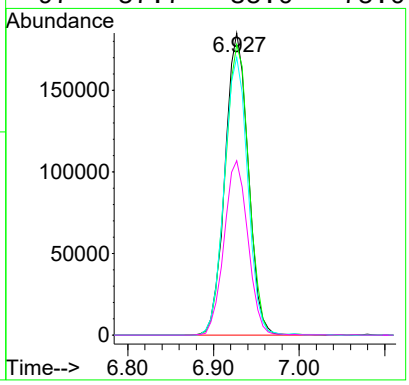


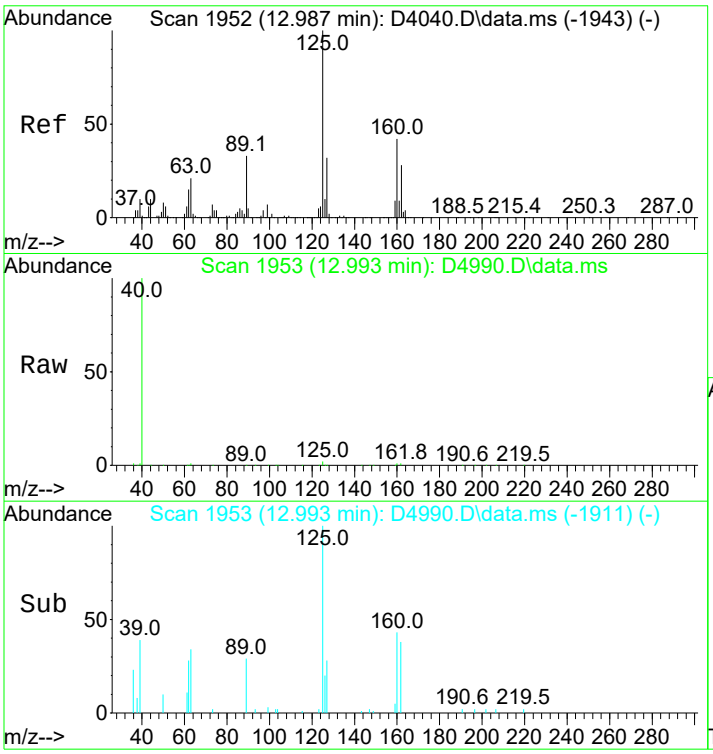


#54
Trichloroethene
Concen: 121.76 ug/L
RT: 6.927 min Scan# 958
Delta R.T. 0.000 min
Lab File: D4990.D
Acq: 29 Jan 2024 01:05 pm

Tgt Ion:130 Resp: 350001

Ion	Ratio	Lower	Upper
130	100		
132	96.2	80.2	120.2
95	91.9	74.6	114.6
97	57.7	35.0	75.0

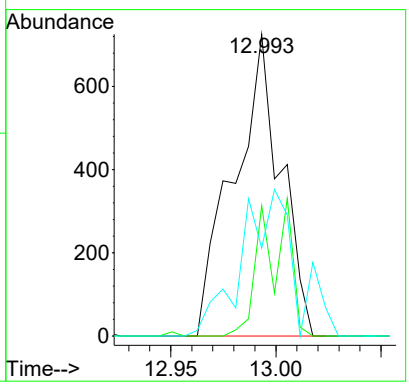




#112
Trielution Dichlorotoluene
Concen: 0.21 ug/L
RT: 12.993 min Scan# 1953
Delta R.T. 0.006 min
Lab File: D4990.D
Acq: 29 Jan 2024 01:05 pm

Tgt Ion:125 Resp: 1123

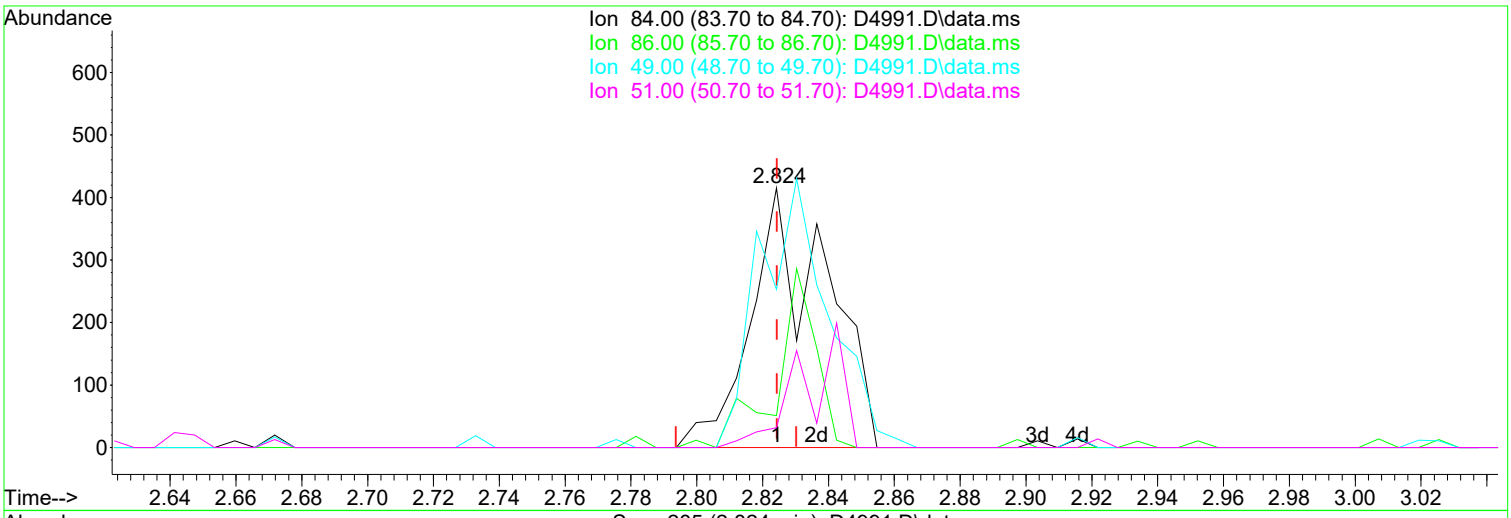
Ion	Ratio	Lower	Upper
125	100		
160	43.2	21.7	61.7
89	29.2	12.7	52.7

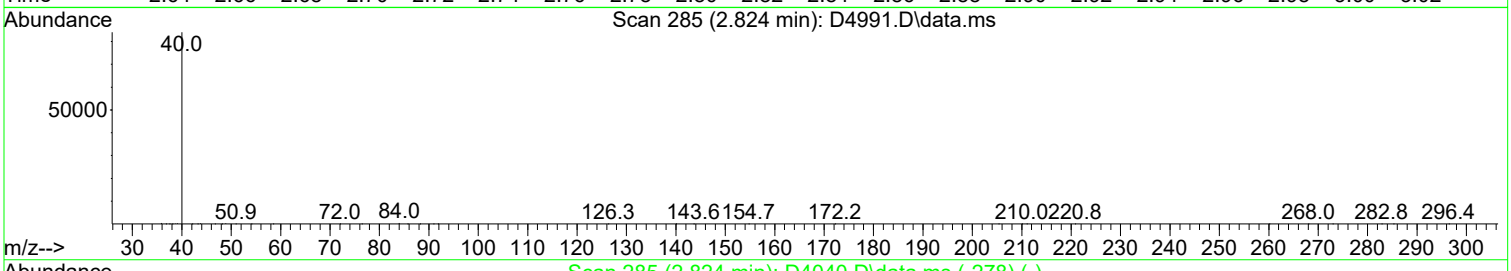


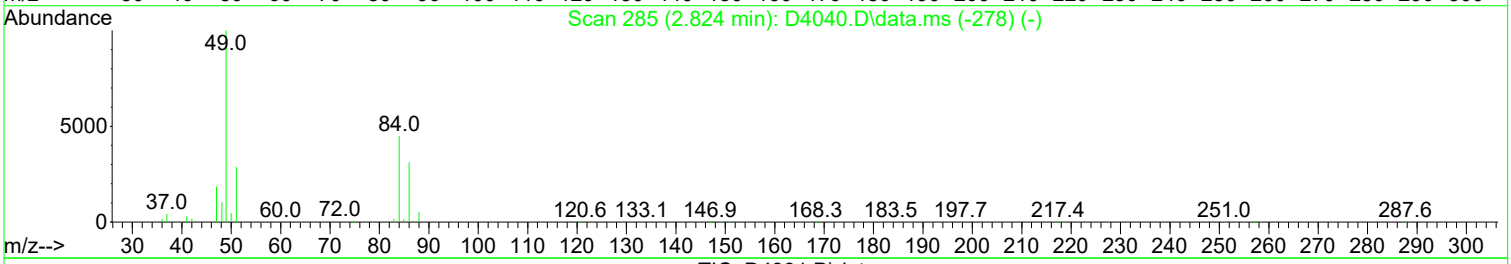
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\012924\
Data File : D4991.D
Acq On : 29 Jan 2024 01:28 pm
Operator : F.NAEGLER
Sample : R2400623-002|5.0
Misc : SCG 6368 T4
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jan 29 15:28:00 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Fri Dec 08 14:34:38 2023
Response via : Initial Calibration







TIC: D4991.D\data.ms

(23) Methylene Chloride (P)

2.824min (-0.000) 0.26 ug/L m

response 658

Ion	Exp%	Act%
84.00	100.00	100.00
86.00	69.60	12.29#
49.00	222.70	60.96#
51.00	64.00	7.71#

Manual Integration:

After

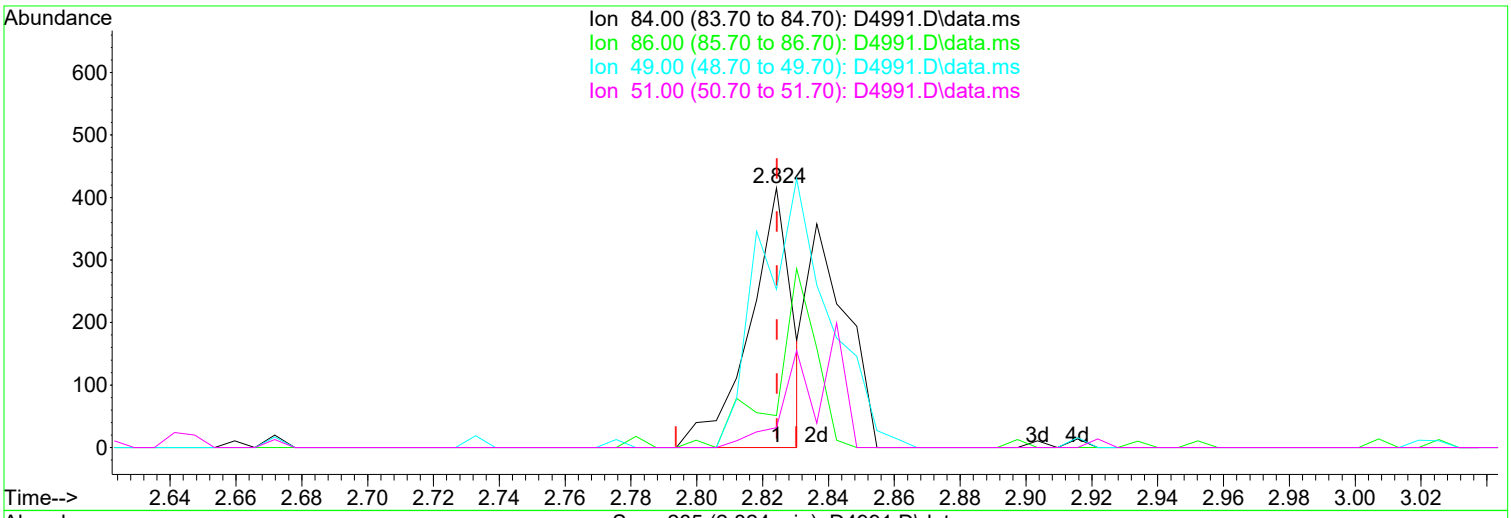
Poor integration.

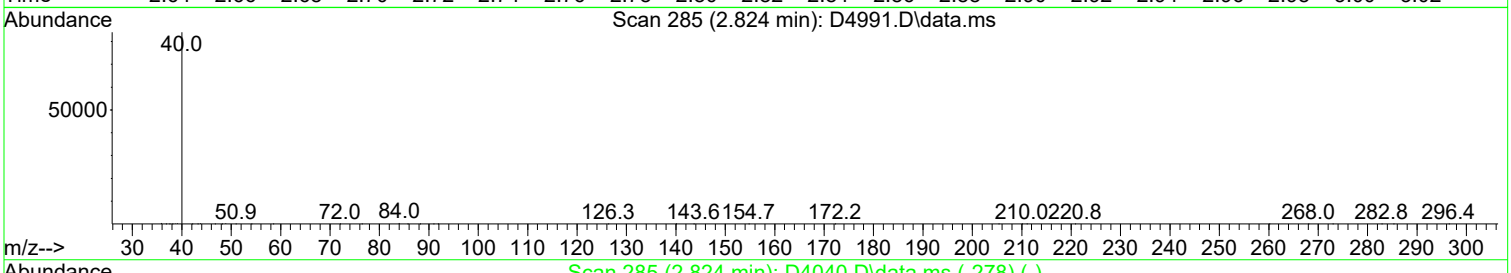
01/30/24

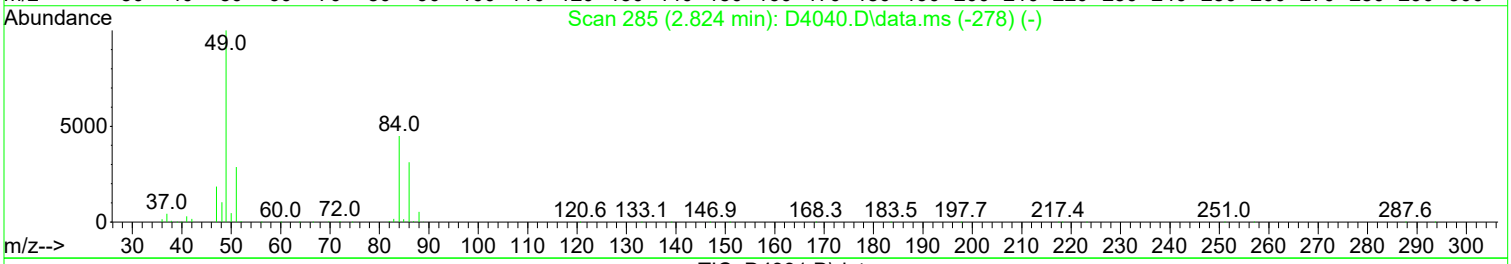
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\012924\
Data File : D4991.D
Acq On : 29 Jan 2024 01:28 pm
Operator : F.NAEGLER
Sample : R2400623-002|5.0
Misc : SCG 6368 T4
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jan 29 15:28:00 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Fri Dec 08 14:34:38 2023
Response via : Initial Calibration







TIC: D4991.D\data.ms

(23) Methylene Chloride (P)

2.824min (-0.000) 0.15 ug/L

response 372

Ion	Exp%	Act%
84.00	100.00	100.00
86.00	69.60	12.29#
49.00	222.70	60.96#
51.00	64.00	7.71#

Manual Integration:

Before

01/30/24

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\012924\
Data File : D4991.D
Acq On : 29 Jan 2024 01:28 pm
Operator : F.NAEGLER
Sample : R2400623-002|5.0
Misc : SCG 6368 T4
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jan 29 15:28:00 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Fri Dec 08 14:34:38 2023
Response via : Initial Calibration

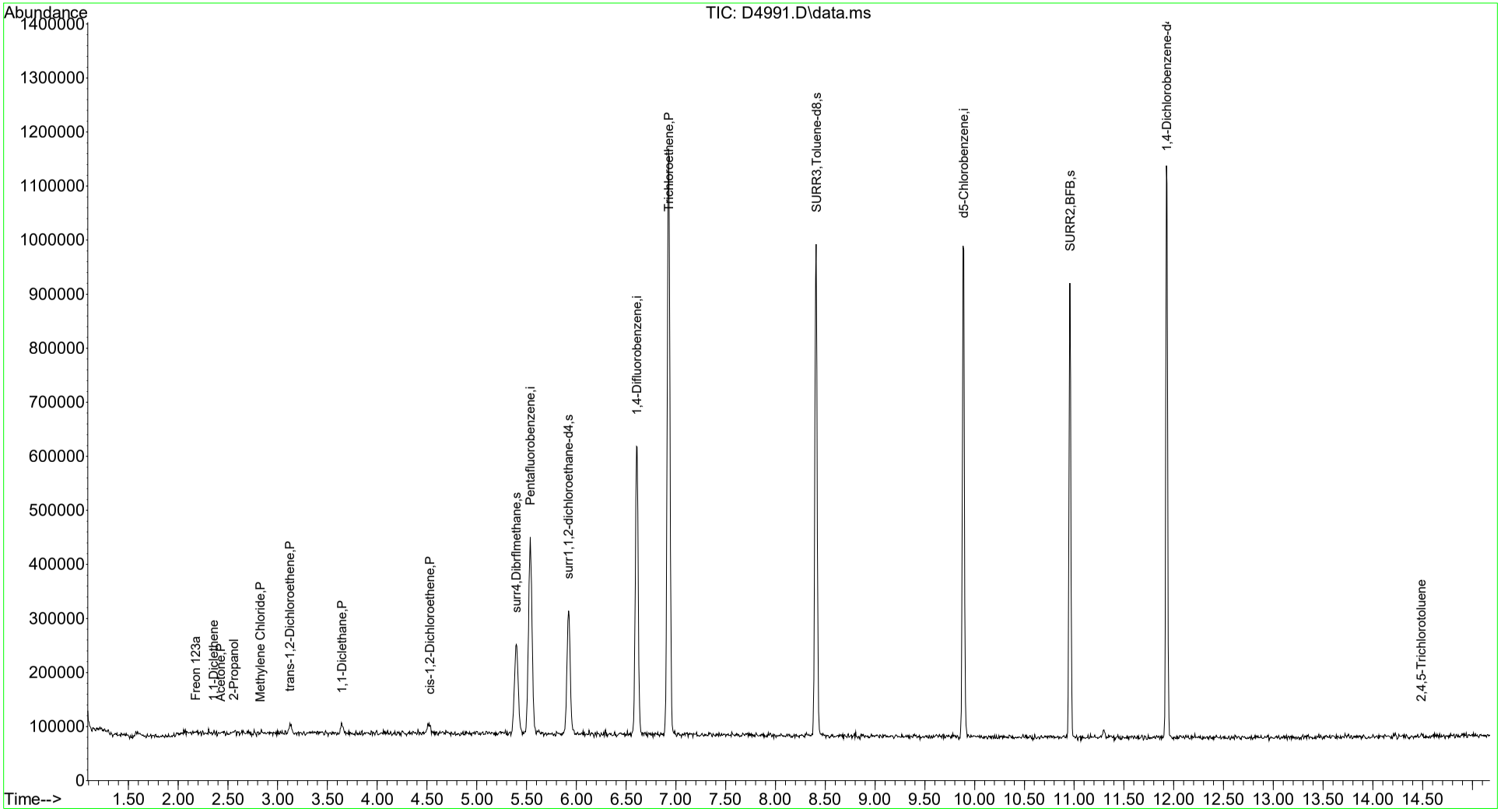
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.537	168	330457	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	6.610	114	427488	50.00	ug/L	0.00
71) d5-Chlorobenzene	9.890	117	393671	50.00	ug/L	0.00
91) 1,4-Dichlorobenzene-d4	11.932	152	213361	50.00	ug/L	0.00
System Monitoring Compounds						
44) surr4,Dibrflmethane	5.397	113	129748	46.82	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 93.64%			
47) surr1,1,2-dichloroetha...	5.921	65	193719	51.89	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 103.78%			
65) SURR3,Toluene-d8	8.408	98	496238	49.60	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 99.20%			
70) SURR2,BFB	10.957	95	183936	47.00	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 94.00%			
Target Compounds						Qvalue
11) Freon 123a	2.172	67	664	0.227	ug/L #	18
14) 1,1-Diclethene	2.355	96	604	0.265	ug/L #	59
16) Acetone	2.422	43	1277	0.501	ug/L	72
17) 2-Propanol	2.562	45	884	1.942	ug/L	92
23) Methylene Chloride	2.824	84	658m	0.258	ug/L	
27) trans-1,2-Dichloroethene	3.123	96	6119	2.475	ug/L #	83
28) 1,1-Diclethane	3.647	63	14930	2.843	ug/L	84
34) cis-1,2-Dichloroethene	4.525	96	9701	3.336	ug/L #	68
54) Trichloroethene	6.927	130	360550	125.368	ug/L	97
119) 2,4,5-Trichlorotoluene	14.487	159	687	0.219	ug/L #	38

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

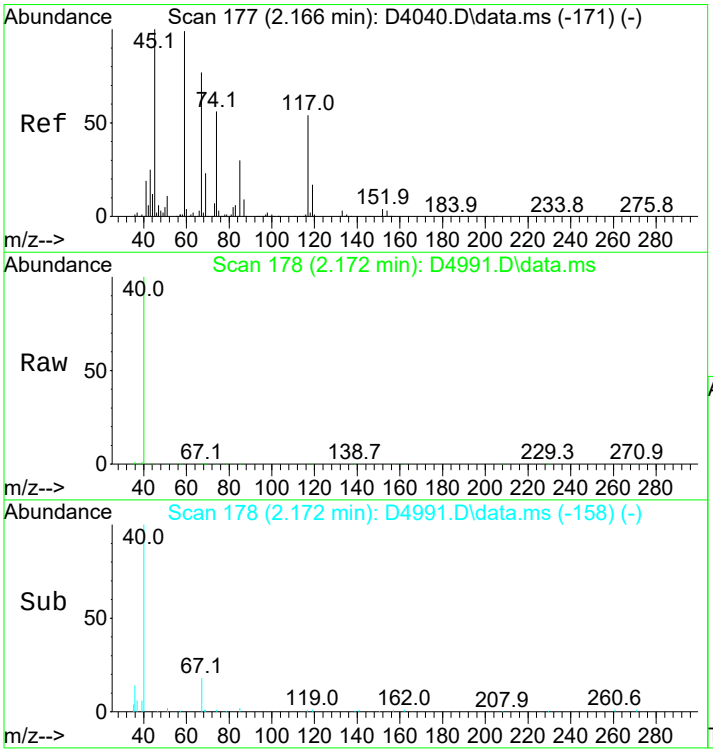
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\012924\
Data File : D4991.D
Acq On : 29 Jan 2024 01:28 pm
Operator : F.NAEGLER
Sample : R2400623-002|5.0
Misc : SCG 6368 T4
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jan 29 15:28:00 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Fri Dec 08 14:34:38 2023
Response via : Initial Calibration



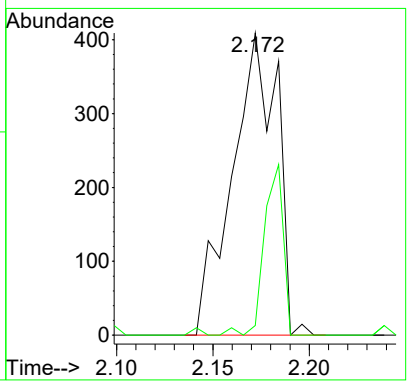
1st 01/30/24
2nd 01/30/24

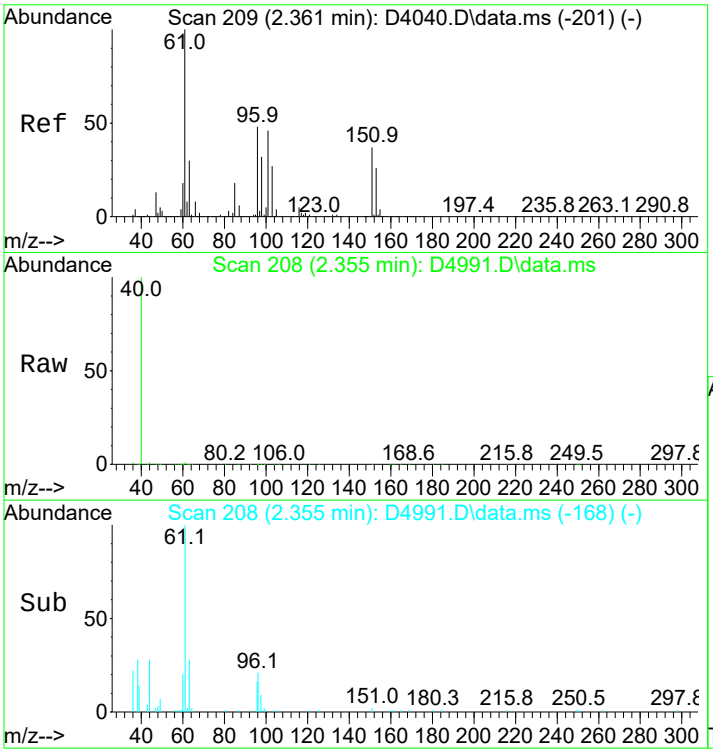


#11
Freon 123a
Concen: 0.23 ug/L
RT: 2.172 min Scan# 178
Delta R.T. 0.006 min
Lab File: D4991.D
Acq: 29 Jan 2024 01:28 pm

Tgt Ion: 67 Resp: 664

Ion	Ratio	Lower	Upper
67	100		
117	3.2	50.8	90.8#

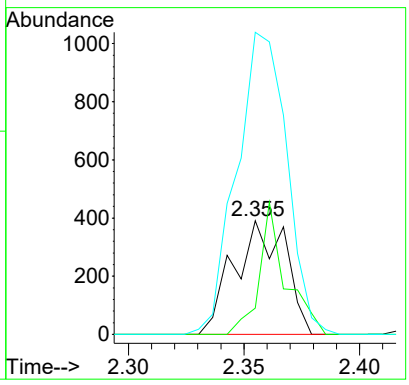


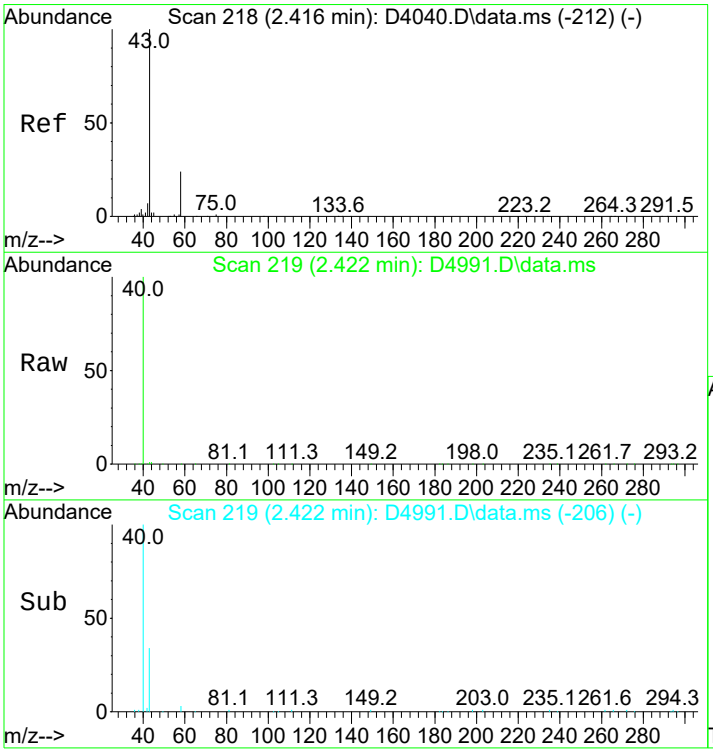


#14
1,1-Diclethene
Concen: 0.26 ug/L
RT: 2.355 min Scan# 208
Delta R.T. -0.006 min
Lab File: D4991.D
Acq: 29 Jan 2024 01:28 pm

Tgt Ion: 96 Resp: 604

Ion	Ratio	Lower	Upper
96	100		
98	23.0	46.5	86.5#
61	265.7	188.7	228.7#

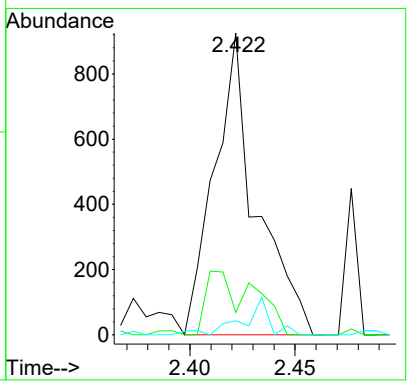


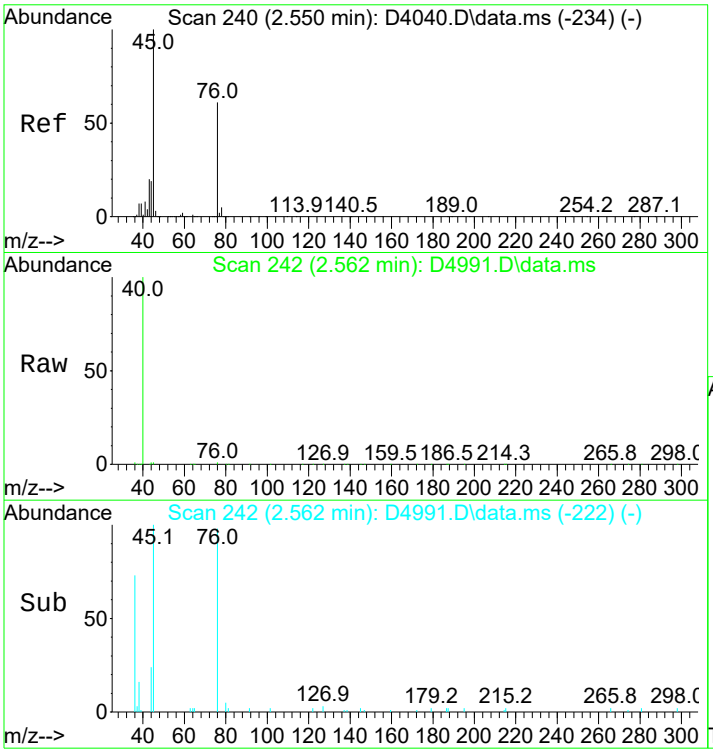


#16
Acetone
Concen: 0.50 ug/L
RT: 2.422 min Scan# 219
Delta R.T. 0.006 min
Lab File: D4991.D
Acq: 29 Jan 2024 01:28 pm

Tgt Ion: 43 Resp: 1277

Ion	Ratio	Lower	Upper
43	100		
58	7.5	4.4	44.4
42	4.8	0.0	26.7

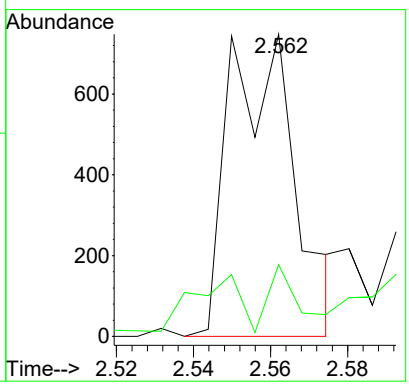


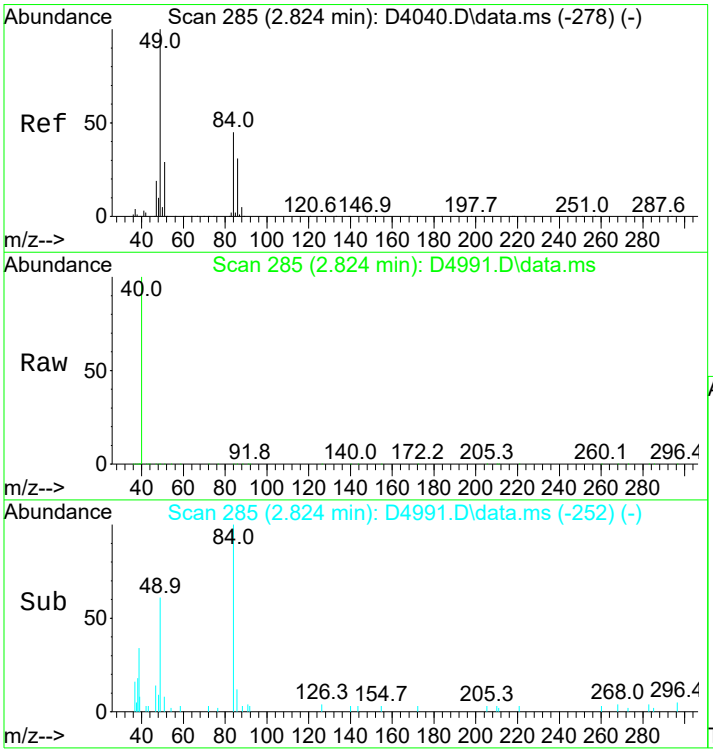


#17
2-Propanol
Concen: 1.94 ug/L
RT: 2.562 min Scan# 242
Delta R.T. 0.012 min
Lab File: D4991.D
Acq: 29 Jan 2024 01:28 pm

Tgt Ion: 45 Resp: 884

Ion	Ratio	Lower	Upper
45	100		
43	23.8	0.0	39.9

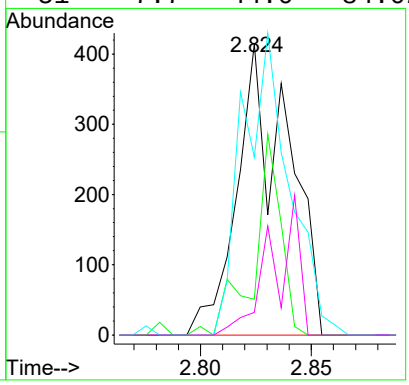


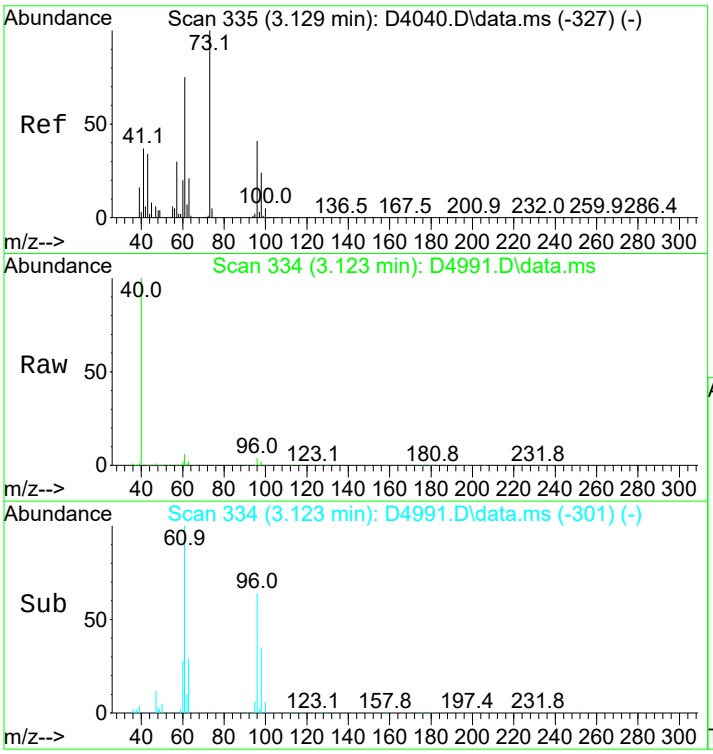


#23
Methylene Chloride
Concen: 0.26 ug/L m
RT: 2.824 min Scan# 285
Delta R.T. -0.000 min
Lab File: D4991.D
Acq: 29 Jan 2024 01:28 pm

Tgt Ion: 84 Resp: 658

Ion	Ratio	Lower	Upper
84	100		
86	12.3	49.6	89.6#
49	61.0	202.7	242.7#
51	7.7	44.0	84.0#

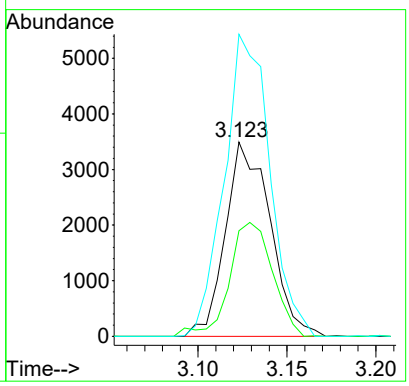


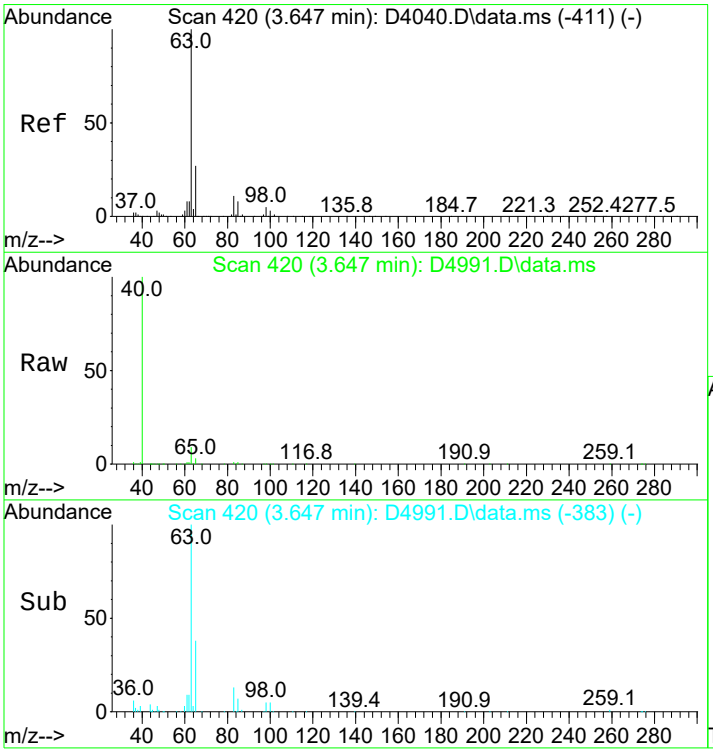


#27
trans-1,2-Dichloroethene
Concen: 2.48 ug/L
RT: 3.123 min Scan# 334
Delta R.T. -0.006 min
Lab File: D4991.D
Acq: 29 Jan 2024 01:28 pm

Tgt Ion: 96 Resp: 6119

Ion	Ratio	Lower	Upper
96	100		
98	54.4	39.9	79.9
61	155.5	163.8	203.8#

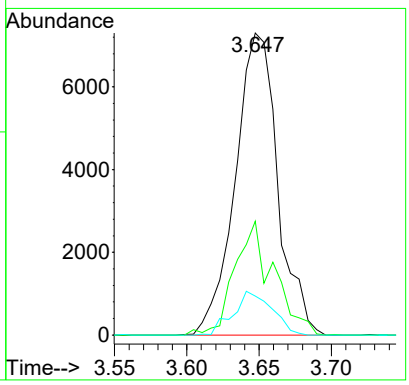


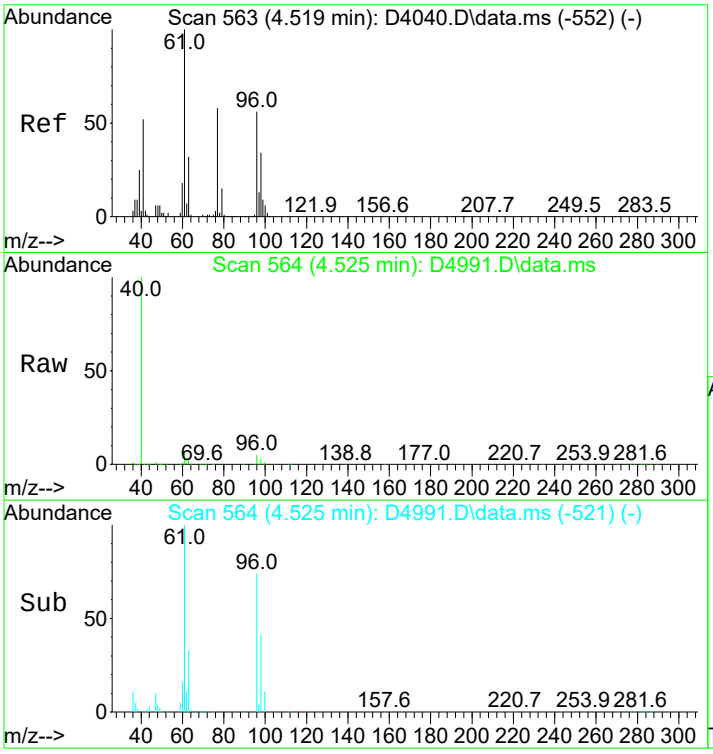


#28
1,1-Diclethane
Concen: 2.84 ug/L
RT: 3.647 min Scan# 420
Delta R.T. -0.000 min
Lab File: D4991.D
Acq: 29 Jan 2024 01:28 pm

Tgt Ion: 63 Resp: 14930

Ion	Ratio	Lower	Upper
63	100		
65	37.7	7.2	47.2
83	12.9	0.0	30.7

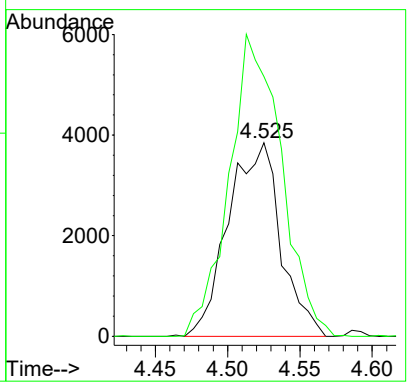


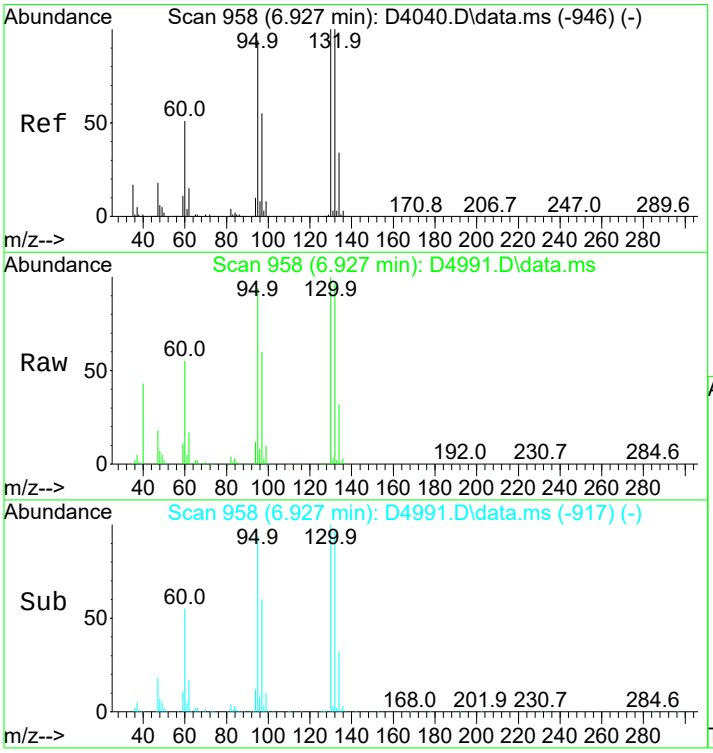


#34
cis-1,2-Dichloroethene
Concen: 3.34 ug/L
RT: 4.525 min Scan# 564
Delta R.T. 0.006 min
Lab File: D4991.D
Acq: 29 Jan 2024 01:28 pm

Tgt Ion: 96 Resp: 9701

Ion	Ratio	Lower	Upper
96	100		
61	134.3	159.0	199.0#

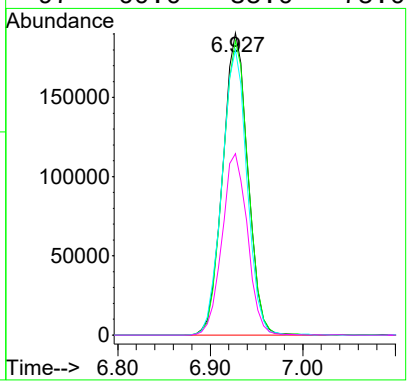


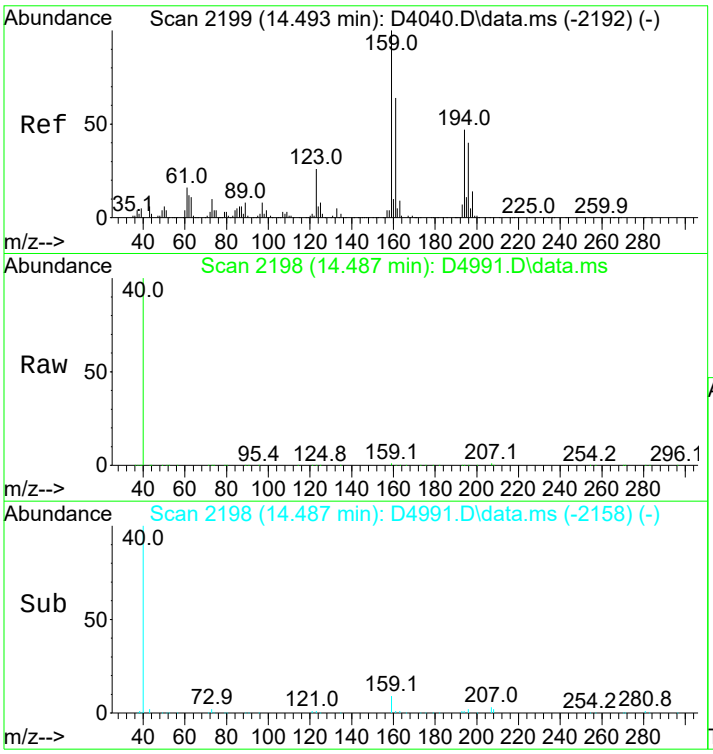


#54
Trichloroethene
Concen: 125.37 ug/L
RT: 6.927 min Scan# 958
Delta R.T. -0.000 min
Lab File: D4991.D
Acq: 29 Jan 2024 01:28 pm

Tgt Ion:130 Resp: 360550

Ion	Ratio	Lower	Upper
130	100		
132	97.4	80.2	120.2
95	94.5	74.6	114.6
97	60.0	35.0	75.0

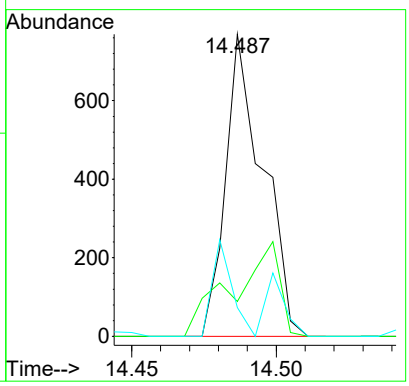




#119
2,4,5-Trichlorotoluene
Concen: 0.22 ug/L
RT: 14.487 min Scan# 2198
Delta R.T. -0.006 min
Lab File: D4991.D
Acq: 29 Jan 2024 01:28 pm

Tgt Ion:159 Resp: 687

Ion	Ratio	Lower	Upper
159	100		
161	11.6	43.6	83.6#
194	9.5	26.6	66.6#



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\012924\
Data File : D4992.D
Acq On : 29 Jan 2024 01:51 pm
Operator : F.NAEGLER
Sample : R2400623-003|10.0
Misc : SCG 6368 T4
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jan 29 15:28:13 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Fri Dec 08 14:34:38 2023
Response via : Initial Calibration

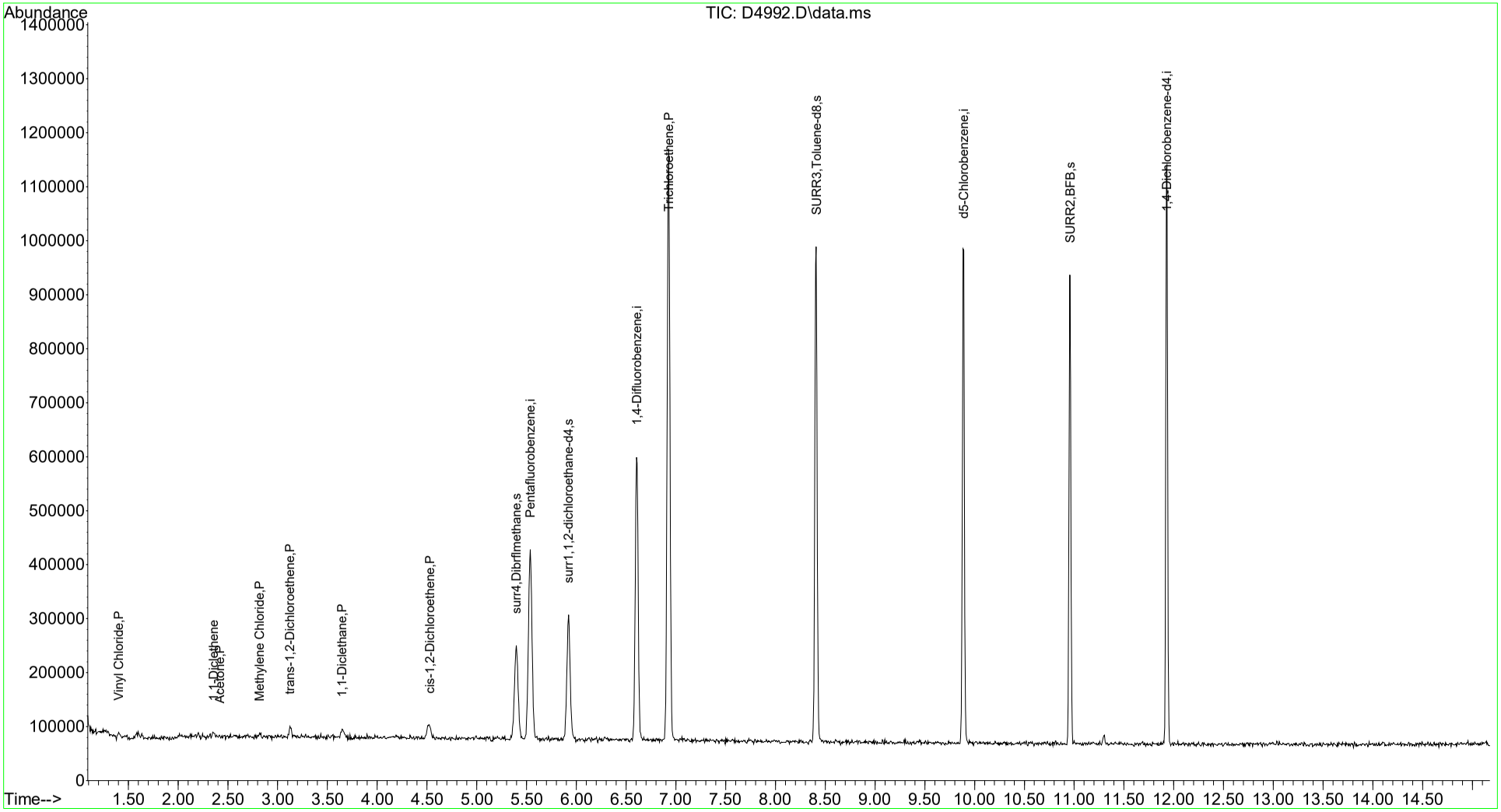
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.537	168	329064	50.00	ug/L		0.00
42) 1,4-Difluorobenzene	6.604	114	427037	50.00	ug/L		0.00
71) d5-Chlorobenzene	9.890	117	383941	50.00	ug/L		0.00
91) 1,4-Dichlorobenzene-d4	11.932	152	212831	50.00	ug/L		0.00
System Monitoring Compounds							
44) surr4,Dibrflmethane	5.397	113	132591	47.90	ug/L		0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 95.80%				
47) surr1,1,2-dichloroetha...	5.921	65	198634	53.26	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 106.52%				
65) SURR3,Toluene-d8	8.409	98	498024	49.83	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 99.66%				
70) SURR2,BFB	10.957	95	188258	48.16	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 96.32%				
Target Compounds							Qvalue
5) Vinyl Chloride	1.404	62	3548	1.018	ug/L		96
14) 1,1-Diclethene	2.355	96	1737	0.764	ug/L	#	86
16) Acetone	2.416	43	1204	0.475	ug/L	#	64
23) Methylene Chloride	2.818	84	675	0.265	ug/L	#	22
27) trans-1,2-Dichloroethene	3.123	96	5881	2.389	ug/L		96
28) 1,1-Diclethane	3.647	63	14952	2.859	ug/L		95
34) cis-1,2-Dichloroethene	4.525	96	12447	4.298	ug/L	#	72
54) Trichloroethene	6.927	130	366023	127.405	ug/L		96

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

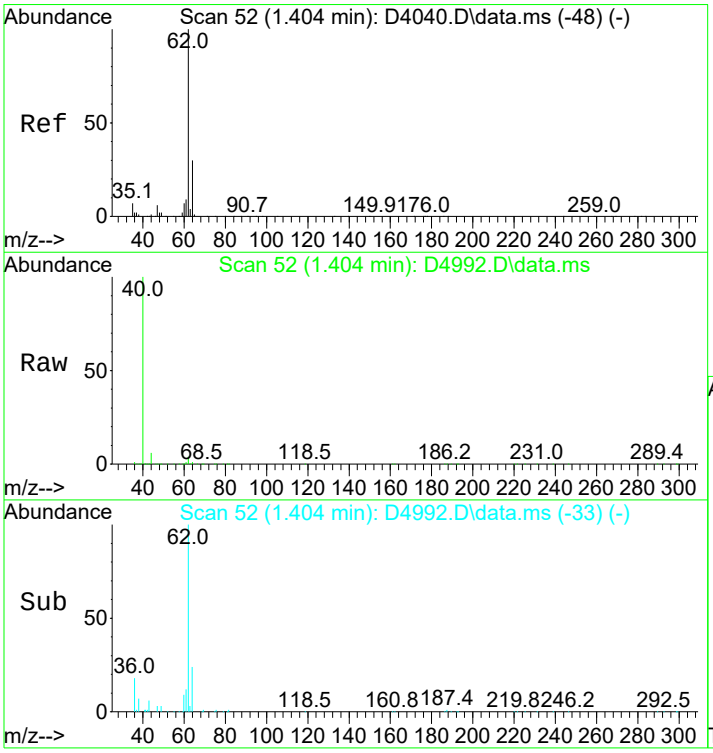
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\012924\
Data File : D4992.D
Acq On : 29 Jan 2024 01:51 pm
Operator : F.NAEGLER
Sample : R2400623-003|10.0
Misc : SCG 6368 T4
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jan 29 15:28:13 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Fri Dec 08 14:34:38 2023
Response via : Initial Calibration



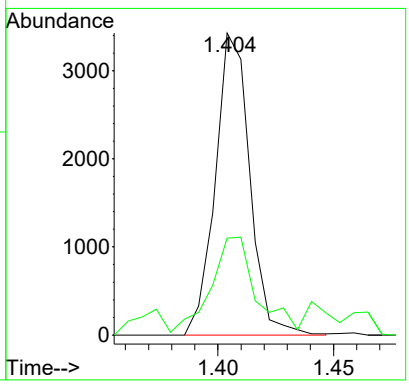
1st FN 01/30/24
2nd 01/30/24

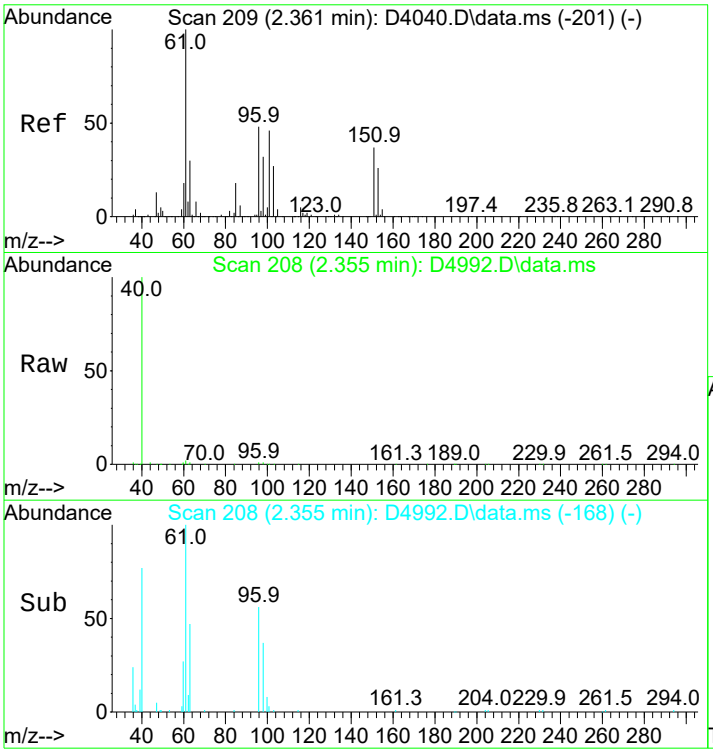


#5
Vinyl Chloride
Concen: 1.02 ug/L
RT: 1.404 min Scan# 52
Delta R.T. -0.000 min
Lab File: D4992.D
Acq: 29 Jan 2024 01:51 pm

Tgt Ion: 62 Resp: 3548

Ion	Ratio	Lower	Upper
62	100		
64	32.1	9.7	49.7

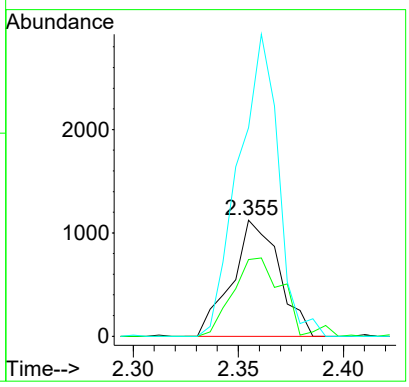


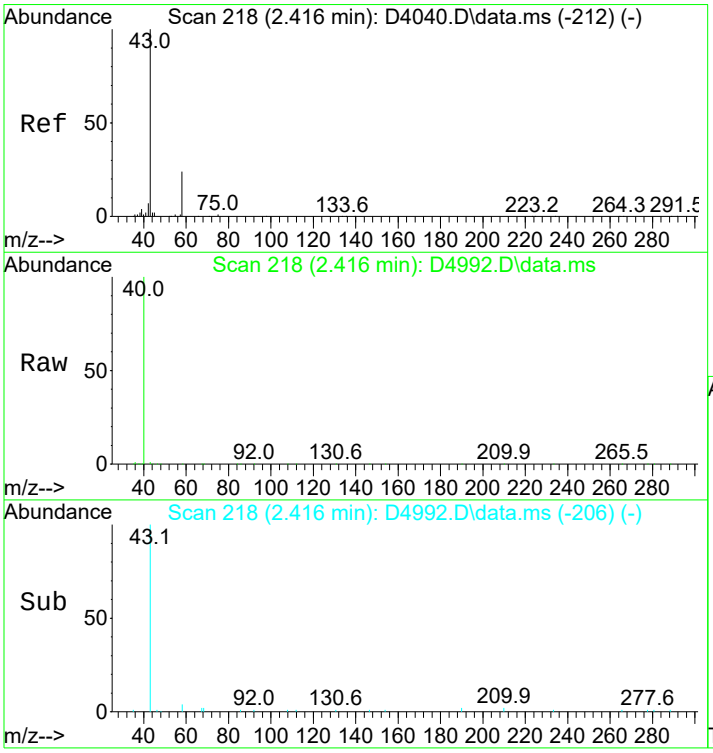


#14
1,1-Diclethene
Concen: 0.76 ug/L
RT: 2.355 min Scan# 208
Delta R.T. -0.006 min
Lab File: D4992.D
Acq: 29 Jan 2024 01:51 pm

Tgt Ion: 96 Resp: 1737

Ion	Ratio	Lower	Upper
96	100		
98	65.9	46.5	86.5
61	179.6	188.7	228.7#

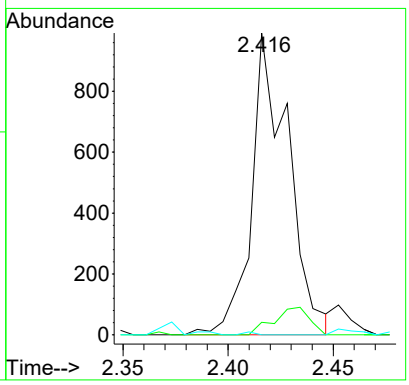


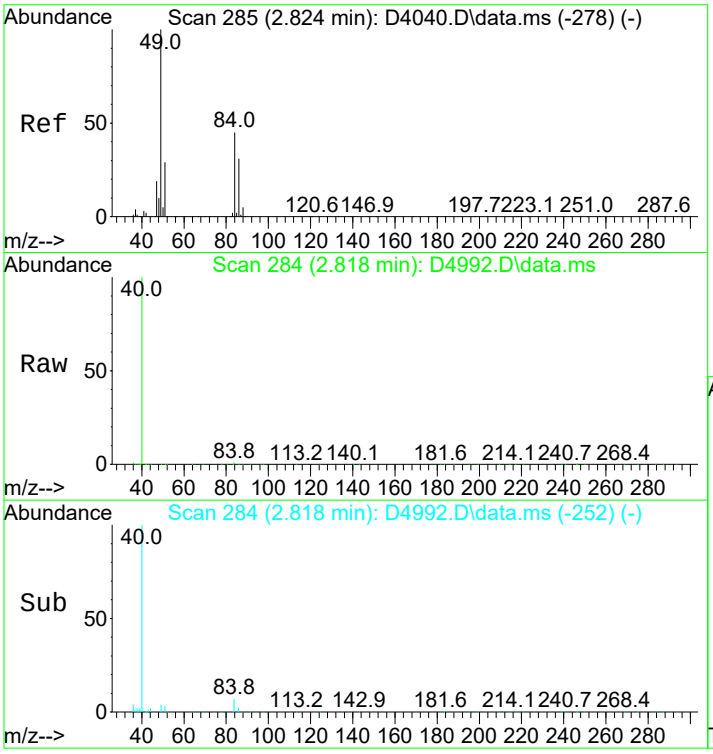


#16
Acetone
Concen: 0.47 ug/L
RT: 2.416 min Scan# 218
Delta R.T. -0.000 min
Lab File: D4992.D
Acq: 29 Jan 2024 01:51 pm

Tgt Ion: 43 Resp: 1204

Ion	Ratio	Lower	Upper
43	100		
58	4.1	4.4	44.4#
42	0.0	0.0	26.7

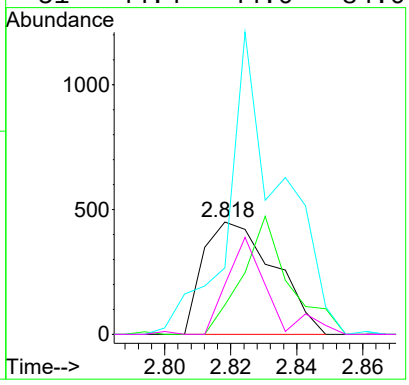


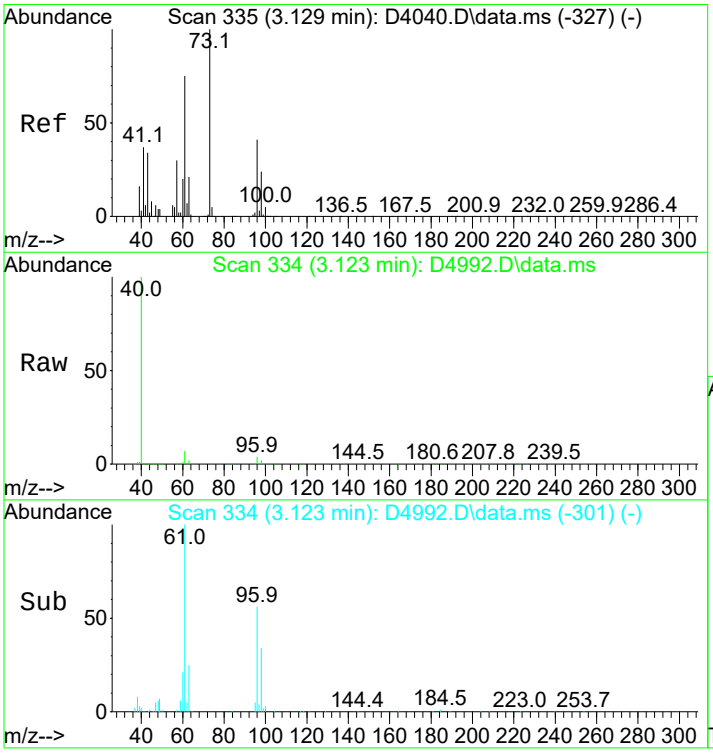


#23
Methylene Chloride
Concen: 0.27 ug/L
RT: 2.818 min Scan# 284
Delta R.T. -0.006 min
Lab File: D4992.D
Acq: 29 Jan 2024 01:51 pm

Tgt Ion: 84 Resp: 675

Ion	Ratio	Lower	Upper
84	100		
86	26.2	49.6	89.6#
49	59.1	202.7	242.7#
51	44.4	44.0	84.0

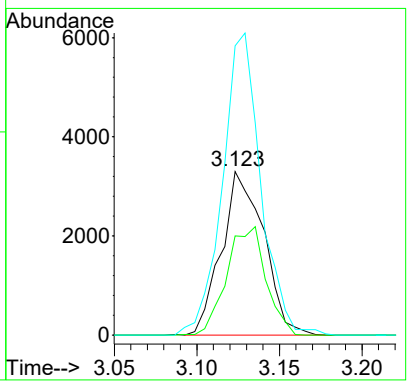


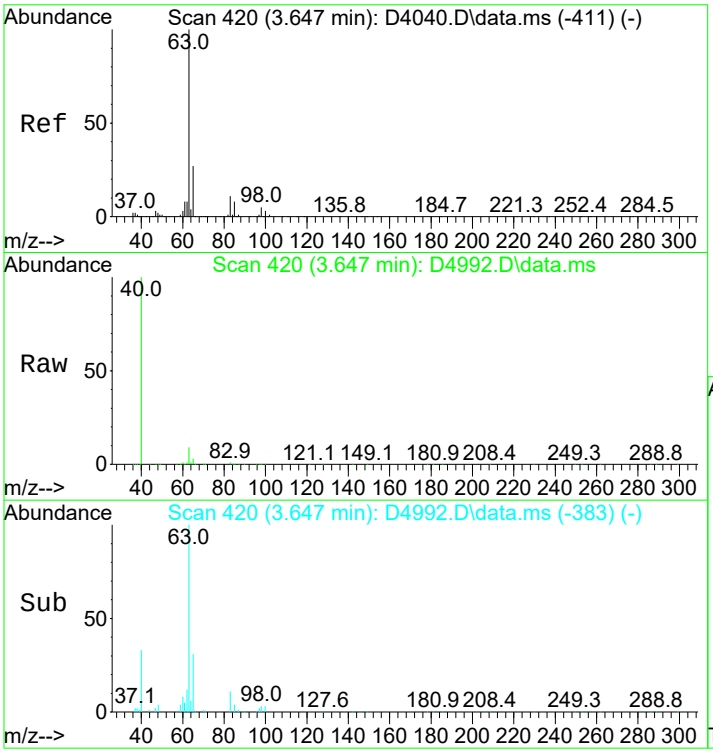


#27
trans-1,2-Dichloroethene
Concen: 2.39 ug/L
RT: 3.123 min Scan# 334
Delta R.T. -0.006 min
Lab File: D4992.D
Acq: 29 Jan 2024 01:51 pm

Tgt Ion: 96 Resp: 5881

Ion	Ratio	Lower	Upper
96	100		
98	60.7	39.9	79.9
61	176.8	163.8	203.8

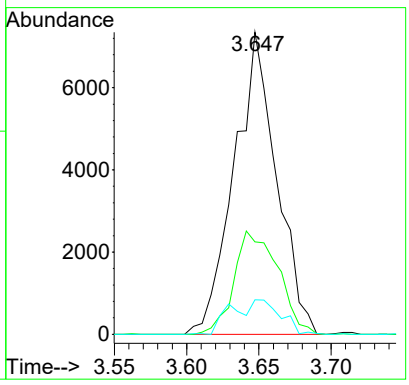


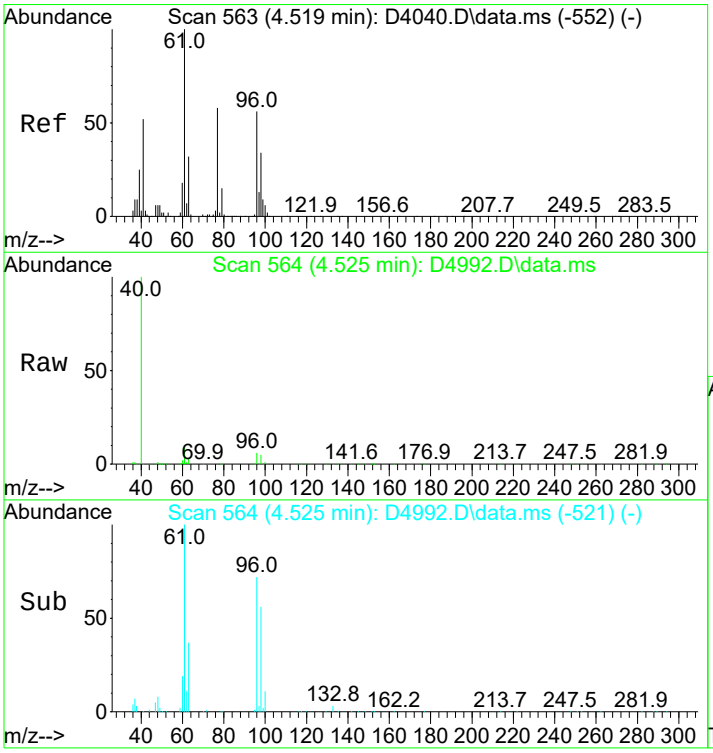


#28
1,1-Diclethane
Concen: 2.86 ug/L
RT: 3.647 min Scan# 420
Delta R.T. -0.000 min
Lab File: D4992.D
Acq: 29 Jan 2024 01:51 pm

Tgt Ion: 63 Resp: 14952

Ion	Ratio	Lower	Upper
63	100		
65	30.6	7.2	47.2
83	11.4	0.0	30.7

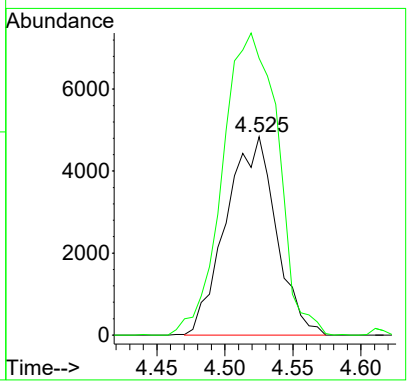


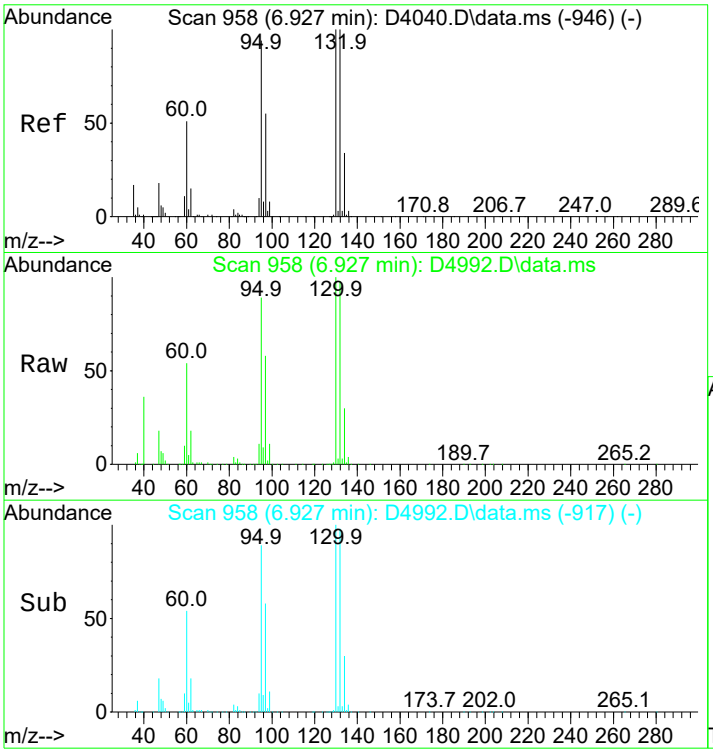


#34
cis-1,2-Dichloroethene
Concen: 4.30 ug/L
RT: 4.525 min Scan# 564
Delta R.T. 0.006 min
Lab File: D4992.D
Acq: 29 Jan 2024 01:51 pm

Tgt Ion: 96 Resp: 12447

Ion	Ratio	Lower	Upper
96	100		
61	139.5	159.0	199.0#

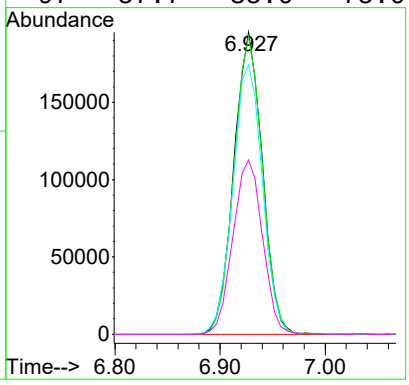




#54
Trichloroethene
Concen: 127.41 ug/L
RT: 6.927 min Scan# 958
Delta R.T. -0.000 min
Lab File: D4992.D
Acq: 29 Jan 2024 01:51 pm

Tgt Ion:130 Resp: 366023

Ion	Ratio	Lower	Upper
130	100		
132	98.5	80.2	120.2
95	89.3	74.6	114.6
97	57.7	35.0	75.0



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\012624\
Data File : D4973.D
Acq On : 26 Jan 2024 07:55 pm
Operator : F.NAEGLER
Sample : R2400623-004
Misc : SCG 6368 T4
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jan 29 08:23:56 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Fri Dec 08 14:34:38 2023
Response via : Initial Calibration

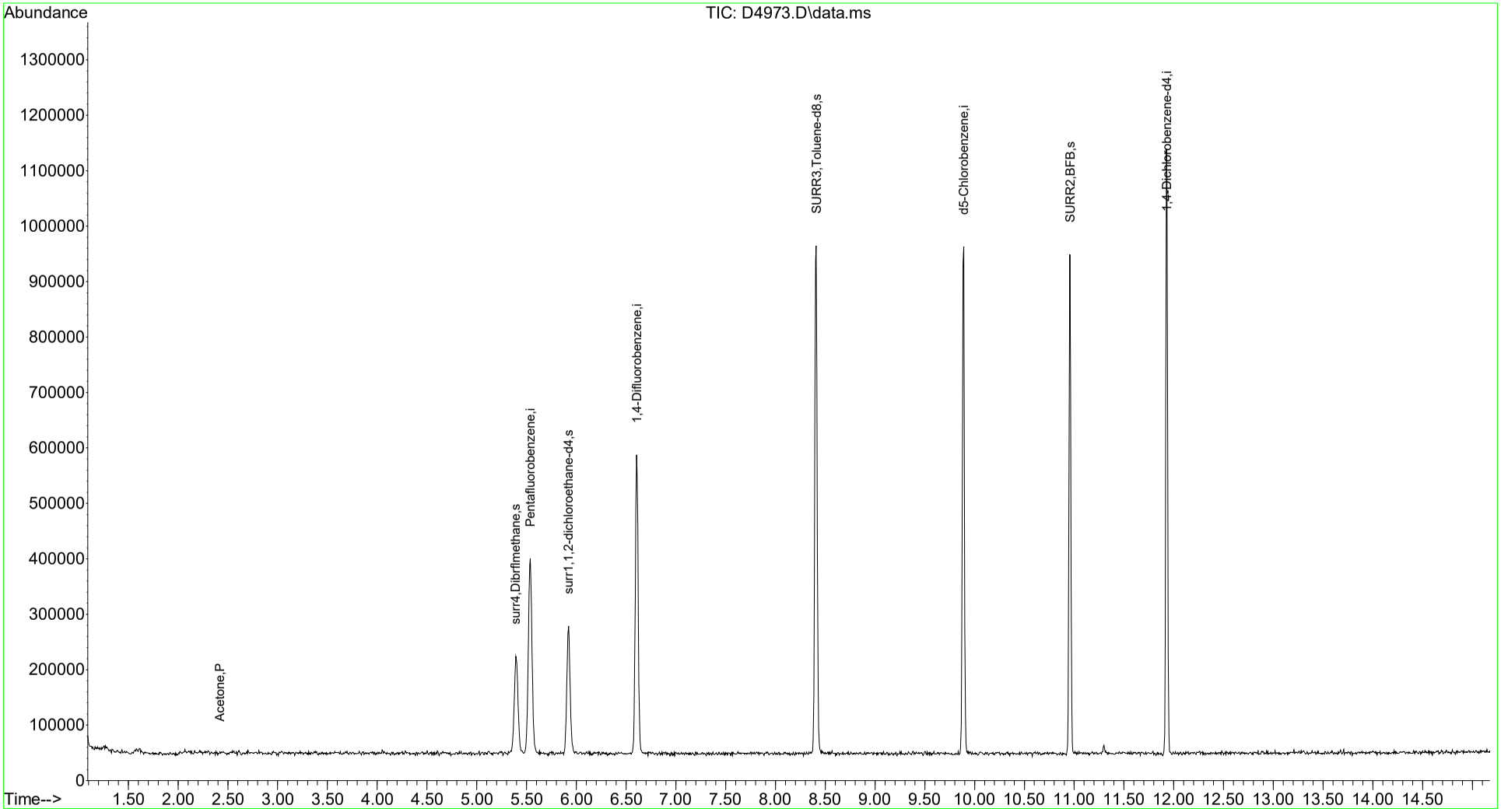
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.537	168	332838	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	6.604	114	428402	50.00	ug/L	0.00
71) d5-Chlorobenzene	9.890	117	393154	50.00	ug/L	0.00
91) 1,4-Dichlorobenzene-d4	11.932	152	218769	50.00	ug/L	0.00
System Monitoring Compounds						
44) surr4,Dibrflmethane	5.391	113	133683	48.14	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 96.28%			
47) surr1,1,2-dichloroetha...	5.921	65	197733	52.85	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 105.70%			
65) SURR3,Toluene-d8	8.409	98	513288	51.19	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 102.38%			
70) SURR2,BFB	10.957	95	195960	49.97	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 99.94%			
Target Compounds						Qvalue
16) Acetone	2.416	43	1662	0.648	ug/L #	57

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

Quantitation Report (QT Reviewed)

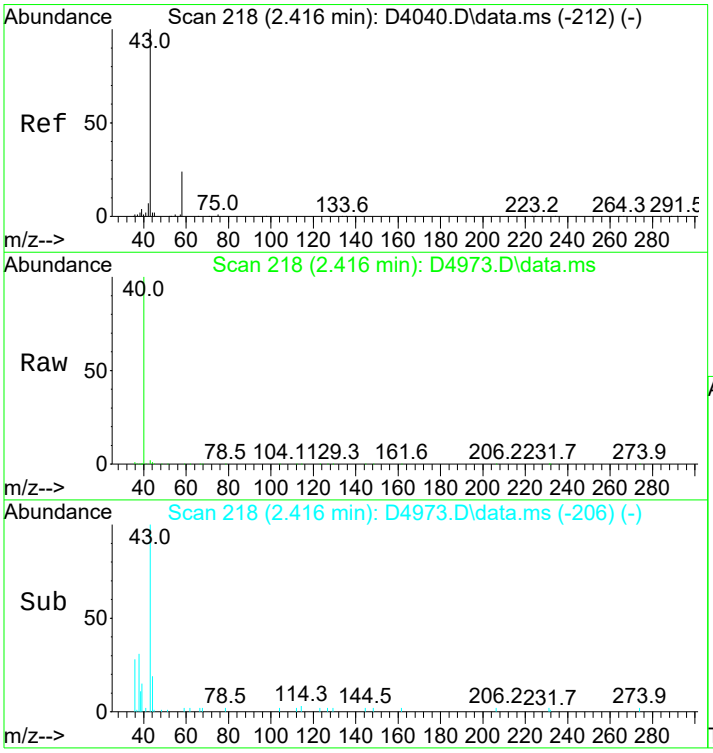
Data Path : I:\ACQUDATA\msvoa10\data\012624\
Data File : D4973.D
Acq On : 26 Jan 2024 07:55 pm
Operator : F.NAEGLER
Sample : R2400623-004
Misc : SCG 6368 T4
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jan 29 08:23:56 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Fri Dec 08 14:34:38 2023
Response via : Initial Calibration



1st 01/29/24
2nd 01/29/24

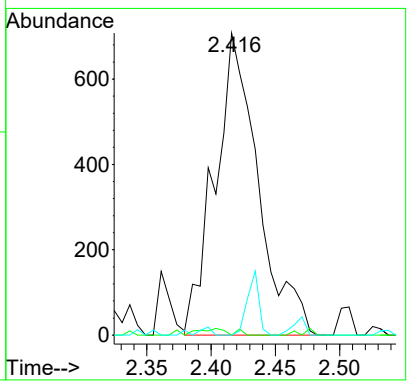
1st FW 01/29/24
2nd 01/29/24



#16
Acetone
Concen: 0.65 ug/L
RT: 2.416 min Scan# 218
Delta R.T. 0.000 min
Lab File: D4973.D
Acq: 26 Jan 2024 07:55 pm

Tgt Ion: 43 Resp: 1662

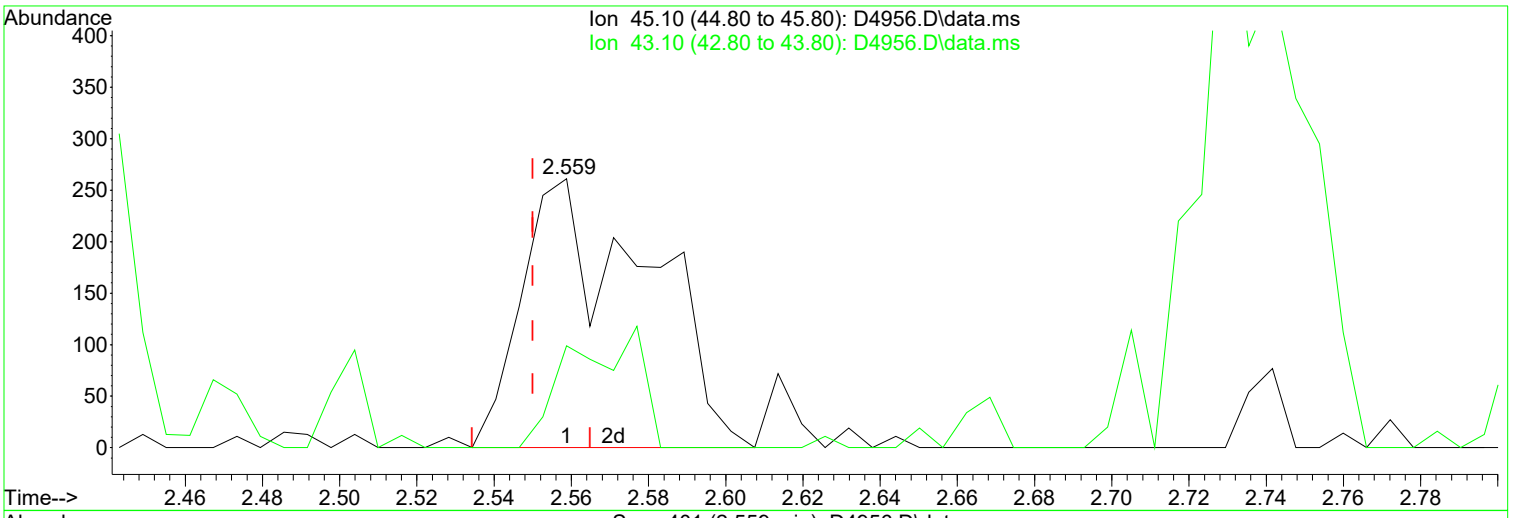
Ion	Ratio	Lower	Upper
43	100		
58	0.0	4.4	44.4#
42	0.0	0.0	26.7

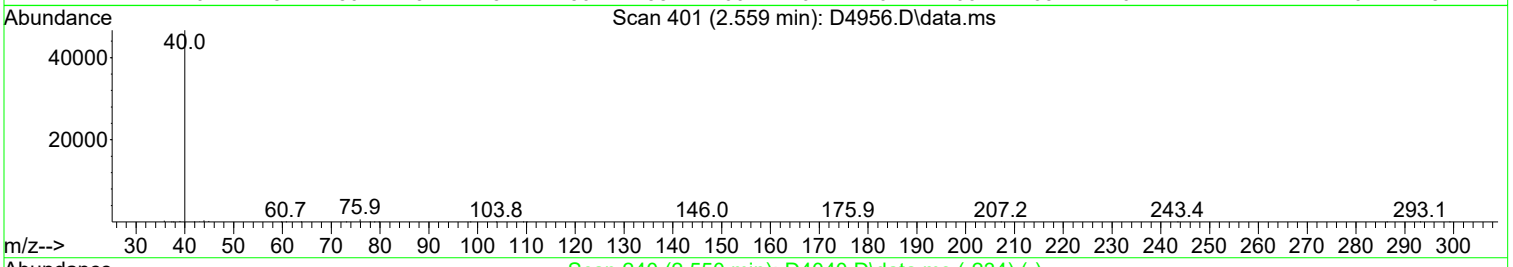


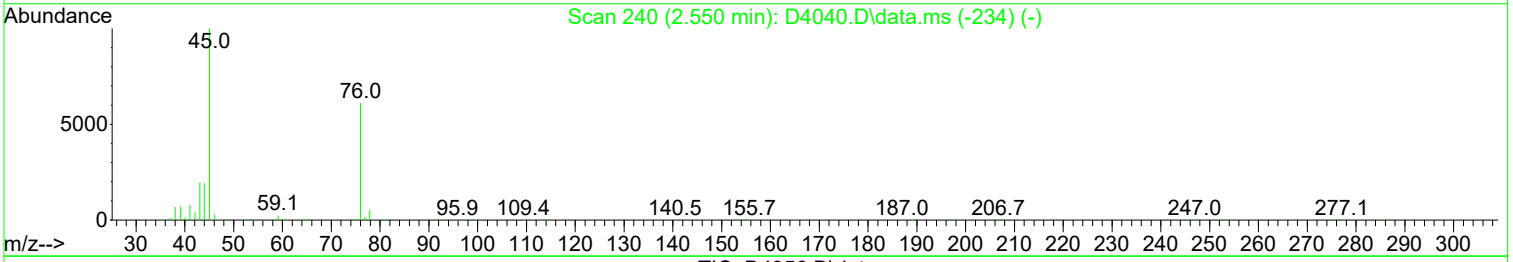
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\012624\
Data File : D4956.D
Acq On : 26 Jan 2024 01:29 pm
Operator : F.NAEGLER
Sample : MBLK-FP
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jan 26 15:19:04 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Fri Dec 08 14:34:38 2023
Response via : Initial Calibration







TIC: D4956.D\data.ms

(17) 2-Propanol

2.559min (+ 0.009) 1.23 ug/L m

response 590

Ion	Exp%	Act%
45.10	100.00	100.00
43.10	19.90	37.93
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

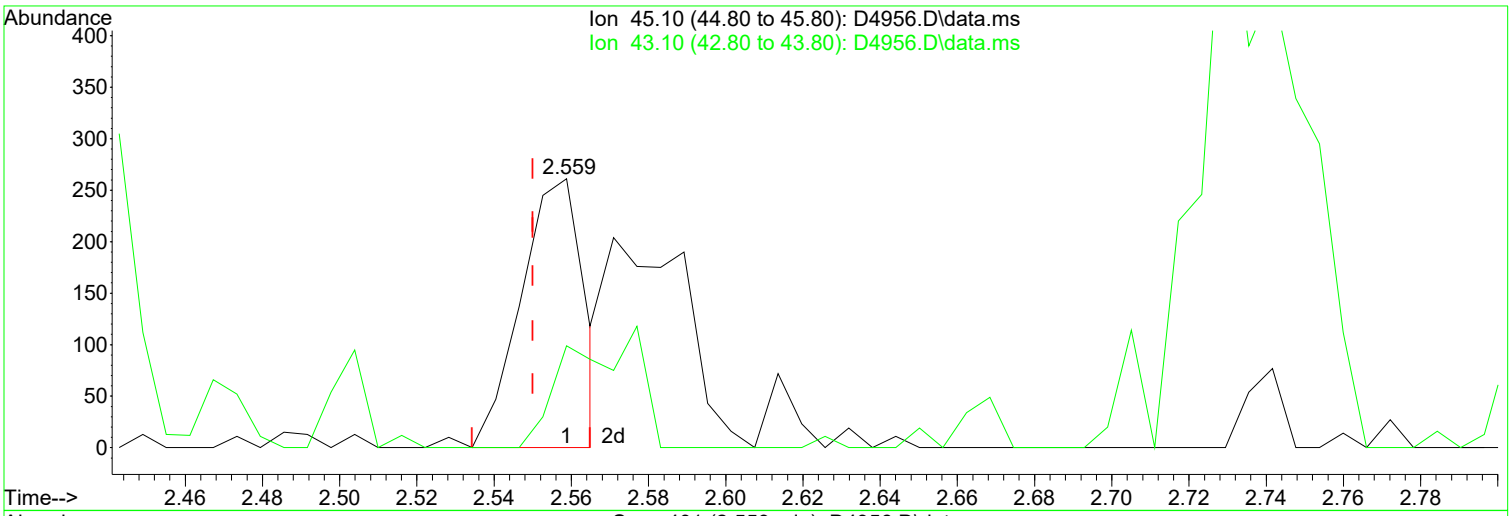
Poor integration.

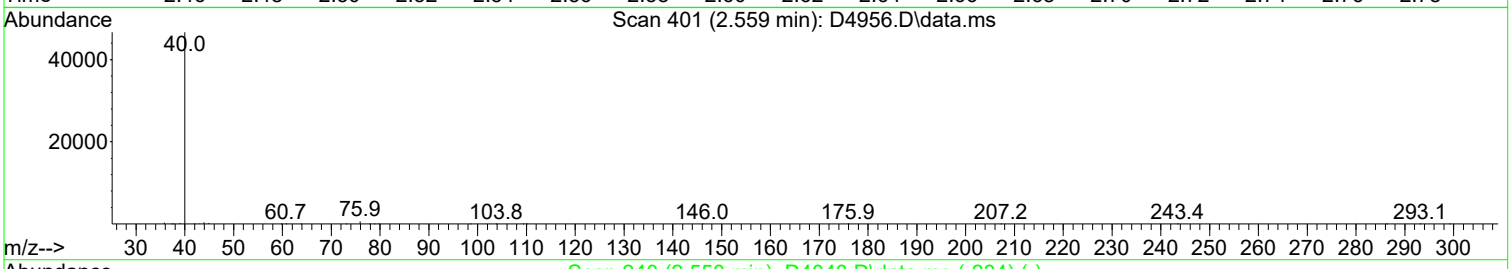
01/29/24

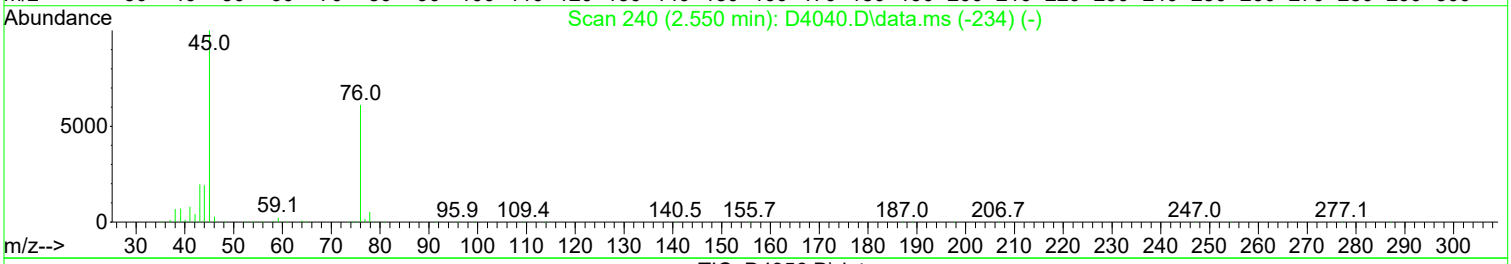
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\012624\
Data File : D4956.D
Acq On : 26 Jan 2024 01:29 pm
Operator : F.NAEGLER
Sample : MBLK-FP
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jan 26 15:19:04 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Fri Dec 08 14:34:38 2023
Response via : Initial Calibration







TIC: D4956.D\data.ms

(17) 2-Propanol

2.559min (+ 0.009) 0.61 ug/L

response 296

Ion	Exp%	Act%
45.10	100.00	100.00
43.10	19.90	37.93
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

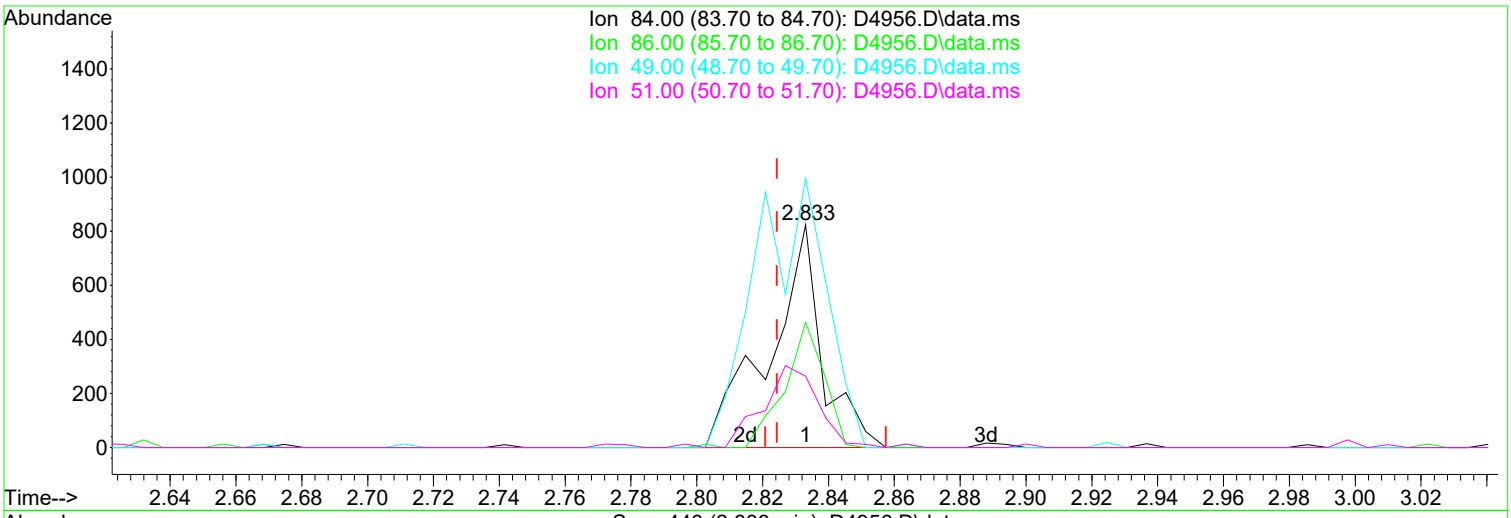
Before

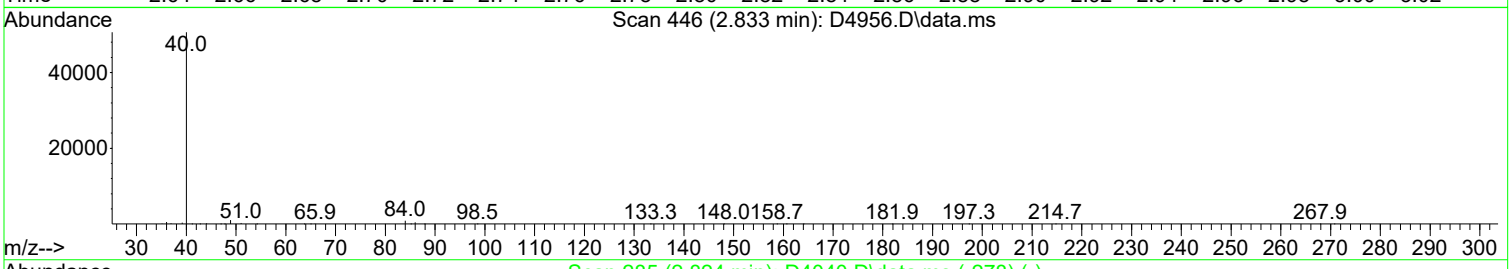
01/29/24

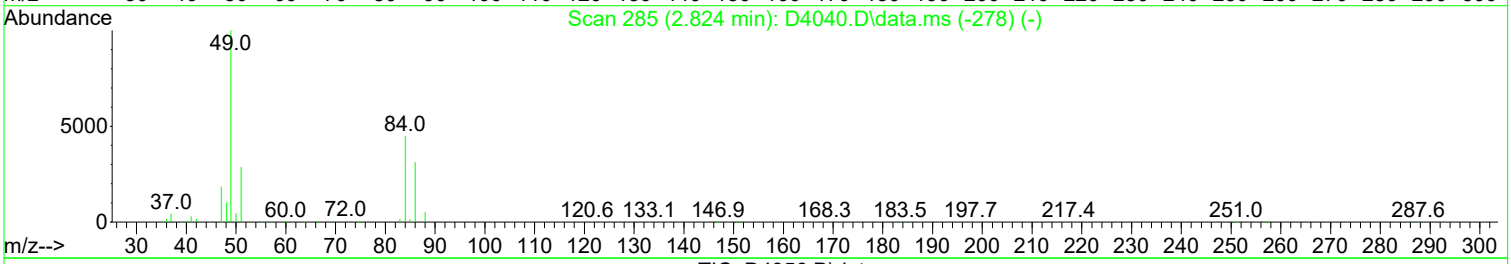
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\012624\
Data File : D4956.D
Acq On : 26 Jan 2024 01:29 pm
Operator : F.NAEGLER
Sample : MBLK-FP
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jan 26 15:19:04 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Fri Dec 08 14:34:38 2023
Response via : Initial Calibration







TIC: D4956.D\data.ms

(23) Methylene Chloride (P)

2.833min (+ 0.009) 0.34 ug/L m

response 910

Ion	Exp%	Act%
84.00	100.00	100.00
86.00	69.60	56.31
49.00	222.70	120.75#
51.00	64.00	31.92#

Manual Integration:

After

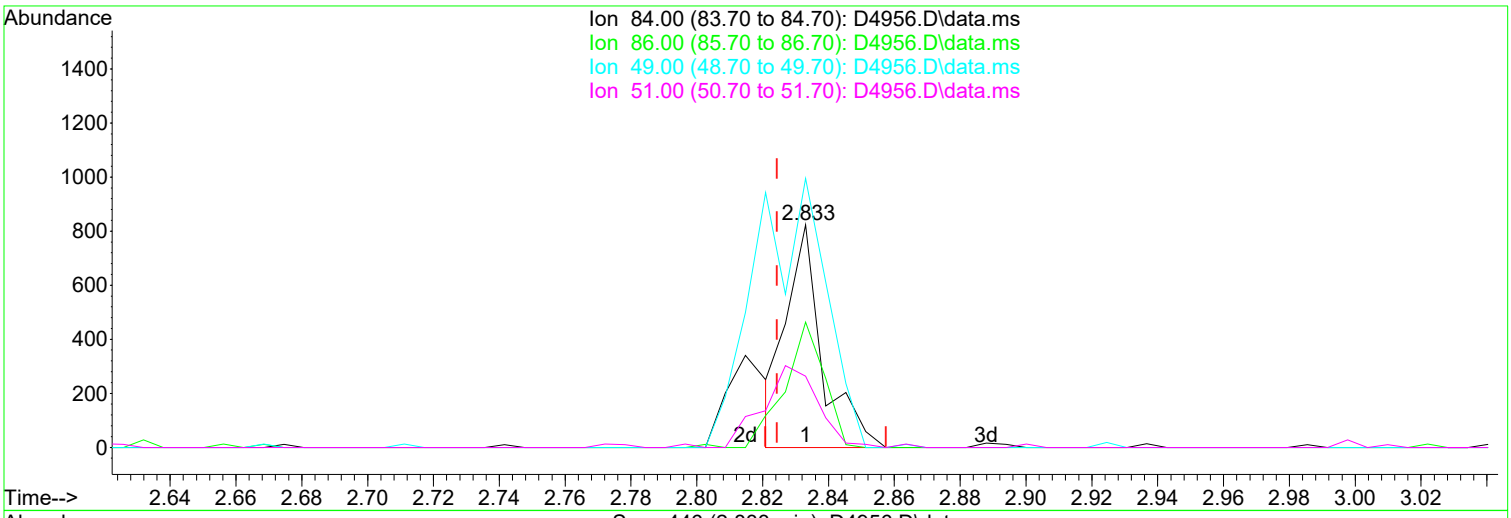
Poor integration.

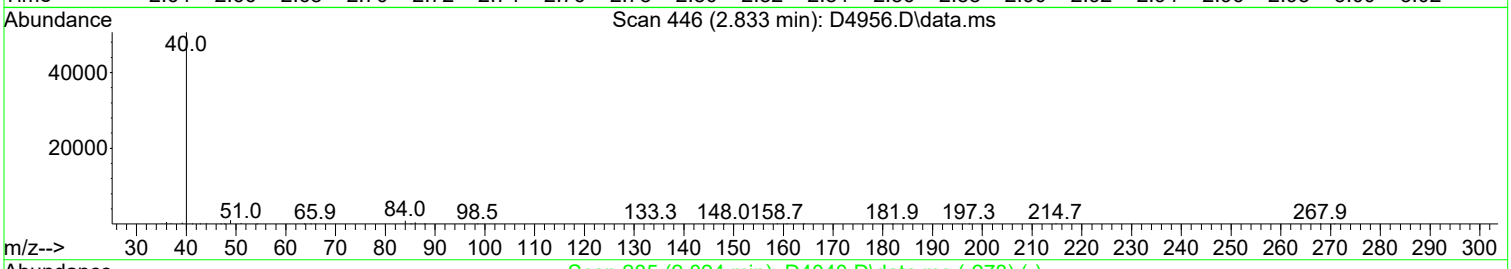
01/29/24

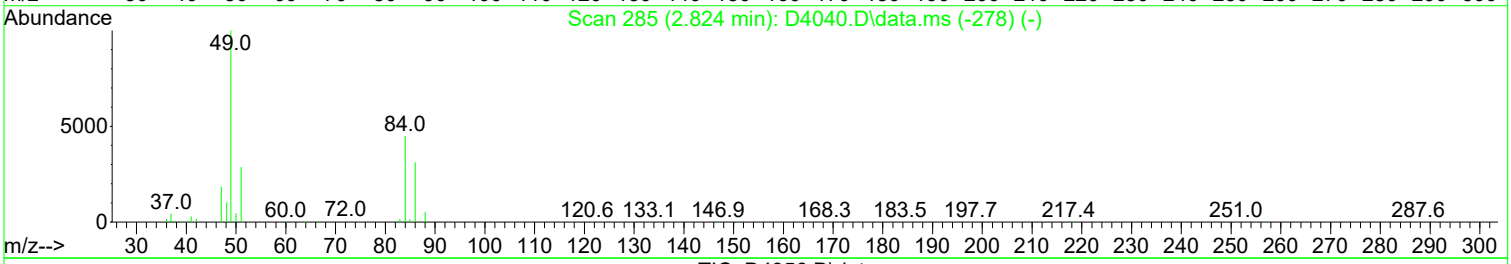
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\012624\
Data File : D4956.D
Acq On : 26 Jan 2024 01:29 pm
Operator : F.NAEGLER
Sample : MBLK-FP
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jan 26 15:19:04 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Fri Dec 08 14:34:38 2023
Response via : Initial Calibration







TIC: D4956.D\data.ms

(23) Methylene Chloride (P)

2.833min (+ 0.009) 0.23 ug/L

response 621

Ion	Exp%	Act%
84.00	100.00	100.00
86.00	69.60	56.31
49.00	222.70	120.75#
51.00	64.00	31.92#

Manual Integration:

Before

01/29/24

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\012624\
Data File : D4956.D
Acq On : 26 Jan 2024 01:29 pm
Operator : F.NAEGLER
Sample : MBLK-FP
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jan 26 15:19:04 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Fri Dec 08 14:34:38 2023
Response via : Initial Calibration

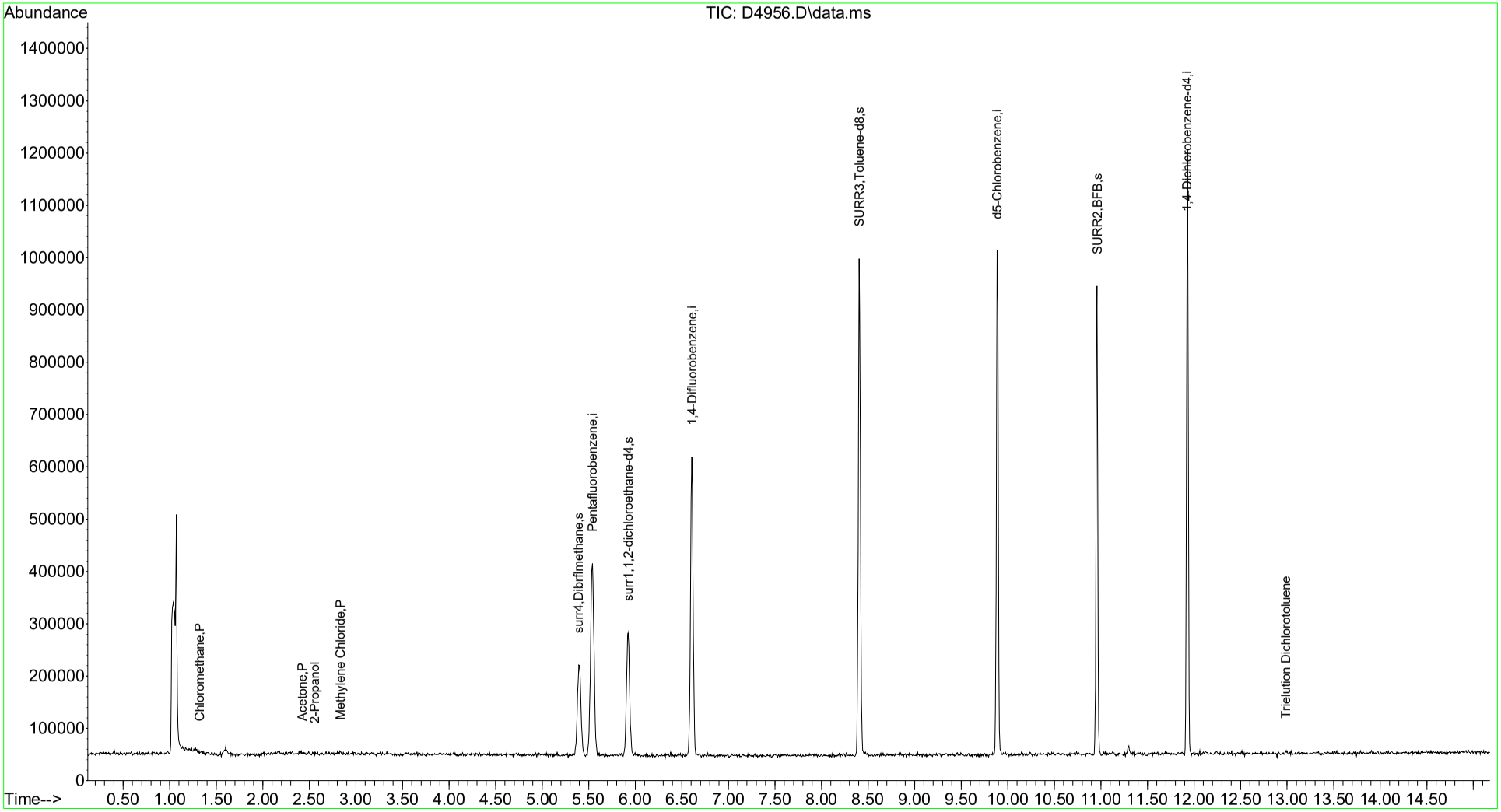
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.540	168	349425	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	6.607	114	449957	50.00	ug/L	0.00
71) d5-Chlorobenzene	9.887	117	402234	50.00	ug/L	0.00
91) 1,4-Dichlorobenzene-d4	11.929	152	226324	50.00	ug/L	0.00
System Monitoring Compounds						
44) surr4,Dibrflmethane	5.394	113	132859	45.55	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 91.10%			
47) surr1,1,2-dichloroetha...	5.924	65	205085	52.19	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 104.38%			
65) SURR3,Toluene-d8	8.405	98	516321	49.03	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 98.06%			
70) SURR2,BFB	10.960	95	194479	47.22	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 94.44%			
Target Compounds						Qvalue
4) Chloromethane	1.321	50	1405	0.260	ug/L #	52
16) Acetone	2.425	43	2493	0.926	ug/L	78
17) 2-Propanol	2.559	45	590m	1.225	ug/L	
23) Methylene Chloride	2.833	84	910m	0.337	ug/L	
112) Trielution Dichlorotol...	12.990	125	1425	0.244	ug/L	87

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

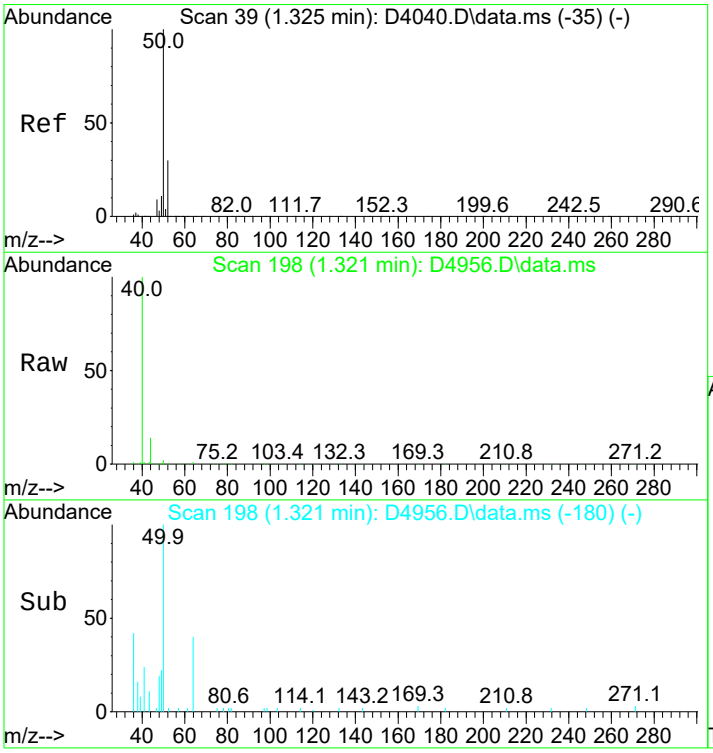
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\012624\
Data File : D4956.D
Acq On : 26 Jan 2024 01:29 pm
Operator : F.NAEGLER
Sample : MBLK-FP
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jan 26 15:19:04 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Fri Dec 08 14:34:38 2023
Response via : Initial Calibration



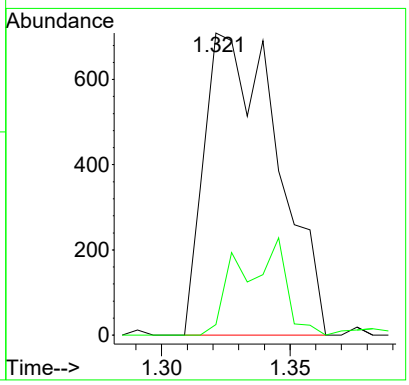
1st FN 01/29/24
2nd 01/29/24

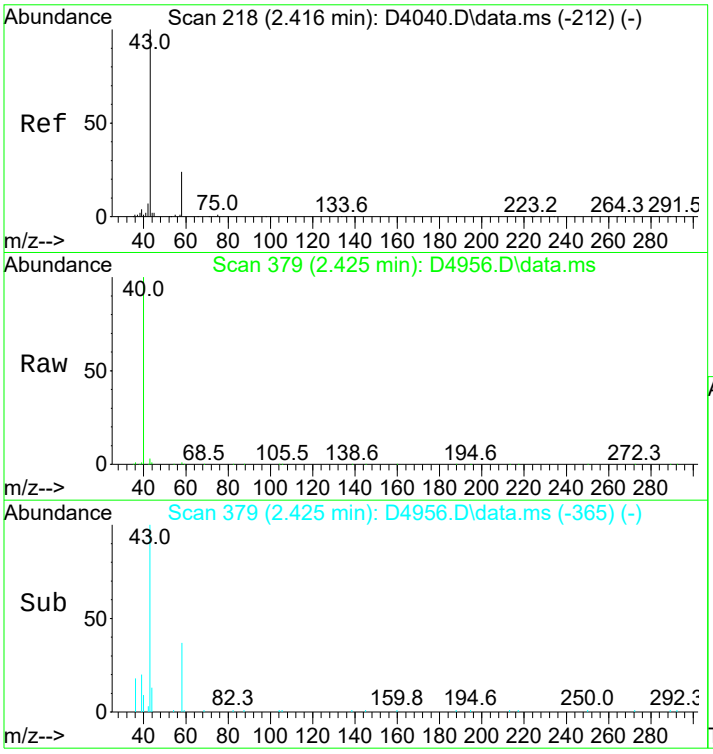


#4
Chloromethane
Concen: 0.26 ug/L
RT: 1.321 min Scan# 198
Delta R.T. -0.004 min
Lab File: D4956.D
Acq: 26 Jan 2024 01:29 pm

Tgt Ion: 50 Resp: 1405

Ion	Ratio	Lower	Upper
50	100		
52	3.5	9.6	49.6#

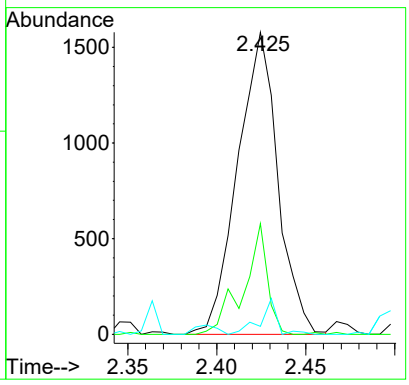


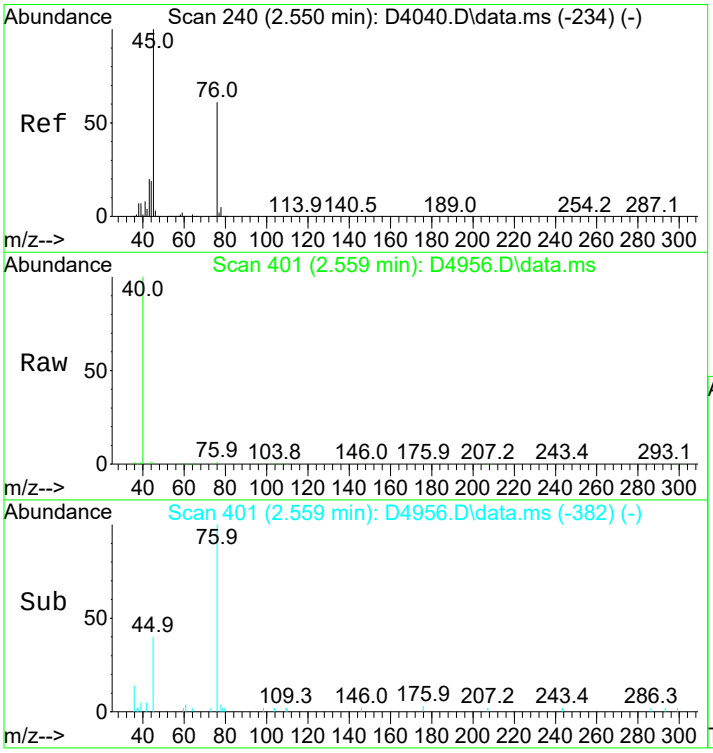


#16
Acetone
Concen: 0.93 ug/L
RT: 2.425 min Scan# 379
Delta R.T. 0.009 min
Lab File: D4956.D
Acq: 26 Jan 2024 01:29 pm

Tgt Ion: 43 Resp: 2493

Ion	Ratio	Lower	Upper
43	100		
58	36.7	4.4	44.4
42	2.7	0.0	26.7

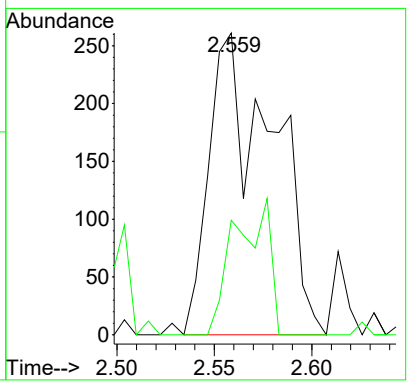


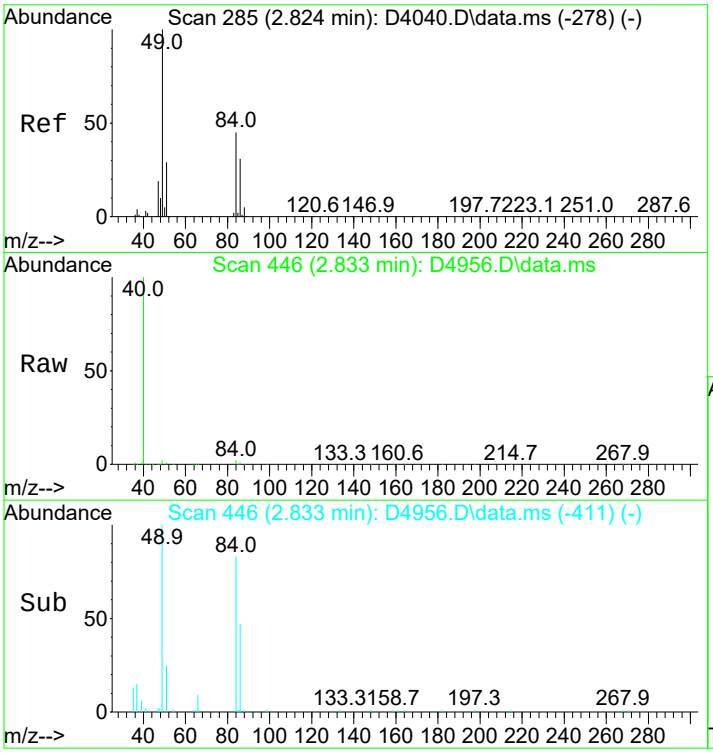


#17
2-Propanol
Concen: 1.23 ug/L m
RT: 2.559 min Scan# 401
Delta R.T. 0.009 min
Lab File: D4956.D
Acq: 26 Jan 2024 01:29 pm

Tgt Ion: 45 Resp: 590

Ion	Ratio	Lower	Upper
45	100		
43	37.9	0.0	39.9

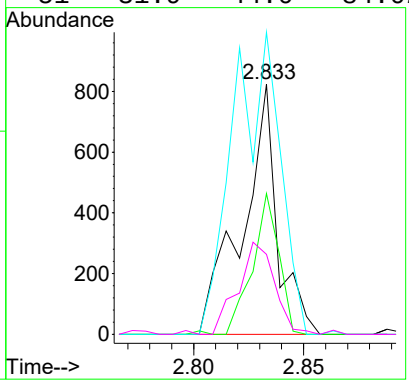


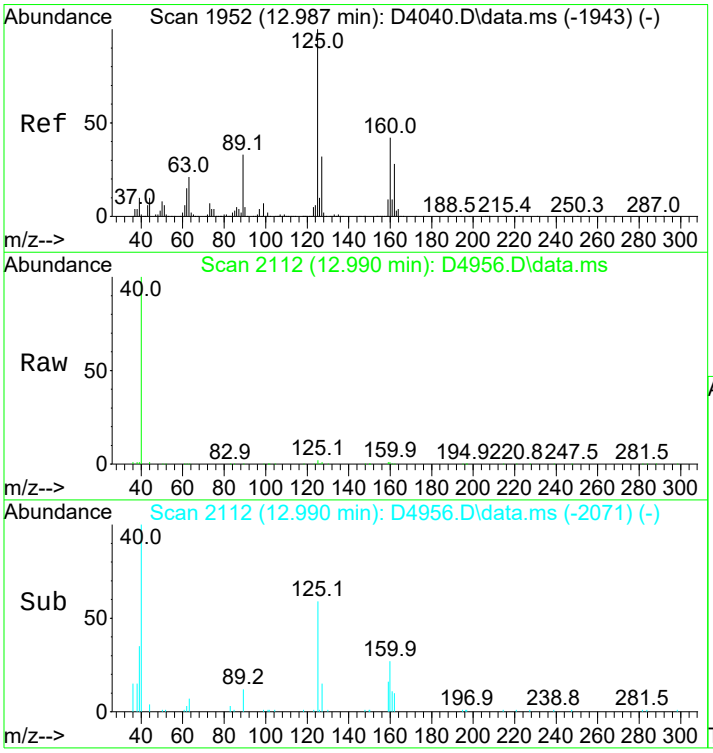


#23
Methylene Chloride
Concen: 0.34 ug/L m
RT: 2.833 min Scan# 446
Delta R.T. 0.009 min
Lab File: D4956.D
Acq: 26 Jan 2024 01:29 pm

Tgt Ion: 84 Resp: 910

Ion	Ratio	Lower	Upper
84	100		
86	56.3	49.6	89.6
49	120.8	202.7	242.7#
51	31.9	44.0	84.0#

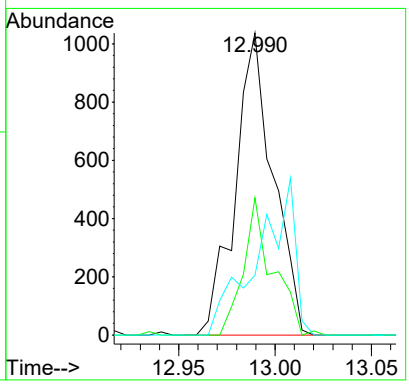




#112
Trielution Dichlorotoluene
Concen: 0.24 ug/L
RT: 12.990 min Scan# 2112
Delta R.T. 0.003 min
Lab File: D4956.D
Acq: 26 Jan 2024 01:29 pm

Tgt Ion:125 Resp: 1425

Ion	Ratio	Lower	Upper
125	100		
160	45.4	21.7	61.7
89	19.8	12.7	52.7



LSC Area Percent Report

Data Path : I:\ACQUDATA\msvoa10\data\012624\
Data File : D4956.D
Acq On : 26 Jan 2024 01:29 pm
Operator : F.NAEGLER
Sample : MBLK-FP
Misc :
ALS Vial : 9 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 300 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Title : MS#10 - 8260B WATERS 5.0mL Purge

Signal : TIC: D4956.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.041	144	152	155	rBV	289699	743784	48.58%	7.618%
2	1.071	155	157	167	rVB2	449775	422611	27.60%	4.328%
3	1.589	236	242	243	rBV2	13094	24285	1.59%	0.249%
4	5.394	858	866	878	rVB2	175020	478162	31.23%	4.897%
5	5.540	881	890	899	rVB	366409	947804	61.91%	9.707%
6	5.924	944	953	963	rBV	235611	561467	36.67%	5.750%
7	6.607	1055	1065	1072	rBV	571078	1105202	72.19%	11.319%
8	8.405	1352	1360	1370	rBV	952331	1530945	100.00%	15.680%
9	9.887	1597	1603	1609	rBV	963238	1334953	87.20%	13.672%
10	10.960	1773	1779	1787	rVB	897290	1136045	74.21%	11.635%
11	11.301	1831	1835	1839	rBV2	14853	19260	1.26%	0.197%
12	11.929	1933	1938	1945	rBV	1160433	1443214	94.27%	14.781%
13	12.910	2096	2099	2102	rBV	9593	16211	1.06%	0.166%

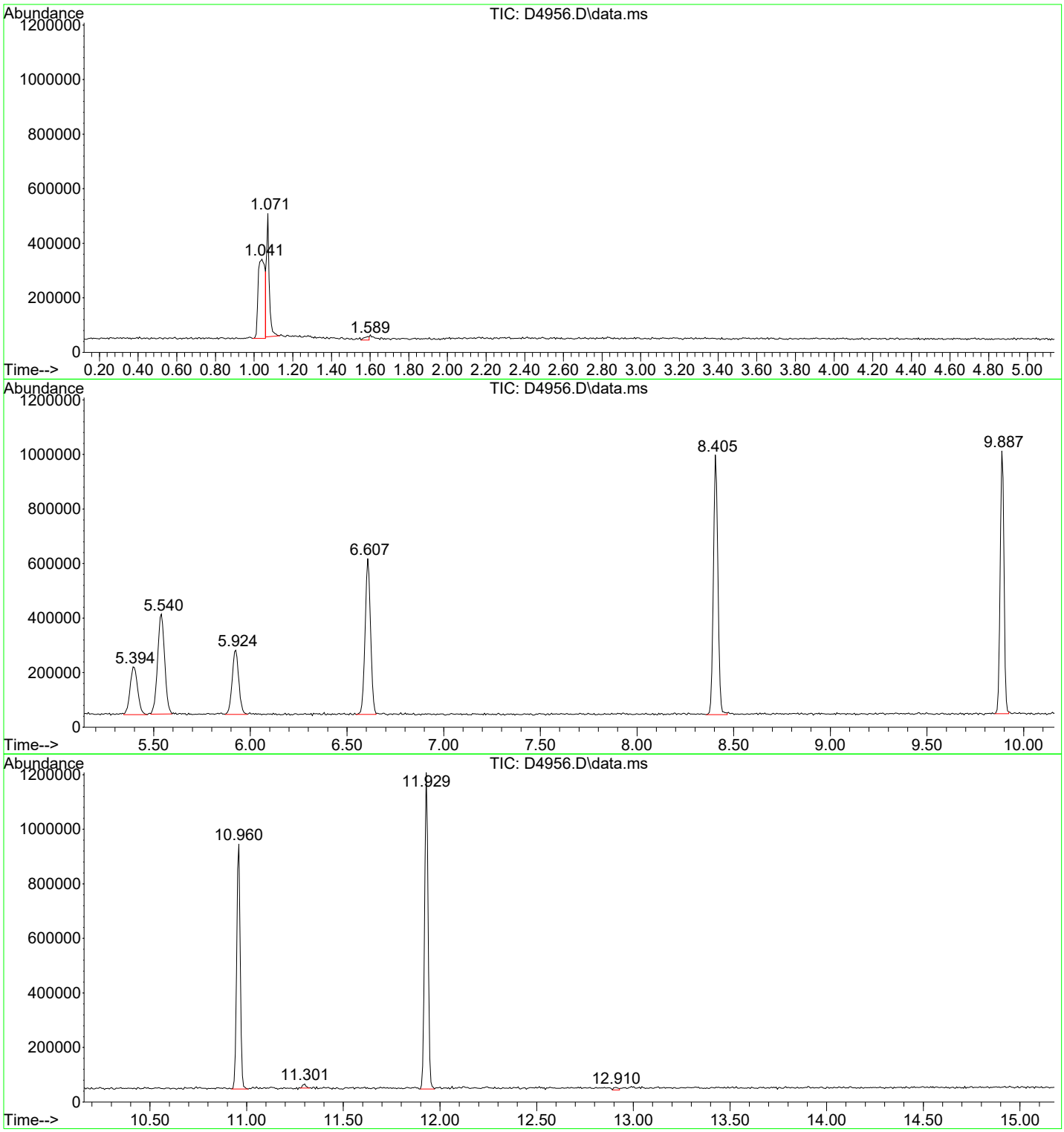
Sum of corrected areas: 9763943

LSC Report - Integrated Chromatogram

Data Path : I:\ACQUDATA\msvoa10\data\012624\
Data File : D4956.D
Acq On : 26 Jan 2024 01:29 pm
Operator : F.NAEGLER
Sample : MBLK-FP
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge

TIC Library : I:\ACQUDATA\DATABASE\NBS75K.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : I:\ACQUDATA\msvoa10\data\012624\
Data File : D4956.D
Acq On : 26 Jan 2024 01:29 pm
Operator : F.NAEGLER
Sample : MBLK-FP
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge

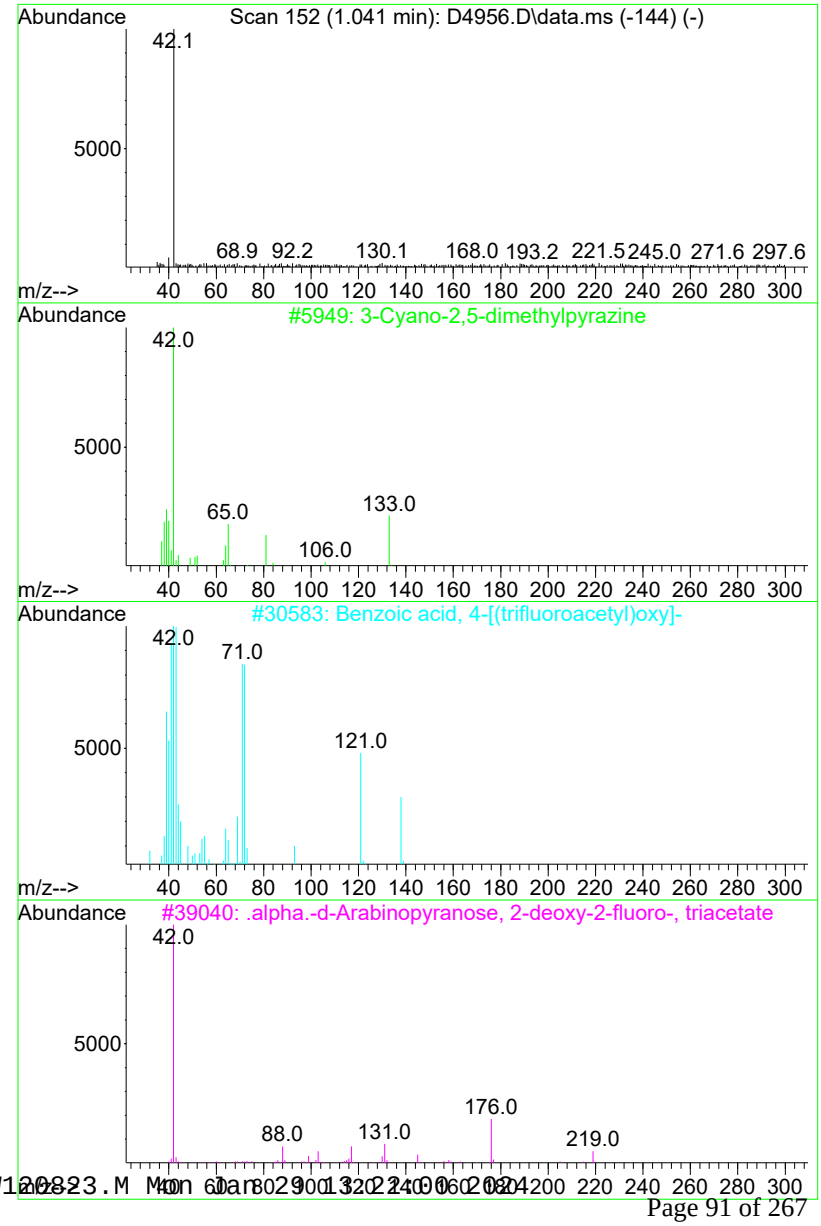
TIC Library : I:\ACQUDATA\DATABASE\NBS75K.L
TIC Integration Parameters: LSCINT.P

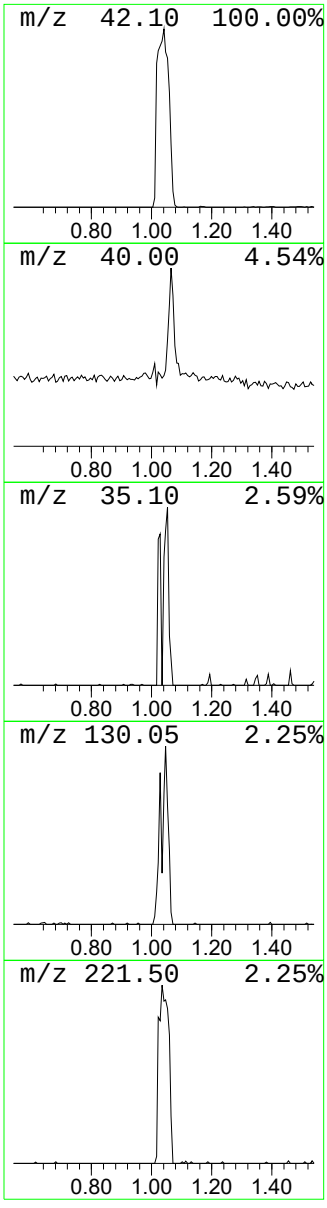
****

Peak Number 1 unknown Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.041	39.24 ug/L	743784	Pentafluorobenzene	5.540

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Cyano-2,5-dimethylpyrazine	133	C7H7N3	000000-00-0	39
2	Benzoic acid, 4-[(trifluoroacety...	234	C9H5F3O4	069745-79-5	38
3	.alpha.-d-Arabinopyranose, 2-deo...	278	C11H15FO7	055000-57-2	38
4	Formic acid, propyl ester	88	C4H8O2	000110-74-7	36
5	2-Propanamine, N-(1-methylpropyl...	113	C7H15N	038836-39-4	36





Library Search Compound Report

Data Path : I:\ACQUDATA\msvoa10\data\012624\
Data File : D4956.D
Acq On : 26 Jan 2024 01:29 pm
Operator : F.NAEGLER
Sample : MBLK-FP
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge

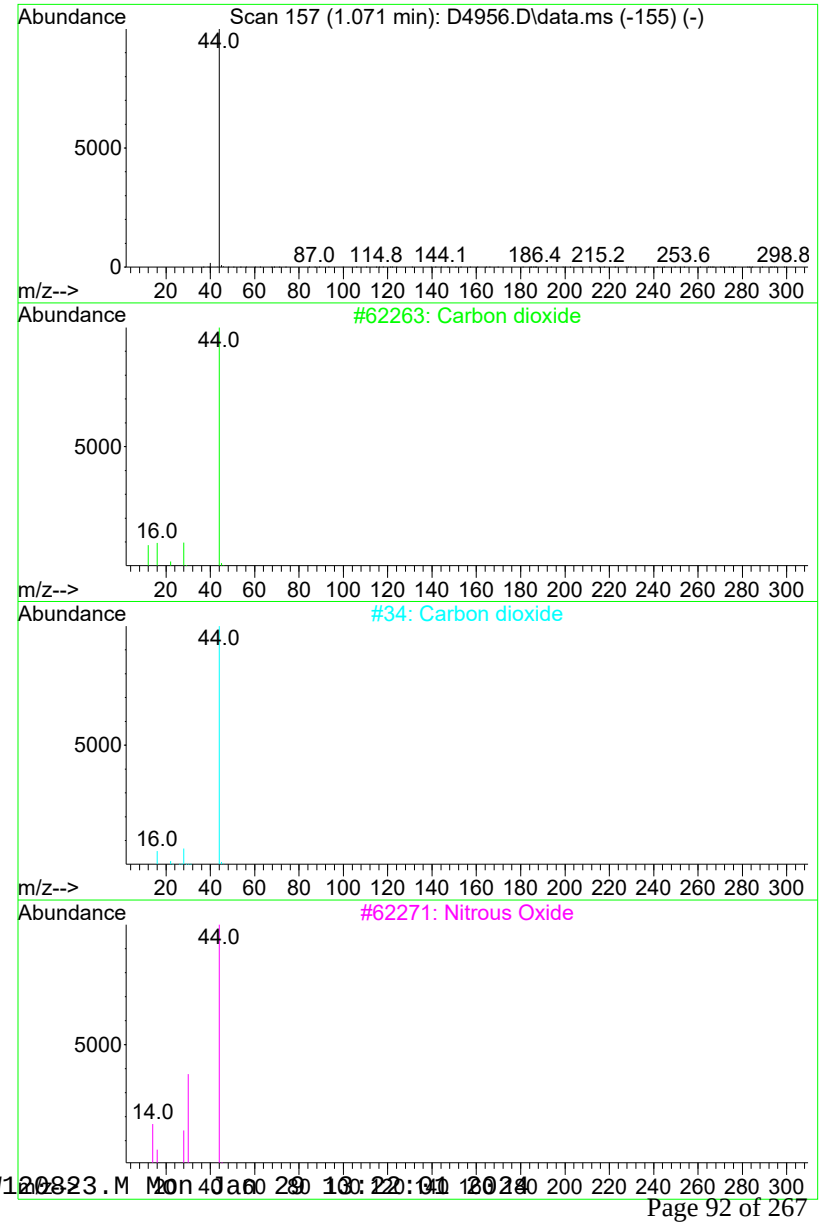
TIC Library : I:\ACQUDATA\DATABASE\NBS75K.L
TIC Integration Parameters: LSCINT.P

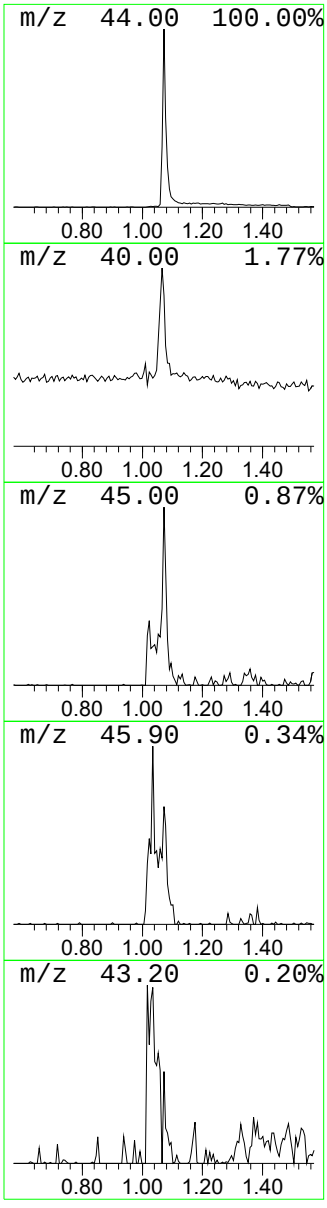
****

Peak Number 2 Carbon dioxide Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.071	22.29 ug/L	422611	Pentafluorobenzene	5.540

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbon dioxide	44	CO2	000124-38-9	4
2	Carbon dioxide	44	CO2	000124-38-9	4
3	Nitrous Oxide	44	N2O	010024-97-2	3
4	Nitrous Oxide	44	N2O	010024-97-2	3
5	Nitrous Oxide	44	N2O	010024-97-2	3





Tentatively Identified Compound (LSC) summary

Data Path : I:\ACQUDATA\msvoa10\data\012624\
Data File : D4956.D
Acq On : 26 Jan 2024 01:29 pm
Operator : F.NAEGLER
Sample : MBLK-FP
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge

TIC Library : I:\ACQUDATA\DATABASE\NBS75K.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown	1.041	39.2	ug/L	743784	1	5.540	947804	50.0
Carbon dioxide	1.071	22.3	ug/L	422611	1	5.540	947804	50.0

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\012924\
Data File : D4989.D
Acq On : 29 Jan 2024 12:42 pm
Operator : F.NAEGLER
Sample : MBK-FP
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jan 29 15:27:25 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Fri Dec 08 14:34:38 2023
Response via : Initial Calibration

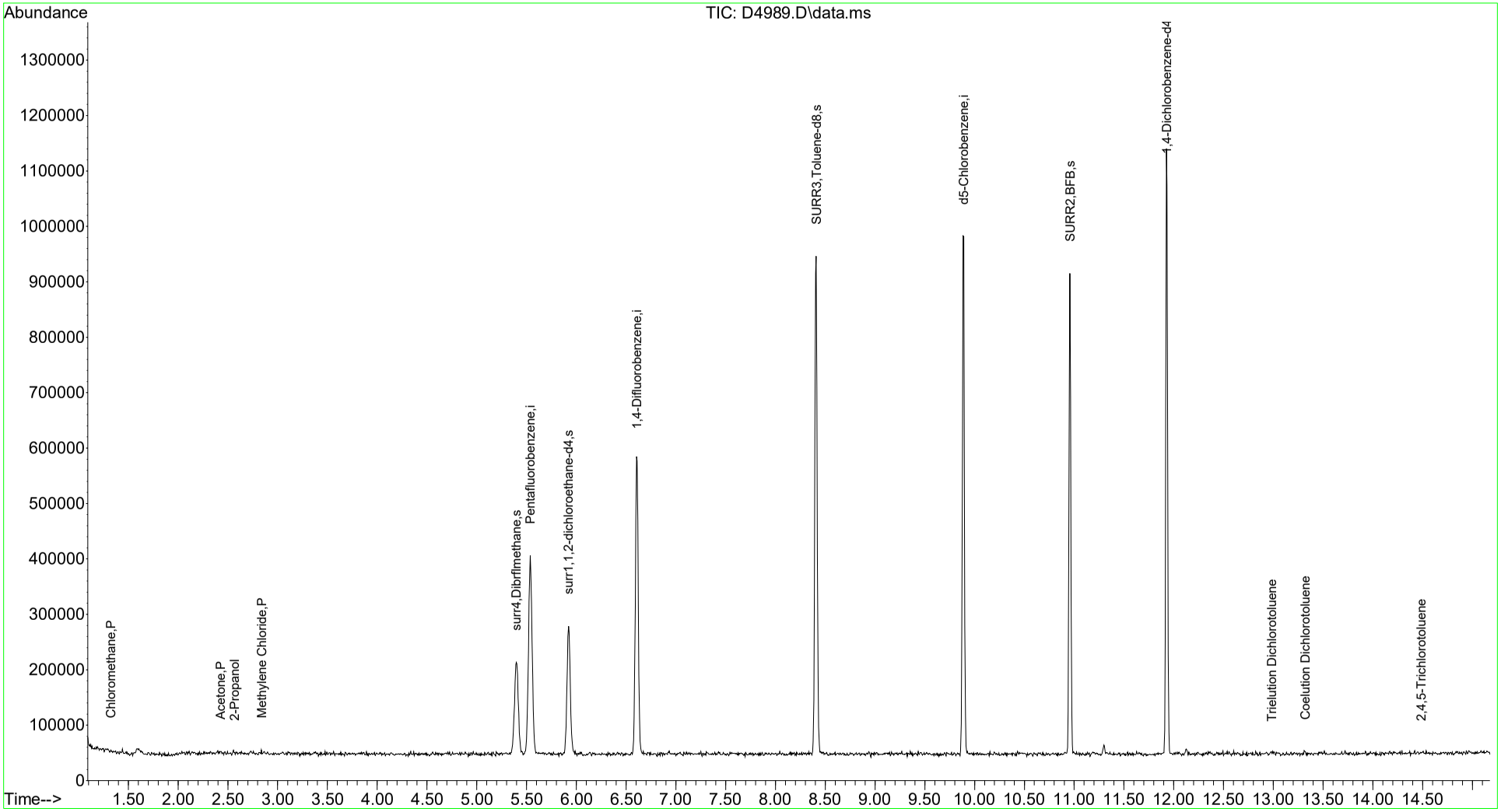
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.537	168	331627	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	6.610	114	431904	50.00	ug/L	0.00
71) d5-Chlorobenzene	9.890	117	397840	50.00	ug/L	0.00
91) 1,4-Dichlorobenzene-d4	11.932	152	215685	50.00	ug/L	0.00
System Monitoring Compounds						
44) surr4,Dibrflmethane	5.397	113	129832	46.38	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 92.76%			
47) surr1,1,2-dichloroetha...	5.921	65	197236	52.29	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 104.58%			
65) SURR3,Toluene-d8	8.409	98	501020	49.56	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 99.12%			
70) SURR2,BFB	10.957	95	184906	46.77	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 93.54%			
Target Compounds						Qvalue
4) Chloromethane	1.325	50	1379	0.269	ug/L	94
6) Bromomethane	1.605	94	291	Below Cal	#	21
16) Acetone	2.428	43	2864	1.121	ug/L	84
17) 2-Propanol	2.568	45	477	1.044	ug/L	57
23) Methylene Chloride	2.837	84	643	0.251	ug/L #	80
112) Trielution Dichlorotol...	12.987	125	1732	0.311	ug/L #	68
114) Coelution Dichlorotoluene	13.322	125	1487	0.245	ug/L	81
119) 2,4,5-Trichlorotoluene	14.487	159	1124	0.354	ug/L #	64

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

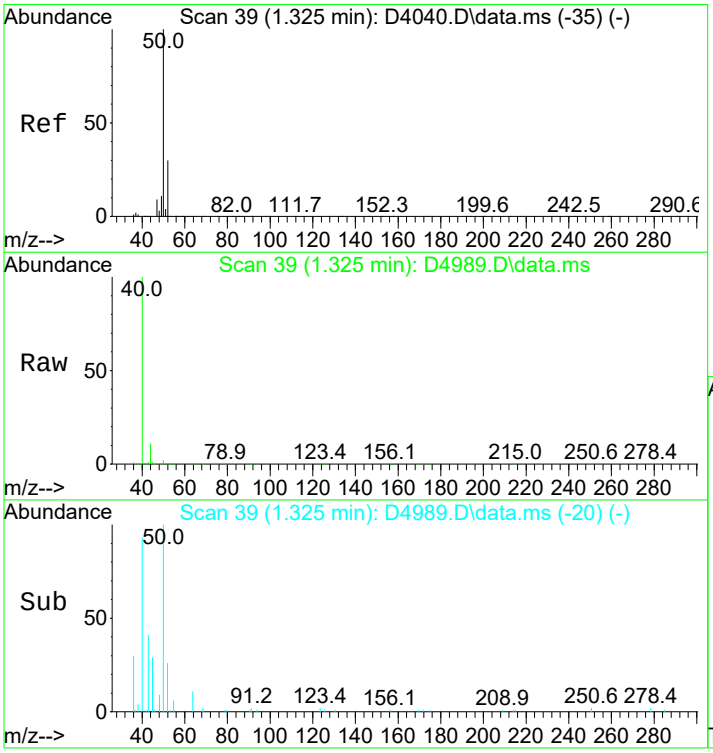
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\012924\
Data File : D4989.D
Acq On : 29 Jan 2024 12:42 pm
Operator : F.NAEGLER
Sample : MBK-FP
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jan 29 15:27:25 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Fri Dec 08 14:34:38 2023
Response via : Initial Calibration



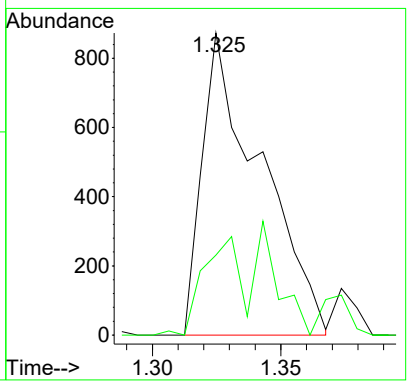
1st FJ 01/30/24
2nd 01/30/24

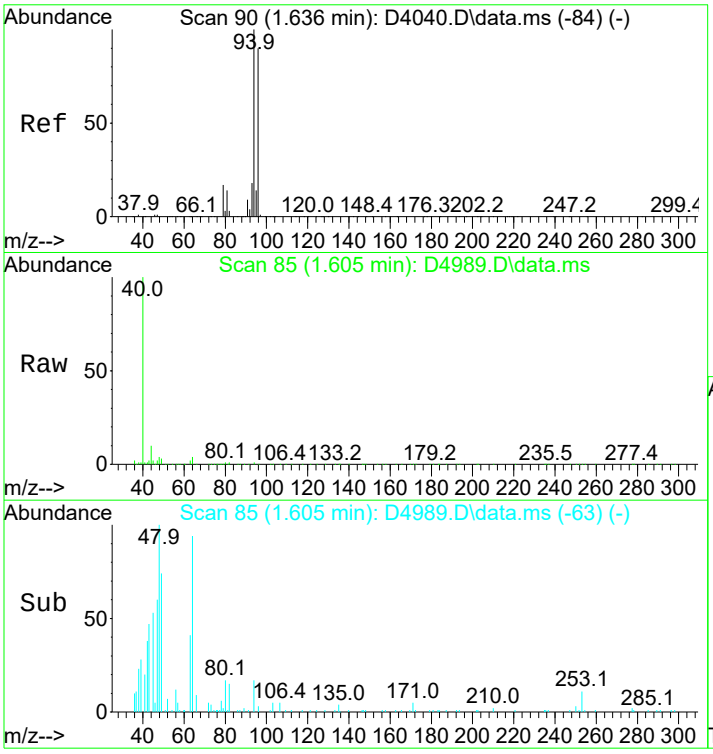


#4
Chloromethane
Concen: 0.27 ug/L
RT: 1.325 min Scan# 39
Delta R.T. 0.000 min
Lab File: D4989.D
Acq: 29 Jan 2024 12:42 pm

Tgt Ion: 50 Resp: 1379

Ion	Ratio	Lower	Upper
50	100		
52	26.5	9.6	49.6

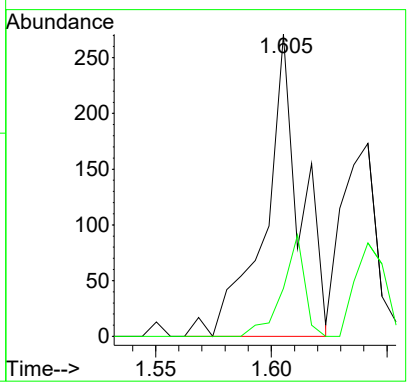


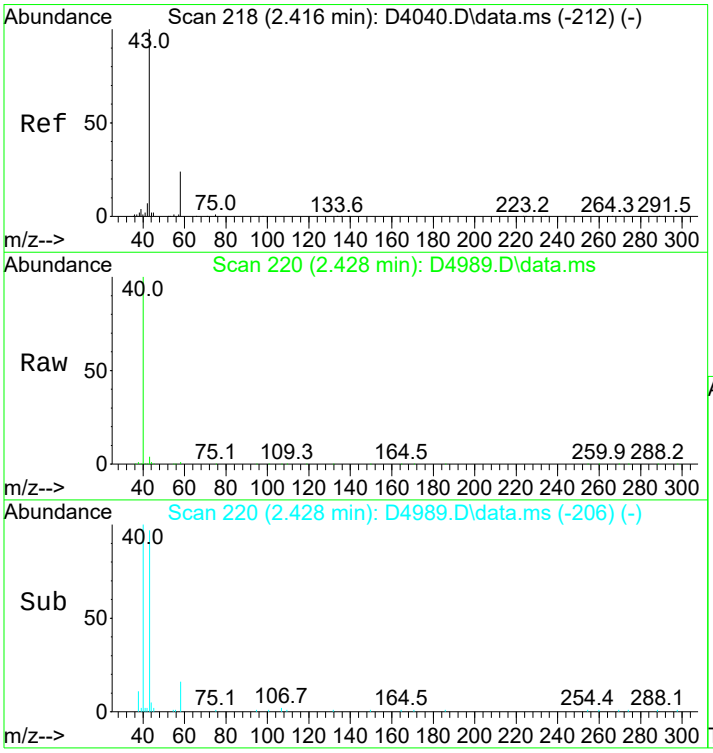


#6
Bromomethane
Concen: Below Cal
RT: 1.605 min Scan# 85
Delta R.T. -0.030 min
Lab File: D4989.D
Acq: 29 Jan 2024 12:42 pm

Tgt Ion: 94 Resp: 291

Ion	Ratio	Lower	Upper
94	100		
96	15.9	70.4	110.4#

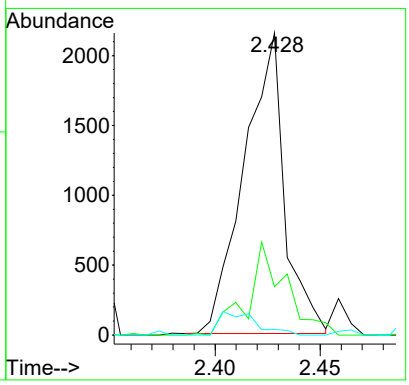


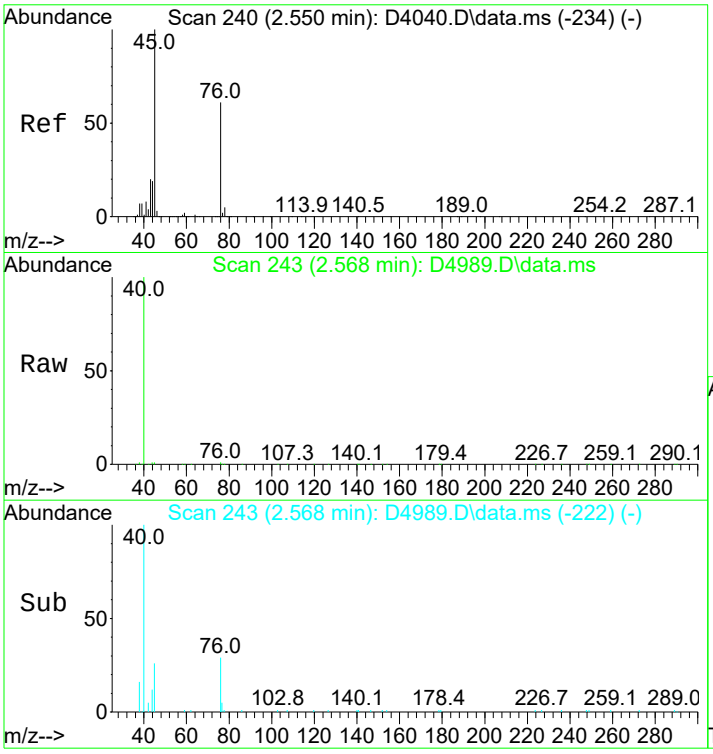


#16
Acetone
Concen: 1.12 ug/L
RT: 2.428 min Scan# 220
Delta R.T. 0.012 min
Lab File: D4989.D
Acq: 29 Jan 2024 12:42 pm

Tgt Ion: 43 Resp: 2864

Ion	Ratio	Lower	Upper
43	100		
58	16.0	4.4	44.4
42	1.9	0.0	26.7

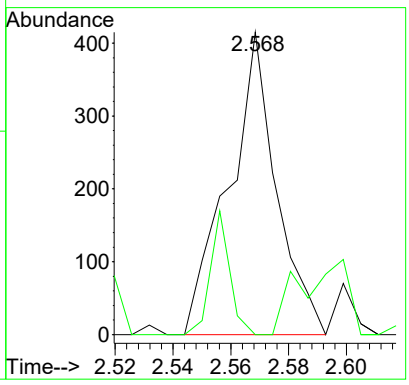


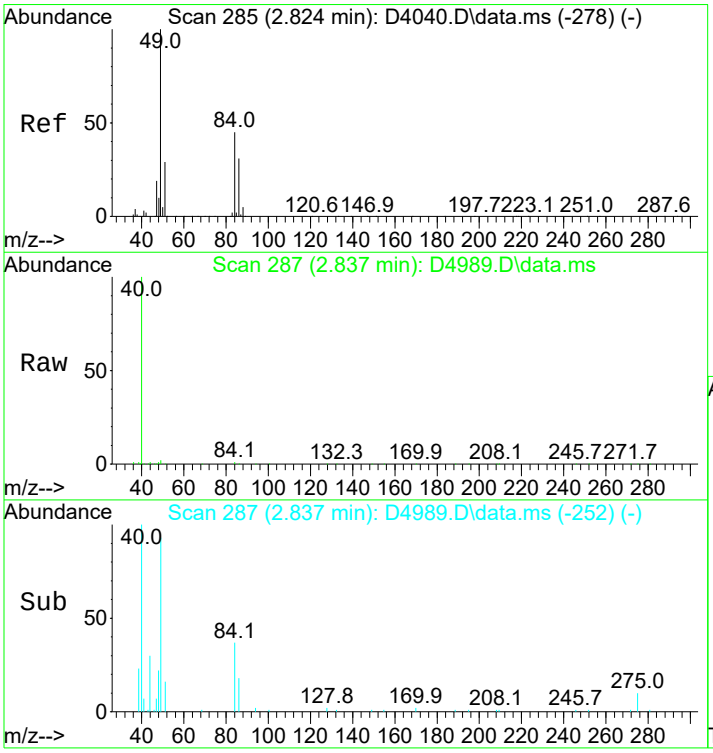


#17
2-Propanol
Concen: 1.04 ug/L
RT: 2.568 min Scan# 243
Delta R.T. 0.018 min
Lab File: D4989.D
Acq: 29 Jan 2024 12:42 pm

Tgt Ion: 45 Resp: 477

Ion	Ratio	Lower	Upper
45	100		
43	0.0	0.0	39.9

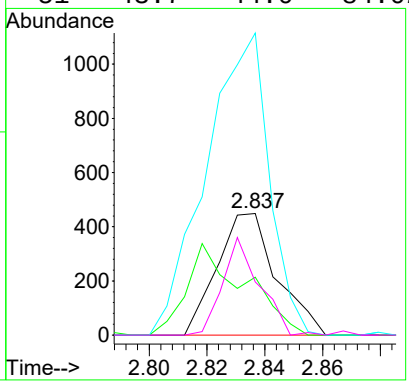


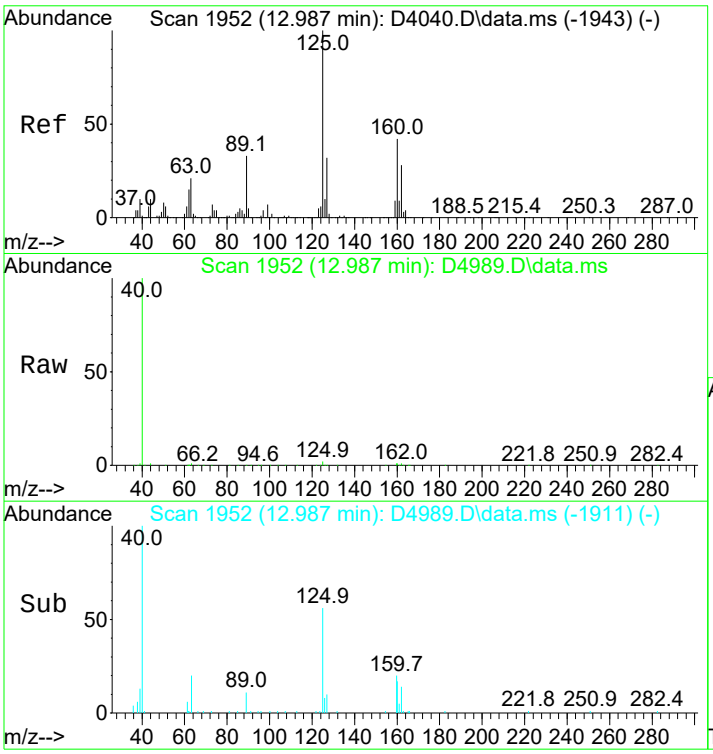


#23
Methylene Chloride
Concen: 0.25 ug/L
RT: 2.837 min Scan# 287
Delta R.T. 0.012 min
Lab File: D4989.D
Acq: 29 Jan 2024 12:42 pm

Tgt Ion: 84 Resp: 643

Ion	Ratio	Lower	Upper
84	100		
86	47.7	49.6	89.6#
49	248.3	202.7	242.7#
51	43.7	44.0	84.0#

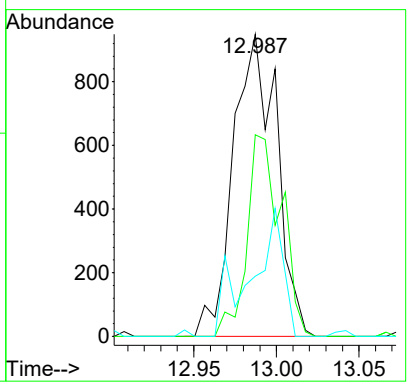


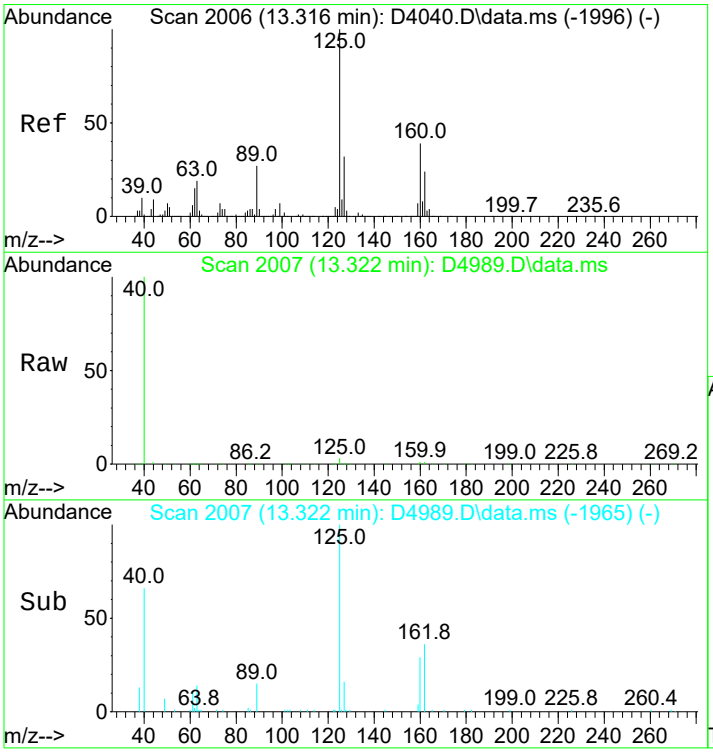


#112
Trielution Dichlorotoluene
Concen: 0.31 ug/L
RT: 12.987 min Scan# 1952
Delta R.T. 0.000 min
Lab File: D4989.D
Acq: 29 Jan 2024 12:42 pm

Tgt Ion:125 Resp: 1732

Ion	Ratio	Lower	Upper
125	100		
160	66.7	21.7	61.7#
89	19.9	12.7	52.7

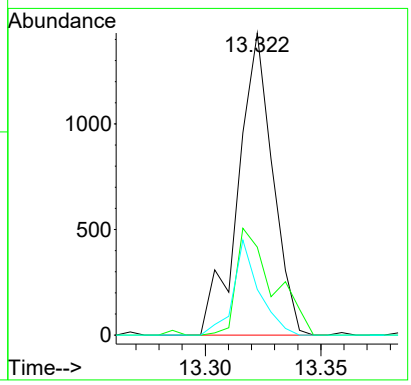


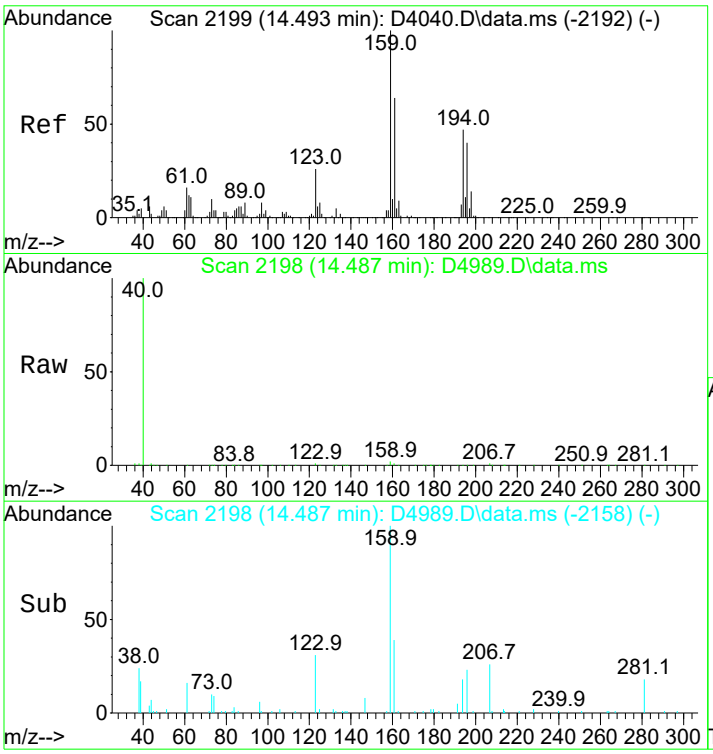


#114
Coelution Dichlorotoluene
Concen: 0.24 ug/L
RT: 13.322 min Scan# 2007
Delta R.T. 0.006 min
Lab File: D4989.D
Acq: 29 Jan 2024 12:42 pm

Tgt Ion:125 Resp: 1487

Ion	Ratio	Lower	Upper
125	100		
160	29.1	18.6	58.6
89	15.2	7.1	47.1

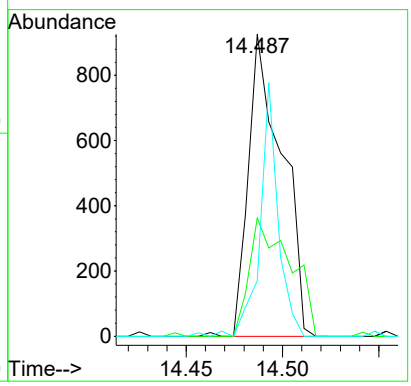




#119
2,4,5-Trichlorotoluene
Concen: 0.35 ug/L
RT: 14.487 min Scan# 2198
Delta R.T. -0.006 min
Lab File: D4989.D
Acq: 29 Jan 2024 12:42 pm

Tgt Ion:159 Resp: 1124

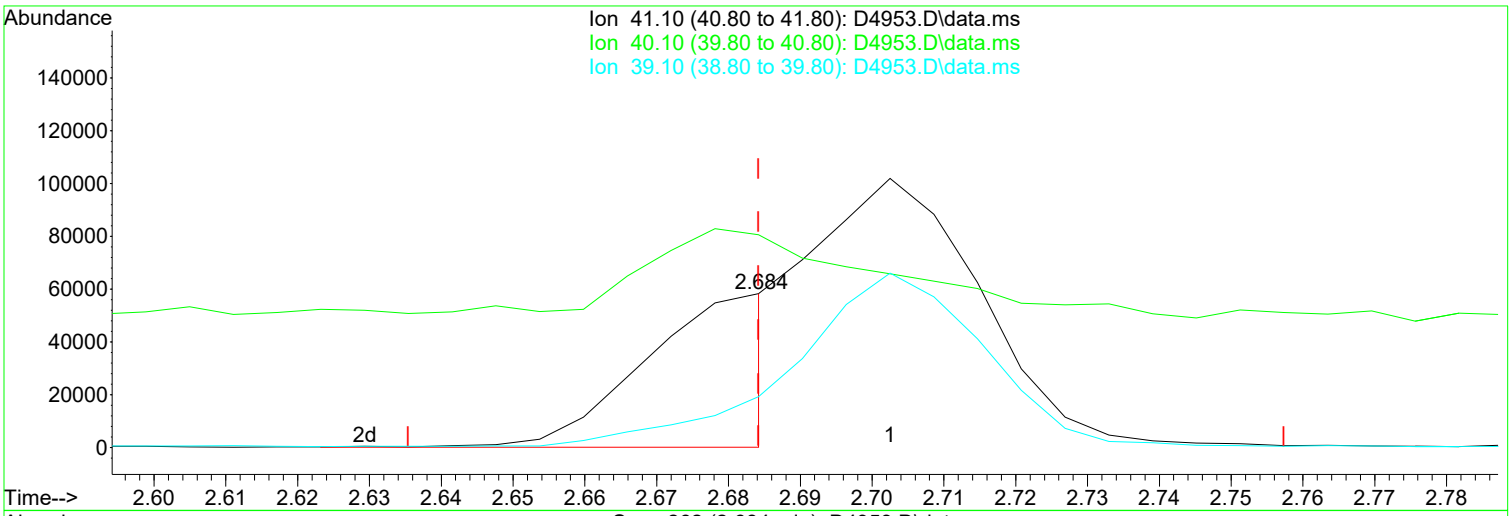
Ion	Ratio	Lower	Upper
159	100		
161	39.2	43.6	83.6#
194	18.4	26.6	66.6#

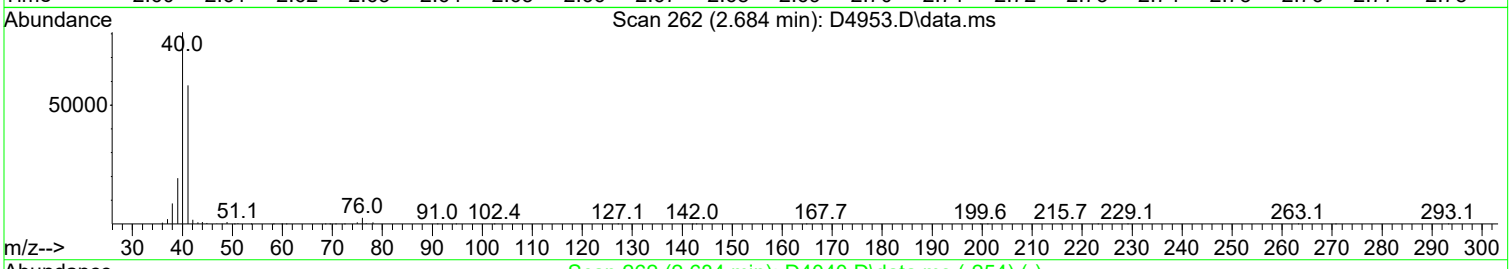


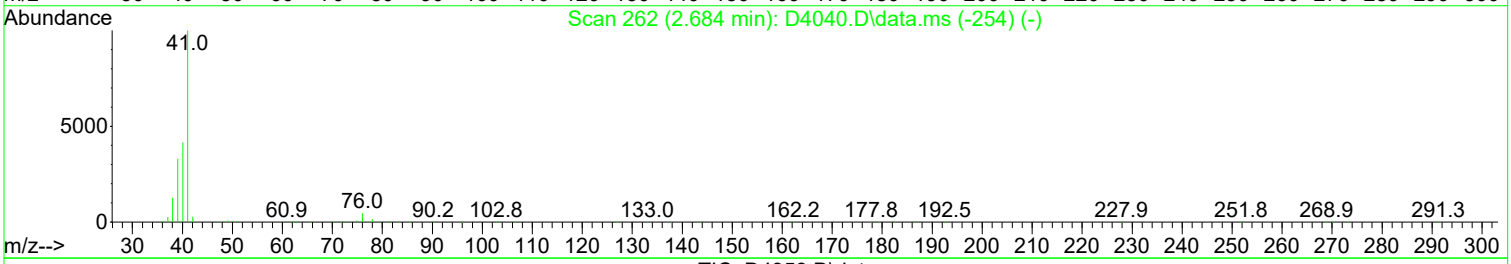
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\012624\
Data File : D4953.D
Acq On : 26 Jan 2024 12:10 pm
Operator : F.NAEGLER
Sample : LCS-FP
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 26 12:26:21 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Fri Dec 08 14:34:38 2023
Response via : Initial Calibration







TIC: D4953.D\data.ms

(20) Acetonitrile

2.684min (+ 0.000) 85.08 ug/L m

response 72238

Ion	Exp%	Act%
41.10	100.00	100.00
40.10	41.80	138.45#
39.10	33.10	32.99
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

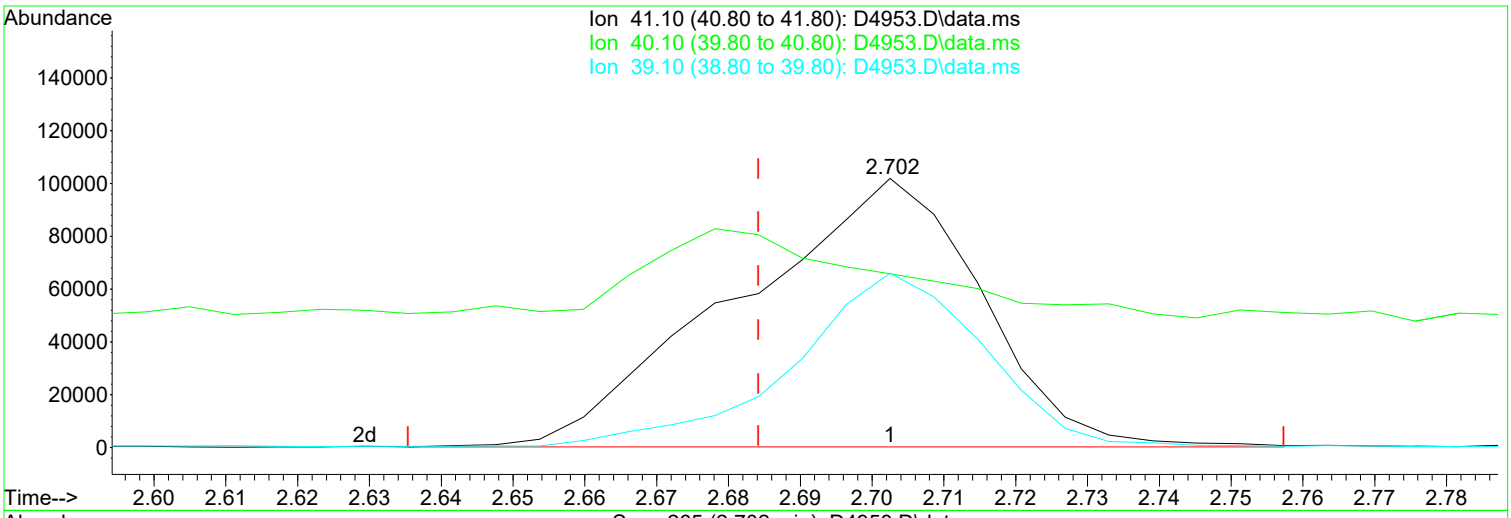
01/26/24

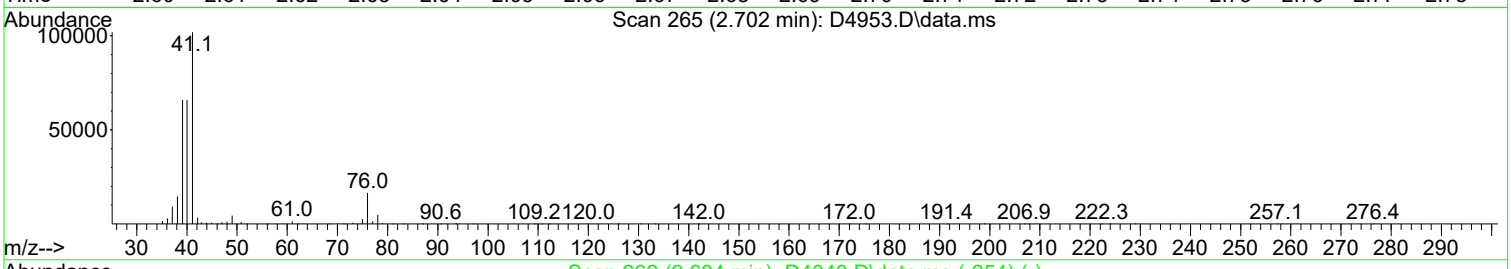
1st FN 01/26/24
2nd 01/29/24

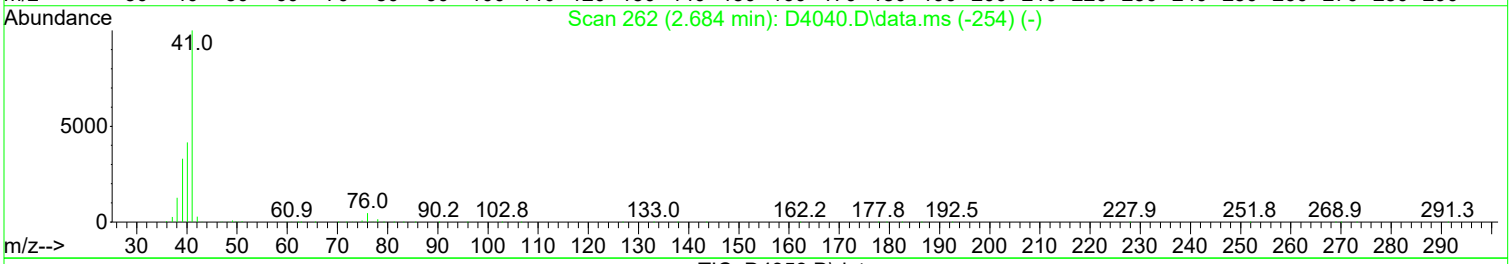
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\012624\
Data File : D4953.D
Acq On : 26 Jan 2024 12:10 pm
Operator : F.NAEGLER
Sample : LCS-FP
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 26 12:26:21 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Fri Dec 08 14:34:38 2023
Response via : Initial Calibration







TIC: D4953.D\data.ms

(20) Acetonitrile

2.702min (+ 0.018) 282.44 ug/L

response 239799

Ion	Exp%	Act%
41.10	100.00	100.00
40.10	41.80	64.60#
39.10	33.10	64.80#
0.00	0.00	0.00

Manual Integration:

Before

01/26/24

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\012624\
Data File : D4953.D
Acq On : 26 Jan 2024 12:10 pm
Operator : F.NAEGLER
Sample : LCS-FP
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 26 12:26:21 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Fri Dec 08 14:34:38 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.537	168	352316	50.00	ug/L		0.00
42) 1,4-Difluorobenzene	6.610	114	454140	50.00	ug/L		0.00
71) d5-Chlorobenzene	9.890	117	412553	50.00	ug/L		0.00
91) 1,4-Dichlorobenzene-d4	11.932	152	236880	50.00	ug/L		0.00
System Monitoring Compounds							
44) surr4,Dibrflmethane	5.403	113	138339	46.99	ug/L		0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 93.98%				
47) surr1,1,2-dichloroetha...	5.921	65	206758	52.13	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 104.26%				
65) SURR3,Toluene-d8	8.409	98	526019	49.49	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 98.98%				
70) SURR2,BFB	10.957	95	199733	48.05	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 96.10%				
Target Compounds							Qvalue
2) Chlorodifluoromethane	1.203	51	97998	26.126	ug/L		96
3) Dichlorodifluoromethane	1.191	85	49297	12.734	ug/L		98
4) Chloromethane	1.331	50	97139	17.826	ug/L		89
5) Vinyl Chloride	1.404	62	64484	17.288	ug/L		100
6) Bromomethane	1.642	94	37016	25.303	ug/L		100
7) Chloroethane	1.721	64	40804	15.578	ug/L		94
8) Freon 21	1.873	67	92322	20.404	ug/L		99
9) Trichlorofluoromethane	1.922	101	90115	20.877	ug/L		97
10) Diethyl Ether	2.166	59	61564	18.775	ug/L		96
11) Freon 123a	2.172	67	59154	19.005	ug/L		98
12) Freon 123	2.221	83	77778	22.150	ug/L		92
13) Acrolein	2.270	56	32278	33.134	ug/L		99
14) 1,1-Diclethene	2.361	96	42900	17.628	ug/L		95
15) Freon 113	2.361	101	44040	16.765	ug/L		100
16) Acetone	2.416	43	44339	16.331	ug/L		95
17) 2-Propanol	2.556	45	160034	329.673	ug/L		100
18) Iodomethane	2.495	142	83662	20.219	ug/L		98
19) Carbon Disulfide	2.562	76	128805	17.508	ug/L		99
20) Acetonitrile	2.684	41	72238m	85.085	ug/L		
21) Allyl Chloride	2.702	76	28156	18.703	ug/L	#	91
22) Methyl Acetate	2.733	43	89021	12.998	ug/L		97
23) Methylene Chloride	2.830	84	56112	20.612	ug/L		96
24) TBA	2.971	59	206033	347.140	ug/L		97
25) Acrylonitrile	3.099	53	204037	95.758	ug/L		91
26) Methyl-t-Butyl Ether	3.141	73	192124	20.559	ug/L		92
27) trans-1,2-Dichloroethene	3.129	96	47000	17.831	ug/L		92
28) 1,1-Diclethane	3.647	63	111236	19.864	ug/L		94
29) Vinyl Acetate	3.745	86	8533	21.011	ug/L	#	94
30) DIPE	3.775	45	294393	17.542	ug/L		92
31) 2-Chloro-1,3-Butadiene	3.769	53	120346	18.365	ug/L		94
32) ETBE	4.324	59	189568	16.148	ug/L		94
33) 2,2-Dichloropropane	4.507	77	70884	16.411	ug/L		94
34) cis-1,2-Dichloroethene	4.519	96	57777	18.634	ug/L		99
35) 2-Butanone	4.586	43	57378	16.168	ug/L		97
36) Propionitrile	4.678	54	84561	95.952	ug/L		96
37) Bromochloromethane	4.934	130	41874	19.769	ug/L		94
38) Methacrylonitrile	4.952	67	30418	19.359	ug/L		90
39) Tetrahydrofuran	5.056	42	41151	18.211	ug/L		100
40) Chloroform	5.117	83	100022	20.360	ug/L		97

1st FNJ 01/26/24
2nd WR 01/29/24

Data Path : I:\ACQUDATA\msvoa10\data\012624\
Data File : D4953.D
Acq On : 26 Jan 2024 12:10 pm
Operator : F.NAEGLER
Sample : LCS-FP
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 26 12:26:21 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Fri Dec 08 14:34:38 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) 1,1,1-Trichloroethane	5.403	97	87027	19.737	ug/L		95
43) Cyclohexane	5.476	41	79923	19.463	ug/L		93
45) Carbontetrachloride	5.671	117	71773	18.880	ug/L		93
46) 1,1-Dichloropropene	5.678	75	69095	18.912	ug/L		93
48) Benzene	5.995	78	213072	20.189	ug/L		96
49) 1,2-Dichloroethane	6.037	62	108352	20.280	ug/L		95
50) Iso-Butyl Alcohol	6.025	43	107927	317.702	ug/L		99
51) TAME	6.232	73	155964	17.511	ug/L		89
52) n-Heptane	6.470	43	98455	17.767	ug/L		96
53) 1-Butanol	6.976	56	132454	848.588	ug/L		88
54) Trichloroethene	6.927	130	58482	19.142	ug/L		97
55) Methylcyclohexane	7.159	55	80377	18.044	ug/L		94
56) 1,2-Diclpropane	7.214	63	62581	19.803	ug/L		100
57) Dibromomethane	7.348	93	38109	19.019	ug/L	#	80
58) 1,4-Dioxane	7.427	88	20416	379.039	ug/L		88
59) Methyl Methacrylate	7.439	69	46907	19.708	ug/L	#	84
60) Bromodichloromethane	7.573	83	78806	20.628	ug/L		96
61) 2-Nitropropane	7.866	41	50374	34.174	ug/L		83
63) cis-1,3-Dichloropropene	8.110	75	88593	19.808	ug/L		94
64) 4-Methyl-2-pentanone	8.323	43	125044	18.852	ug/L		97
66) Toluene	8.482	91	231558	19.682	ug/L		98
67) trans-1,3-Dichloropropene	8.750	75	83697	19.481	ug/L		97
68) Ethyl Methacrylate	8.890	69	83680	19.791	ug/L		91
69) 1,1,2-Trichloroethane	8.939	97	53055	19.005	ug/L		96
72) Tetrachloroethene	9.067	164	48640	19.973	ug/L		91
73) 2-Hexanone	9.232	43	91353	18.694	ug/L		96
74) 1,3-Dichloropropane	9.110	76	93068	19.774	ug/L		86
75) Dibromochloromethane	9.329	129	62326	19.119	ug/L		96
76) N-Butyl Acetate	9.378	43	166127	17.134	ug/L		95
77) 1,2-Dibromoethane	9.427	107	54649	18.936	ug/L		96
78) 3-Chlorobenzotrifluoride	9.933	180	92734	17.410	ug/L		92
79) Chlorobenzene	9.914	112	160979	20.743	ug/L		98
80) 4-Chlorobenzotrifluoride	9.982	180	83706	17.625	ug/L		95
81) 1,1,1,2-Tetrachloroethane	10.000	131	57221	18.507	ug/L		97
82) Ethylbenzene	10.030	106	80889	20.379	ug/L		92
83) (m+p)Xylene	10.140	106	208699	41.711	ug/L		92
84) o-Xylene	10.500	106	105222	20.807	ug/L		97
85) Styrene	10.512	104	183628	21.637	ug/L		97
86) Bromoform	10.670	173	49204	20.792	ug/L		94
87) 2-Chlorobenzotrifluoride	10.744	180	90449	17.386	ug/L		97
88) Isopropylbenzene	10.829	105	262804	20.662	ug/L		97
89) Cyclohexanone	10.908	55	73253	74.957	ug/L		97
90) trans-1,4-Dichloro-2-B...	11.140	53	26491	14.973	ug/L		95
92) 1,1,2,2-Tetrachloroethane	11.091	83	74715	18.131	ug/L		95
93) Bromobenzene	11.079	156	79304	19.843	ug/L		98
94) 1,2,3-Trichloropropane	11.122	110	25937	18.294	ug/L		91
95) n-Propylbenzene	11.189	91	300368	20.435	ug/L		98
96) 2-Chlorotoluene	11.250	91	191280	20.382	ug/L		96
97) 3-Chlorotoluene	11.304	91	188989	19.363	ug/L		96
98) 4-Chlorotoluene	11.341	91	219836	20.434	ug/L		98
99) 1,3,5-Trimethylbenzene	11.341	105	224465	19.998	ug/L		95
100) tert-Butylbenzene	11.609	119	197986	20.361	ug/L		95
101) 1,2,4-Trimethylbenzene	11.652	105	229962	19.742	ug/L		98
102) 3,4-Dichlorobenzotrifl...	11.713	214	76477	16.919	ug/L		97
103) sec-Butylbenzene	11.792	105	262206	20.197	ug/L		97
104) p-Isopropyltoluene	11.914	119	246075	20.673	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\012624\
Data File : D4953.D
Acq On : 26 Jan 2024 12:10 pm
Operator : F.NAEGLER
Sample : LCS-FP
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 26 12:26:21 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Fri Dec 08 14:34:38 2023
Response via : Initial Calibration

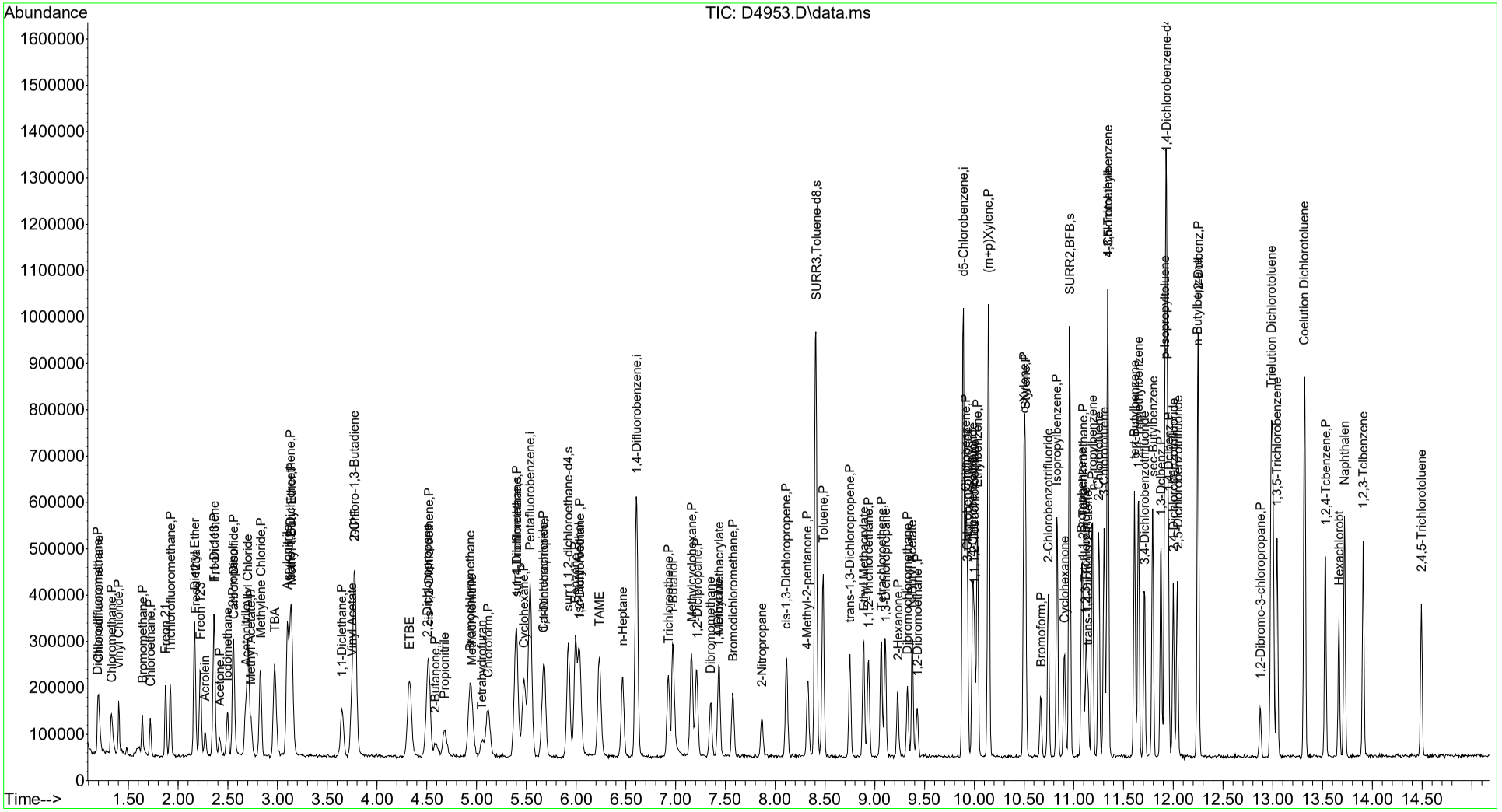
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
105) 1,3-Dclbenz	11.878	146	145533	20.396	ug/L	97
106) 1,4-Dclbenz	11.951	146	147624	19.789	ug/L	95
107) 2,4-Dichlorobenzotrifl...	11.999	214	71884	17.877	ug/L	98
108) 2,5-Dichlorobenzotrifl...	12.042	214	81562	17.512	ug/L	96
109) n-Butylbenzene	12.243	91	202315	20.680	ug/L	98
110) 1,2-Dclbenz	12.249	146	144855	20.222	ug/L	98
111) 1,2-Dibromo-3-chloropr...	12.877	157	20322	16.454	ug/L	91
112) Trielution Dichlorotol...	12.987	125	334698	54.712	ug/L	99
113) 1,3,5-Trichlorobenzene	13.042	180	109247	18.309	ug/L	97
114) Coelution Dichlorotoluene	13.316	125	249561	37.374	ug/L	98
115) 1,2,4-Tcbenzene	13.530	180	112491	20.316	ug/L	93
116) Hexachlorobt	13.664	225	45608	19.149	ug/L	97
117) Naphthalen	13.719	128	303176	20.559	ug/L	97
118) 1,2,3-Tclbenzene	13.908	180	112309	20.671	ug/L	98
119) 2,4,5-Trichlorotoluene	14.493	159	63966	18.334	ug/L	94

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\012624\
Data File : D4953.D
Acq On : 26 Jan 2024 12:10 pm
Operator : F.NAEGLER
Sample : LCS-FP
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 26 12:26:21 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Fri Dec 08 14:34:38 2023
Response via : Initial Calibration

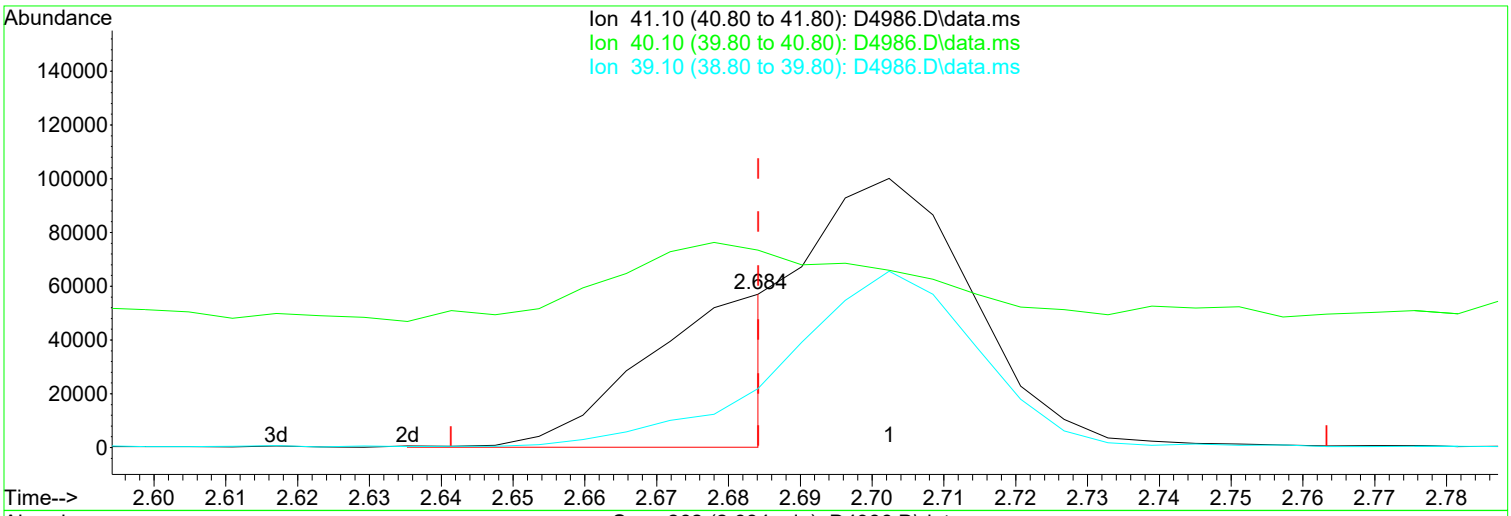


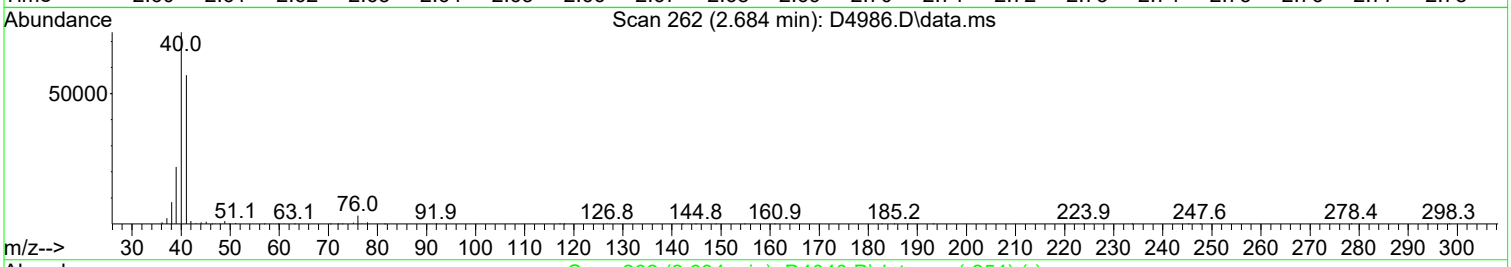
1st FJ 01/26/24
2nd 01/29/24

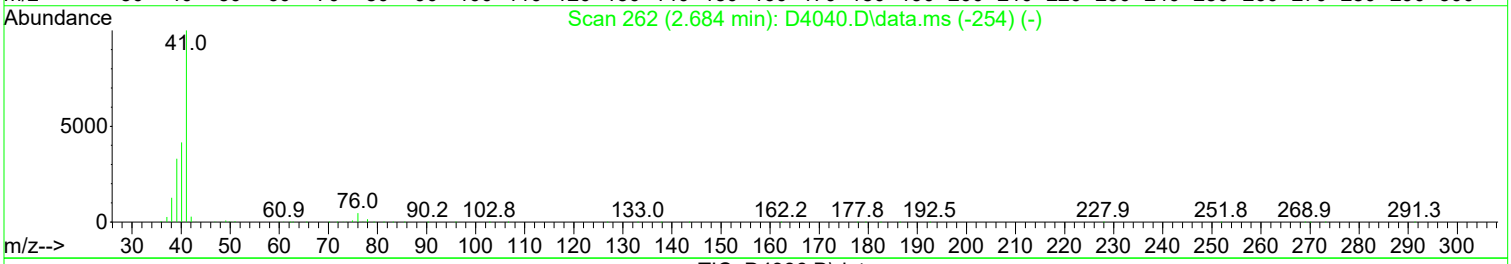
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\012924\
Data File : D4986.D
Acq On : 29 Jan 2024 11:23 am
Operator : F.NAEGLER
Sample : LCS-FP
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 29 11:39:48 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Fri Dec 08 14:34:38 2023
Response via : Initial Calibration







TIC: D4986.D\data.ms

(20) Acetonitrile

2.684min (-0.000) 82.60 ug/L m

response 70856

Ion	Exp%	Act%
41.10	100.00	100.00
40.10	41.80	128.88#
39.10	33.10	38.37
0.00	0.00	0.00

Manual Integration:

After

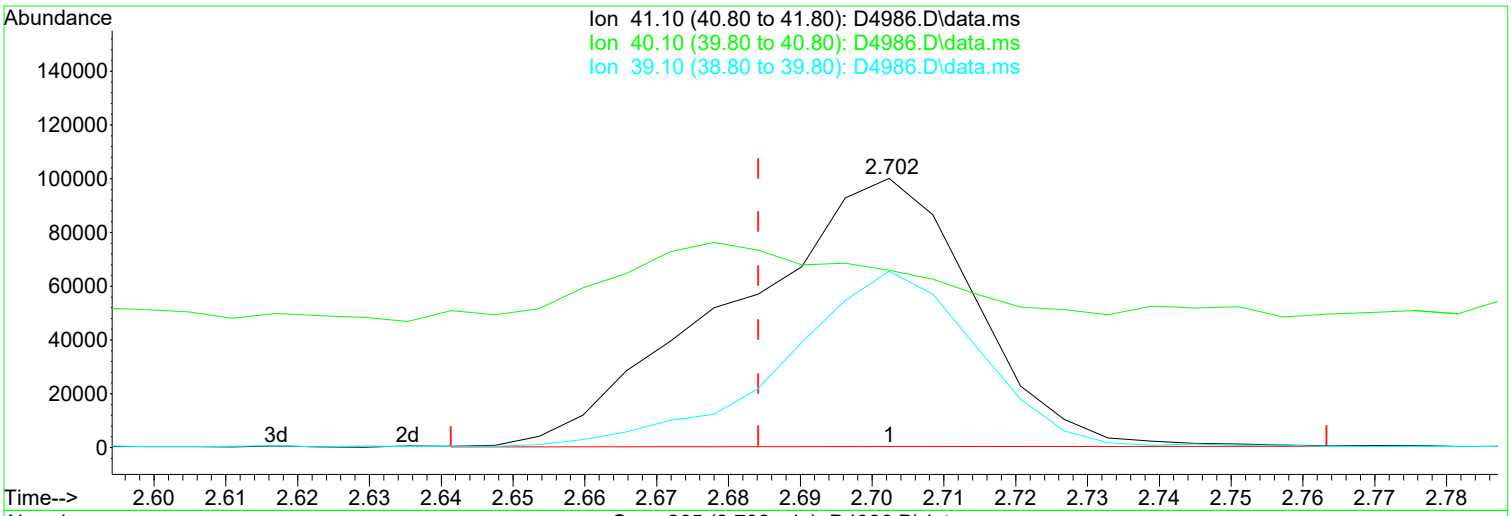
Poor integration.

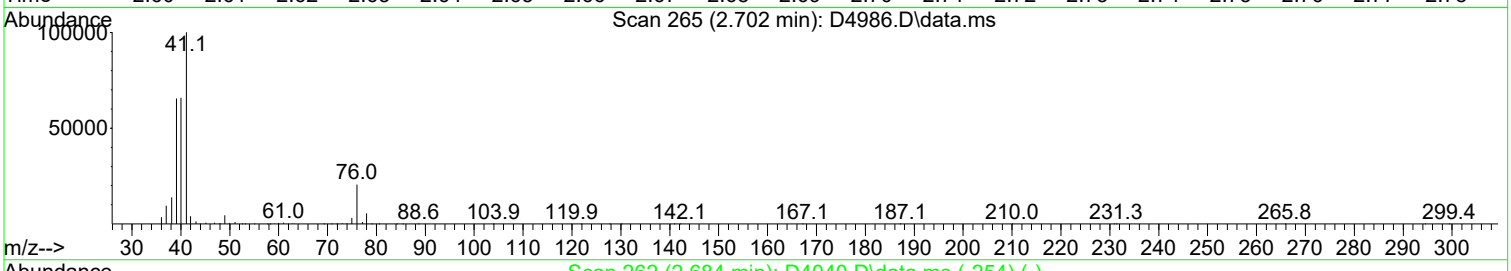
01/29/24

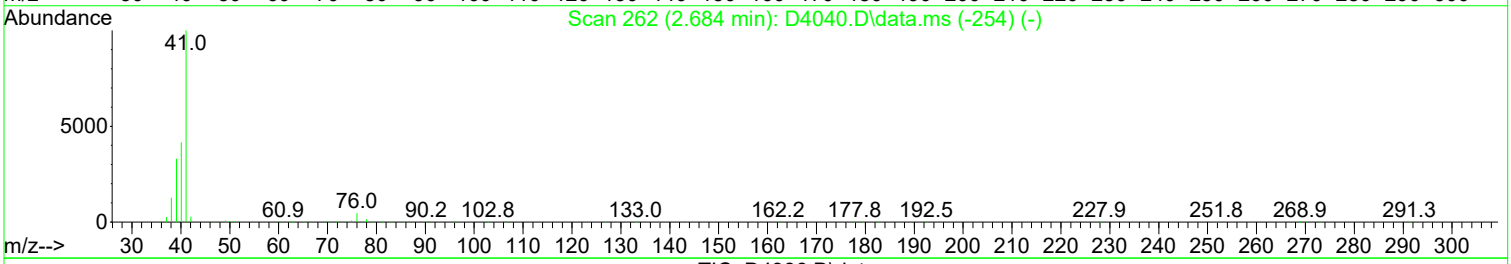
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\012924\
Data File : D4986.D
Acq On : 29 Jan 2024 11:23 am
Operator : F.NAEGLER
Sample : LCS-FP
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 29 11:39:48 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Fri Dec 08 14:34:38 2023
Response via : Initial Calibration







TIC: D4986.D\data.ms

(20) Acetonitrile

2.702min (+ 0.018) 269.61 ug/L

response 231270

Ion	Exp%	Act%
41.10	100.00	100.00
40.10	41.80	65.85#
39.10	33.10	65.53#
0.00	0.00	0.00

Manual Integration:

Before

01/29/24

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\012924\
Data File : D4986.D
Acq On : 29 Jan 2024 11:23 am
Operator : F.NAEGLER
Sample : LCS-FP
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 29 11:39:48 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Fri Dec 08 14:34:38 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.537	168	355966	50.00	ug/L		0.00
42) 1,4-Difluorobenzene	6.604	114	461791	50.00	ug/L		0.00
71) d5-Chlorobenzene	9.890	117	423512	50.00	ug/L		0.00
91) 1,4-Dichlorobenzene-d4	11.932	152	241834	50.00	ug/L		0.00
System Monitoring Compounds							
44) surr4,Dibrflmethane	5.391	113	139680	46.66	ug/L		0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 93.32%				
47) surr1,1,2-dichloroetha...	5.921	65	208076	51.59	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 103.18%				
65) SURR3,Toluene-d8	8.409	98	529158	48.96	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 97.92%				
70) SURR2,BFB	10.957	95	197855	46.81	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 93.62%				
Target Compounds							Qvalue
2) Chlorodifluoromethane	1.203	51	104815	27.657	ug/L		95
3) Dichlorodifluoromethane	1.190	85	51069	13.056	ug/L		98
4) Chloromethane	1.331	50	96248	17.482	ug/L		96
5) Vinyl Chloride	1.404	62	63421	16.829	ug/L		96
6) Bromomethane	1.642	94	40185	27.211	ug/L		95
7) Chloroethane	1.721	64	40901	15.455	ug/L		96
8) Freon 21	1.873	67	99829	21.837	ug/L		99
9) Trichlorofluoromethane	1.922	101	92551	21.221	ug/L		98
10) Diethyl Ether	2.160	59	61707	18.626	ug/L		98
11) Freon 123a	2.172	67	66486	21.142	ug/L		93
12) Freon 123	2.221	83	86994	24.521	ug/L		95
13) Acrolein	2.270	56	30726	31.218	ug/L		91
14) 1,1-Diclethene	2.361	96	46535	18.926	ug/L		96
15) Freon 113	2.361	101	46958	17.692	ug/L		91
16) Acetone	2.416	43	37655	13.727	ug/L		97
17) 2-Propanol	2.550	45	136301	277.904	ug/L		100
18) Iodomethane	2.495	142	81786	19.627	ug/L		86
19) Carbon Disulfide	2.556	76	143519	19.308	ug/L		99
20) Acetonitrile	2.684	41	70856m	82.601	ug/L		
21) Allyl Chloride	2.702	76	30058	19.762	ug/L	#	69
22) Methyl Acetate	2.733	43	84924	12.273	ug/L		95
23) Methylene Chloride	2.830	84	54490	19.810	ug/L	#	88
24) TBA	2.965	59	164529	274.368	ug/L		99
25) Acrylonitrile	3.099	53	182884	84.951	ug/L		95
26) Methyl-t-Butyl Ether	3.141	73	182913	19.372	ug/L		97
27) trans-1,2-Dichloroethene	3.129	96	49484	18.581	ug/L		91
28) 1,1-Diclethane	3.647	63	115177	20.357	ug/L		98
29) Vinyl Acetate	3.739	86	8103	19.778	ug/L	#	76
30) DIPE	3.769	45	310248	18.297	ug/L		92
31) 2-Chloro-1,3-Butadiene	3.769	53	133512	20.165	ug/L		99
32) ETBE	4.324	59	197454	16.648	ug/L		93
33) 2,2-Dichloropropane	4.513	77	76896	17.620	ug/L		94
34) cis-1,2-Dichloroethene	4.519	96	59745	19.071	ug/L		96
35) 2-Butanone	4.586	43	51377	14.329	ug/L		97
36) Propionitrile	4.672	54	75150	84.399	ug/L		99
37) Bromochloromethane	4.928	130	40962	19.140	ug/L	#	87
38) Methacrylonitrile	4.952	67	27849	17.542	ug/L		92
39) Tetrahydrofuran	5.049	42	34670	15.186	ug/L		94
40) Chloroform	5.110	83	106022	21.360	ug/L		90

1st FNJ 01/29/24
2nd WR 01/30/24

Data Path : I:\ACQUDATA\msvoa10\data\012924\
Data File : D4986.D
Acq On : 29 Jan 2024 11:23 am
Operator : F.NAEGLER
Sample : LCS-FP
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 29 11:39:48 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Fri Dec 08 14:34:38 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) 1,1,1-Trichloroethane	5.397	97	88559	19.879	ug/L		88
43) Cyclohexane	5.476	41	90159	21.592	ug/L		97
45) Carbontetrachloride	5.659	117	77992	20.176	ug/L		96
46) 1,1-Dichloropropene	5.684	75	72468	19.507	ug/L		98
48) Benzene	5.994	78	216659	20.189	ug/L		95
49) 1,2-Dichloroethane	6.037	62	108122	19.902	ug/L		92
50) Iso-Butyl Alcohol	6.025	43	90956	263.309	ug/L		94
51) TAME	6.232	73	162585	17.952	ug/L		91
52) n-Heptane	6.470	43	100808	17.890	ug/L		94
53) 1-Butanol	6.970	56	110842	704.472	ug/L		99
54) Trichloroethene	6.927	130	58199	18.733	ug/L		93
55) Methylcyclohexane	7.159	55	92171	20.349	ug/L		93
56) 1,2-Diclpropane	7.208	63	61450	19.123	ug/L		98
57) Dibromomethane	7.348	93	38342	18.818	ug/L		90
58) 1,4-Dioxane	7.421	88	17143	313.000	ug/L		98
59) Methyl Methacrylate	7.433	69	43024	17.777	ug/L	#	85
60) Bromodichloromethane	7.573	83	80592	20.746	ug/L		98
61) 2-Nitropropane	7.866	41	49969	33.338	ug/L		99
63) cis-1,3-Dichloropropene	8.110	75	90459	19.890	ug/L		95
64) 4-Methyl-2-pentanone	8.323	43	109994	16.308	ug/L		99
66) Toluene	8.482	91	232842	19.463	ug/L		99
67) trans-1,3-Dichloropropene	8.750	75	83163	19.036	ug/L		93
68) Ethyl Methacrylate	8.890	69	76470	17.786	ug/L		84
69) 1,1,2-Trichloroethane	8.939	97	49365	17.390	ug/L		94
72) Tetrachloroethene	9.067	164	49434	19.774	ug/L		93
73) 2-Hexanone	9.232	43	74692	14.889	ug/L		98
74) 1,3-Dichloropropane	9.104	76	89754	18.576	ug/L		98
75) Dibromochloromethane	9.329	129	64406	19.246	ug/L		96
76) N-Butyl Acetate	9.378	43	149029	14.972	ug/L		97
77) 1,2-Dibromoethane	9.427	107	53309	17.993	ug/L		96
78) 3-Chlorobenzotrifluoride	9.933	180	104162	19.050	ug/L		90
79) Chlorobenzene	9.914	112	164946	20.704	ug/L		95
80) 4-Chlorobenzotrifluoride	9.988	180	94233	19.328	ug/L		99
81) 1,1,1,2-Tetrachloroethane	10.000	131	61153	19.267	ug/L		96
82) Ethylbenzene	10.030	106	80007	19.635	ug/L		99
83) (m+p)Xylene	10.146	106	205014	39.915	ug/L		96
84) o-Xylene	10.500	106	101367	19.526	ug/L		88
85) Styrene	10.512	104	176934	20.309	ug/L		98
86) Bromoform	10.670	173	51455	21.181	ug/L		92
87) 2-Chlorobenzotrifluoride	10.743	180	100195	18.761	ug/L		97
88) Isopropylbenzene	10.835	105	262795	20.126	ug/L		97
89) Cyclohexanone	10.908	55	58811	59.362	ug/L		90
90) trans-1,4-Dichloro-2-B...	11.140	53	25619	14.105	ug/L		88
92) 1,1,2,2-Tetrachloroethane	11.097	83	69067	16.417	ug/L		96
93) Bromobenzene	11.079	156	79319	19.440	ug/L		97
94) 1,2,3-Trichloropropane	11.128	110	24734	17.088	ug/L		93
95) n-Propylbenzene	11.189	91	301805	20.113	ug/L		99
96) 2-Chlorotoluene	11.249	91	184754	19.284	ug/L		98
97) 3-Chlorotoluene	11.304	91	194593	19.529	ug/L		97
98) 4-Chlorotoluene	11.347	91	217626	19.815	ug/L		98
99) 1,3,5-Trimethylbenzene	11.341	105	221820	19.358	ug/L		98
100) tert-Butylbenzene	11.609	119	189331	19.072	ug/L		97
101) 1,2,4-Trimethylbenzene	11.652	105	226577	19.053	ug/L		95
102) 3,4-Dichlorobenzotrifl...	11.713	214	88351	19.146	ug/L		92
103) sec-Butylbenzene	11.792	105	265040	19.997	ug/L		98
104) p-Isopropyltoluene	11.914	119	242453	19.952	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\012924\
Data File : D4986.D
Acq On : 29 Jan 2024 11:23 am
Operator : F.NAEGLER
Sample : LCS-FP
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 29 11:39:48 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Fri Dec 08 14:34:38 2023
Response via : Initial Calibration

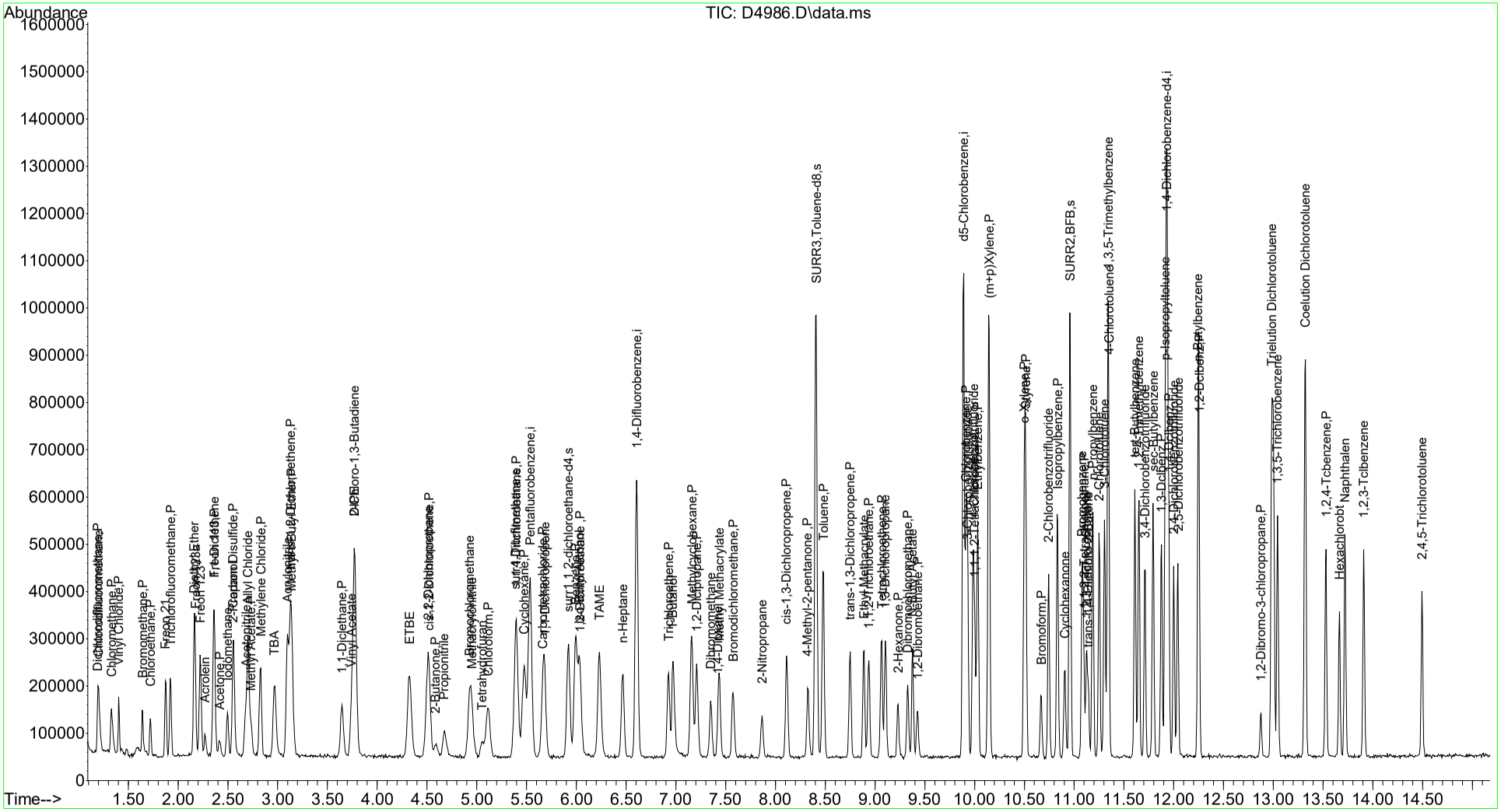
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
105) 1,3-Dclbenz	11.877	146	141487	19.423	ug/L	92
106) 1,4-Dclbenz	11.951	146	146460	19.231	ug/L	94
107) 2,4-Dichlorobenzotrifl...	11.999	214	78501	19.123	ug/L	99
108) 2,5-Dichlorobenzotrifl...	12.042	214	84837	17.842	ug/L	96
109) n-Butylbenzene	12.243	91	199137	19.938	ug/L	95
110) 1,2-Dclbenz	12.255	146	140567	19.221	ug/L	96
111) 1,2-Dibromo-3-chloropr...	12.877	157	18638	14.782	ug/L	93
112) Trielution Dichlorotol...	12.987	125	360223	57.679	ug/L	98
113) 1,3,5-Trichlorobenzene	13.042	180	117790	19.337	ug/L	97
114) Coelution Dichlorotoluene	13.322	125	264811	38.846	ug/L	99
115) 1,2,4-Tcbenzene	13.530	180	109951	19.451	ug/L	95
116) Hexachlorobt	13.664	225	49804	20.482	ug/L	95
117) Naphthalen	13.719	128	274051	18.203	ug/L	98
118) 1,2,3-Tclbenzene	13.908	180	109236	19.693	ug/L	96
119) 2,4,5-Trichlorotoluene	14.493	159	67689	19.004	ug/L	96

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\012924\
Data File : D4986.D
Acq On : 29 Jan 2024 11:23 am
Operator : F.NAEGLER
Sample : LCS-FP
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 29 11:39:48 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Fri Dec 08 14:34:38 2023
Response via : Initial Calibration



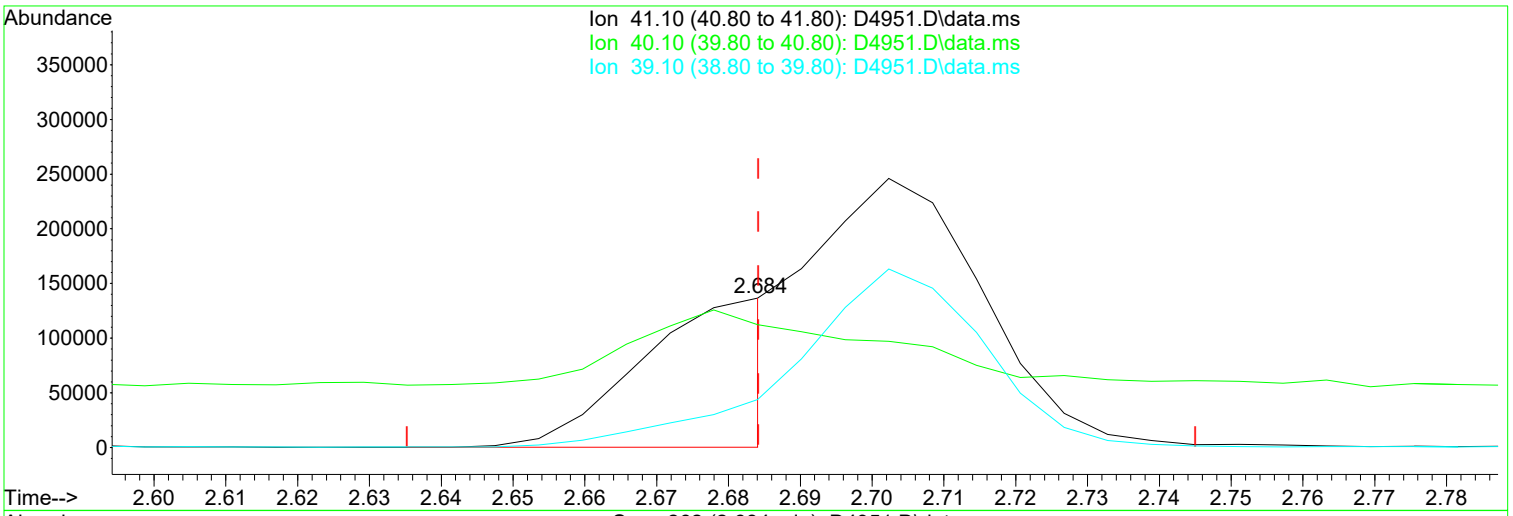
1st 01/29/24
2nd 01/30/24

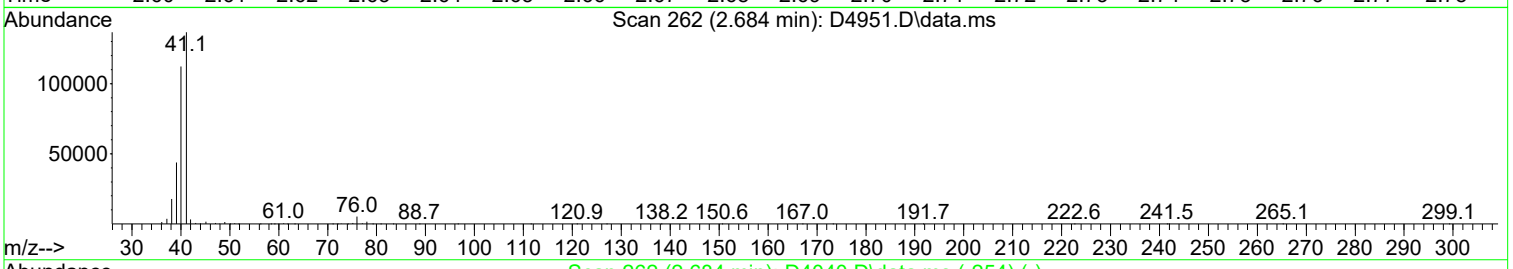
1st FN 01/26/24
2nd 01/29/24

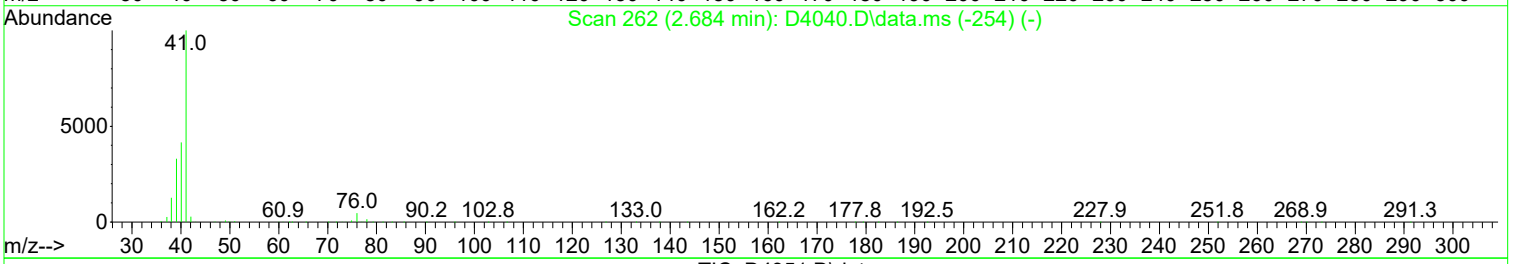
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\012624\
Data File : D4951.D
Acq On : 26 Jan 2024 11:14 am
Operator : F.NAEGLER
Sample : CCV
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 26 11:29:59 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Fri Dec 08 14:34:38 2023
Response via : Initial Calibration







TIC: D4951.D\data.ms

(20) Acetonitrile

2.684min (-0.000) 207.60 ug/L m

response 173623

Ion	Exp%	Act%
41.10	100.00	100.00
40.10	41.80	82.22#
39.10	33.10	32.07
0.00	0.00	0.00

Manual Integration:

After

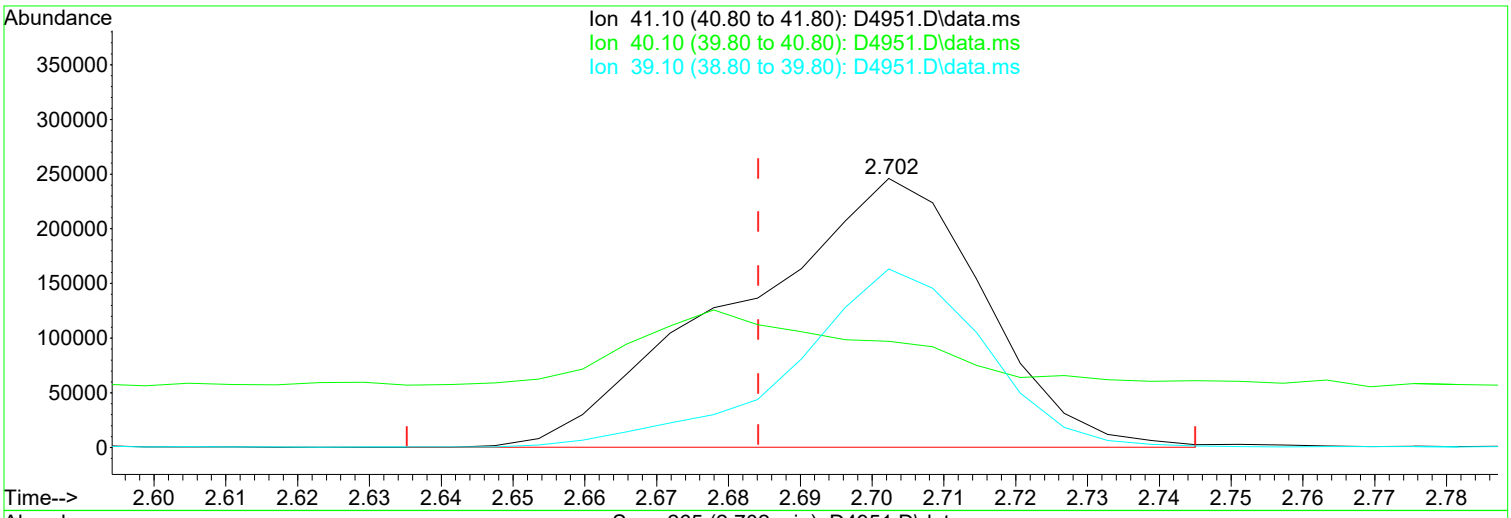
Poor integration.

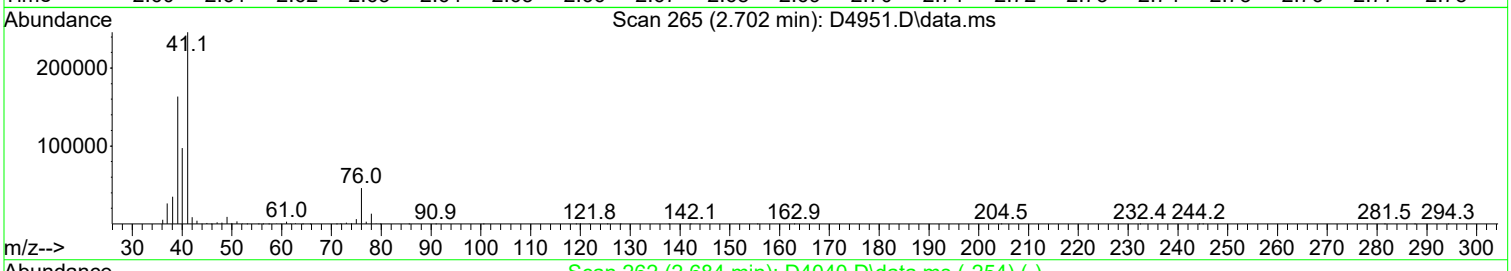
01/26/24

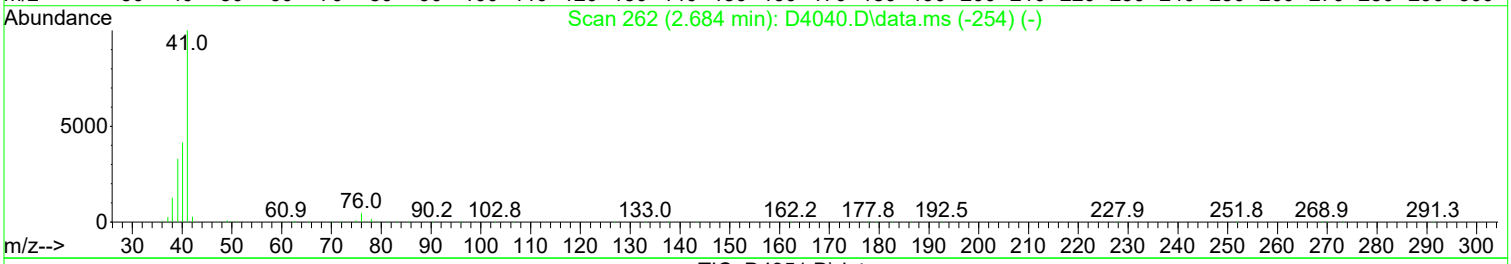
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\012624\
Data File : D4951.D
Acq On : 26 Jan 2024 11:14 am
Operator : F.NAEGLER
Sample : CCV
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 26 11:29:59 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Fri Dec 08 14:34:38 2023
Response via : Initial Calibration







TIC: D4951.D\data.ms

(20) Acetonitrile

2.702min (+ 0.018) 697.17 ug/L

response 583067

Ion	Exp%	Act%
41.10	100.00	100.00
40.10	41.80	39.54
39.10	33.10	66.43#
0.00	0.00	0.00

Manual Integration:

Before

01/26/24

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\msvoa10\data\012624\
Data File : D4951.D
Acq On : 26 Jan 2024 11:14 am
Operator : F.NAEGLER
Sample : CCV
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 26 11:29:59 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Fri Dec 08 14:34:38 2023
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	i	Pentafluorobenzene	50.000	50.000	0.0	93	0.00
2		Chlorodifluoromethane	50.000	71.558	-43.1#	148	0.00
3	P	Dichlorodifluoromethane	50.000	61.278	-22.6#	111	0.00
4	P	Chloromethane	50.000	49.458	1.1	98	0.00
5	P	Vinyl Chloride	50.000	56.437	-12.9	108	0.00
6	P	Bromomethane	50.000	70.274	-40.5#	134	0.00
7	P	Chloroethane	50.000	51.985	-4.0	107	0.00
8		Freon 21	50.000	60.189	-20.4#	125	0.00
9	P	Trichlorofluoromethane	50.000	57.939	-15.9	109	0.00
10		Diethyl Ether	50.000	47.946	4.1	86	0.00
11		Freon 123a	50.000	52.601	-5.2	116	0.00
12		Freon 123	50.000	52.197	-4.4	116	0.00
13		Acrolein	250.000	232.142	7.1	85	0.00
14		1,1-Diclethene	50.000	50.856	-1.7	100	0.00
15	P	Freon 113	50.000	50.591	-1.2	97	0.00
16	P	Acetone	50.000	36.709	26.6#	65	0.00
17		2-Propanol	1000.000	716.303	28.4#	61	0.00
18		Iodomethane	50.000	52.272	-4.5	104	0.00
19	P	Carbon Disulfide	50.000	52.122	-4.2	111	0.00
20		Acetonitrile	250.000	207.600	17.0	70	0.00
21		Allyl Chloride	50.000	50.558	-1.1	94	0.00
22	P	Methyl Acetate	50.000	43.511	13.0	80	0.00
23	P	Methylene Chloride	50.000	50.483	-1.0	95	0.00
24		TBA	1000.000	702.357	29.8#	61	0.00
25		Acrylonitrile	250.000	219.334	12.3	77	0.00
26	P	Methyl-t-Butyl Ether	50.000	48.865	2.3	87	0.00
27	P	trans-1,2-Dichloroethene	50.000	50.189	-0.4	98	0.00
28	P	1,1-Diclethane	50.000	50.927	-1.9	94	0.00
29		Vinyl Acetate	50.000	42.995	14.0	82	0.00
30		DIPE	50.000	44.486	11.0	80	0.00
31		2-Chloro-1,3-Butadiene	50.000	53.595	-7.2	111	0.00
32		ETBE	50.000	42.901	14.2	77	0.00
33		2,2-Dichloropropane	50.000	45.193	9.6	89	0.00
34	P	cis-1,2-Dichloroethene	50.000	47.225	5.5	92	0.00
35	P	2-Butanone	50.000	40.283	19.4	73	0.00
36		Propionitrile	250.000	206.940	17.2	74	0.00
37		Bromochloromethane	50.000	47.462	5.1	90	0.00
38		Methacrylonitrile	50.000	43.904	12.2	77	0.00
39		Tetrahydrofuran	50.000	38.994	22.0#	71	0.00
40	P	Chloroform	50.000	52.377	-4.8	98	0.00
41	P	1,1,1-Trichloroethane	50.000	50.753	-1.5	97	0.00
42	i	1,4-Difluorobenzene	50.000	50.000	0.0	93	0.00
43	P	Cyclohexane	50.000	55.933	-11.9	116	0.00
44	s	surr4,Dibrflmethane	50.000	48.275	3.5	92	0.00
45	P	Carbontetrachloride	50.000	50.172	-0.3	95	0.00
46		1,1-Dichloropropene	50.000	51.166	-2.3	101	0.00
47	s	surr1,1,2-dichloroethane-d4	50.000	53.217	-6.4	101	0.00
48	P	Benzene	50.000	49.298	1.4	95	0.00
49	P	1,2-Dichloroethane	50.000	51.116	-2.2	96	0.00
50		Iso-Butyl Alcohol	1000.000	681.661	31.8#	60	0.00
51		TAME	50.000	43.593	12.8	79	0.00

1st FNJ 01/26/24
2nd WR 01/29/24

Data Path : I:\ACQUDATA\msvoa10\data\012624\
Data File : D4951.D
Acq On : 26 Jan 2024 11:14 am
Operator : F.NAEGLER
Sample : CCV
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 26 11:29:59 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Fri Dec 08 14:34:38 2023
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
52		n-Heptane	50.000	53.019	-6.0	102	0.00
53		1-Butanol	2500.000	1747.074	30.1#	59	0.00
54	P	Trichloroethene	50.000	49.617	0.8	99	0.00
55	P	Methylcyclohexane	50.000	54.432	-8.9	113	0.00
56	P	1,2-Diclpropane	50.000	49.167	1.7	86	0.00
57		Dibromomethane	50.000	46.868	6.3	90	0.00
58		1,4-Dioxane	1000.000	846.485	15.4	74	0.00
59		Methyl Methacrylate	50.000	44.423	11.2	76	0.00
60	P	Bromodichloromethane	50.000	53.438	-6.9	97	0.00
61		2-Nitropropane	100.000	80.433	19.6	70	0.00
62		2-Chloroethylvinyl Ether	50.000	49.552	0.9	89	0.00
63	P	cis-1,3-Dichloropropene	50.000	50.550	-1.1	88	0.00
64	P	4-Methyl-2-pentanone	50.000	43.999	12.0	78	0.00
65	s	SURR3,Toluene-d8	50.000	50.937	-1.9	97	0.00
66	P	Toluene	50.000	50.729	-1.5	98	0.00
67	P	trans-1,3-Dichloropropene	50.000	47.987	4.0	85	0.00
68		Ethyl Methacrylate	50.000	46.756	6.5	81	0.00
69	P	1,1,2-Trichloroethane	50.000	46.530	6.9	85	0.00
70	s	SURR2,BFB	50.000	49.439	1.1	96	0.00
71	i	d5-Chlorobenzene	50.000	50.000	0.0	93	0.00
72	P	Tetrachloroethene	50.000	51.266	-2.5	98	0.00
73	P	2-Hexanone	50.000	42.836	14.3	76	0.00
74		1,3-Dichloropropane	50.000	48.254	3.5	92	0.00
75	P	Dibromochloromethane	50.000	46.633	6.7	83	0.00
76		N-Butyl Acetate	50.000	43.506	13.0	76	0.00
77	P	1,2-Dibromoethane	50.000	46.119	7.8	81	0.00
78		3-Chlorobenzotrifluoride	50.000	51.031	-2.1	95	0.00
79	P	Chlorobenzene	50.000	51.746	-3.5	97	0.00
80		4-Chlorobenzotrifluoride	50.000	52.421	-4.8	100	0.00
81		1,1,1,2-Tetrachloroethane	50.000	47.269	5.5	89	0.00
82	P	Ethylbenzene	50.000	52.952	-5.9	101	0.00
83	P	(m+p)Xylene	100.000	103.930	-3.9	98	0.00
84	P	o-Xylene	50.000	50.396	-0.8	96	0.00
85	P	Styrene	50.000	53.384	-6.8	98	0.00
86	P	Bromoform	50.000	45.566	8.9	82	0.00
87		2-Chlorobenzotrifluoride	50.000	51.139	-2.3	96	0.00
88	P	Isopropylbenzene	50.000	53.178	-6.4	101	0.00
89		Cyclohexanone	1000.000	501.999	49.8#	38	0.00
90		trans-1,4-Dichloro-2-Butene	50.000	41.587	16.8	74	0.00
91	i	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	95	0.00
92	P	1,1,2,2-Tetrachloroethane	50.000	40.546	18.9	81	0.00
93		Bromobenzene	50.000	47.101	5.8	92	0.00
94		1,2,3-Trichloropropane	50.000	40.275	19.5	81	0.00
95		n-Propylbenzene	50.000	52.635	-5.3	104	0.00
96		2-Chlorotoluene	50.000	49.319	1.4	99	0.00
97		3-Chlorotoluene	50.000	49.539	0.9	95	0.00
98		4-Chlorotoluene	50.000	50.844	-1.7	101	0.00
99		1,3,5-Trimethylbenzene	50.000	51.683	-3.4	101	0.00
100		tert-Butylbenzene	50.000	49.916	0.2	97	0.00
101		1,2,4-Trimethylbenzene	50.000	50.953	-1.9	100	0.00

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\msvoa10\data\012624\
Data File : D4951.D
Acq On : 26 Jan 2024 11:14 am
Operator : F.NAEGLER
Sample : CCV
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 26 11:29:59 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Fri Dec 08 14:34:38 2023
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
102		3,4-Dichlorobenzotrifluorid	50.000	51.205	-2.4	103	0.00
103		sec-Butylbenzene	50.000	52.765	-5.5	102	0.00
104		p-Isopropyltoluene	50.000	52.876	-5.8	101	0.00
105	P	1,3-Dclbenz	50.000	49.289	1.4	97	0.00
106	P	1,4-Dclbenz	50.000	47.838	4.3	96	0.00
107		2,4-Dichlorobenzotrifluorid	50.000	52.507	-5.0	104	0.00
108		2,5-Dichlorobenzotrifluorid	50.000	48.842	2.3	97	0.00
109		n-Butylbenzene	50.000	55.001	-10.0	105	0.00
110	P	1,2-Dclbenz	50.000	48.049	3.9	94	0.00
111	P	1,2-Dibromo-3-chloropropane	50.000	35.740	28.5#	66	0.00
112		Trielution Dichlorotoluene	150.000	152.061	-1.4	96	0.00
113		1,3,5-Trichlorobenzene	50.000	49.859	0.3	97	0.00
114		Coelution Dichlorotoluene	100.000	100.889	-0.9	94	0.00
115	P	1,2,4-Tcbenzene	50.000	50.234	-0.5	94	0.00
116		Hexachlorobt	50.000	51.501	-3.0	96	0.00
117		Naphthalen	50.000	46.610	6.8	86	0.00
118		1,2,3-Tclbenzene	50.000	48.985	2.0	91	0.00
119		2,4,5-Trichlorotoluene	50.000	49.945	0.1	90	0.00
120		2,3,6-Trichlorotoluene	50.000	0.000	100.0#	0	-14.58#

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\012624\
Data File : D4951.D
Acq On : 26 Jan 2024 11:14 am
Operator : F.NAEGLER
Sample : CCV
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 26 11:29:59 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Fri Dec 08 14:34:38 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.537	168	347054	50.00	ug/L		0.00
42) 1,4-Difluorobenzene	6.604	114	445466	50.00	ug/L		0.00
71) d5-Chlorobenzene	9.890	117	413443	50.00	ug/L		0.00
91) 1,4-Dichlorobenzene-d4	11.932	152	241873	50.00	ug/L		0.00
System Monitoring Compounds							
44) surr4,Dibrflmethane	5.397	113	139395	48.28	ug/L		0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 96.56%				
47) surr1,1,2-dichloroetha...	5.921	65	207038	53.22	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 106.44%				
65) SURR3,Toluene-d8	8.409	98	531059	50.94	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 101.88%				
70) SURR2,BFB	10.957	95	201598	49.44	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 98.88%				
Target Compounds							Qvalue
2) Chlorodifluoromethane	1.203	51	264405	71.558	ug/L		99
3) Dichlorodifluoromethane	1.197	85	233687	61.278	ug/L		97
4) Chloromethane	1.331	50	265482	49.458	ug/L		94
5) Vinyl Chloride	1.404	62	207358	56.437	ug/L		98
6) Bromomethane	1.642	94	101727	70.274	ug/L		95
7) Chloroethane	1.721	64	134132	51.985	ug/L		97
8) Freon 21	1.879	67	268268	60.189	ug/L		98
9) Trichlorofluoromethane	1.922	101	246360	57.939	ug/L		97
10) Diethyl Ether	2.166	59	154865	47.946	ug/L		92
11) Freon 123a	2.166	67	161274	52.601	ug/L		97
12) Freon 123	2.221	83	180546	52.197	ug/L		90
13) Acrolein	2.269	56	222764	232.142	ug/L		97
14) 1,1-Diclethene	2.361	96	121914	50.856	ug/L		97
15) Freon 113	2.361	101	130914	50.591	ug/L		89
16) Acetone	2.416	43	98174	36.709	ug/L		94
17) 2-Propanol	2.550	45	342523	716.303	ug/L		97
18) Iodomethane	2.495	142	229405	52.272	ug/L		93
19) Carbon Disulfide	2.556	76	377738	52.122	ug/L		98
20) Acetonitrile	2.684	41	173623m	207.600	ug/L		
21) Allyl Chloride	2.708	76	74973	50.558	ug/L	#	69
22) Methyl Acetate	2.733	43	293542	43.511	ug/L		99
23) Methylene Chloride	2.830	84	135381	50.483	ug/L		91
24) TBA	2.971	59	410634	702.357	ug/L		98
25) Acrylonitrile	3.099	53	460366	219.334	ug/L		98
26) Methyl-t-Butyl Ether	3.141	73	449833	48.865	ug/L		95
27) trans-1,2-Dichloroethene	3.129	96	130315	50.189	ug/L		94
28) 1,1-Diclethane	3.647	63	280925	50.927	ug/L		95
29) Vinyl Acetate	3.739	86	17379	42.995	ug/L	#	73
30) DIPE	3.775	45	735416	44.486	ug/L		94
31) 2-Chloro-1,3-Butadiene	3.769	53	345967	53.595	ug/L		100
32) ETBE	4.318	59	496108	42.901	ug/L		92
33) 2,2-Dichloropropane	4.513	77	192293	45.193	ug/L		98
34) cis-1,2-Dichloroethene	4.519	96	144243	47.225	ug/L		100
35) 2-Butanone	4.586	43	140822	40.283	ug/L		97
36) Propionitrile	4.671	54	179648	206.940	ug/L		97
37) Bromochloromethane	4.928	130	99032	47.462	ug/L		93
38) Methacrylonitrile	4.946	67	67954	43.904	ug/L	#	86
39) Tetrahydrofuran	5.049	42	86796	38.994	ug/L		94
40) Chloroform	5.117	83	253468	52.377	ug/L		95

Data Path : I:\ACQUDATA\msvoa10\data\012624\
Data File : D4951.D
Acq On : 26 Jan 2024 11:14 am
Operator : F.NAEGLER
Sample : CCV
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 26 11:29:59 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Fri Dec 08 14:34:38 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) 1,1,1-Trichloroethane	5.403	97	220439	50.753	ug/L	96
43) Cyclohexane	5.476	41	225301	55.933	ug/L	88
45) Carbontetrachloride	5.671	117	187094	50.172	ug/L	93
46) 1,1-Dichloropropene	5.683	75	183361	51.166	ug/L	93
48) Benzene	5.994	78	510341	49.298	ug/L	95
49) 1,2-Dichloroethane	6.037	62	267879	51.116	ug/L	92
50) Iso-Butyl Alcohol	6.025	43	227145	681.661	ug/L	97
51) TAME	6.232	73	380839	43.593	ug/L	92
52) n-Heptane	6.470	43	288200	53.019	ug/L	96
53) 1-Butanol	6.970	56	276731	1747.074	ug/L	99
54) Trichloroethene	6.927	130	148696	49.617	ug/L	96
55) Methylcyclohexane	7.159	55	237834	54.432	ug/L	98
56) 1,2-Diclpropane	7.214	63	152412	49.167	ug/L	100
57) Dibromomethane	7.348	93	92118	46.868	ug/L	89
58) 1,4-Dioxane	7.421	88	44723	846.485	ug/L	100
59) Methyl Methacrylate	7.433	69	103714	44.423	ug/L	90
60) Bromodichloromethane	7.573	83	200256	53.438	ug/L	96
61) 2-Nitropropane	7.866	41	116296	80.433	ug/L	94
62) 2-Chloroethylvinyl Ether	7.982	63	92803	49.552	ug/L	97
63) cis-1,3-Dichloropropene	8.116	75	221774	50.550	ug/L	94
64) 4-Methyl-2-pentanone	8.323	43	286273	43.999	ug/L	99
66) Toluene	8.482	91	585429	50.729	ug/L	99
67) trans-1,3-Dichloropropene	8.750	75	202230	47.987	ug/L	97
68) Ethyl Methacrylate	8.884	69	193919	46.756	ug/L	88
69) 1,1,2-Trichloroethane	8.939	97	127418	46.530	ug/L	99
72) Tetrachloroethene	9.067	164	125113	51.266	ug/L	93
73) 2-Hexanone	9.225	43	209782	42.836	ug/L	99
74) 1,3-Dichloropropane	9.104	76	227601	48.254	ug/L	95
75) Dibromochloromethane	9.329	129	152348	46.633	ug/L	93
76) N-Butyl Acetate	9.378	43	422747	43.506	ug/L	98
77) 1,2-Dibromoethane	9.427	107	133390	46.119	ug/L	97
78) 3-Chlorobenzotrifluoride	9.933	180	272397	51.031	ug/L	95
79) Chlorobenzene	9.914	112	402460	51.746	ug/L	99
80) 4-Chlorobenzotrifluoride	9.981	180	249503	52.421	ug/L	98
81) 1,1,1,2-Tetrachloroethane	10.000	131	146466	47.269	ug/L	97
82) Ethylbenzene	10.030	106	210629	52.952	ug/L	96
83) (m+p)Xylene	10.140	106	521124	103.930	ug/L	96
84) o-Xylene	10.500	106	255409	50.396	ug/L	88
85) Styrene	10.512	104	454040	53.384	ug/L	99
86) Bromoform	10.670	173	108062	45.566	ug/L	99
87) 2-Chlorobenzotrifluoride	10.743	180	266614	51.139	ug/L	99
88) Isopropylbenzene	10.835	105	677860	53.178	ug/L	98
89) Cyclohexanone	10.902	55	521845	501.999	ug/L	99
90) trans-1,4-Dichloro-2-B...	11.146	53	73737	41.587	ug/L	94
92) 1,1,2,2-Tetrachloroethane	11.097	83	170604	40.546	ug/L	94
93) Bromobenzene	11.079	156	192209	47.101	ug/L	98
94) 1,2,3-Trichloropropane	11.128	110	58305	40.275	ug/L	98
95) n-Propylbenzene	11.188	91	789966	52.635	ug/L	98
96) 2-Chlorotoluene	11.249	91	472595	49.319	ug/L	98
97) 3-Chlorotoluene	11.304	91	493700	49.539	ug/L	97
98) 4-Chlorotoluene	11.347	91	558519	50.844	ug/L	97
99) 1,3,5-Trimethylbenzene	11.341	105	592332	51.683	ug/L	99
100) tert-Butylbenzene	11.609	119	495611	49.916	ug/L	99
101) 1,2,4-Trimethylbenzene	11.652	105	606036	50.953	ug/L	98
102) 3,4-Dichlorobenzotrifl...	11.713	214	236330	51.205	ug/L	93
103) sec-Butylbenzene	11.792	105	699475	52.765	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\012624\
Data File : D4951.D
Acq On : 26 Jan 2024 11:14 am
Operator : F.NAEGLER
Sample : CCV
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 26 11:29:59 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Fri Dec 08 14:34:38 2023
Response via : Initial Calibration

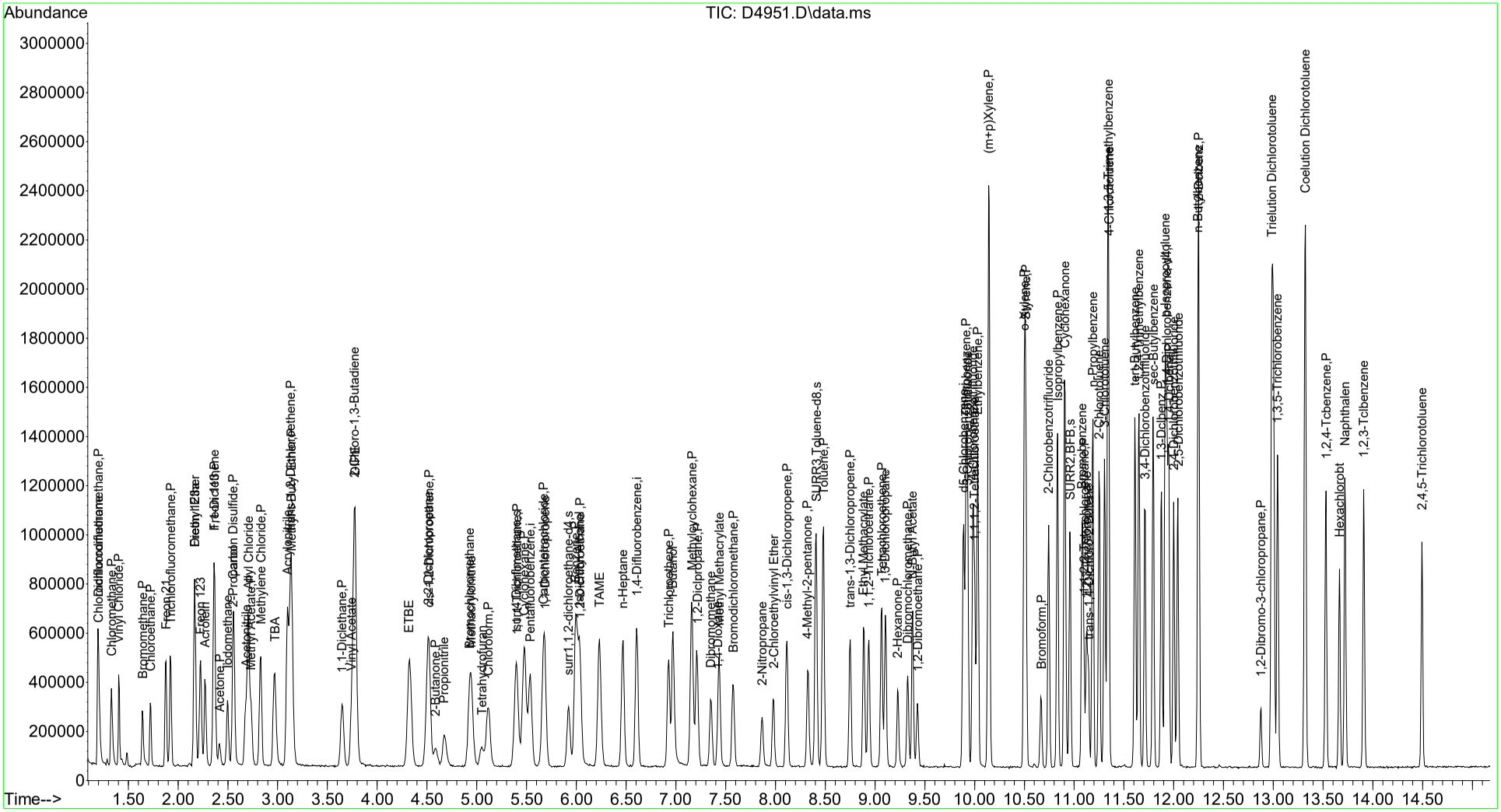
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) p-Isopropyltoluene	11.914	119	642644	52.876	ug/L	99
105) 1,3-Dclbenz	11.877	146	359108	49.289	ug/L	96
106) 1,4-Dclbenz	11.951	146	364391	47.838	ug/L	96
107) 2,4-Dichlorobenzotrifl...	11.999	214	215585	52.507	ug/L	98
108) 2,5-Dichlorobenzotrifl...	12.042	214	232275	48.842	ug/L	96
109) n-Butylbenzene	12.243	91	549431	55.001	ug/L	97
110) 1,2-Dclbenz	12.249	146	351450	48.049	ug/L	97
111) 1,2-Dibromo-3-chloropr...	12.877	157	45071	35.740	ug/L	83
112) Trielution Dichlorotol...	12.987	125	949828	152.061	ug/L	99
113) 1,3,5-Trichlorobenzene	13.042	180	303761	49.859	ug/L	98
114) Coelution Dichlorotoluene	13.322	125	687871	100.889	ug/L	97
115) 1,2,4-Tcbenzene	13.530	180	284010	50.234	ug/L	99
116) Hexachlorobt	13.664	225	125248	51.501	ug/L	96
117) Naphthalen	13.718	128	701832	46.610	ug/L	100
118) 1,2,3-Tclbenzene	13.907	180	271758	48.985	ug/L	100
119) 2,4,5-Trichlorotoluene	14.493	159	177924	49.945	ug/L	99

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\012624\
Data File : D4951.D
Acq On : 26 Jan 2024 11:14 am
Operator : F.NAEGLER
Sample : CCV
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 26 11:29:59 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Fri Dec 08 14:34:38 2023
Response via : Initial Calibration

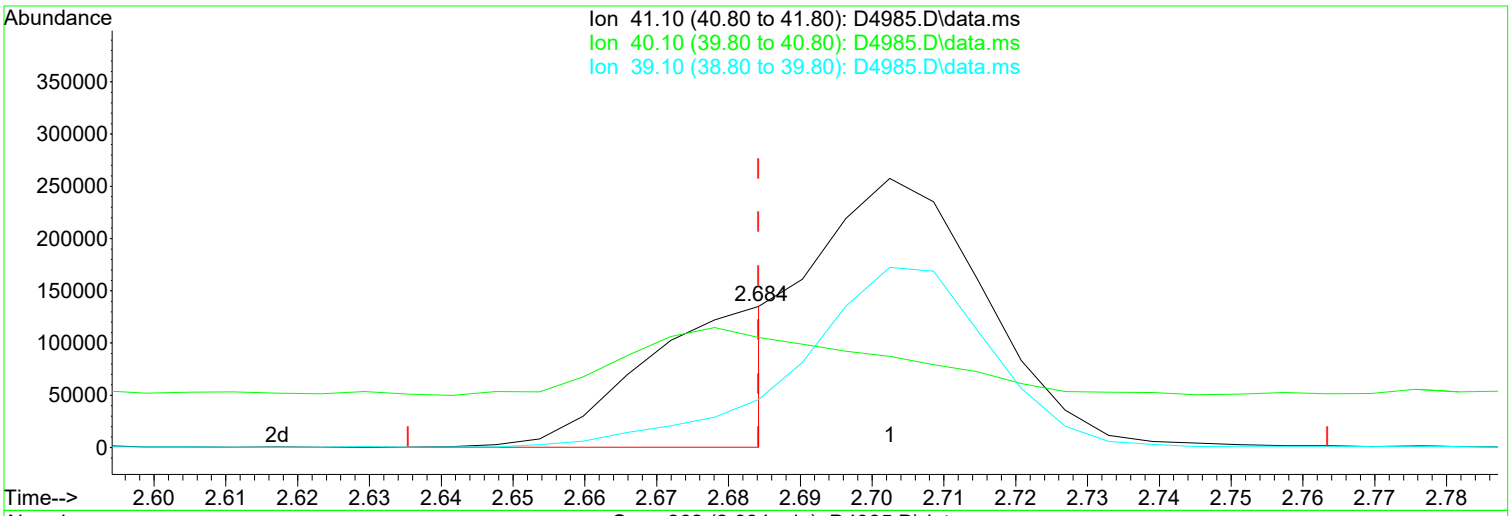


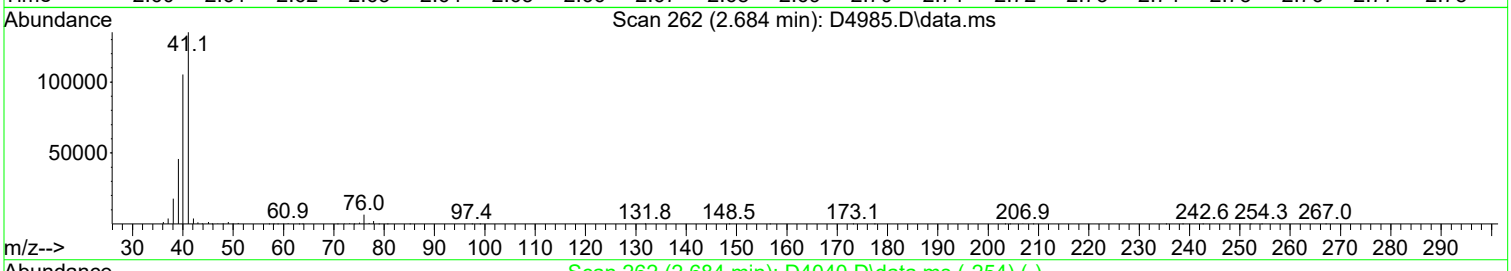
1st FJ 01/26/24
2nd 01/29/24

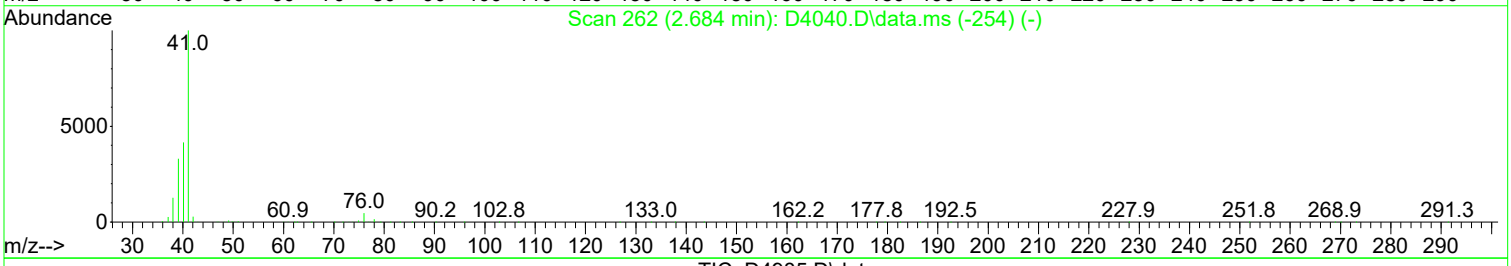
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\012924\
Data File : D4985.D
Acq On : 29 Jan 2024 10:51 am
Operator : F.NAEGLER
Sample : CCV
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 29 11:07:06 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Fri Dec 08 14:34:38 2023
Response via : Initial Calibration







TIC: D4985.D\data.ms

(20) Acetonitrile

2.684min (0.000) 199.98 ug/L m

response 171453

Ion	Exp%	Act%
41.10	100.00	100.00
40.10	41.80	78.02#
39.10	33.10	33.93
0.00	0.00	0.00

Manual Integration:

After

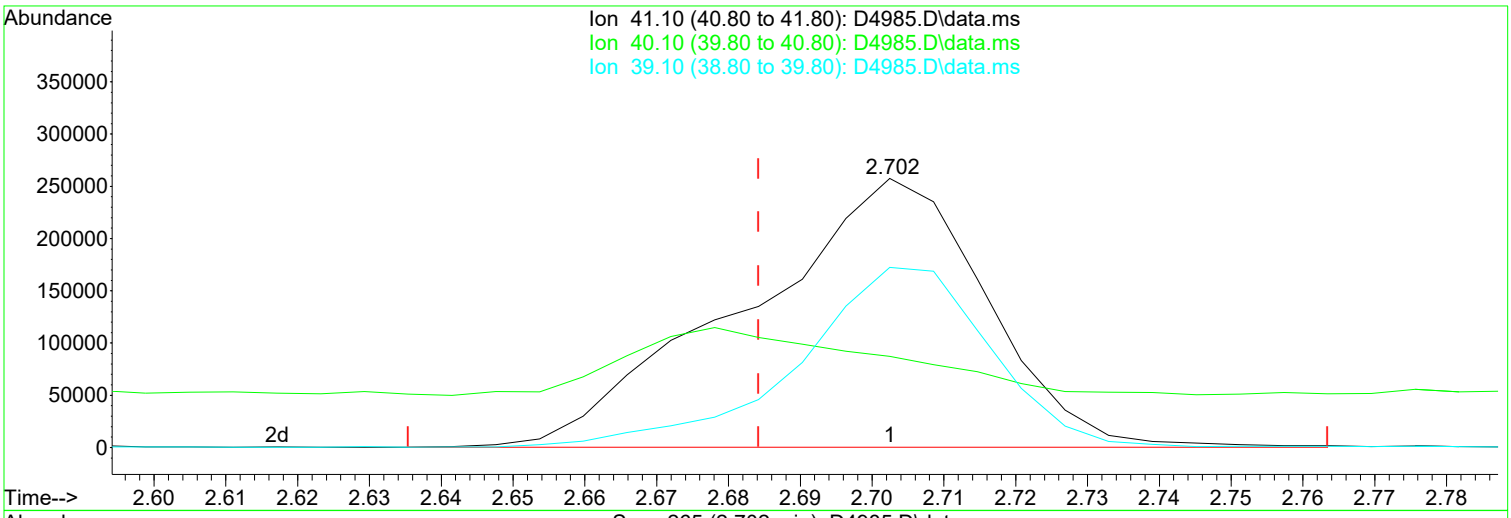
Poor integration.

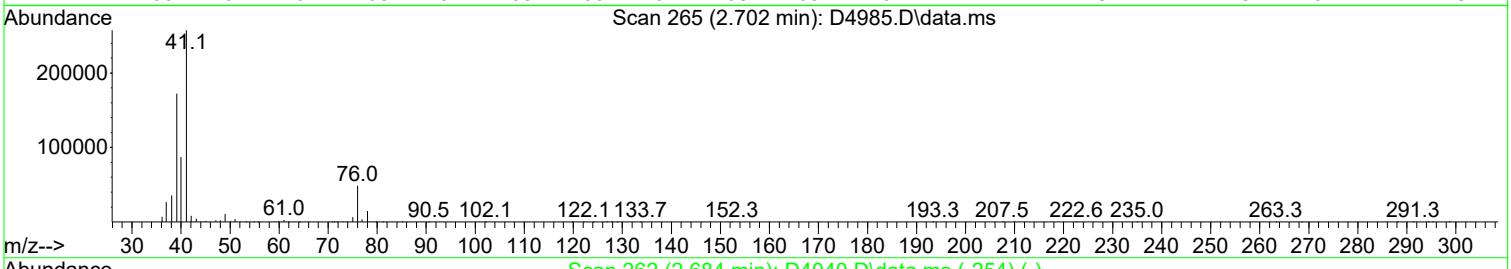
01/29/24

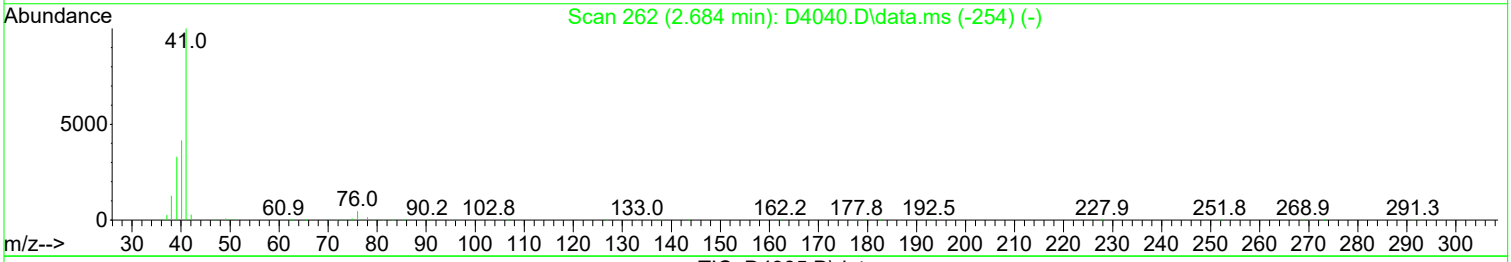
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\012924\
Data File : D4985.D
Acq On : 29 Jan 2024 10:51 am
Operator : F.NAEGLER
Sample : CCV
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 29 11:07:06 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Fri Dec 08 14:34:38 2023
Response via : Initial Calibration







TIC: D4985.D\data.ms

(20) Acetonitrile

2.702min (+ 0.018) 702.35 ug/L

response 602171

Ion	Exp%	Act%
41.10	100.00	100.00
40.10	41.80	33.92
39.10	33.10	67.01#
0.00	0.00	0.00

Manual Integration:

Before

01/29/24

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\msvoa10\data\012924\
Data File : D4985.D
Acq On : 29 Jan 2024 10:51 am
Operator : F.NAEGLER
Sample : CCV
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 29 11:07:06 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Fri Dec 08 14:34:38 2023
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	i	Pentafluorobenzene	50.000	50.000	0.0	95	0.00
2		Chlorodifluoromethane	50.000	71.458	-42.9#	152	0.00
3	P	Dichlorodifluoromethane	50.000	61.669	-23.3#	115	0.00
4	P	Chloromethane	50.000	49.726	0.5	101	0.00
5	P	Vinyl Chloride	50.000	56.269	-12.5	111	0.00
6	P	Bromomethane	50.000	72.883	-45.8#	143	0.00
7	P	Chloroethane	50.000	54.097	-8.2	114	0.00
8		Freon 21	50.000	60.649	-21.3#	129	0.00
9	P	Trichlorofluoromethane	50.000	58.757	-17.5	113	0.00
10		Diethyl Ether	50.000	47.242	5.5	87	0.00
11		Freon 123a	50.000	52.550	-5.1	119	0.00
12		Freon 123	50.000	52.228	-4.5	119	0.00
13		Acrolein	250.000	224.992	10.0	84	0.00
14		1,1-Diclethene	50.000	51.260	-2.5	103	0.00
15	P	Freon 113	50.000	52.325	-4.7	102	0.00
16	P	Acetone	50.000	40.659	18.7	74	0.00
17		2-Propanol	1000.000	706.805	29.3#	61	0.00
18		Iodomethane	50.000	55.570	-11.1	114	0.00
19	P	Carbon Disulfide	50.000	56.053	-12.1	122	0.00
20		Acetonitrile	250.000	199.977	20.0#	70	0.00
21		Allyl Chloride	50.000	51.282	-2.6	97	0.00
22	P	Methyl Acetate	50.000	40.857	18.3	77	0.00
23	P	Methylene Chloride	50.000	50.249	-0.5	97	0.00
24		TBA	1000.000	717.700	28.2#	63	0.00
25		Acrylonitrile	250.000	215.899	13.6	77	0.00
26	P	Methyl-t-Butyl Ether	50.000	47.627	4.7	87	0.00
27	P	trans-1,2-Dichloroethene	50.000	49.835	0.3	100	0.00
28	P	1,1-Diclethane	50.000	50.193	-0.4	95	0.00
29		Vinyl Acetate	50.000	44.918	10.2	88	0.00
30		DIPE	50.000	44.287	11.4	82	0.00
31		2-Chloro-1,3-Butadiene	50.000	55.652	-11.3	119	0.00
32		ETBE	50.000	44.296	11.4	81	0.00
33		2,2-Dichloropropane	50.000	48.499	3.0	98	0.00
34	P	cis-1,2-Dichloroethene	50.000	47.804	4.4	95	0.00
35	P	2-Butanone	50.000	42.643	14.7	79	0.00
36		Propionitrile	250.000	203.761	18.5	75	0.00
37		Bromochloromethane	50.000	46.307	7.4	90	0.00
38		Methacrylonitrile	50.000	42.117	15.8	76	0.00
39		Tetrahydrofuran	50.000	37.740	24.5#	71	0.00
40	P	Chloroform	50.000	51.325	-2.7	98	0.00
41	P	1,1,1-Trichloroethane	50.000	52.057	-4.1	102	0.00
42	i	1,4-Difluorobenzene	50.000	50.000	0.0	96	0.00
43	P	Cyclohexane	50.000	56.890	-13.8	121	0.01
44	s	surr4,Dibrflmethane	50.000	46.468	7.1	91	0.00
45	P	Carbontetrachloride	50.000	54.279	-8.6	105	0.00
46		1,1-Dichloropropene	50.000	52.024	-4.0	106	0.00
47	s	surr1,1,2-dichloroethane-d4	50.000	50.723	-1.4	99	0.00
48	P	Benzene	50.000	48.875	2.3	97	0.00
49	P	1,2-Dichloroethane	50.000	48.933	2.1	94	0.00
50		Iso-Butyl Alcohol	1000.000	697.521	30.2#	63	0.00
51		TAME	50.000	43.484	13.0	81	0.00

1st FNJ 01/29/24
2nd WR 01/30/24

Data Path : I:\ACQUDATA\msvoa10\data\012924\
Data File : D4985.D
Acq On : 29 Jan 2024 10:51 am
Operator : F.NAEGLER
Sample : CCV
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 29 11:07:06 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Fri Dec 08 14:34:38 2023
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
52		n-Heptane	50.000	53.333	-6.7	106	0.00
53		1-Butanol	2500.000	1818.351	27.3#	63	0.00
54	P	Trichloroethene	50.000	48.495	3.0	100	0.00
55	P	Methylcyclohexane	50.000	53.646	-7.3	114	0.00
56	P	1,2-Diclpropane	50.000	49.163	1.7	88	0.00
57		Dibromomethane	50.000	45.130	9.7	89	0.00
58		1,4-Dioxane	1000.000	822.389	17.8	74	0.00
59		Methyl Methacrylate	50.000	43.226	13.5	76	0.00
60	P	Bromodichloromethane	50.000	52.843	-5.7	99	0.00
61		2-Nitropropane	100.000	88.418	11.6	79	0.00
62		2-Chloroethylvinyl Ether	50.000	49.431	1.1	91	0.00
63	P	cis-1,3-Dichloropropene	50.000	49.353	1.3	88	0.00
64	P	4-Methyl-2-pentanone	50.000	44.232	11.5	80	0.00
65	s	SURR3,Toluene-d8	50.000	47.887	4.2	93	0.00
66	P	Toluene	50.000	49.910	0.2	99	0.00
67	P	trans-1,3-Dichloropropene	50.000	49.521	1.0	90	0.00
68		Ethyl Methacrylate	50.000	45.591	8.8	82	0.00
69	P	1,1,2-Trichloroethane	50.000	44.612	10.8	84	0.00
70	s	SURR2,BFB	50.000	46.776	6.4	93	0.00
71	i	d5-Chlorobenzene	50.000	50.000	0.0	95	0.00
72	P	Tetrachloroethene	50.000	53.117	-6.2	103	0.00
73	P	2-Hexanone	50.000	43.002	14.0	78	0.00
74		1,3-Dichloropropane	50.000	46.090	7.8	89	0.00
75	P	Dibromochloromethane	50.000	48.076	3.8	87	0.00
76		N-Butyl Acetate	50.000	41.211	17.6	73	0.00
77	P	1,2-Dibromoethane	50.000	45.036	9.9	80	0.00
78		3-Chlorobenzotrifluoride	50.000	52.230	-4.5	99	0.00
79	P	Chlorobenzene	50.000	51.408	-2.8	98	0.00
80		4-Chlorobenzotrifluoride	50.000	53.126	-6.3	103	0.00
81		1,1,1,2-Tetrachloroethane	50.000	49.759	0.5	96	0.00
82	P	Ethylbenzene	50.000	52.068	-4.1	101	0.00
83	P	(m+p)Xylene	100.000	102.908	-2.9	98	0.00
84	P	o-Xylene	50.000	49.574	0.9	96	0.00
85	P	Styrene	50.000	53.037	-6.1	99	0.00
86	P	Bromoform	50.000	49.028	1.9	89	0.00
87		2-Chlorobenzotrifluoride	50.000	51.367	-2.7	98	0.00
88	P	Isopropylbenzene	50.000	53.862	-7.7	104	0.00
89		Cyclohexanone	1000.000	776.799	22.3#	61	0.00
90		trans-1,4-Dichloro-2-Butene	50.000	42.309	15.4	77	0.00
91	i	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	96	0.00
92	P	1,1,2,2-Tetrachloroethane	50.000	39.886	20.2#	81	0.00
93		Bromobenzene	50.000	47.086	5.8	93	0.00
94		1,2,3-Trichloropropane	50.000	38.199	23.6#	78	0.00
95		n-Propylbenzene	50.000	52.821	-5.6	107	0.00
96		2-Chlorotoluene	50.000	49.483	1.0	101	0.00
97		3-Chlorotoluene	50.000	49.723	0.6	97	0.00
98		4-Chlorotoluene	50.000	50.770	-1.5	103	0.00
99		1,3,5-Trimethylbenzene	50.000	50.682	-1.4	101	0.00
100		tert-Butylbenzene	50.000	49.318	1.4	98	0.00
101		1,2,4-Trimethylbenzene	50.000	49.329	1.3	98	0.00

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\msvoa10\data\012924\
Data File : D4985.D
Acq On : 29 Jan 2024 10:51 am
Operator : F.NAEGLER
Sample : CCV
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 29 11:07:06 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Fri Dec 08 14:34:38 2023
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
102		3,4-Dichlorobenzotrifluorid	50.000	49.940	0.1	102	0.00
103		sec-Butylbenzene	50.000	52.612	-5.2	103	0.00
104		p-Isopropyltoluene	50.000	53.294	-6.6	104	0.00
105	P	1,3-Dclbenz	50.000	48.404	3.2	97	0.00
106	P	1,4-Dclbenz	50.000	47.036	5.9	96	0.00
107		2,4-Dichlorobenzotrifluorid	50.000	50.875	-1.8	102	0.00
108		2,5-Dichlorobenzotrifluorid	50.000	48.000	4.0	97	0.00
109		n-Butylbenzene	50.000	53.708	-7.4	104	0.00
110	P	1,2-Dclbenz	50.000	47.157	5.7	93	0.00
111	P	1,2-Dibromo-3-chloropropane	50.000	37.836	24.3#	71	0.00
112		Trielution Dichlorotoluene	150.000	146.393	2.4	94	0.00
113		1,3,5-Trichlorobenzene	50.000	48.261	3.5	96	0.00
114		Coelution Dichlorotoluene	100.000	98.733	1.3	94	0.00
115	P	1,2,4-Tcbenzene	50.000	49.617	0.8	95	0.00
116		Hexachlorobt	50.000	51.360	-2.7	97	0.00
117		Naphthalen	50.000	44.741	10.5	84	0.00
118		1,2,3-Tclbenzene	50.000	48.251	3.5	91	0.00
119		2,4,5-Trichlorotoluene	50.000	48.625	2.8	89	0.00
120		2,3,6-Trichlorotoluene	50.000	48.553	2.9	88	-0.09

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\012924\
Data File : D4985.D
Acq On : 29 Jan 2024 10:51 am
Operator : F.NAEGLER
Sample : CCV
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 29 11:07:06 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Fri Dec 08 14:34:38 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.537	168	355781	50.00	ug/L		0.00
42) 1,4-Difluorobenzene	6.604	114	457585	50.00	ug/L		0.00
71) d5-Chlorobenzene	9.890	117	420030	50.00	ug/L		0.00
91) 1,4-Dichlorobenzene-d4	11.932	152	246127	50.00	ug/L		0.00
System Monitoring Compounds							
44) surr4,Dibrflmethane	5.391	113	137828	46.47	ug/L		0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 92.94%				
47) surr1,1,2-dichloroetha...	5.921	65	202702	50.72	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 101.44%				
65) SURR3,Toluene-d8	8.409	98	512838	47.89	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 95.78%				
70) SURR2,BFB	10.957	95	195930	46.78	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 93.56%				
Target Compounds							Qvalue
2) Chlorodifluoromethane	1.203	51	270673	71.458	ug/L		91
3) Dichlorodifluoromethane	1.197	85	241093	61.669	ug/L		98
4) Chloromethane	1.331	50	273632	49.726	ug/L		97
5) Vinyl Chloride	1.404	62	211940	56.269	ug/L		96
6) Bromomethane	1.642	94	108250	72.883	ug/L		96
7) Chloroethane	1.721	64	143091	54.097	ug/L		95
8) Freon 21	1.879	67	277117	60.649	ug/L		98
9) Trichlorofluoromethane	1.922	101	256122	58.757	ug/L		96
10) Diethyl Ether	2.166	59	156431	47.242	ug/L		96
11) Freon 123a	2.172	67	165170	52.550	ug/L		92
12) Freon 123	2.227	83	185197	52.228	ug/L		95
13) Acrolein	2.270	56	221332	224.992	ug/L		95
14) 1,1-Diclethene	2.361	96	125971	51.260	ug/L		98
15) Freon 113	2.367	101	138806	52.325	ug/L		87
16) Acetone	2.416	43	111473	40.659	ug/L		97
17) 2-Propanol	2.550	45	346480	706.805	ug/L		98
18) Iodomethane	2.495	142	250937	55.570	ug/L		96
19) Carbon Disulfide	2.562	76	416439	56.053	ug/L		99
20) Acetonitrile	2.684	41	171453m	199.977	ug/L		
21) Allyl Chloride	2.702	76	77960	51.282	ug/L	#	84
22) Methyl Acetate	2.733	43	282572	40.857	ug/L		98
23) Methylene Chloride	2.830	84	138142	50.249	ug/L	#	86
24) TBA	2.965	59	430156	717.700	ug/L		97
25) Acrylonitrile	3.099	53	464551	215.899	ug/L		100
26) Methyl-t-Butyl Ether	3.141	73	449465	47.627	ug/L		96
27) trans-1,2-Dichloroethene	3.129	96	132650	49.835	ug/L		96
28) 1,1-Diclethane	3.647	63	283840	50.193	ug/L		97
29) Vinyl Acetate	3.745	86	18617	44.918	ug/L	#	80
30) DIPE	3.775	45	750535	44.287	ug/L		95
31) 2-Chloro-1,3-Butadiene	3.769	53	368281	55.652	ug/L		98
32) ETBE	4.324	59	525111	44.296	ug/L		95
33) 2,2-Dichloropropane	4.513	77	211546	48.499	ug/L		97
34) cis-1,2-Dichloroethene	4.525	96	149684	47.804	ug/L		96
35) 2-Butanone	4.580	43	152820	42.643	ug/L		93
36) Propionitrile	4.672	54	181337	203.761	ug/L		95
37) Bromochloromethane	4.934	130	99051	46.307	ug/L	#	89
38) Methacrylonitrile	4.946	67	66827	42.117	ug/L	#	86
39) Tetrahydrofuran	5.050	42	86119	37.740	ug/L		91
40) Chloroform	5.111	83	254619	51.325	ug/L		98

1st FNJ 01/29/24
2nd [illegible] 01/30/24

Data Path : I:\ACQUDATA\msvoa10\data\012924\
Data File : D4985.D
Acq On : 29 Jan 2024 10:51 am
Operator : F.NAEGLER
Sample : CCV
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 29 11:07:06 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Fri Dec 08 14:34:38 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) 1,1,1-Trichloroethane	5.397	97	231790	52.057	ug/L		95
43) Cyclohexane	5.482	41	235388	56.890	ug/L		94
45) Carbontetrachloride	5.665	117	207914	54.279	ug/L		93
46) 1,1-Dichloropropene	5.684	75	191507	52.024	ug/L		99
48) Benzene	5.995	78	519727	48.875	ug/L		93
49) 1,2-Dichloroethane	6.037	62	263419	48.933	ug/L		93
50) Iso-Butyl Alcohol	6.025	43	238753	697.521	ug/L		94
51) TAME	6.232	73	390219	43.484	ug/L		92
52) n-Heptane	6.464	43	297792	53.333	ug/L		94
53) 1-Butanol	6.970	56	296481	1818.351	ug/L		97
54) Trichloroethene	6.927	130	149287	48.495	ug/L		94
55) Methylcyclohexane	7.159	55	240780	53.646	ug/L		94
56) 1,2-Diclpropane	7.208	63	156545	49.163	ug/L		95
57) Dibromomethane	7.348	93	91115	45.130	ug/L		86
58) 1,4-Dioxane	7.421	88	44632	822.389	ug/L		93
59) Methyl Methacrylate	7.433	69	103663	43.226	ug/L		93
60) Bromodichloromethane	7.573	83	203411	52.843	ug/L		97
61) 2-Nitropropane	7.866	41	131320	88.418	ug/L		95
62) 2-Chloroethylvinyl Ether	7.982	63	95095	49.431	ug/L		96
63) cis-1,3-Dichloropropene	8.116	75	222416	49.353	ug/L		98
64) 4-Methyl-2-pentanone	8.323	43	295616	44.232	ug/L		98
66) Toluene	8.482	91	591651	49.910	ug/L		97
67) trans-1,3-Dichloropropene	8.750	75	214374	49.521	ug/L		98
68) Ethyl Methacrylate	8.884	69	194230	45.591	ug/L		90
69) 1,1,2-Trichloroethane	8.939	97	125487	44.612	ug/L		98
72) Tetrachloroethene	9.067	164	131696	53.117	ug/L		99
73) 2-Hexanone	9.226	43	213948	43.002	ug/L		97
74) 1,3-Dichloropropane	9.104	76	220858	46.090	ug/L		99
75) Dibromochloromethane	9.329	129	159565	48.076	ug/L		97
76) N-Butyl Acetate	9.378	43	406822	41.211	ug/L		98
77) 1,2-Dibromoethane	9.427	107	132331	45.036	ug/L		94
78) 3-Chlorobenzotrifluoride	9.933	180	283238	52.230	ug/L		93
79) Chlorobenzene	9.914	112	406196	51.408	ug/L		95
80) 4-Chlorobenzotrifluoride	9.982	180	256887	53.126	ug/L		95
81) 1,1,1,2-Tetrachloroethane	10.000	131	156638	49.759	ug/L		95
82) Ethylbenzene	10.030	106	210413	52.068	ug/L		95
83) (m+p)Xylene	10.146	106	524221	102.908	ug/L		98
84) o-Xylene	10.500	106	255248	49.574	ug/L	#	82
85) Styrene	10.512	104	458277	53.037	ug/L		99
86) Bromoform	10.670	173	118126	49.028	ug/L		97
87) 2-Chlorobenzotrifluoride	10.744	180	272072	51.367	ug/L		98
88) Isopropylbenzene	10.835	105	697518	53.862	ug/L		99
89) Cyclohexanone	10.908	55	834037	776.799	ug/L		99
90) trans-1,4-Dichloro-2-B...	11.146	53	76213	42.309	ug/L		97
92) 1,1,2,2-Tetrachloroethane	11.097	83	170781	39.886	ug/L		98
93) Bromobenzene	11.079	156	195528	47.086	ug/L		99
94) 1,2,3-Trichloropropane	11.128	110	56271	38.199	ug/L	#	87
95) n-Propylbenzene	11.189	91	806693	52.821	ug/L		96
96) 2-Chlorotoluene	11.250	91	482503	49.483	ug/L		99
97) 3-Chlorotoluene	11.304	91	504252	49.723	ug/L		97
98) 4-Chlorotoluene	11.347	91	567509	50.770	ug/L		97
99) 1,3,5-Trimethylbenzene	11.341	105	591079	50.682	ug/L		99
100) tert-Butylbenzene	11.609	119	498281	49.318	ug/L		93
101) 1,2,4-Trimethylbenzene	11.652	105	597041	49.329	ug/L		100
102) 3,4-Dichlorobenzotrifl...	11.713	214	234544	49.940	ug/L		94
103) sec-Butylbenzene	11.792	105	709704	52.612	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\012924\
Data File : D4985.D
Acq On : 29 Jan 2024 10:51 am
Operator : F.NAEGLER
Sample : CCV
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 29 11:07:06 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Fri Dec 08 14:34:38 2023
Response via : Initial Calibration

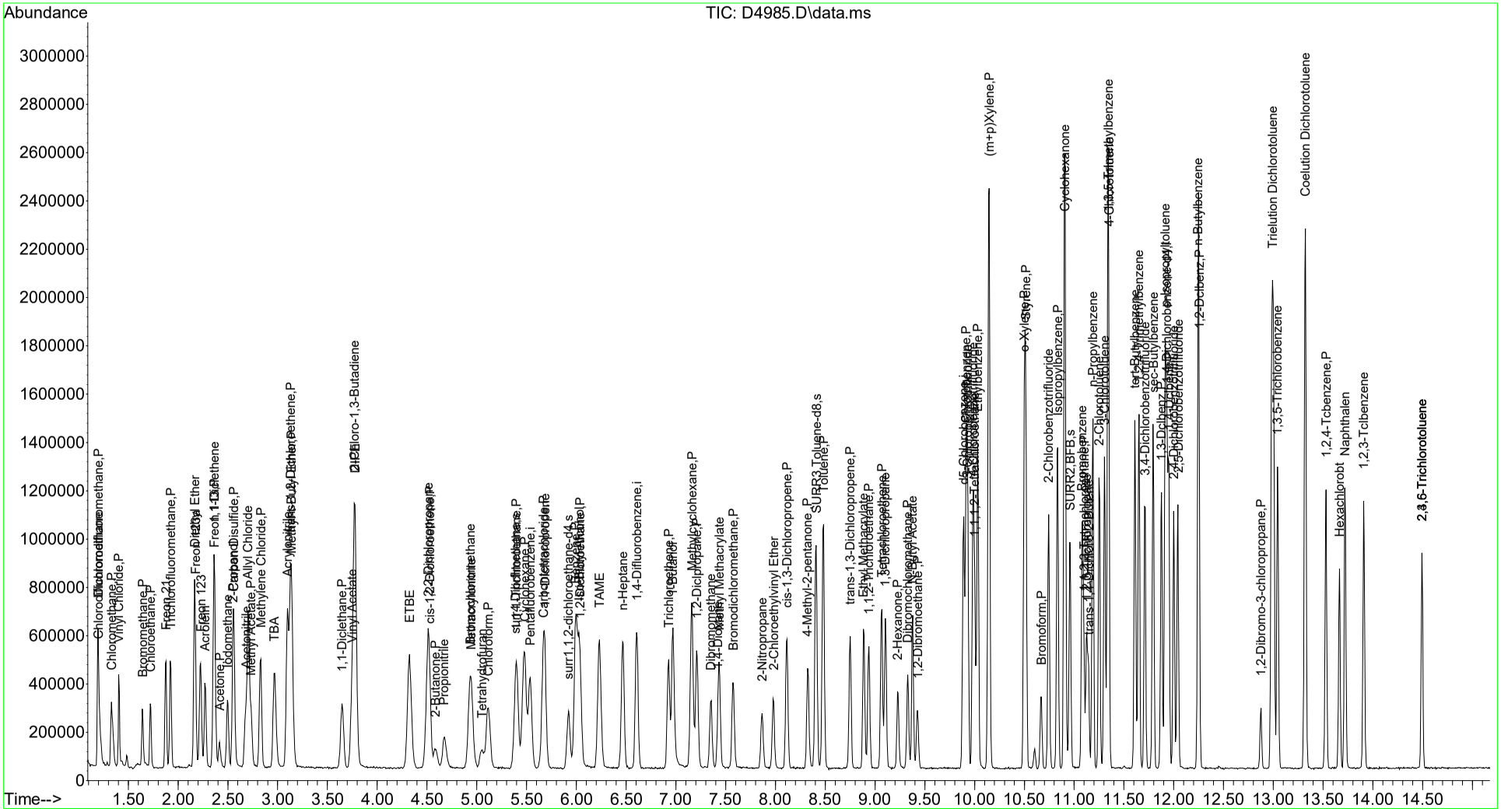
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) p-Isopropyltoluene	11.914	119	659119	53.294	ug/L	99
105) 1,3-Dclbenz	11.878	146	358862	48.404	ug/L	92
106) 1,4-Dclbenz	11.951	146	364578	47.036	ug/L	97
107) 2,4-Dichlorobenzotrifl...	11.999	214	212557	50.875	ug/L	99
108) 2,5-Dichlorobenzotrifl...	12.042	214	232289	48.000	ug/L	96
109) n-Butylbenzene	12.243	91	545951	53.708	ug/L	99
110) 1,2-Dclbenz	12.255	146	350987	47.157	ug/L	97
111) 1,2-Dibromo-3-chloropr...	12.877	157	48554	37.836	ug/L	89
112) Trielution Dichlorotol...	12.993	125	930505	146.393	ug/L	92
113) 1,3,5-Trichlorobenzene	13.042	180	299198	48.261	ug/L	99
114) Coelution Dichlorotoluene	13.322	125	685012	98.733	ug/L	99
115) 1,2,4-Tcbenzene	13.530	180	285457	49.617	ug/L	93
116) Hexachlorobt	13.664	225	127104	51.360	ug/L	95
117) Naphthalen	13.719	128	685549	44.741	ug/L	99
118) 1,2,3-Tclbenzene	13.908	180	272395	48.251	ug/L	99
119) 2,4,5-Trichlorotoluene	14.493	159	176269	48.625	ug/L	99
120) 2,3,6-Trichlorotoluene	14.493	159	176269	48.553	ug/L	98

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\012924\
Data File : D4985.D
Acq On : 29 Jan 2024 10:51 am
Operator : F.NAEGLER
Sample : CCV
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 29 11:07:06 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Fri Dec 08 14:34:38 2023
Response via : Initial Calibration



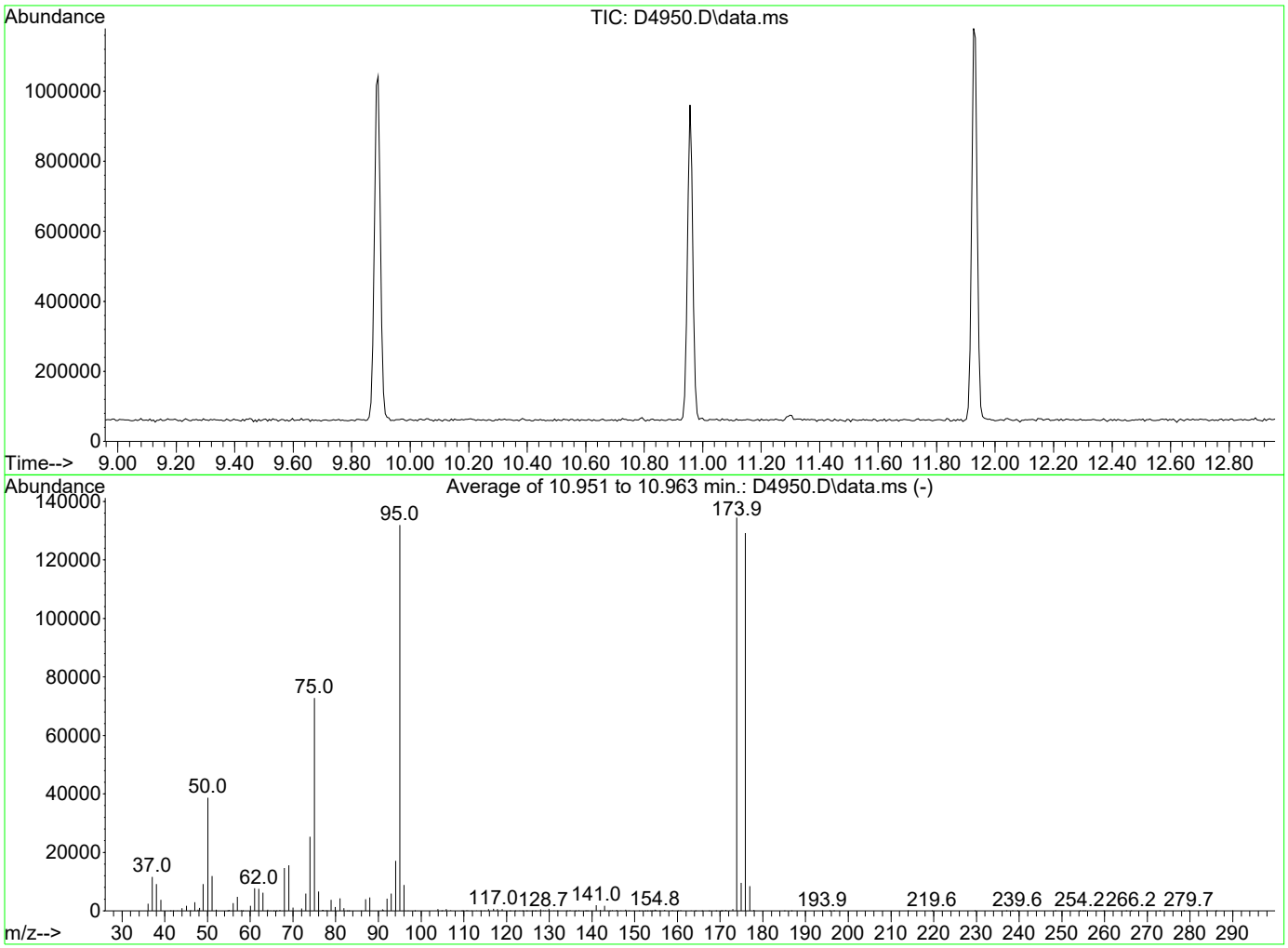
1st FJ 01/29/24
2nd 01/30/24

1st FJ 01/26/24
2nd 01/29/24

Data Path : I:\ACQUDATA\msvoa10\data\012624\
Data File : D4950.D
Acq On : 26 Jan 2024 10:42 am
Operator : F.NAEGLER
Sample : TUNE
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: RTEINT.P

Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Title : MS#10 - 8260B WATERS 5.0mL Purge
Last Update : Fri Dec 08 14:34:38 2023



AutoFind: Scans 1618, 1619, 1620; Background Corrected with Scan 1611

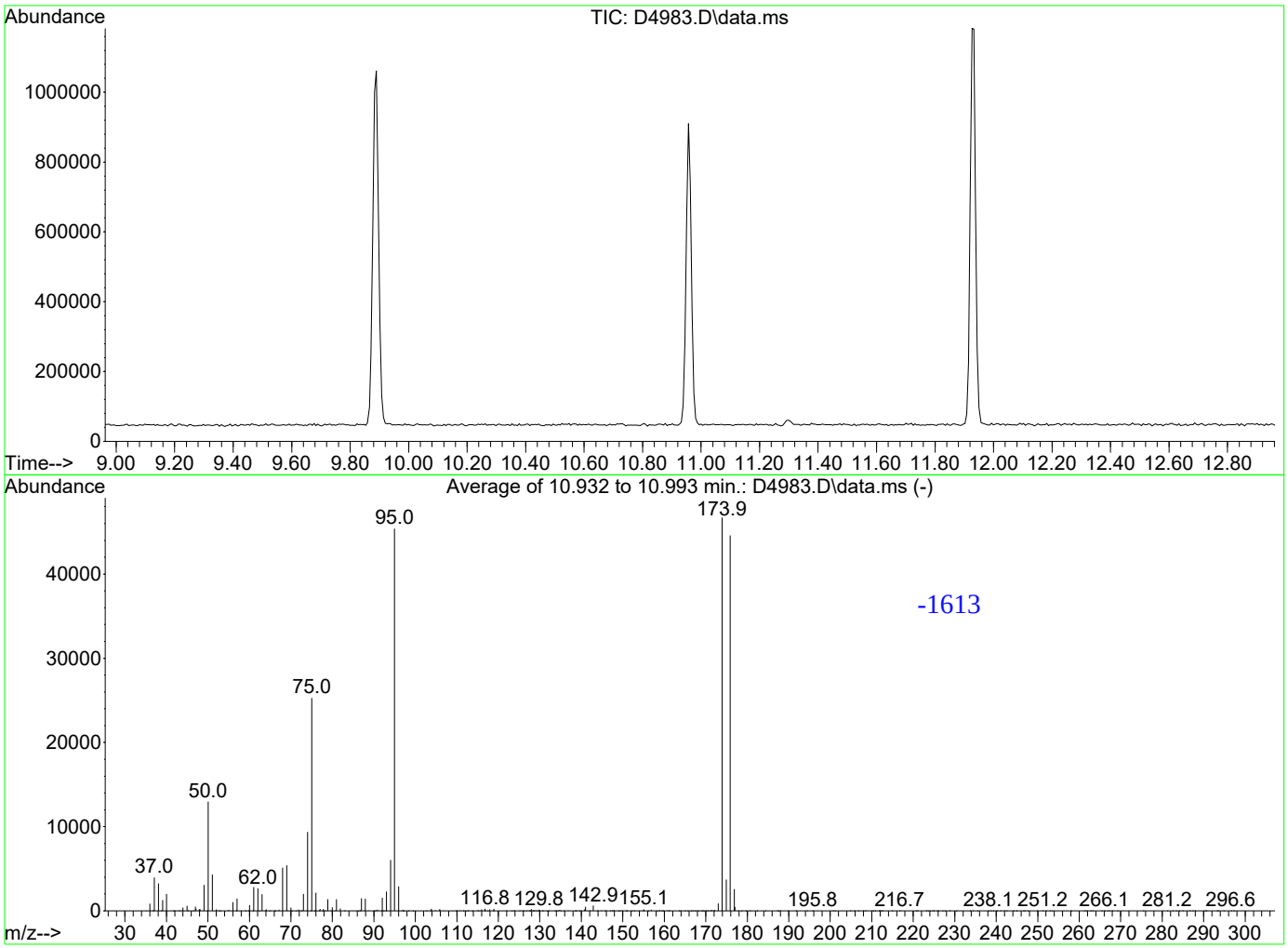
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	29.3	38691	PASS
75	95	30	60	55.1	72749	PASS
95	95	100	100	100.0	131944	PASS
96	95	5	9	6.7	8860	PASS
173	174	0.00	2	0.5	633	PASS
174	95	50	120	101.9	134477	PASS
175	174	5	9	7.1	9578	PASS
176	174	95	101	96.1	129211	PASS
177	176	5	9	6.6	8499	PASS

1st FJ 01/29/24
2nd 01/30/24

Data Path : I:\ACQUDATA\msvoa10\data\012924\
Data File : D4983.D
Acq On : 29 Jan 2024 09:39 am
Operator : F.NAEGLER
Sample : TUNE
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: RTEINT.P

Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Title : MS#10 - 8260B WATERS 5.0mL Purge
Last Update : Fri Dec 08 14:34:38 2023



Spectrum Information: Average of 10.932 to 10.993 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	28.6	12972	PASS
75	95	30	60	55.6	25270	PASS
95	95	100	100	100.0	45410	PASS
96	95	5	9	6.4	2901	PASS
173	174	0.00	2	1.9	874	PASS
174	95	50	120	102.9	46706	PASS
175	174	5	9	8.0	3730	PASS
176	174	95	101	95.5	44594	PASS
177	176	5	9	5.8	2583	PASS

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\120823\
Data File : D4047.D
Acq On : 08 Dec 2023 03:40 pm
Operator : F.NAEGLER
Sample : 50 PPB ICV
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Dec 08 15:59:14 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Fri Dec 08 14:34:38 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.537	168	389971	50.00	ug/L		0.00
42) 1,4-Difluorobenzene	6.604	114	502056	50.00	ug/L		0.00
71) d5-Chlorobenzene	9.890	117	469124	50.00	ug/L		0.00
91) 1,4-Dichlorobenzene-d4	11.926	152	251413	50.00	ug/L		0.00
System Monitoring Compounds							
44) surr4,Dibrflmethane	5.391	113	155225	47.70	ug/L		0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 95.40%				
47) surr1,1,2-dichloroetha...	5.921	65	211425	48.22	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 96.44%				
65) SURR3,Toluene-d8	8.402	98	563980	48.00	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 96.00%				
70) SURR2,BFB	10.957	95	219966	47.86	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 95.72%				
Target Compounds							Qvalue
2) Chlorodifluoromethane	1.203	51	318292	76.662	ug/L		99
3) Dichlorodifluoromethane	1.190	85	146987	34.302	ug/L		97
4) Chloromethane	1.324	50	261288	43.320	ug/L		98
5) Vinyl Chloride	1.404	62	168130	40.724	ug/L		99
6) Bromomethane	1.635	94	73264	45.329	ug/L		91
7) Chloroethane	1.715	64	100602	34.699	ug/L		96
8) Freon 21	1.873	67	255011	50.918	ug/L		100
9) Trichlorofluoromethane	1.922	101	228409	47.806	ug/L		96
10) Diethyl Ether	2.160	59	169297	46.645	ug/L		97
11) Freon 123a	2.166	67	188056	54.586	ug/L		95
12) Freon 123	2.221	83	249102	64.091	ug/L		96
13) Acrolein	2.269	56	97812	90.712	ug/L		95
14) 1,1-Diclethene	2.355	96	115067	42.718	ug/L		97
15) Freon 113	2.361	101	133319	45.850	ug/L		84
16) Acetone	2.416	43	122570	40.787	ug/L		95
17) 2-Propanol	2.550	45	551575	1026.541	ug/L		100
18) Iodomethane	2.495	142	200338	41.235	ug/L		100
19) Carbon Disulfide	2.556	76	336370	41.306	ug/L		100
20) Acetonitrile	2.684	41	232886m	247.816	ug/L		
21) Allyl Chloride	2.702	76	76673	46.014	ug/L		97
22) Methyl Acetate	2.733	43	284675	37.553	ug/L		99
23) Methylene Chloride	2.824	84	145479	48.279	ug/L		98
24) TBA	2.970	59	631818	961.744	ug/L		99
25) Acrylonitrile	3.099	53	569365	241.411	ug/L		96
26) Methyl-t-Butyl Ether	3.141	73	498359	48.178	ug/L		98
27) trans-1,2-Dichloroethene	3.123	96	132979	45.579	ug/L		98
28) 1,1-Diclethane	3.647	63	299992	48.399	ug/L		94
29) Vinyl Acetate	3.745	86	25752	56.656	ug/L	#	91
30) DIPE	3.775	45	891106	47.971	ug/L		97
31) 2-Chloro-1,3-Butadiene	3.769	53	333070	45.919	ug/L		100
32) ETBE	4.324	59	587874	45.242	ug/L		94
33) 2,2-Dichloropropane	4.513	77	225938	47.257	ug/L		98
34) cis-1,2-Dichloroethene	4.519	96	156550	45.614	ug/L		96
35) 2-Butanone	4.580	43	158670	40.394	ug/L		100
36) Propionitrile	4.671	54	227130	232.842	ug/L		97
37) Bromochloromethane	4.927	130	111382	47.507	ug/L		91
38) Methacrylonitrile	4.946	67	83492	48.006	ug/L	#	85
39) Tetrahydrofuran	5.043	42	112938	45.154	ug/L		97
40) Chloroform	5.110	83	260933	47.986	ug/L		95

1st FNJ 12/08/23
2nd WR 12/13/23

Data Path : I:\ACQUDATA\msvoa10\data\120823\
Data File : D4047.D
Acq On : 08 Dec 2023 03:40 pm
Operator : F.NAEGLER
Sample : 50 PPB ICV
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Dec 08 15:59:14 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Fri Dec 08 14:34:38 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) 1,1,1-Trichloroethane	5.397	97	230122	47.151	ug/L		97
43) Cyclohexane	5.476	41	260597	57.404	ug/L		96
45) Carbontetrachloride	5.665	117	204775	48.724	ug/L		89
46) 1,1-Dichloropropene	5.677	75	188161	46.587	ug/L		99
48) Benzene	5.994	78	553504	47.441	ug/L		97
49) 1,2-Dichloroethane	6.037	62	268912	45.529	ug/L		95
50) Iso-Butyl Alcohol	6.025	43	354093	942.855	ug/L		97
51) TAME	6.232	73	478609	48.609	ug/L		97
52) n-Heptane	6.464	43	293520	47.911	ug/L		95
53) 1-Butanol	6.970	56	437188	2404.707	ug/L		95
54) Trichloroethene	6.927	130	153962	45.583	ug/L		98
55) Methylcyclohexane	7.159	55	272640	55.364	ug/L		99
56) 1,2-Diclpropane	7.214	63	167774	48.023	ug/L		96
57) Dibromomethane	7.348	93	97593	44.057	ug/L		95
58) 1,4-Dioxane	7.421	88	54080	908.212	ug/L		97
59) Methyl Methacrylate	7.433	69	130835	49.723	ug/L		97
60) Bromodichloromethane	7.573	83	197944	46.867	ug/L		97
61) 2-Nitropropane	7.866	41	153336	94.097	ug/L		99
62) 2-Chloroethylvinyl Ether	7.976	63	101402	48.040	ug/L		96
63) cis-1,3-Dichloropropene	8.116	75	246580	49.869	ug/L		96
64) 4-Methyl-2-pentanone	8.323	43	347224	47.352	ug/L		99
66) Toluene	8.482	91	602924	46.356	ug/L		97
67) trans-1,3-Dichloropropene	8.750	75	240996	50.740	ug/L		96
68) Ethyl Methacrylate	8.884	69	231677	49.564	ug/L		98
69) 1,1,2-Trichloroethane	8.939	97	140219	45.433	ug/L		97
72) Tetrachloroethene	9.067	164	135765	49.027	ug/L		93
73) 2-Hexanone	9.225	43	256350	46.132	ug/L		95
74) 1,3-Dichloropropane	9.103	76	241607	45.143	ug/L		99
75) Dibromochloromethane	9.329	129	175726	47.404	ug/L		99
76) N-Butyl Acetate	9.378	43	562540	51.021	ug/L		99
77) 1,2-Dibromoethane	9.427	107	160086	48.780	ug/L		94
78) 3-Chlorobenzotrifluoride	9.926	180	271089	44.758	ug/L		97
79) Chlorobenzene	9.914	112	411257	46.601	ug/L		97
80) 4-Chlorobenzotrifluoride	9.981	180	250337	46.354	ug/L		99
81) 1,1,1,2-Tetrachloroethane	10.000	131	164065	46.664	ug/L		95
82) Ethylbenzene	10.030	106	219834	48.706	ug/L	#	89
83) (m+p)Xylene	10.140	106	548289	96.369	ug/L		97
84) o-Xylene	10.500	106	266183	46.288	ug/L		94
85) Styrene	10.512	104	470982	48.803	ug/L		98
86) Bromoform	10.664	173	141045	52.414	ug/L		97
87) 2-Chlorobenzotrifluoride	10.743	180	273608	46.251	ug/L		99
88) Isopropylbenzene	10.829	105	680106	47.022	ug/L		97
89) Cyclohexanone	10.902	55	1209274	996.241	ug/L		99
90) trans-1,4-Dichloro-2-B...	11.140	53	80828	40.176	ug/L		99
92) 1,1,2,2-Tetrachloroethane	11.091	83	199548	45.625	ug/L		92
93) Bromobenzene	11.079	156	208512	49.157	ug/L		95
94) 1,2,3-Trichloropropane	11.121	110	68718	45.667	ug/L		99
95) n-Propylbenzene	11.188	91	772872	49.542	ug/L		98
96) 2-Chlorotoluene	11.249	91	475992	47.788	ug/L		99
97) 3-Chlorotoluene	11.304	91	511258	49.354	ug/L		99
98) 4-Chlorotoluene	11.341	91	557956	48.866	ug/L		99
99) 1,3,5-Trimethylbenzene	11.341	105	585553	49.153	ug/L		98
100) tert-Butylbenzene	11.609	119	518546	50.244	ug/L		99
101) 1,2,4-Trimethylbenzene	11.652	105	596207	48.225	ug/L		99
102) 3,4-Dichlorobenzotrifl...	11.707	214	224951	46.890	ug/L		97
103) sec-Butylbenzene	11.792	105	694949	50.435	ug/L		100

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\120823\
Data File : D4047.D
Acq On : 08 Dec 2023 03:40 pm
Operator : F.NAEGLER
Sample : 50 PPB ICV
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Dec 08 15:59:14 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Fri Dec 08 14:34:38 2023
Response via : Initial Calibration

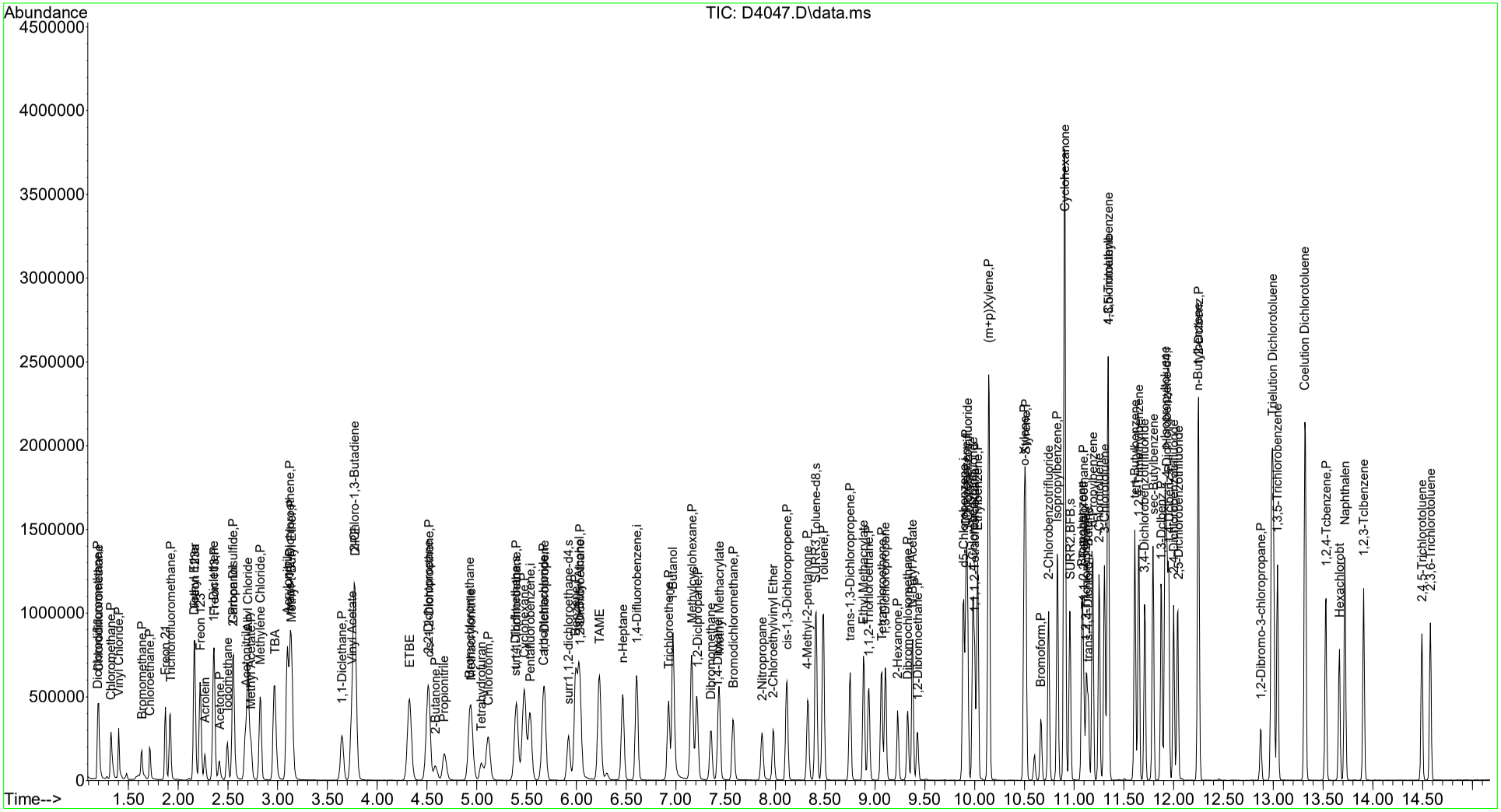
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) p-Isopropyltoluene	11.914	119	653211	51.706	ug/L	97
105) 1,3-Dclbenz	11.877	146	369044	48.731	ug/L	97
106) 1,4-Dclbenz	11.950	146	369671	46.690	ug/L	99
107) 2,4-Dichlorobenzotrifl...	11.999	214	208749	48.913	ug/L	97
108) 2,5-Dichlorobenzotrifl...	12.042	214	234110	47.360	ug/L	100
109) n-Butylbenzene	12.243	91	530713	51.112	ug/L	98
110) 1,2-Dclbenz	12.249	146	364696	47.968	ug/L	96
111) 1,2-Dibromo-3-chloropr...	12.877	157	64070	48.878	ug/L	96
112) Trielution Dichlorotol...	12.993	125	938725	144.581	ug/L	95
113) 1,3,5-Trichlorobenzene	13.042	180	303112	47.864	ug/L	99
114) Coelution Dichlorotoluene	13.316	125	694004	97.926	ug/L	98
115) 1,2,4-Tcbenzene	13.529	180	282679	48.101	ug/L	99
116) Hexachlorobt	13.664	225	126341	49.979	ug/L	95
117) Naphthalen	13.718	128	759805	48.545	ug/L	99
118) 1,2,3-Tclbenzene	13.907	180	279277	48.430	ug/L	99
119) 2,4,5-Trichlorotoluene	14.493	159	181535	49.025	ug/L	99
120) 2,3,6-Trichlorotoluene	14.578	159	180890	48.779	ug/L	95

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\120823\
Data File : D4047.D
Acq On : 08 Dec 2023 03:40 pm
Operator : F.NAEGLER
Sample : 50 PPB ICV
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Dec 08 15:59:14 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Fri Dec 08 14:34:38 2023
Response via : Initial Calibration



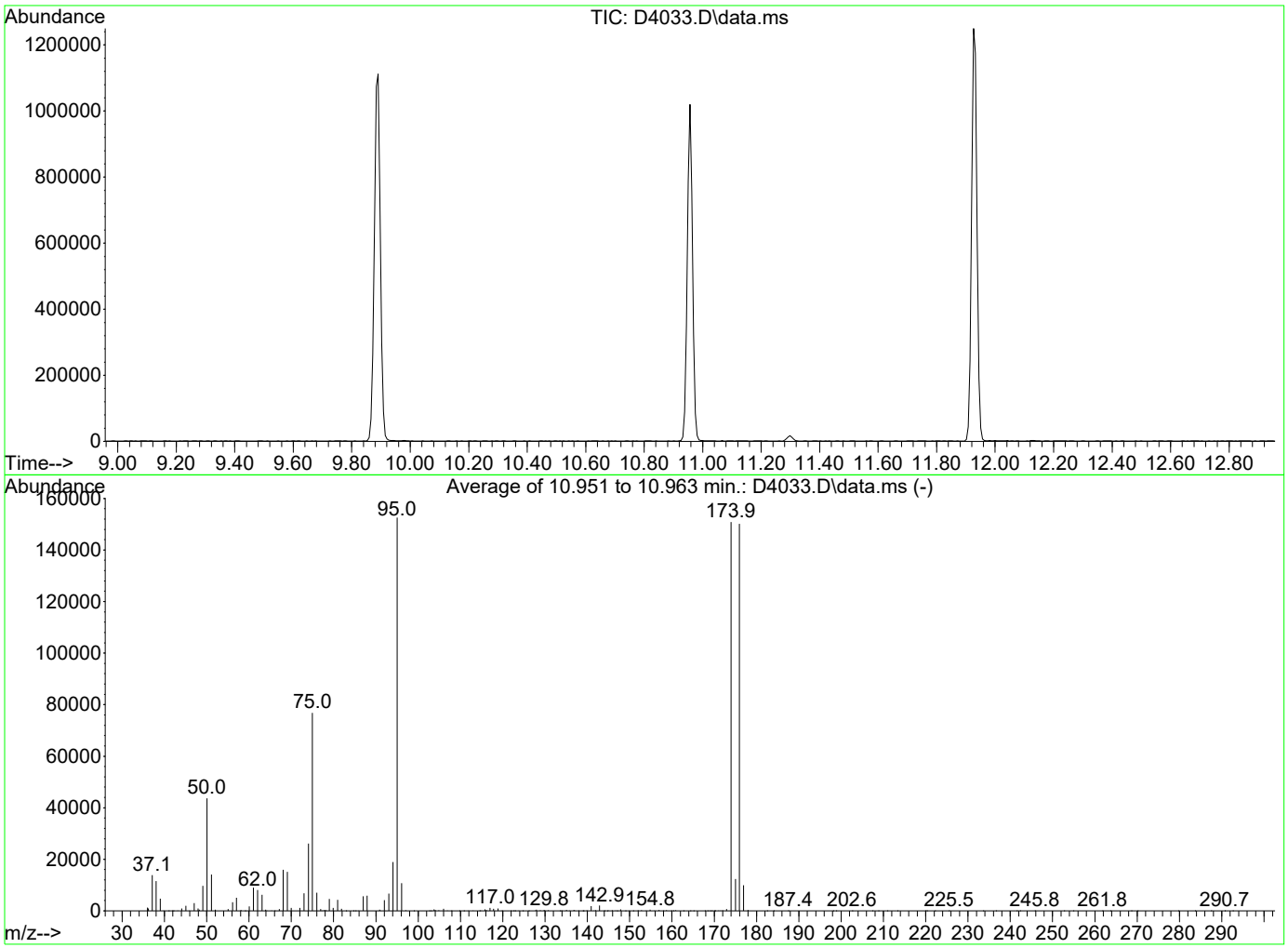
1st FJ 12/08/23
2nd 12/13/23

1st FJ 12/08/23
2nd 12/13/23

Data Path : I:\ACQUDATA\msvoa10\data\120823\
Data File : D4033.D
Acq On : 08 Dec 2023 09:57 am
Operator : F.NAEGLER
Sample : TUNE
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: RTEINT.P

Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Title : MS#10 - 8260B WATERS 5.0mL Purge
Last Update : Fri Dec 08 14:34:38 2023



AutoFind: Scans 1618, 1619, 1620; Background Corrected with Scan 1609

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	28.6	43709	PASS
75	95	30	60	50.3	76782	PASS
95	95	100	100	100.0	152565	PASS
96	95	5	9	7.0	10744	PASS
173	174	0.00	2	0.5	734	PASS
174	95	50	120	98.8	150808	PASS
175	174	5	9	8.2	12347	PASS
176	174	95	101	99.5	150112	PASS
177	176	5	9	6.6	9889	PASS

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\120823\
Data File : D4034.D
Acq On : 08 Dec 2023 10:45 am
Operator : F.NAEGLER
Sample : ICALBLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 08 15:09:15 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Fri Dec 08 14:34:38 2023
Response via : Initial Calibration

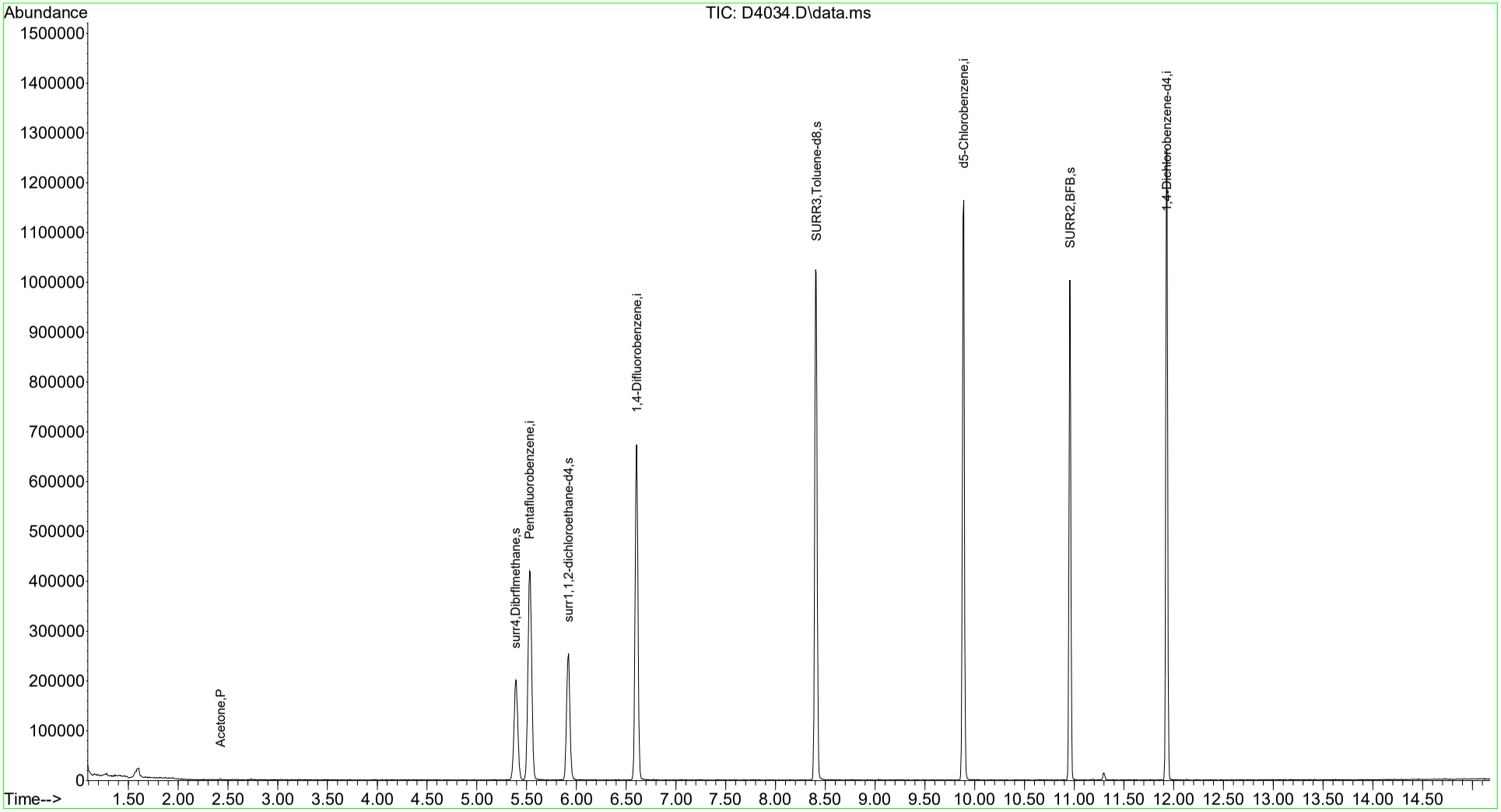
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.531	168	414718	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	6.604	114	532476	50.00	ug/L	0.00
71) d5-Chlorobenzene	9.890	117	501908	50.00	ug/L	0.00
91) 1,4-Dichlorobenzene-d4	11.932	152	265508	50.00	ug/L	0.00
System Monitoring Compounds						
44) surr4,Dibrflmethane	5.391	113	159320	46.16	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 92.32%			
47) surr1,1,2-dichloroetha...	5.921	65	208658	44.87	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 89.74%			
65) SURR3,Toluene-d8	8.408	98	585100	46.95	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 93.90%			
70) SURR2,BFB	10.957	95	222890	45.73	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 91.46%			
Target Compounds						Qvalue
16) Acetone	2.428	43	1340	0.419	ug/L	82

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

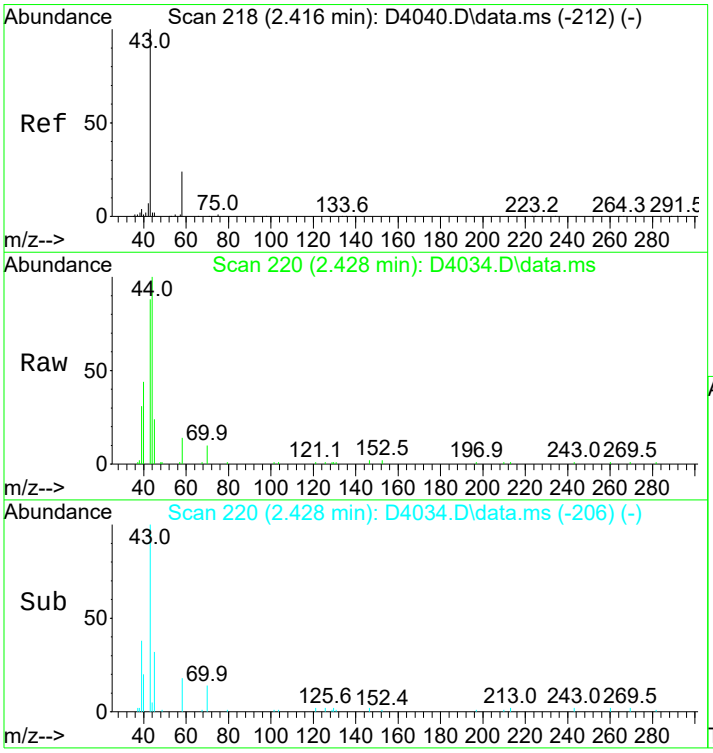
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\120823\
Data File : D4034.D
Acq On : 08 Dec 2023 10:45 am
Operator : F.NAEGLER
Sample : ICALBLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 08 15:09:15 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Fri Dec 08 14:34:38 2023
Response via : Initial Calibration



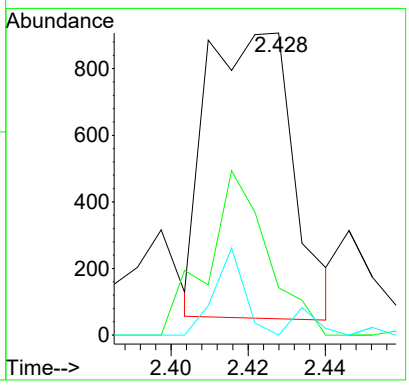
1st FJ 12/08/23
2nd 12/13/23



#16
Acetone
Concen: 0.42 ug/L
RT: 2.428 min Scan# 220
Delta R.T. 0.012 min
Lab File: D4034.D
Acq: 08 Dec 2023 10:45 am

Tgt Ion: 43 Resp: 1340

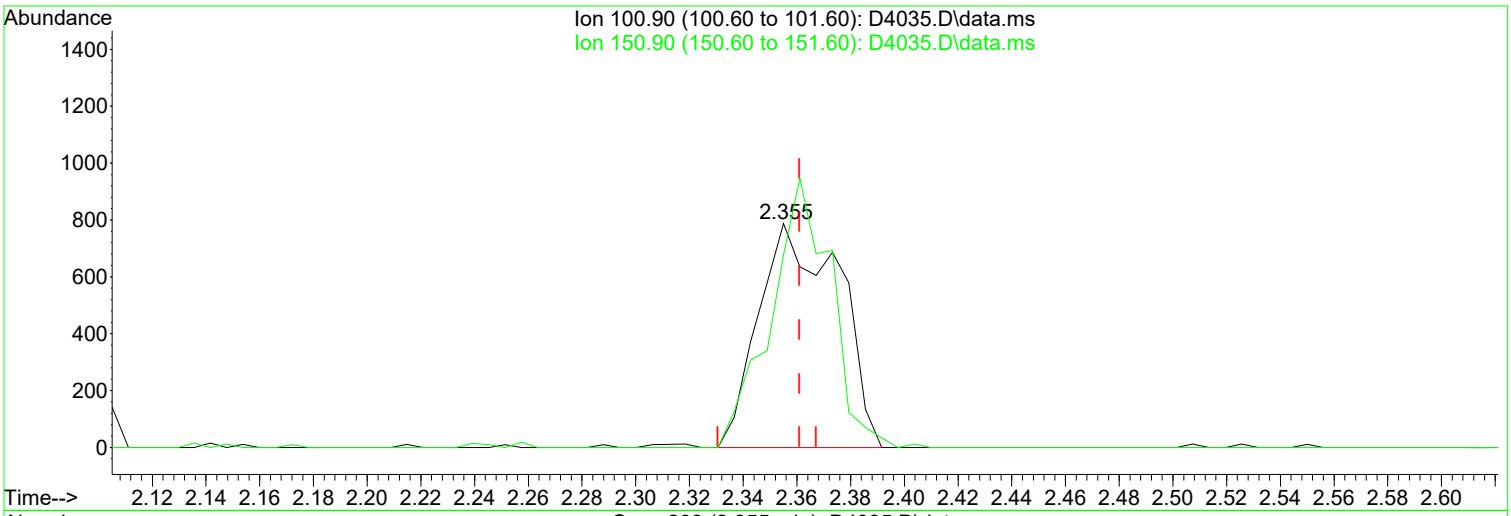
Ion	Ratio	Lower	Upper
43	100		
58	15.7	4.4	44.4
42	0.0	0.0	26.7

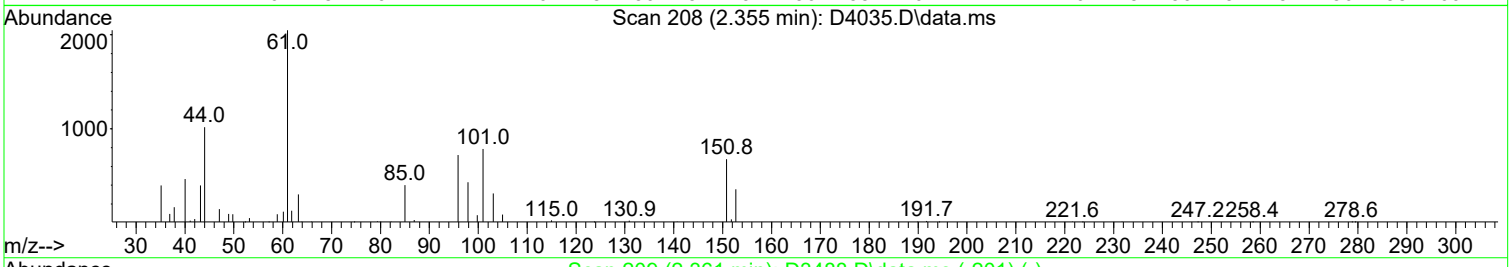


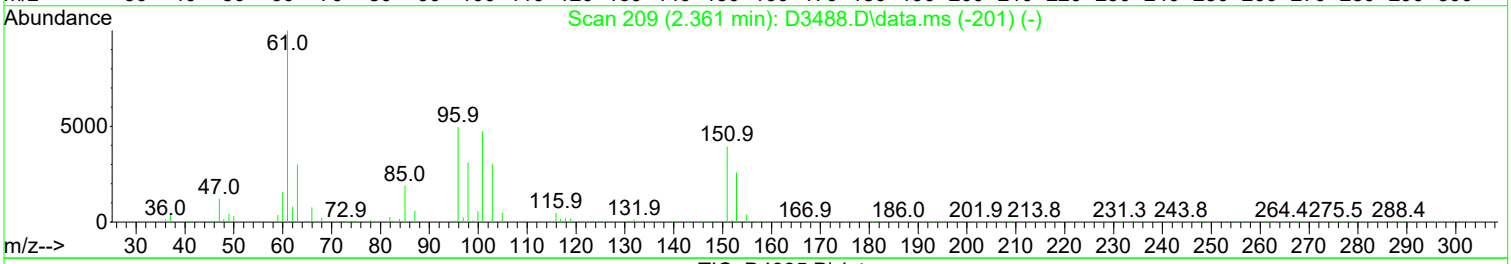
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\120823\
Data File : D4035.D
Acq On : 08 Dec 2023 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 08 12:44:17 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Sun Nov 12 10:06:26 2023
Response via : Initial Calibration







TIC: D4035.D\data.ms

(15) Freon 113 (P)

2.355min (-0.006) 0.58 ug/L m

response 1640

Ion	Exp%	Act%
100.90	100.00	100.00
150.90	83.20	86.02
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

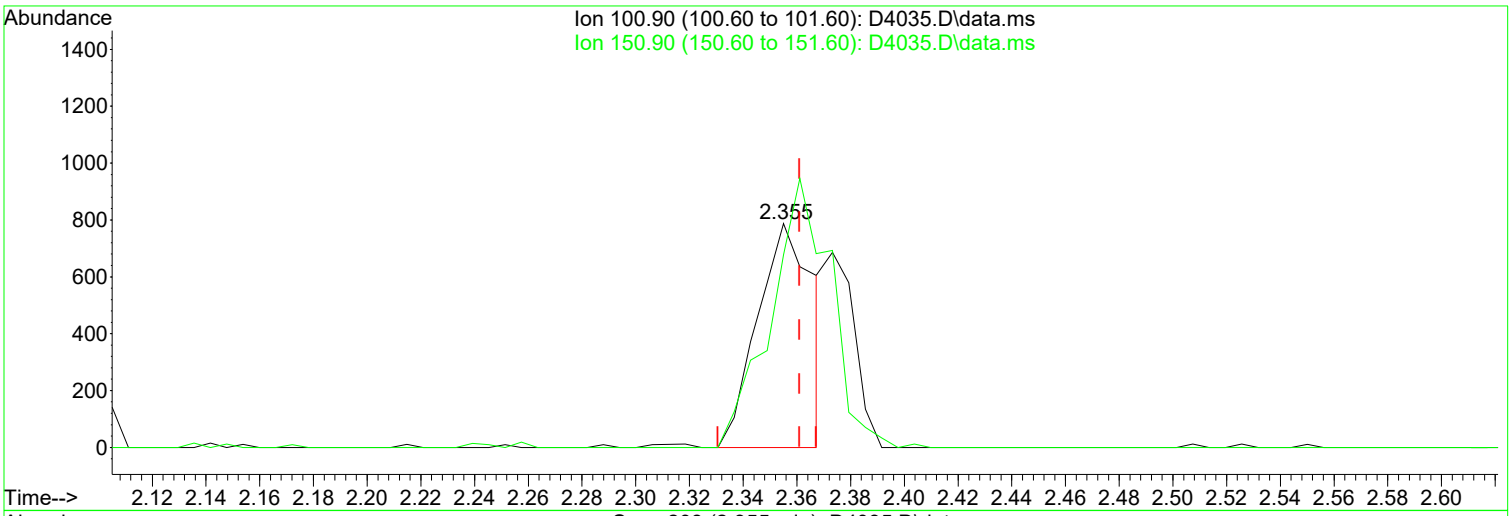
Poor integration.

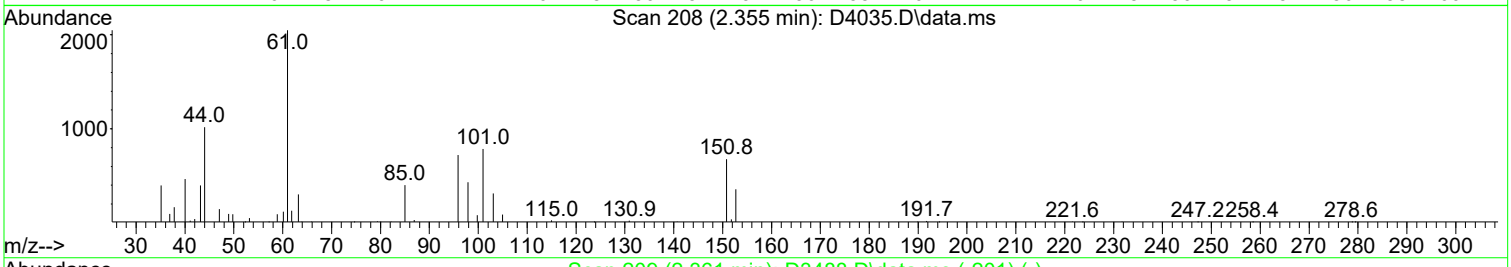
12/08/23

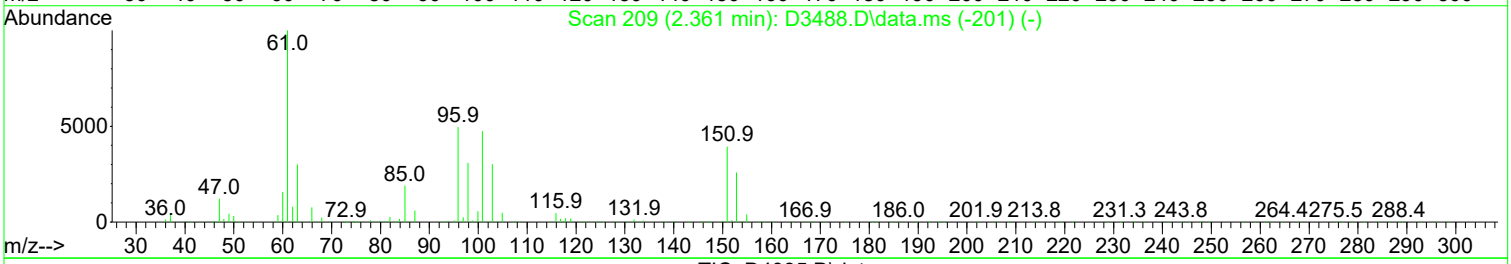
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\120823\
Data File : D4035.D
Acq On : 08 Dec 2023 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 08 12:44:17 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Sun Nov 12 10:06:26 2023
Response via : Initial Calibration







TIC: D4035.D\data.ms

(15) Freon 113 (P)

2.355min (-0.006) 0.40 ug/L

response 1128

Ion	Exp%	Act%
100.90	100.00	100.00
150.90	83.20	86.02
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

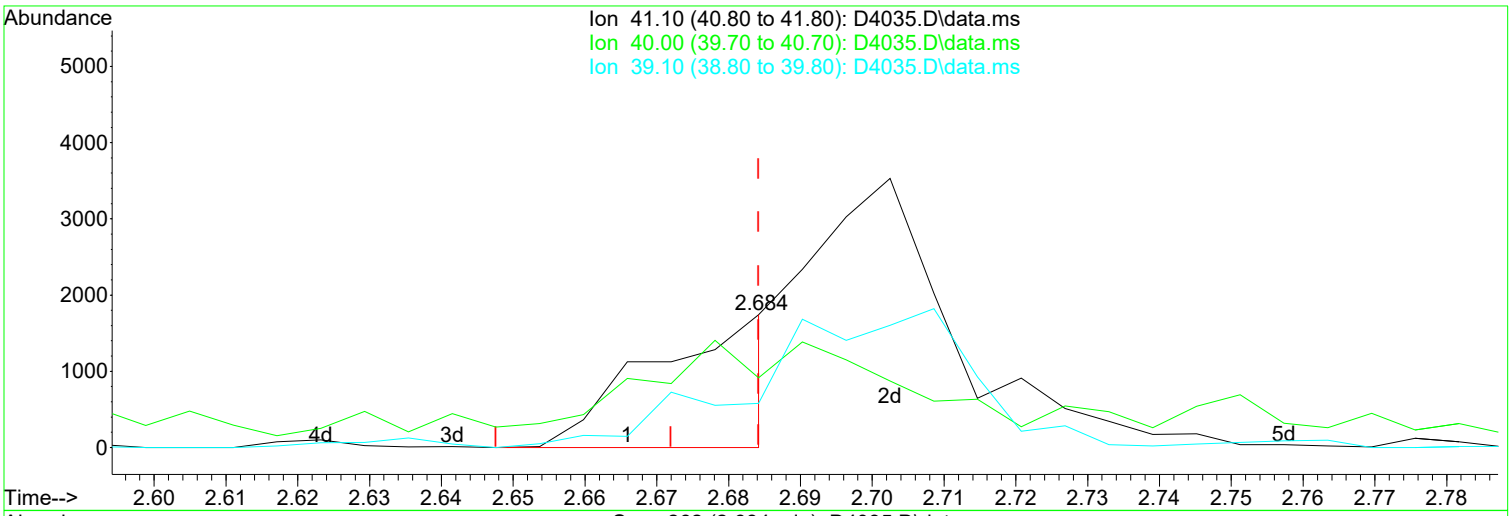
Before

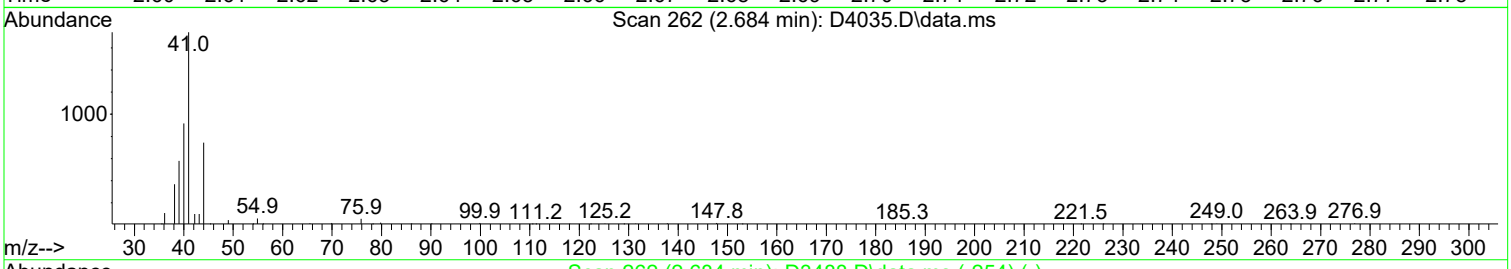
12/08/23

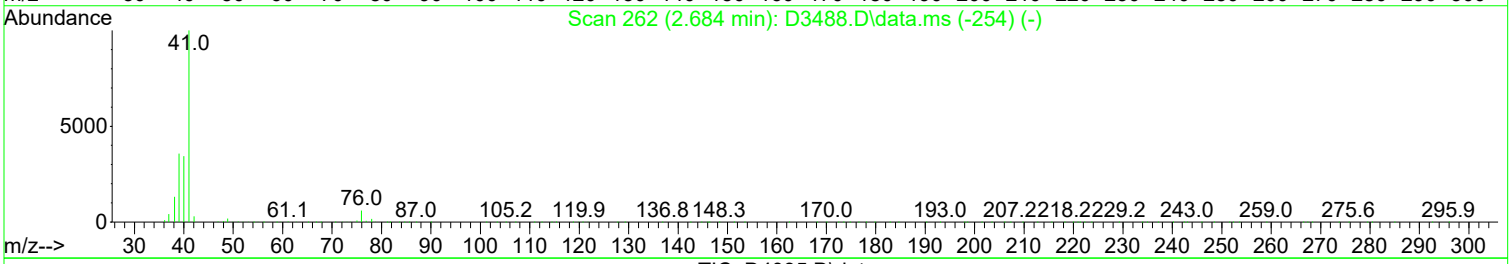
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\120823\
Data File : D4035.D
Acq On : 08 Dec 2023 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 08 12:44:17 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Sun Nov 12 10:06:26 2023
Response via : Initial Calibration







TIC: D4035.D\data.ms

(20) Acetonitrile

2.684min (+ 0.000) 2.35 ug/L m

response 2070

Ion	Exp%	Act%
41.10	100.00	100.00
40.00	71.20	52.67
39.10	35.90	33.26
0.00	0.00	0.00

Manual Integration:

After

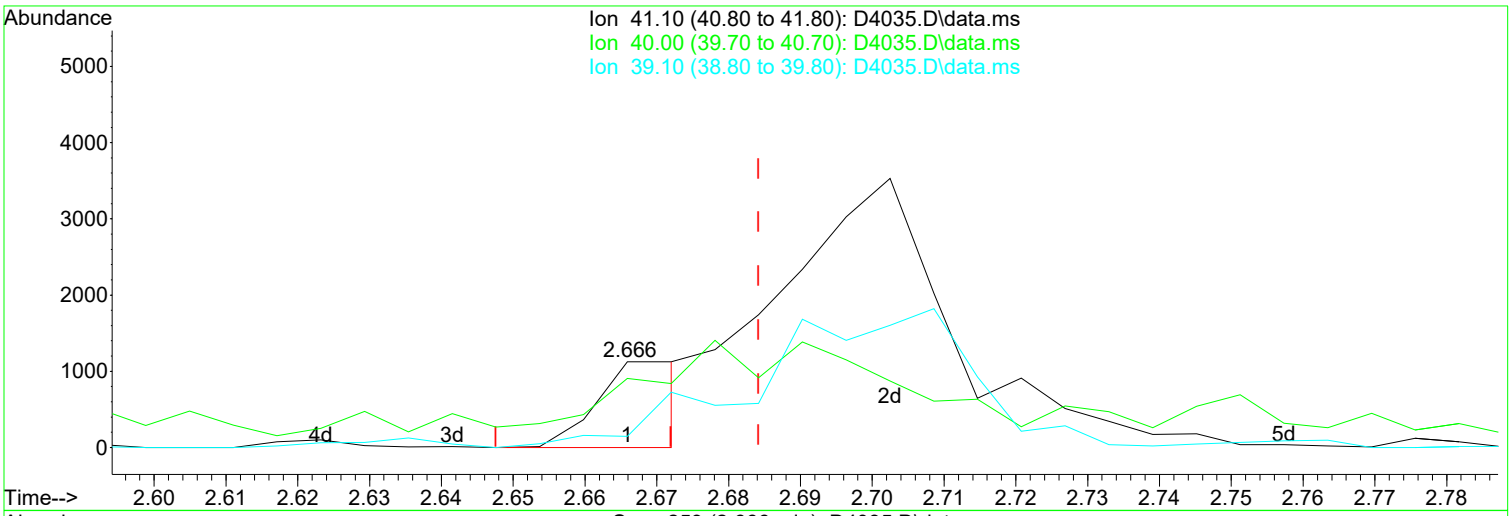
Poor integration.

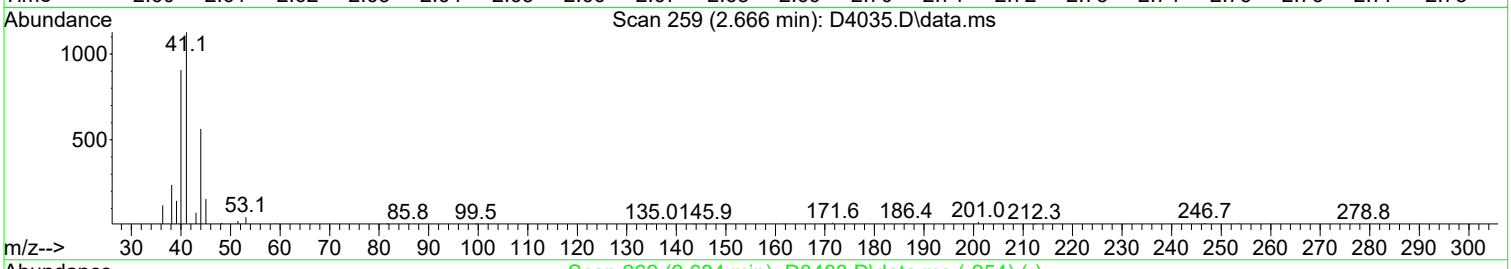
12/08/23

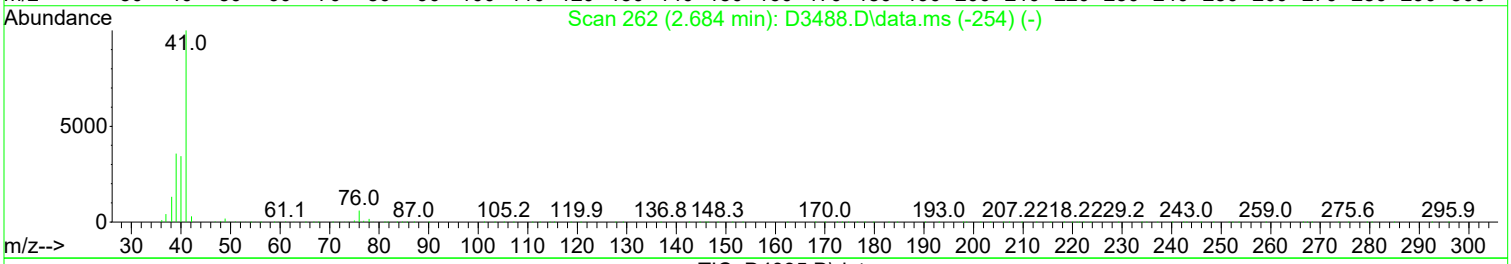
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\120823\
Data File : D4035.D
Acq On : 08 Dec 2023 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 08 12:44:17 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Sun Nov 12 10:06:26 2023
Response via : Initial Calibration







TIC: D4035.D\data.ms

(20) Acetonitrile

2.666min (-0.018) 1.09 ug/L

response 963

Ion	Exp%	Act%
41.10	100.00	100.00
40.00	71.20	80.48
39.10	35.90	12.87#
0.00	0.00	0.00

Manual Integration:

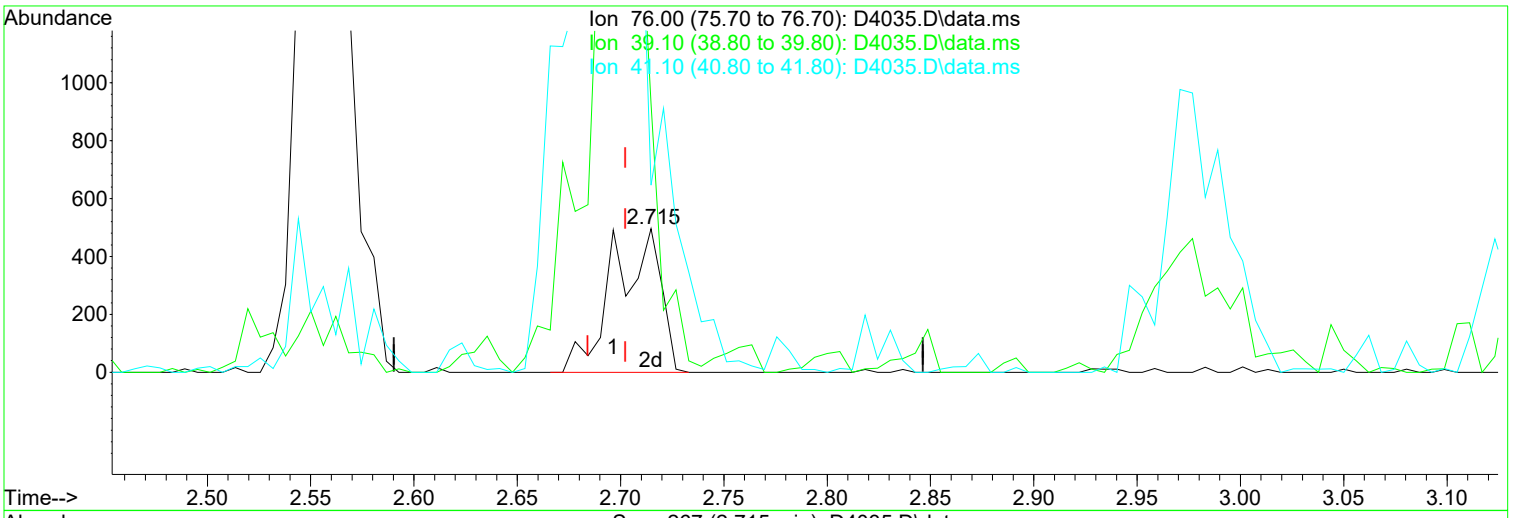
Before

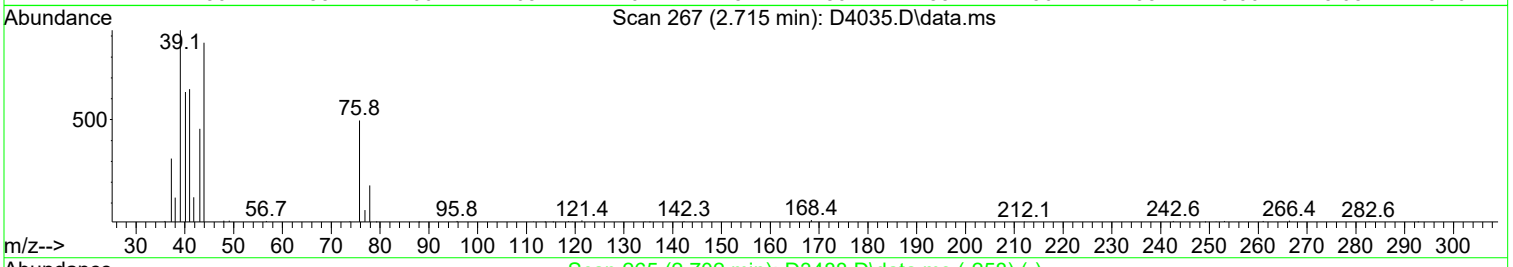
12/08/23

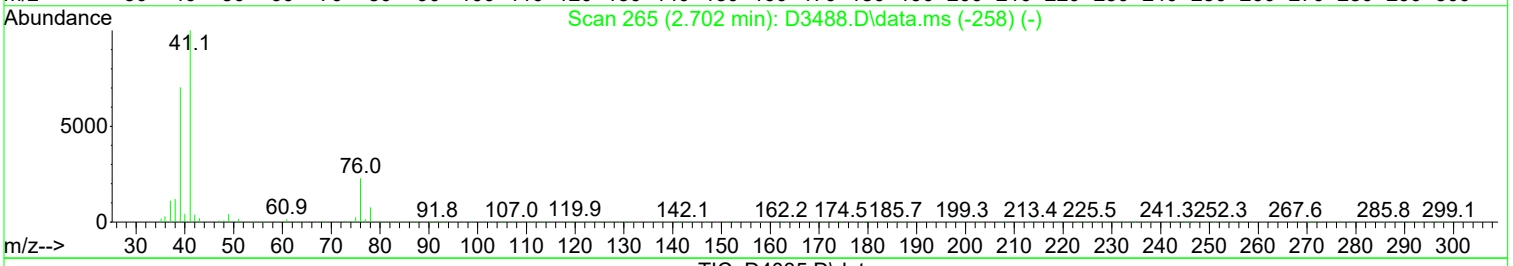
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\120823\
Data File : D4035.D
Acq On : 08 Dec 2023 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 08 12:44:17 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Sun Nov 12 10:06:26 2023
Response via : Initial Calibration







TIC: D4035.D\data.ms

(21) Allyl Chloride

2.715min (+ 0.012) 0.50 ug/L m

response 783

Ion	Exp%	Act%
76.00	100.00	100.00
39.10	327.30	187.10#
41.10	537.00	130.24#
0.00	0.00	0.00

Manual Integration:

After

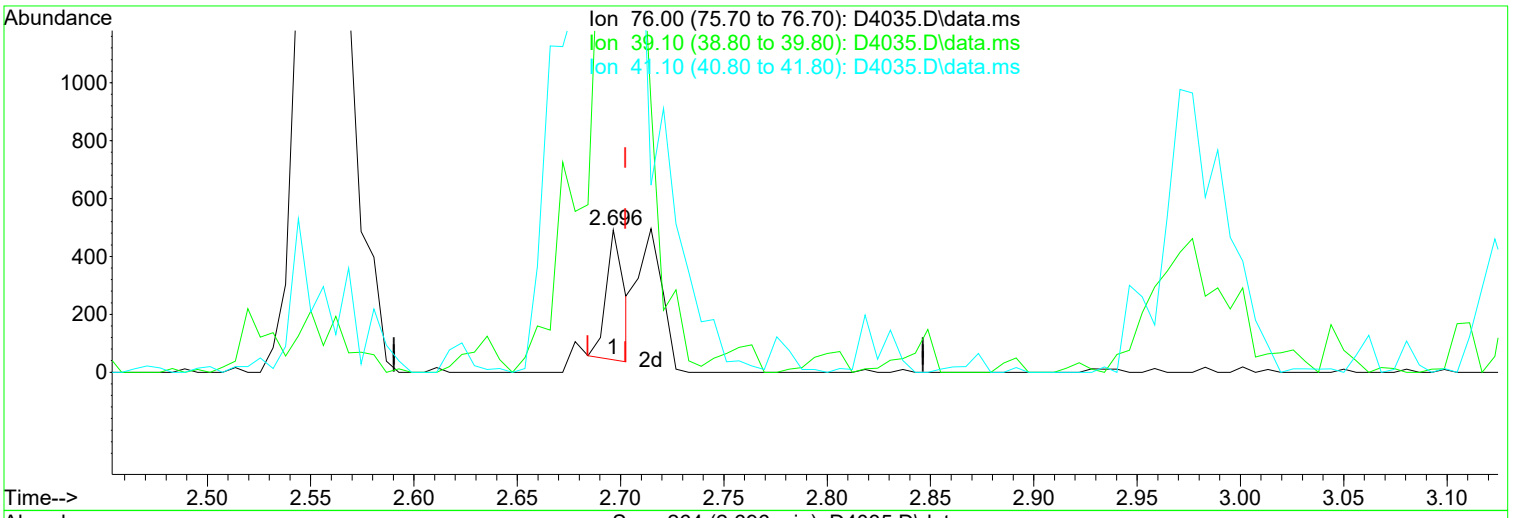
Poor integration.

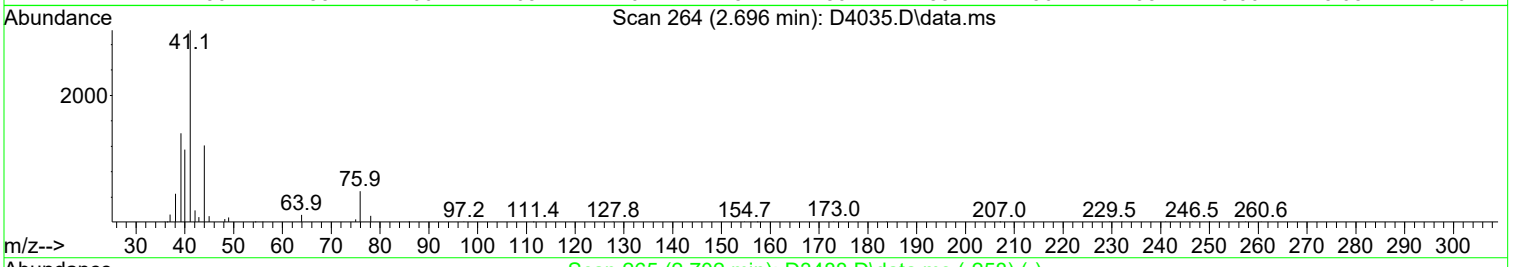
12/08/23

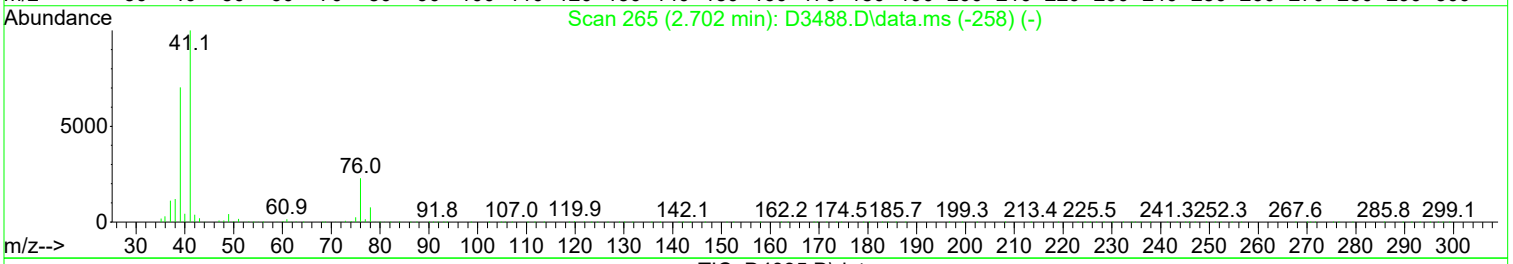
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\120823\
Data File : D4035.D
Acq On : 08 Dec 2023 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 08 12:44:17 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Sun Nov 12 10:06:26 2023
Response via : Initial Calibration







TIC: D4035.D\data.ms

(21) Allyl Chloride

2.696min (-0.006) 0.17 ug/L

response 269

Ion	Exp%	Act%
76.00	100.00	100.00
39.10	327.30	285.98#
41.10	537.00	615.04#
0.00	0.00	0.00

Manual Integration:

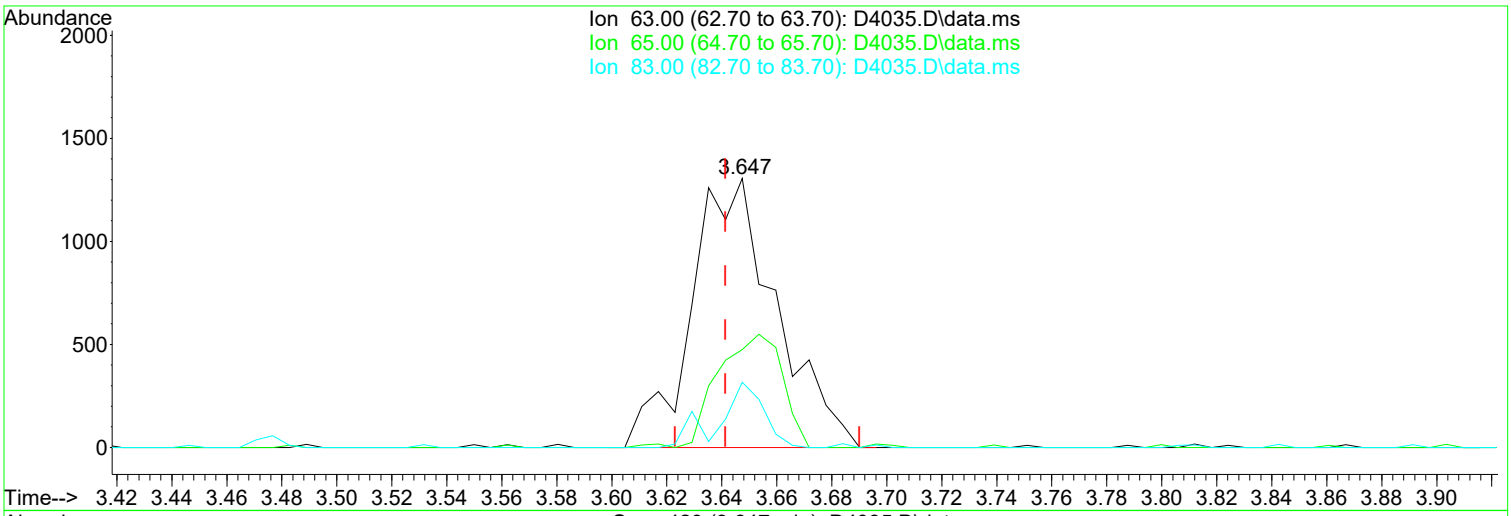
Before

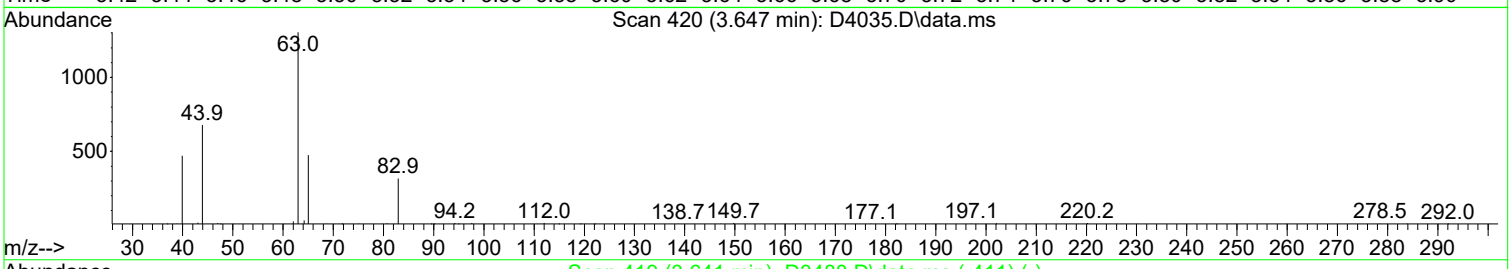
12/08/23

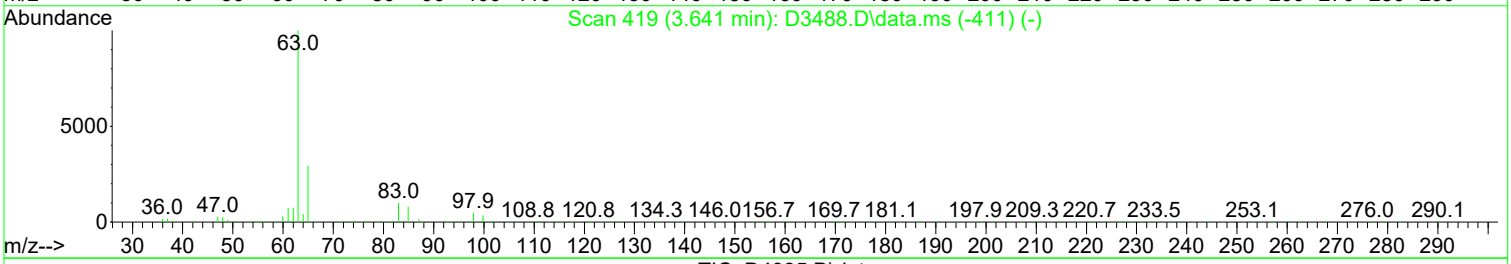
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\120823\
Data File : D4035.D
Acq On : 08 Dec 2023 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 08 12:44:17 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Sun Nov 12 10:06:26 2023
Response via : Initial Calibration







TIC: D4035.D\data.ms

(28) 1,1-Diclethane (P)

3.647min (+ 0.006) 0.44 ug/L m

response 2796

Ion	Exp%	Act%
63.00	100.00	100.00
65.00	29.40	36.40
83.00	10.00	24.29
0.00	0.00	0.00

Manual Integration:

After

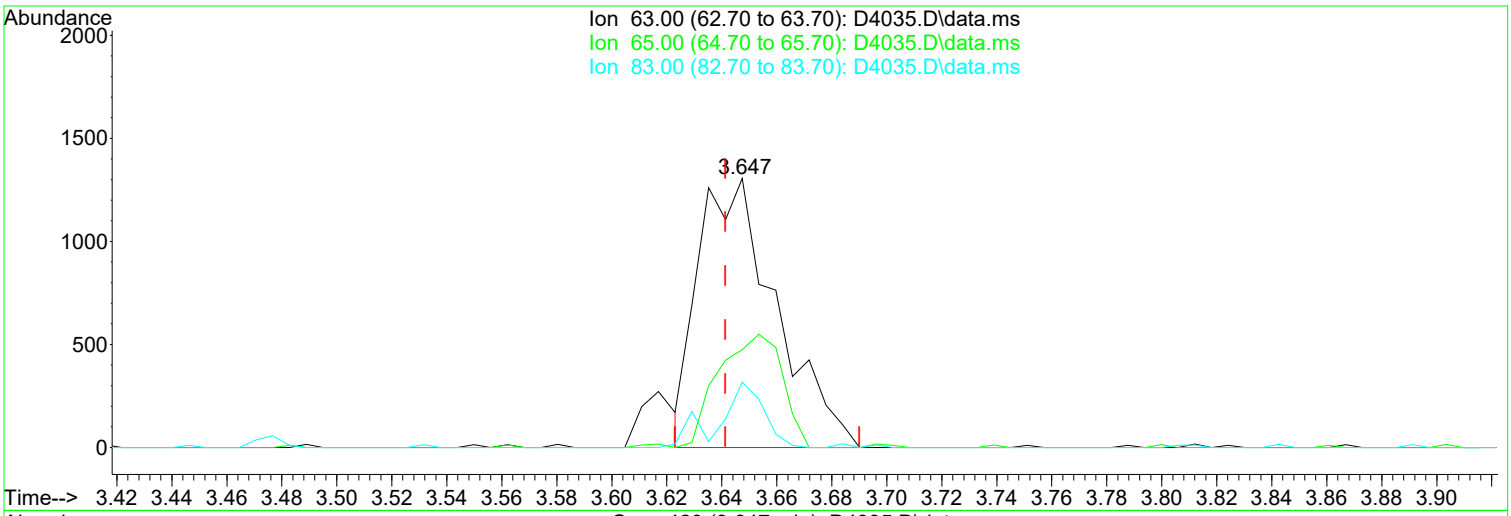
Poor integration.

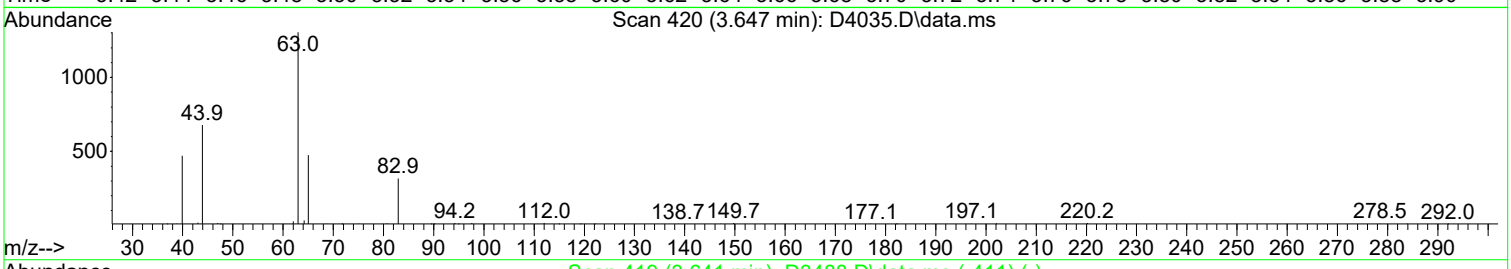
12/08/23

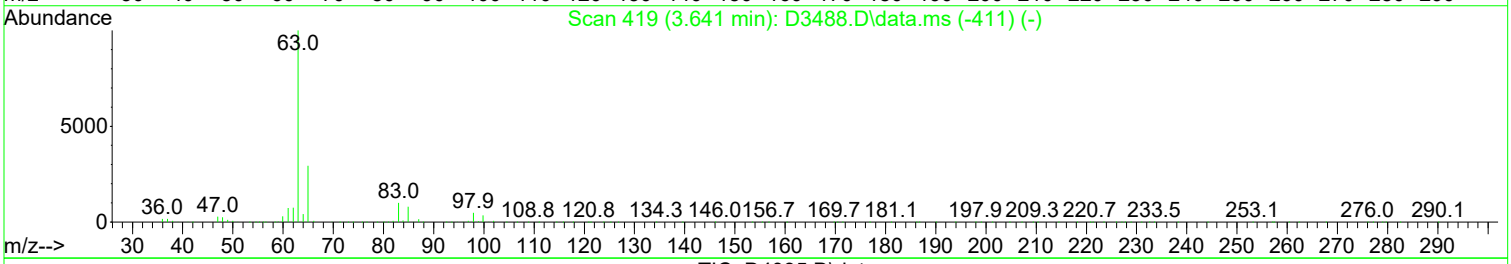
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\120823\
Data File : D4035.D
Acq On : 08 Dec 2023 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 08 12:44:17 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Sun Nov 12 10:06:26 2023
Response via : Initial Calibration







TIC: D4035.D\data.ms

(28) 1,1-Diclethane (P)

3.647min (+ 0.006) 0.41 ug/L

response 2561

Ion	Exp%	Act%
63.00	100.00	100.00
65.00	29.40	36.40
83.00	10.00	24.29
0.00	0.00	0.00

Manual Integration:

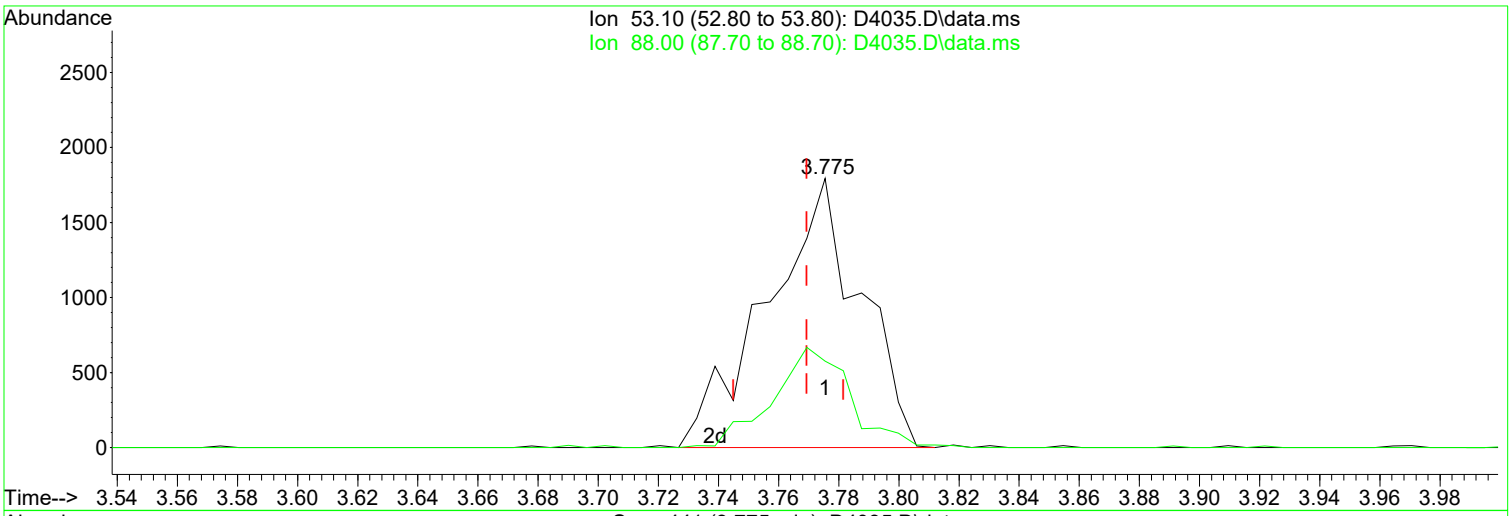
Before

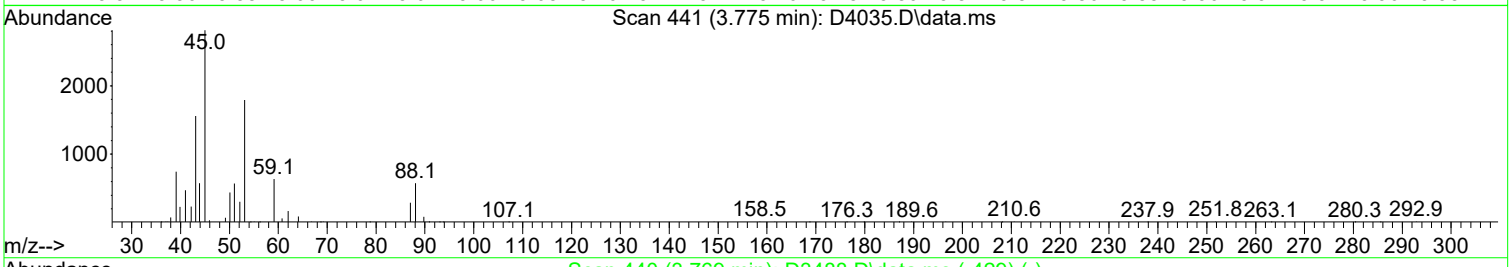
12/08/23

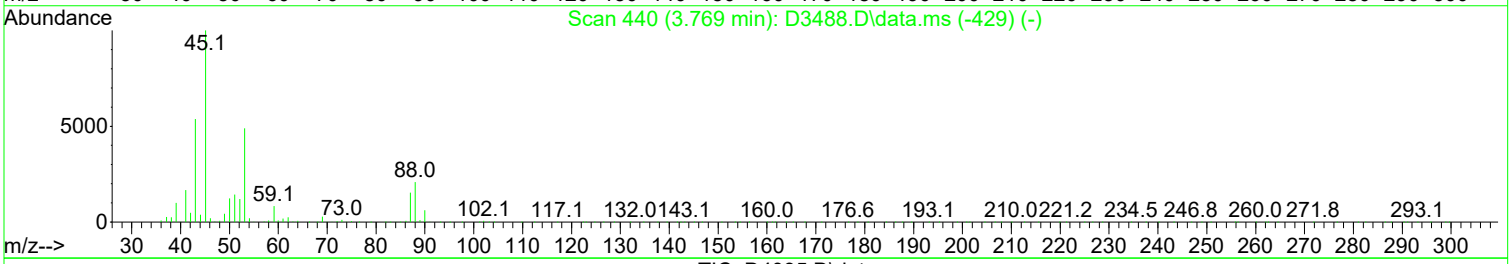
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\120823\
Data File : D4035.D
Acq On : 08 Dec 2023 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 08 12:44:17 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Sun Nov 12 10:06:26 2023
Response via : Initial Calibration







TIC: D4035.D\data.ms

(31) 2-Chloro-1,3-Butadiene

3.775min (+ 0.006) 0.56 ug/L m

response 3859

Ion	Exp%	Act%
53.10	100.00	100.00
88.00	42.50	32.07
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

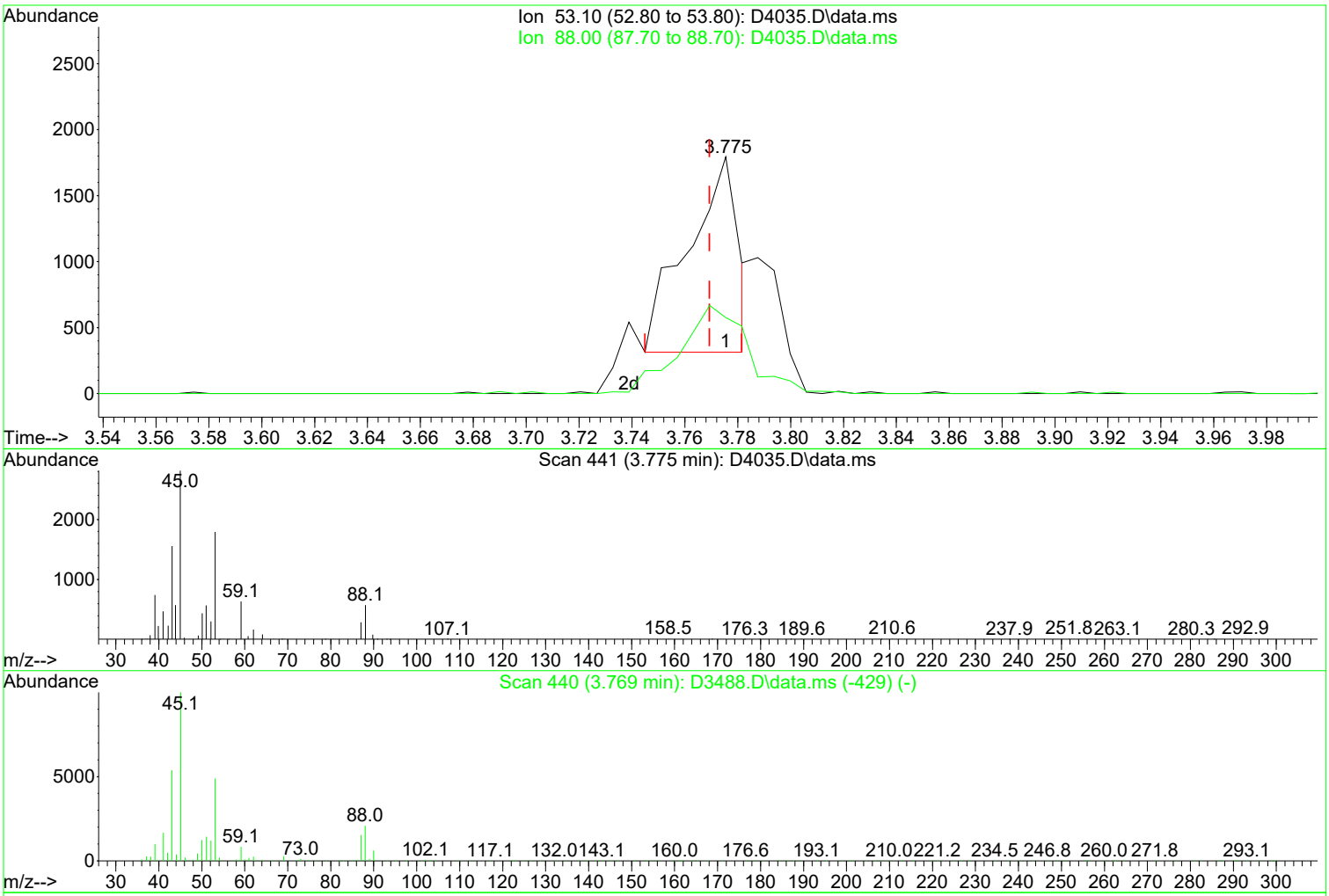
Poor integration.

12/08/23

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\120823\
Data File : D4035.D
Acq On : 08 Dec 2023 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 08 12:44:17 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Sun Nov 12 10:06:26 2023
Response via : Initial Calibration



TIC: D4035.D\data.ms

(31) 2-Chloro-1,3-Butadiene

3.775min (+ 0.006) 0.28 ug/L

response 1954

Ion	Exp%	Act%
53.10	100.00	100.00
88.00	42.50	32.07
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

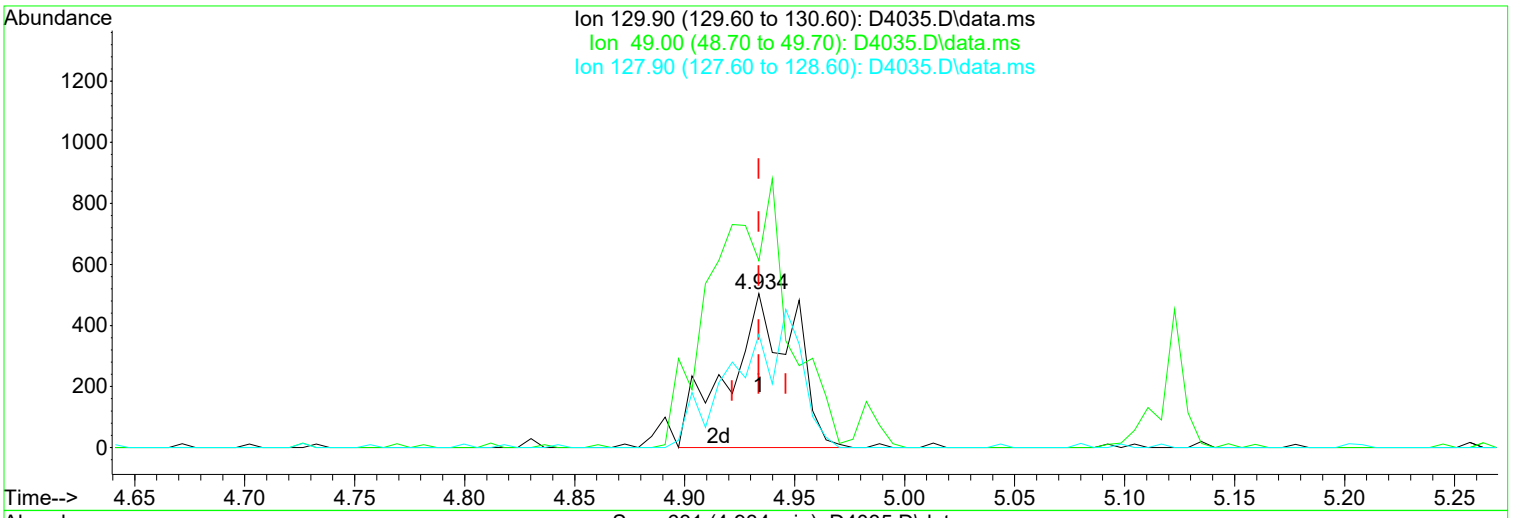
Before

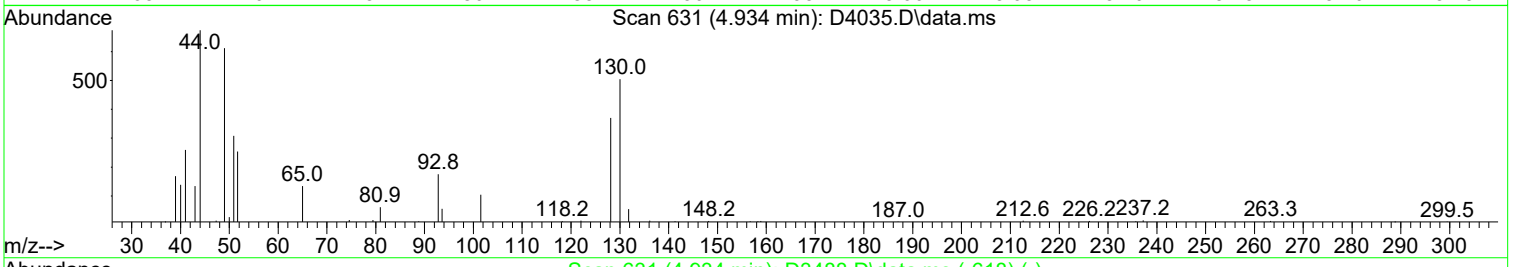
12/08/23

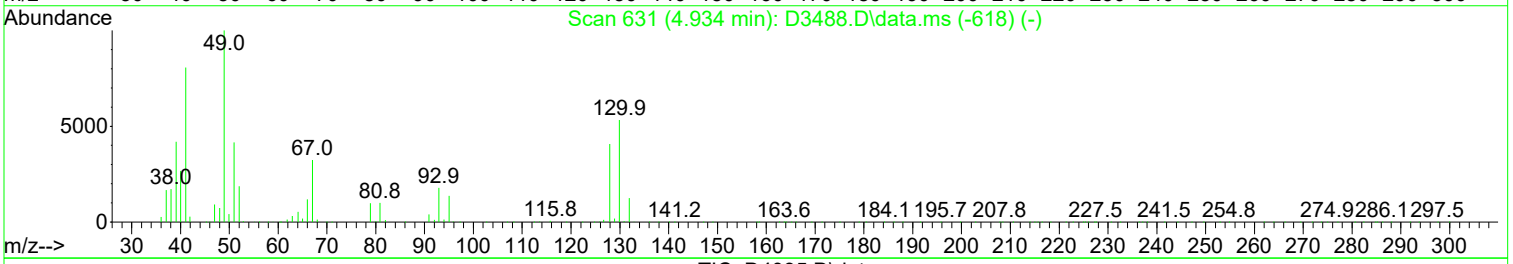
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\120823\
Data File : D4035.D
Acq On : 08 Dec 2023 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 08 12:44:17 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Sun Nov 12 10:06:26 2023
Response via : Initial Calibration







TIC: D4035.D\data.ms

(37) Bromochloromethane

4.934min (+ 0.000) 0.46 ug/L m

response 1051

Ion	Exp%	Act%
129.90	100.00	100.00
49.00	187.90	121.43#
127.90	76.50	73.41
0.00	0.00	0.00

Manual Integration:

After

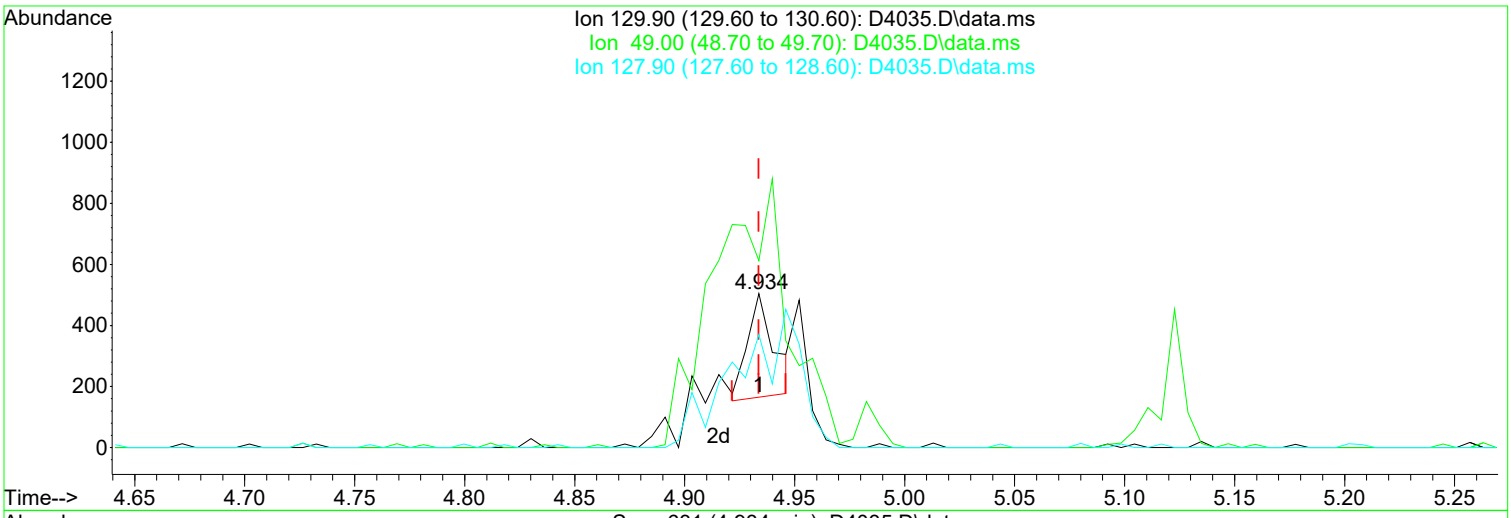
Poor integration.

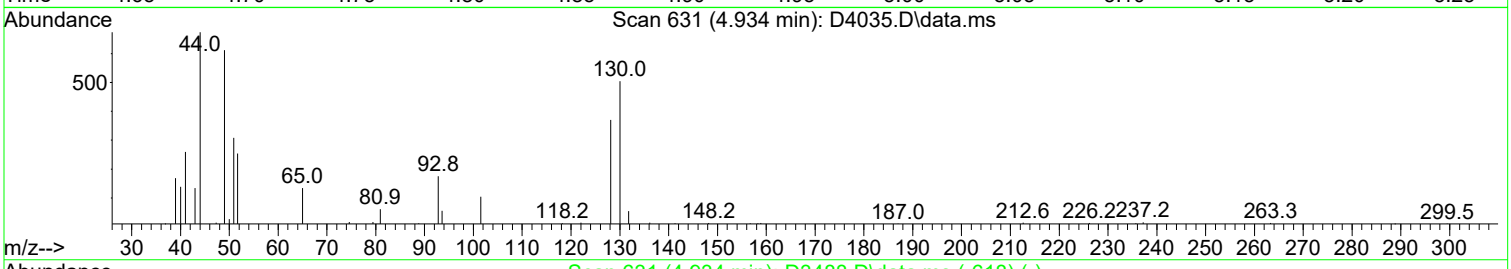
12/08/23

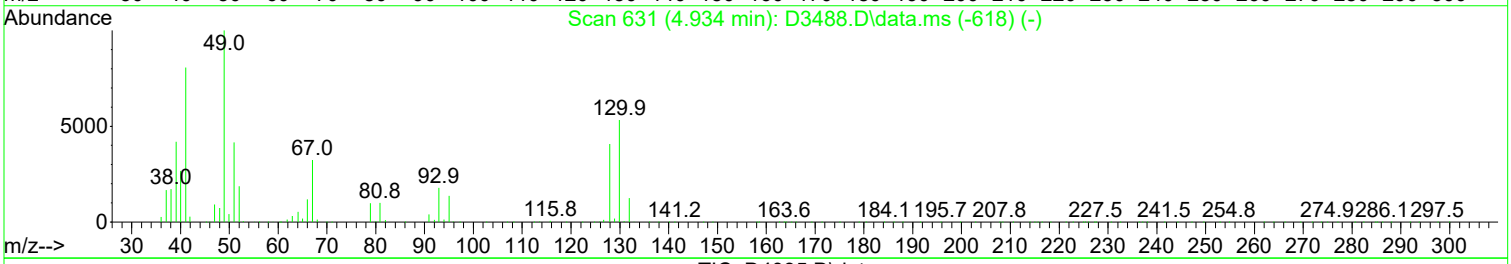
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\120823\
Data File : D4035.D
Acq On : 08 Dec 2023 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 08 12:44:17 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Sun Nov 12 10:06:26 2023
Response via : Initial Calibration







TIC: D4035.D\data.ms

(37) Bromochloromethane

4.934min (+ 0.000) 0.12 ug/L

response 284

Ion	Exp%	Act%
129.90	100.00	100.00
49.00	187.90	121.43#
127.90	76.50	73.41
0.00	0.00	0.00

Manual Integration:

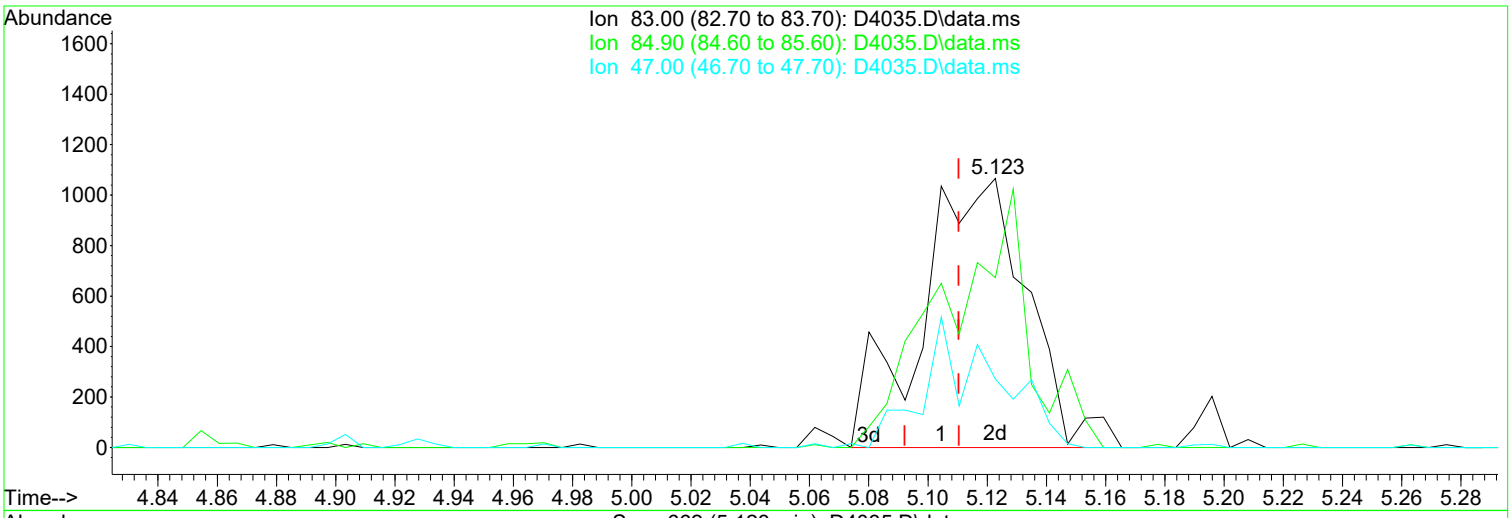
Before

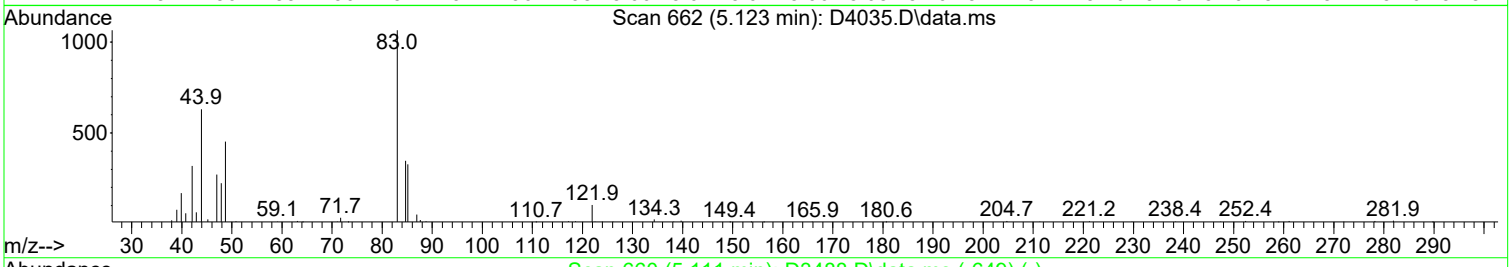
12/08/23

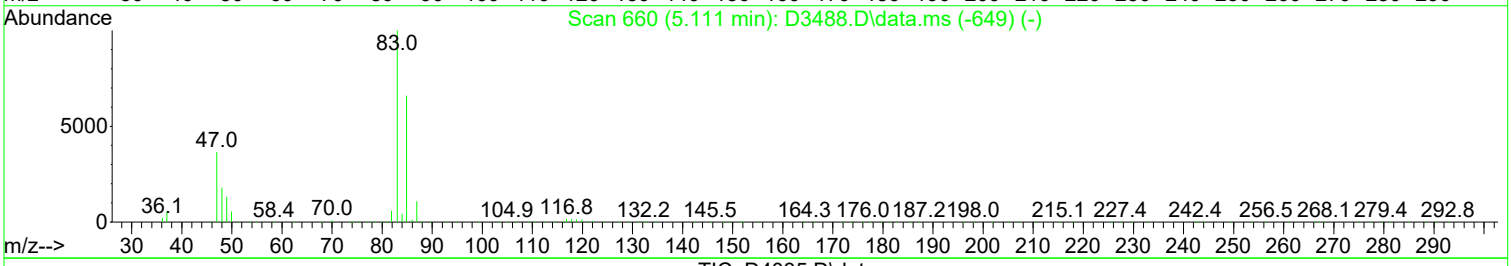
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\120823\
Data File : D4035.D
Acq On : 08 Dec 2023 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 08 12:44:17 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Sun Nov 12 10:06:26 2023
Response via : Initial Calibration







TIC: D4035.D\data.ms

(40) Chloroform (P)

5.123min (+ 0.012) 0.49 ug/L m

response 2665

Ion	Exp%	Act%
83.00	100.00	100.00
84.90	66.00	32.46#
47.00	36.60	25.42
0.00	0.00	0.00

Manual Integration:

After

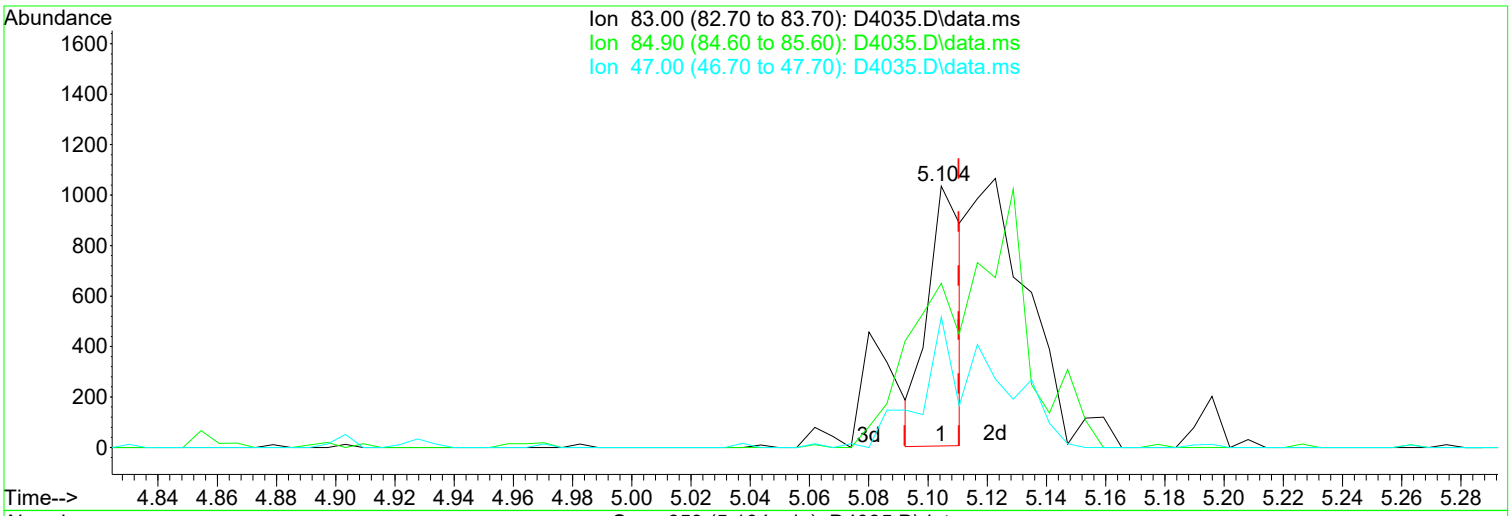
Poor integration.

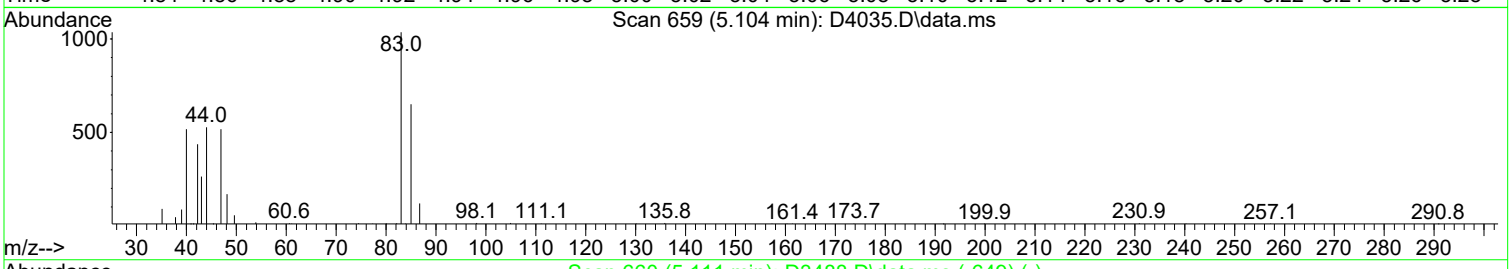
12/08/23

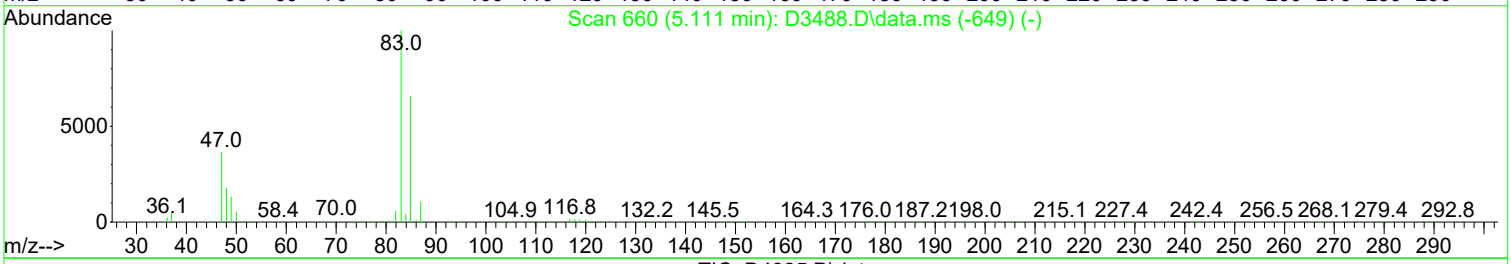
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\120823\
Data File : D4035.D
Acq On : 08 Dec 2023 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 08 12:44:17 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Sun Nov 12 10:06:26 2023
Response via : Initial Calibration







TIC: D4035.D\data.ms

(40) Chloroform (P)

5.104min (-0.006) 0.15 ug/L

response 842

Ion	Exp%	Act%
83.00	100.00	100.00
84.90	66.00	62.74
47.00	36.60	49.90
0.00	0.00	0.00

Manual Integration:

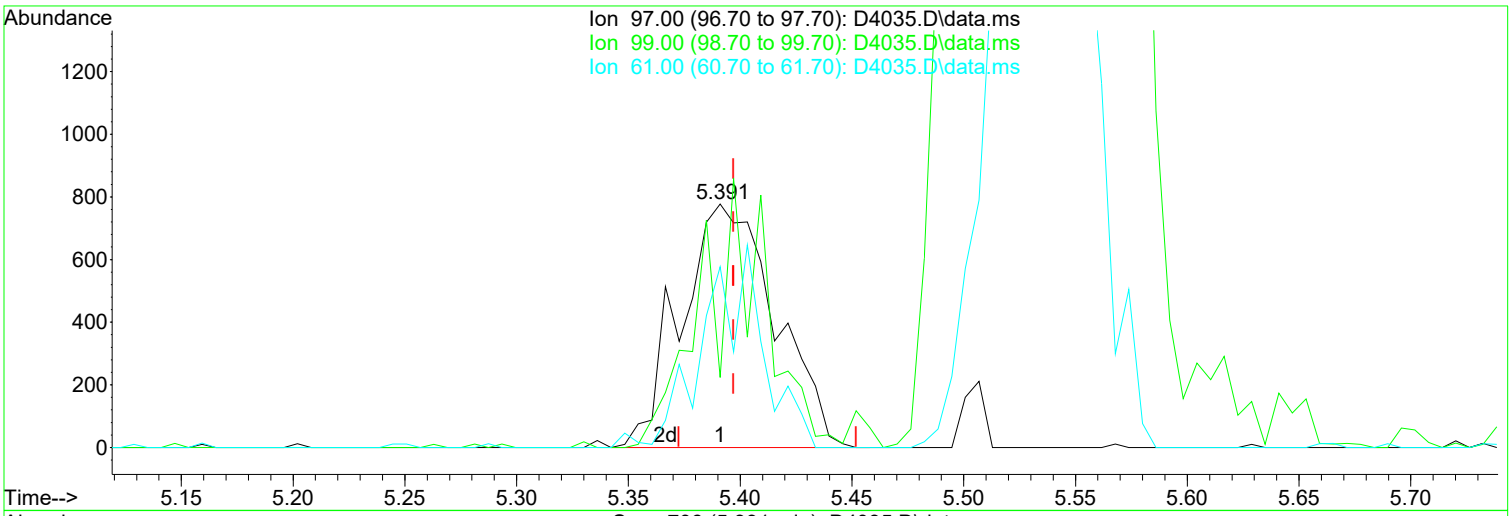
Before

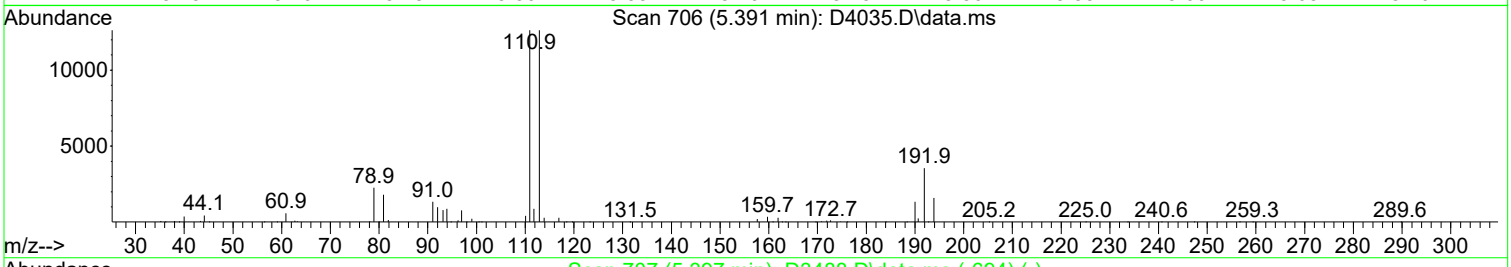
12/08/23

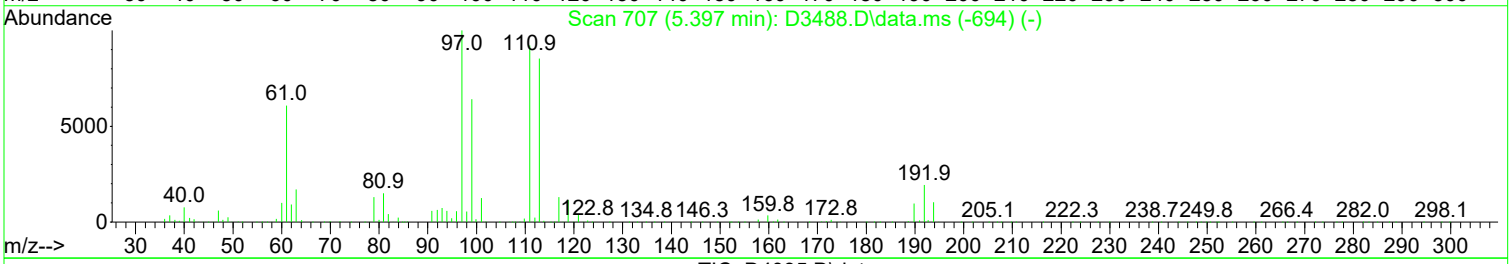
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\120823\
Data File : D4035.D
Acq On : 08 Dec 2023 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 08 12:44:17 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Sun Nov 12 10:06:26 2023
Response via : Initial Calibration







TIC: D4035.D\data.ms

(41) 1,1,1-Trichloroethane (P)

5.391min (-0.006) 0.60 ug/L m

response 2302

Ion	Exp%	Act%
97.00	100.00	100.00
99.00	64.20	28.83#
61.00	60.80	74.26
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

12/08/23

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\120823\
Data File : D4035.D
Acq On : 08 Dec 2023 11:07 am
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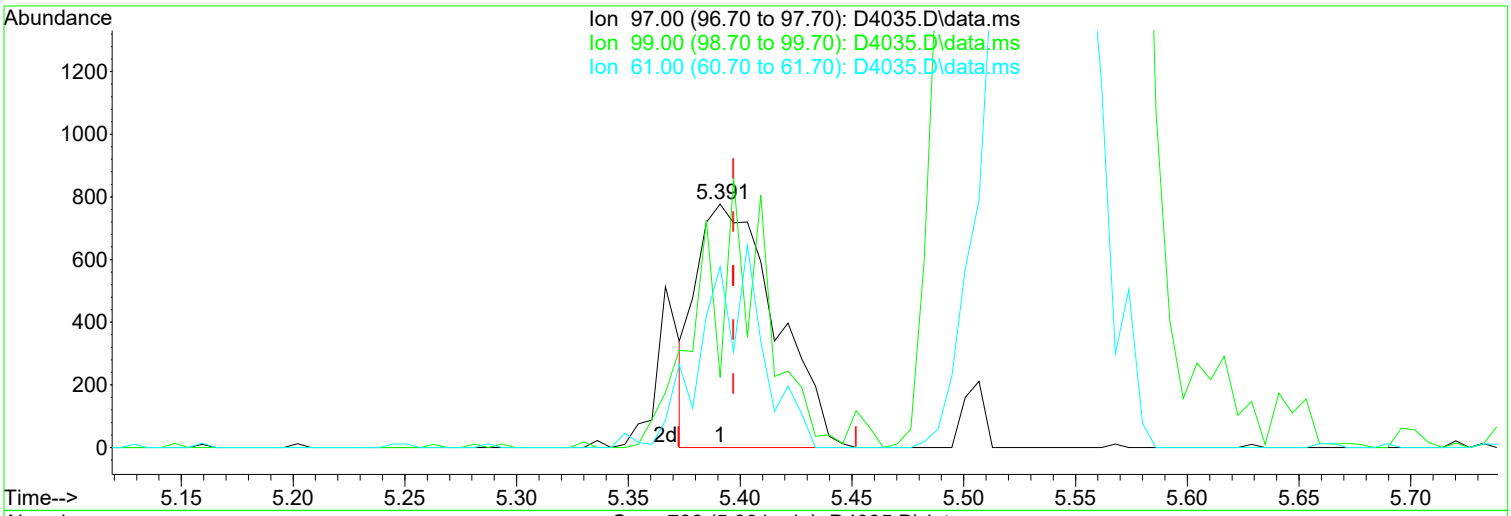
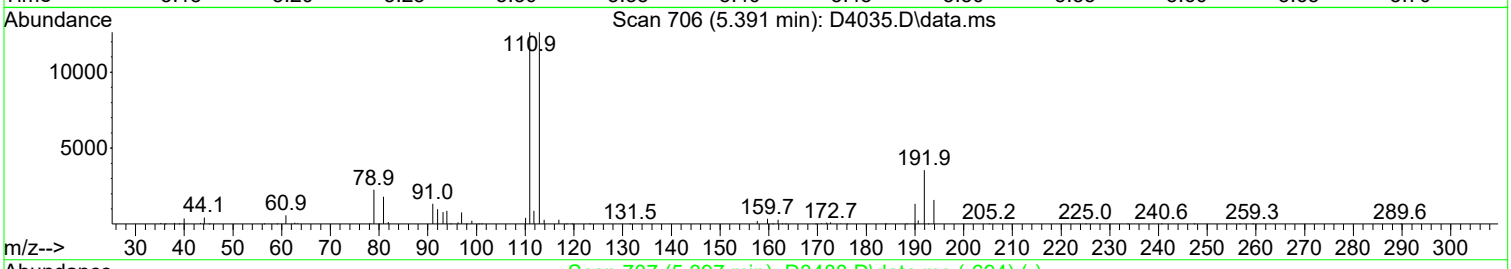
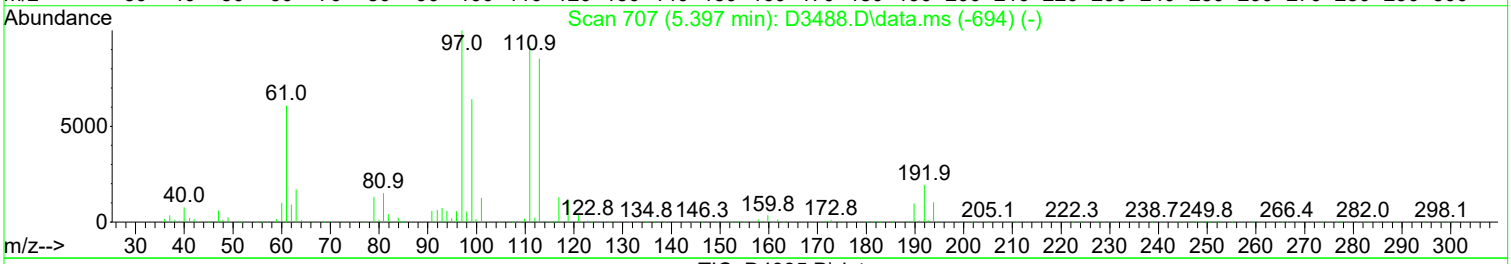
Sample : 0.5 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 08 12:44:17 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Sun Nov 12 10:06:26 2023
Response via : Initial Calibration







TIC: D4035.D\data.ms

(41) 1,1,1-Trichloroethane (P)

5.391min (-0.006) 0.50 ug/L

response 1927

Ion	Exp%	Act%
97.00	100.00	100.00
99.00	64.20	28.83#
61.00	60.80	74.26
0.00	0.00	0.00

Manual Integration:

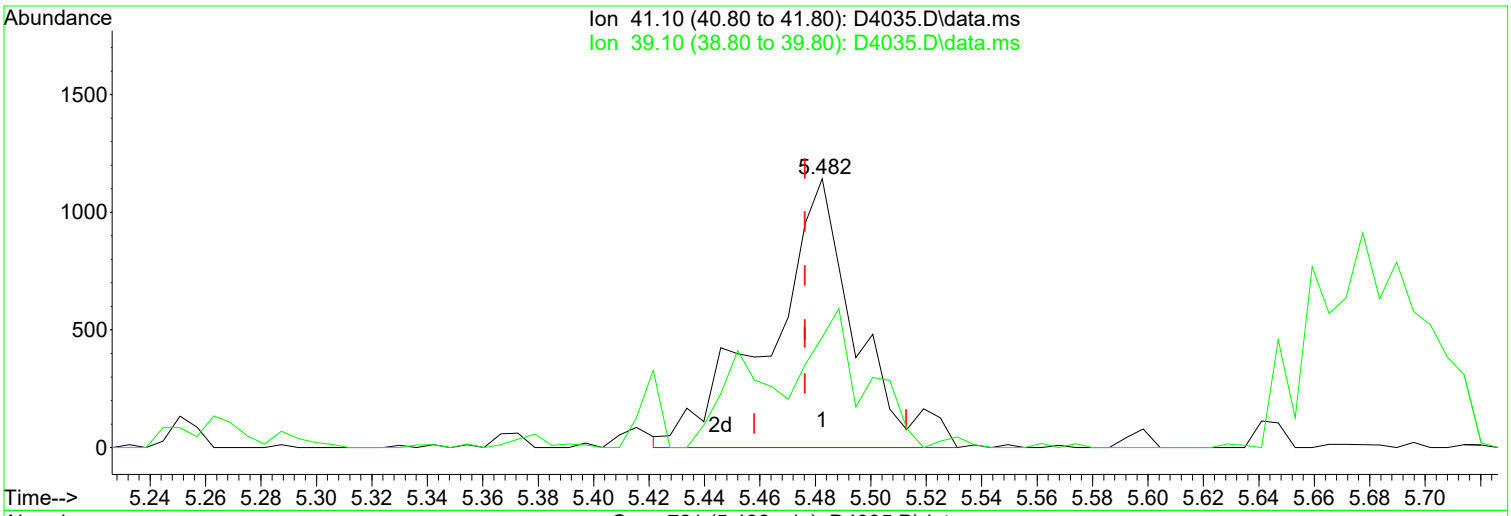
Before

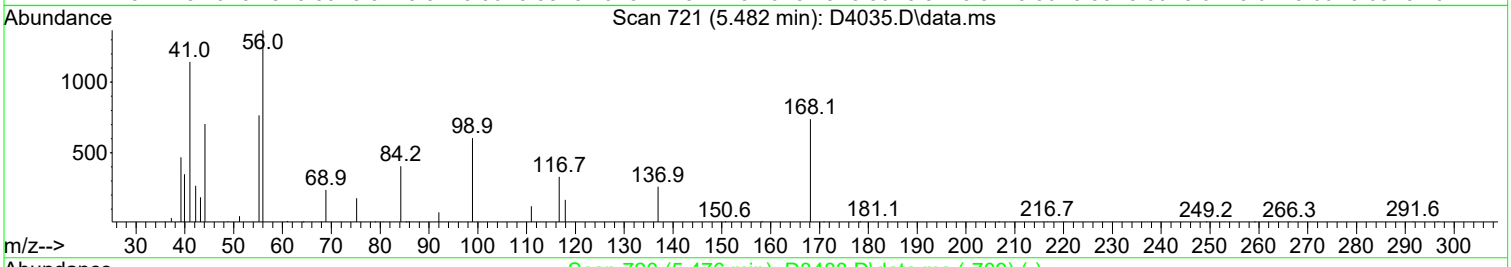
12/08/23

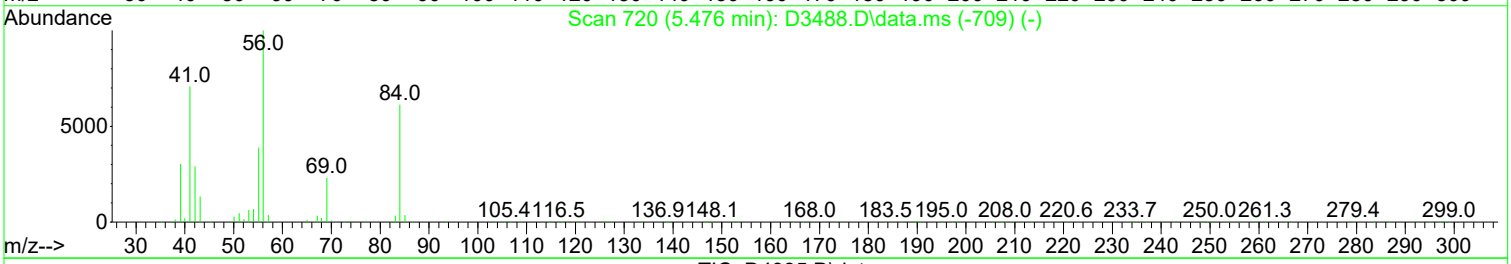
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\120823\
Data File : D4035.D
Acq On : 08 Dec 2023 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 08 12:44:17 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Sun Nov 12 10:06:26 2023
Response via : Initial Calibration







TIC: D4035.D\data.ms

(43) Cyclohexane (P)

5.482min (+ 0.006) 0.53 ug/L m

response 2465

Ion	Exp%	Act%
41.10	100.00	100.00
39.10	43.00	41.03
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

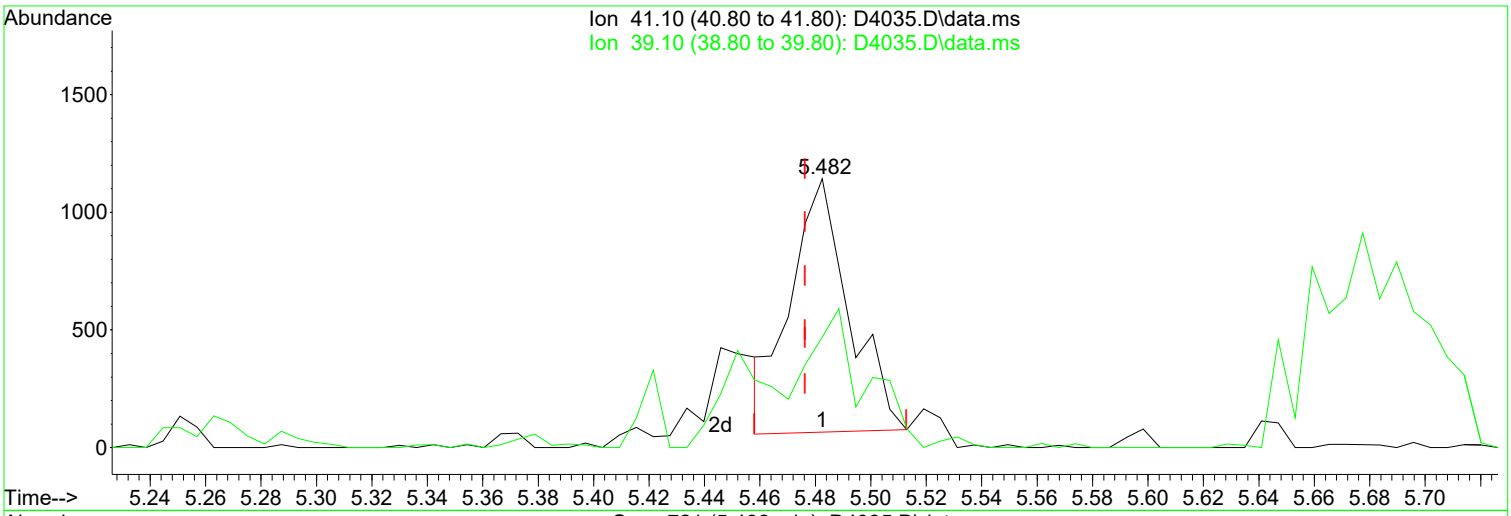
Poor integration.

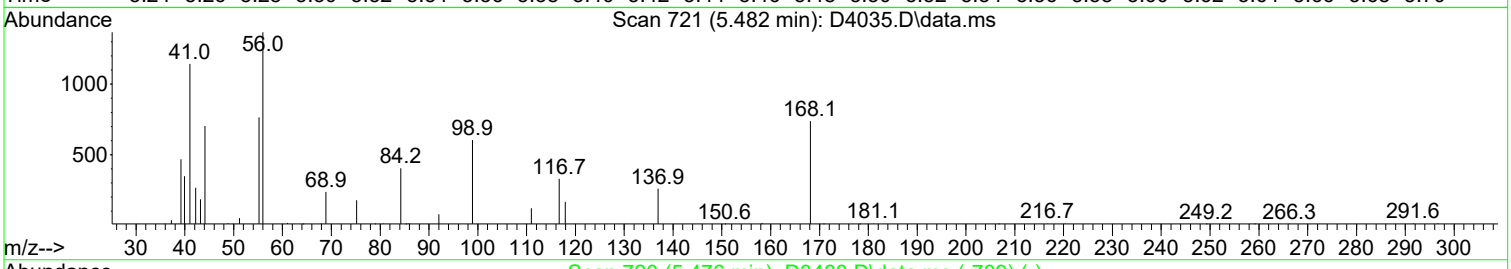
12/08/23

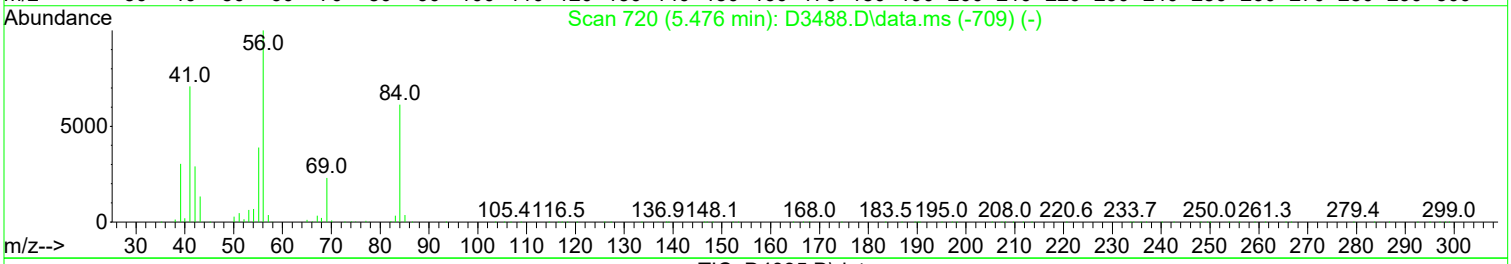
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\120823\
Data File : D4035.D
Acq On : 08 Dec 2023 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 08 12:44:17 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Sun Nov 12 10:06:26 2023
Response via : Initial Calibration







TIC: D4035.D\data.ms

(43) Cyclohexane (P)

5.482min (+ 0.006) 0.34 ug/L

response 1574

Ion	Exp%	Act%
41.10	100.00	100.00
39.10	43.00	41.03
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

12/08/23

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\120823\
Data File : D4035.D
Acq On : 08 Dec 2023 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD
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ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 08 12:44:17 2023
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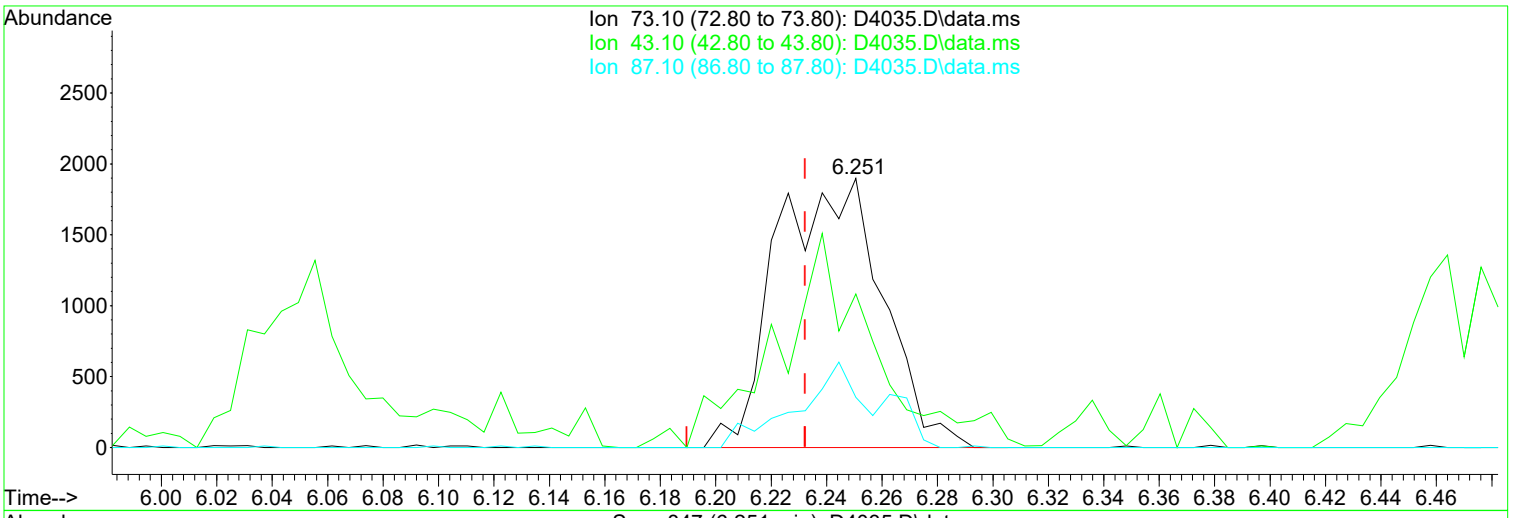
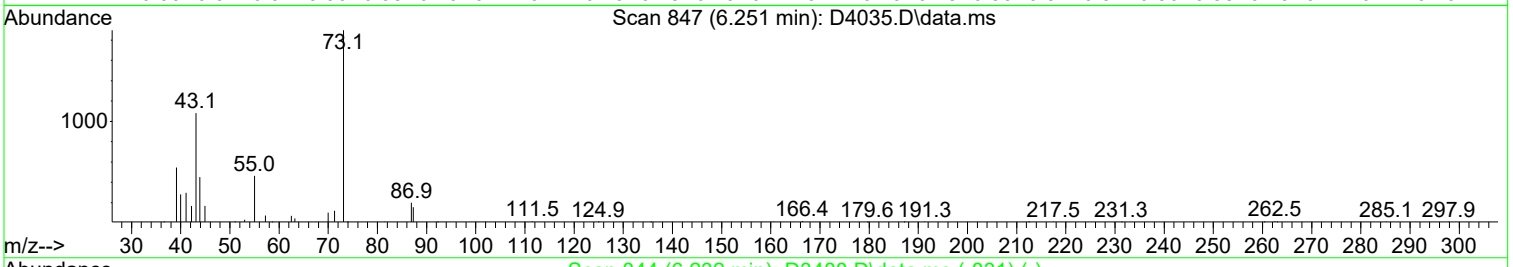
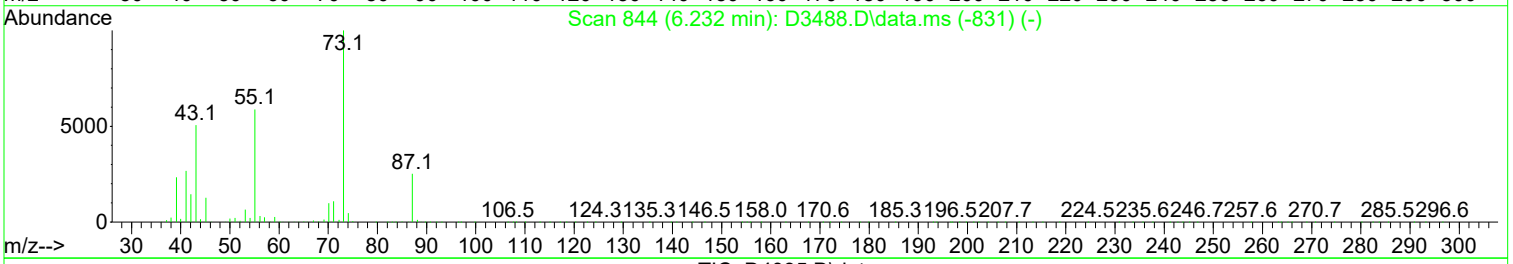
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Sun Nov 12 10:06:26 2023
Response via : Initial Calibration







TIC: D4035.D\data.ms

(51) TAME

6.251min (+ 0.018) 0.75 ug/L m

response 5070

Ion	Exp%	Act%
73.10	100.00	100.00
43.10	52.10	57.04
87.10	25.20	10.44
0.00	0.00	0.00

Manual Integration:

After

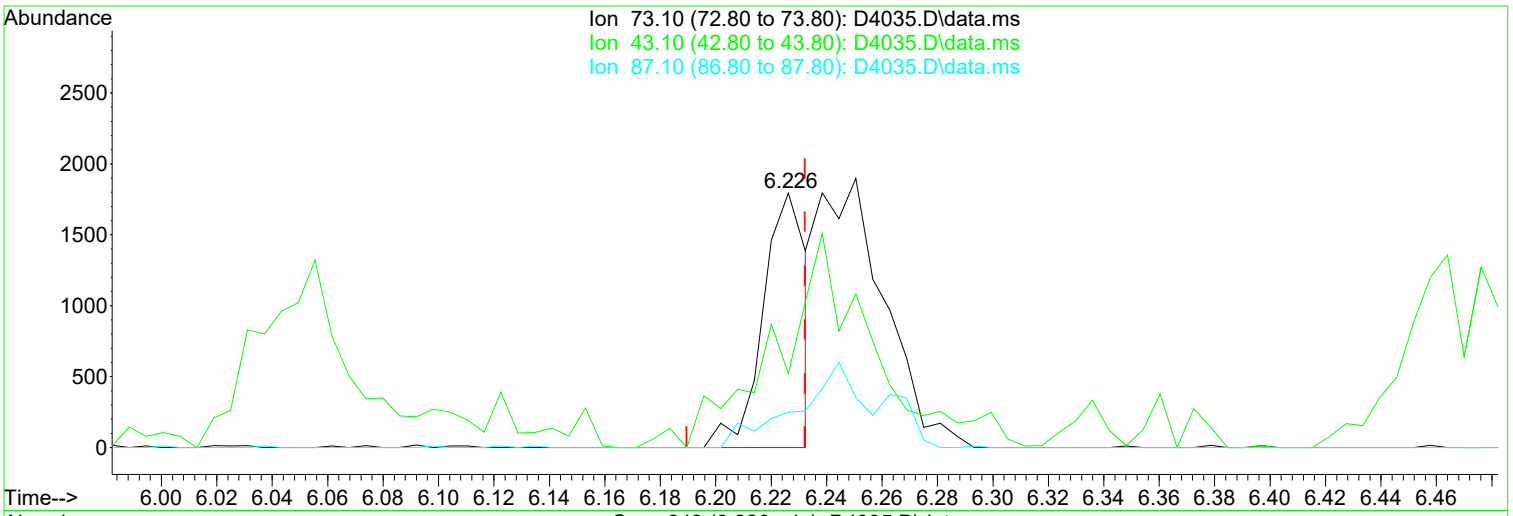
Poor integration.

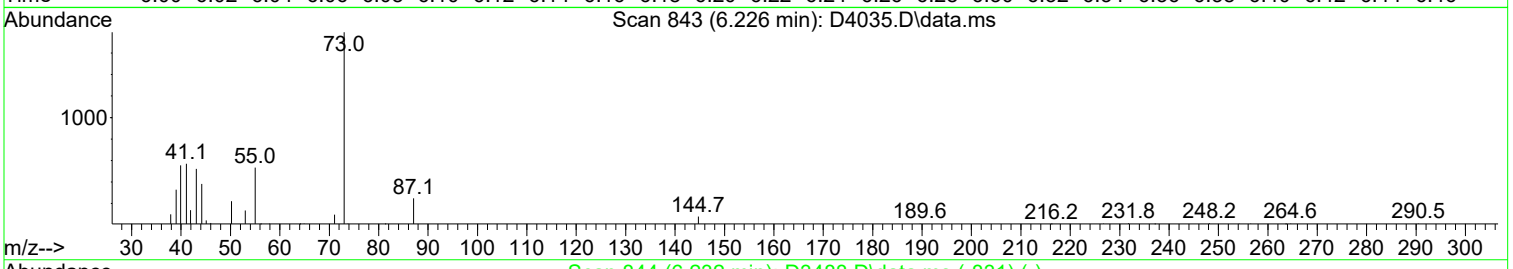
12/08/23

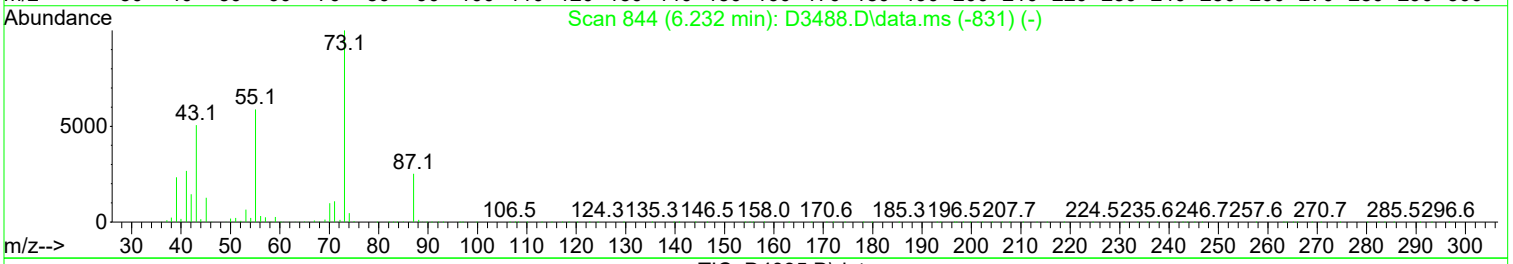
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\120823\
Data File : D4035.D
Acq On : 08 Dec 2023 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 08 12:44:17 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Sun Nov 12 10:06:26 2023
Response via : Initial Calibration







TIC: D4035.D\data.ms

(51) TAME

6.226min (-0.006) 0.29 ug/L

response 1966

Ion	Exp%	Act%
73.10	100.00	100.00
43.10	52.10	28.96#
87.10	25.20	13.68
0.00	0.00	0.00

Manual Integration:

Before

12/08/23

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\120823\
Data File : D4035.D
Acq On : 08 Dec 2023 11:07 am
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Sample : 0.5 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

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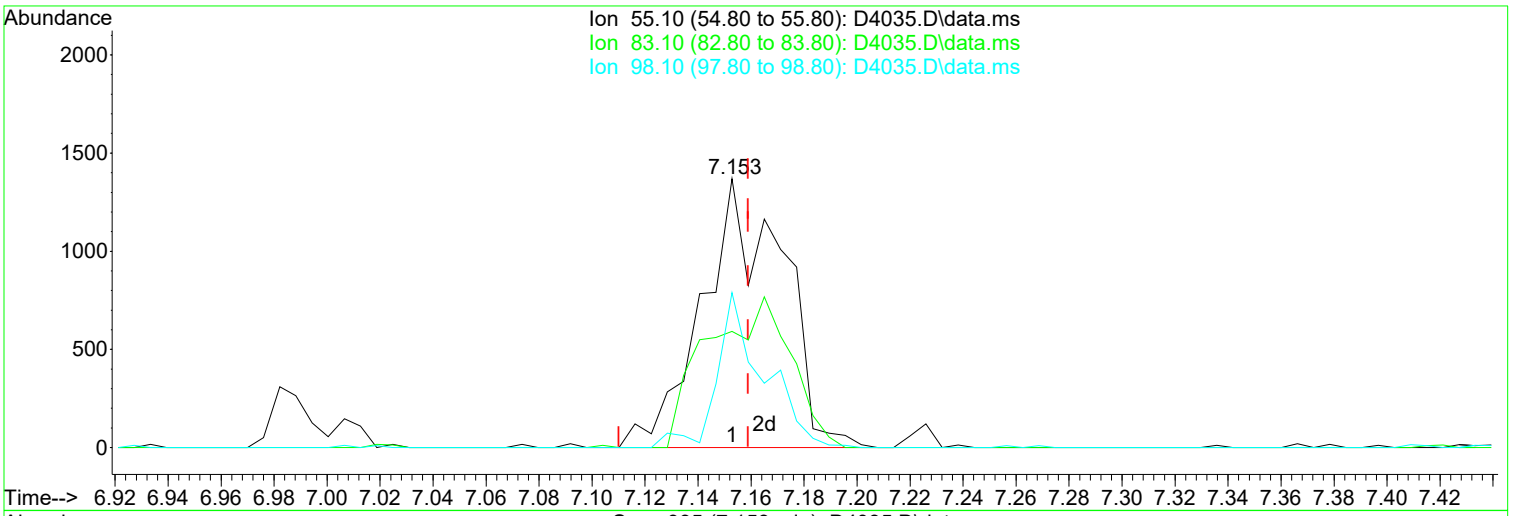
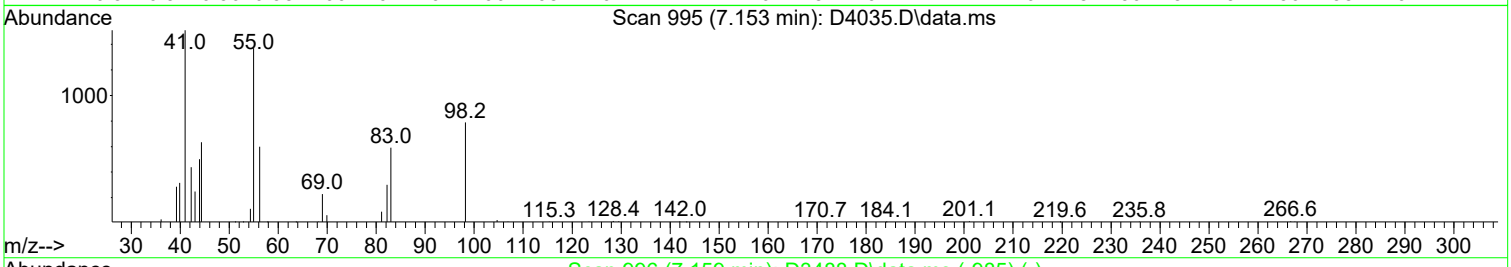
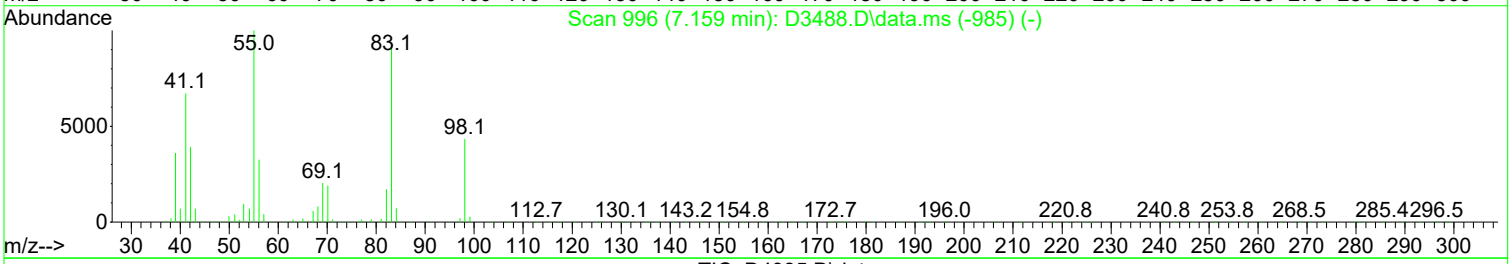
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Sun Nov 12 10:06:26 2023
Response via : Initial Calibration







TIC: D4035.D\data.ms

(55) Methylcyclohexane (P)

7.153min (-0.006) 0.58 ug/L m

response 2897

Ion	Exp%	Act%
55.10	100.00	100.00
83.10	92.00	43.14#
98.10	43.20	57.59
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

12/08/23

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\120823\
Data File : D4035.D
Acq On : 08 Dec 2023 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 08 12:44:17 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
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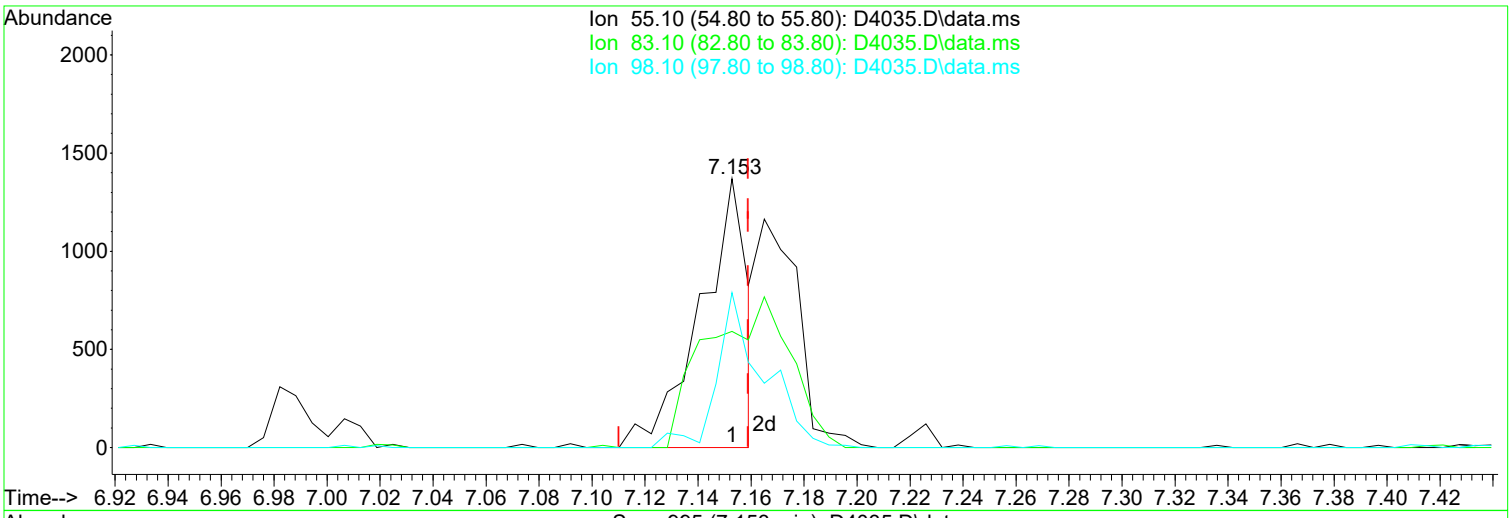
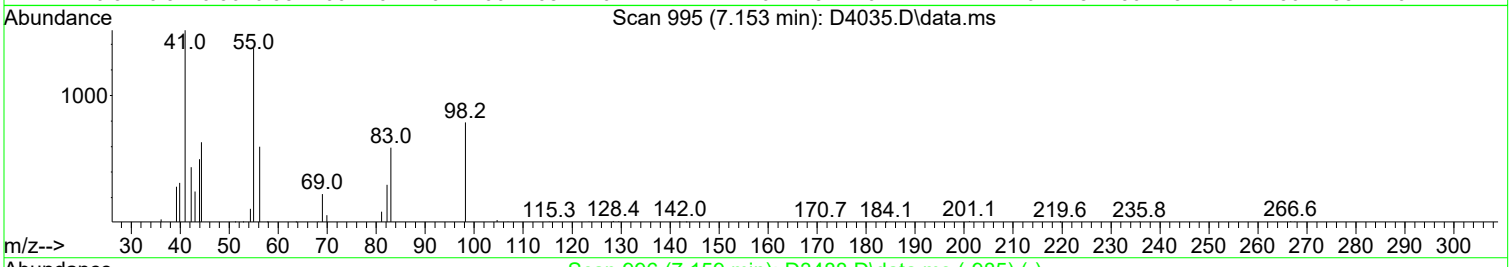
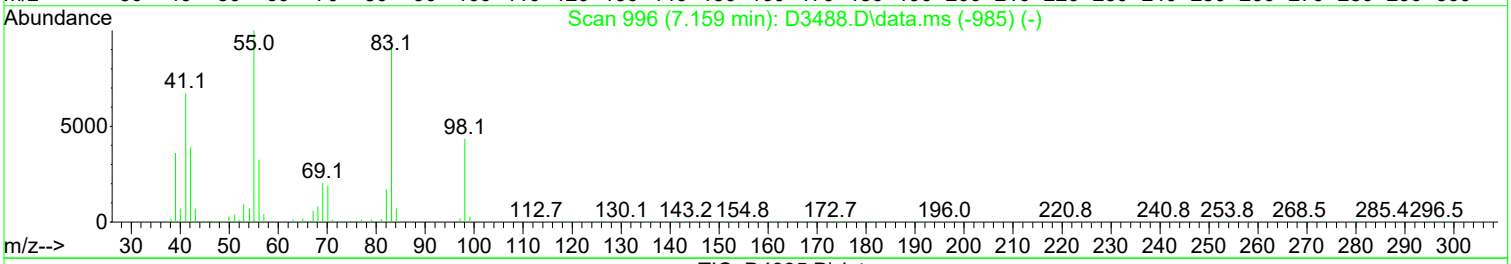
Response via : Initial Calibration







TIC: D4035.D\data.ms

(55) Methylcyclohexane (P)

7.153min (-0.006) 0.33 ug/L

response 1676

Ion	Exp%	Act%
55.10	100.00	100.00
83.10	92.00	43.14#
98.10	43.20	57.59
0.00	0.00	0.00

Manual Integration:

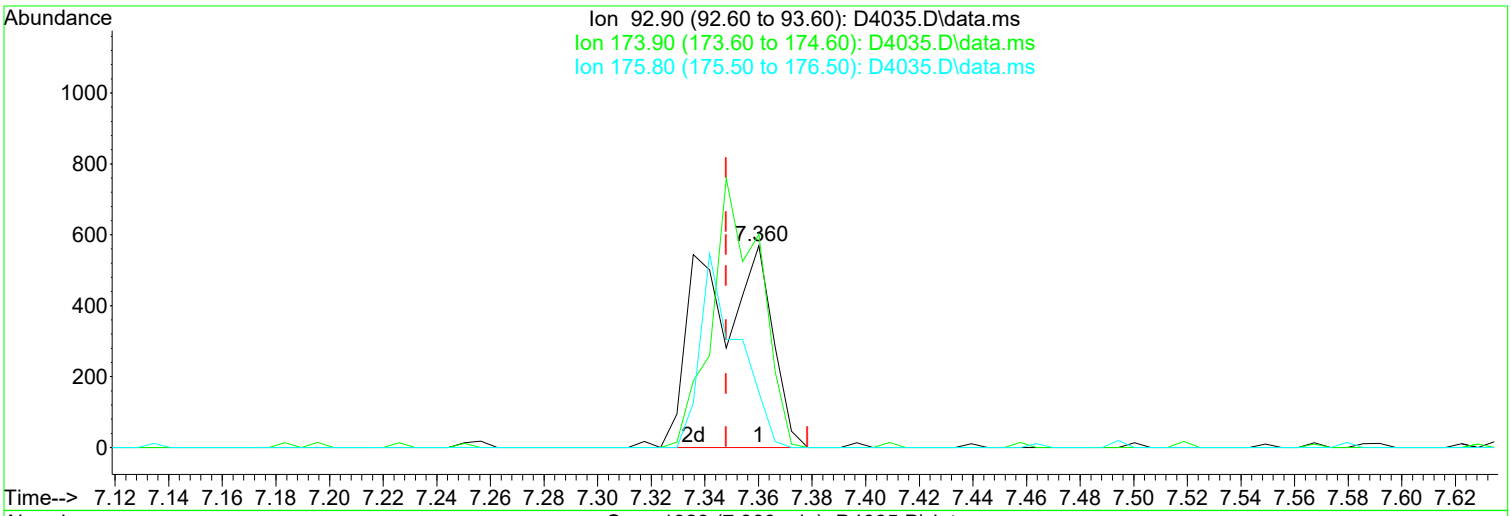
Before

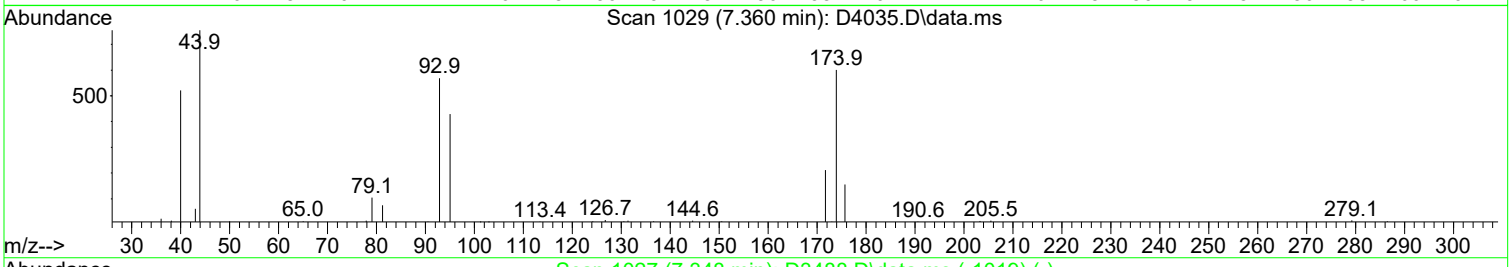
12/08/23

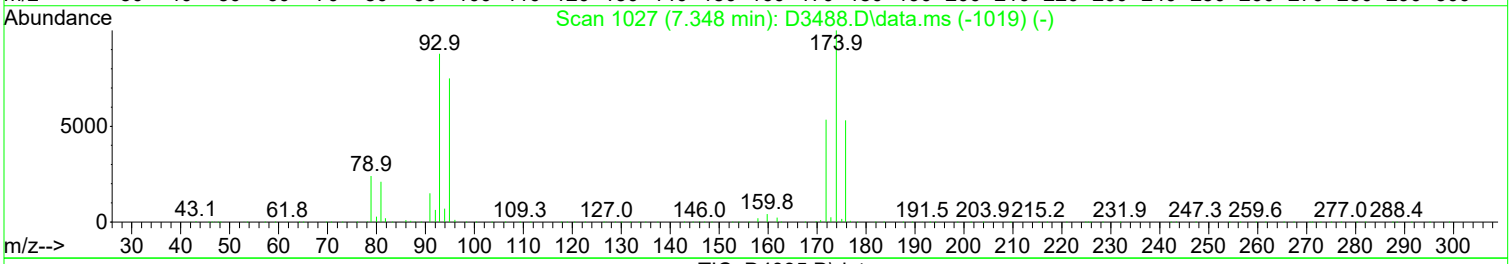
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\120823\
Data File : D4035.D
Acq On : 08 Dec 2023 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 08 12:44:17 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Sun Nov 12 10:06:26 2023
Response via : Initial Calibration







TIC: D4035.D\data.ms

(57) Dibromomethane

7.360min (+ 0.012) 0.49 ug/L m

response 1005

Ion	Exp%	Act%
92.90	100.00	100.00
173.90	113.90	105.62
175.80	60.40	27.42#
0.00	0.00	0.00

Manual Integration:

After

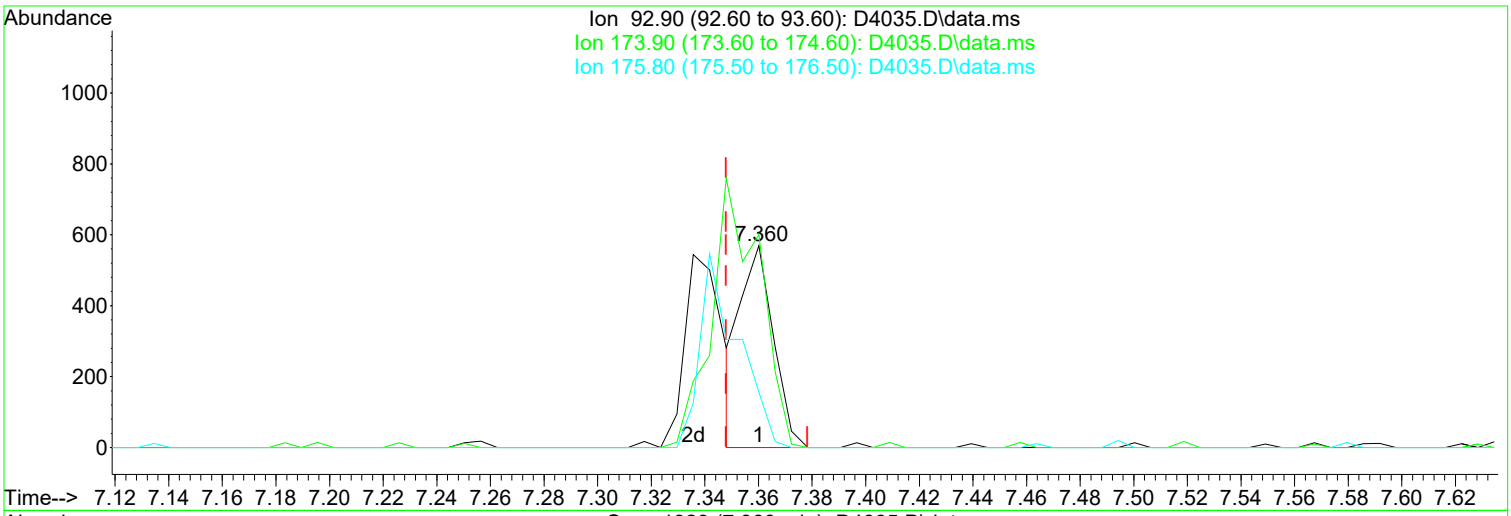
Poor integration.

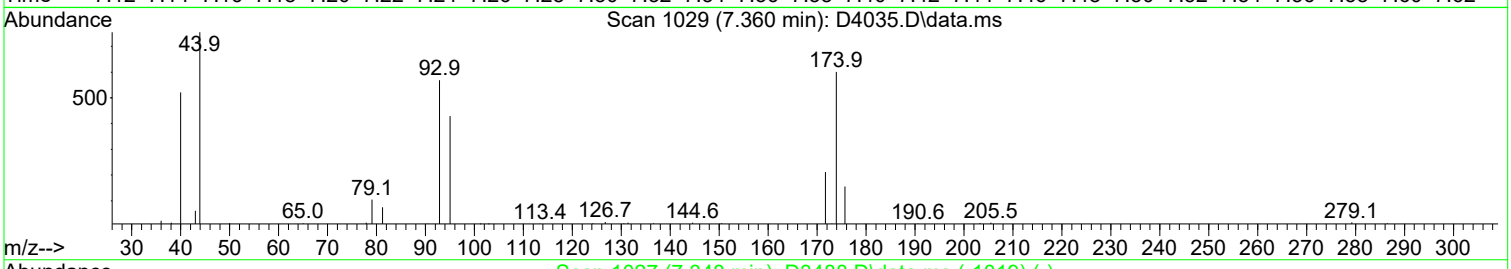
12/08/23

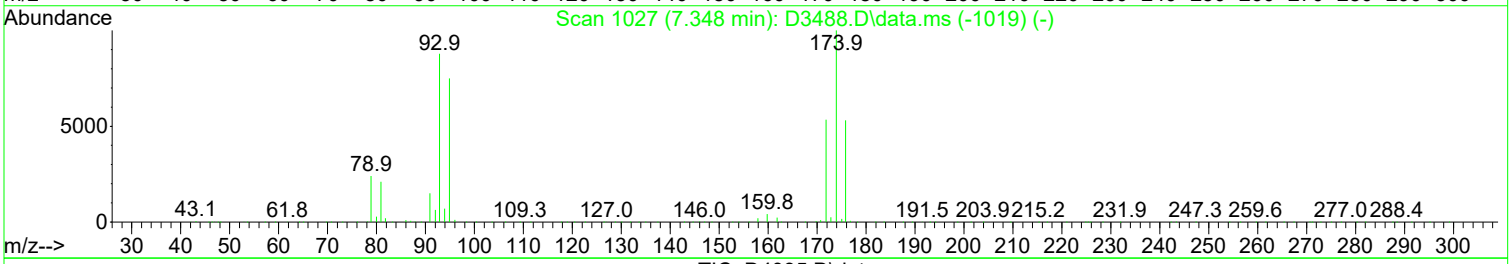
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\120823\
Data File : D4035.D
Acq On : 08 Dec 2023 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 08 12:44:17 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Sun Nov 12 10:06:26 2023
Response via : Initial Calibration







TIC: D4035.D\data.ms

(57) Dibromomethane

7.360min (+ 0.012) 0.23 ug/L

response 485

Ion	Exp%	Act%
92.90	100.00	100.00
173.90	113.90	105.62
175.80	60.40	27.42#
0.00	0.00	0.00

Manual Integration:

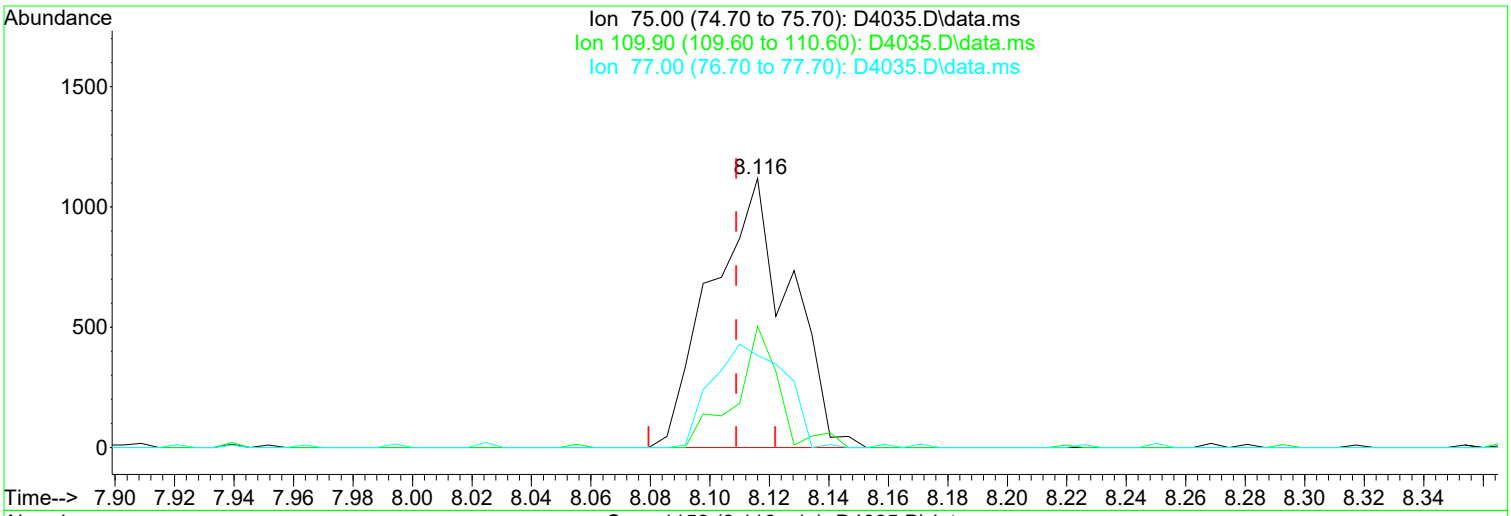
Before

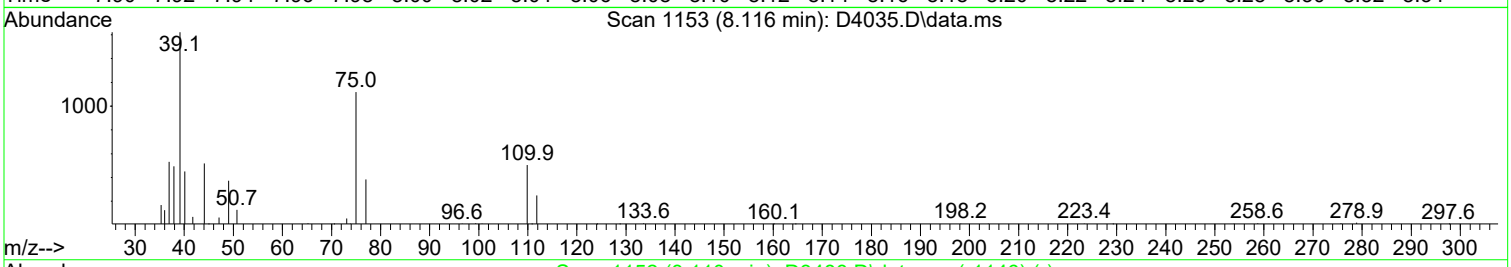
12/08/23

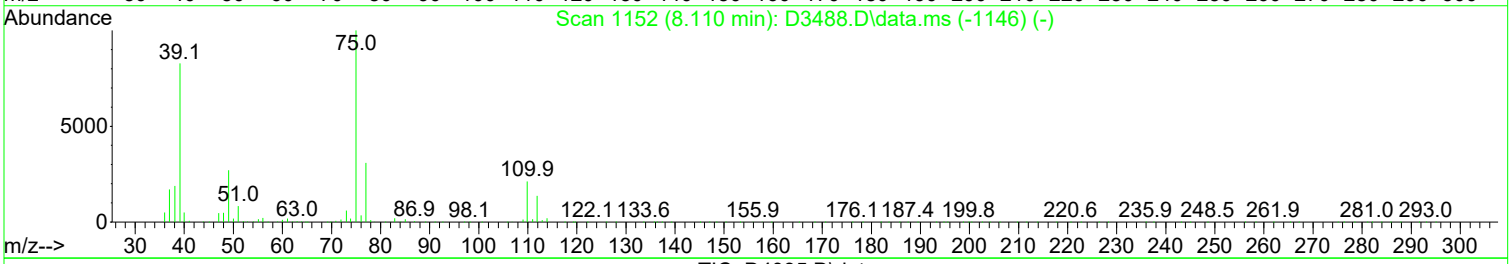
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\120823\
Data File : D4035.D
Acq On : 08 Dec 2023 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 08 12:44:17 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Sun Nov 12 10:06:26 2023
Response via : Initial Calibration







TIC: D4035.D\data.ms

(63) cis-1,3-Dichloropropene (P)

8.116min (+ 0.007) 0.50 ug/L m

response 2046

Ion	Exp%	Act%
75.00	100.00	100.00
109.90	21.20	45.08#
77.00	30.90	34.26
0.00	0.00	0.00

Manual Integration:

After

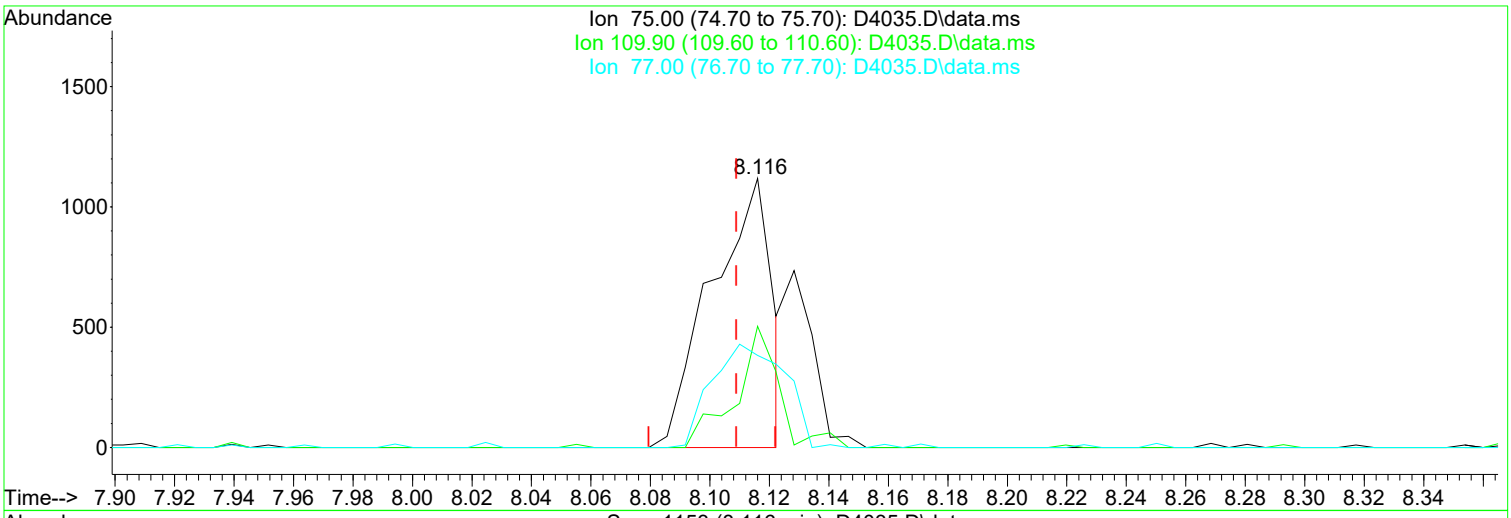
Poor integration.

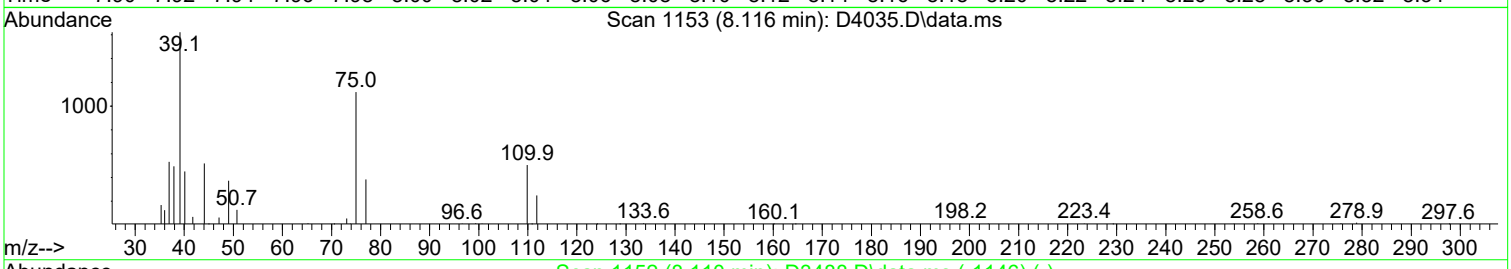
12/08/23

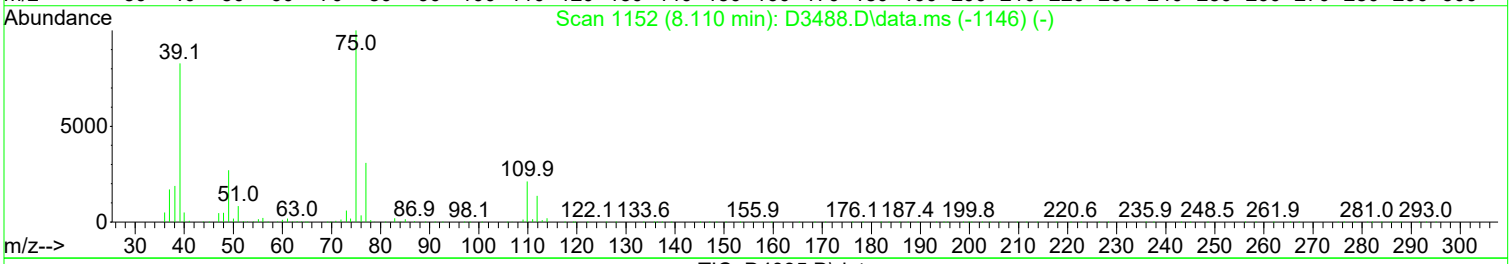
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\120823\
Data File : D4035.D
Acq On : 08 Dec 2023 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 08 12:44:17 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Sun Nov 12 10:06:26 2023
Response via : Initial Calibration







TIC: D4035.D\data.ms

(63) cis-1,3-Dichloropropene (P)

8.116min (+ 0.007) 0.38 ug/L

response 1574

Ion	Exp%	Act%
75.00	100.00	100.00
109.90	21.20	45.08#
77.00	30.90	34.26
0.00	0.00	0.00

Manual Integration:

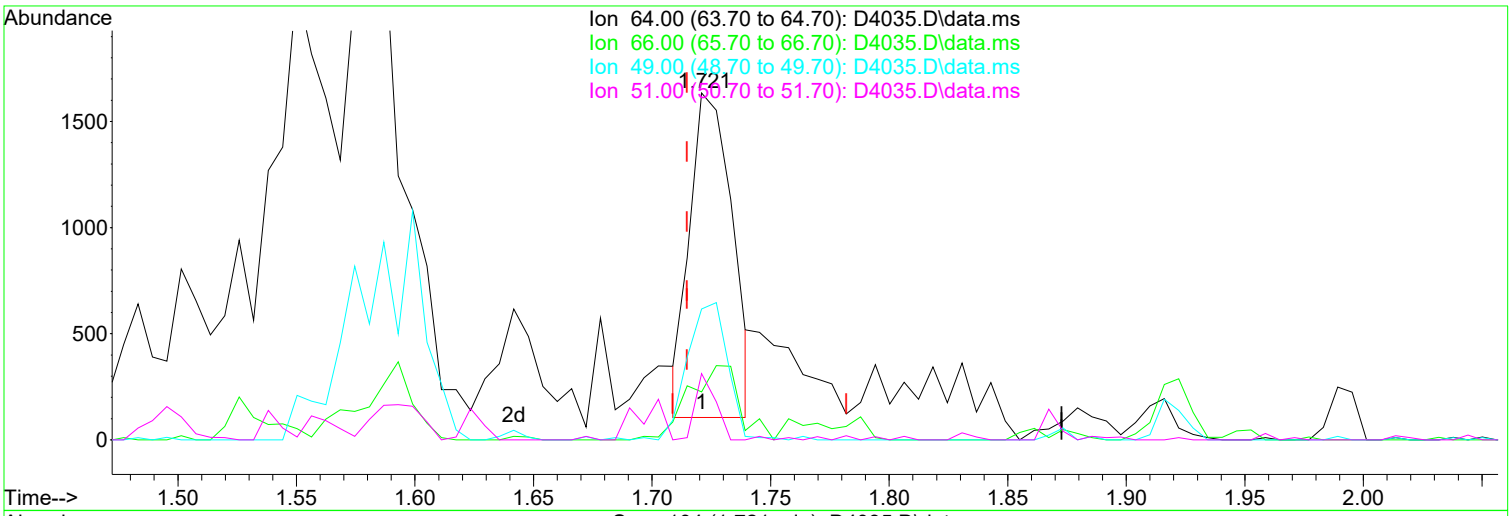
Before

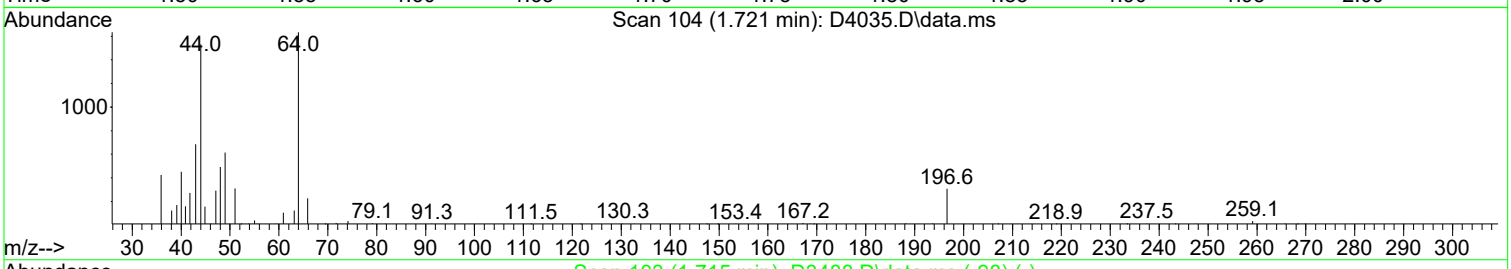
12/08/23

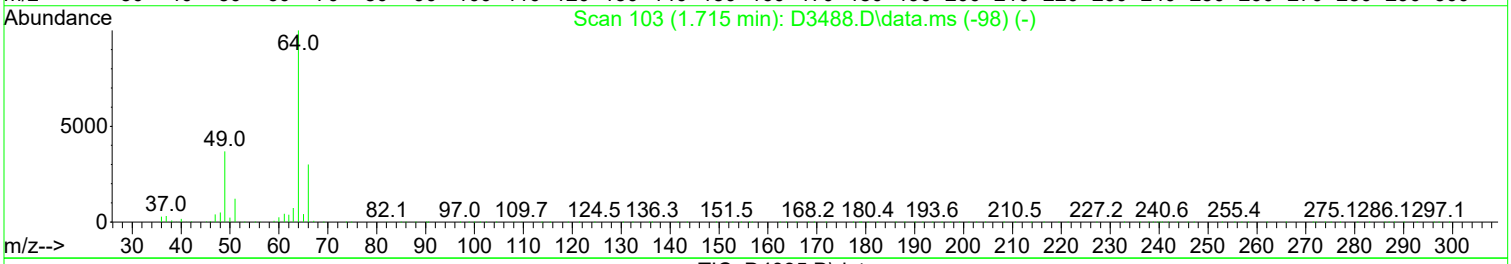
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\120823\
Data File : D4035.D
Acq On : 08 Dec 2023 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 08 12:44:17 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Sun Nov 12 10:06:26 2023
Response via : Initial Calibration







TIC: D4035.D\data.ms

(7) Chloroethane (P)

1.721min (+ 0.006) 0.65 ug/L m

response 1890

Ion	Exp%	Act%
64.00	100.00	100.00
66.00	30.00	13.83
49.00	36.90	37.70
51.00	12.20	19.09

Manual Integration:

After

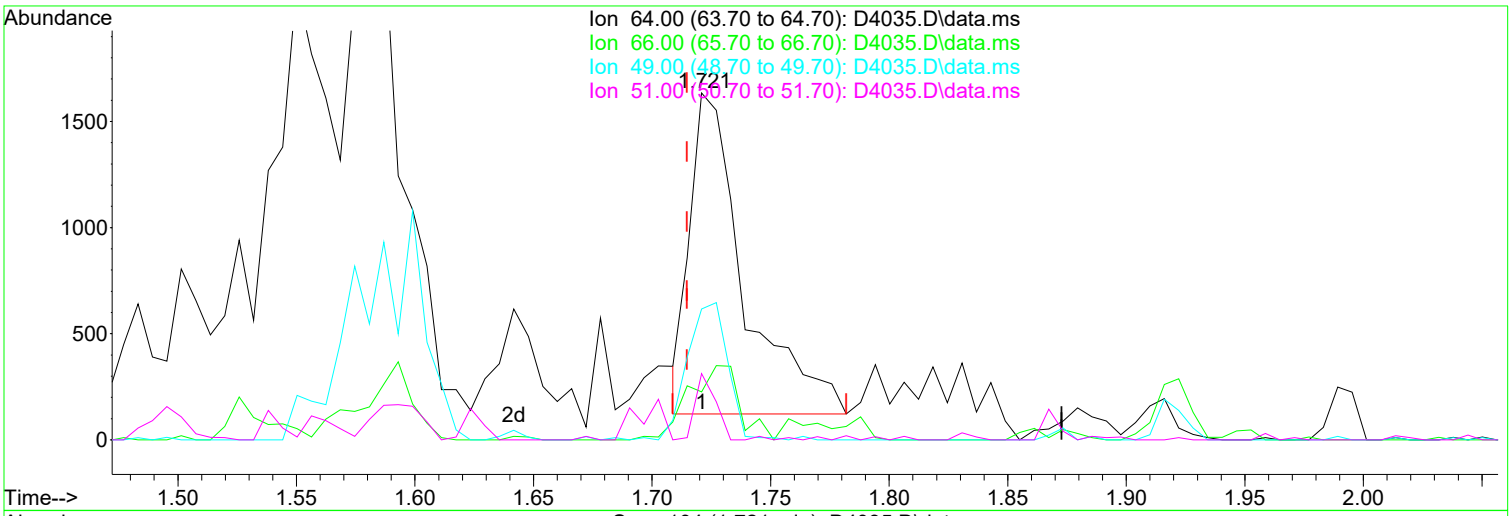
Poor integration.

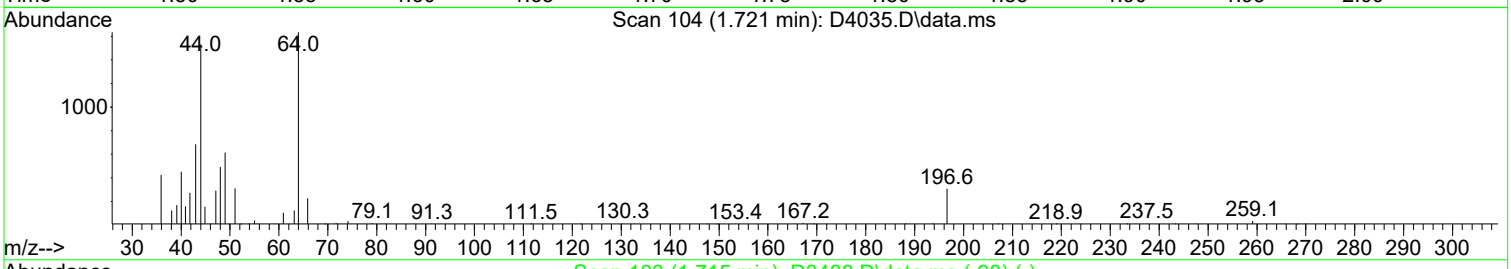
12/08/23

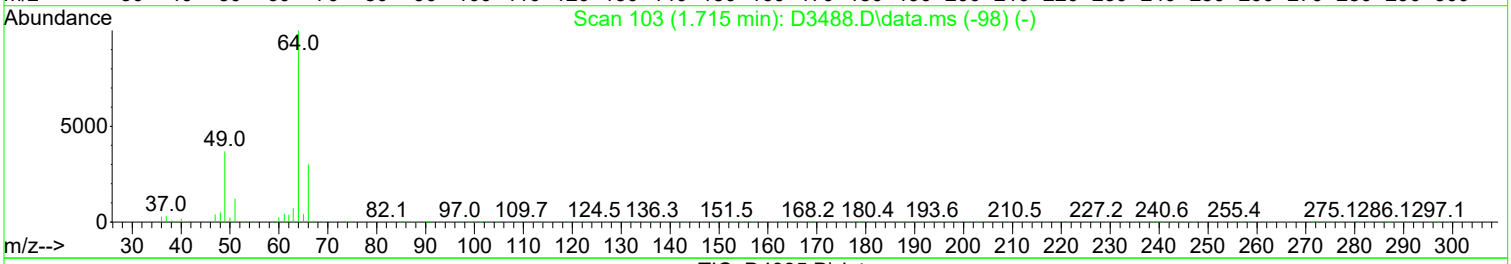
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\120823\
Data File : D4035.D
Acq On : 08 Dec 2023 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 08 12:44:17 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Sun Nov 12 10:06:26 2023
Response via : Initial Calibration







TIC: D4035.D\data.ms

(7) Chloroethane (P)

1.721min (+ 0.006) 0.83 ug/L

response 2413

Ion	Exp%	Act%
64.00	100.00	100.00
66.00	30.00	13.83
49.00	36.90	37.70
51.00	12.20	19.09

Manual Integration:

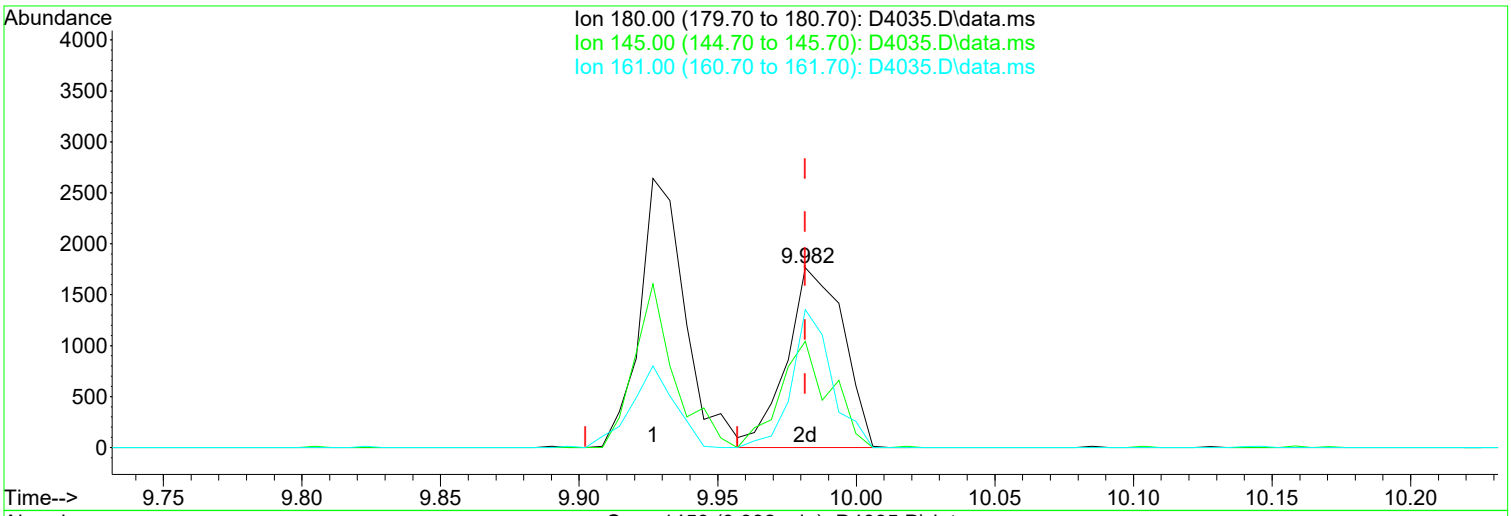
Before

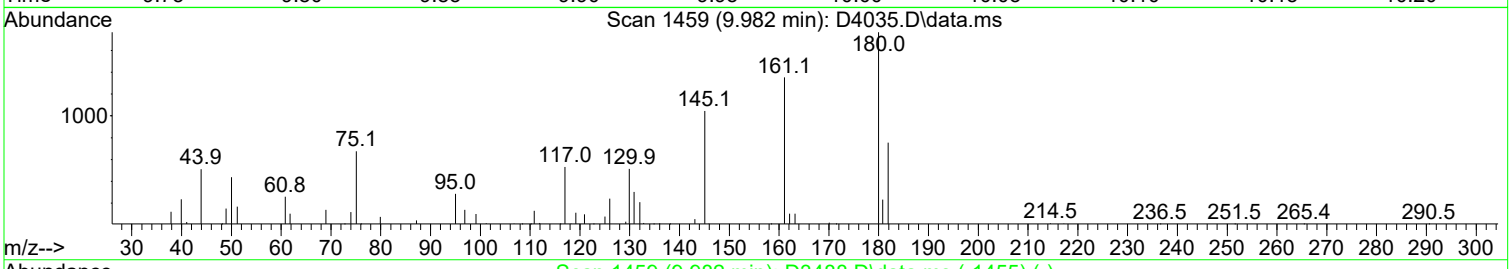
12/08/23

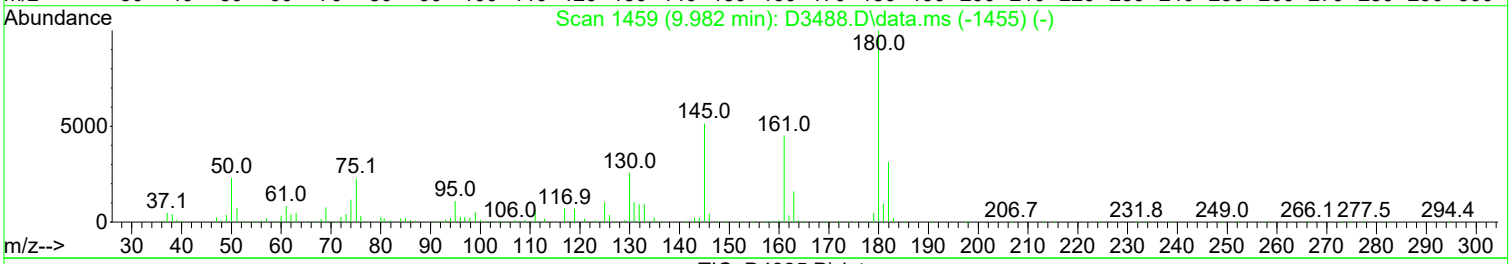
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\120823\
Data File : D4035.D
Acq On : 08 Dec 2023 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 08 12:44:17 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Sun Nov 12 10:06:26 2023
Response via : Initial Calibration







TIC: D4035.D\data.ms

(80) 4-Chlorobenzotrifluoride

9.982min (+ 0.000) 0.58 ug/L m

response 2499

Ion	Exp%	Act%
180.00	100.00	100.00
145.00	51.60	59.12
161.00	45.30	76.56#
0.00	0.00	0.00

Manual Integration:

After

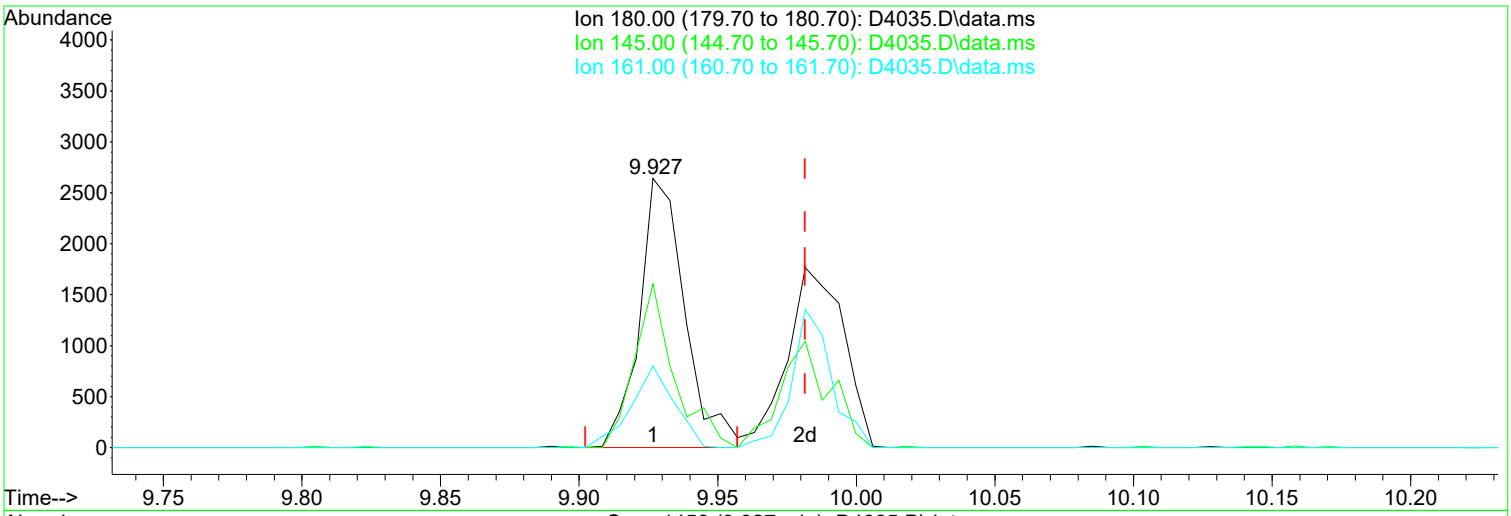
Wrong peak selected.

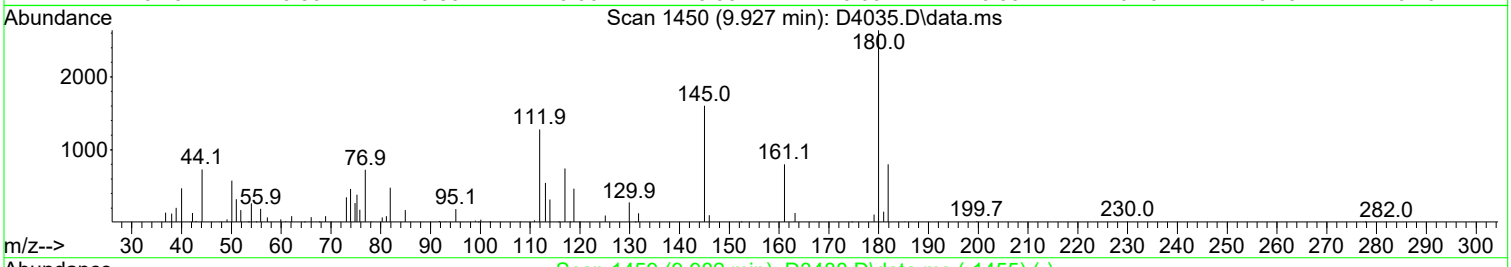
12/08/23

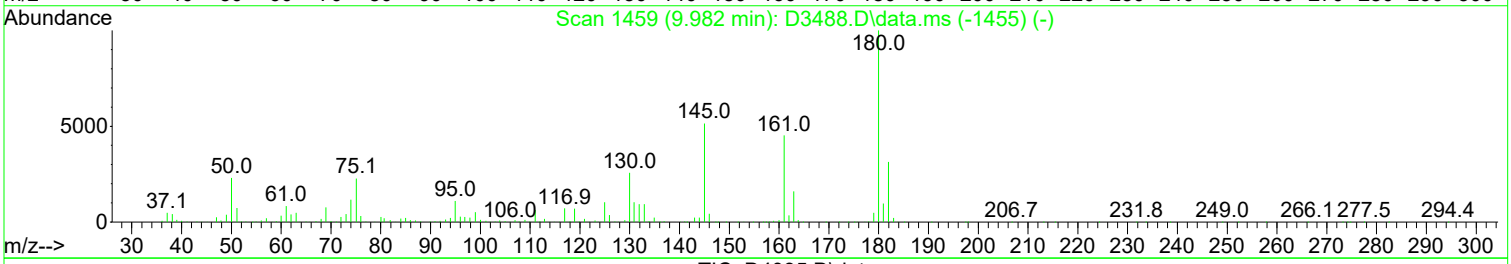
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\120823\
Data File : D4035.D
Acq On : 08 Dec 2023 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 08 12:44:17 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Sun Nov 12 10:06:26 2023
Response via : Initial Calibration







TIC: D4035.D\data.ms

(80) 4-Chlorobenzotrifluoride

9.927min (-0.055) 0.70 ug/L

response 3003

Ion	Exp%	Act%
180.00	100.00	100.00
145.00	51.60	60.83
161.00	45.30	30.38
0.00	0.00	0.00

Manual Integration:

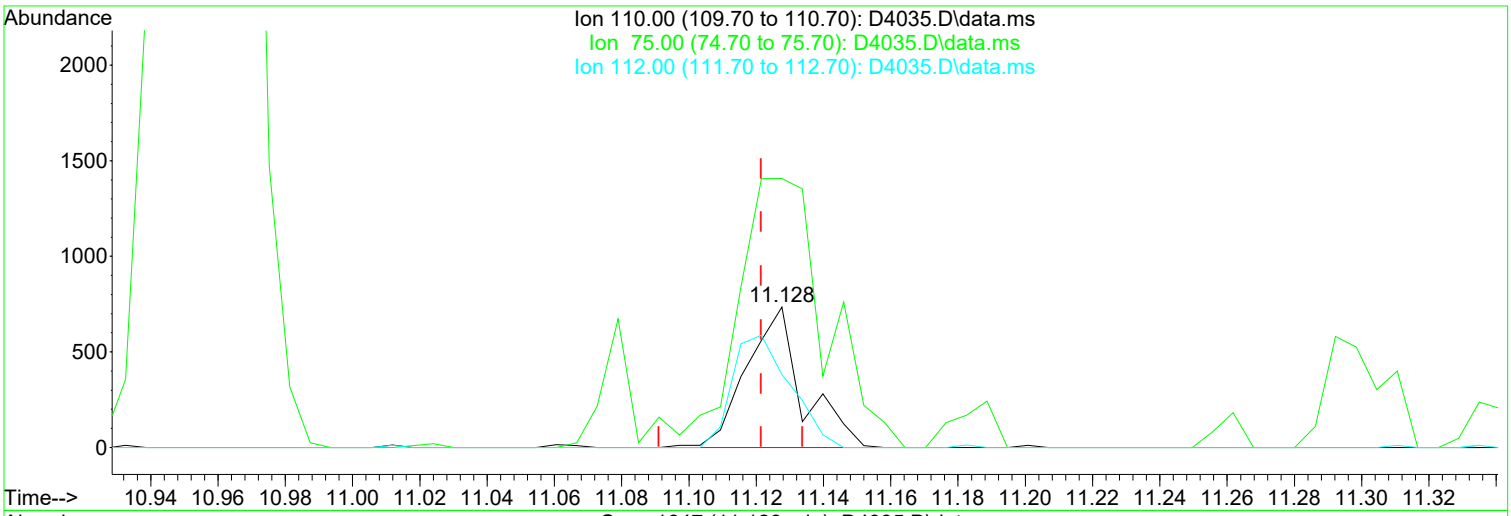
Before

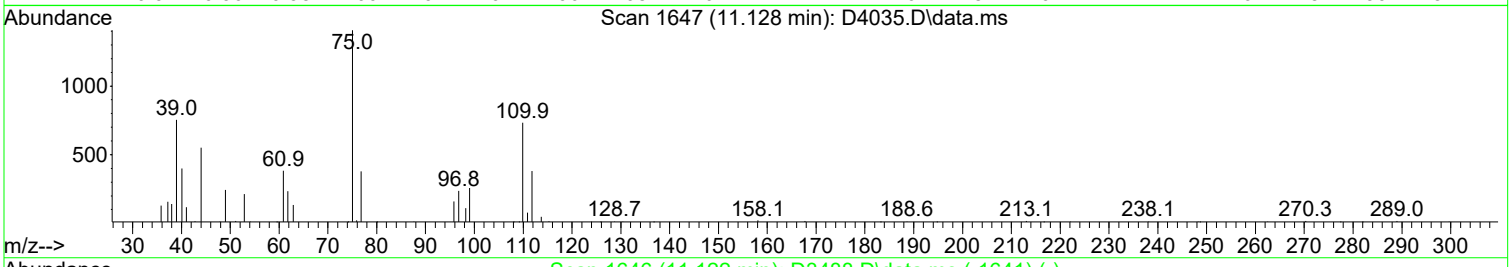
12/08/23

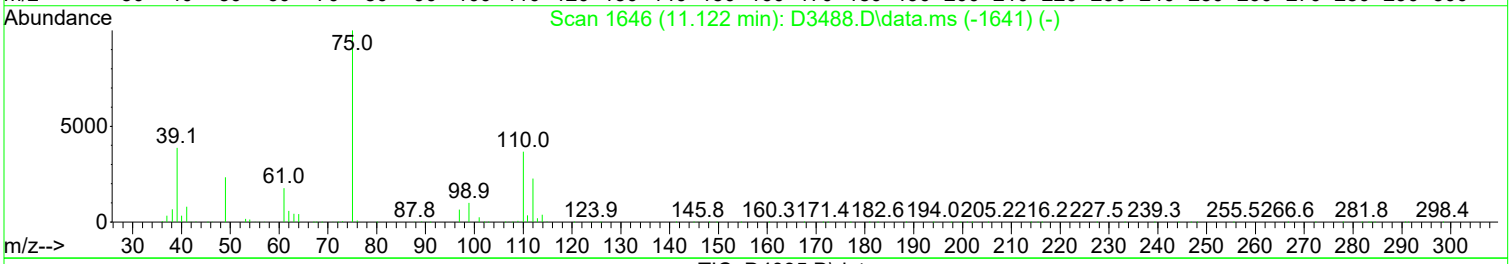
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\120823\
Data File : D4035.D
Acq On : 08 Dec 2023 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 08 12:44:17 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Sun Nov 12 10:06:26 2023
Response via : Initial Calibration







TIC: D4035.D\data.ms

(94) 1,2,3-Trichloropropane

11.128min (+ 0.006) 0.61 ug/L m

response 853

Ion	Exp%	Act%
110.00	100.00	100.00
75.00	284.90	191.69#
112.00	61.70	51.91
0.00	0.00	0.00

Manual Integration:

After

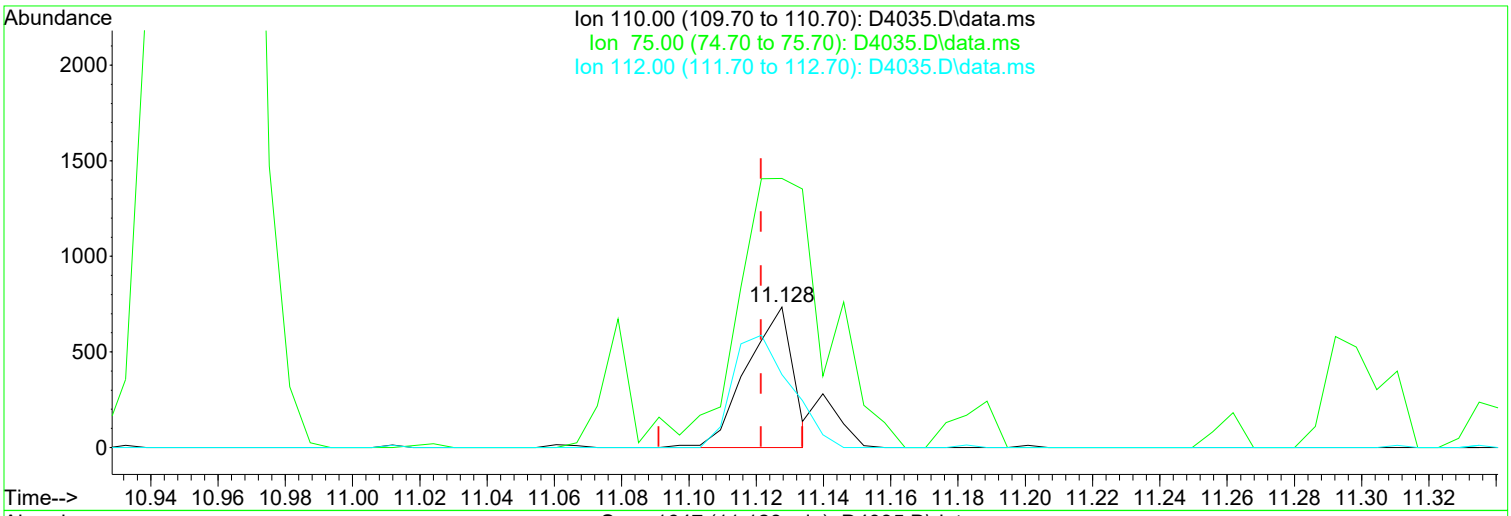
Poor integration.

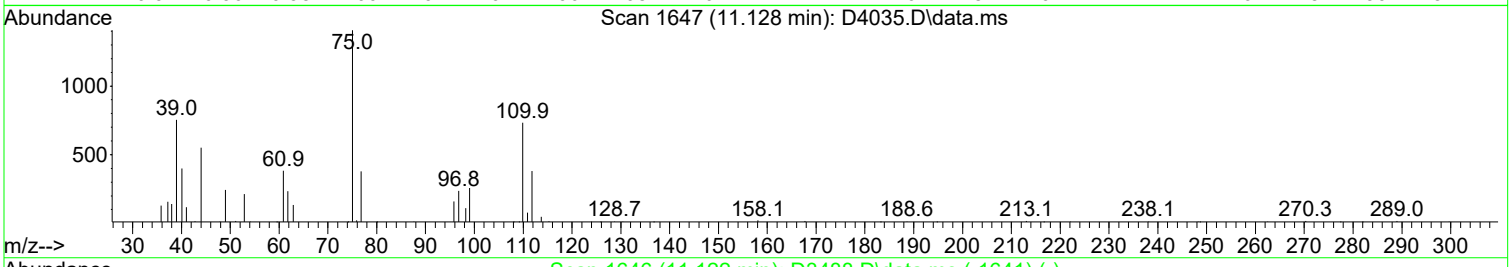
12/08/23

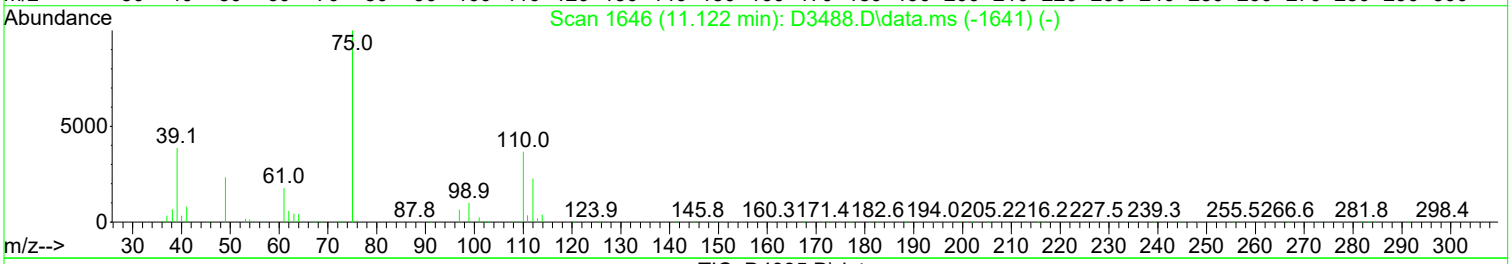
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\120823\
Data File : D4035.D
Acq On : 08 Dec 2023 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 08 12:44:17 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Sun Nov 12 10:06:26 2023
Response via : Initial Calibration







TIC: D4035.D\data.ms

(94) 1,2,3-Trichloropropane

11.128min (+ 0.006) 0.50 ug/L

response 701

Ion	Exp%	Act%
110.00	100.00	100.00
75.00	284.90	191.69#
112.00	61.70	51.91
0.00	0.00	0.00

Manual Integration:

Before

12/08/23

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\120823\
Data File : D4035.D
Acq On : 08 Dec 2023 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 08 12:44:17 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Sun Nov 12 10:06:26 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.537	168	374245	50.00	ug/L		0.00
42) 1,4-Difluorobenzene	6.604	114	483521	50.00	ug/L		0.00
71) d5-Chlorobenzene	9.890	117	449080	50.00	ug/L		0.00
91) 1,4-Dichlorobenzene-d4	11.926	152	235907	50.00	ug/L		0.00
System Monitoring Compounds							
44) surr4,Dibrflmethane	5.391	113	35908	12.32	ug/L		0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 24.64%#				
47) surr1,1,2-dichloroetha...	5.921	65	50753	13.42	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 26.84%#				
65) SURR3,Toluene-d8	8.409	98	135185	11.93	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 23.86%#				
70) SURR2,BFB	10.957	95	50191	11.53	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 23.06%#				
Target Compounds							Qvalue
2) Chlorodifluoromethane	1.203	51	2129	0.390	ug/L		59
3) Dichlorodifluoromethane	1.191	85	1965	0.693	ug/L		94
4) Chloromethane	1.331	50	3589	0.650	ug/L		85
5) Vinyl Chloride	1.404	62	2002	0.493	ug/L	#	11
6) Bromomethane	1.642	94	1306	0.627	ug/L		95
7) Chloroethane	1.721	64	1890m	0.649	ug/L		
8) Freon 21	1.879	67	2405	0.389	ug/L		90
9) Trichlorofluoromethane	1.922	101	2106	0.465	ug/L		86
10) Diethyl Ether	2.160	59	1875	0.517	ug/L	#	74
11) Freon 123a	2.172	67	1806	0.467	ug/L	#	56
12) Freon 123	2.221	83	2235	0.536	ug/L	#	77
13) Acrolein	2.270	56	2951	3.408	ug/L		95
14) 1,1-Diclethene	2.367	96	1195	0.468	ug/L	#	41
15) Freon 113	2.355	101	1640m	0.581	ug/L		
16) Acetone	2.416	43	3089	1.163	ug/L		86
17) 2-Propanol	2.556	45	4957	12.979	ug/L		98
19) Carbon Disulfide	2.562	76	3943	0.454	ug/L		93
20) Acetonitrile	2.684	41	2070m	2.347	ug/L		
21) Allyl Chloride	2.715	76	783m	0.497	ug/L		
22) Methyl Acetate	2.733	43	4685	0.652	ug/L		82
23) Methylene Chloride	2.824	84	1620	0.520	ug/L	#	81
24) TBA	2.977	59	5514	11.902	ug/L		97
25) Acrylonitrile	3.099	53	5400	2.336	ug/L		99
26) Methyl-t-Butyl Ether	3.141	73	4978	0.553	ug/L		90
27) trans-1,2-Dichloroethene	3.129	96	1342	0.465	ug/L	#	47
28) 1,1-Diclethane	3.647	63	2796m	0.444	ug/L		
30) DIPE	3.769	45	8279	0.471	ug/L	#	75
31) 2-Chloro-1,3-Butadiene	3.775	53	3859m	0.559	ug/L		
32) ETBE	4.324	59	6070	0.661	ug/L		93
33) 2,2-Dichloropropane	4.501	77	2485	0.949	ug/L		81
34) cis-1,2-Dichloroethene	4.525	96	1991	0.581	ug/L	#	23
35) 2-Butanone	4.629	43	2877	0.790	ug/L		88
36) Propionitrile	4.696	54	2344	2.580	ug/L		96
37) Bromochloromethane	4.934	130	1051m	0.456	ug/L		
38) Methacrylonitrile	4.952	67	582	0.328	ug/L	#	32
39) Tetrahydrofuran	5.098	42	1912	0.831	ug/L		85
40) Chloroform	5.123	83	2665m	0.489	ug/L		
41) 1,1,1-Trichloroethane	5.391	97	2302m	0.597	ug/L		
43) Cyclohexane	5.482	41	2465m	0.535	ug/L		

1st FNJ 12/08/23
2nd WR 12/13/23

Data Path : I:\ACQUDATA\msvoa10\data\120823\
Data File : D4035.D
Acq On : 08 Dec 2023 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 08 12:44:17 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Sun Nov 12 10:06:26 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
45) Carbontetrachloride	5.671	117	1767	0.573 ug/L	#	73
46) 1,1-Dichloropropene	5.678	75	2488	0.671 ug/L		69
48) Benzene	6.001	78	5829	0.517 ug/L		88
49) 1,2-Dichloroethane	6.031	62	2909	0.589 ug/L	#	68
50) Iso-Butyl Alcohol	6.055	43	3163	12.368 ug/L	#	44
51) TAME	6.251	73	5070m	0.745 ug/L		
52) n-Heptane	6.464	43	3016	0.571 ug/L		81
53) 1-Butanol	6.988	56	3248	28.242 ug/L	#	55
54) Trichloroethene	6.921	130	1564	0.488 ug/L		90
55) Methylcyclohexane	7.153	55	2897m	0.577 ug/L		
56) 1,2-Diclpropane	7.214	63	1466	0.410 ug/L	#	53
57) Dibromomethane	7.360	93	1005m	0.486 ug/L		
58) 1,4-Dioxane	7.445	88	441	7.608 ug/L	#	49
59) Methyl Methacrylate	7.439	69	1257	0.511 ug/L	#	42
60) Bromodichloromethane	7.573	83	1936	0.501 ug/L		89
61) 2-Nitropropane	7.854	41	1568	1.262 ug/L	#	42
62) 2-Chloroethylvinyl Ether	7.982	63	889	0.400 ug/L		84
63) cis-1,3-Dichloropropene	8.116	75	2046m	0.498 ug/L		
64) 4-Methyl-2-pentanone	8.329	43	3632	0.548 ug/L		97
66) Toluene	8.482	91	6791	0.538 ug/L		99
67) trans-1,3-Dichloropropene	8.750	75	2043	0.620 ug/L		73
68) Ethyl Methacrylate	8.884	69	1993	0.466 ug/L		92
69) 1,1,2-Trichloroethane	8.939	97	1479	0.496 ug/L	#	63
72) Tetrachloroethene	9.067	164	1200	0.457 ug/L	#	68
73) 2-Hexanone	9.232	43	2657	0.562 ug/L		77
74) 1,3-Dichloropropane	9.098	76	3076	0.621 ug/L	#	62
75) Dibromochloromethane	9.329	129	2081	0.644 ug/L		84
76) N-Butyl Acetate	9.384	43	5233	0.609 ug/L		95
77) 1,2-Dibromoethane	9.433	107	1382	0.481 ug/L	#	51
78) 3-Chlorobenzotrifluoride	9.927	180	3003	0.629 ug/L		98
79) Chlorobenzene	9.908	112	4770	0.580 ug/L		95
80) 4-Chlorobenzotrifluoride	9.982	180	2499m	0.582 ug/L		
81) 1,1,1,2-Tetrachloroethane	10.000	131	1783	0.669 ug/L	#	71
82) Ethylbenzene	10.036	106	2219	0.510 ug/L	#	61
83) (m+p)Xylene	10.140	106	5544	1.014 ug/L		92
84) o-Xylene	10.494	106	3286	0.610 ug/L	#	48
85) Styrene	10.512	104	4835	0.525 ug/L		80
86) Bromoform	10.670	173	1113	0.498 ug/L		91
87) 2-Chlorobenzotrifluoride	10.744	180	2977	0.630 ug/L		94
88) Isopropylbenzene	10.835	105	6609	0.495 ug/L		96
89) Cyclohexanone	10.902	55	8984	10.246 ug/L		90
90) trans-1,4-Dichloro-2-B...	11.140	53	894	0.615 ug/L	#	74
92) 1,1,2,2-Tetrachloroethane	11.091	83	2524	0.615 ug/L	#	87
93) Bromobenzene	11.079	156	1970	0.479 ug/L	#	78
94) 1,2,3-Trichloropropane	11.128	110	853m	0.606 ug/L		
95) n-Propylbenzene	11.189	91	7251	0.469 ug/L		81
96) 2-Chlorotoluene	11.250	91	4746	0.494 ug/L		97
97) 3-Chlorotoluene	11.304	91	4233	0.449 ug/L		81
98) 4-Chlorotoluene	11.347	91	5269	0.480 ug/L		96
99) 1,3,5-Trimethylbenzene	11.335	105	5518	0.477 ug/L		97
100) tert-Butylbenzene	11.609	119	4741	0.470 ug/L		86
101) 1,2,4-Trimethylbenzene	11.646	105	6289	0.536 ug/L		88
102) 3,4-Dichlorobenzotrifl...	11.707	214	2312	0.619 ug/L		90
103) sec-Butylbenzene	11.792	105	6188	0.456 ug/L		94
104) p-Isopropyltoluene	11.908	119	5841	0.479 ug/L		94
105) 1,3-Dclbenz	11.878	146	3514	0.481 ug/L		89

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\120823\
Data File : D4035.D
Acq On : 08 Dec 2023 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 08 12:44:17 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Sun Nov 12 10:06:26 2023
Response via : Initial Calibration

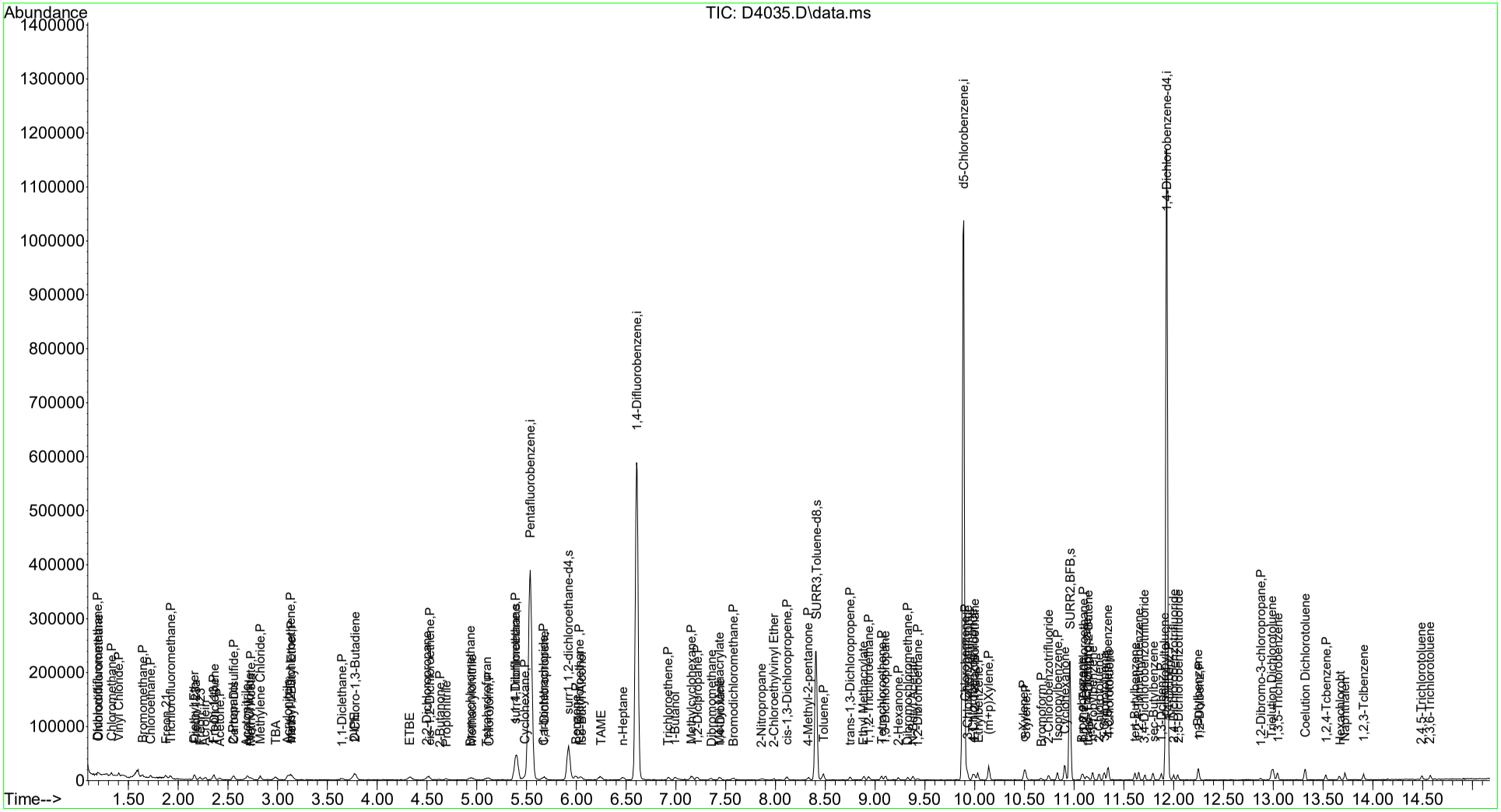
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
106) 1,4-Dclbenz	11.951	146	4650	0.626	ug/L		83
107) 2,4-Dichlorobenzotrifl...	11.999	214	2147	0.593	ug/L		88
108) 2,5-Dichlorobenzotrifl...	12.042	214	2446	0.608	ug/L		96
109) n-Butylbenzene	12.243	91	4426	0.431	ug/L		84
110) 1,2-Dclbenz	12.255	146	3755	0.521	ug/L		85
111) 1,2-Dibromo-3-chloropr...	12.877	157	886	0.897	ug/L	#	73
112) Trielution Dichlorotol...	12.987	125	8778	1.537	ug/L		91
113) 1,3,5-Trichlorobenzene	13.048	180	3136	0.562	ug/L		84
114) Coelution Dichlorotoluene	13.322	125	6359	0.995	ug/L		96
115) 1,2,4-Tcbenzene	13.530	180	2668	0.489	ug/L		94
116) Hexachlorobt	13.670	225	1182	0.505	ug/L	#	77
117) Naphthalen	13.719	128	6708	0.454	ug/L		88
118) 1,2,3-Tclbenzene	13.908	180	3160	0.580	ug/L		91
119) 2,4,5-Trichlorotoluene	14.487	159	2069	0.630	ug/L	#	69
120) 2,3,6-Trichlorotoluene	14.572	159	1463	0.498	ug/L	#	73

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\120823\
Data File : D4035.D
Acq On : 08 Dec 2023 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

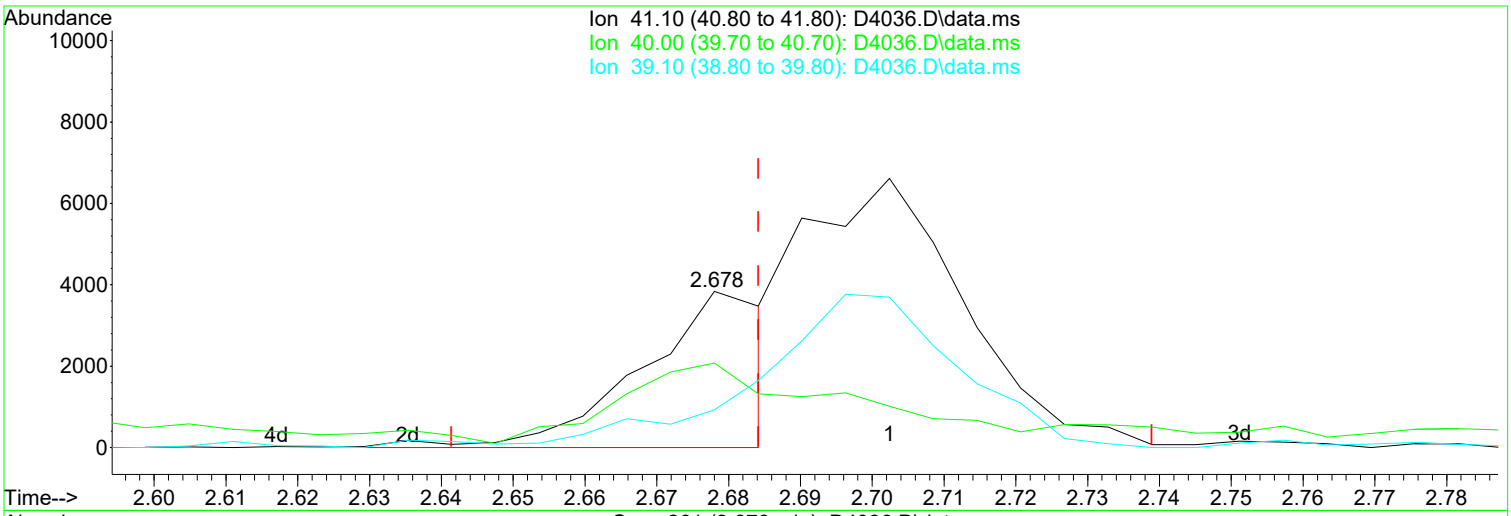
Quant Time: Dec 08 12:44:17 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Sun Nov 12 10:06:26 2023
Response via : Initial Calibration

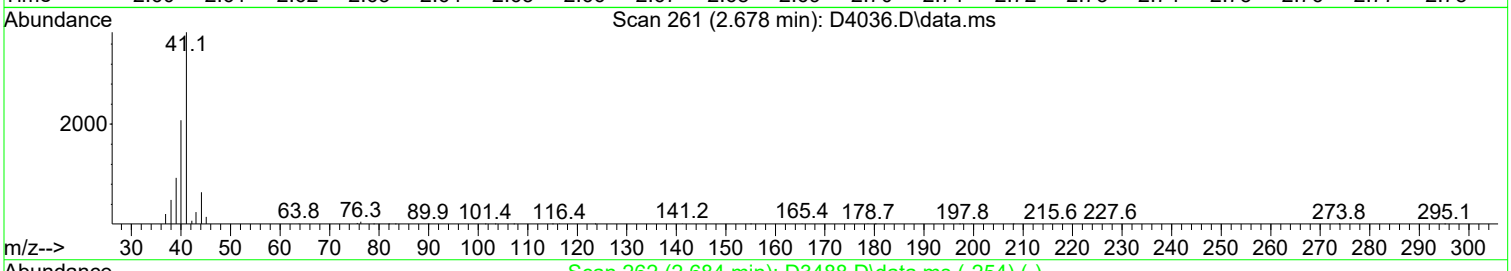


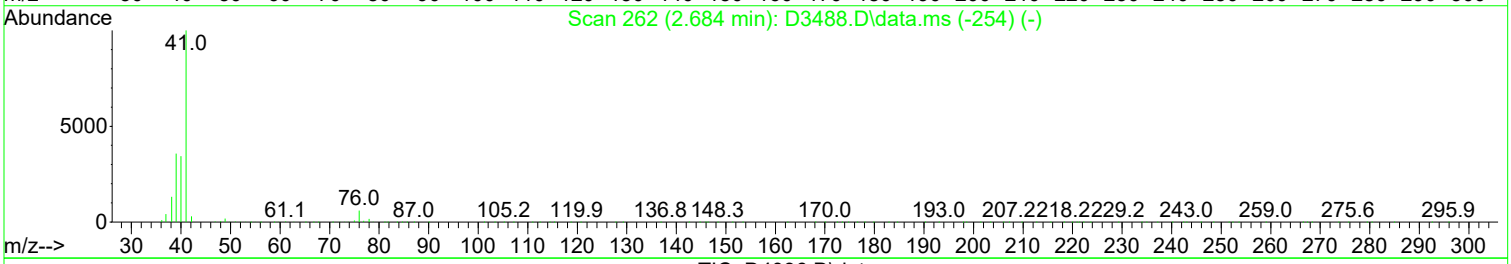
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\120823\
Data File : D4036.D
Acq On : 08 Dec 2023 11:30 am
Operator : F.NAEGLER
Sample : 1.0 PPB STD
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 08 12:49:17 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Sun Nov 12 10:06:26 2023
Response via : Initial Calibration







TIC: D4036.D\data.ms

(20) Acetonitrile

2.678min (-0.006) 4.94 ug/L m

response 4718

Ion	Exp%	Act%
41.10	100.00	100.00
40.00	71.20	54.14
39.10	35.90	24.17
0.00	0.00	0.00

Manual Integration:

After

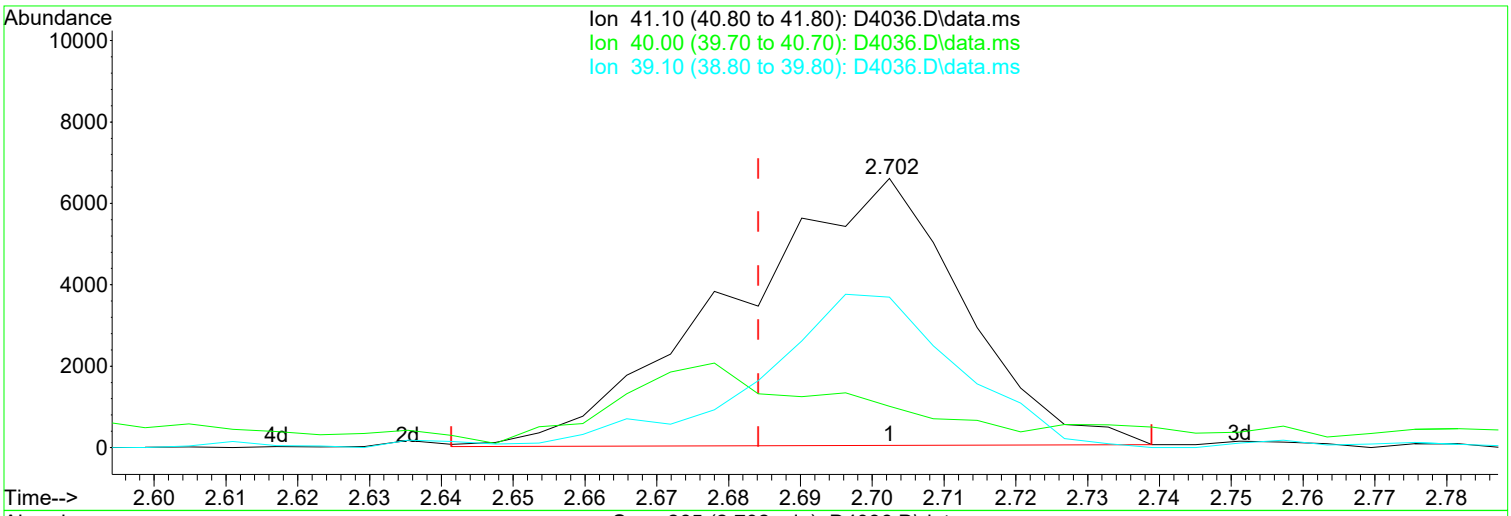
Poor integration.

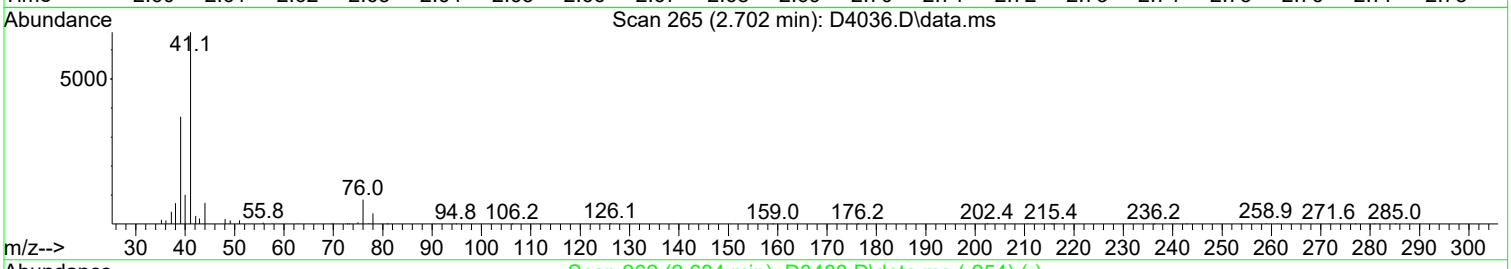
12/08/23

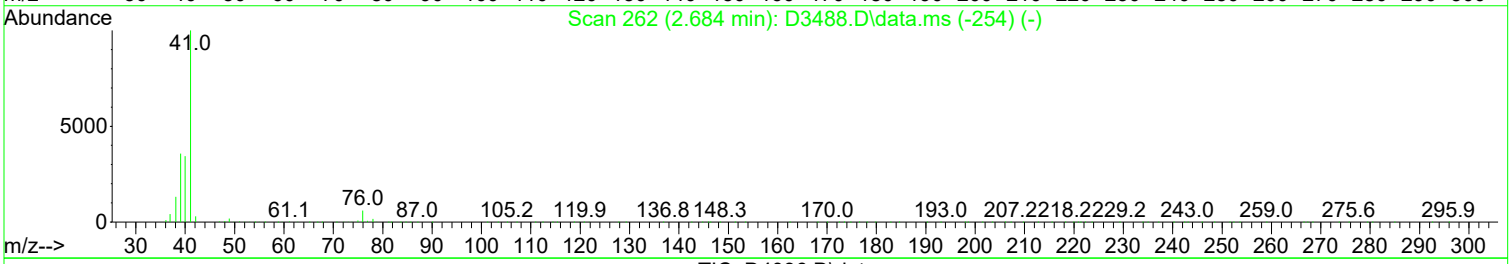
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\120823\
Data File : D4036.D
Acq On : 08 Dec 2023 11:30 am
Operator : F.NAEGLER
Sample : 1.0 PPB STD
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 08 12:49:17 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Sun Nov 12 10:06:26 2023
Response via : Initial Calibration







TIC: D4036.D\data.ms

(20) Acetonitrile

2.702min (+ 0.018) 15.40 ug/L

response 14715

Ion	Exp%	Act%
41.10	100.00	100.00
40.00	71.20	15.34#
39.10	35.90	55.96#
0.00	0.00	0.00

Manual Integration:

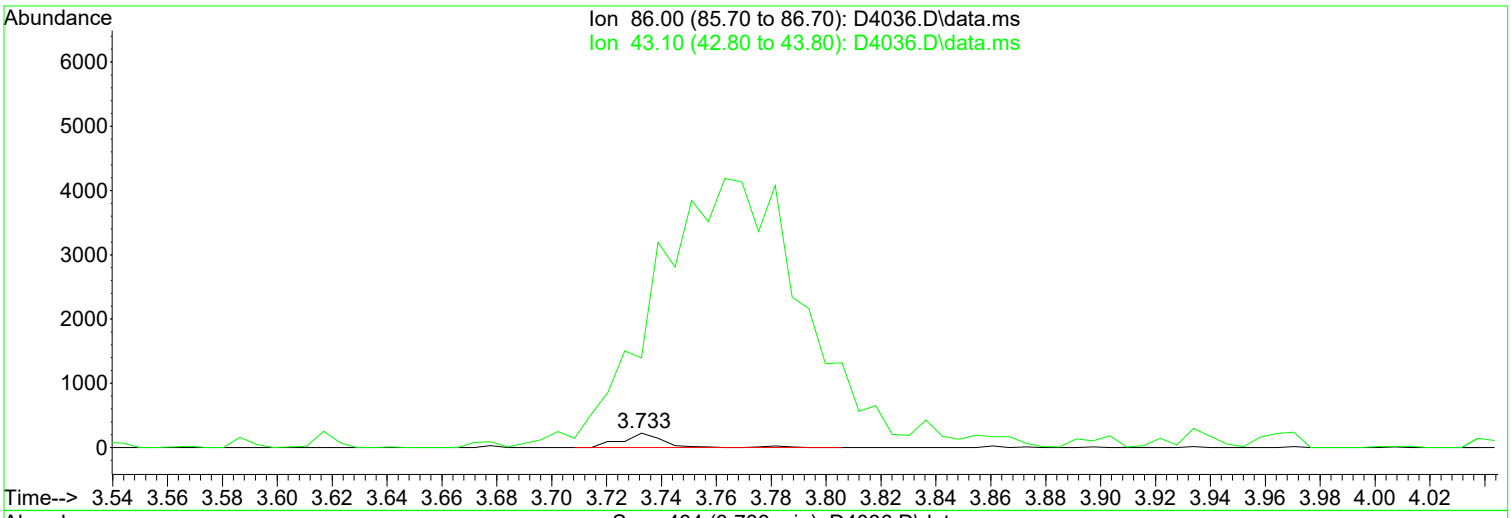
Before

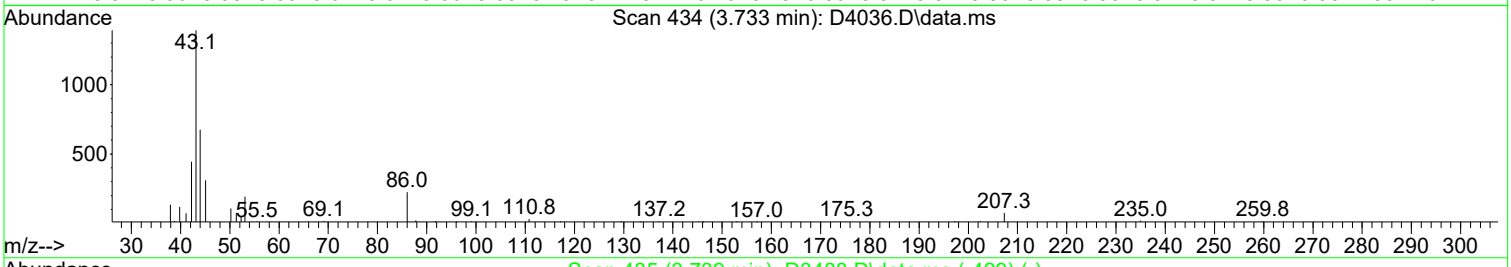
12/08/23

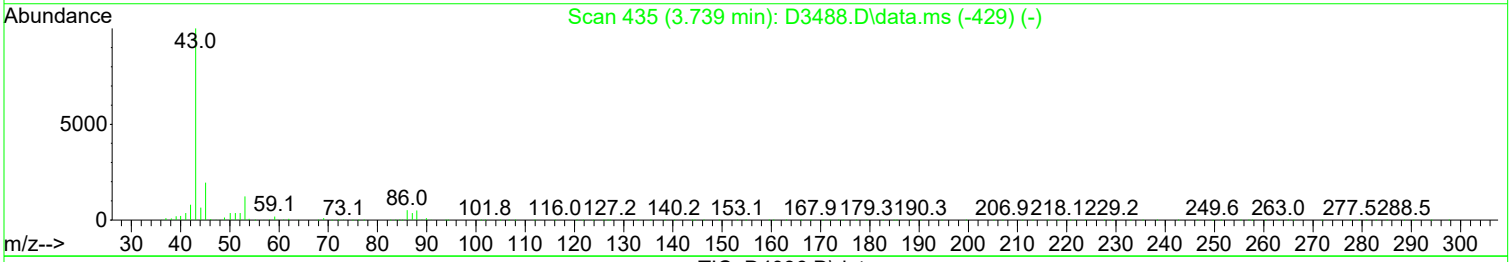
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\120823\
Data File : D4036.D
Acq On : 08 Dec 2023 11:30 am
Operator : F.NAEGLER
Sample : 1.0 PPB STD
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 08 12:49:17 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Sun Nov 12 10:06:26 2023
Response via : Initial Calibration







TIC: D4036.D\data.ms

(29) Vinyl Acetate

3.733min (-0.006) 0.56 ug/L m

response 242

Ion	Exp%	Act%
86.00	100.00	100.00
43.10	1910.70	621.88#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

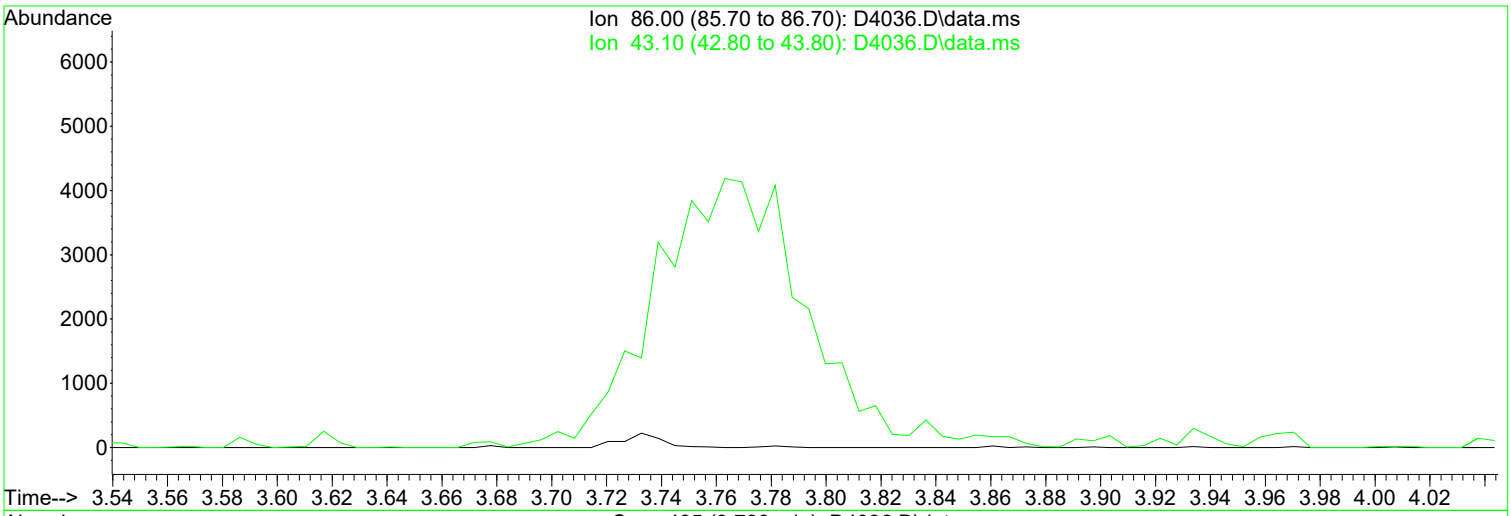
Peak not found.

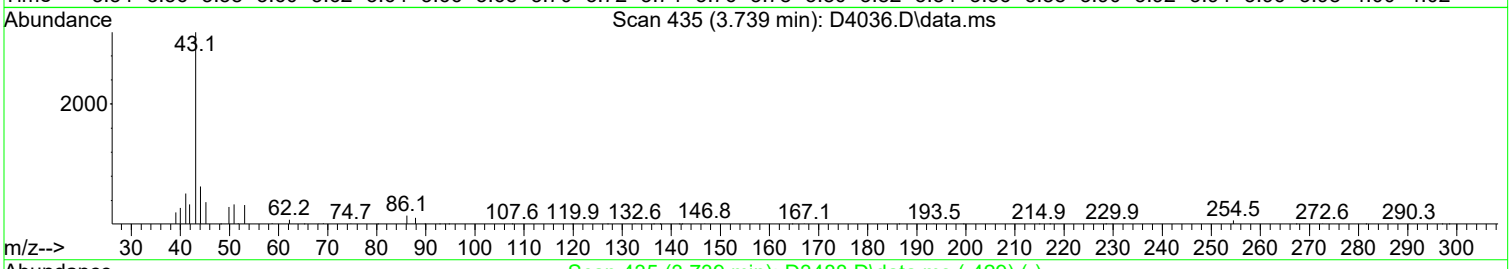
12/08/23

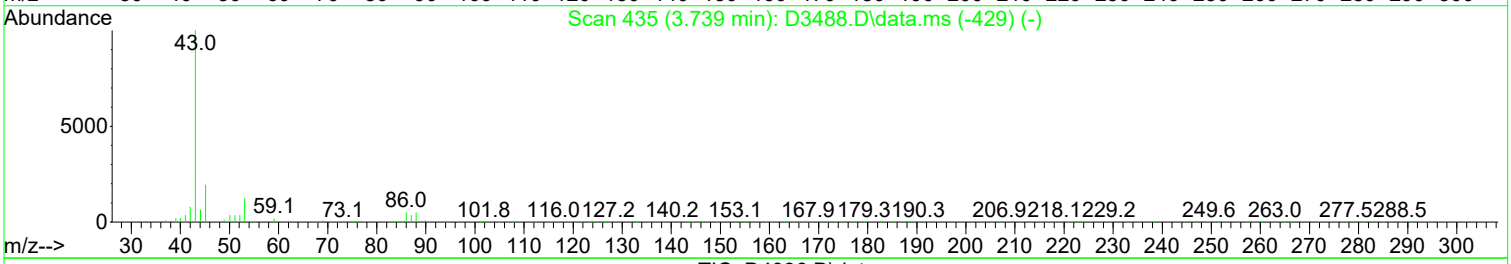
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\120823\
Data File : D4036.D
Acq On : 08 Dec 2023 11:30 am
Operator : F.NAEGLER
Sample : 1.0 PPB STD
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 08 12:49:17 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Sun Nov 12 10:06:26 2023
Response via : Initial Calibration







TIC: D4036.D\data.ms

(29) Vinyl Acetate **Manual Integration:**

3.739min (-3.739) 0.00 ug/L **Before**

response 0

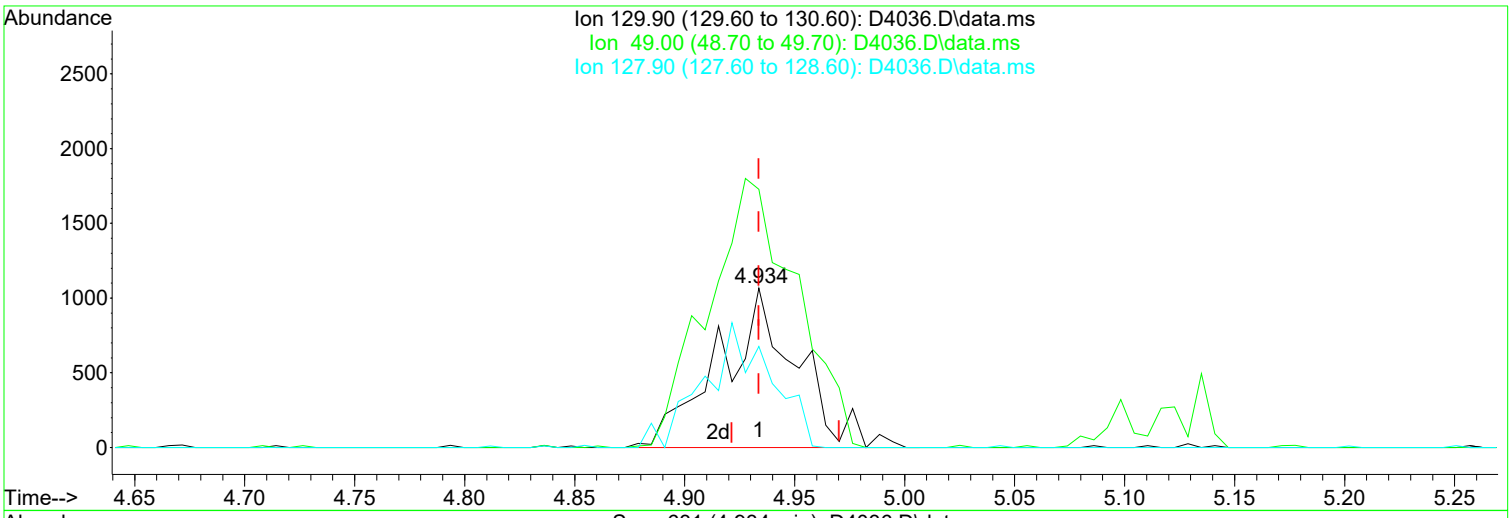
Ion	Exp%	Act%
86.00	100.00	0.00
43.10	1910.70	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

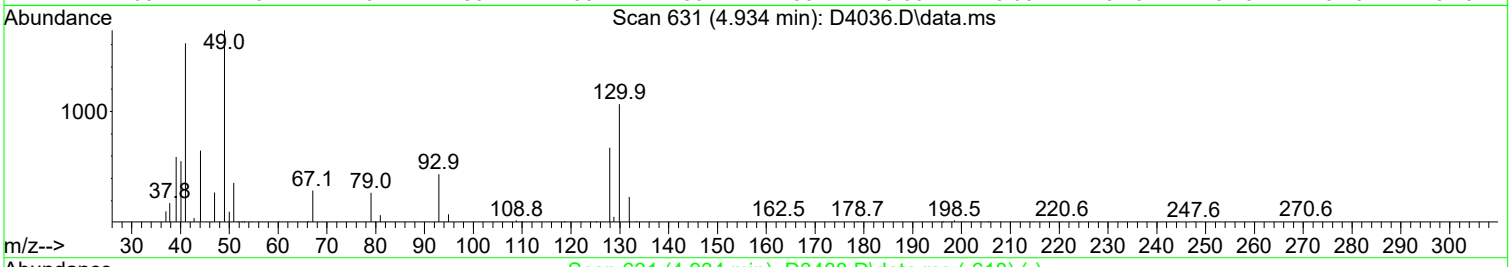
12/08/23

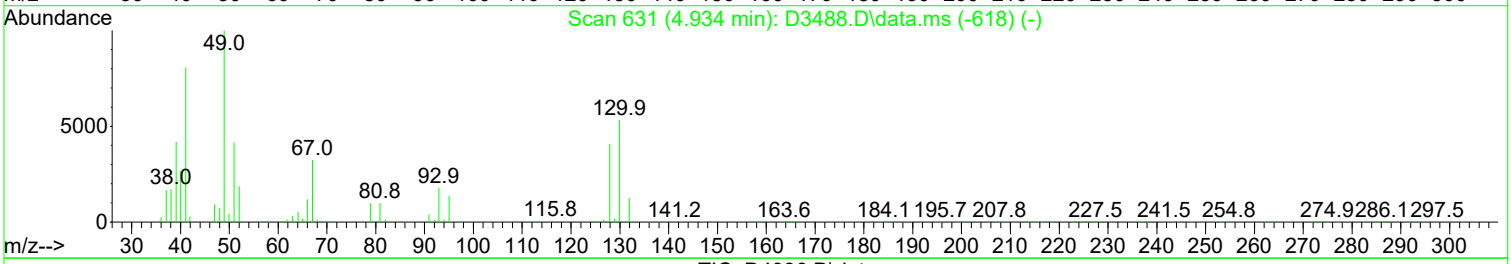
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\120823\
Data File : D4036.D
Acq On : 08 Dec 2023 11:30 am
Operator : F.NAEGLER
Sample : 1.0 PPB STD
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 08 12:49:17 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Sun Nov 12 10:06:26 2023
Response via : Initial Calibration







TIC: D4036.D\data.ms

(37) Bromochloromethane

4.934min (-0.000) 1.05 ug/L m

response 2625

Ion	Exp%	Act%
129.90	100.00	100.00
49.00	187.90	162.20#
127.90	76.50	63.51
0.00	0.00	0.00

Manual Integration:

After

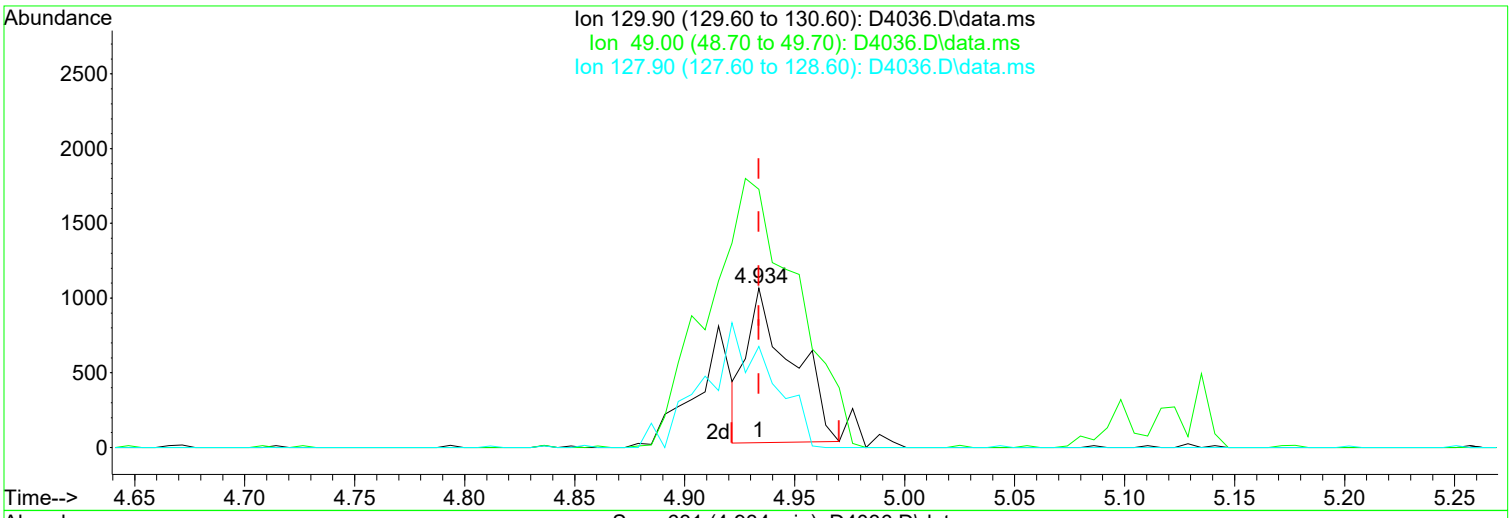
Poor integration.

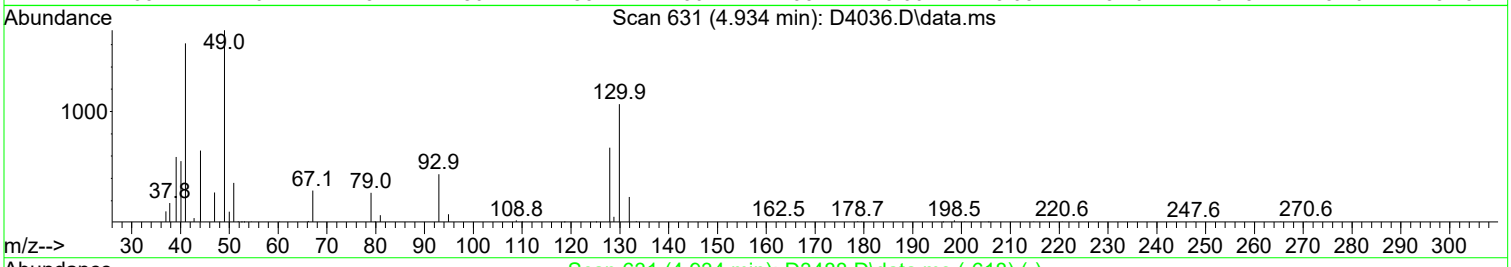
12/08/23

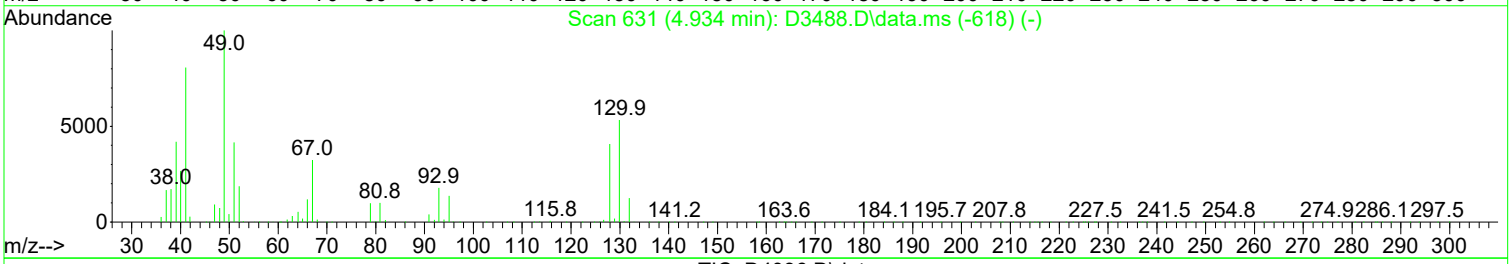
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\120823\
Data File : D4036.D
Acq On : 08 Dec 2023 11:30 am
Operator : F.NAEGLER
Sample : 1.0 PPB STD
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 08 12:49:17 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Sun Nov 12 10:06:26 2023
Response via : Initial Calibration







TIC: D4036.D\data.ms

(37) Bromochloromethane

4.934min (-0.000) 0.59 ug/L

response 1467

Ion	Exp%	Act%
129.90	100.00	100.00
49.00	187.90	162.20#
127.90	76.50	63.51
0.00	0.00	0.00

Manual Integration:

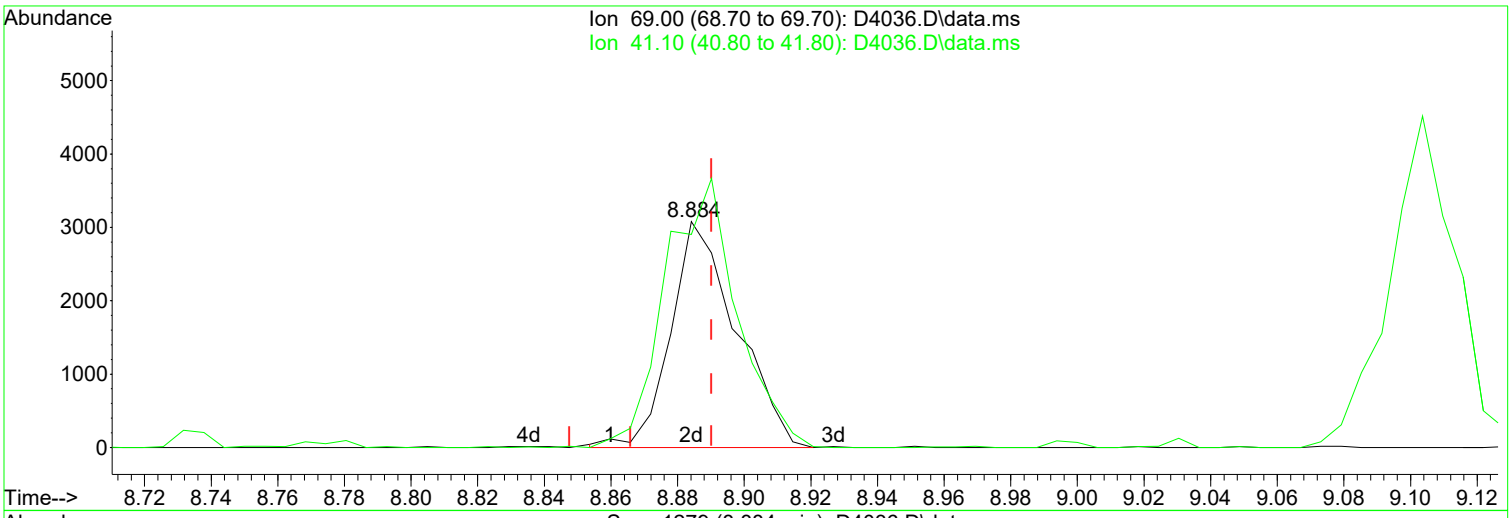
Before

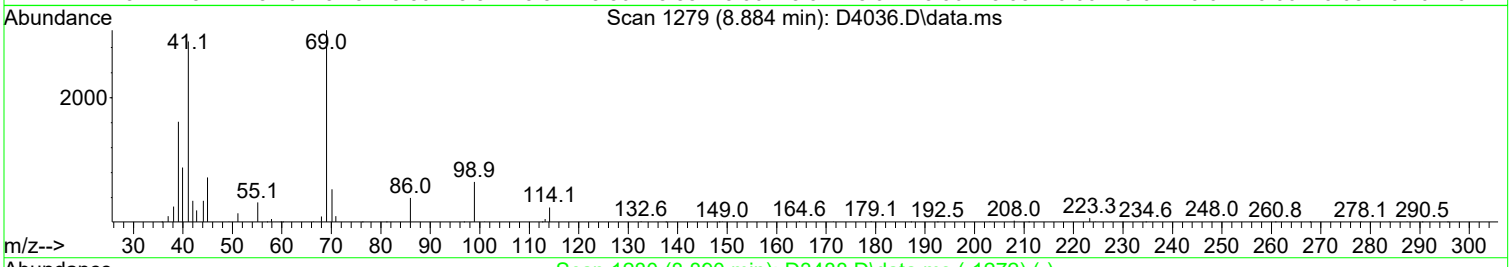
12/08/23

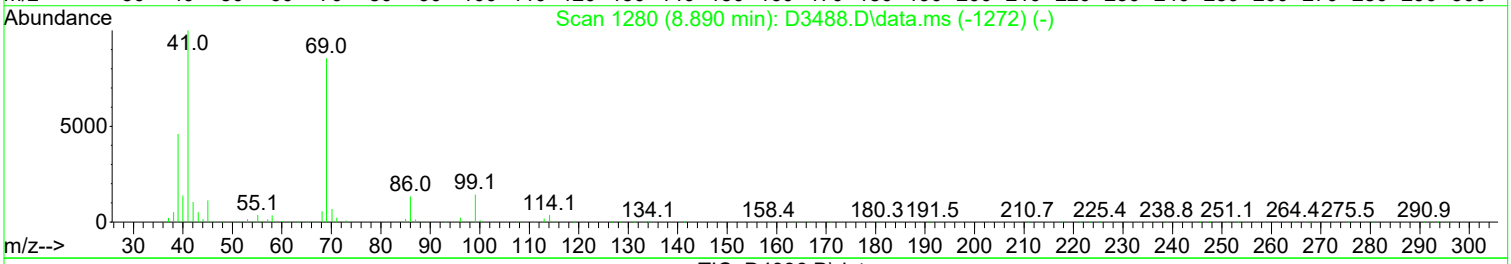
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\120823\
Data File : D4036.D
Acq On : 08 Dec 2023 11:30 am
Operator : F.NAEGLER
Sample : 1.0 PPB STD
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 08 12:49:17 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Sun Nov 12 10:06:26 2023
Response via : Initial Calibration







TIC: D4036.D\data.ms

(68) Ethyl Methacrylate

8.884min (-0.006) 0.92 ug/L m

response 4220

Ion	Exp%	Act%
69.00	100.00	100.00
41.10	117.20	94.25#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

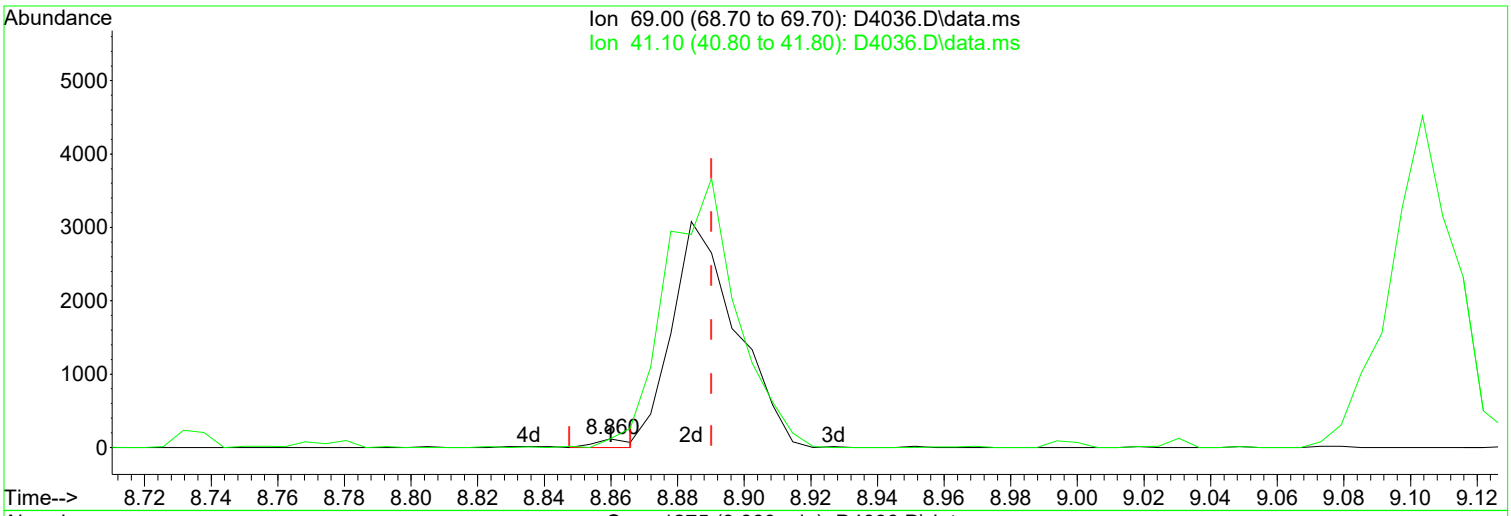
Poor integration.

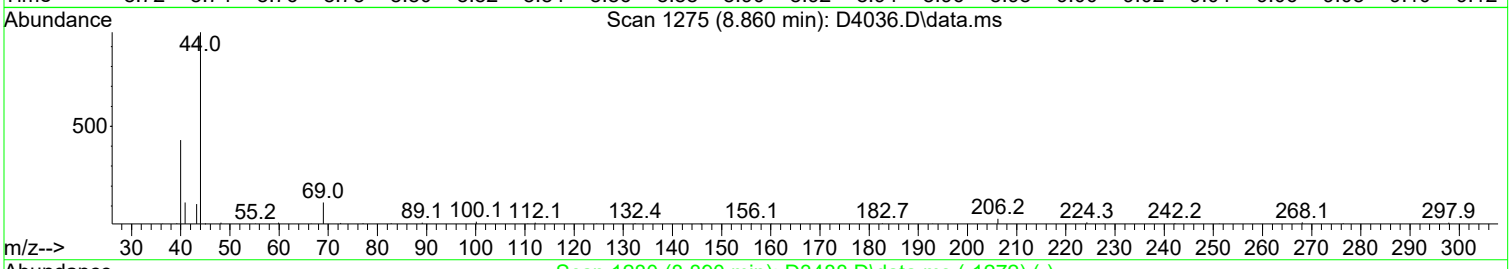
12/08/23

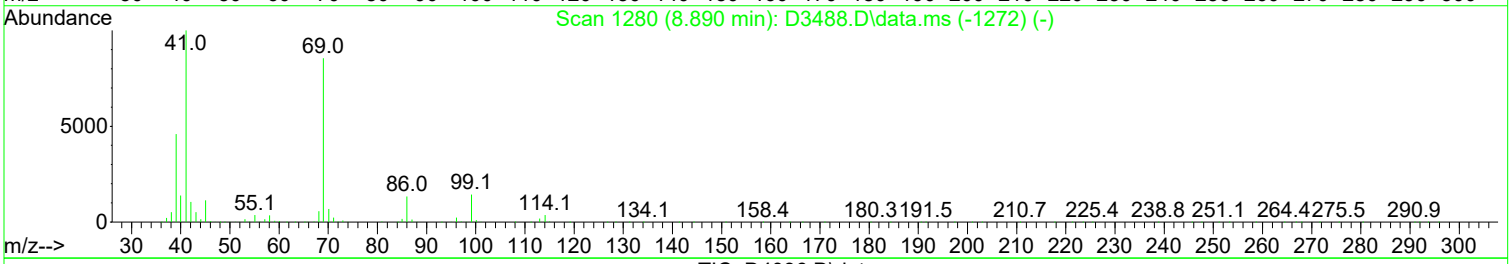
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\120823\
Data File : D4036.D
Acq On : 08 Dec 2023 11:30 am
Operator : F.NAEGLER
Sample : 1.0 PPB STD
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 08 12:49:17 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Sun Nov 12 10:06:26 2023
Response via : Initial Calibration







TIC: D4036.D\data.ms

(68) Ethyl Methacrylate

8.860min (-0.031) 0.02 ug/L

response 83

Ion	Exp%	Act%
69.00	100.00	100.00
41.10	117.20	100.00
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

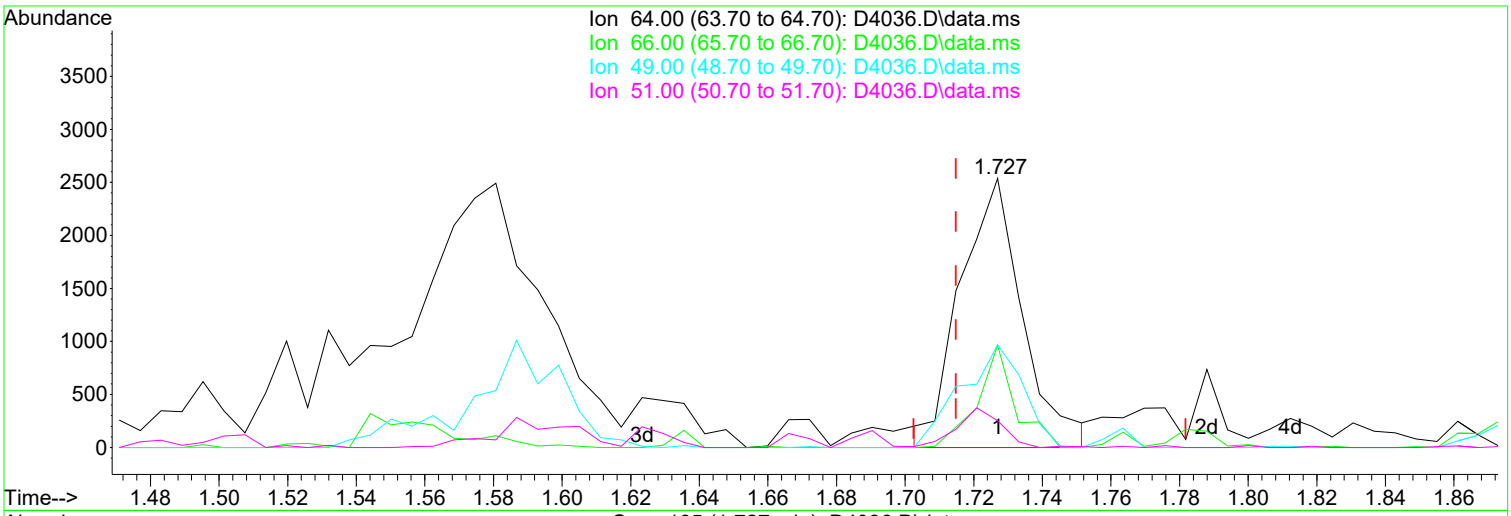
Before

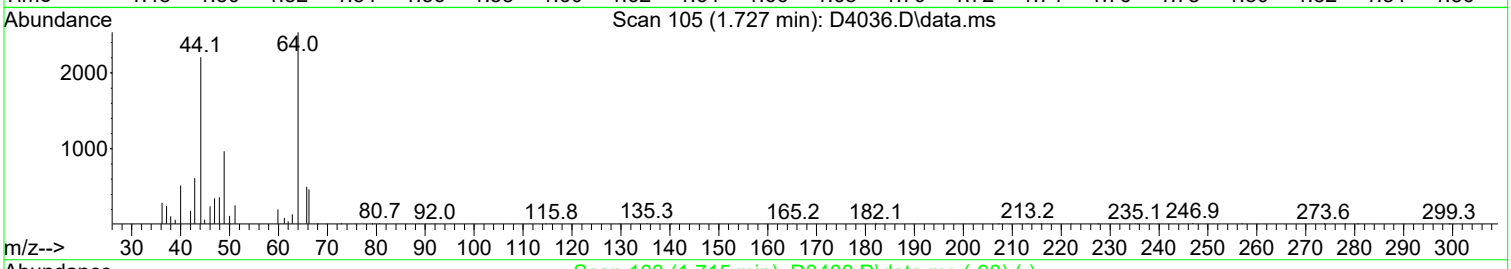
12/08/23

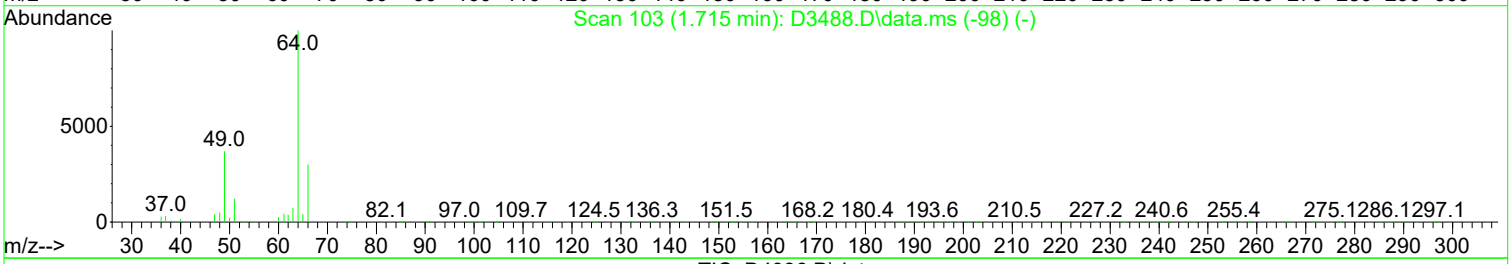
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\120823\
Data File : D4036.D
Acq On : 08 Dec 2023 11:30 am
Operator : F.NAEGLER
Sample : 1.0 PPB STD
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 08 12:49:17 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Sun Nov 12 10:06:26 2023
Response via : Initial Calibration







TIC: D4036.D\data.ms

(7) Chloroethane (P)

1.727min (+ 0.012) 1.01 ug/L m

response 3176

Ion	Exp%	Act%
64.00	100.00	100.00
66.00	30.00	19.72
49.00	36.90	38.21
51.00	12.20	10.02

Manual Integration:

After

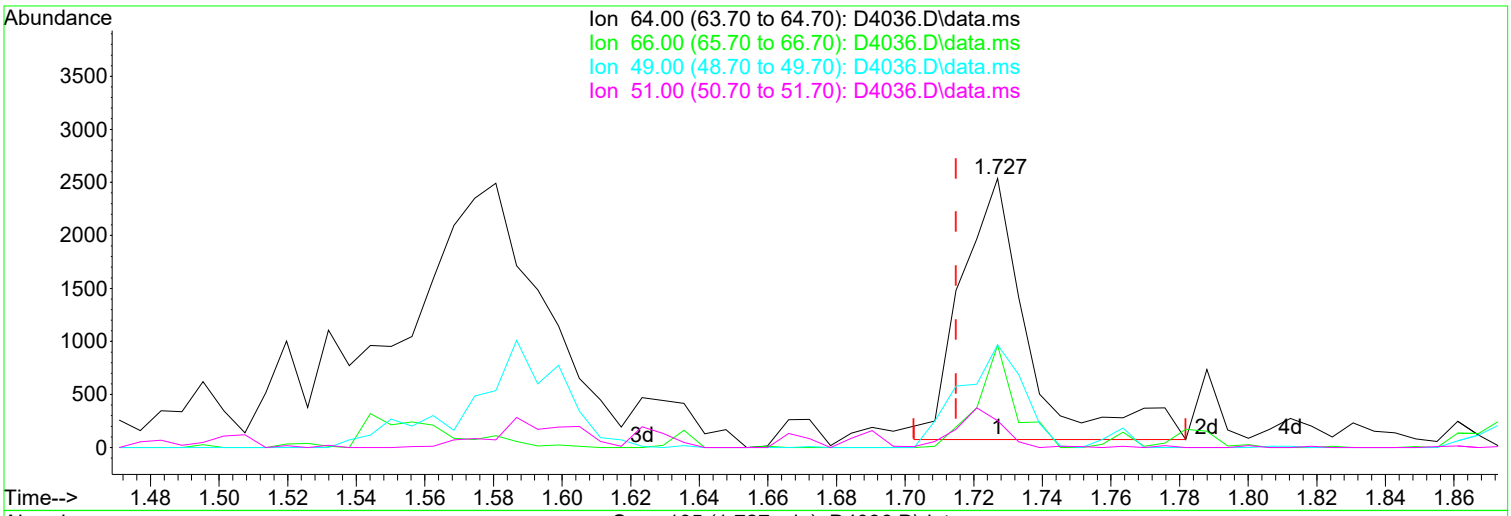
Poor integration.

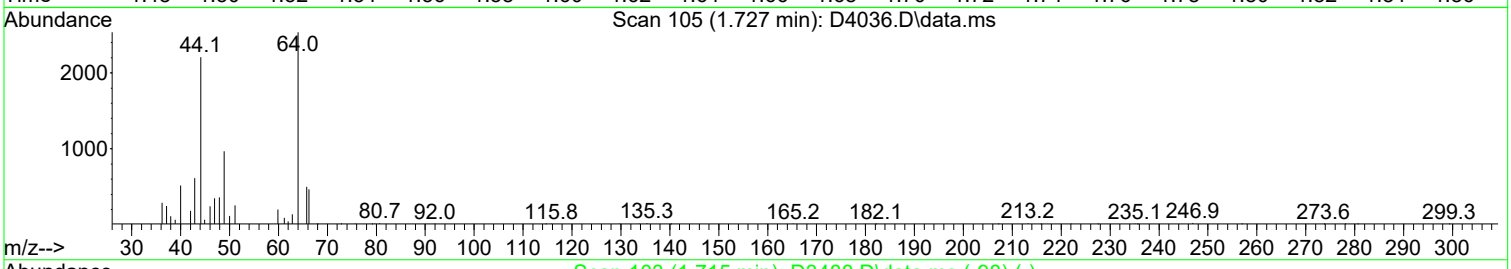
12/08/23

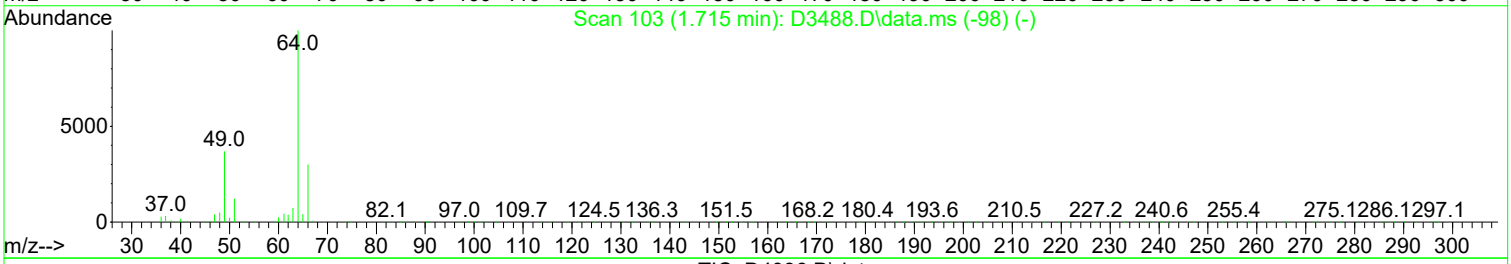
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\120823\
Data File : D4036.D
Acq On : 08 Dec 2023 11:30 am
Operator : F.NAEGLER
Sample : 1.0 PPB STD
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 08 12:49:17 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Sun Nov 12 10:06:26 2023
Response via : Initial Calibration







TIC: D4036.D\data.ms

(7) Chloroethane (P) **Manual Integration:**

1.727min (+ 0.012) 1.05 ug/L **Before**

response 3326

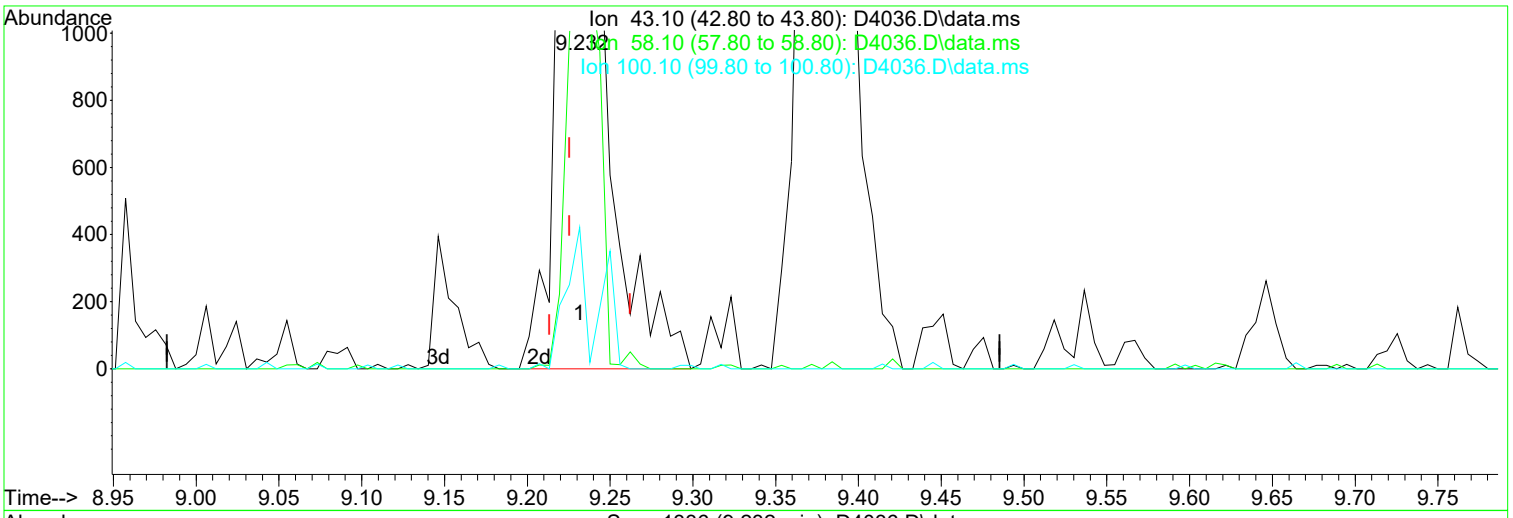
Ion	Exp%	Act%
64.00	100.00	100.00
66.00	30.00	38.09
49.00	36.90	38.21
51.00	12.20	10.02

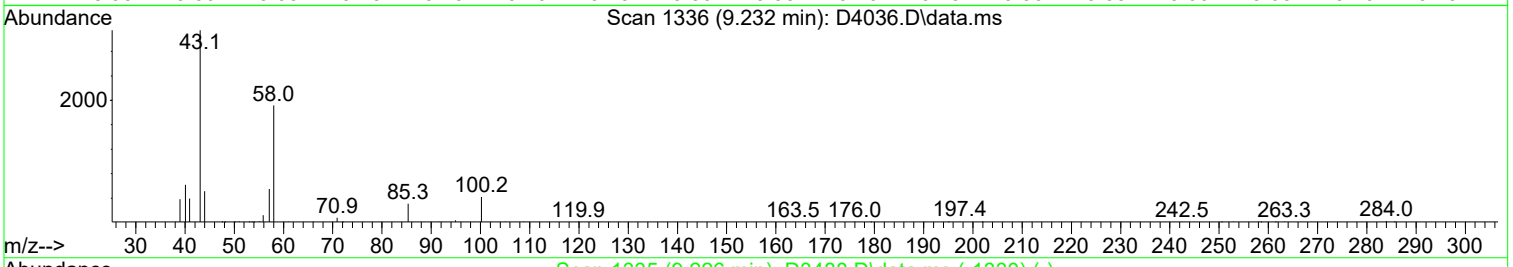
12/08/23

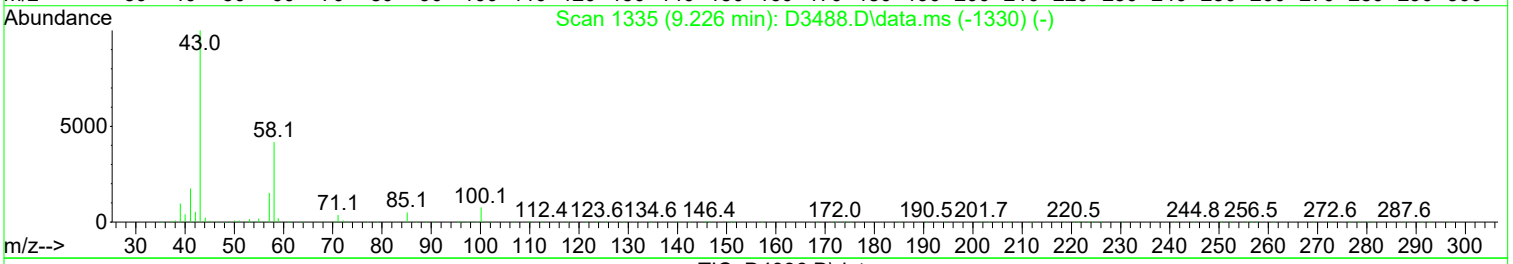
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\120823\
Data File : D4036.D
Acq On : 08 Dec 2023 11:30 am
Operator : F.NAEGLER
Sample : 1.0 PPB STD
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 08 12:49:17 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Sun Nov 12 10:06:26 2023
Response via : Initial Calibration







TIC: D4036.D\data.ms

(73) 2-Hexanone (P)

9.232min (+ 0.006) 0.97 ug/L m

response 4965

Ion	Exp%	Act%
43.10	100.00	100.00
58.10	41.60	60.88
100.10	7.60	13.38
0.00	0.00	0.00

Manual Integration:

After

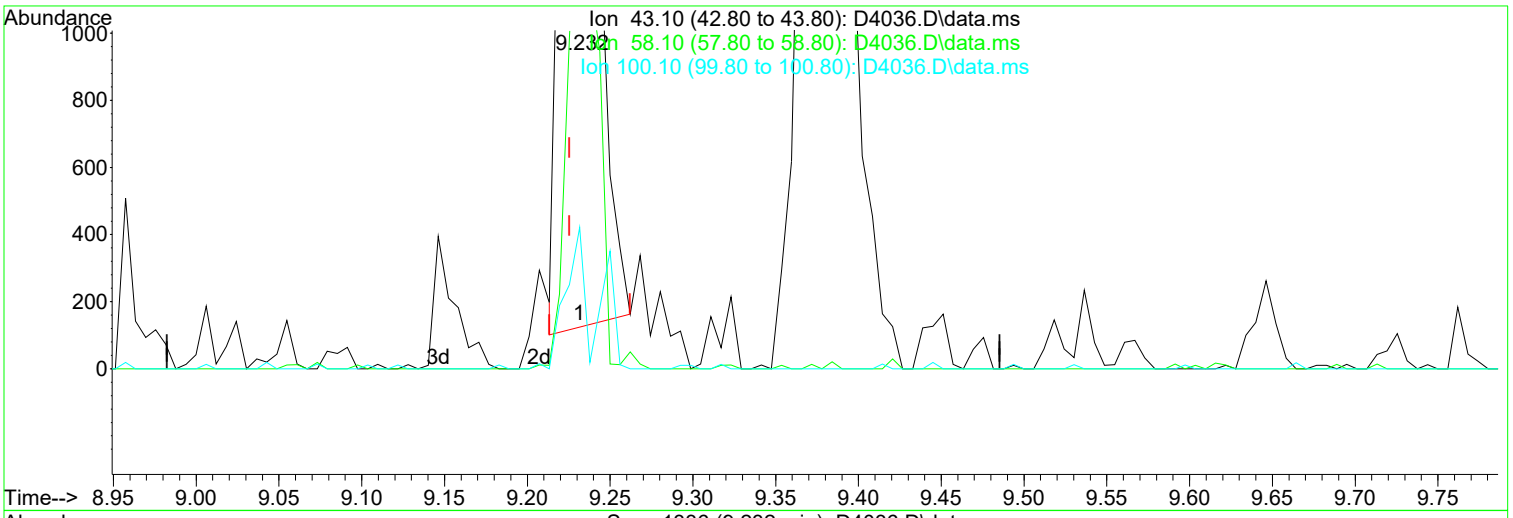
Poor integration.

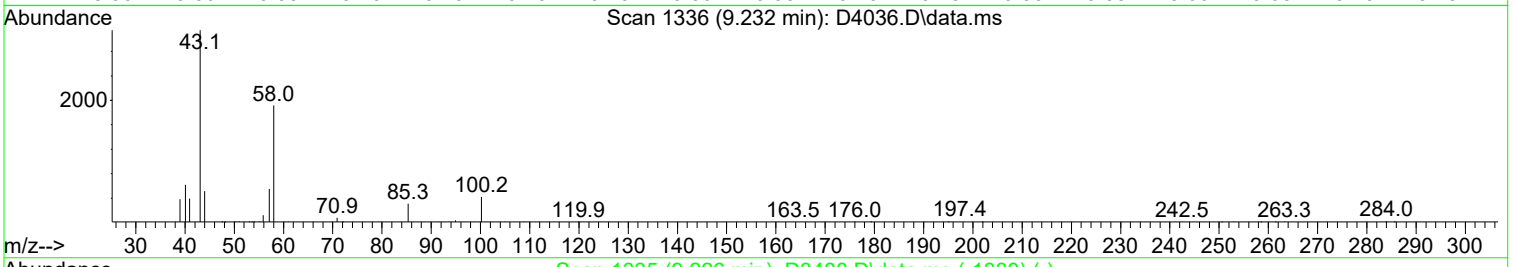
12/08/23

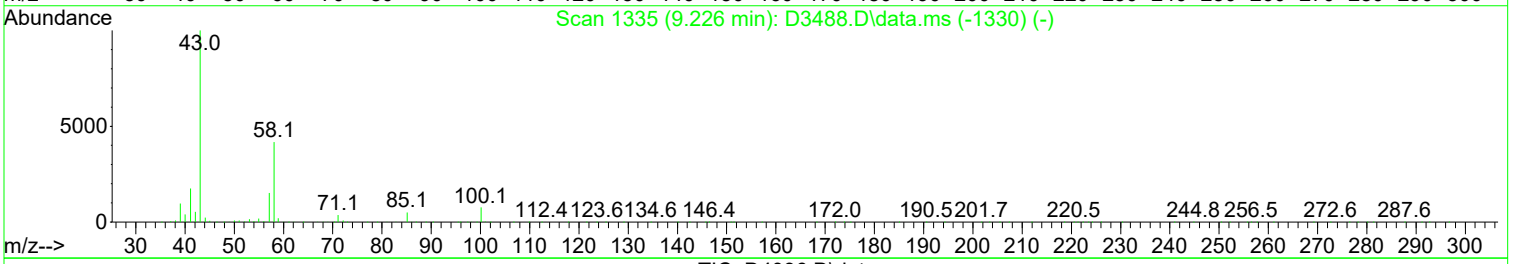
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\120823\
Data File : D4036.D
Acq On : 08 Dec 2023 11:30 am
Operator : F.NAEGLER
Sample : 1.0 PPB STD
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 08 12:49:17 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Sun Nov 12 10:06:26 2023
Response via : Initial Calibration







TIC: D4036.D\data.ms

(73) 2-Hexanone (P)

9.232min (+ 0.006) 0.79 ug/L

response 4045

Ion	Exp%	Act%
43.10	100.00	100.00
58.10	41.60	60.88
100.10	7.60	13.38
0.00	0.00	0.00

Manual Integration:

Before

12/08/23

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\120823\
Data File : D4036.D
Acq On : 08 Dec 2023 11:30 am
Operator : F.NAEGLER
Sample : 1.0 PPB STD
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 08 12:49:17 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Sun Nov 12 10:06:26 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.537	168	405364	50.00	ug/L		0.00
42) 1,4-Difluorobenzene	6.604	114	516326	50.00	ug/L		0.00
71) d5-Chlorobenzene	9.890	117	484271	50.00	ug/L		0.00
91) 1,4-Dichlorobenzene-d4	11.926	152	250490	50.00	ug/L		0.00
System Monitoring Compounds							
44) surr4,Dibrflmethane	5.397	113	37347	12.00	ug/L		0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 24.00%#				
47) surr1,1,2-dichloroetha...	5.921	65	49539	12.26	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 24.52%#				
65) SURR3,Toluene-d8	8.409	98	137935	11.40	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 22.80%#				
70) SURR2,BFB	10.957	95	51212	11.02	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 22.04%#				
Target Compounds							Qvalue
2) Chlorodifluoromethane	1.203	51	3902	0.660	ug/L		79
3) Dichlorodifluoromethane	1.197	85	3800	1.238	ug/L		80
4) Chloromethane	1.331	50	6501	1.088	ug/L		98
5) Vinyl Chloride	1.404	62	4401	1.001	ug/L		88
6) Bromomethane	1.642	94	2637	1.168	ug/L	#	77
7) Chloroethane	1.727	64	3176m	1.007	ug/L		
8) Freon 21	1.879	67	4724	0.706	ug/L		96
9) Trichlorofluoromethane	1.922	101	5094	1.038	ug/L		86
10) Diethyl Ether	2.160	59	3834	0.976	ug/L	#	79
11) Freon 123a	2.166	67	3848	0.918	ug/L		85
12) Freon 123	2.215	83	4156	0.921	ug/L		89
13) Acrolein	2.270	56	5346	5.700	ug/L		80
14) 1,1-Diclethene	2.355	96	3453	1.250	ug/L	#	67
15) Freon 113	2.361	101	3009	0.985	ug/L	#	69
16) Acetone	2.428	43	5236	1.821	ug/L		90
17) 2-Propanol	2.556	45	9366	22.641	ug/L		73
19) Carbon Disulfide	2.562	76	9139	0.970	ug/L		98
20) Acetonitrile	2.678	41	4718m	4.939	ug/L		
21) Allyl Chloride	2.708	76	1732	1.015	ug/L	#	78
22) Methyl Acetate	2.733	43	7789	1.001	ug/L		93
23) Methylene Chloride	2.830	84	2941	0.872	ug/L		94
24) TBA	2.971	59	11465	22.847	ug/L		95
25) Acrylonitrile	3.099	53	11628	4.644	ug/L		83
26) Methyl-t-Butyl Ether	3.141	73	9155	0.939	ug/L		76
27) trans-1,2-Dichloroethene	3.129	96	3455	1.105	ug/L		96
28) 1,1-Diclethane	3.647	63	6313	0.926	ug/L		85
29) Vinyl Acetate	3.733	86	242m	0.564	ug/L		
30) DIPE	3.769	45	18682	0.982	ug/L		92
31) 2-Chloro-1,3-Butadiene	3.769	53	6823	0.913	ug/L	#	68
32) ETBE	4.330	59	12596	1.267	ug/L		89
33) 2,2-Dichloropropane	4.501	77	5769	2.035	ug/L		88
34) cis-1,2-Dichloroethene	4.525	96	3821	1.029	ug/L	#	42
35) 2-Butanone	4.592	43	4674	1.185	ug/L		83
36) Propionitrile	4.684	54	4027	4.092	ug/L		96
37) Bromochloromethane	4.934	130	2625m	1.052	ug/L		
38) Methacrylonitrile	4.940	67	1595	0.830	ug/L	#	50
39) Tetrahydrofuran	5.074	42	2532	1.016	ug/L		62
40) Chloroform	5.117	83	5759	0.976	ug/L		77
41) 1,1,1-Trichloroethane	5.391	97	5524	1.324	ug/L	#	77

1st FNJ 12/08/23
2nd WR 12/13/23

Data Path : I:\ACQUDATA\msvoa10\data\120823\
Data File : D4036.D
Acq On : 08 Dec 2023 11:30 am
Operator : F.NAEGLER
Sample : 1.0 PPB STD
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 08 12:49:17 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Sun Nov 12 10:06:26 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) Cyclohexane	5.482	41	4344	0.883	ug/L		84
45) Carbontetrachloride	5.677	117	4320	1.312	ug/L	#	57
46) 1,1-Dichloropropene	5.677	75	3961	1.001	ug/L		76
48) Benzene	5.994	78	12296	1.021	ug/L		84
49) 1,2-Dichloroethane	6.043	62	6251	1.185	ug/L		91
50) Iso-Butyl Alcohol	6.043	43	5649	20.685	ug/L	#	73
51) TAME	6.232	73	8863	1.220	ug/L		91
52) n-Heptane	6.470	43	7037	1.247	ug/L		90
53) 1-Butanol	6.988	56	5188	42.244	ug/L		87
54) Trichloroethene	6.927	130	3952	1.155	ug/L	#	85
55) Methylcyclohexane	7.159	55	5044	0.940	ug/L		89
56) 1,2-Diclpropane	7.214	63	3535	0.927	ug/L		93
57) Dibromomethane	7.348	93	2465	1.116	ug/L	#	74
58) 1,4-Dioxane	7.439	88	967	15.623	ug/L		99
59) Methyl Methacrylate	7.433	69	2457	0.936	ug/L		89
60) Bromodichloromethane	7.579	83	4242	1.028	ug/L		82
61) 2-Nitropropane	7.866	41	2893	2.180	ug/L	#	59
62) 2-Chloroethylvinyl Ether	7.982	63	2103	0.887	ug/L		75
63) cis-1,3-Dichloropropene	8.116	75	4254	0.971	ug/L		93
64) 4-Methyl-2-pentanone	8.329	43	6668	0.942	ug/L		95
66) Toluene	8.482	91	13897	1.030	ug/L		93
67) trans-1,3-Dichloropropene	8.750	75	4642	1.319	ug/L		95
68) Ethyl Methacrylate	8.884	69	4220m	0.924	ug/L		
69) 1,1,2-Trichloroethane	8.939	97	3335	1.047	ug/L	#	84
72) Tetrachloroethene	9.061	164	3122	1.103	ug/L	#	79
73) 2-Hexanone	9.232	43	4965m	0.975	ug/L		
74) 1,3-Dichloropropane	9.104	76	5431	1.017	ug/L		92
75) Dibromochloromethane	9.329	129	3230	0.927	ug/L		95
76) N-Butyl Acetate	9.378	43	10245	1.105	ug/L		92
77) 1,2-Dibromoethane	9.427	107	3283	1.059	ug/L		89
78) 3-Chlorobenzotrifluoride	9.933	180	6285	1.222	ug/L		90
79) Chlorobenzene	9.914	112	8724	0.984	ug/L		93
80) 4-Chlorobenzotrifluoride	9.981	180	6193	1.337	ug/L		90
81) 1,1,1,2-Tetrachloroethane	10.000	131	3358	1.169	ug/L		96
82) Ethylbenzene	10.030	106	4565	0.972	ug/L	#	81
83) (m+p)Xylene	10.140	106	11570	1.962	ug/L		88
84) o-Xylene	10.500	106	5997	1.032	ug/L		93
85) Styrene	10.512	104	9162	0.923	ug/L		96
86) Bromoform	10.670	173	2735	1.135	ug/L		75
87) 2-Chlorobenzotrifluoride	10.743	180	5953	1.169	ug/L		93
88) Isopropylbenzene	10.829	105	15644	1.087	ug/L		86
89) Cyclohexanone	10.908	55	14873	15.730	ug/L		96
90) trans-1,4-Dichloro-2-B...	11.140	53	2055	1.310	ug/L		85
92) 1,1,2,2-Tetrachloroethane	11.091	83	4288	0.984	ug/L		98
93) Bromobenzene	11.079	156	4070	0.932	ug/L	#	85
94) 1,2,3-Trichloropropane	11.128	110	1648	1.103	ug/L	#	25
95) n-Propylbenzene	11.182	91	16019	0.976	ug/L		95
96) 2-Chlorotoluene	11.249	91	10977	1.076	ug/L		86
97) 3-Chlorotoluene	11.304	91	10191	1.018	ug/L		91
98) 4-Chlorotoluene	11.341	91	11242	0.965	ug/L		93
99) 1,3,5-Trimethylbenzene	11.335	105	11712	0.953	ug/L		94
100) tert-Butylbenzene	11.609	119	9904	0.925	ug/L		89
101) 1,2,4-Trimethylbenzene	11.652	105	12010	0.963	ug/L		100
102) 3,4-Dichlorobenzotrifl...	11.707	214	5110	1.289	ug/L		94
103) sec-Butylbenzene	11.792	105	13251	0.919	ug/L		97
104) p-Isopropyltoluene	11.914	119	12546	0.969	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\120823\
Data File : D4036.D
Acq On : 08 Dec 2023 11:30 am
Operator : F.NAEGLER
Sample : 1.0 PPB STD
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 08 12:49:17 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Sun Nov 12 10:06:26 2023
Response via : Initial Calibration

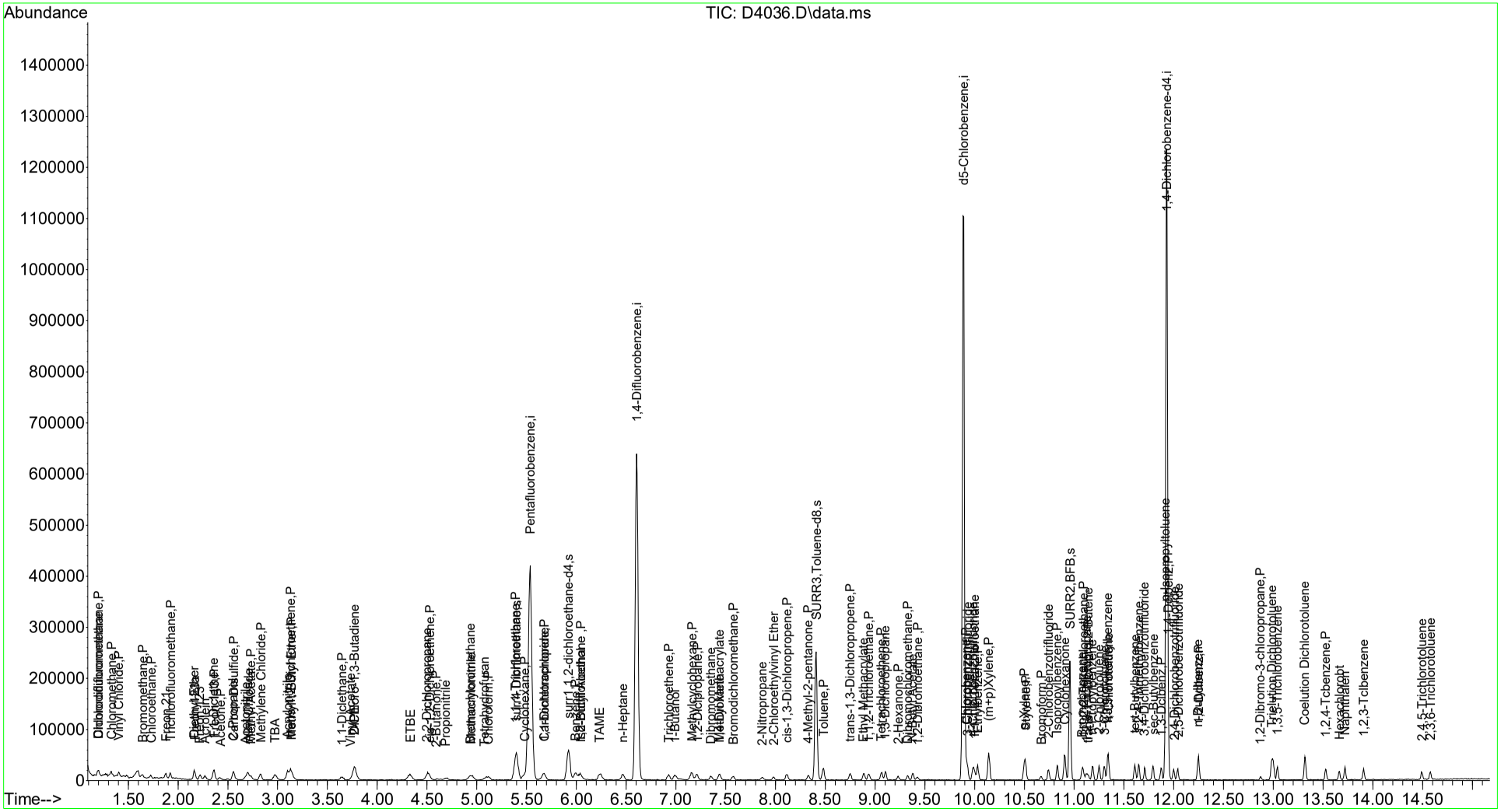
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
105) 1,3-Dclbenz	11.877	146	8104	1.046	ug/L		86
106) 1,4-Dclbenz	11.944	146	7779	0.986	ug/L	#	57
107) 2,4-Dichlorobenzotrifl...	12.005	214	4539	1.180	ug/L		77
108) 2,5-Dichlorobenzotrifl...	12.042	214	5569	1.304	ug/L		92
109) n-Butylbenzene	12.243	91	10313	0.946	ug/L		96
110) 1,2-Dclbenz	12.249	146	7715	1.008	ug/L	#	77
111) 1,2-Dibromo-3-chloropr...	12.871	157	1144	1.091	ug/L	#	76
112) Trielution Dichlorotol...	12.987	125	18672	3.079	ug/L		89
113) 1,3,5-Trichlorobenzene	13.042	180	6045	1.021	ug/L		91
114) Coelution Dichlorotoluene	13.316	125	12780	1.884	ug/L		94
115) 1,2,4-Tcbenzene	13.523	180	5234	0.904	ug/L	#	80
116) Hexachlorobt	13.664	225	2601	1.046	ug/L		91
117) Naphthalen	13.719	128	15005	0.957	ug/L		93
118) 1,2,3-Tclbenzene	13.908	180	4795	0.829	ug/L		94
119) 2,4,5-Trichlorotoluene	14.493	159	3184	0.913	ug/L		92
120) 2,3,6-Trichlorotoluene	14.578	159	3283	1.052	ug/L		85

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\120823\
Data File : D4036.D
Acq On : 08 Dec 2023 11:30 am
Operator : F.NAEGLER
Sample : 1.0 PPB STD
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 08 12:49:17 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Sun Nov 12 10:06:26 2023
Response via : Initial Calibration

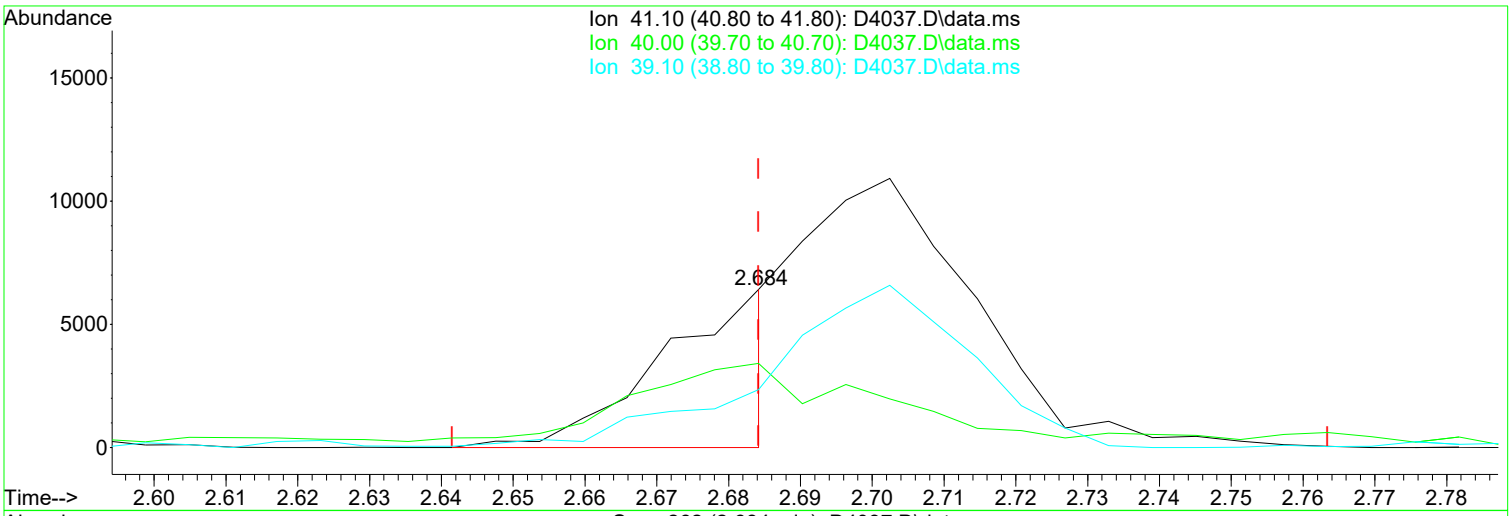


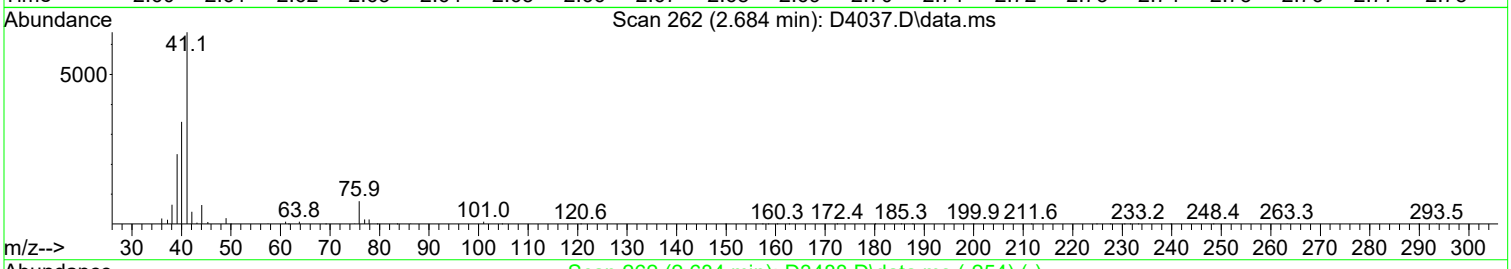
1st FJ 12/08/23
2nd 12/13/23

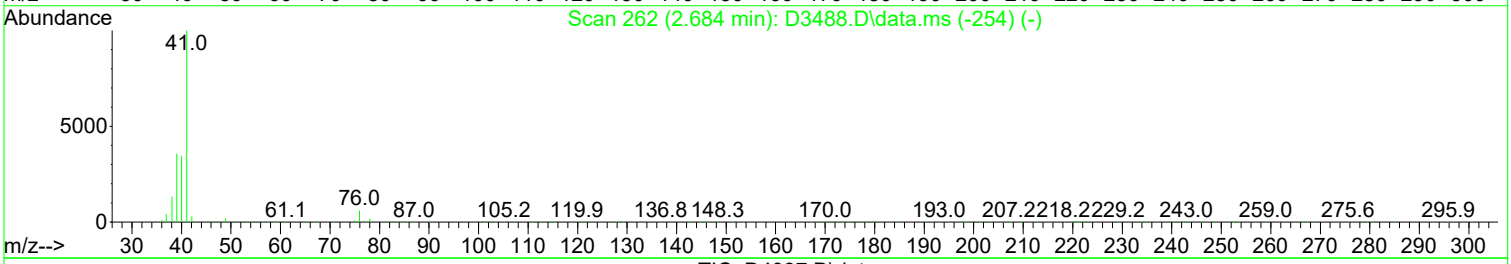
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\120823\
Data File : D4037.D
Acq On : 08 Dec 2023 11:53 am
Operator : F.NAEGLER
Sample : 2.0 PPB STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 08 12:51:55 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Sun Nov 12 10:06:26 2023
Response via : Initial Calibration







TIC: D4037.D\data.ms

(20) Acetonitrile

2.684min (0.000) 7.92 ug/L m

response 7003

Ion	Exp%	Act%
41.10	100.00	100.00
40.00	71.20	53.37
39.10	35.90	36.57
0.00	0.00	0.00

Manual Integration:

After

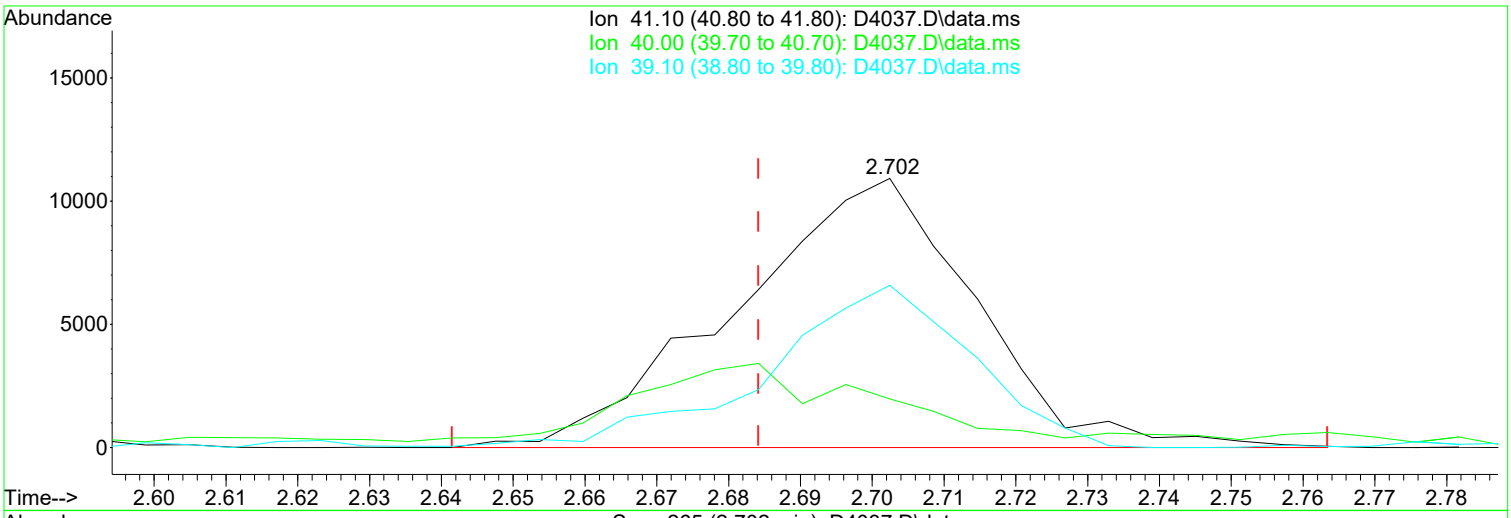
Poor integration.

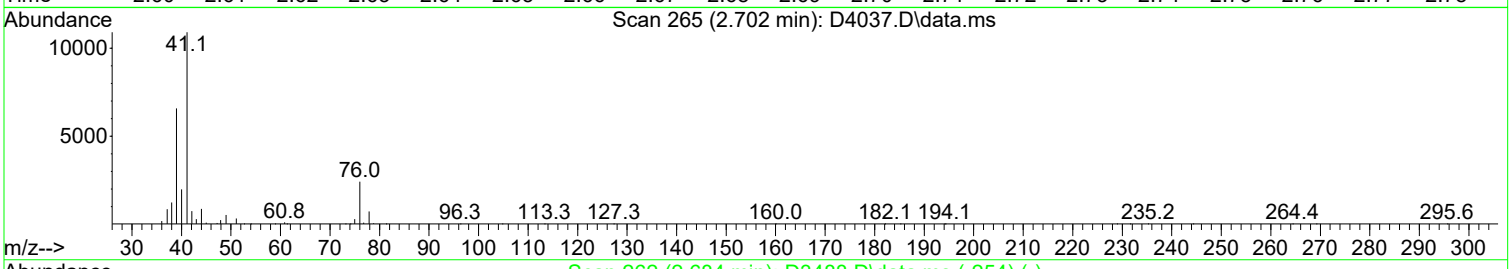
12/08/23

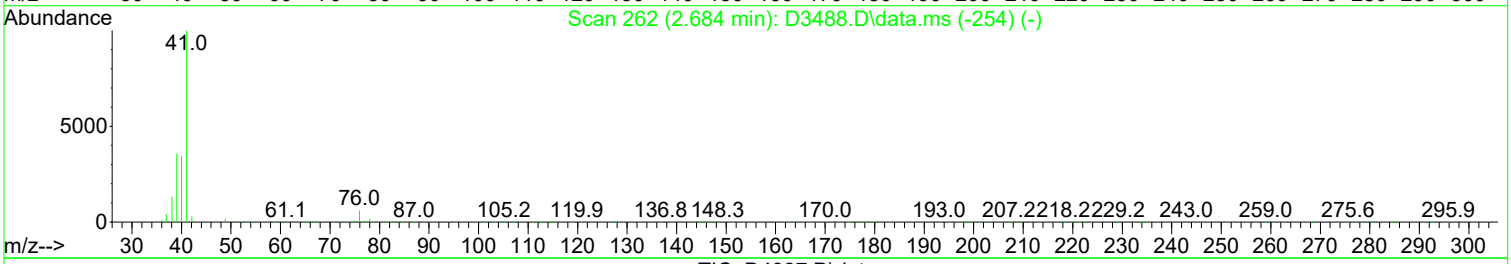
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\120823\
Data File : D4037.D
Acq On : 08 Dec 2023 11:53 am
Operator : F.NAEGLER
Sample : 2.0 PPB STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 08 12:51:55 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Sun Nov 12 10:06:26 2023
Response via : Initial Calibration







TIC: D4037.D\data.ms

(20) Acetonitrile

2.702min (+ 0.018) 28.57 ug/L

response 25250

Ion	Exp%	Act%
41.10	100.00	100.00
40.00	71.20	18.11#
39.10	35.90	60.28#
0.00	0.00	0.00

Manual Integration:

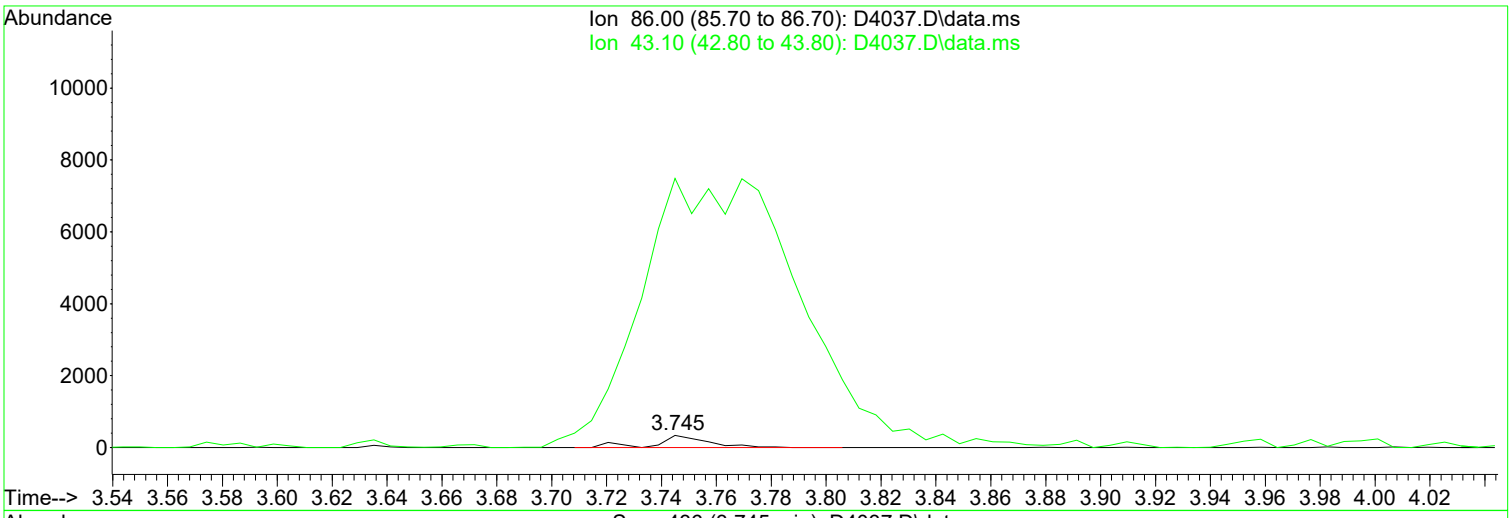
Before

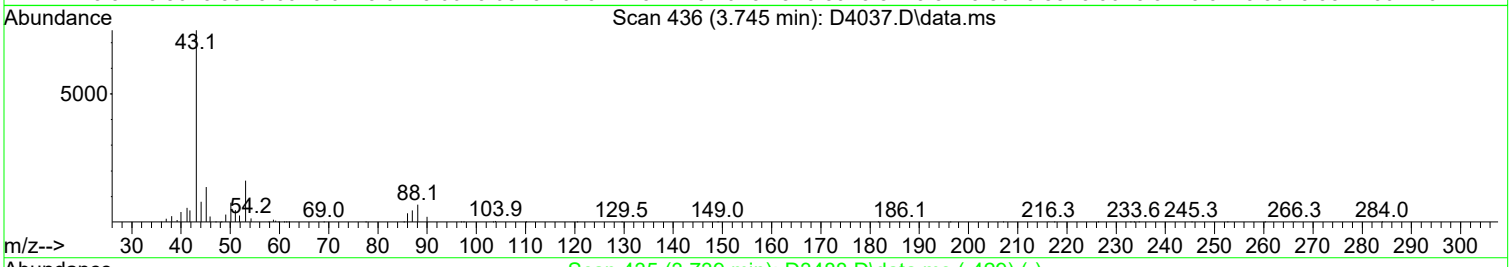
12/08/23

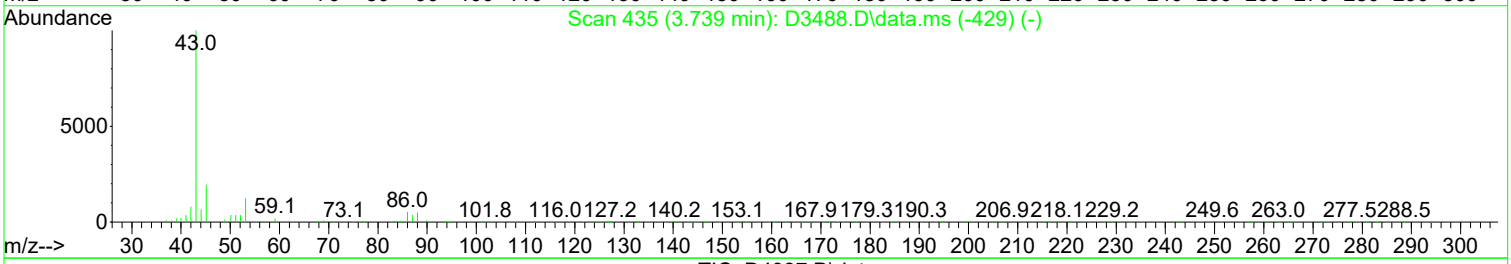
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\120823\
Data File : D4037.D
Acq On : 08 Dec 2023 11:53 am
Operator : F.NAEGLER
Sample : 2.0 PPB STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 08 12:51:55 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Sun Nov 12 10:06:26 2023
Response via : Initial Calibration







TIC: D4037.D\data.ms

(29) Vinyl Acetate

3.745min (+ 0.006) 1.10 ug/L m

response 435

Ion	Exp%	Act%
86.00	100.00	100.00
43.10	1910.70	2194.43#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

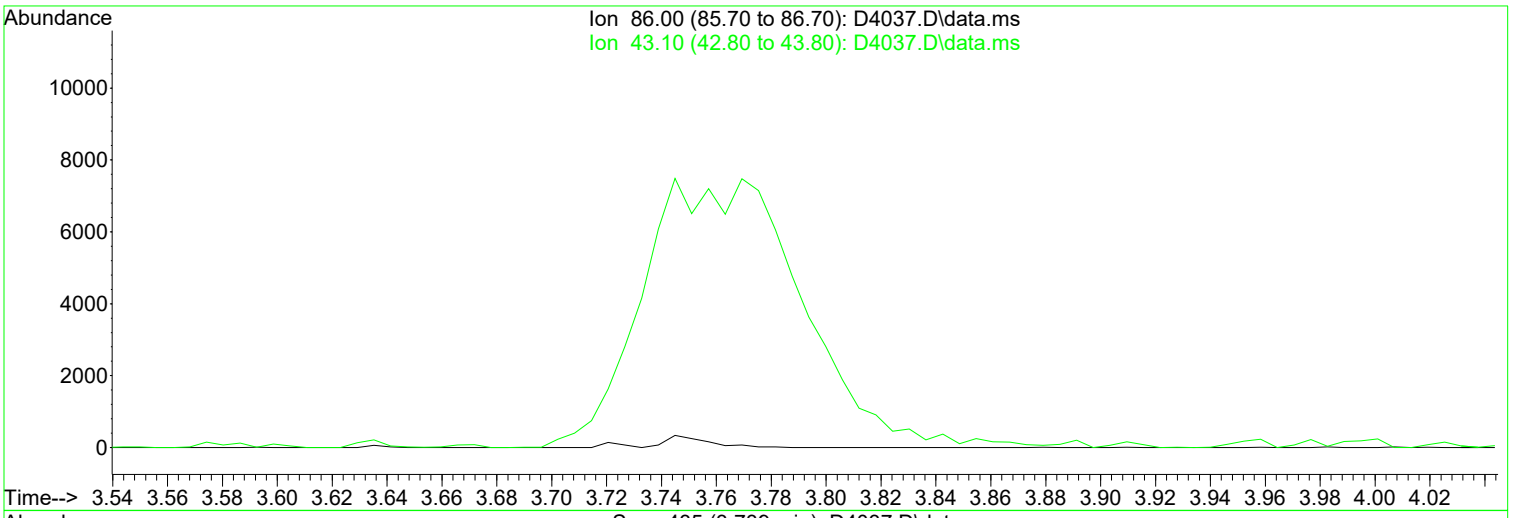
Peak not found.

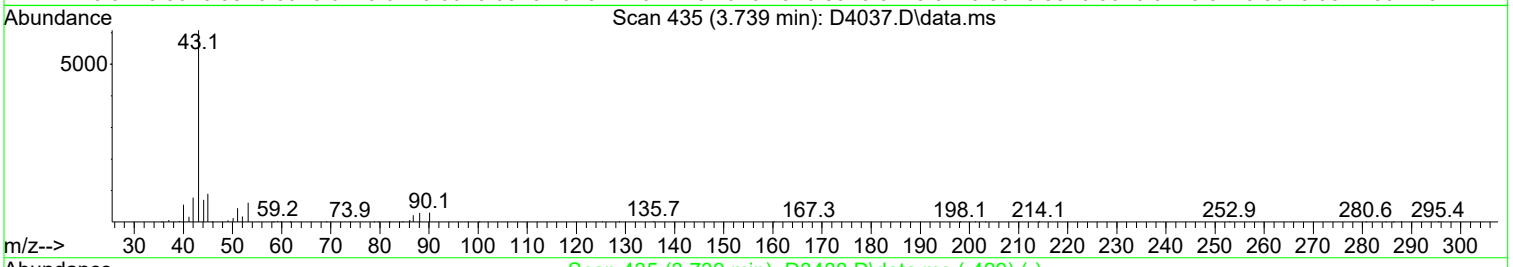
12/08/23

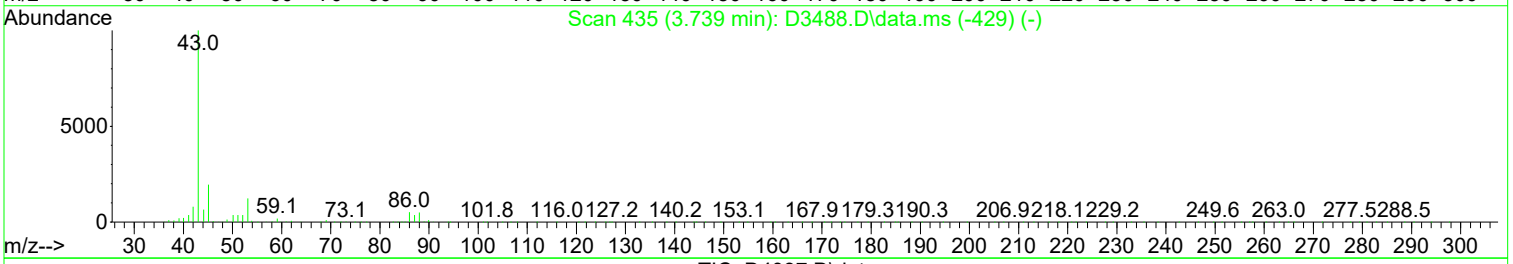
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\120823\
Data File : D4037.D
Acq On : 08 Dec 2023 11:53 am
Operator : F.NAEGLER
Sample : 2.0 PPB STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 08 12:51:55 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Sun Nov 12 10:06:26 2023
Response via : Initial Calibration







TIC: D4037.D\data.ms

(29) Vinyl Acetate

3.739min (-3.739) 0.00 ug/L

response 0

Ion	Exp%	Act%
86.00	100.00	0.00
43.10	1910.70	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

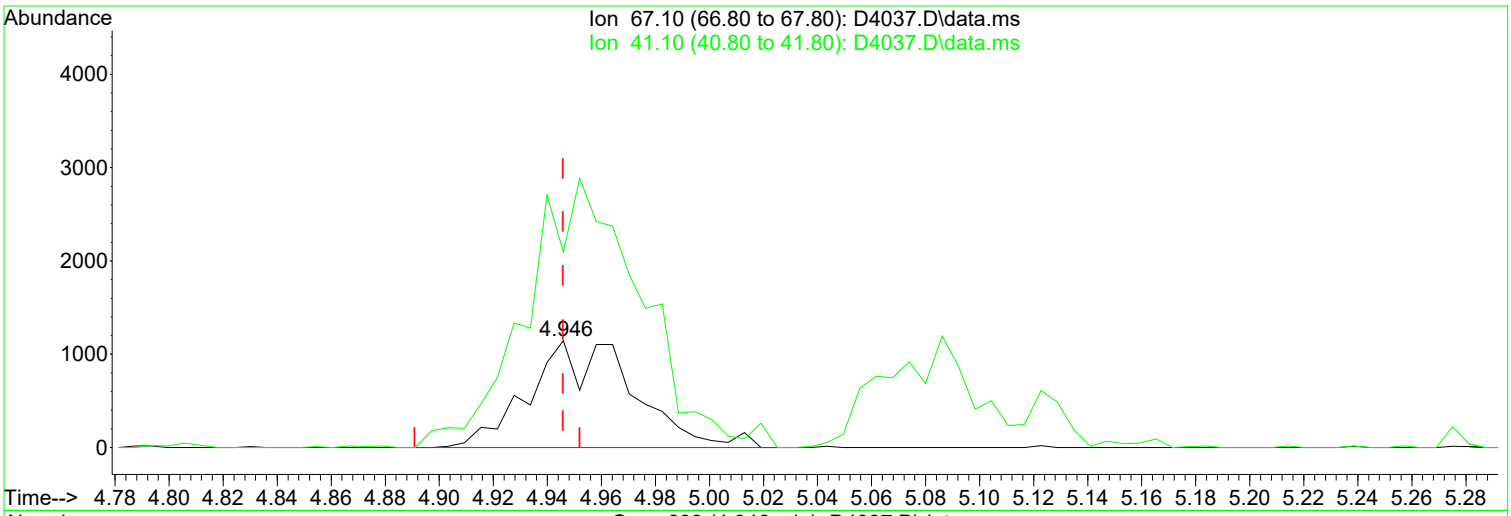
Before

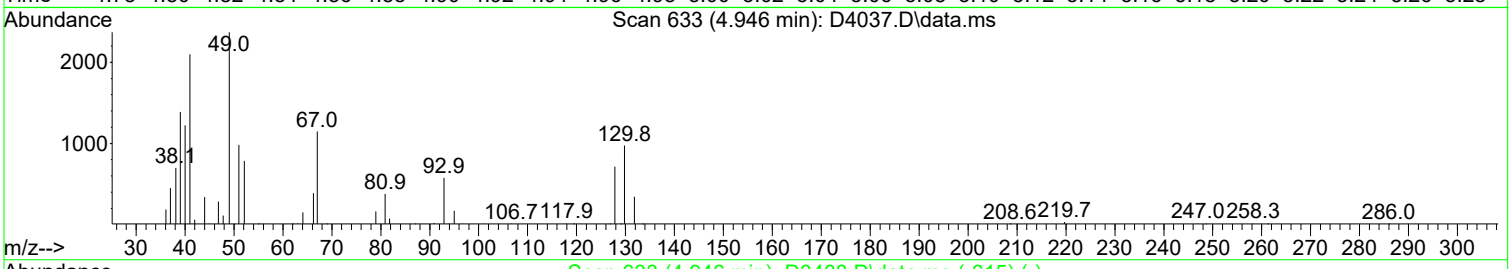
12/08/23

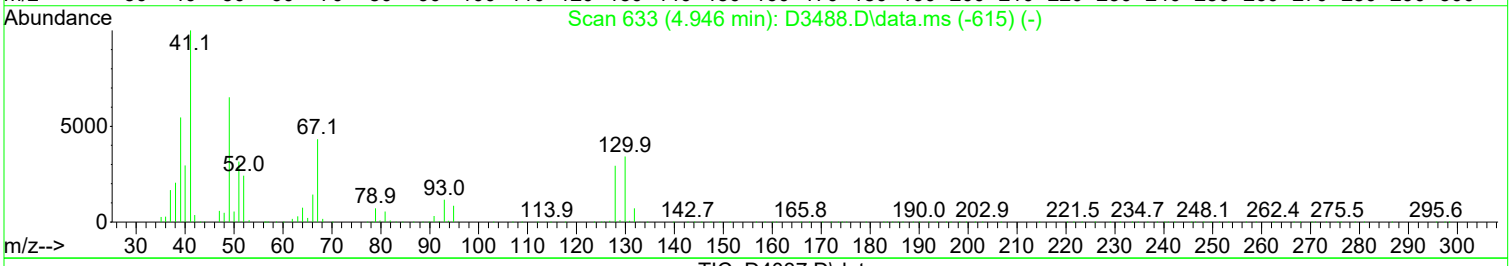
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\120823\
Data File : D4037.D
Acq On : 08 Dec 2023 11:53 am
Operator : F.NAEGLER
Sample : 2.0 PPB STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 08 12:51:55 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Sun Nov 12 10:06:26 2023
Response via : Initial Calibration







TIC: D4037.D\data.ms

(38) Methacrylonitrile

4.946min (+ 0.000) 1.73 ug/L m

response 3081

Ion	Exp%	Act%
67.10	100.00	100.00
41.10	232.70	182.82#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

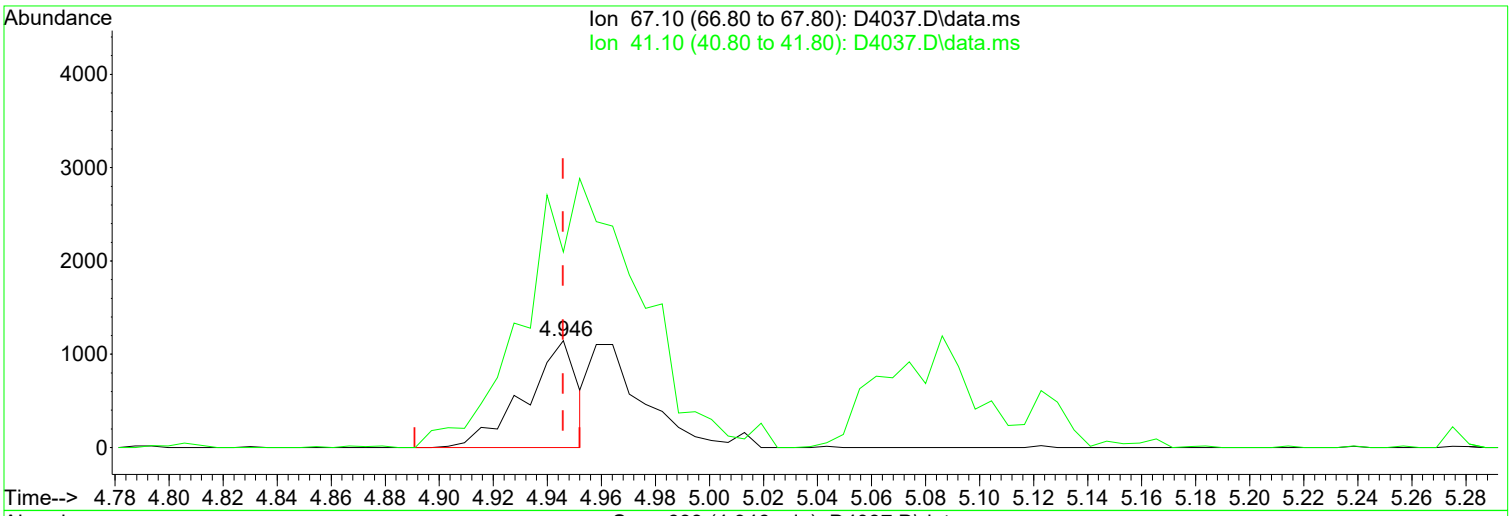
Poor integration.

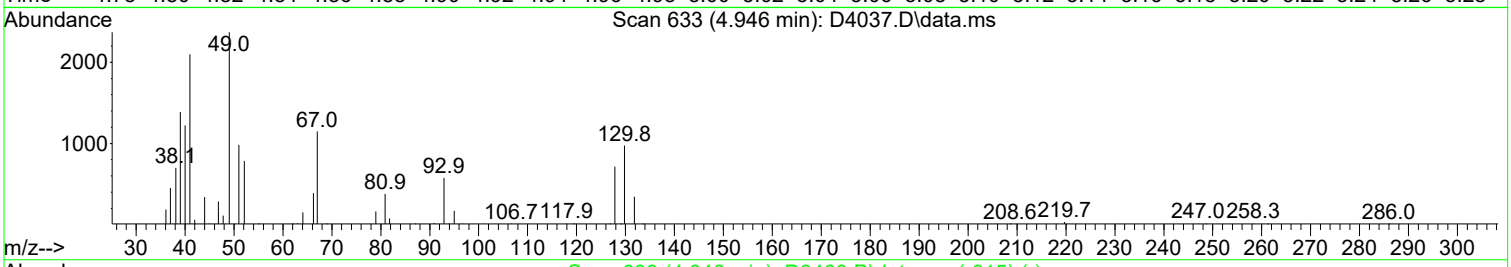
12/08/23

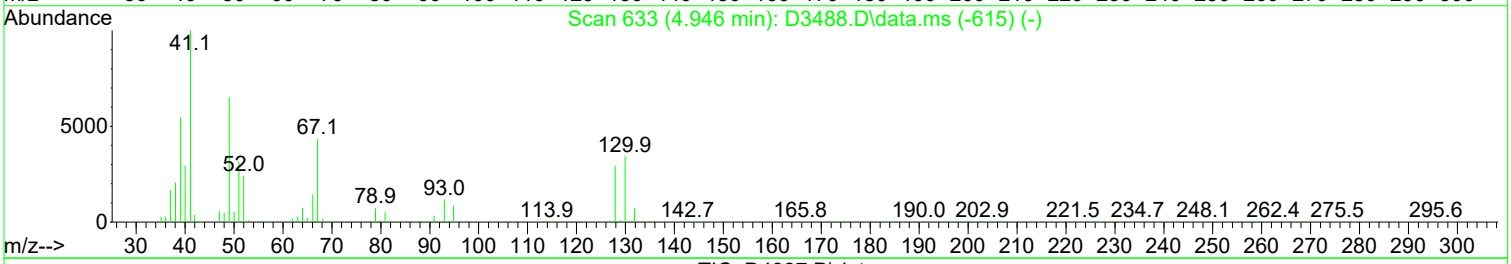
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\120823\
Data File : D4037.D
Acq On : 08 Dec 2023 11:53 am
Operator : F.NAEGLER
Sample : 2.0 PPB STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 08 12:51:55 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Sun Nov 12 10:06:26 2023
Response via : Initial Calibration







TIC: D4037.D\data.ms

(38) Methacrylonitrile

4.946min (+ 0.000) 0.86 ug/L

response 1524

Ion	Exp%	Act%
67.10	100.00	100.00
41.10	232.70	182.82#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

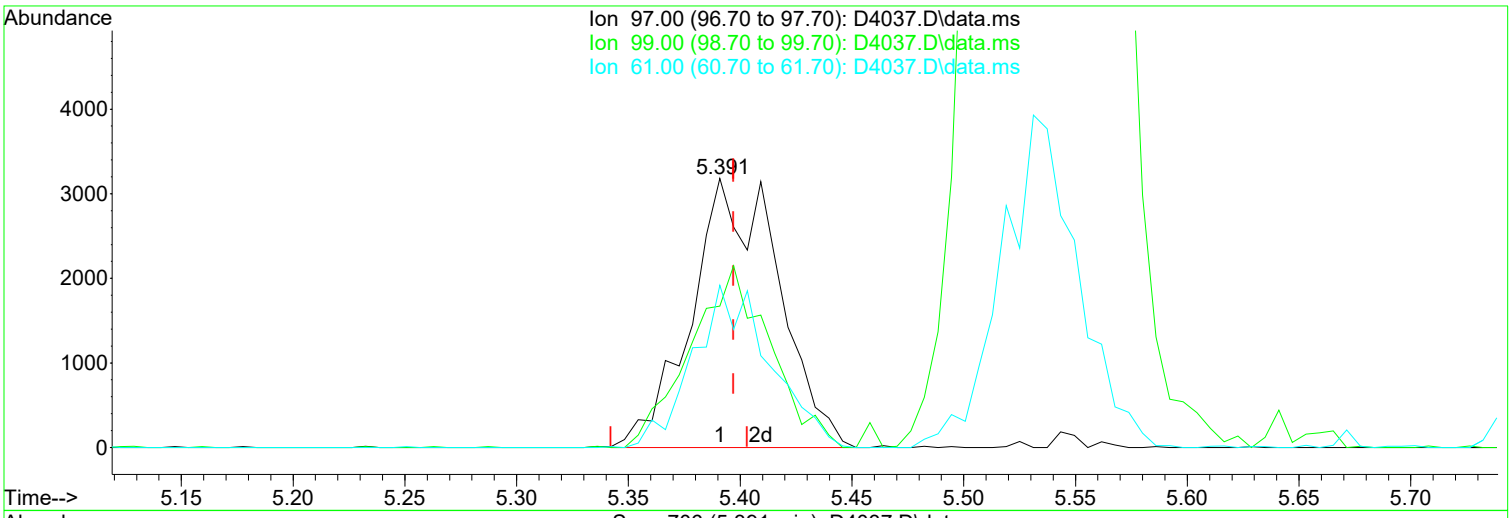
Before

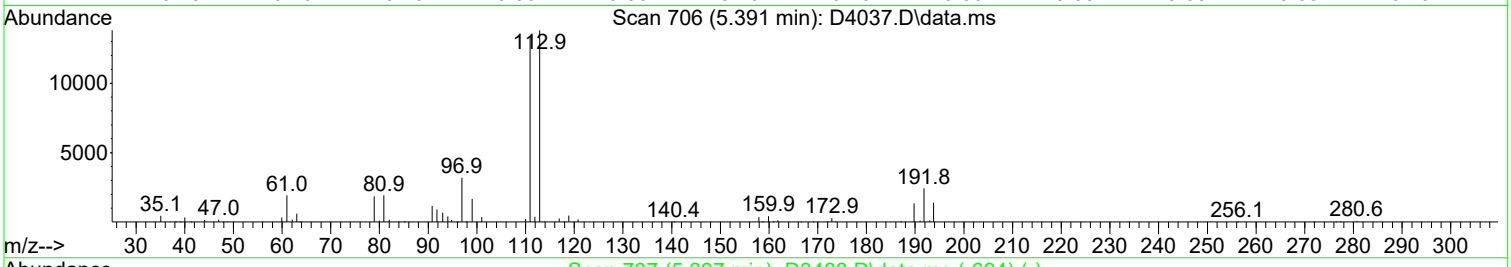
12/08/23

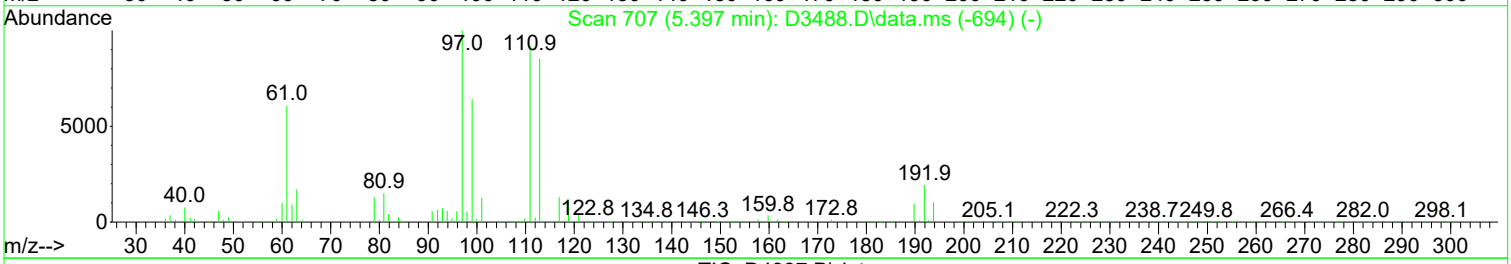
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\120823\
Data File : D4037.D
Acq On : 08 Dec 2023 11:53 am
Operator : F.NAEGLER
Sample : 2.0 PPB STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 08 12:51:55 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Sun Nov 12 10:06:26 2023
Response via : Initial Calibration







TIC: D4037.D\data.ms

(41) 1,1,1-Trichloroethane (P)

5.391min (-0.006) 2.23 ug/L m

response 8625

Ion	Exp%	Act%
97.00	100.00	100.00
99.00	64.20	52.55
61.00	60.80	60.28
0.00	0.00	0.00

Manual Integration:

After

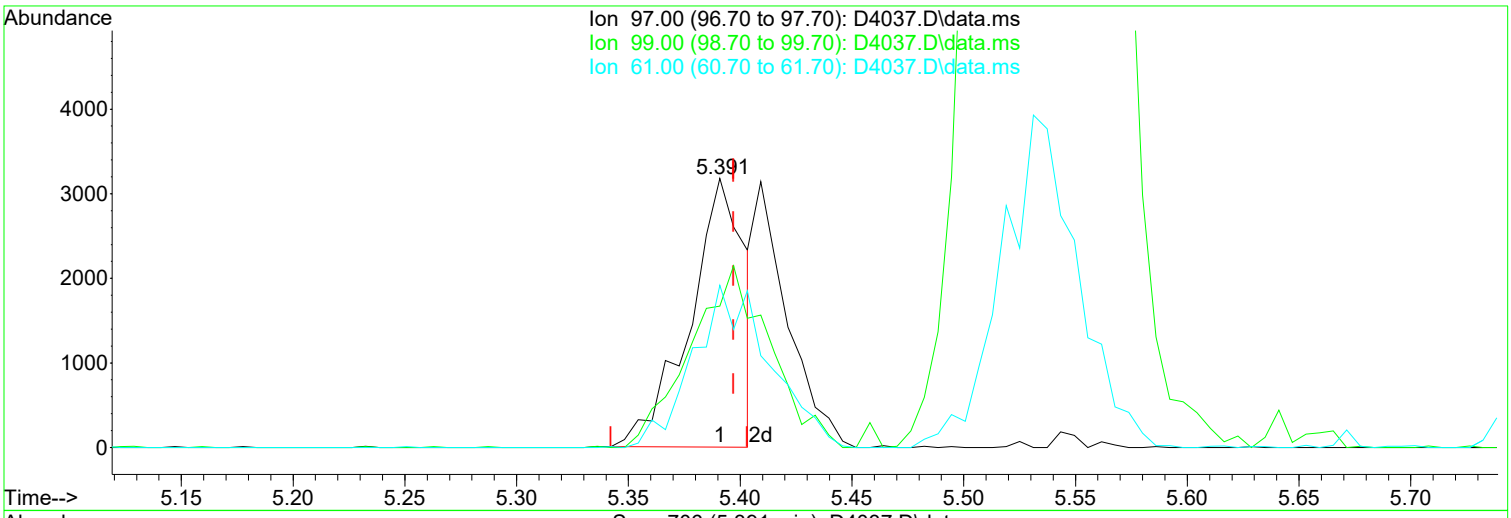
Poor integration.

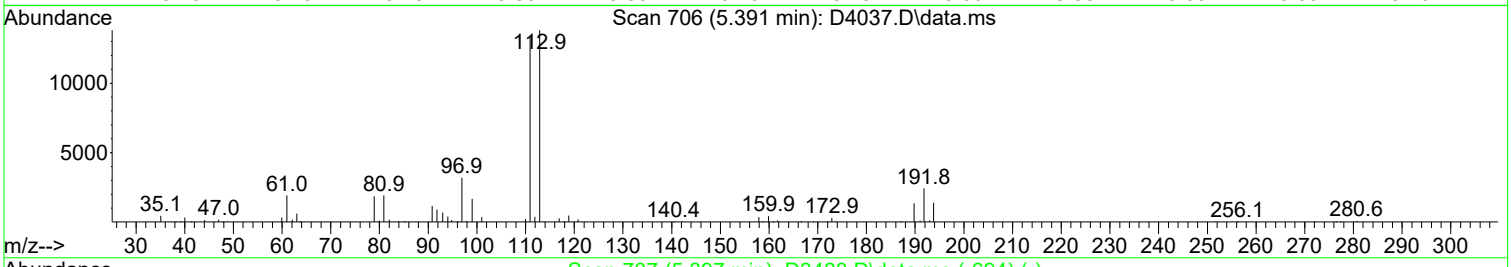
12/08/23

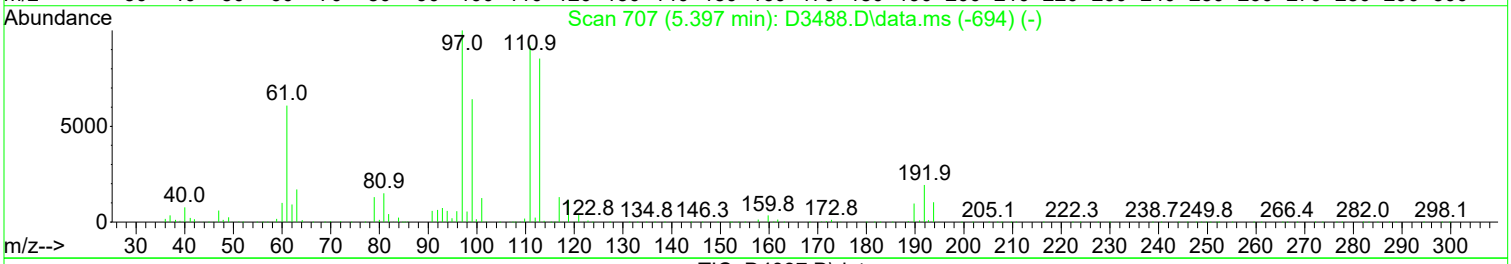
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\120823\
Data File : D4037.D
Acq On : 08 Dec 2023 11:53 am
Operator : F.NAEGLER
Sample : 2.0 PPB STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 08 12:51:55 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Sun Nov 12 10:06:26 2023
Response via : Initial Calibration







TIC: D4037.D\data.ms

(41) 1,1,1-Trichloroethane (P)

5.391min (-0.006) 1.40 ug/L

response 5391

Ion	Exp%	Act%
97.00	100.00	100.00
99.00	64.20	52.55
61.00	60.80	60.28
0.00	0.00	0.00

Manual Integration:

Before

12/08/23

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\120823\
Data File : D4037.D
Acq On : 08 Dec 2023 11:53 am
Operator : F.NAEGLER
Sample : 2.0 PPB STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 08 12:51:55 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Sun Nov 12 10:06:26 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.537	168	375059	50.00	ug/L		0.00
42) 1,4-Difluorobenzene	6.610	114	477723	50.00	ug/L		0.00
71) d5-Chlorobenzene	9.890	117	450268	50.00	ug/L		0.00
91) 1,4-Dichlorobenzene-d4	11.926	152	239511	50.00	ug/L		0.00
System Monitoring Compounds							
44) surr4,Dibrflmethane	5.391	113	35084	12.19	ug/L		0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 24.38%#				
47) surr1,1,2-dichloroetha...	5.921	65	44097	11.80	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 23.60%#				
65) SURR3,Toluene-d8	8.409	98	128214	11.45	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 22.90%#				
70) SURR2,BFB	10.957	95	48336	11.24	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 22.48%#				
Target Compounds							Qvalue
2) Chlorodifluoromethane	1.203	51	7472	1.367	ug/L		94
3) Dichlorodifluoromethane	1.191	85	7625	2.685	ug/L		92
4) Chloromethane	1.325	50	10220	1.848	ug/L		100
5) Vinyl Chloride	1.404	62	7666	1.884	ug/L		72
6) Bromomethane	1.642	94	4002	1.916	ug/L		92
7) Chloroethane	1.727	64	5422	1.857	ug/L		88
8) Freon 21	1.873	67	9658	1.561	ug/L		100
9) Trichlorofluoromethane	1.922	101	8381	1.846	ug/L		97
10) Diethyl Ether	2.166	59	6457	1.777	ug/L		86
11) Freon 123a	2.172	67	6713	1.732	ug/L		80
12) Freon 123	2.221	83	7204	1.725	ug/L		86
13) Acrolein	2.276	56	9104	10.491	ug/L		82
14) 1,1-Diclethene	2.355	96	5245	2.051	ug/L	#	77
15) Freon 113	2.355	101	5554	1.965	ug/L		96
16) Acetone	2.416	43	6331	2.379	ug/L		90
17) 2-Propanol	2.556	45	17511	45.751	ug/L		95
18) Iodomethane	2.501	142	3033	0.620	ug/L		89
19) Carbon Disulfide	2.556	76	14987	1.720	ug/L		92
20) Acetonitrile	2.684	41	7003m	7.923	ug/L		
21) Allyl Chloride	2.702	76	3148	1.994	ug/L	#	72
22) Methyl Acetate	2.733	43	14692	2.041	ug/L		95
23) Methylene Chloride	2.824	84	5402	1.730	ug/L	#	80
24) TBA	2.971	59	20977	45.180	ug/L		83
25) Acrylonitrile	3.099	53	19599	8.460	ug/L		89
26) Methyl-t-Butyl Ether	3.154	73	18652	2.068	ug/L		96
27) trans-1,2-Dichloroethene	3.129	96	5457	1.887	ug/L	#	86
28) 1,1-Diclethane	3.647	63	11070	1.755	ug/L		93
29) Vinyl Acetate	3.745	86	435m	1.096	ug/L		
30) DIPE	3.781	45	33849	1.923	ug/L		92
31) 2-Chloro-1,3-Butadiene	3.769	53	12665	1.831	ug/L		99
32) ETBE	4.330	59	23250	2.527	ug/L		94
33) 2,2-Dichloropropane	4.501	77	9053	3.451	ug/L		90
34) cis-1,2-Dichloroethene	4.507	96	5905	1.719	ug/L		85
35) 2-Butanone	4.611	43	7794	2.136	ug/L		87
36) Propionitrile	4.684	54	9413	10.338	ug/L		91
37) Bromochloromethane	4.940	130	4145	1.795	ug/L	#	91
38) Methacrylonitrile	4.946	67	3081m	1.732	ug/L		
39) Tetrahydrofuran	5.074	42	4827	2.094	ug/L		78
40) Chloroform	5.123	83	9570	1.753	ug/L		92

1st FNJ 12/08/23
2nd WR 12/13/23

Data Path : I:\ACQUDATA\msvoa10\data\120823\
Data File : D4037.D
Acq On : 08 Dec 2023 11:53 am
Operator : F.NAEGLER
Sample : 2.0 PPB STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 08 12:51:55 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Sun Nov 12 10:06:26 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) 1,1,1-Trichloroethane	5.391	97	8625m	2.234	ug/L		
43) Cyclohexane	5.482	41	7816	1.716	ug/L		94
45) Carbontetrachloride	5.671	117	7977	2.619	ug/L		91
46) 1,1-Dichloropropene	5.684	75	7599	2.076	ug/L		86
48) Benzene	5.994	78	21446	1.924	ug/L		96
49) 1,2-Dichloroethane	6.049	62	10712	2.195	ug/L		94
50) Iso-Butyl Alcohol	6.043	43	11642	46.075	ug/L		93
51) TAME	6.244	73	16969	2.525	ug/L		87
52) n-Heptane	6.464	43	11131	2.133	ug/L		86
53) 1-Butanol	6.982	56	12635	111.196	ug/L	#	62
54) Trichloroethene	6.927	130	6647	2.099	ug/L	#	84
55) Methylcyclohexane	7.165	55	8306	1.673	ug/L		88
56) 1,2-Diclpropane	7.208	63	6126	1.736	ug/L		99
57) Dibromomethane	7.348	93	4494	2.199	ug/L	#	81
58) 1,4-Dioxane	7.439	88	1806	31.535	ug/L	#	46
59) Methyl Methacrylate	7.439	69	4665	1.920	ug/L	#	87
60) Bromodichloromethane	7.573	83	7296	1.911	ug/L		97
61) 2-Nitropropane	7.866	41	5041	4.106	ug/L		91
62) 2-Chloroethylvinyl Ether	7.976	63	3579	1.632	ug/L		100
63) cis-1,3-Dichloropropene	8.110	75	9461	2.333	ug/L		91
64) 4-Methyl-2-pentanone	8.329	43	11346	1.732	ug/L		86
66) Toluene	8.482	91	24649	1.975	ug/L		97
67) trans-1,3-Dichloropropene	8.756	75	7589	2.331	ug/L		97
68) Ethyl Methacrylate	8.890	69	8242	1.951	ug/L		87
69) 1,1,2-Trichloroethane	8.939	97	5793	1.966	ug/L		86
72) Tetrachloroethene	9.061	164	4959	1.884	ug/L	#	88
73) 2-Hexanone	9.226	43	9392	1.983	ug/L		84
74) 1,3-Dichloropropane	9.104	76	9368	1.886	ug/L	#	73
75) Dibromochloromethane	9.329	129	6549	2.021	ug/L		82
76) N-Butyl Acetate	9.378	43	17763	2.061	ug/L		98
77) 1,2-Dibromoethane	9.421	107	5981	2.076	ug/L		97
78) 3-Chlorobenzotrifluoride	9.927	180	11259	2.353	ug/L		83
79) Chlorobenzene	9.914	112	15568	1.888	ug/L		92
80) 4-Chlorobenzotrifluoride	9.982	180	9134	2.121	ug/L		92
81) 1,1,1,2-Tetrachloroethane	10.000	131	6656	2.491	ug/L		85
82) Ethylbenzene	10.036	106	7651	1.753	ug/L		94
83) (m+p)Xylene	10.146	106	21810	3.977	ug/L	#	82
84) o-Xylene	10.500	106	10368	1.919	ug/L	#	69
85) Styrene	10.512	104	15870	1.720	ug/L		86
86) Bromoform	10.664	173	3779	1.686	ug/L	#	68
87) 2-Chlorobenzotrifluoride	10.744	180	10548	2.228	ug/L		91
88) Isopropylbenzene	10.835	105	26161	1.954	ug/L		92
89) Cyclohexanone	10.908	55	36807	41.869	ug/L		95
90) trans-1,4-Dichloro-2-B...	11.140	53	2896	1.986	ug/L		82
92) 1,1,2,2-Tetrachloroethane	11.097	83	8276	1.986	ug/L		90
93) Bromobenzene	11.079	156	8062	1.930	ug/L	#	89
94) 1,2,3-Trichloropropane	11.128	110	2561	1.793	ug/L	#	72
95) n-Propylbenzene	11.189	91	27892	1.777	ug/L		97
96) 2-Chlorotoluene	11.250	91	18670	1.914	ug/L		96
97) 3-Chlorotoluene	11.304	91	19573	2.046	ug/L		93
98) 4-Chlorotoluene	11.347	91	21923	1.968	ug/L		92
99) 1,3,5-Trimethylbenzene	11.335	105	21674	1.844	ug/L		94
100) tert-Butylbenzene	11.609	119	19475	1.903	ug/L		95
101) 1,2,4-Trimethylbenzene	11.646	105	22787	1.912	ug/L		87
102) 3,4-Dichlorobenzotrifl...	11.707	214	9169	2.419	ug/L		98
103) sec-Butylbenzene	11.792	105	24788	1.797	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\120823\
Data File : D4037.D
Acq On : 08 Dec 2023 11:53 am
Operator : F.NAEGLER
Sample : 2.0 PPB STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 08 12:51:55 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Sun Nov 12 10:06:26 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
104) p-Isopropyltoluene	11.914	119	20831	1.682	ug/L		96
105) 1,3-Dclbenz	11.877	146	13756	1.856	ug/L		86
106) 1,4-Dclbenz	11.951	146	14478	1.919	ug/L		88
107) 2,4-Dichlorobenzotrifl...	11.999	214	6712	1.824	ug/L		95
108) 2,5-Dichlorobenzotrifl...	12.042	214	8799	2.155	ug/L		96
109) n-Butylbenzene	12.243	91	19026	1.826	ug/L		90
110) 1,2-Dclbenz	12.249	146	14012	1.915	ug/L		85
111) 1,2-Dibromo-3-chloropr...	12.871	157	2413	2.407	ug/L		79
112) Trielution Dichlorotol...	12.987	125	35025	6.040	ug/L		91
113) 1,3,5-Trichlorobenzene	13.042	180	11651	2.057	ug/L		96
114) Coelution Dichlorotoluene	13.316	125	26020	4.012	ug/L		92
115) 1,2,4-Tcbenzene	13.530	180	11482	2.074	ug/L		90
116) Hexachlorobt	13.664	225	3911	1.645	ug/L	#	76
117) Naphthalen	13.719	128	28248	1.884	ug/L		97
118) 1,2,3-Tclbenzene	13.908	180	11117	2.010	ug/L		91
119) 2,4,5-Trichlorotoluene	14.493	159	6053	1.816	ug/L		95
120) 2,3,6-Trichlorotoluene	14.578	159	5833	1.955	ug/L		86

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\120823\
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Acq On : 08 Dec 2023 11:53 am
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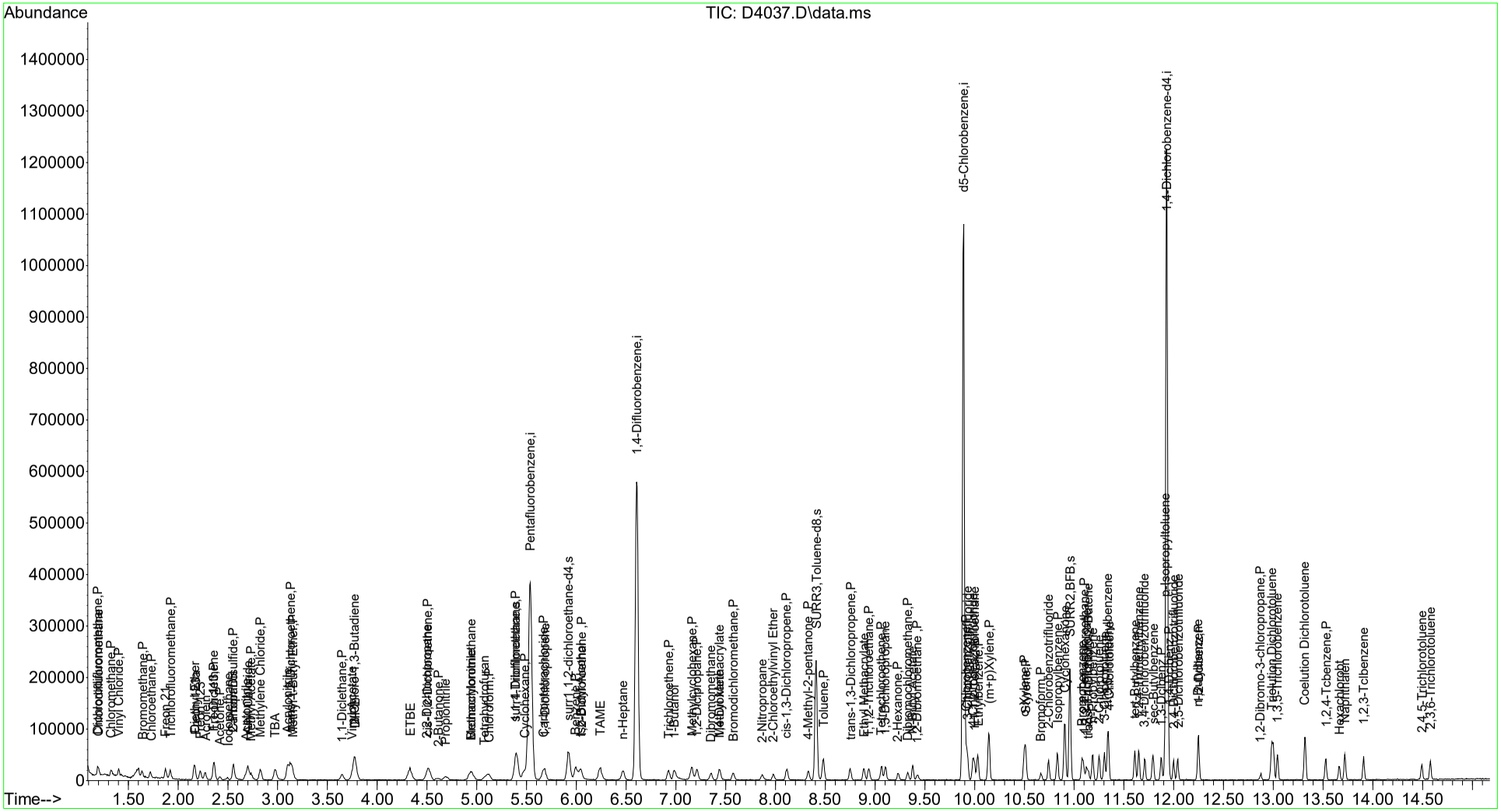
Sample : 2.0 PPB STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 08 12:51:55 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Sun Nov 12 10:06:26 2023
Response via : Initial Calibration

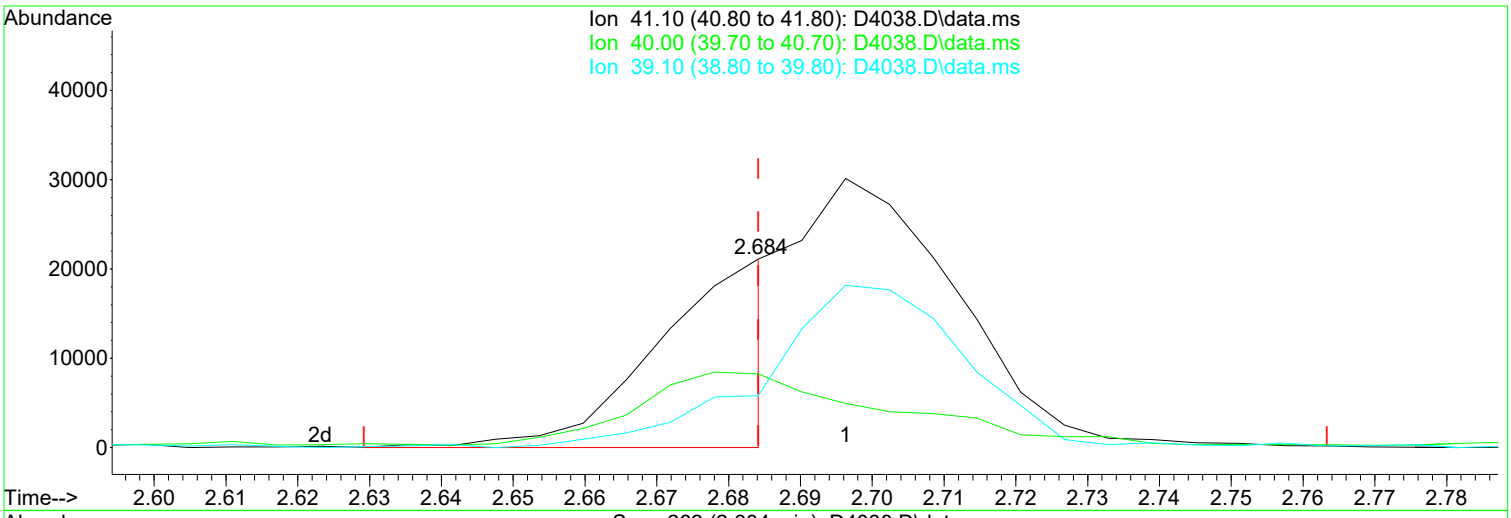


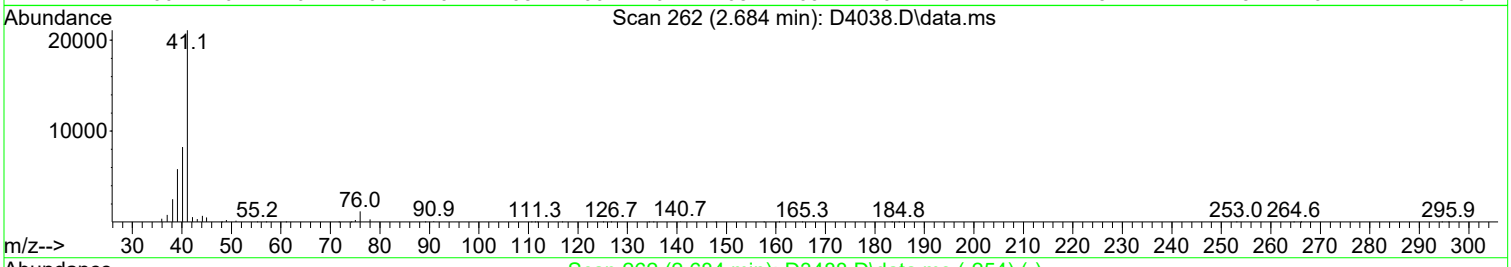
1st FJ 12/08/23
2nd 12/13/23

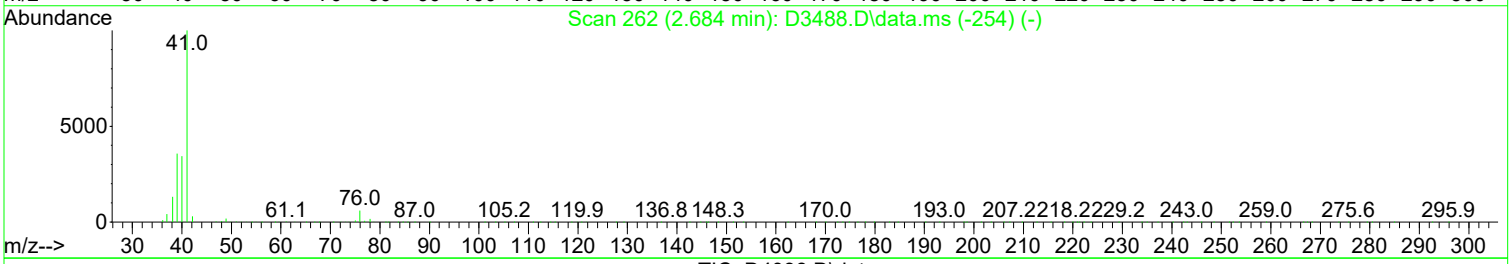
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\120823\
Data File : D4038.D
Acq On : 08 Dec 2023 12:16 pm
Operator : F.NAEGLER
Sample : 5.0 PPB STD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 08 12:53:58 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Sun Nov 12 10:06:26 2023
Response via : Initial Calibration







TIC: D4038.D\data.ms

(20) Acetonitrile

2.684min (-0.000) 28.21 ug/L m

response 24029

Ion	Exp%	Act%
41.10	100.00	100.00
40.00	71.20	39.06#
39.10	35.90	27.53
0.00	0.00	0.00

Manual Integration:

After

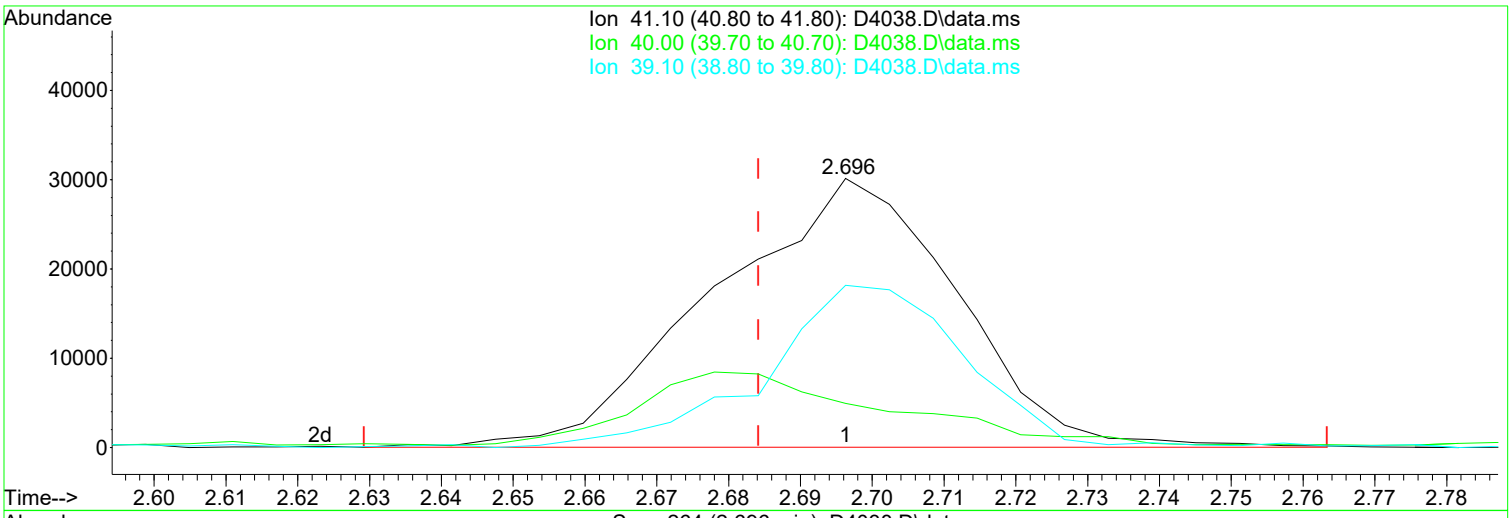
Poor integration.

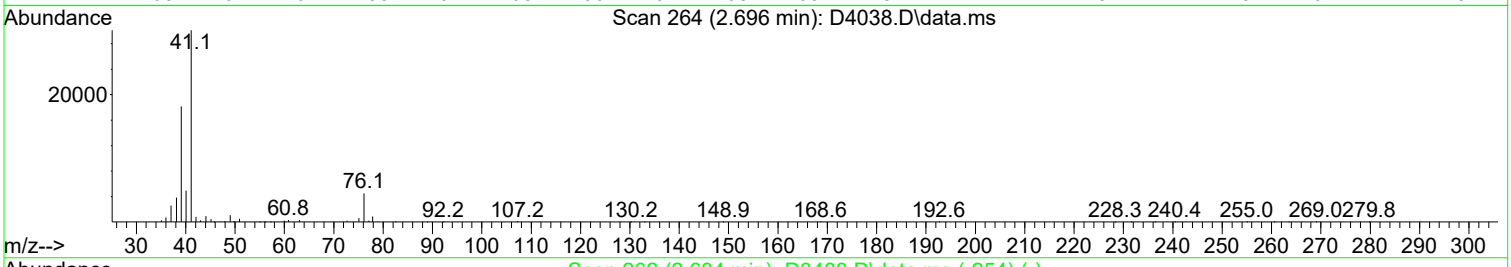
12/08/23

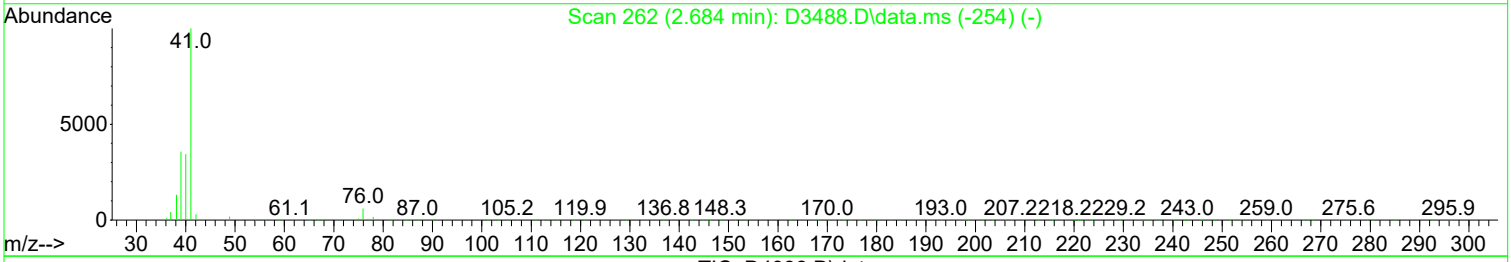
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\120823\
Data File : D4038.D
Acq On : 08 Dec 2023 12:16 pm
Operator : F.NAEGLER
Sample : 5.0 PPB STD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 08 12:53:58 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Sun Nov 12 10:06:26 2023
Response via : Initial Calibration







TIC: D4038.D\data.ms

(20) Acetonitrile

2.696min (+ 0.012) 82.88 ug/L

response 70590

Ion	Exp%	Act%
41.10	100.00	100.00
40.00	71.20	16.39#
39.10	35.90	60.33#
0.00	0.00	0.00

Manual Integration:

Before

12/08/23

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\120823\
Data File : D4038.D
Acq On : 08 Dec 2023 12:16 pm
Operator : F.NAEGLER
Sample : 5.0 PPB STD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 08 12:53:58 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Sun Nov 12 10:06:26 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.537	168	361433	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	6.604	114	470587	50.00	ug/L	0.00
71) d5-Chlorobenzene	9.890	117	436288	50.00	ug/L	0.00
91) 1,4-Dichlorobenzene-d4	11.932	152	239553	50.00	ug/L	0.00
System Monitoring Compounds						
44) surr4,Dibrflmethane	5.397	113	34887	12.30	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 24.60%#			
47) surr1,1,2-dichloroetha...	5.921	65	46235	12.56	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 25.12%#			
65) SURR3,Toluene-d8	8.402	98	123028	11.16	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 22.32%#			
70) SURR2,BFB	10.957	95	48668	11.49	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 22.98%#			
Target Compounds						Qvalue
2) Chlorodifluoromethane	1.203	51	20036	3.803	ug/L	99
3) Dichlorodifluoromethane	1.190	85	18190	6.646	ug/L	82
4) Chloromethane	1.325	50	28156	5.283	ug/L	87
5) Vinyl Chloride	1.404	62	18988	4.843	ug/L	76
6) Bromomethane	1.636	94	8893	4.419	ug/L	98
7) Chloroethane	1.715	64	12804	4.551	ug/L	95
8) Freon 21	1.873	67	24149	4.049	ug/L	92
9) Trichlorofluoromethane	1.922	101	23691	5.414	ug/L	90
10) Diethyl Ether	2.160	59	16749	4.783	ug/L	92
11) Freon 123a	2.166	67	17083	4.573	ug/L	96
12) Freon 123	2.221	83	18959	4.711	ug/L	92
13) Acrolein	2.270	56	24956	29.842	ug/L	86
14) 1,1-Diclethene	2.355	96	12752	5.175	ug/L	90
15) Freon 113	2.367	101	14549	5.341	ug/L	96
16) Acetone	2.416	43	14117	5.505	ug/L	98
17) 2-Propanol	2.556	45	48705	132.049	ug/L	99
18) Iodomethane	2.501	142	14602	3.098	ug/L	98
19) Carbon Disulfide	2.556	76	39516	4.706	ug/L	97
20) Acetonitrile	2.684	41	24029m	28.211	ug/L	
21) Allyl Chloride	2.702	76	8105	5.329	ug/L	96
22) Methyl Acetate	2.739	43	36714	5.294	ug/L	91
23) Methylene Chloride	2.824	84	15262	5.072	ug/L #	83
24) TBA	2.971	59	56027	125.221	ug/L	94
25) Acrylonitrile	3.093	53	58323	26.123	ug/L	97
26) Methyl-t-Butyl Ether	3.135	73	49767	5.725	ug/L	96
27) trans-1,2-Dichloroethene	3.123	96	14612	5.244	ug/L #	83
28) 1,1-Diclethane	3.641	63	31416	5.169	ug/L	90
29) Vinyl Acetate	3.745	86	2255	5.893	ug/L #	50
30) DIPE	3.775	45	89854	5.299	ug/L	89
31) 2-Chloro-1,3-Butadiene	3.769	53	34959	5.246	ug/L	93
32) ETBE	4.324	59	59629	6.726	ug/L	97
33) 2,2-Dichloropropane	4.513	77	20933	8.281	ug/L	95
34) cis-1,2-Dichloroethene	4.513	96	16460	4.973	ug/L #	81
35) 2-Butanone	4.592	43	18092	5.144	ug/L	92
36) Propionitrile	4.684	54	24704	28.155	ug/L	95
37) Bromochloromethane	4.928	130	12466	5.603	ug/L	94
38) Methacrylonitrile	4.952	67	9083	5.300	ug/L #	82
39) Tetrahydrofuran	5.068	42	12550	5.651	ug/L	82
40) Chloroform	5.110	83	26079	4.956	ug/L	93

1st FNJ 12/08/23
2nd WR 12/13/23

Data Path : I:\ACQUDATA\msvoa10\data\120823\
Data File : D4038.D
Acq On : 08 Dec 2023 12:16 pm
Operator : F.NAEGLER
Sample : 5.0 PPB STD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 08 12:53:58 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Sun Nov 12 10:06:26 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) 1,1,1-Trichloroethane	5.397	97	22828	6.135	ug/L		92
43) Cyclohexane	5.476	41	23273	5.188	ug/L		96
45) Carbontetrachloride	5.665	117	19462	6.487	ug/L		96
46) 1,1-Dichloropropene	5.677	75	18258	5.063	ug/L		98
48) Benzene	5.994	78	58039	5.286	ug/L		98
49) 1,2-Dichloroethane	6.037	62	28843	5.999	ug/L		89
50) Iso-Butyl Alcohol	6.037	43	32822	131.868	ug/L		85
51) TAME	6.232	73	46507	7.024	ug/L		87
52) n-Heptane	6.464	43	29323	5.703	ug/L		95
53) 1-Butanol	6.976	56	36507	326.156	ug/L		95
54) Trichloroethene	6.927	130	16829	5.396	ug/L		85
55) Methylcyclohexane	7.153	55	25279	5.170	ug/L		83
56) 1,2-Diclpropane	7.214	63	17613	5.066	ug/L		92
57) Dibromomethane	7.354	93	10713	5.321	ug/L		85
58) 1,4-Dioxane	7.427	88	5900	104.584	ug/L		93
59) Methyl Methacrylate	7.439	69	12221	5.106	ug/L		93
60) Bromodichloromethane	7.573	83	20874	5.549	ug/L		96
61) 2-Nitropropane	7.860	41	14409	11.913	ug/L		85
62) 2-Chloroethylvinyl Ether	7.982	63	9665	4.473	ug/L		93
63) cis-1,3-Dichloropropene	8.110	75	23576	5.902	ug/L		95
64) 4-Methyl-2-pentanone	8.329	43	34224	5.303	ug/L		95
66) Toluene	8.482	91	64418	5.239	ug/L		92
67) trans-1,3-Dichloropropene	8.750	75	21816	6.801	ug/L		90
68) Ethyl Methacrylate	8.890	69	20889	5.019	ug/L		86
69) 1,1,2-Trichloroethane	8.939	97	15416	5.312	ug/L		86
72) Tetrachloroethene	9.061	164	13954	5.470	ug/L	#	88
73) 2-Hexanone	9.232	43	25066	5.462	ug/L		96
74) 1,3-Dichloropropane	9.104	76	27218	5.656	ug/L		99
75) Dibromochloromethane	9.329	129	16500	5.256	ug/L		99
76) N-Butyl Acetate	9.378	43	51806	6.205	ug/L		90
77) 1,2-Dibromoethane	9.427	107	16280	5.831	ug/L		91
78) 3-Chlorobenzotrifluoride	9.927	180	28449	6.137	ug/L		98
79) Chlorobenzene	9.914	112	43787	5.481	ug/L		98
80) 4-Chlorobenzotrifluoride	9.981	180	25124	6.021	ug/L		95
81) 1,1,1,2-Tetrachloroethane	10.000	131	16284	6.291	ug/L		95
82) Ethylbenzene	10.030	106	23306	5.510	ug/L		97
83) (m+p)Xylene	10.146	106	56172	10.572	ug/L		93
84) o-Xylene	10.500	106	26394	5.041	ug/L		94
85) Styrene	10.512	104	45782	5.121	ug/L		92
86) Bromoform	10.664	173	12514	5.762	ug/L		92
87) 2-Chlorobenzotrifluoride	10.744	180	27845	6.070	ug/L		89
88) Isopropylbenzene	10.829	105	70267	5.418	ug/L		98
89) Cyclohexanone	10.902	55	103240	121.200	ug/L		96
90) trans-1,4-Dichloro-2-B...	11.140	53	9354	6.620	ug/L		73
92) 1,1,2,2-Tetrachloroethane	11.097	83	21598	5.181	ug/L		99
93) Bromobenzene	11.079	156	21764	5.209	ug/L		93
94) 1,2,3-Trichloropropane	11.121	110	7805	5.463	ug/L	#	82
95) n-Propylbenzene	11.189	91	77752	4.953	ug/L		97
96) 2-Chlorotoluene	11.250	91	49335	5.057	ug/L		99
97) 3-Chlorotoluene	11.304	91	53430	5.583	ug/L		94
98) 4-Chlorotoluene	11.341	91	56674	5.087	ug/L		98
99) 1,3,5-Trimethylbenzene	11.335	105	58913	5.012	ug/L		98
100) tert-Butylbenzene	11.609	119	53379	5.214	ug/L		99
101) 1,2,4-Trimethylbenzene	11.646	105	60536	5.078	ug/L		94
102) 3,4-Dichlorobenzotrifl...	11.707	214	22587	5.958	ug/L		96
103) sec-Butylbenzene	11.792	105	68593	4.972	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\120823\
Data File : D4038.D
Acq On : 08 Dec 2023 12:16 pm
Operator : F.NAEGLER
Sample : 5.0 PPB STD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 08 12:53:58 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Sun Nov 12 10:06:26 2023
Response via : Initial Calibration

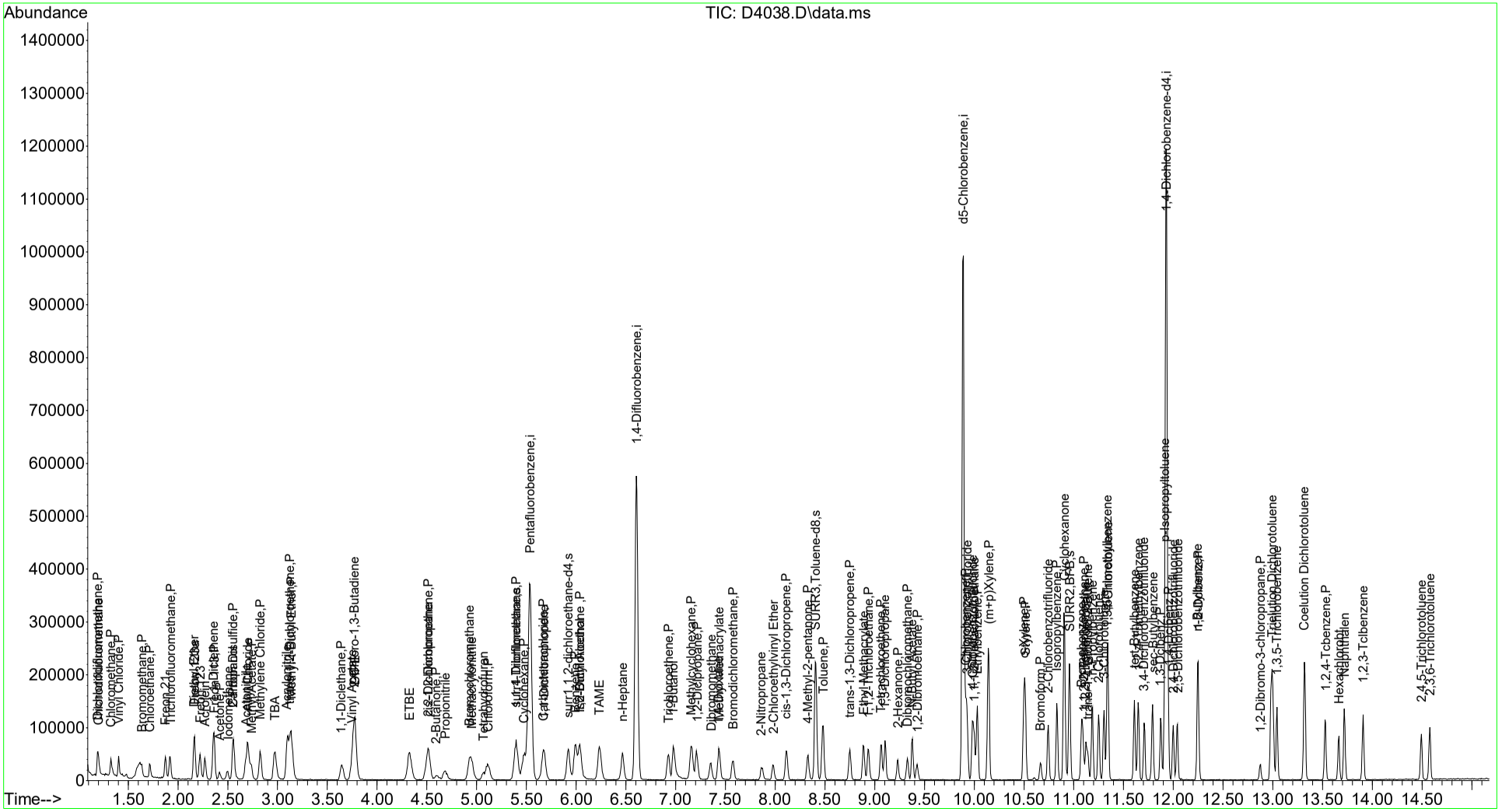
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) p-Isopropyltoluene	11.914	119	64262	5.189	ug/L	95
105) 1,3-Dclbenz	11.871	146	37932	5.118	ug/L	94
106) 1,4-Dclbenz	11.951	146	37629	4.987	ug/L	96
107) 2,4-Dichlorobenzotrifl...	11.999	214	20277	5.511	ug/L	98
108) 2,5-Dichlorobenzotrifl...	12.042	214	23077	5.651	ug/L	93
109) n-Butylbenzene	12.243	91	50333	4.829	ug/L	96
110) 1,2-Dclbenz	12.249	146	38291	5.233	ug/L	94
111) 1,2-Dibromo-3-chloropr...	12.877	157	6367	6.350	ug/L	90
112) Trielution Dichlorotol...	12.993	125	93676	16.151	ug/L	95
113) 1,3,5-Trichlorobenzene	13.042	180	30252	5.341	ug/L	92
114) Coelution Dichlorotoluene	13.316	125	68469	10.555	ug/L	97
115) 1,2,4-Tcbenzene	13.530	180	28768	5.195	ug/L	86
116) Hexachlorobt	13.664	225	12621	5.308	ug/L	89
117) Naphthalen	13.719	128	79146	5.277	ug/L	96
118) 1,2,3-Tclbenzene	13.908	180	29528	5.338	ug/L	88
119) 2,4,5-Trichlorotoluene	14.493	159	17515	5.253	ug/L	92
120) 2,3,6-Trichlorotoluene	14.578	159	18174	6.090	ug/L	94

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\120823\
Data File : D4038.D
Acq On : 08 Dec 2023 12:16 pm
Operator : F.NAEGLER
Sample : 5.0 PPB STD
Misc :
ALS Vial : 6 Sample Multiplier: 1

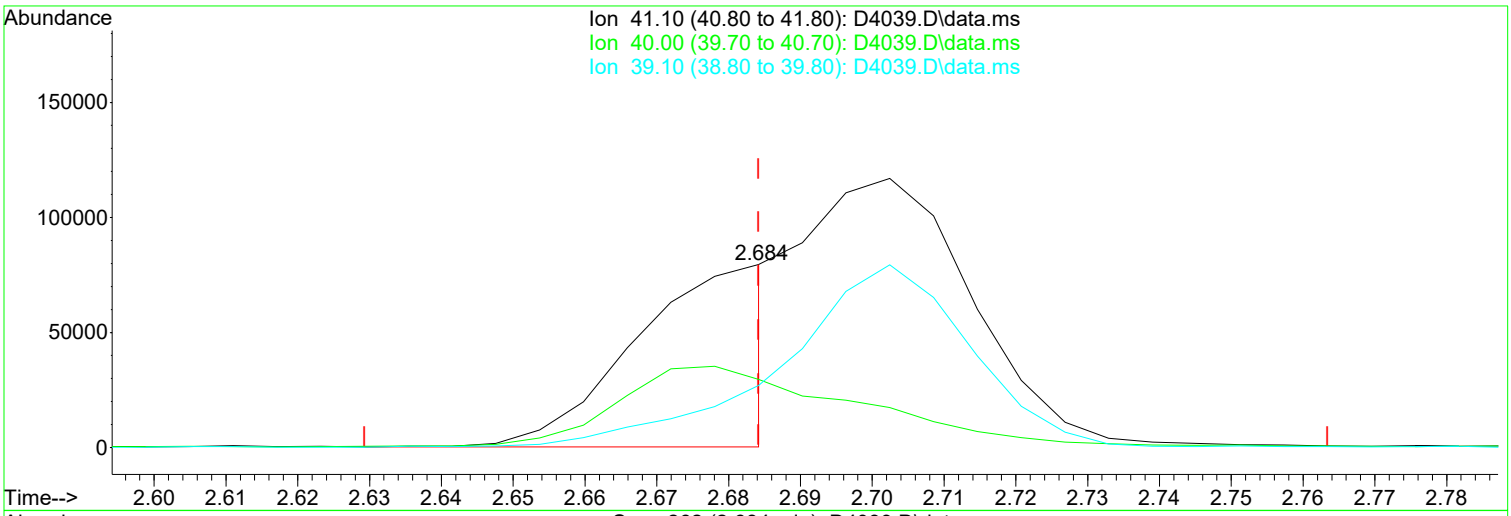
Quant Time: Dec 08 12:53:58 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Sun Nov 12 10:06:26 2023
Response via : Initial Calibration

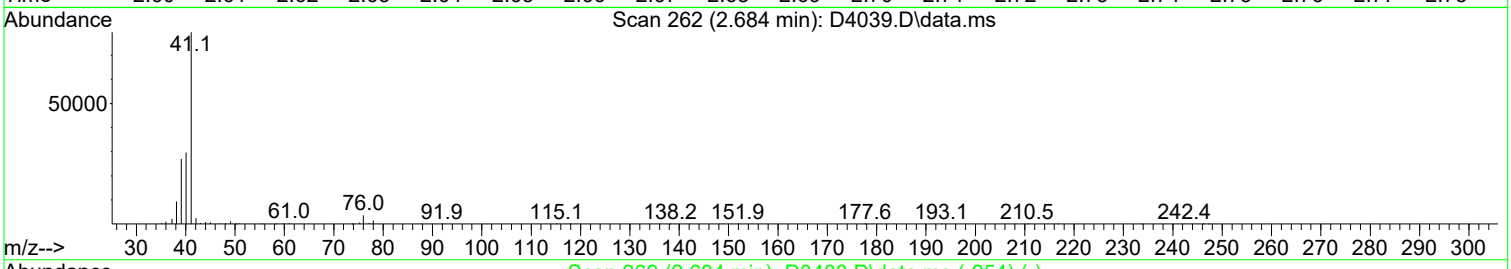


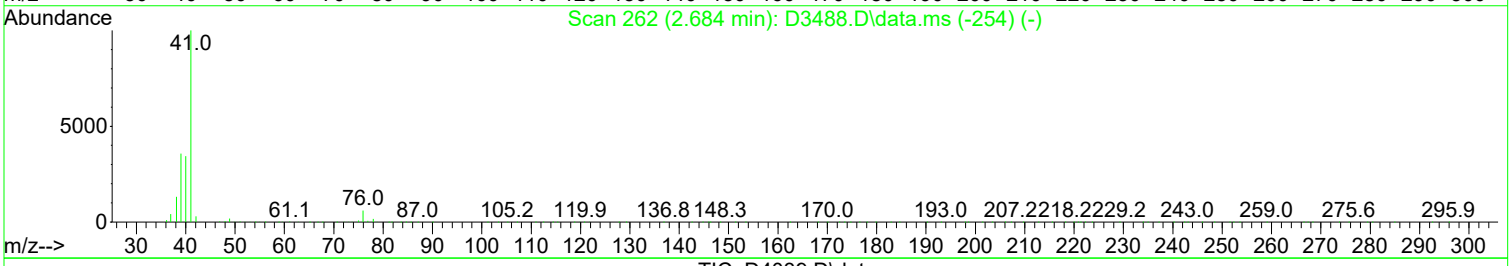
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\120823\
Data File : D4039.D
Acq On : 08 Dec 2023 12:38 pm
Operator : F.NAEGLER
Sample : 20 PPB STD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 08 12:55:22 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Sun Nov 12 10:06:26 2023
Response via : Initial Calibration







TIC: D4039.D\data.ms

(20) Acetonitrile

2.684min (+ 0.000) 113.59 ug/L m

response 105315

Ion	Exp%	Act%
41.10	100.00	100.00
40.00	71.20	37.19#
39.10	35.90	33.91
0.00	0.00	0.00

Manual Integration:

After

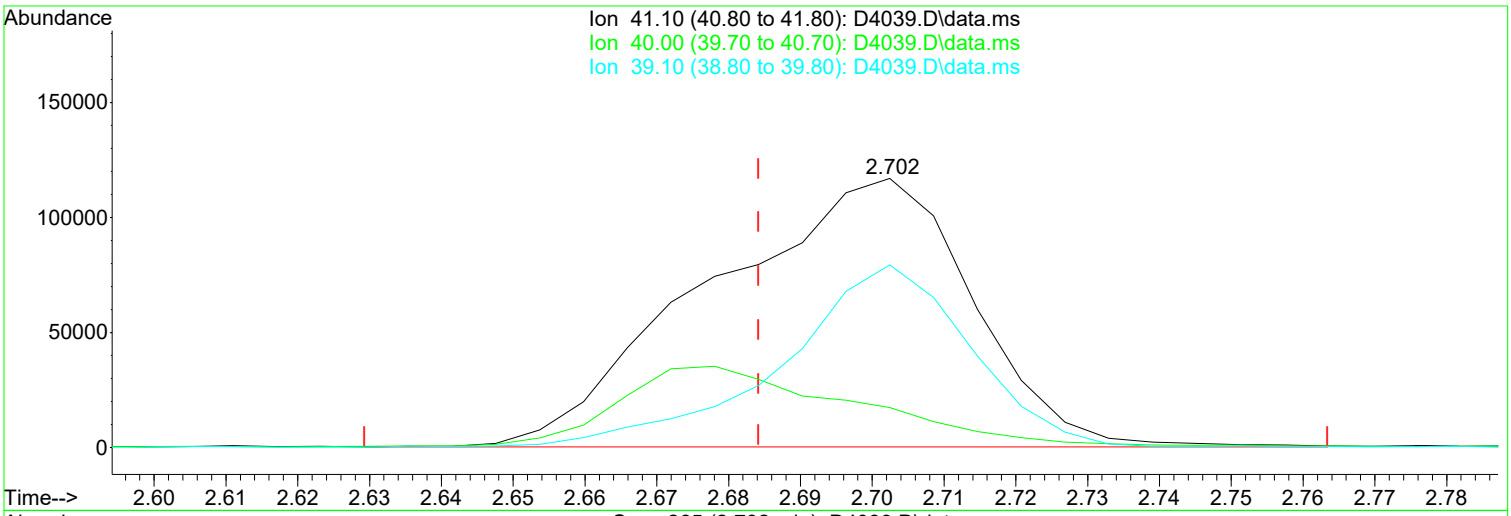
Poor integration.

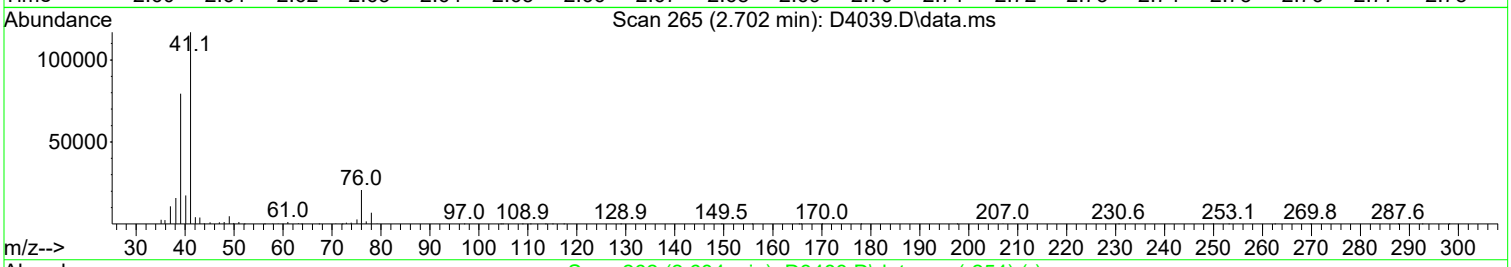
12/08/23

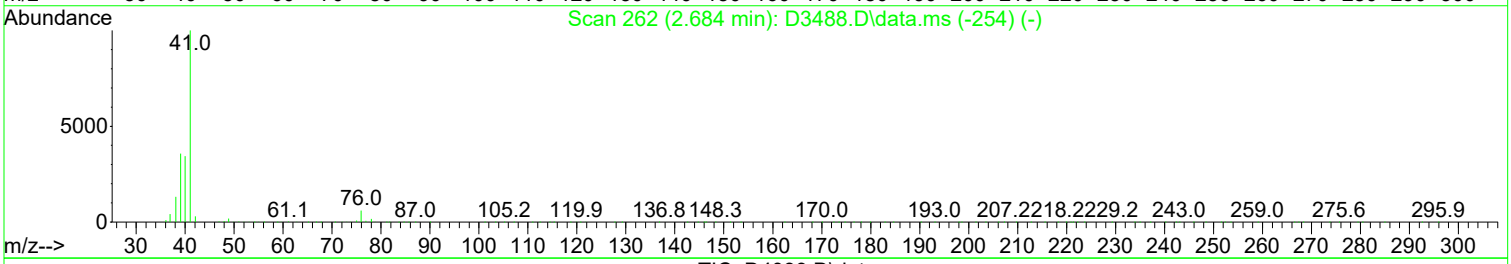
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\120823\
Data File : D4039.D
Acq On : 08 Dec 2023 12:38 pm
Operator : F.NAEGLER
Sample : 20 PPB STD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 08 12:55:22 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Sun Nov 12 10:06:26 2023
Response via : Initial Calibration







TIC: D4039.D\data.ms

(20) Acetonitrile

2.702min (+ 0.018) 320.62 ug/L

response 297257

Ion	Exp%	Act%
41.10	100.00	100.00
40.00	71.20	14.88#
39.10	35.90	67.91#
0.00	0.00	0.00

Manual Integration:

Before

12/08/23

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\120823\
Data File : D4039.D
Acq On : 08 Dec 2023 12:38 pm
Operator : F.NAEGLER
Sample : 20 PPB STD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 08 12:55:22 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Sun Nov 12 10:06:26 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.537	168	393426	50.00	ug/L		0.00
42) 1,4-Difluorobenzene	6.604	114	508596	50.00	ug/L		0.00
71) d5-Chlorobenzene	9.884	117	471006	50.00	ug/L		0.00
91) 1,4-Dichlorobenzene-d4	11.926	152	254109	50.00	ug/L		0.00
System Monitoring Compounds							
44) surr4,Dibrflmethane	5.391	113	61606	20.10	ug/L		0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 40.20%#				
47) surr1,1,2-dichloroetha...	5.921	65	83398	20.96	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 41.92%#				
65) SURR3,Toluene-d8	8.409	98	230322	19.32	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 38.64%#				
70) SURR2,BFB	10.957	95	90420	19.75	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 39.50%#				
Target Compounds							Qvalue
2) Chlorodifluoromethane	1.203	51	81674	14.243	ug/L		96
3) Dichlorodifluoromethane	1.191	85	94379	31.679	ug/L		95
4) Chloromethane	1.325	50	116841	20.141	ug/L		93
5) Vinyl Chloride	1.404	62	80892	18.955	ug/L		93
6) Bromomethane	1.642	94	32183	14.691	ug/L		92
7) Chloroethane	1.721	64	58077	18.966	ug/L		95
8) Freon 21	1.873	67	99609	15.344	ug/L		94
9) Trichlorofluoromethane	1.922	101	100200	21.037	ug/L		98
10) Diethyl Ether	2.160	59	72566	19.038	ug/L		96
11) Freon 123a	2.166	67	65138	16.019	ug/L		83
12) Freon 123	2.221	83	75584	17.255	ug/L		94
13) Acrolein	2.270	56	114461	125.741	ug/L		97
14) 1,1-Diclethene	2.355	96	53000	19.761	ug/L		93
15) Freon 113	2.361	101	54113	18.251	ug/L		91
16) Acetone	2.416	43	57898	20.742	ug/L		98
17) 2-Propanol	2.550	45	216312	538.776	ug/L		93
18) Iodomethane	2.495	142	97125	18.933	ug/L		88
19) Carbon Disulfide	2.556	76	166327	18.198	ug/L		97
20) Acetonitrile	2.684	41	105315m	113.591	ug/L		
21) Allyl Chloride	2.702	76	33747	20.383	ug/L	#	84
22) Methyl Acetate	2.733	43	157224	20.826	ug/L		99
23) Methylene Chloride	2.830	84	63279	19.321	ug/L		94
24) TBA	2.965	59	261836	537.616	ug/L		87
25) Acrylonitrile	3.099	53	255084	104.963	ug/L		98
26) Methyl-t-Butyl Ether	3.141	73	215682	22.795	ug/L		98
27) trans-1,2-Dichloroethene	3.129	96	59488	19.612	ug/L		91
28) 1,1-Diclethane	3.647	63	127810	19.318	ug/L		98
29) Vinyl Acetate	3.739	86	9095	21.837	ug/L	#	83
30) DIPE	3.769	45	393153	21.298	ug/L		95
31) 2-Chloro-1,3-Butadiene	3.769	53	149213	20.569	ug/L		91
32) ETBE	4.324	59	270659	28.048	ug/L		97
33) 2,2-Dichloropropane	4.507	77	96269	34.987	ug/L		90
34) cis-1,2-Dichloroethene	4.513	96	68687	19.063	ug/L		95
35) 2-Butanone	4.586	43	82337	21.508	ug/L		98
36) Propionitrile	4.678	54	101027	105.776	ug/L		95
37) Bromochloromethane	4.940	130	46968	19.395	ug/L		88
38) Methacrylonitrile	4.946	67	37025	19.847	ug/L		98
39) Tetrahydrofuran	5.056	42	50701	20.972	ug/L		100
40) Chloroform	5.117	83	111721	19.505	ug/L		92

1st FNJ 12/08/23
2nd WR 12/13/23

Data Path : I:\ACQUDATA\msvoa10\data\120823\
Data File : D4039.D
Acq On : 08 Dec 2023 12:38 pm
Operator : F.NAEGLER
Sample : 20 PPB STD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 08 12:55:22 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Sun Nov 12 10:06:26 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) 1,1,1-Trichloroethane	5.403	97	98301	24.270	ug/L		91
43) Cyclohexane	5.470	41	93982	19.386	ug/L		100
45) Carbontetrachloride	5.665	117	84323	26.007	ug/L		100
46) 1,1-Dichloropropene	5.677	75	78001	20.013	ug/L		99
48) Benzene	5.995	78	239449	20.178	ug/L		95
49) 1,2-Dichloroethane	6.037	62	118434	22.793	ug/L		96
50) Iso-Butyl Alcohol	6.025	43	148464	551.905	ug/L		98
51) TAME	6.232	73	205354	28.699	ug/L		91
52) n-Heptane	6.464	43	117048	21.064	ug/L		99
53) 1-Butanol	6.976	56	177653	1468.548	ug/L		97
54) Trichloroethene	6.927	130	67115	19.911	ug/L		92
55) Methylcyclohexane	7.159	55	100443	19.007	ug/L		99
56) 1,2-Diclpropane	7.208	63	73319	19.512	ug/L		96
57) Dibromomethane	7.354	93	44128	20.280	ug/L		86
58) 1,4-Dioxane	7.421	88	24723	405.491	ug/L		84
59) Methyl Methacrylate	7.433	69	54353	21.012	ug/L		96
60) Bromodichloromethane	7.573	83	85194	20.956	ug/L		97
61) 2-Nitropropane	7.866	41	62580	47.875	ug/L		95
62) 2-Chloroethylvinyl Ether	7.976	63	44828	19.198	ug/L		97
63) cis-1,3-Dichloropropene	8.110	75	102946	23.846	ug/L		98
64) 4-Methyl-2-pentanone	8.323	43	154599	22.163	ug/L		98
66) Toluene	8.482	91	257089	19.347	ug/L		95
67) trans-1,3-Dichloropropene	8.750	75	96614	27.870	ug/L		98
68) Ethyl Methacrylate	8.884	69	100880	22.427	ug/L		92
69) 1,1,2-Trichloroethane	8.939	97	61445	19.591	ug/L		98
72) Tetrachloroethene	9.067	164	56166	20.395	ug/L		94
73) 2-Hexanone	9.226	43	115501	23.313	ug/L		95
74) 1,3-Dichloropropane	9.104	76	109201	21.018	ug/L		99
75) Dibromochloromethane	9.329	129	71902	21.217	ug/L		96
76) N-Butyl Acetate	9.378	43	222516	24.686	ug/L		99
77) 1,2-Dibromoethane	9.427	107	69552	23.077	ug/L		96
78) 3-Chlorobenzotrifluoride	9.927	180	122961	24.571	ug/L		98
79) Chlorobenzene	9.914	112	181922	21.093	ug/L		96
80) 4-Chlorobenzotrifluoride	9.982	180	112058	24.877	ug/L		96
81) 1,1,1,2-Tetrachloroethane	10.000	131	72174	25.827	ug/L		92
82) Ethylbenzene	10.030	106	93631	20.505	ug/L		94
83) (m+p)Xylene	10.140	106	230251	40.139	ug/L		98
84) o-Xylene	10.500	106	114608	20.276	ug/L		98
85) Styrene	10.512	104	200602	20.784	ug/L		98
86) Bromoform	10.664	173	52943	22.581	ug/L		99
87) 2-Chlorobenzotrifluoride	10.744	180	122220	24.679	ug/L		95
88) Isopropylbenzene	10.829	105	291669	20.830	ug/L		98
89) Cyclohexanone	10.902	55	515045	560.077	ug/L		94
90) trans-1,4-Dichloro-2-B...	11.140	53	42386	27.788	ug/L		88
92) 1,1,2,2-Tetrachloroethane	11.097	83	90101	20.374	ug/L		99
93) Bromobenzene	11.079	156	88212	19.905	ug/L		94
94) 1,2,3-Trichloropropane	11.122	110	31593	20.848	ug/L	#	82
95) n-Propylbenzene	11.182	91	324413	19.482	ug/L		97
96) 2-Chlorotoluene	11.250	91	203447	19.660	ug/L		96
97) 3-Chlorotoluene	11.304	91	223531	22.019	ug/L		99
98) 4-Chlorotoluene	11.341	91	237438	20.092	ug/L		98
99) 1,3,5-Trimethylbenzene	11.335	105	248507	19.929	ug/L		97
100) tert-Butylbenzene	11.609	119	215126	19.811	ug/L		98
101) 1,2,4-Trimethylbenzene	11.646	105	252927	20.001	ug/L		99
102) 3,4-Dichlorobenzotrifl...	11.713	214	97661	24.285	ug/L		94
103) sec-Butylbenzene	11.792	105	289972	19.816	ug/L		99

1st FJ 12/08/23
2nd 12/13/23

Data Path : I:\ACQUDATA\msvoa10\data\120823\
Data File : D4039.D
Acq On : 08 Dec 2023 12:38 pm
Operator : F.NAEGLER
Sample : 20 PPB STD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 08 12:55:22 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Sun Nov 12 10:06:26 2023
Response via : Initial Calibration

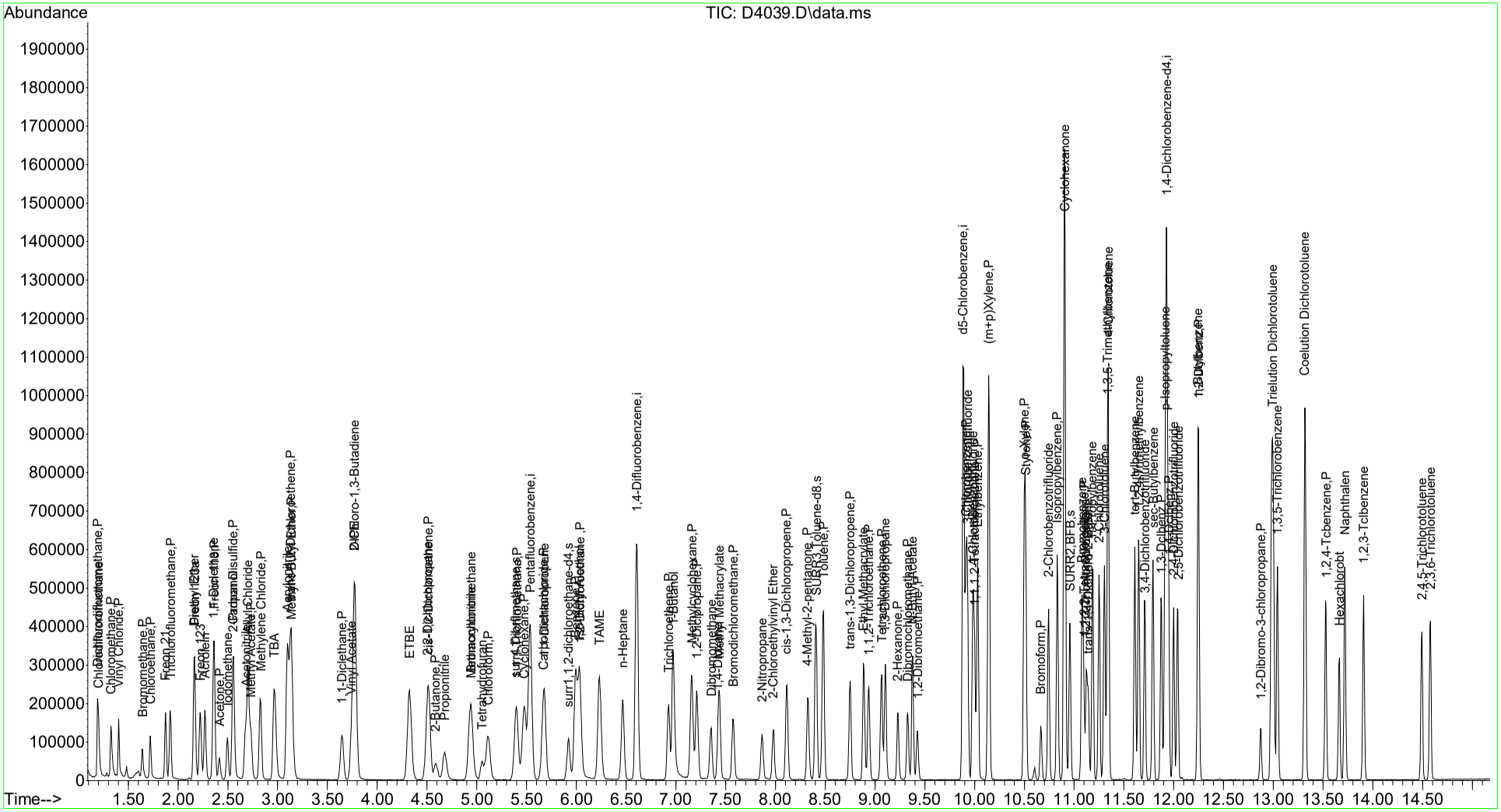
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) p-Isopropyltoluene	11.914	119	259127	19.726	ug/L	98
105) 1,3-Dclbenz	11.878	146	153606	19.537	ug/L	99
106) 1,4-Dclbenz	11.951	146	157209	19.642	ug/L	97
107) 2,4-Dichlorobenzotrifl...	11.999	214	90155	23.098	ug/L	98
108) 2,5-Dichlorobenzotrifl...	12.042	214	101627	23.462	ug/L	95
109) n-Butylbenzene	12.243	91	209893	18.984	ug/L	96
110) 1,2-Dclbenz	12.249	146	152344	19.628	ug/L	97
111) 1,2-Dibromo-3-chloropr...	12.877	157	27081	25.463	ug/L	93
112) Trielution Dichlorotol...	12.993	125	412412	67.034	ug/L	99
113) 1,3,5-Trichlorobenzene	13.042	180	134000	22.303	ug/L	97
114) Coelution Dichlorotoluene	13.316	125	304112	44.194	ug/L	100
115) 1,2,4-Tcbenzene	13.530	180	121546	20.691	ug/L	96
116) Hexachlorobt	13.664	225	51402	20.381	ug/L	96
117) Naphthalen	13.719	128	324642	20.404	ug/L	97
118) 1,2,3-Tclbenzene	13.908	180	119824	20.422	ug/L	98
119) 2,4,5-Trichlorotoluene	14.493	159	83702	23.666	ug/L	96
120) 2,3,6-Trichlorotoluene	14.578	159	82547	26.075	ug/L	99

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\120823\
Data File : D4039.D
Acq On : 08 Dec 2023 12:38 pm
Operator : F.NAEGLER
Sample : 20 PPB STD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 08 12:55:22 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Sun Nov 12 10:06:26 2023
Response via : Initial Calibration

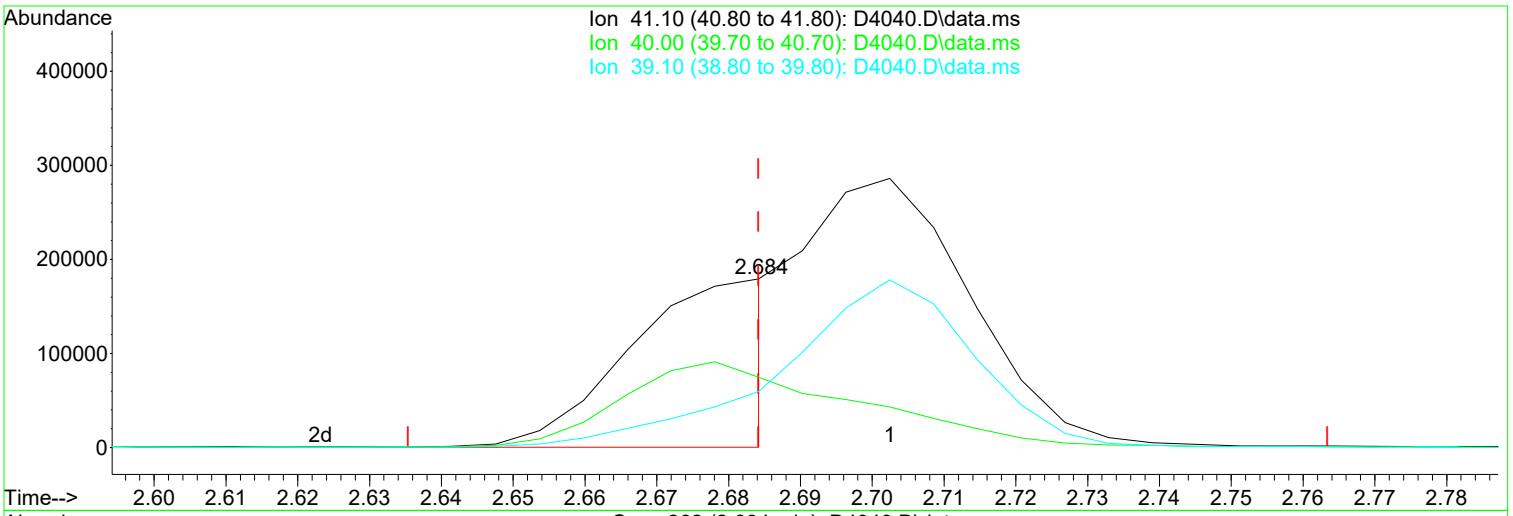


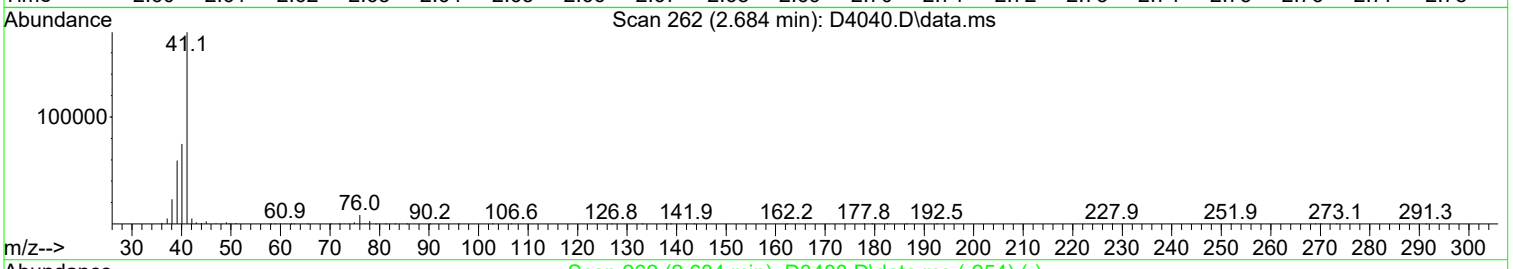
1st FJ 12/08/23
2nd 12/13/23

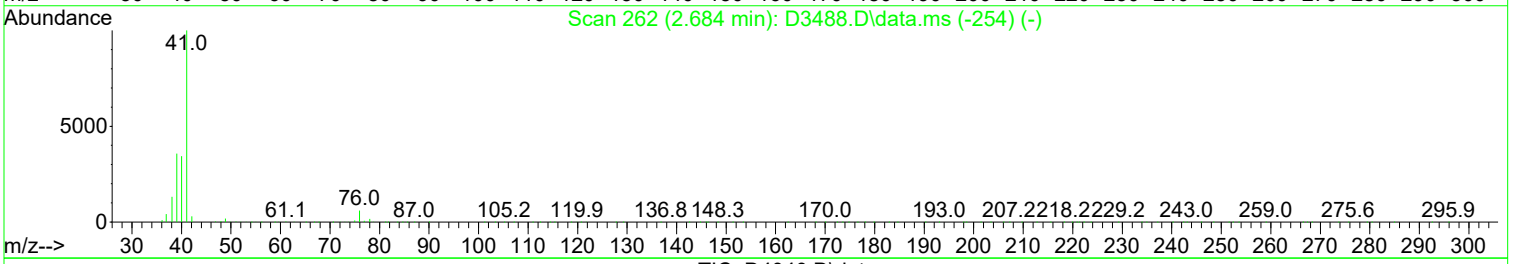
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\120823\
Data File : D4040.D
Acq On : 08 Dec 2023 01:01 pm
Operator : F.NAEGLER
Sample : 50 PPB STD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 08 13:53:50 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Sun Nov 12 10:06:26 2023
Response via : Initial Calibration







TIC: D4040.D\data.ms

(20) Acetonitrile

2.684min (+ 0.000) 280.34 ug/L m

response 246655

Ion	Exp%	Act%
41.10	100.00	100.00
40.00	71.20	41.83#
39.10	35.90	33.14
0.00	0.00	0.00

Manual Integration:

After

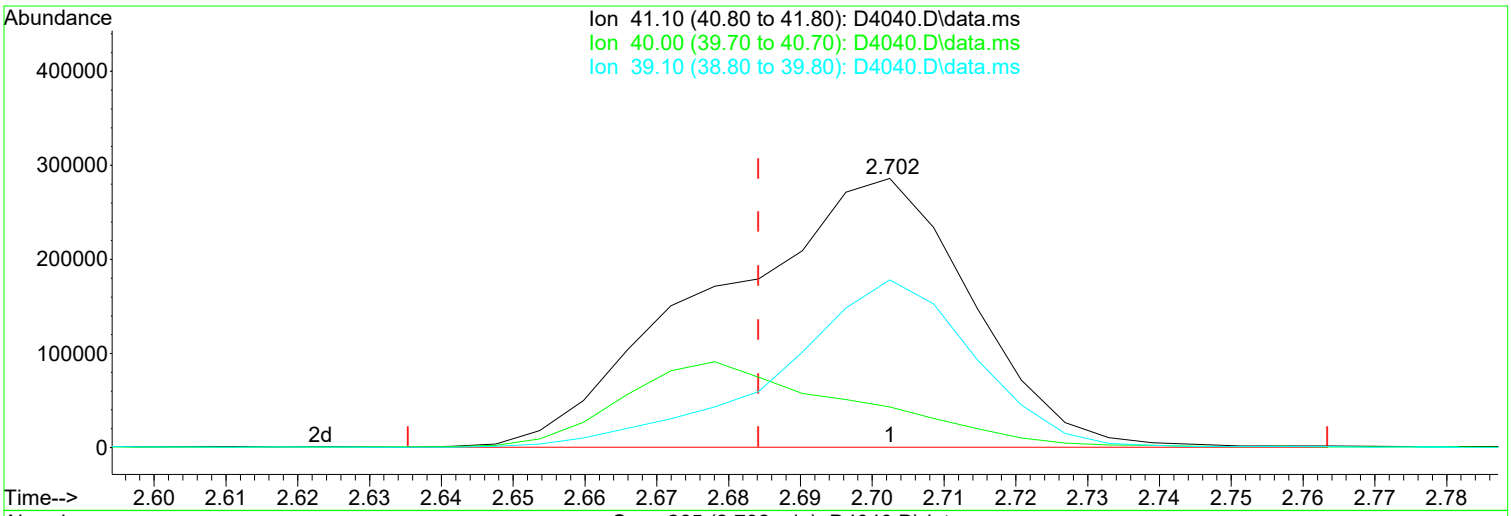
Poor integration.

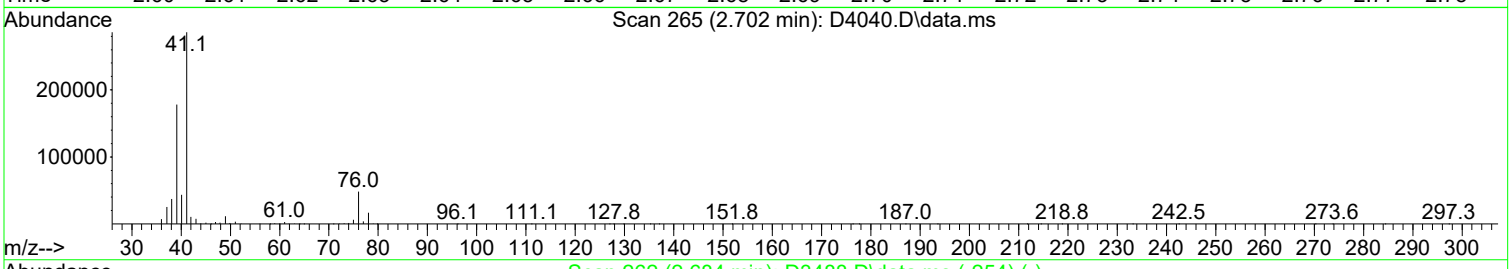
12/08/23

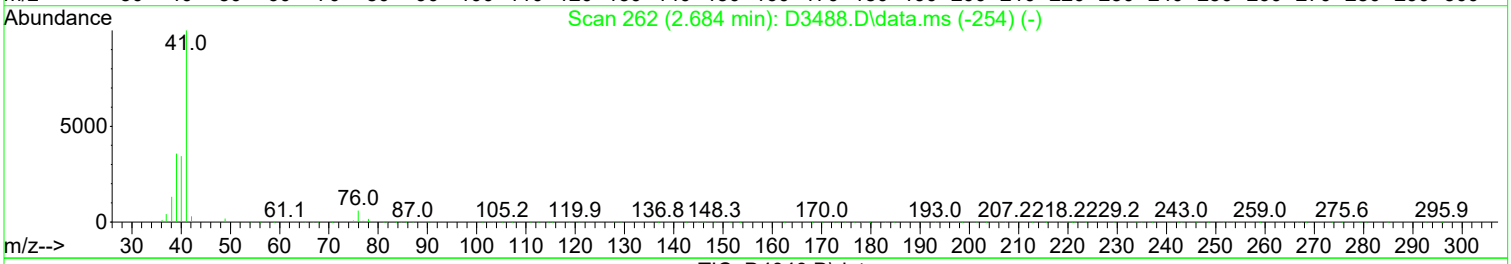
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\120823\
Data File : D4040.D
Acq On : 08 Dec 2023 01:01 pm
Operator : F.NAEGLER
Sample : 50 PPB STD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 08 13:53:50 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Sun Nov 12 10:06:26 2023
Response via : Initial Calibration







TIC: D4040.D\data.ms

(20) Acetonitrile

2.702min (+ 0.018) 806.27 ug/L

response 709384

Ion	Exp%	Act%
41.10	100.00	100.00
40.00	71.20	15.15#
39.10	35.90	62.34#
0.00	0.00	0.00

Manual Integration:

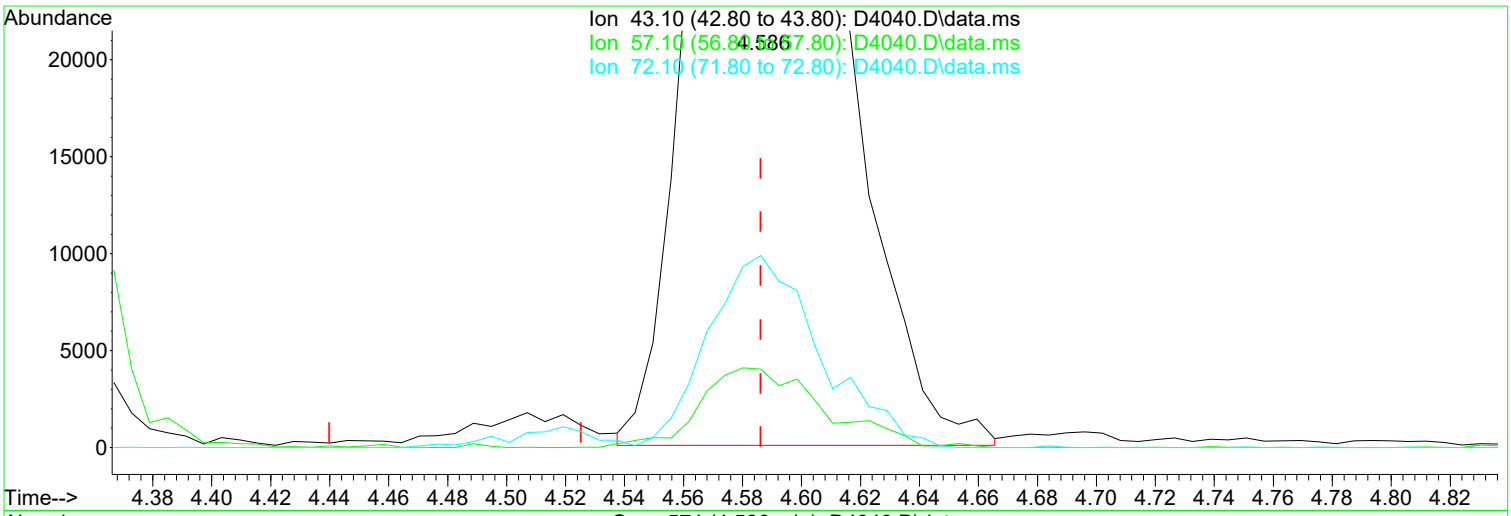
Before

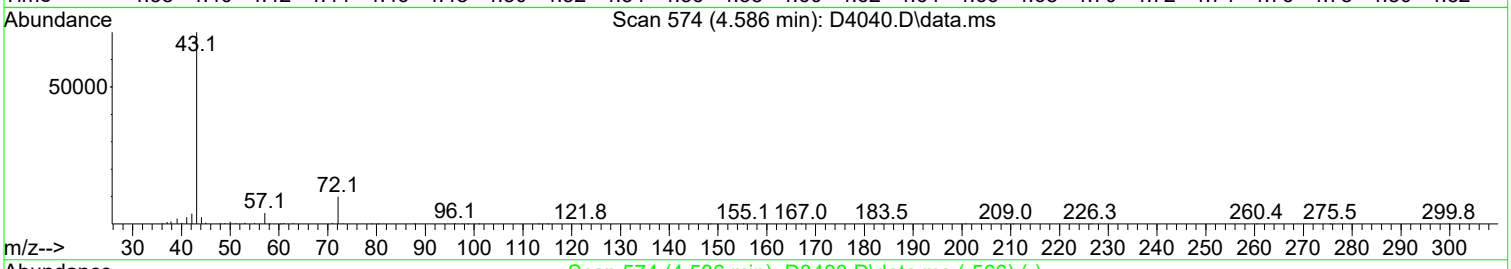
12/08/23

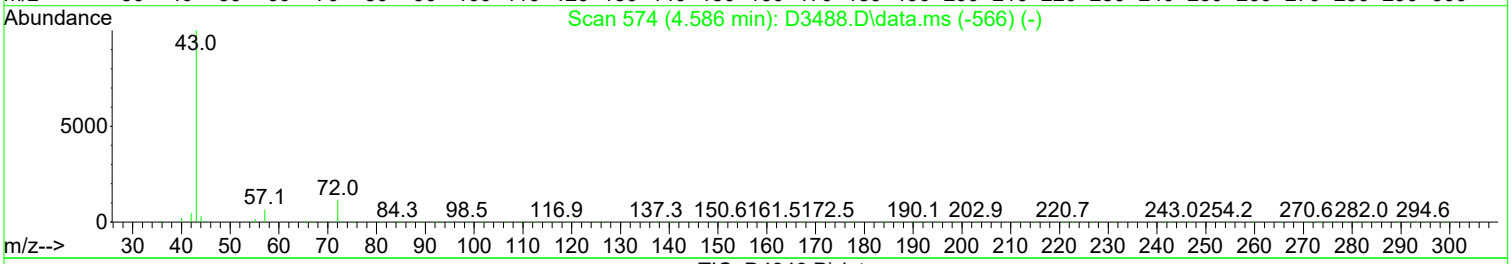
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\120823\
Data File : D4040.D
Acq On : 08 Dec 2023 01:01 pm
Operator : F.NAEGLER
Sample : 50 PPB STD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 08 13:53:50 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Sun Nov 12 10:06:26 2023
Response via : Initial Calibration







TIC: D4040.D\data.ms

(35) 2-Butanone (P)

4.586min (+ 0.000) 53.00 ug/L m

response 192541

Ion	Exp%	Act%
43.10	100.00	100.00
57.10	6.30	5.77
72.10	12.00	14.15
0.00	0.00	0.00

Manual Integration:

After

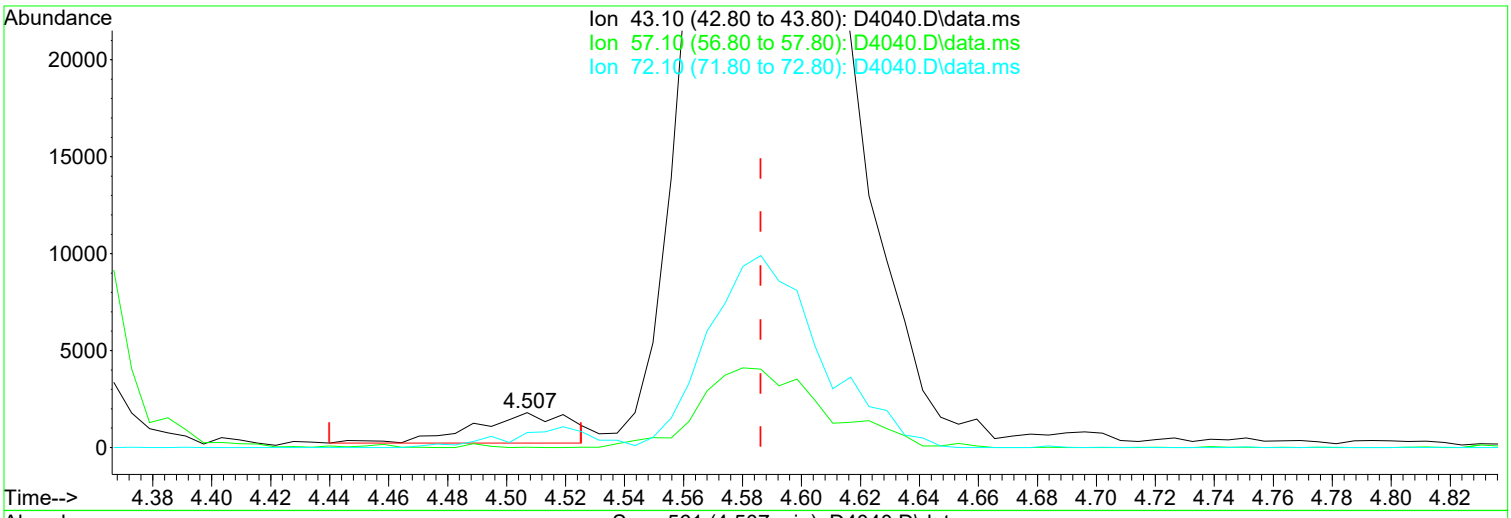
Peak not found.

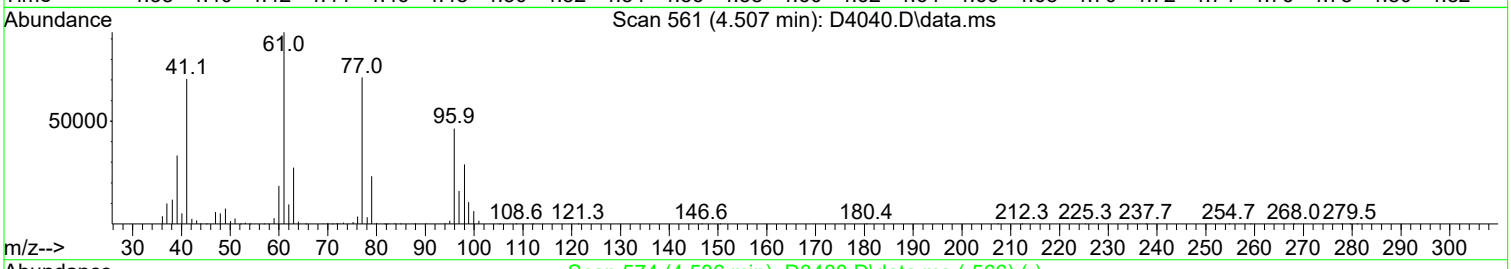
12/08/23

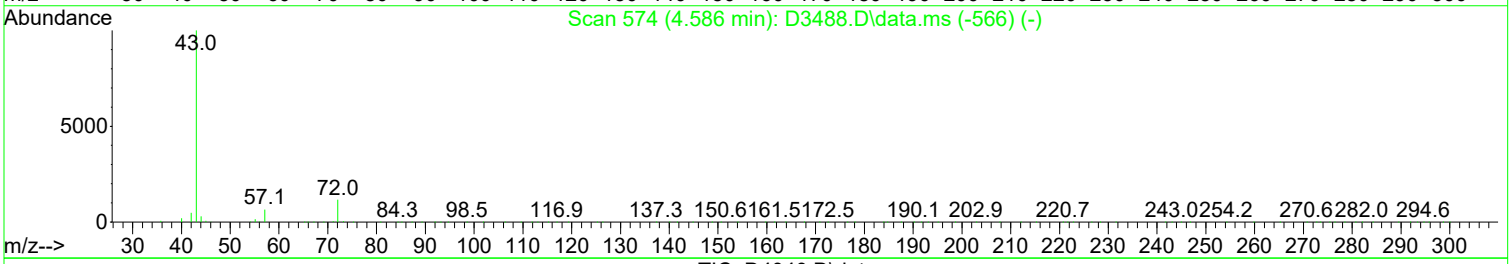
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\120823\
Data File : D4040.D
Acq On : 08 Dec 2023 01:01 pm
Operator : F.NAEGLER
Sample : 50 PPB STD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 08 13:53:50 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Sun Nov 12 10:06:26 2023
Response via : Initial Calibration







TIC: D4040.D\data.ms

(35) 2-Butanone (P)

4.507min (-0.079) 0.98 ug/L

response 3549

Ion	Exp%	Act%
43.10	100.00	100.00
57.10	6.30	0.56
72.10	12.00	43.16#
0.00	0.00	0.00

Manual Integration:

Before

12/08/23

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\120823\
Data File : D4040.D
Acq On : 08 Dec 2023 01:01 pm
Operator : F.NAEGLER
Sample : 50 PPB STD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 08 13:53:50 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Sun Nov 12 10:06:26 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.537	168	373352	50.00	ug/L		0.00
42) 1,4-Difluorobenzene	6.604	114	477581	50.00	ug/L		0.00
71) d5-Chlorobenzene	9.890	117	443224	50.00	ug/L		0.00
91) 1,4-Dichlorobenzene-d4	11.926	152	255074	50.00	ug/L		0.00
System Monitoring Compounds							
44) surr4,Dibrflmethane	5.397	113	151760	52.73	ug/L		0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 105.46%				
47) surr1,1,2-dichloroetha...	5.921	65	205156	54.91	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 109.82%				
65) SURR3,Toluene-d8	8.409	98	549912	49.13	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 98.26%				
70) SURR2,BFB	10.957	95	209628	48.76	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 97.52%				
Target Compounds							Qvalue
2) Chlorodifluoromethane	1.203	51	178320	32.770	ug/L		99
3) Dichlorodifluoromethane	1.191	85	210442	74.434	ug/L		98
4) Chloromethane	1.325	50	271972	49.404	ug/L		97
5) Vinyl Chloride	1.404	62	191380	47.257	ug/L		99
6) Bromomethane	1.636	94	75806	36.465	ug/L		96
7) Chloroethane	1.721	64	125117	43.056	ug/L		94
8) Freon 21	1.873	67	215090	34.914	ug/L		99
9) Trichlorofluoromethane	1.922	101	225905	49.978	ug/L		98
10) Diethyl Ether	2.160	59	179296	49.569	ug/L		99
11) Freon 123a	2.166	67	138648	35.931	ug/L		97
12) Freon 123	2.221	83	155968	37.519	ug/L		92
13) Acrolein	2.270	56	263084	304.549	ug/L		98
14) 1,1-Diclethene	2.361	96	121857	47.877	ug/L		88
15) Freon 113	2.361	101	135592	48.191	ug/L		97
16) Acetone	2.416	43	150837	56.943	ug/L		98
17) 2-Propanol	2.550	45	564745	1482.260	ug/L		93
18) Iodomethane	2.495	142	221089	45.415	ug/L		95
19) Carbon Disulfide	2.556	76	340766	39.287	ug/L		99
20) Acetonitrile	2.684	41	246655m	280.342	ug/L		
21) Allyl Chloride	2.702	76	80060	50.955	ug/L	#	79
22) Methyl Acetate	2.733	43	368302	51.408	ug/L		98
23) Methylene Chloride	2.824	84	142015	45.693	ug/L		95
24) TBA	2.971	59	678627	1468.314	ug/L		86
25) Acrylonitrile	3.099	53	601364	260.757	ug/L		99
26) Methyl-t-Butyl Ether	3.135	73	517285	57.610	ug/L		98
27) trans-1,2-Dichloroethene	3.129	96	133263	46.295	ug/L		98
28) 1,1-Diclethane	3.647	63	297877	47.443	ug/L		96
29) Vinyl Acetate	3.739	86	21116	53.425	ug/L	#	93
30) DIPE	3.775	45	918580	52.438	ug/L		99
31) 2-Chloro-1,3-Butadiene	3.769	53	310760	45.143	ug/L		93
32) ETBE	4.324	59	645103	70.446	ug/L		97
33) 2,2-Dichloropropane	4.513	77	215096	82.375	ug/L		96
34) cis-1,2-Dichloroethene	4.519	96	156943	45.899	ug/L		90
35) 2-Butanone	4.586	43	192541m	52.998	ug/L		
36) Propionitrile	4.678	54	242719	267.793	ug/L		92
37) Bromochloromethane	4.928	130	110121	47.919	ug/L		90
38) Methacrylonitrile	4.946	67	87723	49.550	ug/L		97
39) Tetrahydrofuran	5.050	42	122044	53.195	ug/L		98
40) Chloroform	5.117	83	259290	47.702	ug/L		97

1st FNJ 12/08/23
2nd WR 12/13/23

Data Path : I:\ACQUDATA\msvoa10\data\120823\
Data File : D4040.D
Acq On : 08 Dec 2023 01:01 pm
Operator : F.NAEGLER
Sample : 50 PPB STD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 08 13:53:50 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Sun Nov 12 10:06:26 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) 1,1,1-Trichloroethane	5.397	97	226803	59.006	ug/L		91
43) Cyclohexane	5.470	41	193904	42.594	ug/L		98
45) Carbontetrachloride	5.665	117	197266	64.791	ug/L		96
46) 1,1-Dichloropropene	5.677	75	180913	49.433	ug/L		98
48) Benzene	5.995	78	538054	48.286	ug/L		91
49) 1,2-Dichloroethane	6.037	62	279809	57.347	ug/L		99
50) Iso-Butyl Alcohol	6.025	43	381578	1510.609	ug/L		90
51) TAME	6.232	73	482750	71.846	ug/L		92
52) n-Heptane	6.470	43	282141	54.070	ug/L		92
53) 1-Butanol	6.970	56	467105	4112.028	ug/L		94
54) Trichloroethene	6.927	130	149488	47.229	ug/L		95
55) Methylcyclohexane	7.159	55	210625	42.444	ug/L		94
56) 1,2-Diclpropane	7.214	63	176930	50.142	ug/L		93
57) Dibromomethane	7.354	93	102759	50.293	ug/L		87
58) 1,4-Dioxane	7.415	88	60122	1050.122	ug/L		99
59) Methyl Methacrylate	7.433	69	136765	56.306	ug/L	#	87
60) Bromodichloromethane	7.573	83	206046	53.975	ug/L		97
61) 2-Nitropropane	7.866	41	166911	135.982	ug/L		97
62) 2-Chloroethylvinyl Ether	7.976	63	104381	47.605	ug/L		92
63) cis-1,3-Dichloropropene	8.110	75	251953	62.150	ug/L		99
64) 4-Methyl-2-pentanone	8.323	43	367920	56.171	ug/L		98
66) Toluene	8.482	91	599084	48.011	ug/L		98
67) trans-1,3-Dichloropropene	8.750	75	238808	73.362	ug/L		96
68) Ethyl Methacrylate	8.884	69	238098	56.370	ug/L		84
69) 1,1,2-Trichloroethane	8.939	97	150107	50.968	ug/L		99
72) Tetrachloroethene	9.067	164	128071	49.421	ug/L		94
73) 2-Hexanone	9.226	43	274813	58.945	ug/L		99
74) 1,3-Dichloropropane	9.104	76	247425	50.608	ug/L		84
75) Dibromochloromethane	9.329	129	183056	57.402	ug/L		99
76) N-Butyl Acetate	9.378	43	553849	65.296	ug/L		96
77) 1,2-Dibromoethane	9.427	107	164569	58.025	ug/L		91
78) 3-Chlorobenzotrifluoride	9.927	180	285239	60.571	ug/L		98
79) Chlorobenzene	9.914	112	413523	50.951	ug/L		99
80) 4-Chlorobenzotrifluoride	9.982	180	250463	59.089	ug/L		95
81) 1,1,1,2-Tetrachloroethane	10.000	131	163977	62.356	ug/L		97
82) Ethylbenzene	10.030	106	208814	48.597	ug/L		96
83) (m+p)Xylene	10.140	106	532703	98.686	ug/L		99
84) o-Xylene	10.500	106	266324	50.071	ug/L		98
85) Styrene	10.512	104	462239	50.894	ug/L		97
86) Bromoform	10.664	173	132499	60.056	ug/L		98
87) 2-Chlorobenzotrifluoride	10.744	180	276914	59.420	ug/L		95
88) Isopropylbenzene	10.829	105	671150	50.936	ug/L		99
89) Cyclohexanone	10.902	55	1361050	1572.823	ug/L		95
90) trans-1,4-Dichloro-2-B...	11.140	53	99220	69.125	ug/L		84
92) 1,1,2,2-Tetrachloroethane	11.091	83	211555	47.658	ug/L		97
93) Bromobenzene	11.079	156	209214	47.030	ug/L		97
94) 1,2,3-Trichloropropane	11.122	110	72369	47.575	ug/L	#	88
95) n-Propylbenzene	11.189	91	757316	45.306	ug/L		98
96) 2-Chlorotoluene	11.250	91	477216	45.940	ug/L		97
97) 3-Chlorotoluene	11.304	91	522337	51.258	ug/L		99
98) 4-Chlorotoluene	11.341	91	552197	46.551	ug/L		99
99) 1,3,5-Trimethylbenzene	11.335	105	585267	46.757	ug/L		99
100) tert-Butylbenzene	11.609	119	509258	46.719	ug/L		97
101) 1,2,4-Trimethylbenzene	11.646	105	606485	47.779	ug/L		97
102) 3,4-Dichlorobenzotrifl...	11.707	214	230281	57.046	ug/L		98
103) sec-Butylbenzene	11.792	105	686119	46.711	ug/L		100

1st FJ 12/08/23
2nd 12/13/23

Data Path : I:\ACQUDATA\msvoa10\data\120823\
Data File : D4040.D
Acq On : 08 Dec 2023 01:01 pm
Operator : F.NAEGLER
Sample : 50 PPB STD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 08 13:53:50 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Sun Nov 12 10:06:26 2023
Response via : Initial Calibration

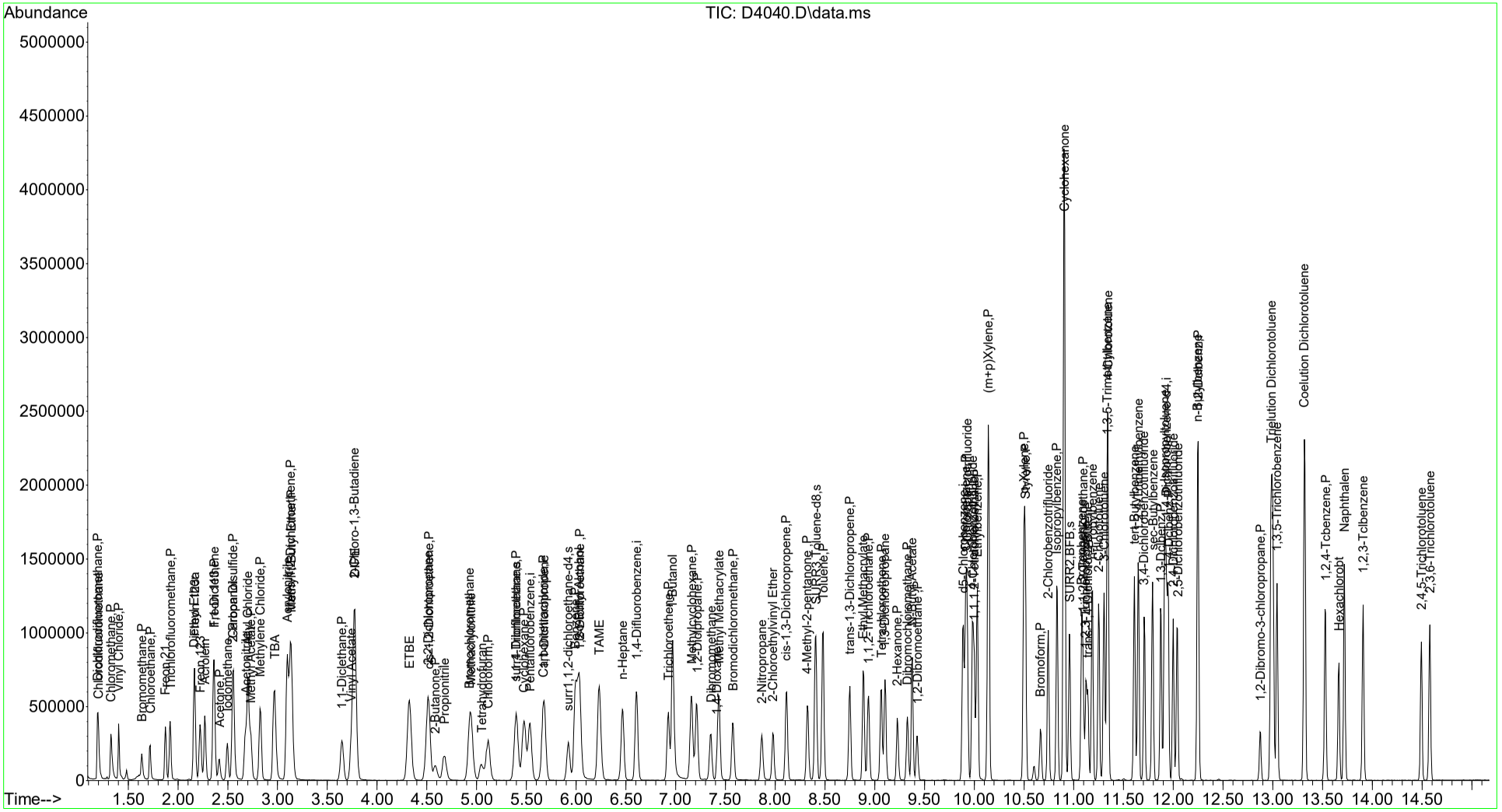
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) p-Isopropyltoluene	11.914	119	635747	48.212	ug/L	99
105) 1,3-Dclbenz	11.878	146	369329	46.797	ug/L	99
106) 1,4-Dclbenz	11.951	146	379151	47.192	ug/L	99
107) 2,4-Dichlorobenzotrifl...	11.999	214	207994	53.088	ug/L	97
108) 2,5-Dichlorobenzotrifl...	12.042	214	239384	55.056	ug/L	97
109) n-Butylbenzene	12.243	91	525011	47.306	ug/L	99
110) 1,2-Dclbenz	12.249	146	375655	48.216	ug/L	98
111) 1,2-Dibromo-3-chloropr...	12.877	157	68323	63.998	ug/L	97
112) Trielution Dichlorotol...	12.987	125	992405	160.696	ug/L	94
113) 1,3,5-Trichlorobenzene	13.042	180	312405	51.801	ug/L	100
114) Coelution Dichlorotoluene	13.316	125	730386	105.740	ug/L	99
115) 1,2,4-Tcbenzene	13.530	180	301597	51.147	ug/L	97
116) Hexachlorobt	13.664	225	130893	51.704	ug/L	98
117) Naphthalen	13.719	128	816558	51.127	ug/L	99
118) 1,2,3-Tclbenzene	13.908	180	298283	50.645	ug/L	99
119) 2,4,5-Trichlorotoluene	14.493	159	197411	55.605	ug/L	98
120) 2,3,6-Trichlorotoluene	14.578	159	201064	63.273	ug/L	96

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\120823\
Data File : D4040.D
Acq On : 08 Dec 2023 01:01 pm
Operator : F.NAEGLER
Sample : 50 PPB STD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 08 13:53:50 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Sun Nov 12 10:06:26 2023
Response via : Initial Calibration

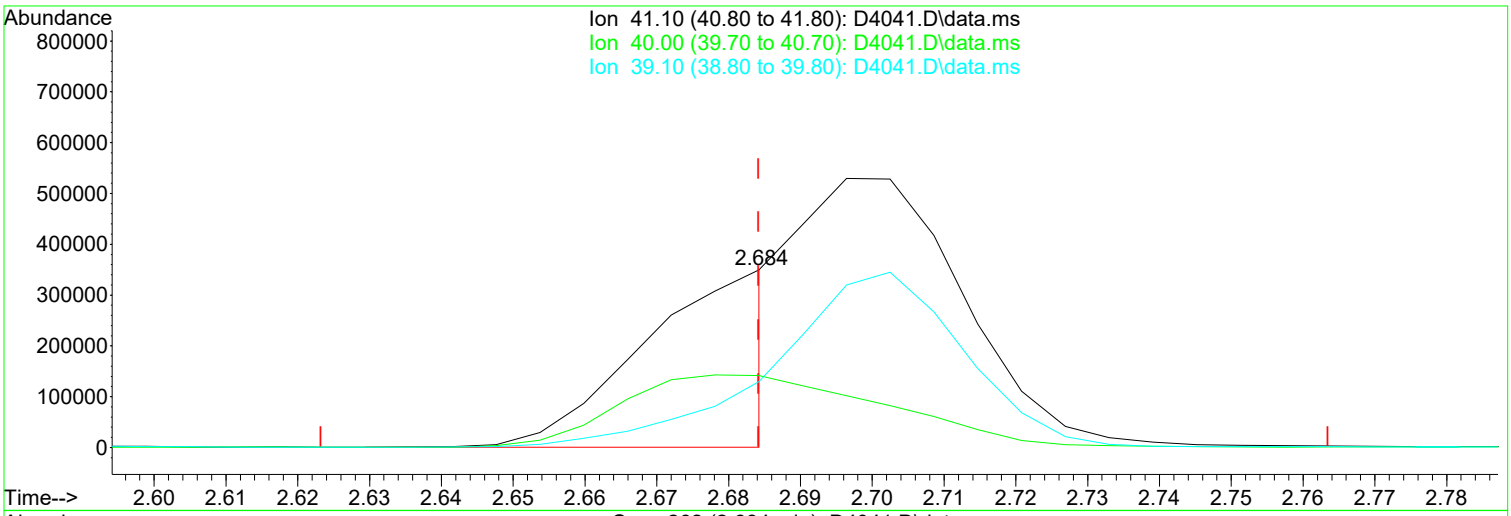


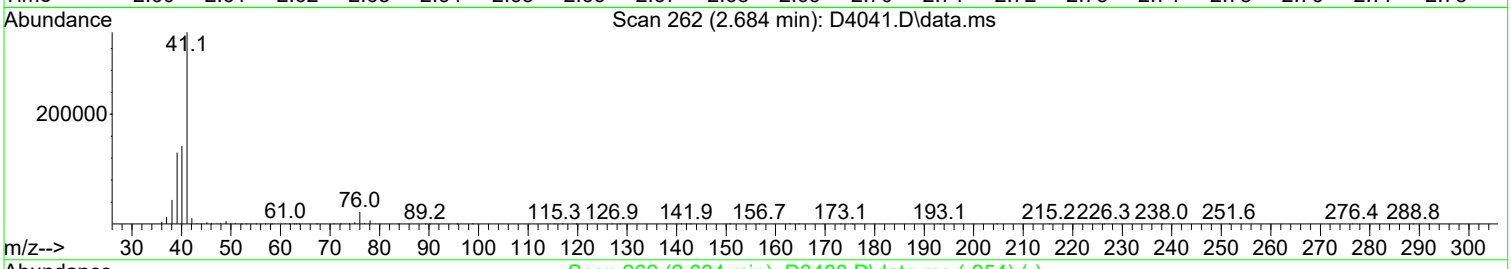
1st FJ 12/08/23
2nd 12/13/23

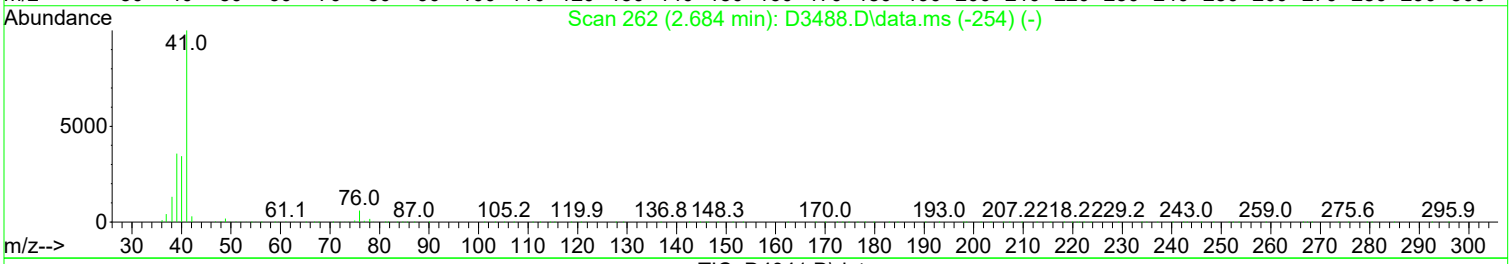
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\120823\
Data File : D4041.D
Acq On : 08 Dec 2023 01:24 pm
Operator : F.NAEGLER
Sample : 100 PPB STD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 08 13:55:08 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Sun Nov 12 10:06:26 2023
Response via : Initial Calibration







TIC: D4041.D\data.ms

(20) Acetonitrile

2.684min (+ 0.000) 488.83 ug/L m

response 442834

Ion	Exp%	Act%
41.10	100.00	100.00
40.00	71.20	40.53#
39.10	35.90	37.16
0.00	0.00	0.00

Manual Integration:

After

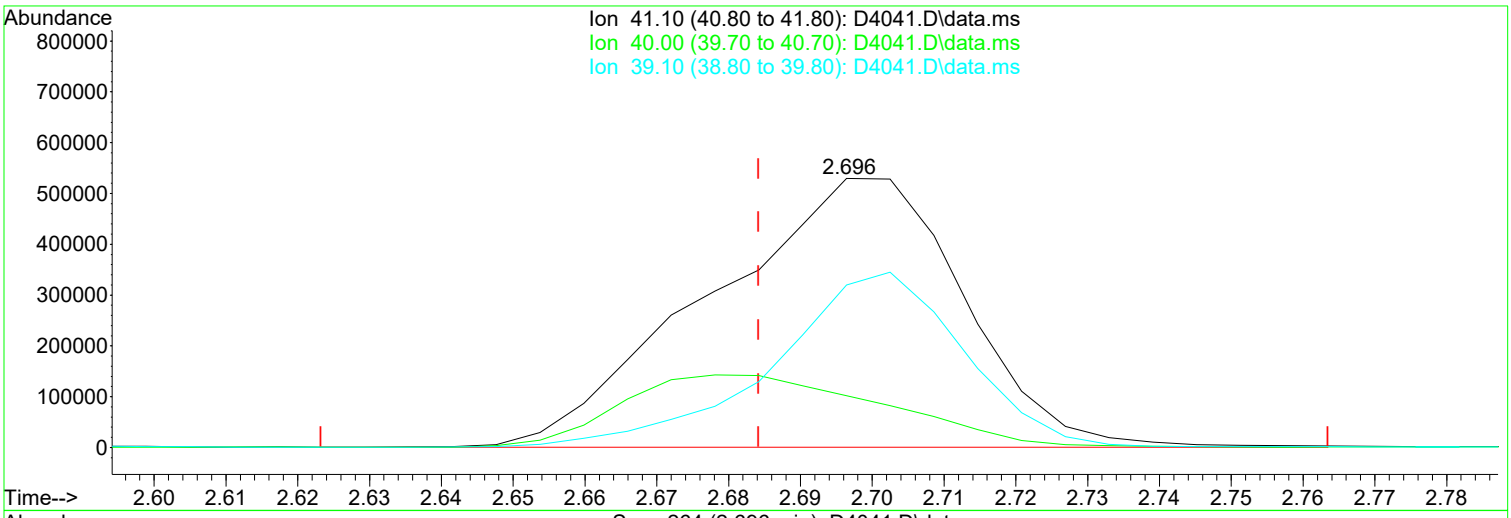
Poor integration.

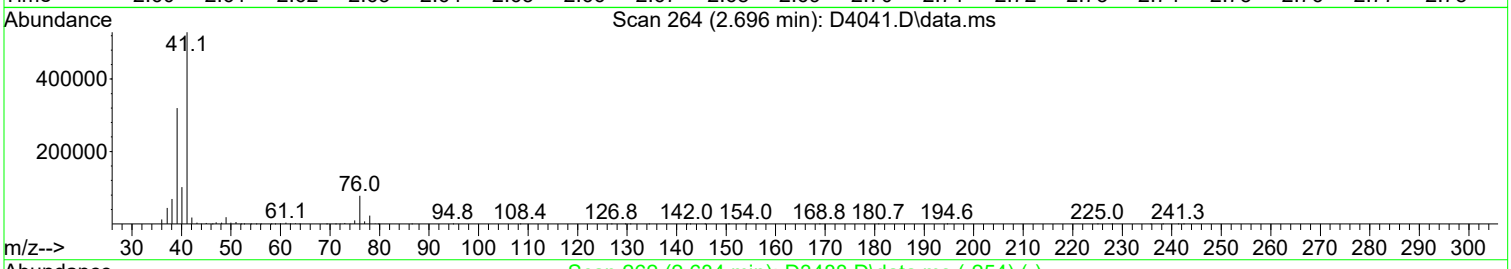
12/08/23

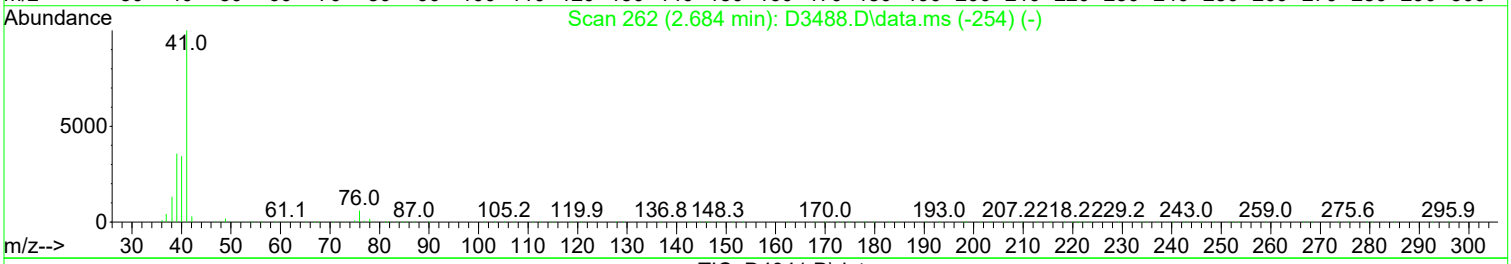
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\120823\
Data File : D4041.D
Acq On : 08 Dec 2023 01:24 pm
Operator : F.NAEGLER
Sample : 100 PPB STD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 08 13:55:08 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Sun Nov 12 10:06:26 2023
Response via : Initial Calibration







TIC: D4041.D\data.ms

(20) Acetonitrile

2.696min (+ 0.012) 1436.93 ug/L

response 1301721

Ion	Exp%	Act%
41.10	100.00	100.00
40.00	71.20	19.28#
39.10	35.90	60.46#
0.00	0.00	0.00

Manual Integration:

Before

12/08/23

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\120823\
Data File : D4041.D
Acq On : 08 Dec 2023 01:24 pm
Operator : F.NAEGLER
Sample : 100 PPB STD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 08 13:55:08 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Sun Nov 12 10:06:26 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.537	168	384413	50.00	ug/L		0.00
42) 1,4-Difluorobenzene	6.610	114	493954	50.00	ug/L		0.00
71) d5-Chlorobenzene	9.890	117	459756	50.00	ug/L		0.00
91) 1,4-Dichlorobenzene-d4	11.926	152	257294	50.00	ug/L		0.00
System Monitoring Compounds							
44) surr4,Dibrflmethane	5.403	113	311937	104.79	ug/L		0.01
Spiked Amount 50.000	Range 80 - 116		Recovery = 209.58%#				
47) surr1,1,2-dichloroetha...	5.921	65	417294	107.98	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 215.96%#				
65) SURR3,Toluene-d8	8.409	98	1120475	96.80	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 193.60%#				
70) SURR2,BFB	10.957	95	435552	97.95	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 195.90%#				
Target Compounds							Qvalue
2) Chlorodifluoromethane	1.203	51	384139	68.562	ug/L		100
3) Dichlorodifluoromethane	1.191	85	389130	133.677	ug/L		97
4) Chloromethane	1.325	50	497364	87.747	ug/L		97
5) Vinyl Chloride	1.404	62	355750	85.316	ug/L		99
6) Bromomethane	1.636	94	144288	67.409	ug/L		96
7) Chloroethane	1.715	64	240012	80.218	ug/L		97
8) Freon 21	1.873	67	481220	75.865	ug/L		95
9) Trichlorofluoromethane	1.916	101	411065	88.326	ug/L		99
10) Diethyl Ether	2.160	59	340201	91.347	ug/L		97
11) Freon 123a	2.166	67	306404	77.120	ug/L		92
12) Freon 123	2.221	83	345297	80.674	ug/L		98
13) Acrolein	2.270	56	506686	569.668	ug/L		98
14) 1,1-Diclethene	2.355	96	225407	86.013	ug/L		91
15) Freon 113	2.361	101	228294	78.803	ug/L		94
16) Acetone	2.416	43	272319	99.847	ug/L		95
17) 2-Propanol	2.556	45	1038535	2647.363	ug/L		93
18) Iodomethane	2.495	142	505666	100.882	ug/L		94
19) Carbon Disulfide	2.556	76	760909	85.202	ug/L		98
20) Acetonitrile	2.684	41	442834m	488.832	ug/L		
21) Allyl Chloride	2.703	76	151779	93.822	ug/L	#	93
22) Methyl Acetate	2.733	43	698855	94.739	ug/L		98
23) Methylene Chloride	2.824	84	269751	84.295	ug/L		93
24) TBA	2.971	59	1206176	2534.654	ug/L		87
25) Acrylonitrile	3.099	53	1126563	474.433	ug/L		98
26) Methyl-t-Butyl Ether	3.141	73	996190	107.754	ug/L		97
27) trans-1,2-Dichloroethene	3.129	96	247298	83.439	ug/L		96
28) 1,1-Diclethane	3.647	63	568959	88.011	ug/L		99
29) Vinyl Acetate	3.745	86	43702	107.387	ug/L	#	70
30) DIPE	3.775	45	1813353	100.538	ug/L		100
31) 2-Chloro-1,3-Butadiene	3.769	53	689008	97.209	ug/L		93
32) ETBE	4.324	59	1294785	137.324	ug/L		99
33) 2,2-Dichloropropane	4.507	77	399926	148.752	ug/L		95
34) cis-1,2-Dichloroethene	4.519	96	298056	84.660	ug/L		94
35) 2-Butanone	4.586	43	348770	93.239	ug/L		95
36) Propionitrile	4.672	54	461538	494.564	ug/L		95
37) Bromochloromethane	4.934	130	223686	94.536	ug/L		98
38) Methacrylonitrile	4.946	67	160475	88.036	ug/L	#	87
39) Tetrahydrofuran	5.037	42	223234	94.501	ug/L		90
40) Chloroform	5.117	83	496163	88.653	ug/L		96

1st FNJ 12/08/23
2nd WR 12/13/23

Data Path : I:\ACQUDATA\msvoa10\data\120823\
Data File : D4041.D
Acq On : 08 Dec 2023 01:24 pm
Operator : F.NAEGLER
Sample : 100 PPB STD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 08 13:55:08 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Sun Nov 12 10:06:26 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) 1,1,1-Trichloroethane	5.403	97	422107	106.658	ug/L		92
43) Cyclohexane	5.476	41	419380	89.070	ug/L		100
45) Carbontetrachloride	5.671	117	364342	115.700	ug/L		98
46) 1,1-Dichloropropene	5.684	75	331482	87.572	ug/L		99
48) Benzene	5.995	78	1022938	88.757	ug/L		93
49) 1,2-Dichloroethane	6.037	62	553912	109.761	ug/L		96
50) Iso-Butyl Alcohol	6.025	43	692006	2648.739	ug/L		88
51) TAME	6.232	73	966583	139.086	ug/L		94
52) n-Heptane	6.464	43	496087	91.920	ug/L		91
53) 1-Butanol	6.970	56	857832	7301.369	ug/L		98
54) Trichloroethene	6.927	130	284403	86.875	ug/L		95
55) Methylcyclohexane	7.159	55	447820	87.252	ug/L		96
56) 1,2-Diclpropane	7.208	63	331812	90.919	ug/L		95
57) Dibromomethane	7.354	93	205143	97.075	ug/L		94
58) 1,4-Dioxane	7.421	88	109546	1849.964	ug/L		90
59) Methyl Methacrylate	7.433	69	249260	99.218	ug/L	#	83
60) Bromodichloromethane	7.574	83	398985	101.052	ug/L		99
61) 2-Nitropropane	7.866	41	324867	255.895	ug/L		95
62) 2-Chloroethylvinyl Ether	7.976	63	206748	91.165	ug/L		97
63) cis-1,3-Dichloropropene	8.116	75	485659	115.828	ug/L		96
64) 4-Methyl-2-pentanone	8.323	43	698902	103.165	ug/L		97
66) Toluene	8.482	91	1124197	87.108	ug/L		97
67) trans-1,3-Dichloropropene	8.750	75	485264	144.131	ug/L		99
68) Ethyl Methacrylate	8.884	69	463410	106.076	ug/L		88
69) 1,1,2-Trichloroethane	8.939	97	281726	92.487	ug/L		99
72) Tetrachloroethene	9.067	164	239756	89.191	ug/L		96
73) 2-Hexanone	9.226	43	518205	107.153	ug/L		98
74) 1,3-Dichloropropane	9.104	76	483060	95.252	ug/L		86
75) Dibromochloromethane	9.329	129	358426	108.353	ug/L		96
76) N-Butyl Acetate	9.378	43	1091813	124.090	ug/L		96
77) 1,2-Dibromoethane	9.427	107	318502	108.262	ug/L		97
78) 3-Chlorobenzotrifluoride	9.927	180	557545	114.139	ug/L		97
79) Chlorobenzene	9.915	112	790846	93.938	ug/L		98
80) 4-Chlorobenzotrifluoride	9.982	180	507227	115.362	ug/L		95
81) 1,1,1,2-Tetrachloroethane	10.000	131	327753	120.154	ug/L		97
82) Ethylbenzene	10.030	106	403945	90.630	ug/L		94
83) (m+p)Xylene	10.146	106	1001994	178.951	ug/L		99
84) o-Xylene	10.500	106	505673	91.652	ug/L		96
85) Styrene	10.512	104	938458	99.611	ug/L		99
86) Bromoform	10.664	173	270461	118.179	ug/L		97
87) 2-Chlorobenzotrifluoride	10.744	180	554156	114.634	ug/L		97
88) Isopropylbenzene	10.835	105	1269971	92.917	ug/L		99
89) Cyclohexanone	10.902	55	2265266	2523.603	ug/L		94
90) trans-1,4-Dichloro-2-B...	11.146	53	195983	131.628	ug/L		75
92) 1,1,2,2-Tetrachloroethane	11.091	83	406680	90.824	ug/L		98
93) Bromobenzene	11.079	156	415449	92.584	ug/L		96
94) 1,2,3-Trichloropropane	11.122	110	133293	86.870	ug/L		92
95) n-Propylbenzene	11.189	91	1442007	85.523	ug/L		98
96) 2-Chlorotoluene	11.250	91	912033	87.041	ug/L		98
97) 3-Chlorotoluene	11.304	91	1041645	101.336	ug/L		98
98) 4-Chlorotoluene	11.341	91	1078711	90.152	ug/L		96
99) 1,3,5-Trimethylbenzene	11.341	105	1126141	89.191	ug/L		99
100) tert-Butylbenzene	11.609	119	933156	84.869	ug/L		98
101) 1,2,4-Trimethylbenzene	11.652	105	1153821	90.114	ug/L		98
102) 3,4-Dichlorobenzotrifl...	11.713	214	464315	114.030	ug/L		98
103) sec-Butylbenzene	11.792	105	1287504	86.897	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\120823\
Data File : D4041.D
Acq On : 08 Dec 2023 01:24 pm
Operator : F.NAEGLER
Sample : 100 PPB STD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 08 13:55:08 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Sun Nov 12 10:06:26 2023
Response via : Initial Calibration

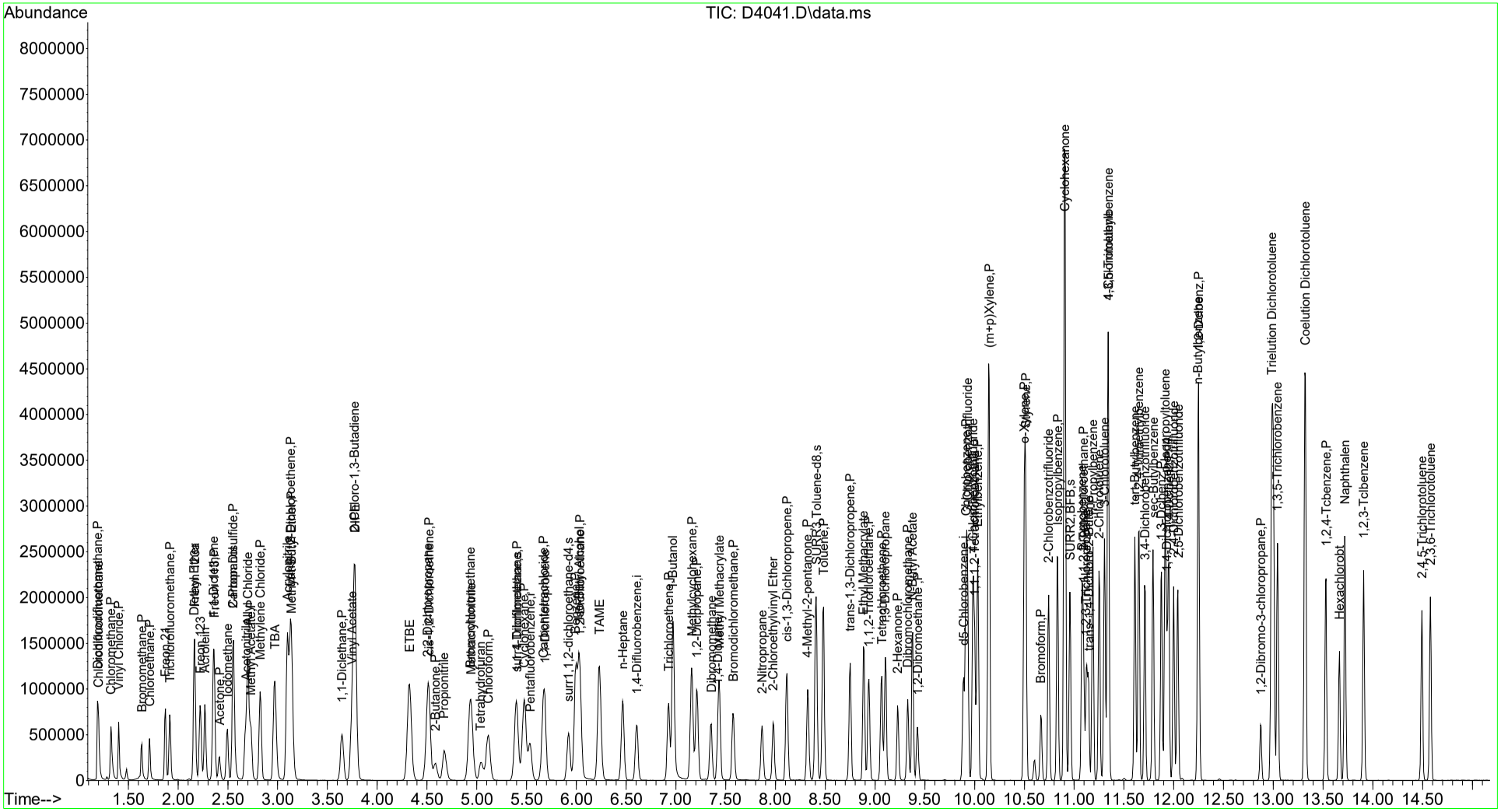
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) p-Isopropyltoluene	11.914	119	1170894	88.029	ug/L	98
105) 1,3-Dclbenz	11.878	146	721941	90.686	ug/L	97
106) 1,4-Dclbenz	11.951	146	740636	91.389	ug/L	100
107) 2,4-Dichlorobenzotrifl...	11.999	214	413599	104.655	ug/L	98
108) 2,5-Dichlorobenzotrifl...	12.042	214	473010	107.848	ug/L	95
109) n-Butylbenzene	12.243	91	953077	85.135	ug/L	97
110) 1,2-Dclbenz	12.249	146	733572	93.343	ug/L	98
111) 1,2-Dibromo-3-chloropr...	12.877	157	127585	118.477	ug/L	96
112) Trielution Dichlorotol...	12.987	125	1955325	313.886	ug/L	97
113) 1,3,5-Trichlorobenzene	13.042	180	621630	102.185	ug/L	99
114) Coelution Dichlorotoluene	13.322	125	1460522	209.619	ug/L	95
115) 1,2,4-Tcbenzene	13.530	180	579236	97.384	ug/L	98
116) Hexachlorobt	13.664	225	227120	88.940	ug/L	97
117) Naphthalen	13.719	128	1524193	94.610	ug/L	98
118) 1,2,3-Tclbenzene	13.908	180	575957	96.948	ug/L	97
119) 2,4,5-Trichlorotoluene	14.493	159	380835	106.345	ug/L	96
120) 2,3,6-Trichlorotoluene	14.578	159	384444	119.937	ug/L	97

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\120823\
Data File : D4041.D
Acq On : 08 Dec 2023 01:24 pm
Operator : F.NAEGLER
Sample : 100 PPB STD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 08 13:55:08 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Sun Nov 12 10:06:26 2023
Response via : Initial Calibration

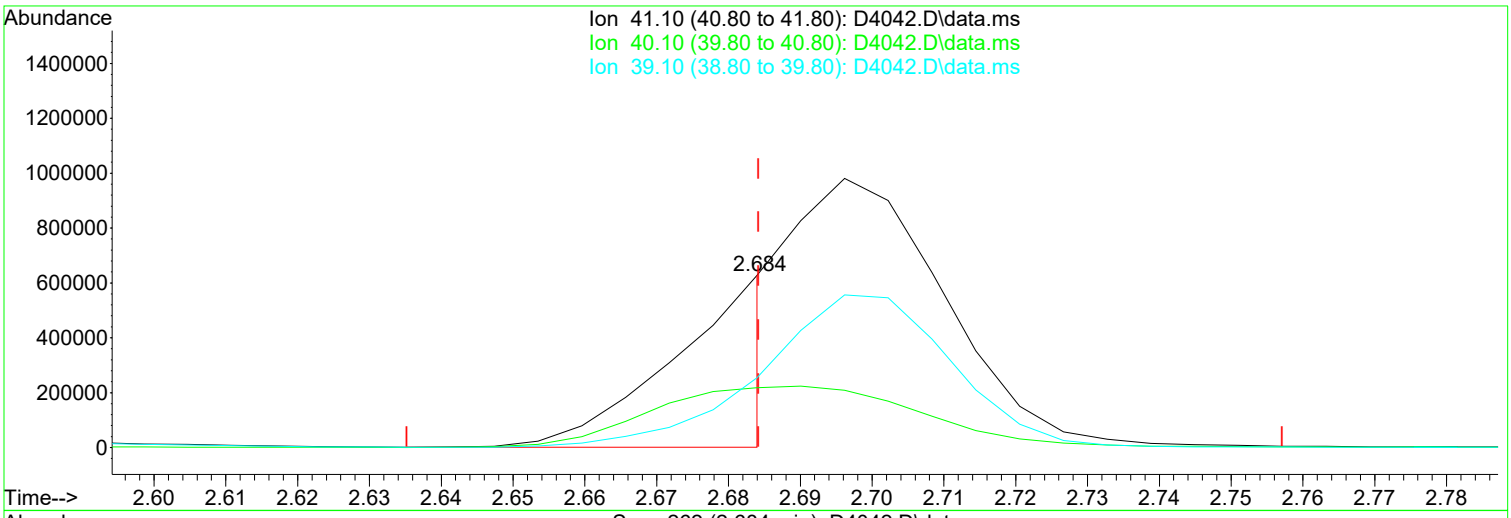


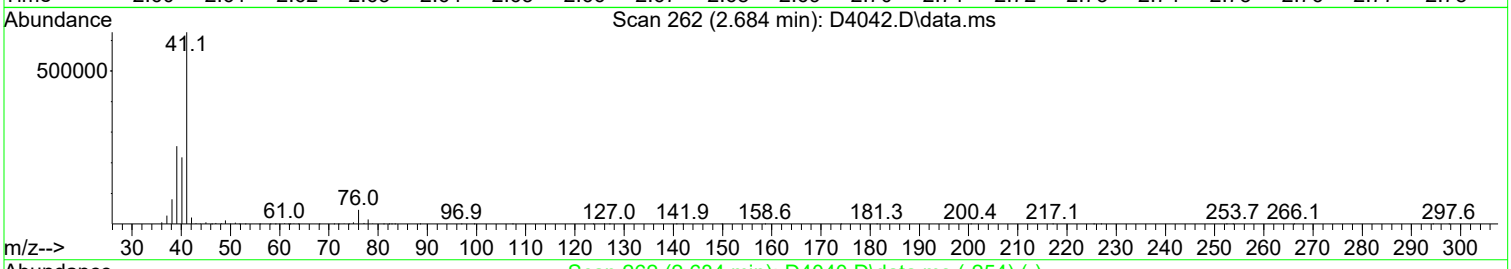
1st FJ 12/08/23
2nd 12/13/23

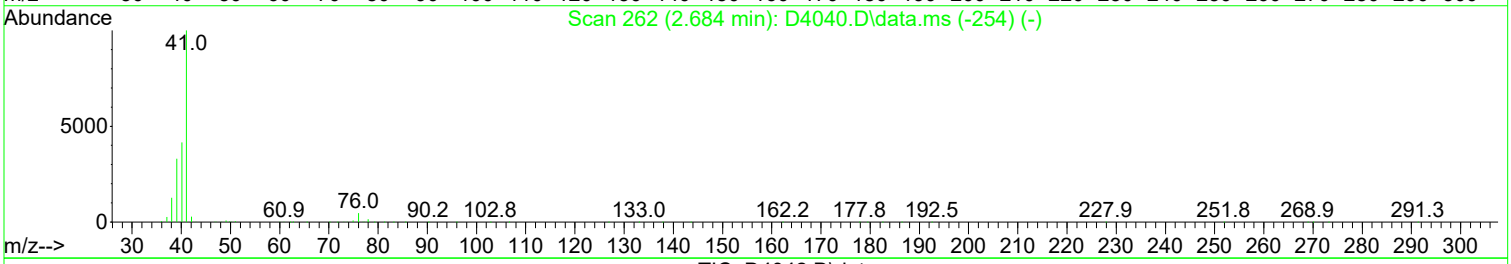
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\120823\
Data File : D4042.D
Acq On : 08 Dec 2023 01:46 pm
Operator : F.NAEGLER
Sample : 150 PPB STD
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 08 14:32:08 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Fri Dec 08 13:56:15 2023
Response via : Initial Calibration







TIC: D4042.D\data.ms

(20) Acetonitrile

2.684min (-0.000) 709.78 ug/L m

response 607974

Ion	Exp%	Act%
41.10	100.00	100.00
40.10	41.80	34.70
39.10	33.10	40.56
0.00	0.00	0.00

Manual Integration:

After

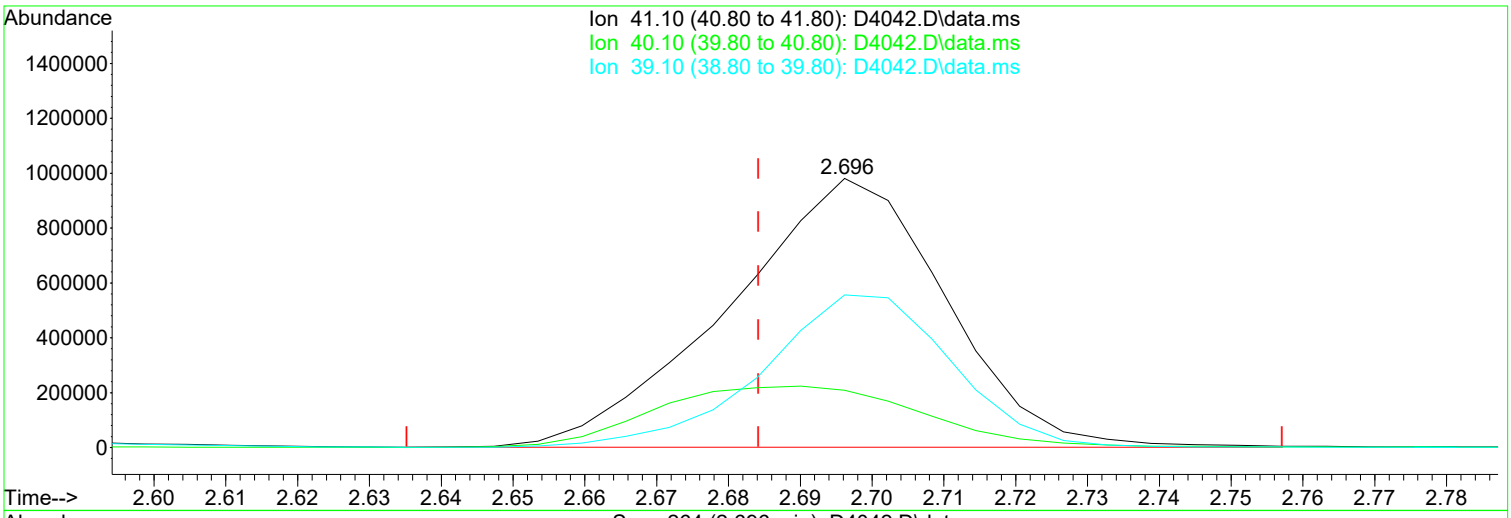
Poor integration.

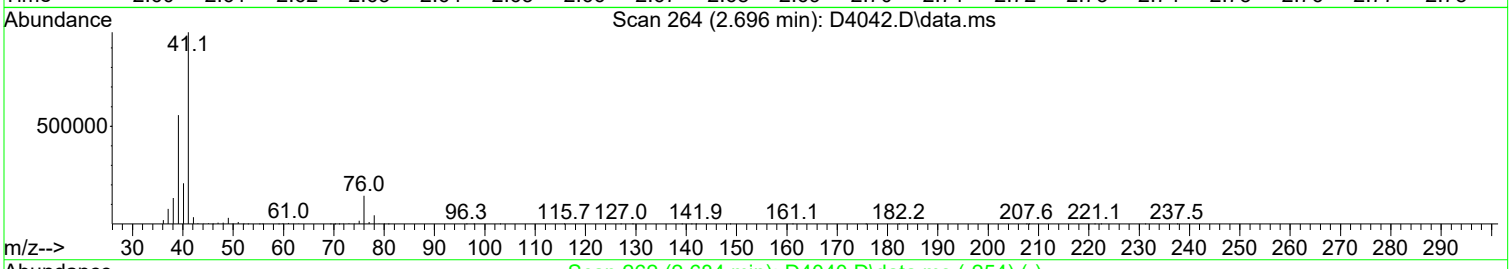
12/08/23

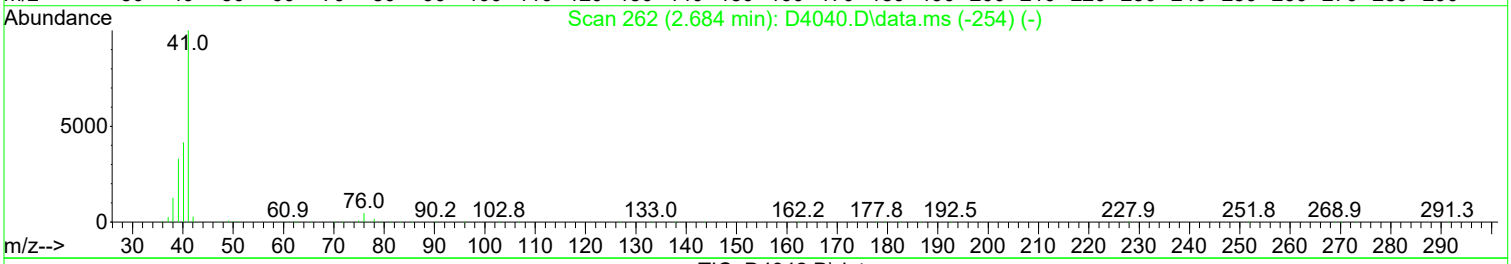
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\120823\
Data File : D4042.D
Acq On : 08 Dec 2023 01:46 pm
Operator : F.NAEGLER
Sample : 150 PPB STD
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 08 14:32:08 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Fri Dec 08 13:56:15 2023
Response via : Initial Calibration







TIC: D4042.D\data.ms

(20) Acetonitrile

2.696min (+ 0.012) 2398.40 ug/L

response 2054403

Ion	Exp%	Act%
41.10	100.00	100.00
40.10	41.80	21.26#
39.10	33.10	56.70#
0.00	0.00	0.00

Manual Integration:

Before

12/08/23

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\120823\
Data File : D4042.D
Acq On : 08 Dec 2023 01:46 pm
Operator : F.NAEGLER
Sample : 150 PPB STD
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 08 14:32:08 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Fri Dec 08 13:56:15 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.537	168	352502	50.00	ug/L		0.00
42) 1,4-Difluorobenzene	6.604	114	457011	50.00	ug/L		0.00
71) d5-Chlorobenzene	9.890	117	436459	50.00	ug/L		0.00
91) 1,4-Dichlorobenzene-d4	11.926	152	246806	50.00	ug/L		0.00
System Monitoring Compounds							
44) surr4,Dibrflmethane	5.397	113	573053	191.87	ug/L		0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 383.74%#				
47) surr1,1,2-dichloroetha...	5.921	65	786380	196.30	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 392.60%#				
65) SURR3,Toluene-d8	8.408	98	2058511	190.66	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 381.32%#				
70) SURR2,BFB	10.957	95	817299	194.24	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 388.48%#				
Target Compounds							Qvalue
2) Chlorodifluoromethane	1.203	51	644438	177.798	ug/L		99
3) Dichlorodifluoromethane	1.190	85	684830	185.035	ug/L		99
4) Chloromethane	1.324	50	863240	160.540	ug/L		97
5) Vinyl Chloride	1.404	62	624778	172.152	ug/L		99
6) Bromomethane	1.629	94	235560	139.871	ug/L		97
7) Chloroethane	1.702	64	384036	145.052	ug/L		97
8) Freon 21	1.867	67	764823	173.687	ug/L		97
9) Trichlorofluoromethane	1.910	101	723018	171.676	ug/L		99
10) Diethyl Ether	2.166	59	505182	154.263	ug/L		99
11) Freon 123a	2.166	67	500369	162.299	ug/L		95
12) Freon 123	2.221	83	559133	160.372	ug/L		97
13) Acrolein	2.269	56	748468	768.315	ug/L		98
14) 1,1-Diclethene	2.355	96	380060	156.972	ug/L		99
15) Freon 113	2.355	101	418096	160.524	ug/L		91
16) Acetone	2.416	43	433925	162.324	ug/L		94
17) 2-Propanol	2.562	45	1681016	3618.215	ug/L		99
18) Iodomethane	2.489	142	738879	184.592	ug/L		99
19) Carbon Disulfide	2.550	76	1166668	160.165	ug/L		99
20) Acetonitrile	2.684	41	607974m	709.775	ug/L		
21) Allyl Chloride	2.696	76	234951	157.280	ug/L	#	81
22) Methyl Acetate	2.733	43	1041148	151.457	ug/L		100
23) Methylene Chloride	2.824	84	415633	152.208	ug/L		98
24) TBA	2.983	59	2040544	3618.546	ug/L		100
25) Acrylonitrile	3.099	53	1685629	797.427	ug/L		99
26) Methyl-t-Butyl Ether	3.141	73	1517693	165.027	ug/L		98
27) trans-1,2-Dichloroethene	3.123	96	408885	155.586	ug/L		97
28) 1,1-Diclethane	3.647	63	897472	162.523	ug/L		95
29) Vinyl Acetate	3.739	86	63516	184.851	ug/L	#	94
30) DIPE	3.775	45	2652722	158.897	ug/L		99
31) 2-Chloro-1,3-Butadiene	3.769	53	1083448	169.121	ug/L		100
32) ETBE	4.324	59	1886995	162.823	ug/L		97
33) 2,2-Dichloropropane	4.507	77	702891	166.065	ug/L		99
34) cis-1,2-Dichloroethene	4.519	96	468063	150.070	ug/L		98
35) 2-Butanone	4.586	43	561819	159.931	ug/L		100
36) Propionitrile	4.677	54	705480	809.538	ug/L		96
37) Bromochloromethane	4.927	130	320293	150.709	ug/L		95
38) Methacrylonitrile	4.946	67	243666	155.643	ug/L	#	81
39) Tetrahydrofuran	5.043	42	348624	153.724	ug/L		98
40) Chloroform	5.116	83	785769	161.475	ug/L		98

Data Path : I:\ACQUDATA\msvoa10\data\120823\
Data File : D4042.D
Acq On : 08 Dec 2023 01:46 pm
Operator : F.NAEGLER
Sample : 150 PPB STD
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 08 14:32:08 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Fri Dec 08 13:56:15 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) 1,1,1-Trichloroethane	5.397	97	727838	168.686 ug/L		99
43) Cyclohexane	5.476	41	706234	177.167 ug/L		95
45) Carbontetrachloride	5.665	117	657609	179.154 ug/L		90
46) 1,1-Dichloropropene	5.677	75	582295	160.324 ug/L		95
48) Benzene	5.994	78	1647187	155.913 ug/L		97
49) 1,2-Dichloroethane	6.037	62	815961	152.074 ug/L		97
50) Iso-Butyl Alcohol	6.031	43	1169776	3619.434 ug/L		98
51) TAME	6.232	73	1425498	160.977 ug/L		98
52) n-Heptane	6.464	43	926596	171.082 ug/L		95
53) 1-Butanol	6.976	56	1454372	10245.771 ug/L		97
54) Trichloroethene	6.927	130	473068	154.667 ug/L		96
55) Methylcyclohexane	7.159	55	757087	174.481 ug/L		99
56) 1,2-Diclpropane	7.214	63	498493	158.600 ug/L		94
57) Dibromomethane	7.348	93	300495	148.557 ug/L		88
58) 1,4-Dioxane	7.421	88	174198	3296.233 ug/L		96
59) Methyl Methacrylate	7.433	69	385666	163.402 ug/L		97
60) Bromodichloromethane	7.573	83	618636	163.901 ug/L		99
61) 2-Nitropropane	7.866	41	521635	372.989 ug/L		99
62) 2-Chloroethylvinyl Ether	7.976	63	301315	158.933 ug/L		99
63) cis-1,3-Dichloropropene	8.116	75	742951	169.523 ug/L		97
64) 4-Methyl-2-pentanone	8.323	43	1077792	165.671 ug/L		99
66) Toluene	8.482	91	1797706	151.875 ug/L		99
67) trans-1,3-Dichloropropene	8.750	75	730586	174.907 ug/L		95
68) Ethyl Methacrylate	8.890	69	711773	172.527 ug/L		93
69) 1,1,2-Trichloroethane	8.939	97	419410	148.630 ug/L		99
72) Tetrachloroethene	9.067	164	418489	165.109 ug/L		99
73) 2-Hexanone	9.225	43	829726	164.299 ug/L		97
74) 1,3-Dichloropropane	9.103	76	719237	142.309 ug/L		98
75) Dibromochloromethane	9.329	129	548821	161.616 ug/L		98
76) N-Butyl Acetate	9.378	43	1700371	170.633 ug/L		99
77) 1,2-Dibromoethane	9.427	107	468516	154.055 ug/L		99
78) 3-Chlorobenzotrifluoride	9.933	180	885674	157.921 ug/L		95
79) Chlorobenzene	9.914	112	1233556	150.116 ug/L		98
80) 4-Chlorobenzotrifluoride	9.981	180	797804	160.327 ug/L		97
81) 1,1,1,2-Tetrachloroethane	10.000	131	509509	157.386 ug/L		98
82) Ethylbenzene	10.030	106	660907	159.067 ug/L	#	91
83) (m+p)Xylene	10.146	106	1631818	310.041 ug/L		98
84) o-Xylene	10.499	106	805705	150.584 ug/L		92
85) Styrene	10.512	104	1440290	163.102 ug/L		99
86) Bromoform	10.664	173	415359	172.702 ug/L		97
87) 2-Chlorobenzotrifluoride	10.743	180	867148	158.849 ug/L		100
88) Isopropylbenzene	10.835	105	2166440	163.996 ug/L		98
89) Cyclohexanone	10.908	55	3896200	3853.903 ug/L		99
90) trans-1,4-Dichloro-2-B...	11.146	53	313433	173.531 ug/L		91
92) 1,1,2,2-Tetrachloroethane	11.097	83	610594	139.719 ug/L		100
93) Bromobenzene	11.079	156	638771	153.719 ug/L		97
94) 1,2,3-Trichloropropane	11.127	110	209830	139.228 ug/L		97
95) n-Propylbenzene	11.188	91	2463571	163.321 ug/L		98
96) 2-Chlorotoluene	11.249	91	1498335	153.350 ug/L		99
97) 3-Chlorotoluene	11.304	91	1579453	155.836 ug/L		99
98) 4-Chlorotoluene	11.347	91	1763179	158.970 ug/L		97
99) 1,3,5-Trimethylbenzene	11.341	105	1873637	162.746 ug/L		97
100) tert-Butylbenzene	11.609	119	1617149	161.796 ug/L		99
101) 1,2,4-Trimethylbenzene	11.652	105	1887969	156.782 ug/L		98
102) 3,4-Dichlorobenzotrifl...	11.713	214	731140	155.544 ug/L		98
103) sec-Butylbenzene	11.792	105	2225905	168.230 ug/L		99

1st FJ 12/08/23
2nd 12/13/23

Data Path : I:\ACQUDATA\msvoa10\data\120823\
Data File : D4042.D
Acq On : 08 Dec 2023 01:46 pm
Operator : F.NAEGLER
Sample : 150 PPB STD
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 08 14:32:08 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Fri Dec 08 13:56:15 2023
Response via : Initial Calibration

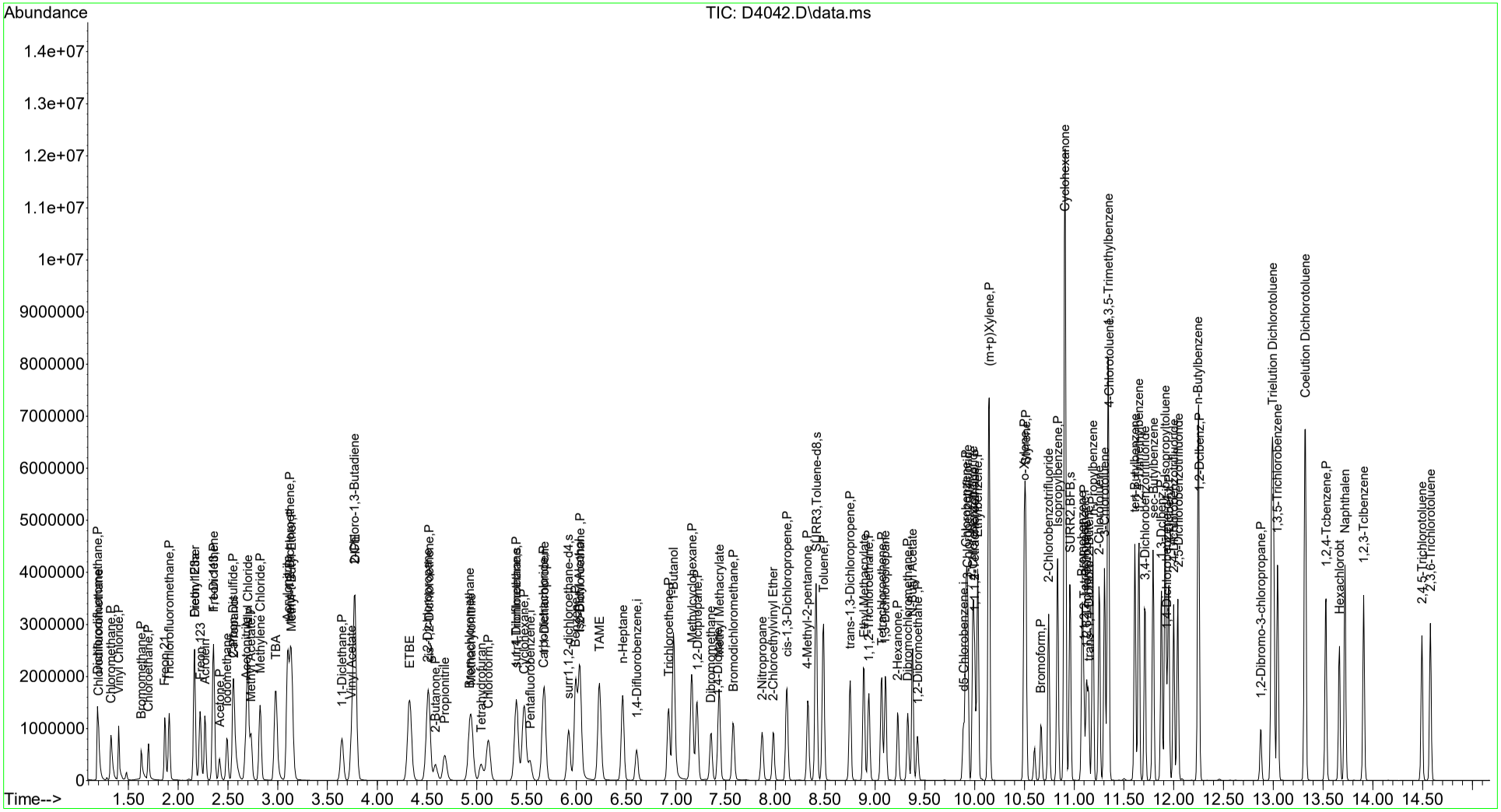
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) p-Isopropyltoluene	11.914	119	2058184	170.146	ug/L	99
105) 1,3-Dclbenz	11.877	146	1144906	154.798	ug/L	97
106) 1,4-Dclbenz	11.950	146	1160058	148.498	ug/L	98
107) 2,4-Dichlorobenzotrifl...	11.999	214	658614	159.131	ug/L	98
108) 2,5-Dichlorobenzotrifl...	12.042	214	752747	154.983	ug/L	97
109) n-Butylbenzene	12.243	91	1711197	173.370	ug/L	99
110) 1,2-Dclbenz	12.255	146	1128375	151.105	ug/L	98
111) 1,2-Dibromo-3-chloropr...	12.877	157	208530	165.861	ug/L	91
112) Trielution Dichlorotol...	12.993	125	3093031	491.694	ug/L	94
113) 1,3,5-Trichlorobenzene	13.042	180	986251	159.550	ug/L	99
114) Coelution Dichlorotoluene	13.322	125	2254724	327.705	ug/L	97
115) 1,2,4-Tcbenzene	13.529	180	931809	163.563	ug/L	97
116) Hexachlorobt	13.664	225	419010	173.971	ug/L	97
117) Naphthalen	13.718	128	2390571	156.187	ug/L	97
118) 1,2,3-Tclbenzene	13.907	180	894767	159.529	ug/L	99
119) 2,4,5-Trichlorotoluene	14.493	159	580484	162.729	ug/L	96
120) 2,3,6-Trichlorotoluene	14.578	159	571034	158.824	ug/L	95

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\120823\
Data File : D4042.D
Acq On : 08 Dec 2023 01:46 pm
Operator : F.NAEGLER
Sample : 150 PPB STD
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 08 14:32:08 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Fri Dec 08 13:56:15 2023
Response via : Initial Calibration

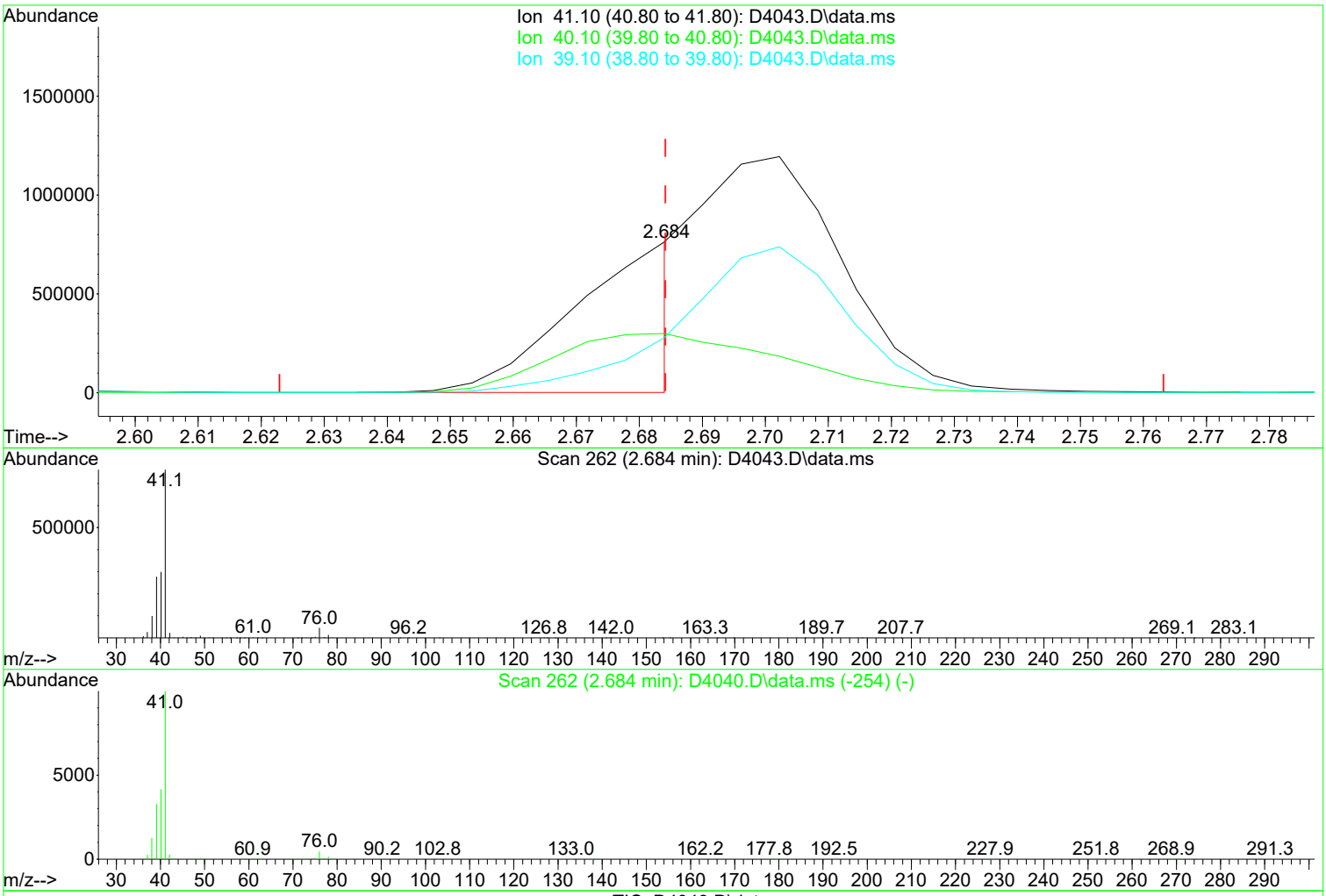


1st FJ 12/08/23
2nd 12/13/23

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\120823\
Data File : D4043.D
Acq On : 08 Dec 2023 02:09 pm
Operator : F.NAEGLER
Sample : 200 PPB STD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 08 14:33:27 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Fri Dec 08 14:33:22 2023
Response via : Initial Calibration



TIC: D4043.D\data.ms

(20) Acetonitrile

2.684min (-0.000) 1004.50 ug/L m

response 880714

Ion	Exp%	Act%
41.10	100.00	100.00
40.10	41.80	39.27
39.10	33.10	36.48
0.00	0.00	0.00

Manual Integration:

After

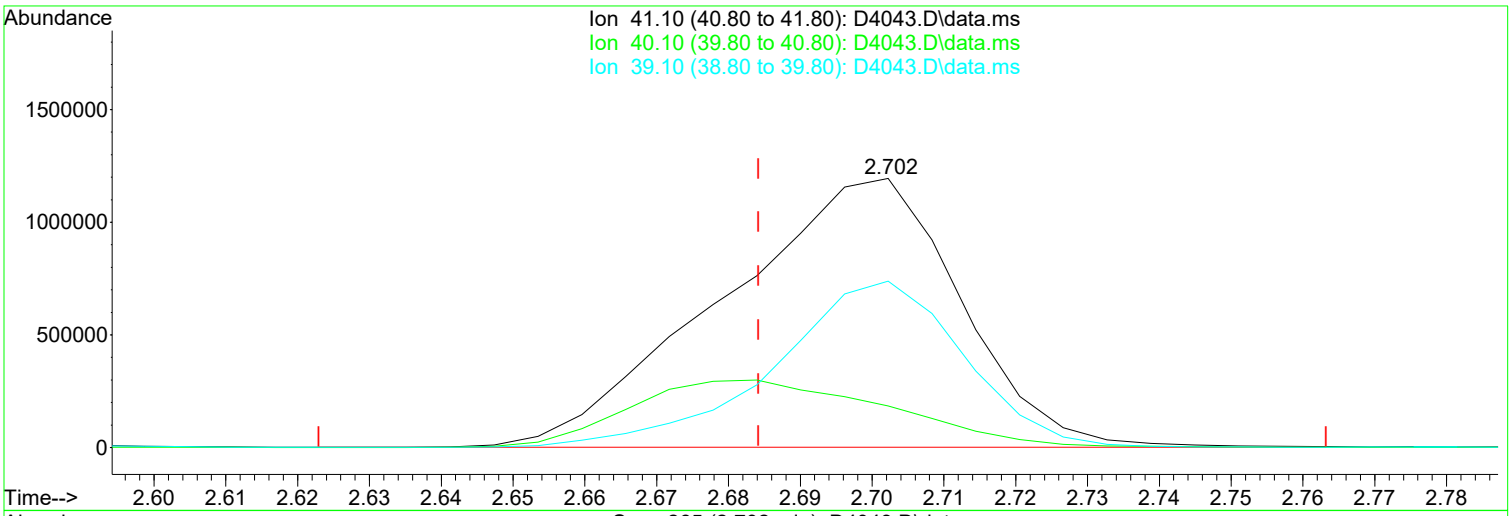
Poor integration.

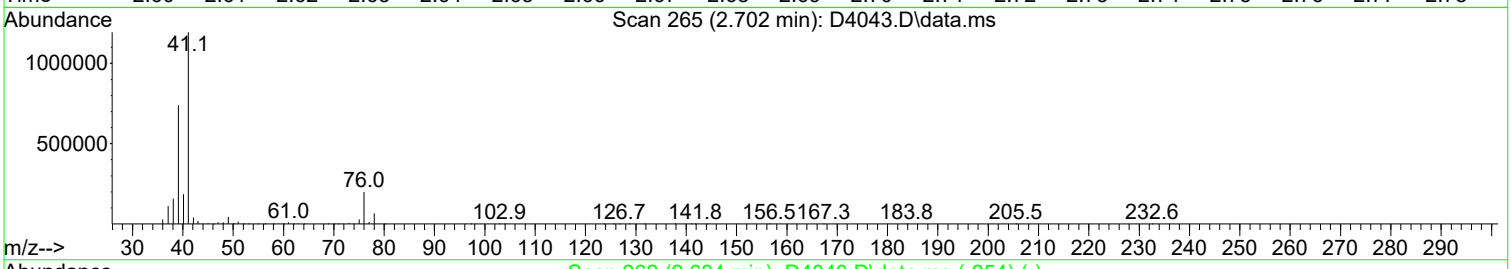
12/08/23

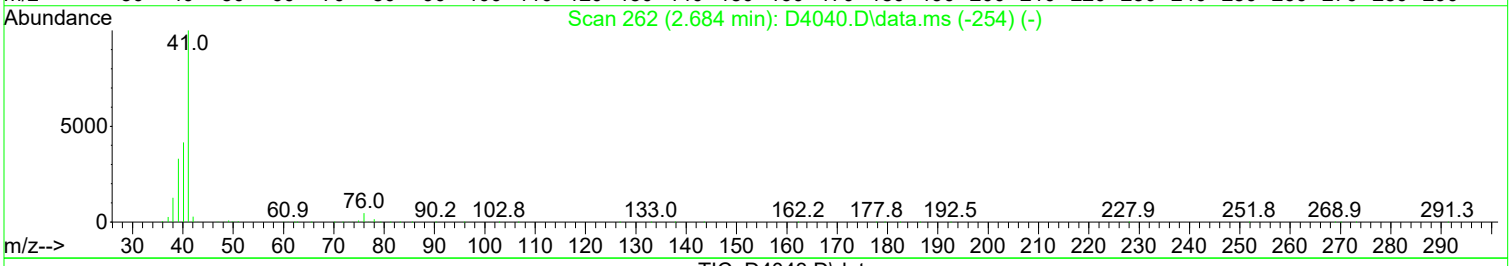
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\120823\
Data File : D4043.D
Acq On : 08 Dec 2023 02:09 pm
Operator : F.NAEGLER
Sample : 200 PPB STD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 08 14:33:27 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Fri Dec 08 14:33:22 2023
Response via : Initial Calibration







TIC: D4043.D\data.ms

(20) Acetonitrile

2.702min (+ 0.018) 3145.48 ug/L

response 2757850

Ion	Exp%	Act%
41.10	100.00	100.00
40.10	41.80	15.50#
39.10	33.10	61.89#
0.00	0.00	0.00

Manual Integration:

Before

12/08/23

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\120823\
Data File : D4043.D
Acq On : 08 Dec 2023 02:09 pm
Operator : F.NAEGLER
Sample : 200 PPB STD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 08 14:33:27 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Fri Dec 08 14:33:22 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.537	168	364066	50.00	ug/L		0.00
42) 1,4-Difluorobenzene	6.604	114	459910	50.00	ug/L		0.00
71) d5-Chlorobenzene	9.890	117	442516	50.00	ug/L		0.00
91) 1,4-Dichlorobenzene-d4	11.932	152	255103	50.00	ug/L		0.00
System Monitoring Compounds							
44) surr4,Dibrflmethane	5.397	113	147185	49.37	ug/L		0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 98.74%				
47) surr1,1,2-dichloroetha...	5.921	65	202595	50.44	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 100.88%				
65) SURR3,Toluene-d8	8.408	98	529306	49.17	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 98.34%				
70) SURR2,BFB	10.957	95	215743	51.25	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 102.50%				
Target Compounds							Qvalue
2) Chlorodifluoromethane	1.203	51	848680	221.577	ug/L		99
3) Dichlorodifluoromethane	1.190	85	906325	230.377	ug/L		98
4) Chloromethane	1.324	50	1172032	209.206	ug/L		100
5) Vinyl Chloride	1.404	62	829729	217.350	ug/L		99
6) Bromomethane	1.635	94	329513	191.289	ug/L		97
7) Chloroethane	1.709	64	514958	189.104	ug/L		99
8) Freon 21	1.873	67	995768	214.712	ug/L		95
9) Trichlorofluoromethane	1.916	101	943664	213.101	ug/L		98
10) Diethyl Ether	2.166	59	668209	196.865	ug/L		99
11) Freon 123a	2.166	67	642437	199.714	ug/L		97
12) Freon 123	2.221	83	720149	198.280	ug/L		96
13) Acrolein	2.269	56	986191	977.203	ug/L		98
14) 1,1-Diclethene	2.355	96	502276	199.700	ug/L		97
15) Freon 113	2.361	101	544451	200.638	ug/L		91
16) Acetone	2.416	43	560316	199.666	ug/L		97
17) 2-Propanol	2.556	45	2220857	4495.977	ug/L		98
18) Iodomethane	2.495	142	997534	230.657	ug/L		98
19) Carbon Disulfide	2.556	76	1545392	203.693	ug/L		100
20) Acetonitrile	2.684	41	880714m	1004.504	ug/L		
21) Allyl Chloride	2.702	76	316581	203.956	ug/L		99
22) Methyl Acetate	2.733	43	1369925	192.687	ug/L		99
23) Methylene Chloride	2.824	84	542932	192.157	ug/L		94
24) TBA	2.977	59	2714461	4505.883	ug/L		98
25) Acrylonitrile	3.099	53	2212830	1005.632	ug/L		100
26) Methyl-t-Butyl Ether	3.141	73	1994747	207.413	ug/L		99
27) trans-1,2-Dichloroethene	3.129	96	539730	197.930	ug/L		96
28) 1,1-Diclethane	3.647	63	1195424	207.438	ug/L		95
29) Vinyl Acetate	3.739	86	81874	223.298	ug/L	#	97
30) DIPE	3.775	45	3423240	197.077	ug/L		97
31) 2-Chloro-1,3-Butadiene	3.769	53	1433907	213.318	ug/L		97
32) ETBE	4.324	59	2479599	204.970	ug/L		96
33) 2,2-Dichloropropane	4.507	77	927846	209.051	ug/L		97
34) cis-1,2-Dichloroethene	4.519	96	613002	190.286	ug/L		95
35) 2-Butanone	4.580	43	724407	197.055	ug/L		99
36) Propionitrile	4.677	54	924210	1016.756	ug/L		97
37) Bromochloromethane	4.927	130	425845	193.895	ug/L		98
38) Methacrylonitrile	4.946	67	322014	198.090	ug/L	#	83
39) Tetrahydrofuran	5.043	42	446684	189.921	ug/L		100
40) Chloroform	5.116	83	1019404	200.911	ug/L		96

1st FNJ 12/08/23
2nd WR 12/13/23

Data Path : I:\ACQUDATA\msvoa10\data\120823\
Data File : D4043.D
Acq On : 08 Dec 2023 02:09 pm
Operator : F.NAEGLER
Sample : 200 PPB STD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 08 14:33:27 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Fri Dec 08 14:33:22 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) 1,1,1-Trichloroethane	5.397	97	960226	212.172 ug/L	97
43) Cyclohexane	5.476	41	892333	216.831 ug/L	95
45) Carbontetrachloride	5.671	117	875999	231.521 ug/L	93
46) 1,1-Dichloropropene	5.683	75	761372	206.531 ug/L	98
48) Benzene	5.994	78	2143332	200.608 ug/L	98
49) 1,2-Dichloroethane	6.037	62	1084722	200.543 ug/L	97
50) Iso-Butyl Alcohol	6.031	43	1558305	4631.805 ug/L	96
51) TAME	6.232	73	1846414	205.317 ug/L	98
52) n-Heptane	6.464	43	1195367	214.998 ug/L	96
53) 1-Butanol	6.976	56	1951925	12985.131 ug/L	96
54) Trichloroethene	6.927	130	625327	202.372 ug/L	96
55) Methylcyclohexane	7.159	55	961948	215.277 ug/L	98
56) 1,2-Diclpropane	7.214	63	663551	208.291 ug/L	95
57) Dibromomethane	7.354	93	399542	196.515 ug/L	96
58) 1,4-Dioxane	7.421	88	229919	4253.185 ug/L	96
59) Methyl Methacrylate	7.433	69	495902	206.477 ug/L	100
60) Bromodichloromethane	7.573	83	816265	212.437 ug/L	98
61) 2-Nitropropane	7.866	41	699148	480.080 ug/L	100
62) 2-Chloroethylvinyl Ether	7.982	63	399955	207.864 ug/L	98
63) cis-1,3-Dichloropropene	8.116	75	981697	219.024 ug/L	96
64) 4-Methyl-2-pentanone	8.323	43	1411181	211.861 ug/L	98
66) Toluene	8.482	91	2357557	197.608 ug/L	99
67) trans-1,3-Dichloropropene	8.750	75	966528	225.259 ug/L	95
68) Ethyl Methacrylate	8.890	69	939963	222.230 ug/L	93
69) 1,1,2-Trichloroethane	8.939	97	550498	194.076 ug/L	99
72) Tetrachloroethene	9.067	164	538337	206.881 ug/L	95
73) 2-Hexanone	9.225	43	1096499	210.804 ug/L	98
74) 1,3-Dichloropropane	9.103	76	941064	184.836 ug/L	99
75) Dibromochloromethane	9.329	129	732035	210.580 ug/L	97
76) N-Butyl Acetate	9.378	43	2217656	215.267 ug/L	99
77) 1,2-Dibromoethane	9.427	107	622022	201.051 ug/L	97
78) 3-Chlorobenzotrifluoride	9.933	180	1125919	196.712 ug/L	97
79) Chlorobenzene	9.914	112	1652518	198.329 ug/L	98
80) 4-Chlorobenzotrifluoride	9.987	180	1027899	202.001 ug/L	99
81) 1,1,1,2-Tetrachloroethane	10.000	131	685733	207.644 ug/L	98
82) Ethylbenzene	10.030	106	872405	205.543 ug/L	92
83) (m+p)Xylene	10.146	106	2172918	405.501 ug/L	96
84) o-Xylene	10.499	106	1080092	199.006 ug/L	91
85) Styrene	10.512	104	1904330	210.402 ug/L	98
86) Bromoform	10.670	173	573716	230.301 ug/L	97
87) 2-Chlorobenzotrifluoride	10.743	180	1123417	201.491 ug/L	97
88) Isopropylbenzene	10.835	105	2878070	212.406 ug/L	99
89) Cyclohexanone	10.908	55	5121011	4824.434 ug/L	98
90) trans-1,4-Dichloro-2-B...	11.146	53	428474	229.476 ug/L	95
92) 1,1,2,2-Tetrachloroethane	11.097	83	822712	183.708 ug/L	96
93) Bromobenzene	11.079	156	853675	198.139 ug/L	98
94) 1,2,3-Trichloropropane	11.127	110	278270	180.253 ug/L	97
95) n-Propylbenzene	11.188	91	3269490	207.397 ug/L	99
96) 2-Chlorotoluene	11.255	91	1988130	196.313 ug/L	98
97) 3-Chlorotoluene	11.304	91	2076618	197.265 ug/L	99
98) 4-Chlorotoluene	11.347	91	2374632	205.599 ug/L	98
99) 1,3,5-Trimethylbenzene	11.341	105	2516297	209.237 ug/L	98
100) tert-Butylbenzene	11.609	119	2157398	206.795 ug/L	99
101) 1,2,4-Trimethylbenzene	11.652	105	2552759	203.940 ug/L	99
102) 3,4-Dichlorobenzotrifl...	11.713	214	952448	195.134 ug/L	99
103) sec-Butylbenzene	11.792	105	2952320	212.644 ug/L	98

1st FJ 12/08/23
2nd 12/13/23

Data Path : I:\ACQUDATA\msvoa10\data\120823\
Data File : D4043.D
Acq On : 08 Dec 2023 02:09 pm
Operator : F.NAEGLER
Sample : 200 PPB STD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 08 14:33:27 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Fri Dec 08 14:33:22 2023
Response via : Initial Calibration

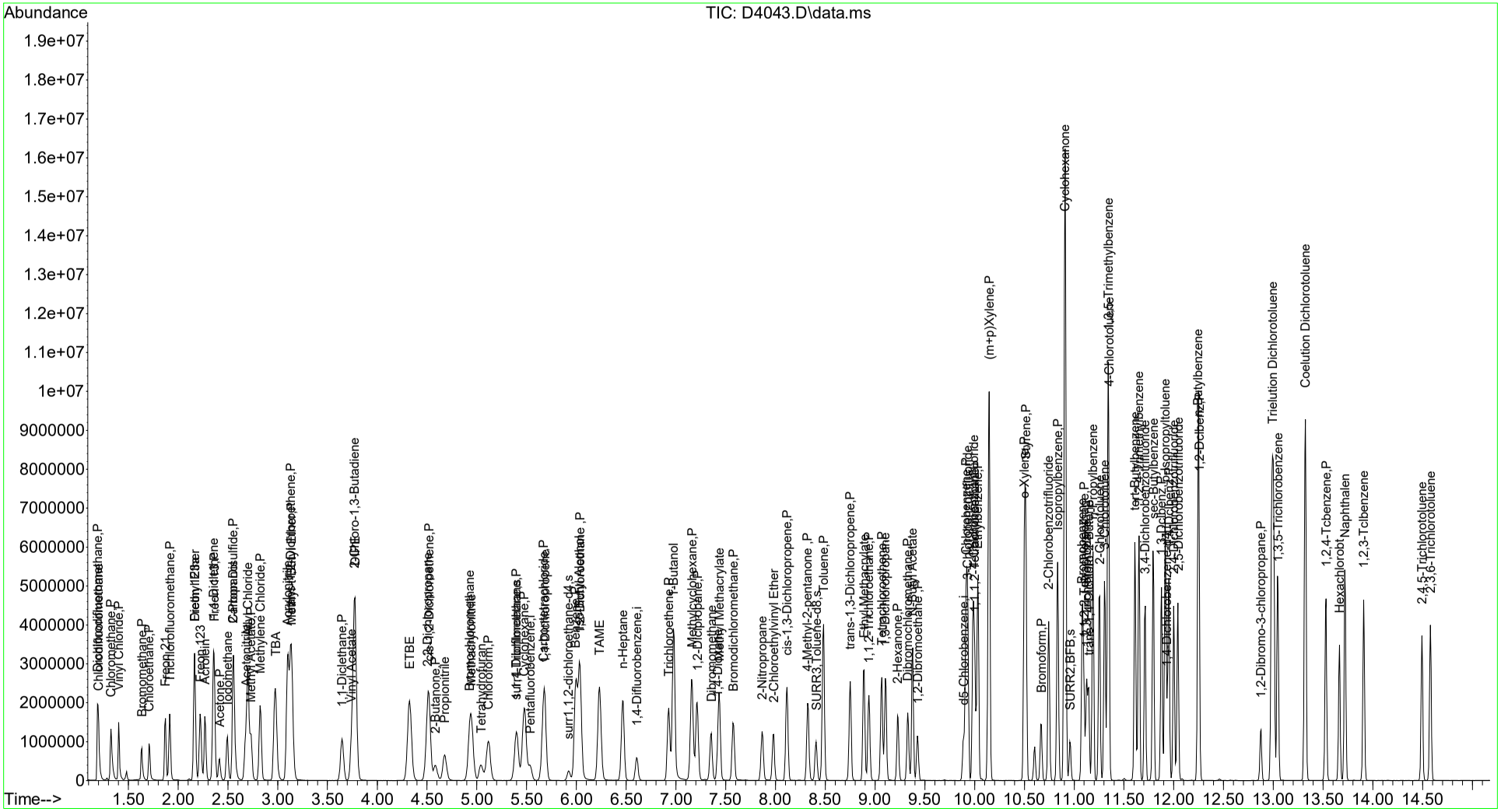
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) p-Isopropyltoluene	11.914	119	2732496	214.935	ug/L	98
105) 1,3-Dclbenz	11.877	146	1551095	202.088	ug/L	96
106) 1,4-Dclbenz	11.950	146	1557651	193.150	ug/L	98
107) 2,4-Dichlorobenzotrifl...	11.999	214	897921	208.310	ug/L	98
108) 2,5-Dichlorobenzotrifl...	12.042	214	962670	190.964	ug/L	96
109) n-Butylbenzene	12.243	91	2323332	223.382	ug/L	100
110) 1,2-Dclbenz	12.255	146	1524958	197.389	ug/L	97
111) 1,2-Dibromo-3-chloropr...	12.877	157	281294	213.239	ug/L	94
112) Trielution Dichlorotol...	12.993	125	4004058	608.766	ug/L	95
113) 1,3,5-Trichlorobenzene	13.048	180	1262070	195.970	ug/L	99
114) Coelution Dichlorotoluene	13.322	125	2867772	398.648	ug/L	98
115) 1,2,4-Tcbenzene	13.529	180	1205393	202.417	ug/L	99
116) Hexachlorobt	13.664	225	554274	218.287	ug/L	98
117) Naphthalen	13.718	128	3131016	196.751	ug/L	98
118) 1,2,3-Tclbenzene	13.907	180	1172050	200.352	ug/L	99
119) 2,4,5-Trichlorotoluene	14.493	159	787104	210.918	ug/L	97
120) 2,3,6-Trichlorotoluene	14.578	159	774040	206.549	ug/L	96

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\120823\
Data File : D4043.D
Acq On : 08 Dec 2023 02:09 pm
Operator : F.NAEGLER
Sample : 200 PPB STD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 08 14:33:27 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Fri Dec 08 14:33:22 2023
Response via : Initial Calibration

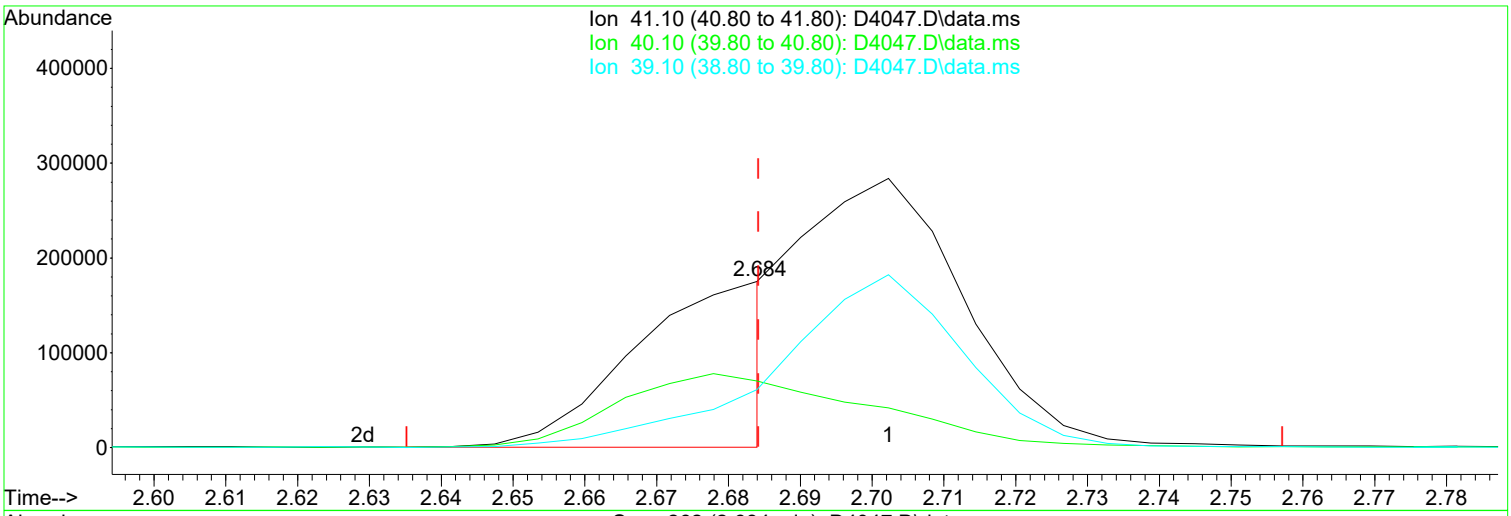


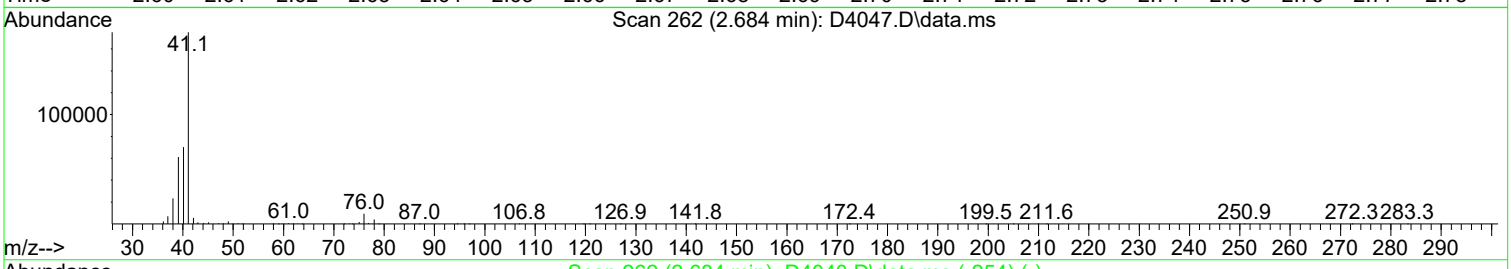
1st FJ 12/08/23
2nd 12/13/23

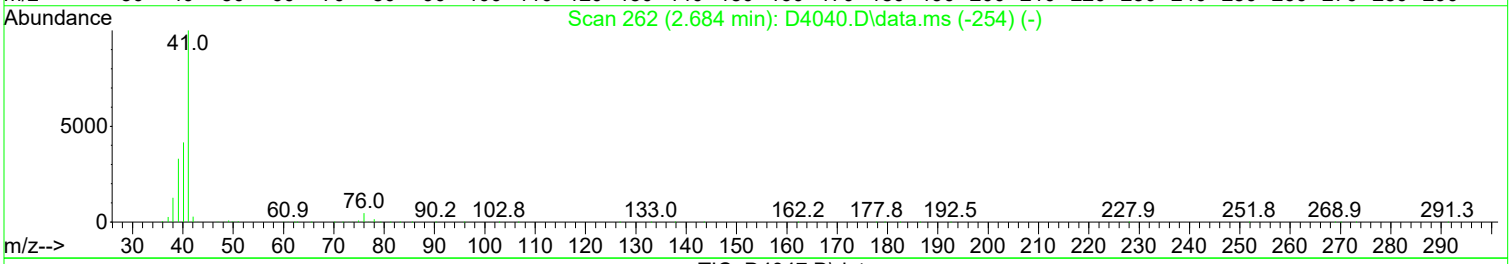
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\120823\
Data File : D4047.D
Acq On : 08 Dec 2023 03:40 pm
Operator : F.NAEGLER
Sample : 50 PPB ICV
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Dec 08 15:59:14 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Fri Dec 08 14:34:38 2023
Response via : Initial Calibration







TIC: D4047.D\data.ms

(20) Acetonitrile

2.684min (-0.000) 247.82 ug/L m

response 232886

Ion	Exp%	Act%
41.10	100.00	100.00
40.10	41.80	40.06
39.10	33.10	34.93
0.00	0.00	0.00

Manual Integration:

After

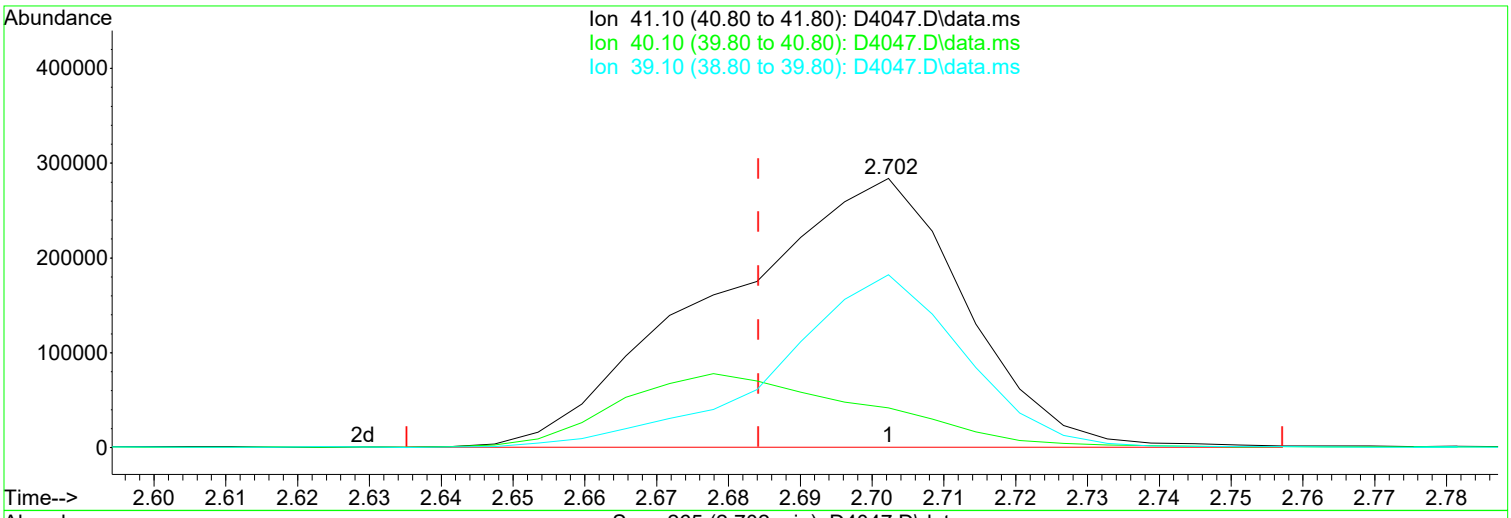
Poor integration.

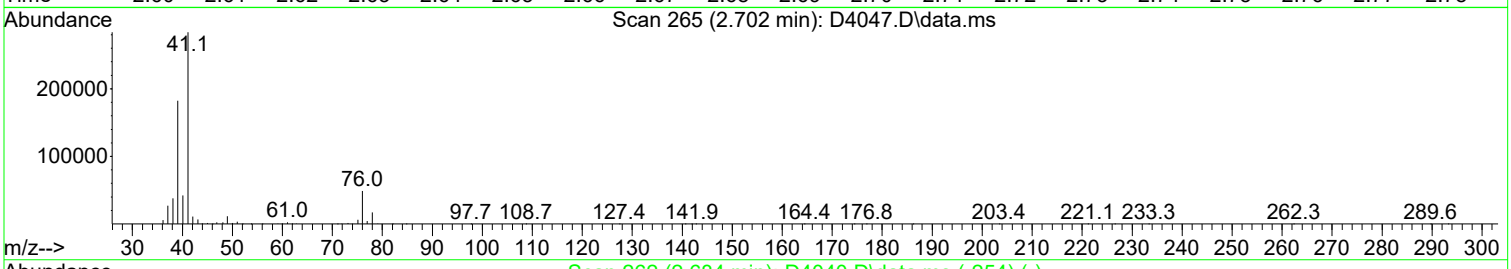
12/08/23

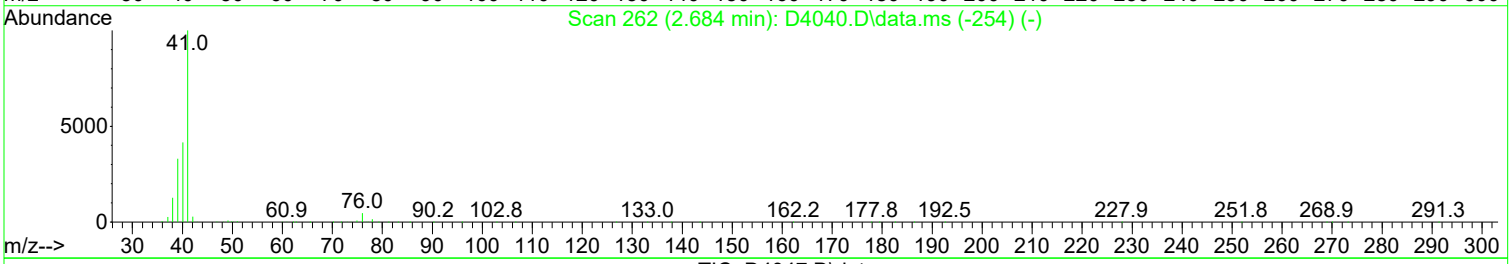
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\120823\
Data File : D4047.D
Acq On : 08 Dec 2023 03:40 pm
Operator : F.NAEGLER
Sample : 50 PPB ICV
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Dec 08 15:59:14 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Fri Dec 08 14:34:38 2023
Response via : Initial Calibration







TIC: D4047.D\data.ms

(20) Acetonitrile

2.702min (+ 0.018) 724.77 ug/L

response 681105

Ion	Exp%	Act%
41.10	100.00	100.00
40.10	41.80	14.80#
39.10	33.10	64.21#
0.00	0.00	0.00

Manual Integration:

Before

12/08/23

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\msvoa10\data\120823\
Data File : D4047.D
Acq On : 08 Dec 2023 03:40 pm
Operator : F.NAEGLER
Sample : 50 PPB ICV
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Dec 08 15:59:14 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Fri Dec 08 14:34:38 2023
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	i	Pentafluorobenzene	50.000	50.000	0.0	104	0.00
2		Chlorodifluoromethane	50.000	76.662	-53.3#	178	0.00
3	P	Dichlorodifluoromethane	50.000	34.302	31.4#	70	0.00
4	P	Chloromethane	50.000	43.320	13.4	96	0.00
5	P	Vinyl Chloride	50.000	40.724	18.6	88	0.00
6	P	Bromomethane	50.000	45.329	9.3	97	0.00
7	P	Chloroethane	50.000	34.699	30.6#	80	0.00
8		Freon 21	50.000	50.918	-1.8	119	0.00
9	P	Trichlorofluoromethane	50.000	47.806	4.4	101	0.00
10		Diethyl Ether	50.000	46.645	6.7	94	0.00
11		Freon 123a	50.000	54.586	-9.2	136	0.00
12		Freon 123	50.000	64.091	-28.2#	160	0.00
13		Acrolein	250.000	90.712	63.7#	37	0.00
14		1,1-Diclethene	50.000	42.718	14.6	94	0.00
15	P	Freon 113	50.000	45.850	8.3	98	0.00
16	P	Acetone	50.000	40.787	18.4	81	0.00
17		2-Propanol	1000.000	1026.541	-2.7	98	0.00
18		Iodomethane	50.000	41.235	17.5	91	0.00
19	P	Carbon Disulfide	50.000	41.306	17.4	99	0.00
20		Acetonitrile	250.000	247.816	0.9	94	0.00
21		Allyl Chloride	50.000	46.014	8.0	96	0.00
22	P	Methyl Acetate	50.000	37.553	24.9#	77	0.00
23	P	Methylene Chloride	50.000	48.279	3.4	102	0.00
24		TBA	1000.000	961.744	3.8	93	0.00
25		Acrylonitrile	250.000	241.411	3.4	95	0.00
26	P	Methyl-t-Butyl Ether	50.000	48.178	3.6	96	0.00
27	P	trans-1,2-Dichloroethene	50.000	45.579	8.8	100	0.00
28	P	1,1-Diclethane	50.000	48.399	3.2	101	0.00
29		Vinyl Acetate	50.000	56.656	-13.3	122	0.00
30		DIPE	50.000	47.971	4.1	97	0.00
31		2-Chloro-1,3-Butadiene	50.000	45.919	8.2	107	0.00
32		ETBE	50.000	45.242	9.5	91	0.00
33		2,2-Dichloropropane	50.000	47.257	5.5	105	0.00
34	P	cis-1,2-Dichloroethene	50.000	45.614	8.8	100	0.00
35	P	2-Butanone	50.000	40.394	19.2	82	0.00
36		Propionitrile	250.000	232.842	6.9	94	0.00
37		Bromochloromethane	50.000	47.507	5.0	101	0.00
38		Methacrylonitrile	50.000	48.006	4.0	95	0.00
39		Tetrahydrofuran	50.000	45.154	9.7	93	0.00
40	P	Chloroform	50.000	47.986	4.0	101	0.00
41	P	1,1,1-Trichloroethane	50.000	47.151	5.7	101	0.00
42	i	1,4-Difluorobenzene	50.000	50.000	0.0	105	0.00
43	P	Cyclohexane	50.000	57.404	-14.8	134	0.00
44	s	surr4,Dibrflmethane	50.000	47.698	4.6	102	0.00
45	P	Carbontetrachloride	50.000	48.724	2.6	104	0.00
46		1,1-Dichloropropene	50.000	46.587	6.8	104	0.00
47	s	surr1,1,2-dichloroethane-d4	50.000	48.219	3.6	103	0.00
48	P	Benzene	50.000	47.441	5.1	103	0.00
49	P	1,2-Dichloroethane	50.000	45.529	8.9	96	0.00
50		Iso-Butyl Alcohol	1000.000	942.855	5.7	93	0.00
51		TAME	50.000	48.609	2.8	99	0.00

1st FNJ 12/08/23
2nd WR 12/13/23

Data Path : I:\ACQUDATA\msvoa10\data\120823\
Data File : D4047.D
Acq On : 08 Dec 2023 03:40 pm
Operator : F.NAEGLER
Sample : 50 PPB ICV
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Dec 08 15:59:14 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Fri Dec 08 14:34:38 2023
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
52		n-Heptane	50.000	47.911	4.2	104	0.00
53		1-Butanol	2500.000	2404.707	3.8	94	0.00
54	P	Trichloroethene	50.000	45.583	8.8	103	0.00
55	P	Methylcyclohexane	50.000	55.364	-10.7	129	0.00
56	P	1,2-Diclpropane	50.000	48.023	4.0	95	0.00
57		Dibromomethane	50.000	44.057	11.9	95	0.00
58		1,4-Dioxane	1000.000	908.212	9.2	90	0.00
59		Methyl Methacrylate	50.000	49.723	0.6	96	0.00
60	P	Bromodichloromethane	50.000	46.867	6.3	96	0.00
61		2-Nitropropane	100.000	94.097	5.9	92	0.00
62		2-Chloroethylvinyl Ether	50.000	48.040	3.9	97	0.00
63	P	cis-1,3-Dichloropropene	50.000	49.869	0.3	98	0.00
64	P	4-Methyl-2-pentanone	50.000	47.352	5.3	94	0.00
65	s	SURR3,Toluene-d8	50.000	47.998	4.0	103	0.00
66	P	Toluene	50.000	46.356	7.3	101	0.00
67	P	trans-1,3-Dichloropropene	50.000	50.740	-1.5	101	0.00
68		Ethyl Methacrylate	50.000	49.564	0.9	97	0.00
69	P	1,1,2-Trichloroethane	50.000	45.433	9.1	93	0.00
70	s	SURR2,BFB	50.000	47.863	4.3	105	0.00
71	i	d5-Chlorobenzene	50.000	50.000	0.0	106	0.00
72	P	Tetrachloroethene	50.000	49.027	1.9	106	0.00
73	P	2-Hexanone	50.000	46.132	7.7	93	0.00
74		1,3-Dichloropropane	50.000	45.143	9.7	98	0.00
75	P	Dibromochloromethane	50.000	47.404	5.2	96	0.00
76		N-Butyl Acetate	50.000	51.021	-2.0	102	0.00
77	P	1,2-Dibromoethane	50.000	48.780	2.4	97	0.00
78		3-Chlorobenzotrifluoride	50.000	44.758	10.5	95	0.00
79	P	Chlorobenzene	50.000	46.601	6.8	99	0.00
80		4-Chlorobenzotrifluoride	50.000	46.354	7.3	100	0.00
81		1,1,1,2-Tetrachloroethane	50.000	46.664	6.7	100	0.00
82	P	Ethylbenzene	50.000	48.706	2.6	105	0.00
83	P	(m+p)Xylene	100.000	96.369	3.6	103	0.00
84	P	o-Xylene	50.000	46.288	7.4	100	0.00
85	P	Styrene	50.000	48.803	2.4	102	0.00
86	P	Bromoform	50.000	52.414	-4.8	106	0.00
87		2-Chlorobenzotrifluoride	50.000	46.251	7.5	99	0.00
88	P	Isopropylbenzene	50.000	47.022	6.0	101	0.00
89		Cyclohexanone	1000.000	996.241	0.4	89	0.00
90		trans-1,4-Dichloro-2-Butene	50.000	40.176	19.6	81	0.00
91	i	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	99	0.00
92	P	1,1,2,2-Tetrachloroethane	50.000	45.625	8.8	94	0.00
93		Bromobenzene	50.000	49.157	1.7	100	0.00
94		1,2,3-Trichloropropane	50.000	45.667	8.7	95	0.00
95		n-Propylbenzene	50.000	49.542	0.9	102	0.00
96		2-Chlorotoluene	50.000	47.788	4.4	100	0.00
97		3-Chlorotoluene	50.000	49.354	1.3	98	0.00
98		4-Chlorotoluene	50.000	48.866	2.3	101	0.00
99		1,3,5-Trimethylbenzene	50.000	49.153	1.7	100	0.00
100		tert-Butylbenzene	50.000	50.244	-0.5	102	0.00
101		1,2,4-Trimethylbenzene	50.000	48.225	3.5	98	0.00

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\msvoa10\data\120823\
Data File : D4047.D
Acq On : 08 Dec 2023 03:40 pm
Operator : F.NAEGLER
Sample : 50 PPB ICV
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Dec 08 15:59:14 2023
Quant Method : I:\ACQUDATA\msvoa10\Methods\W120823.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Fri Dec 08 14:34:38 2023
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
102		3,4-Dichlorobenzotrifluorid	50.000	46.890	6.2	98	0.00
103		sec-Butylbenzene	50.000	50.435	-0.9	101	0.00
104		p-Isopropyltoluene	50.000	51.706	-3.4	103	0.00
105	P	1,3-Dclbenz	50.000	48.731	2.5	100	0.00
106	P	1,4-Dclbenz	50.000	46.690	6.6	97	0.00
107		2,4-Dichlorobenzotrifluorid	50.000	48.913	2.2	100	0.00
108		2,5-Dichlorobenzotrifluorid	50.000	47.360	5.3	98	0.00
109		n-Butylbenzene	50.000	51.112	-2.2	101	0.00
110	P	1,2-Dclbenz	50.000	47.968	4.1	97	0.00
111	P	1,2-Dibromo-3-chloropropane	50.000	48.878	2.2	94	0.00
112		Trielution Dichlorotoluene	150.000	144.581	3.6	95	0.00
113		1,3,5-Trichlorobenzene	50.000	47.864	4.3	97	0.00
114		Coelution Dichlorotoluene	100.000	97.926	2.1	95	0.00
115	P	1,2,4-Tcbenzene	50.000	48.101	3.8	94	0.00
116		Hexachlorobt	50.000	49.979	0.0	97	0.00
117		Naphthalen	50.000	48.545	2.9	93	0.00
118		1,2,3-Tclbenzene	50.000	48.430	3.1	94	0.00
119		2,4,5-Trichlorotoluene	50.000	49.025	2.0	92	0.00
120		2,3,6-Trichlorotoluene	50.000	48.779	2.4	90	0.00

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

ALS Group USA, Corp.

DBA ALS Environmetal

QC/QC Report

Date Analyzed: 12/8/23 9:57

ICAL Tune Summary

Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\msvoa10\data\120823\D4033.D Analytical Method: 8260C/624.1

Instrument ID: R-MS-10

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Results Pass/Fail
50	95	15	40	28.6	43709	PASS
75	95	30	60	50.3	76782	PASS
95	95	100	100	100.0	152565	PASS
96	95	5	9	7.0	10744	PASS
173	174	0	2	0.5	734	PASS
174	95	50	120	98.8	150808	PASS
175	174	5	9	8.2	12347	PASS
176	174	95	101	99.5	150112	PASS
177	176	5	9	6.6	9889	PASS

Sample Name	Lab Code	File ID:	Date Analyzes:	Q
ICALBLK	ICALBLK	I:\ACQUDATA\msvoa10\data\120823\D4034.D	12/8/23 10:45	
0.5 PPB STD	0.5 PPB STD	I:\ACQUDATA\msvoa10\data\120823\D4035.D	12/8/23 11:07	
1.0 PPB STD	1.0 PPB STD	I:\ACQUDATA\MSVOA10\DATA\120823\D4036.D	12/8/23 11:30	
2.0 PPB STD	2.0 PPB STD	I:\ACQUDATA\MSVOA10\DATA\120823\D4037.D	12/8/23 11:53	
5.0 PPB STD	5.0 PPB STD	I:\ACQUDATA\msvoa10\data\120823\D4038.D	12/8/23 12:16	
20 PPB STD	20 PPB STD	I:\ACQUDATA\msvoa10\data\120823\D4039.D	12/8/23 12:38	
50 PPB STD	50 PPB STD	I:\ACQUDATA\msvoa10\data\120823\D4040.D	12/8/23 13:01	
100 PPB STD	100 PPB STD	I:\ACQUDATA\msvoa10\data\120823\D4041.D	12/8/23 13:24	
150 PPB STD	150 PPB STD	I:\ACQUDATA\msvoa10\data\120823\D4042.D	12/8/23 13:46	
200 PPB STD	200 PPB STD	I:\ACQUDATA\msvoa10\data\120823\D4043.D	12/8/23 14:09	
50 PPB ICV	50 PPB ICV	I:\ACQUDATA\msvoa10\data\120823\D4047.D	12/8/23 15:40	

Analysis: 8260D/624 | Analyst: F.Nagle | pH strips: — | Tune Method: W120823.M

Date: 12/8/23 | Balance ID: — | ResCl strips: — | Run Method: ↓

Instr. MS10 | 50 mL Class A used for dilution FV | Syringes: 177417 / 218709 | LIMS Run#: —

Data Path: j:\acqudata\msvoa(InstID)\(Date)

Pos.	Sample	Diln.	Diln. Prep./	RL	Vial	HS	Cl	pH	File#	OK?	Comments
1	TUNE								D1033	Y	
2	ICAL BLK								34	Y	
3	0.5 ppb std								35	Y	
4	1.0								36	Y	
5	2.0								37	Y	
6	5.0								38	Y	
7	20								39	Y	
8	50								40	Y	
9	100								41	Y	
10	150								42	Y	
11	200 ↓								43	Y	
12	BLK								44	Y	
13	↓								45	Y	
14	↓								46	Y	
15	50 ppb ICV								47	Y	
16	BLK								48	Y	
17	↓								↓49	Y	

WATER ICAL TABLE

CONC (PPB)	0.5	1.0	2.0	5.0	20	50	100	150	200
1° T|G = 232663	10mL/1mL → 5mL/50mL DI	MeOH → 10mL/50mL DI	20mL/50mL DI	50mL/50mL DI	2mL/50mL DI	5mL/50mL DI	10mL/50mL DI	15mL/50mL DI	20mL/50mL DI
1° HSL = 232664	↓	↓	↓	↓	↓	↓	↓	↓	↓
1° Fr = 232486	↓	↓	↓	↓	↓	↓	↓	↓	↓
1° OCC = 232624	↓	↓	↓	↓	↓	↓	↓	↓	↓
1° 236-TCT = 231923	↓	↓	↓	↓	↓	↓	↓	↓	↓

All samples = 5 mL + 5 uL combined IS/ 5 mL purged

Primary See Table Above

Primary : ↓

Primary :

Primary :

Primary : ↓

Fr Secondary 200 : 232671 - 12.5uL

T/G Secondary 500 : 232511 - 5L

HSL Secondary : 232428 -

OCC Secondary : 232672 -

236-TCT Secondary ↓ : 231924 - ↓

50mL (ICV)

Combined IS/Surr : —

Surrogate 50 : 232659

Internal Std 50 : 232660

Reagents: MeOH. 229828

Client: Stantec Consulting Group, Inc. **Service Request:** R2400623
Project: Rochester Tech Park **Calibration Date:** 12/8/2023

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC2300179 **Signal ID:** 1
Instrument ID: R-MS-10

#	Lab Code	Sample Name	File Location	Acquisition Date
01	RC2300179-01	0.5 PPB STD	I:\ACQUDATA\msvoa10\data\120823\D4035.D	12/08/2023 11:07
02	RC2300179-02	1.0 PPB STD	I:\ACQUDATA\msvoa10\data\120823\D4036.D	12/08/2023 11:30
03	RC2300179-03	2.0 PPB STD	I:\ACQUDATA\msvoa10\data\120823\D4037.D	12/08/2023 11:53
04	RC2300179-04	5.0 PPB STD	I:\ACQUDATA\msvoa10\data\120823\D4038.D	12/08/2023 12:16
05	RC2300179-05	20 PPB STD	I:\ACQUDATA\msvoa10\data\120823\D4039.D	12/08/2023 12:38
06	RC2300179-06	50 PPB STD	I:\ACQUDATA\msvoa10\data\120823\D4040.D	12/08/2023 13:01
07	RC2300179-07	100 PPB STD	I:\ACQUDATA\msvoa10\data\120823\D4041.D	12/08/2023 13:24
08	RC2300179-08	150 PPB STD	I:\ACQUDATA\msvoa10\data\120823\D4042.D	12/08/2023 13:46
09	RC2300179-09	200 PPB STD	I:\ACQUDATA\msvoa10\data\120823\D4043.D	12/08/2023 14:09

Analyte

1,1,1-Trichloroethane (TCA)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.6151	02	1.000	0.6814	03	2.000	0.5749	04	5.000	0.6316
05	20.000	0.6246	06	50.000	0.6075	07	100.000	0.549	08	150.000	0.6883
09	200.000	0.6594									

1,1,2,2-Tetrachloroethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	1.07	02	1.000	0.8559	03	2.000	0.8638	04	5.000	0.9016
05	20.000	0.8864	06	50.000	0.8294	07	100.000	0.7903	08	150.000	0.8247
09	200.000	0.8063									

1,1,2-Trichloroethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.3059	02	1.000	0.323	03	2.000	0.3032	04	5.000	0.3276
05	20.000	0.302	06	50.000	0.3143	07	100.000	0.2852	08	150.000	0.3059
09	200.000	0.2992									

1,1-Dichloroethane (1,1-DCA)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.7471	02	1.000	0.7787	03	2.000	0.7379	04	5.000	0.8692
05	20.000	0.8122	06	50.000	0.7978	07	100.000	0.74	08	150.000	0.8487
09	200.000	0.8209									

1,1-Dichloroethene (1,1-DCE)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.3193	02	1.000	0.4259	03	2.000	0.3496	04	5.000	0.3528
05	20.000	0.3368	06	50.000	0.3264	07	100.000	0.2932	08	150.000	0.3594
09	200.000	0.3449									

1,2-Dichloroethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.6016	02	1.000	0.6053	03	2.000	0.5606	04	5.000	0.6129
05	20.000	0.5822	06	50.000	0.5859	07	100.000	0.5607	08	150.000	0.5951
09	200.000	0.5896									

Client: Stantec Consulting Group, Inc. **Service Request:** R2400623
Project: Rochester Tech Park **Calibration Date:** 12/8/2023

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC2300179 **Signal ID:** 1
Instrument ID: R-MS-10

Analyte

1,2-Dichloropropane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.3032	02	1.000	0.3423	03	2.000	0.3206	04	5.000	0.3743
05	20.000	0.3604	06	50.000	0.3705	07	100.000	0.3359	08	150.000	0.3636
09	200.000	0.3607									

2-Butanone (MEK)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	5.000	0.5006	05	20.000	0.5232	06	50.000	0.5157	07	100.000	0.4536
08	150.000	0.5313	09	200.000	0.4974						

2-Hexanone

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
03	2.000	0.5215	04	5.000	0.5745	05	20.000	0.6131	06	50.000	0.62
07	100.000	0.5636	08	150.000	0.6337	09	200.000	0.6195			

4-Bromofluorobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	10.000	0.5171	05	20.000	0.4445	06	50.000	0.4389	07	100.000	0.4409
08	200.000	0.4471									

4-Methyl-2-pentanone

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
03	2.000	0.5938	04	5.000	0.7273	05	20.000	0.7599	06	50.000	0.7704
07	100.000	0.7075	08	150.000	0.7861	09	200.000	0.7671			

Acetone

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	5.000	0.3906	05	20.000	0.3679	06	50.000	0.404	07	100.000	0.3542
08	150.000	0.4103	09	200.000	0.3848						

Benzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	1.206	02	1.000	1.191	03	2.000	1.122	04	5.000	1.233
05	20.000	1.177	06	50.000	1.127	07	100.000	1.035	08	150.000	1.201
09	200.000	1.165									

Bromodichloromethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.4004	02	1.000	0.4108	03	2.000	0.3818	04	5.000	0.4436
05	20.000	0.4188	06	50.000	0.4314	07	100.000	0.4039	08	150.000	0.4512
09	200.000	0.4437									

Bromoform

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
02	1.000	0.2824	03	2.000	0.2098	04	5.000	0.2868	05	20.000	0.281
06	50.000	0.2989	07	100.000	0.2941	08	150.000	0.3172	09	200.000	0.3241

Client: Stantec Consulting Group, Inc. **Service Request:** R2400623
Project: Rochester Tech Park **Calibration Date:** 12/8/2023

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC2300179 **Signal ID:** 1
Instrument ID: R-MS-10

Analyte

Bromomethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
02	1.000	0.3253	03	2.000	0.2668	04	5.000	0.246	05	20.000	0.2045
06	50.000	0.203	07	100.000	0.1877	08	150.000	0.2228	09	200.000	0.2263

Carbon Disulfide

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	1.054	02	1.000	1.127	03	2.000	0.999	04	5.000	1.093
05	20.000	1.057	06	50.000	0.9127	07	100.000	0.9897	08	150.000	1.103
09	200.000	1.061									

Carbon Tetrachloride

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.3654	02	1.000	0.4183	03	2.000	0.4174	04	5.000	0.4136
05	20.000	0.4145	06	50.000	0.4131	07	100.000	0.3688	08	150.000	0.4796
09	200.000	0.4762									

Chlorobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	1.062	02	1.000	0.9007	03	2.000	0.8644	04	5.000	1.004
05	20.000	0.9656	06	50.000	0.933	07	100.000	0.8601	08	150.000	0.9421
09	200.000	0.9336									

Chloroethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.505	02	1.000	0.3917	03	2.000	0.3614	04	5.000	0.3543
05	20.000	0.369	06	50.000	0.3351	07	100.000	0.3122	08	150.000	0.3632
09	200.000	0.3536									

Chloroform

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.7121	02	1.000	0.7103	03	2.000	0.6379	04	5.000	0.7215
05	20.000	0.7099	06	50.000	0.6945	07	100.000	0.6454	08	150.000	0.743
09	200.000	0.7									

Chloromethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.959	02	1.000	0.8019	03	2.000	0.6812	04	5.000	0.779
05	20.000	0.7425	06	50.000	0.7285	07	100.000	0.6469	08	150.000	0.8163
09	200.000	0.8048									

Dibromochloromethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.4634	02	1.000	0.3335	03	2.000	0.3636	04	5.000	0.3782
05	20.000	0.3816	06	50.000	0.413	07	100.000	0.3898	08	150.000	0.4191
09	200.000	0.4136									

Client: Stantec Consulting Group, Inc. **Service Request:** R2400623
Project: Rochester Tech Park **Calibration Date:** 12/8/2023

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC2300179 **Signal ID:** 1
Instrument ID: R-MS-10

Analyte

Dibromofluoromethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	10.000	0.3707	05	20.000	0.3028	06	50.000	0.3178	07	100.000	0.3158
08	200.000	0.3135									

Dichloromethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.4329	02	1.000	0.3628	03	2.000	0.3601	04	5.000	0.4223
05	20.000	0.4021	06	50.000	0.3804	07	100.000	0.3509	08	150.000	0.393
09	200.000	0.3728									

Ethylbenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.4941	02	1.000	0.4713	03	2.000	0.4248	04	5.000	0.5342
05	20.000	0.497	06	50.000	0.4711	07	100.000	0.4393	08	150.000	0.5047
09	200.000	0.4929									

Styrene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	1.077	02	1.000	0.946	03	2.000	0.8811	04	5.000	1.049
05	20.000	1.065	06	50.000	1.043	07	100.000	1.021	08	150.000	1.1
09	200.000	1.076									

Tetrachloroethene (PCE)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.2672	02	1.000	0.3223	03	2.000	0.2753	04	5.000	0.3198
05	20.000	0.2981	06	50.000	0.289	07	100.000	0.2607	08	150.000	0.3196
09	200.000	0.3041									

Toluene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	1.404	02	1.000	1.346	03	2.000	1.29	04	5.000	1.369
05	20.000	1.264	06	50.000	1.254	07	100.000	1.138	08	150.000	1.311
09	200.000	1.282									

Toluene-d8

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	10.000	1.307	05	20.000	1.132	06	50.000	1.151	07	100.000	1.134
08	200.000	1.126									

Trichloroethene (TCE)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.3235	02	1.000	0.3827	03	2.000	0.3478	04	5.000	0.3576
05	20.000	0.3299	06	50.000	0.313	07	100.000	0.2879	08	150.000	0.345
09	200.000	0.3399									

Vinyl Chloride

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.5349	02	1.000	0.5428	03	2.000	0.511	04	5.000	0.5254

Client: Stantec Consulting Group, Inc. **Service Request:** R2400623
Project: Rochester Tech Park **Calibration Date:** 12/8/2023

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC2300179 **Signal ID:** 1
Instrument ID: R-MS-10

Analyte

Vinyl Chloride

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
05	20.000	0.514	06	50.000	0.5126	07	100.000	0.4627	08	150.000	0.5908
09	200.000	0.5698									

cis-1,2-Dichloroethene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.532	02	1.000	0.4713	03	2.000	0.3936	04	5.000	0.4554
05	20.000	0.4365	06	50.000	0.4204	07	100.000	0.3877	08	150.000	0.4426
09	200.000	0.4209									

cis-1,3-Dichloropropene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.4231	02	1.000	0.4119	03	2.000	0.4951	04	5.000	0.501
05	20.000	0.506	06	50.000	0.5276	07	100.000	0.4916	08	150.000	0.5419
09	200.000	0.5336									

m,p-Xylenes

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.6173	02	2.000	0.5973	03	4.000	0.6055	04	10.000	0.6437
05	40.000	0.6111	06	100.000	0.6009	07	200.000	0.5449	08	300.000	0.6231
09	400.000	0.6138									

o-Xylene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.7317	02	1.000	0.6192	03	2.000	0.5757	04	5.000	0.605
05	20.000	0.6083	06	50.000	0.6009	07	100.000	0.5499	08	150.000	0.6153
09	200.000	0.6102									

trans-1,2-Dichloroethene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.3586	02	1.000	0.4262	03	2.000	0.3637	04	5.000	0.4043
05	20.000	0.378	06	50.000	0.3569	07	100.000	0.3217	08	150.000	0.3867
09	200.000	0.3706									

trans-1,3-Dichloropropene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.4225	02	1.000	0.4495	03	2.000	0.3971	04	5.000	0.4636
05	20.000	0.4749	06	50.000	0.5	07	100.000	0.4912	08	150.000	0.5329
09	200.000	0.5254									

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Stantec Consulting Group, Inc. **Service Request:** R2400623
Project: Rochester Tech Park **Calibration Date:** 12/8/2023

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC2300179 **Signal ID:** 1
Instrument ID: R-MS-10

		Calibration Evaluation				Calibration Evaluation	
Analyte Name	Compound Type	Fit Type	Eval	Eval Result	Control Criteria	Average RRF	Minimum RRF
1,1,1-Trichloroethane (TCA)	TRG	Average RF	% RSD	7.4	≤20	0.6258	0.100
1,1,2,2-Tetrachloroethane	TRG	Average RF	% RSD	9.6	≤20	0.8698	0.300
1,1,2-Trichloroethane	TRG	Average RF	% RSD	4.2	≤20	0.3074	0.100
1,1-Dichloroethane (1,1-DCA)	TRG	Average RF	% RSD	6.0	≤20	0.7947	0.200
1,1-Dichloroethene (1,1-DCE)	TRG	Average RF	% RSD	10.5	≤20	0.3454	0.100
1,2-Dichloroethane	TRG	Average RF	% RSD	3.1	≤20	0.5882	0.100
1,2-Dichloropropane	TRG	Average RF	% RSD	7.0	≤20	0.3479	0.100
2-Butanone (MEK)	TRG	Average RF	% RSD	5.5	≤20	0.5036	0.05
2-Hexanone	TRG	Average RF	% RSD	6.8	≤20	0.5923	0.05
4-Bromofluorobenzene	SURR	Average RF	% RSD	7.3	≤20	0.4577	
4-Methyl-2-pentanone	TRG	Average RF	% RSD	9.0	≤20	0.7303	0.05
Acetone	TRG	Average RF	% RSD	5.5	≤20	0.3853	0.05
Benzene	TRG	Average RF	% RSD	5.1	≤20	1.162	0.500
Bromodichloromethane	TRG	Average RF	% RSD	5.6	≤20	0.4206	0.200
Bromoform	TRG	Average RF	% RSD	12.1	≤20	0.2868	0.100
Bromomethane	TRG	Quadratic	COD	0.9950	≥0.99	0.2353	0.100
Carbon Disulfide	TRG	Average RF	% RSD	6.4	≤20	1.044	0.100
Carbon Tetrachloride	TRG	Average RF	% RSD	9.4	≤20	0.4186	0.05
Chlorobenzene	TRG	Average RF	% RSD	6.9	≤20	0.9406	0.500
Chloroethane	TRG	Average RF	% RSD	14.7	≤20	0.3717	0.100
Chloroform	TRG	Average RF	% RSD	4.9	≤20	0.6972	0.200
Chloromethane	TRG	Average RF	% RSD	11.7	≤20	0.7733	0.100
Dibromochloromethane	TRG	Average RF	% RSD	9.5	≤20	0.3951	0.100
Dibromofluoromethane	SURR	Average RF	% RSD	8.2	≤20	0.3241	
Dichloromethane	TRG	Average RF	% RSD	7.4	≤20	0.3864	0.100
Ethylbenzene	TRG	Average RF	% RSD	7.0	≤20	0.4811	0.100
Styrene	TRG	Average RF	% RSD	6.9	≤20	1.029	0.300
Tetrachloroethene (PCE)	TRG	Average RF	% RSD	8.0	≤20	0.2951	0.200
Toluene	TRG	Average RF	% RSD	6.0	≤20	1.295	0.400
Toluene-d8	SURR	Average RF	% RSD	6.6	≤20	1.17	
Trichloroethene (TCE)	TRG	Average RF	% RSD	8.1	≤20	0.3364	0.200
Vinyl Chloride	TRG	Average RF	% RSD	7.0	≤20	0.5293	0.100
cis-1,2-Dichloroethene	TRG	Average RF	% RSD	10.0	≤20	0.44	0.100
cis-1,3-Dichloropropene	TRG	Average RF	% RSD	9.3	≤20	0.4924	0.200

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Stantec Consulting Group, Inc. **Service Request:** R2400623
Project: Rochester Tech Park **Calibration Date:** 12/8/2023

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC2300179 **Signal ID:** 1
Instrument ID: R-MS-10

Analyte Name	Compound Type	Calibration Evaluation				Calibration Evaluation	
		Fit Type	Eval	Eval Result	Control Criteria	Average RRF	Minimum RRF
m,p-Xylenes	TRG	Average RF	% RSD	4.4	≤20	0.6064	0.100
o-Xylene	TRG	Average RF	% RSD	8.1	≤20	0.6129	0.300
trans-1,2-Dichloroethene	TRG	Average RF	% RSD	8.0	≤20	0.3741	0.100
trans-1,3-Dichloropropene	TRG	Average RF	% RSD	9.6	≤20	0.473	0.100

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Stantec Consulting Group, Inc. **Service Request:** R2400623
Project: Rochester Tech Park **Calibration Date:** 12/8/2023

Initial Calibration Verification Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC2300179 **Signal ID:** 1
Instrument ID: R-MS-10

#	Lab Code	Sample Name	File Location	Acquisition Date
10	RC2300179-10	50 PPB ICV	I:\ACQUDATA\msvoa10\data\120823\D4047.D	12/08/2023 15:40

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
1,1,1-Trichloroethane (TCA)	50.0	47.2	6.258E-1	5.901E-1	-5.697	±30	Average RF
1,1,2,2-Tetrachloroethane	50.0	45.6	8.698E-1	7.937E-1	-8.750	±30	Average RF
1,1,2-Trichloroethane	50.0	45.4	3.074E-1	2.793E-1	-9.133	±30	Average RF
1,1-Dichloroethane (1,1-DCA)	50.0	48.4	7.947E-1	7.693E-1	-3.203	±30	Average RF
1,1-Dichloroethene (1,1-DCE)	50.0	42.7	3.454E-1	2.951E-1	-14.565	±30	Average RF
1,2-Dichloroethane	50.0	45.5	5.882E-1	5.356E-1	-8.942	±30	Average RF
1,2-Dichloropropane	50.0	48.0	3.479E-1	3.342E-1	-3.955	±30	Average RF
2-Butanone (MEK)	50.0	40.4	5.036E-1	4.069E-1	-19.212	±30	Average RF
2-Hexanone	50.0	46.1	5.923E-1	5.464E-1	-7.735	±30	Average RF
4-Methyl-2-pentanone	50.0	47.4	7.303E-1	6.916E-1	-5.297	±30	Average RF
Acetone	50.0	40.8	3.853E-1	3.143E-1	-18.426	±30	Average RF
Benzene	50.0	47.4	1.162E0	1.102E0	-5.118	±30	Average RF
Bromodichloromethane	50.0	46.9	4.206E-1	3.943E-1	-6.265	±30	Average RF
Bromoform	50.0	52.4	2.868E-1	3.007E-1	4.83	±30	Average RF
Bromomethane	50.0	45.3	2.353E-1	1.879E-1	-9.343	±30	Quadratic
Carbon Disulfide	50.0	41.3	1.044E0	8.626E-1	-17.388	±30	Average RF
Carbon Tetrachloride	50.0	48.7	4.186E-1	4.079E-1	-2.552	±30	Average RF
Chlorobenzene	50.0	46.6	9.406E-1	8.766E-1	-6.797	±30	Average RF
Chloroethane	50.0	34.7	3.717E-1	2.58E-1	-30.601*	±30	Average RF
Chloroform	50.0	48.0	6.972E-1	6.691E-1	-4.028	±30	Average RF
Chloromethane	50.0	43.3	7.733E-1	6.7E-1	-13.360	±30	Average RF
Dibromochloromethane	50.0	47.4	3.951E-1	3.746E-1	-5.192	±30	Average RF
Dichloromethane	50.0	48.3	3.864E-1	3.731E-1	-3.443	±30	Average RF
Ethylbenzene	50.0	48.7	4.811E-1	4.686E-1	-2.587	±30	Average RF
Styrene	50.0	48.8	1.029E0	1.004E0	-2.393	±30	Average RF
Tetrachloroethene (PCE)	50.0	49.0	2.951E-1	2.894E-1	-1.945	±30	Average RF
Toluene	50.0	46.4	1.295E0	1.201E0	-7.289	±30	Average RF
Trichloroethene (TCE)	50.0	45.6	3.364E-1	3.067E-1	-8.833	±30	Average RF
Vinyl Chloride	50.0	40.7	5.293E-1	4.311E-1	-18.552	±30	Average RF
cis-1,2-Dichloroethene	50.0	45.6	4.4E-1	4.014E-1	-8.772	±30	Average RF
cis-1,3-Dichloropropene	50.0	49.9	4.924E-1	4.911E-1	-0.263	±30	Average RF
m,p-Xylenes	100	96.4	6.064E-1	5.844E-1	-3.631	±30	Average RF
o-Xylene	50.0	46.3	6.129E-1	5.674E-1	-7.424	±30	Average RF

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Stantec Consulting Group, Inc. **Service Request:** R2400623
Project: Rochester Tech Park **Calibration Date:** 12/8/2023

Initial Calibration Verification Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC2300179 **Signal ID:** 1
Instrument ID: R-MS-10

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
trans-1,2-Dichloroethene	50.0	45.6	3.741E-1	3.41E-1	-8.842	±30	Average RF
trans-1,3-Dichloropropene	50.0	50.7	4.73E-1	4.8E-1	1.48	±30	Average RF

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
4-Bromofluorobenzene	50.0	47.9	4.577E-1	4.381E-1	-4.274	±30	Average RF
Dibromofluoromethane	50.0	47.7	3.241E-1	3.092E-1	-4.604	±30	Average RF
Toluene-d8	50.0	48.0	1.17E0	1.123E0	-4.005	±30	Average RF

Client: Stantec Consulting Group, Inc. **Service Request:** R2400623
Project: Rochester Tech Park/190500390.470 **Date Analyzed:** 01/26/24 11:14

Continuing Calibration Verification (CCV) Summary
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C **Calibration Date:** 12/8/2023
File ID: I:\ACQUDATA\msvoa10\data\012624\D4951.D\ **Calibration ID:** RC2300179
Signal ID: 1 **Analysis Lot:** 830688
Units: ug/L

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
1,1,1-Trichloroethane (TCA)	50.0	50.8	0.6258	0.6352	1.5	NA	±20	Average RF
1,1,2,2-Tetrachloroethane	50.0	40.5	0.8698	0.7053	-18.9	NA	±20	Average RF
1,1,2-Trichloroethane	50.0	46.5	0.3074	0.286	-6.9	NA	±20	Average RF
1,1-Dichloroethane (1,1-DCA)	50.0	50.9	0.7947	0.8095	1.9	NA	±20	Average RF
1,1-Dichloroethene (1,1-DCE)	50.0	50.9	0.3454	0.3513	1.7	NA	±20	Average RF
1,2-Dichloroethane	50.0	51.1	0.5882	0.6013	2.2	NA	±20	Average RF
1,2-Dichloropropane	50.0	49.2	0.3479	0.3421	-1.7	NA	±20	Average RF
2-Butanone (MEK)	50.0	40.3	0.5036	0.4058	-19.4	NA	±20	Average RF
2-Hexanone	50.0	42.8	0.5923	0.5074	-14.3	NA	±20	Average RF
4-Methyl-2-pentanone	50.0	44.0	0.7303	0.6426	-12.0	NA	±20	Average RF
Acetone	50.0	36.7	0.3853	0.2829	-26.6*	NA	±20	Average RF
Benzene	50.0	49.3	1.1619	1.1456	-1.4	NA	±20	Average RF
Bromodichloromethane	50.0	53.4	0.4206	0.4495	6.9	NA	±20	Average RF
Bromoform	50.0	45.6	0.2868	0.2614	-8.9	NA	±20	Average RF
Bromomethane	50.0	70.3	0.2353	0.2931	NA	40.5*	±20	Quadratic
Carbon Disulfide	50.0	52.1	1.0441	1.0884	4.2	NA	±20	Average RF
Carbon Tetrachloride	50.0	50.2	0.4186	0.42	0.3	NA	±20	Average RF
Chlorobenzene	50.0	51.7	0.9406	0.9734	3.5	NA	±20	Average RF
Chloroethane	50.0	52.0	0.3717	0.3865	4.0	NA	±20	Average RF
Chloroform	50.0	52.4	0.6972	0.7303	4.8	NA	±20	Average RF
Chloromethane	50.0	49.5	0.7733	0.765	-1.1	NA	±20	Average RF
Dibromochloromethane	50.0	46.6	0.3951	0.3685	-6.7	NA	±20	Average RF
Dichloromethane	50.0	50.5	0.3864	0.3901	1.0	NA	±20	Average RF
Ethylbenzene	50.0	53.0	0.4811	0.5095	5.9	NA	±20	Average RF
Styrene	50.0	53.4	1.0286	1.0982	6.8	NA	±20	Average RF
Tetrachloroethene (PCE)	50.0	51.3	0.2951	0.3026	2.5	NA	±20	Average RF
Toluene	50.0	50.7	1.2953	1.3142	1.5	NA	±20	Average RF
Trichloroethene (TCE)	50.0	49.6	0.3364	0.3338	-0.8	NA	±20	Average RF
Vinyl Chloride	50.0	56.4	0.5293	0.5975	12.9	NA	±20	Average RF
cis-1,2-Dichloroethene	50.0	47.2	0.44	0.4156	-5.5	NA	±20	Average RF
cis-1,3-Dichloropropene	50.0	50.6	0.4924	0.4978	1.1	NA	±20	Average RF
m,p-Xylenes	100	104	0.6064	0.6302	3.9	NA	±20	Average RF
o-Xylene	50.0	50.4	0.6129	0.6178	0.8	NA	±20	Average RF
trans-1,2-Dichloroethene	50.0	50.2	0.3741	0.3755	0.4	NA	±20	Average RF
trans-1,3-Dichloropropene	50.0	48.0	0.473	0.454	-4.0	NA	±20	Average RF

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2400623
Project:	Rochester Tech Park/190500390.470	**Date Analyzed:**	01/26/24 11:14

Continuing Calibration Verification (CCV) Summary
Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	**Calibration Date:**	12/8/2023
File ID:	I:\ACQUDATA\msvoa10\data\012624\D4951.D\	**Calibration ID:**	RC2300179
Signal ID:	1	**Analysis Lot:**	830688
		Units:	ug/L

4-Bromofluorobenzene	50.0	49.4	0.4577	0.4526	-1.1	NA	±20	Average RF
Dibromofluoromethane	50.0	48.3	0.3241	0.3129	-3.4	NA	±20	Average RF
Toluene-d8	50.0	50.9	1.1702	1.1921	1.9	NA	±20	Average RF

Client: Stantec Consulting Group, Inc.
Project: Rochester Tech Park/190500390.470

Service Request: R2400623
Date Analyzed: 01/29/24 10:51

Continuing Calibration Verification (CCV) Summary
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
File ID: I:\ACQUDATA\msvoa10\data\012924\D4985.D\
Signal ID: 1

Calibration Date: 12/8/2023
Calibration ID: RC2300179
Analysis Lot: 830799
Units: ug/L

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
1,1,1-Trichloroethane (TCA)	50.0	52.1	0.6258	0.6515	4.1	NA	±20	Average RF
1,1,2,2-Tetrachloroethane	50.0	39.9	0.8698	0.6939	-20.2	NA	±20	Average RF
1,1,2-Trichloroethane	50.0	44.6	0.3074	0.2742	-10.8	NA	±20	Average RF
1,1-Dichloroethane (1,1-DCA)	50.0	50.2	0.7947	0.7978	0.4	NA	±20	Average RF
1,1-Dichloroethene (1,1-DCE)	50.0	51.3	0.3454	0.3541	2.5	NA	±20	Average RF
1,2-Dichloroethane	50.0	48.9	0.5882	0.5757	-2.1	NA	±20	Average RF
1,2-Dichloropropane	50.0	49.2	0.3479	0.3421	-1.7	NA	±20	Average RF
2-Butanone (MEK)	50.0	42.6	0.5036	0.4295	-14.7	NA	±20	Average RF
2-Hexanone	50.0	43.0	0.5923	0.5094	-14.0	NA	±20	Average RF
4-Methyl-2-pentanone	50.0	44.2	0.7303	0.646	-11.5	NA	±20	Average RF
Acetone	50.0	40.7	0.3853	0.3133	-18.7	NA	±20	Average RF
Benzene	50.0	48.9	1.1619	1.1358	-2.2	NA	±20	Average RF
Bromodichloromethane	50.0	52.8	0.4206	0.4445	5.7	NA	±20	Average RF
Bromoform	50.0	49.0	0.2868	0.2812	-1.9	NA	±20	Average RF
Bromomethane	50.0	72.9	0.2353	0.3043	NA	45.8*	±20	Quadratic
Carbon Disulfide	50.0	56.1	1.0441	1.1705	12.1	NA	±20	Average RF
Carbon Tetrachloride	50.0	54.3	0.4186	0.4544	8.6	NA	±20	Average RF
Chlorobenzene	50.0	51.4	0.9406	0.9671	2.8	NA	±20	Average RF
Chloroethane	50.0	54.1	0.3717	0.4022	8.2	NA	±20	Average RF
Chloroform	50.0	51.3	0.6972	0.7157	2.6	NA	±20	Average RF
Chloromethane	50.0	49.7	0.7733	0.7691	-0.5	NA	±20	Average RF
Dibromochloromethane	50.0	48.1	0.3951	0.3799	-3.8	NA	±20	Average RF
Dichloromethane	50.0	50.2	0.3864	0.3883	0.5	NA	±20	Average RF
Ethylbenzene	50.0	52.1	0.4811	0.5009	4.1	NA	±20	Average RF
Styrene	50.0	53.0	1.0286	1.0911	6.1	NA	±20	Average RF
Tetrachloroethene (PCE)	50.0	53.1	0.2951	0.3135	6.2	NA	±20	Average RF
Toluene	50.0	49.9	1.2953	1.293	-0.2	NA	±20	Average RF
Trichloroethene (TCE)	50.0	48.5	0.3364	0.3262	-3.0	NA	±20	Average RF
Vinyl Chloride	50.0	56.3	0.5293	0.5957	12.5	NA	±20	Average RF
cis-1,2-Dichloroethene	50.0	47.8	0.44	0.4207	-4.4	NA	±20	Average RF
cis-1,3-Dichloropropene	50.0	49.4	0.4924	0.4861	-1.3	NA	±20	Average RF
m,p-Xylenes	100	103	0.6064	0.624	2.9	NA	±20	Average RF
o-Xylene	50.0	49.6	0.6129	0.6077	-0.9	NA	±20	Average RF
trans-1,2-Dichloroethene	50.0	49.8	0.3741	0.3728	-0.3	NA	±20	Average RF
trans-1,3-Dichloropropene	50.0	49.5	0.473	0.4685	-1.0	NA	±20	Average RF

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2400623
Project:	Rochester Tech Park/190500390.470	**Date Analyzed:**	01/29/24 10:51

Continuing Calibration Verification (CCV) Summary
Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	**Calibration Date:**	12/8/2023
File ID:	I:\ACQUDATA\msvoa10\data\012924\D4985.D\	**Calibration ID:**	RC2300179
Signal ID:	1	**Analysis Lot:**	830799
		Units:	ug/L

4-Bromofluorobenzene	50.0	46.8	0.4577	0.4282	-6.4	NA	±20	Average RF
Dibromofluoromethane	50.0	46.5	0.3241	0.3012	-7.1	NA	±20	Average RF
Toluene-d8	50.0	47.9	1.1702	1.1207	-4.2	NA	±20	Average RF

Client: Stantec Consulting Group, Inc. **Service Request:**R2400623
Project: Rochester Tech Park/190500390.470

Analysis Run Log
Volatile Organic Compounds by GC/MS

Analysis Method: **Analysis Lot:**830688
Instrument ID:R-MS-10

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
I:\ACQUDATA\msvoa10\data\012624\D4950.D\	ZZZZZZZ	ZZZZZZZ	1/26/2024	10:42:00	
I:\ACQUDATA\msvoa10\data\012624\D4951.D\	Continuing Calibration Verification	RQ2400943-02	1/26/2024	11:14:00	
I:\ACQUDATA\msvoa10\data\012624\D4952.D\	ZZZZZZZ	ZZZZZZZ	1/26/2024	11:47:00	
I:\ACQUDATA\msvoa10\data\012624\D4953.D\	Lab Control Sample	RQ2400943-04	1/26/2024	12:10:00	
I:\ACQUDATA\msvoa10\data\012624\D4955.D\	ZZZZZZZ	ZZZZZZZ	1/26/2024	13:06:00	
I:\ACQUDATA\msvoa10\data\012624\D4956.D\	Method Blank	RQ2400943-06	1/26/2024	13:29:00	
I:\ACQUDATA\msvoa10\data\012624\D4957.D\	ZZZZZZZ	ZZZZZZZ	1/26/2024	13:52:00	
I:\ACQUDATA\msvoa10\data\012624\D4958.D\	ZZZZZZZ	ZZZZZZZ	1/26/2024	14:15:00	
I:\ACQUDATA\msvoa10\data\012624\D4959.D\	ZZZZZZZ	ZZZZZZZ	1/26/2024	14:37:00	
I:\ACQUDATA\msvoa10\data\012624\D4960.D\	ZZZZZZZ	ZZZZZZZ	1/26/2024	15:00:00	
I:\ACQUDATA\msvoa10\data\012624\D4962.D\	ZZZZZZZ	ZZZZZZZ	1/26/2024	15:46:00	
I:\ACQUDATA\msvoa10\data\012624\D4963.D\	ZZZZZZZ	ZZZZZZZ	1/26/2024	16:08:00	
I:\ACQUDATA\msvoa10\data\012624\D4964.D\	ZZZZZZZ	ZZZZZZZ	1/26/2024	16:31:00	
I:\ACQUDATA\msvoa10\data\012624\D4965.D\	ZZZZZZZ	ZZZZZZZ	1/26/2024	16:54:00	
I:\ACQUDATA\msvoa10\data\012624\D4966.D\	ZZZZZZZ	ZZZZZZZ	1/26/2024	17:16:00	
I:\ACQUDATA\msvoa10\data\012624\D4967.D\	ZZZZZZZ	ZZZZZZZ	1/26/2024	17:39:00	
I:\ACQUDATA\msvoa10\data\012624\D4968.D\	ZZZZZZZ	ZZZZZZZ	1/26/2024	18:02:00	
I:\ACQUDATA\msvoa10\data\012624\D4969.D\	ZZZZZZZ	ZZZZZZZ	1/26/2024	18:24:00	
I:\ACQUDATA\msvoa10\data\012624\D4970.D\	ZZZZZZZ	ZZZZZZZ	1/26/2024	18:47:00	
I:\ACQUDATA\msvoa10\data\012624\D4971.D\	ZZZZZZZ	ZZZZZZZ	1/26/2024	19:10:00	
I:\ACQUDATA\msvoa10\data\012624\D4972.D\	ZZZZZZZ	ZZZZZZZ	1/26/2024	19:33:00	
I:\ACQUDATA\msvoa10\data\012624\D4973.D\	RTP-Trip Blank-W	R2400623-004	1/26/2024	19:55:00	
I:\ACQUDATA\msvoa10\data\012624\D4977.D\	ZZZZZZZ	ZZZZZZZ	1/26/2024	21:26:00	

Client: Stantec Consulting Group, Inc. **Service Request:**R2400623
Project: Rochester Tech Park/190500390.470

Analysis Run Log
Volatile Organic Compounds by GC/MS

Analysis Method: **Analysis Lot:**830688
Instrument ID:R-MS-10

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
I:\ACQUDATA\msvoa10\data\012624 \D4978.D\	ZZZZZZZ	ZZZZZZZ	1/26/2024	21:49:00	

Client: Stantec Consulting Group, Inc. **Service Request:**R2400623
Project: Rochester Tech Park/190500390.470

Analysis Run Log
Volatile Organic Compounds by GC/MS

Analysis Method: **Analysis Lot:**830799
Instrument ID:R-MS-10

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
I:\ACQUDATA\msvoa10\data\012924\D4983.D\	ZZZZZZZ	ZZZZZZZ	1/29/2024	09:39:00	
I:\ACQUDATA\msvoa10\data\012924\D4985.D\	Continuing Calibration Verification	RQ2400994-02	1/29/2024	10:51:00	
I:\ACQUDATA\msvoa10\data\012924\D4986.D\	Lab Control Sample	RQ2400994-03	1/29/2024	11:23:00	
I:\ACQUDATA\msvoa10\data\012924\D4989.D\	Method Blank	RQ2400994-04	1/29/2024	12:42:00	
I:\ACQUDATA\msvoa10\data\012924\D4990.D\	RTP-PDW110-GW	R2400623-001	1/29/2024	13:05:00	
I:\ACQUDATA\msvoa10\data\012924\D4991.D\	RTP-MW205-GW	R2400623-002	1/29/2024	13:28:00	
I:\ACQUDATA\msvoa10\data\012924\D4992.D\	RTP-MW203-GW	R2400623-003	1/29/2024	13:51:00	
I:\ACQUDATA\msvoa10\data\012924\D4993.D\	ZZZZZZZ	ZZZZZZZ	1/29/2024	14:13:00	
I:\ACQUDATA\msvoa10\data\012924\D4994.D\	ZZZZZZZ	ZZZZZZZ	1/29/2024	14:36:00	
I:\ACQUDATA\msvoa10\data\012924\D4995.D\	ZZZZZZZ	ZZZZZZZ	1/29/2024	14:59:00	
I:\ACQUDATA\msvoa10\data\012924\D4996.D\	ZZZZZZZ	ZZZZZZZ	1/29/2024	15:22:00	
I:\ACQUDATA\msvoa10\data\012924\D4997.D\	ZZZZZZZ	ZZZZZZZ	1/29/2024	15:44:00	
I:\ACQUDATA\msvoa10\data\012924\D4998.D\	ZZZZZZZ	ZZZZZZZ	1/29/2024	16:07:00	
I:\ACQUDATA\msvoa10\data\012924\D4999.D\	ZZZZZZZ	ZZZZZZZ	1/29/2024	16:30:00	
I:\ACQUDATA\msvoa10\data\012924\D5000.D\	ZZZZZZZ	ZZZZZZZ	1/29/2024	16:53:00	
I:\ACQUDATA\msvoa10\data\012924\D5001.D\	ZZZZZZZ	ZZZZZZZ	1/29/2024	17:15:00	
I:\ACQUDATA\msvoa10\data\012924\D5002.D\	ZZZZZZZ	ZZZZZZZ	1/29/2024	17:38:00	
I:\ACQUDATA\msvoa10\data\012924\D5003.D\	ZZZZZZZ	ZZZZZZZ	1/29/2024	18:01:00	
I:\ACQUDATA\msvoa10\data\012924\D5004.D\	ZZZZZZZ	ZZZZZZZ	1/29/2024	18:24:00	
I:\ACQUDATA\msvoa10\data\012924\D5005.D\	ZZZZZZZ	ZZZZZZZ	1/29/2024	18:46:00	
I:\ACQUDATA\msvoa10\data\012924\D5006.D\	ZZZZZZZ	ZZZZZZZ	1/29/2024	19:09:00	
I:\ACQUDATA\msvoa10\data\012924\D5007.D\	ZZZZZZZ	ZZZZZZZ	1/29/2024	19:32:00	
I:\ACQUDATA\msvoa10\data\012924\D5008.D\	ZZZZZZZ	ZZZZZZZ	1/29/2024	19:55:00	

Client: Stantec Consulting Group, Inc. **Service Request:**R2400623
Project: Rochester Tech Park/190500390.470

Analysis Run Log
Volatile Organic Compounds by GC/MS

Analysis Method: **Analysis Lot:**830799
Instrument ID:R-MS-10

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
I:\ACQUDATA\msvoa10\data\012924 \D5009.D\	ZZZZZZZ	ZZZZZZZ	1/29/2024	20:17:00	
I:\ACQUDATA\msvoa10\data\012924 \D5010.D\	ZZZZZZZ	ZZZZZZZ	1/29/2024	20:40:00	
I:\ACQUDATA\msvoa10\data\012924 \D5011.D\	ZZZZZZZ	ZZZZZZZ	1/29/2024	21:03:00	

Analysis: 8260 | Analyst: F. Nagle | pH strips: 228022 | Tune Method: W120823.M

Date: 1/29/24 | Balance ID: – | ResCl strips: – | Run Method: ↓

Instr. MS10 | 50 mL Class A used for dilution FV | Syringes: 177417 / 218709 | LIMS Run#: 830799

Data Path: j:\acqudata\msvoa(InstID)\(Date)

Pos.	Sample	Diln.	Diln. Prep./	RL	Vial	HS	Cl	pH	File#	OK?	Comments
1	BLK								D4981	Y	
2	L								82	Y	
3	TUNE								83	Y	
4	CCV								84	(N)	
5	CCV								85	Y	
6	LCS-FP								86	Y	
7	BLK								87	(2)	
8	MBLK-WP								88	Y	
9	MBLK-FP								89	Y	
10	R2400623-001	10.0	5/5mL	6368	2	N	–	<2	90	Y	
11	-002	5.0	10/5mL	↓	2	N	–	<2	91	Y	
12	↓ -003	10.0	5/5mL		2	N	–	<2	92	Y	
13	R2400664-001	1.0		18619	1	N	–	<2	93	Y	
14	-002	1.0			1	N	–	<2	94	(Y)	Rpt 1/2.5
15	-003	1.0			1	N	–	<2	95	Y	
16	-004	1.0			1	N	–	<2	96	Y	
17	-005	1.0			1	N	–	<2	97	Y	
18	-006	1.0			1	N	–	<2	98	Y	
19	-007	1.0			1	N	–	<2	↓ 99	Y	
20	-008	1.0			1	N	–	<2	D5000	Y	
21	-009	1.0			1	N	–	<2	01	Y	
22	-010	1.0			1	N	–	<2	02	Y	
23	-011	1.0			1	N	–	<2	03	Y	
24	-012	1.0			1	N	–	<2	04	Y	
25	-013	1.0			1	N	–	<2	05	Y	
26	-014	1.0			1	N	–	<2	06	Y	
27	-015	1.0			1	N	–	<2	07	Y	
28	-016	1.0			1	N	–	<2	08	Y	
29	-017	1.0			1	N	–	<2	09	Y	
30	-012MS	1.0			2	N	–	<2	10	Y	
31	↓ -012MSD	1.0		↓	3	N	–	<2	↓ 11	Y	
32	BLK								↓ 12	Y	

All samples = 5 mL + 5 uL combined IS/ 5 mL purged

Combined IS/Surr: –

T/G Primary 500 : 233409 – 5mL/5mL

1,1,1 Primary : 233410 –

Fr Primary : 233248 –

OCC Primary : 232984 – (Fr 1,1,2,2)

Primary :

Fr Secondary 200 : 233072 – 5mL

T/G Secondary 500 : 233073 – 2L

HS Secondary : 233318 –

OCC Secondary : 232672 –

Secondary :

5mL (LCS) –12.5L –5L 5mL (SPK)

Surrogate 50 : 233407

Internal Std 50 : 233408

Reagents: –

Analysis: 8260/624 | Analyst: F. Nagler | pH strips: 228022 | Tune Method: W120823.M

Date: 1/26/24 | Balance ID: — | ResCl strips: 032432-KL | Run Method: ↓

Instr. MS10 | 50 mL Class A used for dilution FV | Syringes: 177417 / 218709 | LIMS Run#: 830688

Data Path: j:\acqudata\msvoa(InstID)\(Date)

Pos.	Sample	Diln.	Diln. Prep./	RL	Vial	HS	Cl	pH	File#	OK?	Comments
1	BLK								D4948	Y	
2	↓								49	Y	
3	TUNE								50	Y	
4	CCV								51	Y	
5	LCS-UNP								52	Y	
6	LCS-FP								53	Y	
7	BLK								54	(N)	
8	MBLK-UNP								55	Y	
9	MBLK-FP								56	Y	
10	R2400653-001	1.0		13224	1	N	neg	7	57	Y	
11	R2400654-001	1.0		↓	1	N	neg	6	58	Y	
12	R2400639-001	1.0		18181	1	N	neg	<2	59	Y	*OUT OF HOLD*
13	R2400648-001	1.0		17490	1	N	neg	7	60	Y	
14	BLK								61	Y	
15	R2400652-010	1.0		8043	1	N	—	<2	62	Y	+TICs
16	-001	1.0			1	N	—	<2	63	Y	
17	-002	1.0			1	N	—	<2	64	Y	
18	-003	1.0			1	N	—	<2	65	Y	
19	-004	1.0			1	N	—	<2	66	Y	
20	-007	1.0			1	N	—	<2	67	Y	
21	-008	1.0			1	N	—	<2	68	Y	
22	-009	1.0			1	N	—	<2	69	Y	
23	-006	2.0	25/50mL		1	N	—	<2	70	Y	FOAMY
24	↓ -005	10.0	5/50mL	↓	1	N	—	<2	71	Y	↓
25	R2400651-001	10.0	↓	9492	1	N	—	<2	72	Y	FOAMY
26	R2400623-004	1.0		6368	1	N	—	<2	73	Y	
27	-001	20.0	2.5/50mL		1	N	—	<2	74	(N)	Rpt 1/10
28	-002	10.0	5/50mL		1	N	—	<2	75	(N)	Rpt 1/5
29	↓ -003	20.0	2.5/50mL	↓	1	N	—	<2	76	(N)	Rpt 1/10
30	R2400651-001MS	10.0	5/50mL	9492	1	N	—	<2	77	Y	
31	↓ -001MSD	10.0	↓	↓	1	N	—	<2	78	Y	
32	BLK								↓ 79		

All samples = 5 mL + 5 uL combined IS/ 5 mL purged

Combined IS/Surr: —

T/G Primary 500 : 233409 – 5uL/50mL

HSL Primary : 233410 –

Fr Primary : 233248 – ↓ (CCV)

DCC Primary ↓ : 232984 –

Primary :

Fr Secondary 200 : 233072 – 5uL

T/G Secondary 500 : 233073 – 2uL

HSL Secondary ↓ : 233318 – ↓

DCC Secondary : 232672 – ↓

Secondary :

-12.5uL –5uL

50mL (LCS) ↓

50mL (SPK)

Surrogate 50 : 233407

Internal Std 50 : 233408

Reagents: —

January 31, 2024 Service Request No:R2400623

Rose Richelsen
Stantec Consulting Group, Inc.
61 Commercial St.
Rochester, NY 14614

Laboratory Results for: Rochester Tech Park

Dear Rose,

Enclosed are the results of the sample(s) submitted to our laboratory January 24, 2024
For your reference, these analyses have been assigned our service request number **R2400623.**

All testing was performed according to our laboratory's quality assurance program and met the requirements of the TNI standards except as noted in the case narrative report. Any testing not included in the lab's accreditation is identified on a Non-Certified Analytes report. All results are intended to be considered in their entirety. ALS Environmental is not responsible for use of less than the complete report. Results apply only to the individual samples submitted to the lab for analysis, as listed in the report. The measurement uncertainty of the results included in this report is within that expected when using the prescribed method(s), and represented by Laboratory Control Sample control limits. Any events, such as QC failures or Holding Time exceedances, which may add to the uncertainty are explained in the report narrative or are flagged with qualifiers. The flags are explained in the Report Qualifiers and Definitions page of this report.

Please contact me if you have any questions. My extension is 7476. You may also contact me via email at Chris.Leavy@alsglobal.com.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental

Christopher Leavy
Project Manager

ADDRESS 1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
PHONE +1 585 288 5380 | FAX +1 585 288 8475
ALS Group USA, Corp.
dba ALS Environmental

Narrative Documents

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client: Stantec Consulting Group, Inc.
Project: Rochester Tech Park
Sample Matrix: Water

Service Request: R2400623
Date Received: 01/24/2024

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples for the Tier level IV requested by the client.

Sample Receipt:

Four water samples were received for analysis at ALS Environmental on 01/24/2024. Any discrepancies upon initial sample inspection are annotated on the sample receipt and preservation form included within this report. The samples were stored at minimum in accordance with the analytical method requirements.

Volatiles by GC/MS:

Method 8260C, 01/26/2024: The upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.

Method 8260C, 01/26/2024: The lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.

Method 8260C, 01/29/2024: The upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.

Approved by _____ Date 01/31/2024

Sample Receipt Information

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client: Stantec Consulting Group, Inc. **Service Request:**R2400623
Project: Rochester Tech Park/190500390.470

SAMPLE CROSS-REFERENCE

SAMPLE #	CLIENT SAMPLE ID	DATE	TIME
R2400623-001	RTP-PDW110-GW	1/24/2024	1412
R2400623-002	RTP-MW205-GW	1/24/2024	1543
R2400623-003	RTP-MW203-GW	1/23/2024	1235
R2400623-004	RTP-Trip Blank-W	1/23/2024	

Chain of Custody / Analytical Request Form

68619

SR#:

1565 Jefferson Road, Building 300, Suite 360 • Rochester, NY 14623 • +1 585 288 5380 • alsglobal.com

Report To:	ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER
Company: Stantec	Project Name: Rochester Tech Park
Contact: Rose Richelsen	Project Number: 190500390.470
Email: rose.richelsen@stantec.com	ALS Quote #:
Phone: 585-733-2921	Sampler's Signature:
Address: 61 Commercial St., Suite 100, Rochester, NY 14614	Email CC: Kate.avdino@stantec.com Email CC: andrew.kita@stantec.com State Samples Collected (Circle or Write): (NY) MA, PA, CT, Other:

Preservative: 1

Matrix: GW, WW, SW, DW, S, L, NA

Lab ID (ALS)	Sample ID:	Date	Time	Matrix	Number of Containers	MS/MSD?	GC/MS VOA - 8260•624•524•TCLP (CP-51)	GC/MS SVOA - 8270 • 625 • TCLP	Pesticides - 8081 • 608 • TCLP	PCBs - 8082 • 608	Herbicides - 8151 • TCLP	Metals, Total - Select Below	Metals, Dissolved - Field / In-Lab Filter	Notes:
	RTP-PDW110-GW			GW	3	N	X							
	RTP-MW205-GW			GW	3	N	X							
	RTP-MW203-GW			GW	3	N	X							
	RTP-tripblank-W			W	3	N	X							

0. None
1. HCl
2. HNO3
3. H2SO4
4. NAOH
5. Zn Acet.
6. MeOH
7. NaHSO4
8. Other

Special Instructions / Comments:

NYSDEC Equis EDD and
Stantec Equis 4 File EFWEDD

Turnaround Requirements

____Rush (Surcharges Apply)
Subject to Availability
Please Check with your PM
X Standard (10 Business Days)
Date Required:

Report Requirements

____Tier II/Cat A -Results/QC
X Tier IV/Cat B - Data Validation Report w/. Data
EDD: X Yes ____No
EDD Type: Cat B Equis EDD

Metals: RCRA 8•PP 13•TAL 23•TCLP•Other (List)

VOA/SVOA Report List: TCL • BTEX • TCLP • CP-51/Stars •THM • Other: _____

Invoice To: (X Same as Report To)

PO #:
Company:
Contact:
Email:

	Relinquished By:	Received By:	Relinquished By:	Received By:	Relinquished By:	Received By:
Signature						
Printed Name	Andrew Kita					
Company	Stantec	ALS				
Date/Time	1/24/24 1648	1/24/24 1658				

R2400623 5
Stantec Consulting Group, Inc.
Rochester Tech Park

Distribution: White - Lab Copy; Yellow - Return to Originator

Cooler Receipt and Preservatio

R2400623 5
Stantec Consulting Group, Inc.
Rochester Tech Park

Project/Client _____ Folder Number _____

Cooler received on 1/24/24 by: RR

COURIER: ALS UPS FEDEX VELOCITY (CLIENT)

1	Were **Custody seals** on outside of cooler?	(Y) N	5a	**Perchlorate** samples have required headspace?	Y N (NA)
2	**Custody papers** properly completed (ink, signed)?	(Y) N	5b	Did VOA vials, Alk, or Sulfide have sig* **bubbles**?	Y (N) NA
3	Did all bottles arrive in good **condition** (unbroken)?	(Y) N	6	Where did the bottles originate?	(ALS/ROC) CLIENT
4	Circle: (Wet Ice) Dry Ice Gel packs present?	(Y) N	7	Soil VOA received as: Bulk Encore 5035set	(NA)

8. Temperature Readings Date: 1/24 Time: 1700 ID: IR#12 (IR#11) From: Temp Blank (Sample Bottle)

Observed Temp (°C)	13.5						
Within 0-6°C?	Y (N)	Y N	Y N	Y N	Y N	Y N	Y N
If <0°C, were samples frozen?	Y N	Y N	Y N	Y N	Y N	Y N	Y N

If out of Temperature, note packing/ice condition: _____ Ice melted Poorly Packed (described below) Same Day Rule

&Client Approval to Run Samples: _____ Standing Approval Client aware at drop-off Client notified by: _____

All samples held in storage location: R02 by RR on 1/24 at 1700
5035 samples placed in storage location: _____ by _____ on _____ at _____ within 48 hours of sampling? Y N

Cooler Breakdown/Preservation Check**: Date: 1/25/24 Time: 0834 by: RR

9. Were all bottle labels complete (*i.e.* analysis, preservation, etc.)? (YES) NO
10. Did all bottle labels and tags agree with custody papers? YES (NO)
11. Were correct containers used for the tests indicated? (YES) NO
12. Were 5035 vials acceptable (no extra labels, not leaking)? YES NO (N/A)
13. Were dissolved metals filtered in the field? YES NO (N/A)
14. Air Samples: Cassettes / Tubes Intact Y / N with MS Y / N Canisters Pressurized Tedlar® Bags Inflated (N/A)

pH	Lot of test paper	Reagent	Preserved? Yes	Preserved? No	Lot Received	Exp	Sample-ID Adjusted	Vol. Added	Lot Added	Final pH
≥12		NaOH								
≤2		HNO_3								
≤2		H_2SO_4								
<4		$NaHSO_4$								
5-9		For 608pest			No=Notify for 3day					
Residual Chlorine (-)		For CN, Phenol, 625, 608pest, 522			If +, contact PM to add $Na_2S_2O_3$ (625, 608, CN), ascorbic (phenol).					
		$Na_2S_2O_3$								
		ZnAcetate	-	-			**VOAs and 1664 Not to be tested before analysis. Otherwise, all bottles of all samples with chemical preservatives are checked (not just representatives).			
		HCl	**	**	24001661	4/26				

Bottle lot numbers: 112723-3AXH
Explain all Discrepancies/ Other Comments:

HPROD	BULK
HTR	FLDT
SUB	HGFB
ALS	LL3541

Labels secondary reviewed by: RR
PC Secondary Review: _____

*significant air bubbles: VOA > 5-6 mm : WC >1 in. diameter

Miscellaneous Forms

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

REPORT QUALIFIERS AND DEFINITIONS

U	Analyte was analyzed for but not detected. The sample quantitation limit has been corrected for dilution and for percent moisture, unless otherwise noted in the case narrative.
J	Estimated value due to either being a Tentatively Identified Compound (TIC) or that the concentration is between the MRL and the MDL. Concentrations are not verified within the linear range of the calibration. For DoD: concentration >40% difference between two GC columns (pesticides/Arclors).
B	Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.
E	Inorganics- Concentration is estimated due to the serial dilution was outside control limits.
E	Organics- Concentration has exceeded the calibration range for that specific analysis.
D	Concentration is a result of a dilution, typically a secondary analysis of the sample due to exceeding the calibration range or that a surrogate has been diluted out of the sample and cannot be assessed.
*	Indicates that a quality control parameter has exceeded laboratory limits. Under the "Notes" column of the Form I, this qualifier denotes analysis was performed out of Holding Time.
H	Analysis was performed out of hold time for tests that have an "immediate" hold time criteria.
#	Spike was diluted out.
+	Correlation coefficient for MSA is <0.995.
N	Inorganics- Matrix spike recovery was outside laboratory limits.
N	Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.
S	Concentration has been determined using Method of Standard Additions (MSA).
W	Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.
P	Concentration >40% difference between the two GC columns.
C	Confirmed by GC/MS
Q	DoD reports: indicates a pesticide/Aroclor is not confirmed (≥100% Difference between two GC columns).
X	See Case Narrative for discussion.
MRL LOQ	Method Reporting Limit. Also known as: Limit of Quantitation (LOQ) The lowest concentration at which the method analyte may be reliably quantified under the method conditions.
MDL	Method Detection Limit. A statistical value derived from a study designed to provide the lowest concentration that will be detected 99% of the time. Values between the MDL and MRL are estimated (see J qualifier).
LOD	Limit of Detection. A value at or above the MDL which has been verified to be detectable.
ND	Non-Detect. Analyte was not detected at the concentration listed. Same as U qualifier.

Rochester Lab ID # for State Accreditations[1]

NELAP States
Florida ID # E87674
New Hampshire ID # 2941
New York ID # 10145
Pennsylvania ID# 68-786
Virginia #460167

Non-NELAP States
Connecticut ID #PH0556
Delaware Approved
Maine ID #NY01587
North Carolina #36701
North Carolina #676
Rhode Island LAO00333

[1] Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state or agency requirements. The test results meet requirements of the current NELAP/TNI standards or state or agency requirements, where applicable, except as noted in the case narrative. Since not all analyte/method/matrix combinations are offered for state/NELAC accreditation, this report may contain results which are not accredited. For a specific list of accredited analytes, contact the laboratory. To verify NH accredited analytes, go to https://www4.des.state.nh.us/CertifiedLabs/Certified-Method.aspx.

ALS Laboratory Group

Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

Client: Stantec Consulting Group, Inc. **Service Request:** R2400623
Project: Rochester Tech Park/190500390.470

Sample Name: RTP-PDW110-GW **Date Collected:** 01/24/24
Lab Code: R2400623-001 **Date Received:** 01/24/24
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

Sample Name: RTP-MW205-GW **Date Collected:** 01/24/24
Lab Code: R2400623-002 **Date Received:** 01/24/24
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

Sample Name: RTP-MW203-GW **Date Collected:** 01/23/24
Lab Code: R2400623-003 **Date Received:** 01/24/24
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

Sample Name: RTP-Trip Blank-W **Date Collected:** 01/23/24
Lab Code: R2400623-004 **Date Received:** 01/24/24
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

The preparation methods associated with this report are found in these tables unless discussed in the case narrative.

Water/Liquid Matrix

Analytical Method	Preparation Method
200.7	200.2
200.8	200.2
6010C	3005A/3010A
6020A	ILM05.3
9034 Sulfide Acid Soluble	9030B
SM 4500-CN-E Residual Cyanide	SM 4500-CN-G
SM 4500-CN-E WAD Cyanide	SM 4500-CN-I

Solid/Soil/Non-Aqueous Matrix

Analytical Method	Preparation Method
6010C	3050B
6020A	3050B
6010C TCLP (1311) extract	3005A/3010A
6010 SPLP (1312) extract	3005A/3010A
7199	3060A
300.0 Anions/ 350.1/ 353.2/ SM 2320B/ SM 5210B/ 9056A Anions	DI extraction
For analytical methods not listed, the preparation method is the same as the analytical method reference.	

Sample Results

ALS Environmental—Rochester Laboratory
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Volatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2400623
Project:	Rochester Tech Park/190500390.470	**Date Collected:**	01/24/24 14:12
Sample Matrix:	Water	**Date Received:**	01/24/24 16:58
Sample Name:	RTP-PDW110-GW	**Units:**	ug/L
Lab Code:	R2400623-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	50 U	50	10	01/29/24 13:05	
1,1,2,2-Tetrachloroethane	50 U	50	10	01/29/24 13:05	
1,1,2-Trichloroethane	50 U	50	10	01/29/24 13:05	
1,1-Dichloroethane (1,1-DCA)	50 U	50	10	01/29/24 13:05	
1,1-Dichloroethene (1,1-DCE)	50 U	50	10	01/29/24 13:05	
1,2-Dichloroethane	50 U	50	10	01/29/24 13:05	
1,2-Dichloropropane	50 U	50	10	01/29/24 13:05	
2-Butanone (MEK)	100 U	100	10	01/29/24 13:05	
2-Hexanone	100 U	100	10	01/29/24 13:05	
4-Methyl-2-pentanone	100 U	100	10	01/29/24 13:05	
Acetone	100 U	100	10	01/29/24 13:05	
Benzene	50 U	50	10	01/29/24 13:05	
Bromodichloromethane	50 U	50	10	01/29/24 13:05	
Bromoform	50 U	50	10	01/29/24 13:05	
Bromomethane	50 U	50	10	01/29/24 13:05	
Carbon Disulfide	100 U	100	10	01/29/24 13:05	
Carbon Tetrachloride	50 U	50	10	01/29/24 13:05	
Chlorobenzene	50 U	50	10	01/29/24 13:05	
Chloroethane	50 U	50	10	01/29/24 13:05	
Chloroform	50 U	50	10	01/29/24 13:05	
Chloromethane	50 U	50	10	01/29/24 13:05	
Dibromochloromethane	50 U	50	10	01/29/24 13:05	
Dichloromethane	50 U	50	10	01/29/24 13:05	
Ethylbenzene	50 U	50	10	01/29/24 13:05	
Styrene	50 U	50	10	01/29/24 13:05	
Tetrachloroethene (PCE)	50 U	50	10	01/29/24 13:05	
Toluene	50 U	50	10	01/29/24 13:05	
Trichloroethene (TCE)	**1200**	50	10	01/29/24 13:05	
Vinyl Chloride	50 U	50	10	01/29/24 13:05	
cis-1,2-Dichloroethene	50 U	50	10	01/29/24 13:05	
cis-1,3-Dichloropropene	50 U	50	10	01/29/24 13:05	
m,p-Xylenes	50 U	50	10	01/29/24 13:05	
o-Xylene	50 U	50	10	01/29/24 13:05	
trans-1,2-Dichloroethene	50 U	50	10	01/29/24 13:05	
trans-1,3-Dichloropropene	50 U	50	10	01/29/24 13:05	

Analytical Report

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2400623
Project:	Rochester Tech Park/190500390.470	**Date Collected:**	01/24/24 14:12
Sample Matrix:	Water	**Date Received:**	01/24/24 16:58
Sample Name:	RTP-PDW110-GW	**Units:**	ug/L
Lab Code:	R2400623-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	94	85 - 122	01/29/24 13:05	
Dibromofluoromethane	97	80 - 116	01/29/24 13:05	
Toluene-d8	99	87 - 121	01/29/24 13:05	

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2400623
Project:	Rochester Tech Park/190500390.470	**Date Collected:**	01/24/24 15:43
Sample Matrix:	Water	**Date Received:**	01/24/24 16:58
Sample Name:	RTP-MW205-GW	**Units:**	ug/L
Lab Code:	R2400623-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	25 U	25	5	01/29/24 13:28	
1,1,2,2-Tetrachloroethane	25 U	25	5	01/29/24 13:28	
1,1,2-Trichloroethane	25 U	25	5	01/29/24 13:28	
1,1-Dichloroethane (1,1-DCA)	25 U	25	5	01/29/24 13:28	
1,1-Dichloroethene (1,1-DCE)	25 U	25	5	01/29/24 13:28	
1,2-Dichloroethane	25 U	25	5	01/29/24 13:28	
1,2-Dichloropropane	25 U	25	5	01/29/24 13:28	
2-Butanone (MEK)	50 U	50	5	01/29/24 13:28	
2-Hexanone	50 U	50	5	01/29/24 13:28	
4-Methyl-2-pentanone	50 U	50	5	01/29/24 13:28	
Acetone	50 U	50	5	01/29/24 13:28	
Benzene	25 U	25	5	01/29/24 13:28	
Bromodichloromethane	25 U	25	5	01/29/24 13:28	
Bromoform	25 U	25	5	01/29/24 13:28	
Bromomethane	25 U	25	5	01/29/24 13:28	
Carbon Disulfide	50 U	50	5	01/29/24 13:28	
Carbon Tetrachloride	25 U	25	5	01/29/24 13:28	
Chlorobenzene	25 U	25	5	01/29/24 13:28	
Chloroethane	25 U	25	5	01/29/24 13:28	
Chloroform	25 U	25	5	01/29/24 13:28	
Chloromethane	25 U	25	5	01/29/24 13:28	
Dibromochloromethane	25 U	25	5	01/29/24 13:28	
Dichloromethane	25 U	25	5	01/29/24 13:28	
Ethylbenzene	25 U	25	5	01/29/24 13:28	
Styrene	25 U	25	5	01/29/24 13:28	
Tetrachloroethene (PCE)	25 U	25	5	01/29/24 13:28	
Toluene	25 U	25	5	01/29/24 13:28	
Trichloroethene (TCE)	**630**	25	5	01/29/24 13:28	
Vinyl Chloride	25 U	25	5	01/29/24 13:28	
cis-1,2-Dichloroethene	25 U	25	5	01/29/24 13:28	
cis-1,3-Dichloropropene	25 U	25	5	01/29/24 13:28	
m,p-Xylenes	25 U	25	5	01/29/24 13:28	
o-Xylene	25 U	25	5	01/29/24 13:28	
trans-1,2-Dichloroethene	25 U	25	5	01/29/24 13:28	
trans-1,3-Dichloropropene	25 U	25	5	01/29/24 13:28	

Analytical Report

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2400623
Project:	Rochester Tech Park/190500390.470	**Date Collected:**	01/24/24 15:43
Sample Matrix:	Water	**Date Received:**	01/24/24 16:58
Sample Name:	RTP-MW205-GW	**Units:**	ug/L
Lab Code:	R2400623-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	94	85 - 122	01/29/24 13:28	
Dibromofluoromethane	94	80 - 116	01/29/24 13:28	
Toluene-d8	99	87 - 121	01/29/24 13:28	

Analytical Report

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2400623
Project:	Rochester Tech Park/190500390.470	**Date Collected:**	01/23/24 12:35
Sample Matrix:	Water	**Date Received:**	01/24/24 16:58
Sample Name:	RTP-MW203-GW	**Units:**	ug/L
Lab Code:	R2400623-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	50 U	50	10	01/29/24 13:51	
1,1,2,2-Tetrachloroethane	50 U	50	10	01/29/24 13:51	
1,1,2-Trichloroethane	50 U	50	10	01/29/24 13:51	
1,1-Dichloroethane (1,1-DCA)	50 U	50	10	01/29/24 13:51	
1,1-Dichloroethene (1,1-DCE)	50 U	50	10	01/29/24 13:51	
1,2-Dichloroethane	50 U	50	10	01/29/24 13:51	
1,2-Dichloropropane	50 U	50	10	01/29/24 13:51	
2-Butanone (MEK)	100 U	100	10	01/29/24 13:51	
2-Hexanone	100 U	100	10	01/29/24 13:51	
4-Methyl-2-pentanone	100 U	100	10	01/29/24 13:51	
Acetone	100 U	100	10	01/29/24 13:51	
Benzene	50 U	50	10	01/29/24 13:51	
Bromodichloromethane	50 U	50	10	01/29/24 13:51	
Bromoform	50 U	50	10	01/29/24 13:51	
Bromomethane	50 U	50	10	01/29/24 13:51	
Carbon Disulfide	100 U	100	10	01/29/24 13:51	
Carbon Tetrachloride	50 U	50	10	01/29/24 13:51	
Chlorobenzene	50 U	50	10	01/29/24 13:51	
Chloroethane	50 U	50	10	01/29/24 13:51	
Chloroform	50 U	50	10	01/29/24 13:51	
Chloromethane	50 U	50	10	01/29/24 13:51	
Dibromochloromethane	50 U	50	10	01/29/24 13:51	
Dichloromethane	50 U	50	10	01/29/24 13:51	
Ethylbenzene	50 U	50	10	01/29/24 13:51	
Styrene	50 U	50	10	01/29/24 13:51	
Tetrachloroethene (PCE)	50 U	50	10	01/29/24 13:51	
Toluene	50 U	50	10	01/29/24 13:51	
Trichloroethene (TCE)	**1300**	50	10	01/29/24 13:51	
Vinyl Chloride	50 U	50	10	01/29/24 13:51	
cis-1,2-Dichloroethene	50 U	50	10	01/29/24 13:51	
cis-1,3-Dichloropropene	50 U	50	10	01/29/24 13:51	
m,p-Xylenes	50 U	50	10	01/29/24 13:51	
o-Xylene	50 U	50	10	01/29/24 13:51	
trans-1,2-Dichloroethene	50 U	50	10	01/29/24 13:51	
trans-1,3-Dichloropropene	50 U	50	10	01/29/24 13:51	

Analytical Report

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2400623
Project:	Rochester Tech Park/190500390.470	**Date Collected:**	01/23/24 12:35
Sample Matrix:	Water	**Date Received:**	01/24/24 16:58
Sample Name:	RTP-MW203-GW	**Units:**	ug/L
Lab Code:	R2400623-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	96	85 - 122	01/29/24 13:51	
Dibromofluoromethane	96	80 - 116	01/29/24 13:51	
Toluene-d8	100	87 - 121	01/29/24 13:51	

Analytical Report

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2400623
Project:	Rochester Tech Park/190500390.470	**Date Collected:**	01/23/24
Sample Matrix:	Water	**Date Received:**	01/24/24 16:58
Sample Name:	RTP-Trip Blank-W	**Units:**	ug/L
Lab Code:	R2400623-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	01/26/24 19:55	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	01/26/24 19:55	
1,1,2-Trichloroethane	5.0 U	5.0	1	01/26/24 19:55	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	01/26/24 19:55	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	01/26/24 19:55	
1,2-Dichloroethane	5.0 U	5.0	1	01/26/24 19:55	
1,2-Dichloropropane	5.0 U	5.0	1	01/26/24 19:55	
2-Butanone (MEK)	10 U	10	1	01/26/24 19:55	
2-Hexanone	10 U	10	1	01/26/24 19:55	
4-Methyl-2-pentanone	10 U	10	1	01/26/24 19:55	
Acetone	10 U	10	1	01/26/24 19:55	
Benzene	5.0 U	5.0	1	01/26/24 19:55	
Bromodichloromethane	5.0 U	5.0	1	01/26/24 19:55	
Bromoform	5.0 U	5.0	1	01/26/24 19:55	
Bromomethane	5.0 U	5.0	1	01/26/24 19:55	
Carbon Disulfide	10 U	10	1	01/26/24 19:55	
Carbon Tetrachloride	5.0 U	5.0	1	01/26/24 19:55	
Chlorobenzene	5.0 U	5.0	1	01/26/24 19:55	
Chloroethane	5.0 U	5.0	1	01/26/24 19:55	
Chloroform	5.0 U	5.0	1	01/26/24 19:55	
Chloromethane	5.0 U	5.0	1	01/26/24 19:55	
Dibromochloromethane	5.0 U	5.0	1	01/26/24 19:55	
Dichloromethane	5.0 U	5.0	1	01/26/24 19:55	
Ethylbenzene	5.0 U	5.0	1	01/26/24 19:55	
Styrene	5.0 U	5.0	1	01/26/24 19:55	
Tetrachloroethene (PCE)	5.0 U	5.0	1	01/26/24 19:55	
Toluene	5.0 U	5.0	1	01/26/24 19:55	
Trichloroethene (TCE)	5.0 U	5.0	1	01/26/24 19:55	
Vinyl Chloride	5.0 U	5.0	1	01/26/24 19:55	
cis-1,2-Dichloroethene	5.0 U	5.0	1	01/26/24 19:55	
cis-1,3-Dichloropropene	5.0 U	5.0	1	01/26/24 19:55	
m,p-Xylenes	5.0 U	5.0	1	01/26/24 19:55	
o-Xylene	5.0 U	5.0	1	01/26/24 19:55	
trans-1,2-Dichloroethene	5.0 U	5.0	1	01/26/24 19:55	
trans-1,3-Dichloropropene	5.0 U	5.0	1	01/26/24 19:55	

Analytical Report

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2400623
Project:	Rochester Tech Park/190500390.470	**Date Collected:**	01/23/24
Sample Matrix:	Water	**Date Received:**	01/24/24 16:58
Sample Name:	RTP-Trip Blank-W	**Units:**	ug/L
Lab Code:	R2400623-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	85 - 122	01/26/24 19:55	
Dibromofluoromethane	96	80 - 116	01/26/24 19:55	
Toluene-d8	102	87 - 121	01/26/24 19:55	

QC Summary Forms

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Volatile Organic Compounds by GC/MS

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Client: Stantec Consulting Group, Inc. **Service Request:** R2400623
Project: Rochester Tech Park/190500390.470
Sample Matrix: Water

SURROGATE RECOVERY SUMMARY
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Extraction Method: EPA 5030C

Sample Name	Lab Code	4-Bromofluorobenzene 85 - 122	Dibromofluoromethane 80 - 116	Toluene-d8 87 - 121
RTP-PDW110-GW	R2400623-001	94	97	99
RTP-MW205-GW	R2400623-002	94	94	99
RTP-MW203-GW	R2400623-003	96	96	100
RTP-Trip Blank-W	R2400623-004	100	96	102
Lab Control Sample	RQ2400943-04	96	94	99
Method Blank	RQ2400943-06	94	91	98
Lab Control Sample	RQ2400994-03	94	93	98
Method Blank	RQ2400994-04	94	93	99

Analytical Report

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2400623
Project:	Rochester Tech Park/190500390.470	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2400943-06	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	01/26/24 13:29	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	01/26/24 13:29	
1,1,2-Trichloroethane	5.0 U	5.0	1	01/26/24 13:29	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	01/26/24 13:29	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	01/26/24 13:29	
1,2-Dichloroethane	5.0 U	5.0	1	01/26/24 13:29	
1,2-Dichloropropane	5.0 U	5.0	1	01/26/24 13:29	
2-Butanone (MEK)	10 U	10	1	01/26/24 13:29	
2-Hexanone	10 U	10	1	01/26/24 13:29	
4-Methyl-2-pentanone	10 U	10	1	01/26/24 13:29	
Acetone	10 U	10	1	01/26/24 13:29	
Benzene	5.0 U	5.0	1	01/26/24 13:29	
Bromodichloromethane	5.0 U	5.0	1	01/26/24 13:29	
Bromoform	5.0 U	5.0	1	01/26/24 13:29	
Bromomethane	5.0 U	5.0	1	01/26/24 13:29	
Carbon Disulfide	10 U	10	1	01/26/24 13:29	
Carbon Tetrachloride	5.0 U	5.0	1	01/26/24 13:29	
Chlorobenzene	5.0 U	5.0	1	01/26/24 13:29	
Chloroethane	5.0 U	5.0	1	01/26/24 13:29	
Chloroform	5.0 U	5.0	1	01/26/24 13:29	
Chloromethane	5.0 U	5.0	1	01/26/24 13:29	
Dibromochloromethane	5.0 U	5.0	1	01/26/24 13:29	
Dichloromethane	5.0 U	5.0	1	01/26/24 13:29	
Ethylbenzene	5.0 U	5.0	1	01/26/24 13:29	
Styrene	5.0 U	5.0	1	01/26/24 13:29	
Tetrachloroethene (PCE)	5.0 U	5.0	1	01/26/24 13:29	
Toluene	5.0 U	5.0	1	01/26/24 13:29	
Trichloroethene (TCE)	5.0 U	5.0	1	01/26/24 13:29	
Vinyl Chloride	5.0 U	5.0	1	01/26/24 13:29	
cis-1,2-Dichloroethene	5.0 U	5.0	1	01/26/24 13:29	
cis-1,3-Dichloropropene	5.0 U	5.0	1	01/26/24 13:29	
m,p-Xylenes	5.0 U	5.0	1	01/26/24 13:29	
o-Xylene	5.0 U	5.0	1	01/26/24 13:29	
trans-1,2-Dichloroethene	5.0 U	5.0	1	01/26/24 13:29	
trans-1,3-Dichloropropene	5.0 U	5.0	1	01/26/24 13:29	

Analytical Report

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2400623
Project:	Rochester Tech Park/190500390.470	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2400943-06	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	94	85 - 122	01/26/24 13:29	
Dibromofluoromethane	91	80 - 116	01/26/24 13:29	
Toluene-d8	98	87 - 121	01/26/24 13:29	

Analytical Report

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2400623
Project:	Rochester Tech Park/190500390.470	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2400994-04	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	01/29/24 12:42	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	01/29/24 12:42	
1,1,2-Trichloroethane	5.0 U	5.0	1	01/29/24 12:42	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	01/29/24 12:42	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	01/29/24 12:42	
1,2-Dichloroethane	5.0 U	5.0	1	01/29/24 12:42	
1,2-Dichloropropane	5.0 U	5.0	1	01/29/24 12:42	
2-Butanone (MEK)	10 U	10	1	01/29/24 12:42	
2-Hexanone	10 U	10	1	01/29/24 12:42	
4-Methyl-2-pentanone	10 U	10	1	01/29/24 12:42	
Acetone	10 U	10	1	01/29/24 12:42	
Benzene	5.0 U	5.0	1	01/29/24 12:42	
Bromodichloromethane	5.0 U	5.0	1	01/29/24 12:42	
Bromoform	5.0 U	5.0	1	01/29/24 12:42	
Bromomethane	5.0 U	5.0	1	01/29/24 12:42	
Carbon Disulfide	10 U	10	1	01/29/24 12:42	
Carbon Tetrachloride	5.0 U	5.0	1	01/29/24 12:42	
Chlorobenzene	5.0 U	5.0	1	01/29/24 12:42	
Chloroethane	5.0 U	5.0	1	01/29/24 12:42	
Chloroform	5.0 U	5.0	1	01/29/24 12:42	
Chloromethane	5.0 U	5.0	1	01/29/24 12:42	
Dibromochloromethane	5.0 U	5.0	1	01/29/24 12:42	
Dichloromethane	5.0 U	5.0	1	01/29/24 12:42	
Ethylbenzene	5.0 U	5.0	1	01/29/24 12:42	
Styrene	5.0 U	5.0	1	01/29/24 12:42	
Tetrachloroethene (PCE)	5.0 U	5.0	1	01/29/24 12:42	
Toluene	5.0 U	5.0	1	01/29/24 12:42	
Trichloroethene (TCE)	5.0 U	5.0	1	01/29/24 12:42	
Vinyl Chloride	5.0 U	5.0	1	01/29/24 12:42	
cis-1,2-Dichloroethene	5.0 U	5.0	1	01/29/24 12:42	
cis-1,3-Dichloropropene	5.0 U	5.0	1	01/29/24 12:42	
m,p-Xylenes	5.0 U	5.0	1	01/29/24 12:42	
o-Xylene	5.0 U	5.0	1	01/29/24 12:42	
trans-1,2-Dichloroethene	5.0 U	5.0	1	01/29/24 12:42	
trans-1,3-Dichloropropene	5.0 U	5.0	1	01/29/24 12:42	

Analytical Report

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2400623
Project:	Rochester Tech Park/190500390.470	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2400994-04	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	94	85 - 122	01/29/24 12:42	
Dibromofluoromethane	93	80 - 116	01/29/24 12:42	
Toluene-d8	99	87 - 121	01/29/24 12:42	

Client: Stantec Consulting Group, Inc.
Project: Rochester Tech Park/190500390.470
Sample Matrix: Water

Service Request: R2400623
Date Analyzed: 01/26/24

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ2400943-04

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
1,1,1-Trichloroethane (TCA)	8260C	19.7	20.0	99	75-125
1,1,2,2-Tetrachloroethane	8260C	18.1	20.0	91	78-126
1,1,2-Trichloroethane	8260C	19.0	20.0	95	82-121
1,1-Dichloroethane (1,1-DCA)	8260C	19.9	20.0	99	80-124
1,1-Dichloroethene (1,1-DCE)	8260C	17.6	20.0	88	69-142
1,2-Dichloroethane	8260C	20.3	20.0	101	71-127
1,2-Dichloropropane	8260C	19.8	20.0	99	80-119
2-Butanone (MEK)	8260C	16.2	20.0	81	61-137
2-Hexanone	8260C	18.7	20.0	93	63-124
4-Methyl-2-pentanone	8260C	18.9	20.0	94	66-124
Acetone	8260C	16.3	20.0	82	40-161
Benzene	8260C	20.2	20.0	101	79-119
Bromodichloromethane	8260C	20.6	20.0	103	81-123
Bromoform	8260C	20.8	20.0	104	65-146
Bromomethane	8260C	25.3	20.0	127	42-166
Carbon Disulfide	8260C	17.5	20.0	88	66-128
Carbon Tetrachloride	8260C	18.9	20.0	94	70-127
Chlorobenzene	8260C	20.7	20.0	104	80-121
Chloroethane	8260C	15.6	20.0	78	62-131
Chloroform	8260C	20.4	20.0	102	79-120
Chloromethane	8260C	17.8	20.0	89	72-179
Dibromochloromethane	8260C	19.1	20.0	96	72-128
Dichloromethane	8260C	20.6	20.0	103	73-122
Ethylbenzene	8260C	20.4	20.0	102	76-120
Styrene	8260C	21.6	20.0	108	80-124
Tetrachloroethene (PCE)	8260C	20.0	20.0	100	72-125
Toluene	8260C	19.7	20.0	98	79-119
Trichloroethene (TCE)	8260C	19.1	20.0	96	74-122
Vinyl Chloride	8260C	17.3	20.0	86	74-159
cis-1,2-Dichloroethene	8260C	18.6	20.0	93	80-121
cis-1,3-Dichloropropene	8260C	19.8	20.0	99	77-122
m,p-Xylenes	8260C	41.7	40.0	104	80-126
o-Xylene	8260C	20.8	20.0	104	79-123

Client: Stantec Consulting Group, Inc.
Project: Rochester Tech Park/190500390.470
Sample Matrix: Water

Service Request: R2400623
Date Analyzed: 01/26/24

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ2400943-04

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
trans-1,2-Dichloroethene	8260C	17.8	20.0	89	73-118
trans-1,3-Dichloropropene	8260C	19.5	20.0	97	71-133

Client: Stantec Consulting Group, Inc.
Project: Rochester Tech Park/190500390.470
Sample Matrix: Water

Service Request: R2400623
Date Analyzed: 01/29/24

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ2400994-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
1,1,1-Trichloroethane (TCA)	8260C	19.9	20.0	99	75-125
1,1,2,2-Tetrachloroethane	8260C	16.4	20.0	82	78-126
1,1,2-Trichloroethane	8260C	17.4	20.0	87	82-121
1,1-Dichloroethane (1,1-DCA)	8260C	20.4	20.0	102	80-124
1,1-Dichloroethene (1,1-DCE)	8260C	18.9	20.0	95	69-142
1,2-Dichloroethane	8260C	19.9	20.0	100	71-127
1,2-Dichloropropane	8260C	19.1	20.0	96	80-119
2-Butanone (MEK)	8260C	14.3	20.0	72	61-137
2-Hexanone	8260C	14.9	20.0	74	63-124
4-Methyl-2-pentanone	8260C	16.3	20.0	82	66-124
Acetone	8260C	13.7	20.0	69	40-161
Benzene	8260C	20.2	20.0	101	79-119
Bromodichloromethane	8260C	20.7	20.0	104	81-123
Bromoform	8260C	21.2	20.0	106	65-146
Bromomethane	8260C	27.2	20.0	136	42-166
Carbon Disulfide	8260C	19.3	20.0	97	66-128
Carbon Tetrachloride	8260C	20.2	20.0	101	70-127
Chlorobenzene	8260C	20.7	20.0	104	80-121
Chloroethane	8260C	15.5	20.0	77	62-131
Chloroform	8260C	21.4	20.0	107	79-120
Chloromethane	8260C	17.5	20.0	87	72-179
Dibromochloromethane	8260C	19.2	20.0	96	72-128
Dichloromethane	8260C	19.8	20.0	99	73-122
Ethylbenzene	8260C	19.6	20.0	98	76-120
Styrene	8260C	20.3	20.0	102	80-124
Tetrachloroethene (PCE)	8260C	19.8	20.0	99	72-125
Toluene	8260C	19.5	20.0	97	79-119
Trichloroethene (TCE)	8260C	18.7	20.0	94	74-122
Vinyl Chloride	8260C	16.8	20.0	84	74-159
cis-1,2-Dichloroethene	8260C	19.1	20.0	95	80-121
cis-1,3-Dichloropropene	8260C	19.9	20.0	99	77-122
m,p-Xylenes	8260C	39.9	40.0	100	80-126
o-Xylene	8260C	19.5	20.0	98	79-123

Client: Stantec Consulting Group, Inc.
Project: Rochester Tech Park/190500390.470
Sample Matrix: Water

Service Request: R2400623
Date Analyzed: 01/29/24

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ2400994-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
trans-1,2-Dichloroethene	8260C	18.6	20.0	93	73-118
trans-1,3-Dichloropropene	8260C	19.0	20.0	95	71-133

June 05, 2024 Service Request No:R2404779

Rose Richelsen
Stantec Consulting Group, Inc.
61 Commercial St.
Rochester, NY 14614

Laboratory Results for: RTP

Dear Rose,

Enclosed are the results of the sample(s) submitted to our laboratory June 04, 2024
For your reference, these analyses have been assigned our service request number **R2404779.**

All testing was performed according to our laboratory's quality assurance program and met the requirements of the TNI standards except as noted in the case narrative report. Any testing not included in the lab's accreditation is identified on a Non-Certified Analytes report. All results are intended to be considered in their entirety. ALS Environmental is not responsible for use of less than the complete report. Results apply only to the individual samples submitted to the lab for analysis, as listed in the report. The measurement uncertainty of the results included in this report is within that expected when using the prescribed method(s), and represented by Laboratory Control Sample control limits. Any events, such as QC failures or Holding Time exceedances, which may add to the uncertainty are explained in the report narrative or are flagged with qualifiers. The flags are explained in the Report Qualifiers and Definitions page of this report.

Please contact me if you have any questions. My extension is 7476. You may also contact me via email at Chris.Leavy@alsglobal.com.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental

Christopher Leavy
Project Manager

ADDRESS 1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
PHONE +1 585 288 5380 | FAX +1 585 288 8475
ALS Group USA, Corp.
dba ALS Environmental

Narrative Documents

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client: Stantec Consulting Group, Inc.
Project: RTP
Sample Matrix: Water

Service Request: R2404779
Date Received: 06/04/2024

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples for the Tier level IV requested by the client.
Manual Integrations may have been used in the quantitation of the results in this report. Manual Integrations are readily identified in the raw data on the Quantitation Reports (Organics) by the automatic placement of an “m” next to the sample result. For Ion Chromatography, the manual integrations are identified by the automatic placement of “manipulated” or "manually integrated" in the upper left corner of the chromatogram (Hexavalent Chromium) or “M” by the result in the “Type” column (anions). The reason for the manual integration is noted on the “after” chromatogram, which is found with the original chromatogram and quantitation report. All integrations follow the lab SOP ADM-INT “Manual Integration.”

Sample Receipt:

Three water samples were received for analysis at ALS Environmental on 06/04/2024. Any discrepancies upon initial sample inspection are annotated on the sample receipt and preservation form included within this report. The samples were stored at minimum in accordance with the analytical method requirements.

Volatiles by GC/MS:

No significant anomalies were noted with this analysis.

Approved by _____ Date 06/05/2024

Sample Receipt Information

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client: Stantec Consulting Group, Inc. **Service Request:**R2404779
Project: RTP/190500390.465

SAMPLE CROSS-REFERENCE

SAMPLE #	CLIENT SAMPLE ID	DATE	TIME
R2404779-001	RTP-PDW109-GW	6/4/2024	1330
R2404779-002	TRP-DUP-GW	6/4/2024	1200
R2404779-003	Trip Blank	6/4/2024	

Chain of Custody / Analytical Request Form

73498

SR#:

Page 1 of 1

1565 Jefferson Road, Building 300, Suite 360 • Rochester, NY 14623 • +1 585 288 5380 • alsglobal.com

Report To:	ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER
Company: STANTEC	Project Name: RTP
Contact: STEVEN RIFE	Project Number: 190500390.465
Email: STEVEN.RIFE@STANTEC.COM	ALS Quote #:
Phone: 585-363-0365	Sampler's Signature:
Address: 61 COMMERCIAL ST ROCHESTER NY, 14614	Email CC: KATE.AUDINO@STANTEC.COM
	Email CC: STEVEN.RIFE@STANTEC.COM
	State Samples Collected (Circle or Write): (NY) MA, PA, CT, Other:

Preservative: 0. None; 1. HCl; 2. HNO3; 3. H2SO4; 4. NAOH; 5. Zn Acet.; 6. MeOH; 7. NaHSO4; 8. Other

Lab ID (ALS)	Sample Collection Information: Sample ID:	Date	Time	Matrix (GW WW SW DW S L NA)	Number of Containers	MS/MSD?	GC/MS VOA 8260•624•524•TCLP (TCL + CP-51)	GC/MS SVOA - 8270 • 625 • TCLP	Pesticides - 8081 • 608 • TCLP	PCBs - 8082 • 608	Herbicides - 8151 • TCLP	Metals, Total - Select Below	Metals, Dissolved - Field / In-Lab Filter	Notes:
	RTP-PDW109-GW | MS | MSD	6/4/24	1330	GW	9	Y	X							
	RTP-DUP-GW	↓	1200	GW	3	N	X							
	TRIPBLANK	↓		W	3	N	X							

Special Instructions / Comments:

* 24-HR TAT *

- NYS EQUIS EDD
- STANTEC 4-FILE EFWEDD

Turnaround Requirements

- ✓ Rush (Surcharges Apply)
  Subject to Availability
  Please Check with your PM
- ____ Standard (10 Business Days)

Date Required:

Report Requirements

- ____ Tier II/Cat A -Results/QC
- X Tier IV/Cat B - Data Validation Report w/. Data

EDD: X Yes ____ No

EDD Type: CAT B

Metals: RCRA 8•PP 13•TAL 23•TCLP•Other (List)

VOA/SVOA Report List: TCL • BTEX • TCLP • CP-51/Stars •THM • Other: _____

Invoice To: (□ Same as Report To)

PO #:

Company:

Contact:

	Relinquished By:	Received By:	Relinquished By:	Received By:	Relinquished By:	Received By:
Signature						
Printed Name	STEVEN RIFE	Randy Dive				
Company	STANTEC	ALS				
Date/Time	1530 6/4/24	6/4/24 1530				

R2404779 5
Stantec Consulting Group, Inc.
RTP

Distribution: White - Lab Copy; Yellow - Return to Originator

R2404779 5
Stantec Consulting Group, Inc.
RTP

Cooler Receipt and Preservation Check Form

Project/Client _____ Folder Number _____.

Cooler received on 6/4/24 by: RDH **COURIER:** ALS UPS FEDEX VELOCITY CLIENT

1	Were ~~Custody seals~~ on outside of cooler?	Y (N)		5a	Did **VOA** vials have sig* **bubbles?**	Y (N)	NA
2	**Custody papers** properly completed (ink, signed)?	(Y) N		5b	Sig* bubbles: **Alk?**	Y N (NA)	**Sulfide?** Y N (NA)
3	Did all bottles arrive in good **condition** (unbroken)?	(Y) N		6	Where did the bottles originate?	ALS/ROC	CLIENT
4	Circle: **Wet Ice** **Dry Ice** **Gel packs** present?	(Y) N		7	Soil VOA received as:	Bulk	Encore 5035set NA

8. Temperature Readings Date: 6/4/24 Time: 1531 ID: IR#12 (IR#11) From: Temp Blank Sample Bottle

Temp (°C)	21.5						
Within 0-6°C?	Y (N)	Y N	Y N	Y N	Y N	Y N	Y N
If <0°C, were samples frozen?	Y N	Y N	Y N	Y N	Y N	Y N	Y N

If out of Temperature, note packing/ice condition: _____ Ice melted Poorly Packed (described below) Same Day Rule

&Client Approval to Run Samples: _____ Standing Approval Client aware at drop-off Client notified by: _____

All samples held in storage location: SHO by RDH on 6/4/24 at 1531
5035 samples placed in storage location: _____ by _____ on _____ at _____ within 48 hours of sampling? Y N

Cooler Breakdown/Preservation Check**: Date: 6/4/24 Time: 1532 by: RDH

9. Were all bottle labels complete (*i.e.* analysis, preservation, etc.)? (YES) NO
10. Did all bottle labels and tags agree with custody papers? (YES) NO
11. Were correct containers used for the tests indicated? (YES) NO
12. Were 5035 vials acceptable (no extra labels, not leaking)? (YES) NO N/A
13. Were dissolved metals filtered in the field? YES NO (N/A)
14. Air Samples: Cassettes / Tubes Intact Y / N with MS Y / N Canisters Pressurized Tedlar® Bags Inflated (N/A)

pH	Lot of test paper	Reagent	Preserved? Yes	Preserved? No	Lot Received	Exp	Sample ID Adjusted	Vol. Added	Lot Added	Final pH
≥12		NaOH								
≤2		HNO_3								
≤2		H_2SO_4								
<4		$NaHSO_4$								
5-9		For 608pest			No=Notify for 3day					
Residual Chlorine (-)		For CN, Phenol, 625, 608pest, 522			If +, contact PM to add $Na_2S_2O_3$ (625, 608, CN), ascorbic (phenol).					
		$Na_2S_2O_3$								
		ZnAcetate	-	-						
		HCl	**	**						

**VOAs and 1664 Not to be tested before analysis. Otherwise, all bottles of all samples with chemical preservatives are checked (not just representatives).

Bottle lot numbers: 111323-3AX11
Explain all Discrepancies/ Other Comments:

HPROD	BULK
HTR	FLDT
SUB	HGFB
ALS	LL3541

Labels secondary reviewed by: RDH *significant air bubbles: VOA > 5-6 mm ; WC >1 in. diameter

Miscellaneous Forms

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

REPORT QUALIFIERS AND DEFINITIONS

U	Analyte was analyzed for but not detected. The sample quantitation limit has been corrected for dilution and for percent moisture, unless otherwise noted in the case narrative.
J	Estimated value due to either being a Tentatively Identified Compound (TIC) or that the concentration is between the MRL and the MDL. Concentrations are not verified within the linear range of the calibration. For DoD: concentration >40% difference between two GC columns (pesticides/Arclors).
B	Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.
E	Inorganics- Concentration is estimated due to the serial dilution was outside control limits.
E	Organics- Concentration has exceeded the calibration range for that specific analysis.
D	Concentration is a result of a dilution, typically a secondary analysis of the sample due to exceeding the calibration range or that a surrogate has been diluted out of the sample and cannot be assessed.
*	Indicates that a quality control parameter has exceeded laboratory limits. Under the "Notes" column of the Form I, this qualifier denotes analysis was performed out of Holding Time.
H	Analysis was performed out of hold time for tests that have an "immediate" hold time criteria.
#	Spike was diluted out.
+	Correlation coefficient for MSA is <0.995.
N	Inorganics- Matrix spike recovery was outside laboratory limits.
N	Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.
S	Concentration has been determined using Method of Standard Additions (MSA).
W	Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.
P	Concentration >40% difference between the two GC columns.
C	Confirmed by GC/MS
Q	DoD reports: indicates a pesticide/Aroclor is not confirmed (≥100% Difference between two GC columns).
X	See Case Narrative for discussion.
MRL LOQ	Method Reporting Limit. Also known as: Limit of Quantitation (LOQ) The lowest concentration at which the method analyte may be reliably quantified under the method conditions.
MDL	Method Detection Limit. A statistical value derived from a study designed to provide the lowest concentration that will be detected 99% of the time. Values between the MDL and MRL are estimated (see J qualifier).
LOD	Limit of Detection. A value at or above the MDL which has been verified to be detectable.
ND	Non-Detect. Analyte was not detected at the concentration listed. Same as U qualifier.

Rochester Lab ID # for State Accreditations[1]

NELAP States
Florida ID # E87674
New Hampshire ID # 2941
New York ID # 10145
Pennsylvania ID# 68-786
Virginia #460167

Non-NELAP States
Connecticut ID #PH0556
Delaware Approved
Maine ID #NY01587
North Carolina #36701
North Carolina #676
Rhode Island LAO00333

[1] Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state or agency requirements. The test results meet requirements of the current NELAP/TNI standards or state or agency requirements, where applicable, except as noted in the case narrative. Since not all analyte/method/matrix combinations are offered for state/NELAC accreditation, this report may contain results which are not accredited. For a specific list of accredited analytes, contact the laboratory. To verify NH accredited analytes, go to https://www4.des.state.nh.us/CertifiedLabs/Certified-Method.aspx.

ALS Laboratory Group

Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

Client: Stantec Consulting Group, Inc. **Service Request:** R2404779
Project: RTP/190500390.465

Sample Name: RTP-PDW109-GW **Date Collected:** 06/4/24
Lab Code: R2404779-001 **Date Received:** 06/4/24
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

Sample Name: TRP-DUP-GW **Date Collected:** 06/4/24
Lab Code: R2404779-002 **Date Received:** 06/4/24
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

Sample Name: Trip Blank **Date Collected:** 06/4/24
Lab Code: R2404779-003 **Date Received:** 06/4/24
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

PREPARATION METHODS

The preparation methods associated with this report are found in these tables unless discussed in the case narrative.

INORGANIC

Water/Liquid Matrix

Analytical Method	Preparation Method
200.7	200.2
200.8	200.2
6010C or 6010D	3005A/3010A
6020A or 6020B	ILM05.3
9034 Sulfide Acid Soluble	9030B
SM 4500-CN-N-2016 Amenable and Residual Cyanide	SM 4500-CN-G and SM 4500-CN-B,C-2016
SM 4500-CN-E WAD Cyanide	SM 4500-CN-I

Solid/Soil/Non-Aqueous Matrix

Analytical Method	Preparation Method
6010C or 6010D	3050B
6020A or 6020B	3050B
6010C or 6010D TCLP (1311) extract	3005A/3010A
6010C or 6010D SPLP (1312) extract	3005A/3010A
7199	3060A
300.0 Anions/ 350.1/ 353.2/ SM 2320B/ SM 5210B/ 9056A Anions	DI extraction
For analytical methods not listed, the preparation method is the same as the analytical method reference.	

ORGANIC

Preparation Methods for Organic methods are listed in the header of the Results pages.

Regarding "Bulk/5035A":
For soil/solid samples submitted in soil jars for Volatiles analysis, the prep method is listed as "Bulk/5035A". The lab follows the closed-system EPA 5035A protocols once the sample is transferred to a sealed vial, but collection in bulk in soil jars does not follow the collection protocols listed in EPA 5035A. In accordance with the NYSDOH technical notice of October 2012, all results or reporting limits <200 ug/kg are to be considered estimated due to potential low bias.

Sample Results

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Volatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory
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Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2404779
Project:	RTP/190500390.465	**Date Collected:**	06/04/24 13:30
Sample Matrix:	Water	**Date Received:**	06/04/24 15:30
Sample Name:	RTP-PDW109-GW	**Units:**	ug/L
Lab Code:	R2404779-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	06/05/24 13:17	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	06/05/24 13:17	
1,1,2-Trichloroethane	5.0 U	5.0	1	06/05/24 13:17	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	06/05/24 13:17	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	06/05/24 13:17	
1,2-Dichloroethane	5.0 U	5.0	1	06/05/24 13:17	
1,2-Dichloropropane	5.0 U	5.0	1	06/05/24 13:17	
2-Butanone (MEK)	10 U	10	1	06/05/24 13:17	
2-Hexanone	10 U	10	1	06/05/24 13:17	
4-Methyl-2-pentanone	10 U	10	1	06/05/24 13:17	
Acetone	10 U	10	1	06/05/24 13:17	
Benzene	5.0 U	5.0	1	06/05/24 13:17	
Bromodichloromethane	5.0 U	5.0	1	06/05/24 13:17	
Bromoform	5.0 U	5.0	1	06/05/24 13:17	
Bromomethane	5.0 U	5.0	1	06/05/24 13:17	
Carbon Disulfide	10 U	10	1	06/05/24 13:17	
Carbon Tetrachloride	5.0 U	5.0	1	06/05/24 13:17	
Chlorobenzene	5.0 U	5.0	1	06/05/24 13:17	
Chloroethane	5.0 U	5.0	1	06/05/24 13:17	
Chloroform	5.0 U	5.0	1	06/05/24 13:17	
Chloromethane	5.0 U	5.0	1	06/05/24 13:17	
Dibromochloromethane	5.0 U	5.0	1	06/05/24 13:17	
Dichloromethane	5.0 U	5.0	1	06/05/24 13:17	
Ethylbenzene	5.0 U	5.0	1	06/05/24 13:17	
Styrene	5.0 U	5.0	1	06/05/24 13:17	
Tetrachloroethene (PCE)	5.0 U	5.0	1	06/05/24 13:17	
Toluene	5.0 U	5.0	1	06/05/24 13:17	
Trichloroethene (TCE)	5.0 U	5.0	1	06/05/24 13:17	
Vinyl Chloride	5.0 U	5.0	1	06/05/24 13:17	
cis-1,2-Dichloroethene	5.0 U	5.0	1	06/05/24 13:17	
cis-1,3-Dichloropropene	5.0 U	5.0	1	06/05/24 13:17	
m,p-Xylenes	5.0 U	5.0	1	06/05/24 13:17	
o-Xylene	5.0 U	5.0	1	06/05/24 13:17	
trans-1,2-Dichloroethene	5.0 U	5.0	1	06/05/24 13:17	
trans-1,3-Dichloropropene	5.0 U	5.0	1	06/05/24 13:17	

Analytical Report

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2404779
Project:	RTP/190500390.465	**Date Collected:**	06/04/24 13:30
Sample Matrix:	Water	**Date Received:**	06/04/24 15:30
Sample Name:	RTP-PDW109-GW	**Units:**	ug/L
Lab Code:	R2404779-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	94	85 - 122	06/05/24 13:17	
Dibromofluoromethane	96	80 - 116	06/05/24 13:17	
Toluene-d8	95	87 - 121	06/05/24 13:17	

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2404779
Project:	RTP/190500390.465	**Date Collected:**	06/04/24 12:00
Sample Matrix:	Water	**Date Received:**	06/04/24 15:30
Sample Name:	TRP-DUP-GW	**Units:**	ug/L
Lab Code:	R2404779-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	06/05/24 13:40	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	06/05/24 13:40	
1,1,2-Trichloroethane	5.0 U	5.0	1	06/05/24 13:40	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	06/05/24 13:40	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	06/05/24 13:40	
1,2-Dichloroethane	5.0 U	5.0	1	06/05/24 13:40	
1,2-Dichloropropane	5.0 U	5.0	1	06/05/24 13:40	
2-Butanone (MEK)	10 U	10	1	06/05/24 13:40	
2-Hexanone	10 U	10	1	06/05/24 13:40	
4-Methyl-2-pentanone	10 U	10	1	06/05/24 13:40	
Acetone	10 U	10	1	06/05/24 13:40	
Benzene	5.0 U	5.0	1	06/05/24 13:40	
Bromodichloromethane	5.0 U	5.0	1	06/05/24 13:40	
Bromoform	5.0 U	5.0	1	06/05/24 13:40	
Bromomethane	5.0 U	5.0	1	06/05/24 13:40	
Carbon Disulfide	10 U	10	1	06/05/24 13:40	
Carbon Tetrachloride	5.0 U	5.0	1	06/05/24 13:40	
Chlorobenzene	5.0 U	5.0	1	06/05/24 13:40	
Chloroethane	5.0 U	5.0	1	06/05/24 13:40	
Chloroform	5.0 U	5.0	1	06/05/24 13:40	
Chloromethane	5.0 U	5.0	1	06/05/24 13:40	
Dibromochloromethane	5.0 U	5.0	1	06/05/24 13:40	
Dichloromethane	5.0 U	5.0	1	06/05/24 13:40	
Ethylbenzene	5.0 U	5.0	1	06/05/24 13:40	
Styrene	5.0 U	5.0	1	06/05/24 13:40	
Tetrachloroethene (PCE)	5.0 U	5.0	1	06/05/24 13:40	
Toluene	5.0 U	5.0	1	06/05/24 13:40	
Trichloroethene (TCE)	5.0 U	5.0	1	06/05/24 13:40	
Vinyl Chloride	5.0 U	5.0	1	06/05/24 13:40	
cis-1,2-Dichloroethene	5.0 U	5.0	1	06/05/24 13:40	
cis-1,3-Dichloropropene	5.0 U	5.0	1	06/05/24 13:40	
m,p-Xylenes	5.0 U	5.0	1	06/05/24 13:40	
o-Xylene	5.0 U	5.0	1	06/05/24 13:40	
trans-1,2-Dichloroethene	5.0 U	5.0	1	06/05/24 13:40	
trans-1,3-Dichloropropene	5.0 U	5.0	1	06/05/24 13:40	

Analytical Report

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2404779
Project:	RTP/190500390.465	**Date Collected:**	06/04/24 12:00
Sample Matrix:	Water	**Date Received:**	06/04/24 15:30
Sample Name:	TRP-DUP-GW	**Units:**	ug/L
Lab Code:	R2404779-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	85 - 122	06/05/24 13:40	
Dibromofluoromethane	97	80 - 116	06/05/24 13:40	
Toluene-d8	97	87 - 121	06/05/24 13:40	

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2404779
Project:	RTP/190500390.465	**Date Collected:**	06/04/24
Sample Matrix:	Water	**Date Received:**	06/04/24 15:30
Sample Name:	Trip Blank	**Units:**	ug/L
Lab Code:	R2404779-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	06/05/24 12:54	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	06/05/24 12:54	
1,1,2-Trichloroethane	5.0 U	5.0	1	06/05/24 12:54	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	06/05/24 12:54	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	06/05/24 12:54	
1,2-Dichloroethane	5.0 U	5.0	1	06/05/24 12:54	
1,2-Dichloropropane	5.0 U	5.0	1	06/05/24 12:54	
2-Butanone (MEK)	10 U	10	1	06/05/24 12:54	
2-Hexanone	10 U	10	1	06/05/24 12:54	
4-Methyl-2-pentanone	10 U	10	1	06/05/24 12:54	
Acetone	10 U	10	1	06/05/24 12:54	
Benzene	5.0 U	5.0	1	06/05/24 12:54	
Bromodichloromethane	5.0 U	5.0	1	06/05/24 12:54	
Bromoform	5.0 U	5.0	1	06/05/24 12:54	
Bromomethane	5.0 U	5.0	1	06/05/24 12:54	
Carbon Disulfide	10 U	10	1	06/05/24 12:54	
Carbon Tetrachloride	5.0 U	5.0	1	06/05/24 12:54	
Chlorobenzene	5.0 U	5.0	1	06/05/24 12:54	
Chloroethane	5.0 U	5.0	1	06/05/24 12:54	
Chloroform	5.0 U	5.0	1	06/05/24 12:54	
Chloromethane	5.0 U	5.0	1	06/05/24 12:54	
Dibromochloromethane	5.0 U	5.0	1	06/05/24 12:54	
Dichloromethane	5.0 U	5.0	1	06/05/24 12:54	
Ethylbenzene	5.0 U	5.0	1	06/05/24 12:54	
Styrene	5.0 U	5.0	1	06/05/24 12:54	
Tetrachloroethene (PCE)	5.0 U	5.0	1	06/05/24 12:54	
Toluene	5.0 U	5.0	1	06/05/24 12:54	
Trichloroethene (TCE)	5.0 U	5.0	1	06/05/24 12:54	
Vinyl Chloride	5.0 U	5.0	1	06/05/24 12:54	
cis-1,2-Dichloroethene	5.0 U	5.0	1	06/05/24 12:54	
cis-1,3-Dichloropropene	5.0 U	5.0	1	06/05/24 12:54	
m,p-Xylenes	5.0 U	5.0	1	06/05/24 12:54	
o-Xylene	5.0 U	5.0	1	06/05/24 12:54	
trans-1,2-Dichloroethene	5.0 U	5.0	1	06/05/24 12:54	
trans-1,3-Dichloropropene	5.0 U	5.0	1	06/05/24 12:54	

Analytical Report

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2404779
Project:	RTP/190500390.465	**Date Collected:**	06/04/24
Sample Matrix:	Water	**Date Received:**	06/04/24 15:30
Sample Name:	Trip Blank	**Units:**	ug/L
Lab Code:	R2404779-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	85 - 122	06/05/24 12:54	
Dibromofluoromethane	97	80 - 116	06/05/24 12:54	
Toluene-d8	98	87 - 121	06/05/24 12:54	

QC Summary Forms

ALS Environmental—Rochester Laboratory
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Volatile Organic Compounds by GC/MS

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Client: Stantec Consulting Group, Inc. **Service Request:** R2404779
Project: RTP/190500390.465
Sample Matrix: Water

SURROGATE RECOVERY SUMMARY
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Extraction Method: EPA 5030C

Sample Name	Lab Code	4-Bromofluorobenzene 85 - 122	Dibromofluoromethane 80 - 116	Toluene-d8 87 - 121
RTP-PDW109-GW	R2404779-001	94	96	95
TRP-DUP-GW	R2404779-002	97	97	97
Trip Blank	R2404779-003	97	97	98
Lab Control Sample	RQ2406335-04	98	98	98
Method Blank	RQ2406335-07	99	97	98
RTP-PDW109-GW MS	RQ2406335-08	99	97	99
RTP-PDW109-GW DMS	RQ2406335-09	98	98	100

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2404779
Project:	RTP/190500390.465	**Date Collected:**	06/04/24
Sample Matrix:	Water	**Date Received:**	06/04/24
		Date Analyzed:	06/5/24
		Date Extracted:	NA

Duplicate Matrix Spike Summary
Volatile Organic Compounds by GC/MS

Sample Name:	RTP-PDW109-GW	**Units:**	ug/L
Lab Code:	R2404779-001	**Basis:**	NA
Analysis Method:	8260C		
Prep Method:	EPA 5030C		

		Matrix Spike RQ2406335-08			**Duplicate Matrix Spike** RQ2406335-09				
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
1,1,1-Trichloroethane (TCA)	5.0 U	54.6	50.0	109	55.5	50.0	111	74-127	1	30
1,1,2,2-Tetrachloroethane	5.0 U	46.0	50.0	92	44.6	50.0	89	72-122	3	30
1,1,2-Trichloroethane	5.0 U	50.4	50.0	101	49.8	50.0	100	82-121	1	30
1,1-Dichloroethane (1,1-DCA)	5.0 U	54.7	50.0	109	55.3	50.0	111	74-132	<1	30
1,1-Dichloroethene (1,1-DCE)	5.0 U	52.0	50.0	104	53.1	50.0	106	71-118	2	30
1,2-Dichloroethane	5.0 U	50.8	50.0	102	50.6	50.0	101	68-130	<1	30
1,2-Dichloropropane	5.0 U	49.8	50.0	100	50.6	50.0	101	79-124	2	30
2-Butanone (MEK)	10 U	50.6	50.0	101	50.3	50.0	101	61-137	<1	30
2-Hexanone	10 U	50.0	50.0	100	50.3	50.0	101	56-132	<1	30
4-Methyl-2-pentanone	10 U	51.0	50.0	102	53.1	50.0	106	60-141	4	30
Acetone	10 U	49.0	50.0	98	49.5	50.0	99	35-183	1	30
Benzene	5.0 U	53.6	50.0	107	53.9	50.0	108	76-129	<1	30
Bromodichloromethane	5.0 U	50.2	50.0	100	50.2	50.0	100	78-133	<1	30
Bromoform	5.0 U	47.0	50.0	94	48.0	50.0	96	58-133	2	30
Bromomethane	5.0 U	48.4	50.0	97	50.9	50.0	102	10-184	5	30
Carbon Disulfide	10 U	47.3	50.0	95	47.8	50.0	96	59-140	1	30
Carbon Tetrachloride	5.0 U	50.3	50.0	101	51.3	50.0	103	65-135	2	30
Chlorobenzene	5.0 U	48.8	50.0	98	48.6	50.0	97	76-125	<1	30
Chloroethane	5.0 U	40.3	50.0	81	41.0	50.0	82	48-146	2	30
Chloroform	5.0 U	53.9	50.0	108	53.3	50.0	107	75-130	1	30
Chloromethane	5.0 U	56.2	50.0	112	59.2	50.0	118	55-160	5	30
Dibromochloromethane	5.0 U	49.5	50.0	99	49.1	50.0	98	72-128	<1	30
Dichloromethane	5.0 U	51.8	50.0	104	52.5	50.0	105	73-122	1	30
Ethylbenzene	5.0 U	50.8	50.0	102	49.8	50.0	100	72-134	2	30
Styrene	5.0 U	49.9	50.0	100	50.3	50.0	101	74-136	<1	30
Tetrachloroethene (PCE)	5.0 U	50.0	50.0	100	50.8	50.0	102	72-125	2	30
Toluene	5.0 U	52.6	50.0	105	53.0	50.0	106	79-119	<1	30
Trichloroethene (TCE)	5.0 U	52.0	50.0	104	51.9	50.0	104	74-122	<1	30
Vinyl Chloride	5.0 U	51.2	50.0	102	52.2	50.0	104	74-159	2	30
cis-1,2-Dichloroethene	5.0 U	52.7	50.0	105	51.9	50.0	104	77-127	1	30
cis-1,3-Dichloropropene	5.0 U	48.3	50.0	97	48.4	50.0	97	52-134	<1	30
m,p-Xylenes	5.0 U	102	100	102	102	100	102	80-126	<1	30
o-Xylene	5.0 U	52.0	50.0	104	51.8	50.0	104	79-123	<1	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Matrix Spike and Matrix Spike Duplicate Data is presented for information purposes only. The matrix may or may not be relevant to samples reported in this report. The laboratory evaluates system performance based on the LCS and LCSD control limits.

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2404779
Project:	RTP/190500390.465	**Date Collected:**	06/04/24
Sample Matrix:	Water	**Date Received:**	06/04/24
		Date Analyzed:	06/5/24
		Date Extracted:	NA

Duplicate Matrix Spike Summary
Volatile Organic Compounds by GC/MS

Sample Name:	RTP-PDW109-GW	**Units:**	ug/L
Lab Code:	R2404779-001	**Basis:**	NA
Analysis Method:	8260C		
Prep Method:	EPA 5030C		

		Matrix Spike RQ2406335-08			**Duplicate Matrix Spike** RQ2406335-09					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
trans-1,2-Dichloroethene	5.0 U	50.6	50.0	101	51.0	50.0	102	73-118	<1	30
trans-1,3-Dichloropropene	5.0 U	49.6	50.0	99	49.4	50.0	99	71-133	<1	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Matrix Spike and Matrix Spike Duplicate Data is presented for information purposes only. The matrix may or may not be relevant to samples reported in this report. The laboratory evaluates system performance based on the LCS and LCSD control limits.

Analytical Report

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2404779
Project:	RTP/190500390.465	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2406335-07	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	06/05/24 12:22	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	06/05/24 12:22	
1,1,2-Trichloroethane	5.0 U	5.0	1	06/05/24 12:22	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	06/05/24 12:22	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	06/05/24 12:22	
1,2-Dichloroethane	5.0 U	5.0	1	06/05/24 12:22	
1,2-Dichloropropane	5.0 U	5.0	1	06/05/24 12:22	
2-Butanone (MEK)	10 U	10	1	06/05/24 12:22	
2-Hexanone	10 U	10	1	06/05/24 12:22	
4-Methyl-2-pentanone	10 U	10	1	06/05/24 12:22	
Acetone	10 U	10	1	06/05/24 12:22	
Benzene	5.0 U	5.0	1	06/05/24 12:22	
Bromodichloromethane	5.0 U	5.0	1	06/05/24 12:22	
Bromoform	5.0 U	5.0	1	06/05/24 12:22	
Bromomethane	5.0 U	5.0	1	06/05/24 12:22	
Carbon Disulfide	10 U	10	1	06/05/24 12:22	
Carbon Tetrachloride	5.0 U	5.0	1	06/05/24 12:22	
Chlorobenzene	5.0 U	5.0	1	06/05/24 12:22	
Chloroethane	5.0 U	5.0	1	06/05/24 12:22	
Chloroform	5.0 U	5.0	1	06/05/24 12:22	
Chloromethane	5.0 U	5.0	1	06/05/24 12:22	
Dibromochloromethane	5.0 U	5.0	1	06/05/24 12:22	
Dichloromethane	5.0 U	5.0	1	06/05/24 12:22	
Ethylbenzene	5.0 U	5.0	1	06/05/24 12:22	
Styrene	5.0 U	5.0	1	06/05/24 12:22	
Tetrachloroethene (PCE)	5.0 U	5.0	1	06/05/24 12:22	
Toluene	5.0 U	5.0	1	06/05/24 12:22	
Trichloroethene (TCE)	5.0 U	5.0	1	06/05/24 12:22	
Vinyl Chloride	5.0 U	5.0	1	06/05/24 12:22	
cis-1,2-Dichloroethene	5.0 U	5.0	1	06/05/24 12:22	
cis-1,3-Dichloropropene	5.0 U	5.0	1	06/05/24 12:22	
m,p-Xylenes	5.0 U	5.0	1	06/05/24 12:22	
o-Xylene	5.0 U	5.0	1	06/05/24 12:22	
trans-1,2-Dichloroethene	5.0 U	5.0	1	06/05/24 12:22	
trans-1,3-Dichloropropene	5.0 U	5.0	1	06/05/24 12:22	

Analytical Report

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2404779
Project:	RTP/190500390.465	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2406335-07	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	85 - 122	06/05/24 12:22	
Dibromofluoromethane	97	80 - 116	06/05/24 12:22	
Toluene-d8	98	87 - 121	06/05/24 12:22	

Client: Stantec Consulting Group, Inc.
Project: RTP/190500390.465
Sample Matrix: Water

Service Request: R2404779
Date Analyzed: 06/05/24

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ2406335-04

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
1,1,1-Trichloroethane (TCA)	8260C	21.5	20.0	108	75-125
1,1,2,2-Tetrachloroethane	8260C	19.4	20.0	97	78-126
1,1,2-Trichloroethane	8260C	21.1	20.0	105	82-121
1,1-Dichloroethane (1,1-DCA)	8260C	22.2	20.0	111	80-124
1,1-Dichloroethene (1,1-DCE)	8260C	20.4	20.0	102	69-142
1,2-Dichloroethane	8260C	21.4	20.0	107	71-127
1,2-Dichloropropane	8260C	20.6	20.0	103	80-119
2-Butanone (MEK)	8260C	20.1	20.0	100	61-137
2-Hexanone	8260C	19.7	20.0	98	63-124
4-Methyl-2-pentanone	8260C	19.8	20.0	99	66-124
Acetone	8260C	19.3	20.0	96	40-161
Benzene	8260C	21.7	20.0	109	79-119
Bromodichloromethane	8260C	20.9	20.0	104	81-123
Bromoform	8260C	20.8	20.0	104	65-146
Bromomethane	8260C	21.6	20.0	108	42-166
Carbon Disulfide	8260C	19.3	20.0	97	66-128
Carbon Tetrachloride	8260C	19.8	20.0	99	70-127
Chlorobenzene	8260C	20.6	20.0	103	80-121
Chloroethane	8260C	15.7	20.0	78	62-131
Chloroform	8260C	21.8	20.0	109	79-120
Chloromethane	8260C	23.0	20.0	115	72-179
Dibromochloromethane	8260C	20.3	20.0	102	72-128
Dichloromethane	8260C	22.0	20.0	110	73-122
Ethylbenzene	8260C	20.3	20.0	101	76-120
Styrene	8260C	21.0	20.0	105	80-124
Tetrachloroethene (PCE)	8260C	20.9	20.0	104	72-125
Toluene	8260C	21.7	20.0	109	79-119
Trichloroethene (TCE)	8260C	21.3	20.0	106	74-122
Vinyl Chloride	8260C	20.3	20.0	101	74-159
cis-1,2-Dichloroethene	8260C	21.7	20.0	108	80-121
cis-1,3-Dichloropropene	8260C	20.7	20.0	103	77-122
m,p-Xylenes	8260C	41.6	40.0	104	80-126
o-Xylene	8260C	21.3	20.0	107	79-123

Client: Stantec Consulting Group, Inc.
Project: RTP/190500390.465
Sample Matrix: Water

Service Request: R2404779
Date Analyzed: 06/05/24

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ2406335-04

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
trans-1,2-Dichloroethene	8260C	20.4	20.0	102	73-118
trans-1,3-Dichloropropene	8260C	23.1	20.0	116	71-133

June 05, 2024 Service Request No:R2404779

Rose Richelsen
Stantec Consulting Group, Inc.
61 Commercial St.
Rochester, NY 14614

Laboratory Results for: RTP

Dear Rose,

Enclosed are the results of the sample(s) submitted to our laboratory June 04, 2024
For your reference, these analyses have been assigned our service request number **R2404779.**

All testing was performed according to our laboratory's quality assurance program and met the requirements of the TNI standards except as noted in the case narrative report. Any testing not included in the lab's accreditation is identified on a Non-Certified Analytes report. All results are intended to be considered in their entirety. ALS Environmental is not responsible for use of less than the complete report. Results apply only to the individual samples submitted to the lab for analysis, as listed in the report. The measurement uncertainty of the results included in this report is within that expected when using the prescribed method(s), and represented by Laboratory Control Sample control limits. Any events, such as QC failures or Holding Time exceedances, which may add to the uncertainty are explained in the report narrative or are flagged with qualifiers. The flags are explained in the Report Qualifiers and Definitions page of this report.

Please contact me if you have any questions. My extension is 7476. You may also contact me via email at Chris.Leavy@alsglobal.com.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental

Christopher Leavy
Project Manager

ADDRESS 1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
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ALS Group USA, Corp.
dba ALS Environmental

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Table of Contents

Table of Contents (continued)

Narrative Documents

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client: Stantec Consulting Group, Inc.
Project: RTP
Sample Matrix: Water

Service Request: R2404779
Date Received: 06/04/2024

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples for the Tier level IV requested by the client.
Manual Integrations may have been used in the quantitation of the results in this report. Manual Integrations are readily identified in the raw data on the Quantitation Reports (Organics) by the automatic placement of an “m” next to the sample result. For Ion Chromatography, the manual integrations are identified by the automatic placement of “manipulated” or "manually integrated" in the upper left corner of the chromatogram (Hexavalent Chromium) or “M” by the result in the “Type” column (anions). The reason for the manual integration is noted on the “after” chromatogram, which is found with the original chromatogram and quantitation report. All integrations follow the lab SOP ADM-INT “Manual Integration.”

Sample Receipt:

Three water samples were received for analysis at ALS Environmental on 06/04/2024. Any discrepancies upon initial sample inspection are annotated on the sample receipt and preservation form included within this report. The samples were stored at minimum in accordance with the analytical method requirements.

Volatiles by GC/MS:

No significant anomalies were noted with this analysis.

Approved by _____ Date 06/05/2024

Sample Receipt Information

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client: Stantec Consulting Group, Inc. **Service Request:**R2404779
Project: RTP/190500390.465

SAMPLE CROSS-REFERENCE

SAMPLE #	CLIENT SAMPLE ID	DATE	TIME
R2404779-001	RTP-PDW109-GW	6/4/2024	1330
R2404779-002	TRP-DUP-GW	6/4/2024	1200
R2404779-003	Trip Blank	6/4/2024	

Chain of Custody / Analytical Request Form

73498

SR#:

Page 1 of 1

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Report To:	ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER
Company: STANTEC	Project Name: RTP
Contact: STEVEN RIFE	Project Number: 190500390.465
Email: STEVEN.RIFE@STANTEC.COM	ALS Quote #:
Phone: 585-363-0365	Sampler's Signature:
Address: 61 COMMERCIAL ST ROCHESTER NY, 14614	Email CC: KATE.AUDINO@STANTEC.COM
	Email CC: STEVEN.RIFE@STANTEC.COM
	State Samples Collected (Circle or Write): (NY) MA, PA, CT, Other:

Lab ID (ALS)	Sample Collection Information: Sample ID:	Date	Time	Matrix	Number of Containers	MS/MSD?	GC/MS VOA 8260•624•524•TCLP	GC/MS SVOA - 8270 • 625 • TCLP	Pesticides - 8081 • 608 • TCLP	PCBs - 8082 • 608	Herbicides - 8151 • TCLP	Metals, Total - Select Below	Metals, Dissolved - Field / In-Lab Filter	Notes:
	RTP-PDW109-GW/MS/MSD	6/4/24	1330	GW	9	Y	X							
	RTP-DUP-GW	↓	1200	GW	3	N	X							
	TRIPBLANK	↓		W	3	N	X							

Preservative: 0. None; 1. HCl; 2. HNO3; 3. H2SO4; 4. NAOH; 5. Zn Acet.; 6. MeOH; 7. NaHSO4; 8. Other

Matrix: GW, WW, SW, DW, S, L, NA

MS/MSD? (TCL + CP-51)

Special Instructions / Comments:

* 24-HR TAT *

- NYS EQUIS EDD
- STANTEC 4-FILE EFWEDD

Turnaround Requirements

- ✓ Rush (Surcharges Apply)
  Subject to Availability
  Please Check with your PM
- ____ Standard (10 Business Days)

Date Required:

Report Requirements

- ____ Tier II/Cat A -Results/QC
- X Tier IV/Cat B - Data Validation Report w/. Data

EDD: X Yes ____ No

EDD Type: CAT B

Metals: RCRA 8•PP 13•TAL 23•TCLP•Other (List)

VOA/SVOA Report List: TCL • BTEX • TCLP • CP-51/Stars •THM • Other: _____

Invoice To: (□ Same as Report To)

PO #:

Company:

Contact:

Em

PH

A

	Relinquished By:	Received By:	Relinquished By:	Received By:	Relinquished By:	Received By:
Signature						
Printed Name	STEVEN RIFE	Randy Dive				
Company	STANTEC	ALS				
Date/Time	1530 6/4/24	6/4/24 1530				

R2404779 5
Stantec Consulting Group, Inc.
RTP

Distribution: White - Lab Copy; Yellow - Return to Originator

R2404779 5
Stantec Consulting Group, Inc.
RTP

Cooler Receipt and Preservation Check Form

Project/Client _____ Folder Number _____.

Cooler received on 6/4/24 by: RDH **COURIER:** ALS UPS FEDEX VELOCITY CLIENT

1	Were **Custody seals** on outside of cooler?	Y N	5a	Did **VOA** vials have sig* **bubbles?**		Y N NA
2	**Custody papers** properly completed (ink, signed)?	Y N	5b	Sig* bubbles: **Alk?**	Y N NA	**Sulfide?** Y N NA
3	Did all bottles arrive in good **condition** (unbroken)?	Y N	6	Where did the bottles originate?	ALS/ROC	CLIENT
4	Circle: **Wet Ice** **Dry Ice** **Gel packs** present?	Y N	7	Soil VOA received as:	Bulk Encore	5035set NA

8. Temperature Readings Date: 6/4/24 Time: 1531 ID: IR#12 IR#11 From: Temp Blank Sample Bottle

Temp (°C)	21.5						
Within 0-6°C?	Y N	Y N	Y N	Y N	Y N	Y N	Y N
If <0°C, were samples frozen?	Y N	Y N	Y N	Y N	Y N	Y N	Y N

If out of Temperature, note packing/ice condition: _____ Ice melted Poorly Packed (described below) Same Day Rule

&Client Approval to Run Samples: _____ Standing Approval Client aware at drop-off Client notified by: _____

All samples held in storage location: SHO by RDH on 6/4/24 at 1531
5035 samples placed in storage location: _____ by _____ on _____ at _____ within 48 hours of sampling? Y N

Cooler Breakdown/Preservation Check**: Date: 6/4/24 Time: 1532 by: RDH

9. Were all bottle labels complete (*i.e.* analysis, preservation, etc.)? YES NO
10. Did all bottle labels and tags agree with custody papers? YES NO
11. Were correct containers used for the tests indicated? YES NO
12. Were 5035 vials acceptable (no extra labels, not leaking)? YES NO N/A
13. Were dissolved metals filtered in the field? YES NO N/A
14. Air Samples: Cassettes / Tubes Intact Y / N with MS Y / N Canisters Pressurized Tedlar® Bags Inflated N/A

pH	Lot of test paper	Reagent	Preserved? Yes	Preserved? No	Lot Received	Exp	Sample ID Adjusted	Vol. Added	Lot Added	Final pH
≥12		NaOH								
≤2		HNO_3								
≤2		H_2SO_4								
<4		$NaHSO_4$								
5-9		For 608pest			No=Notify for 3day					
Residual Chlorine (-)		For CN, Phenol, 625, 608pest, 522			If +, contact PM to add $Na_2S_2O_3$ (625, 608, CN), ascorbic (phenol).					
		$Na_2S_2O_3$								
		ZnAcetate	-	-						
		HCl	**	**						

**VOAs and 1664 Not to be tested before analysis. Otherwise, all bottles of all samples with chemical preservatives are checked (not just representatives).

Bottle lot numbers: 111323-3AX11
Explain all Discrepancies/ Other Comments:

HPROD	BULK
HTR	FLDT
SUB	HGFB
ALS	LL3541

Labels secondary reviewed by: RDH *significant air bubbles: VOA > 5-6 mm ; WC >1 in. diameter

Miscellaneous Forms

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

REPORT QUALIFIERS AND DEFINITIONS

U	Analyte was analyzed for but not detected. The sample quantitation limit has been corrected for dilution and for percent moisture, unless otherwise noted in the case narrative.
J	Estimated value due to either being a Tentatively Identified Compound (TIC) or that the concentration is between the MRL and the MDL. Concentrations are not verified within the linear range of the calibration. For DoD: concentration >40% difference between two GC columns (pesticides/Arclors).
B	Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.
E	Inorganics- Concentration is estimated due to the serial dilution was outside control limits.
E	Organics- Concentration has exceeded the calibration range for that specific analysis.
D	Concentration is a result of a dilution, typically a secondary analysis of the sample due to exceeding the calibration range or that a surrogate has been diluted out of the sample and cannot be assessed.
*	Indicates that a quality control parameter has exceeded laboratory limits. Under the "Notes" column of the Form I, this qualifier denotes analysis was performed out of Holding Time.
H	Analysis was performed out of hold time for tests that have an "immediate" hold time criteria.
#	Spike was diluted out.
+	Correlation coefficient for MSA is <0.995.
N	Inorganics- Matrix spike recovery was outside laboratory limits.
N	Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.
S	Concentration has been determined using Method of Standard Additions (MSA).
W	Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.
P	Concentration >40% difference between the two GC columns.
C	Confirmed by GC/MS
Q	DoD reports: indicates a pesticide/Aroclor is not confirmed (≥100% Difference between two GC columns).
X	See Case Narrative for discussion.
MRL LOQ	Method Reporting Limit. Also known as: Limit of Quantitation (LOQ) The lowest concentration at which the method analyte may be reliably quantified under the method conditions.
MDL	Method Detection Limit. A statistical value derived from a study designed to provide the lowest concentration that will be detected 99% of the time. Values between the MDL and MRL are estimated (see J qualifier).
LOD	Limit of Detection. A value at or above the MDL which has been verified to be detectable.
ND	Non-Detect. Analyte was not detected at the concentration listed. Same as U qualifier.

Rochester Lab ID # for State Accreditations[1]

NELAP States
Florida ID # E87674
New Hampshire ID # 2941
New York ID # 10145
Pennsylvania ID# 68-786
Virginia #460167

Non-NELAP States
Connecticut ID #PH0556
Delaware Approved
Maine ID #NY01587
North Carolina #36701
North Carolina #676
Rhode Island LAO00333

[1] Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state or agency requirements. The test results meet requirements of the current NELAP/TNI standards or state or agency requirements, where applicable, except as noted in the case narrative. Since not all analyte/method/matrix combinations are offered for state/NELAC accreditation, this report may contain results which are not accredited. For a specific list of accredited analytes, contact the laboratory. To verify NH accredited analytes, go to https://www4.des.state.nh.us/CertifiedLabs/Certified-Method.aspx.

ALS Laboratory Group

Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2404779
Project:	RTP/190500390.465		

Sample Name:	RTP-PDW109-GW	**Date Collected:**	06/4/24
Lab Code:	R2404779-001	**Date Received:**	06/4/24
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

Sample Name:	TRP-DUP-GW	**Date Collected:**	06/4/24
Lab Code:	R2404779-002	**Date Received:**	06/4/24
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

Sample Name:	Trip Blank	**Date Collected:**	06/4/24
Lab Code:	R2404779-003	**Date Received:**	06/4/24
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

PREPARATION METHODS

The preparation methods associated with this report are found in these tables unless discussed in the case narrative.

INORGANIC

Water/Liquid Matrix

Analytical Method	Preparation Method
200.7	200.2
200.8	200.2
6010C or 6010D	3005A/3010A
6020A or 6020B	ILM05.3
9034 Sulfide Acid Soluble	9030B
SM 4500-CN-N-2016 Amenable and Residual Cyanide	SM 4500-CN-G and SM 4500-CN-B,C-2016
SM 4500-CN-E WAD Cyanide	SM 4500-CN-I

Solid/Soil/Non-Aqueous Matrix

Analytical Method	Preparation Method
6010C or 6010D	3050B
6020A or 6020B	3050B
6010C or 6010D TCLP (1311) extract	3005A/3010A
6010C or 6010D SPLP (1312) extract	3005A/3010A
7199	3060A
300.0 Anions/ 350.1/ 353.2/ SM 2320B/ SM 5210B/ 9056A Anions	DI extraction
For analytical methods not listed, the preparation method is the same as the analytical method reference.	

ORGANIC

Preparation Methods for Organic methods are listed in the header of the Results pages.

Regarding "Bulk/5035A":
For soil/solid samples submitted in soil jars for Volatiles analysis, the prep method is listed as "Bulk/5035A". The lab follows the closed-system EPA 5035A protocols once the sample is transferred to a sealed vial, but collection in bulk in soil jars does not follow the collection protocols listed in EPA 5035A. In accordance with the NYSDOH technical notice of October 2012, all results or reporting limits <200 ug/kg are to be considered estimated due to potential low bias.

Sample Results

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
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Volatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Analytical Report

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2404779
Project:	RTP/190500390.465	**Date Collected:**	06/04/24 13:30
Sample Matrix:	Water	**Date Received:**	06/04/24 15:30
Sample Name:	RTP-PDW109-GW	**Units:**	ug/L
Lab Code:	R2404779-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	06/05/24 13:17	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	06/05/24 13:17	
1,1,2-Trichloroethane	5.0 U	5.0	1	06/05/24 13:17	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	06/05/24 13:17	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	06/05/24 13:17	
1,2-Dichloroethane	5.0 U	5.0	1	06/05/24 13:17	
1,2-Dichloropropane	5.0 U	5.0	1	06/05/24 13:17	
2-Butanone (MEK)	10 U	10	1	06/05/24 13:17	
2-Hexanone	10 U	10	1	06/05/24 13:17	
4-Methyl-2-pentanone	10 U	10	1	06/05/24 13:17	
Acetone	10 U	10	1	06/05/24 13:17	
Benzene	5.0 U	5.0	1	06/05/24 13:17	
Bromodichloromethane	5.0 U	5.0	1	06/05/24 13:17	
Bromoform	5.0 U	5.0	1	06/05/24 13:17	
Bromomethane	5.0 U	5.0	1	06/05/24 13:17	
Carbon Disulfide	10 U	10	1	06/05/24 13:17	
Carbon Tetrachloride	5.0 U	5.0	1	06/05/24 13:17	
Chlorobenzene	5.0 U	5.0	1	06/05/24 13:17	
Chloroethane	5.0 U	5.0	1	06/05/24 13:17	
Chloroform	5.0 U	5.0	1	06/05/24 13:17	
Chloromethane	5.0 U	5.0	1	06/05/24 13:17	
Dibromochloromethane	5.0 U	5.0	1	06/05/24 13:17	
Dichloromethane	5.0 U	5.0	1	06/05/24 13:17	
Ethylbenzene	5.0 U	5.0	1	06/05/24 13:17	
Styrene	5.0 U	5.0	1	06/05/24 13:17	
Tetrachloroethene (PCE)	5.0 U	5.0	1	06/05/24 13:17	
Toluene	5.0 U	5.0	1	06/05/24 13:17	
Trichloroethene (TCE)	5.0 U	5.0	1	06/05/24 13:17	
Vinyl Chloride	5.0 U	5.0	1	06/05/24 13:17	
cis-1,2-Dichloroethene	5.0 U	5.0	1	06/05/24 13:17	
cis-1,3-Dichloropropene	5.0 U	5.0	1	06/05/24 13:17	
m,p-Xylenes	5.0 U	5.0	1	06/05/24 13:17	
o-Xylene	5.0 U	5.0	1	06/05/24 13:17	
trans-1,2-Dichloroethene	5.0 U	5.0	1	06/05/24 13:17	
trans-1,3-Dichloropropene	5.0 U	5.0	1	06/05/24 13:17	

Analytical Report

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2404779
Project:	RTP/190500390.465	**Date Collected:**	06/04/24 13:30
Sample Matrix:	Water	**Date Received:**	06/04/24 15:30
Sample Name:	RTP-PDW109-GW	**Units:**	ug/L
Lab Code:	R2404779-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	94	85 - 122	06/05/24 13:17	
Dibromofluoromethane	96	80 - 116	06/05/24 13:17	
Toluene-d8	95	87 - 121	06/05/24 13:17	

Analytical Report

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2404779
Project:	RTP/190500390.465	**Date Collected:**	06/04/24 12:00
Sample Matrix:	Water	**Date Received:**	06/04/24 15:30
Sample Name:	TRP-DUP-GW	**Units:**	ug/L
Lab Code:	R2404779-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	06/05/24 13:40	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	06/05/24 13:40	
1,1,2-Trichloroethane	5.0 U	5.0	1	06/05/24 13:40	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	06/05/24 13:40	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	06/05/24 13:40	
1,2-Dichloroethane	5.0 U	5.0	1	06/05/24 13:40	
1,2-Dichloropropane	5.0 U	5.0	1	06/05/24 13:40	
2-Butanone (MEK)	10 U	10	1	06/05/24 13:40	
2-Hexanone	10 U	10	1	06/05/24 13:40	
4-Methyl-2-pentanone	10 U	10	1	06/05/24 13:40	
Acetone	10 U	10	1	06/05/24 13:40	
Benzene	5.0 U	5.0	1	06/05/24 13:40	
Bromodichloromethane	5.0 U	5.0	1	06/05/24 13:40	
Bromoform	5.0 U	5.0	1	06/05/24 13:40	
Bromomethane	5.0 U	5.0	1	06/05/24 13:40	
Carbon Disulfide	10 U	10	1	06/05/24 13:40	
Carbon Tetrachloride	5.0 U	5.0	1	06/05/24 13:40	
Chlorobenzene	5.0 U	5.0	1	06/05/24 13:40	
Chloroethane	5.0 U	5.0	1	06/05/24 13:40	
Chloroform	5.0 U	5.0	1	06/05/24 13:40	
Chloromethane	5.0 U	5.0	1	06/05/24 13:40	
Dibromochloromethane	5.0 U	5.0	1	06/05/24 13:40	
Dichloromethane	5.0 U	5.0	1	06/05/24 13:40	
Ethylbenzene	5.0 U	5.0	1	06/05/24 13:40	
Styrene	5.0 U	5.0	1	06/05/24 13:40	
Tetrachloroethene (PCE)	5.0 U	5.0	1	06/05/24 13:40	
Toluene	5.0 U	5.0	1	06/05/24 13:40	
Trichloroethene (TCE)	5.0 U	5.0	1	06/05/24 13:40	
Vinyl Chloride	5.0 U	5.0	1	06/05/24 13:40	
cis-1,2-Dichloroethene	5.0 U	5.0	1	06/05/24 13:40	
cis-1,3-Dichloropropene	5.0 U	5.0	1	06/05/24 13:40	
m,p-Xylenes	5.0 U	5.0	1	06/05/24 13:40	
o-Xylene	5.0 U	5.0	1	06/05/24 13:40	
trans-1,2-Dichloroethene	5.0 U	5.0	1	06/05/24 13:40	
trans-1,3-Dichloropropene	5.0 U	5.0	1	06/05/24 13:40	

Analytical Report

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2404779
Project:	RTP/190500390.465	**Date Collected:**	06/04/24 12:00
Sample Matrix:	Water	**Date Received:**	06/04/24 15:30
Sample Name:	TRP-DUP-GW	**Units:**	ug/L
Lab Code:	R2404779-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	85 - 122	06/05/24 13:40	
Dibromofluoromethane	97	80 - 116	06/05/24 13:40	
Toluene-d8	97	87 - 121	06/05/24 13:40	

Analytical Report

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2404779
Project:	RTP/190500390.465	**Date Collected:**	06/04/24
Sample Matrix:	Water	**Date Received:**	06/04/24 15:30
Sample Name:	Trip Blank	**Units:**	ug/L
Lab Code:	R2404779-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	06/05/24 12:54	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	06/05/24 12:54	
1,1,2-Trichloroethane	5.0 U	5.0	1	06/05/24 12:54	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	06/05/24 12:54	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	06/05/24 12:54	
1,2-Dichloroethane	5.0 U	5.0	1	06/05/24 12:54	
1,2-Dichloropropane	5.0 U	5.0	1	06/05/24 12:54	
2-Butanone (MEK)	10 U	10	1	06/05/24 12:54	
2-Hexanone	10 U	10	1	06/05/24 12:54	
4-Methyl-2-pentanone	10 U	10	1	06/05/24 12:54	
Acetone	10 U	10	1	06/05/24 12:54	
Benzene	5.0 U	5.0	1	06/05/24 12:54	
Bromodichloromethane	5.0 U	5.0	1	06/05/24 12:54	
Bromoform	5.0 U	5.0	1	06/05/24 12:54	
Bromomethane	5.0 U	5.0	1	06/05/24 12:54	
Carbon Disulfide	10 U	10	1	06/05/24 12:54	
Carbon Tetrachloride	5.0 U	5.0	1	06/05/24 12:54	
Chlorobenzene	5.0 U	5.0	1	06/05/24 12:54	
Chloroethane	5.0 U	5.0	1	06/05/24 12:54	
Chloroform	5.0 U	5.0	1	06/05/24 12:54	
Chloromethane	5.0 U	5.0	1	06/05/24 12:54	
Dibromochloromethane	5.0 U	5.0	1	06/05/24 12:54	
Dichloromethane	5.0 U	5.0	1	06/05/24 12:54	
Ethylbenzene	5.0 U	5.0	1	06/05/24 12:54	
Styrene	5.0 U	5.0	1	06/05/24 12:54	
Tetrachloroethene (PCE)	5.0 U	5.0	1	06/05/24 12:54	
Toluene	5.0 U	5.0	1	06/05/24 12:54	
Trichloroethene (TCE)	5.0 U	5.0	1	06/05/24 12:54	
Vinyl Chloride	5.0 U	5.0	1	06/05/24 12:54	
cis-1,2-Dichloroethene	5.0 U	5.0	1	06/05/24 12:54	
cis-1,3-Dichloropropene	5.0 U	5.0	1	06/05/24 12:54	
m,p-Xylenes	5.0 U	5.0	1	06/05/24 12:54	
o-Xylene	5.0 U	5.0	1	06/05/24 12:54	
trans-1,2-Dichloroethene	5.0 U	5.0	1	06/05/24 12:54	
trans-1,3-Dichloropropene	5.0 U	5.0	1	06/05/24 12:54	

Analytical Report

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2404779
Project:	RTP/190500390.465	**Date Collected:**	06/04/24
Sample Matrix:	Water	**Date Received:**	06/04/24 15:30
Sample Name:	Trip Blank	**Units:**	ug/L
Lab Code:	R2404779-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	85 - 122	06/05/24 12:54	
Dibromofluoromethane	97	80 - 116	06/05/24 12:54	
Toluene-d8	98	87 - 121	06/05/24 12:54	

QC Summary Forms

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Volatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client: Stantec Consulting Group, Inc. **Service Request:** R2404779
Project: RTP/190500390.465
Sample Matrix: Water

SURROGATE RECOVERY SUMMARY
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Extraction Method: EPA 5030C

Sample Name	Lab Code	4-Bromofluorobenzene 85 - 122	Dibromofluoromethane 80 - 116	Toluene-d8 87 - 121
RTP-PDW109-GW	R2404779-001	94	96	95
TRP-DUP-GW	R2404779-002	97	97	97
Trip Blank	R2404779-003	97	97	98
Lab Control Sample	RQ2406335-04	98	98	98
Method Blank	RQ2406335-07	99	97	98
RTP-PDW109-GW MS	RQ2406335-08	99	97	99
RTP-PDW109-GW DMS	RQ2406335-09	98	98	100

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2404779
Project:	RTP/190500390.465	**Date Collected:**	06/04/24
Sample Matrix:	Water	**Date Received:**	06/04/24
		Date Analyzed:	06/5/24
		Date Extracted:	NA

Duplicate Matrix Spike Summary
Volatile Organic Compounds by GC/MS

Sample Name:	RTP-PDW109-GW	**Units:**	ug/L
Lab Code:	R2404779-001	**Basis:**	NA
Analysis Method:	8260C		
Prep Method:	EPA 5030C		

		Matrix Spike RQ2406335-08			**Duplicate Matrix Spike** RQ2406335-09					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
1,1,1-Trichloroethane (TCA)	5.0 U	54.6	50.0	109	55.5	50.0	111	74-127	1	30
1,1,2,2-Tetrachloroethane	5.0 U	46.0	50.0	92	44.6	50.0	89	72-122	3	30
1,1,2-Trichloroethane	5.0 U	50.4	50.0	101	49.8	50.0	100	82-121	1	30
1,1-Dichloroethane (1,1-DCA)	5.0 U	54.7	50.0	109	55.3	50.0	111	74-132	<1	30
1,1-Dichloroethene (1,1-DCE)	5.0 U	52.0	50.0	104	53.1	50.0	106	71-118	2	30
1,2-Dichloroethane	5.0 U	50.8	50.0	102	50.6	50.0	101	68-130	<1	30
1,2-Dichloropropane	5.0 U	49.8	50.0	100	50.6	50.0	101	79-124	2	30
2-Butanone (MEK)	10 U	50.6	50.0	101	50.3	50.0	101	61-137	<1	30
2-Hexanone	10 U	50.0	50.0	100	50.3	50.0	101	56-132	<1	30
4-Methyl-2-pentanone	10 U	51.0	50.0	102	53.1	50.0	106	60-141	4	30
Acetone	10 U	49.0	50.0	98	49.5	50.0	99	35-183	1	30
Benzene	5.0 U	53.6	50.0	107	53.9	50.0	108	76-129	<1	30
Bromodichloromethane	5.0 U	50.2	50.0	100	50.2	50.0	100	78-133	<1	30
Bromoform	5.0 U	47.0	50.0	94	48.0	50.0	96	58-133	2	30
Bromomethane	5.0 U	48.4	50.0	97	50.9	50.0	102	10-184	5	30
Carbon Disulfide	10 U	47.3	50.0	95	47.8	50.0	96	59-140	1	30
Carbon Tetrachloride	5.0 U	50.3	50.0	101	51.3	50.0	103	65-135	2	30
Chlorobenzene	5.0 U	48.8	50.0	98	48.6	50.0	97	76-125	<1	30
Chloroethane	5.0 U	40.3	50.0	81	41.0	50.0	82	48-146	2	30
Chloroform	5.0 U	53.9	50.0	108	53.3	50.0	107	75-130	1	30
Chloromethane	5.0 U	56.2	50.0	112	59.2	50.0	118	55-160	5	30
Dibromochloromethane	5.0 U	49.5	50.0	99	49.1	50.0	98	72-128	<1	30
Dichloromethane	5.0 U	51.8	50.0	104	52.5	50.0	105	73-122	1	30
Ethylbenzene	5.0 U	50.8	50.0	102	49.8	50.0	100	72-134	2	30
Styrene	5.0 U	49.9	50.0	100	50.3	50.0	101	74-136	<1	30
Tetrachloroethene (PCE)	5.0 U	50.0	50.0	100	50.8	50.0	102	72-125	2	30
Toluene	5.0 U	52.6	50.0	105	53.0	50.0	106	79-119	<1	30
Trichloroethene (TCE)	5.0 U	52.0	50.0	104	51.9	50.0	104	74-122	<1	30
Vinyl Chloride	5.0 U	51.2	50.0	102	52.2	50.0	104	74-159	2	30
cis-1,2-Dichloroethene	5.0 U	52.7	50.0	105	51.9	50.0	104	77-127	1	30
cis-1,3-Dichloropropene	5.0 U	48.3	50.0	97	48.4	50.0	97	52-134	<1	30
m,p-Xylenes	5.0 U	102	100	102	102	100	102	80-126	<1	30
o-Xylene	5.0 U	52.0	50.0	104	51.8	50.0	104	79-123	<1	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Matrix Spike and Matrix Spike Duplicate Data is presented for information purposes only. The matrix may or may not be relevant to samples reported in this report. The laboratory evaluates system performance based on the LCS and LCSD control limits.

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2404779
Project:	RTP/190500390.465	**Date Collected:**	06/04/24
Sample Matrix:	Water	**Date Received:**	06/04/24
		Date Analyzed:	06/5/24
		Date Extracted:	NA

Duplicate Matrix Spike Summary
Volatile Organic Compounds by GC/MS

Sample Name:	RTP-PDW109-GW	**Units:**	ug/L
Lab Code:	R2404779-001	**Basis:**	NA
Analysis Method:	8260C		
Prep Method:	EPA 5030C		

		Matrix Spike RQ2406335-08			**Duplicate Matrix Spike** RQ2406335-09					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
trans-1,2-Dichloroethene	5.0 U	50.6	50.0	101	51.0	50.0	102	73-118	<1	30
trans-1,3-Dichloropropene	5.0 U	49.6	50.0	99	49.4	50.0	99	71-133	<1	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Matrix Spike and Matrix Spike Duplicate Data is presented for information purposes only. The matrix may or may not be relevant to samples reported in this report. The laboratory evaluates system performance based on the LCS and LCSD control limits.

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2404779
Project:	RTP/190500390.465	**Date Analyzed:**	06/05/24 12:22
Sample Matrix:	Water	**Date Extracted:**	

Method Blank Summary
Volatile Organic Compounds by GC/MS

Sample Name: Method Blank **Instrument ID:** R-MS-10
Lab Code: RQ2406335-07 **File ID:** I:\ACQUDATA\msvoa10\data\060524\D6286.D\

Analysis Method: 8260C **Analysis Lot:** 843076
Prep Method: EPA 5030C

This Method Blank applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Lab Control Sample	RQ2406335-04	I:\ACQUDATA\msvoa10\data\060524\D6283.D\	06/05/24 10:52
Trip Blank	R2404779-003	I:\ACQUDATA\msvoa10\data\060524\D6287.D\	06/05/24 12:54
RTP-PDW109-GW	R2404779-001	I:\ACQUDATA\msvoa10\data\060524\D6288.D\	06/05/24 13:17
TRP-DUP-GW	R2404779-002	I:\ACQUDATA\msvoa10\data\060524\D6289.D\	06/05/24 13:40
RTP-PDW109-GWMS	RQ2406335-08	I:\ACQUDATA\msvoa10\data\060524\D6290.D\	06/05/24 14:02
RTP-PDW109-GWDMS	RQ2406335-09	I:\ACQUDATA\msvoa10\data\060524\D6291.D\	06/05/24 14:25

Analytical Report

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2404779
Project:	RTP/190500390.465	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2406335-07	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	06/05/24 12:22	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	06/05/24 12:22	
1,1,2-Trichloroethane	5.0 U	5.0	1	06/05/24 12:22	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	06/05/24 12:22	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	06/05/24 12:22	
1,2-Dichloroethane	5.0 U	5.0	1	06/05/24 12:22	
1,2-Dichloropropane	5.0 U	5.0	1	06/05/24 12:22	
2-Butanone (MEK)	10 U	10	1	06/05/24 12:22	
2-Hexanone	10 U	10	1	06/05/24 12:22	
4-Methyl-2-pentanone	10 U	10	1	06/05/24 12:22	
Acetone	10 U	10	1	06/05/24 12:22	
Benzene	5.0 U	5.0	1	06/05/24 12:22	
Bromodichloromethane	5.0 U	5.0	1	06/05/24 12:22	
Bromoform	5.0 U	5.0	1	06/05/24 12:22	
Bromomethane	5.0 U	5.0	1	06/05/24 12:22	
Carbon Disulfide	10 U	10	1	06/05/24 12:22	
Carbon Tetrachloride	5.0 U	5.0	1	06/05/24 12:22	
Chlorobenzene	5.0 U	5.0	1	06/05/24 12:22	
Chloroethane	5.0 U	5.0	1	06/05/24 12:22	
Chloroform	5.0 U	5.0	1	06/05/24 12:22	
Chloromethane	5.0 U	5.0	1	06/05/24 12:22	
Dibromochloromethane	5.0 U	5.0	1	06/05/24 12:22	
Dichloromethane	5.0 U	5.0	1	06/05/24 12:22	
Ethylbenzene	5.0 U	5.0	1	06/05/24 12:22	
Styrene	5.0 U	5.0	1	06/05/24 12:22	
Tetrachloroethene (PCE)	5.0 U	5.0	1	06/05/24 12:22	
Toluene	5.0 U	5.0	1	06/05/24 12:22	
Trichloroethene (TCE)	5.0 U	5.0	1	06/05/24 12:22	
Vinyl Chloride	5.0 U	5.0	1	06/05/24 12:22	
cis-1,2-Dichloroethene	5.0 U	5.0	1	06/05/24 12:22	
cis-1,3-Dichloropropene	5.0 U	5.0	1	06/05/24 12:22	
m,p-Xylenes	5.0 U	5.0	1	06/05/24 12:22	
o-Xylene	5.0 U	5.0	1	06/05/24 12:22	
trans-1,2-Dichloroethene	5.0 U	5.0	1	06/05/24 12:22	
trans-1,3-Dichloropropene	5.0 U	5.0	1	06/05/24 12:22	

Analytical Report

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2404779
Project:	RTP/190500390.465	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2406335-07	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	85 - 122	06/05/24 12:22	
Dibromofluoromethane	97	80 - 116	06/05/24 12:22	
Toluene-d8	98	87 - 121	06/05/24 12:22	

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2404779
Project:	RTP/190500390.465	**Date Analyzed:**	06/05/24 10:52
Sample Matrix:	Water	**Date Extracted:**	

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Sample Name: Lab Control Sample
Lab Code: RQ2406335-04
Instrument ID: R-MS-10
File ID: I:\ACQUDATA\msvoa10\data\060524\D6283.D\

Analysis Method: 8260C
Prep Method: EPA 5030C
Analysis Lot: 843076

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Method Blank	RQ2406335-07	I:\ACQUDATA\msvoa10\data\060524\D6286.D\	06/05/24 12:22
Trip Blank	R2404779-003	I:\ACQUDATA\msvoa10\data\060524\D6287.D\	06/05/24 12:54
RTP-PDW109-GW	R2404779-001	I:\ACQUDATA\msvoa10\data\060524\D6288.D\	06/05/24 13:17
TRP-DUP-GW	R2404779-002	I:\ACQUDATA\msvoa10\data\060524\D6289.D\	06/05/24 13:40
RTP-PDW109-GWMS	RQ2406335-08	I:\ACQUDATA\msvoa10\data\060524\D6290.D\	06/05/24 14:02
RTP-PDW109-GWDMS	RQ2406335-09	I:\ACQUDATA\msvoa10\data\060524\D6291.D\	06/05/24 14:25

Client: Stantec Consulting Group, Inc.
Project: RTP/190500390.465
Sample Matrix: Water

Service Request: R2404779
Date Analyzed: 06/05/24

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ2406335-04

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
1,1,1-Trichloroethane (TCA)	8260C	21.5	20.0	108	75-125
1,1,2,2-Tetrachloroethane	8260C	19.4	20.0	97	78-126
1,1,2-Trichloroethane	8260C	21.1	20.0	105	82-121
1,1-Dichloroethane (1,1-DCA)	8260C	22.2	20.0	111	80-124
1,1-Dichloroethene (1,1-DCE)	8260C	20.4	20.0	102	69-142
1,2-Dichloroethane	8260C	21.4	20.0	107	71-127
1,2-Dichloropropane	8260C	20.6	20.0	103	80-119
2-Butanone (MEK)	8260C	20.1	20.0	100	61-137
2-Hexanone	8260C	19.7	20.0	98	63-124
4-Methyl-2-pentanone	8260C	19.8	20.0	99	66-124
Acetone	8260C	19.3	20.0	96	40-161
Benzene	8260C	21.7	20.0	109	79-119
Bromodichloromethane	8260C	20.9	20.0	104	81-123
Bromoform	8260C	20.8	20.0	104	65-146
Bromomethane	8260C	21.6	20.0	108	42-166
Carbon Disulfide	8260C	19.3	20.0	97	66-128
Carbon Tetrachloride	8260C	19.8	20.0	99	70-127
Chlorobenzene	8260C	20.6	20.0	103	80-121
Chloroethane	8260C	15.7	20.0	78	62-131
Chloroform	8260C	21.8	20.0	109	79-120
Chloromethane	8260C	23.0	20.0	115	72-179
Dibromochloromethane	8260C	20.3	20.0	102	72-128
Dichloromethane	8260C	22.0	20.0	110	73-122
Ethylbenzene	8260C	20.3	20.0	101	76-120
Styrene	8260C	21.0	20.0	105	80-124
Tetrachloroethene (PCE)	8260C	20.9	20.0	104	72-125
Toluene	8260C	21.7	20.0	109	79-119
Trichloroethene (TCE)	8260C	21.3	20.0	106	74-122
Vinyl Chloride	8260C	20.3	20.0	101	74-159
cis-1,2-Dichloroethene	8260C	21.7	20.0	108	80-121
cis-1,3-Dichloropropene	8260C	20.7	20.0	103	77-122
m,p-Xylenes	8260C	41.6	40.0	104	80-126
o-Xylene	8260C	21.3	20.0	107	79-123

Client: Stantec Consulting Group, Inc.
Project: RTP/190500390.465
Sample Matrix: Water

Service Request: R2404779
Date Analyzed: 06/05/24

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ2406335-04

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
trans-1,2-Dichloroethene	8260C	20.4	20.0	102	73-118
trans-1,3-Dichloropropene	8260C	23.1	20.0	116	71-133

Client: Stantec Consulting Group, Inc. **Service Request:**R2404779
Project: RTP/190500390.465 **Date Analyzed:**06/05/24 09:22

Tune Summary
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\msvoa10\data\060524\D6280.D\ **Analytical Method:** 8260C
Instrument ID: R-MS-10 **Analysis Lot:** 843076

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Result Pass/Fail
50	95	15	40	25.4	32627	Pass
75	95	30	60	51.5	66104	Pass
95	95	100	100	100.0	128352	Pass
96	95	5	9	6.7	8592	Pass
173	174	0	2	0.3	290	Pass
174	95	50	120	84.8	108779	Pass
175	174	5	9	7.7	8370	Pass
176	174	95	101	96.1	104483	Pass
177	176	5	9	6.6	6874	Pass

Sample Name	Lab Code	File ID:	Date Analyzed:	Q
Continuing Calibration Verification	RQ2406335-02	I:\ACQUDATA\msvoa10\data\060524\D6281.D\	06/05/24 09:55	
Lab Control Sample	RQ2406335-04	I:\ACQUDATA\msvoa10\data\060524\D6283.D\	06/05/24 10:52	
Method Blank	RQ2406335-07	I:\ACQUDATA\msvoa10\data\060524\D6286.D\	06/05/24 12:22	
Trip Blank	R2404779-003	I:\ACQUDATA\msvoa10\data\060524\D6287.D\	06/05/24 12:54	
RTP-PDW109-GW	R2404779-001	I:\ACQUDATA\msvoa10\data\060524\D6288.D\	06/05/24 13:17	
TRP-DUP-GW	R2404779-002	I:\ACQUDATA\msvoa10\data\060524\D6289.D\	06/05/24 13:40	
RTP-PDW109-GW	RQ2406335-08	I:\ACQUDATA\msvoa10\data\060524\D6290.D\	06/05/24 14:02	
RTP-PDW109-GW	RQ2406335-09	I:\ACQUDATA\msvoa10\data\060524\D6291.D\	06/05/24 14:25	

Client: Stantec Consulting Group, Inc. **Service Request:**R2404779
Project: RTP/190500390.465 **Date Analyzed:**06/05/24 09:55

Internal Standard Area and RT SUMMARY
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\msvoa10\data\060524\D6281.D\ **Lab Code:**RQ2406335-02
Instrument ID: R-MS-10 **Analysis Lot:**843076
Analysis Method: 8260C **Signal ID:**1

		1,4-Dichlorobenzene-d4		1,4-Difluorobenzene		Chlorobenzene-d5	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Result ==>	240,185	12.02	468,347	6.74	422,089	9.98
	Upper Limit ==>	480,370	12.19	936,694	6.91	844,178	10.15
	Lower Limit ==>	120,093	11.85	234,174	6.57	211,045	9.81
Associated Analyses							
Lab Control Sample	RQ2406335-04	208128	12.01	426117	6.74	383606	9.98
Method Blank	RQ2406335-07	205086	12.01	425590	6.74	374464	9.98
Trip Blank	R2404779-003	210451	12.02	442460	6.73	388478	9.98
RTP-PDW109-GW	R2404779-001	207020	12.01	444269	6.73	387355	9.98
TRP-DUP-GW	R2404779-002	210064	12.02	446480	6.74	389396	9.98
RTP-PDW109-GWMS	RQ2406335-08	217296	12.01	447271	6.74	400240	9.98
RTP-PDW109-GWDMS	RQ2406335-09	212458	12.01	424741	6.74	386992	9.98

Client: Stantec Consulting Group, Inc. **Service Request:**R2404779
Project: RTP/190500390.465 **Date Analyzed:**06/05/24 09:55

Internal Standard Area and RT SUMMARY
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\msvoa10\data\060524\D6281.D\ **Lab Code:**RQ2406335-02
Instrument ID: R-MS-10 **Analysis Lot:**843076
Analysis Method: 8260C **Signal ID:**1

		Pentafluorobenzene	
		Area	**RT**
	Result ==>	337,042	5.69
	Upper Limit ==>	674,084	5.86
	Lower Limit ==>	168,521	5.52
Associated Analyses			
Lab Control Sample	RQ2406335-04	306700	5.70
Method Blank	RQ2406335-07	294036	5.69
Trip Blank	R2404779-003	310854	5.69
RTP-PDW109-GW	R2404779-001	317243	5.69
TRP-DUP-GW	R2404779-002	317135	5.70
RTP-PDW109-GWMS	RQ2406335-08	319929	5.70
RTP-PDW109-GWDMS	RQ2406335-09	306671	5.70

Raw Data

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Volatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Analytical Report

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2404779
Project:	RTP/190500390.465	**Date Collected:**	06/04/24 13:30
Sample Matrix:	Water	**Date Received:**	06/04/24 15:30
Sample Name:	RTP-PDW109-GW	**Units:**	ug/L
Lab Code:	R2404779-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	06/05/24 13:17	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	06/05/24 13:17	
1,1,2-Trichloroethane	5.0 U	5.0	1	06/05/24 13:17	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	06/05/24 13:17	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	06/05/24 13:17	
1,2-Dichloroethane	5.0 U	5.0	1	06/05/24 13:17	
1,2-Dichloropropane	5.0 U	5.0	1	06/05/24 13:17	
2-Butanone (MEK)	10 U	10	1	06/05/24 13:17	
2-Hexanone	10 U	10	1	06/05/24 13:17	
4-Methyl-2-pentanone	10 U	10	1	06/05/24 13:17	
Acetone	10 U	10	1	06/05/24 13:17	
Benzene	5.0 U	5.0	1	06/05/24 13:17	
Bromodichloromethane	5.0 U	5.0	1	06/05/24 13:17	
Bromoform	5.0 U	5.0	1	06/05/24 13:17	
Bromomethane	5.0 U	5.0	1	06/05/24 13:17	
Carbon Disulfide	10 U	10	1	06/05/24 13:17	
Carbon Tetrachloride	5.0 U	5.0	1	06/05/24 13:17	
Chlorobenzene	5.0 U	5.0	1	06/05/24 13:17	
Chloroethane	5.0 U	5.0	1	06/05/24 13:17	
Chloroform	5.0 U	5.0	1	06/05/24 13:17	
Chloromethane	5.0 U	5.0	1	06/05/24 13:17	
Dibromochloromethane	5.0 U	5.0	1	06/05/24 13:17	
Dichloromethane	5.0 U	5.0	1	06/05/24 13:17	
Ethylbenzene	5.0 U	5.0	1	06/05/24 13:17	
Styrene	5.0 U	5.0	1	06/05/24 13:17	
Tetrachloroethene (PCE)	5.0 U	5.0	1	06/05/24 13:17	
Toluene	5.0 U	5.0	1	06/05/24 13:17	
Trichloroethene (TCE)	5.0 U	5.0	1	06/05/24 13:17	
Vinyl Chloride	5.0 U	5.0	1	06/05/24 13:17	
cis-1,2-Dichloroethene	5.0 U	5.0	1	06/05/24 13:17	
cis-1,3-Dichloropropene	5.0 U	5.0	1	06/05/24 13:17	
m,p-Xylenes	5.0 U	5.0	1	06/05/24 13:17	
o-Xylene	5.0 U	5.0	1	06/05/24 13:17	
trans-1,2-Dichloroethene	5.0 U	5.0	1	06/05/24 13:17	
trans-1,3-Dichloropropene	5.0 U	5.0	1	06/05/24 13:17	

Analytical Report

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2404779
Project:	RTP/190500390.465	**Date Collected:**	06/04/24 13:30
Sample Matrix:	Water	**Date Received:**	06/04/24 15:30
Sample Name:	RTP-PDW109-GW	**Units:**	ug/L
Lab Code:	R2404779-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	94	85 - 122	06/05/24 13:17	
Dibromofluoromethane	96	80 - 116	06/05/24 13:17	
Toluene-d8	95	87 - 121	06/05/24 13:17	

Analytical Report

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2404779
Project:	RTP/190500390.465	**Date Collected:**	06/04/24 12:00
Sample Matrix:	Water	**Date Received:**	06/04/24 15:30
Sample Name:	TRP-DUP-GW	**Units:**	ug/L
Lab Code:	R2404779-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	06/05/24 13:40	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	06/05/24 13:40	
1,1,2-Trichloroethane	5.0 U	5.0	1	06/05/24 13:40	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	06/05/24 13:40	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	06/05/24 13:40	
1,2-Dichloroethane	5.0 U	5.0	1	06/05/24 13:40	
1,2-Dichloropropane	5.0 U	5.0	1	06/05/24 13:40	
2-Butanone (MEK)	10 U	10	1	06/05/24 13:40	
2-Hexanone	10 U	10	1	06/05/24 13:40	
4-Methyl-2-pentanone	10 U	10	1	06/05/24 13:40	
Acetone	10 U	10	1	06/05/24 13:40	
Benzene	5.0 U	5.0	1	06/05/24 13:40	
Bromodichloromethane	5.0 U	5.0	1	06/05/24 13:40	
Bromoform	5.0 U	5.0	1	06/05/24 13:40	
Bromomethane	5.0 U	5.0	1	06/05/24 13:40	
Carbon Disulfide	10 U	10	1	06/05/24 13:40	
Carbon Tetrachloride	5.0 U	5.0	1	06/05/24 13:40	
Chlorobenzene	5.0 U	5.0	1	06/05/24 13:40	
Chloroethane	5.0 U	5.0	1	06/05/24 13:40	
Chloroform	5.0 U	5.0	1	06/05/24 13:40	
Chloromethane	5.0 U	5.0	1	06/05/24 13:40	
Dibromochloromethane	5.0 U	5.0	1	06/05/24 13:40	
Dichloromethane	5.0 U	5.0	1	06/05/24 13:40	
Ethylbenzene	5.0 U	5.0	1	06/05/24 13:40	
Styrene	5.0 U	5.0	1	06/05/24 13:40	
Tetrachloroethene (PCE)	5.0 U	5.0	1	06/05/24 13:40	
Toluene	5.0 U	5.0	1	06/05/24 13:40	
Trichloroethene (TCE)	5.0 U	5.0	1	06/05/24 13:40	
Vinyl Chloride	5.0 U	5.0	1	06/05/24 13:40	
cis-1,2-Dichloroethene	5.0 U	5.0	1	06/05/24 13:40	
cis-1,3-Dichloropropene	5.0 U	5.0	1	06/05/24 13:40	
m,p-Xylenes	5.0 U	5.0	1	06/05/24 13:40	
o-Xylene	5.0 U	5.0	1	06/05/24 13:40	
trans-1,2-Dichloroethene	5.0 U	5.0	1	06/05/24 13:40	
trans-1,3-Dichloropropene	5.0 U	5.0	1	06/05/24 13:40	

Analytical Report

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2404779
Project:	RTP/190500390.465	**Date Collected:**	06/04/24 12:00
Sample Matrix:	Water	**Date Received:**	06/04/24 15:30
Sample Name:	TRP-DUP-GW	**Units:**	ug/L
Lab Code:	R2404779-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	85 - 122	06/05/24 13:40	
Dibromofluoromethane	97	80 - 116	06/05/24 13:40	
Toluene-d8	97	87 - 121	06/05/24 13:40	

Analytical Report

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2404779
Project:	RTP/190500390.465	**Date Collected:**	06/04/24
Sample Matrix:	Water	**Date Received:**	06/04/24 15:30
Sample Name:	Trip Blank	**Units:**	ug/L
Lab Code:	R2404779-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	06/05/24 12:54	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	06/05/24 12:54	
1,1,2-Trichloroethane	5.0 U	5.0	1	06/05/24 12:54	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	06/05/24 12:54	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	06/05/24 12:54	
1,2-Dichloroethane	5.0 U	5.0	1	06/05/24 12:54	
1,2-Dichloropropane	5.0 U	5.0	1	06/05/24 12:54	
2-Butanone (MEK)	10 U	10	1	06/05/24 12:54	
2-Hexanone	10 U	10	1	06/05/24 12:54	
4-Methyl-2-pentanone	10 U	10	1	06/05/24 12:54	
Acetone	10 U	10	1	06/05/24 12:54	
Benzene	5.0 U	5.0	1	06/05/24 12:54	
Bromodichloromethane	5.0 U	5.0	1	06/05/24 12:54	
Bromoform	5.0 U	5.0	1	06/05/24 12:54	
Bromomethane	5.0 U	5.0	1	06/05/24 12:54	
Carbon Disulfide	10 U	10	1	06/05/24 12:54	
Carbon Tetrachloride	5.0 U	5.0	1	06/05/24 12:54	
Chlorobenzene	5.0 U	5.0	1	06/05/24 12:54	
Chloroethane	5.0 U	5.0	1	06/05/24 12:54	
Chloroform	5.0 U	5.0	1	06/05/24 12:54	
Chloromethane	5.0 U	5.0	1	06/05/24 12:54	
Dibromochloromethane	5.0 U	5.0	1	06/05/24 12:54	
Dichloromethane	5.0 U	5.0	1	06/05/24 12:54	
Ethylbenzene	5.0 U	5.0	1	06/05/24 12:54	
Styrene	5.0 U	5.0	1	06/05/24 12:54	
Tetrachloroethene (PCE)	5.0 U	5.0	1	06/05/24 12:54	
Toluene	5.0 U	5.0	1	06/05/24 12:54	
Trichloroethene (TCE)	5.0 U	5.0	1	06/05/24 12:54	
Vinyl Chloride	5.0 U	5.0	1	06/05/24 12:54	
cis-1,2-Dichloroethene	5.0 U	5.0	1	06/05/24 12:54	
cis-1,3-Dichloropropene	5.0 U	5.0	1	06/05/24 12:54	
m,p-Xylenes	5.0 U	5.0	1	06/05/24 12:54	
o-Xylene	5.0 U	5.0	1	06/05/24 12:54	
trans-1,2-Dichloroethene	5.0 U	5.0	1	06/05/24 12:54	
trans-1,3-Dichloropropene	5.0 U	5.0	1	06/05/24 12:54	

Analytical Report

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2404779
Project:	RTP/190500390.465	**Date Collected:**	06/04/24
Sample Matrix:	Water	**Date Received:**	06/04/24 15:30
Sample Name:	Trip Blank	**Units:**	ug/L
Lab Code:	R2404779-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

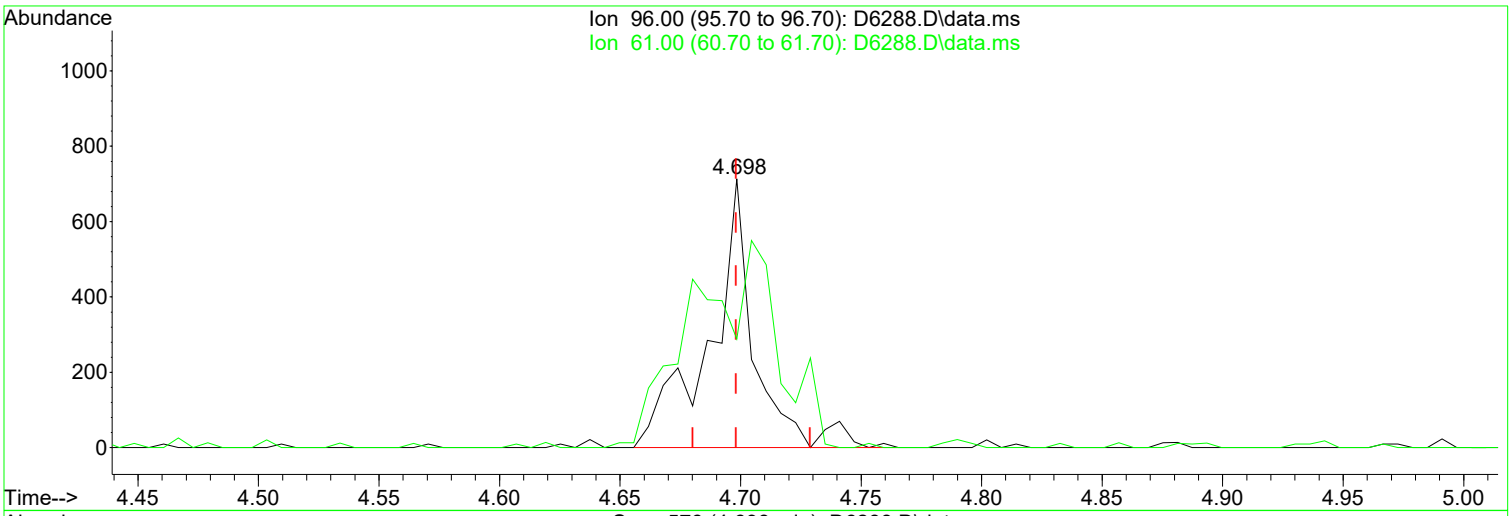
Analysis Method: 8260C
Prep Method: EPA 5030C

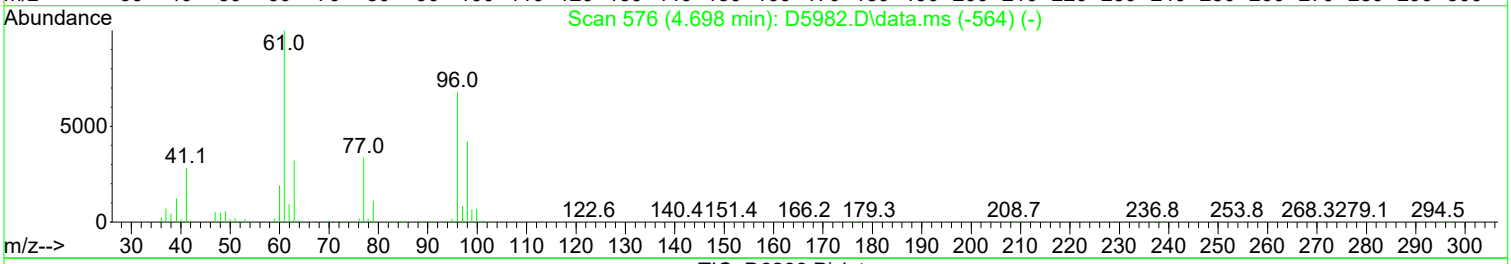
Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	85 - 122	06/05/24 12:54	
Dibromofluoromethane	97	80 - 116	06/05/24 12:54	
Toluene-d8	98	87 - 121	06/05/24 12:54	

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\060524\
Data File : D6288.D
Acq On : 05 Jun 2024 01:17 pm
Operator : F.NAEGLER
Sample : R2404779-001
Misc : SCG 6368 T4
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 05 13:32:58 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 29 09:21:22 2024
Response via : Initial Calibration





TIC: D6288.D\data.ms

(34) cis-1,2-Dichloroethene (P)

4.698min (+ 0.000) 0.33 ug/L m

response 917

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	148.40	40.34#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

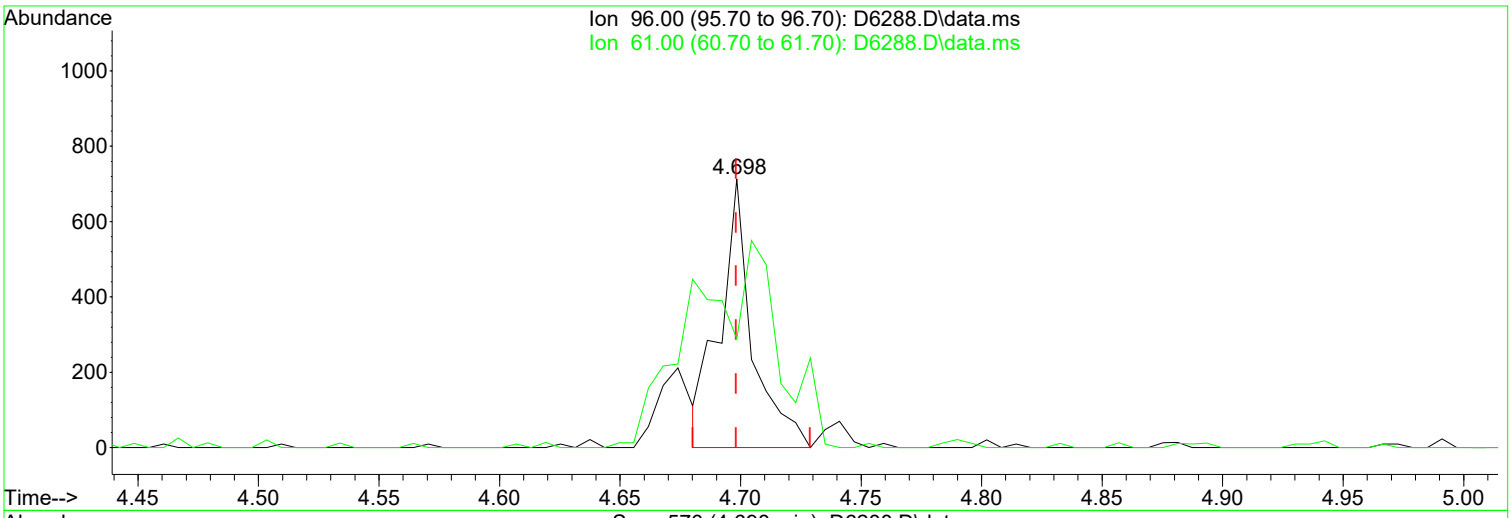
Poor integration.

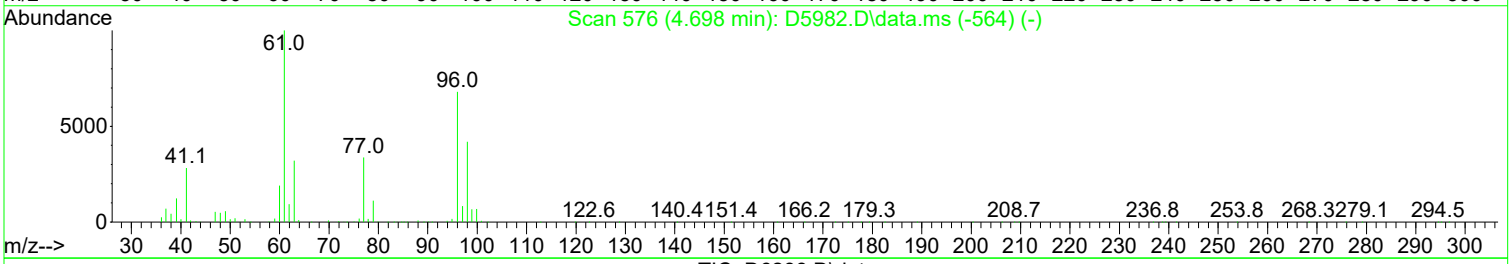
06/05/24

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\060524\
Data File : D6288.D
Acq On : 05 Jun 2024 01:17 pm
Operator : F.NAEGLER
Sample : R2404779-001
Misc : SCG 6368 T4
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 05 13:32:58 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 29 09:21:22 2024
Response via : Initial Calibration





TIC: D6288.D\data.ms

(34) cis-1,2-Dichloroethene (P)

4.698min (+ 0.000) 0.24 ug/L

response 665

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	148.40	40.34#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

06/05/24

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\060524\
Data File : D6288.D
Acq On : 05 Jun 2024 01:17 pm
Operator : F.NAEGLER
Sample : R2404779-001
Misc : SCG 6368 T4
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 05 13:32:58 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 29 09:21:22 2024
Response via : Initial Calibration

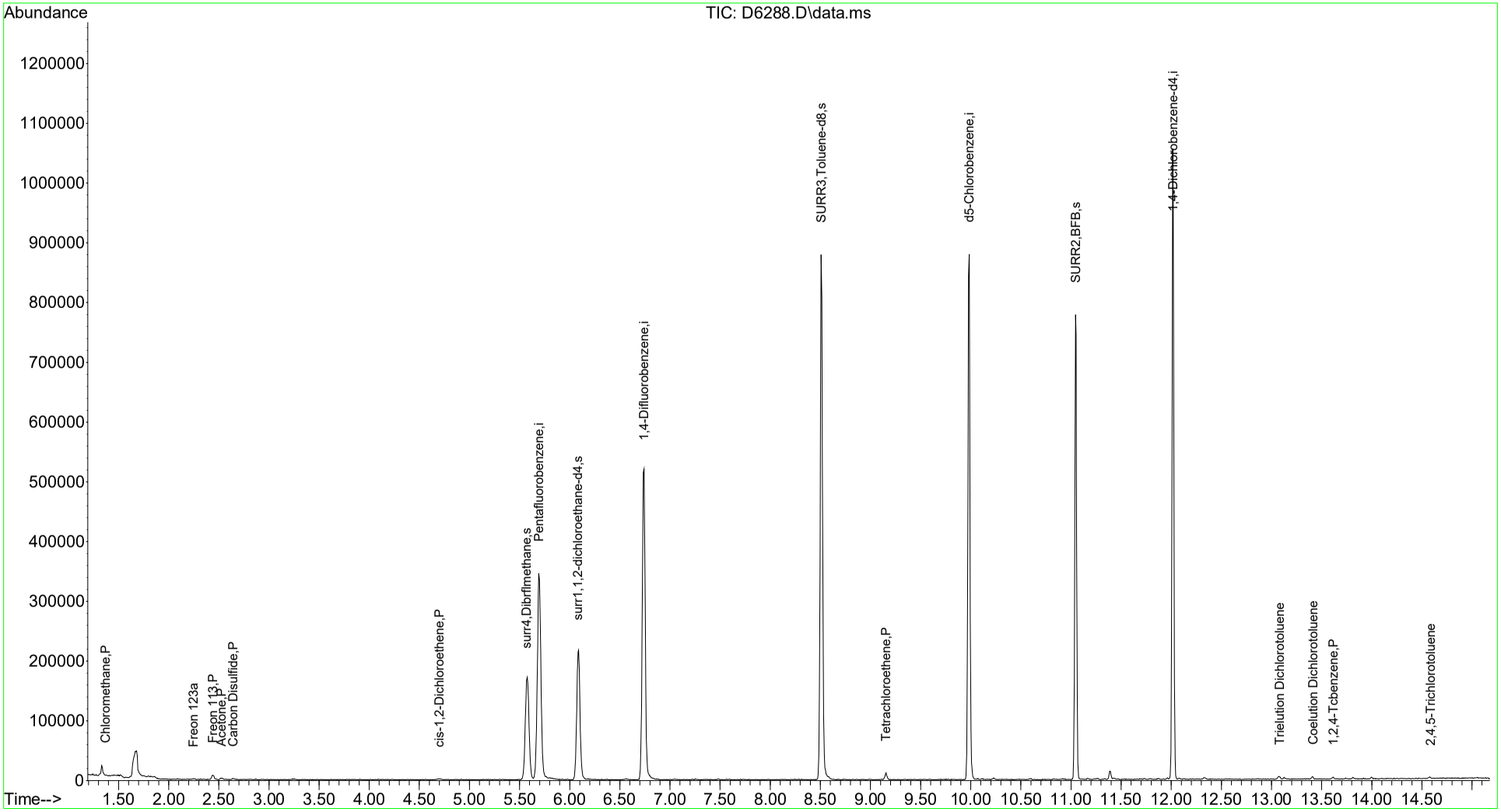
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.692	168	317243	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	6.735	114	444269	50.00	ug/L	0.00
71) d5-Chlorobenzene	9.984	117	387355	50.00	ug/L	0.00
91) 1,4-Dichlorobenzene-d4	12.014	152	207020	50.00	ug/L	0.00
System Monitoring Compounds						
44) surr4,Dibrflmethane	5.570	113	131609	47.90	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 95.80%			
47) surr1,1,2-dichloroetha...	6.082	65	173397	50.75	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 101.50%			
65) SURR3,Toluene-d8	8.509	98	508237	47.62	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 95.24%			
70) SURR2,BFB	11.045	95	188479	47.03	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 94.06%			
Target Compounds						Qvalue
4) Chloromethane	1.370	50	1194	0.285	ug/L	77
6) Bromomethane	1.699	94	476	Below Cal	#	63
11) Freon 123a	2.248	67	816	0.288	ug/L #	24
15) Freon 113	2.437	101	2638	1.195	ug/L #	64
16) Acetone	2.528	43	2766	1.446	ug/L	80
19) Carbon Disulfide	2.644	76	1564	0.224	ug/L	92
34) cis-1,2-Dichloroethene	4.698	96	917m	0.333	ug/L	
72) Tetrachloroethene	9.155	164	2130	1.015	ug/L #	91
112) Trielution Dichlorotol...	13.081	125	2016	0.431	ug/L #	72
114) Coelution Dichlorotoluene	13.410	125	1178	0.225	ug/L	83
115) 1,2,4-Tcbenzene	13.611	180	943	0.218	ug/L	89
119) 2,4,5-Trichlorotoluene	14.587	159	766	0.289	ug/L #	65

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

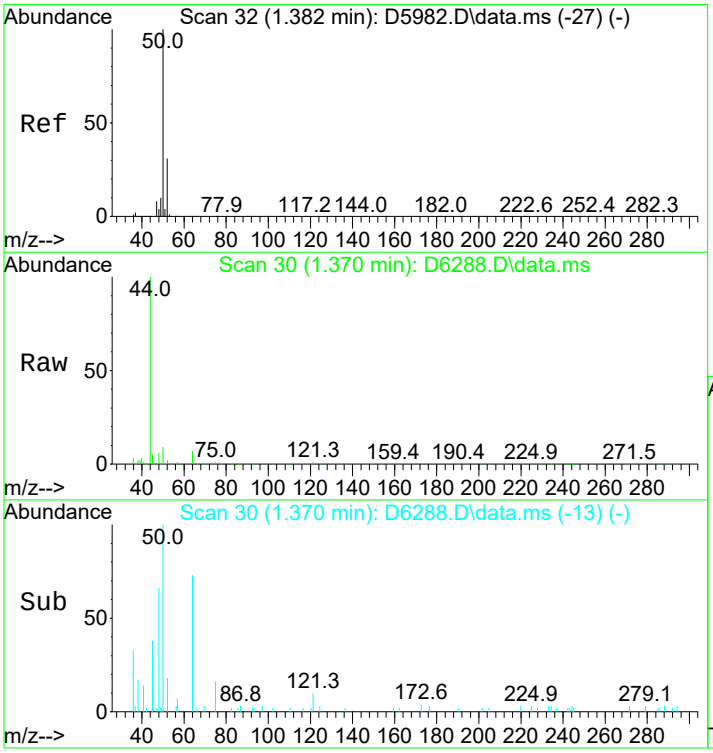
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\060524\
Data File : D6288.D
Acq On : 05 Jun 2024 01:17 pm
Operator : F.NAEGLER
Sample : R2404779-001
Misc : SCG 6368 T4
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 05 13:32:58 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 29 09:21:22 2024
Response via : Initial Calibration



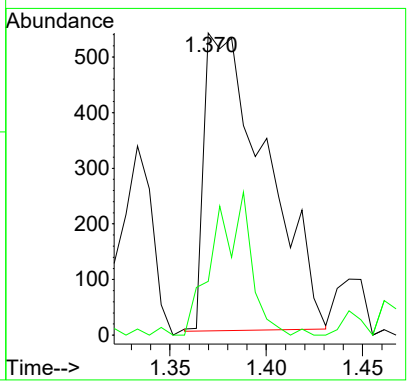
1st FJ 06/05/24

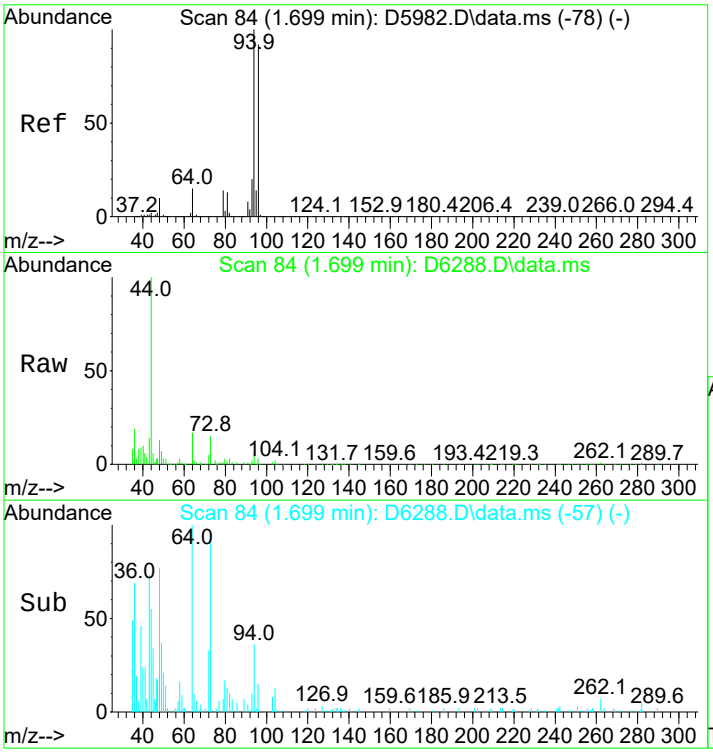


#4
Chloromethane
Concen: 0.28 ug/L
RT: 1.370 min Scan# 30
Delta R.T. -0.012 min
Lab File: D6288.D
Acq: 05 Jun 2024 01:17 pm

Tgt Ion: 50 Resp: 1194

Ion	Ratio	Lower	Upper
50	100		
52	17.9	10.6	50.6

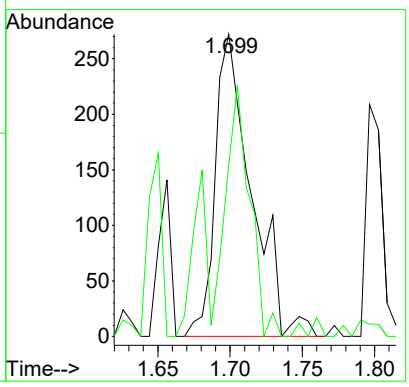


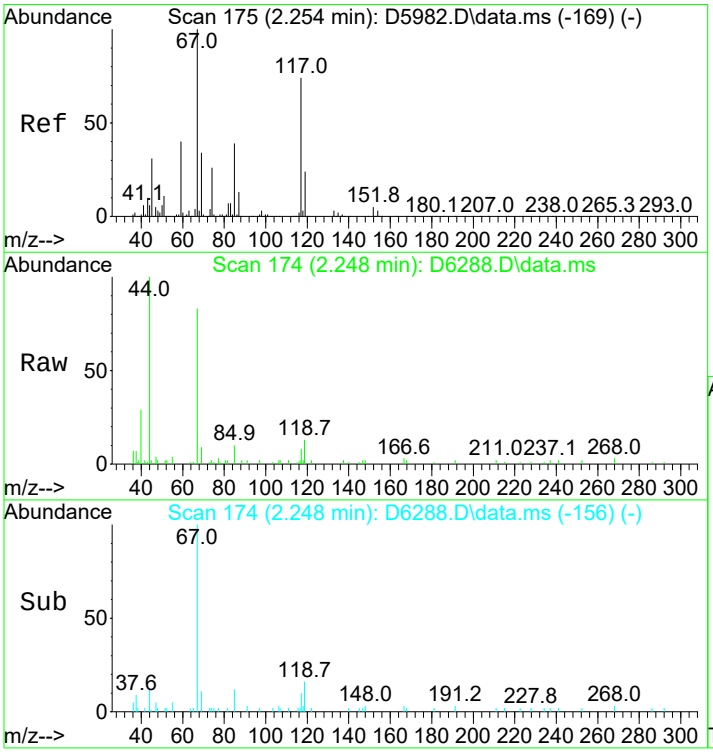


#6
Bromomethane
Concen: Below Cal
RT: 1.699 min Scan# 84
Delta R.T. 0.001 min
Lab File: D6288.D
Acq: 05 Jun 2024 01:17 pm

Tgt Ion: 94 Resp: 476

Ion	Ratio	Lower	Upper
94	100		
96	56.6	71.6	111.6#

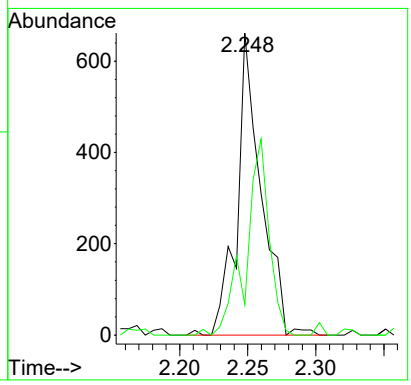


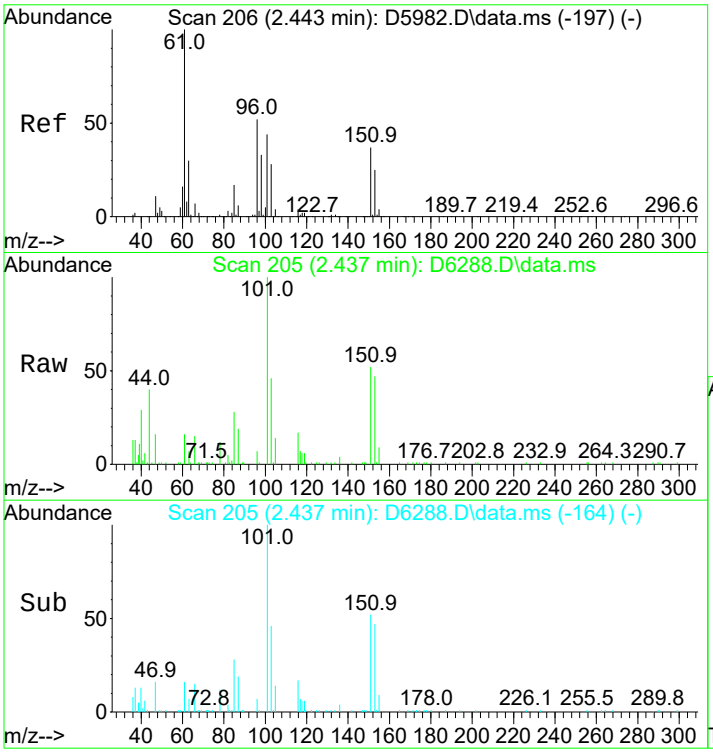


#11
Freon 123a
Concen: 0.29 ug/L
RT: 2.248 min Scan# 174
Delta R.T. -0.006 min
Lab File: D6288.D
Acq: 05 Jun 2024 01:17 pm

Tgt Ion: 67 Resp: 816

Ion	Ratio	Lower	Upper
67	100		
117	10.0	54.2	94.2#

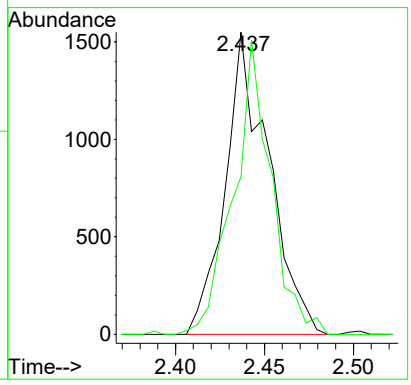


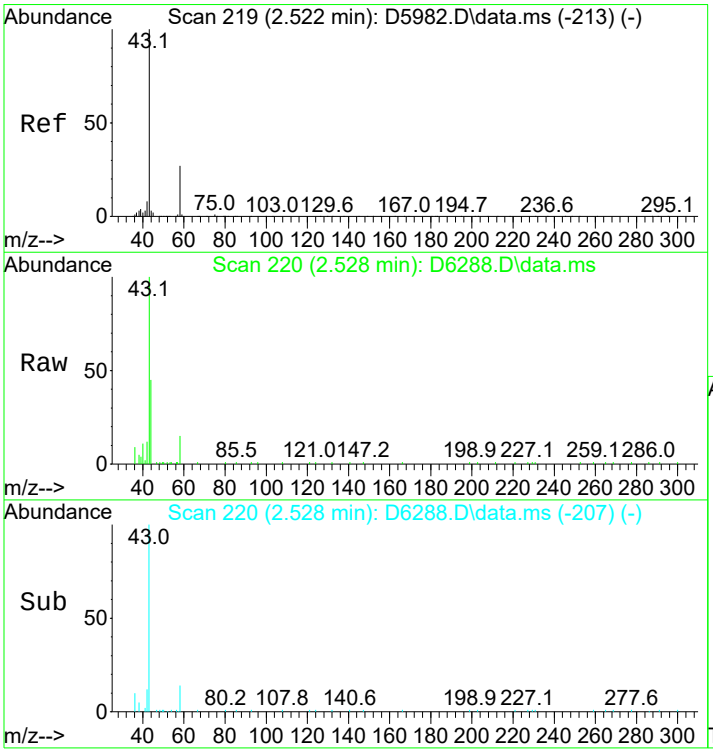


#15
Freon 113
Concen: 1.20 ug/L
RT: 2.437 min Scan# 205
Delta R.T. -0.006 min
Lab File: D6288.D
Acq: 05 Jun 2024 01:17 pm

Tgt Ion:101 Resp: 2638

Ion	Ratio	Lower	Upper
101	100		
151	52.2	65.4	105.4#

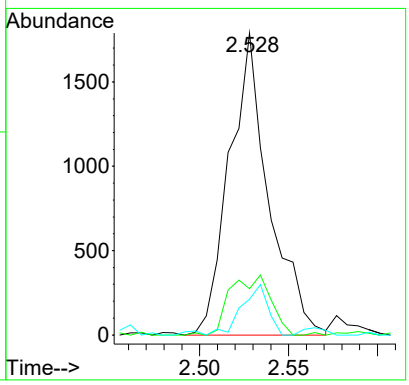


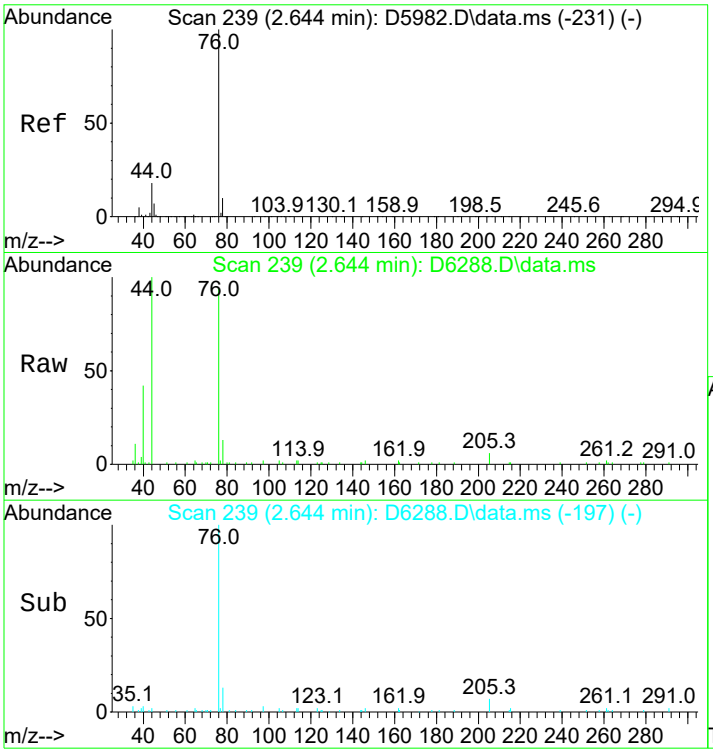


#16
Acetone
Concen: 1.45 ug/L
RT: 2.528 min Scan# 220
Delta R.T. 0.006 min
Lab File: D6288.D
Acq: 05 Jun 2024 01:17 pm

Tgt Ion: 43 Resp: 2766

Ion	Ratio	Lower	Upper
43	100		
58	15.3	7.0	47.0
42	11.8	0.0	27.7

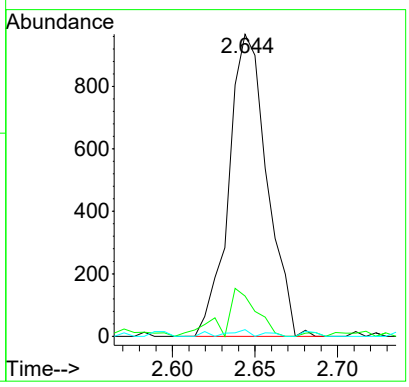


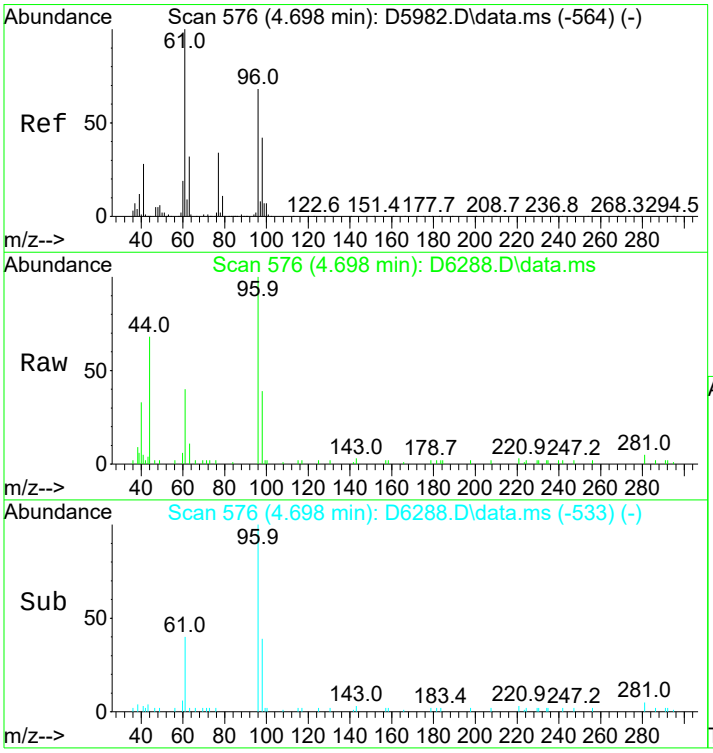


#19
Carbon Disulfide
Concen: 0.22 ug/L
RT: 2.644 min Scan# 239
Delta R.T. 0.000 min
Lab File: D6288.D
Acq: 05 Jun 2024 01:17 pm

Tgt Ion: 76 Resp: 1564

Ion	Ratio	Lower	Upper
76	100		
78	13.3	0.0	29.9
77	2.2	0.0	22.5

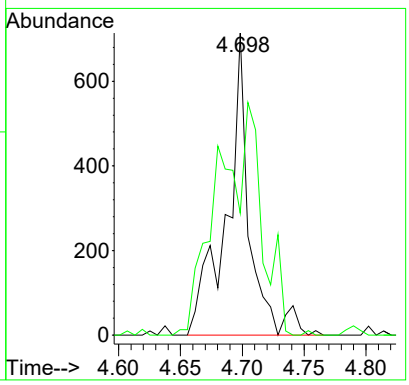


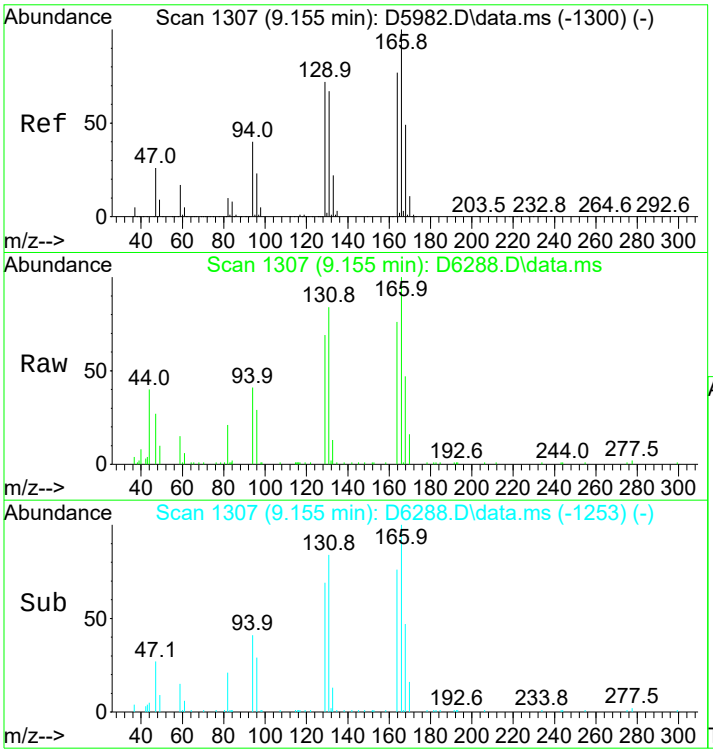


#34
cis-1,2-Dichloroethene
Concen: 0.33 ug/L m
RT: 4.698 min Scan# 576
Delta R.T. 0.000 min
Lab File: D6288.D
Acq: 05 Jun 2024 01:17 pm

Tgt Ion: 96 Resp: 917

Ion	Ratio	Lower	Upper
96	100		
61	40.3	128.4	168.4#

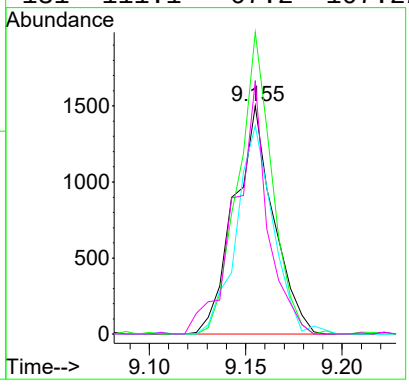


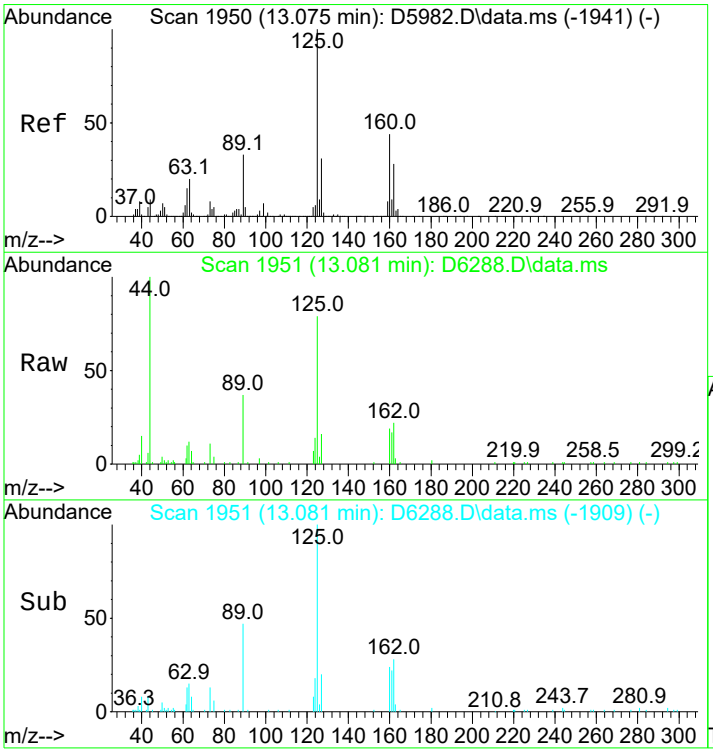


#72
Tetrachloroethene
Concen: 1.02 ug/L
RT: 9.155 min Scan# 1307
Delta R.T. 0.000 min
Lab File: D6288.D
Acq: 05 Jun 2024 01:17 pm

Tgt Ion:164 Resp: 2130

Ion	Ratio	Lower	Upper
164	100		
166	132.3	110.0	150.0
129	91.3	73.1	113.1
131	111.1	67.2	107.2#

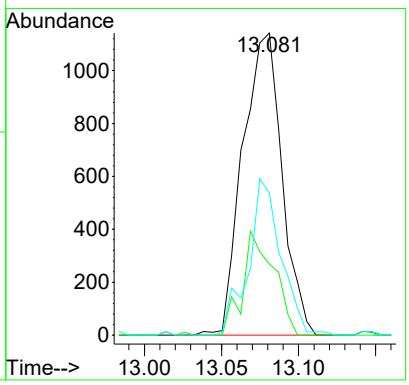


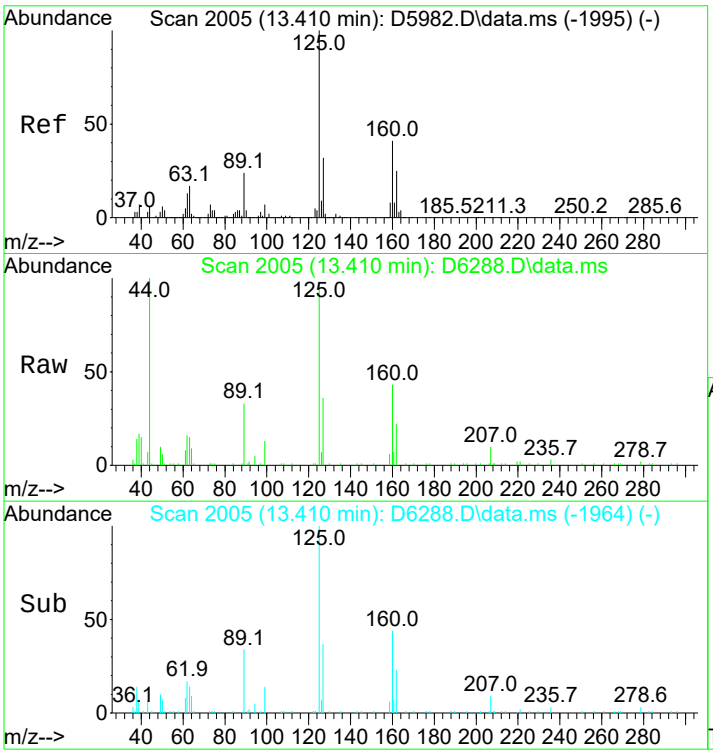


#112
Trielution Dichlorotoluene
Concen: 0.43 ug/L
RT: 13.081 min Scan# 1951
Delta R.T. 0.006 min
Lab File: D6288.D
Acq: 05 Jun 2024 01:17 pm

Tgt Ion:125 Resp: 2016

Ion	Ratio	Lower	Upper
125	100		
160	23.6	23.7	63.7#
89	47.0	13.1	53.1

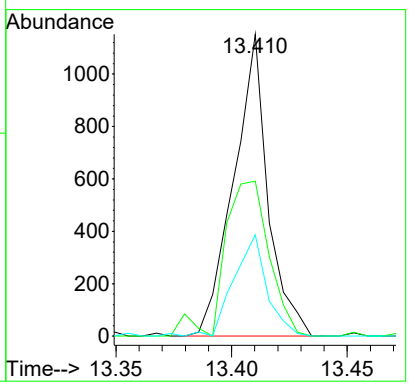


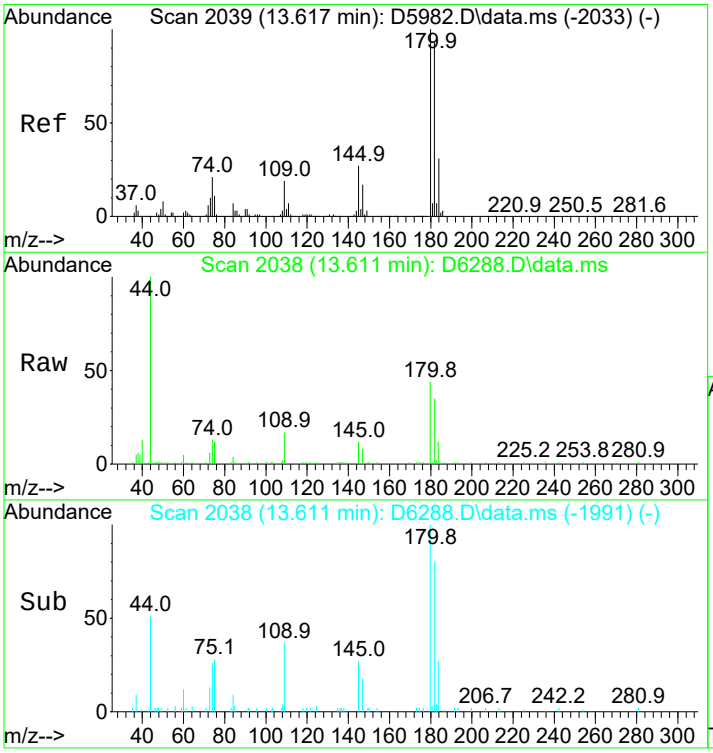


#114
Coelution Dichlorotoluene
Concen: 0.22 ug/L
RT: 13.410 min Scan# 2005
Delta R.T. 0.000 min
Lab File: D6288.D
Acq: 05 Jun 2024 01:17 pm

Tgt Ion:125 Resp: 1178

Ion	Ratio	Lower	Upper
125	100		
160	51.4	21.3	61.3
89	33.5	4.3	44.3

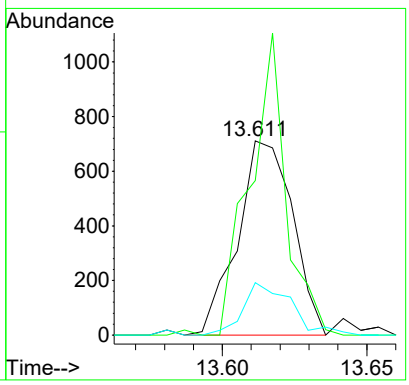


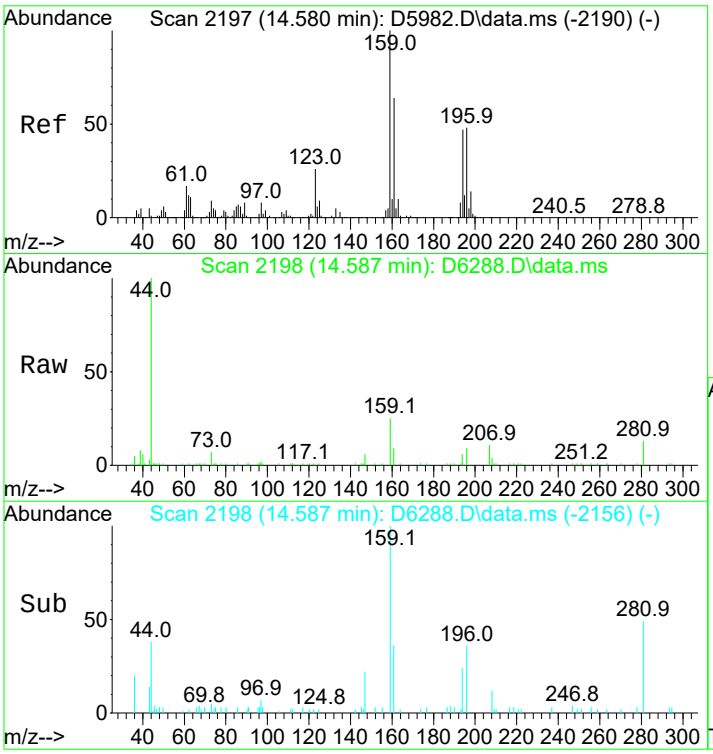


#115
1,2,4-Tcbenzene
Concen: 0.22 ug/L
RT: 13.611 min Scan# 2038
Delta R.T. -0.006 min
Lab File: D6288.D
Acq: 05 Jun 2024 01:17 pm

Tgt Ion:180 Resp: 943

Ion	Ratio	Lower	Upper
180	100		
182	79.6	72.8	112.8
145	27.0	6.7	46.7

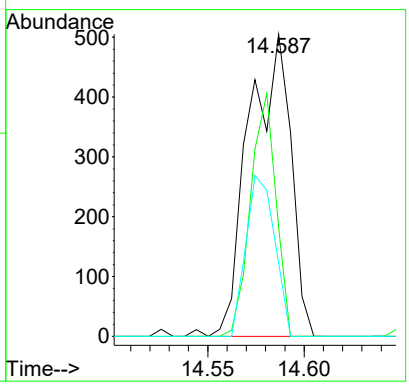




#119
2,4,5-Trichlorotoluene
Concen: 0.29 ug/L
RT: 14.587 min Scan# 2198
Delta R.T. 0.006 min
Lab File: D6288.D
Acq: 05 Jun 2024 01:17 pm

Tgt Ion:159 Resp: 766

Ion	Ratio	Lower	Upper
159	100		
161	36.0	43.5	83.5#
194	24.4	27.1	67.1#



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\060524\
Data File : D6289.D
Acq On : 05 Jun 2024 01:40 pm
Operator : F.NAEGLER
Sample : R2404779-002
Misc : SCG 6368 T4
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 05 14:00:13 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 29 09:21:22 2024
Response via : Initial Calibration

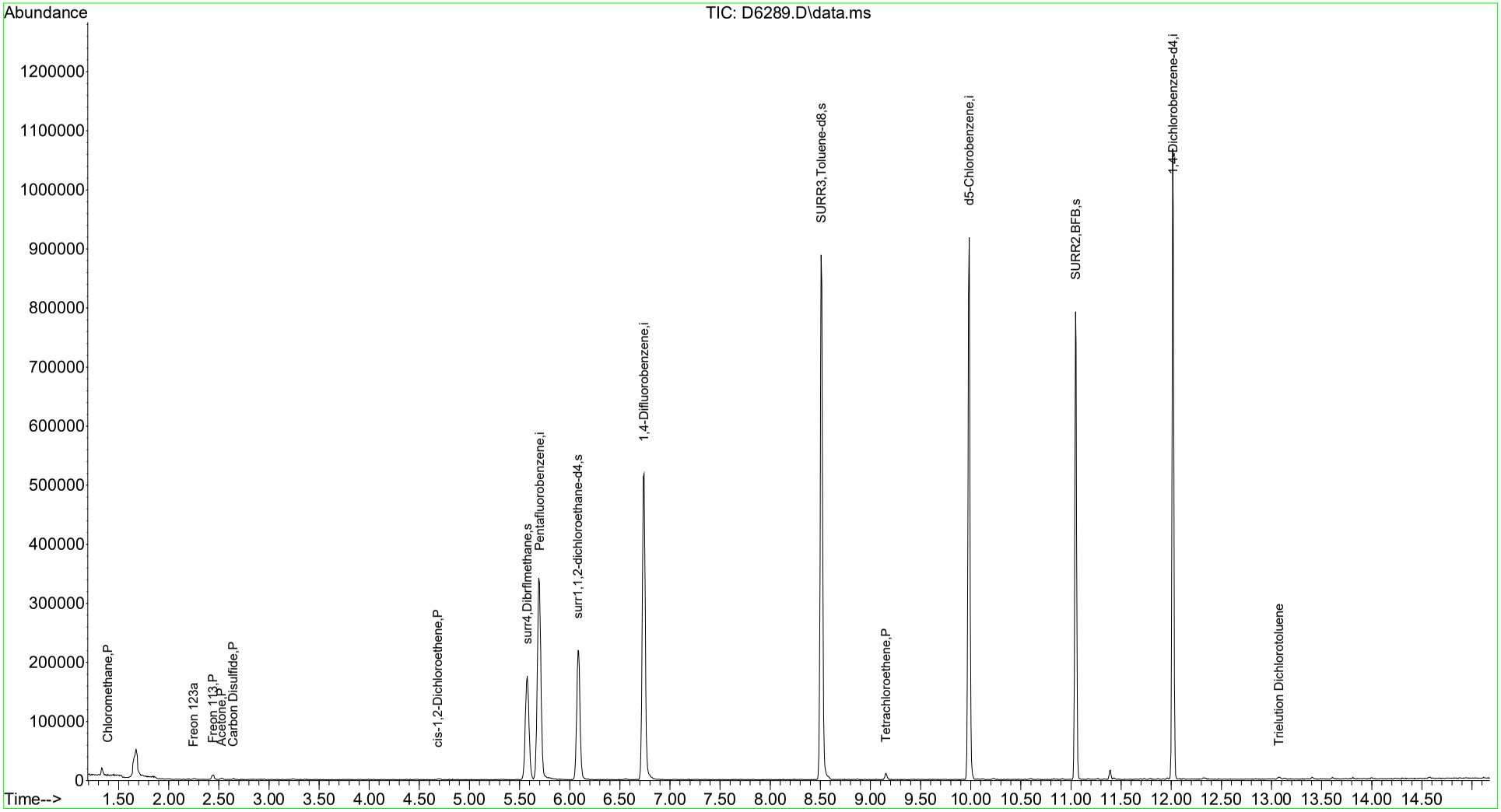
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.698	168	317135	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	6.741	114	446480	50.00	ug/L	0.00
71) d5-Chlorobenzene	9.984	117	389396	50.00	ug/L	0.00
91) 1,4-Dichlorobenzene-d4	12.020	152	210064	50.00	ug/L	0.00
System Monitoring Compounds						
44) surr4,Dibrflmethane	5.576	113	133876	48.48	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 96.96%			
47) surr1,1,2-dichloroetha...	6.082	65	179456	52.26	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 104.52%			
65) SURR3,Toluene-d8	8.509	98	519156	48.40	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 96.80%			
70) SURR2,BFB	11.045	95	195691	48.58	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 97.16%			
Target Compounds						Qvalue
4) Chloromethane	1.394	50	1026	0.245	ug/L	84
6) Bromomethane	1.705	94	336	Below Cal		93
11) Freon 123a	2.248	67	648	0.229	ug/L	90
15) Freon 113	2.437	101	3146	1.426	ug/L	91
16) Acetone	2.528	43	2910	1.521	ug/L	70
19) Carbon Disulfide	2.644	76	1519	0.218	ug/L	93
34) cis-1,2-Dichloroethene	4.680	96	589	0.214	ug/L #	66
40) Chloroform	5.308	83	355	Below Cal	#	68
72) Tetrachloroethene	9.149	164	1954	0.926	ug/L #	89
112) Trielution Dichlorotol...	13.075	125	1610	0.339	ug/L	74

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

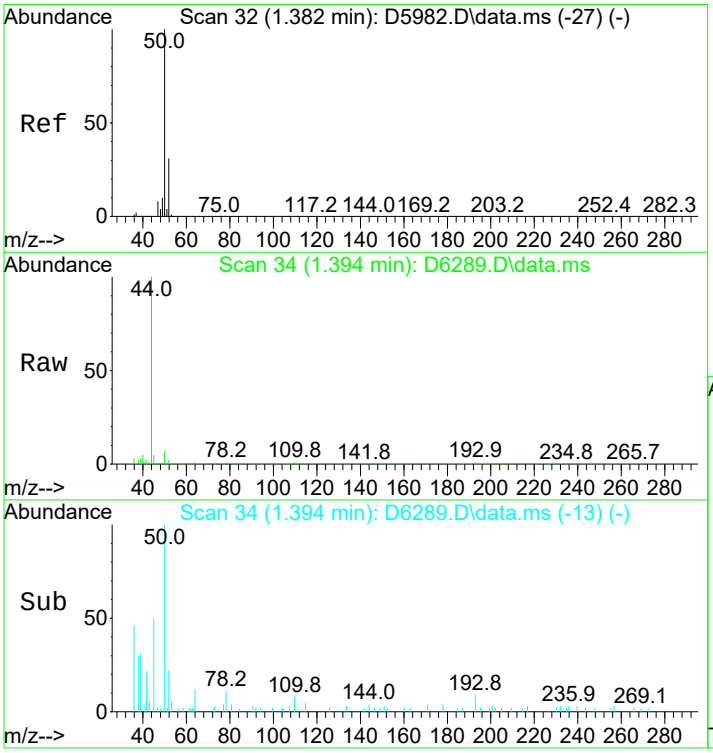
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\060524\
Data File : D6289.D
Acq On : 05 Jun 2024 01:40 pm
Operator : F.NAEGLER
Sample : R2404779-002
Misc : SCG 6368 T4
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 05 14:00:13 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 29 09:21:22 2024
Response via : Initial Calibration



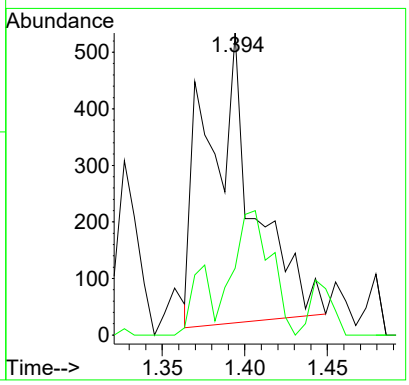
1st FJ 06/05/24

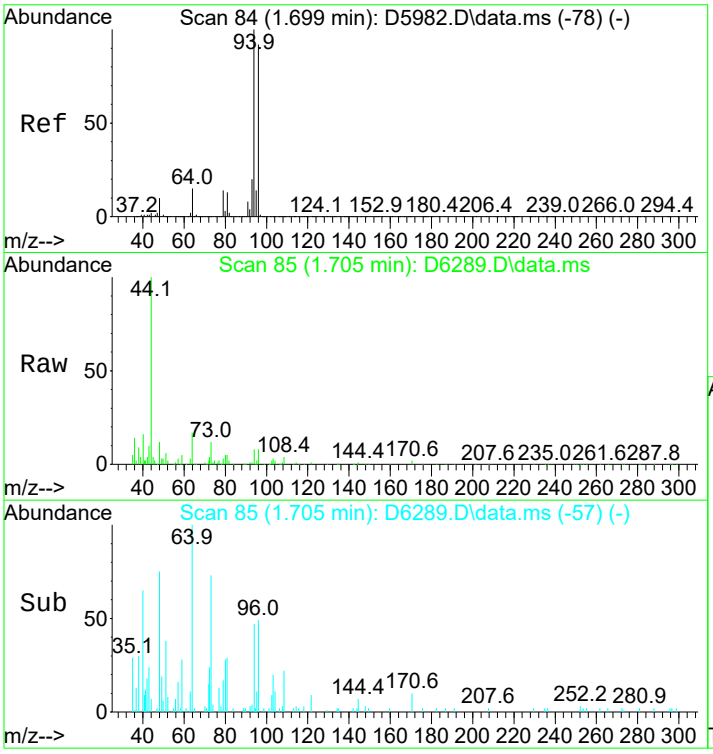


#4
Chloromethane
Concen: 0.24 ug/L
RT: 1.394 min Scan# 34
Delta R.T. 0.012 min
Lab File: D6289.D
Acq: 05 Jun 2024 01:40 pm

Tgt Ion: 50 Resp: 1026

Ion	Ratio	Lower	Upper
50	100		
52	22.1	10.6	50.6

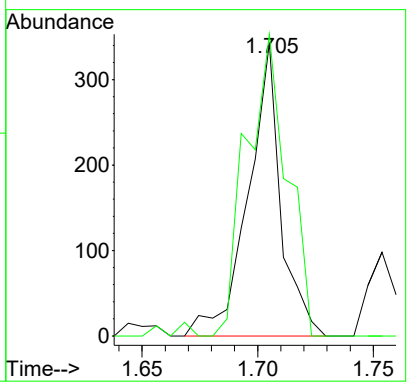


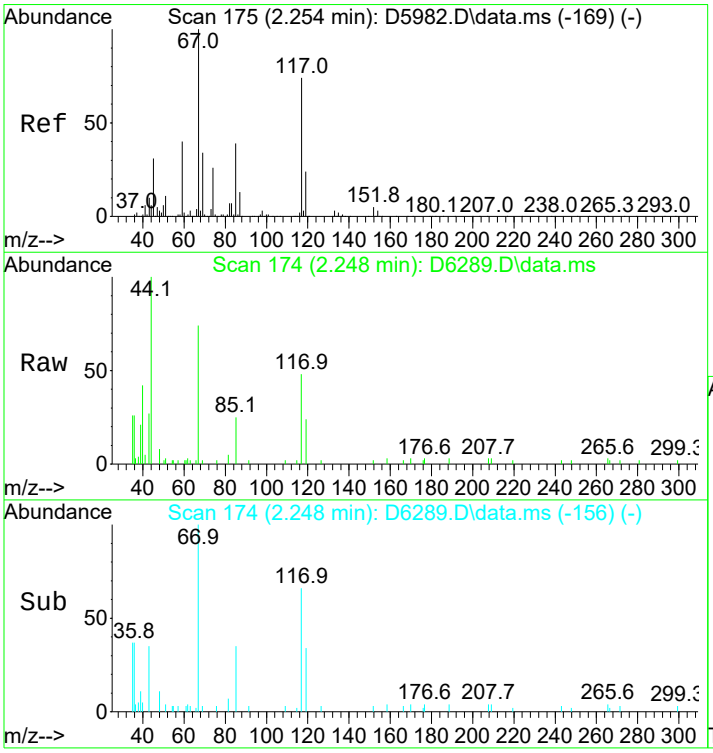


#6
Bromomethane
Concen: Below Cal
RT: 1.705 min Scan# 85
Delta R.T. 0.007 min
Lab File: D6289.D
Acq: 05 Jun 2024 01:40 pm

Tgt Ion: 94 Resp: 336

Ion	Ratio	Lower	Upper
94	100		
96	98.3	71.6	111.6

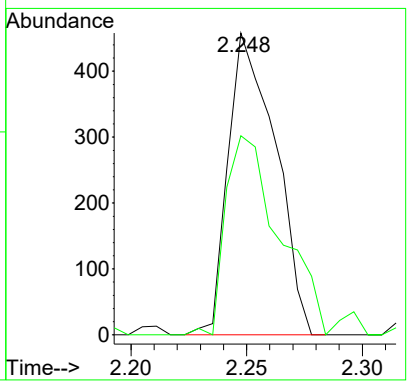


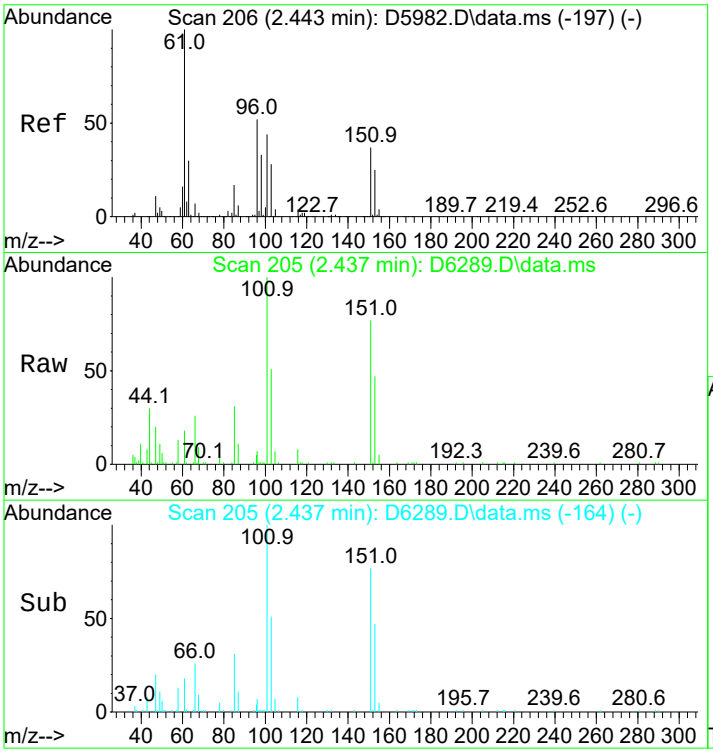


#11
Freon 123a
Concen: 0.23 ug/L
RT: 2.248 min Scan# 174
Delta R.T. -0.006 min
Lab File: D6289.D
Acq: 05 Jun 2024 01:40 pm

Tgt Ion: 67 Resp: 648

Ion	Ratio	Lower	Upper
67	100		
117	65.9	54.2	94.2

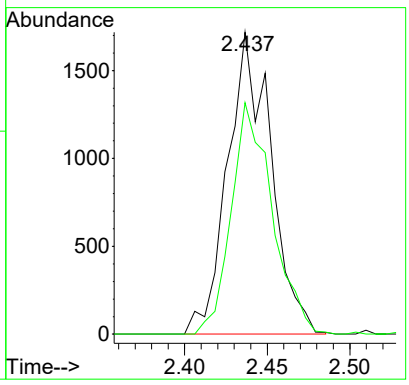


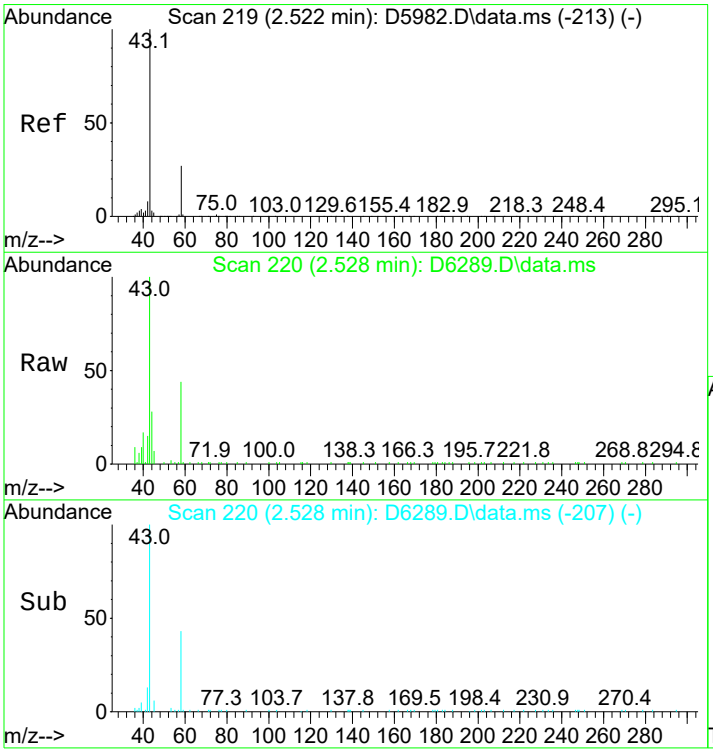


#15
Freon 113
Concen: 1.43 ug/L
RT: 2.437 min Scan# 205
Delta R.T. -0.006 min
Lab File: D6289.D
Acq: 05 Jun 2024 01:40 pm

Tgt Ion:101 Resp: 3146

Ion	Ratio	Lower	Upper
101	100		
151	76.7	65.4	105.4

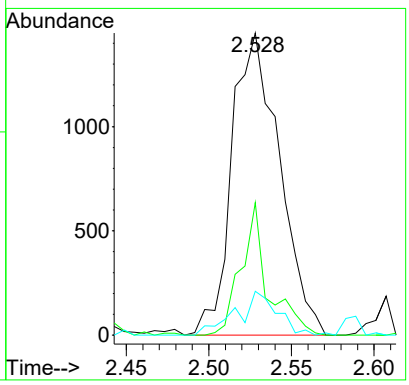


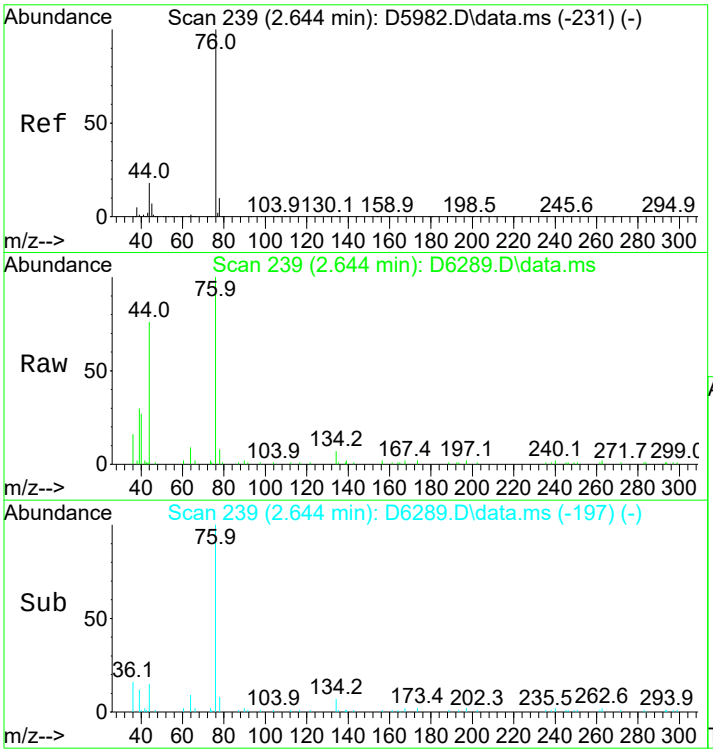


#16
Acetone
Concen: 1.52 ug/L
RT: 2.528 min Scan# 220
Delta R.T. 0.006 min
Lab File: D6289.D
Acq: 05 Jun 2024 01:40 pm

Tgt Ion: 43 Resp: 2910

Ion	Ratio	Lower	Upper
43	100		
58	43.8	7.0	47.0
42	14.6	0.0	27.7

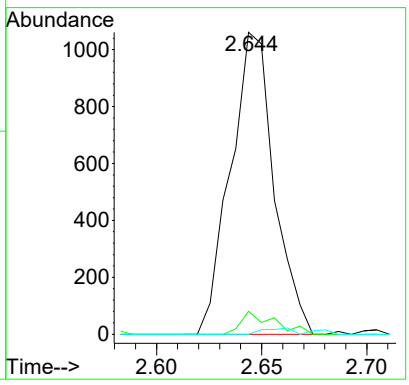


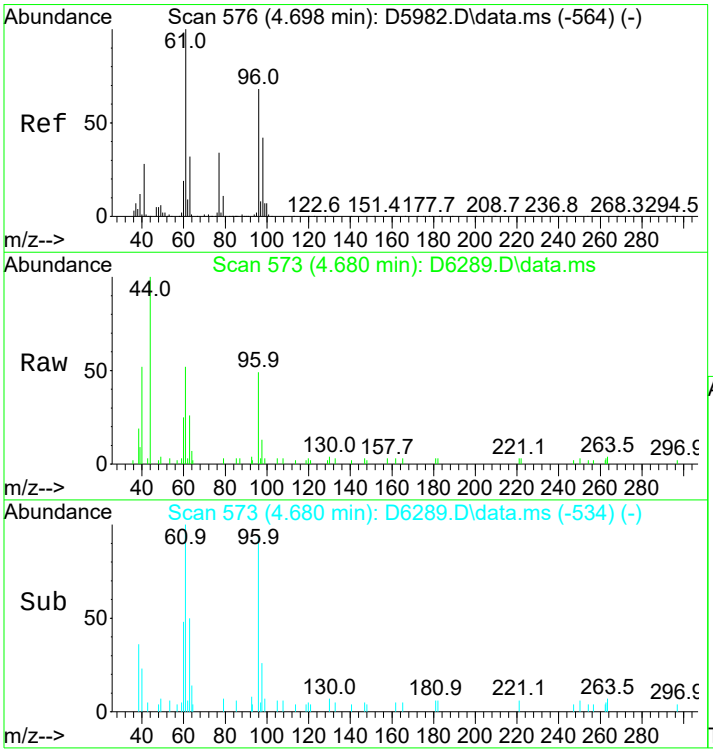


#19
Carbon Disulfide
Concen: 0.22 ug/L
RT: 2.644 min Scan# 239
Delta R.T. 0.000 min
Lab File: D6289.D
Acq: 05 Jun 2024 01:40 pm

Tgt Ion: 76 Resp: 1519

Ion	Ratio	Lower	Upper
76	100		
78	7.5	0.0	29.9
77	0.0	0.0	22.5

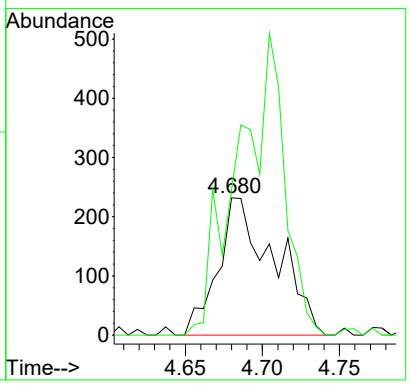


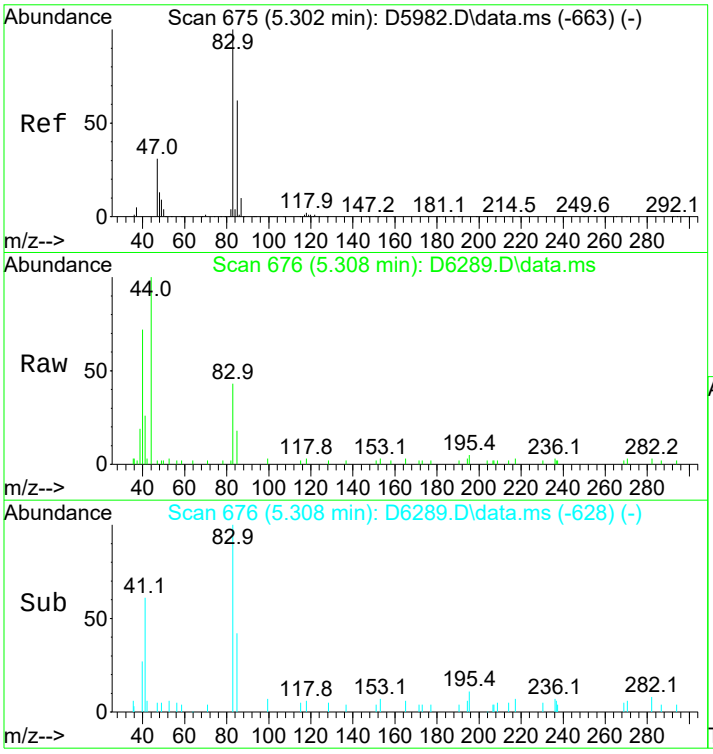


#34
cis-1,2-Dichloroethene
Concen: 0.21 ug/L
RT: 4.680 min Scan# 573
Delta R.T. -0.018 min
Lab File: D6289.D
Acq: 05 Jun 2024 01:40 pm

Tgt Ion: 96 Resp: 589

Ion	Ratio	Lower	Upper
96	100		
61	106.0	128.4	168.4#

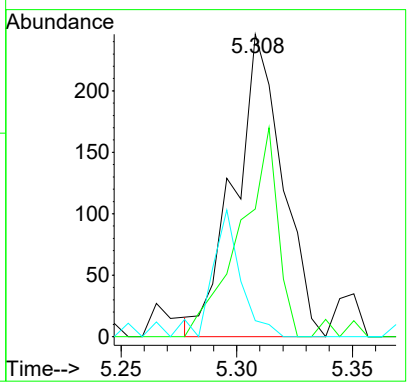


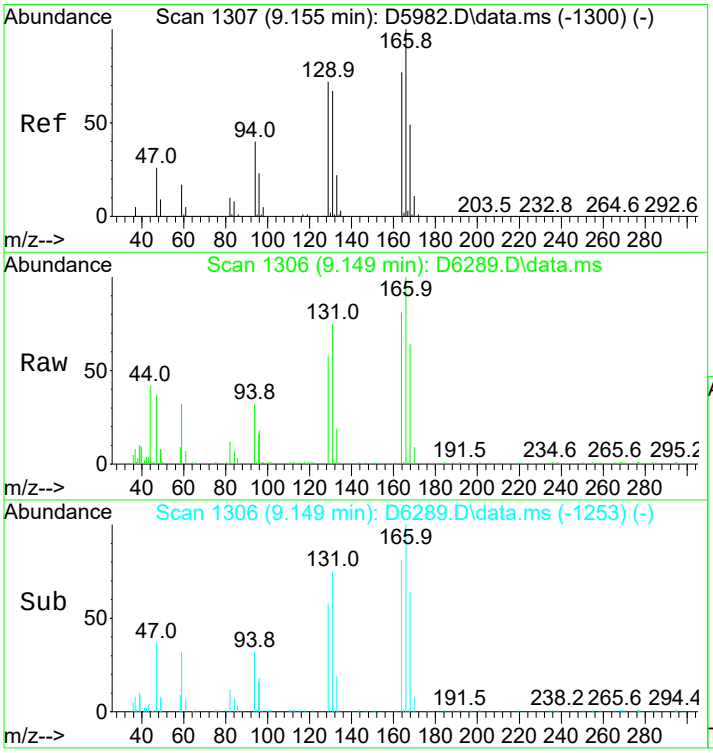


#40
Chloroform
Concen: Below Cal
RT: 5.308 min Scan# 676
Delta R.T. 0.007 min
Lab File: D6289.D
Acq: 05 Jun 2024 01:40 pm

Tgt Ion: 83 Resp: 355

Ion	Ratio	Lower	Upper
83	100		
85	42.3	41.6	81.6
47	5.3	10.8	50.8#

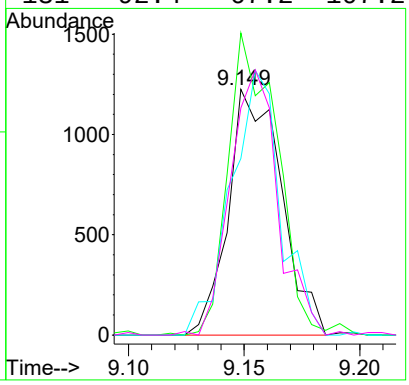


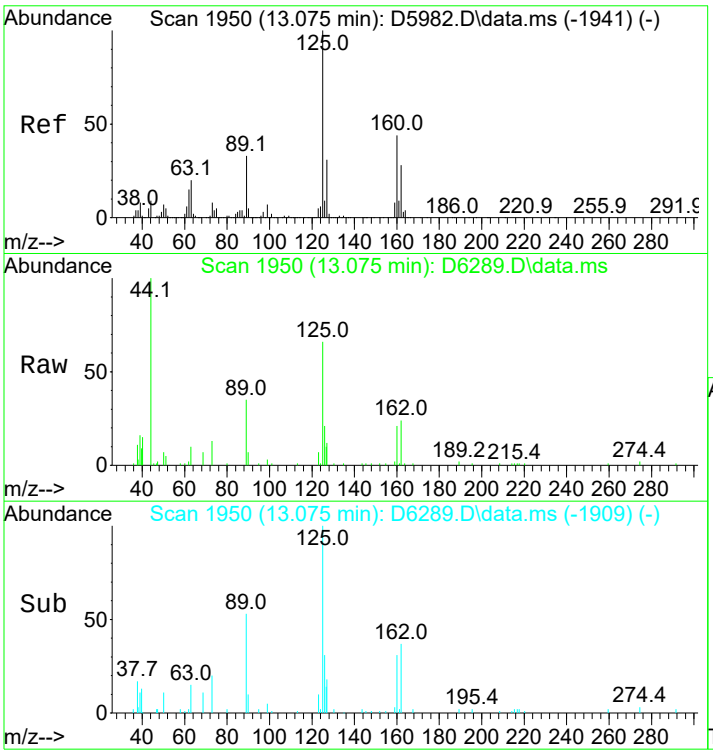


#72
Tetrachloroethene
Concen: 0.93 ug/L
RT: 9.149 min Scan# 1306
Delta R.T. -0.006 min
Lab File: D6289.D
Acq: 05 Jun 2024 01:40 pm

Tgt Ion:164 Resp: 1954

Ion	Ratio	Lower	Upper
164	100		
166	122.9	110.0	150.0
129	71.9	73.1	113.1#
131	92.4	67.2	107.2

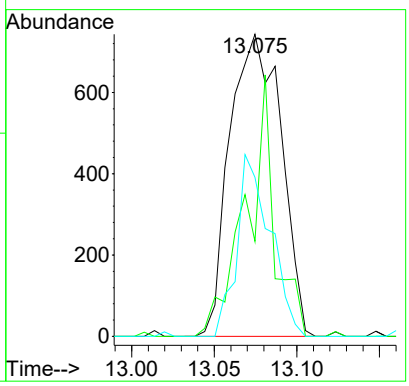




#112
Trielution Dichlorotoluene
Concen: 0.34 ug/L
RT: 13.075 min Scan# 1950
Delta R.T. 0.000 min
Lab File: D6289.D
Acq: 05 Jun 2024 01:40 pm

Tgt Ion:125 Resp: 1610

Ion	Ratio	Lower	Upper
125	100		
160	31.5	23.7	63.7
89	52.6	13.1	53.1



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\060524\
Data File : D6287.D
Acq On : 05 Jun 2024 12:54 pm
Operator : F.NAEGLER
Sample : R2404779-003
Misc : SCG 6368 T4
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 05 13:29:53 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 29 09:21:22 2024
Response via : Initial Calibration

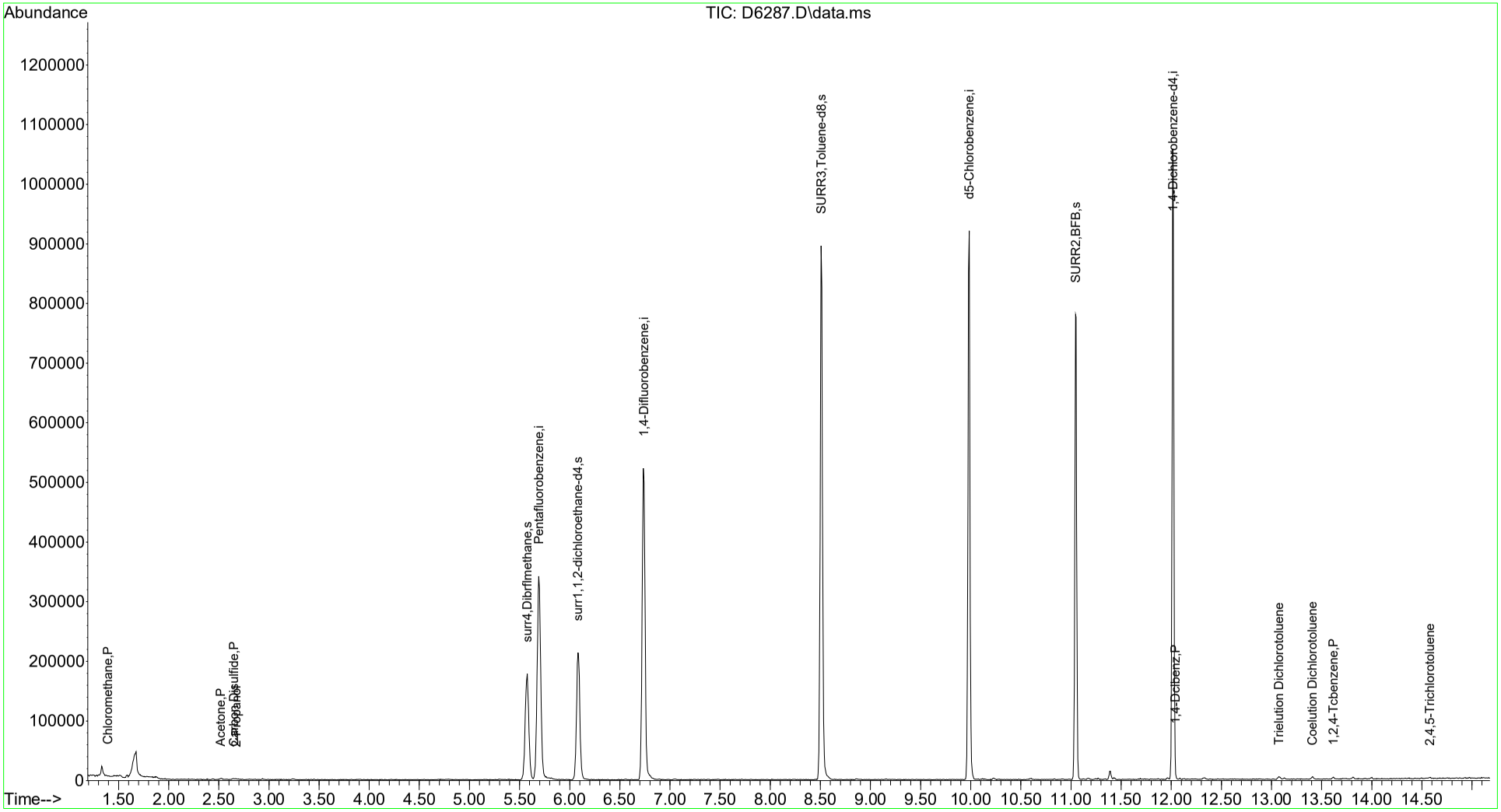
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.692	168	310854	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	6.735	114	442460	50.00	ug/L	0.00
71) d5-Chlorobenzene	9.984	117	388478	50.00	ug/L	0.00
91) 1,4-Dichlorobenzene-d4	12.020	152	210451	50.00	ug/L	0.00
System Monitoring Compounds						
44) surr4,Dibrflmethane	5.576	113	132109	48.27	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 96.54%			
47) surr1,1,2-dichloroetha...	6.082	65	174359	51.24	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 102.48%			
65) SURR3,Toluene-d8	8.509	98	521219	49.03	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 98.06%			
70) SURR2,BFB	11.045	95	193891	48.57	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 97.14%			
Target Compounds						Qvalue
4) Chloromethane	1.394	50	1255	0.306	ug/L	93
6) Bromomethane	1.705	94	404	Below Cal		81
16) Acetone	2.522	43	2381	1.270	ug/L	96
17) 2-Propanol	2.674	45	1604	4.859	ug/L	98
19) Carbon Disulfide	2.650	76	2089	0.305	ug/L	86
106) 1,4-Dclbenz	12.038	146	1570	0.258	ug/L	82
112) Trielution Dichlorotol...	13.075	125	2024	0.426	ug/L #	80
114) Coelution Dichlorotoluene	13.404	125	1520	0.285	ug/L	72
115) 1,2,4-Tcbenzene	13.617	180	1004	0.228	ug/L	97
119) 2,4,5-Trichlorotoluene	14.581	159	665	0.247	ug/L #	78

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

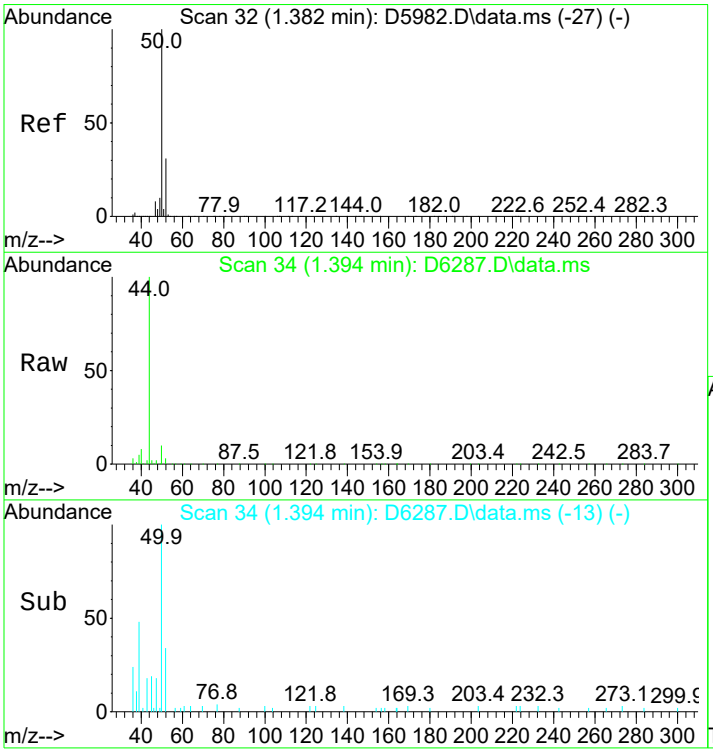
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\060524\
Data File : D6287.D
Acq On : 05 Jun 2024 12:54 pm
Operator : F.NAEGLER
Sample : R2404779-003
Misc : SCG 6368 T4
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 05 13:29:53 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 29 09:21:22 2024
Response via : Initial Calibration



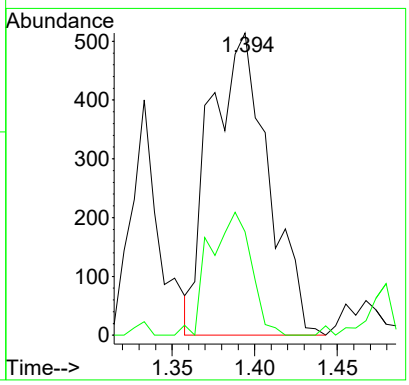
1st FJ 06/05/24

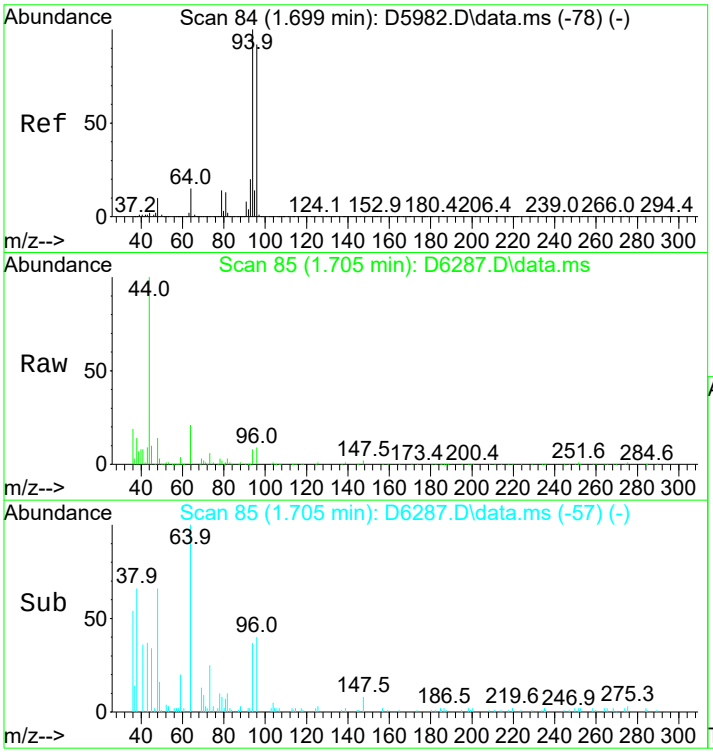


#4
Chloromethane
Concen: 0.31 ug/L
RT: 1.394 min Scan# 34
Delta R.T. 0.012 min
Lab File: D6287.D
Acq: 05 Jun 2024 12:54 pm

Tgt Ion: 50 Resp: 1255

Ion	Ratio	Lower	Upper
50	100		
52	34.2	10.6	50.6

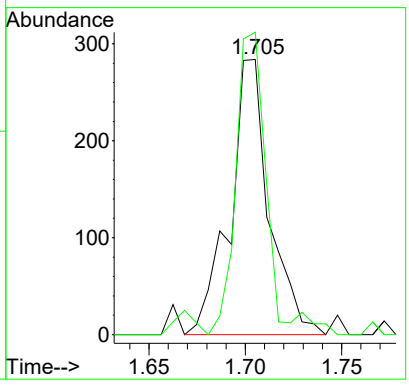


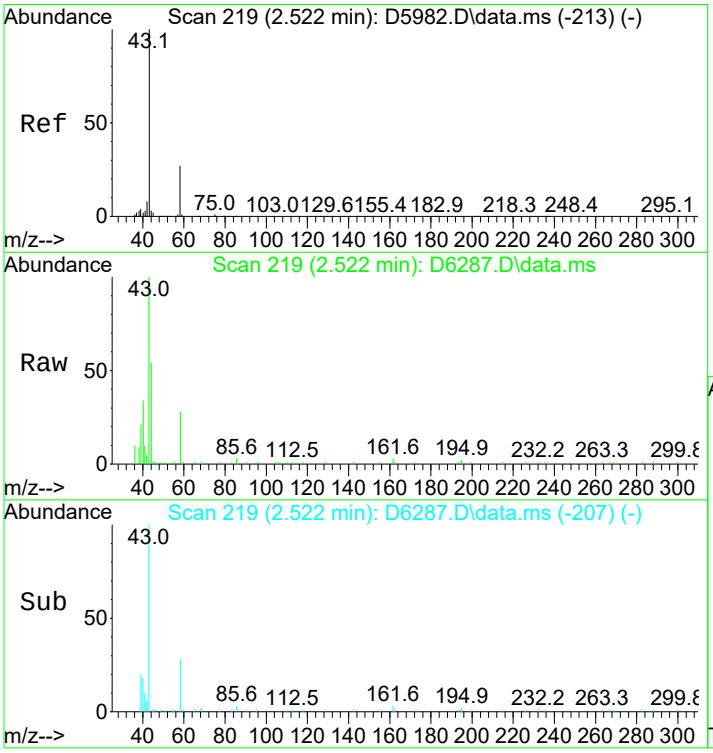


#6
Bromomethane
Concen: Below Cal
RT: 1.705 min Scan# 85
Delta R.T. 0.007 min
Lab File: D6287.D
Acq: 05 Jun 2024 12:54 pm

Tgt Ion: 94 Resp: 404

Ion	Ratio	Lower	Upper
94	100		
96	109.9	71.6	111.6

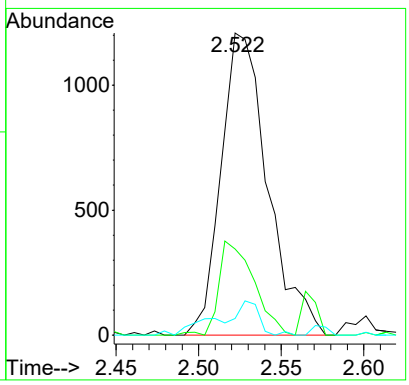


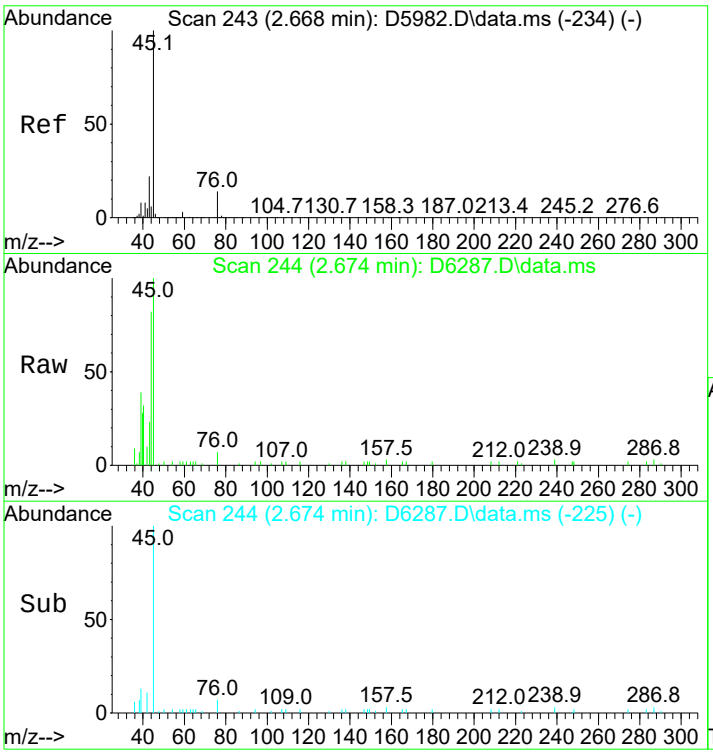


#16
Acetone
Concen: 1.27 ug/L
RT: 2.522 min Scan# 219
Delta R.T. 0.000 min
Lab File: D6287.D
Acq: 05 Jun 2024 12:54 pm

Tgt Ion: 43 Resp: 2381

Ion	Ratio	Lower	Upper
43	100		
58	28.5	7.0	47.0
42	5.5	0.0	27.7

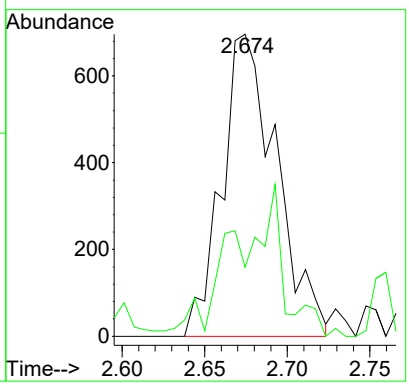


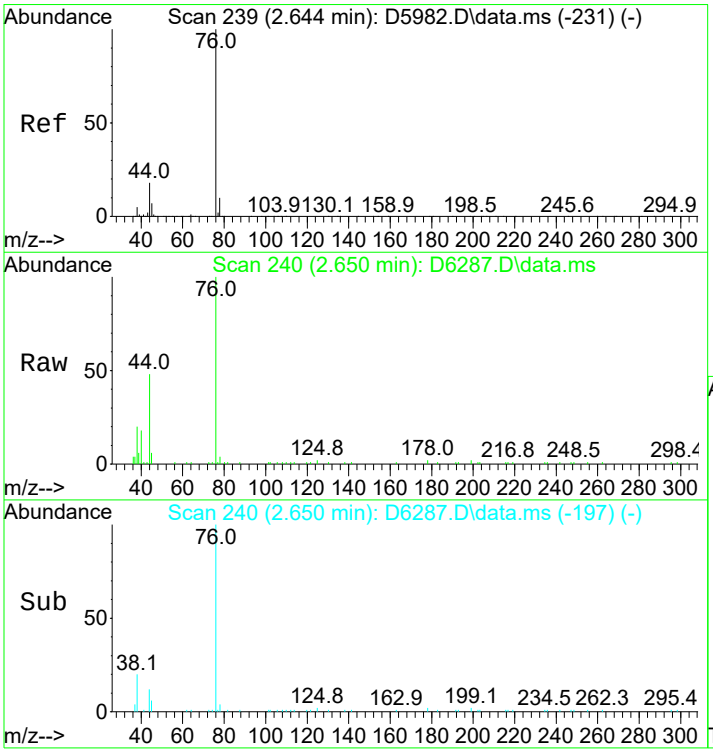


#17
2-Propanol
Concen: 4.86 ug/L
RT: 2.674 min Scan# 244
Delta R.T. 0.006 min
Lab File: D6287.D
Acq: 05 Jun 2024 12:54 pm

Tgt Ion: 45 Resp: 1604

Ion	Ratio	Lower	Upper
45	100		
43	22.8	2.1	42.1

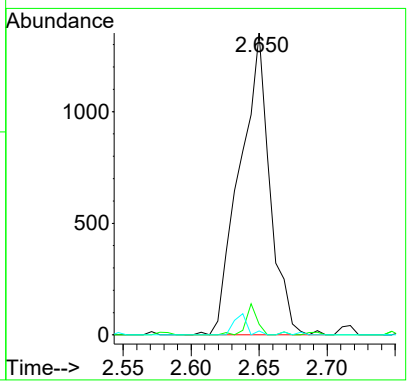


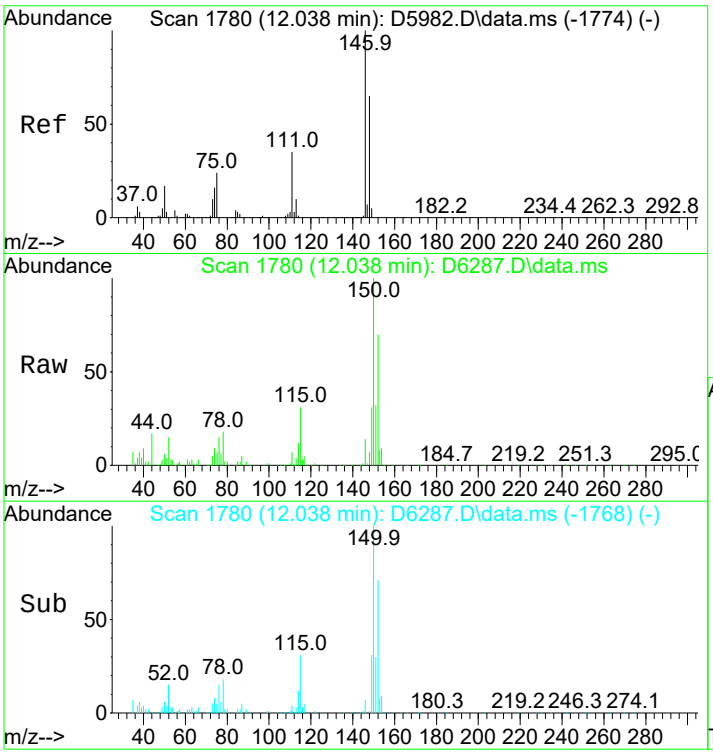


#19
Carbon Disulfide
Concen: 0.31 ug/L
RT: 2.650 min Scan# 240
Delta R.T. 0.006 min
Lab File: D6287.D
Acq: 05 Jun 2024 12:54 pm

Tgt Ion: 76 Resp: 2089

Ion	Ratio	Lower	Upper
76	100		
78	3.6	0.0	29.9
77	1.3	0.0	22.5

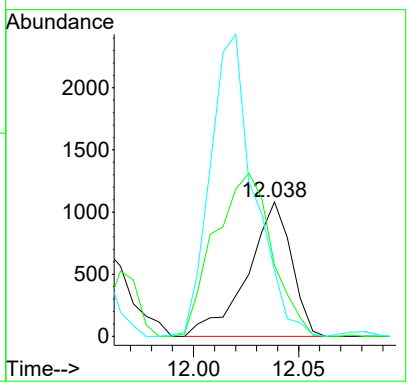


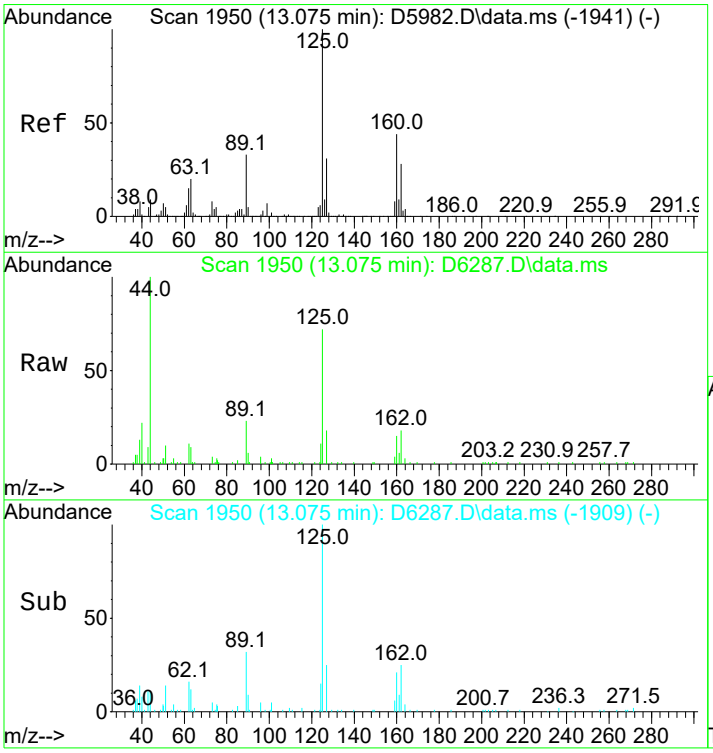


#106
1,4-Dclbenz
Concen: 0.26 ug/L
RT: 12.038 min Scan# 1780
Delta R.T. 0.000 min
Lab File: D6287.D
Acq: 05 Jun 2024 12:54 pm

Tgt Ion:146 Resp: 1570

Ion	Ratio	Lower	Upper
146	100		
148	52.7	44.6	84.6
111	49.3	15.0	55.0

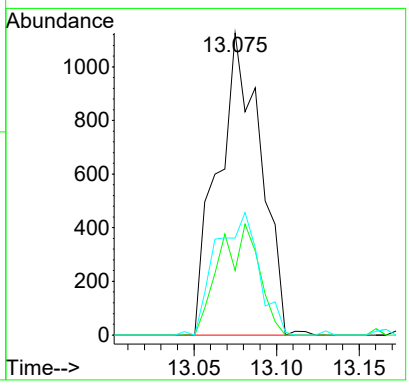


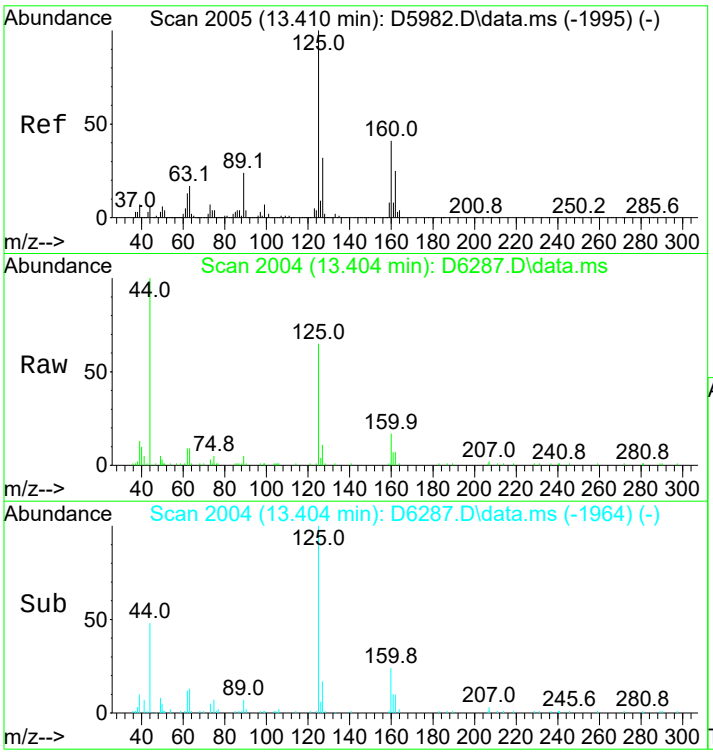


#112
Trielution Dichlorotoluene
Concen: 0.43 ug/L
RT: 13.075 min Scan# 1950
Delta R.T. 0.000 min
Lab File: D6287.D
Acq: 05 Jun 2024 12:54 pm

Tgt Ion:125 Resp: 2024

Ion	Ratio	Lower	Upper
125	100		
160	21.4	23.7	63.7#
89	32.1	13.1	53.1

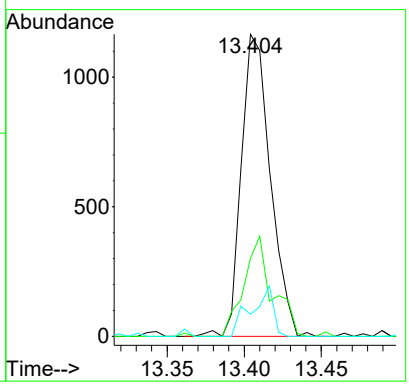


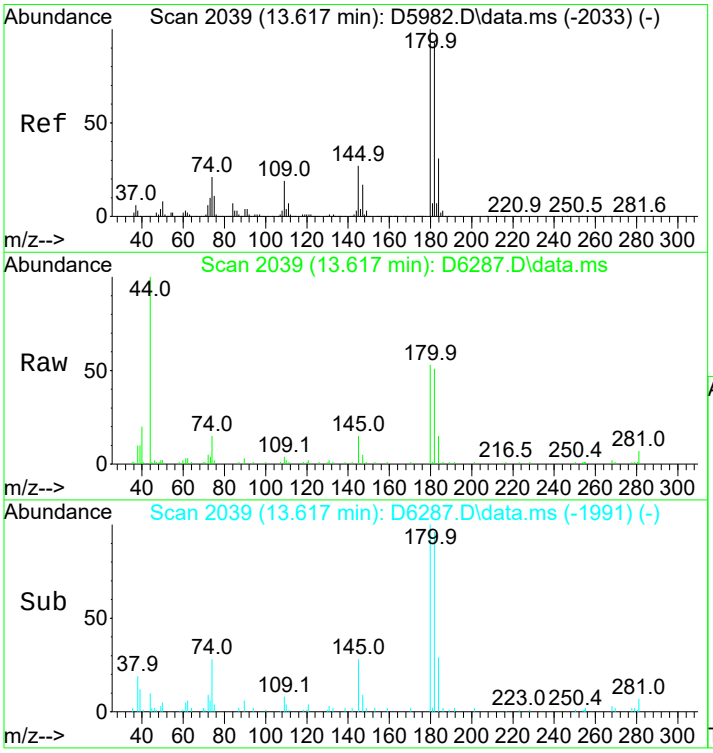


#114
Coelution Dichlorotoluene
Concen: 0.29 ug/L
RT: 13.404 min Scan# 2004
Delta R.T. -0.006 min
Lab File: D6287.D
Acq: 05 Jun 2024 12:54 pm

Tgt Ion:125 Resp: 1520

Ion	Ratio	Lower	Upper
125	100		
160	25.8	21.3	61.3
89	7.3	4.3	44.3

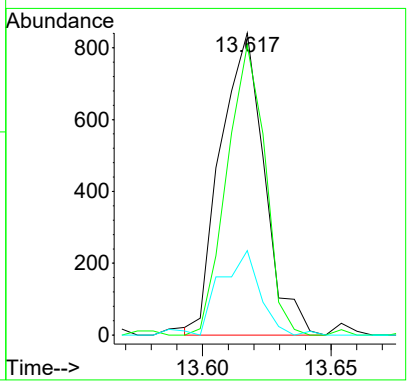


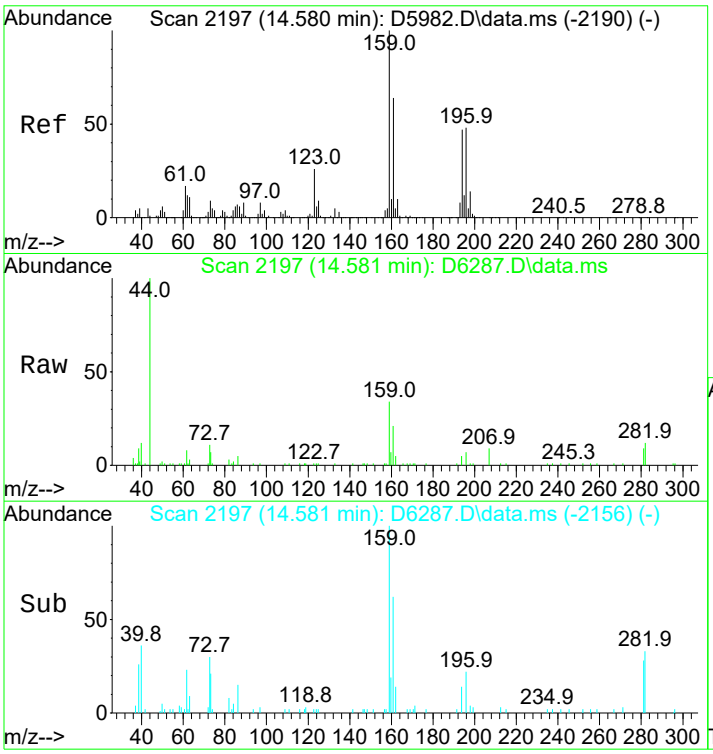


#115
1,2,4-Tcbenzene
Concen: 0.23 ug/L
RT: 13.617 min Scan# 2039
Delta R.T. 0.000 min
Lab File: D6287.D
Acq: 05 Jun 2024 12:54 pm

Tgt Ion:180 Resp: 1004

Ion	Ratio	Lower	Upper
180	100		
182	96.0	72.8	112.8
145	27.9	6.7	46.7

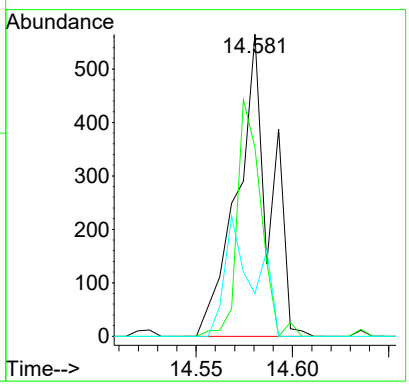




#119
2,4,5-Trichlorotoluene
Concen: 0.25 ug/L
RT: 14.581 min Scan# 2197
Delta R.T. 0.000 min
Lab File: D6287.D
Acq: 05 Jun 2024 12:54 pm

Tgt Ion:159 Resp: 665

Ion	Ratio	Lower	Upper
159	100		
161	62.5	43.5	83.5
194	14.2	27.1	67.1#



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\060524\
Data File : D6286.D
Acq On : 05 Jun 2024 12:22 pm
Operator : F.NAEGLER
Sample : MBLK-FP
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 05 12:38:09 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 29 09:21:22 2024
Response via : Initial Calibration

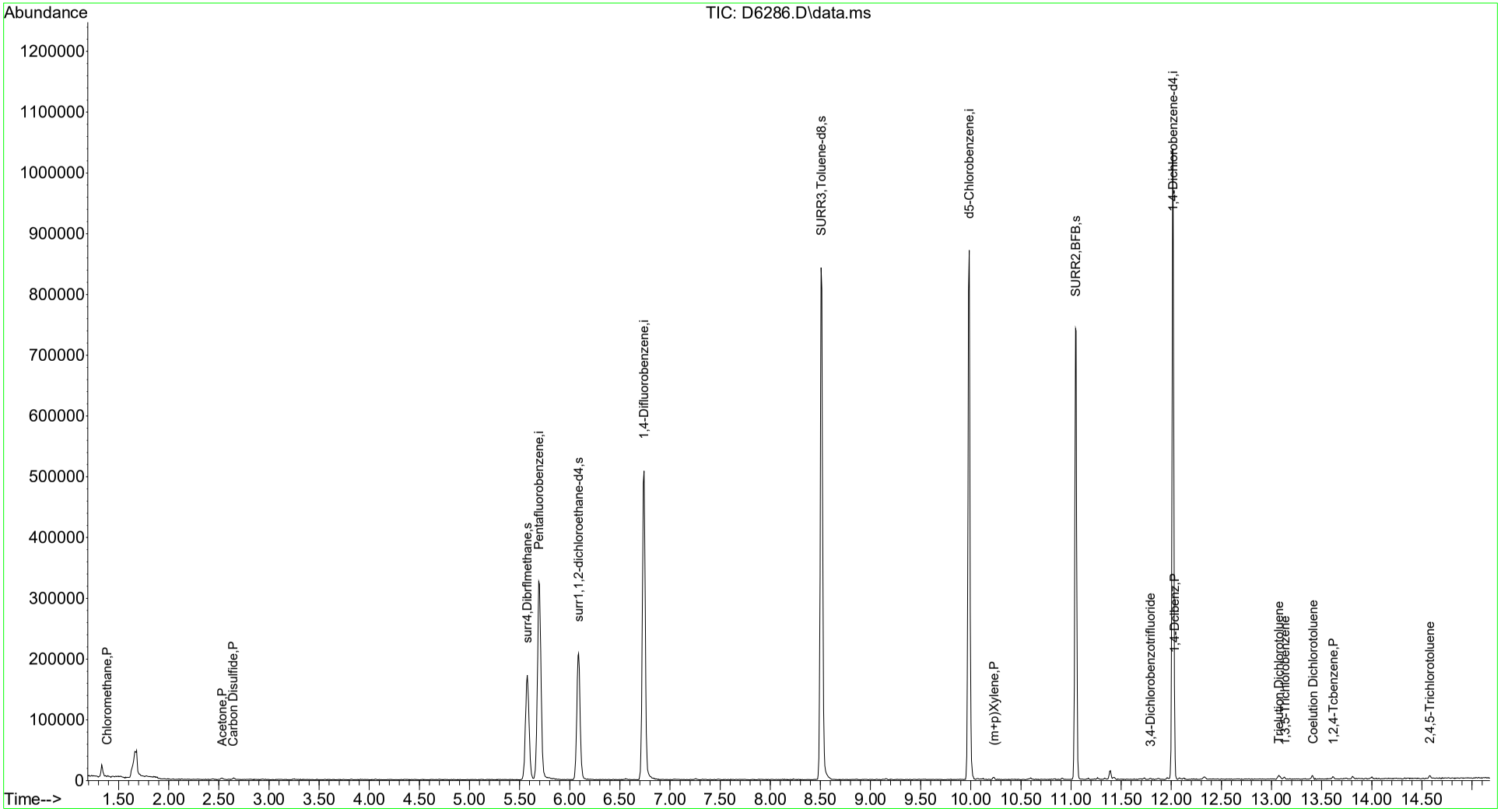
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.692	168	294036	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	6.740	114	425590	50.00	ug/L	0.00
71) d5-Chlorobenzene	9.984	117	374464	50.00	ug/L	0.00
91) 1,4-Dichlorobenzene-d4	12.014	152	205086	50.00	ug/L	0.00
System Monitoring Compounds						
44) surr4,Dibrflmethane	5.576	113	128239	48.72	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 97.44%			
47) surr1,1,2-dichloroetha...	6.088	65	169124	51.67	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 103.34%			
65) SURR3,Toluene-d8	8.508	98	499176	48.82	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 97.64%			
70) SURR2,BFB	11.045	95	189147	49.26	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 98.52%			
Target Compounds						Qvalue
4) Chloromethane	1.382	50	1327	0.342	ug/L	95
6) Bromomethane	1.699	94	682	Below Cal		85
16) Acetone	2.534	43	2718	1.533	ug/L	89
19) Carbon Disulfide	2.644	76	2541	0.393	ug/L	93
83) (m+p)Xylene	10.234	106	1022	0.234	ug/L #	74
102) 3,4-Dichlorobenzotrifl...	11.794	214	677	0.209	ug/L	95
106) 1,4-Dclbenz	12.032	146	1321	0.223	ug/L #	62
112) Trielution Dichlorotol...	13.075	125	2460	0.531	ug/L	86
113) 1,3,5-Trichlorobenzene	13.130	180	974	0.217	ug/L	91
114) Coelution Dichlorotoluene	13.410	125	1803	0.347	ug/L	86
115) 1,2,4-Tcbenzene	13.611	180	1120	0.261	ug/L	92
119) 2,4,5-Trichlorotoluene	14.580	159	1103	0.420	ug/L #	79

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

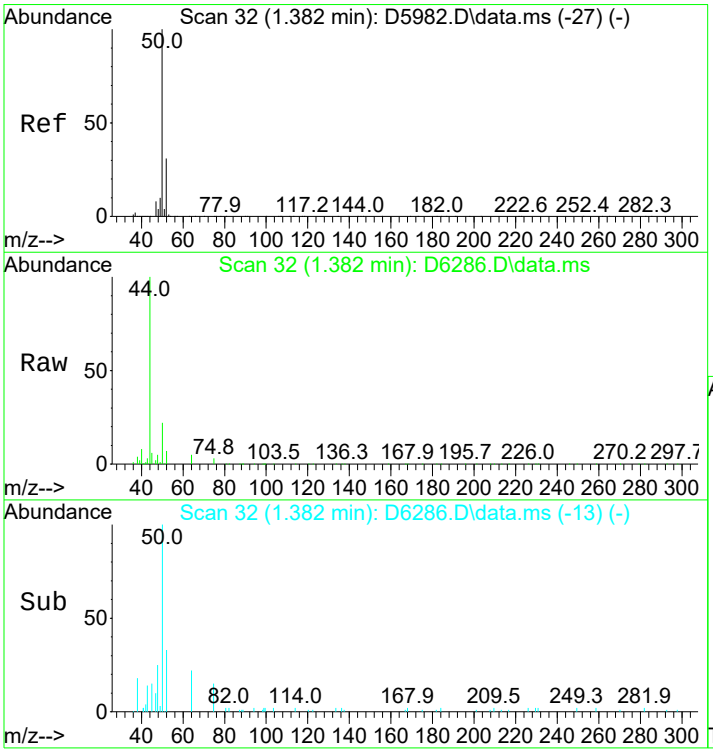
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\060524\
Data File : D6286.D
Acq On : 05 Jun 2024 12:22 pm
Operator : F.NAEGLER
Sample : MBLK-FP
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 05 12:38:09 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 29 09:21:22 2024
Response via : Initial Calibration



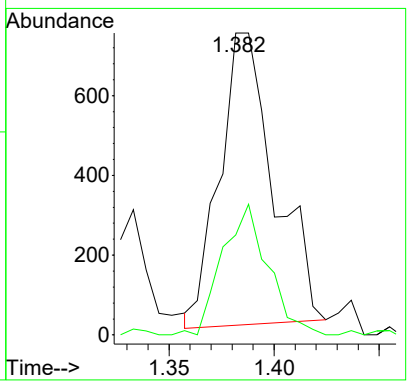
1st FJ 06/05/24

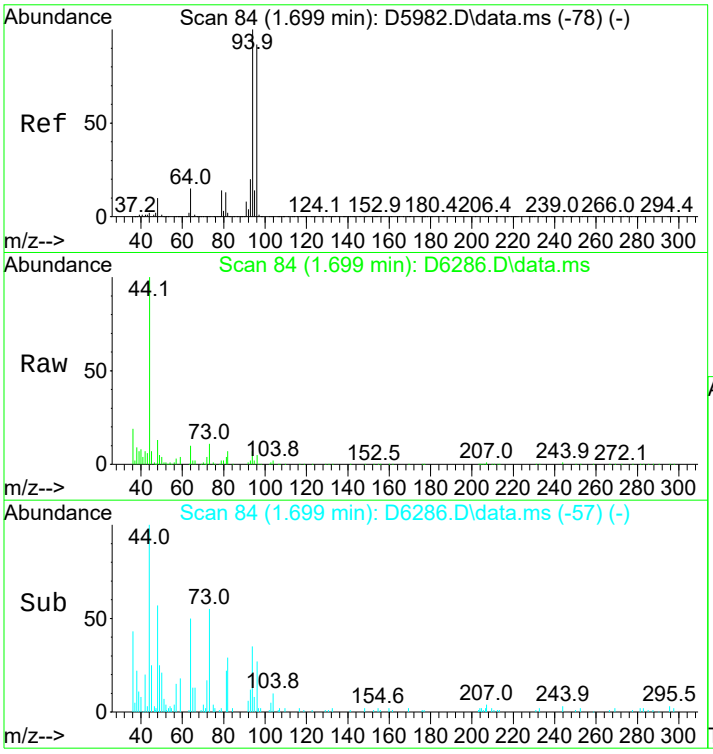


#4
Chloromethane
Concen: 0.34 ug/L
RT: 1.382 min Scan# 32
Delta R.T. -0.000 min
Lab File: D6286.D
Acq: 05 Jun 2024 12:22 pm

Tgt Ion: 50 Resp: 1327

Ion	Ratio	Lower	Upper
50	100		
52	33.2	10.6	50.6

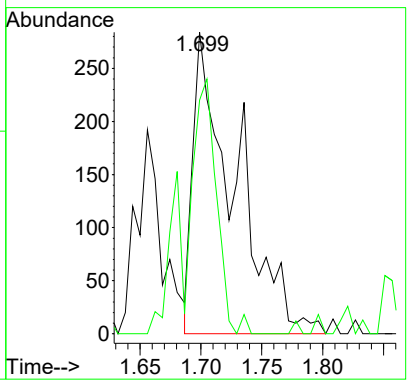


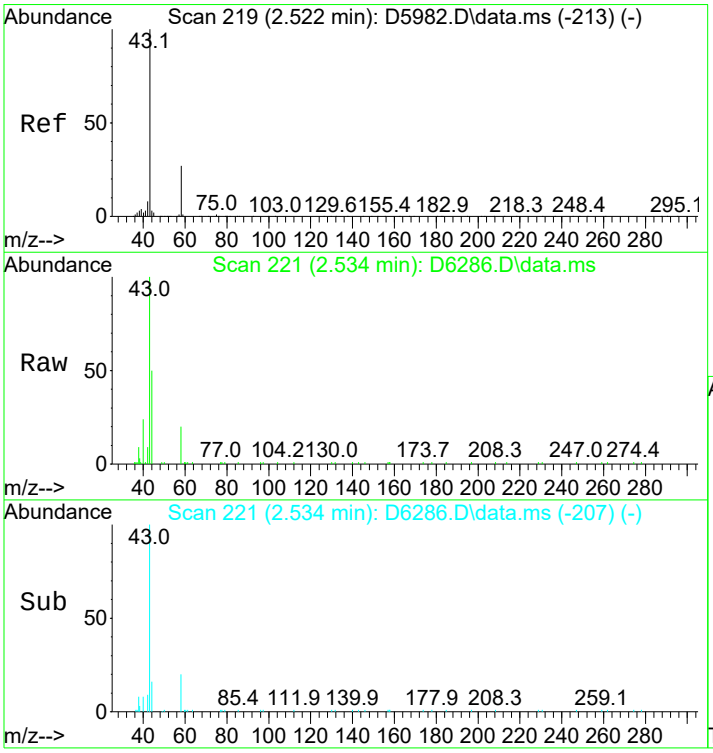


#6
Bromomethane
Concen: Below Cal
RT: 1.699 min Scan# 84
Delta R.T. 0.001 min
Lab File: D6286.D
Acq: 05 Jun 2024 12:22 pm

Tgt Ion: 94 Resp: 682

Ion	Ratio	Lower	Upper
94	100		
96	77.5	71.6	111.6

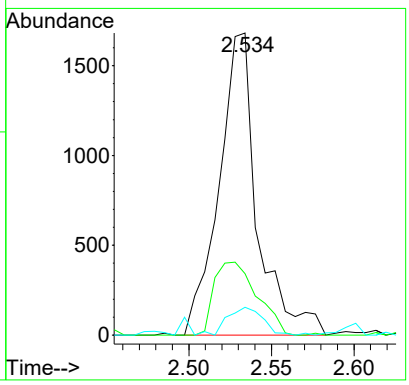


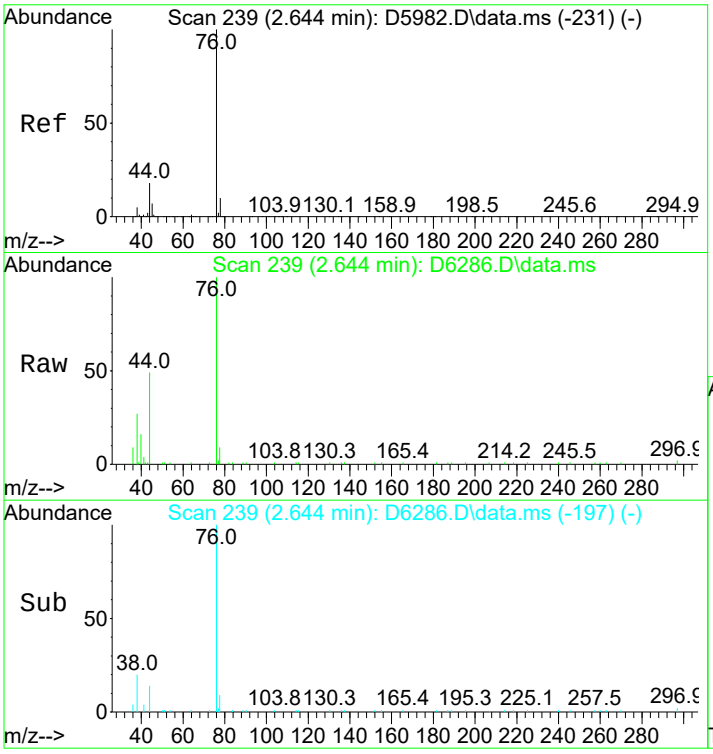


#16
Acetone
Concen: 1.53 ug/L
RT: 2.534 min Scan# 221
Delta R.T. 0.012 min
Lab File: D6286.D
Acq: 05 Jun 2024 12:22 pm

Tgt Ion: 43 Resp: 2718

Ion	Ratio	Lower	Upper
43	100		
58	20.3	7.0	47.0
42	9.2	0.0	27.7

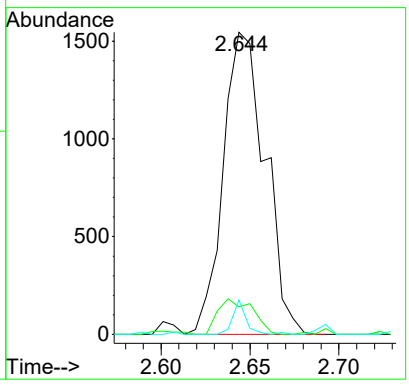


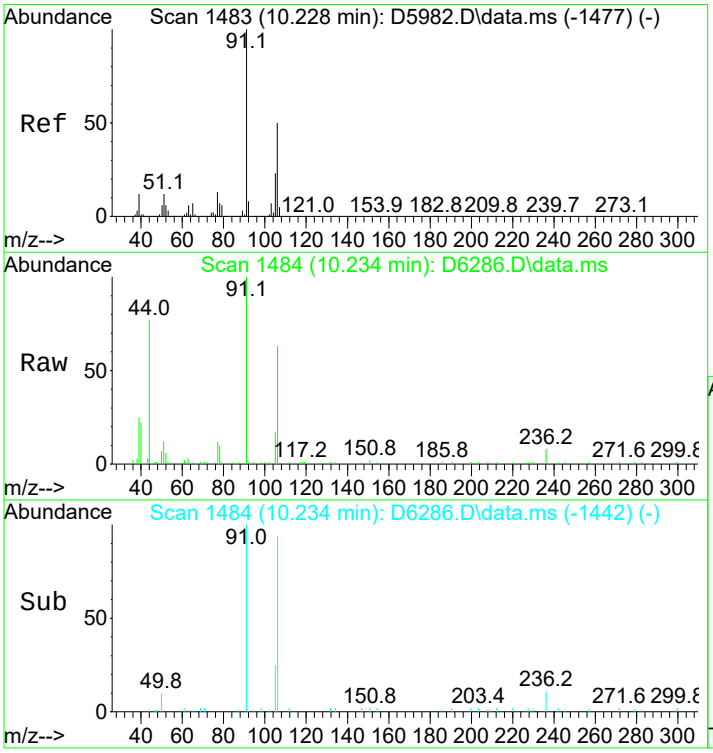


#19
Carbon Disulfide
Concen: 0.39 ug/L
RT: 2.644 min Scan# 239
Delta R.T. -0.000 min
Lab File: D6286.D
Acq: 05 Jun 2024 12:22 pm

Tgt Ion: 76 Resp: 2541

Ion	Ratio	Lower	Upper
76	100		
78	9.1	0.0	29.9
77	11.3	0.0	22.5

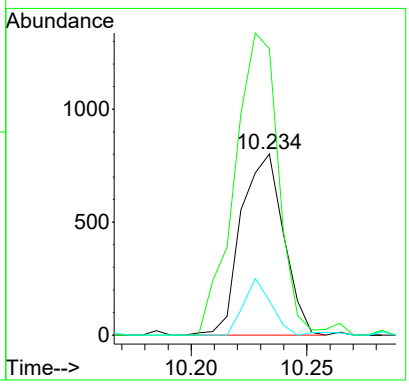


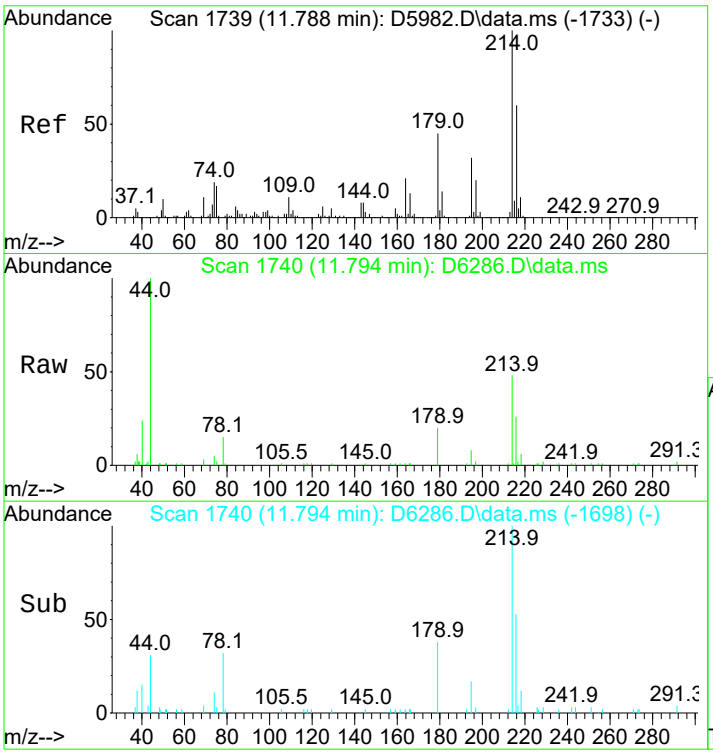


#83
(m+p)Xylene
Concen: 0.23 ug/L
RT: 10.234 min Scan# 1484
Delta R.T. 0.006 min
Lab File: D6286.D
Acq: 05 Jun 2024 12:22 pm

Tgt Ion:106 Resp: 1022

Ion	Ratio	Lower	Upper
106	100		
91	158.1	180.4	220.4#
77	19.1	6.8	46.8

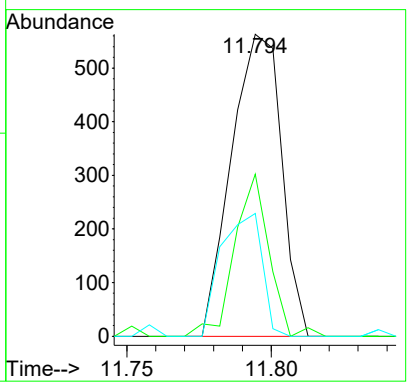


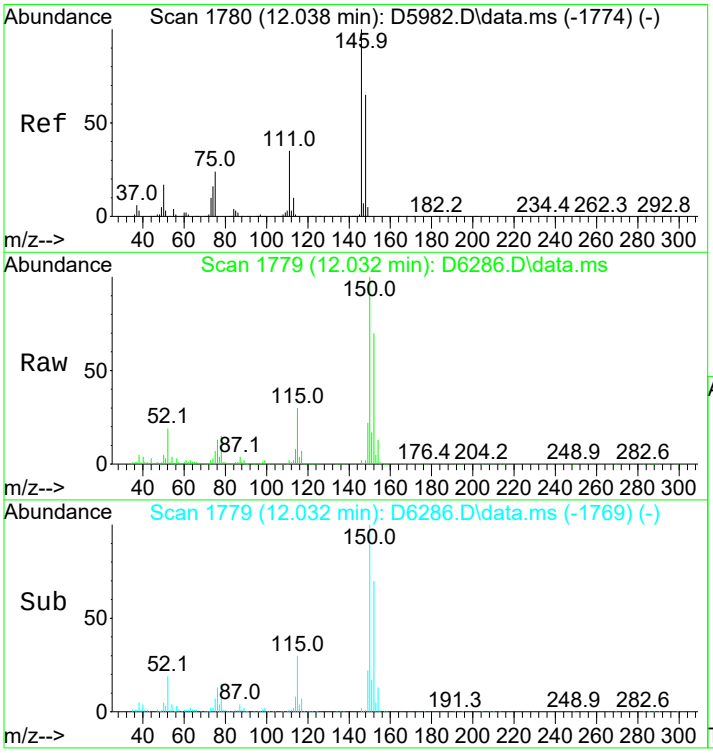


#102
3,4-Dichlorobenzotrifluoride
Concen: 0.21 ug/L
RT: 11.794 min Scan# 1740
Delta R.T. 0.006 min
Lab File: D6286.D
Acq: 05 Jun 2024 12:22 pm

Tgt Ion:214 Resp: 677

Ion	Ratio	Lower	Upper
214	100		
216	57.2	40.3	80.3
179	40.7	24.8	64.8

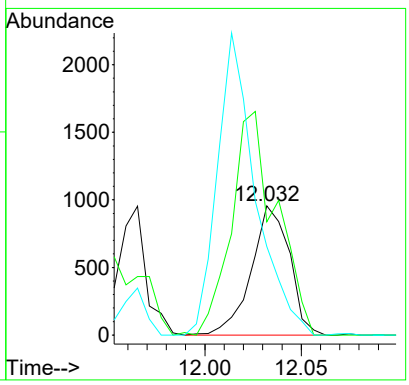


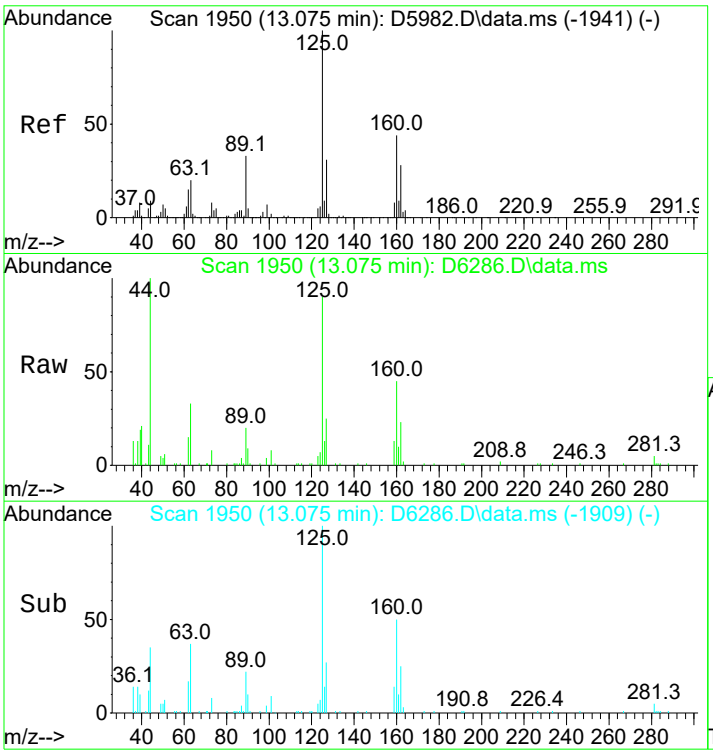


#106
1,4-Dclbenz
Concen: 0.22 ug/L
RT: 12.032 min Scan# 1779
Delta R.T. -0.006 min
Lab File: D6286.D
Acq: 05 Jun 2024 12:22 pm

Tgt Ion:146 Resp: 1321

Ion	Ratio	Lower	Upper
146	100		
148	86.4	44.6	84.6#
111	67.6	15.0	55.0#

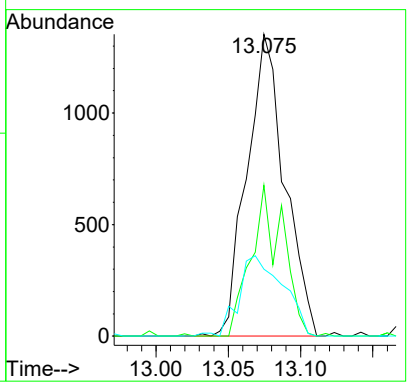


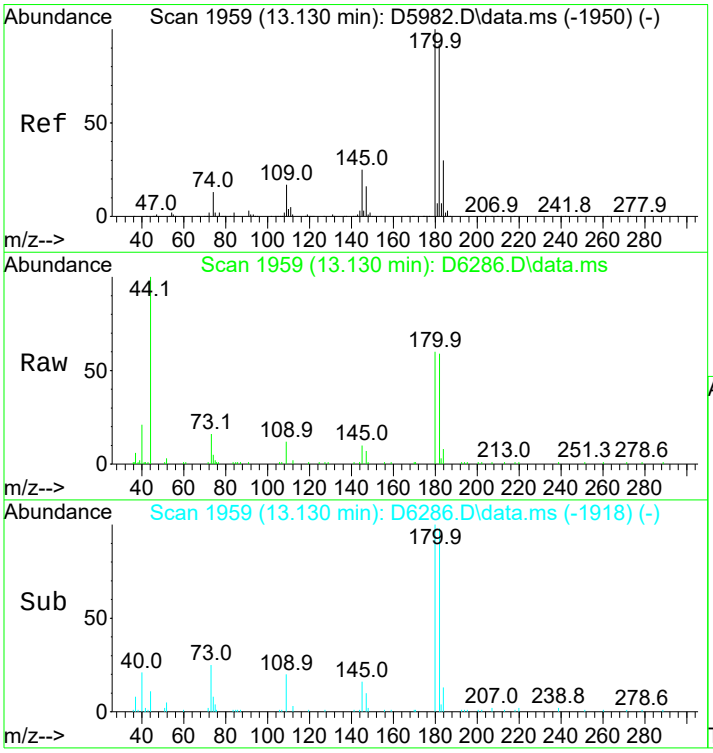


#112
Trielution Dichlorotoluene
Concen: 0.53 ug/L
RT: 13.075 min Scan# 1950
Delta R.T. -0.000 min
Lab File: D6286.D
Acq: 05 Jun 2024 12:22 pm

Tgt Ion:125 Resp: 2460

Ion	Ratio	Lower	Upper
125	100		
160	50.0	23.7	63.7
89	22.2	13.1	53.1

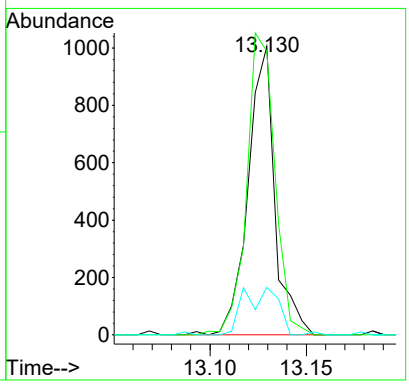


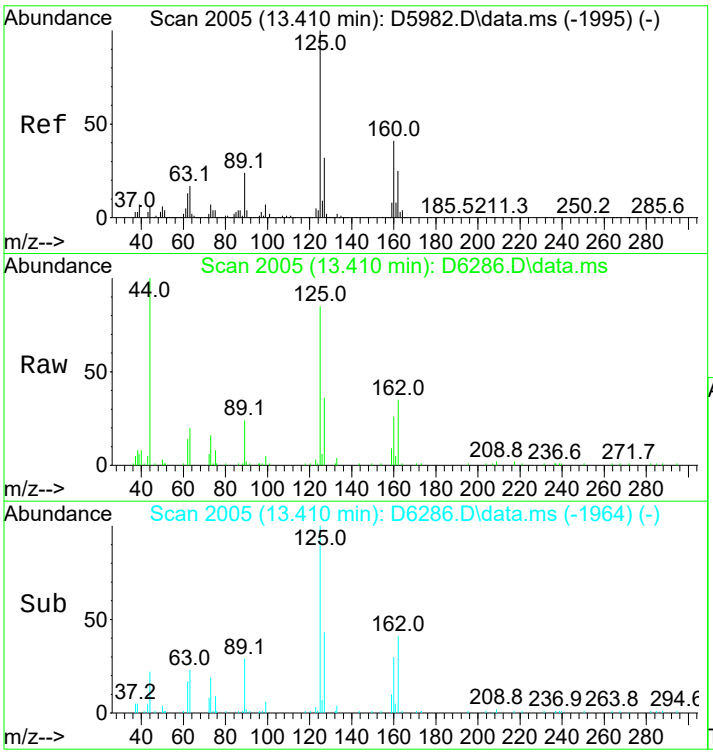


#113
1,3,5-Trichlorobenzene
Concen: 0.22 ug/L
RT: 13.130 min Scan# 1959
Delta R.T. -0.000 min
Lab File: D6286.D
Acq: 05 Jun 2024 12:22 pm

Tgt Ion:180 Resp: 974

Ion	Ratio	Lower	Upper
180	100		
182	98.3	72.0	112.0
145	16.4	4.8	44.8

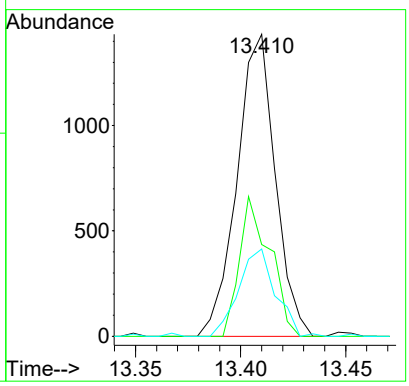


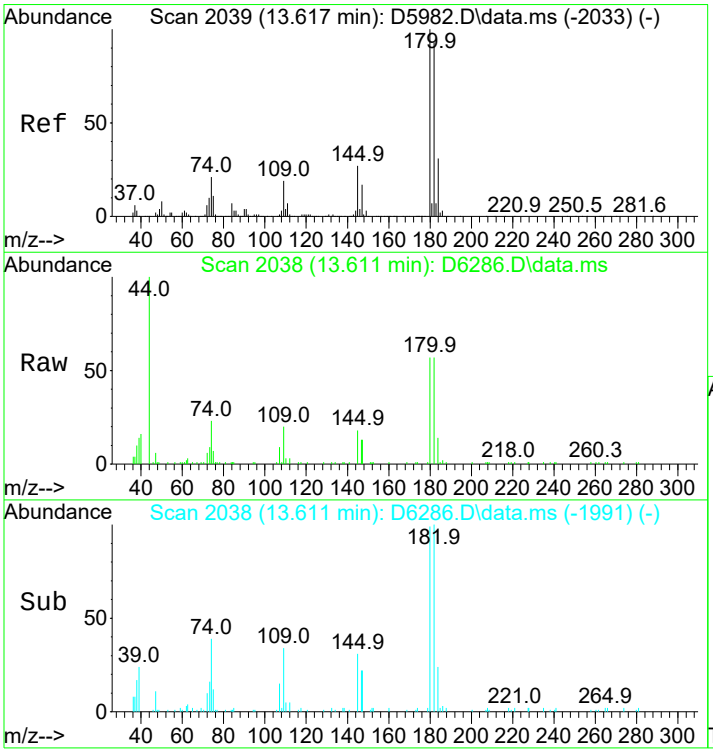


#114
Coelution Dichlorotoluene
Concen: 0.35 ug/L
RT: 13.410 min Scan# 2005
Delta R.T. -0.000 min
Lab File: D6286.D
Acq: 05 Jun 2024 12:22 pm

Tgt Ion:125 Resp: 1803

Ion	Ratio	Lower	Upper
125	100		
160	30.4	21.3	61.3
89	28.9	4.3	44.3

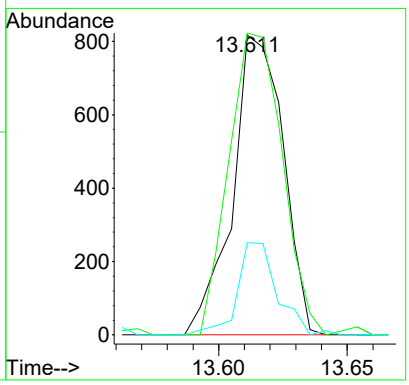


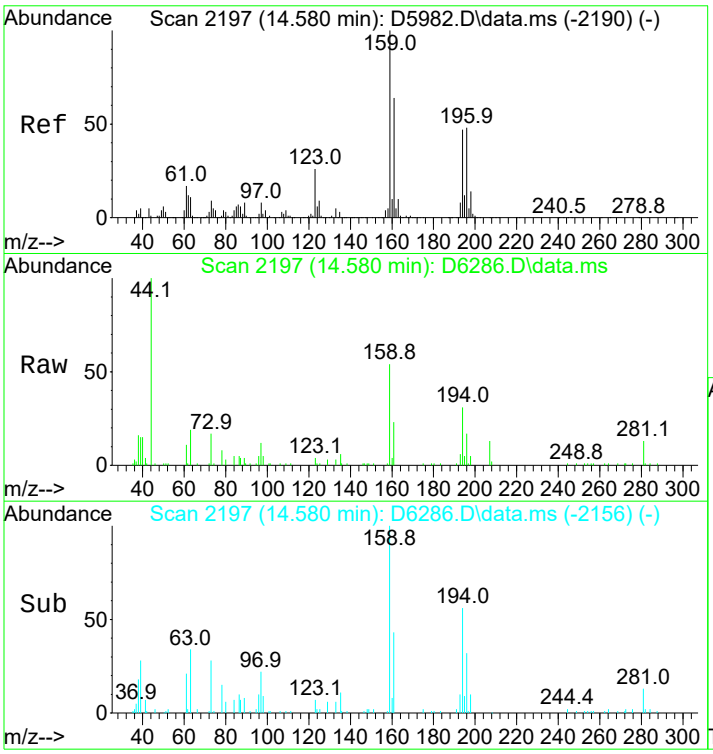


#115
1,2,4-Tcbenzene
Concen: 0.26 ug/L
RT: 13.611 min Scan# 2038
Delta R.T. -0.006 min
Lab File: D6286.D
Acq: 05 Jun 2024 12:22 pm

Tgt Ion:180 Resp: 1120

Ion	Ratio	Lower	Upper
180	100		
182	100.6	72.8	112.8
145	30.8	6.7	46.7

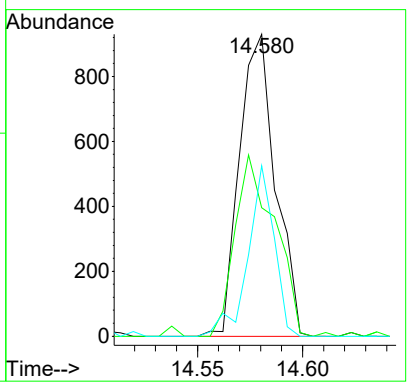




#119
2,4,5-Trichlorotoluene
Concen: 0.42 ug/L
RT: 14.580 min Scan# 2197
Delta R.T. -0.000 min
Lab File: D6286.D
Acq: 05 Jun 2024 12:22 pm

Tgt Ion:159 Resp: 1103

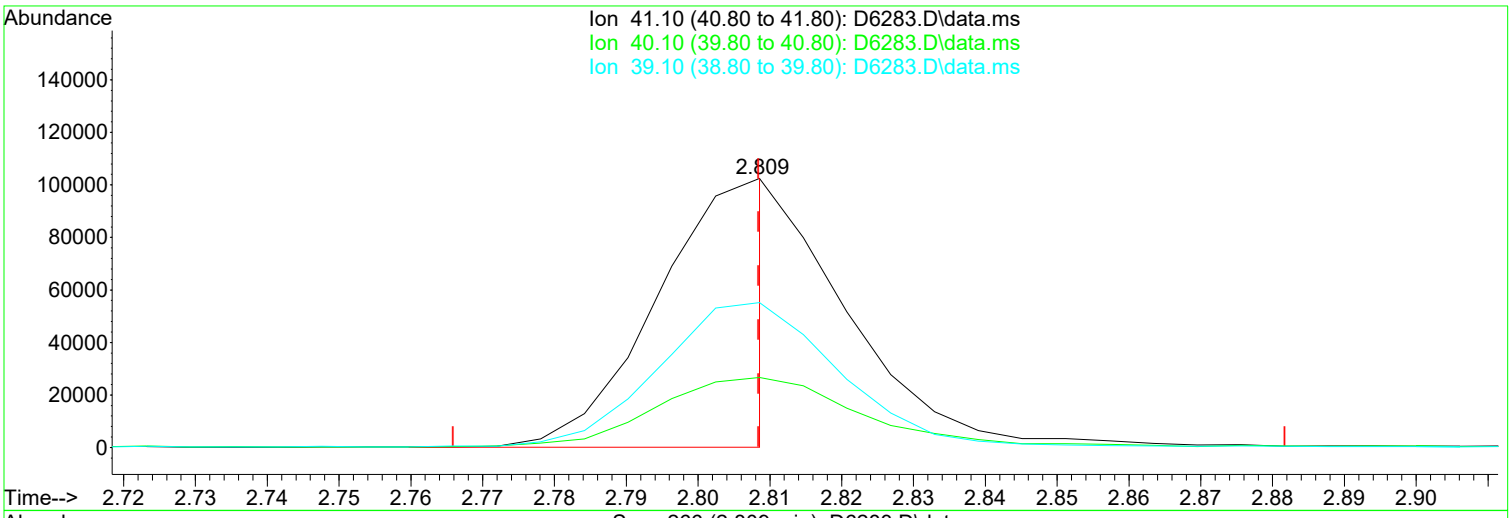
Ion	Ratio	Lower	Upper
159	100		
161	42.6	43.5	83.5#
194	56.5	27.1	67.1

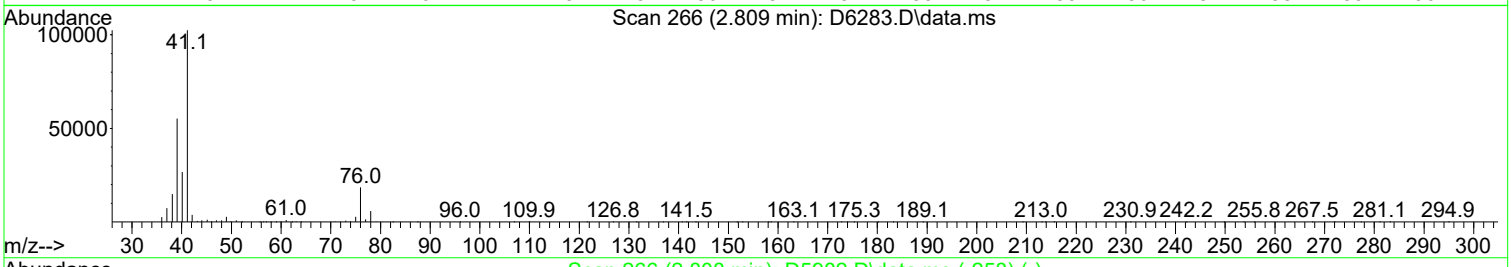


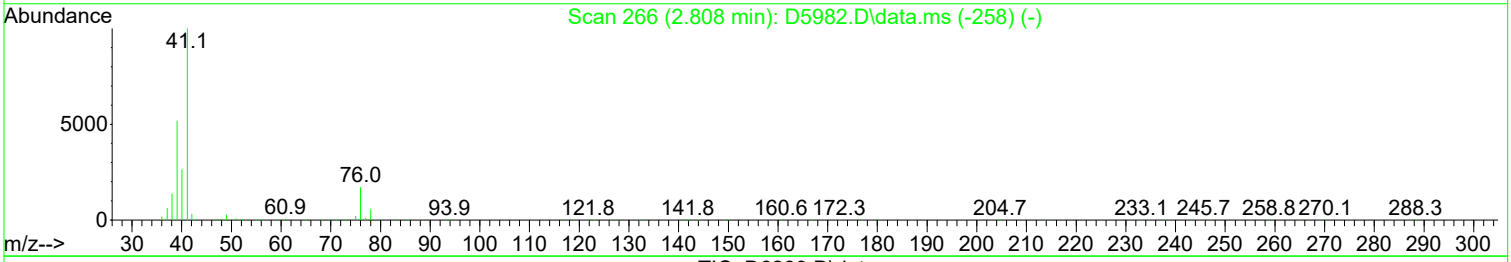
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\060524\
Data File : D6283.D
Acq On : 05 Jun 2024 10:52 am
Operator : F.NAEGLER
Sample : LCS-FP
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 05 11:08:34 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 29 09:21:22 2024
Response via : Initial Calibration







TIC: D6283.D\data.ms

(20) Acetonitrile

2.809min (+ 0.000) 117.10 ug/L m

response 116240

Ion	Exp%	Act%
41.10	100.00	100.00
40.10	26.70	25.99
39.10	52.10	53.89
0.00	0.00	0.00

Manual Integration:

After

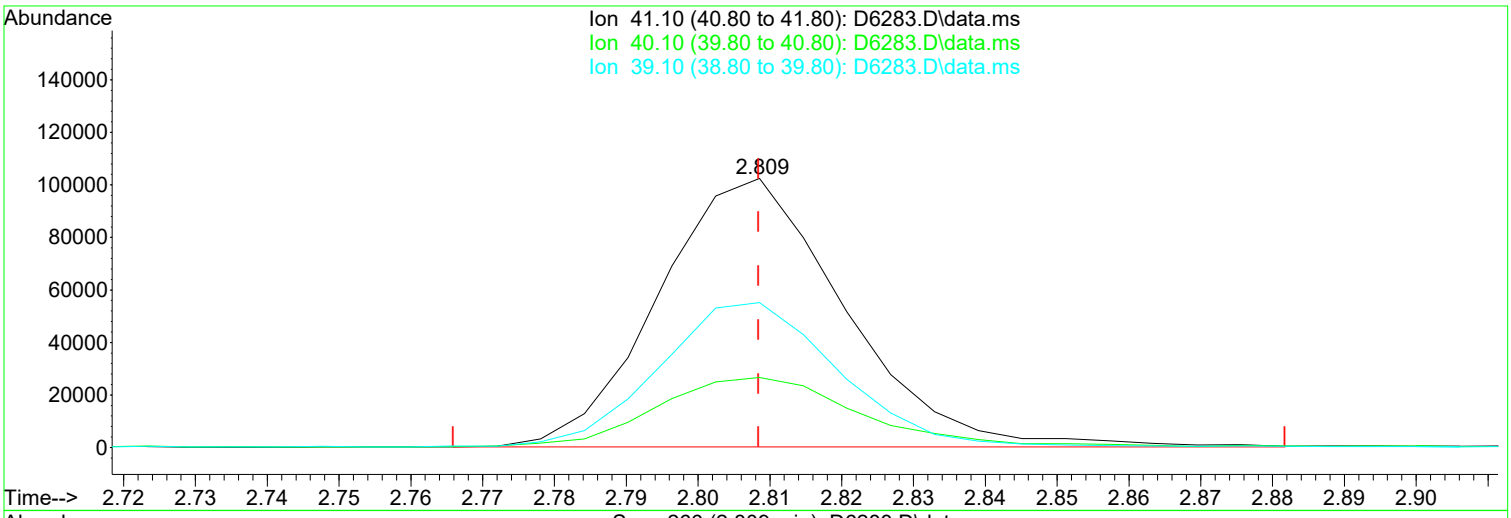
Poor integration.

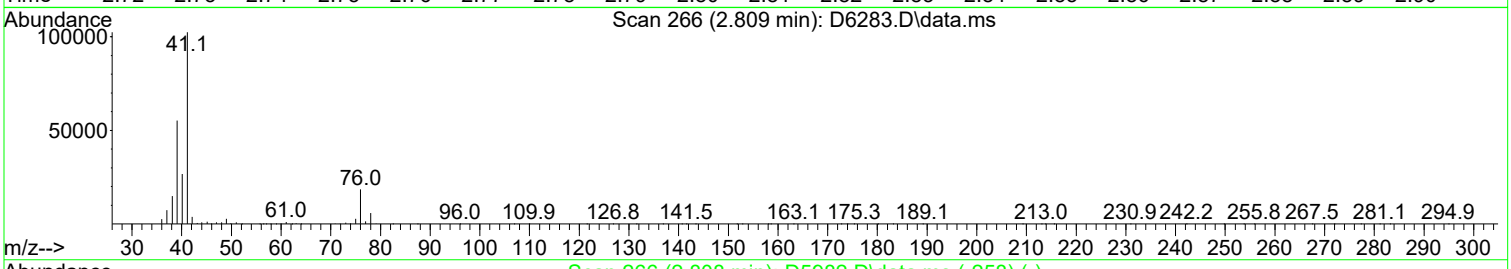
06/05/24

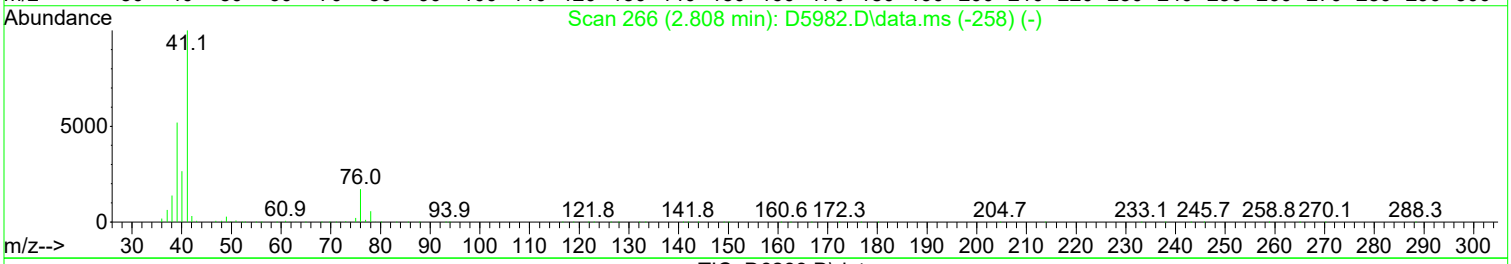
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\060524\
Data File : D6283.D
Acq On : 05 Jun 2024 10:52 am
Operator : F.NAEGLER
Sample : LCS-FP
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 05 11:08:34 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 29 09:21:22 2024
Response via : Initial Calibration







TIC: D6283.D\data.ms

(20) Acetonitrile

2.809min (+ 0.000) 186.39 ug/L

response 185024

Ion	Exp%	Act%
41.10	100.00	100.00
40.10	26.70	25.99
39.10	52.10	53.89
0.00	0.00	0.00

Manual Integration:

Before

06/05/24

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\060524\
Data File : D6283.D
Acq On : 05 Jun 2024 10:52 am
Operator : F.NAEGLER
Sample : LCS-FP
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 05 11:08:34 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 29 09:21:22 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.698	168	306700	50.00	ug/L		0.00
42) 1,4-Difluorobenzene	6.741	114	426117	50.00	ug/L		0.00
71) d5-Chlorobenzene	9.984	117	383606	50.00	ug/L		0.00
91) 1,4-Dichlorobenzene-d4	12.014	152	208128	50.00	ug/L		0.00
System Monitoring Compounds							
44) surr4,Dibrflmethane	5.576	113	128713	48.84	ug/L		0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 97.68%				
47) surr1,1,2-dichloroetha...	6.088	65	166821	50.90	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 101.80%				
65) SURR3,Toluene-d8	8.509	98	502946	49.13	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 98.26%				
70) SURR2,BFB	11.045	95	188996	49.16	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 98.32%				
Target Compounds							Qvalue
2) Chlorodifluoromethane	1.260	51	86380	25.148	ug/L		99
3) Dichlorodifluoromethane	1.242	85	83203	26.325	ug/L		99
4) Chloromethane	1.388	50	93136	22.986	ug/L		98
5) Vinyl Chloride	1.461	62	71201	20.276	ug/L		94
6) Bromomethane	1.699	94	33218	21.587	ug/L		98
7) Chloroethane	1.784	64	38549	15.685	ug/L		99
8) Freon 21	1.949	67	90365	19.456	ug/L		97
9) Trichlorofluoromethane	1.992	101	79889	21.683	ug/L		94
10) Diethyl Ether	2.242	59	55626	22.276	ug/L		98
11) Freon 123a	2.254	67	59841	21.846	ug/L		96
12) Freon 123	2.315	83	80261	25.025	ug/L		95
13) Acrolein	2.370	56	30130	38.719	ug/L		96
14) 1,1-Diclethene	2.443	96	44379	20.350	ug/L		89
15) Freon 113	2.443	101	45021	21.102	ug/L		93
16) Acetone	2.522	43	35672	19.285	ug/L		90
17) 2-Propanol	2.668	45	126474	388.355	ug/L		97
18) Iodomethane	2.595	142	54051	18.256	ug/L		95
19) Carbon Disulfide	2.650	76	130344	19.307	ug/L		98
20) Acetonitrile	2.809	41	116240m	117.098	ug/L		
21) Allyl Chloride	2.809	76	29047	24.614	ug/L	#	95
22) Methyl Acetate	2.845	43	67244	15.258	ug/L		99
23) Methylene Chloride	2.937	84	53732	21.967	ug/L		94
24) TBA	3.101	59	197416	402.461	ug/L		96
25) Acrylonitrile	3.247	53	168291	108.840	ug/L		94
26) Methyl-t-Butyl Ether	3.254	73	174245	21.583	ug/L		99
27) trans-1,2-Dichloroethene	3.241	96	47569	20.384	ug/L		95
28) 1,1-Diclethane	3.790	63	102599	22.224	ug/L		100
29) Vinyl Acetate	3.888	86	9683	26.329	ug/L	#	48
30) DIPE	3.906	45	198397	19.665	ug/L		89
31) 2-Chloro-1,3-Butadiene	3.912	53	91515	19.670	ug/L		100
32) ETBE	4.473	59	153695	18.541	ug/L		93
33) 2,2-Dichloropropane	4.680	77	73030	21.706	ug/L		93
34) cis-1,2-Dichloroethene	4.698	96	57696	21.685	ug/L		87
35) 2-Butanone	4.796	43	46525	20.059	ug/L		93
36) Propionitrile	4.912	54	69458	106.048	ug/L		95
37) Bromochloromethane	5.131	130	37500	21.439	ug/L		93
38) Methacrylonitrile	5.174	67	30170	22.070	ug/L		97
39) Tetrahydrofuran	5.241	42	31037	21.699	ug/L		92
40) Chloroform	5.302	83	92240	21.753	ug/L		97

Data Path : I:\ACQUDATA\msvoa10\data\060524\
Data File : D6283.D
Acq On : 05 Jun 2024 10:52 am
Operator : F.NAEGLER
Sample : LCS-FP
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 05 11:08:34 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 29 09:21:22 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) 1,1,1-Trichloroethane	5.552	97	75187	21.519	ug/L		97
43) Cyclohexane	5.607	41	63086	21.408	ug/L		100
45) Carbontetrachloride	5.802	117	60953	19.768	ug/L		98
46) 1,1-Dichloropropene	5.826	75	64606	19.849	ug/L		92
48) Benzene	6.137	78	206762	21.712	ug/L		96
49) 1,2-Dichloroethane	6.198	62	83343	21.375	ug/L		99
50) Iso-Butyl Alcohol	6.198	43	78049	412.230	ug/L		93
51) TAME	6.357	73	139259	19.437	ug/L		97
52) n-Heptane	6.564	43	80114	21.356	ug/L		95
53) 1-Butanol	7.119	56	111504	1109.358	ug/L		95
54) Trichloroethene	7.046	130	54758	21.290	ug/L		94
55) Methylcyclohexane	7.253	55	74509	20.188	ug/L		97
56) 1,2-Diclpropane	7.344	63	56831	20.644	ug/L		96
57) Dibromomethane	7.484	93	36001	21.778	ug/L		95
58) 1,4-Dioxane	7.558	88	22064	419.756	ug/L	#	77
59) Methyl Methacrylate	7.552	69	45498	21.156	ug/L		96
60) Bromodichloromethane	7.704	83	68881	20.882	ug/L		96
61) 2-Nitropropane	8.009	41	33061	40.486	ug/L		93
62) 2-Chloroethylvinyl Ether	8.058	63	837	0.473	ug/L	#	51
63) cis-1,3-Dichloropropene	8.234	75	77700	20.675	ug/L		97
64) 4-Methyl-2-pentanone	8.448	43	90144	19.755	ug/L		99
66) Toluene	8.582	91	227240	21.710	ug/L		99
67) trans-1,3-Dichloropropene	8.862	75	71494	23.117	ug/L		98
68) Ethyl Methacrylate	8.984	69	76941	19.718	ug/L		91
69) 1,1,2-Trichloroethane	9.051	97	50695	21.079	ug/L		93
72) Tetrachloroethene	9.155	164	43384	20.879	ug/L		98
73) 2-Hexanone	9.338	43	63604	19.667	ug/L		94
74) 1,3-Dichloropropane	9.216	76	86186	21.616	ug/L		97
75) Dibromochloromethane	9.435	129	51096	20.330	ug/L		98
76) N-Butyl Acetate	9.472	43	119946	18.131	ug/L		97
77) 1,2-Dibromoethane	9.533	107	47666	20.422	ug/L		96
78) 3-Chlorobenzotrifluoride	10.021	180	78313	19.408	ug/L		98
79) Chlorobenzene	10.008	112	147952	20.564	ug/L		95
80) 4-Chlorobenzotrifluoride	10.069	180	69937	18.799	ug/L		94
81) 1,1,1,2-Tetrachloroethane	10.094	131	48457	19.865	ug/L		95
82) Ethylbenzene	10.118	106	74560	20.289	ug/L		91
83) (m+p)Xylene	10.228	106	186108	41.592	ug/L		96
84) o-Xylene	10.588	106	92927	21.336	ug/L		99
85) Styrene	10.600	104	159931	21.026	ug/L		95
86) Bromoform	10.770	173	37252	20.751	ug/L		94
87) 2-Chlorobenzotrifluoride	10.831	180	79347	19.790	ug/L		98
88) Isopropylbenzene	10.917	105	231063	20.622	ug/L		96
89) Cyclohexanone	11.008	55	65328	88.370	ug/L		92
90) trans-1,4-Dichloro-2-B...	11.240	53	20969	19.028	ug/L		91
92) 1,1,2,2-Tetrachloroethane	11.191	83	71058	19.412	ug/L		95
93) Bromobenzene	11.173	156	66458	20.566	ug/L		98
94) 1,2,3-Trichloropropane	11.228	110	23824	22.106	ug/L	#	82
95) n-Propylbenzene	11.270	91	277915	21.434	ug/L		99
96) 2-Chlorotoluene	11.337	91	169000	21.233	ug/L		99
97) 3-Chlorotoluene	11.392	91	173180	21.143	ug/L		98
98) 4-Chlorotoluene	11.429	91	190434	21.053	ug/L		97
99) 1,3,5-Trimethylbenzene	11.417	105	198802	21.009	ug/L		99
100) tert-Butylbenzene	11.691	119	166447	20.629	ug/L		100
101) 1,2,4-Trimethylbenzene	11.728	105	202211	21.049	ug/L		98
102) 3,4-Dichlorobenzotrifl...	11.795	214	63700	19.423	ug/L		95
103) sec-Butylbenzene	11.874	105	237007	21.243	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\060524\
Data File : D6283.D
Acq On : 05 Jun 2024 10:52 am
Operator : F.NAEGLER
Sample : LCS-FP
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 05 11:08:34 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 29 09:21:22 2024
Response via : Initial Calibration

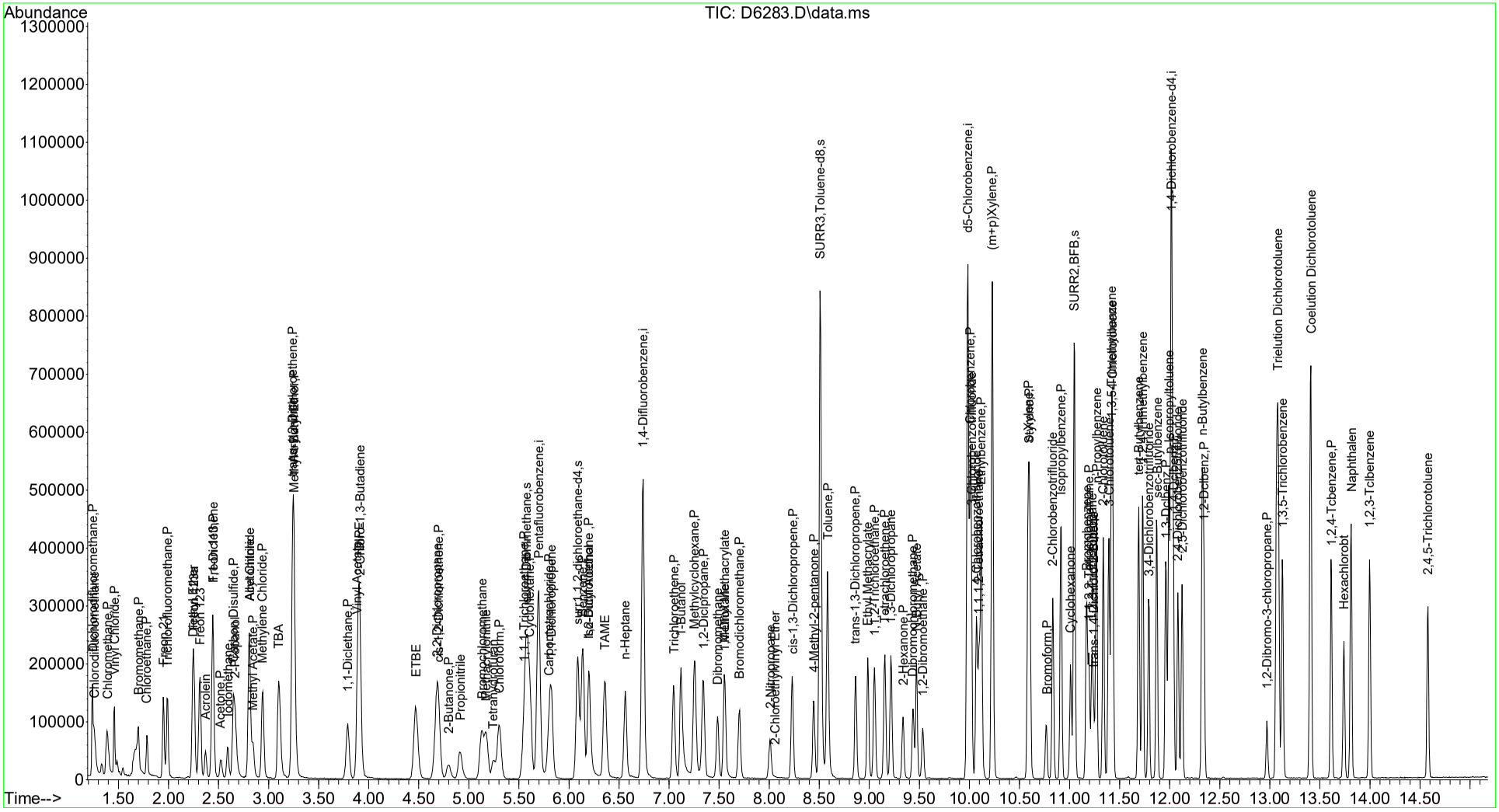
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) p-Isopropyltoluene	11.990	119	209722	21.274	ug/L	98
105) 1,3-Dclbenz	11.965	146	121968	21.128	ug/L	95
106) 1,4-Dclbenz	12.038	146	122672	20.380	ug/L	98
107) 2,4-Dichlorobenzotrifl...	12.081	214	61265	20.666	ug/L	99
108) 2,5-Dichlorobenzotrifl...	12.124	214	67441	20.010	ug/L	98
109) n-Butylbenzene	12.325	91	185296	21.710	ug/L	99
110) 1,2-Dclbenz	12.343	146	122095	20.791	ug/L	99
111) 1,2-Dibromo-3-chloropr...	12.971	157	17779	19.365	ug/L	94
112) Trielution Dichlorotol...	13.081	125	306184	65.130	ug/L	97
113) 1,3,5-Trichlorobenzene	13.124	180	92127	20.193	ug/L	95
114) Coelution Dichlorotoluene	13.410	125	232314	44.117	ug/L	97
115) 1,2,4-Tcbenzene	13.617	180	91917	21.112	ug/L	97
116) Hexachlorobt	13.739	225	35266	19.030	ug/L	95
117) Naphthalen	13.813	128	262759	21.611	ug/L	96
118) 1,2,3-Tclbenzene	13.995	180	93032	21.404	ug/L	96
119) 2,4,5-Trichlorotoluene	14.581	159	60669	22.768	ug/L	99

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\060524\
Data File : D6283.D
Acq On : 05 Jun 2024 10:52 am
Operator : F.NAEGLER
Sample : LCS-FP
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 05 11:08:34 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 29 09:21:22 2024
Response via : Initial Calibration

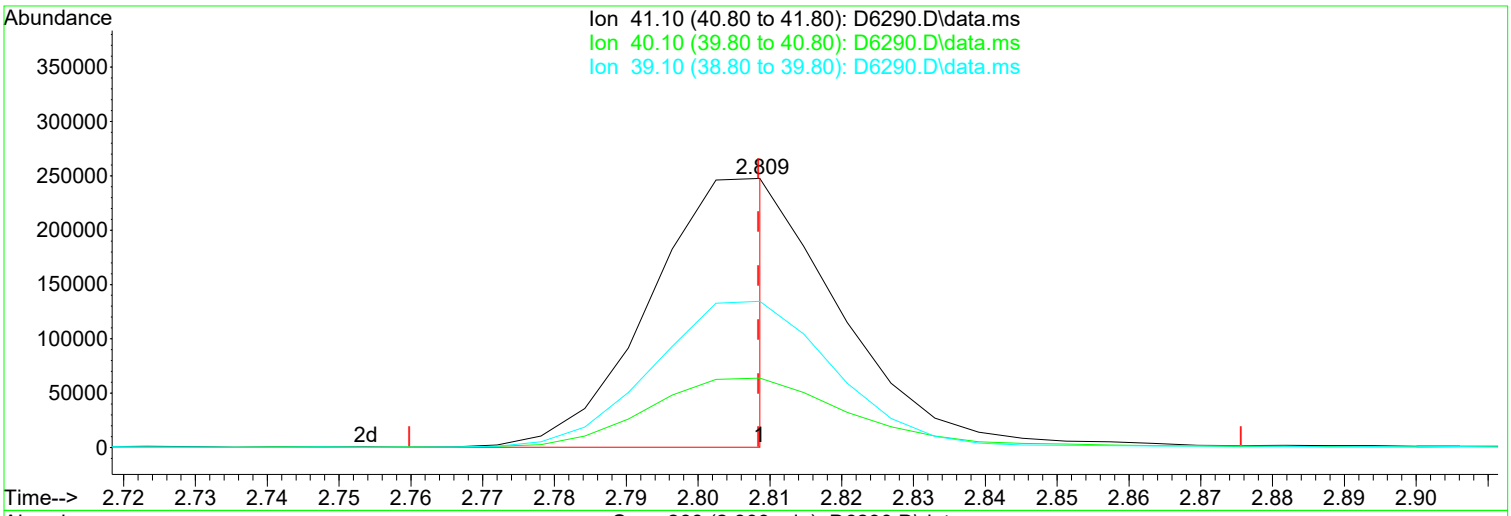


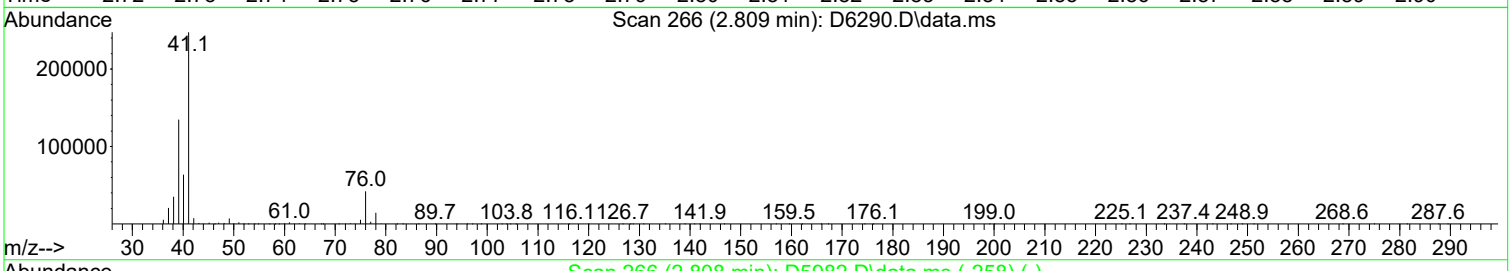
1st FJ 06/05/24

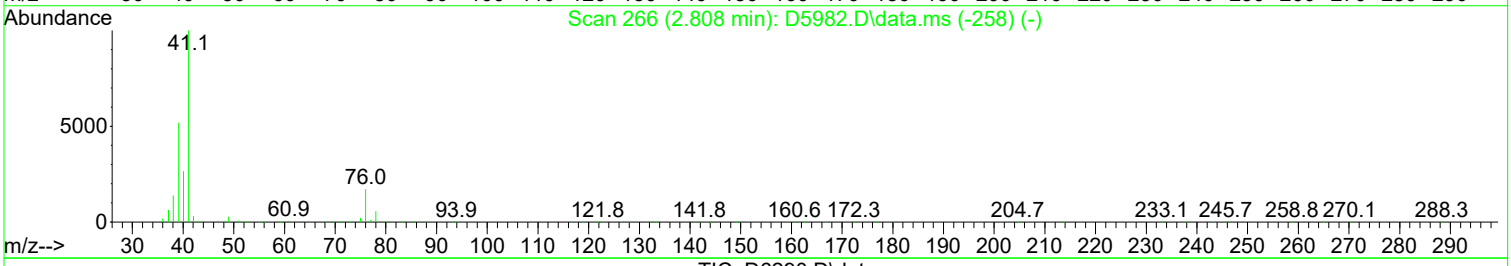
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\060524\
Data File : D6290.D
Acq On : 05 Jun 2024 02:02 pm
Operator : F.NAEGLER
Sample : R2404779-001MS
Misc : SCG 6368 T4
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 05 14:28:56 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 29 09:21:22 2024
Response via : Initial Calibration







TIC: D6290.D\data.ms

(20) Acetonitrile

2.809min (+ 0.000) 287.65 ug/L m

response 297858

Ion	Exp%	Act%
41.10	100.00	100.00
40.10	26.70	25.79
39.10	52.10	54.38
0.00	0.00	0.00

Manual Integration:

After

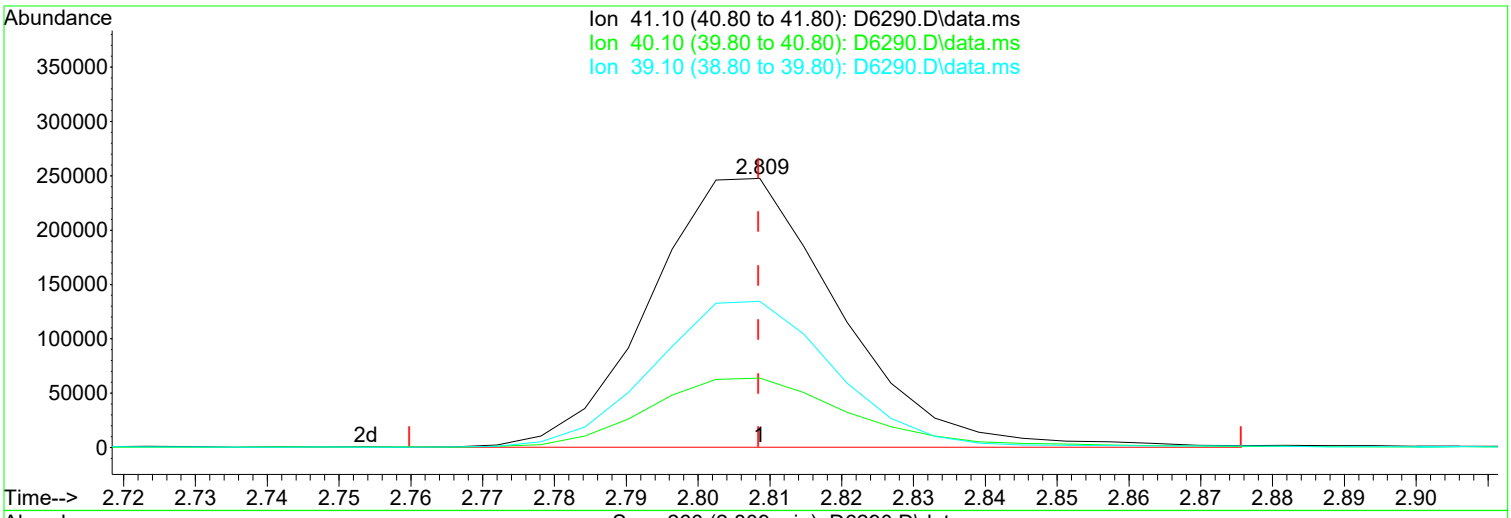
Poor integration.

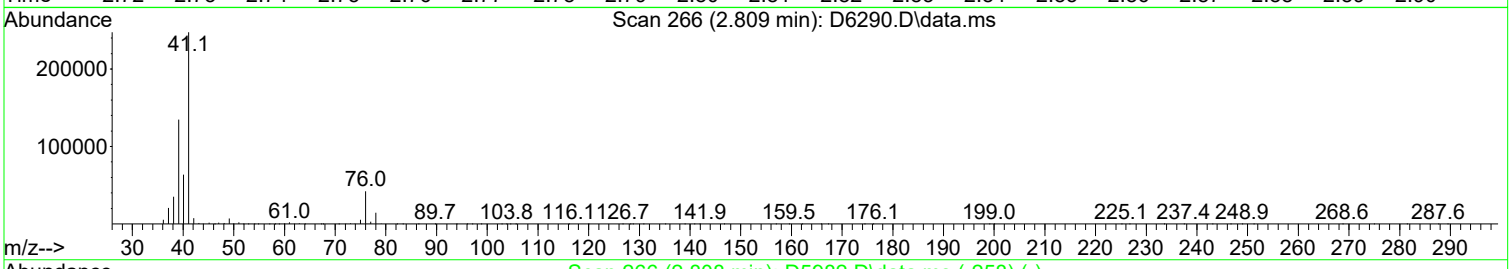
06/05/24

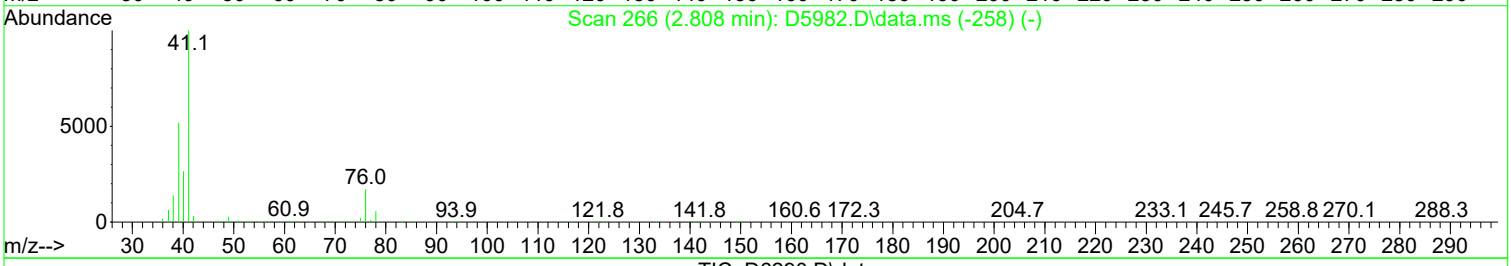
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\060524\
Data File : D6290.D
Acq On : 05 Jun 2024 02:02 pm
Operator : F.NAEGLER
Sample : R2404779-001MS
Misc : SCG 6368 T4
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 05 14:28:56 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 29 09:21:22 2024
Response via : Initial Calibration







TIC: D6290.D\data.ms

(20) Acetonitrile

2.809min (+ 0.000) 437.71 ug/L

response 453250

Ion	Exp%	Act%
41.10	100.00	100.00
40.10	26.70	25.79
39.10	52.10	54.38
0.00	0.00	0.00

Manual Integration:

Before

06/05/24

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\060524\
Data File : D6290.D
Acq On : 05 Jun 2024 02:02 pm
Operator : F.NAEGLER
Sample : R2404779-001MS
Misc : SCG 6368 T4
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 05 14:28:56 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 29 09:21:22 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.698	168	319929	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	6.741	114	447271	50.00	ug/L	0.00
71) d5-Chlorobenzene	9.984	117	400240	50.00	ug/L	0.00
91) 1,4-Dichlorobenzene-d4	12.014	152	217296	50.00	ug/L	0.00
System Monitoring Compounds						
44) surr4,Dibrflmethane	5.576	113	134737	48.71	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 97.42%			
47) surr1,1,2-dichloroetha...	6.088	65	176242	51.23	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 102.46%			
65) SURR3,Toluene-d8	8.509	98	529501	49.28	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 98.56%			
70) SURR2,BFB	11.045	95	199320	49.40	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 98.80%			
Target Compounds						Qvalue
2) Chlorodifluoromethane	1.260	51	231728	64.674	ug/L	99
3) Dichlorodifluoromethane	1.236	85	207792	63.027	ug/L	97
4) Chloromethane	1.394	50	237405	56.169	ug/L	98
5) Vinyl Chloride	1.455	62	187449	51.173	ug/L	99
6) Bromomethane	1.699	94	74795	48.396	ug/L	94
7) Chloroethane	1.784	64	103295	40.292	ug/L	98
8) Freon 21	1.949	67	237389	48.998	ug/L	99
9) Trichlorofluoromethane	1.986	101	210192	54.690	ug/L	97
10) Diethyl Ether	2.242	59	137752	52.883	ug/L	94
11) Freon 123a	2.254	67	163112	57.084	ug/L	95
12) Freon 123	2.315	83	216238	64.634	ug/L	96
13) Acrolein	2.370	56	61848	76.192	ug/L	95
14) 1,1-Diclethene	2.443	96	118354	52.028	ug/L #	87
15) Freon 113	2.437	101	116383	52.294	ug/L	91
16) Acetone	2.522	43	94501	48.977	ug/L	99
17) 2-Propanol	2.668	45	341024	1003.859	ug/L	98
18) Iodomethane	2.589	142	169059	47.033	ug/L	97
19) Carbon Disulfide	2.644	76	333134	47.304	ug/L	98
20) Acetonitrile	2.809	41	297858m	287.649	ug/L	
21) Allyl Chloride	2.809	76	69254	56.259	ug/L	95
22) Methyl Acetate	2.839	43	117764	25.616	ug/L	98
23) Methylene Chloride	2.943	84	132243	51.828	ug/L	91
24) TBA	3.101	59	500335	977.828	ug/L	97
25) Acrylonitrile	3.241	53	408087	253.013	ug/L	99
26) Methyl-t-Butyl Ether	3.254	73	435783	51.748	ug/L	98
27) trans-1,2-Dichloroethene	3.241	96	123276	50.642	ug/L	94
28) 1,1-Diclethane	3.790	63	263556	54.728	ug/L	96
29) Vinyl Acetate	3.894	86	15655	40.807	ug/L #	80
30) DIPE	3.900	45	521193	49.524	ug/L	97
31) 2-Chloro-1,3-Butadiene	3.906	53	248025	51.106	ug/L	99
32) ETBE	4.467	59	378688	43.794	ug/L	97
33) 2,2-Dichloropropane	4.674	77	118404	33.737	ug/L	95
34) cis-1,2-Dichloroethene	4.692	96	146236	52.689	ug/L	89
35) 2-Butanone	4.790	43	122402	50.592	ug/L	97
36) Propionitrile	4.906	54	168376	246.446	ug/L	94
37) Bromochloromethane	5.131	130	91997	50.421	ug/L	89
38) Methacrylonitrile	5.174	67	72990	51.187	ug/L	100
39) Tetrahydrofuran	5.235	42	76604	51.343	ug/L	96
40) Chloroform	5.308	83	238016	53.920	ug/L	98

Data Path : I:\ACQUDATA\msvoa10\data\060524\
Data File : D6290.D
Acq On : 05 Jun 2024 02:02 pm
Operator : F.NAEGLER
Sample : R2404779-001MS
Misc : SCG 6368 T4
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 05 14:28:56 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 29 09:21:22 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) 1,1,1-Trichloroethane	5.552	97	199147	54.641	ug/L		98
43) Cyclohexane	5.601	41	169061	54.657	ug/L		97
45) Carbontetrachloride	5.802	117	162801	50.301	ug/L		99
46) 1,1-Dichloropropene	5.826	75	165048	48.309	ug/L		94
48) Benzene	6.137	78	535920	53.615	ug/L		97
49) 1,2-Dichloroethane	6.198	62	207804	50.775	ug/L		98
50) Iso-Butyl Alcohol	6.198	43	212285	994.839	ug/L		97
51) TAME	6.357	73	337148	44.832	ug/L		96
52) n-Heptane	6.564	43	125235	31.804	ug/L		96
53) 1-Butanol	7.113	56	314805	2672.480	ug/L		97
54) Trichloroethene	7.046	130	140339	51.984	ug/L		98
55) Methylcyclohexane	7.253	55	184928	47.736	ug/L		94
56) 1,2-Diclpropane	7.344	63	143850	49.784	ug/L		98
57) Dibromomethane	7.484	93	87410	50.377	ug/L		96
58) 1,4-Dioxane	7.552	88	50667	918.325	ug/L		90
59) Methyl Methacrylate	7.552	69	114087	50.540	ug/L		95
60) Bromodichloromethane	7.704	83	173739	50.180	ug/L		99
61) 2-Nitropropane	8.009	41	89149	96.124	ug/L		97
62) 2-Chloroethylvinyl Ether	8.051	63	2572	1.383	ug/L	#	51
63) cis-1,3-Dichloropropene	8.228	75	190680	48.338	ug/L		98
64) 4-Methyl-2-pentanone	8.442	43	244121	50.968	ug/L		99
66) Toluene	8.582	91	577903	52.599	ug/L		100
67) trans-1,3-Dichloropropene	8.862	75	170250	49.597	ug/L		98
68) Ethyl Methacrylate	8.984	69	196674	48.019	ug/L		94
69) 1,1,2-Trichloroethane	9.051	97	127300	50.428	ug/L		96
72) Tetrachloroethene	9.155	164	108327	49.968	ug/L		95
73) 2-Hexanone	9.338	43	176887	50.040	ug/L		97
74) 1,3-Dichloropropane	9.216	76	209920	50.462	ug/L		98
75) Dibromochloromethane	9.435	129	129887	49.531	ug/L		99
76) N-Butyl Acetate	9.472	43	220443	31.937	ug/L		98
77) 1,2-Dibromoethane	9.533	107	120858	49.629	ug/L		100
78) 3-Chlorobenzotrifluoride	10.015	180	176267	41.868	ug/L		93
79) Chlorobenzene	10.008	112	366015	48.760	ug/L		97
80) 4-Chlorobenzotrifluoride	10.075	180	154521	39.808	ug/L		96
81) 1,1,1,2-Tetrachloroethane	10.094	131	117612	46.211	ug/L		98
82) Ethylbenzene	10.118	106	194808	50.806	ug/L		99
83) (m+p)Xylene	10.228	106	474560	101.647	ug/L		98
84) o-Xylene	10.588	106	236140	51.964	ug/L		98
85) Styrene	10.600	104	395716	49.863	ug/L		96
86) Bromoform	10.764	173	88011	46.989	ug/L		99
87) 2-Chlorobenzotrifluoride	10.831	180	194060	46.388	ug/L		96
88) Isopropylbenzene	10.917	105	589499	50.424	ug/L		99
89) Cyclohexanone	11.008	55	152249	197.390	ug/L		96
90) trans-1,4-Dichloro-2-B...	11.240	53	44549	38.746	ug/L		91
92) 1,1,2,2-Tetrachloroethane	11.191	83	175803	46.000	ug/L		98
93) Bromobenzene	11.173	156	161623	47.906	ug/L		94
94) 1,2,3-Trichloropropane	11.222	110	53977	47.972	ug/L		91
95) n-Propylbenzene	11.270	91	699549	51.677	ug/L		99
96) 2-Chlorotoluene	11.337	91	416566	50.129	ug/L		97
97) 3-Chlorotoluene	11.392	91	430739	50.369	ug/L		100
98) 4-Chlorotoluene	11.429	91	466064	49.351	ug/L		97
99) 1,3,5-Trimethylbenzene	11.417	105	497229	50.329	ug/L		97
100) tert-Butylbenzene	11.691	119	425450	50.506	ug/L		97
101) 1,2,4-Trimethylbenzene	11.728	105	492548	49.108	ug/L		98
102) 3,4-Dichlorobenzotrifl...	11.795	214	132917	38.817	ug/L		97
103) sec-Butylbenzene	11.874	105	607611	52.162	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\060524\
Data File : D6290.D
Acq On : 05 Jun 2024 02:02 pm
Operator : F.NAEGLER
Sample : R2404779-001MS
Misc : SCG 6368 T4
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 05 14:28:56 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 29 09:21:22 2024
Response via : Initial Calibration

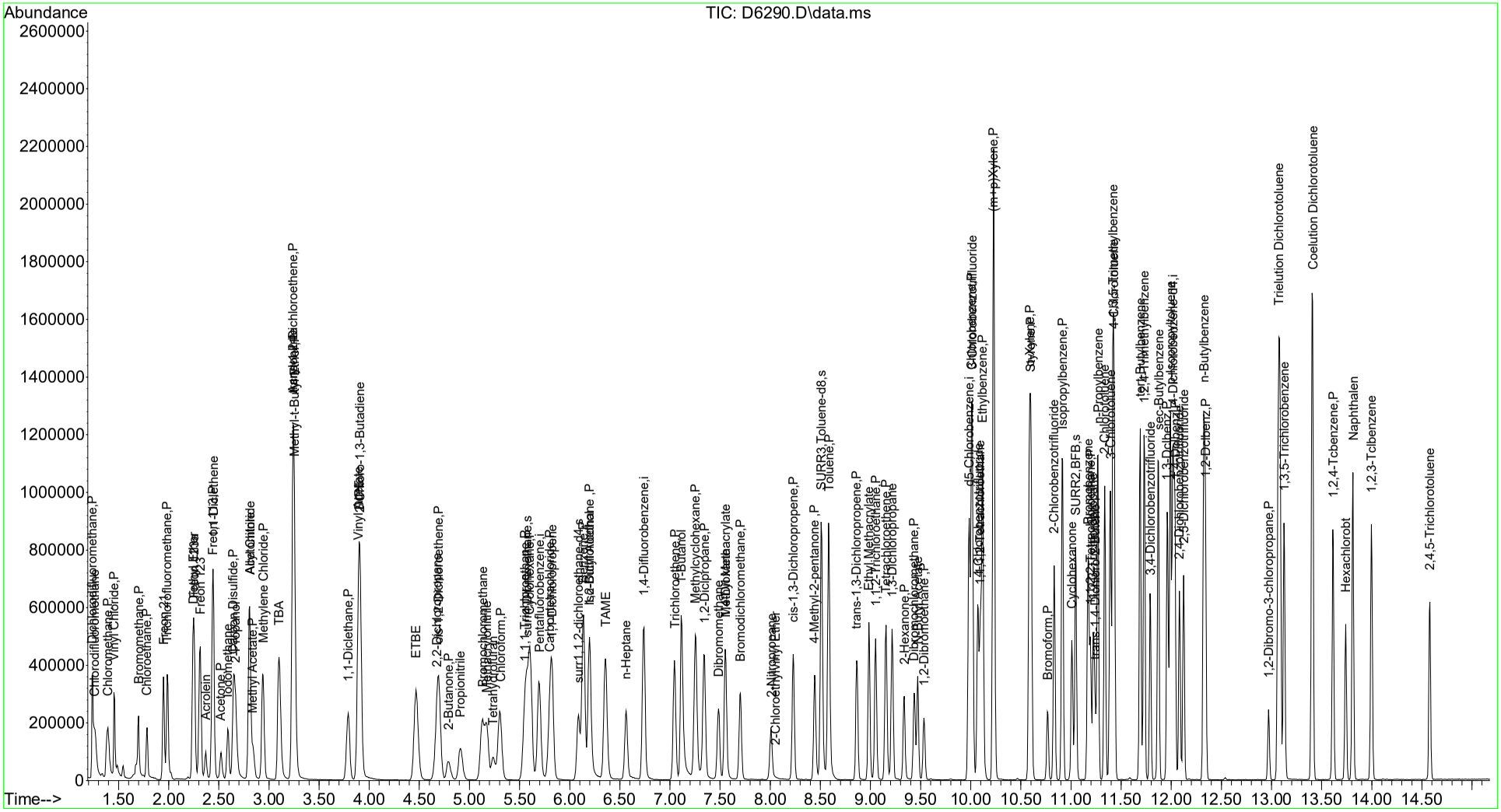
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) p-Isopropyltoluene	11.990	119	516802	50.211	ug/L	98
105) 1,3-Dclbenz	11.959	146	293332	48.670	ug/L	100
106) 1,4-Dclbenz	12.038	146	296952	47.252	ug/L	99
107) 2,4-Dichlorobenzotrifl...	12.081	214	127305	41.131	ug/L	99
108) 2,5-Dichlorobenzotrifl...	12.124	214	142090	40.381	ug/L	98
109) n-Butylbenzene	12.325	91	447976	50.272	ug/L	96
110) 1,2-Dclbenz	12.343	146	294249	47.991	ug/L	100
111) 1,2-Dibromo-3-chloropr...	12.971	157	46041	48.033	ug/L	93
112) Trielution Dichlorotol...	13.075	125	730150	148.761	ug/L	98
113) 1,3,5-Trichlorobenzene	13.124	180	214200	44.968	ug/L	95
114) Coelution Dichlorotoluene	13.410	125	552203	100.441	ug/L	96
115) 1,2,4-Tcbenzene	13.611	180	211376	46.501	ug/L	97
116) Hexachlorobt	13.739	225	79917	41.306	ug/L	98
117) Naphthalen	13.813	128	627500	49.433	ug/L	99
118) 1,2,3-Tclbenzene	13.995	180	214522	47.274	ug/L	98
119) 2,4,5-Trichlorotoluene	14.581	159	125926	45.263	ug/L	98

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\060524\
Data File : D6290.D
Acq On : 05 Jun 2024 02:02 pm
Operator : F.NAEGLER
Sample : R2404779-001MS
Misc : SCG 6368 T4
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 05 14:28:56 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 29 09:21:22 2024
Response via : Initial Calibration

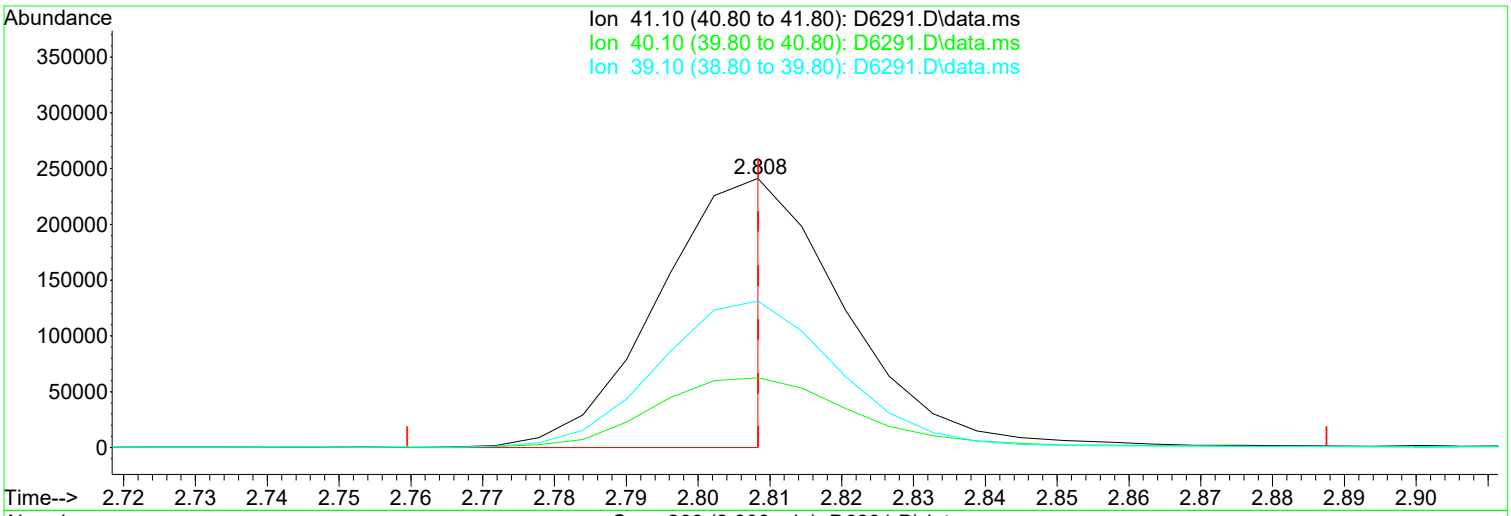


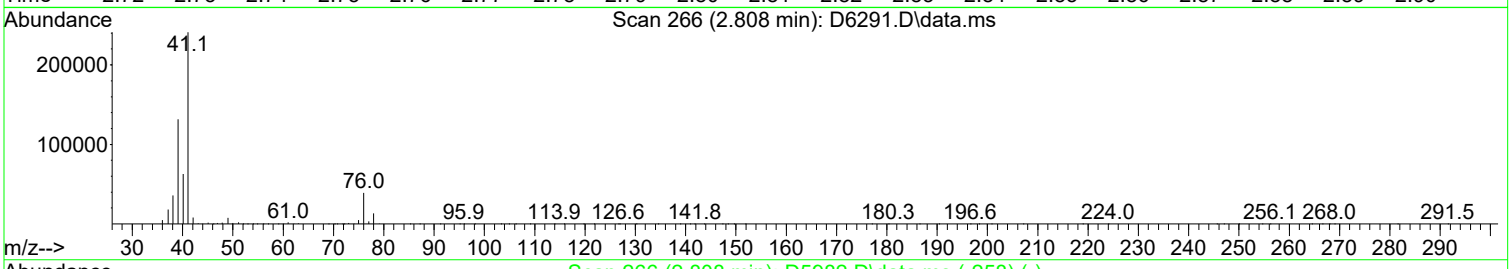
1st FJ 06/05/24

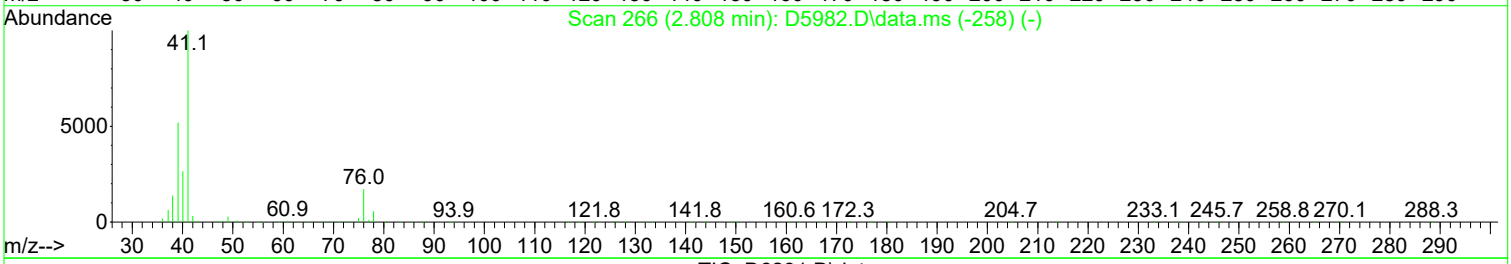
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\060524\
Data File : D6291.D
Acq On : 05 Jun 2024 02:25 pm
Operator : F.NAEGLER
Sample : R2404779-001DMS
Misc : SCG 6368 T4
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 05 14:42:07 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 29 09:21:22 2024
Response via : Initial Calibration







TIC: D6291.D\data.ms

(20) Acetonitrile

2.808min (-0.000) 273.28 ug/L m

response 271252

Ion	Exp%	Act%
41.10	100.00	100.00
40.10	26.70	25.98
39.10	52.10	54.53
0.00	0.00	0.00

Manual Integration:

After

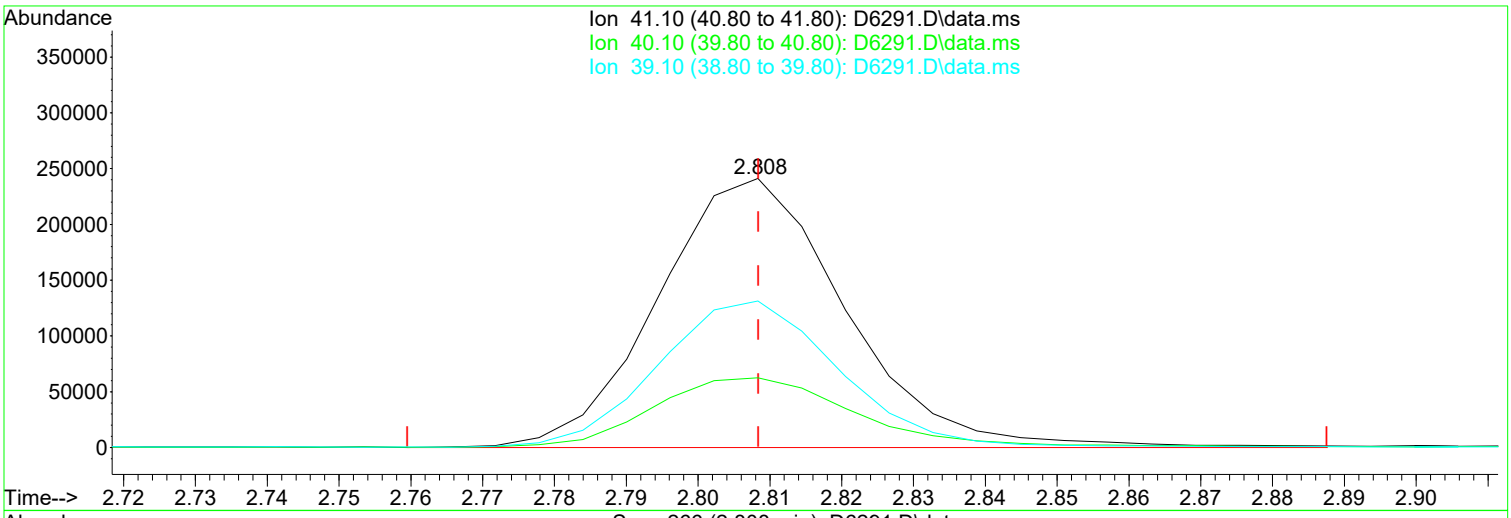
Poor integration.

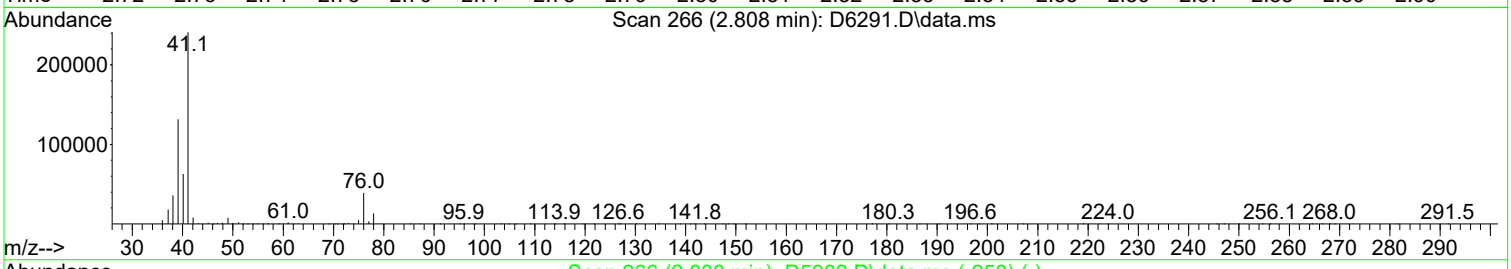
06/05/24

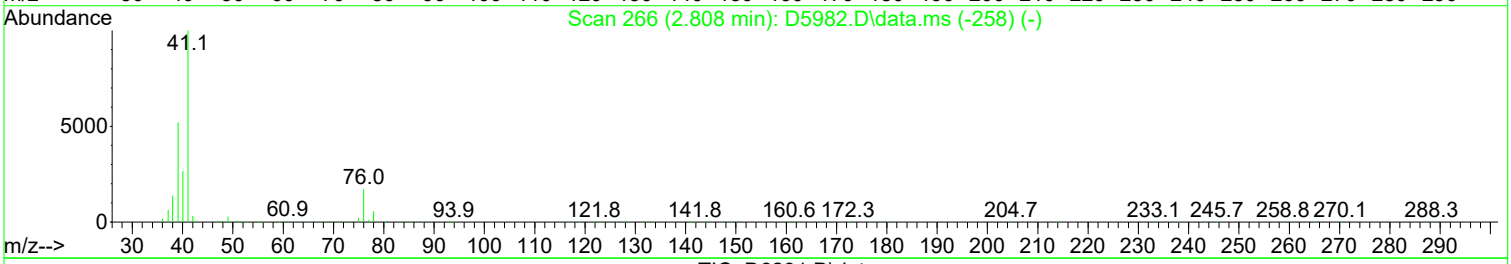
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\060524\
Data File : D6291.D
Acq On : 05 Jun 2024 02:25 pm
Operator : F.NAEGLER
Sample : R2404779-001DMS
Misc : SCG 6368 T4
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 05 14:42:07 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 29 09:21:22 2024
Response via : Initial Calibration







TIC: D6291.D\data.ms

(20) Acetonitrile

2.808min (-0.000) 442.66 ug/L

response 439378

Ion	Exp%	Act%
41.10	100.00	100.00
40.10	26.70	25.98
39.10	52.10	54.53
0.00	0.00	0.00

Manual Integration:

Before

06/05/24

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\060524\
Data File : D6291.D
Acq On : 05 Jun 2024 02:25 pm
Operator : F.NAEGLER
Sample : R2404779-001DMS
Misc : SCG 6368 T4
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 05 14:42:07 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 29 09:21:22 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.698	168	306671	50.00	ug/L		0.00
42) 1,4-Difluorobenzene	6.740	114	424741	50.00	ug/L		0.00
71) d5-Chlorobenzene	9.984	117	386992	50.00	ug/L		0.00
91) 1,4-Dichlorobenzene-d4	12.014	152	212458	50.00	ug/L		0.00
System Monitoring Compounds							
44) surr4,Dibrflmethane	5.576	113	128263	48.82	ug/L		0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 97.64%				
47) surr1,1,2-dichloroetha...	6.088	65	168595	51.61	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 103.22%				
65) SURR3,Toluene-d8	8.508	98	510456	50.02	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 100.04%				
70) SURR2,BFB	11.045	95	188517	49.20	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 98.40%				
Target Compounds							Qvalue
2) Chlorodifluoromethane	1.260	51	227006	66.095	ug/L		97
3) Dichlorodifluoromethane	1.242	85	199923	63.262	ug/L		98
4) Chloromethane	1.394	50	239981	59.233	ug/L		99
5) Vinyl Chloride	1.461	62	183114	52.151	ug/L		99
6) Bromomethane	1.699	94	75214	50.885	ug/L		98
7) Chloroethane	1.784	64	100704	40.980	ug/L		95
8) Freon 21	1.949	67	227606	49.010	ug/L		99
9) Trichlorofluoromethane	1.985	101	204352	55.470	ug/L		97
10) Diethyl Ether	2.241	59	133695	53.545	ug/L		95
11) Freon 123a	2.254	67	155321	56.707	ug/L		94
12) Freon 123	2.315	83	199461	62.197	ug/L		97
13) Acrolein	2.369	56	60753	78.078	ug/L		97
14) 1,1-Diclethene	2.443	96	115870	53.138	ug/L		95
15) Freon 113	2.443	101	108327	50.779	ug/L		97
16) Acetone	2.522	43	91623	49.538	ug/L		96
17) 2-Propanol	2.662	45	344256	1057.183	ug/L		98
18) Iodomethane	2.589	142	169967	49.111	ug/L		100
19) Carbon Disulfide	2.650	76	322723	47.807	ug/L		97
20) Acetonitrile	2.808	41	271252m	273.279	ug/L		
21) Allyl Chloride	2.808	76	66377	56.253	ug/L	#	85
22) Methyl Acetate	2.845	43	112784	25.593	ug/L		99
23) Methylene Chloride	2.942	84	128519	52.546	ug/L		92
24) TBA	3.101	59	484482	987.780	ug/L		100
25) Acrylonitrile	3.241	53	392658	253.971	ug/L		97
26) Methyl-t-Butyl Ether	3.253	73	418552	51.850	ug/L		96
27) trans-1,2-Dichloroethene	3.241	96	118949	50.977	ug/L		97
28) 1,1-Diclethane	3.790	63	255140	55.271	ug/L		96
29) Vinyl Acetate	3.900	86	15713	42.729	ug/L	#	71
30) DIPE	3.900	45	498999	49.465	ug/L		96
31) 2-Chloro-1,3-Butadiene	3.906	53	234577	50.425	ug/L		99
32) ETBE	4.473	59	368191	44.421	ug/L		96
33) 2,2-Dichloropropane	4.680	77	114504	34.036	ug/L		96
34) cis-1,2-Dichloroethene	4.698	96	138194	51.944	ug/L		95
35) 2-Butanone	4.790	43	116708	50.324	ug/L		94
36) Propionitrile	4.912	54	160792	245.520	ug/L		97
37) Bromochloromethane	5.137	130	87682	50.133	ug/L		97
38) Methacrylonitrile	5.174	67	68387	50.032	ug/L		87
39) Tetrahydrofuran	5.235	42	74158	51.852	ug/L		89
40) Chloroform	5.308	83	225358	53.263	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\060524\
Data File : D6291.D
Acq On : 05 Jun 2024 02:25 pm
Operator : F.NAEGLER
Sample : R2404779-001DMS
Misc : SCG 6368 T4
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 05 14:42:07 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 29 09:21:22 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) 1,1,1-Trichloroethane	5.552	97	193770	55.464	ug/L		99
43) Cyclohexane	5.600	41	161055	54.831	ug/L		99
45) Carbontetrachloride	5.808	117	157519	51.251	ug/L		98
46) 1,1-Dichloropropene	5.826	75	156373	48.197	ug/L		93
48) Benzene	6.137	78	511969	53.935	ug/L		97
49) 1,2-Dichloroethane	6.198	62	196752	50.625	ug/L		98
50) Iso-Butyl Alcohol	6.198	43	207328	1020.395	ug/L		96
51) TAME	6.356	73	326885	45.772	ug/L		94
52) n-Heptane	6.564	43	119442	31.942	ug/L		94
53) 1-Butanol	7.112	56	309899	2755.891	ug/L		97
54) Trichloroethene	7.045	130	132944	51.857	ug/L		98
55) Methylcyclohexane	7.253	55	178166	48.430	ug/L		89
56) 1,2-Diclpropane	7.338	63	138731	50.559	ug/L		95
57) Dibromomethane	7.484	93	83626	50.753	ug/L		99
58) 1,4-Dioxane	7.551	88	52026	992.974	ug/L		99
59) Methyl Methacrylate	7.551	69	110445	51.522	ug/L		98
60) Bromodichloromethane	7.704	83	165199	50.244	ug/L		99
61) 2-Nitropropane	8.009	41	85821	97.293	ug/L		97
62) 2-Chloroethylvinyl Ether	8.051	63	2511	1.422	ug/L	#	53
63) cis-1,3-Dichloropropene	8.228	75	181402	48.425	ug/L		95
64) 4-Methyl-2-pentanone	8.441	43	241624	53.123	ug/L		99
66) Toluene	8.582	91	552927	52.996	ug/L		99
67) trans-1,3-Dichloropropene	8.862	75	161091	49.434	ug/L		99
68) Ethyl Methacrylate	8.984	69	189722	48.778	ug/L		95
69) 1,1,2-Trichloroethane	9.051	97	119456	49.831	ug/L		92
72) Tetrachloroethene	9.155	164	106458	50.786	ug/L		96
73) 2-Hexanone	9.331	43	172033	50.316	ug/L		97
74) 1,3-Dichloropropane	9.216	76	203829	50.675	ug/L		98
75) Dibromochloromethane	9.435	129	124398	49.062	ug/L		98
76) N-Butyl Acetate	9.472	43	216344	32.416	ug/L		99
77) 1,2-Dibromoethane	9.533	107	115063	48.867	ug/L		98
78) 3-Chlorobenzotrifluoride	10.014	180	169367	41.606	ug/L		97
79) Chlorobenzene	10.008	112	352899	48.622	ug/L		98
80) 4-Chlorobenzotrifluoride	10.069	180	151834	40.455	ug/L		94
81) 1,1,1,2-Tetrachloroethane	10.093	131	113754	46.225	ug/L		98
82) Ethylbenzene	10.118	106	184460	49.755	ug/L		99
83) (m+p)Xylene	10.228	106	462204	102.390	ug/L		99
84) o-Xylene	10.587	106	227719	51.827	ug/L		97
85) Styrene	10.606	104	386248	50.336	ug/L		97
86) Bromoform	10.764	173	86892	47.980	ug/L		99
87) 2-Chlorobenzotrifluoride	10.831	180	183551	45.378	ug/L		99
88) Isopropylbenzene	10.916	105	565363	50.015	ug/L		100
89) Cyclohexanone	11.008	55	152773	204.850	ug/L		91
90) trans-1,4-Dichloro-2-B...	11.240	53	43140	38.805	ug/L		90
92) 1,1,2,2-Tetrachloroethane	11.191	83	166497	44.557	ug/L		98
93) Bromobenzene	11.173	156	160010	48.508	ug/L		96
94) 1,2,3-Trichloropropane	11.221	110	53338	48.483	ug/L		96
95) n-Propylbenzene	11.270	91	671042	50.700	ug/L		99
96) 2-Chlorotoluene	11.337	91	400541	49.298	ug/L		99
97) 3-Chlorotoluene	11.392	91	408521	48.859	ug/L		99
98) 4-Chlorotoluene	11.429	91	455613	49.343	ug/L		99
99) 1,3,5-Trimethylbenzene	11.416	105	484832	50.192	ug/L		98
100) tert-Butylbenzene	11.691	119	416722	50.596	ug/L		99
101) 1,2,4-Trimethylbenzene	11.727	105	488411	49.804	ug/L		95
102) 3,4-Dichlorobenzotrifl...	11.794	214	128318	38.328	ug/L		95
103) sec-Butylbenzene	11.874	105	584827	51.350	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\060524\
Data File : D6291.D
Acq On : 05 Jun 2024 02:25 pm
Operator : F.NAEGLER
Sample : R2404779-001DMS
Misc : SCG 6368 T4
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 05 14:42:07 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 29 09:21:22 2024
Response via : Initial Calibration

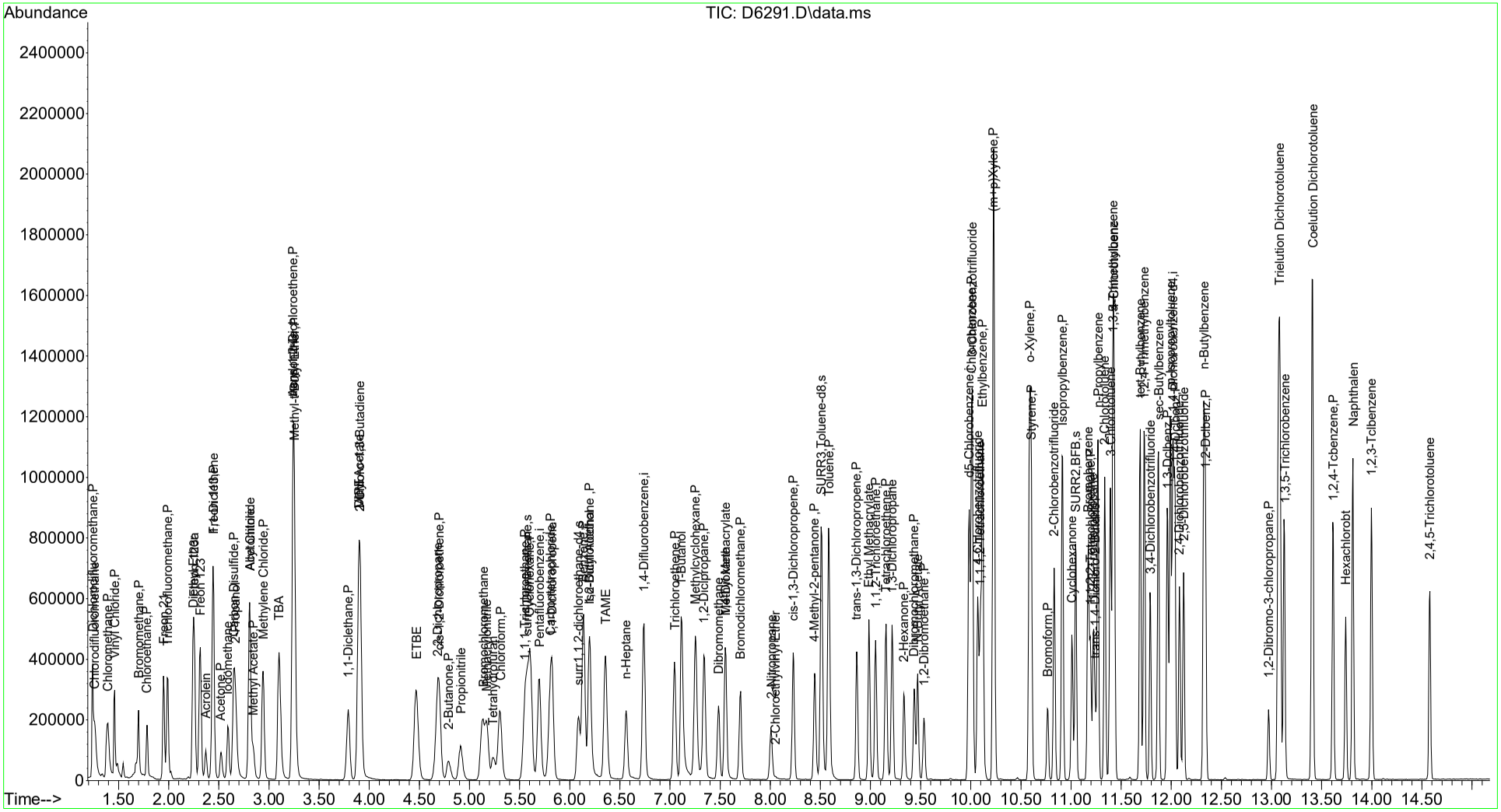
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) p-Isopropyltoluene	11.989	119	506356	50.316	ug/L	99
105) 1,3-Dclbenz	11.965	146	284788	48.328	ug/L	97
106) 1,4-Dclbenz	12.038	146	284009	46.222	ug/L	99
107) 2,4-Dichlorobenzotrifl...	12.081	214	123235	40.722	ug/L	96
108) 2,5-Dichlorobenzotrifl...	12.124	214	138787	40.340	ug/L	98
109) n-Butylbenzene	12.325	91	438038	50.277	ug/L	99
110) 1,2-Dclbenz	12.343	146	288223	48.079	ug/L	99
111) 1,2-Dibromo-3-chloropr...	12.971	157	43976	46.923	ug/L	92
112) Trielution Dichlorotol...	13.081	125	710606	148.076	ug/L	97
113) 1,3,5-Trichlorobenzene	13.129	180	211575	45.428	ug/L	93
114) Coelution Dichlorotoluene	13.410	125	542983	101.013	ug/L	97
115) 1,2,4-Tcbenzene	13.617	180	211951	47.689	ug/L	98
116) Hexachlorobt	13.739	225	78656	41.580	ug/L	98
117) Naphthalen	13.812	128	629190	50.695	ug/L	99
118) 1,2,3-Tclbenzene	13.995	180	215508	48.573	ug/L	95
119) 2,4,5-Trichlorotoluene	14.580	159	126971	46.678	ug/L	97

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\060524\
Data File : D6291.D
Acq On : 05 Jun 2024 02:25 pm
Operator : F.NAEGLER
Sample : R2404779-001DMS
Misc : SCG 6368 T4
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 05 14:42:07 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 29 09:21:22 2024
Response via : Initial Calibration

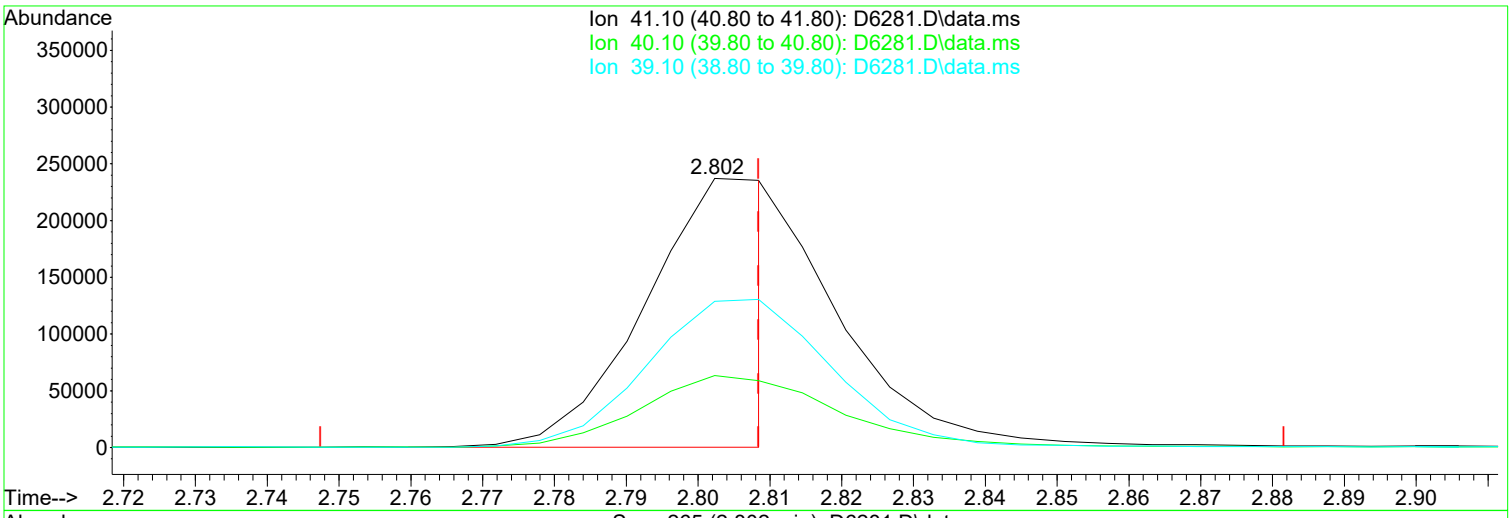


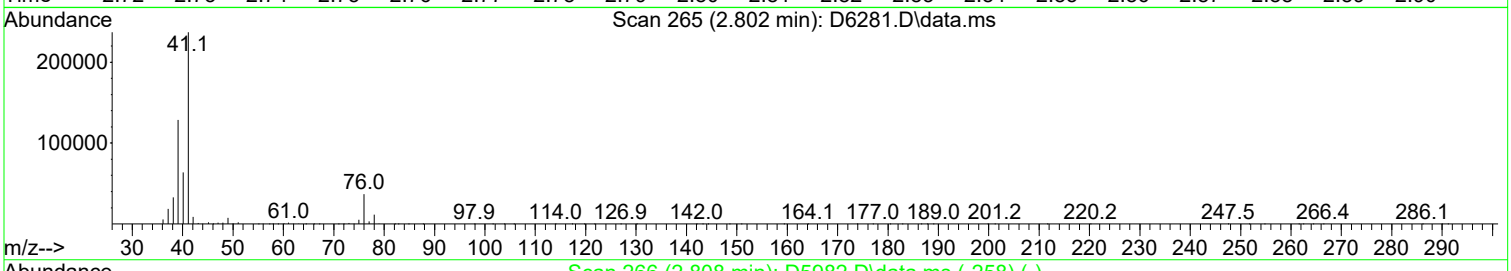
1st FJ 06/05/24

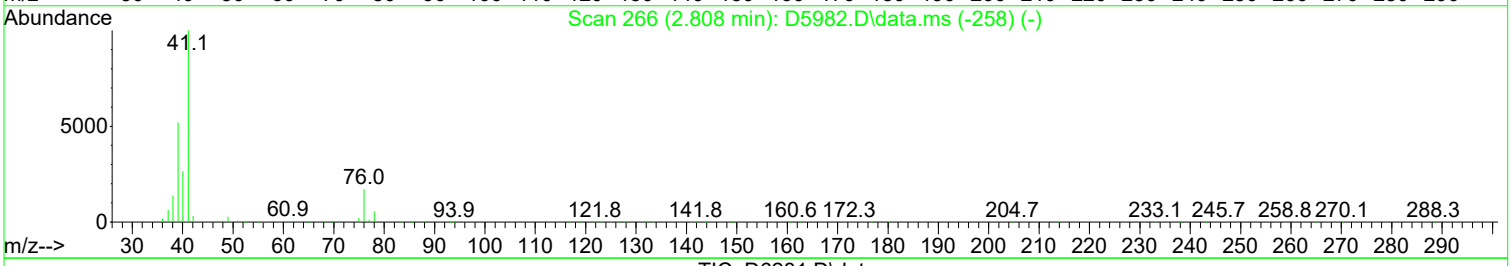
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\060524\
Data File : D6281.D
Acq On : 05 Jun 2024 09:55 am
Operator : F.NAEGLER
Sample : CCV
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 05 10:11:44 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 29 09:21:22 2024
Response via : Initial Calibration







TIC: D6281.D\data.ms

(20) Acetonitrile

2.802min (-0.006) 265.69 ug/L m

response 289839

Ion	Exp%	Act%
41.10	100.00	100.00
40.10	26.70	26.82
39.10	52.10	54.32
0.00	0.00	0.00

Manual Integration:

After

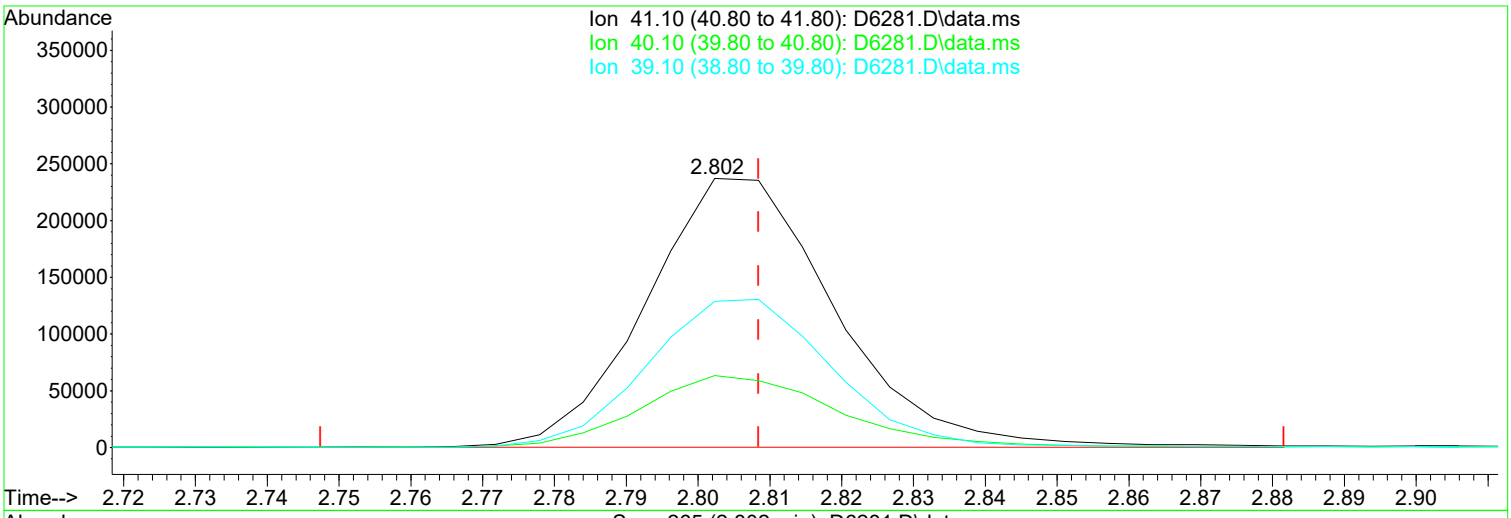
Poor integration.

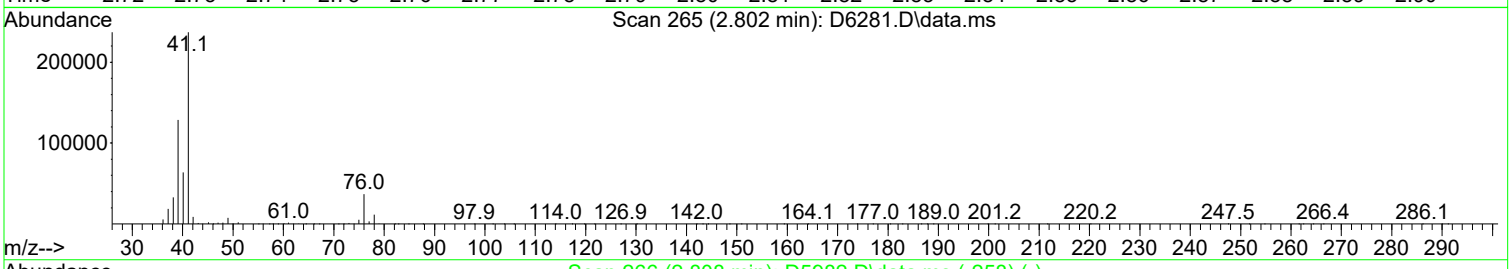
06/05/24

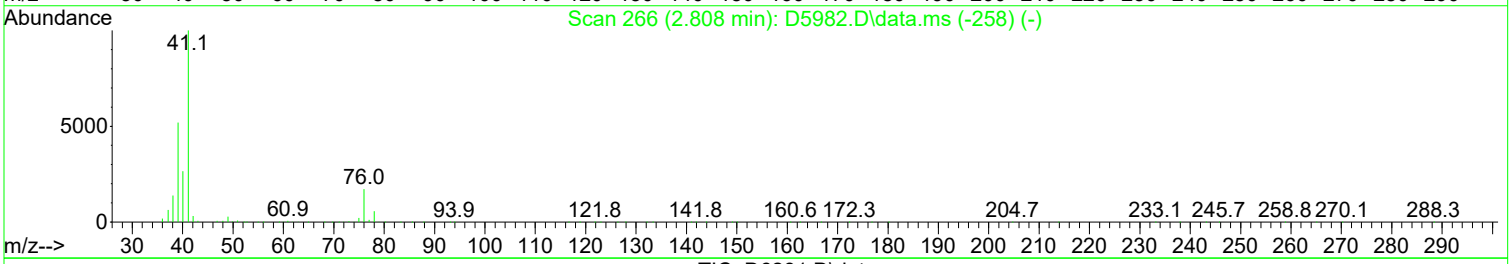
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\060524\
Data File : D6281.D
Acq On : 05 Jun 2024 09:55 am
Operator : F.NAEGLER
Sample : CCV
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 05 10:11:44 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 29 09:21:22 2024
Response via : Initial Calibration







TIC: D6281.D\data.ms

(20) Acetonitrile **Manual Integration:**

2.802min (-0.006) 398.68 ug/L **Before**

response 434909

Ion	Exp%	Act%	06/05/24
41.10	100.00	100.00	
40.10	26.70	26.82	
39.10	52.10	54.32	
0.00	0.00	0.00	

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\msvoa10\data\060524\
Data File : D6281.D
Acq On : 05 Jun 2024 09:55 am
Operator : F.NAEGLER
Sample : CCV
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 05 10:11:44 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 29 09:21:22 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	i	Pentafluorobenzene	50.000	50.000	0.0	88	0.00
2		Chlorodifluoromethane	50.000	45.290	9.4	75	0.00
3	P	Dichlorodifluoromethane	50.000	59.442	-18.9	90	0.00
4	P	Chloromethane	50.000	50.456	-0.9	80	0.00
5	P	Vinyl Chloride	50.000	52.039	-4.1	83	0.00
6	P	Bromomethane	50.000	48.640	2.7	84	0.00
7	P	Chloroethane	50.000	50.189	-0.4	82	0.00
8		Freon 21	50.000	44.208	11.6	75	0.00
9	P	Trichlorofluoromethane	50.000	52.791	-5.6	87	0.00
10		Diethyl Ether	50.000	49.909	0.2	81	0.00
11		Freon 123a	50.000	44.074	11.9	74	0.00
12		Freon 123	50.000	42.582	14.8	73	0.00
13		Acrolein	250.000	215.358	13.9	73	0.00
14		1,1-Diclethene	50.000	49.228	1.5	83	0.00
15	P	Freon 113	50.000	52.152	-4.3	85	0.00
16	P	Acetone	50.000	37.833	24.3#	71	0.00
17		2-Propanol	1000.000	786.872	21.3#	64	0.00
18		Iodomethane	50.000	50.323	-0.6	86	0.00
19	P	Carbon Disulfide	50.000	54.123	-8.2	94	0.00
20		Acetonitrile	250.000	265.693	-6.3	83	0.00
21		Allyl Chloride	50.000	51.786	-3.6	81	0.00
22	P	Methyl Acetate	50.000	45.119	9.8	75	0.00
23	P	Methylene Chloride	50.000	50.298	-0.6	84	0.00
24		TBA	1000.000	722.345	27.8#	62	0.00
25		Acrylonitrile	250.000	231.198	7.5	76	0.00
26	P	Methyl-t-Butyl Ether	50.000	48.094	3.8	78	0.00
27	P	trans-1,2-Dichloroethene	50.000	48.165	3.7	81	0.00
28	P	1,1-Diclethane	50.000	49.221	1.6	83	0.00
29		Vinyl Acetate	50.000	47.286	5.4	76	0.00
30		DIPE	50.000	50.357	-0.7	82	0.00
31		2-Chloro-1,3-Butadiene	50.000	55.556	-11.1	95	0.00
32		ETBE	50.000	48.945	2.1	80	0.00
33		2,2-Dichloropropane	50.000	51.418	-2.8	86	0.00
34	P	cis-1,2-Dichloroethene	50.000	48.153	3.7	82	0.00
35	P	2-Butanone	50.000	41.718	16.6	73	0.00
36		Propionitrile	250.000	217.989	12.8	74	0.00
37		Bromochloromethane	50.000	48.804	2.4	81	0.00
38		Methacrylonitrile	50.000	44.948	10.1	75	0.00
39		Tetrahydrofuran	50.000	42.829	14.3	72	0.00
40	P	Chloroform	50.000	48.846	2.3	84	0.00
41	P	1,1,1-Trichloroethane	50.000	49.945	0.1	83	0.00
42	i	1,4-Difluorobenzene	50.000	50.000	0.0	89	0.00
43	P	Cyclohexane	50.000	45.754	8.5	79	0.00
44	s	surr4,Dibrflmethane	50.000	46.926	6.1	85	0.00
45	P	Carbontetrachloride	50.000	46.508	7.0	82	0.00
46		1,1-Dichloropropene	50.000	47.893	4.2	85	0.00
47	s	surr1,1,2-dichloroethane-d4	50.000	47.659	4.7	86	0.00
48	P	Benzene	50.000	48.974	2.1	84	0.00
49	P	1,2-Dichloroethane	50.000	48.947	2.1	83	0.00
50		Iso-Butyl Alcohol	1000.000	747.425	25.3#	60	0.00
51		TAME	50.000	45.572	8.9	78	0.00

Data Path : I:\ACQUDATA\msvoa10\data\060524\
Data File : D6281.D
Acq On : 05 Jun 2024 09:55 am
Operator : F.NAEGLER
Sample : CCV
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 05 10:11:44 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 29 09:21:22 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
52		n-Heptane	50.000	54.413	-8.8	94	0.00
53		1-Butanol	2500.000	1960.233	21.6#	60	0.00
54	P	Trichloroethene	50.000	49.007	2.0	83	0.00
55	P	Methylcyclohexane	50.000	42.277	15.4	74	0.00
56	P	1,2-Diclpropane	50.000	46.842	6.3	80	0.00
57		Dibromomethane	50.000	48.397	3.2	82	0.00
58		1,4-Dioxane	1000.000	764.871	23.5#	66	0.00
59		Methyl Methacrylate	50.000	44.794	10.4	74	0.00
60	P	Bromodichloromethane	50.000	47.405	5.2	82	0.00
61		2-Nitropropane	100.000	83.315	16.7	67	0.00
62		2-Chloroethylvinyl Ether	50.000	39.964	20.1#	67	0.00
63	P	cis-1,3-Dichloropropene	50.000	50.190	-0.4	83	0.00
64	P	4-Methyl-2-pentanone	50.000	42.436	15.1	73	0.00
65	s	SURR3,Toluene-d8	50.000	46.845	6.3	85	0.00
66	P	Toluene	50.000	49.277	1.4	82	0.00
67	P	trans-1,3-Dichloropropene	50.000	51.767	-3.5	83	0.00
68		Ethyl Methacrylate	50.000	43.723	12.6	73	0.00
69	P	1,1,2-Trichloroethane	50.000	47.725	4.5	79	0.00
70	s	SURR2,BFB	50.000	47.209	5.6	85	0.00
71	i	d5-Chlorobenzene	50.000	50.000	0.0	90	0.00
72	P	Tetrachloroethene	50.000	48.756	2.5	82	0.00
73	P	2-Hexanone	50.000	40.229	19.5	71	0.00
74		1,3-Dichloropropane	50.000	48.659	2.7	82	0.00
75	P	Dibromochloromethane	50.000	47.593	4.8	77	0.00
76		N-Butyl Acetate	50.000	40.501	19.0	69	0.00
77	P	1,2-Dibromoethane	50.000	48.029	3.9	83	0.00
78		3-Chlorobenzotrifluoride	50.000	42.465	15.1	73	0.00
79	P	Chlorobenzene	50.000	47.171	5.7	81	0.00
80		4-Chlorobenzotrifluoride	50.000	42.144	15.7	75	0.00
81		1,1,1,2-Tetrachloroethane	50.000	44.709	10.6	75	0.00
82	P	Ethylbenzene	50.000	48.321	3.4	83	0.00
83	P	(m+p)Xylene	100.000	96.366	3.6	81	0.00
84	P	o-Xylene	50.000	49.406	1.2	83	0.00
85	P	Styrene	50.000	48.920	2.2	80	0.00
86	P	Bromoform	50.000	42.149	15.7	73	0.00
87		2-Chlorobenzotrifluoride	50.000	42.394	15.2	73	0.00
88	P	Isopropylbenzene	50.000	49.979	0.0	85	0.00
89		Cyclohexanone	1000.000	356.851	64.3#	28	0.00
90		trans-1,4-Dichloro-2-Butene	50.000	45.497	9.0	82	0.00
91	i	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	93	0.00
92	P	1,1,2,2-Tetrachloroethane	50.000	41.267	17.5	73	0.00
93		Bromobenzene	50.000	45.441	9.1	82	0.00
94		1,2,3-Trichloropropane	50.000	41.707	16.6	74	0.00
95		n-Propylbenzene	50.000	49.603	0.8	86	0.00
96		2-Chlorotoluene	50.000	47.881	4.2	84	0.00
97		3-Chlorotoluene	50.000	44.083	11.8	78	0.00
98		4-Chlorotoluene	50.000	47.265	5.5	84	0.00
99		1,3,5-Trimethylbenzene	50.000	48.943	2.1	85	0.00
100		tert-Butylbenzene	50.000	47.278	5.4	84	0.00
101		1,2,4-Trimethylbenzene	50.000	48.236	3.5	83	0.00

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\msvoa10\data\060524\
Data File : D6281.D
Acq On : 05 Jun 2024 09:55 am
Operator : F.NAEGLER
Sample : CCV
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 05 10:11:44 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 29 09:21:22 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
102		3,4-Dichlorobenzotrifluorid	50.000	41.842	16.3	77	0.00
103		sec-Butylbenzene	50.000	50.276	-0.6	87	0.00
104		p-Isopropyltoluene	50.000	49.967	0.1	86	0.00
105	P	1,3-Dclbenz	50.000	46.759	6.5	84	0.00
106	P	1,4-Dclbenz	50.000	45.135	9.7	82	0.00
107		2,4-Dichlorobenzotrifluorid	50.000	42.278	15.4	75	0.00
108		2,5-Dichlorobenzotrifluorid	50.000	42.226	15.5	79	0.00
109		n-Butylbenzene	50.000	52.398	-4.8	90	0.00
110	P	1,2-Dclbenz	50.000	44.973	10.1	80	0.00
111	P	1,2-Dibromo-3-chloropropane	50.000	38.200	23.6#	67	0.00
112		Trielution Dichlorotoluene	150.000	138.342	7.8	80	0.00
113		1,3,5-Trichlorobenzene	50.000	43.476	13.0	79	0.00
114		Coelution Dichlorotoluene	100.000	93.016	7.0	81	0.00
115	P	1,2,4-Tcbenzene	50.000	47.525	5.0	83	0.00
116		Hexachlorobt	50.000	46.611	6.8	83	0.00
117		Naphthalen	50.000	43.782	12.4	76	0.00
118		1,2,3-Tclbenzene	50.000	47.196	5.6	83	0.00
119		2,4,5-Trichlorotoluene	50.000	47.260	5.5	78	0.00
120		2,3,6-Trichlorotoluene	50.000	0.000	100.0#	0	-14.67#

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\060524\
Data File : D6281.D
Acq On : 05 Jun 2024 09:55 am
Operator : F.NAEGLER
Sample : CCV
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 05 10:11:44 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 29 09:21:22 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.692	168	337042	50.00	ug/L		0.00
42) 1,4-Difluorobenzene	6.741	114	468347	50.00	ug/L		0.00
71) d5-Chlorobenzene	9.984	117	422089	50.00	ug/L		0.00
91) 1,4-Dichlorobenzene-d4	12.020	152	240185	50.00	ug/L		0.00
System Monitoring Compounds							
44) surr4,Dibrflmethane	5.576	113	135932	46.93	ug/L		0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 93.86%				
47) surr1,1,2-dichloroetha...	6.088	65	171673	47.66	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 95.32%				
65) SURR3,Toluene-d8	8.508	98	527100	46.85	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 93.70%				
70) SURR2,BFB	11.045	95	199471	47.21	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 94.42%				
Target Compounds							Qvalue
2) Chlorodifluoromethane	1.254	51	170955	45.290	ug/L		97
3) Dichlorodifluoromethane	1.242	85	206454	59.442	ug/L		100
4) Chloromethane	1.382	50	224667	50.456	ug/L		99
5) Vinyl Chloride	1.461	62	200817	52.039	ug/L		100
6) Bromomethane	1.699	94	79176	48.640	ug/L		98
7) Chloroethane	1.784	64	135547	50.189	ug/L		97
8) Freon 21	1.949	67	225638	44.208	ug/L		98
9) Trichlorofluoromethane	1.991	101	213745	52.791	ug/L		98
10) Diethyl Ether	2.241	59	136959	49.909	ug/L		96
11) Freon 123a	2.254	67	132675	44.074	ug/L		100
12) Freon 123	2.315	83	150082	42.582	ug/L		98
13) Acrolein	2.369	56	184166	215.358	ug/L		98
14) 1,1-Diclethene	2.443	96	117976	49.228	ug/L		94
15) Freon 113	2.443	101	122276	52.152	ug/L		98
16) Acetone	2.516	43	76903	37.833	ug/L		96
17) 2-Propanol	2.662	45	281609	786.872	ug/L		99
18) Iodomethane	2.589	142	191882	50.323	ug/L		99
19) Carbon Disulfide	2.650	76	401544	54.123	ug/L		98
20) Acetonitrile	2.802	41	289839m	265.693	ug/L		
21) Allyl Chloride	2.808	76	67158	51.786	ug/L	#	91
22) Methyl Acetate	2.839	43	218521	45.119	ug/L		98
23) Methylene Chloride	2.943	84	135205	50.298	ug/L		97
24) TBA	3.095	59	389380	722.345	ug/L		95
25) Acrylonitrile	3.241	53	392848	231.198	ug/L		100
26) Methyl-t-Butyl Ether	3.247	73	426678	48.094	ug/L		95
27) trans-1,2-Dichloroethene	3.241	96	123517	48.165	ug/L		97
28) 1,1-Diclethane	3.790	63	249717	49.221	ug/L		98
29) Vinyl Acetate	3.894	86	19111	47.286	ug/L	#	82
30) DIPE	3.900	45	558298	50.357	ug/L		98
31) 2-Chloro-1,3-Butadiene	3.906	53	284042	55.556	ug/L		99
32) ETBE	4.467	59	445862	48.945	ug/L		100
33) 2,2-Dichloropropane	4.674	77	190110	51.418	ug/L		98
34) cis-1,2-Dichloroethene	4.692	96	140796	48.153	ug/L		92
35) 2-Butanone	4.790	43	106331	41.718	ug/L		94
36) Propionitrile	4.906	54	156900	217.989	ug/L		95
37) Bromochloromethane	5.131	130	93811	48.804	ug/L		95
38) Methacrylonitrile	5.168	67	67523	44.948	ug/L		94
39) Tetrahydrofuran	5.235	42	67319	42.829	ug/L		90
40) Chloroform	5.302	83	227048	48.846	ug/L		93

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\060524\
Data File : D6281.D
Acq On : 05 Jun 2024 09:55 am
Operator : F.NAEGLER
Sample : CCV
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 05 10:11:44 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 29 09:21:22 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) 1,1,1-Trichloroethane	5.552	97	191766	49.945	ug/L	98
43) Cyclohexane	5.601	41	148192	45.754	ug/L	96
45) Carbontetrachloride	5.802	117	157618	46.508	ug/L	94
46) 1,1-Dichloropropene	5.826	75	171340	47.893	ug/L	94
48) Benzene	6.137	78	512601	48.974	ug/L	98
49) 1,2-Dichloroethane	6.198	62	209760	48.947	ug/L	98
50) Iso-Butyl Alcohol	6.192	43	162519	747.425	ug/L	94
51) TAME	6.356	73	358863	45.572	ug/L	98
52) n-Heptane	6.564	43	224356	54.413	ug/L	99
53) 1-Butanol	7.112	56	230755	1960.233	ug/L	98
54) Trichloroethene	7.045	130	138537	49.007	ug/L	98
55) Methylcyclohexane	7.253	55	171499	42.277	ug/L	93
56) 1,2-Diclpropane	7.338	63	141727	46.842	ug/L	98
57) Dibromomethane	7.484	93	87932	48.397	ug/L	94
58) 1,4-Dioxane	7.551	88	44189	764.871	ug/L	90
59) Methyl Methacrylate	7.551	69	105881	44.794	ug/L	97
60) Bromodichloromethane	7.704	83	171864	47.405	ug/L	99
61) 2-Nitropropane	8.009	41	79521	83.315	ug/L	92
62) 2-Chloroethylvinyl Ether	8.094	63	77800	39.964	ug/L	96
63) cis-1,3-Dichloropropene	8.228	75	207317	50.190	ug/L	98
64) 4-Methyl-2-pentanone	8.441	43	212832	42.436	ug/L	99
66) Toluene	8.582	91	566914	49.277	ug/L	98
67) trans-1,3-Dichloropropene	8.862	75	186905	51.767	ug/L	99
68) Ethyl Methacrylate	8.984	69	187518	43.723	ug/L	94
69) 1,1,2-Trichloroethane	9.051	97	126152	47.725	ug/L	96
72) Tetrachloroethene	9.155	164	111470	48.756	ug/L	96
73) 2-Hexanone	9.338	43	148101	40.229	ug/L	92
74) 1,3-Dichloropropane	9.216	76	213473	48.659	ug/L	96
75) Dibromochloromethane	9.435	129	131617	47.593	ug/L	99
76) N-Butyl Acetate	9.472	43	294821	40.501	ug/L	98
77) 1,2-Dibromoethane	9.533	107	123346	48.029	ug/L	99
78) 3-Chlorobenzotrifluoride	10.020	180	188541	42.465	ug/L	95
79) Chlorobenzene	10.008	112	373419	47.171	ug/L	95
80) 4-Chlorobenzotrifluoride	10.075	180	172519	42.144	ug/L	95
81) 1,1,1,2-Tetrachloroethane	10.100	131	120001	44.709	ug/L	94
82) Ethylbenzene	10.118	106	195394	48.321	ug/L	96
83) (m+p)Xylene	10.228	106	474462	96.366	ug/L	97
84) o-Xylene	10.587	106	236771	49.406	ug/L	99
85) Styrene	10.606	104	409426	48.920	ug/L	98
86) Bromoform	10.770	173	83256	42.149	ug/L	100
87) 2-Chlorobenzotrifluoride	10.837	180	187035	42.394	ug/L	95
88) Isopropylbenzene	10.917	105	616195	49.979	ug/L	98
89) Cyclohexanone	11.008	55	290269	356.851	ug/L	96
90) trans-1,4-Dichloro-2-B...	11.240	53	55167	45.497	ug/L	93
92) 1,1,2,2-Tetrachloroethane	11.191	83	174325	41.267	ug/L	98
93) Bromobenzene	11.173	156	169458	45.441	ug/L	98
94) 1,2,3-Trichloropropane	11.227	110	51871	41.707	ug/L	99
95) n-Propylbenzene	11.270	91	742205	49.603	ug/L	99
96) 2-Chlorotoluene	11.337	91	439801	47.881	ug/L	98
97) 3-Chlorotoluene	11.392	91	416690	44.083	ug/L	97
98) 4-Chlorotoluene	11.435	91	493378	47.265	ug/L	96
99) 1,3,5-Trimethylbenzene	11.416	105	534467	48.943	ug/L	98
100) tert-Butylbenzene	11.691	119	440215	47.278	ug/L	100
101) 1,2,4-Trimethylbenzene	11.733	105	534771	48.236	ug/L	98
102) 3,4-Dichlorobenzotrifl...	11.794	214	158365	41.842	ug/L	95
103) sec-Butylbenzene	11.874	105	647327	50.276	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\060524\
Data File : D6281.D
Acq On : 05 Jun 2024 09:55 am
Operator : F.NAEGLER
Sample : CCV
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 05 10:11:44 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 29 09:21:22 2024
Response via : Initial Calibration

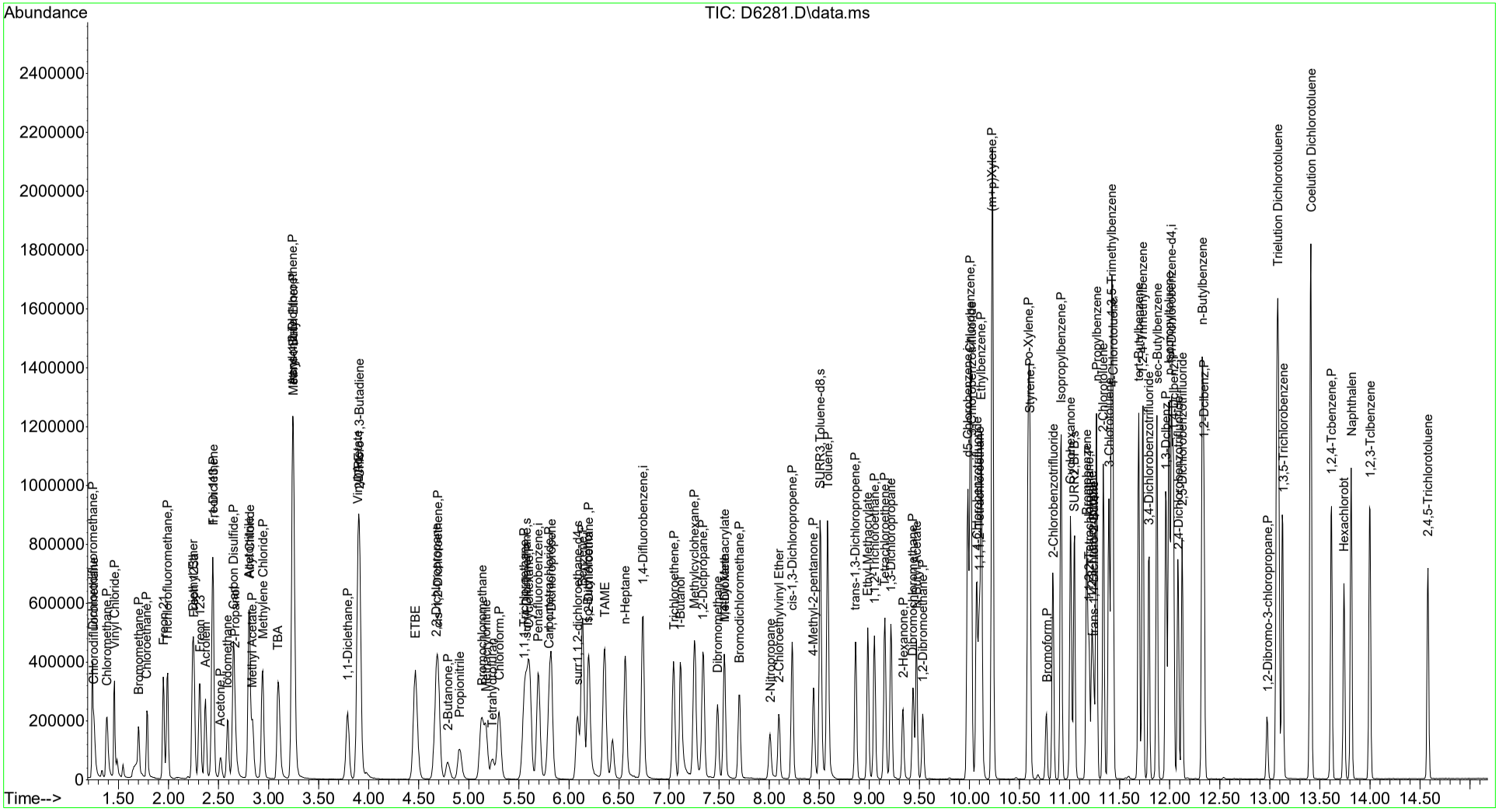
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) p-Isopropyltoluene	11.996	119	568465	49.967	ug/L	98
105) 1,3-Dclbenz	11.965	146	311500	46.759	ug/L	98
106) 1,4-Dclbenz	12.038	146	313521	45.135	ug/L	98
107) 2,4-Dichlorobenzotrifl...	12.087	214	144638	42.278	ug/L	98
108) 2,5-Dichlorobenzotrifl...	12.124	214	164233	42.226	ug/L	99
109) n-Butylbenzene	12.325	91	516100	52.398	ug/L	97
110) 1,2-Dclbenz	12.343	146	304789	44.973	ug/L	98
111) 1,2-Dibromo-3-chloropr...	12.977	157	40473	38.200	ug/L	96
112) Trielution Dichlorotol...	13.081	125	750536	138.342	ug/L	97
113) 1,3,5-Trichlorobenzene	13.130	180	228907	43.476	ug/L	99
114) Coelution Dichlorotoluene	13.410	125	565253	93.016	ug/L	95
115) 1,2,4-Tcbenzene	13.617	180	238785	47.525	ug/L	97
116) Hexachlorobt	13.739	225	99682	46.611	ug/L	99
117) Naphthalen	13.812	128	614312	43.782	ug/L	99
118) 1,2,3-Tclbenzene	14.001	180	236730	47.196	ug/L	98
119) 2,4,5-Trichlorotoluene	14.580	159	145332	47.260	ug/L	100

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\060524\
Data File : D6281.D
Acq On : 05 Jun 2024 09:55 am
Operator : F.NAEGLER
Sample : CCV
Misc :
ALS Vial : 4 Sample Multiplier: 1

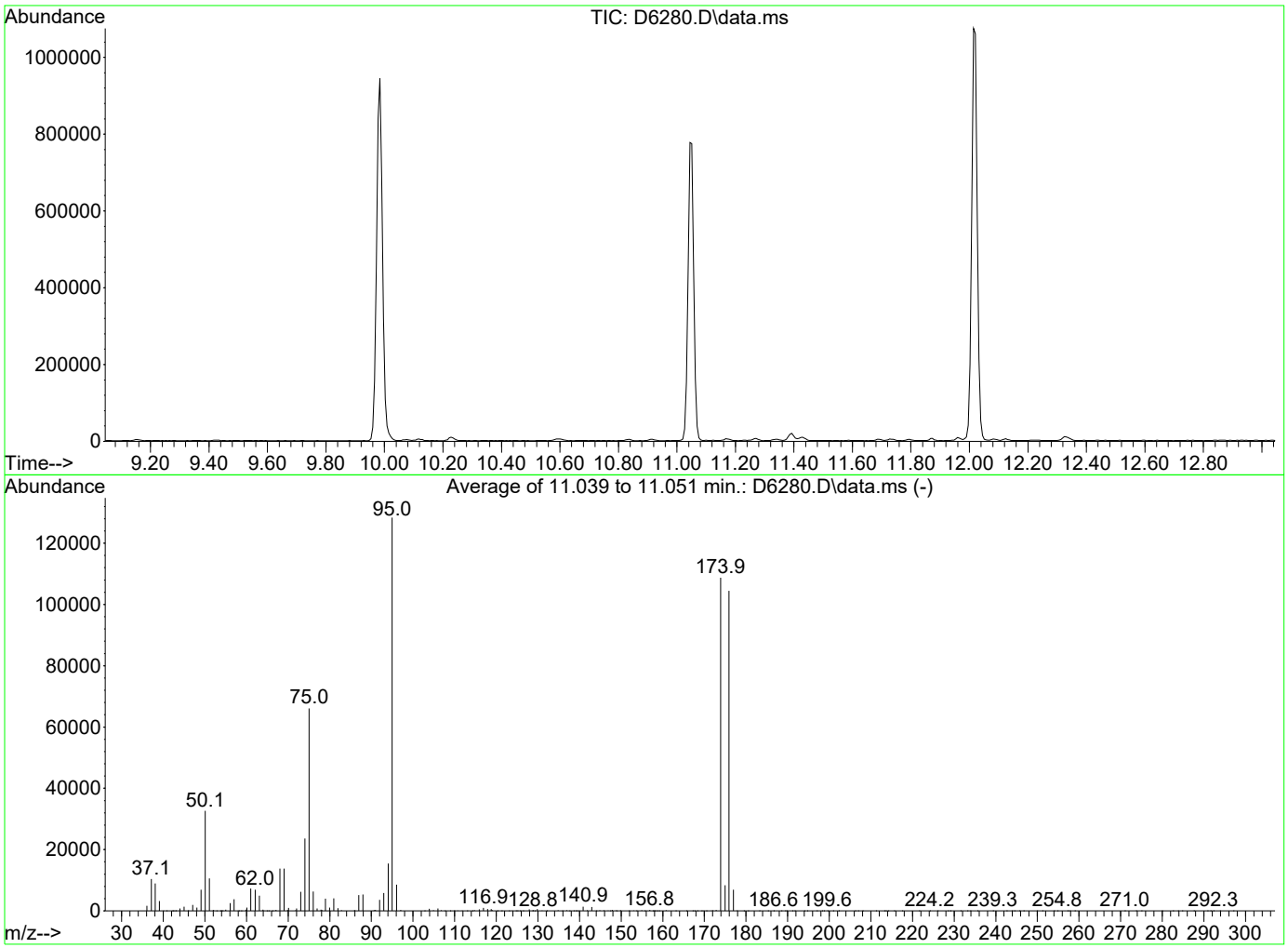
Quant Time: Jun 05 10:11:44 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 29 09:21:22 2024
Response via : Initial Calibration



Data Path : I:\ACQUDATA\msvoa10\data\060524\
Data File : D6280.D
Acq On : 05 Jun 2024 09:22 am
Operator : F.NAEGLER
Sample : TUNE
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: RTEINT.P

Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Title : MS#10 - 8260B WATERS 5.0mL Purge
Last Update : Wed May 29 09:21:22 2024



AutoFind: Scans 1616, 1617, 1618; Background Corrected with Scan 1609

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	25.4	32627	PASS
75	95	30	60	51.5	66104	PASS
95	95	100	100	100.0	128352	PASS
96	95	5	9	6.7	8592	PASS
173	174	0.00	2	0.3	290	PASS
174	95	50	120	84.8	108779	PASS
175	174	5	9	7.7	8370	PASS
176	174	95	101	96.1	104483	PASS
177	176	5	9	6.6	6874	PASS

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5989.D
Acq On : 28 May 2024 07:41 pm
Operator : F.NAEGLER
Sample : 50 PPB ICV
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: May 29 10:05:04 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 29 09:21:22 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.698	168	430711	50.00	ug/L		0.00
42) 1,4-Difluorobenzene	6.741	114	580829	50.00	ug/L		0.00
71) d5-Chlorobenzene	9.984	117	524388	50.00	ug/L		0.00
91) 1,4-Dichlorobenzene-d4	12.014	152	285058	50.00	ug/L		0.00
System Monitoring Compounds							
44) surr4,Dibrflmethane	5.576	113	169487	47.18	ug/L		0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 94.36%				
47) surr1,1,2-dichloroetha...	6.088	65	206401	46.20	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 92.40%				
65) SURR3,Toluene-d8	8.508	98	668605	47.91	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 95.82%				
70) SURR2,BFB	11.045	95	248054	47.34	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 94.68%				
Target Compounds							Qvalue
2) Chlorodifluoromethane	1.254	51	271716	56.329	ug/L		97
3) Dichlorodifluoromethane	1.242	85	261464	58.908	ug/L		100
4) Chloromethane	1.382	50	270826	47.595	ug/L		98
5) Vinyl Chloride	1.461	62	221229	44.861	ug/L		100
6) Bromomethane	1.699	94	103737	49.928	ug/L		100
7) Chloroethane	1.784	64	120902	35.030	ug/L		97
8) Freon 21	1.949	67	294476	45.147	ug/L		99
9) Trichlorofluoromethane	1.985	101	237478	45.897	ug/L		98
10) Diethyl Ether	2.241	59	156135	44.523	ug/L		98
11) Freon 123a	2.254	67	201626	52.413	ug/L		97
12) Freon 123	2.315	83	268979	59.719	ug/L		99
13) Acrolein	2.369	56	93034	85.132	ug/L		94
14) 1,1-Diclethene	2.443	96	132206	43.169	ug/L		96
15) Freon 113	2.443	101	130107	43.424	ug/L		98
16) Acetone	2.522	43	103094	39.688	ug/L		95
17) 2-Propanol	2.668	45	390767	854.424	ug/L		98
18) Iodomethane	2.595	142	185322	39.093	ug/L		99
19) Carbon Disulfide	2.644	76	430584	45.415	ug/L		99
20) Acetonitrile	2.808	41	321301m	230.480	ug/L		
21) Allyl Chloride	2.808	76	82944	50.049	ug/L		96
22) Methyl Acetate	2.839	43	201922	32.625	ug/L		99
23) Methylene Chloride	2.942	84	156546	45.572	ug/L		97
24) TBA	3.101	59	547026	794.104	ug/L		99
25) Acrylonitrile	3.241	53	458574	211.187	ug/L		98
26) Methyl-t-Butyl Ether	3.253	73	496507	43.794	ug/L		98
27) trans-1,2-Dichloroethene	3.241	96	136421	41.628	ug/L		96
28) 1,1-Diclethane	3.790	63	285638	44.058	ug/L		97
29) Vinyl Acetate	3.894	86	27935	54.088	ug/L	#	66
30) DIPE	3.900	45	562020	39.668	ug/L	#	78
31) 2-Chloro-1,3-Butadiene	3.906	53	287766	44.044	ug/L		99
32) ETBE	4.467	59	434114	37.291	ug/L		99
33) 2,2-Dichloropropane	4.680	77	207141	43.841	ug/L		96
34) cis-1,2-Dichloroethene	4.692	96	164276	43.965	ug/L		95
35) 2-Butanone	4.796	43	138914m	42.649	ug/L		
36) Propionitrile	4.912	54	188442	204.874	ug/L		99
37) Bromochloromethane	5.131	130	108066	43.994	ug/L		89
38) Methacrylonitrile	5.168	67	81786	42.603	ug/L		90
39) Tetrahydrofuran	5.235	42	80412	40.033	ug/L		97
40) Chloroform	5.302	83	258794	43.582	ug/L		98

1st FNJ 05/29/24
2nd 05/29/24

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5989.D
Acq On : 28 May 2024 07:41 pm
Operator : F.NAEGLER
Sample : 50 PPB ICV
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: May 29 10:05:04 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 29 09:21:22 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) 1,1,1-Trichloroethane	5.552	97	221694	45.182	ug/L	100
43) Cyclohexane	5.607	41	199904	49.768	ug/L	98
45) Carbontetrachloride	5.808	117	185058	44.030	ug/L	95
46) 1,1-Dichloropropene	5.826	75	183313	41.317	ug/L	91
48) Benzene	6.137	78	594429	45.794	ug/L	99
49) 1,2-Dichloroethane	6.198	62	225519	42.433	ug/L	97
50) Iso-Butyl Alcohol	6.198	43	225328	827.998	ug/L	90
51) TAME	6.356	73	396728	40.624	ug/L	99
52) n-Heptane	6.564	43	216139	42.269	ug/L	93
53) 1-Butanol	7.119	56	296885	2024.682	ug/L	96
54) Trichloroethene	7.045	130	157861	45.028	ug/L	97
55) Methylcyclohexane	7.253	55	249318	49.559	ug/L	96
56) 1,2-Diclpropane	7.344	63	165581	44.127	ug/L	96
57) Dibromomethane	7.484	93	99050	43.959	ug/L	96
58) 1,4-Dioxane	7.557	88	55395	773.150	ug/L	94
59) Methyl Methacrylate	7.551	69	132376	45.157	ug/L	96
60) Bromodichloromethane	7.704	83	195778	43.543	ug/L	100
61) 2-Nitropropane	8.009	41	101483	85.481	ug/L	100
62) 2-Chloroethylvinyl Ether	8.100	63	112171	46.461	ug/L	98
63) cis-1,3-Dichloropropene	8.228	75	232284	45.345	ug/L	99
64) 4-Methyl-2-pentanone	8.448	43	282245	45.378	ug/L	97
66) Toluene	8.582	91	656065	45.983	ug/L	99
67) trans-1,3-Dichloropropene	8.862	75	209468	47.221	ug/L	98
68) Ethyl Methacrylate	8.984	69	236317	44.430	ug/L	98
69) 1,1,2-Trichloroethane	9.051	97	145351	44.339	ug/L	95
72) Tetrachloroethene	9.155	164	131249	46.208	ug/L	93
73) 2-Hexanone	9.338	43	203789	44.319	ug/L	99
74) 1,3-Dichloropropane	9.216	76	237971	43.661	ug/L	98
75) Dibromochloromethane	9.435	129	156634	45.590	ug/L	98
76) N-Butyl Acetate	9.472	43	407445	45.054	ug/L	99
77) 1,2-Dibromoethane	9.533	107	132775	41.615	ug/L	98
78) 3-Chlorobenzotrifluoride	10.020	180	223193	40.463	ug/L	96
79) Chlorobenzene	10.008	112	428772	43.597	ug/L	98
80) 4-Chlorobenzotrifluoride	10.069	180	201265	39.575	ug/L	97
81) 1,1,1,2-Tetrachloroethane	10.094	131	145964	43.773	ug/L	97
82) Ethylbenzene	10.118	106	225409	44.869	ug/L	96
83) (m+p)Xylene	10.228	106	562443	91.950	ug/L	99
84) o-Xylene	10.587	106	273707	45.972	ug/L	98
85) Styrene	10.606	104	484684	46.614	ug/L	98
86) Bromoform	10.770	173	112528	45.855	ug/L	100
87) 2-Chlorobenzotrifluoride	10.837	180	222327	40.563	ug/L	95
88) Isopropylbenzene	10.917	105	687769	44.902	ug/L	99
89) Cyclohexanone	11.008	55	967954	957.839	ug/L	100
90) trans-1,4-Dichloro-2-B...	11.240	53	54537	36.203	ug/L	98
92) 1,1,2,2-Tetrachloroethane	11.191	83	203691	40.628	ug/L	99
93) Bromobenzene	11.173	156	195124	44.087	ug/L	99
94) 1,2,3-Trichloropropane	11.227	110	63830	43.243	ug/L	90
95) n-Propylbenzene	11.270	91	808802	45.545	ug/L	99
96) 2-Chlorotoluene	11.337	91	491712	45.106	ug/L	96
97) 3-Chlorotoluene	11.392	91	470019	41.897	ug/L	100
98) 4-Chlorotoluene	11.429	91	554234	44.737	ug/L	98
99) 1,3,5-Trimethylbenzene	11.416	105	593217	45.772	ug/L	99
100) tert-Butylbenzene	11.691	119	502622	45.483	ug/L	99
101) 1,2,4-Trimethylbenzene	11.733	105	597044	45.376	ug/L	99
102) 3,4-Dichlorobenzotrifl...	11.794	214	179235	39.901	ug/L	96
103) sec-Butylbenzene	11.874	105	703241	46.021	ug/L	98

1st FJ 05/29/24
2nd 05/29/24

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5989.D
Acq On : 28 May 2024 07:41 pm
Operator : F.NAEGLER
Sample : 50 PPB ICV
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: May 29 10:05:04 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 29 09:21:22 2024
Response via : Initial Calibration

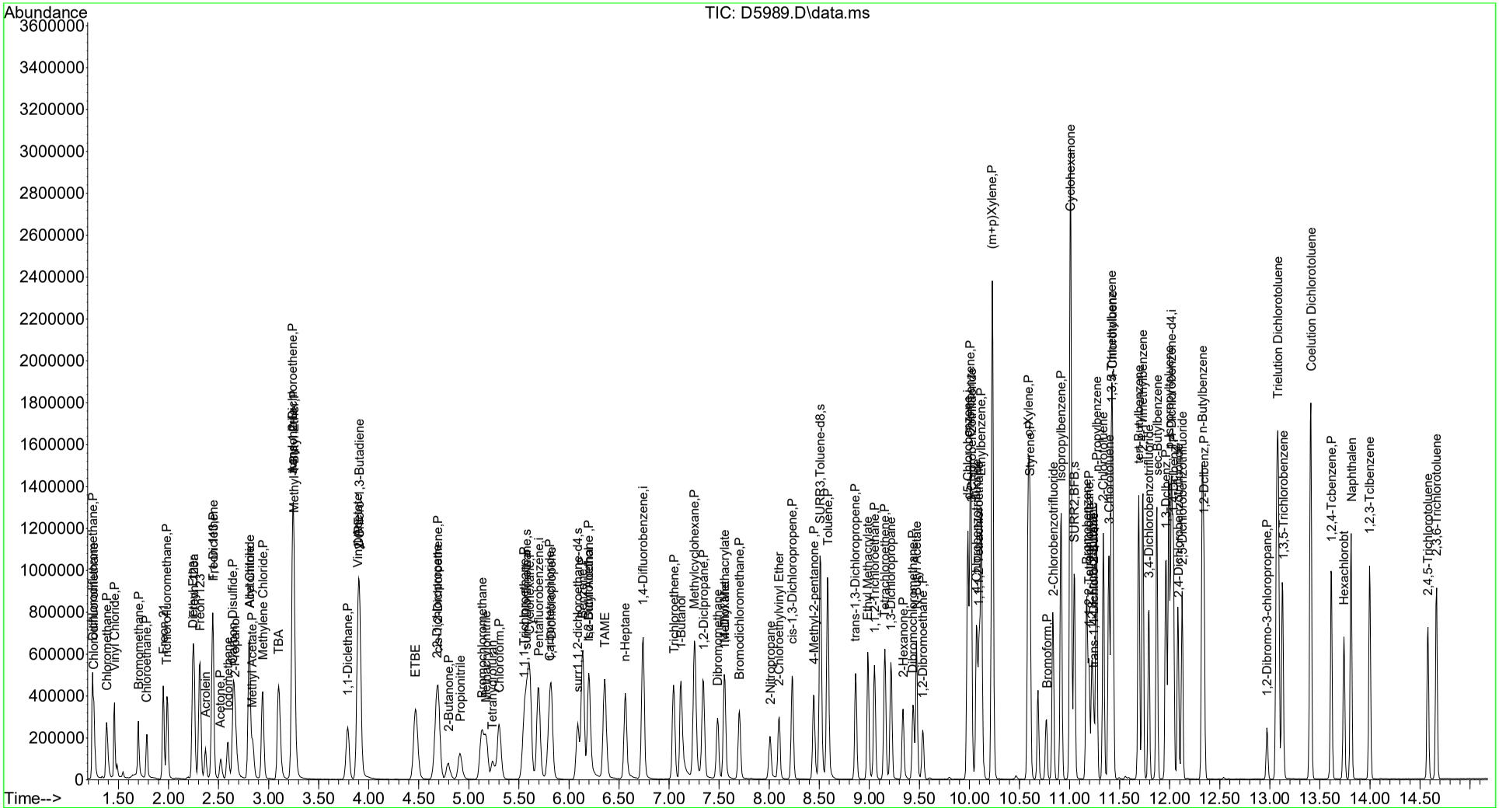
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) p-Isopropyltoluene	11.990	119	620489	45.954	ug/L	99
105) 1,3-Dclbenz	11.965	146	353915	44.763	ug/L	96
106) 1,4-Dclbenz	12.038	146	358689	43.508	ug/L	99
107) 2,4-Dichlorobenzotrifl...	12.087	214	165980	40.879	ug/L	97
108) 2,5-Dichlorobenzotrifl...	12.124	214	185915	40.276	ug/L	98
109) n-Butylbenzene	12.325	91	536241	45.873	ug/L	99
110) 1,2-Dclbenz	12.343	146	348854	43.372	ug/L	98
111) 1,2-Dibromo-3-chloropr...	12.971	157	49353	39.249	ug/L	98
112) Trielution Dichlorotol...	13.081	125	803568	124.801	ug/L	97
113) 1,3,5-Trichlorobenzene	13.130	180	244920	39.194	ug/L	96
114) Coelution Dichlorotoluene	13.410	125	592751	82.187	ug/L	98
115) 1,2,4-Tcbenzene	13.617	180	257772	43.228	ug/L	97
116) Hexachlorobt	13.739	225	107232	42.249	ug/L	99
117) Naphthalen	13.812	128	717912	43.111	ug/L	100
118) 1,2,3-Tclbenzene	13.995	180	251813	42.301	ug/L	97
119) 2,4,5-Trichlorotoluene	14.580	159	153878	42.162	ug/L	97
120) 2,3,6-Trichlorotoluene	14.666	159	176976	52.544	ug/L	100

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5989.D
Acq On : 28 May 2024 07:41 pm
Operator : F.NAEGLER
Sample : 50 PPB ICV
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: May 29 10:05:04 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 29 09:21:22 2024
Response via : Initial Calibration



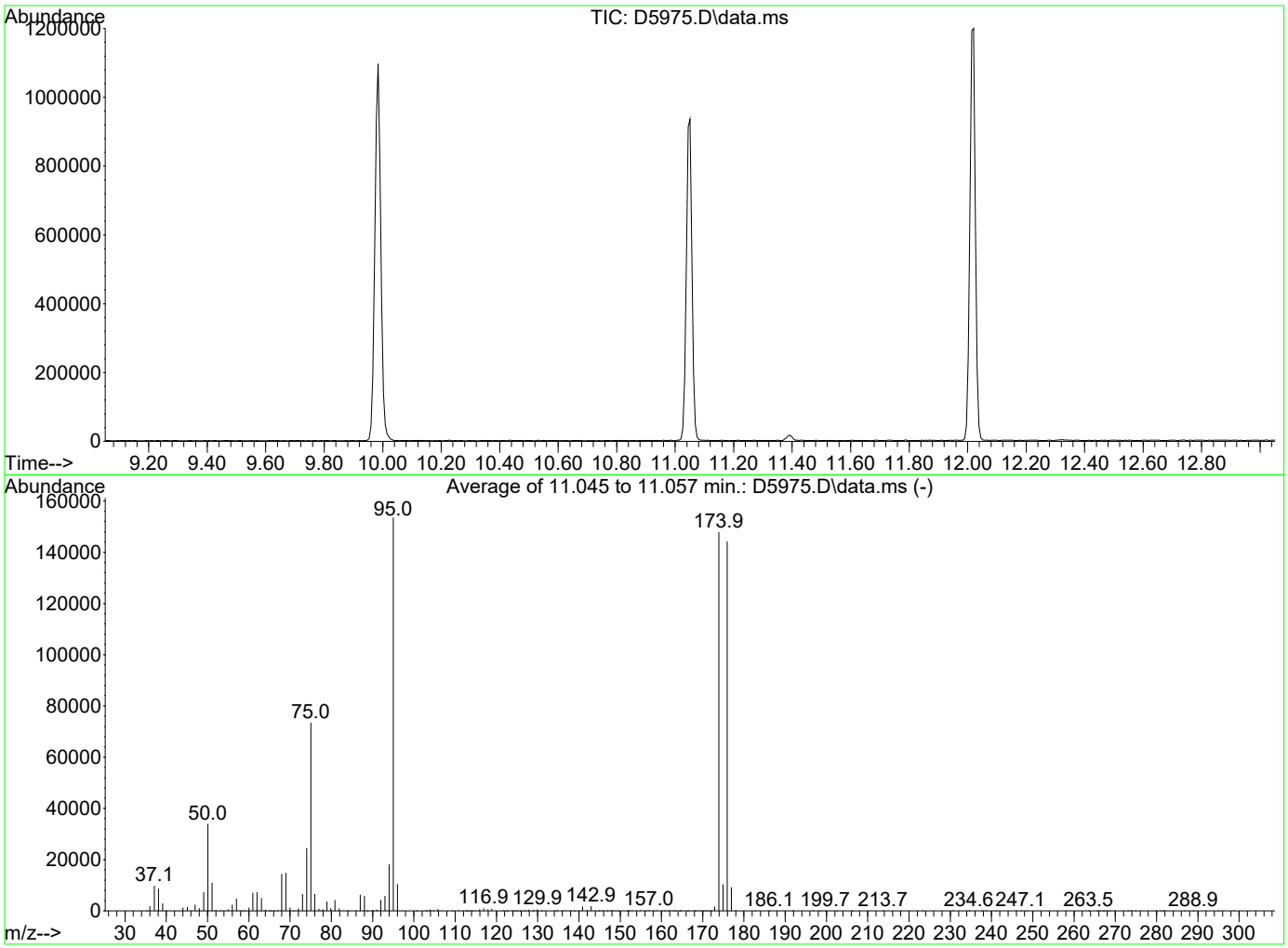
1st 05/29/24
2nd 05/29/24

1st FN 05/29/24
2nd 05/29/24

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5975.D
Acq On : 28 May 2024 02:10 pm
Operator : F.NAEGLER
Sample : TUNE
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: RTEINT.P

Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Title : MS#10 - 8260B WATERS 5.0mL Purge
Last Update : Thu May 16 14:56:42 2024



AutoFind: Scans 1617, 1618, 1619; Background Corrected with Scan 1609

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.1	33907	PASS
75	95	30	60	47.9	73512	PASS
95	95	100	100	100.0	153539	PASS
96	95	5	9	6.8	10469	PASS
173	174	0.00	2	1.1	1684	PASS
174	95	50	120	96.3	147885	PASS
175	174	5	9	7.0	10403	PASS
176	174	95	101	97.5	144195	PASS
177	176	5	9	6.4	9195	PASS

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5976.D
Acq On : 28 May 2024 02:46 pm
Operator : F.NAEGLER
Sample : ICALBLK
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 29 10:04:12 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 29 09:21:22 2024
Response via : Initial Calibration

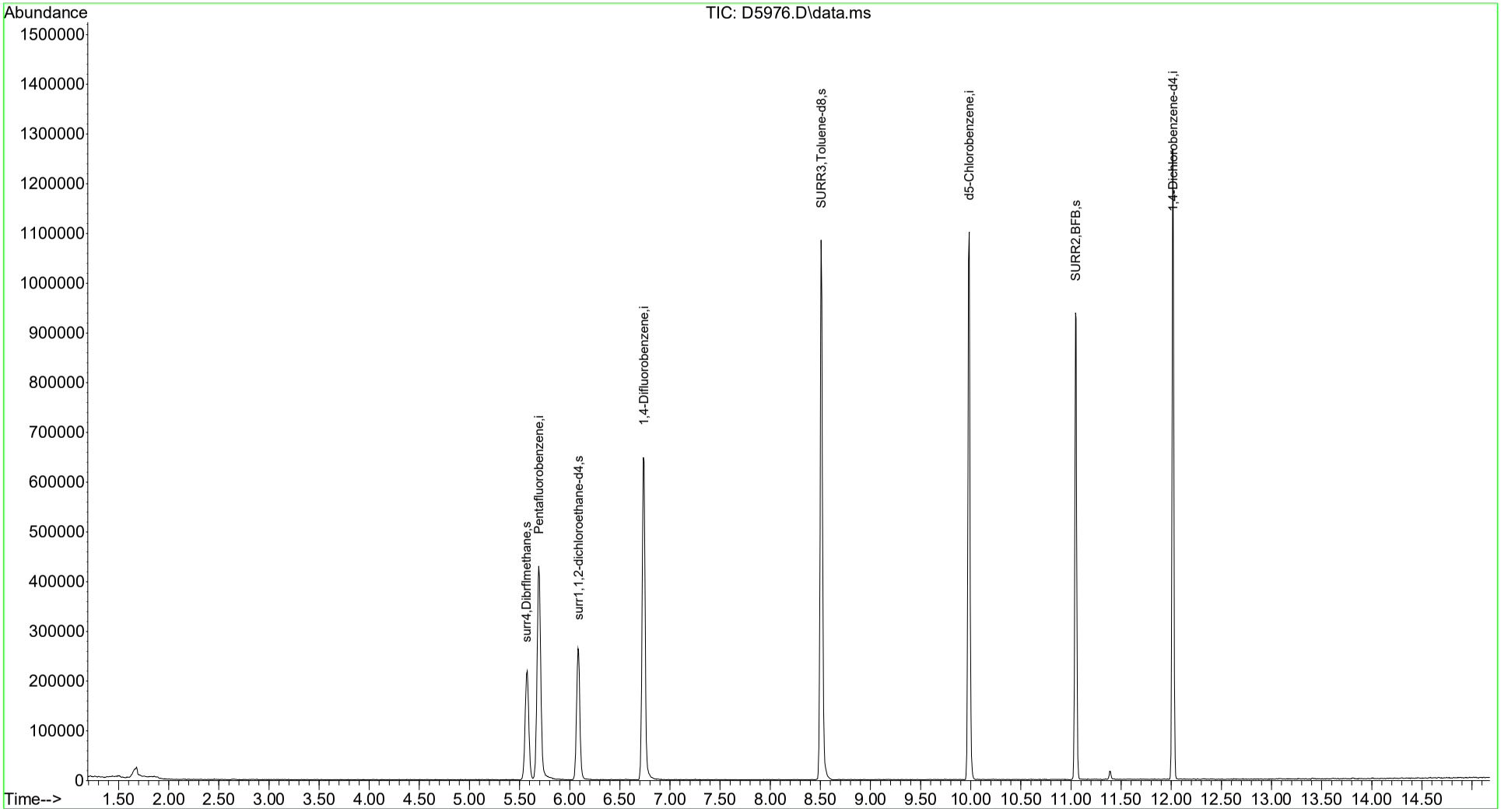
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.692	168	418819	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	6.734	114	577684	50.00	ug/L	0.00
71) d5-Chlorobenzene	9.984	117	505864	50.00	ug/L	0.00
91) 1,4-Dichlorobenzene-d4	12.014	152	258870	50.00	ug/L	0.00
System Monitoring Compounds						
44) surr4,Dibrflmethane	5.570	113	167110	46.77	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 93.54%			
47) surr1,1,2-dichloroetha...	6.088	65	215540	48.51	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 97.02%			
65) SURR3,Toluene-d8	8.508	98	657876	47.40	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 94.80%			
70) SURR2,BFB	11.045	95	242072	46.45	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 92.90%			
Target Compounds						Qvalue
6) Bromomethane	1.699	94	517	Below Cal		82

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

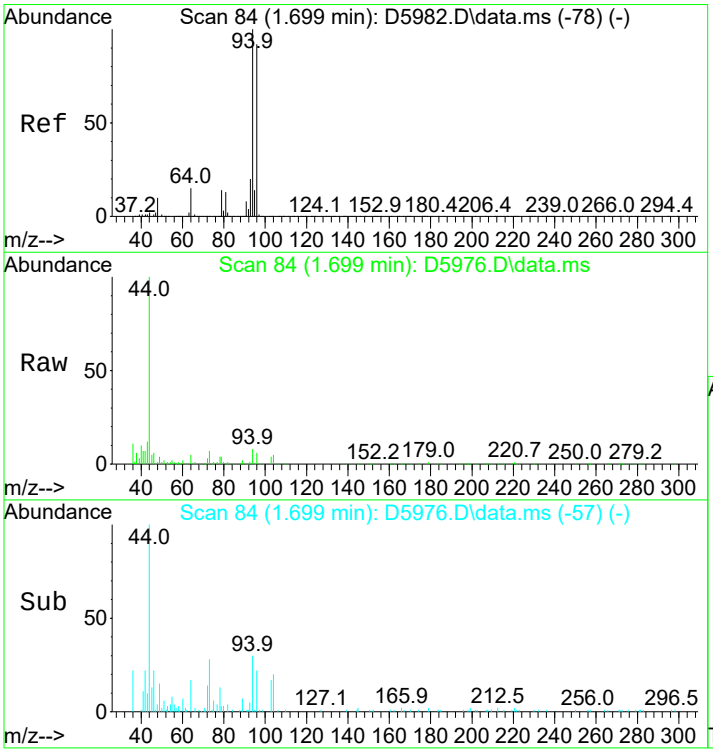
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5976.D
Acq On : 28 May 2024 02:46 pm
Operator : F.NAEGLER
Sample : ICALBLK
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 29 10:04:12 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 29 09:21:22 2024
Response via : Initial Calibration



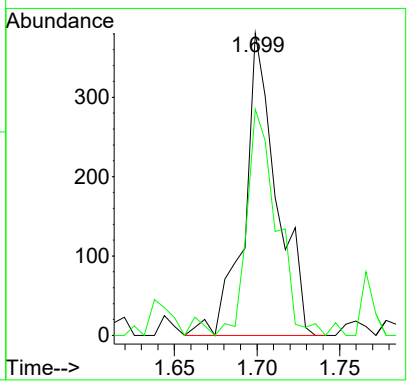
1st FN 05/29/24
2nd 05/29/24



#6
Bromomethane
Concen: Below Cal
RT: 1.699 min Scan# 84
Delta R.T. 0.001 min
Lab File: D5976.D
Acq: 28 May 2024 02:46 pm

Tgt Ion: 94 Resp: 517

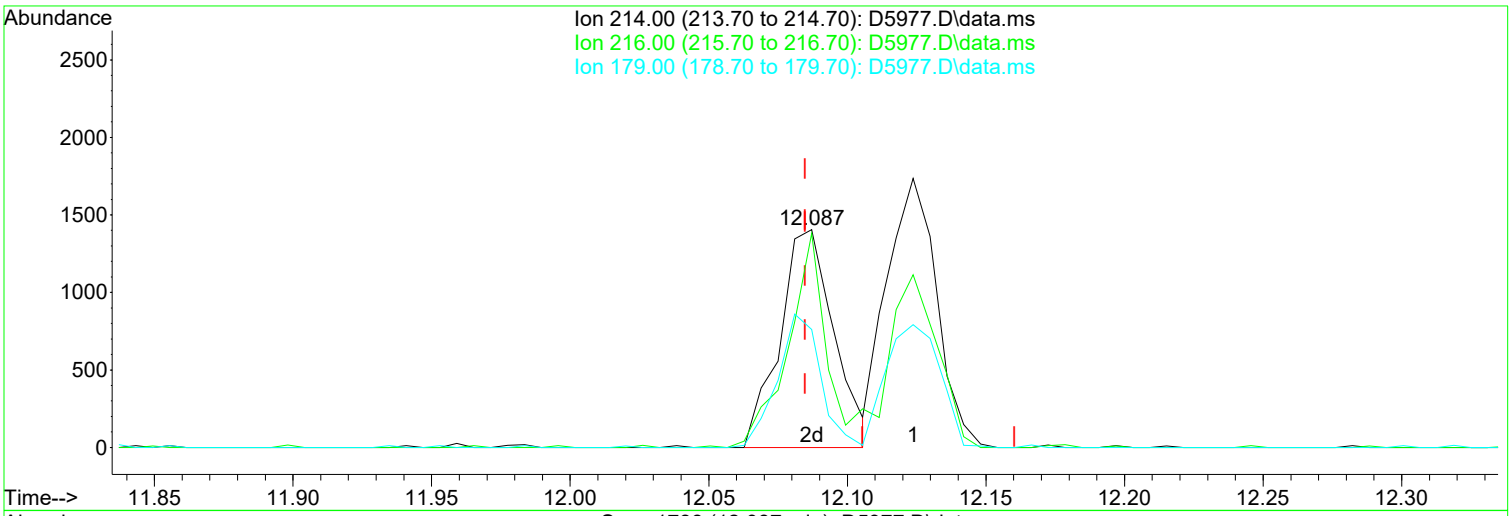
Ion	Ratio	Lower	Upper
94	100		
96	74.8	71.6	111.6

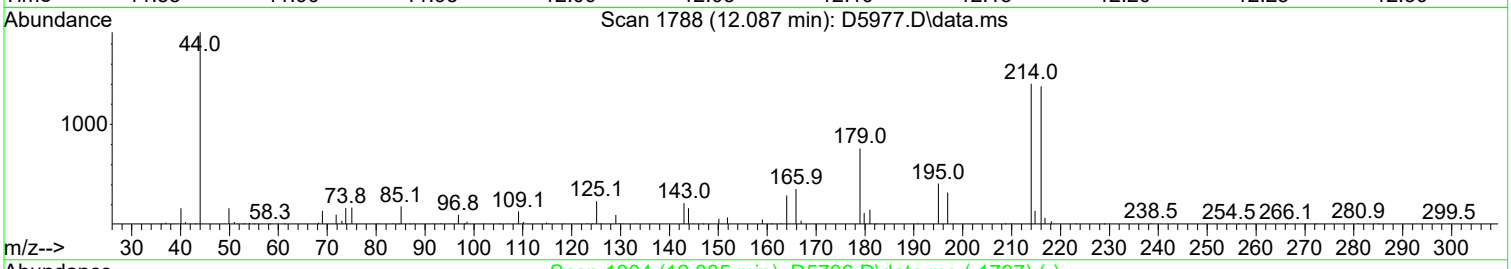


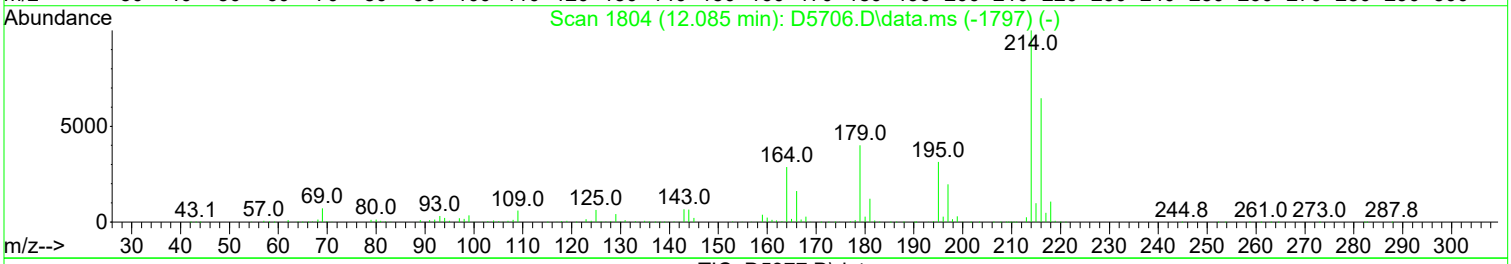
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5977.D
Acq On : 28 May 2024 03:08 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 29 08:45:44 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu May 16 14:56:42 2024
Response via : Initial Calibration







TIC: D5977.D\data.ms

(107) 2,4-Dichlorobenzotrifluoride

12.087min (+ 0.002) 0.48 ug/L m

response 1906

Ion	Exp%	Act%
214.00	100.00	100.00
216.00	64.60	98.15#
179.00	40.00	54.20
0.00	0.00	0.00

Manual Integration:

After

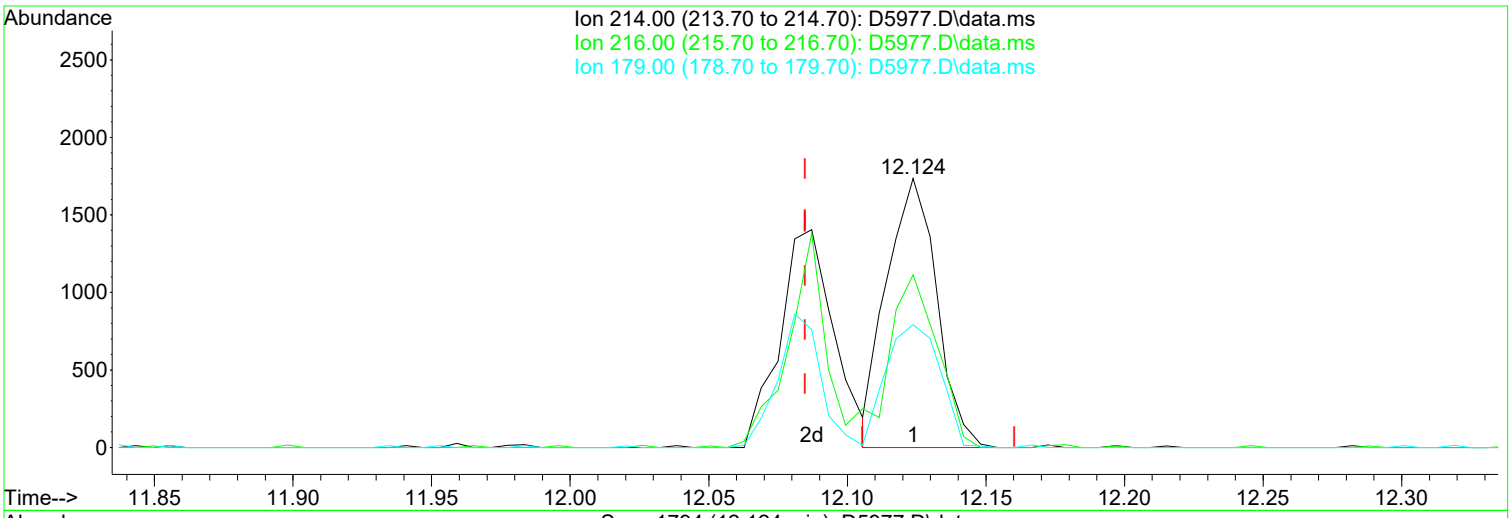
Wrong peak selected.

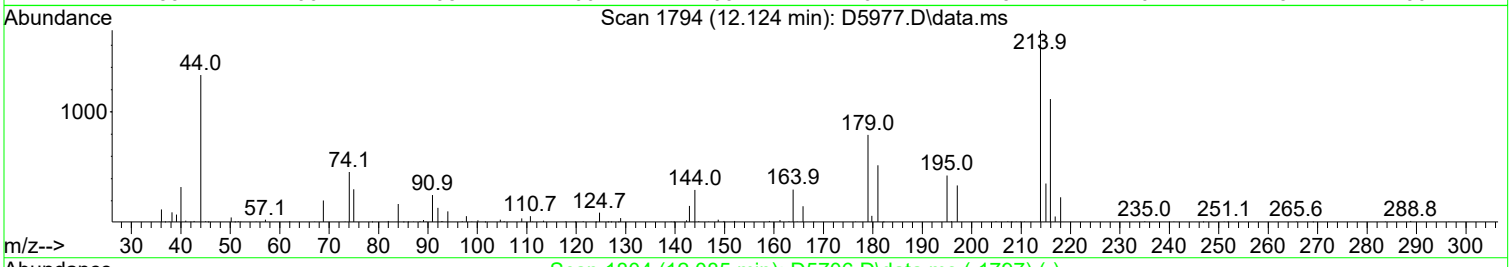
05/29/24

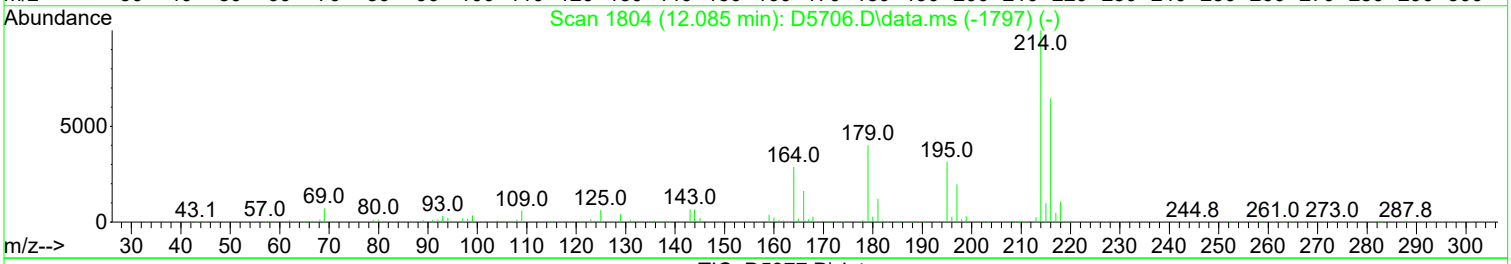
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5977.D
Acq On : 28 May 2024 03:08 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 29 08:45:44 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu May 16 14:56:42 2024
Response via : Initial Calibration







TIC: D5977.D\data.ms

(107) 2,4-Dichlorobenzotrifluoride

12.124min (+ 0.039) 0.54 ug/L

response 2174

Ion	Exp%	Act%
214.00	100.00	100.00
216.00	64.60	64.27
179.00	40.00	45.71
0.00	0.00	0.00

Manual Integration:

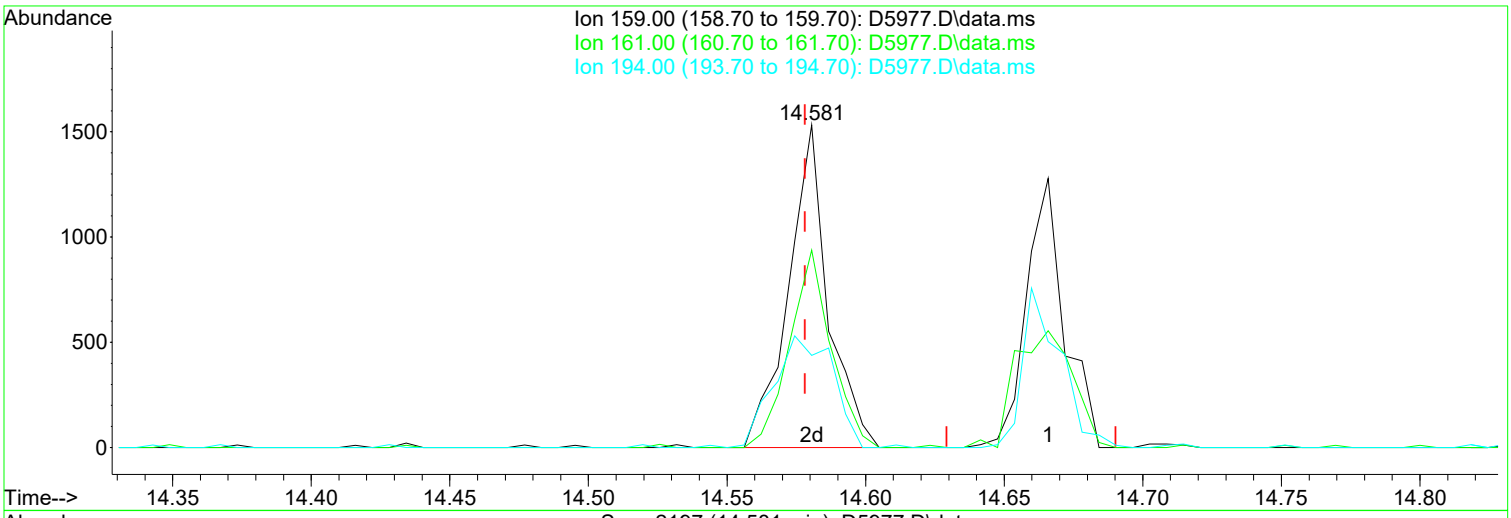
Before

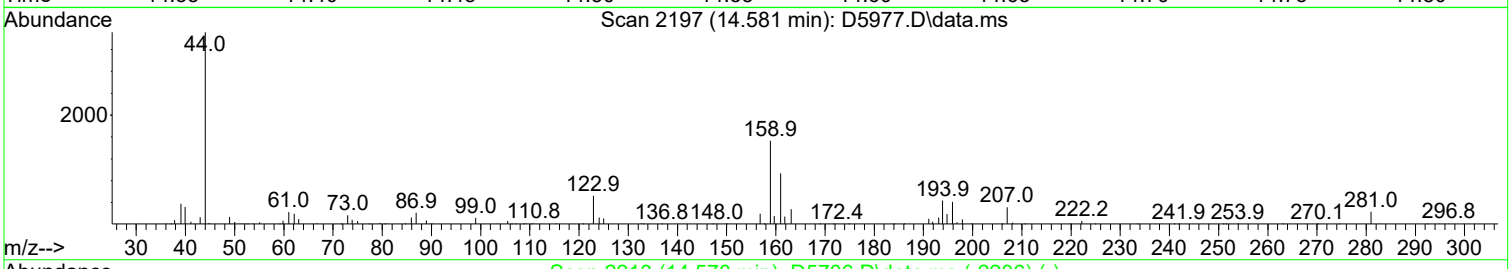
05/29/24

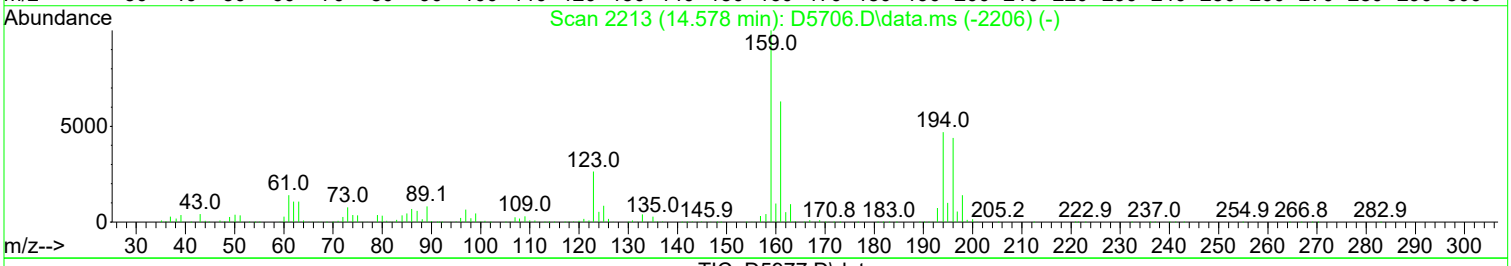
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5977.D
Acq On : 28 May 2024 03:08 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 29 08:45:44 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu May 16 14:56:42 2024
Response via : Initial Calibration







TIC: D5977.D\data.ms

(119) 2,4,5-Trichlorotoluene

14.581min (+ 0.002) 0.40 ug/L m

response 1516

Ion	Exp%	Act%
159.00	100.00	100.00
161.00	63.00	61.19
194.00	46.90	28.51
0.00	0.00	0.00

Manual Integration:

After

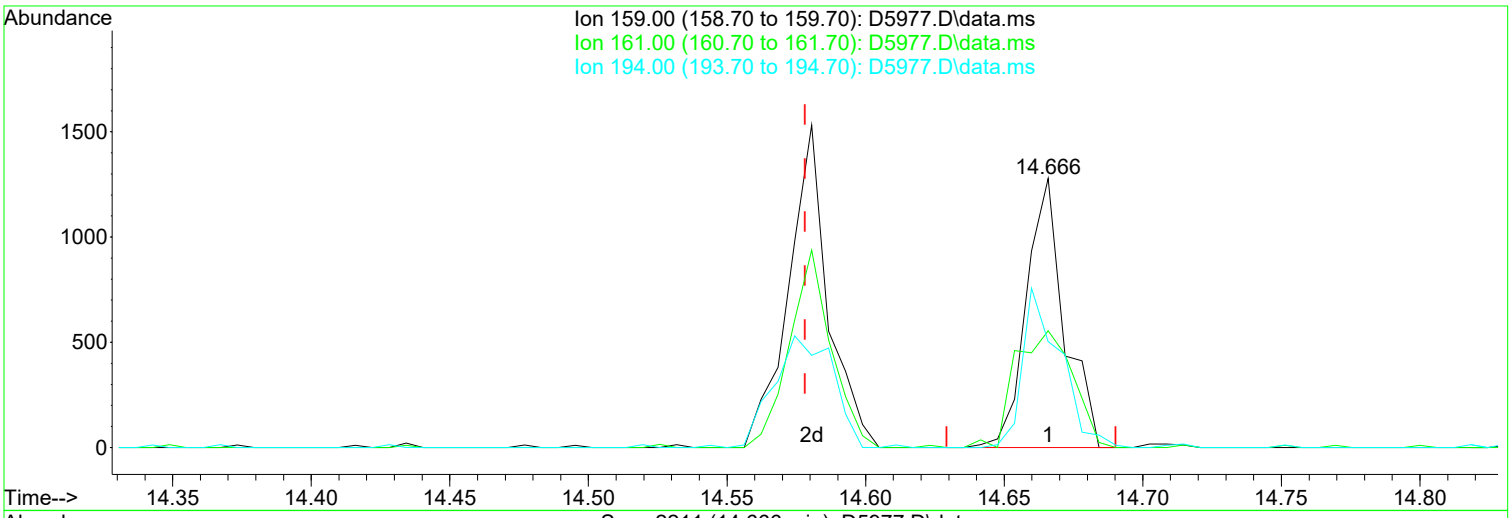
Wrong peak selected.

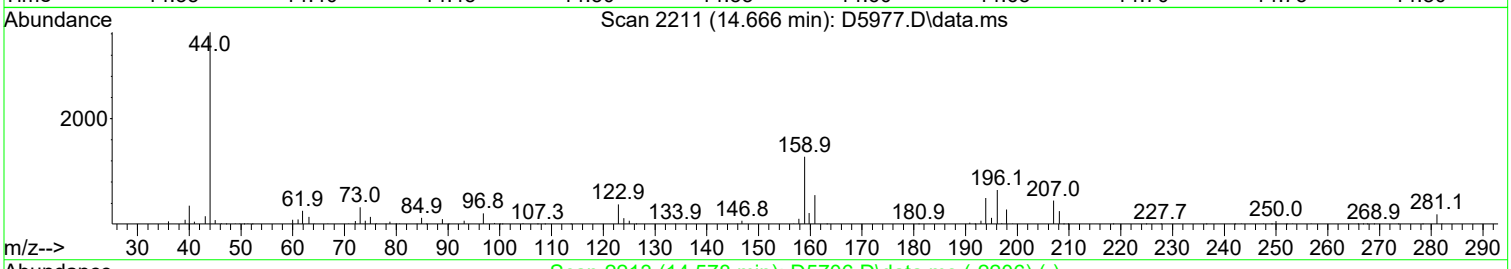
05/29/24

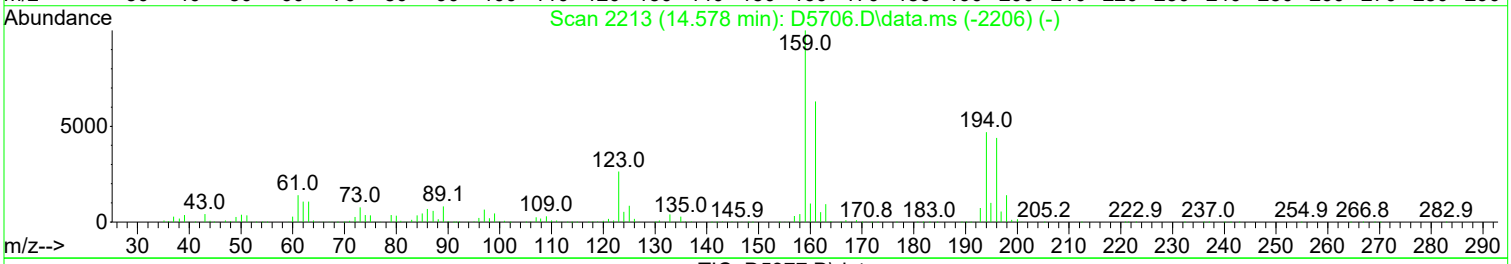
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5977.D
Acq On : 28 May 2024 03:08 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 29 08:45:44 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu May 16 14:56:42 2024
Response via : Initial Calibration







TIC: D5977.D\data.ms

(119) 2,4,5-Trichlorotoluene

14.666min (+ 0.088) 0.32 ug/L

response 1223

Ion	Exp%	Act%
159.00	100.00	100.00
161.00	63.00	43.43
194.00	46.90	39.36
0.00	0.00	0.00

Manual Integration:

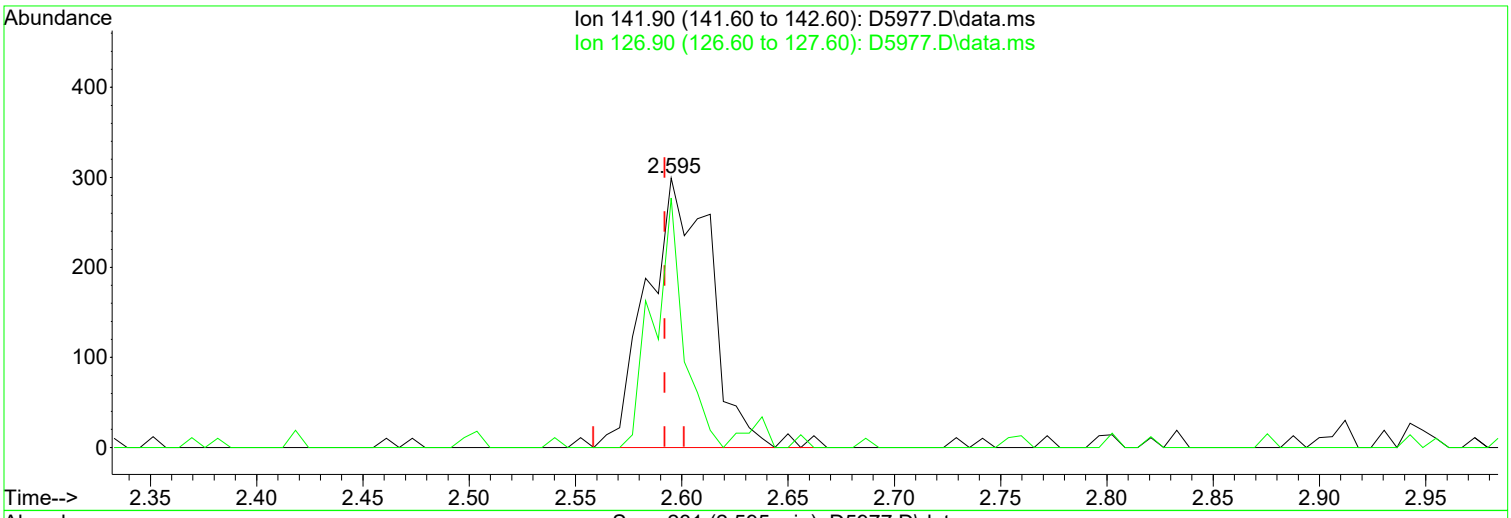
Before

05/29/24

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5977.D
Acq On : 28 May 2024 03:08 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 29 08:45:44 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu May 16 14:56:42 2024
Response via : Initial Calibration



TIC: D5977.D\data.ms

(18) Iodomethane

2.595min (+ 0.003) 0.20 ug/L m

response 630

Ion	Exp%	Act%
141.90	100.00	100.00
126.90	41.10	92.64#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

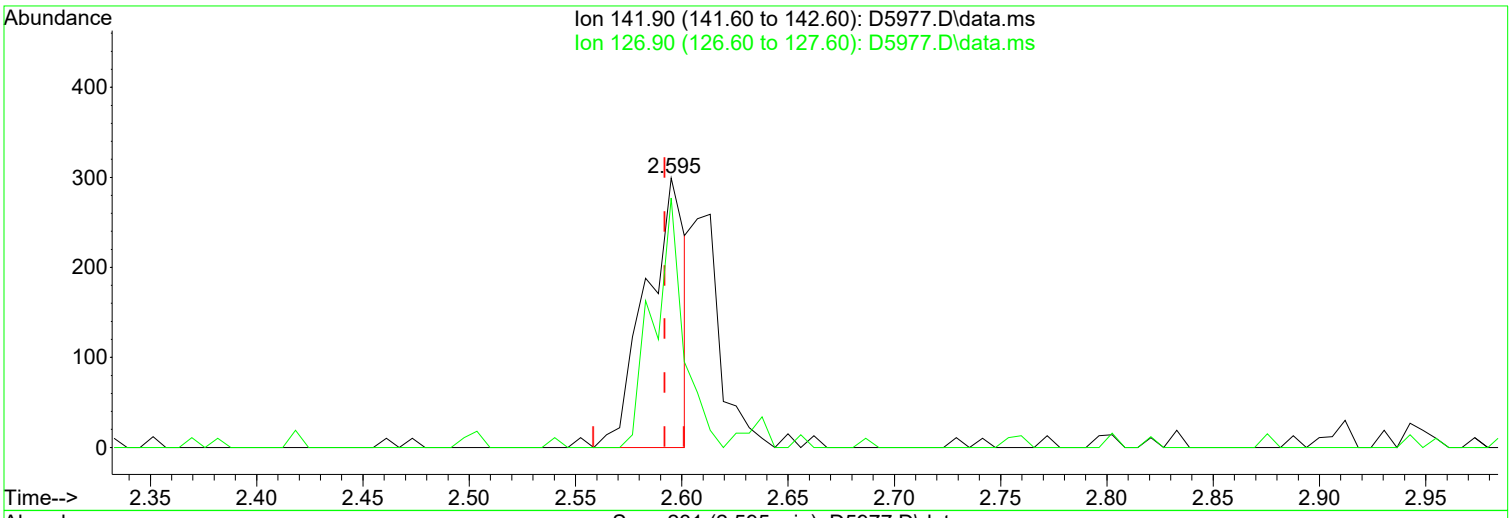
Poor integration.

05/29/24

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5977.D
Acq On : 28 May 2024 03:08 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 29 08:45:44 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu May 16 14:56:42 2024
Response via : Initial Calibration



TIC: D5977.D\data.ms

(18) Iodomethane

2.595min (+ 0.003) 0.12 ug/L

response 385

Ion	Exp%	Act%
141.90	100.00	100.00
126.90	41.10	92.64#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

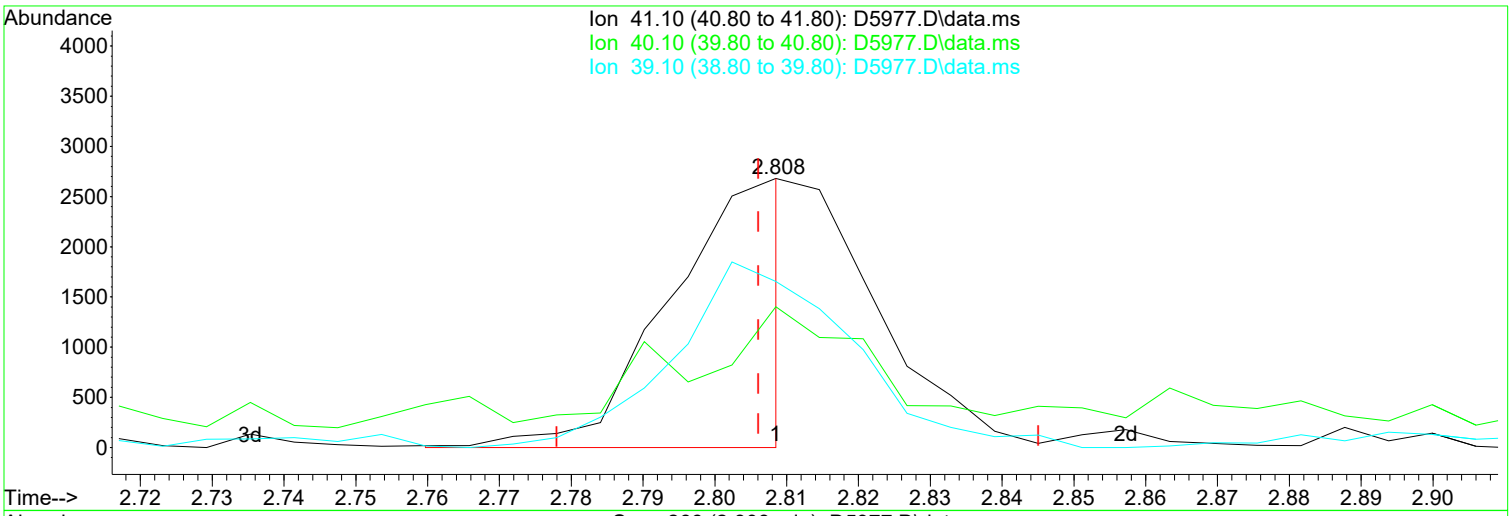
Before

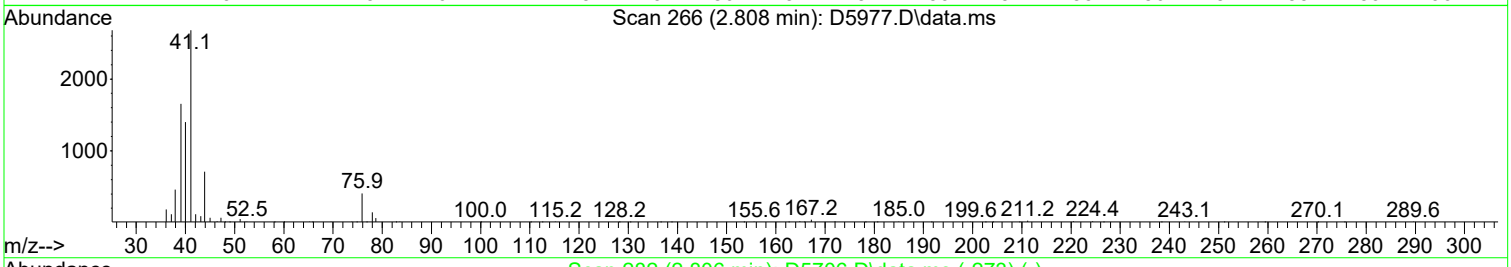
05/29/24

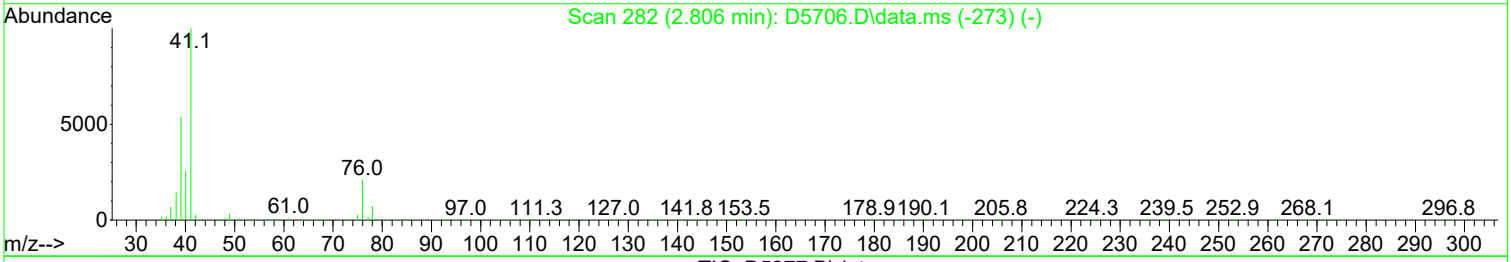
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5977.D
Acq On : 28 May 2024 03:08 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 29 08:45:44 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu May 16 14:56:42 2024
Response via : Initial Calibration







TIC: D5977.D\data.ms

(20) Acetonitrile

2.808min (+ 0.002) 3.44 ug/L m

response 3141

Ion	Exp%	Act%
41.10	100.00	100.00
40.10	26.00	52.35#
39.10	54.00	61.68
0.00	0.00	0.00

Manual Integration:

After

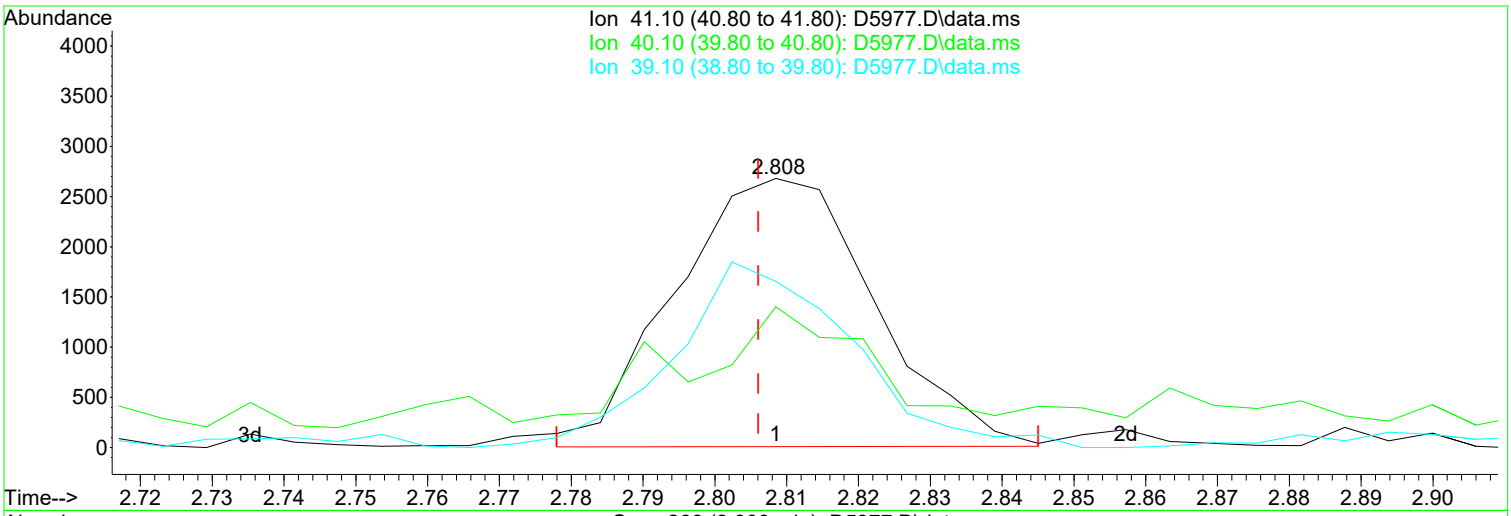
Poor integration.

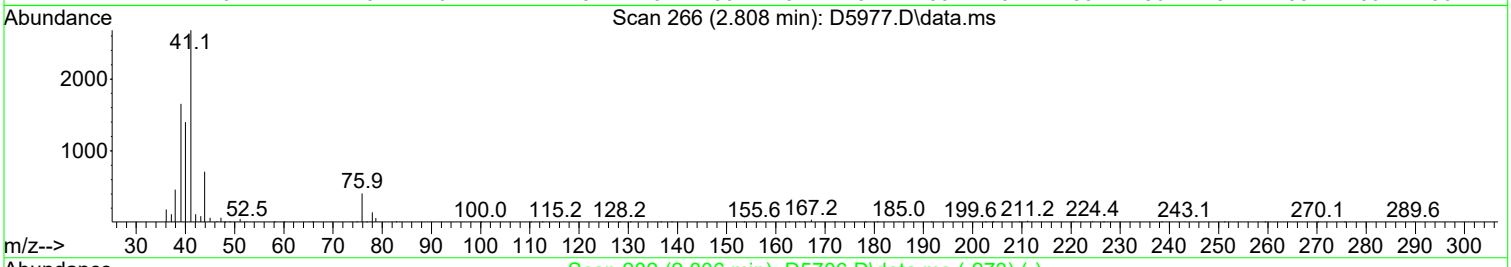
05/29/24

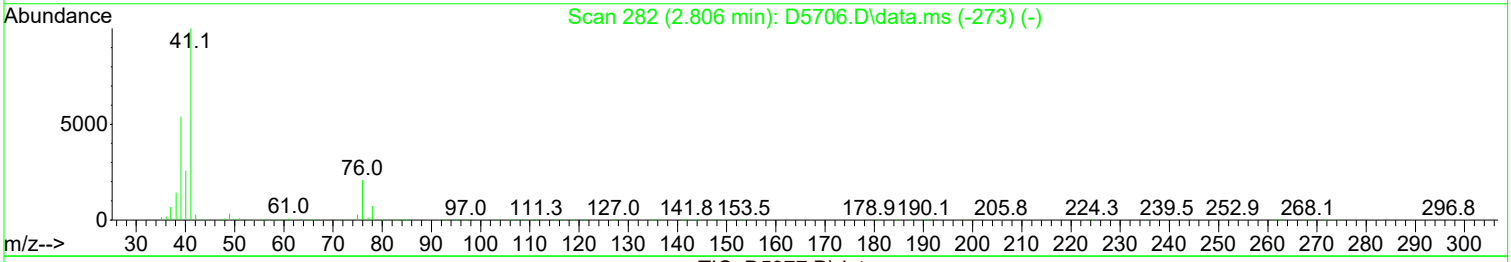
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5977.D
Acq On : 28 May 2024 03:08 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 29 08:45:44 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu May 16 14:56:42 2024
Response via : Initial Calibration







TIC: D5977.D\data.ms

(20) Acetonitrile

2.808min (+ 0.002) 5.61 ug/L

response 5115

Ion	Exp%	Act%
41.10	100.00	100.00
40.10	26.00	52.35#
39.10	54.00	61.68
0.00	0.00	0.00

Manual Integration:

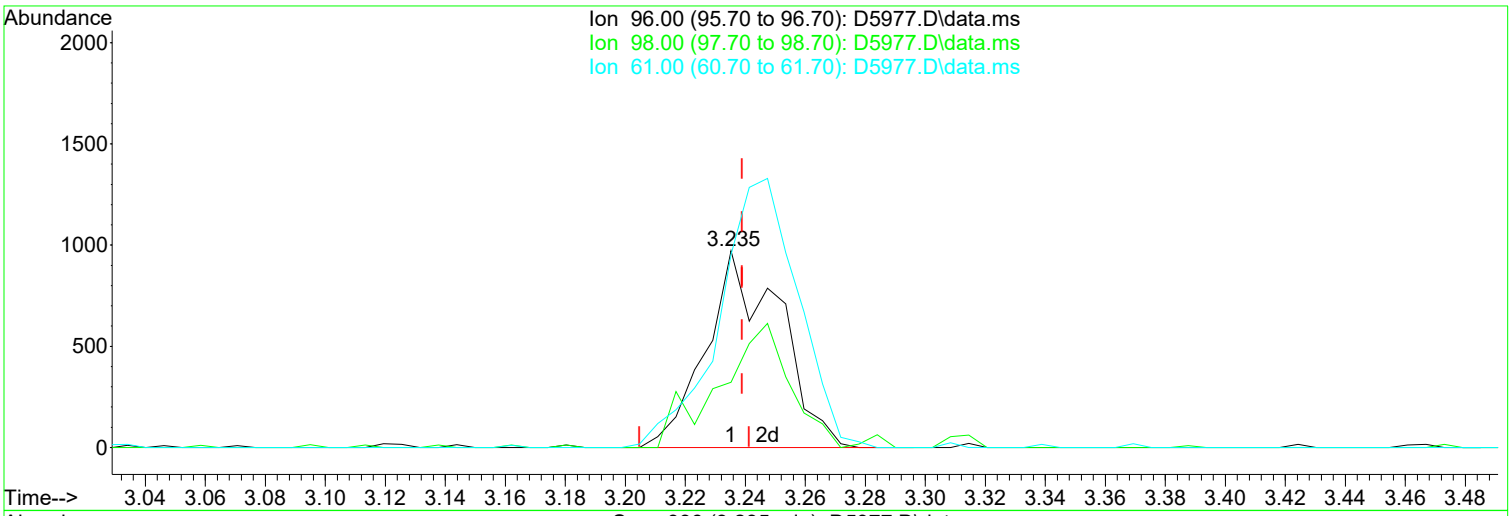
Before

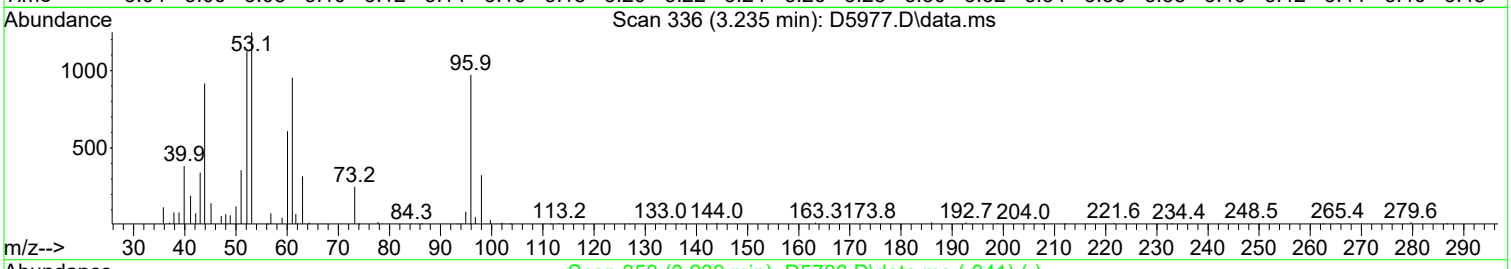
05/29/24

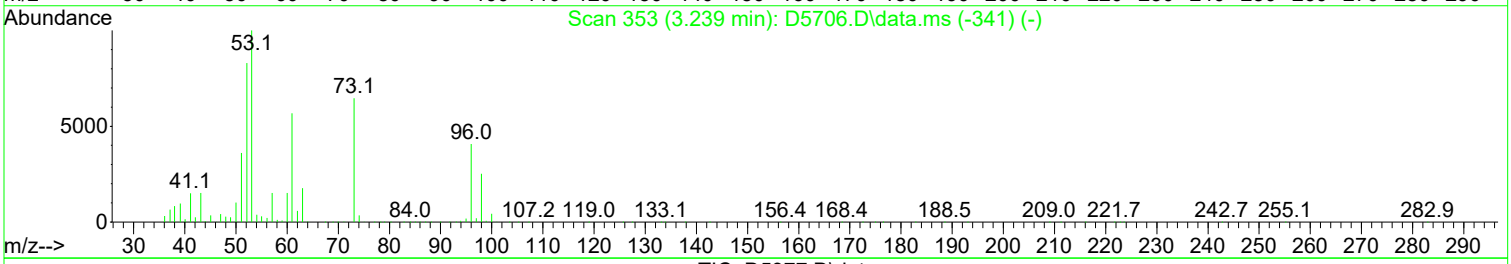
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5977.D
Acq On : 28 May 2024 03:08 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 29 08:45:44 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu May 16 14:56:42 2024
Response via : Initial Calibration







TIC: D5977.D\data.ms

(27) trans-1,2-Dichloroethene (P)

3.235min (-0.004) 0.54 ug/L m

response 1666

Ion	Exp%	Act%
96.00	100.00	100.00
98.00	61.80	33.23#
61.00	139.20	98.05#
0.00	0.00	0.00

Manual Integration:

After

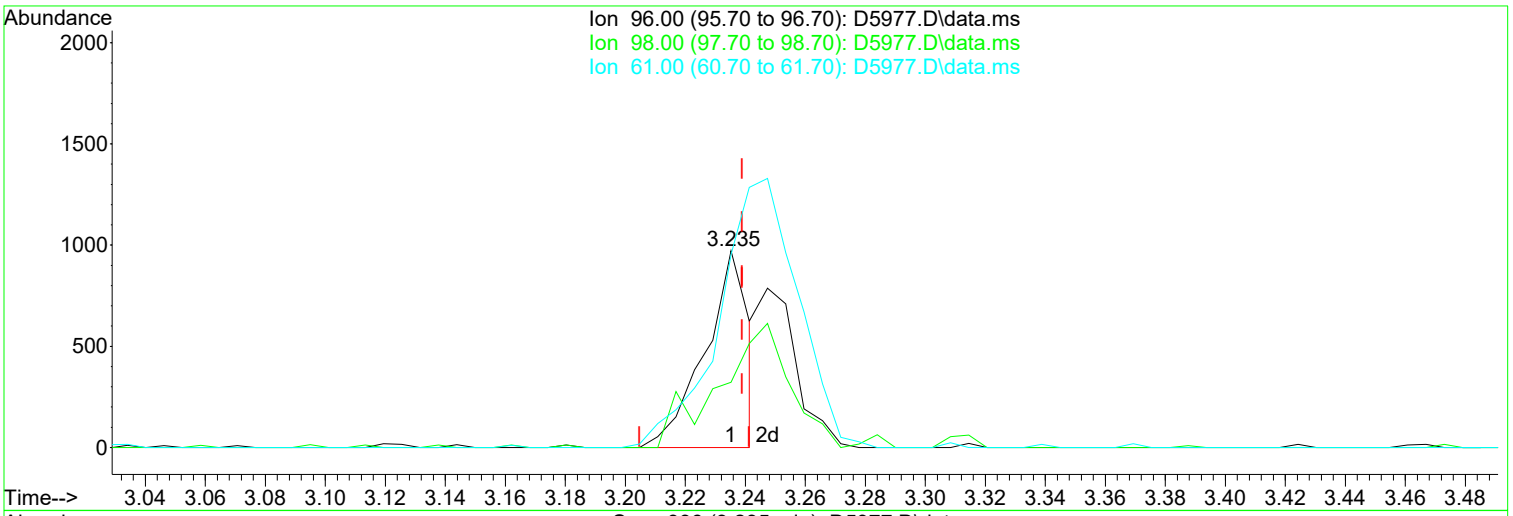
Poor integration.

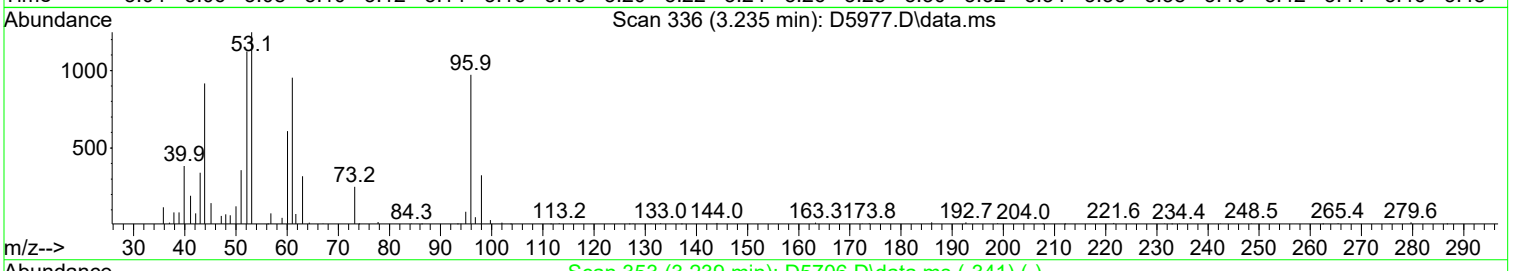
05/29/24

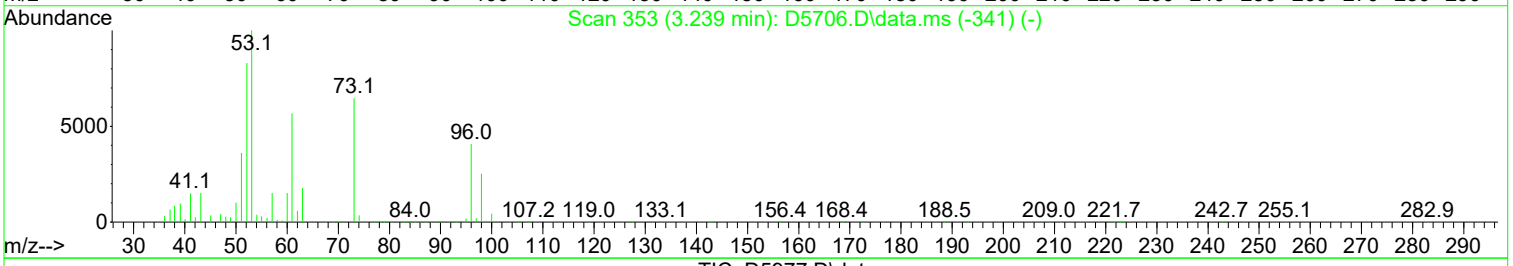
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5977.D
Acq On : 28 May 2024 03:08 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 29 08:45:44 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu May 16 14:56:42 2024
Response via : Initial Calibration







TIC: D5977.D\data.ms

(27) trans-1,2-Dichloroethene (P)

3.235min (-0.004) 0.32 ug/L

response 994

Ion	Exp%	Act%
96.00	100.00	100.00
98.00	61.80	33.23#
61.00	139.20	105.76#
0.00	0.00	0.00

Manual Integration:

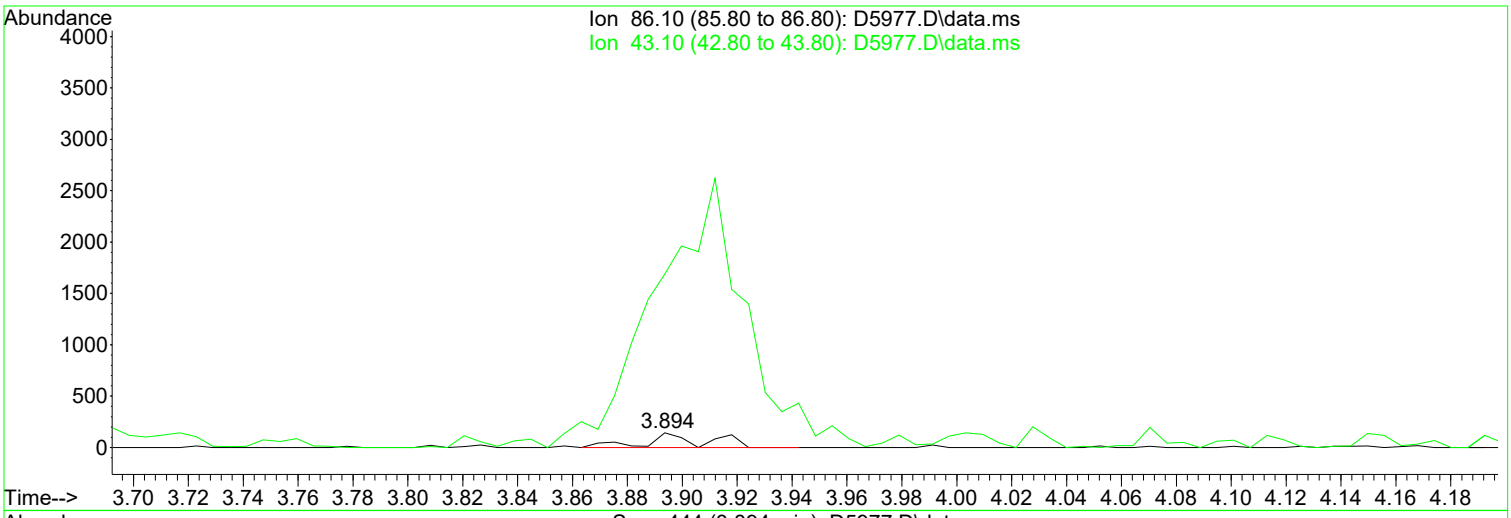
Before

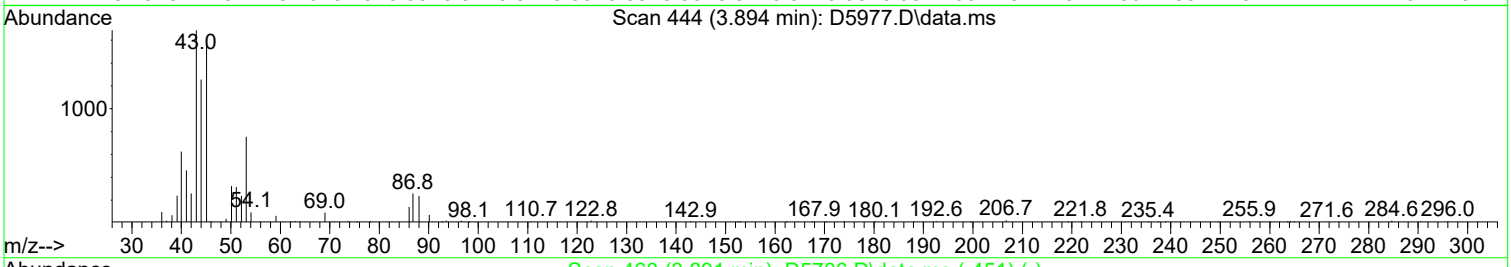
05/29/24

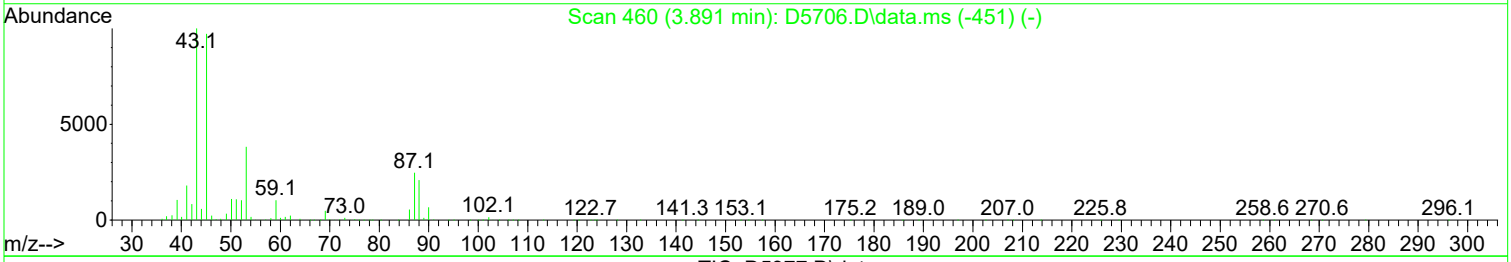
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5977.D
Acq On : 28 May 2024 03:08 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 29 08:45:44 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu May 16 14:56:42 2024
Response via : Initial Calibration







TIC: D5977.D\data.ms

(29) Vinyl Acetate

3.894min (+ 0.002) 0.51 ug/L m

response 208

Ion	Exp%	Act%
86.10	100.00	100.00
43.10	1840.50	651.35#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

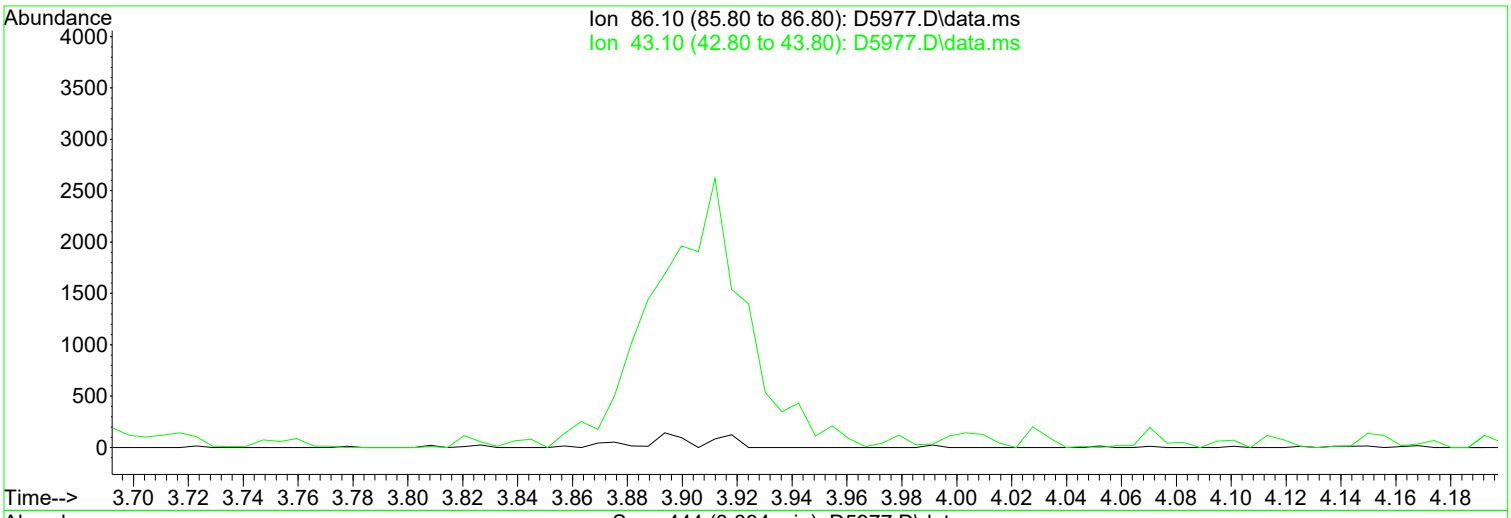
Peak not found.

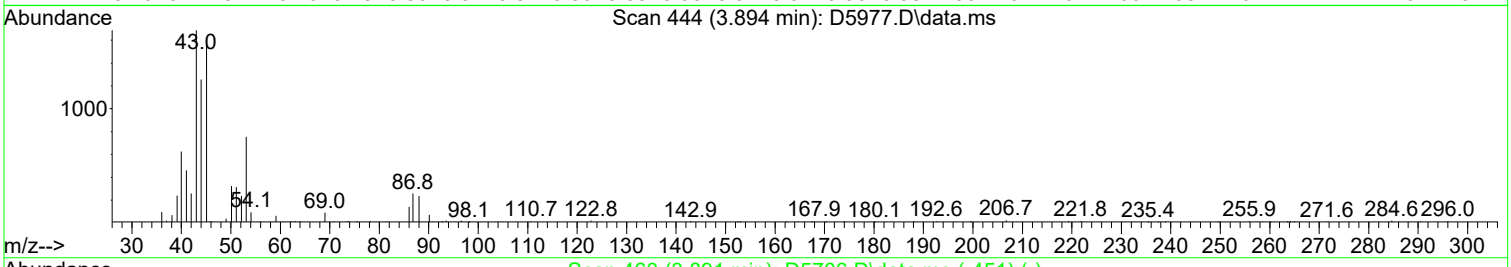
05/29/24

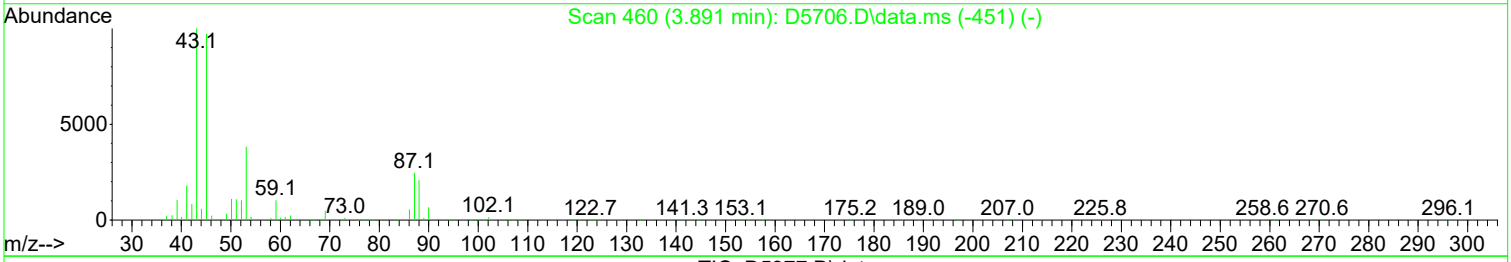
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5977.D
Acq On : 28 May 2024 03:08 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 29 08:45:44 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu May 16 14:56:42 2024
Response via : Initial Calibration







TIC: D5977.D\data.ms

(29) Vinyl Acetate

3.891min (-3.891) 0.00 ug/L

response 0

Ion	Exp%	Act%
86.10	100.00	0.00
43.10	1840.50	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

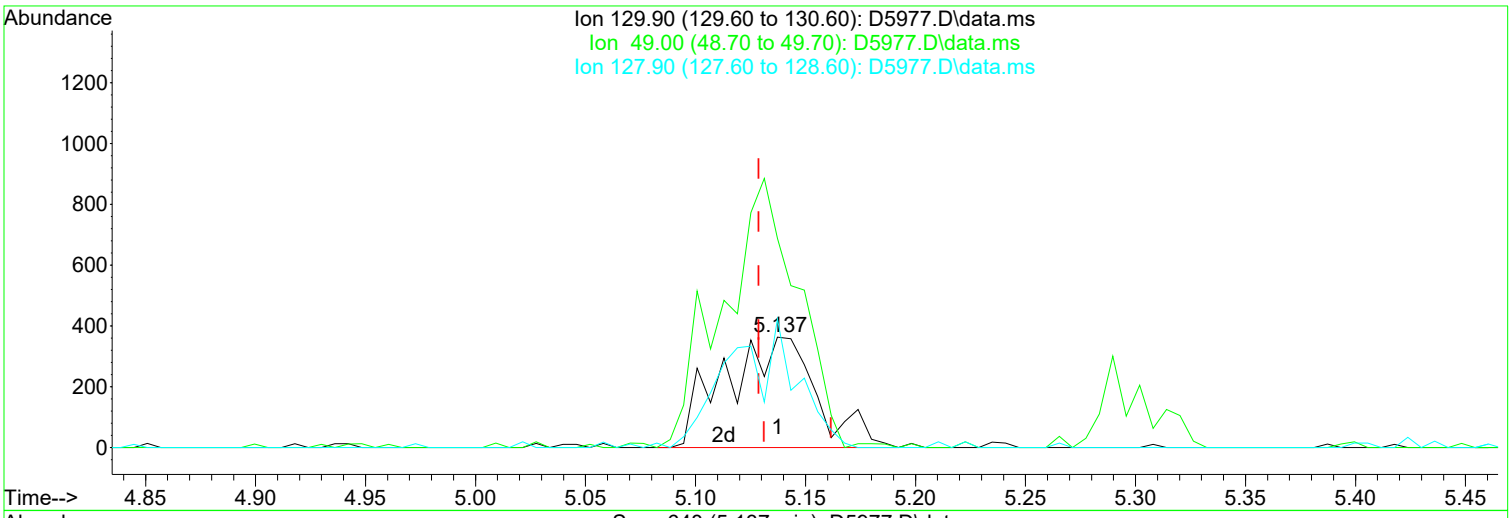
Before

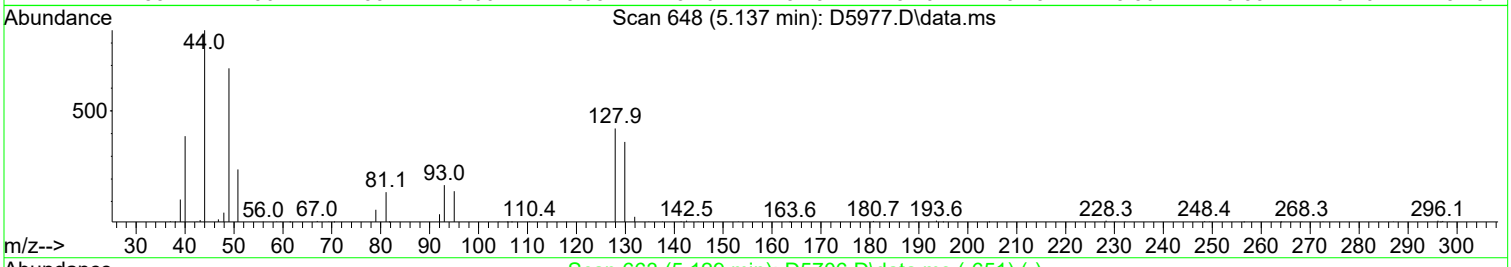
05/29/24

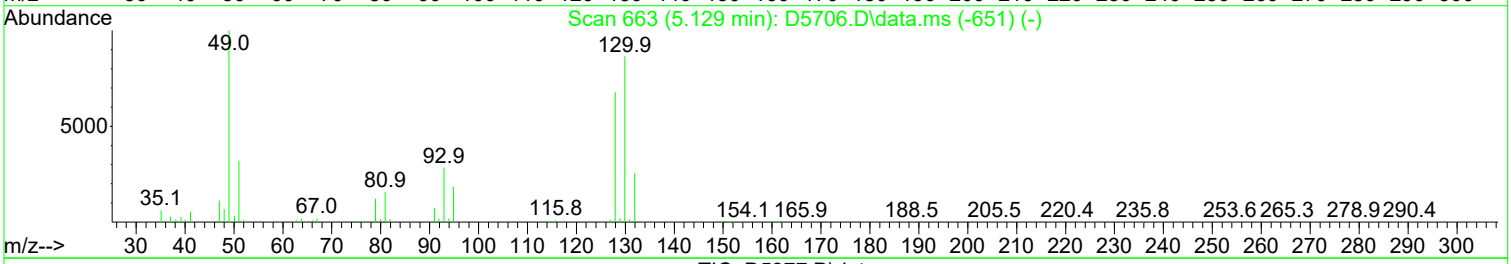
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5977.D
Acq On : 28 May 2024 03:08 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 29 08:45:44 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu May 16 14:56:42 2024
Response via : Initial Calibration







TIC: D5977.D\data.ms

(37) Bromochloromethane

5.137min (+ 0.008) 0.43 ug/L m

response 1057

Ion	Exp%	Act%
129.90	100.00	100.00
49.00	115.70	189.53#
127.90	78.50	116.53#
0.00	0.00	0.00

Manual Integration:

After

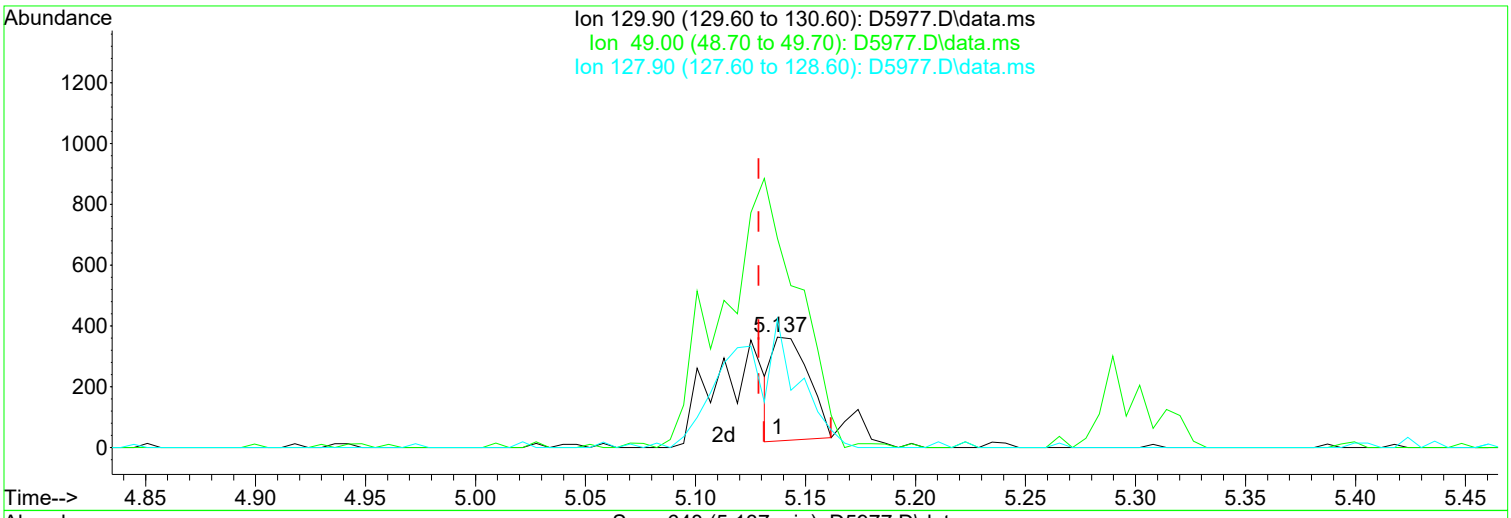
Poor integration.

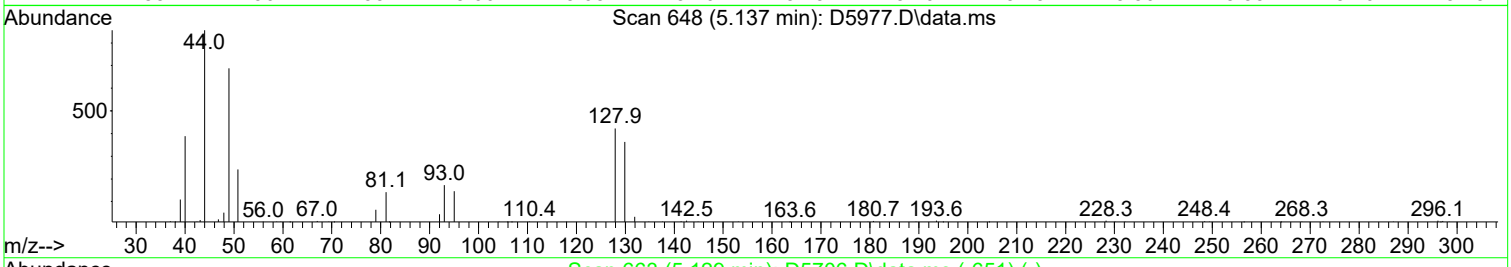
05/29/24

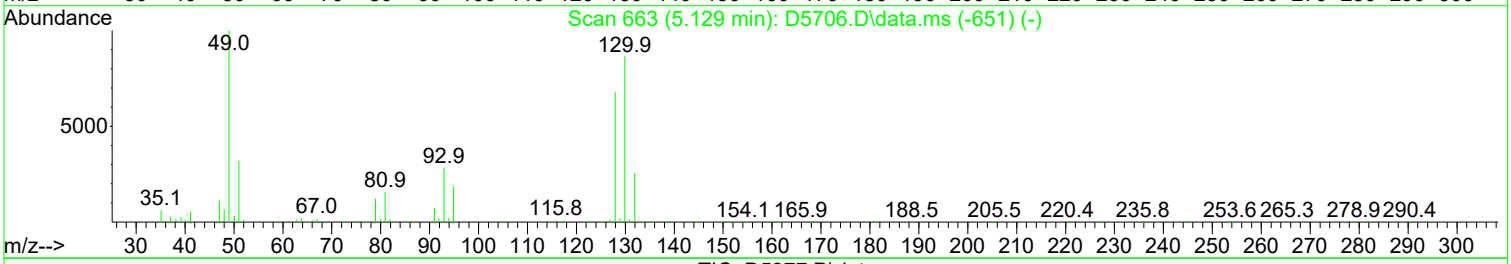
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5977.D
Acq On : 28 May 2024 03:08 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 29 08:45:44 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu May 16 14:56:42 2024
Response via : Initial Calibration







TIC: D5977.D\data.ms

(37) Bromochloromethane

5.137min (+ 0.008) 0.16 ug/L

response 389

Ion	Exp%	Act%
129.90	100.00	100.00
49.00	115.70	189.53#
127.90	78.50	116.53#
0.00	0.00	0.00

Manual Integration:

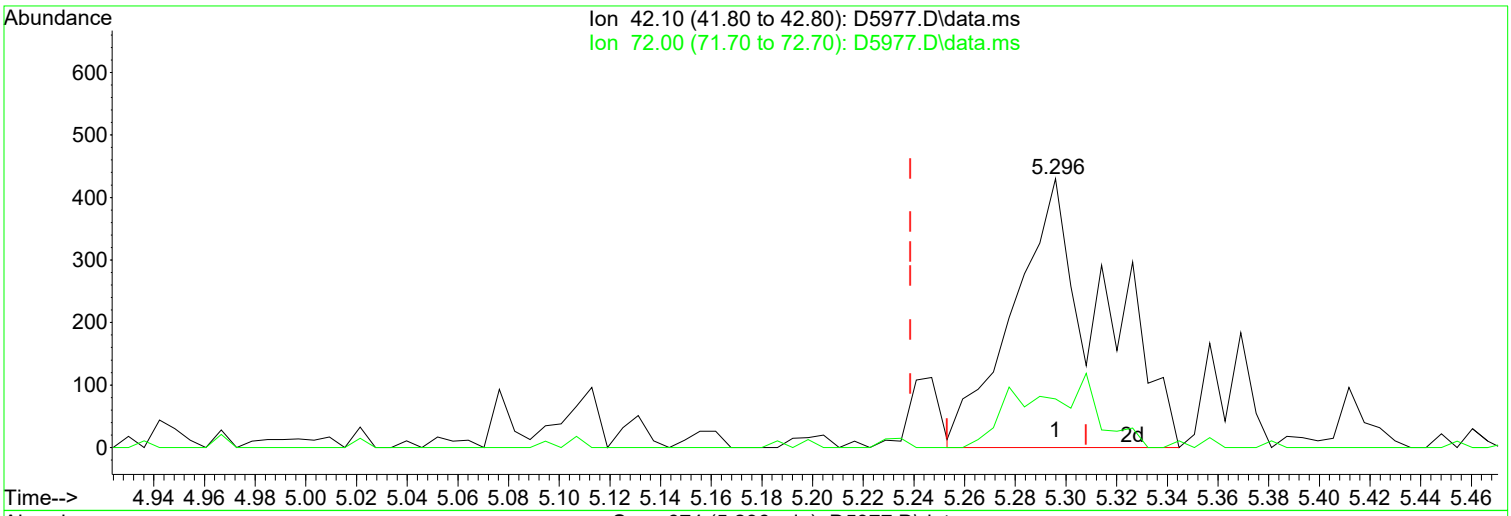
Before

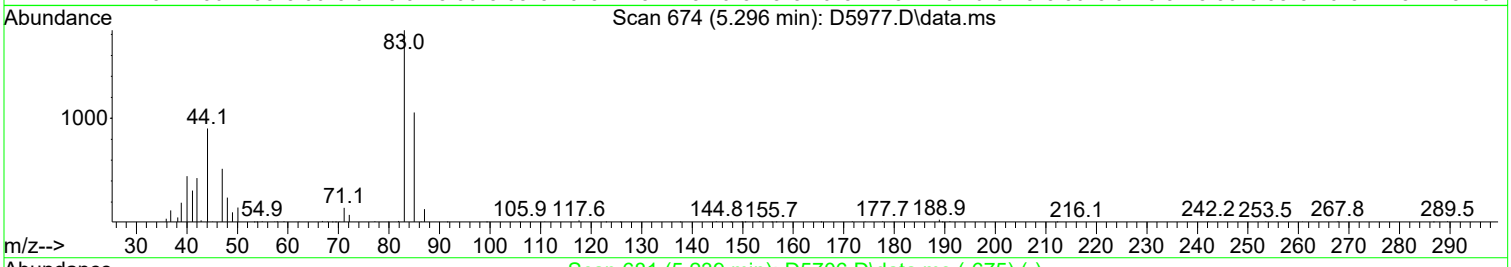
05/29/24

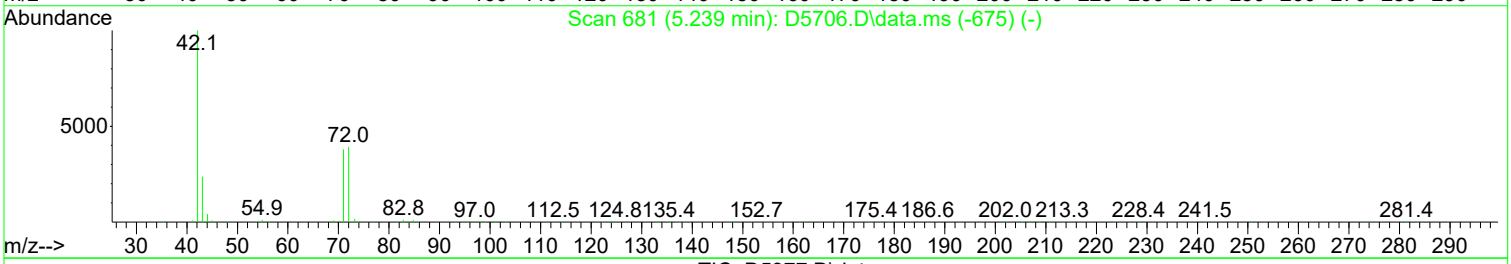
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5977.D
Acq On : 28 May 2024 03:08 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 29 08:45:44 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu May 16 14:56:42 2024
Response via : Initial Calibration







TIC: D5977.D\data.ms

(39) Tetrahydrofuran

5.296min (+ 0.057) 0.73 ug/L m

response 1055

Ion	Exp%	Act%
42.10	100.00	100.00
72.00	37.90	18.14
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

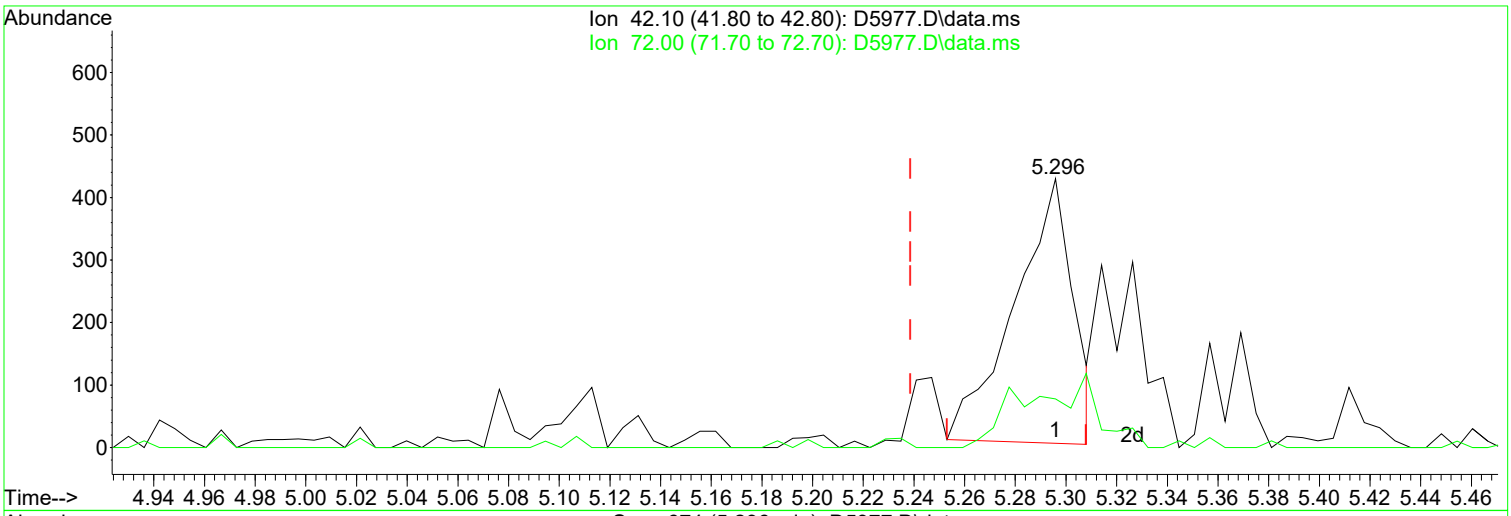
Poor integration.

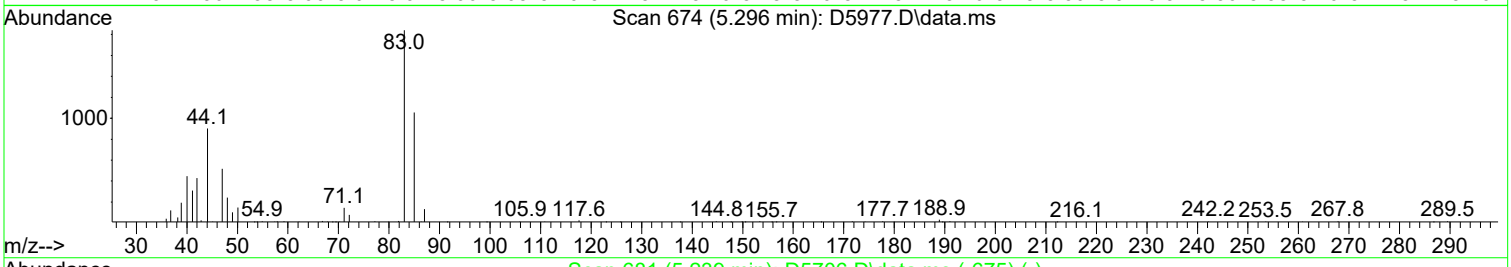
05/29/24

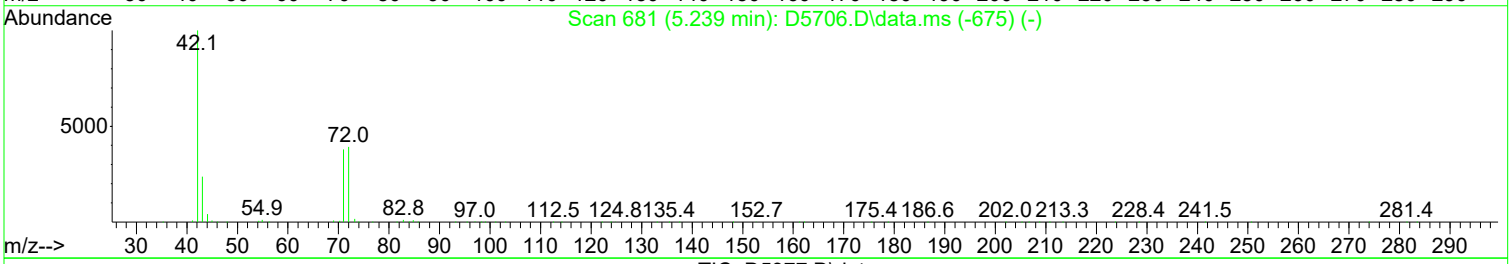
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5977.D
Acq On : 28 May 2024 03:08 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 29 08:45:44 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu May 16 14:56:42 2024
Response via : Initial Calibration







TIC: D5977.D\data.ms

(39) Tetrahydrofuran

5.296min (+ 0.057) 0.47 ug/L

response 674

Ion	Exp%	Act%
42.10	100.00	100.00
72.00	37.90	17.11#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

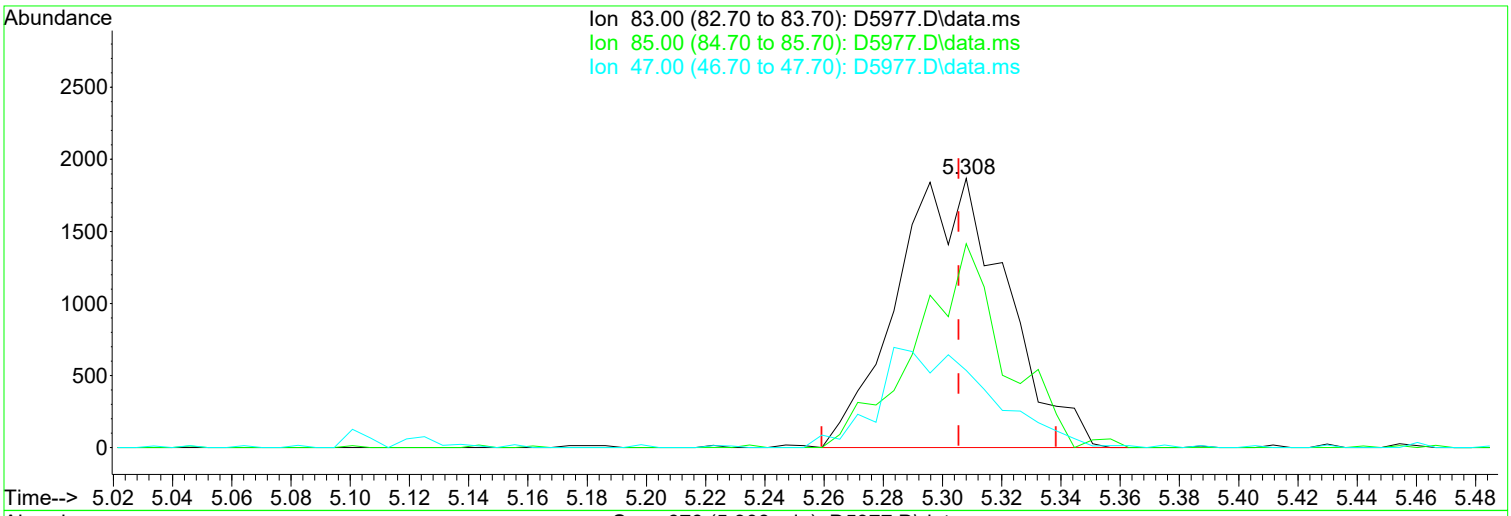
Before

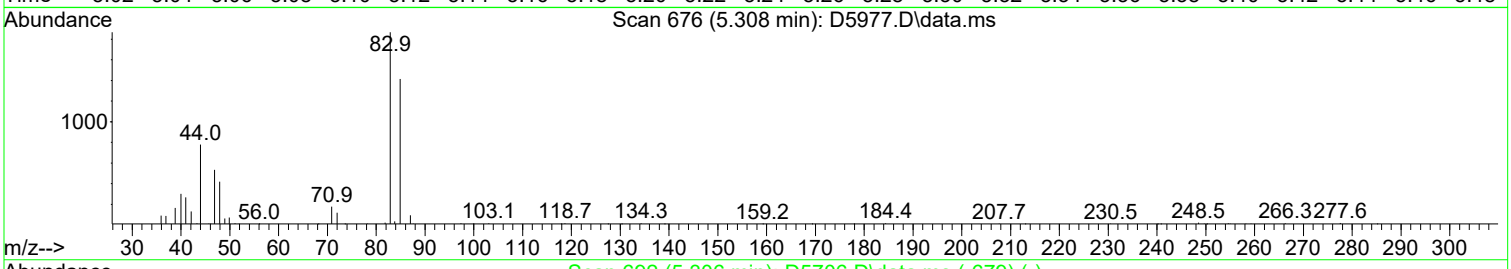
05/29/24

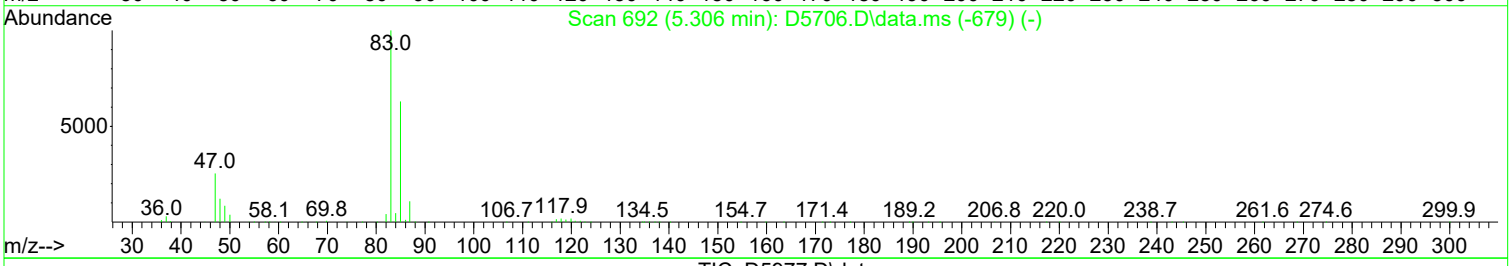
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5977.D
Acq On : 28 May 2024 03:08 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 29 08:45:44 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu May 16 14:56:42 2024
Response via : Initial Calibration







TIC: D5977.D\data.ms

(40) Chloroform (P)

5.308min (+ 0.002) 0.88 ug/L m

response 4780

Ion	Exp%	Act%
83.00	100.00	100.00
85.00	63.00	75.74
47.00	25.40	28.66
0.00	0.00	0.00

Manual Integration:

After

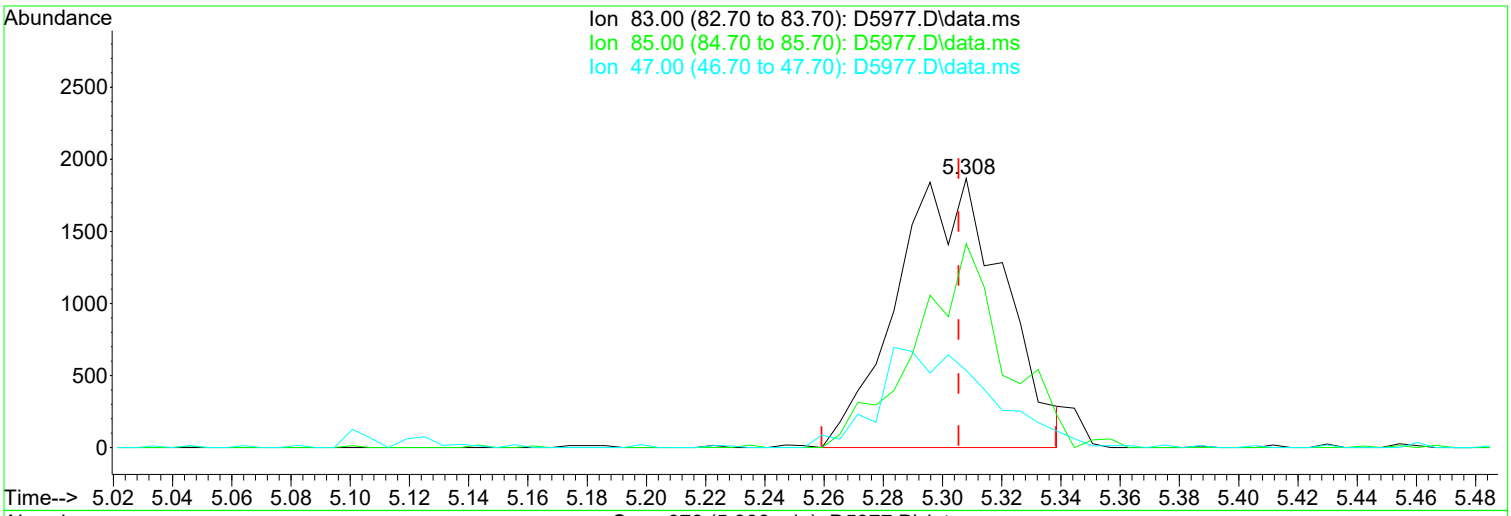
Poor integration.

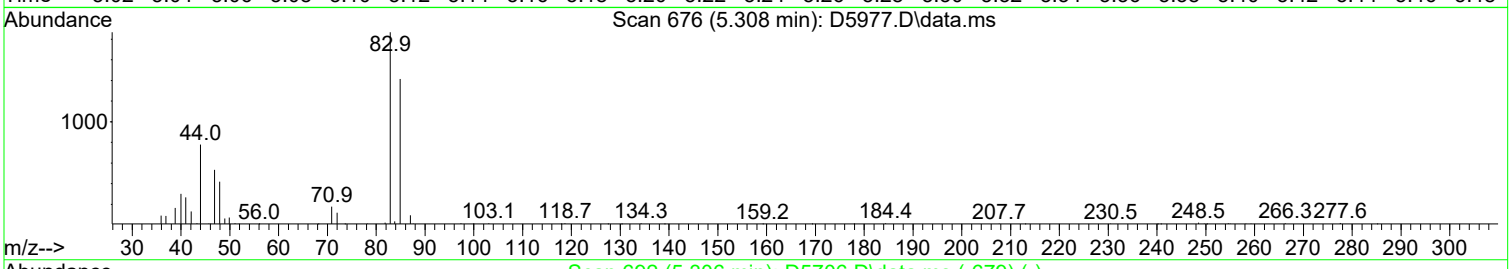
05/29/24

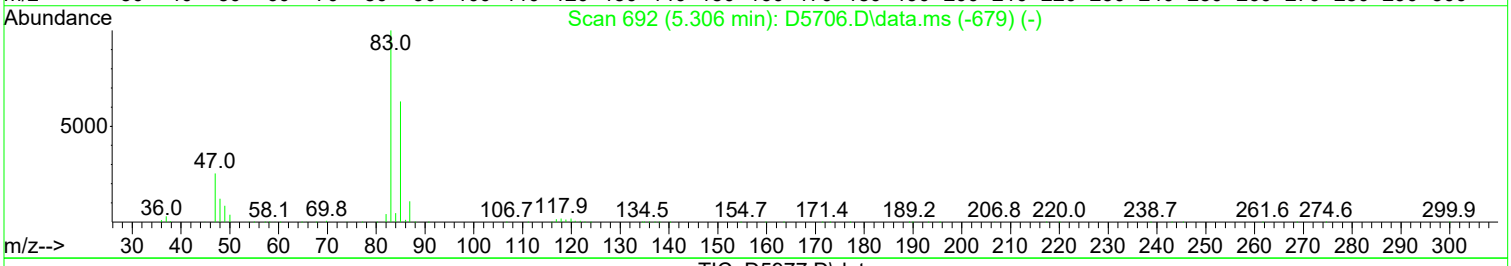
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5977.D
Acq On : 28 May 2024 03:08 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 29 08:45:44 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu May 16 14:56:42 2024
Response via : Initial Calibration







TIC: D5977.D\data.ms

(40) Chloroform (P)

5.308min (+ 0.002) 0.86 ug/L

response 4671

Ion	Exp%	Act%
83.00	100.00	100.00
85.00	63.00	75.74
47.00	25.40	28.66
0.00	0.00	0.00

Manual Integration:

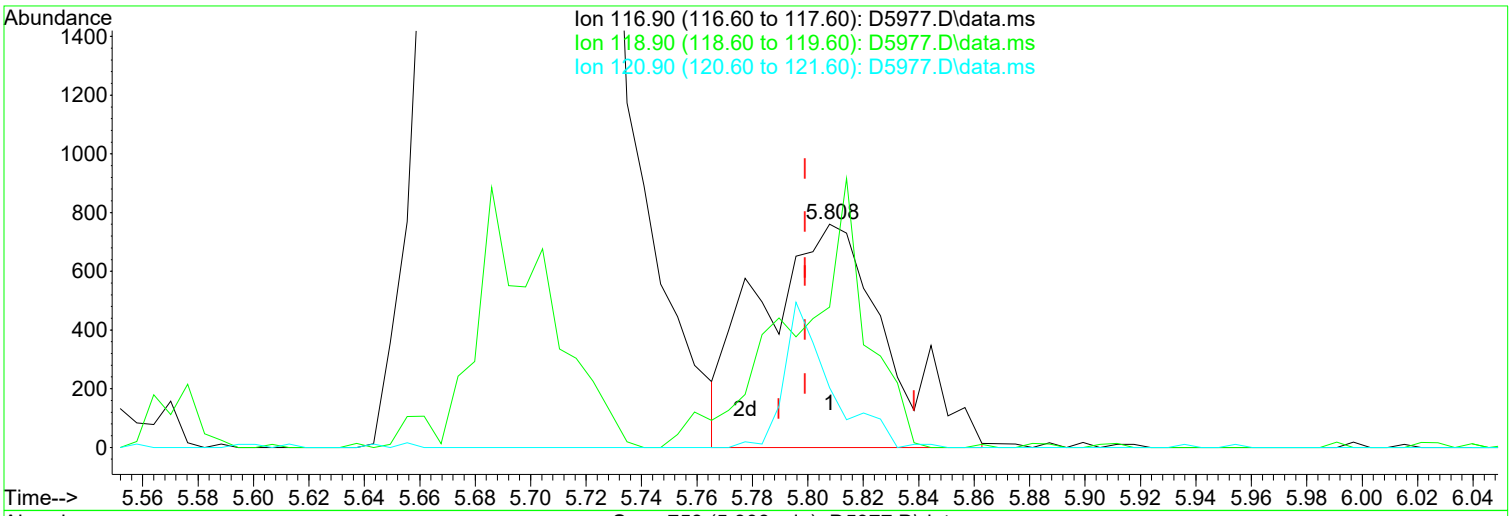
Before

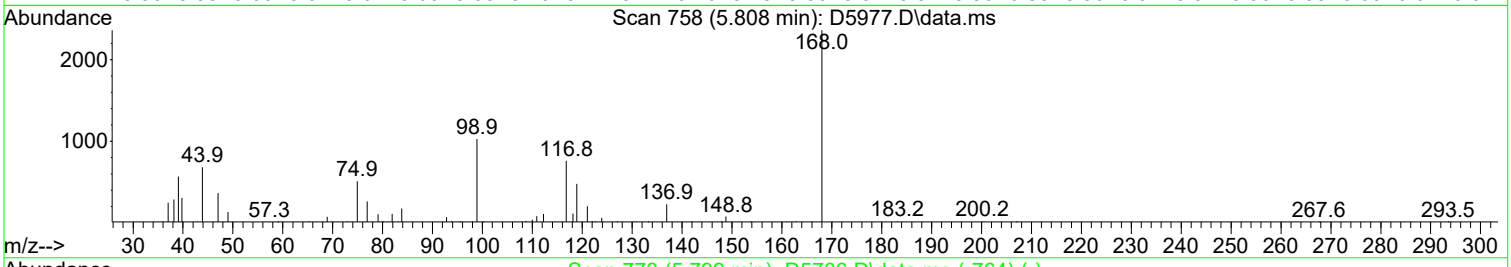
05/29/24

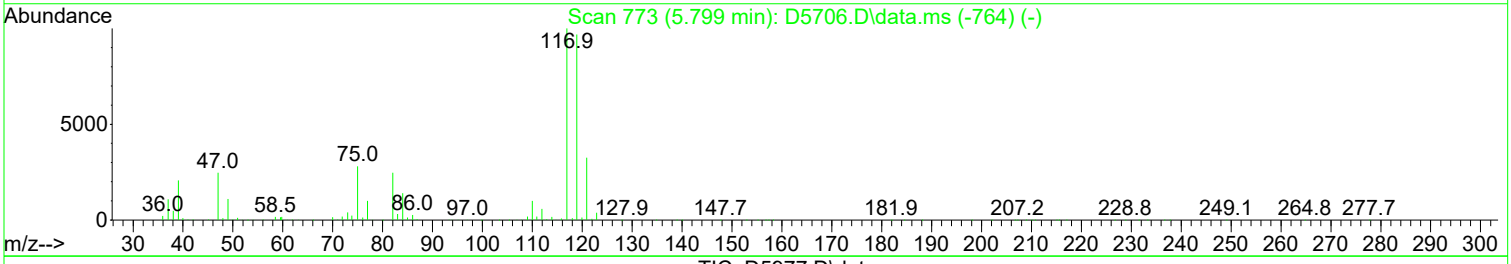
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5977.D
Acq On : 28 May 2024 03:08 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 29 08:45:44 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu May 16 14:56:42 2024
Response via : Initial Calibration







TIC: D5977.D\data.ms

(45) Carbontetrachloride (P)

5.808min (+ 0.009) 0.50 ug/L m

response 2424

Ion	Exp%	Act%
116.90	100.00	100.00
118.90	96.20	62.81#
120.90	32.30	26.68
0.00	0.00	0.00

Manual Integration:

After

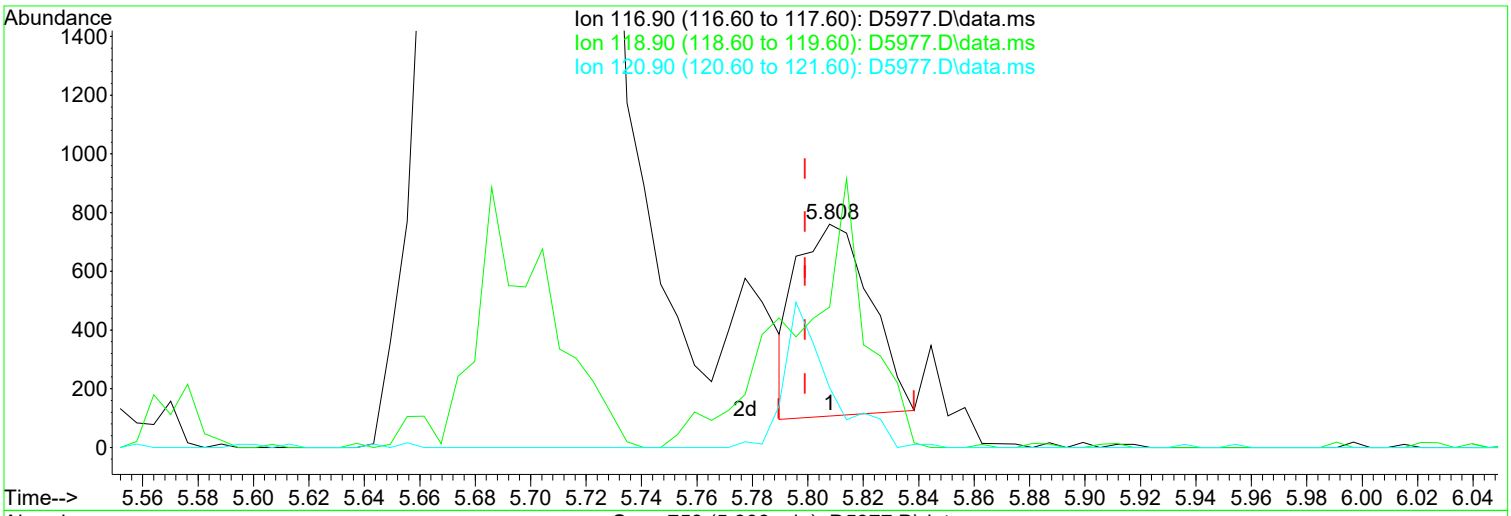
Poor integration.

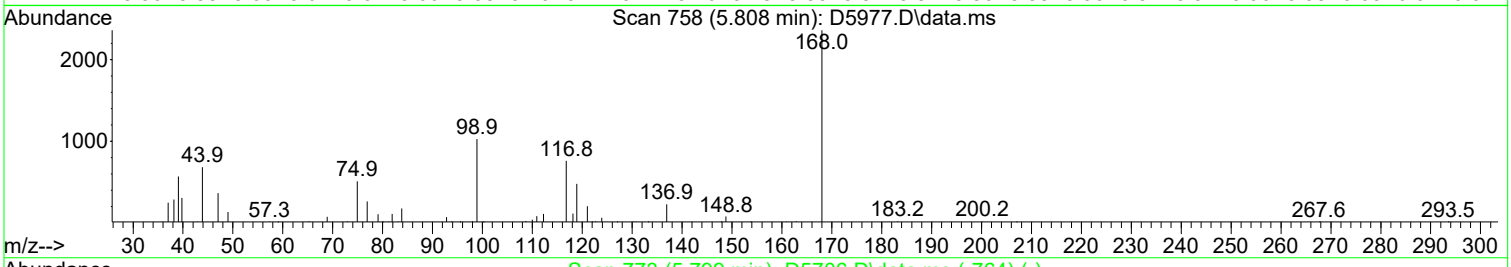
05/29/24

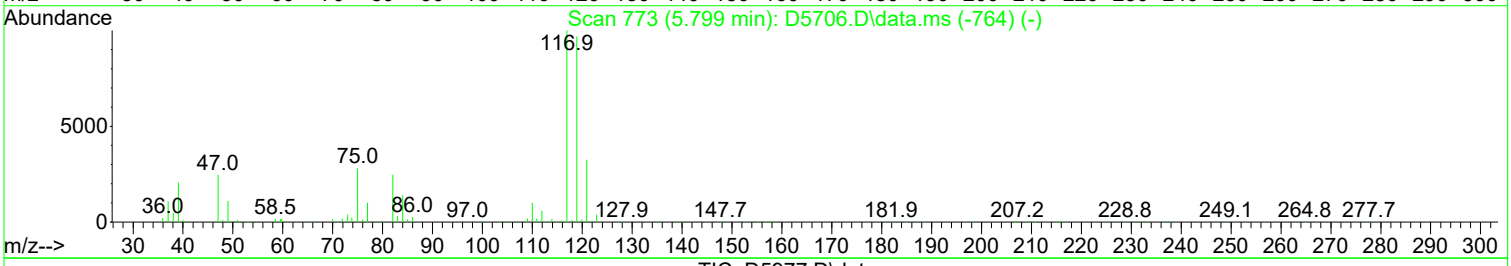
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5977.D
Acq On : 28 May 2024 03:08 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 29 08:45:44 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu May 16 14:56:42 2024
Response via : Initial Calibration







TIC: D5977.D\data.ms

(45) Carbontetrachloride (P)

5.808min (+ 0.009) 0.24 ug/L

response 1199

Ion	Exp%	Act%
116.90	100.00	100.00
118.90	96.20	62.81#
120.90	32.30	26.68
0.00	0.00	0.00

Manual Integration:

Before

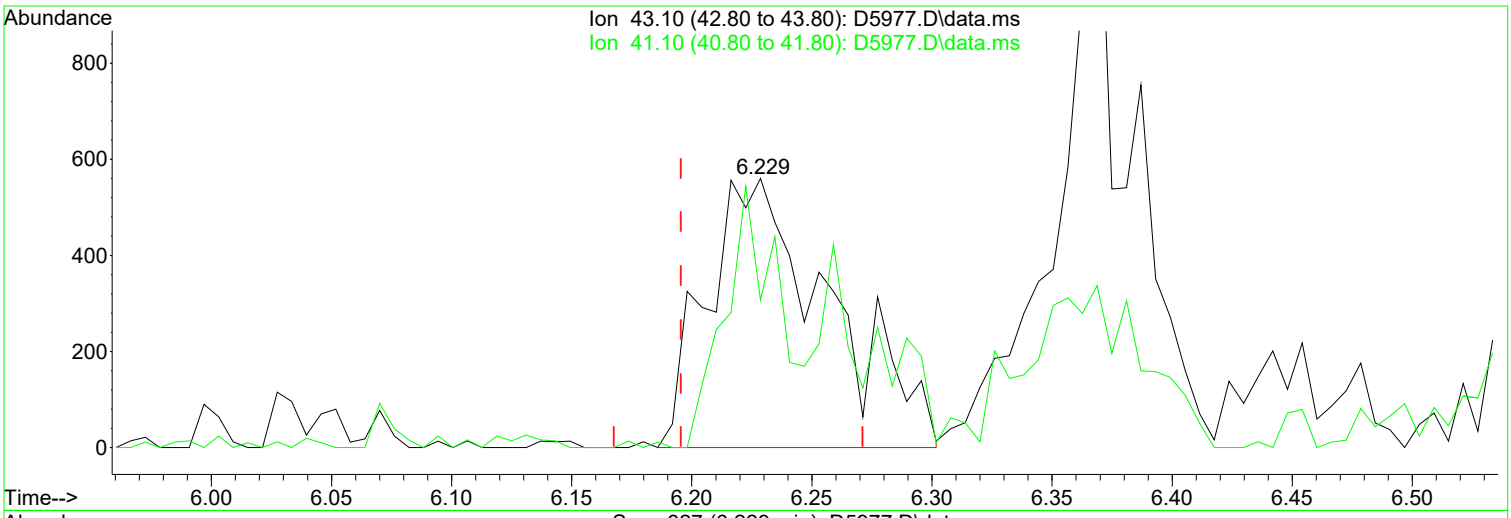
05/29/24

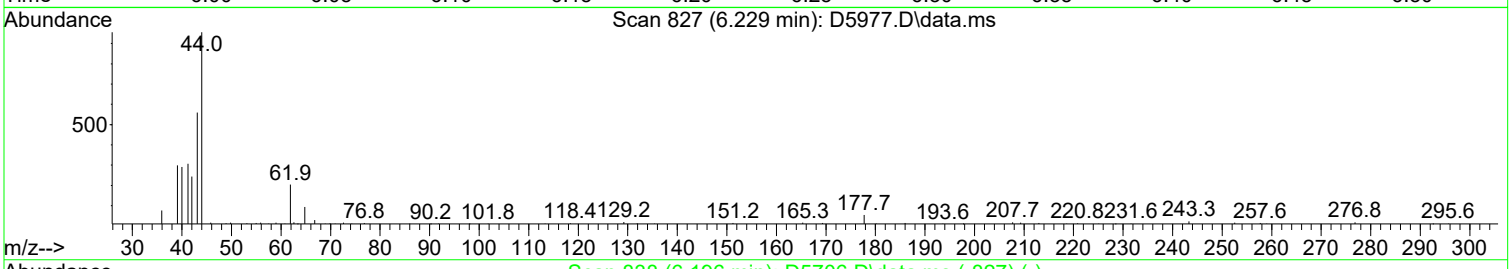
1st FN 05/29/24
2nd 05/29/24

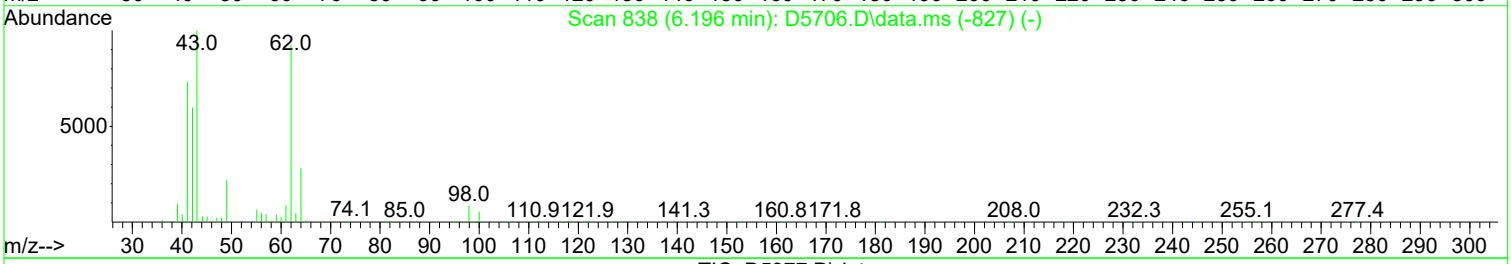
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5977.D
Acq On : 28 May 2024 03:08 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 29 08:45:44 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu May 16 14:56:42 2024
Response via : Initial Calibration







TIC: D5977.D\data.ms

(50) Iso-Butyl Alcohol

6.229min (+ 0.033) 7.72 ug/L m

response 1999

Ion	Exp%	Act%
43.10	100.00	100.00
41.10	73.20	54.82
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

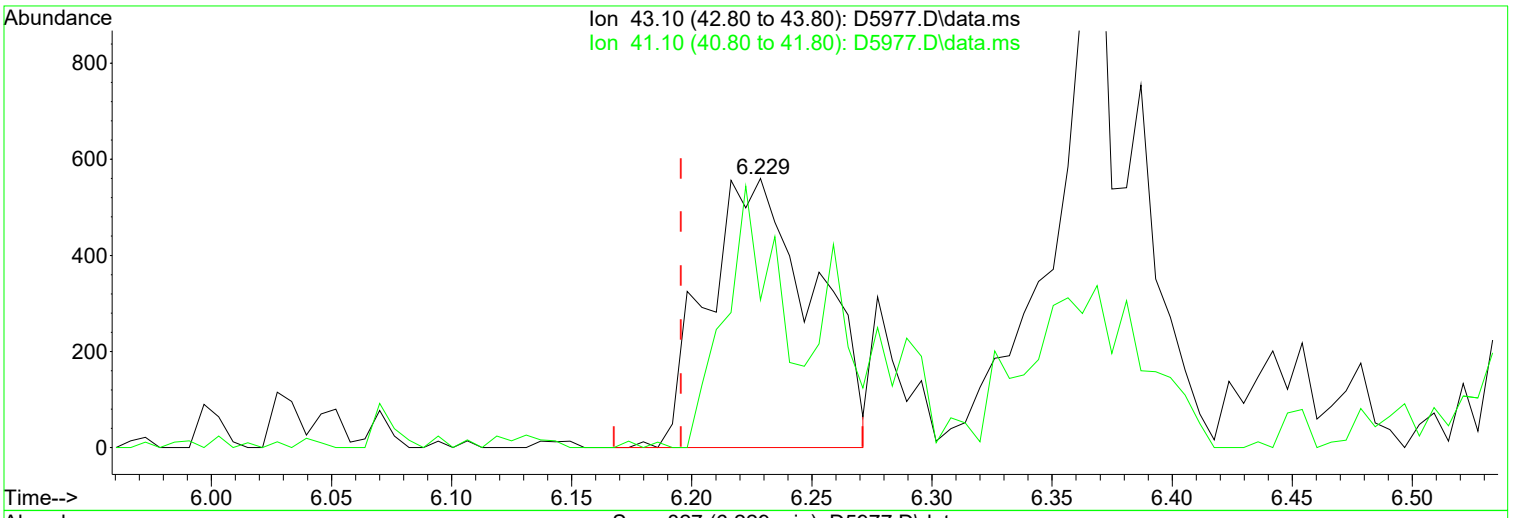
Poor integration.

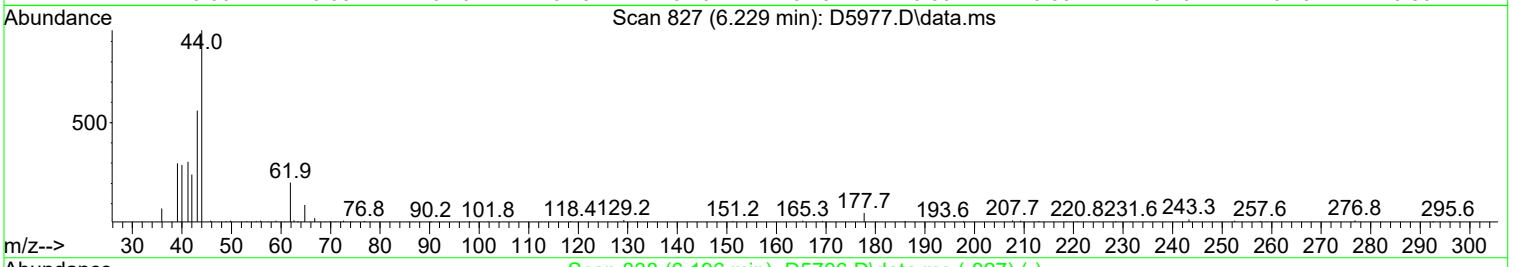
05/29/24

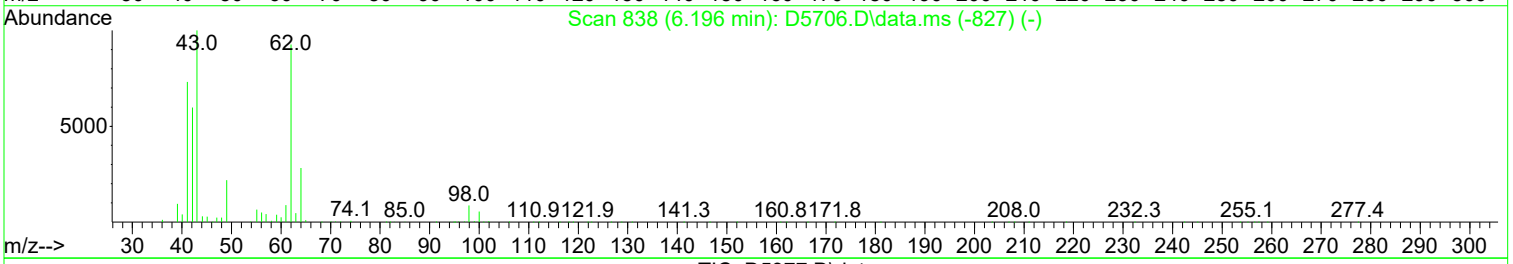
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5977.D
Acq On : 28 May 2024 03:08 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 29 08:45:44 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu May 16 14:56:42 2024
Response via : Initial Calibration







TIC: D5977.D\data.ms

(50) Iso-Butyl Alcohol

6.229min (+ 0.033) 6.69 ug/L

response 1732

Ion	Exp%	Act%
43.10	100.00	100.00
41.10	73.20	54.82
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

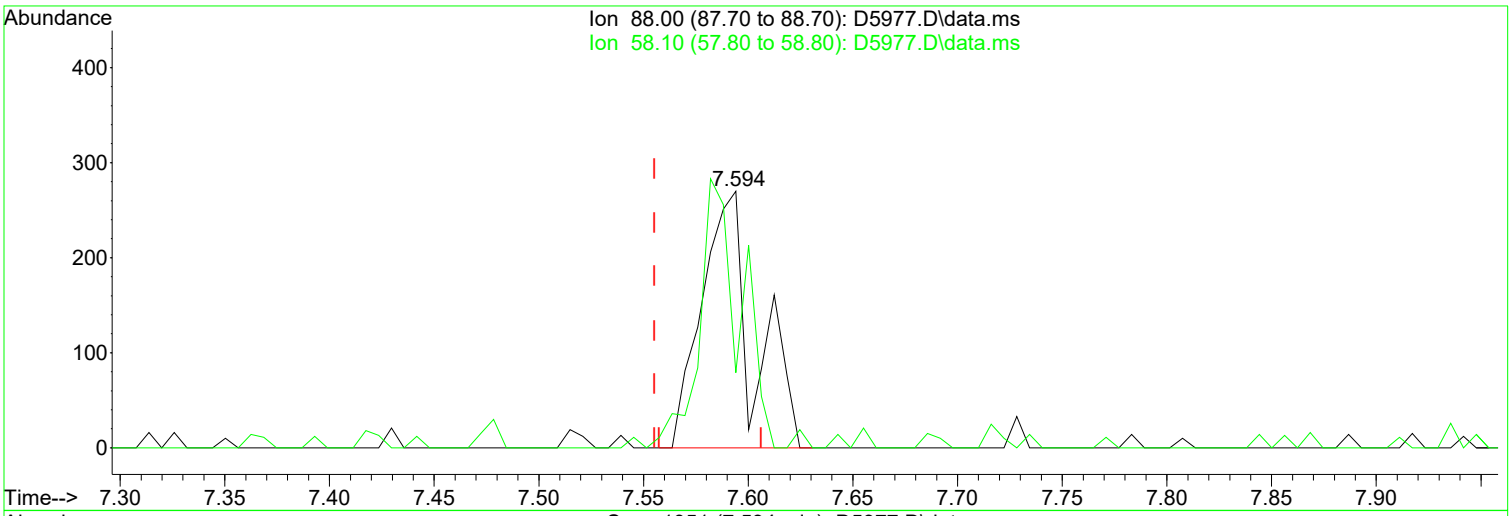
Before

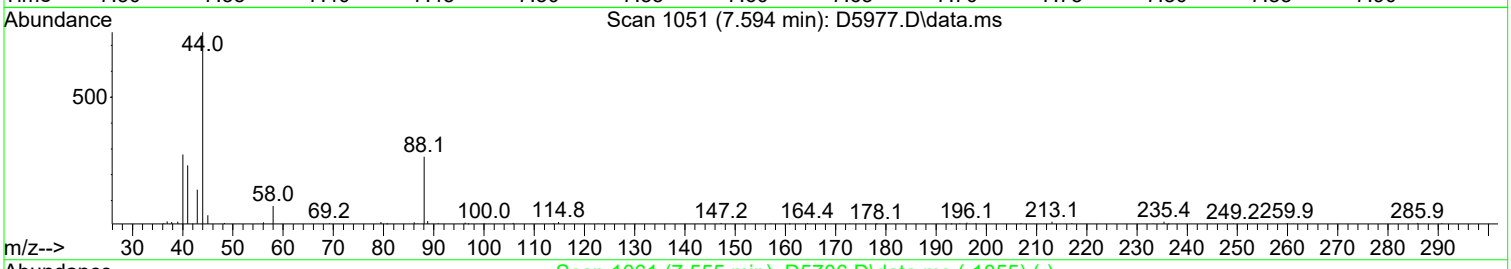
05/29/24

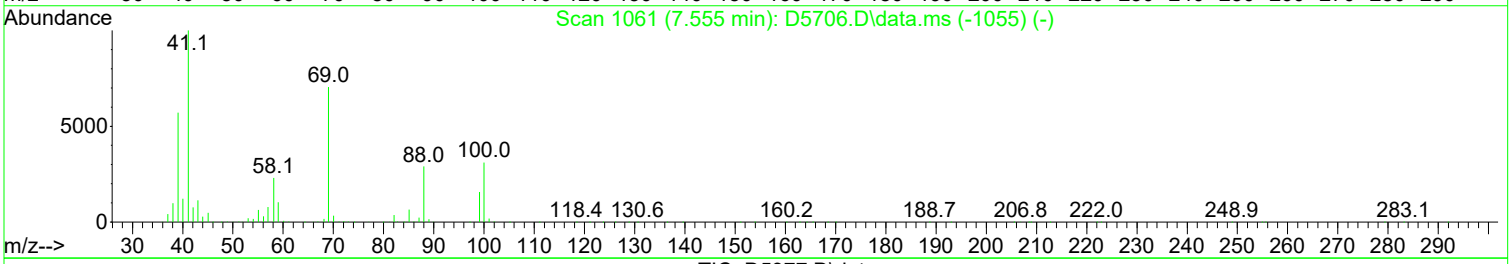
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5977.D
Acq On : 28 May 2024 03:08 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 29 08:45:44 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu May 16 14:56:42 2024
Response via : Initial Calibration







TIC: D5977.D\data.ms

(58) 1,4-Dioxane

7.594min (+ 0.039) 6.74 ug/L m

response 466

Ion	Exp%	Act%
88.00	100.00	100.00
58.10	79.40	29.26#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

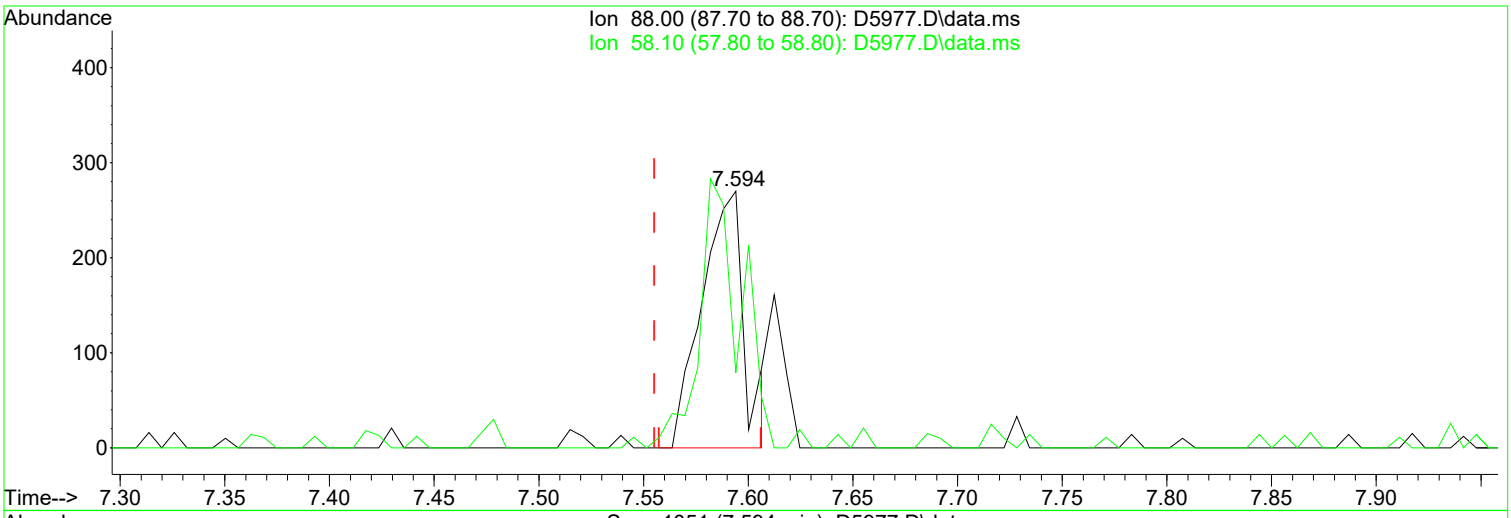
Poor integration.

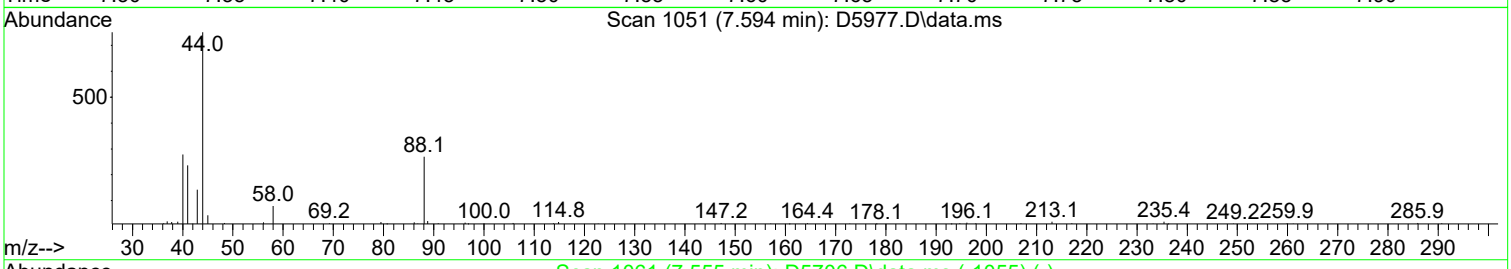
05/29/24

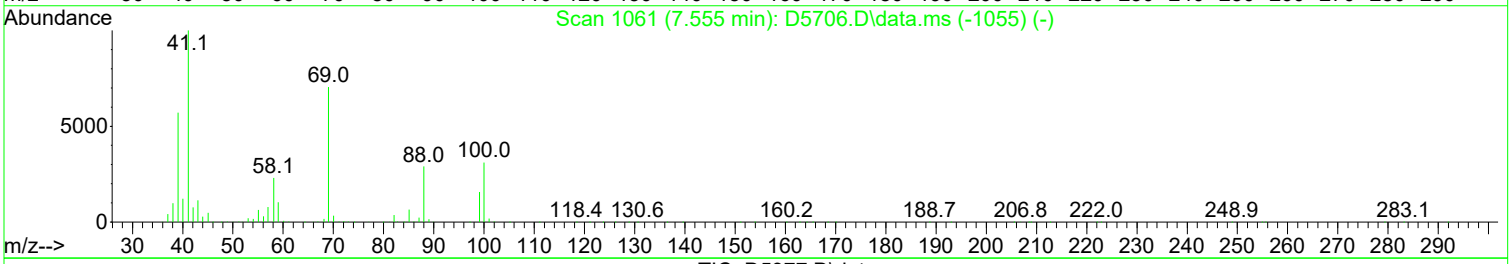
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5977.D
Acq On : 28 May 2024 03:08 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 29 08:45:44 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu May 16 14:56:42 2024
Response via : Initial Calibration







TIC: D5977.D\data.ms

(58) 1,4-Dioxane

7.594min (+ 0.039) 5.48 ug/L

response 379

Ion	Exp%	Act%
88.00	100.00	100.00
58.10	79.40	29.26#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

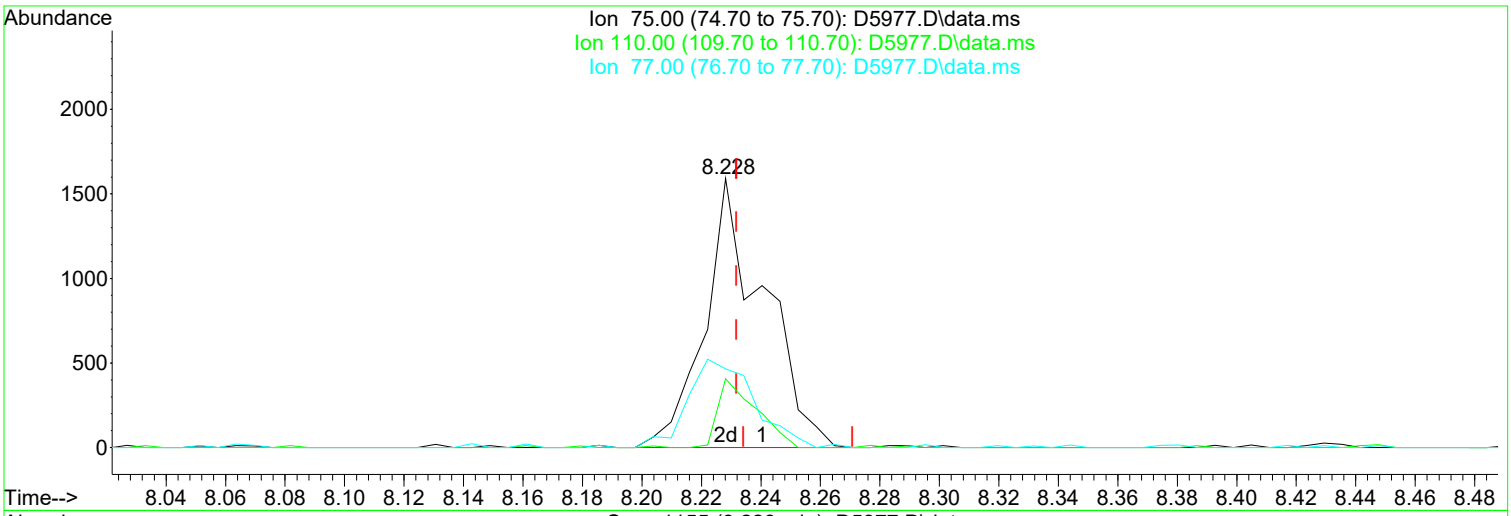
Before

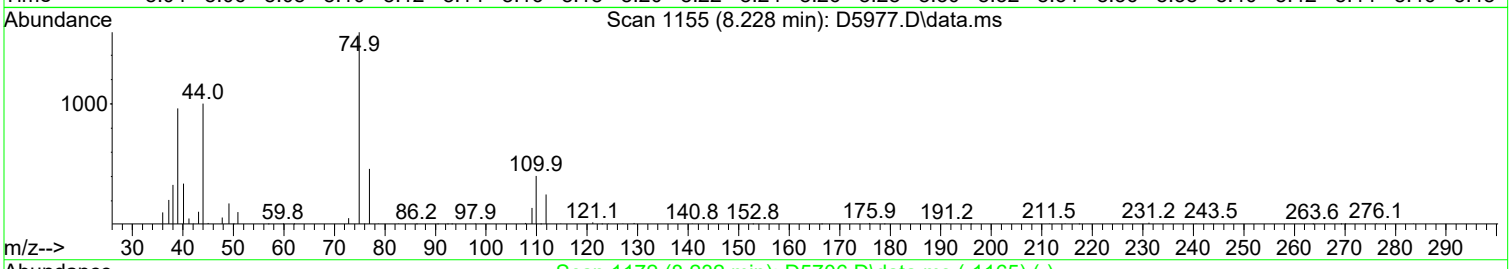
05/29/24

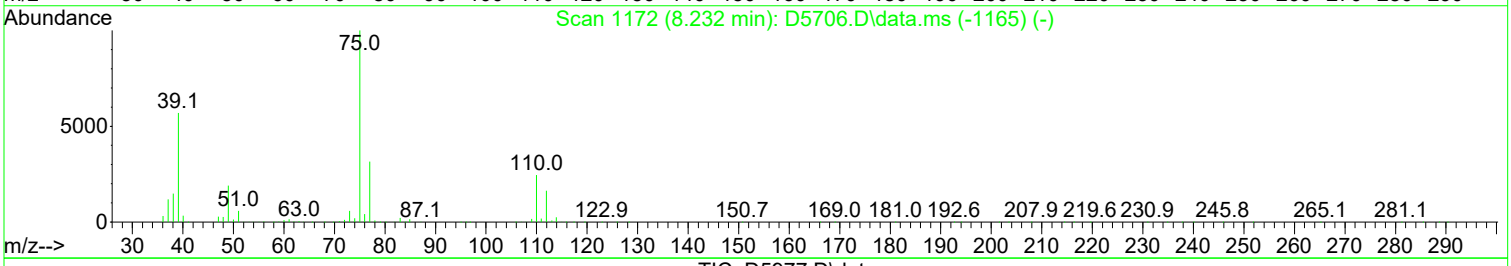
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5977.D
Acq On : 28 May 2024 03:08 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 29 08:45:44 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu May 16 14:56:42 2024
Response via : Initial Calibration







TIC: D5977.D\data.ms

(63) cis-1,3-Dichloropropene (P)

8.228min (-0.004) 0.42 ug/L m

response 2195

Ion	Exp%	Act%
75.00	100.00	100.00
110.00	24.60	25.52
77.00	31.60	29.23
0.00	0.00	0.00

Manual Integration:

After

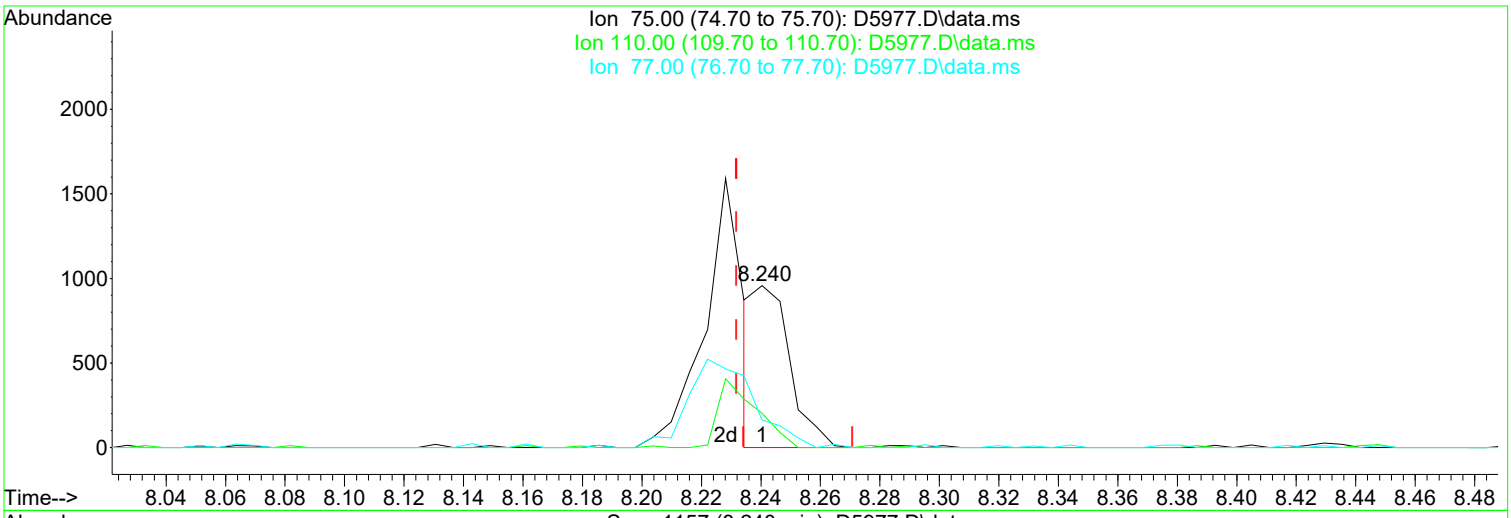
Poor integration.

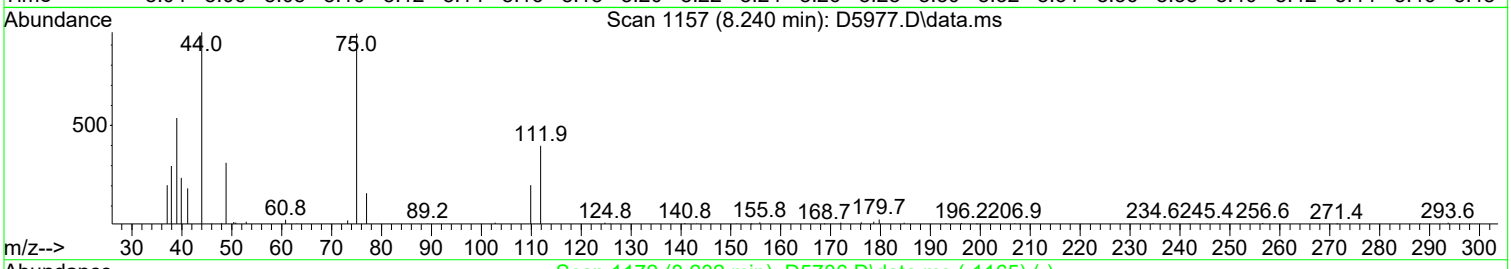
05/29/24

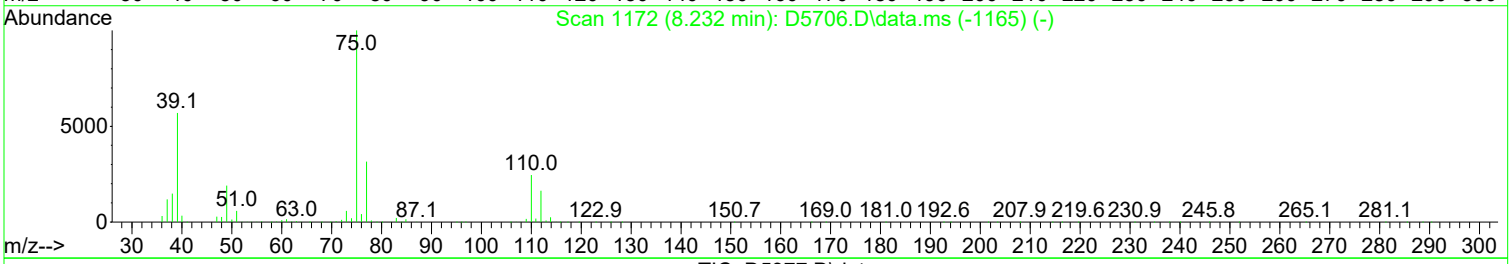
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5977.D
Acq On : 28 May 2024 03:08 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 29 08:45:44 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu May 16 14:56:42 2024
Response via : Initial Calibration







TIC: D5977.D\data.ms

(63) cis-1,3-Dichloropropene (P)

8.240min (+ 0.008) 0.15 ug/L

response 798

Ion	Exp%	Act%
75.00	100.00	100.00
110.00	24.60	21.09
77.00	31.60	17.01
0.00	0.00	0.00

Manual Integration:

Before

05/29/24

1st FNJ 05/29/24
2nd 05/29/24

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5977.D
Acq On : 28 May 2024 03:08 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 29 08:45:44 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu May 16 14:56:42 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.698	168	423102	50.00	ug/L		0.00
42) 1,4-Difluorobenzene	6.741	114	584001	50.00	ug/L		0.00
71) d5-Chlorobenzene	9.984	117	511407	50.00	ug/L		0.00
91) 1,4-Dichlorobenzene-d4	12.014	152	266203	50.00	ug/L		0.00
System Monitoring Compounds							
44) surr4,Dibrflmethane	5.576	113	38629	12.08	ug/L		0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 24.16%#				
47) surr1,1,2-dichloroetha...	6.088	65	51048	14.02	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 28.04%#				
65) SURR3,Toluene-d8	8.509	98	155000	12.46	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 24.92%#				
70) SURR2,BFB	11.051	95	57067	11.95	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 23.90%#				
Target Compounds							Qvalue
2) Chlorodifluoromethane	1.254	51	2256	0.598	ug/L		71
3) Dichlorodifluoromethane	1.242	85	1870	0.445	ug/L		99
4) Chloromethane	1.382	50	2509	0.425	ug/L		100
5) Vinyl Chloride	1.461	62	2119	0.529	ug/L		88
6) Bromomethane	1.705	94	2087	0.860	ug/L		94
7) Chloroethane	1.790	64	1753	0.625	ug/L		83
8) Freon 21	1.955	67	3169	0.574	ug/L		91
9) Trichlorofluoromethane	1.992	101	2549	0.544	ug/L		86
10) Diethyl Ether	2.248	59	1773	0.617	ug/L	#	74
11) Freon 123a	2.254	67	1593	0.481	ug/L		79
12) Freon 123	2.309	83	2126	0.538	ug/L		82
13) Acrolein	2.370	56	2783	3.453	ug/L		83
14) 1,1-Diclethene	2.449	96	1665	0.584	ug/L	#	66
15) Freon 113	2.437	101	1349	0.483	ug/L		90
16) Acetone	2.522	43	2298	1.315	ug/L		80
17) 2-Propanol	2.674	45	3539	9.893	ug/L		71
19) Carbon Disulfide	2.644	76	4853	0.622	ug/L		96
20) Acetonitrile	2.808	41	3141m	3.443	ug/L		
21) Allyl Chloride	2.815	76	726	0.410	ug/L	#	93
22) Methyl Acetate	2.857	43	3347	0.740	ug/L		80
23) Methylene Chloride	2.943	84	1625	0.507	ug/L	#	87
24) TBA	3.119	59	5606	9.540	ug/L		88
25) Acrylonitrile	3.247	53	4810	2.933	ug/L		86
26) Methyl-t-Butyl Ether	3.266	73	4914	0.475	ug/L		84
27) trans-1,2-Dichloroethene	3.235	96	1666m	0.540	ug/L		
28) 1,1-Diclethane	3.790	63	2983	0.544	ug/L		95
29) Vinyl Acetate	3.894	86	208m	0.505	ug/L		
30) DIPE	3.912	45	6336	0.614	ug/L	#	73
31) 2-Chloro-1,3-Butadiene	3.906	53	3339	0.649	ug/L	#	63
32) ETBE	4.479	59	4871	0.476	ug/L		94
33) 2,2-Dichloropropane	4.668	77	2391	0.537	ug/L		73
34) cis-1,2-Dichloroethene	4.686	96	1890	0.536	ug/L		90
35) 2-Butanone	4.814	43	1710	0.762	ug/L		91
36) Propionitrile	4.942	54	2206	3.114	ug/L		97
37) Bromochloromethane	5.137	130	1057m	0.430	ug/L		
38) Methacrylonitrile	5.186	67	798	0.451	ug/L	#	69
39) Tetrahydrofuran	5.296	42	1055m	0.733	ug/L		
40) Chloroform	5.308	83	4780m	0.883	ug/L		
41) 1,1,1-Trichloroethane	5.546	97	2176	0.456	ug/L		98

1st FNJ 05/29/24
2nd 05/29/24

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Data File : D5977.D
Acq On : 28 May 2024 03:08 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 29 08:45:44 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu May 16 14:56:42 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) Cyclohexane	5.601	41	2051	0.679	ug/L		81
45) Carbontetrachloride	5.808	117	2424m	0.495	ug/L		
46) 1,1-Dichloropropene	5.820	75	2581	0.606	ug/L		84
48) Benzene	6.137	78	5795	0.462	ug/L		94
49) 1,2-Dichloroethane	6.210	62	2569	0.528	ug/L		91
50) Iso-Butyl Alcohol	6.229	43	1999m	7.724	ug/L		
51) TAME	6.369	73	4020	0.402	ug/L	#	54
52) n-Heptane	6.570	43	2823	0.779	ug/L	#	78
53) 1-Butanol	7.149	56	2065	12.484	ug/L	#	59
54) Trichloroethene	7.058	130	1502	0.403	ug/L	#	68
55) Methylcyclohexane	7.253	55	2444	0.605	ug/L	#	74
56) 1,2-Diclpropane	7.338	63	1880	0.557	ug/L		66
57) Dibromomethane	7.484	93	1174	0.516	ug/L	#	50
58) 1,4-Dioxane	7.594	88	466m	6.739	ug/L		
59) Methyl Methacrylate	7.558	69	1173	0.391	ug/L		88
60) Bromodichloromethane	7.704	83	2192	0.481	ug/L		91
61) 2-Nitropropane	8.015	41	896	0.616	ug/L	#	75
62) 2-Chloroethylvinyl Ether	8.094	63	1086	0.460	ug/L		91
63) cis-1,3-Dichloropropene	8.228	75	2195m	0.416	ug/L		
64) 4-Methyl-2-pentanone	8.460	43	2800	0.582	ug/L	#	76
66) Toluene	8.582	91	7077	0.505	ug/L		91
67) trans-1,3-Dichloropropene	8.862	75	2250	0.460	ug/L		89
68) Ethyl Methacrylate	8.990	69	2412	0.447	ug/L	#	71
69) 1,1,2-Trichloroethane	9.045	97	1505	0.439	ug/L		85
72) Tetrachloroethene	9.149	164	1260	0.416	ug/L	#	82
73) 2-Hexanone	9.338	43	2099	0.603	ug/L		98
74) 1,3-Dichloropropane	9.222	76	2222	0.432	ug/L		87
75) Dibromochloromethane	9.435	129	1325	0.341	ug/L		81
76) N-Butyl Acetate	9.472	43	3840	0.573	ug/L		95
77) 1,2-Dibromoethane	9.533	107	1430	0.453	ug/L		83
78) 3-Chlorobenzotrifluoride	10.020	180	2608	0.445	ug/L		97
79) Chlorobenzene	10.008	112	4540	0.470	ug/L		89
80) 4-Chlorobenzotrifluoride	10.069	180	2435	0.460	ug/L		80
81) 1,1,1,2-Tetrachloroethane	10.094	131	1487	0.402	ug/L	#	74
82) Ethylbenzene	10.118	106	2216	0.451	ug/L	#	87
83) (m+p)Xylene	10.228	106	5494	0.893	ug/L	#	74
84) o-Xylene	10.587	106	2476	0.416	ug/L	#	79
85) Styrene	10.606	104	4578	0.442	ug/L		97
86) Bromoform	10.764	173	1049	0.379	ug/L		84
87) 2-Chlorobenzotrifluoride	10.837	180	2608	0.458	ug/L		87
88) Isopropylbenzene	10.911	105	6823	0.450	ug/L		89
89) Cyclohexanone	11.014	55	8265	10.231	ug/L		92
90) trans-1,4-Dichloro-2-B...	11.246	53	565	0.391	ug/L	#	70
92) 1,1,2,2-Tetrachloroethane	11.197	83	2305	0.536	ug/L		95
93) Bromobenzene	11.167	156	2083	0.493	ug/L	#	75
94) 1,2,3-Trichloropropane	11.228	110	590	0.417	ug/L	#	85
95) n-Propylbenzene	11.270	91	7988	0.503	ug/L		96
96) 2-Chlorotoluene	11.337	91	4459	0.458	ug/L		85
97) 3-Chlorotoluene	11.392	91	5085	0.512	ug/L		96
98) 4-Chlorotoluene	11.435	91	5475	0.500	ug/L		85
99) 1,3,5-Trimethylbenzene	11.417	105	5539	0.464	ug/L		90
100) tert-Butylbenzene	11.691	119	5383	0.525	ug/L		88
101) 1,2,4-Trimethylbenzene	11.734	105	5450	0.450	ug/L		98
102) 3,4-Dichlorobenzotrifl...	11.795	214	2302	0.530	ug/L		95
103) sec-Butylbenzene	11.868	105	6174	0.438	ug/L		94
104) p-Isopropyltoluene	11.996	119	5484	0.427	ug/L		90

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5977.D
Acq On : 28 May 2024 03:08 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 29 08:45:44 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu May 16 14:56:42 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
105) 1,3-Dclbenz	11.965	146	3878	0.515 ug/L	#	68
106) 1,4-Dclbenz	12.038	146	4001	0.515 ug/L		81
107) 2,4-Dichlorobenzotrifl...	12.087	214	1906m	0.476 ug/L		
108) 2,5-Dichlorobenzotrifl...	12.124	214	2174	0.484 ug/L		91
109) n-Butylbenzene	12.325	91	5410	0.527 ug/L		79
110) 1,2-Dclbenz	12.343	146	3725	0.476 ug/L		80
111) 1,2-Dibromo-3-chloropr...	12.977	157	563	0.444 ug/L	#	78
112) Trielution Dichlorotol...	13.075	125	8274	1.336 ug/L		86
113) 1,3,5-Trichlorobenzene	13.130	180	3204	0.534 ug/L	#	76
114) Coelution Dichlorotoluene	13.404	125	6189	0.897 ug/L		93
115) 1,2,4-Tcbenzene	13.611	180	2986	0.510 ug/L		93
116) Hexachlorobt	13.739	225	1262	0.480 ug/L		80
117) Naphthalen	13.812	128	6957	0.428 ug/L		95
118) 1,2,3-Tclbenzene	14.001	180	2388	0.411 ug/L	#	74
119) 2,4,5-Trichlorotoluene	14.581	159	1516m	0.399 ug/L		
120) 2,3,6-Trichlorotoluene	14.666	159	1223	0.351 ug/L	#	77

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5977.D
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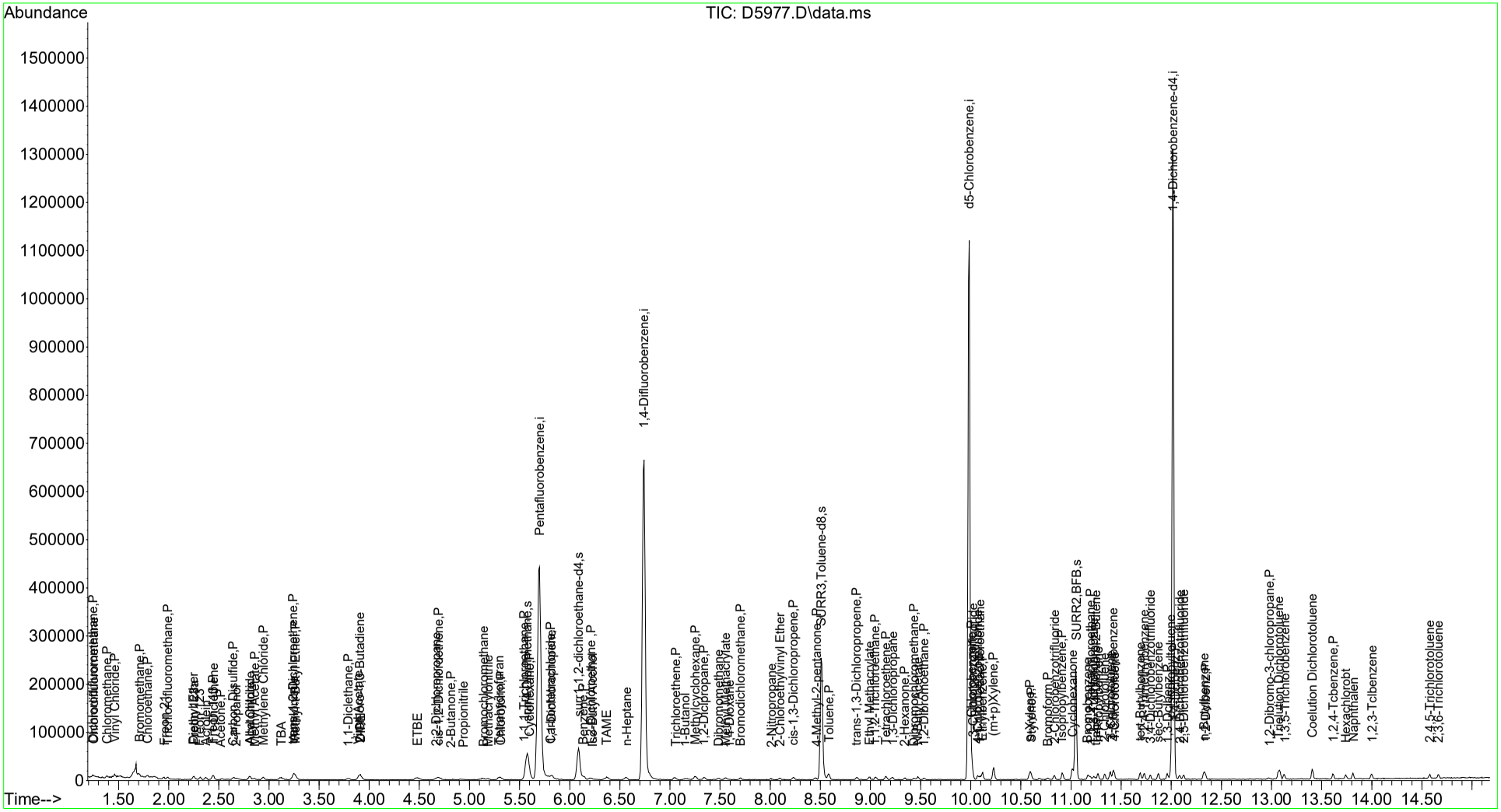
QLast Update : Thu May 16 14:56:42 2024
Response via : Initial Calibration

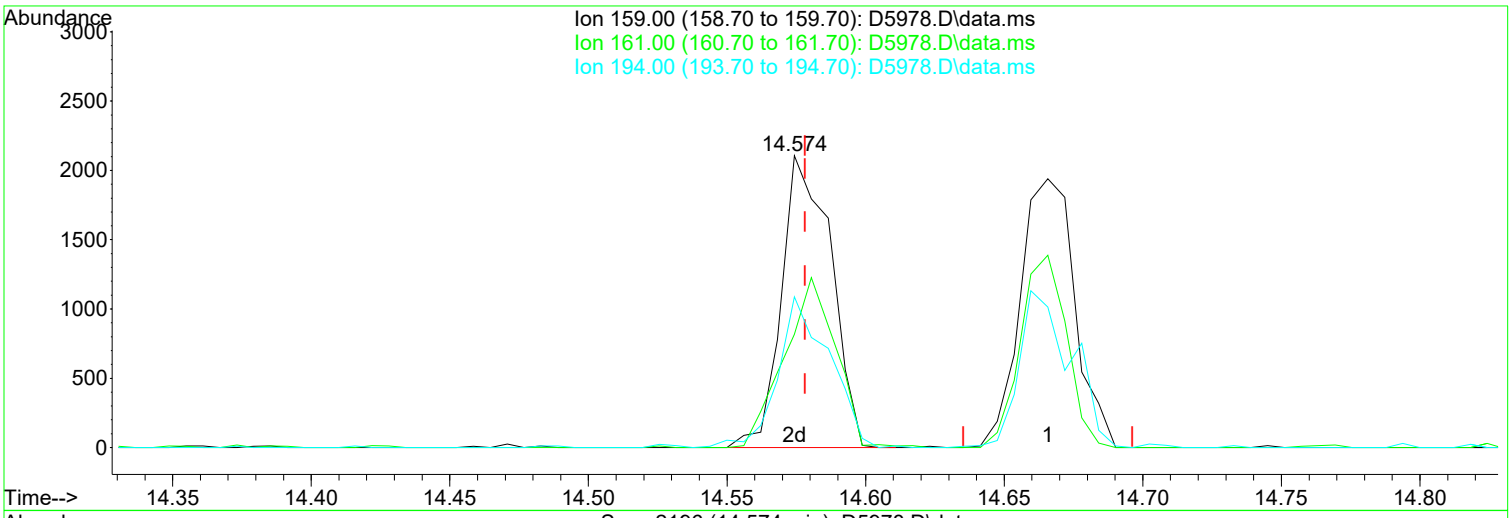


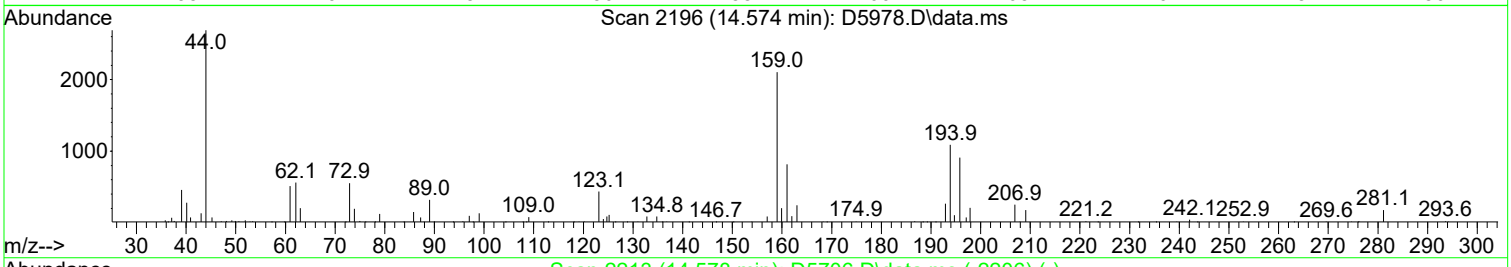
1st 05/29/24
2nd 05/29/24

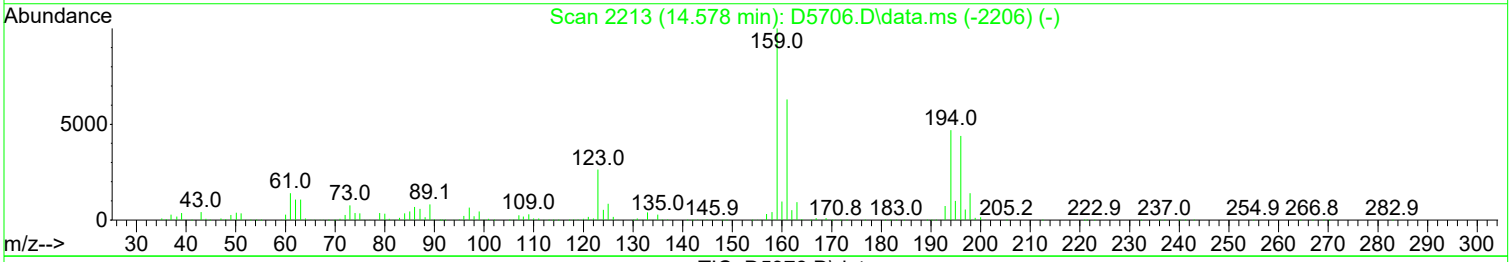
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5978.D
Acq On : 28 May 2024 03:31 pm
Operator : F.NAEGLER
Sample : 1 PPB STD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 29 08:52:07 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu May 16 14:56:42 2024
Response via : Initial Calibration







TIC: D5978.D\data.ms

(119) 2,4,5-Trichlorotoluene

14.574min (-0.004) 0.69 ug/L m

response 2600

Ion	Exp%	Act%
159.00	100.00	100.00
161.00	63.00	38.84#
194.00	46.90	51.61
0.00	0.00	0.00

Manual Integration:

After

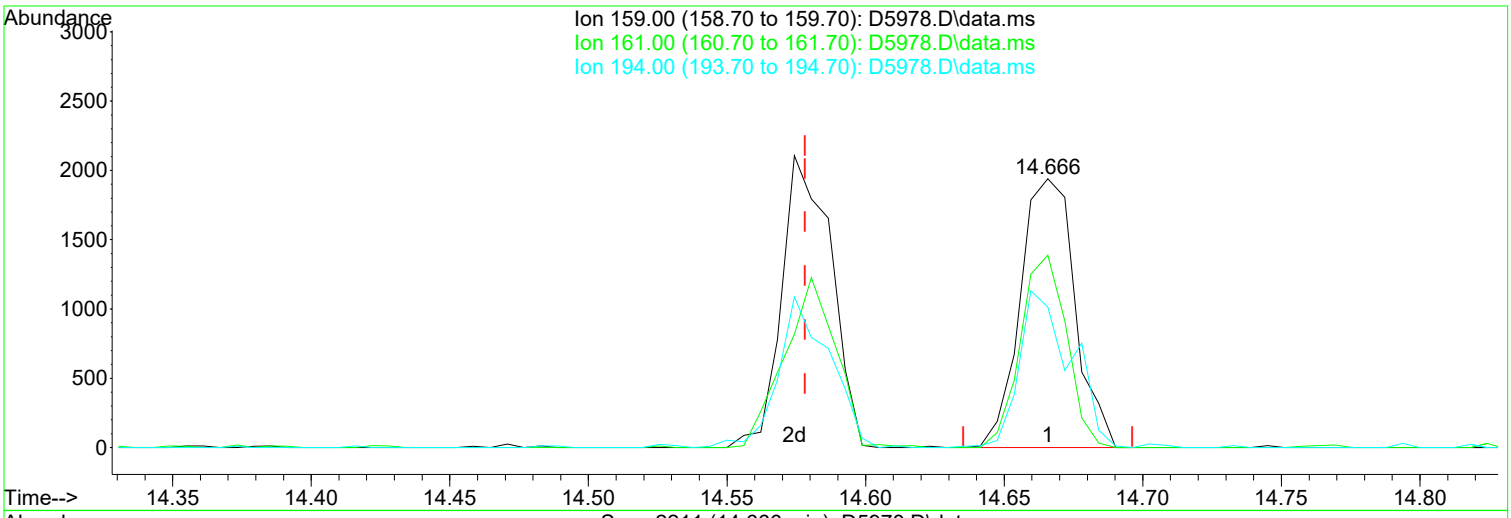
Poor integration.

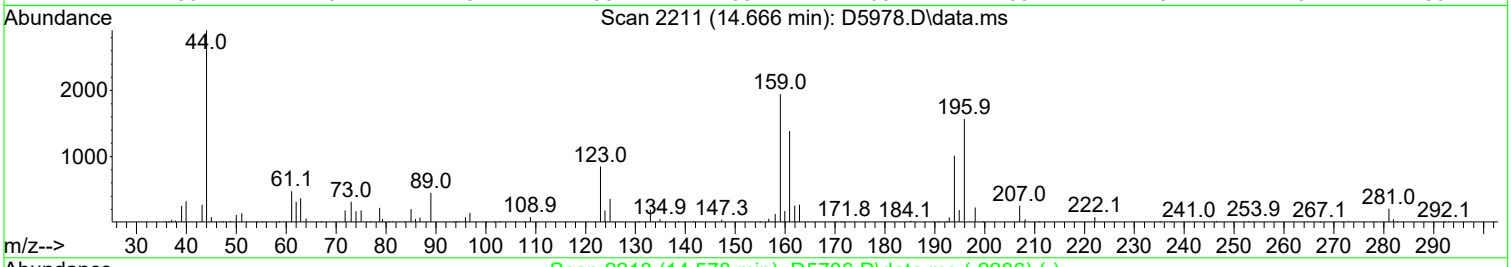
05/29/24

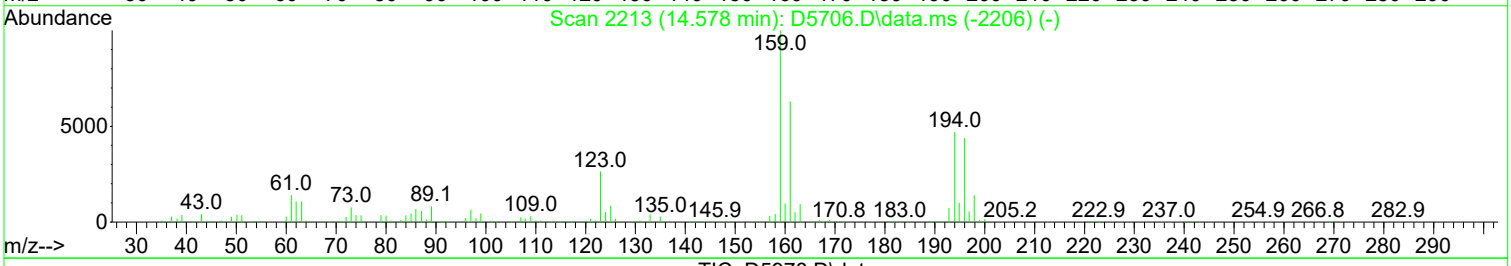
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5978.D
Acq On : 28 May 2024 03:31 pm
Operator : F.NAEGLER
Sample : 1 PPB STD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 29 08:52:07 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu May 16 14:56:42 2024
Response via : Initial Calibration







TIC: D5978.D\data.ms

(119) 2,4,5-Trichlorotoluene

14.666min (+ 0.088) 0.71 ug/L

response 2660

Ion	Exp%	Act%
159.00	100.00	100.00
161.00	63.00	71.46
194.00	46.90	52.19
0.00	0.00	0.00

Manual Integration:

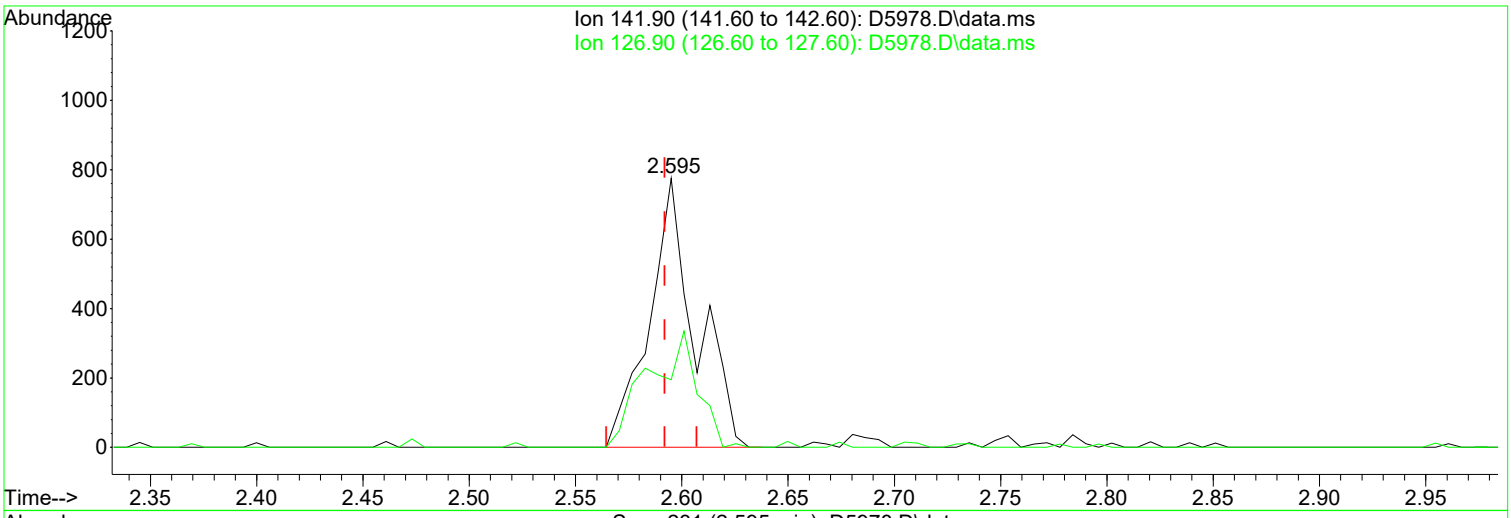
Before

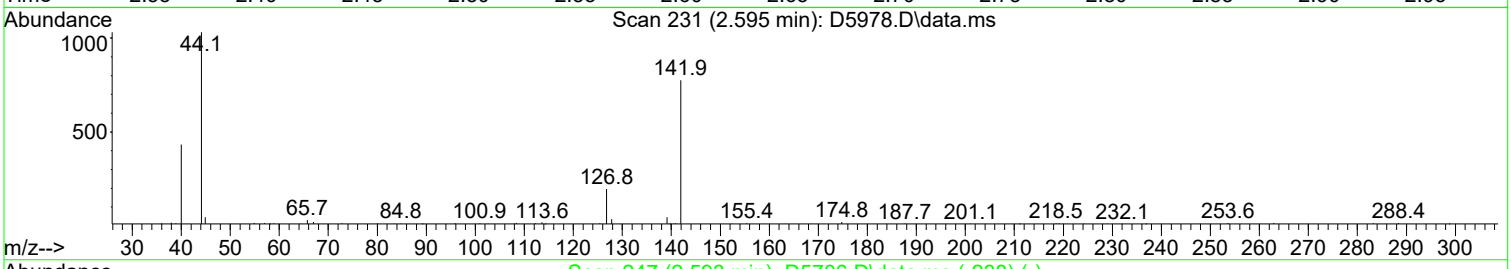
05/29/24

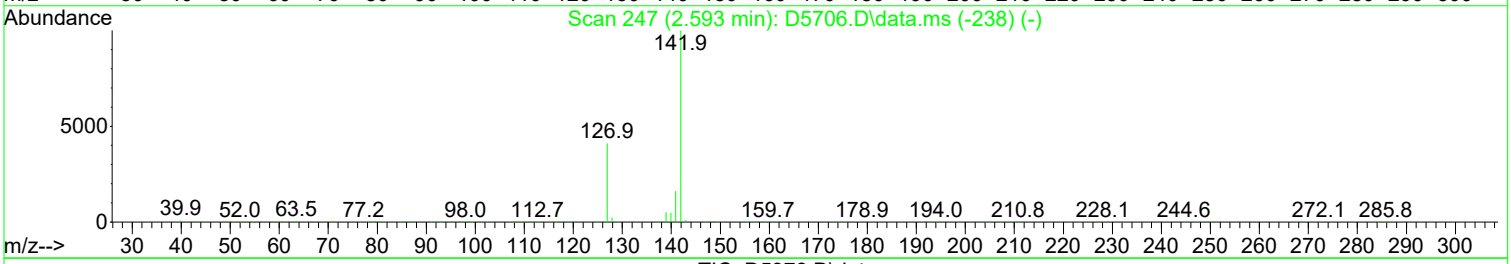
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5978.D
Acq On : 28 May 2024 03:31 pm
Operator : F.NAEGLER
Sample : 1 PPB STD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 29 08:52:07 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu May 16 14:56:42 2024
Response via : Initial Calibration







TIC: D5978.D\data.ms

(18) Iodomethane

2.595min (+ 0.003) 0.39 ug/L m

response 1172

Ion	Exp%	Act%
141.90	100.00	100.00
126.90	41.10	25.16
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

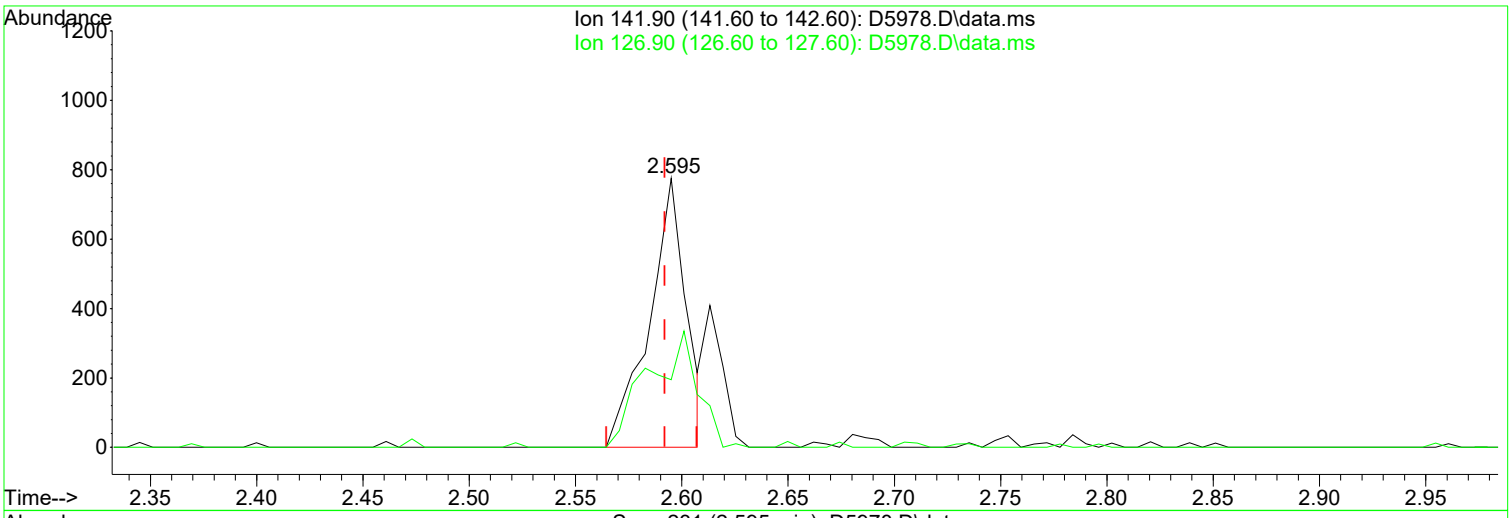
Poor integration.

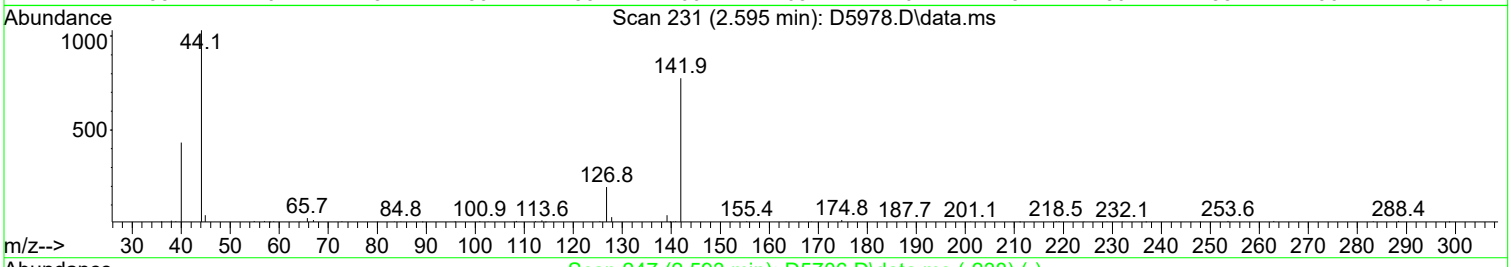
05/29/24

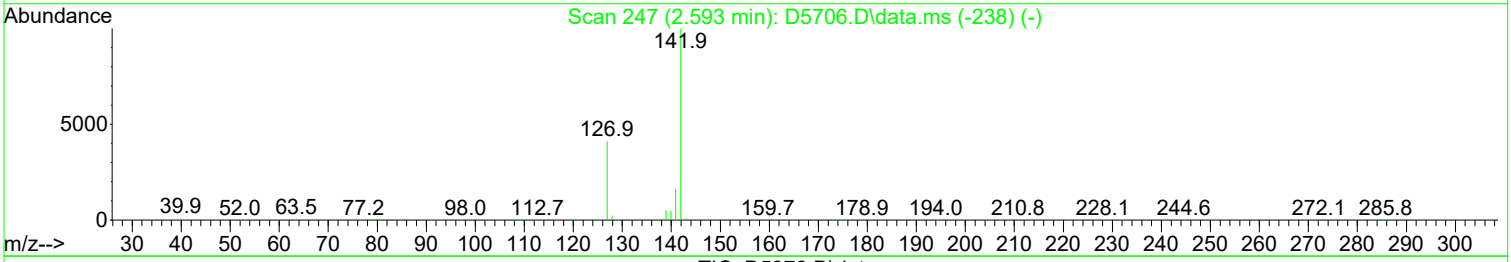
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5978.D
Acq On : 28 May 2024 03:31 pm
Operator : F.NAEGLER
Sample : 1 PPB STD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 29 08:52:07 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu May 16 14:56:42 2024
Response via : Initial Calibration







TIC: D5978.D\data.ms

(18) Iodomethane

2.595min (+ 0.003) 0.31 ug/L

response 926

Ion	Exp%	Act%
141.90	100.00	100.00
126.90	41.10	25.16
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

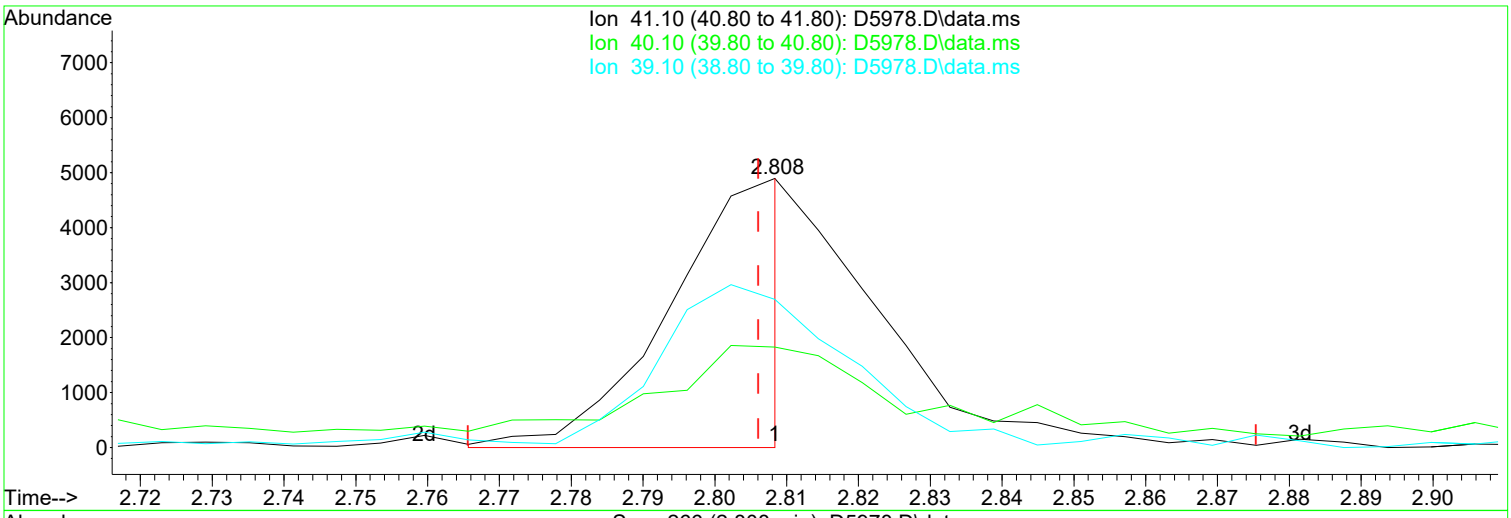
Before

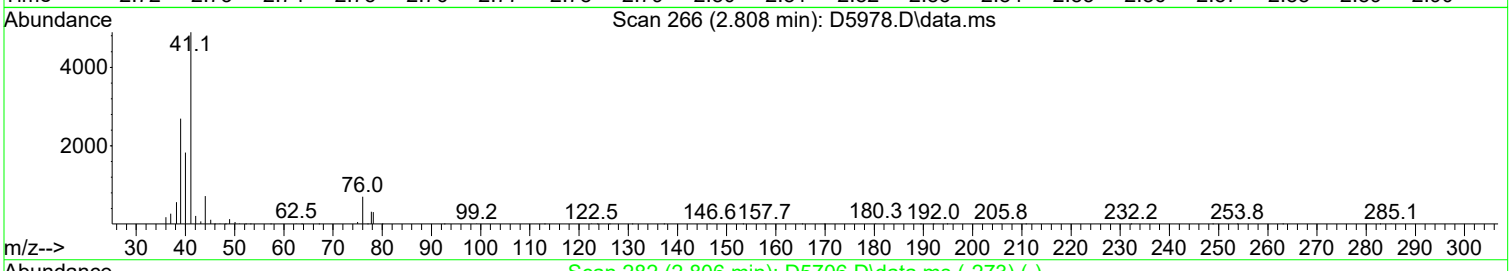
05/29/24

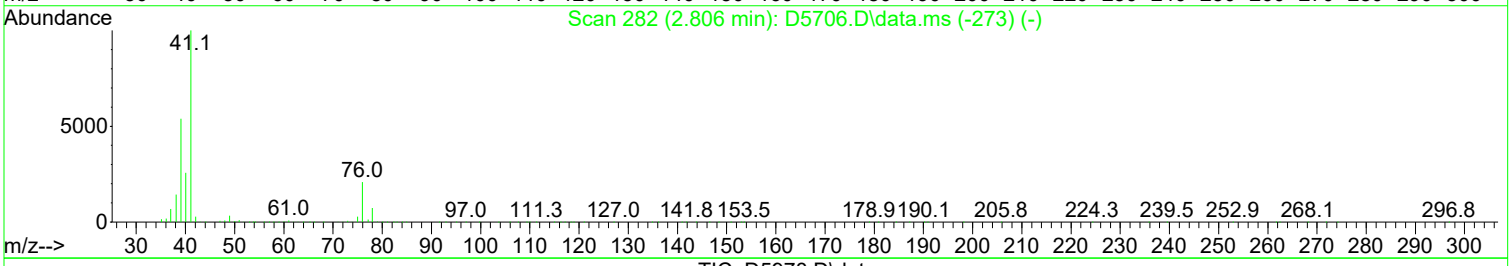
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5978.D
Acq On : 28 May 2024 03:31 pm
Operator : F.NAEGLER
Sample : 1 PPB STD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 29 08:52:07 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu May 16 14:56:42 2024
Response via : Initial Calibration







TIC: D5978.D\data.ms

(20) Acetonitrile

2.808min (+ 0.002) 6.63 ug/L m

response 5696

Ion	Exp%	Act%
41.10	100.00	100.00
40.10	26.00	37.38
39.10	54.00	55.08
0.00	0.00	0.00

Manual Integration:

After

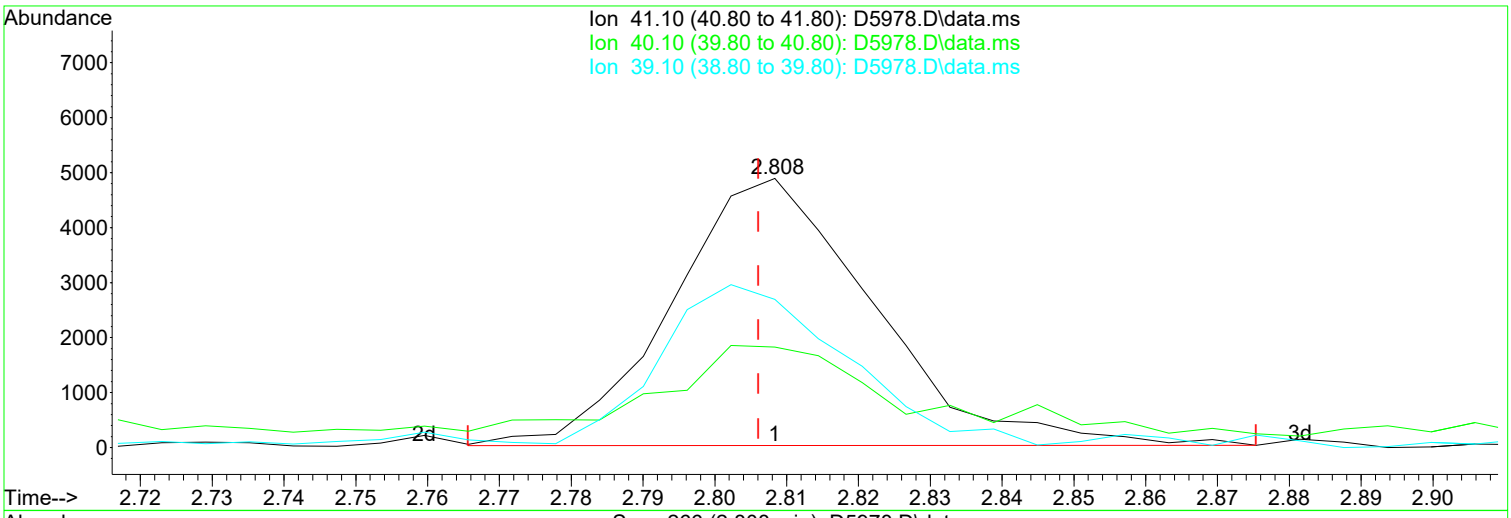
Poor integration.

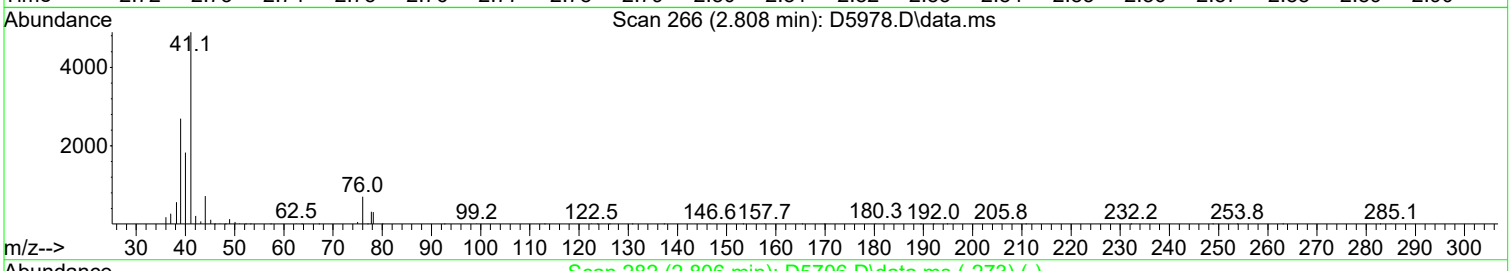
05/29/24

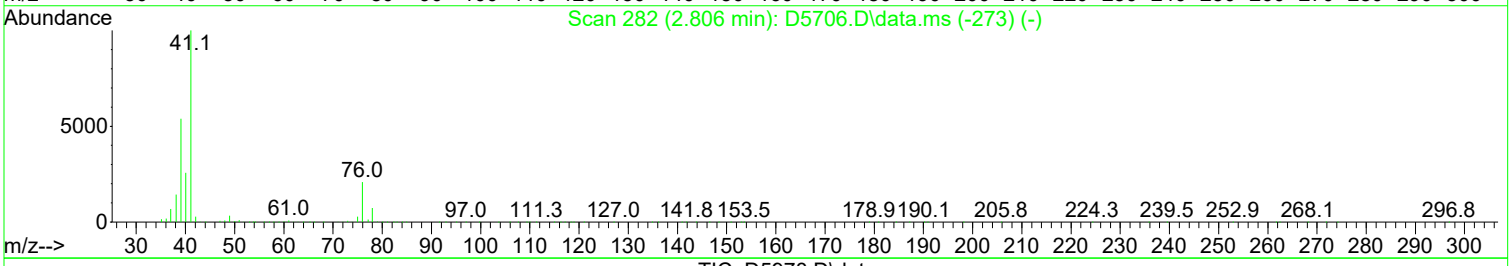
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5978.D
Acq On : 28 May 2024 03:31 pm
Operator : F.NAEGLER
Sample : 1 PPB STD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 29 08:52:07 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu May 16 14:56:42 2024
Response via : Initial Calibration







TIC: D5978.D\data.ms

(20) Acetonitrile

2.808min (+ 0.002) 11.06 ug/L

response 9498

Ion	Exp%	Act%
41.10	100.00	100.00
40.10	26.00	37.38
39.10	54.00	55.08
0.00	0.00	0.00

Manual Integration:

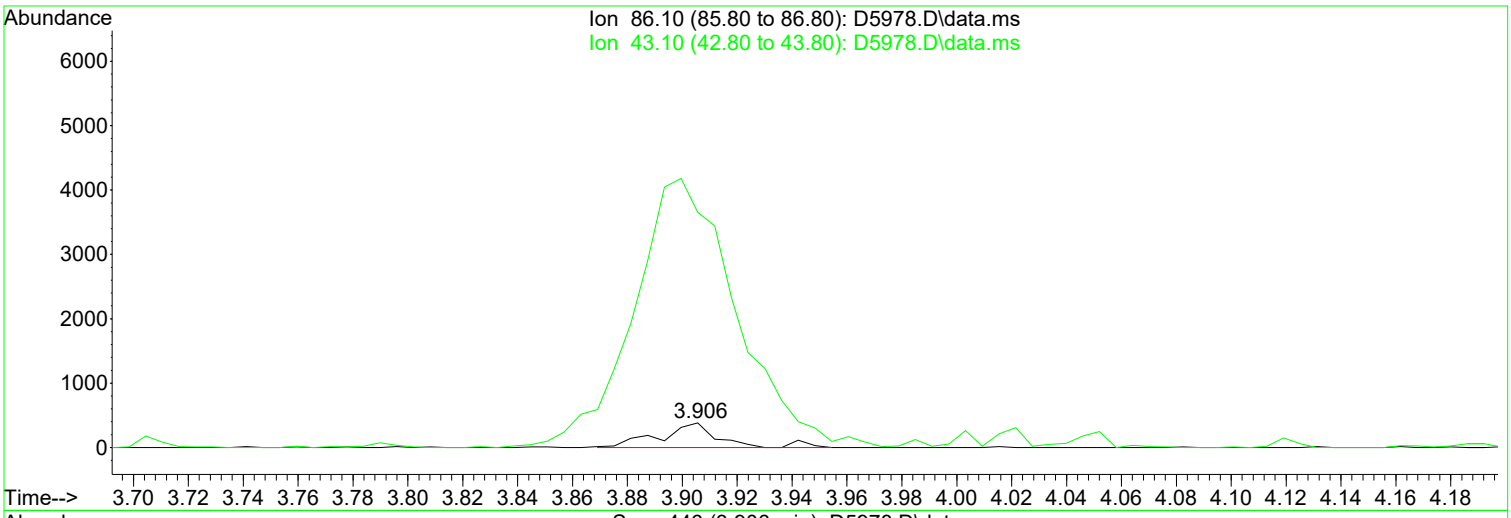
Before

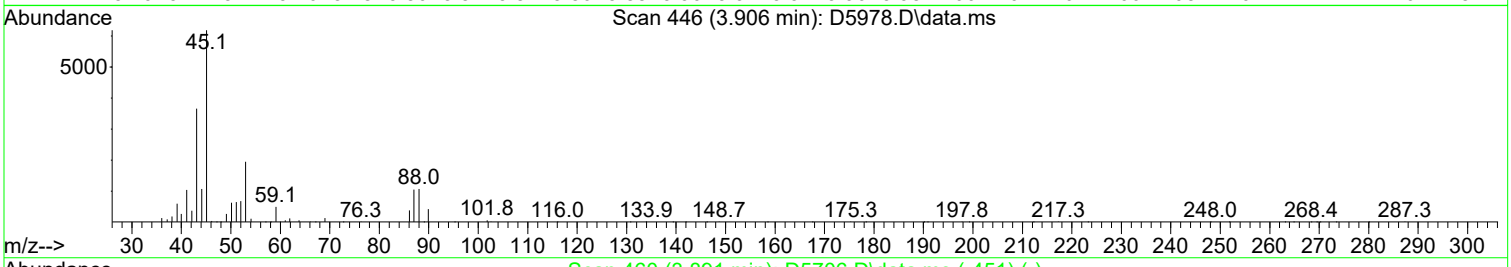
05/29/24

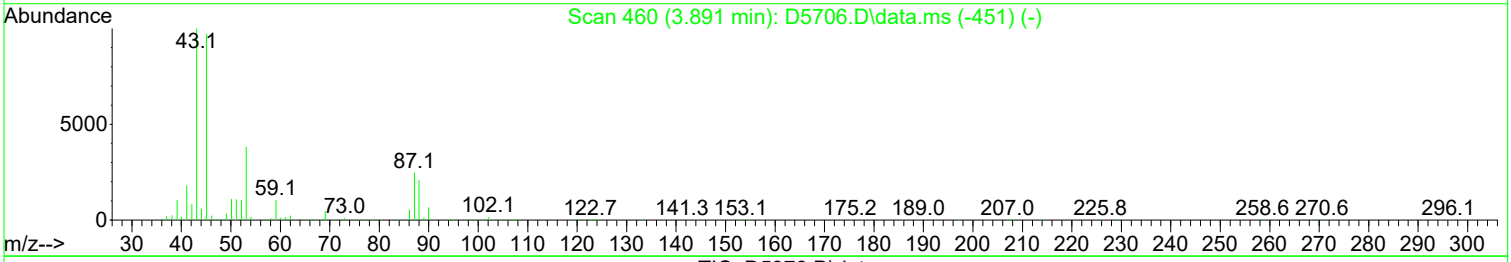
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5978.D
Acq On : 28 May 2024 03:31 pm
Operator : F.NAEGLER
Sample : 1 PPB STD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 29 08:52:07 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu May 16 14:56:42 2024
Response via : Initial Calibration







TIC: D5978.D\data.ms

(29) Vinyl Acetate

3.906min (+ 0.014) 1.51 ug/L m

response 586

Ion	Exp%	Act%
86.10	100.00	100.00
43.10	1840.50	951.82#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

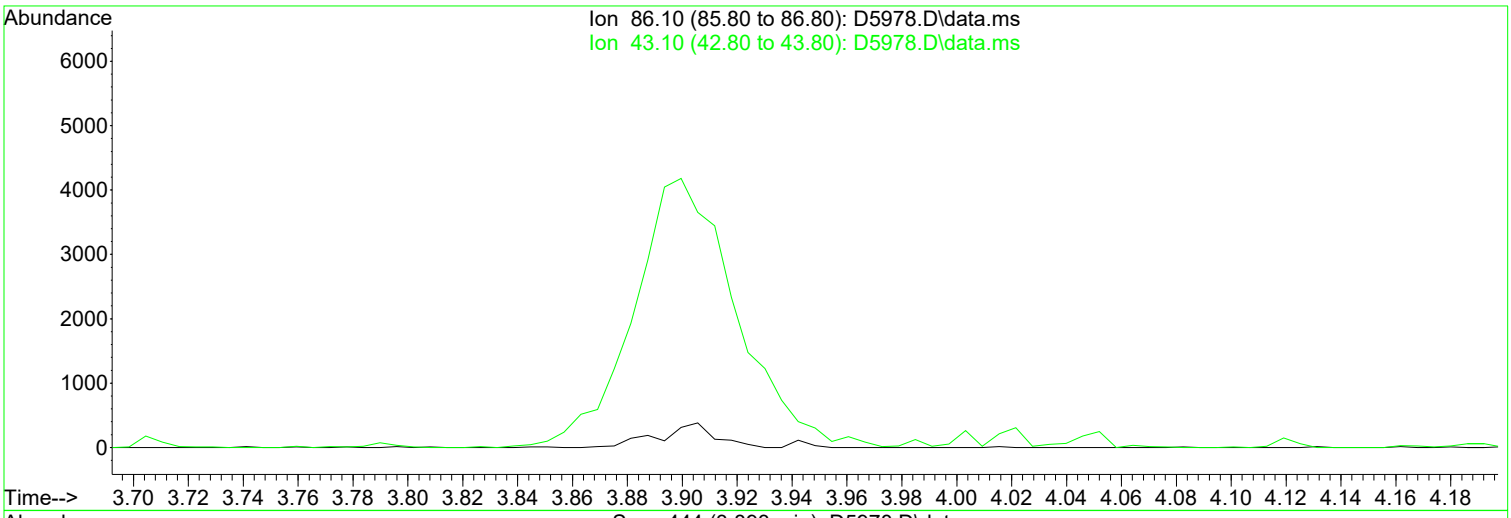
Poor integration.

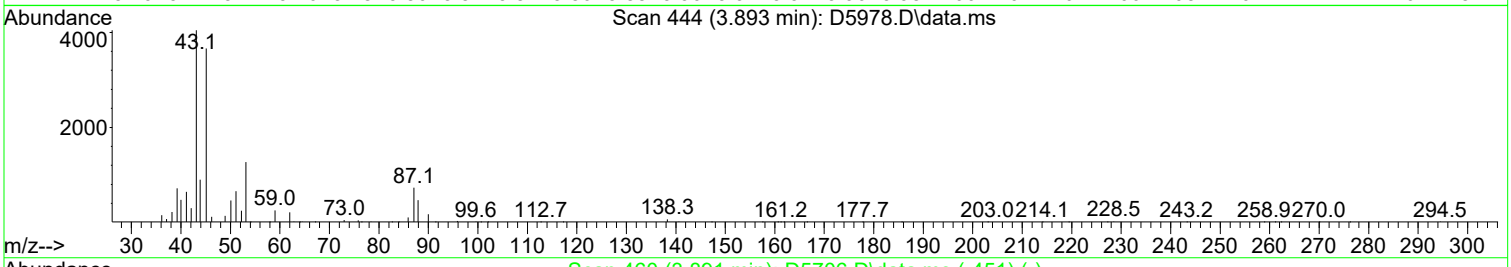
05/29/24

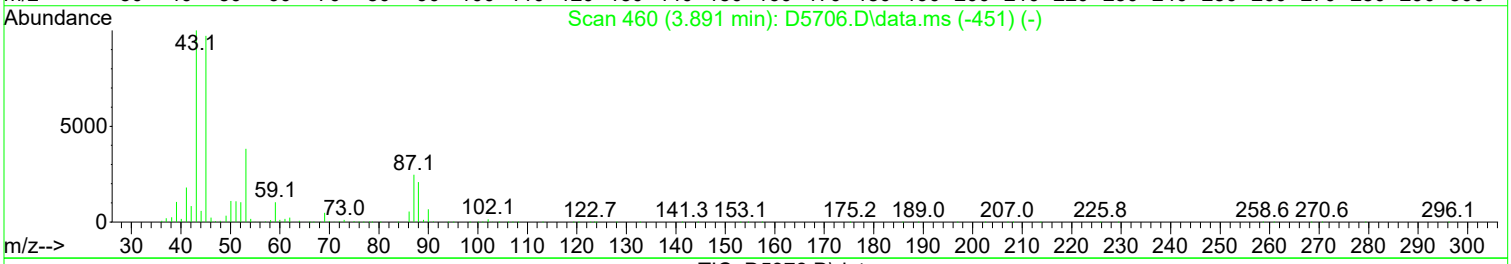
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5978.D
Acq On : 28 May 2024 03:31 pm
Operator : F.NAEGLER
Sample : 1 PPB STD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 29 08:52:07 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu May 16 14:56:42 2024
Response via : Initial Calibration







TIC: D5978.D\data.ms

(29) Vinyl Acetate

3.891min (-3.891) 0.00 ug/L

response 0

Ion	Exp%	Act%
86.10	100.00	0.00
43.10	1840.50	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

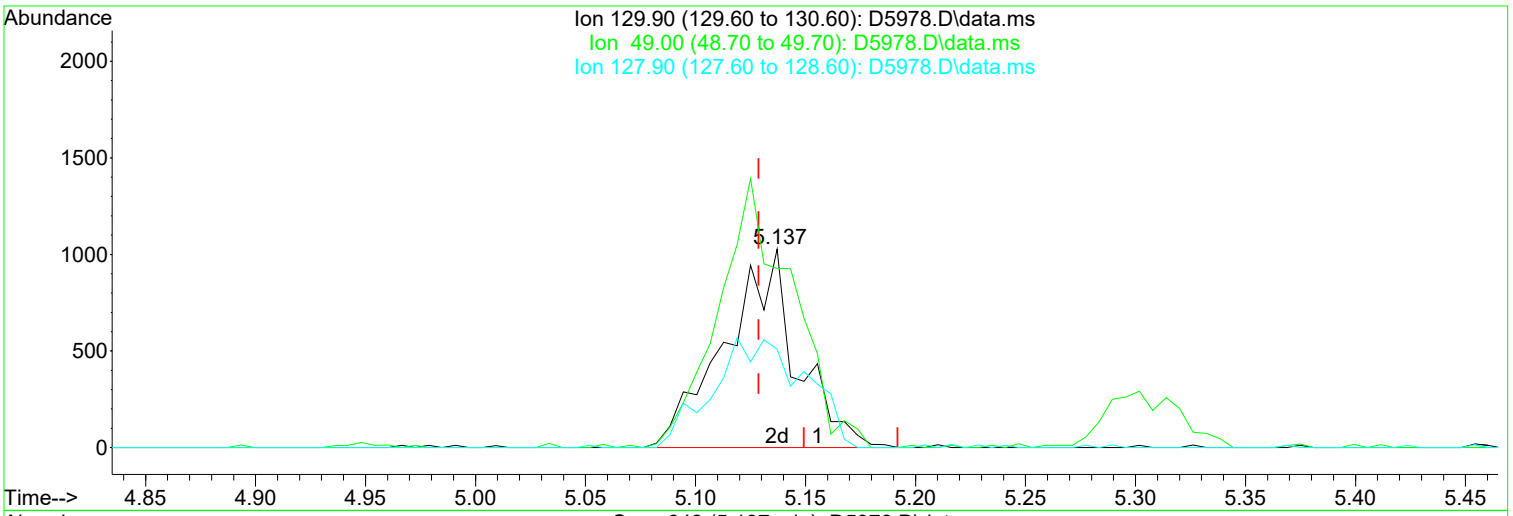
Before

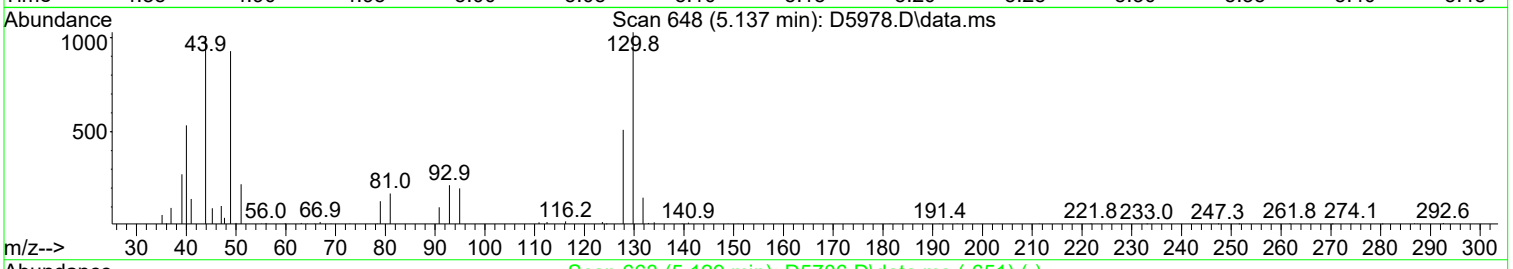
05/29/24

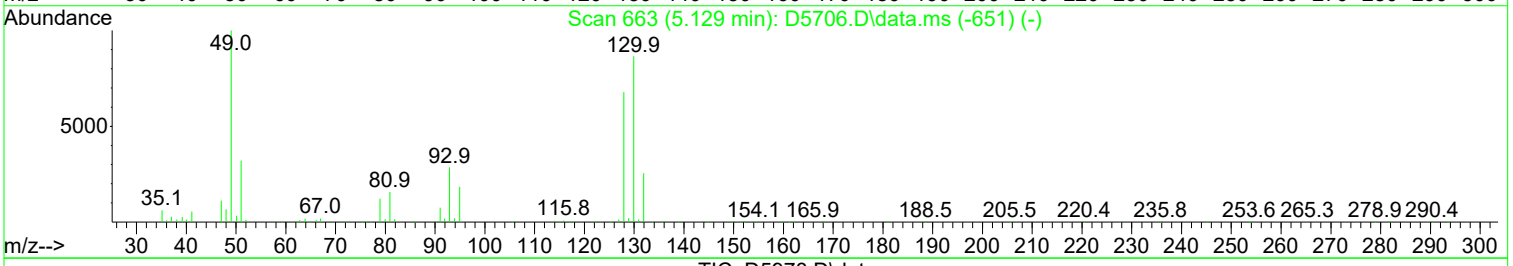
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5978.D
Acq On : 28 May 2024 03:31 pm
Operator : F.NAEGLER
Sample : 1 PPB STD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 29 08:52:07 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu May 16 14:56:42 2024
Response via : Initial Calibration







TIC: D5978.D\data.ms

(37) Bromochloromethane

5.137min (+ 0.008) 1.01 ug/L m

response 2341

Ion	Exp%	Act%
129.90	100.00	100.00
49.00	115.70	90.27#
127.90	78.50	49.51#
0.00	0.00	0.00

Manual Integration:

After

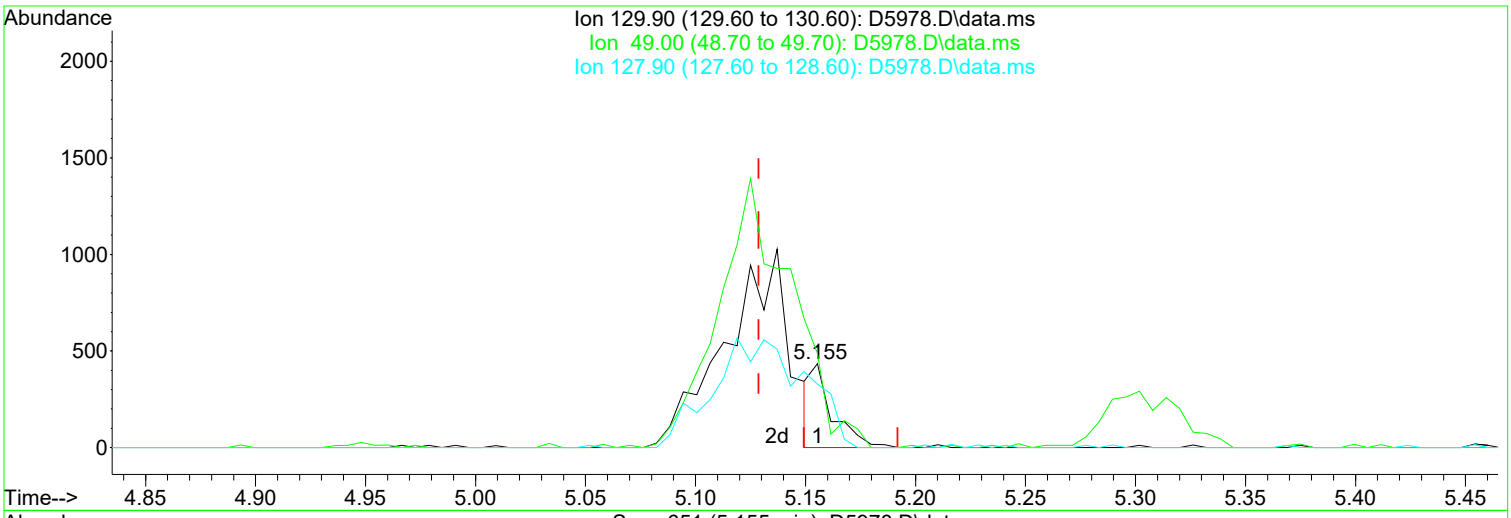
Poor integration.

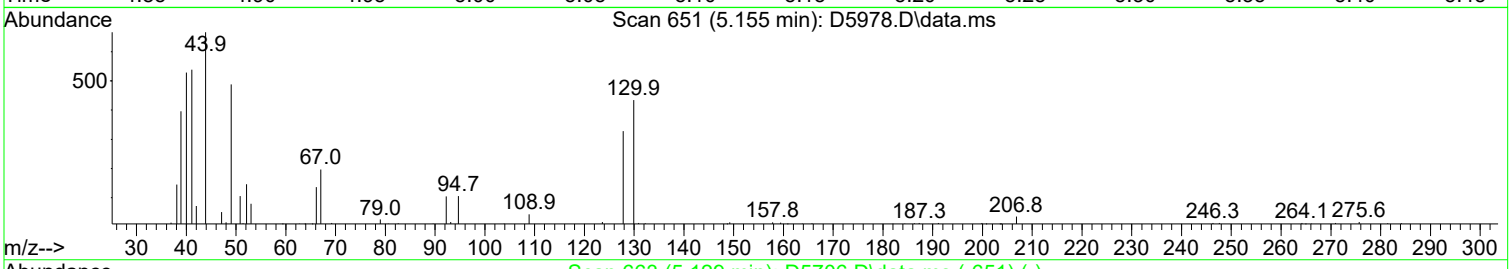
05/29/24

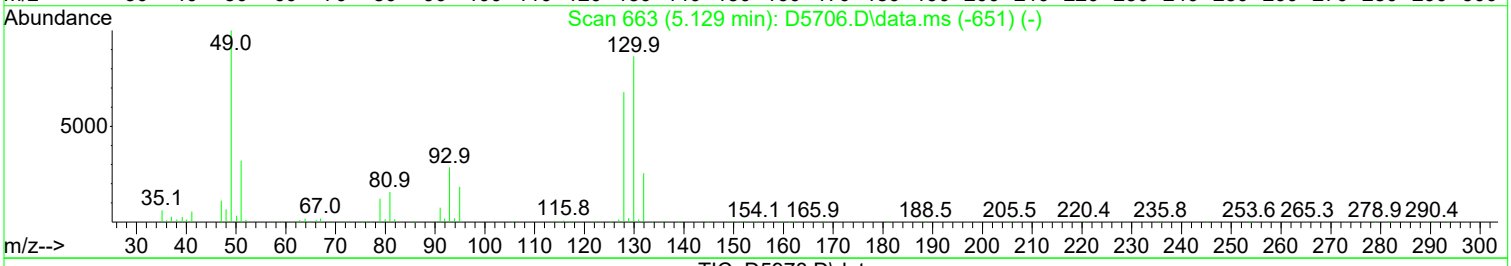
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5978.D
Acq On : 28 May 2024 03:31 pm
Operator : F.NAEGLER
Sample : 1 PPB STD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 29 08:52:07 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu May 16 14:56:42 2024
Response via : Initial Calibration







TIC: D5978.D\data.ms

(37) Bromochloromethane

5.155min (+ 0.027) 0.13 ug/L

response 292

Ion	Exp%	Act%
129.90	100.00	100.00
49.00	115.70	112.44
127.90	78.50	75.58
0.00	0.00	0.00

Manual Integration:

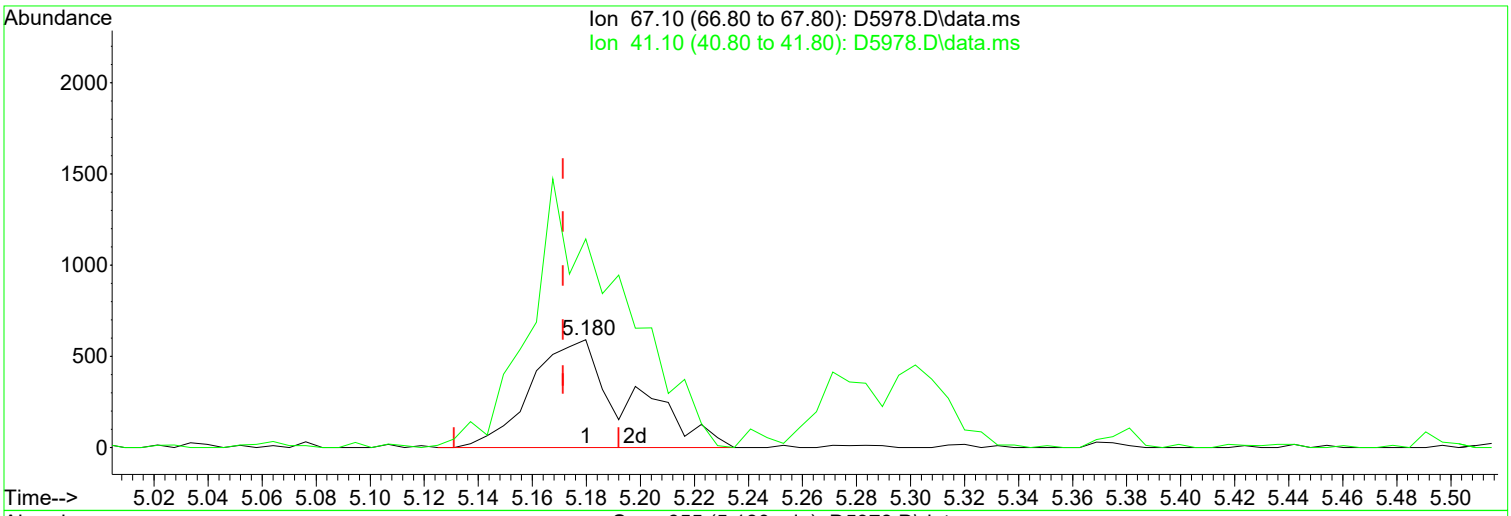
Before

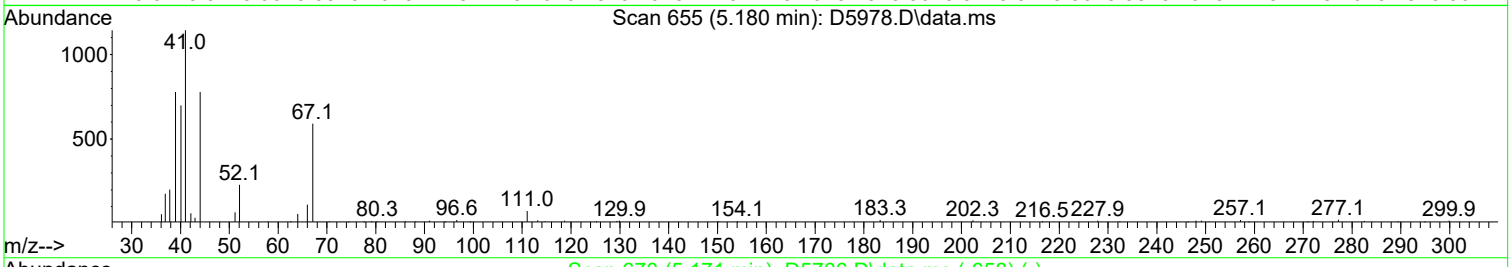
05/29/24

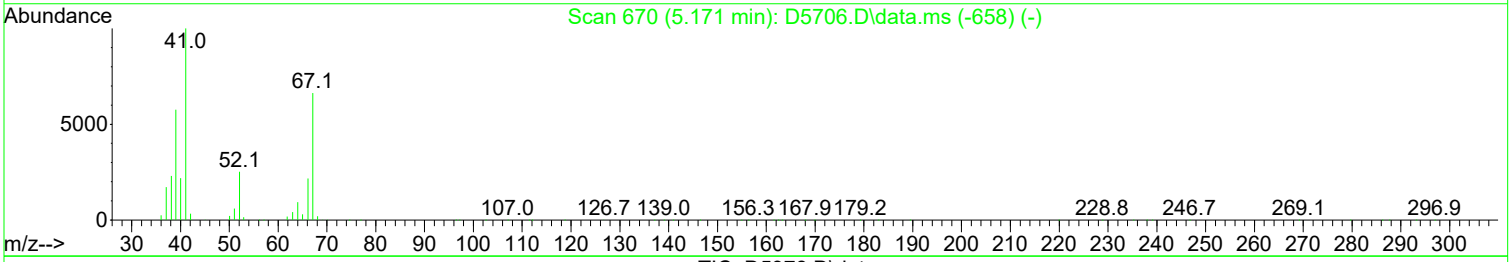
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5978.D
Acq On : 28 May 2024 03:31 pm
Operator : F.NAEGLER
Sample : 1 PPB STD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 29 08:52:07 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu May 16 14:56:42 2024
Response via : Initial Calibration







TIC: D5978.D\data.ms

(38) Methacrylonitrile

5.180min (+ 0.008) 0.89 ug/L m

response 1479

Ion	Exp%	Act%
67.10	100.00	100.00
41.10	151.80	193.57#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

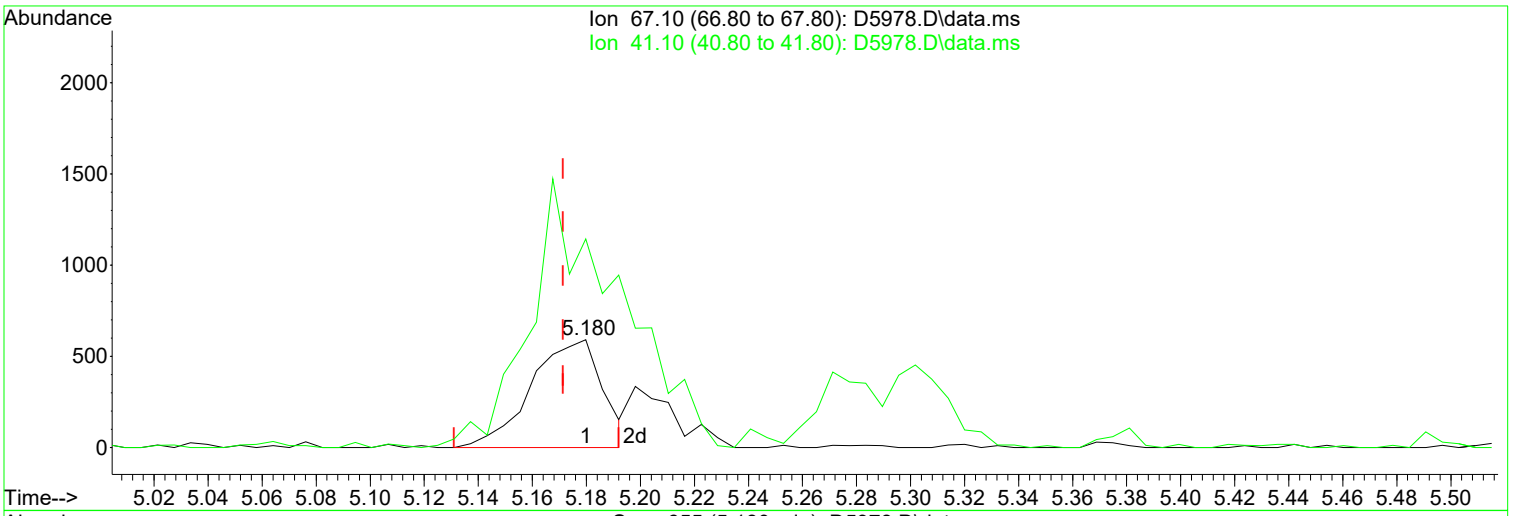
Poor integration.

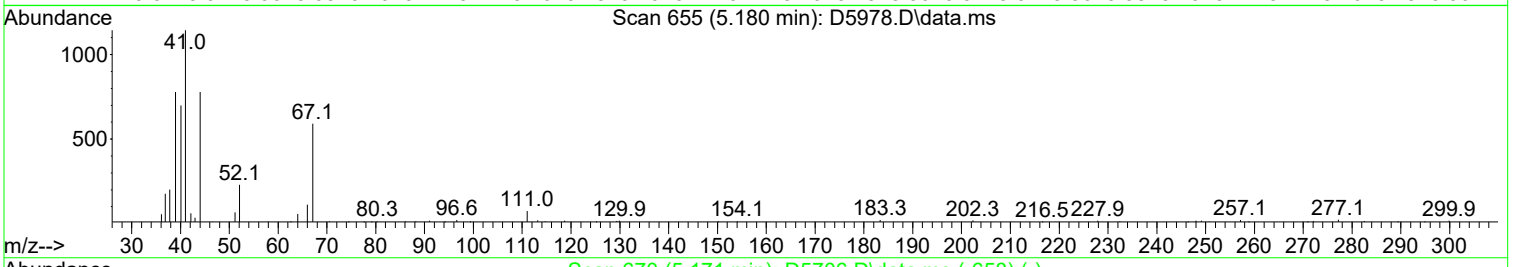
05/29/24

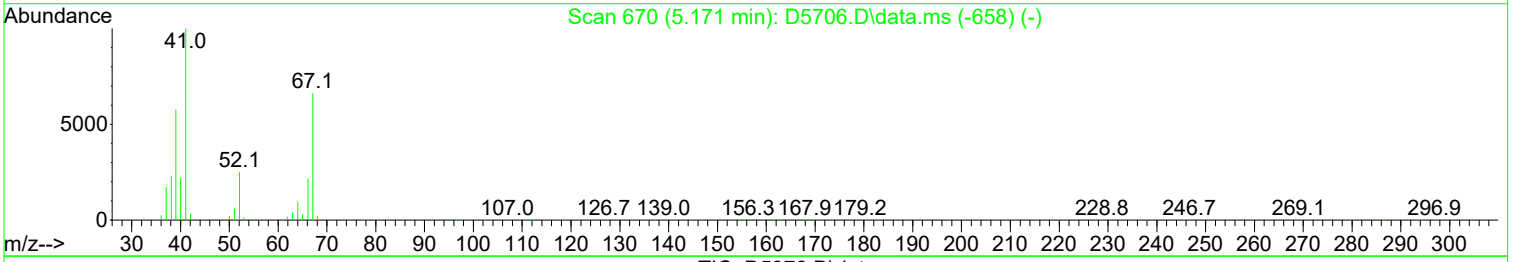
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5978.D
Acq On : 28 May 2024 03:31 pm
Operator : F.NAEGLER
Sample : 1 PPB STD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 29 08:52:07 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu May 16 14:56:42 2024
Response via : Initial Calibration







TIC: D5978.D\data.ms

(38) Methacrylonitrile

5.180min (+ 0.008) 0.65 ug/L

response 1079

Ion	Exp%	Act%
67.10	100.00	100.00
41.10	151.80	193.57#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

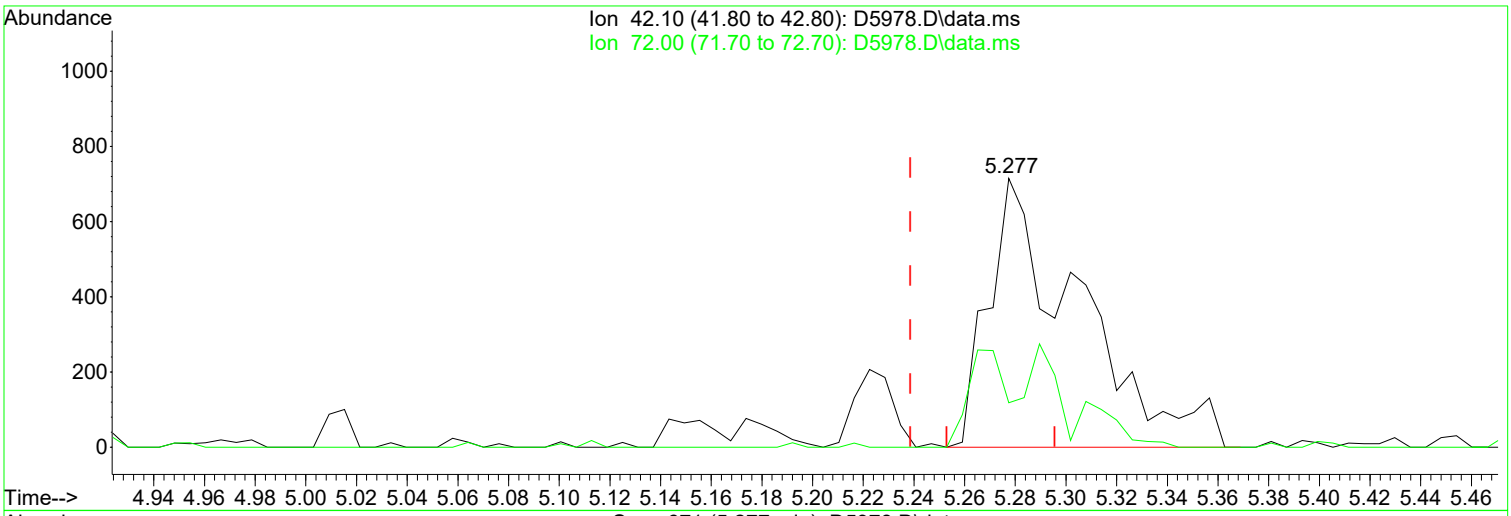
05/29/24

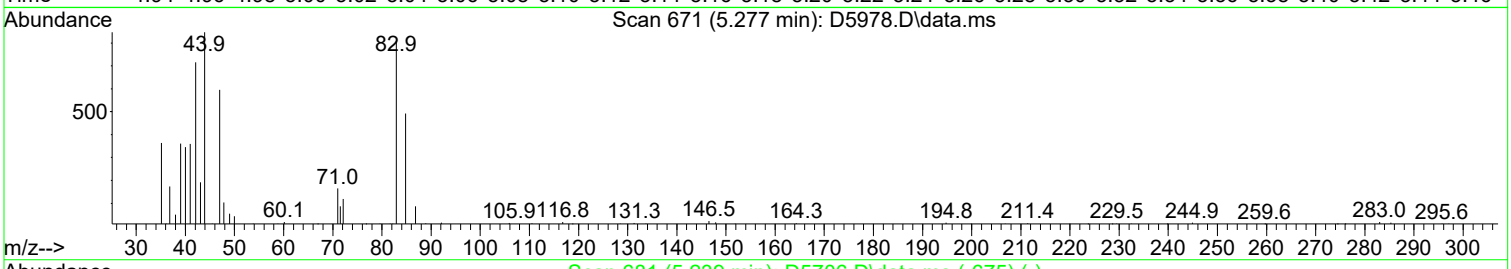
1st FN 05/29/24
2nd 05/29/24

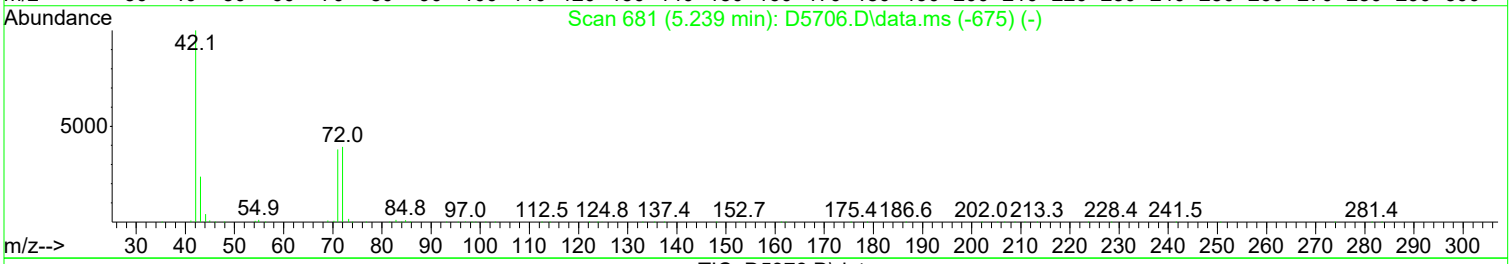
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5978.D
Acq On : 28 May 2024 03:31 pm
Operator : F.NAEGLER
Sample : 1 PPB STD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 29 08:52:07 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu May 16 14:56:42 2024
Response via : Initial Calibration







TIC: D5978.D\data.ms

(39) Tetrahydrofuran

5.277min (+ 0.039) 1.31 ug/L m

response 1778

Ion	Exp%	Act%
42.10	100.00	100.00
72.00	37.90	16.64#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

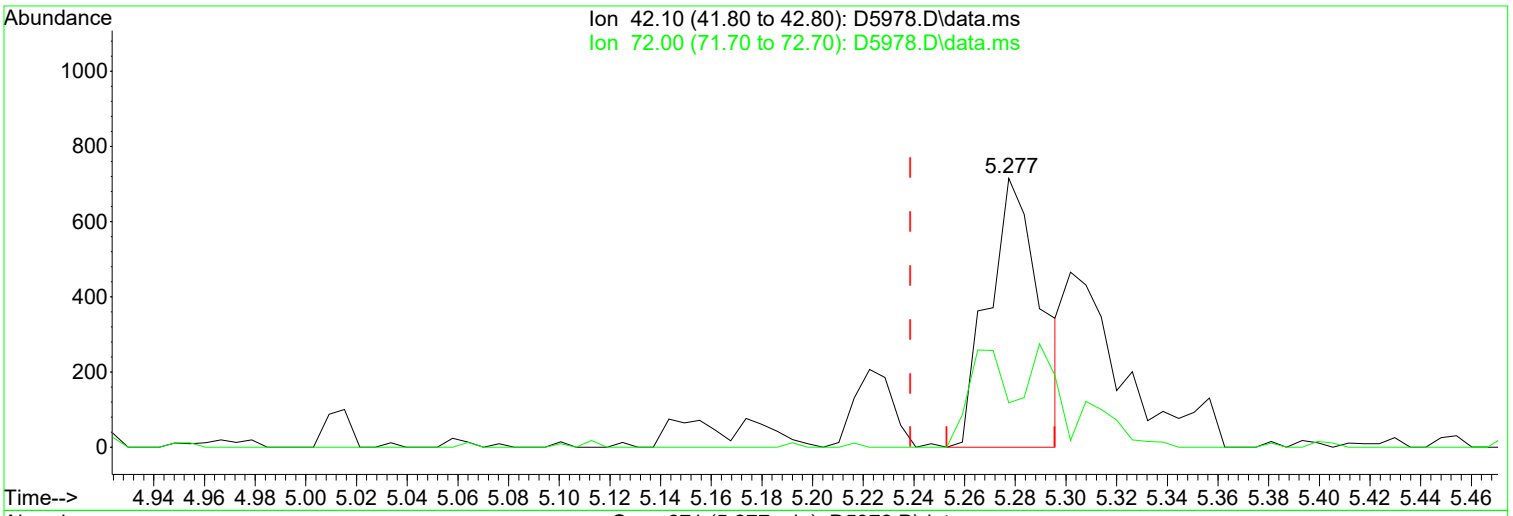
Poor integration.

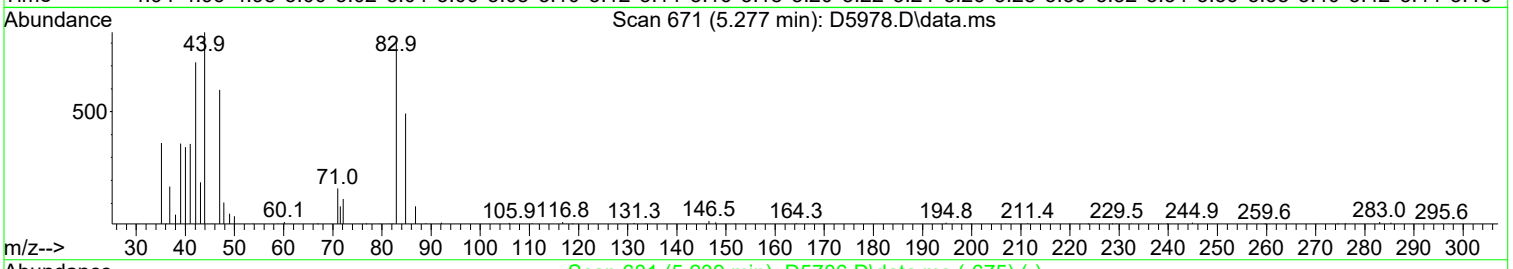
05/29/24

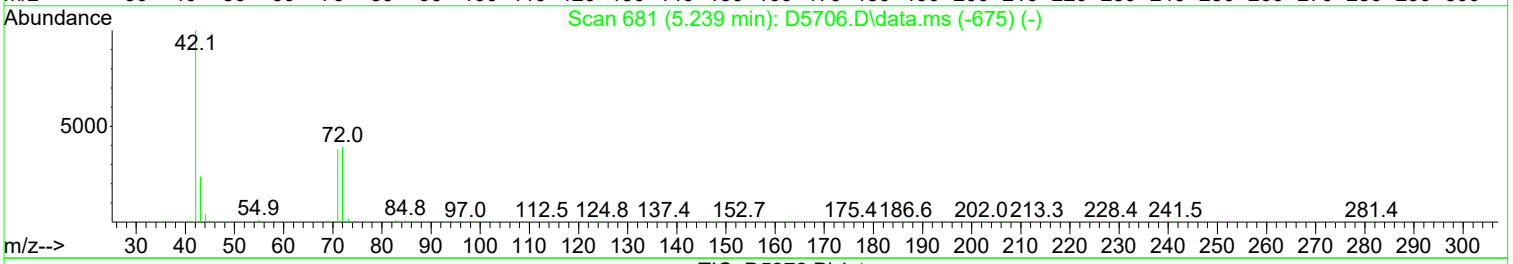
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5978.D
Acq On : 28 May 2024 03:31 pm
Operator : F.NAEGLER
Sample : 1 PPB STD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 29 08:52:07 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu May 16 14:56:42 2024
Response via : Initial Calibration







TIC: D5978.D\data.ms

(39) Tetrahydrofuran

5.277min (+ 0.039) 0.75 ug/L

response 1023

Ion	Exp%	Act%
42.10	100.00	100.00
72.00	37.90	16.64#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

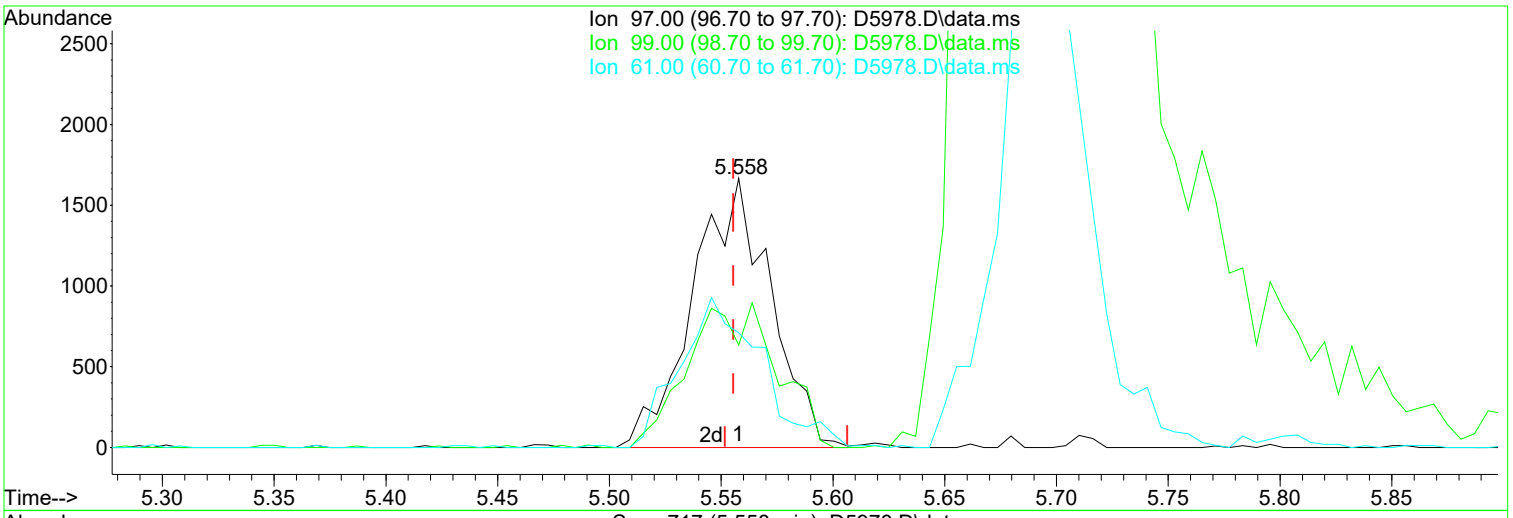
Before

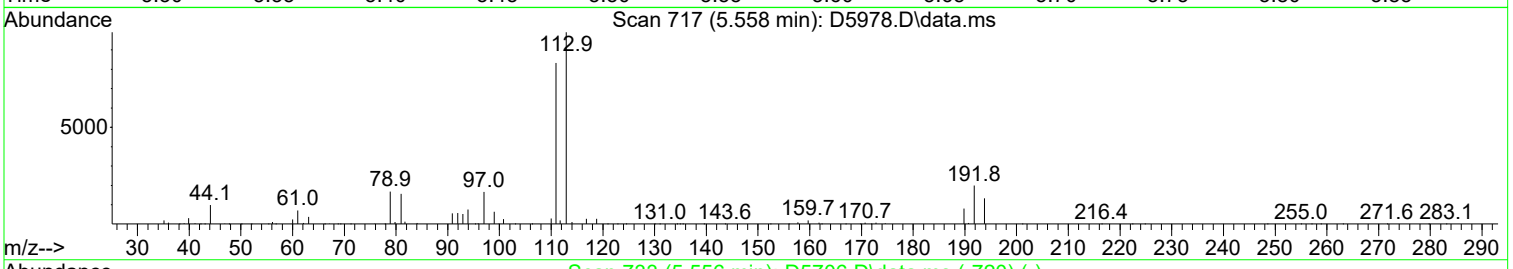
05/29/24

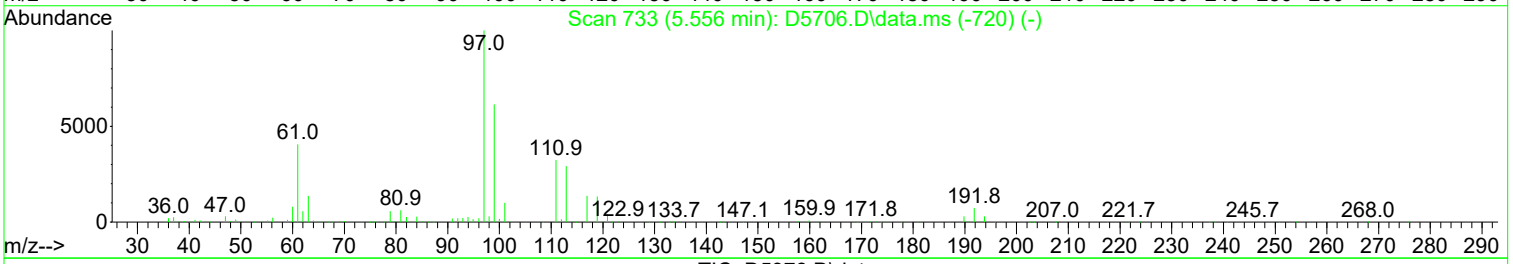
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5978.D
Acq On : 28 May 2024 03:31 pm
Operator : F.NAEGLER
Sample : 1 PPB STD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 29 08:52:07 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu May 16 14:56:42 2024
Response via : Initial Calibration







TIC: D5978.D\data.ms

(41) 1,1,1-Trichloroethane (P)

5.558min (+ 0.002) 0.90 ug/L m

response 4034

Ion	Exp%	Act%
97.00	100.00	100.00
99.00	61.30	38.06#
61.00	40.60	42.68
0.00	0.00	0.00

Manual Integration:

After

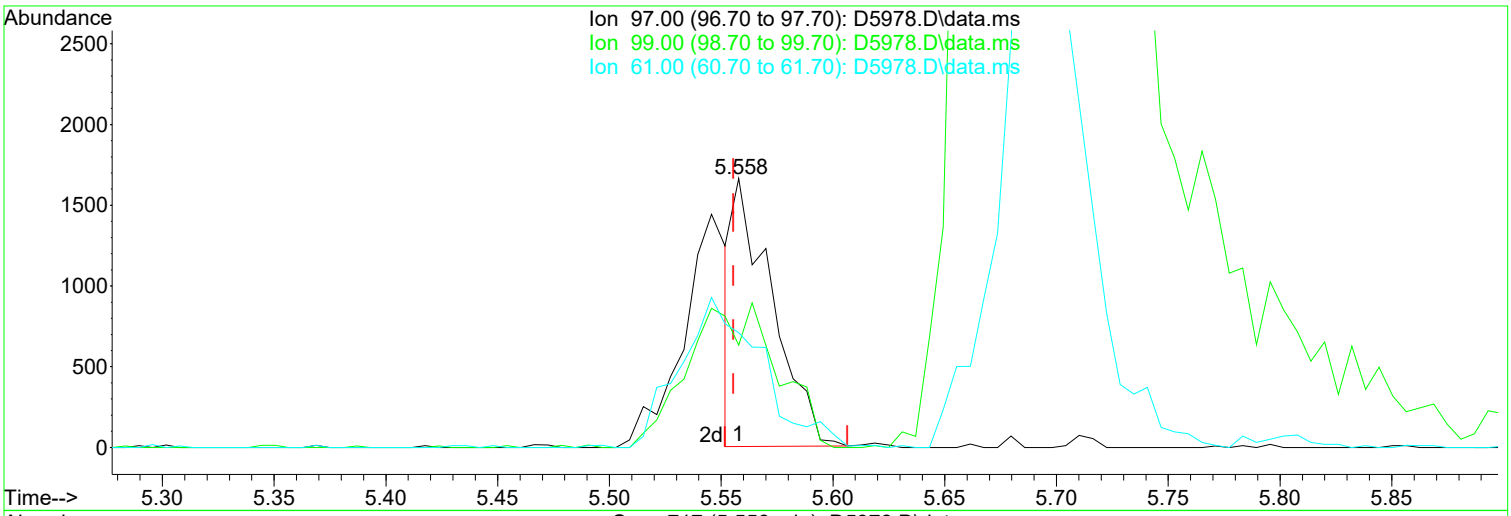
Poor integration.

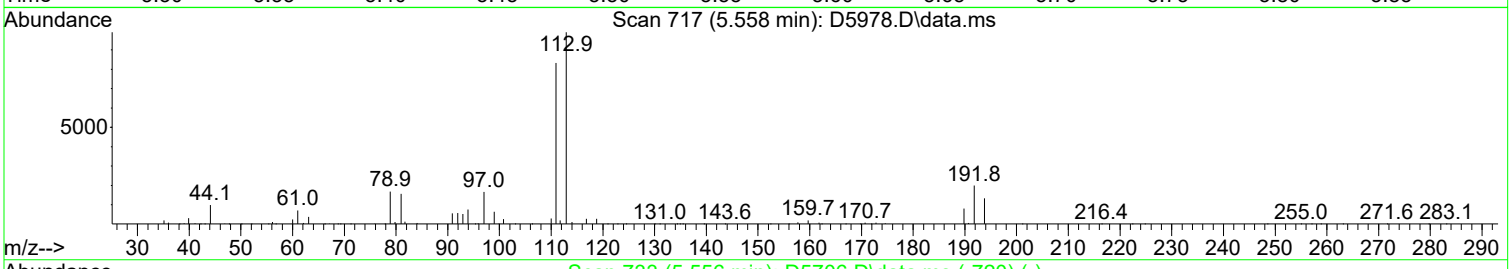
05/29/24

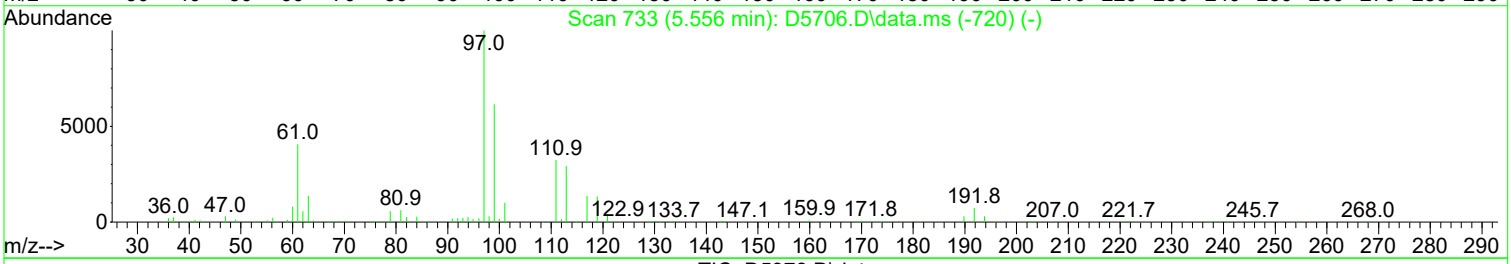
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5978.D
Acq On : 28 May 2024 03:31 pm
Operator : F.NAEGLER
Sample : 1 PPB STD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 29 08:52:07 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu May 16 14:56:42 2024
Response via : Initial Calibration







TIC: D5978.D\data.ms

(41) 1,1,1-Trichloroethane (P)

5.558min (+ 0.002) 0.45 ug/L

response 2020

Ion	Exp%	Act%
97.00	100.00	100.00
99.00	61.30	38.06#
61.00	40.60	42.68
0.00	0.00	0.00

Manual Integration:

Before

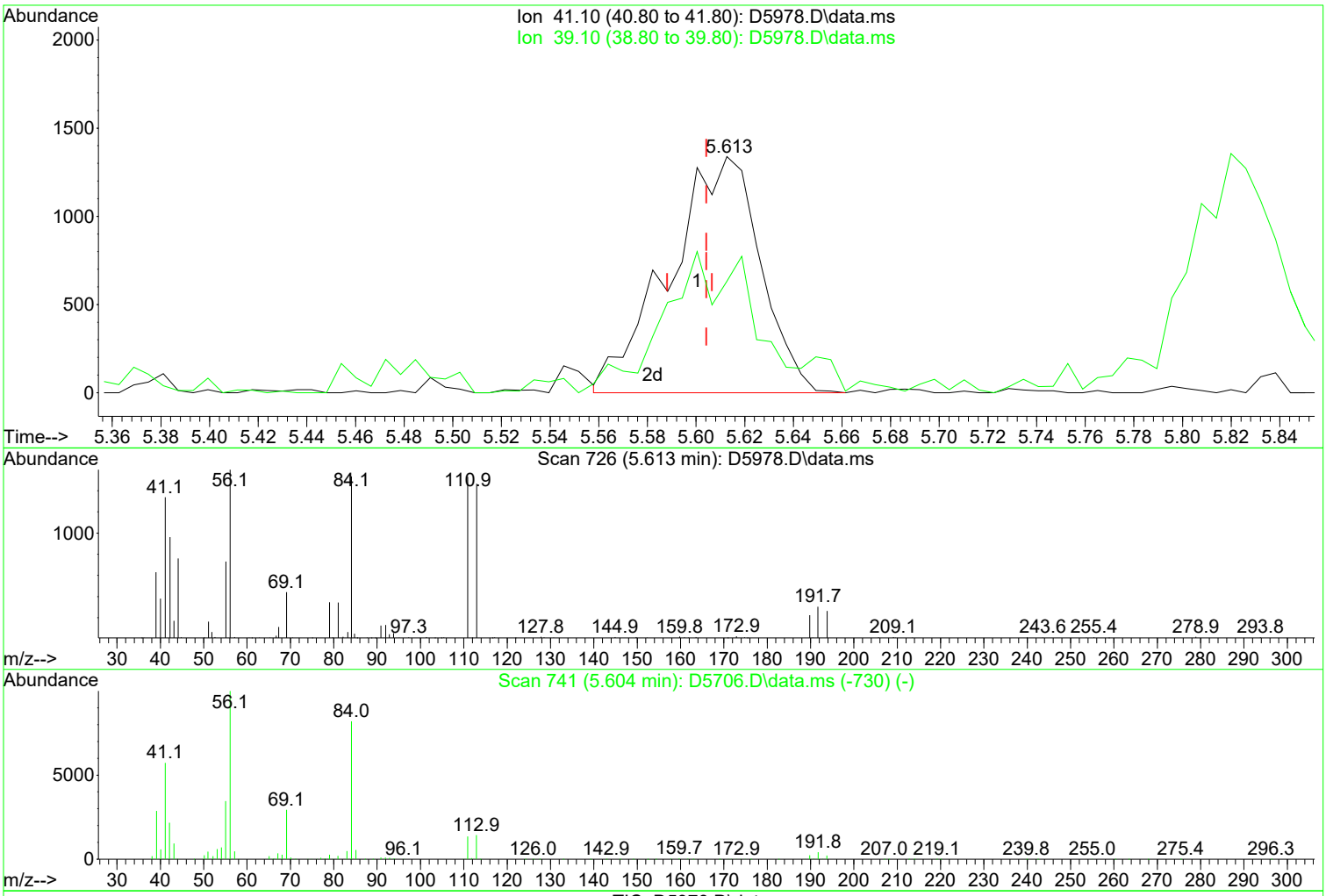
05/29/24

1st FJ 05/29/24
2nd 05/29/24

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5978.D
Acq On : 28 May 2024 03:31 pm
Operator : F.NAEGLER
Sample : 1 PPB STD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 29 08:52:07 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu May 16 14:56:42 2024
Response via : Initial Calibration



TIC: D5978.D\data.ms

(43) Cyclohexane (P)

5.613min (+ 0.008) 1.23 ug/L m

response 3480

Ion	Exp%	Act%
41.10	100.00	100.00
39.10	50.40	47.16
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

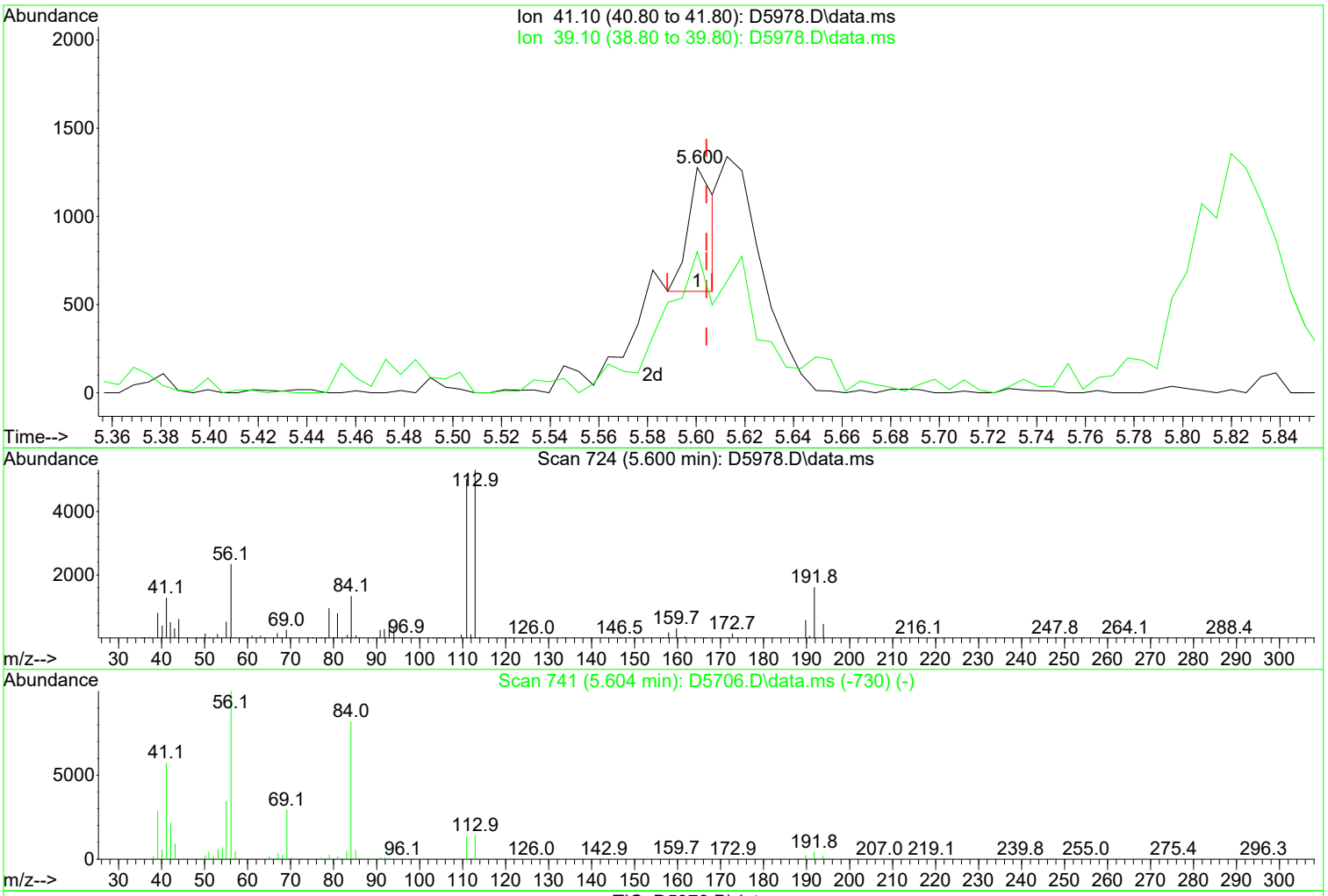
Poor integration.

05/29/24

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5978.D
Acq On : 28 May 2024 03:31 pm
Operator : F.NAEGLER
Sample : 1 PPB STD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 29 08:52:07 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu May 16 14:56:42 2024
Response via : Initial Calibration



TIC: D5978.D\data.ms

(43) Cyclohexane (P)

5.600min (-0.004) 0.18 ug/L

response 518

Ion	Exp%	Act%
41.10	100.00	100.00
39.10	50.40	62.70
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

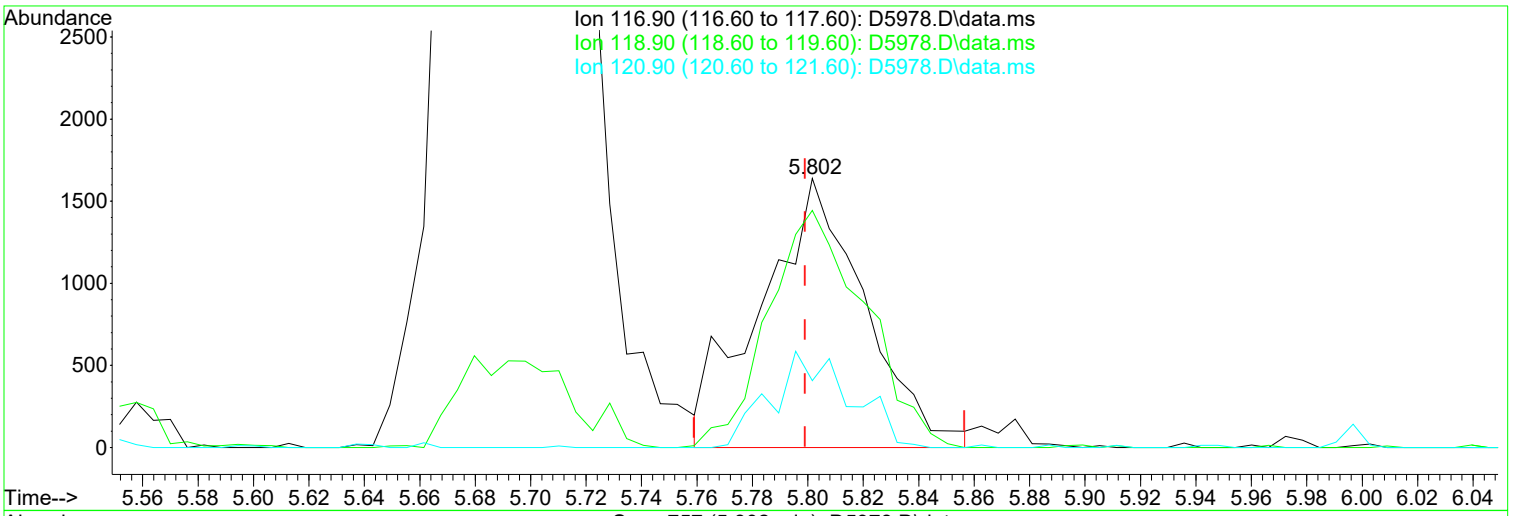
Before

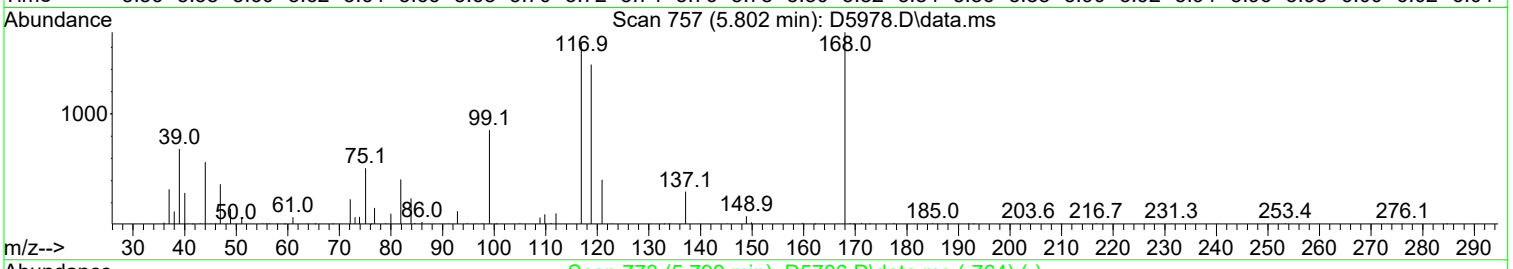
05/29/24

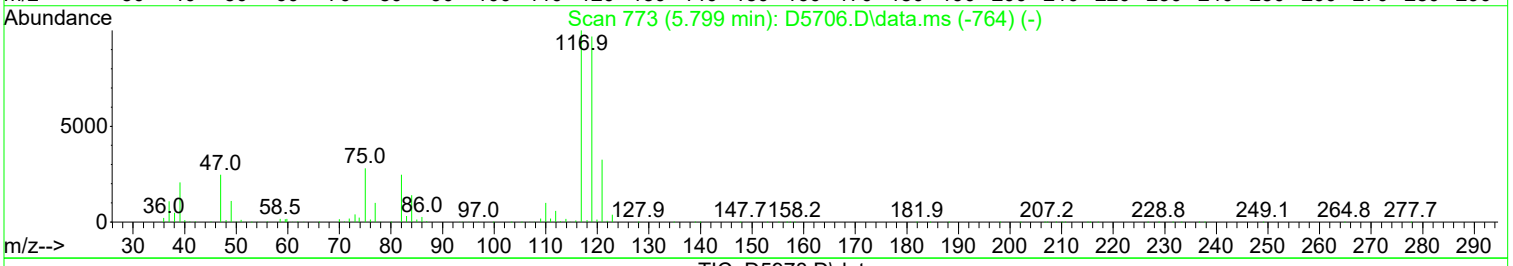
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5978.D
Acq On : 28 May 2024 03:31 pm
Operator : F.NAEGLER
Sample : 1 PPB STD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 29 08:52:07 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu May 16 14:56:42 2024
Response via : Initial Calibration







TIC: D5978.D\data.ms

(45) Carbontetrachloride (P)

5.802min (+ 0.003) 0.93 ug/L m

response 4268

Ion	Exp%	Act%
116.90	100.00	100.00
118.90	96.20	88.10
120.90	32.30	24.85
0.00	0.00	0.00

Manual Integration:

After

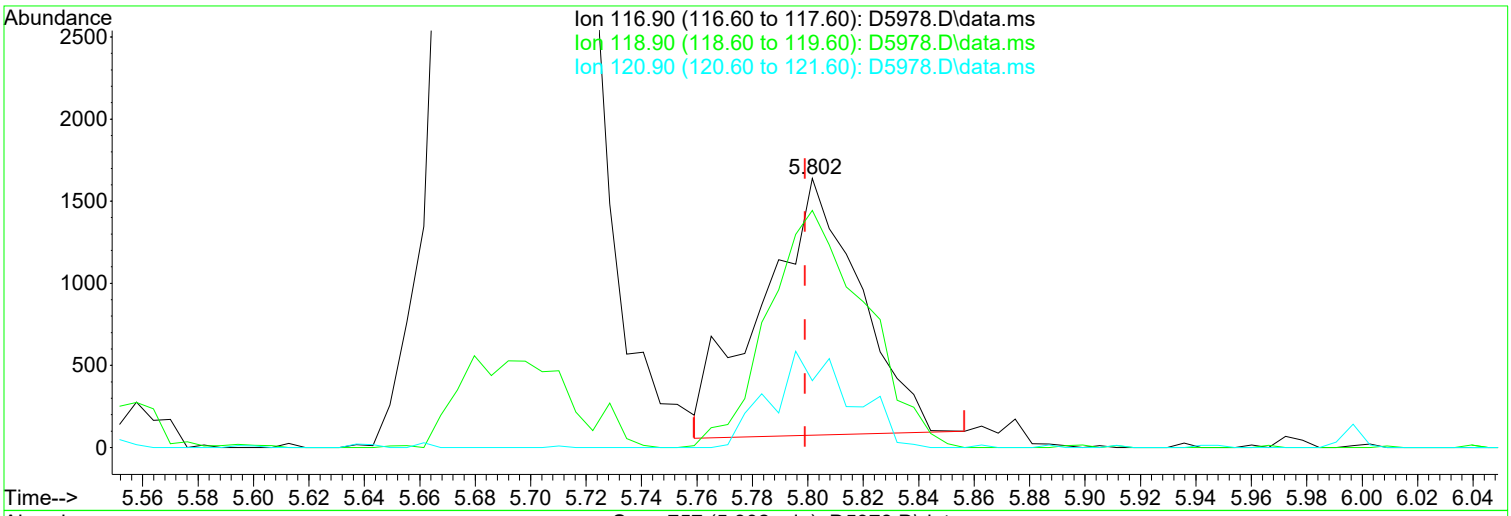
Poor integration.

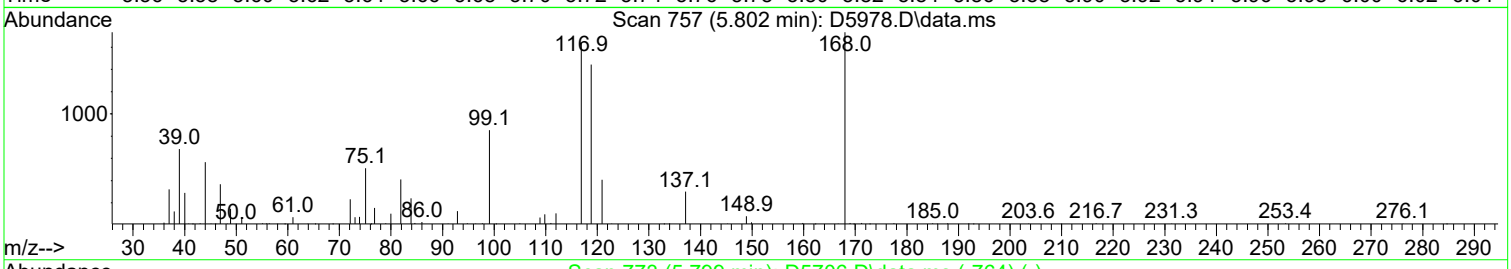
05/29/24

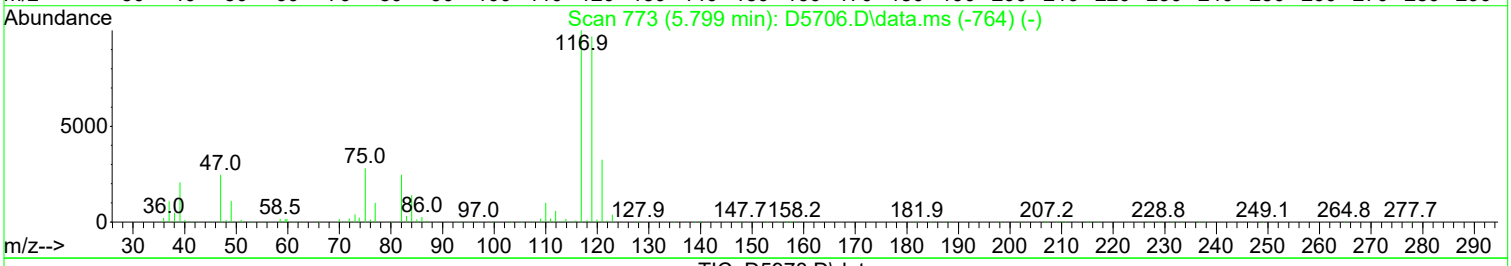
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5978.D
Acq On : 28 May 2024 03:31 pm
Operator : F.NAEGLER
Sample : 1 PPB STD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 29 08:52:07 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu May 16 14:56:42 2024
Response via : Initial Calibration







TIC: D5978.D\data.ms

(45) Carbontetrachloride (P)

5.802min (+ 0.003) 0.83 ug/L

response 3808

Ion	Exp%	Act%
116.90	100.00	100.00
118.90	96.20	88.10
120.90	32.30	24.85
0.00	0.00	0.00

Manual Integration:

Before

05/29/24

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5978.D
Acq On : 28 May 2024 03:31 pm
Operator : F.NAEGLER
Sample : 1 PPB STD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 29 08:52:07 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu May 16 14:56:42 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.698	168	398266	50.00	ug/L		0.00
42) 1,4-Difluorobenzene	6.740	114	548647	50.00	ug/L		0.00
71) d5-Chlorobenzene	9.984	117	485468	50.00	ug/L		0.00
91) 1,4-Dichlorobenzene-d4	12.020	152	262366	50.00	ug/L		0.00
System Monitoring Compounds							
44) surr4,Dibrflmethane	5.576	113	38275	12.74	ug/L		0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 25.48%#				
47) surr1,1,2-dichloroetha...	6.088	65	47783	13.96	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 27.92%#				
65) SURR3,Toluene-d8	8.508	98	145942	12.49	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 24.98%#				
70) SURR2,BFB	11.045	95	55774	12.43	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 24.86%#				
Target Compounds							Qvalue
2) Chlorodifluoromethane	1.254	51	4372	1.231	ug/L		86
3) Dichlorodifluoromethane	1.242	85	3876	0.981	ug/L		94
4) Chloromethane	1.382	50	5214	0.938	ug/L		85
5) Vinyl Chloride	1.461	62	4591	1.217	ug/L		96
6) Bromomethane	1.705	94	3429	1.502	ug/L		83
7) Chloroethane	1.790	64	3155	1.196	ug/L		96
8) Freon 21	1.949	67	5581	1.074	ug/L		93
9) Trichlorofluoromethane	1.991	101	4842	1.097	ug/L		91
10) Diethyl Ether	2.247	59	2493	0.922	ug/L	#	81
11) Freon 123a	2.247	67	3643	1.168	ug/L	#	65
12) Freon 123	2.308	83	3851	1.035	ug/L		95
13) Acrolein	2.369	56	4379	5.773	ug/L	#	40
14) 1,1-Diclethene	2.443	96	2654	0.989	ug/L	#	65
15) Freon 113	2.436	101	2680	1.019	ug/L	#	75
16) Acetone	2.534	43	2832	1.721	ug/L		89
17) 2-Propanol	2.668	45	6360	18.887	ug/L		96
18) Iodomethane	2.595	142	1172m	0.387	ug/L		
19) Carbon Disulfide	2.650	76	7865	1.071	ug/L		95
20) Acetonitrile	2.808	41	5696m	6.633	ug/L		
21) Allyl Chloride	2.802	76	1426	0.856	ug/L	#	34
22) Methyl Acetate	2.845	43	5149	1.210	ug/L		88
23) Methylene Chloride	2.936	84	2992	0.992	ug/L	#	73
24) TBA	3.107	59	10382	18.769	ug/L		97
25) Acrylonitrile	3.247	53	9383	6.078	ug/L		95
26) Methyl-t-Butyl Ether	3.266	73	9216	0.946	ug/L		96
27) trans-1,2-Dichloroethene	3.247	96	2842	0.979	ug/L		85
28) 1,1-Diclethane	3.796	63	5691	1.102	ug/L		85
29) Vinyl Acetate	3.906	86	586m	1.513	ug/L		
30) DIPE	3.906	45	12986	1.337	ug/L		79
31) 2-Chloro-1,3-Butadiene	3.900	53	5416	1.119	ug/L		88
32) ETBE	4.479	59	9263	0.963	ug/L		91
33) 2,2-Dichloropropane	4.680	77	4145	0.989	ug/L		81
34) cis-1,2-Dichloroethene	4.698	96	3292	0.991	ug/L	#	70
35) 2-Butanone	4.814	43	2887	1.367	ug/L		93
36) Propionitrile	4.918	54	4129	6.192	ug/L		84
37) Bromochloromethane	5.137	130	2341m	1.011	ug/L		
38) Methacrylonitrile	5.180	67	1479m	0.887	ug/L		
39) Tetrahydrofuran	5.277	42	1778m	1.311	ug/L		
40) Chloroform	5.308	83	7000	1.373	ug/L	#	73

1st FNJ 05/29/24
2nd 05/29/24

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5978.D
Acq On : 28 May 2024 03:31 pm
Operator : F.NAEGLER
Sample : 1 PPB STD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 29 08:52:07 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu May 16 14:56:42 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) 1,1,1-Trichloroethane	5.558	97	4034m	0.898	ug/L		
43) Cyclohexane	5.613	41	3480m	1.227	ug/L		
45) Carbontetrachloride	5.802	117	4268m	0.928	ug/L		
46) 1,1-Dichloropropene	5.826	75	4050	1.012	ug/L		88
48) Benzene	6.131	78	12468	1.058	ug/L		88
49) 1,2-Dichloroethane	6.198	62	5119	1.121	ug/L		84
50) Iso-Butyl Alcohol	6.222	43	4083	16.792	ug/L		86
51) TAME	6.356	73	8775	0.934	ug/L		91
52) n-Heptane	6.564	43	5348	1.571	ug/L	#	79
53) 1-Butanol	7.149	56	3907	25.142	ug/L		95
54) Trichloroethene	7.045	130	3434	0.982	ug/L		88
55) Methylcyclohexane	7.246	55	4704	1.239	ug/L	#	63
56) 1,2-Diclpropane	7.344	63	3287	1.036	ug/L		89
57) Dibromomethane	7.478	93	2017	0.944	ug/L	#	84
58) 1,4-Dioxane	7.582	88	1171	18.025	ug/L		86
59) Methyl Methacrylate	7.557	69	2942	1.045	ug/L		92
60) Bromodichloromethane	7.704	83	4433	1.035	ug/L		89
61) 2-Nitropropane	8.015	41	1852	1.356	ug/L	#	66
62) 2-Chloroethylvinyl Ether	8.100	63	2041	0.921	ug/L		88
63) cis-1,3-Dichloropropene	8.228	75	4623	0.933	ug/L		80
64) 4-Methyl-2-pentanone	8.454	43	4848	1.073	ug/L		86
66) Toluene	8.588	91	12407	0.942	ug/L		94
67) trans-1,3-Dichloropropene	8.868	75	3698	0.805	ug/L		84
68) Ethyl Methacrylate	8.990	69	4722	0.932	ug/L		99
69) 1,1,2-Trichloroethane	9.051	97	2650	0.822	ug/L		85
72) Tetrachloroethene	9.155	164	2544	0.885	ug/L	#	82
73) 2-Hexanone	9.344	43	3707	1.123	ug/L		75
74) 1,3-Dichloropropane	9.216	76	4917	1.007	ug/L		89
75) Dibromochloromethane	9.435	129	2811	0.762	ug/L	#	73
76) N-Butyl Acetate	9.472	43	6742	1.060	ug/L		88
77) 1,2-Dibromoethane	9.539	107	2908	0.970	ug/L		90
78) 3-Chlorobenzotrifluoride	10.020	180	5023	0.903	ug/L		87
79) Chlorobenzene	10.008	112	9309	1.015	ug/L		92
80) 4-Chlorobenzotrifluoride	10.075	180	4815	0.959	ug/L		96
81) 1,1,1,2-Tetrachloroethane	10.100	131	2944	0.839	ug/L		96
82) Ethylbenzene	10.112	106	4925	1.056	ug/L	#	62
83) (m+p)Xylene	10.228	106	9766	1.672	ug/L	#	82
84) o-Xylene	10.587	106	4818	0.854	ug/L		99
85) Styrene	10.606	104	8445	0.858	ug/L		91
86) Bromoform	10.764	173	2062	0.786	ug/L		79
87) 2-Chlorobenzotrifluoride	10.837	180	4839	0.895	ug/L		96
88) Isopropylbenzene	10.916	105	13105	0.910	ug/L		96
89) Cyclohexanone	11.014	55	17408	22.701	ug/L		88
90) trans-1,4-Dichloro-2-B...	11.246	53	1234	0.900	ug/L	#	60
92) 1,1,2,2-Tetrachloroethane	11.197	83	4588	1.083	ug/L		90
93) Bromobenzene	11.166	156	3960	0.952	ug/L	#	77
94) 1,2,3-Trichloropropane	11.221	110	1498	1.073	ug/L	#	76
95) n-Propylbenzene	11.264	91	15268	0.976	ug/L		96
96) 2-Chlorotoluene	11.337	91	10019	1.044	ug/L		88
97) 3-Chlorotoluene	11.392	91	9538	0.975	ug/L		92
98) 4-Chlorotoluene	11.435	91	10892	1.009	ug/L		93
99) 1,3,5-Trimethylbenzene	11.416	105	10572	0.898	ug/L		97
100) tert-Butylbenzene	11.691	119	9653	0.955	ug/L		98
101) 1,2,4-Trimethylbenzene	11.733	105	11276	0.945	ug/L		91
102) 3,4-Dichlorobenzotrifl...	11.788	214	3895	0.909	ug/L		89
103) sec-Butylbenzene	11.874	105	12752	0.918	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5978.D
Acq On : 28 May 2024 03:31 pm
Operator : F.NAEGLER
Sample : 1 PPB STD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 29 08:52:07 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu May 16 14:56:42 2024
Response via : Initial Calibration

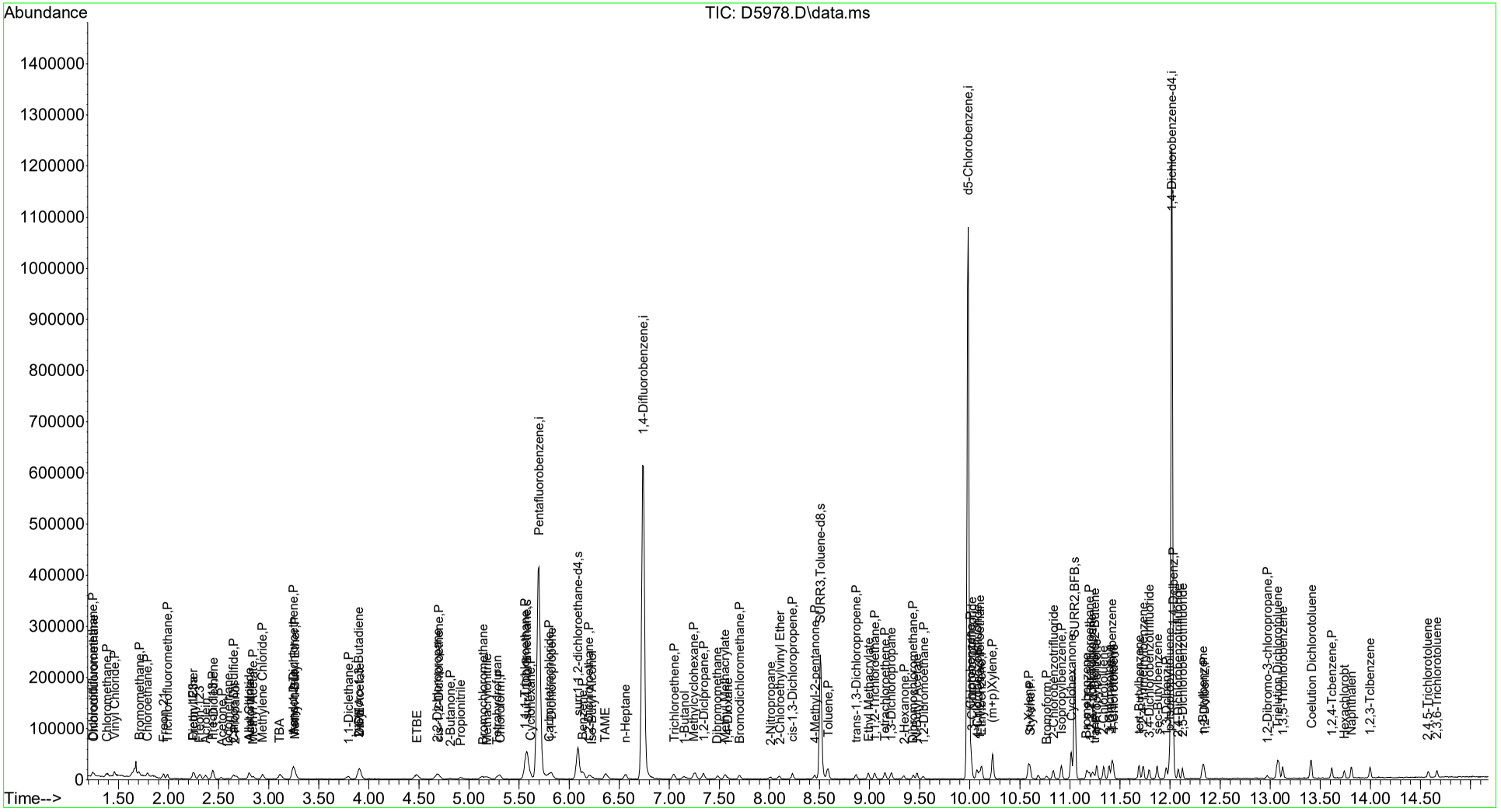
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) p-Isopropyltoluene	11.989	119	11316	0.894	ug/L	94
105) 1,3-Dclbenz	11.965	146	6834	0.921	ug/L	82
106) 1,4-Dclbenz	12.032	146	7482	0.977	ug/L	94
107) 2,4-Dichlorobenzotrifl...	12.081	214	3542	0.897	ug/L	95
108) 2,5-Dichlorobenzotrifl...	12.124	214	4331	0.978	ug/L	89
109) n-Butylbenzene	12.325	91	9268	0.916	ug/L	95
110) 1,2-Dclbenz	12.343	146	6944	0.901	ug/L	94
111) 1,2-Dibromo-3-chloropr...	12.971	157	1108	0.887	ug/L	83
112) Trielution Dichlorotol...	13.075	125	15516	2.542	ug/L	88
113) 1,3,5-Trichlorobenzene	13.123	180	5470	0.925	ug/L	96
114) Coelution Dichlorotoluene	13.410	125	12316	1.812	ug/L	98
115) 1,2,4-Tcbenzene	13.617	180	5172	0.896	ug/L	92
116) Hexachlorobt	13.739	225	2057	0.794	ug/L	89
117) Naphthalen	13.806	128	13326	0.833	ug/L	95
118) 1,2,3-Tclbenzene	13.995	180	5420	0.947	ug/L	92
119) 2,4,5-Trichlorotoluene	14.574	159	2600m	0.694	ug/L	
120) 2,3,6-Trichlorotoluene	14.666	159	2660	0.775	ug/L	96

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5978.D
Acq On : 28 May 2024 03:31 pm
Operator : F.NAEGLER
Sample : 1 PPB STD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 29 08:52:07 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu May 16 14:56:42 2024
Response via : Initial Calibration

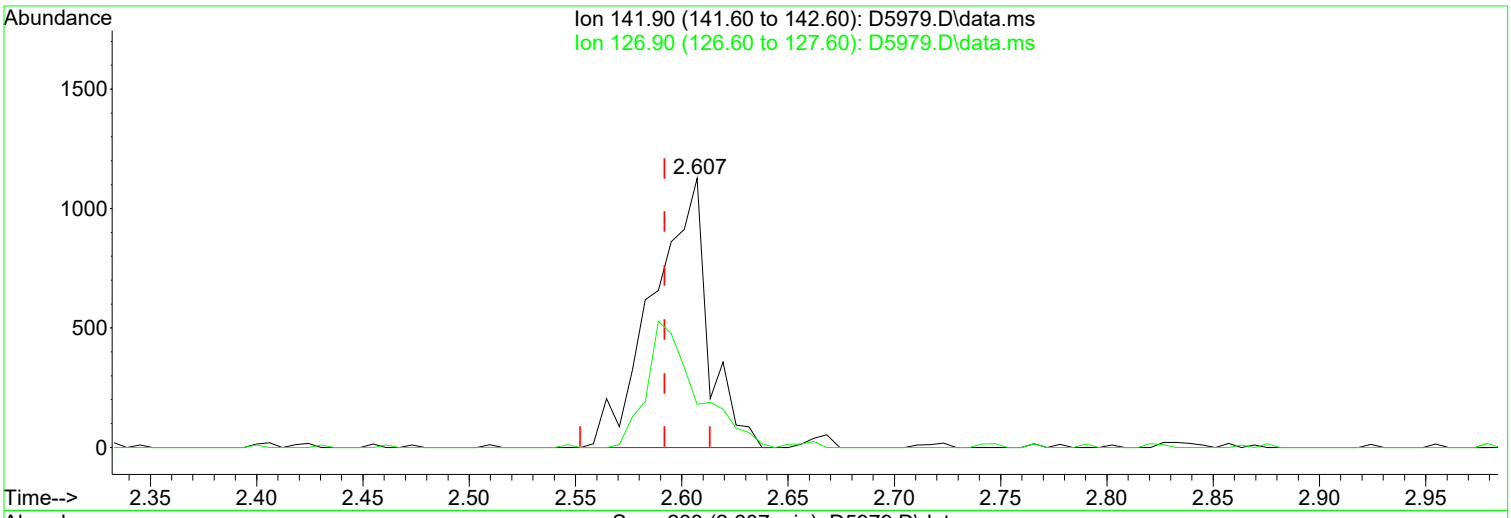


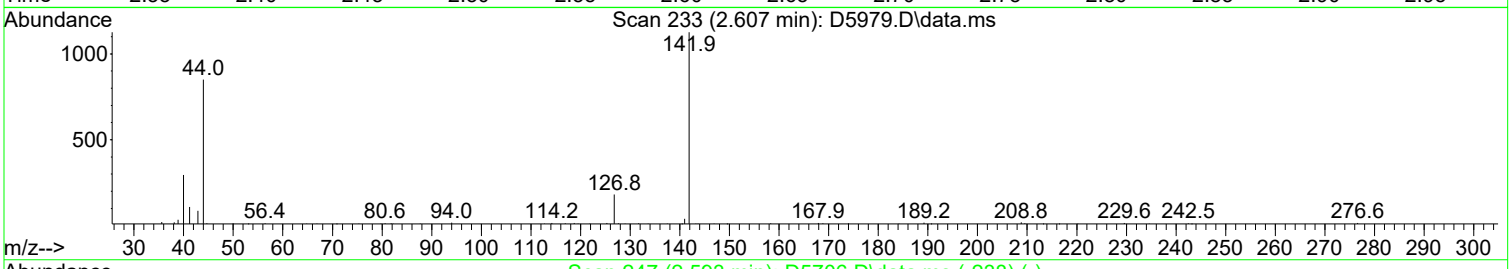
1st 05/29/24
2nd 05/29/24

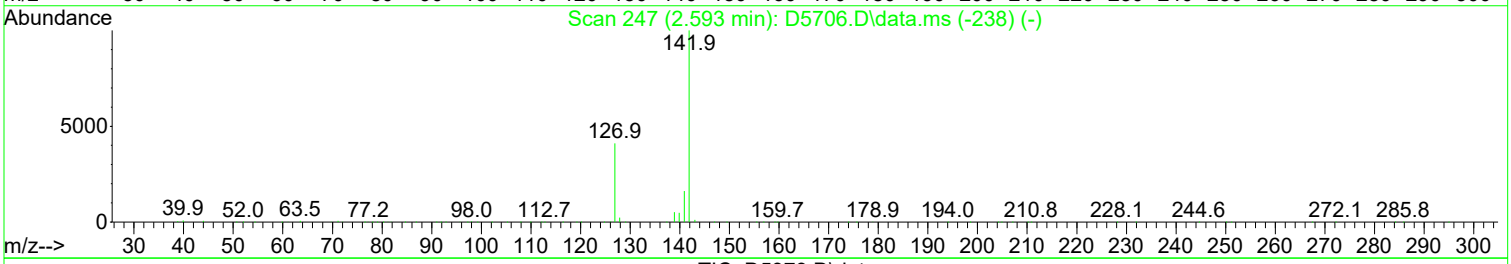
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5979.D
Acq On : 28 May 2024 03:54 pm
Operator : F.NAEGLER
Sample : 2 PPB STD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 29 09:02:43 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu May 16 14:56:42 2024
Response via : Initial Calibration







TIC: D5979.D\data.ms

(18) Iodomethane

2.607min (+ 0.015) 0.65 ug/L m

response 2029

Ion	Exp%	Act%
141.90	100.00	100.00
126.90	41.10	16.07#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

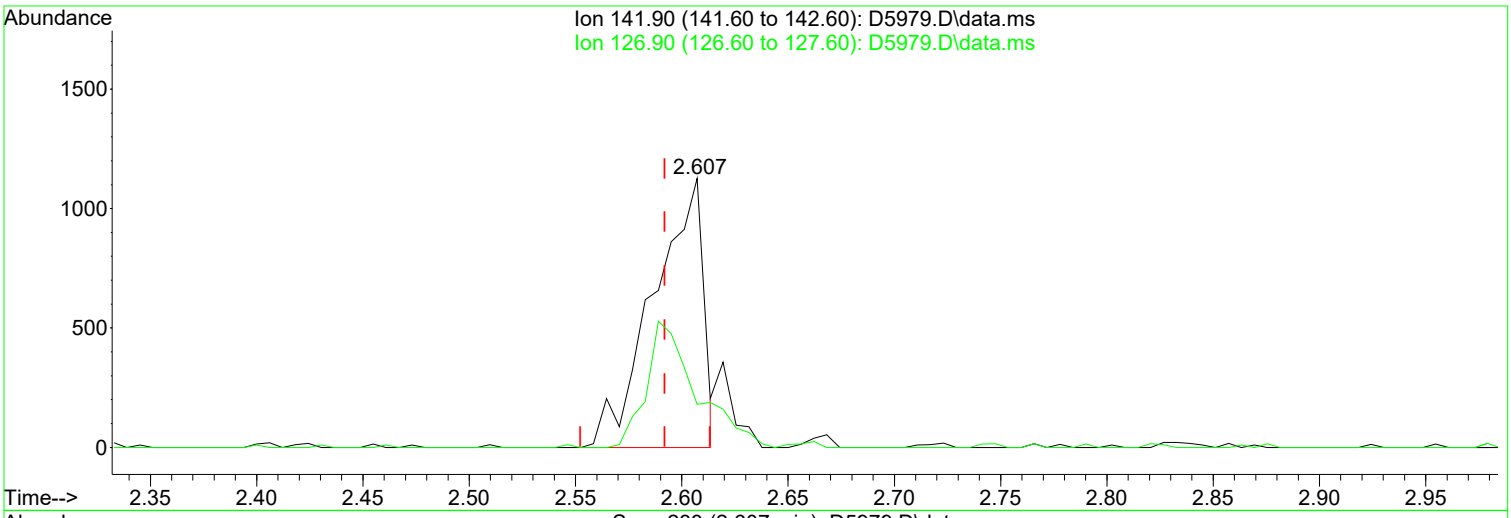
Poor integration.

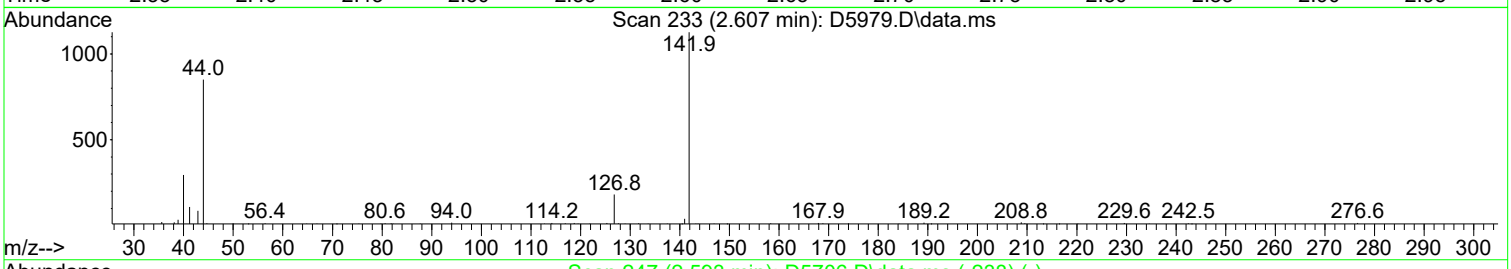
05/29/24

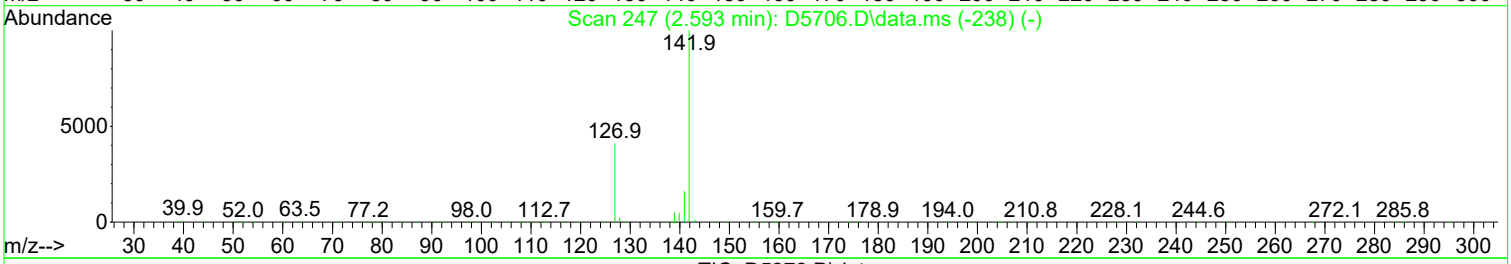
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5979.D
Acq On : 28 May 2024 03:54 pm
Operator : F.NAEGLER
Sample : 2 PPB STD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 29 09:02:43 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu May 16 14:56:42 2024
Response via : Initial Calibration







TIC: D5979.D\data.ms

(18) Iodomethane **Manual Integration:**

2.607min (+ 0.015) 0.58 ug/L **Before**

response 1833

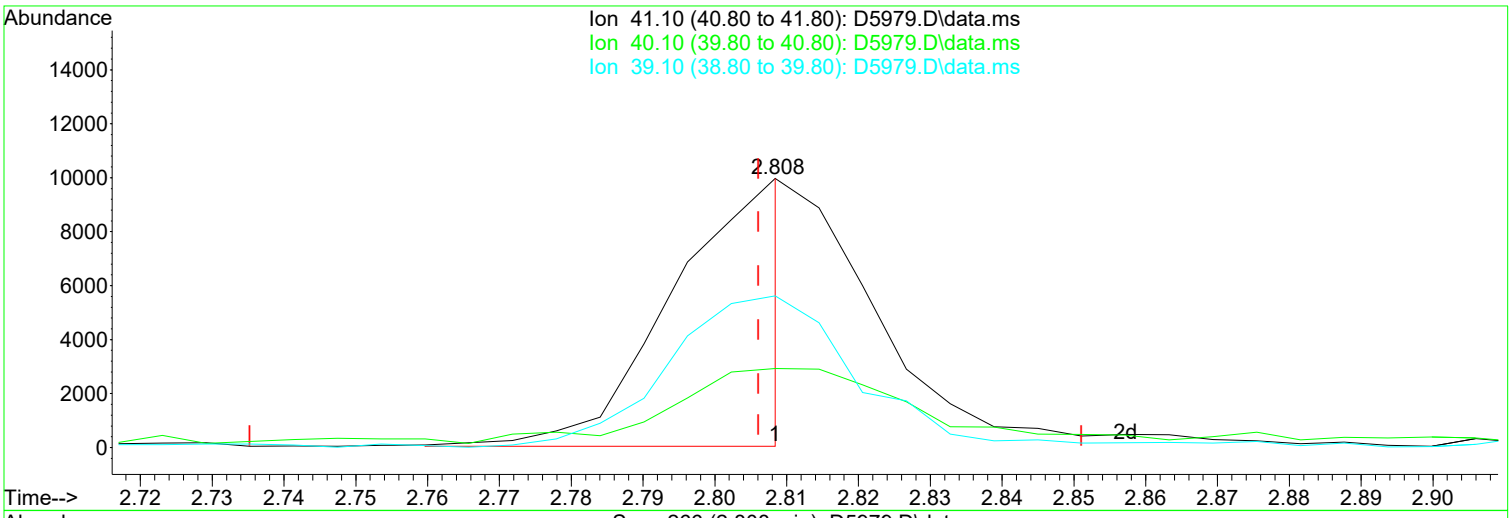
Ion	Exp%	Act%
141.90	100.00	100.00
126.90	41.10	17.23#
0.00	0.00	0.00
0.00	0.00	0.00

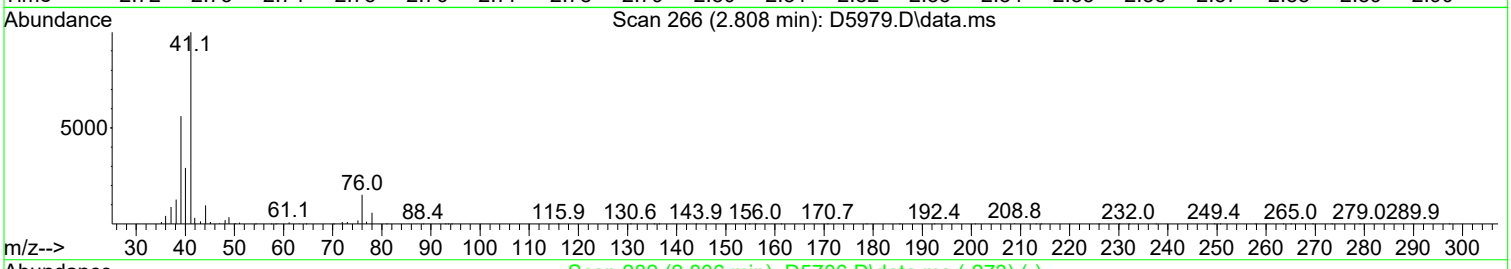
05/29/24

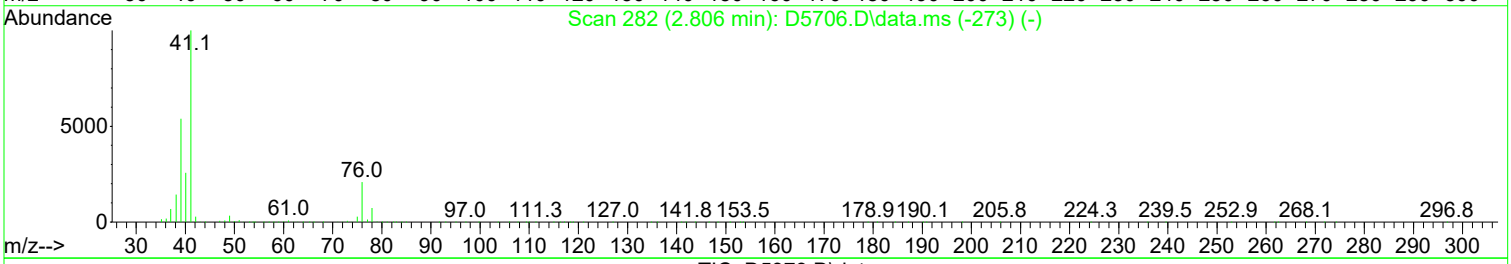
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5979.D
Acq On : 28 May 2024 03:54 pm
Operator : F.NAEGLER
Sample : 2 PPB STD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 29 09:02:43 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu May 16 14:56:42 2024
Response via : Initial Calibration







TIC: D5979.D\data.ms

(20) Acetonitrile

2.808min (+ 0.002) 12.72 ug/L m

response 11326

Ion	Exp%	Act%
41.10	100.00	100.00
40.10	26.00	29.34
39.10	54.00	56.35
0.00	0.00	0.00

Manual Integration:

After

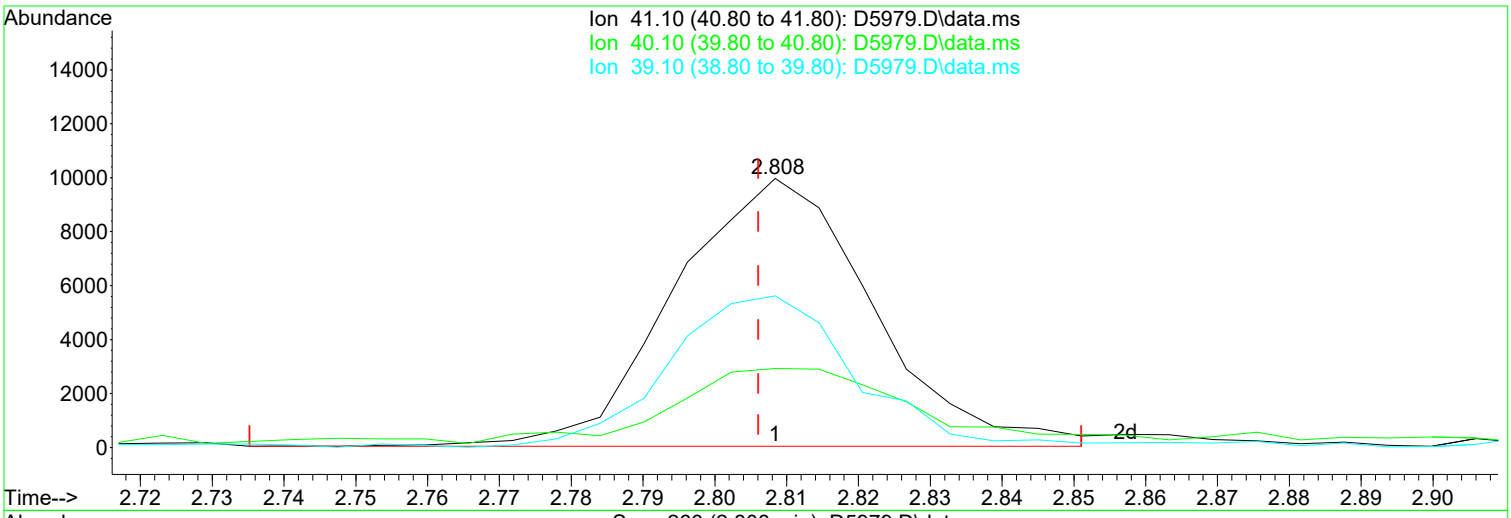
Poor integration.

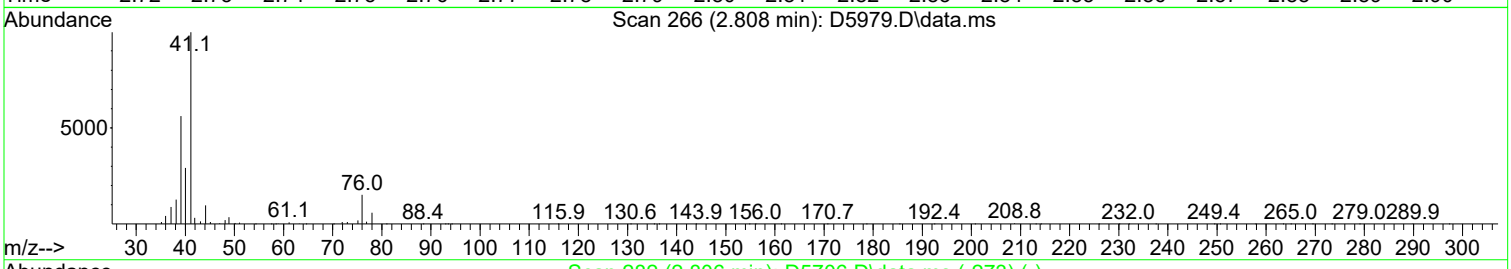
05/29/24

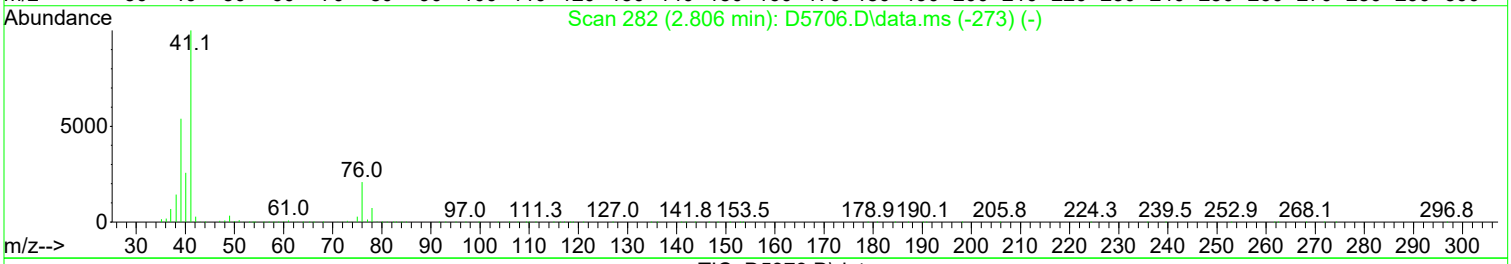
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5979.D
Acq On : 28 May 2024 03:54 pm
Operator : F.NAEGLER
Sample : 2 PPB STD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 29 09:02:43 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu May 16 14:56:42 2024
Response via : Initial Calibration







TIC: D5979.D\data.ms

(20) Acetonitrile

2.808min (+ 0.002) 21.41 ug/L

response 19056

Ion	Exp%	Act%
41.10	100.00	100.00
40.10	26.00	29.34
39.10	54.00	56.35
0.00	0.00	0.00

Manual Integration:

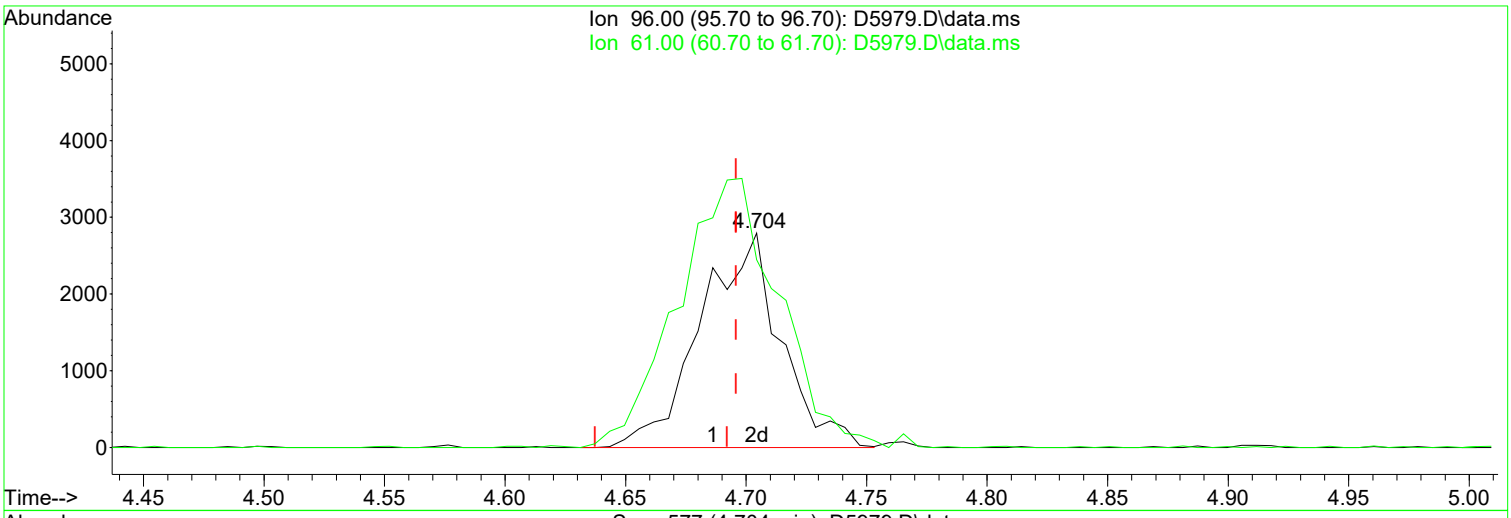
Before

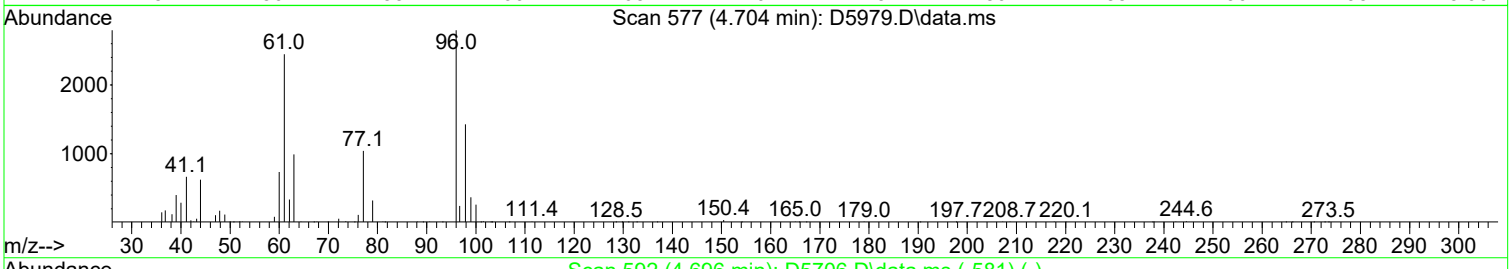
05/29/24

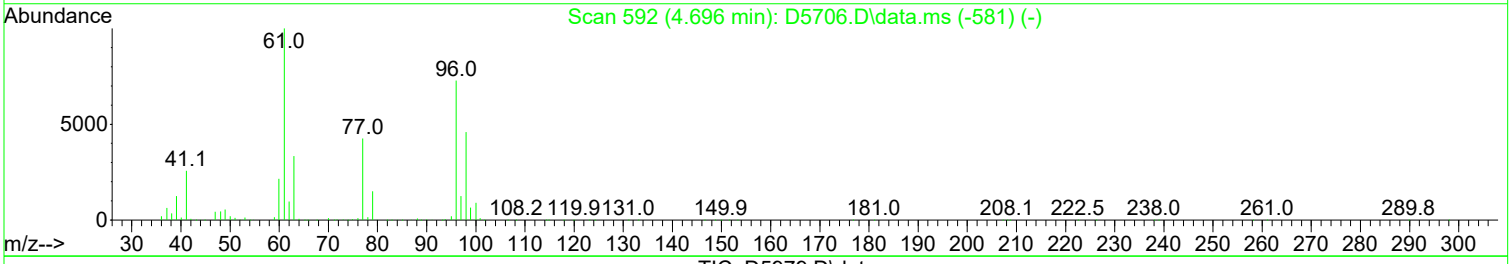
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5979.D
Acq On : 28 May 2024 03:54 pm
Operator : F.NAEGLER
Sample : 2 PPB STD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 29 09:02:43 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu May 16 14:56:42 2024
Response via : Initial Calibration







TIC: D5979.D\data.ms

(34) cis-1,2-Dichloroethene (P)

4.704min (+ 0.008) 1.88 ug/L m

response 6468

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	138.50	87.54#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

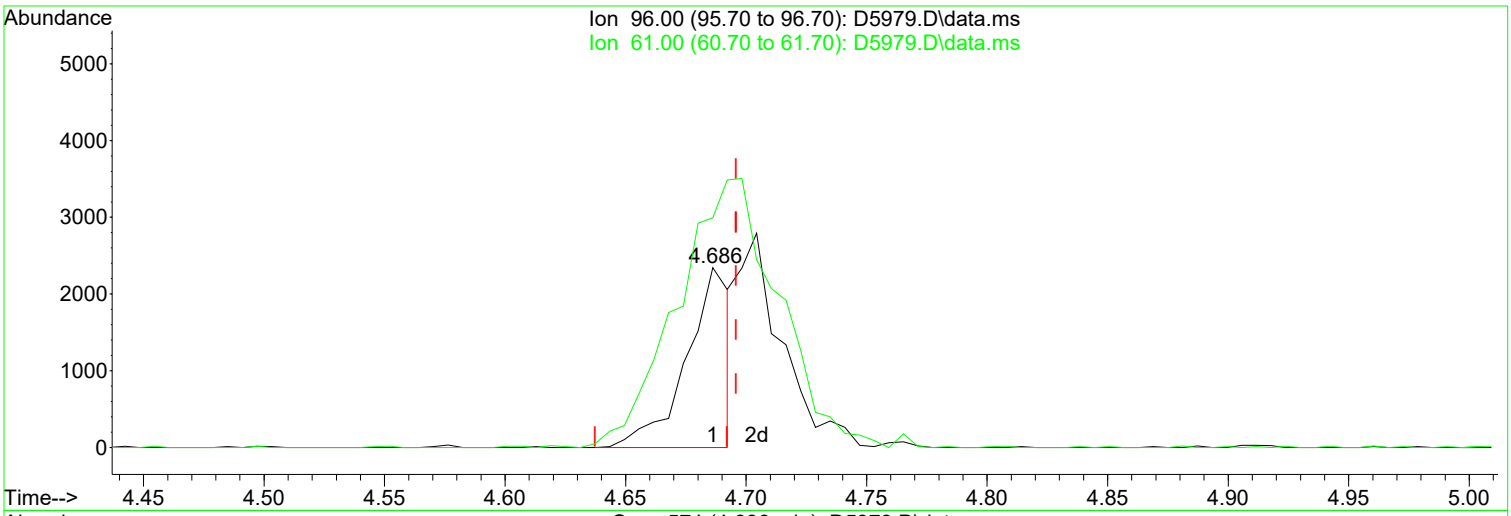
Poor integration.

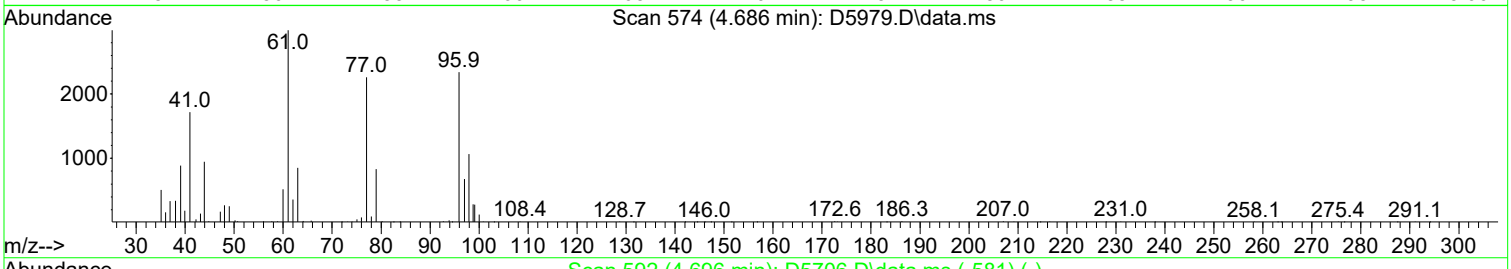
05/29/24

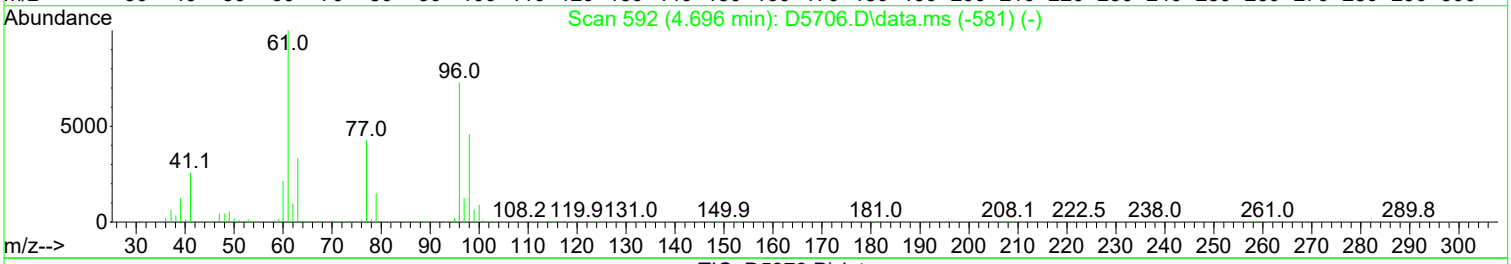
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5979.D
Acq On : 28 May 2024 03:54 pm
Operator : F.NAEGLER
Sample : 2 PPB STD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 29 09:02:43 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu May 16 14:56:42 2024
Response via : Initial Calibration







TIC: D5979.D\data.ms

(34) cis-1,2-Dichloroethene (P)

4.686min (-0.010) 0.86 ug/L

response 2957

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	138.50	127.85
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

05/29/24

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5979.D
Acq On : 28 May 2024 03:54 pm
Operator : F.NAEGLER
Sample : 2 PPB STD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 29 09:02:43 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu May 16 14:56:42 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.698	168	412884	50.00	ug/L		0.00
42) 1,4-Difluorobenzene	6.741	114	572073	50.00	ug/L		0.00
71) d5-Chlorobenzene	9.984	117	494080	50.00	ug/L		0.00
91) 1,4-Dichlorobenzene-d4	12.014	152	260542	50.00	ug/L		0.00
System Monitoring Compounds							
44) surr4,Dibrflmethane	5.576	113	38020	12.13	ug/L		0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 24.26%#				
47) surr1,1,2-dichloroetha...	6.088	65	48652	13.64	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 27.28%#				
65) SURR3,Toluene-d8	8.508	98	154094	12.65	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 25.30%#				
70) SURR2,BFB	11.045	95	55427	11.85	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 23.70%#				
Target Compounds							Qvalue
2) Chlorodifluoromethane	1.254	51	8378	2.276	ug/L		97
3) Dichlorodifluoromethane	1.242	85	6351	1.550	ug/L		89
4) Chloromethane	1.382	50	9620	1.670	ug/L		90
5) Vinyl Chloride	1.461	62	8146	2.082	ug/L		91
6) Bromomethane	1.705	94	5564	2.351	ug/L		91
7) Chloroethane	1.790	64	5645	2.064	ug/L		82
8) Freon 21	1.949	67	11848	2.198	ug/L		96
9) Trichlorofluoromethane	1.991	101	8833	1.931	ug/L		88
10) Diethyl Ether	2.248	59	5997	2.140	ug/L		93
11) Freon 123a	2.254	67	7106	2.197	ug/L	#	67
12) Freon 123	2.309	83	7745	2.008	ug/L		95
13) Acrolein	2.363	56	10430	13.263	ug/L		84
14) 1,1-Diclethene	2.443	96	5159	1.855	ug/L	#	77
15) Freon 113	2.449	101	5291	1.940	ug/L		99
16) Acetone	2.534	43	5260	3.083	ug/L		96
17) 2-Propanol	2.668	45	13971	40.020	ug/L		98
18) Iodomethane	2.607	142	2029m	0.647	ug/L		
19) Carbon Disulfide	2.644	76	16838	2.211	ug/L		99
20) Acetonitrile	2.808	41	11326m	12.722	ug/L		
21) Allyl Chloride	2.802	76	2762	1.600	ug/L	#	84
22) Methyl Acetate	2.851	43	11164	2.530	ug/L		90
23) Methylene Chloride	2.943	84	6074	1.943	ug/L	#	76
24) TBA	3.107	59	21014	36.645	ug/L		86
25) Acrylonitrile	3.241	53	18905	11.812	ug/L		95
26) Methyl-t-Butyl Ether	3.260	73	20433	2.022	ug/L		95
27) trans-1,2-Dichloroethene	3.241	96	5735	1.906	ug/L		95
28) 1,1-Diclethane	3.790	63	11649	2.175	ug/L		89
29) Vinyl Acetate	3.894	86	862	2.146	ug/L	#	21
30) DIPE	3.900	45	23611	2.344	ug/L		81
31) 2-Chloro-1,3-Butadiene	3.912	53	10840	2.160	ug/L		88
32) ETBE	4.467	59	21136	2.119	ug/L		89
33) 2,2-Dichloropropane	4.668	77	8209	1.888	ug/L		88
34) cis-1,2-Dichloroethene	4.704	96	6468m	1.879	ug/L		
35) 2-Butanone	4.820	43	5667	2.588	ug/L		80
36) Propionitrile	4.924	54	8102	11.719	ug/L		88
37) Bromochloromethane	5.125	130	4618	1.923	ug/L	#	61
38) Methacrylonitrile	5.180	67	3484	2.017	ug/L		88
39) Tetrahydrofuran	5.284	42	3854	2.742	ug/L		83
40) Chloroform	5.308	83	13734	2.599	ug/L		94

1st FNJ 05/29/24
2nd WR 05/29/24

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5979.D
Acq On : 28 May 2024 03:54 pm
Operator : F.NAEGLER
Sample : 2 PPB STD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 29 09:02:43 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu May 16 14:56:42 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) 1,1,1-Trichloroethane	5.558	97	9142	1.964	ug/L		95
43) Cyclohexane	5.613	41	7625	2.578	ug/L		97
45) Carbontetrachloride	5.796	117	7504	1.565	ug/L	#	79
46) 1,1-Dichloropropene	5.832	75	8295	1.988	ug/L		90
48) Benzene	6.137	78	23516	1.914	ug/L		99
49) 1,2-Dichloroethane	6.204	62	9641	2.025	ug/L		91
50) Iso-Butyl Alcohol	6.228	43	7929	31.274	ug/L		94
51) TAME	6.369	73	18055	1.843	ug/L		92
52) n-Heptane	6.564	43	9076	2.557	ug/L		90
53) 1-Butanol	7.137	56	8730	53.879	ug/L		80
54) Trichloroethene	7.045	130	6559	1.799	ug/L		88
55) Methylcyclohexane	7.253	55	8814	2.227	ug/L	#	75
56) 1,2-Diclpropane	7.344	63	6761	2.045	ug/L		81
57) Dibromomethane	7.478	93	4016	1.804	ug/L		92
58) 1,4-Dioxane	7.576	88	2557	37.748	ug/L	#	70
59) Methyl Methacrylate	7.551	69	5112	1.741	ug/L		89
60) Bromodichloromethane	7.698	83	7863	1.760	ug/L		98
61) 2-Nitropropane	8.015	41	3944	2.770	ug/L	#	63
62) 2-Chloroethylvinyl Ether	8.094	63	3783	1.637	ug/L		81
63) cis-1,3-Dichloropropene	8.234	75	8551	1.655	ug/L		98
64) 4-Methyl-2-pentanone	8.448	43	10222	2.169	ug/L		93
66) Toluene	8.582	91	25247	1.838	ug/L		95
67) trans-1,3-Dichloropropene	8.862	75	6796	1.419	ug/L		94
68) Ethyl Methacrylate	8.990	69	8296	1.570	ug/L	#	76
69) 1,1,2-Trichloroethane	9.051	97	6361	1.893	ug/L		93
72) Tetrachloroethene	9.155	164	5091	1.740	ug/L		89
73) 2-Hexanone	9.338	43	6426	1.912	ug/L		97
74) 1,3-Dichloropropane	9.216	76	10180	2.049	ug/L	#	69
75) Dibromochloromethane	9.441	129	5671	1.511	ug/L		97
76) N-Butyl Acetate	9.472	43	14253	2.203	ug/L		90
77) 1,2-Dibromoethane	9.533	107	5605	1.837	ug/L		98
78) 3-Chlorobenzotrifluoride	10.014	180	9440	1.667	ug/L		92
79) Chlorobenzene	10.008	112	17517	1.876	ug/L	#	73
80) 4-Chlorobenzotrifluoride	10.075	180	9537	1.866	ug/L		82
81) 1,1,1,2-Tetrachloroethane	10.094	131	5349	1.497	ug/L		89
82) Ethylbenzene	10.118	106	8609	1.815	ug/L	#	77
83) (m+p)Xylene	10.234	106	21809	3.670	ug/L		88
84) o-Xylene	10.581	106	10296	1.792	ug/L		96
85) Styrene	10.600	104	17137	1.711	ug/L		86
86) Bromoform	10.770	173	4170	1.561	ug/L		72
87) 2-Chlorobenzotrifluoride	10.831	180	9785	1.778	ug/L		92
88) Isopropylbenzene	10.917	105	26287	1.794	ug/L		96
89) Cyclohexanone	11.008	55	30237	38.743	ug/L		96
90) trans-1,4-Dichloro-2-B...	11.246	53	2577	1.848	ug/L	#	63
92) 1,1,2,2-Tetrachloroethane	11.191	83	8791	2.091	ug/L		92
93) Bromobenzene	11.173	156	8269	2.001	ug/L		98
94) 1,2,3-Trichloropropane	11.227	110	2248	1.622	ug/L		91
95) n-Propylbenzene	11.270	91	29448	1.896	ug/L		97
96) 2-Chlorotoluene	11.337	91	19276	2.022	ug/L		90
97) 3-Chlorotoluene	11.392	91	19506	2.007	ug/L		92
98) 4-Chlorotoluene	11.429	91	21723	2.027	ug/L		93
99) 1,3,5-Trimethylbenzene	11.416	105	21340	1.825	ug/L		97
100) tert-Butylbenzene	11.691	119	18593	1.853	ug/L		99
101) 1,2,4-Trimethylbenzene	11.727	105	22369	1.888	ug/L		87
102) 3,4-Dichlorobenzotrifl...	11.794	214	7540	1.773	ug/L		93
103) sec-Butylbenzene	11.868	105	25983	1.883	ug/L		90

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5979.D
Acq On : 28 May 2024 03:54 pm
Operator : F.NAEGLER
Sample : 2 PPB STD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 29 09:02:43 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu May 16 14:56:42 2024
Response via : Initial Calibration

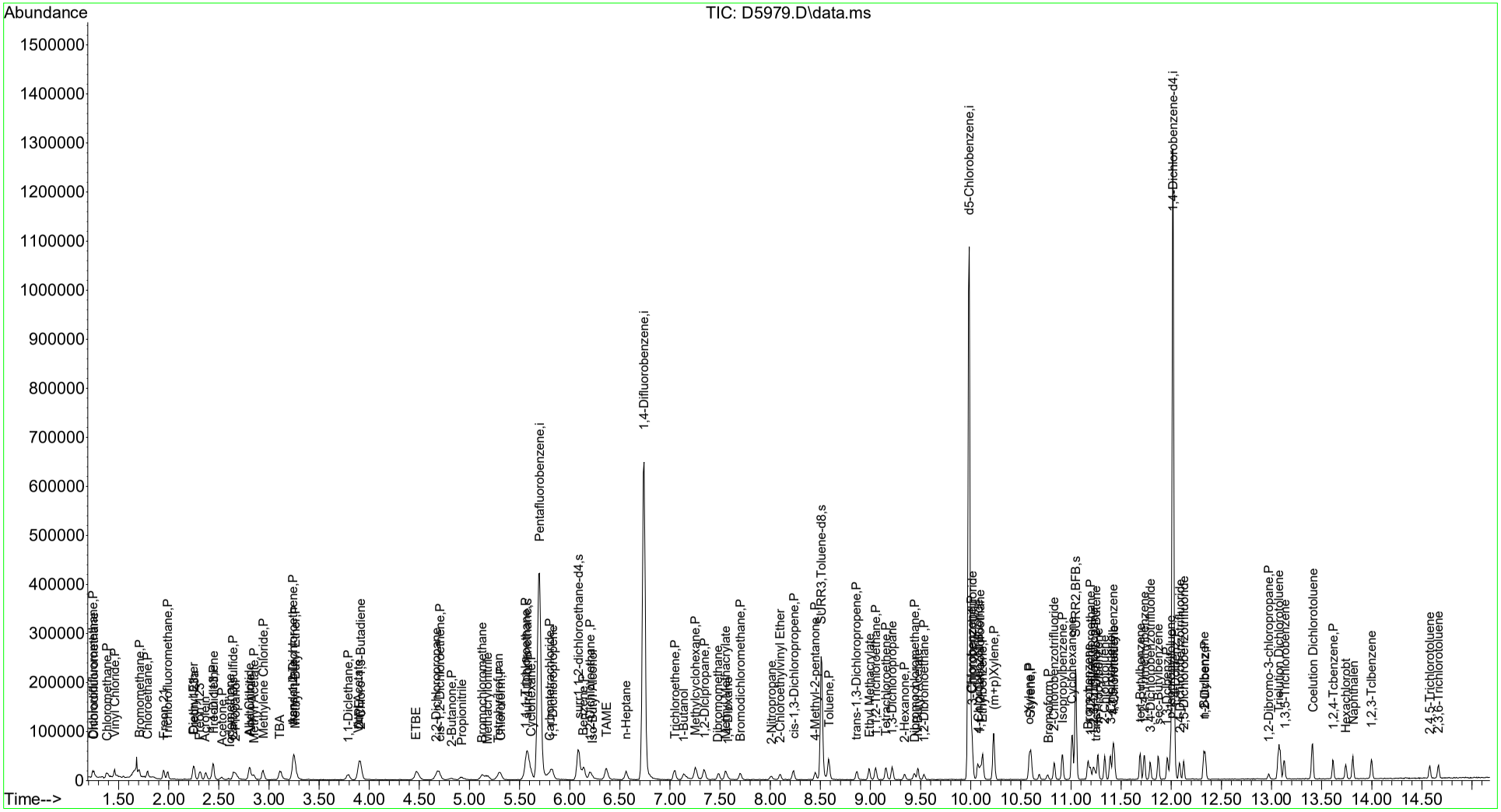
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
104) p-Isopropyltoluene	11.990	119	22108	1.759	ug/L		97
105) 1,3-Dclbenz	11.959	146	13291	1.804	ug/L		87
106) 1,4-Dclbenz	12.038	146	14627	1.923	ug/L		93
107) 2,4-Dichlorobenzotrifl...	12.087	214	6813	1.738	ug/L		98
108) 2,5-Dichlorobenzotrifl...	12.124	214	7901	1.796	ug/L		91
109) n-Butylbenzene	12.325	91	18189	1.810	ug/L		97
110) 1,2-Dclbenz	12.337	146	14455	1.888	ug/L		98
111) 1,2-Dibromo-3-chloropr...	12.971	157	2151	1.733	ug/L	#	87
112) Trielution Dichlorotol...	13.075	125	31163	5.141	ug/L		92
113) 1,3,5-Trichlorobenzene	13.130	180	10488	1.786	ug/L		83
114) Coelution Dichlorotoluene	13.410	125	23455	3.474	ug/L		93
115) 1,2,4-Tcbenzene	13.617	180	9221	1.608	ug/L		96
116) Hexachlorobt	13.739	225	4457	1.733	ug/L		92
117) Naphthalen	13.812	128	26578	1.672	ug/L		99
118) 1,2,3-Tclbenzene	13.995	180	9585	1.686	ug/L		85
119) 2,4,5-Trichlorotoluene	14.581	159	5562	1.495	ug/L		98
120) 2,3,6-Trichlorotoluene	14.666	159	4835	1.418	ug/L		95

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5979.D
Acq On : 28 May 2024 03:54 pm
Operator : F.NAEGLER
Sample : 2 PPB STD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 29 09:02:43 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu May 16 14:56:42 2024
Response via : Initial Calibration

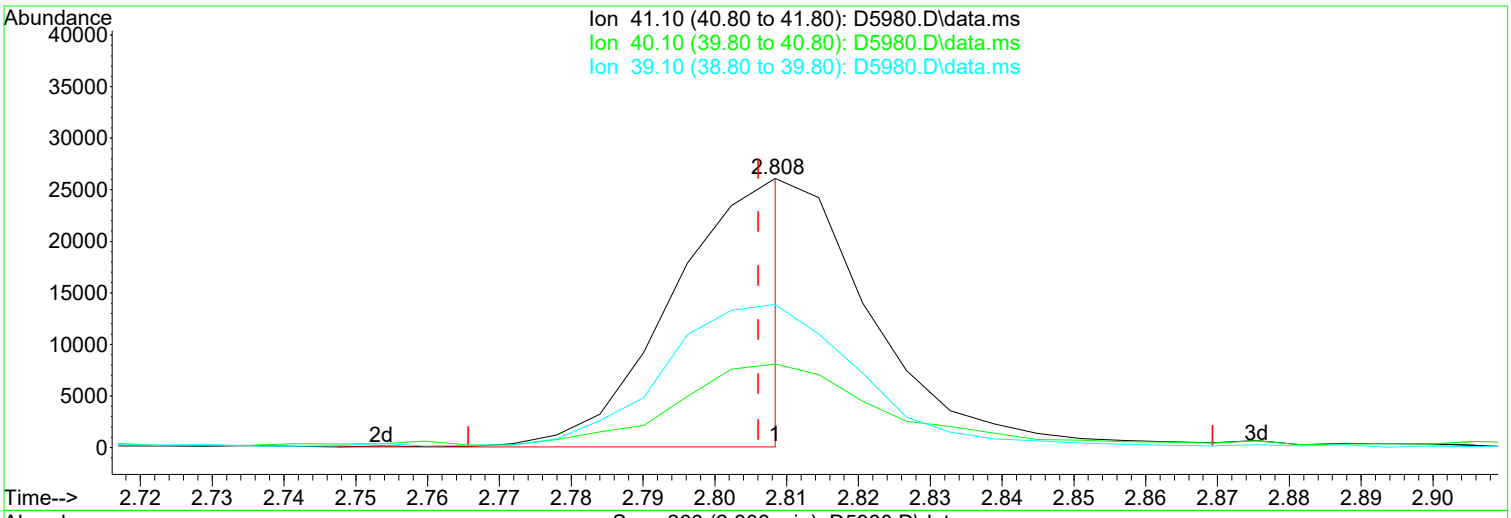


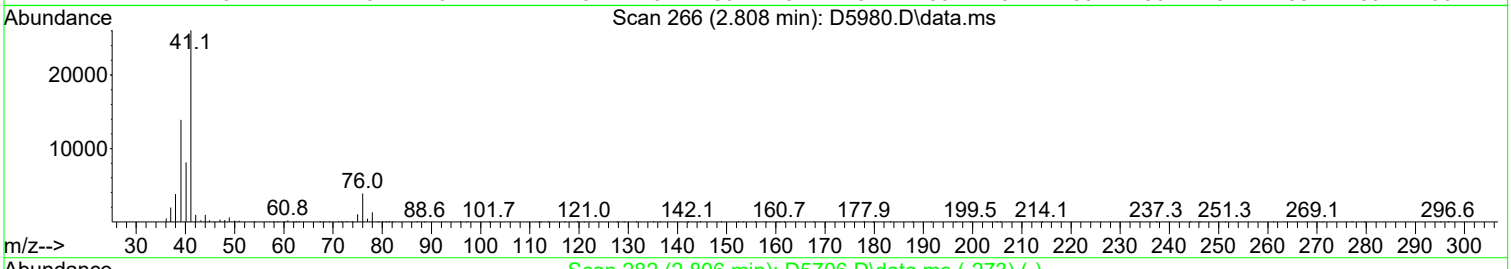
1st FN 05/29/24
2nd 05/29/24

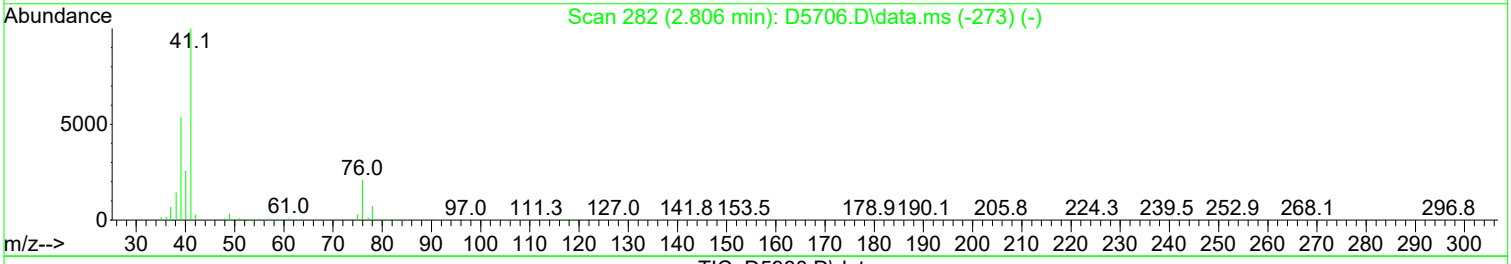
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5980.D
Acq On : 28 May 2024 04:17 pm
Operator : F.NAEGLER
Sample : 5 PPB STD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 29 09:04:45 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu May 16 14:56:42 2024
Response via : Initial Calibration







TIC: D5980.D\data.ms

(20) Acetonitrile

2.808min (+ 0.002) 33.94 ug/L m

response 29769

Ion	Exp%	Act%
41.10	100.00	100.00
40.10	26.00	31.01
39.10	54.00	53.22
0.00	0.00	0.00

Manual Integration:

After

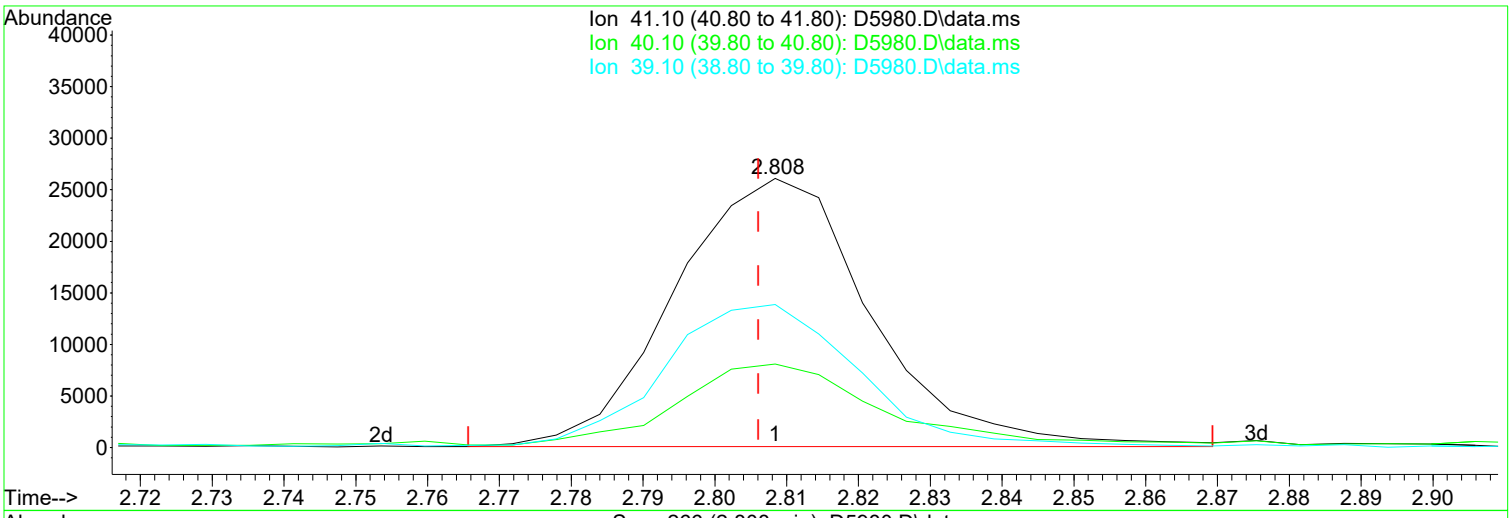
Poor integration.

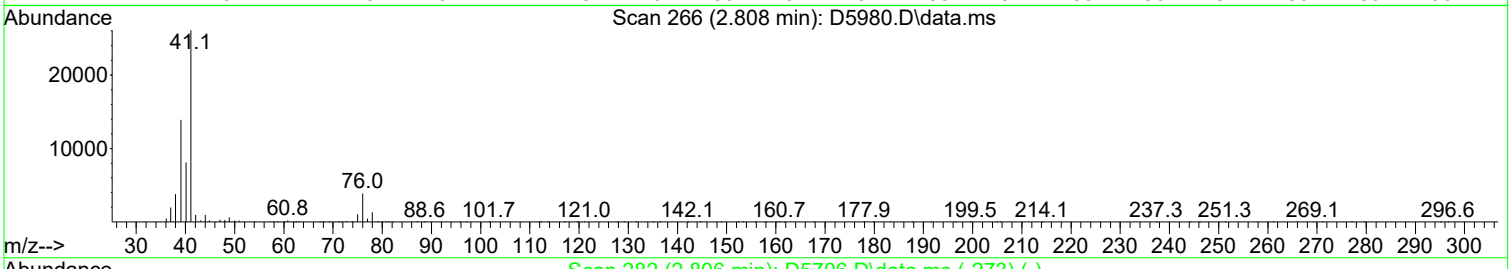
05/29/24

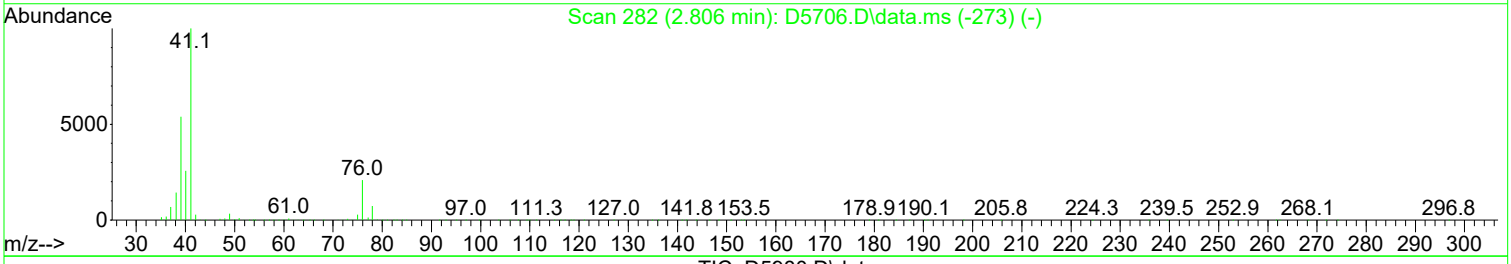
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5980.D
Acq On : 28 May 2024 04:17 pm
Operator : F.NAEGLER
Sample : 5 PPB STD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 29 09:04:45 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu May 16 14:56:42 2024
Response via : Initial Calibration







TIC: D5980.D\data.ms

(20) Acetonitrile

2.808min (+ 0.002) 56.51 ug/L

response 49561

Ion	Exp%	Act%
41.10	100.00	100.00
40.10	26.00	31.01
39.10	54.00	53.22
0.00	0.00	0.00

Manual Integration:

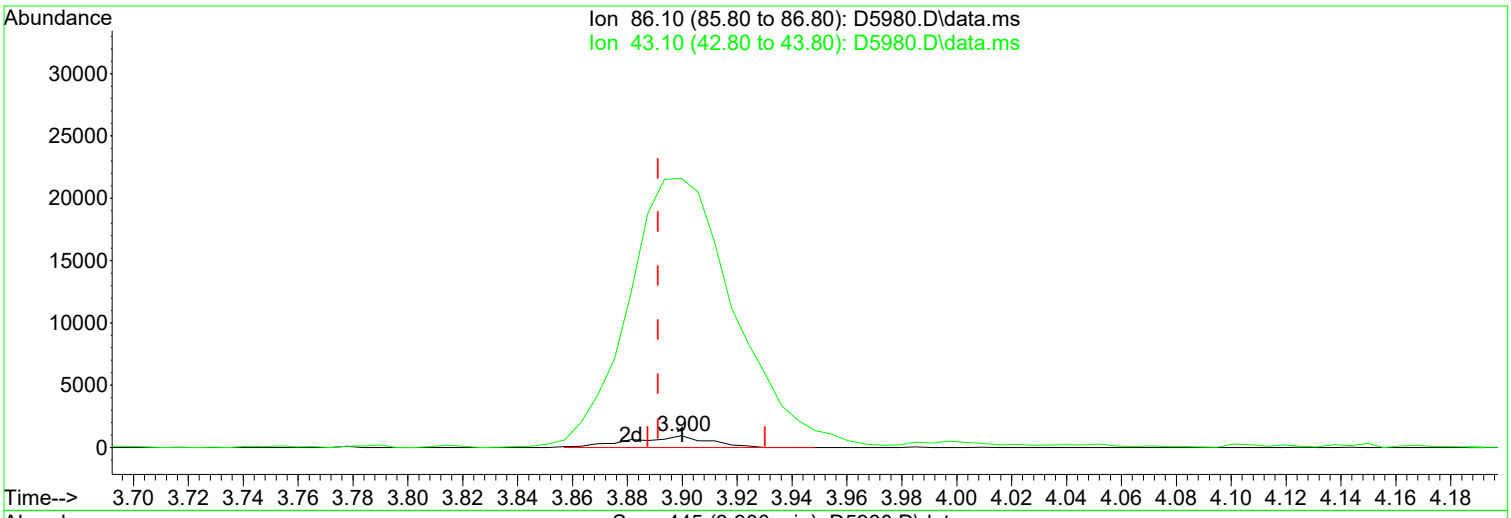
Before

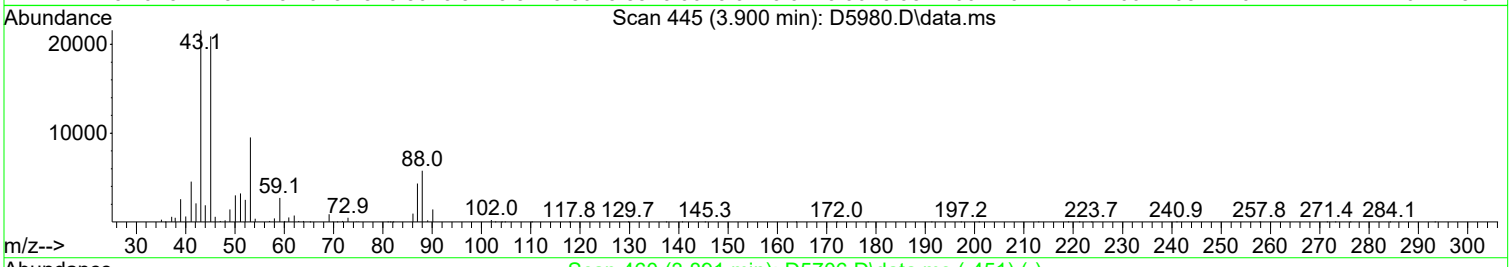
05/29/24

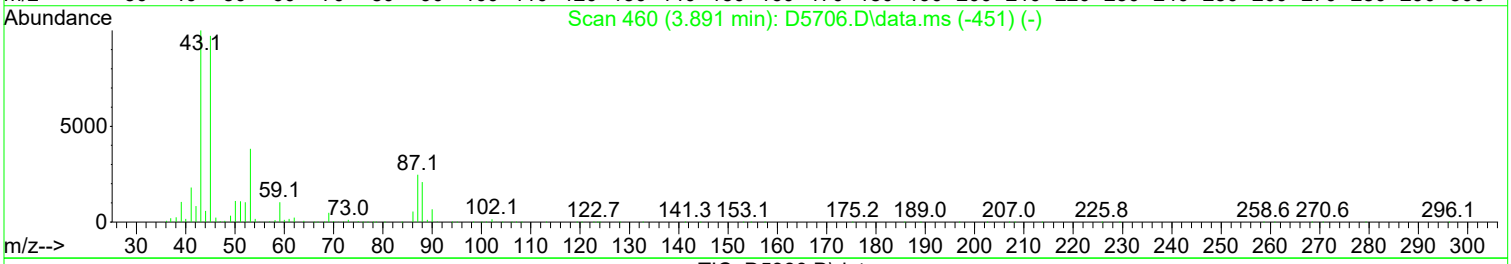
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5980.D
Acq On : 28 May 2024 04:17 pm
Operator : F.NAEGLER
Sample : 5 PPB STD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 29 09:04:45 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu May 16 14:56:42 2024
Response via : Initial Calibration







TIC: D5980.D\data.ms

(29) Vinyl Acetate

3.900min (+ 0.008) 4.63 ug/L m

response 1833

Ion	Exp%	Act%
86.10	100.00	100.00
43.10	1840.50	2269.61#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

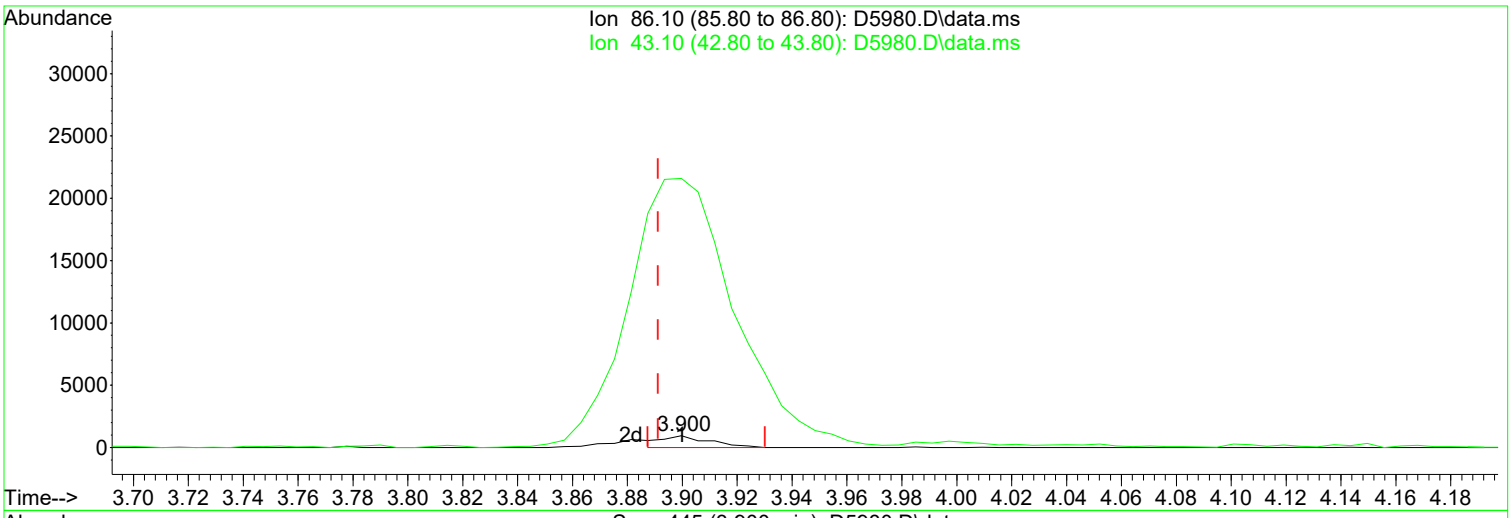
Poor integration.

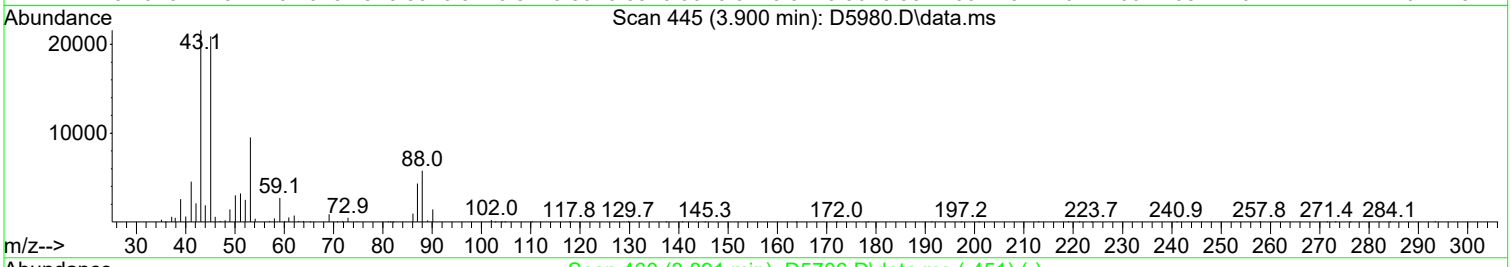
05/29/24

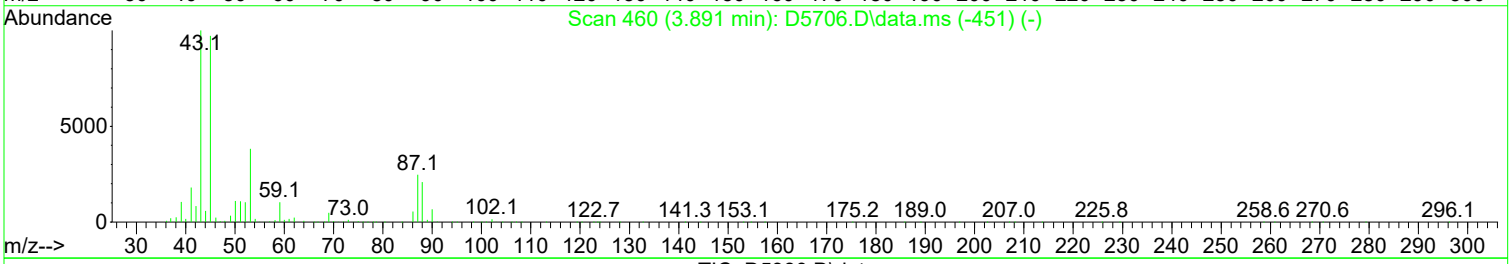
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5980.D
Acq On : 28 May 2024 04:17 pm
Operator : F.NAEGLER
Sample : 5 PPB STD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 29 09:04:45 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu May 16 14:56:42 2024
Response via : Initial Calibration







TIC: D5980.D\data.ms

(29) Vinyl Acetate

3.900min (+ 0.008) 2.82 ug/L

response 1115

Ion	Exp%	Act%
86.10	100.00	100.00
43.10	1840.50	2269.61#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

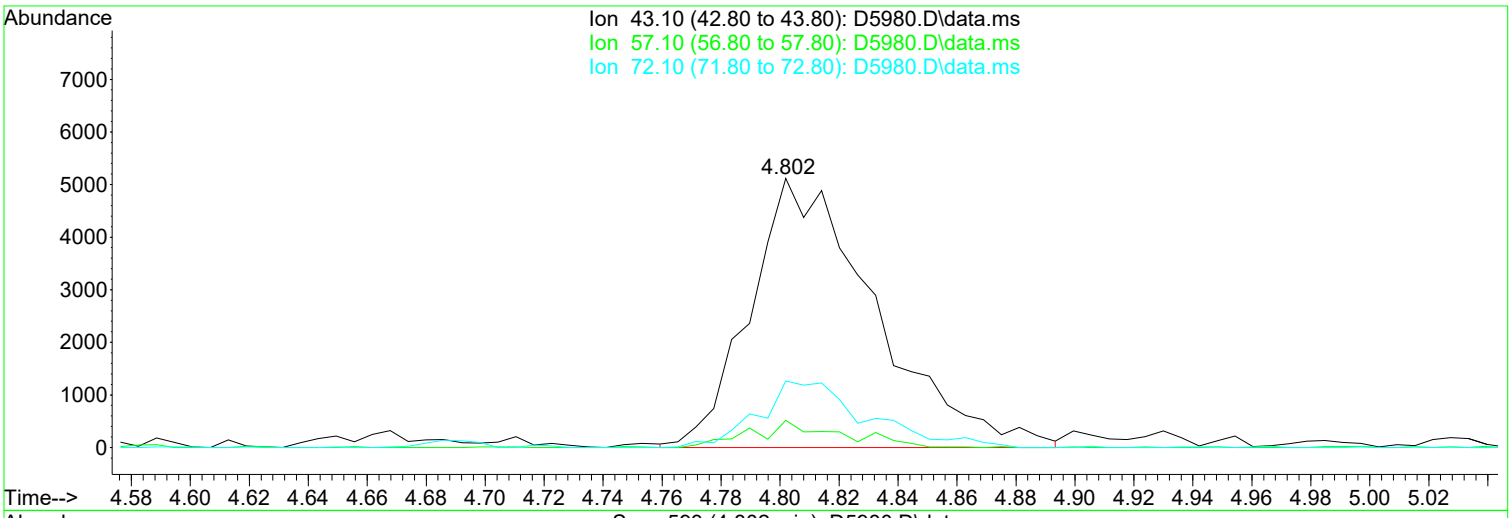
Before

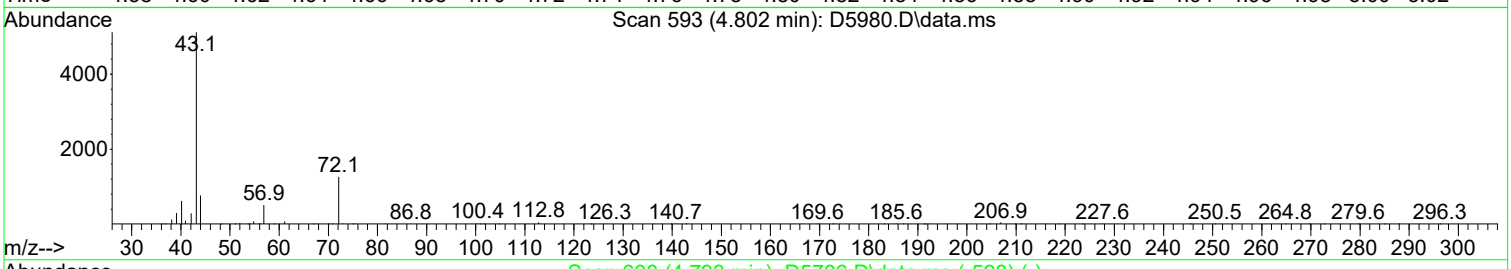
05/29/24

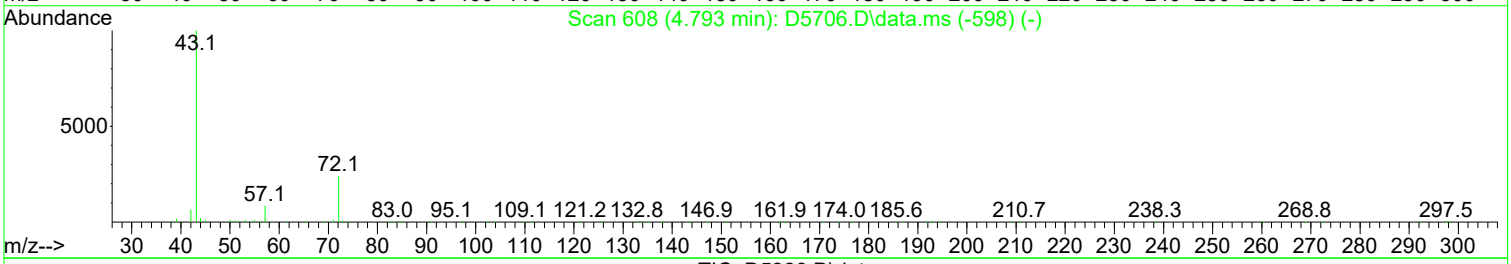
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5980.D
Acq On : 28 May 2024 04:17 pm
Operator : F.NAEGLER
Sample : 5 PPB STD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 29 09:04:45 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu May 16 14:56:42 2024
Response via : Initial Calibration







TIC: D5980.D\data.ms

(35) 2-Butanone (P)

4.802min (+ 0.008) 6.98 ug/L m

response 15059

Ion	Exp%	Act%
43.10	100.00	100.00
57.10	8.70	10.05
72.10	24.00	24.67
0.00	0.00	0.00

Manual Integration:

After

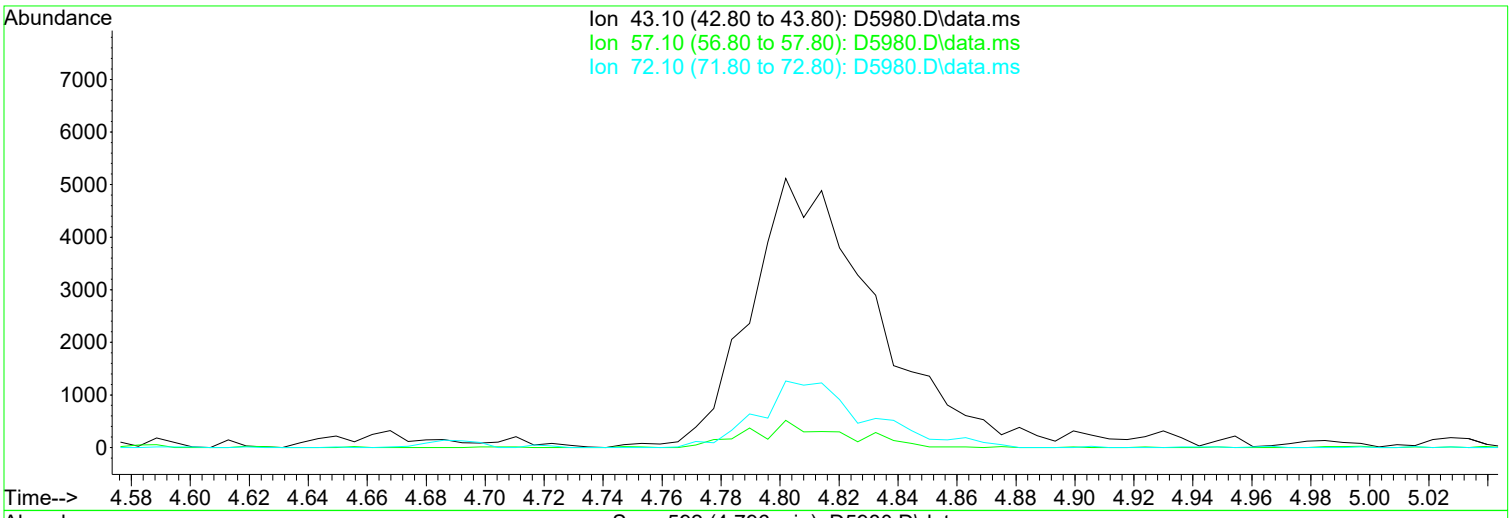
Peak not found.

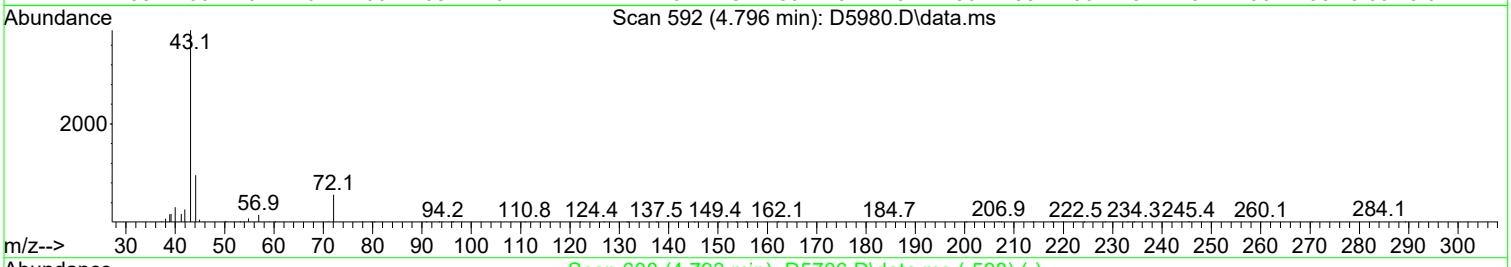
05/29/24

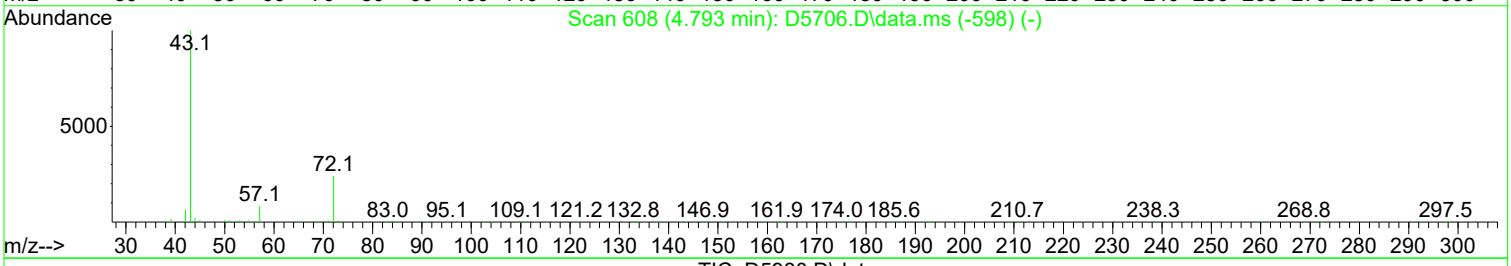
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5980.D
Acq On : 28 May 2024 04:17 pm
Operator : F.NAEGLER
Sample : 5 PPB STD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 29 09:04:45 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu May 16 14:56:42 2024
Response via : Initial Calibration







TIC: D5980.D\data.ms

(35) 2-Butanone (P)

4.793min (-4.793) 0.00 ug/L

response 0

Ion	Exp%	Act%
43.10	100.00	0.00
57.10	8.70	0.00
72.10	24.00	0.00#
0.00	0.00	0.00

Manual Integration:

Before

05/29/24

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5980.D
Acq On : 28 May 2024 04:17 pm
Operator : F.NAEGLER
Sample : 5 PPB STD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 29 09:04:45 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu May 16 14:56:42 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.698	168	406769	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	6.741	114	557441	50.00	ug/L	0.00
71) d5-Chlorobenzene	9.984	117	500614	50.00	ug/L	0.00
91) 1,4-Dichlorobenzene-d4	12.020	152	265947	50.00	ug/L	0.00
System Monitoring Compounds						
44) surr4,Dibrflmethane	5.576	113	39890	13.06	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 26.12%#			
47) surr1,1,2-dichloroetha...	6.088	65	49745	14.31	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 28.62%#			
65) SURR3,Toluene-d8	8.508	98	156705	13.20	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 26.40%#			
70) SURR2,BFB	11.045	95	57407	12.59	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 25.18%#			
Target Compounds						Qvalue
2) Chlorodifluoromethane	1.254	51	21838	6.021	ug/L	96
3) Dichlorodifluoromethane	1.242	85	19011	4.709	ug/L	93
4) Chloromethane	1.382	50	25674	4.524	ug/L	86
5) Vinyl Chloride	1.461	62	22575	5.858	ug/L	99
6) Bromomethane	1.699	94	13875	5.950	ug/L	97
7) Chloroethane	1.784	64	16543	6.138	ug/L	90
8) Freon 21	1.949	67	29768	5.607	ug/L	99
9) Trichlorofluoromethane	1.985	101	23802	5.280	ug/L	92
10) Diethyl Ether	2.241	59	16490	5.972	ug/L	97
11) Freon 123a	2.254	67	18118	5.687	ug/L	91
12) Freon 123	2.315	83	21812	5.740	ug/L	99
13) Acrolein	2.369	56	24511	31.638	ug/L	97
14) 1,1-Diclethene	2.449	96	14068	5.135	ug/L	94
15) Freon 113	2.443	101	14602	5.436	ug/L	90
16) Acetone	2.528	43	13187	7.846	ug/L	88
17) 2-Propanol	2.674	45	39569	115.050	ug/L	96
18) Iodomethane	2.595	142	7303	2.364	ug/L	99
19) Carbon Disulfide	2.644	76	44806	5.973	ug/L	98
20) Acetonitrile	2.808	41	29769m	33.942	ug/L	
21) Allyl Chloride	2.802	76	7915	4.653	ug/L #	73
22) Methyl Acetate	2.845	43	28323	6.516	ug/L	87
23) Methylene Chloride	2.942	84	16714	5.426	ug/L #	88
24) TBA	3.107	59	58794	104.069	ug/L	91
25) Acrylonitrile	3.247	53	48101	30.506	ug/L	99
26) Methyl-t-Butyl Ether	3.260	73	51874	5.211	ug/L	97
27) trans-1,2-Dichloroethene	3.241	96	15330	5.170	ug/L	93
28) 1,1-Diclethane	3.784	63	29711	5.631	ug/L	98
29) Vinyl Acetate	3.900	86	1833m	4.633	ug/L	
30) DIPE	3.906	45	61353	6.184	ug/L	90
31) 2-Chloro-1,3-Butadiene	3.912	53	29950	6.059	ug/L	88
32) ETBE	4.467	59	52486	5.340	ug/L	87
33) 2,2-Dichloropropane	4.674	77	20790	4.855	ug/L	93
34) cis-1,2-Dichloroethene	4.698	96	17946	5.291	ug/L	88
35) 2-Butanone	4.802	43	15059m	6.981	ug/L	
36) Propionitrile	4.918	54	20351	29.879	ug/L	85
37) Bromochloromethane	5.125	130	11596	4.902	ug/L #	67
38) Methacrylonitrile	5.174	67	8939	5.252	ug/L #	77
39) Tetrahydrofuran	5.271	42	8111	5.858	ug/L	88
40) Chloroform	5.302	83	27757	5.332	ug/L	96

1st FNJ 05/29/24
2nd 05/29/24

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5980.D
Acq On : 28 May 2024 04:17 pm
Operator : F.NAEGLER
Sample : 5 PPB STD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 29 09:04:45 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu May 16 14:56:42 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) 1,1,1-Trichloroethane	5.552	97	23770	5.182	ug/L		90
43) Cyclohexane	5.607	41	18554	6.438	ug/L		93
45) Carbontetrachloride	5.802	117	17848	3.819	ug/L		96
46) 1,1-Dichloropropene	5.826	75	20996	5.165	ug/L		94
48) Benzene	6.137	78	61798	5.161	ug/L		95
49) 1,2-Dichloroethane	6.204	62	24637	5.309	ug/L		98
50) Iso-Butyl Alcohol	6.204	43	20974	84.900	ug/L		94
51) TAME	6.363	73	45161	4.732	ug/L		92
52) n-Heptane	6.564	43	22532	6.514	ug/L		91
53) 1-Butanol	7.131	56	25071	158.791	ug/L		96
54) Trichloroethene	7.045	130	16952	4.771	ug/L		96
55) Methylcyclohexane	7.253	55	24079	6.243	ug/L		89
56) 1,2-Diclpropane	7.344	63	17694	5.491	ug/L		94
57) Dibromomethane	7.478	93	10334	4.763	ug/L	#	81
58) 1,4-Dioxane	7.564	88	5971	90.460	ug/L		97
59) Methyl Methacrylate	7.557	69	11589	4.050	ug/L	#	79
60) Bromodichloromethane	7.704	83	20210	4.643	ug/L		98
61) 2-Nitropropane	8.002	41	9203	6.632	ug/L	#	66
62) 2-Chloroethylvinyl Ether	8.100	63	10201	4.530	ug/L		89
63) cis-1,3-Dichloropropene	8.234	75	22103	4.391	ug/L		99
64) 4-Methyl-2-pentanone	8.448	43	25888	5.638	ug/L		90
66) Toluene	8.582	91	68523	5.120	ug/L		95
67) trans-1,3-Dichloropropene	8.862	75	18930	4.055	ug/L		96
68) Ethyl Methacrylate	8.984	69	22748	4.418	ug/L		85
69) 1,1,2-Trichloroethane	9.051	97	15055	4.599	ug/L		93
72) Tetrachloroethene	9.155	164	13515	4.558	ug/L	#	78
73) 2-Hexanone	9.338	43	19866	5.834	ug/L		86
74) 1,3-Dichloropropane	9.216	76	24121	4.792	ug/L	#	78
75) Dibromochloromethane	9.435	129	15047	3.958	ug/L		92
76) N-Butyl Acetate	9.472	43	37548	5.727	ug/L		94
77) 1,2-Dibromoethane	9.533	107	14618	4.729	ug/L		98
78) 3-Chlorobenzotrifluoride	10.020	180	26219	4.570	ug/L		97
79) Chlorobenzene	10.008	112	46774	4.943	ug/L		97
80) 4-Chlorobenzotrifluoride	10.069	180	23383	4.515	ug/L		95
81) 1,1,1,2-Tetrachloroethane	10.100	131	14978	4.138	ug/L		93
82) Ethylbenzene	10.118	106	24170	5.028	ug/L		91
83) (m+p)Xylene	10.228	106	58797	9.764	ug/L		98
84) o-Xylene	10.587	106	28338	4.869	ug/L	#	83
85) Styrene	10.606	104	47587	4.689	ug/L		95
86) Bromoform	10.764	173	9369	3.462	ug/L		99
87) 2-Chlorobenzotrifluoride	10.837	180	25782	4.624	ug/L		98
88) Isopropylbenzene	10.917	105	73964	4.982	ug/L		93
89) Cyclohexanone	11.008	55	92166	116.553	ug/L		89
90) trans-1,4-Dichloro-2-B...	11.240	53	7281	5.152	ug/L	#	63
92) 1,1,2,2-Tetrachloroethane	11.197	83	23255	5.418	ug/L		87
93) Bromobenzene	11.173	156	21179	5.022	ug/L		94
94) 1,2,3-Trichloropropane	11.227	110	7292	5.154	ug/L		96
95) n-Propylbenzene	11.270	91	82821	5.224	ug/L		96
96) 2-Chlorotoluene	11.337	91	51460	5.289	ug/L		98
97) 3-Chlorotoluene	11.392	91	52078	5.250	ug/L		97
98) 4-Chlorotoluene	11.435	91	58714	5.366	ug/L		97
99) 1,3,5-Trimethylbenzene	11.416	105	61411	5.146	ug/L		98
100) tert-Butylbenzene	11.691	119	53160	5.190	ug/L		95
101) 1,2,4-Trimethylbenzene	11.733	105	61125	5.054	ug/L		98
102) 3,4-Dichlorobenzotrifl...	11.794	214	21203	4.884	ug/L		96
103) sec-Butylbenzene	11.874	105	73839	5.241	ug/L		95

1st FW 05/29/24
2nd WR 05/29/24

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5980.D
Acq On : 28 May 2024 04:17 pm
Operator : F.NAEGLER
Sample : 5 PPB STD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 29 09:04:45 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu May 16 14:56:42 2024
Response via : Initial Calibration

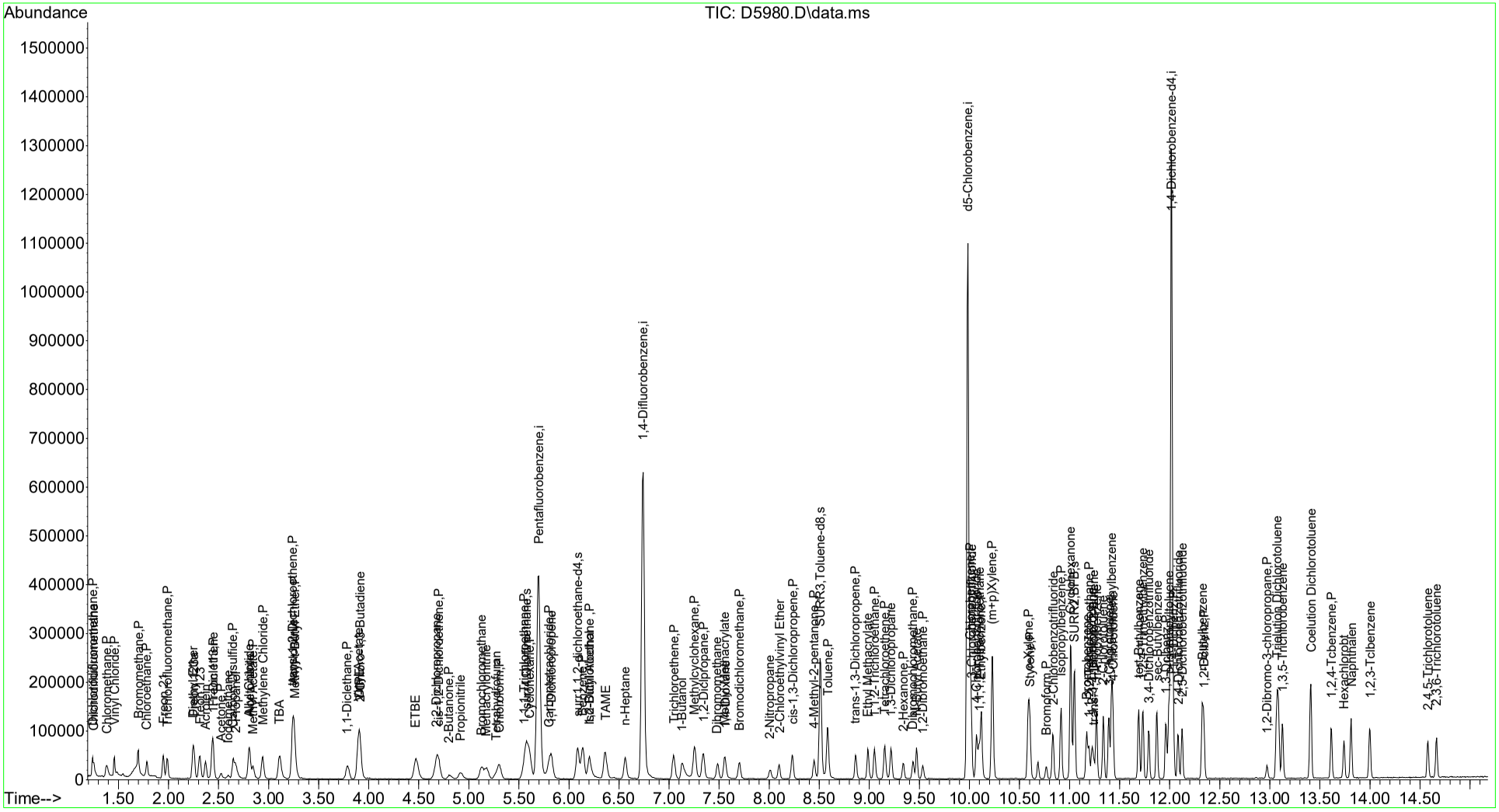
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) p-Isopropyltoluene	11.990	119	64324	5.015	ug/L	97
105) 1,3-Dclbenz	11.965	146	35697	4.746	ug/L	98
106) 1,4-Dclbenz	12.038	146	38733	4.990	ug/L	93
107) 2,4-Dichlorobenzotrifl...	12.087	214	19254	4.812	ug/L	96
108) 2,5-Dichlorobenzotrifl...	12.124	214	22412	4.992	ug/L	92
109) n-Butylbenzene	12.325	91	53222	5.188	ug/L	99
110) 1,2-Dclbenz	12.343	146	37420	4.788	ug/L	99
111) 1,2-Dibromo-3-chloropr...	12.971	157	5336	4.212	ug/L	96
112) Trielution Dichlorotol...	13.075	125	85928	13.888	ug/L	98
113) 1,3,5-Trichlorobenzene	13.123	180	28043	4.679	ug/L	95
114) Coelution Dichlorotoluene	13.410	125	63244	9.177	ug/L	98
115) 1,2,4-Tcbenzene	13.617	180	25523	4.361	ug/L	94
116) Hexachlorobt	13.739	225	11660	4.442	ug/L	95
117) Naphthalen	13.812	128	73722	4.544	ug/L	97
118) 1,2,3-Tclbenzene	14.001	180	25996	4.481	ug/L	97
119) 2,4,5-Trichlorotoluene	14.580	159	15525	4.088	ug/L	96
120) 2,3,6-Trichlorotoluene	14.666	159	15359	4.414	ug/L	95

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5980.D
Acq On : 28 May 2024 04:17 pm
Operator : F.NAEGLER
Sample : 5 PPB STD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 29 09:04:45 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu May 16 14:56:42 2024
Response via : Initial Calibration

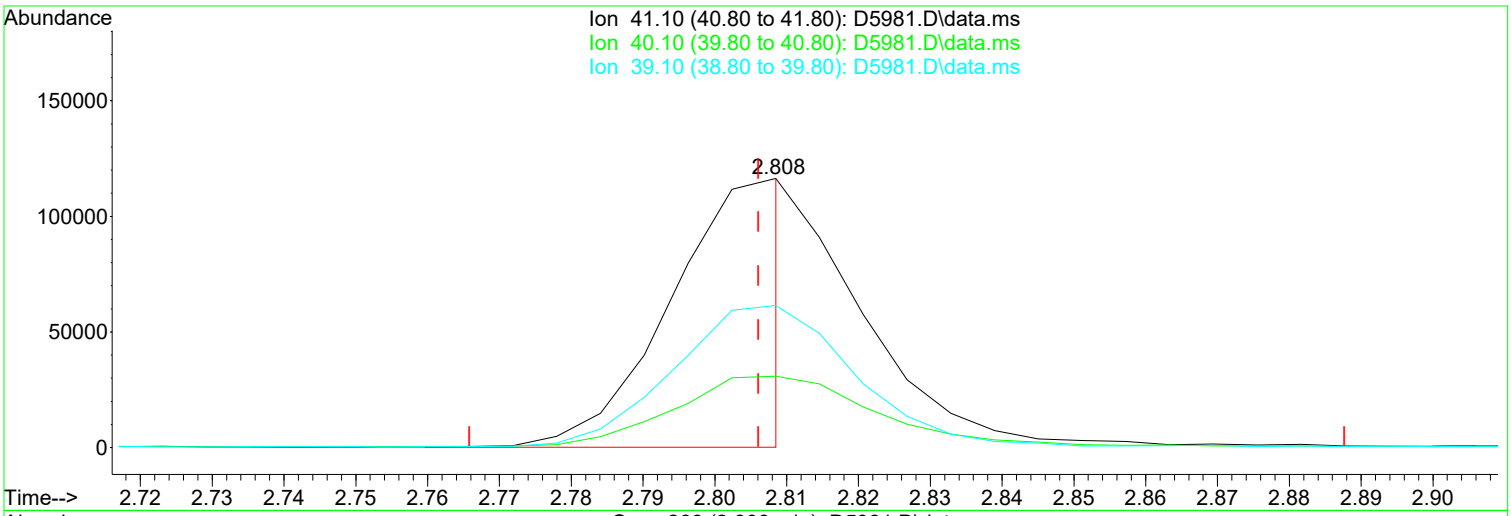


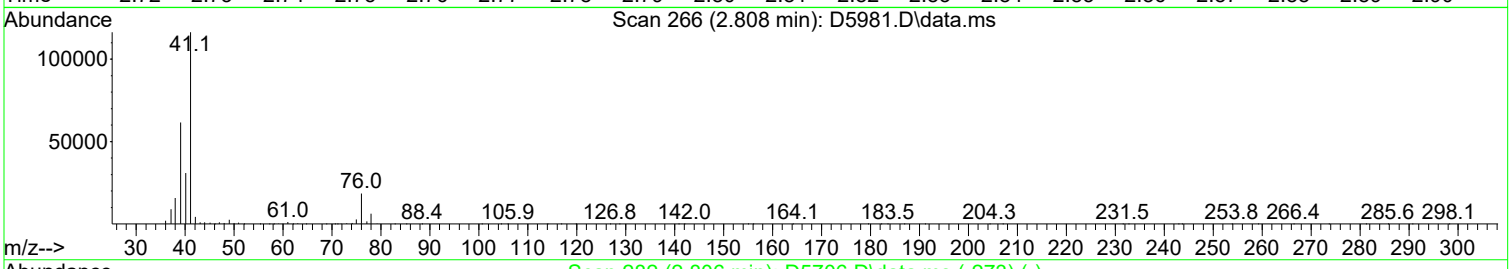
1st 05/29/24
2nd 05/29/24

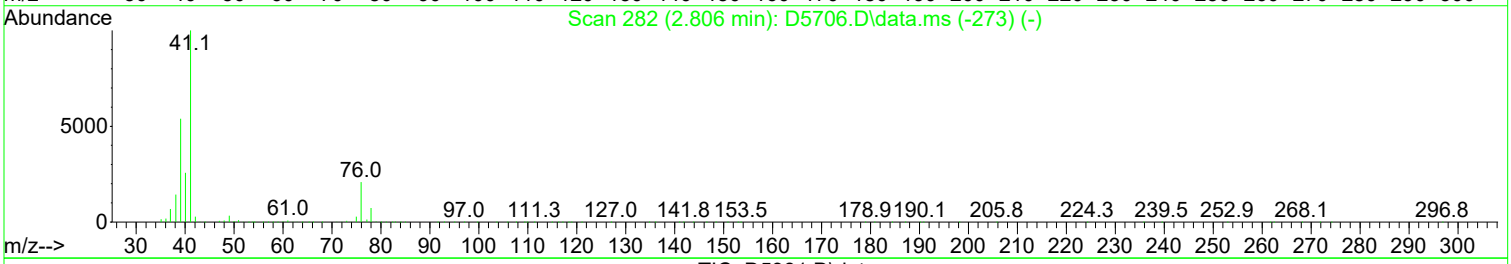
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5981.D
Acq On : 28 May 2024 04:39 pm
Operator : F.NAEGLER
Sample : 20 PPB STD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 29 09:07:39 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu May 16 14:56:42 2024
Response via : Initial Calibration







TIC: D5981.D\data.ms

(20) Acetonitrile

2.808min (+ 0.002) 149.26 ug/L m

response 134408

Ion	Exp%	Act%
41.10	100.00	100.00
40.10	26.00	26.58
39.10	54.00	52.87
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

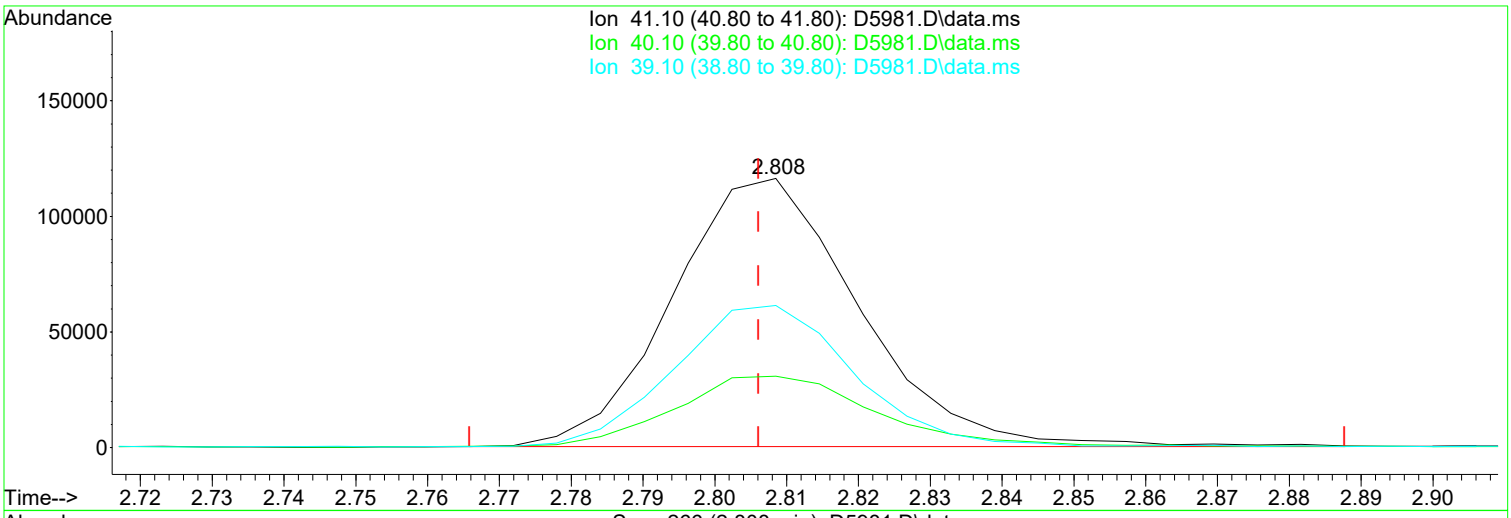
05/29/24

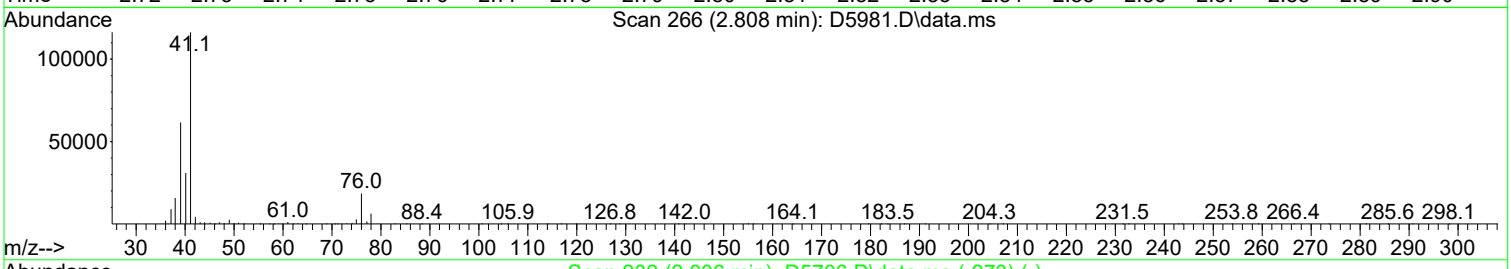
1st FN 05/29/24
2nd 05/29/24

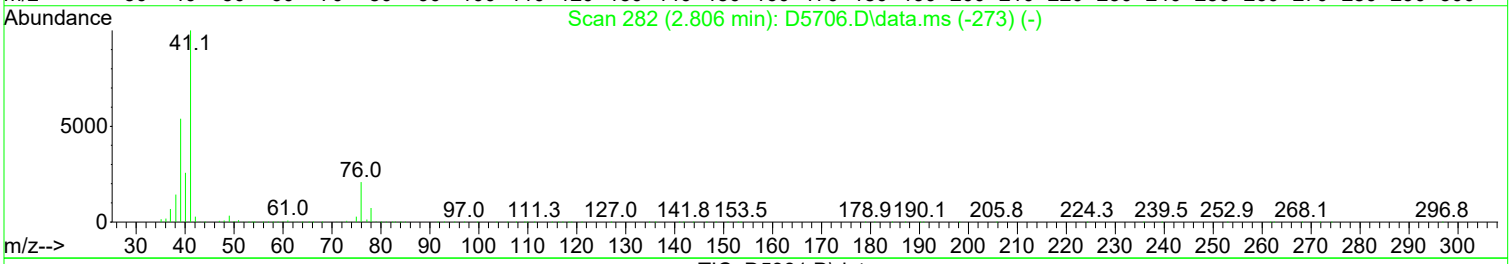
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5981.D
Acq On : 28 May 2024 04:39 pm
Operator : F.NAEGLER
Sample : 20 PPB STD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 29 09:07:39 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu May 16 14:56:42 2024
Response via : Initial Calibration







TIC: D5981.D\data.ms

(20) Acetonitrile

2.808min (+ 0.002) 233.92 ug/L

response 210648

Ion	Exp%	Act%
41.10	100.00	100.00
40.10	26.00	26.58
39.10	54.00	52.87
0.00	0.00	0.00

Manual Integration:

Before

05/29/24

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5981.D
Acq On : 28 May 2024 04:39 pm
Operator : F.NAEGLER
Sample : 20 PPB STD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 29 09:07:39 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu May 16 14:56:42 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.698	168	417648	50.00	ug/L		0.00
42) 1,4-Difluorobenzene	6.741	114	575063	50.00	ug/L		0.00
71) d5-Chlorobenzene	9.984	117	501110	50.00	ug/L		0.00
91) 1,4-Dichlorobenzene-d4	12.014	152	270028	50.00	ug/L		0.00
System Monitoring Compounds							
44) surr4,Dibrflmethane	5.576	113	65098	20.67	ug/L		0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 41.34%#				
47) surr1,1,2-dichloroetha...	6.088	65	80761	22.52	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 45.04%#				
65) SURR3,Toluene-d8	8.509	98	256823	20.97	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 41.94%#				
70) SURR2,BFB	11.045	95	92434	19.65	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 39.30%#				
Target Compounds							Qvalue
2) Chlorodifluoromethane	1.254	51	83912	22.532	ug/L		99
3) Dichlorodifluoromethane	1.242	85	86543	20.877	ug/L		97
4) Chloromethane	1.382	50	108337	18.594	ug/L		97
5) Vinyl Chloride	1.461	62	91240	23.059	ug/L		100
6) Bromomethane	1.705	94	45892	19.166	ug/L		94
7) Chloroethane	1.790	64	64882	23.447	ug/L		97
8) Freon 21	1.949	67	119477	21.916	ug/L		99
9) Trichlorofluoromethane	1.992	101	93853	20.279	ug/L		98
10) Diethyl Ether	2.241	59	66524	23.464	ug/L		91
11) Freon 123a	2.254	67	68504	20.943	ug/L		83
12) Freon 123	2.315	83	83087	21.295	ug/L		97
13) Acrolein	2.370	56	102782	129.210	ug/L		99
14) 1,1-Diclethene	2.443	96	56399	20.049	ug/L	#	81
15) Freon 113	2.443	101	54110	19.618	ug/L		98
16) Acetone	2.522	43	45024	26.091	ug/L		97
17) 2-Propanol	2.668	45	163679	463.515	ug/L		98
18) Iodomethane	2.595	142	75813	23.898	ug/L		94
19) Carbon Disulfide	2.650	76	177772	23.081	ug/L		98
20) Acetonitrile	2.808	41	134408m	149.258	ug/L		
21) Allyl Chloride	2.808	76	33551	19.209	ug/L	#	47
22) Methyl Acetate	2.845	43	109211	24.470	ug/L		92
23) Methylene Chloride	2.943	84	65134	20.593	ug/L	#	82
24) TBA	3.101	59	241855	416.949	ug/L		88
25) Acrylonitrile	3.247	53	206365	127.470	ug/L		100
26) Methyl-t-Butyl Ether	3.253	73	216248	21.158	ug/L		96
27) trans-1,2-Dichloroethene	3.241	96	62327	20.474	ug/L		89
28) 1,1-Diclethane	3.790	63	125895	23.239	ug/L		97
29) Vinyl Acetate	3.894	86	10109	24.886	ug/L	#	56
30) DIPE	3.906	45	267726	26.281	ug/L		90
31) 2-Chloro-1,3-Butadiene	3.912	53	122717	24.179	ug/L		87
32) ETBE	4.473	59	221775	21.977	ug/L		97
33) 2,2-Dichloropropane	4.674	77	89145	20.274	ug/L		96
34) cis-1,2-Dichloroethene	4.698	96	70051	20.114	ug/L		93
35) 2-Butanone	4.796	43	56087	25.325	ug/L		91
36) Propionitrile	4.912	54	84025	120.153	ug/L		99
37) Bromochloromethane	5.125	130	45930	18.911	ug/L	#	72
38) Methacrylonitrile	5.174	67	35690	20.421	ug/L	#	65
39) Tetrahydrofuran	5.259	42	34788	24.469	ug/L		89
40) Chloroform	5.308	83	114279	21.381	ug/L		97

1st FNJ 05/29/24
2nd 05/29/24

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5981.D
Acq On : 28 May 2024 04:39 pm
Operator : F.NAEGLER
Sample : 20 PPB STD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 29 09:07:39 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu May 16 14:56:42 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) 1,1,1-Trichloroethane	5.552	97	90862	19.294	ug/L		99
43) Cyclohexane	5.607	41	71263	23.971	ug/L		92
45) Carbontetrachloride	5.802	117	71810	14.897	ug/L		96
46) 1,1-Dichloropropene	5.826	75	79478	18.952	ug/L		96
48) Benzene	6.137	78	253040	20.483	ug/L		94
49) 1,2-Dichloroethane	6.198	62	101951	21.297	ug/L		97
50) Iso-Butyl Alcohol	6.204	43	93710	367.700	ug/L		96
51) TAME	6.357	73	186384	18.929	ug/L		91
52) n-Heptane	6.564	43	92692	25.976	ug/L		93
53) 1-Butanol	7.119	56	130329	800.165	ug/L		89
54) Trichloroethene	7.045	130	66995	18.277	ug/L		95
55) Methylcyclohexane	7.253	55	89198	22.416	ug/L		88
56) 1,2-Diclpropane	7.344	63	73561	22.130	ug/L		98
57) Dibromomethane	7.484	93	42068	18.794	ug/L		95
58) 1,4-Dioxane	7.558	88	25465	373.971	ug/L		100
59) Methyl Methacrylate	7.558	69	55327	18.744	ug/L	#	83
60) Bromodichloromethane	7.704	83	86364	19.233	ug/L		97
61) 2-Nitropropane	8.009	41	41183	28.770	ug/L		99
62) 2-Chloroethylvinyl Ether	8.100	63	45421	19.554	ug/L		95
63) cis-1,3-Dichloropropene	8.228	75	96761	18.633	ug/L		98
64) 4-Methyl-2-pentanone	8.448	43	114541	24.182	ug/L		90
66) Toluene	8.582	91	276699	20.042	ug/L		96
67) trans-1,3-Dichloropropene	8.862	75	84048	17.453	ug/L		94
68) Ethyl Methacrylate	8.984	69	97726	18.400	ug/L		77
69) 1,1,2-Trichloroethane	9.051	97	65420	19.371	ug/L		95
72) Tetrachloroethene	9.155	164	52722	17.764	ug/L		89
73) 2-Hexanone	9.338	43	78743	23.100	ug/L		95
74) 1,3-Dichloropropane	9.216	76	104119	20.665	ug/L		87
75) Dibromochloromethane	9.435	129	64112	16.847	ug/L		92
76) N-Butyl Acetate	9.472	43	159004	24.228	ug/L		96
77) 1,2-Dibromoethane	9.533	107	58159	18.796	ug/L		100
78) 3-Chlorobenzotrifluoride	10.020	180	104358	18.174	ug/L		96
79) Chlorobenzene	10.008	112	184675	19.499	ug/L		96
80) 4-Chlorobenzotrifluoride	10.069	180	93953	18.123	ug/L		98
81) 1,1,1,2-Tetrachloroethane	10.100	131	62066	17.130	ug/L		99
82) Ethylbenzene	10.118	106	93063	19.340	ug/L		96
83) (m+p)Xylene	10.228	106	238223	39.521	ug/L		93
84) o-Xylene	10.587	106	119156	20.452	ug/L		99
85) Styrene	10.600	104	200406	19.728	ug/L		97
86) Bromoform	10.770	173	41862	15.453	ug/L		89
87) 2-Chlorobenzotrifluoride	10.837	180	101694	18.220	ug/L		98
88) Isopropylbenzene	10.917	105	290356	19.540	ug/L		98
89) Cyclohexanone	11.008	55	369749	467.123	ug/L		90
90) trans-1,4-Dichloro-2-B...	11.240	53	27130	19.179	ug/L	#	74
92) 1,1,2,2-Tetrachloroethane	11.191	83	93331	21.415	ug/L		94
93) Bromobenzene	11.173	156	82634	19.299	ug/L		97
94) 1,2,3-Trichloropropane	11.228	110	28676	19.963	ug/L		96
95) n-Propylbenzene	11.270	91	342666	21.285	ug/L		97
96) 2-Chlorotoluene	11.337	91	210894	21.347	ug/L		97
97) 3-Chlorotoluene	11.392	91	217654	21.611	ug/L		99
98) 4-Chlorotoluene	11.429	91	235281	21.180	ug/L		93
99) 1,3,5-Trimethylbenzene	11.417	105	255700	21.104	ug/L		97
100) tert-Butylbenzene	11.691	119	209084	20.105	ug/L		99
101) 1,2,4-Trimethylbenzene	11.727	105	253491	20.642	ug/L		96
102) 3,4-Dichlorobenzotrifl...	11.795	214	82502	18.715	ug/L		99
103) sec-Butylbenzene	11.874	105	298527	20.870	ug/L		98

1st FJ 05/29/24
2nd 05/29/24

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5981.D
Acq On : 28 May 2024 04:39 pm
Operator : F.NAEGLER
Sample : 20 PPB STD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 29 09:07:39 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu May 16 14:56:42 2024
Response via : Initial Calibration

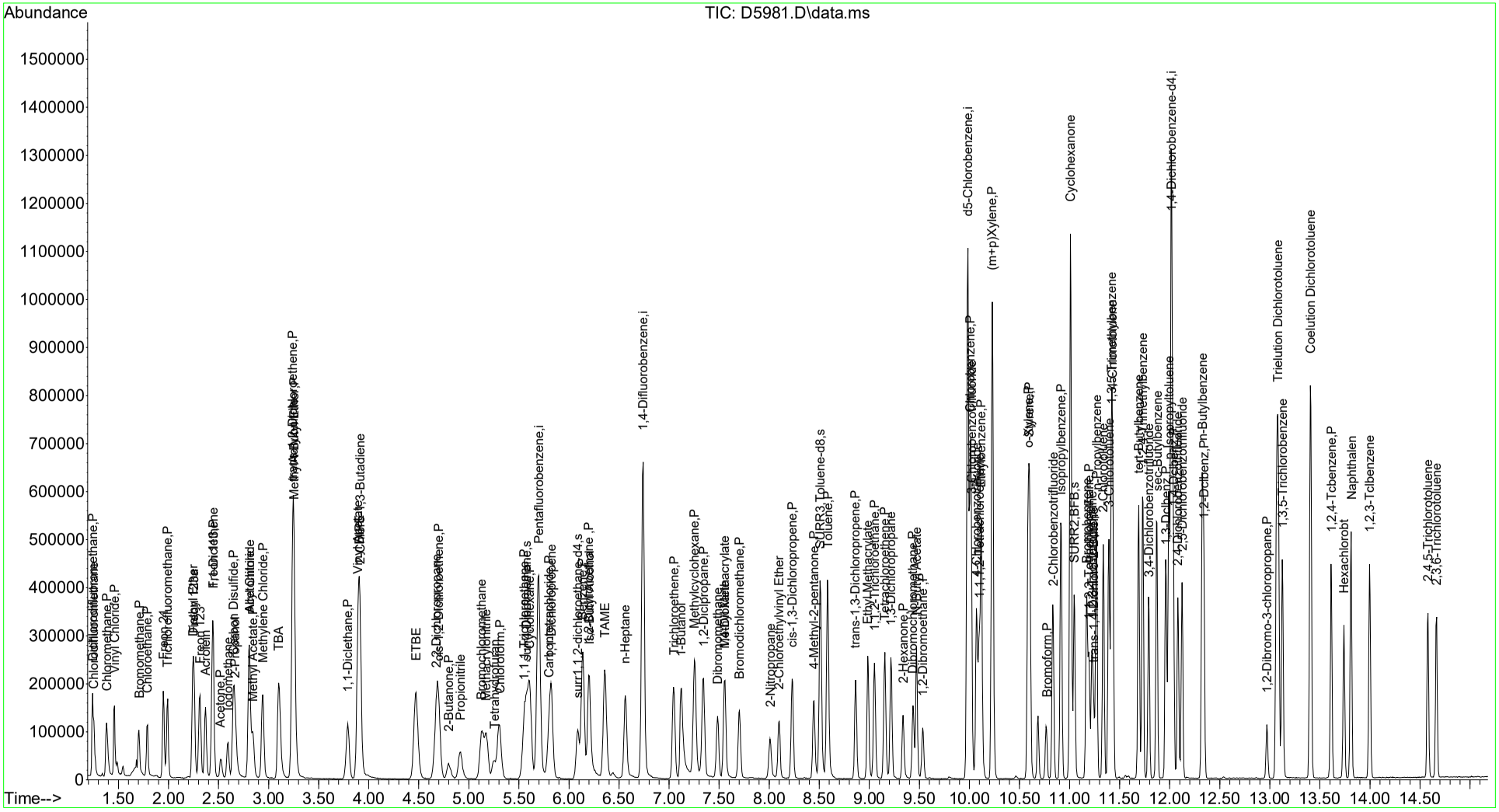
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) p-Isopropyltoluene	11.990	119	259259	19.908	ug/L	98
105) 1,3-Dclbenz	11.965	146	150510	19.710	ug/L	97
106) 1,4-Dclbenz	12.038	146	151219	19.186	ug/L	97
107) 2,4-Dichlorobenzotrifl...	12.081	214	74975	18.455	ug/L	97
108) 2,5-Dichlorobenzotrifl...	12.124	214	85086	18.665	ug/L	98
109) n-Butylbenzene	12.325	91	218648	20.993	ug/L	97
110) 1,2-Dclbenz	12.343	146	149910	18.893	ug/L	98
111) 1,2-Dibromo-3-chloropr...	12.971	157	22079	17.166	ug/L	93
112) Trielution Dichlorotol...	13.081	125	368317	58.628	ug/L	96
113) 1,3,5-Trichlorobenzene	13.124	180	114798	18.866	ug/L	94
114) Coelution Dichlorotoluene	13.404	125	272248	38.909	ug/L	94
115) 1,2,4-Tcbenzene	13.611	180	109708	18.460	ug/L	98
116) Hexachlorobt	13.739	225	48536	18.212	ug/L	97
117) Naphthalen	13.812	128	305838	18.565	ug/L	100
118) 1,2,3-Tclbenzene	13.995	180	110013	18.676	ug/L	96
119) 2,4,5-Trichlorotoluene	14.581	159	72153	18.711	ug/L	99
120) 2,3,6-Trichlorotoluene	14.666	159	62723	17.754	ug/L	96

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5981.D
Acq On : 28 May 2024 04:39 pm
Operator : F.NAEGLER
Sample : 20 PPB STD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 29 09:07:39 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu May 16 14:56:42 2024
Response via : Initial Calibration

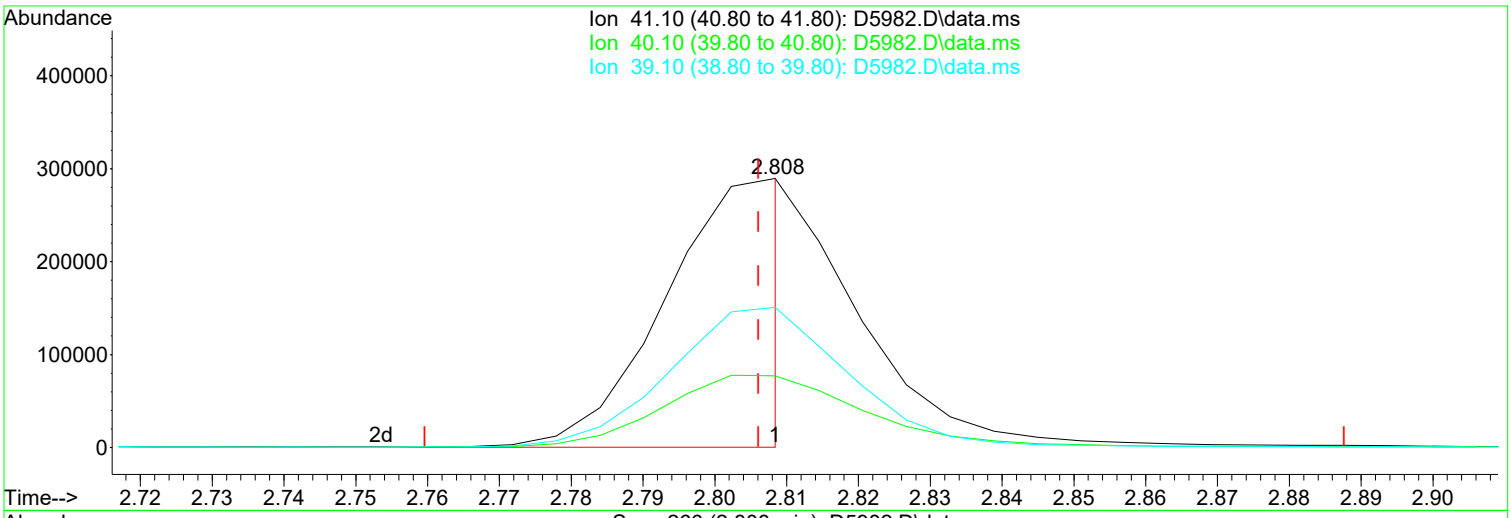


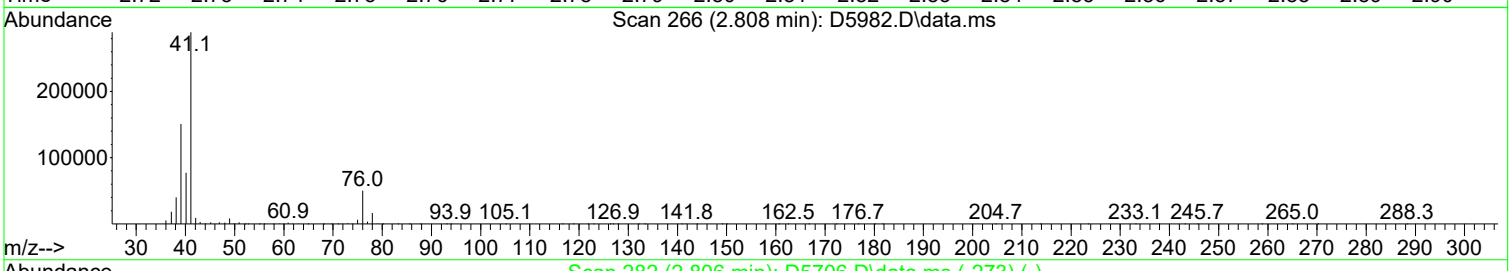
1st FJ 05/29/24
2nd 05/29/24

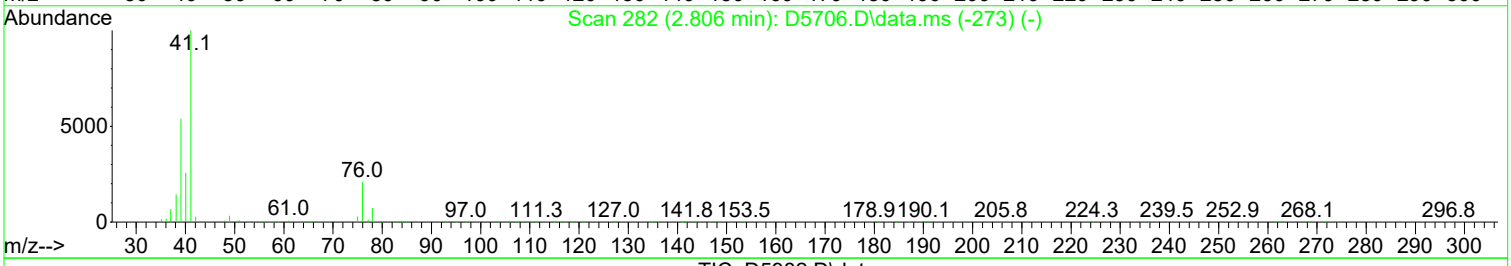
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5982.D
Acq On : 28 May 2024 05:02 pm
Operator : F.NAEGLER
Sample : 50 PPB STD
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 29 09:10:17 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu May 16 14:56:42 2024
Response via : Initial Calibration







TIC: D5982.D\data.ms

(20) Acetonitrile

2.808min (+ 0.002) 421.41 ug/L m

response 347477

Ion	Exp%	Act%
41.10	100.00	100.00
40.10	26.00	26.70
39.10	54.00	52.12
0.00	0.00	0.00

Manual Integration:

After

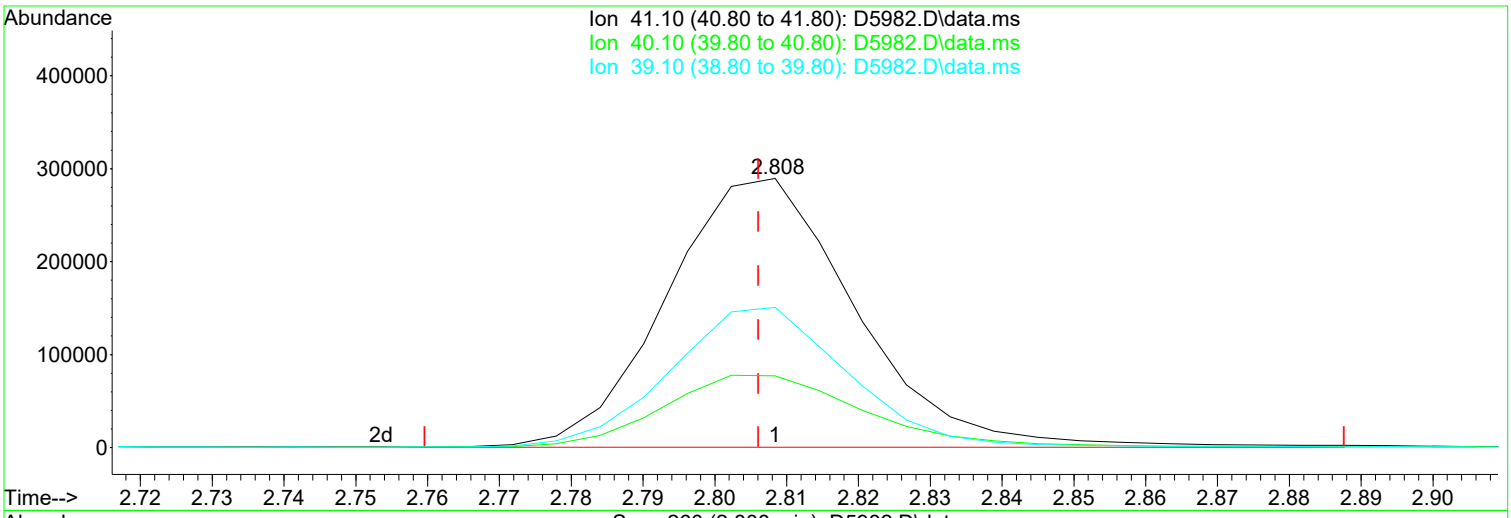
Poor integration.

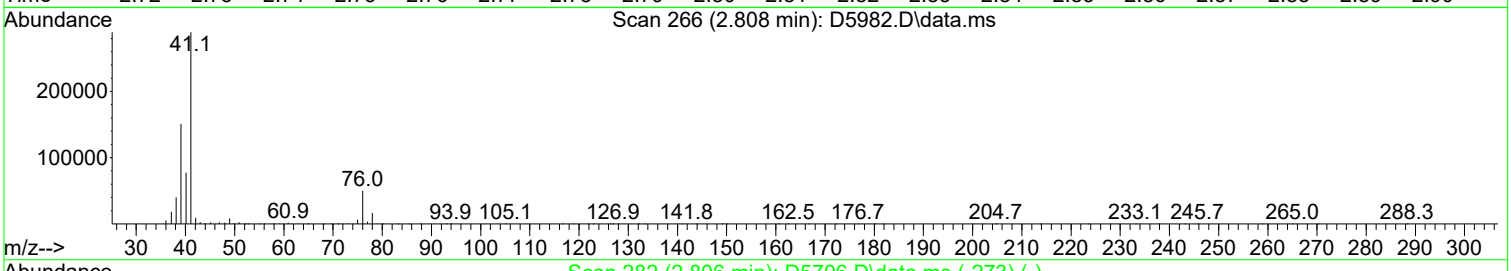
05/29/24

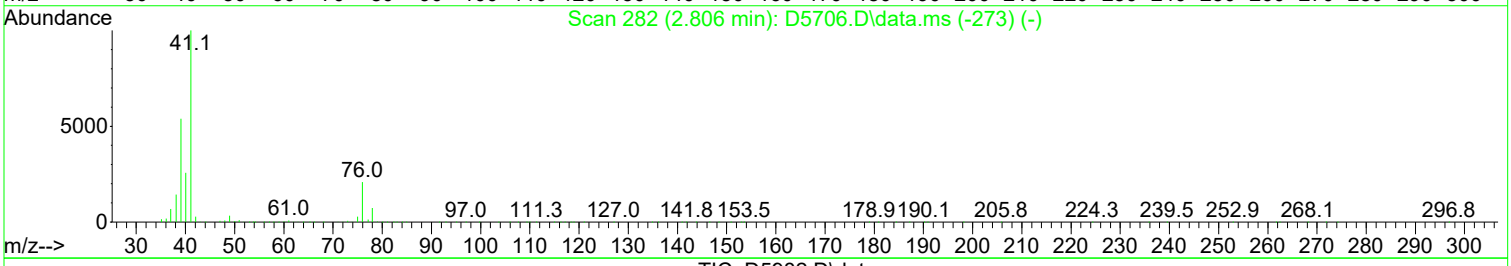
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5982.D
Acq On : 28 May 2024 05:02 pm
Operator : F.NAEGLER
Sample : 50 PPB STD
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 29 09:10:17 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu May 16 14:56:42 2024
Response via : Initial Calibration







TIC: D5982.D\data.ms

(20) Acetonitrile

2.808min (+ 0.002) 647.33 ug/L

response 533771

Ion	Exp%	Act%
41.10	100.00	100.00
40.10	26.00	26.70
39.10	54.00	52.12
0.00	0.00	0.00

Manual Integration:

Before

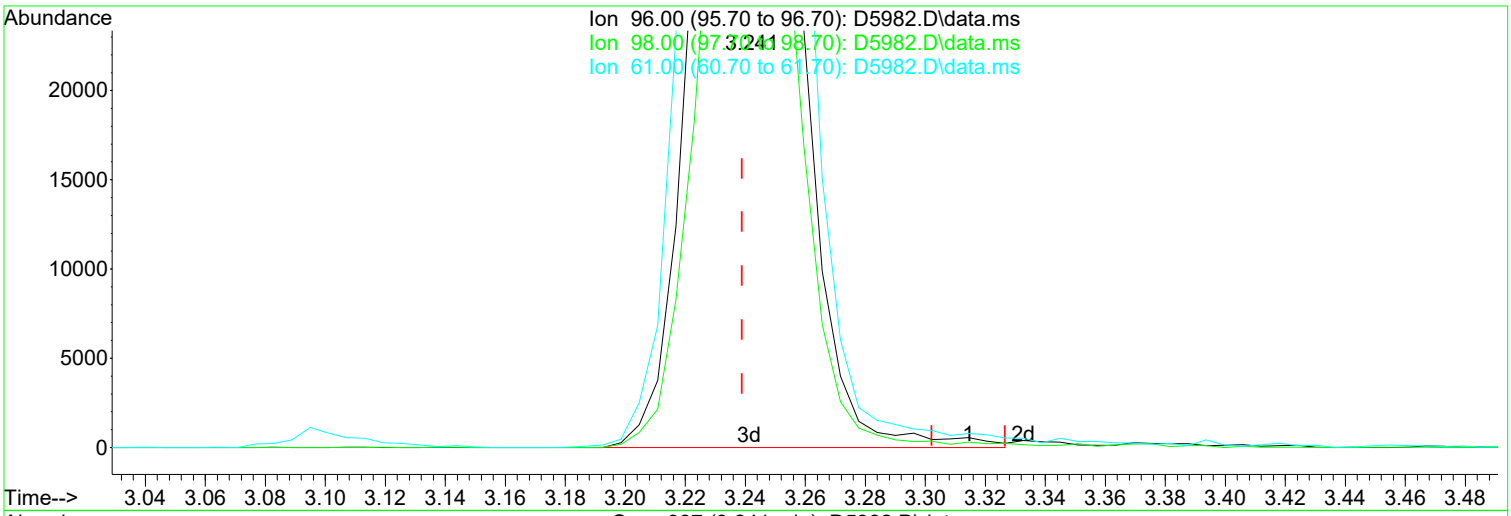
05/29/24

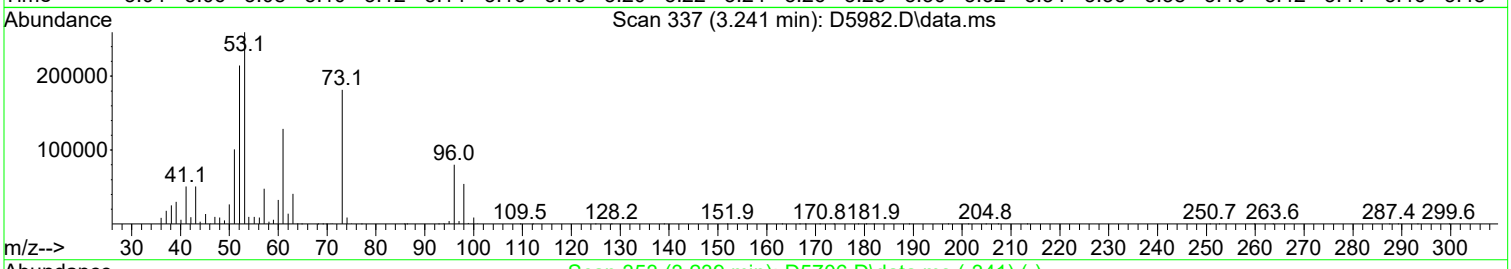
1st FN 05/29/24
2nd 05/29/24

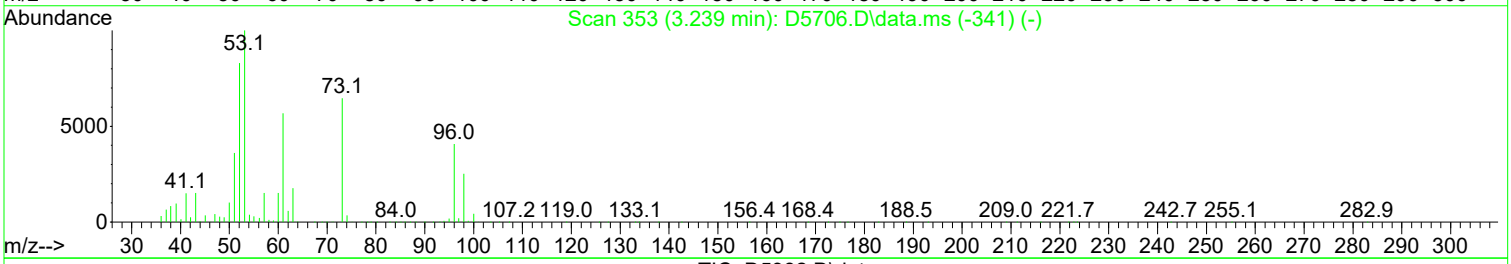
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5982.D
Acq On : 28 May 2024 05:02 pm
Operator : F.NAEGLER
Sample : 50 PPB STD
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 29 09:10:17 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu May 16 14:56:42 2024
Response via : Initial Calibration







TIC: D5982.D\data.ms

(27) trans-1,2-Dichloroethene (P)

3.241min (+ 0.002) 54.43 ug/L m

response 151726

Ion	Exp%	Act%
96.00	100.00	100.00
98.00	61.80	67.56
61.00	139.20	160.10#
0.00	0.00	0.00

Manual Integration:

After

Peak not found.

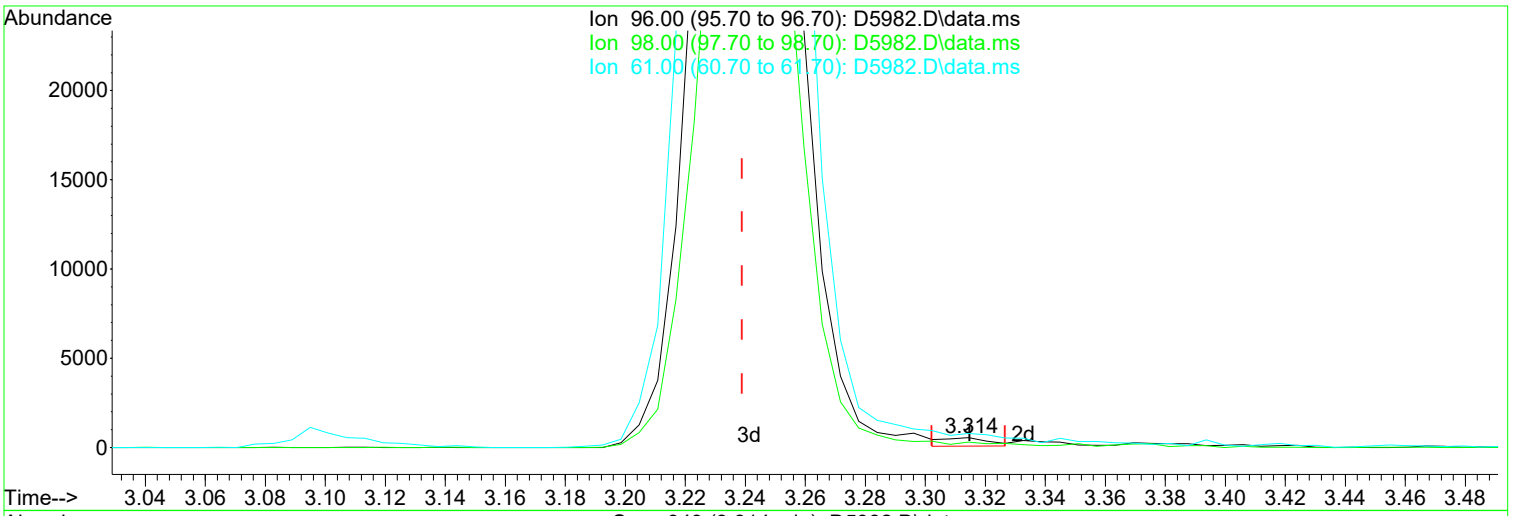
05/29/24

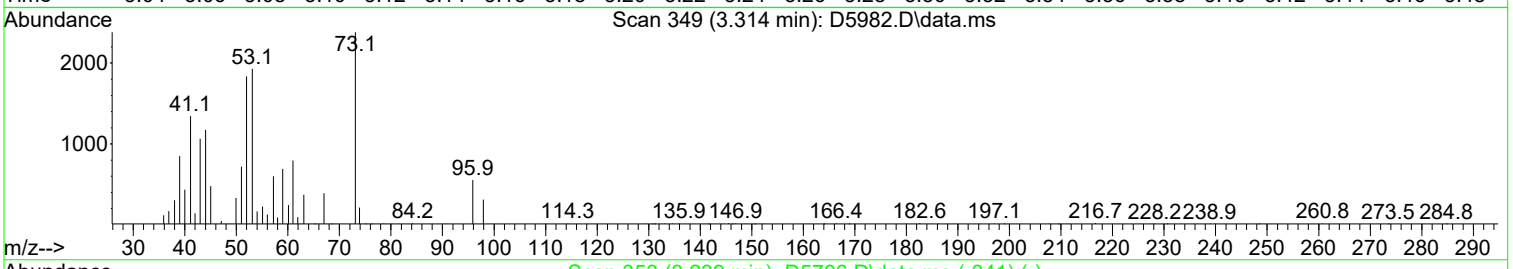
1st FN 05/29/24
2nd 05/29/24

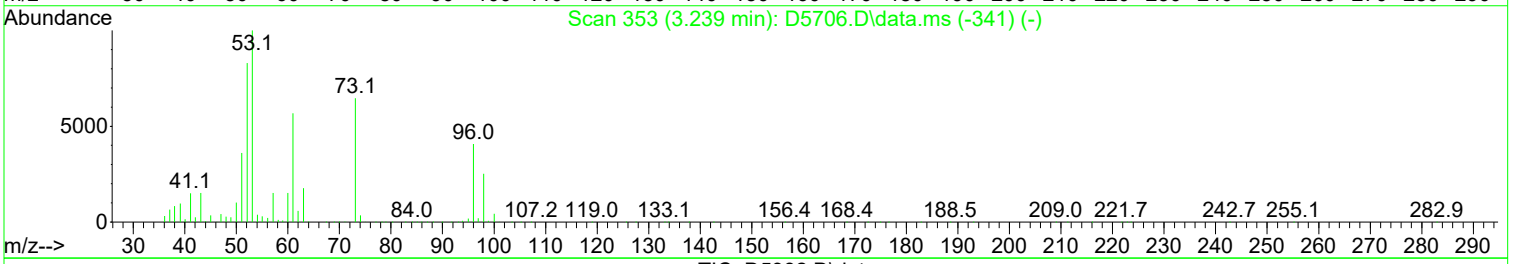
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5982.D
Acq On : 28 May 2024 05:02 pm
Operator : F.NAEGLER
Sample : 50 PPB STD
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 29 09:10:17 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu May 16 14:56:42 2024
Response via : Initial Calibration







TIC: D5982.D\data.ms

(27) trans-1,2-Dichloroethene (P)

3.314min (+ 0.075) 0.17 ug/L

response 473

Ion	Exp%	Act%
96.00	100.00	100.00
98.00	61.80	56.14
61.00	139.20	143.32
0.00	0.00	0.00

Manual Integration:

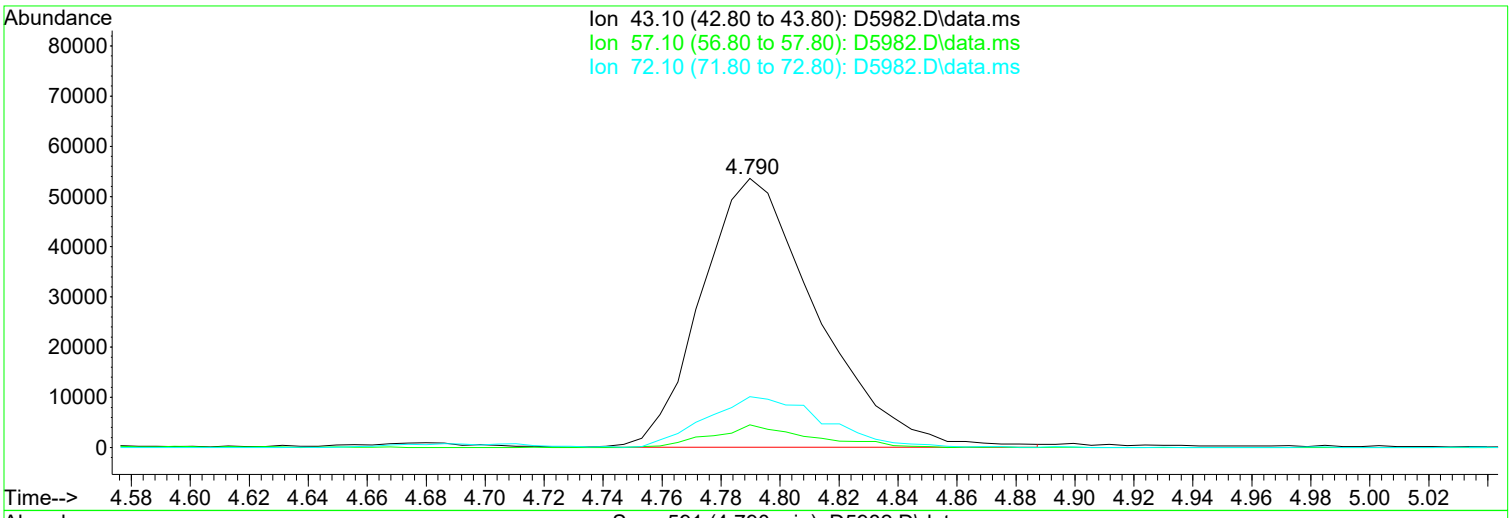
Before

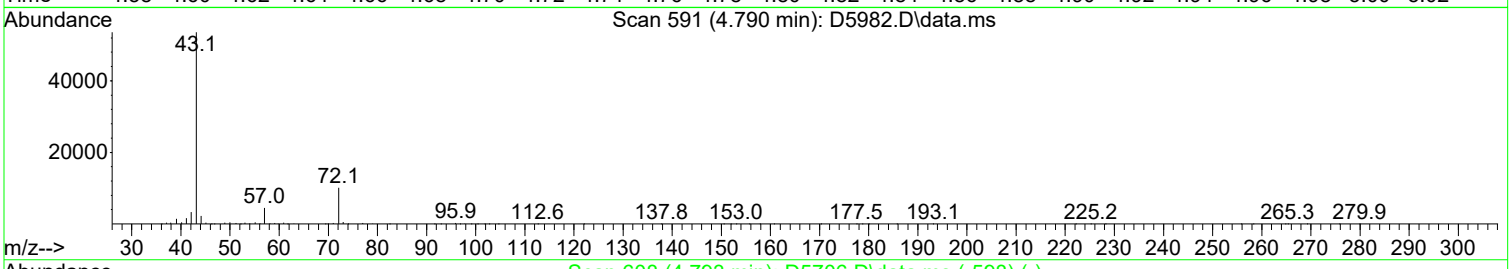
05/29/24

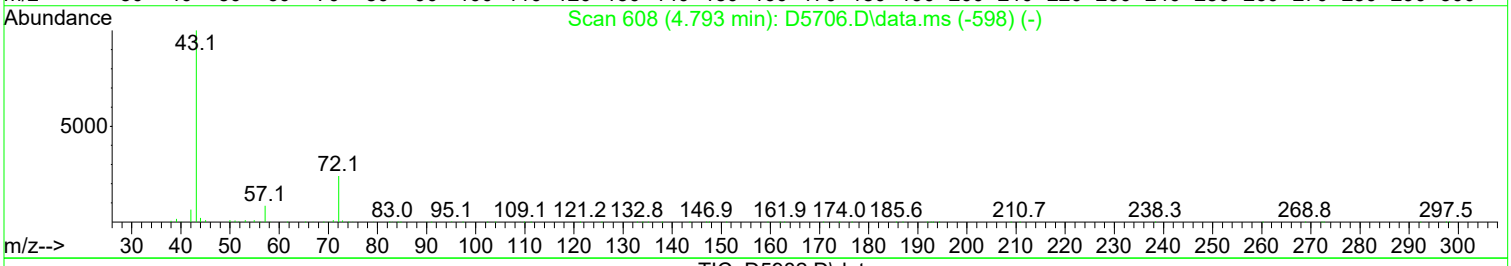
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5982.D
Acq On : 28 May 2024 05:02 pm
Operator : F.NAEGLER
Sample : 50 PPB STD
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 29 09:10:17 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu May 16 14:56:42 2024
Response via : Initial Calibration







TIC: D5982.D\data.ms

(35) 2-Butanone (P)

4.790min (-0.004) 71.70 ug/L m

response 145408

Ion	Exp%	Act%
43.10	100.00	100.00
57.10	8.70	8.43
72.10	24.00	18.85
0.00	0.00	0.00

Manual Integration:

After

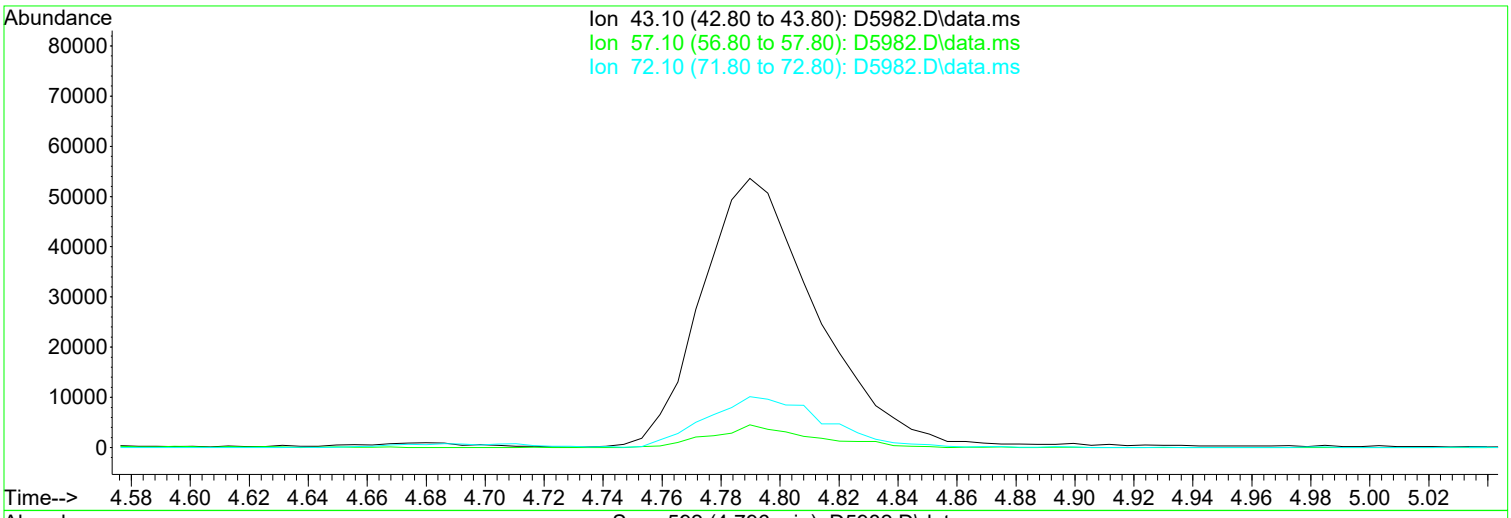
Peak not found.

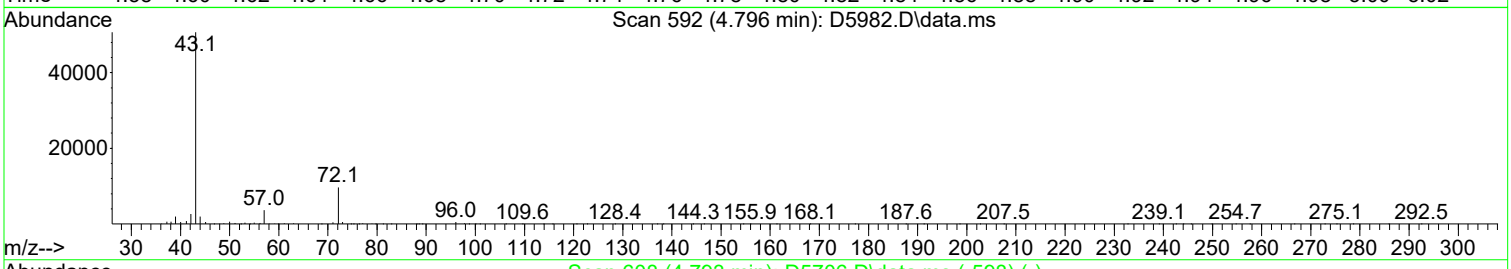
05/29/24

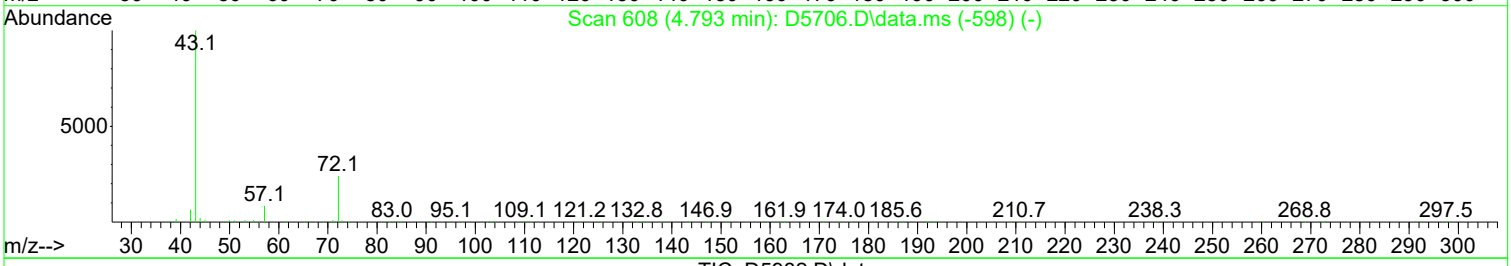
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5982.D
Acq On : 28 May 2024 05:02 pm
Operator : F.NAEGLER
Sample : 50 PPB STD
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 29 09:10:17 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu May 16 14:56:42 2024
Response via : Initial Calibration







TIC: D5982.D\data.ms

(35) 2-Butanone (P)

4.793min (-4.793) 0.00 ug/L

response 0

Ion	Exp%	Act%
43.10	100.00	0.00
57.10	8.70	0.00
72.10	24.00	0.00#
0.00	0.00	0.00

Manual Integration:

Before

05/29/24

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5982.D
Acq On : 28 May 2024 05:02 pm
Operator : F.NAEGLER
Sample : 50 PPB STD
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 29 09:10:17 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu May 16 14:56:42 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.698	168	382428	50.00	ug/L		0.00
42) 1,4-Difluorobenzene	6.741	114	525110	50.00	ug/L		0.00
71) d5-Chlorobenzene	9.984	117	466737	50.00	ug/L		0.00
91) 1,4-Dichlorobenzene-d4	12.020	152	258206	50.00	ug/L		0.00
System Monitoring Compounds							
44) surr4,Dibrflmethane	5.576	113	160665	55.86	ug/L		0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 111.72%				
47) surr1,1,2-dichloroetha...	6.082	65	199793	61.01	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 122.02%				
65) SURR3,Toluene-d8	8.508	98	620151	55.45	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 110.90%				
70) SURR2,BFB	11.045	95	234825	54.67	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 109.34%				
Target Compounds							Qvalue
2) Chlorodifluoromethane	1.254	51	227821	66.807	ug/L		99
3) Dichlorodifluoromethane	1.242	85	229999	60.593	ug/L		99
4) Chloromethane	1.382	50	280625	52.599	ug/L		95
5) Vinyl Chloride	1.455	62	243175	67.117	ug/L		99
6) Bromomethane	1.699	94	94539	43.118	ug/L		97
7) Chloroethane	1.784	64	164412	64.887	ug/L		97
8) Freon 21	1.949	67	299433	59.985	ug/L		99
9) Trichlorofluoromethane	1.985	101	246395	58.141	ug/L		98
10) Diethyl Ether	2.241	59	168193	64.789	ug/L		93
11) Freon 123a	2.254	67	178761	59.683	ug/L		89
12) Freon 123	2.315	83	205013	57.383	ug/L		98
13) Acrolein	2.369	56	253349	347.825	ug/L		99
14) 1,1-Diclethene	2.443	96	141400	54.895	ug/L	#	84
15) Freon 113	2.443	101	144208	57.098	ug/L		95
16) Acetone	2.522	43	108856	68.891	ug/L		98
17) 2-Propanol	2.668	45	440552	1362.475	ug/L		95
18) Iodomethane	2.589	142	223572	76.964	ug/L		99
19) Carbon Disulfide	2.644	76	428393	60.743	ug/L		98
20) Acetonitrile	2.808	41	347477m	421.405	ug/L		
21) Allyl Chloride	2.808	76	83000	51.897	ug/L	#	67
22) Methyl Acetate	2.839	43	290732	71.141	ug/L		91
23) Methylene Chloride	2.943	84	161445	55.743	ug/L	#	88
24) TBA	3.101	59	631323	1188.612	ug/L		90
25) Acrylonitrile	3.241	53	518788	349.962	ug/L		99
26) Methyl-t-Butyl Ether	3.253	73	546696	58.416	ug/L		97
27) trans-1,2-Dichloroethene	3.241	96	151726m	54.430	ug/L		
28) 1,1-Diclethane	3.790	63	300584	60.595	ug/L		99
29) Vinyl Acetate	3.894	86	25056	67.361	ug/L	#	20
30) DIPE	3.900	45	680692	72.972	ug/L		88
31) 2-Chloro-1,3-Butadiene	3.906	53	299774	64.506	ug/L		87
32) ETBE	4.467	59	557443	60.327	ug/L		97
33) 2,2-Dichloropropane	4.674	77	221237	54.948	ug/L		97
34) cis-1,2-Dichloroethene	4.698	96	171818	53.877	ug/L		92
35) 2-Butanone	4.790	43	145408m	71.702	ug/L		
36) Propionitrile	4.912	54	213283	333.075	ug/L		93
37) Bromochloromethane	5.125	130	115341	51.864	ug/L	#	76
38) Methacrylonitrile	5.168	67	89905	56.180	ug/L	#	74
39) Tetrahydrofuran	5.241	42	93474	71.804	ug/L		89
40) Chloroform	5.302	83	270881	55.349	ug/L		96

1st FNJ 05/29/24
2nd 05/29/24

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5982.D
Acq On : 28 May 2024 05:02 pm
Operator : F.NAEGLER
Sample : 50 PPB STD
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 29 09:10:17 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu May 16 14:56:42 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) 1,1,1-Trichloroethane	5.552	97	230558	53.466	ug/L		92
43) Cyclohexane	5.607	41	186508	68.705	ug/L		96
45) Carbontetrachloride	5.802	117	192443	43.719	ug/L		100
46) 1,1-Dichloropropene	5.820	75	200628	52.391	ug/L		95
48) Benzene	6.137	78	613755	54.409	ug/L		96
49) 1,2-Dichloroethane	6.198	62	251909	57.629	ug/L		95
50) Iso-Butyl Alcohol	6.198	43	269214	1156.832	ug/L		95
51) TAME	6.356	73	462049	51.390	ug/L		93
52) n-Heptane	6.564	43	238096	73.070	ug/L		87
53) 1-Butanol	7.119	56	383391	2577.777	ug/L		88
54) Trichloroethene	7.045	130	167731	50.112	ug/L		95
55) Methylcyclohexane	7.253	55	231361	63.675	ug/L		90
56) 1,2-Diclpropane	7.338	63	176143	58.032	ug/L		100
57) Dibromomethane	7.484	93	107287	52.491	ug/L		92
58) 1,4-Dioxane	7.551	88	66993	1077.429	ug/L		99
59) Methyl Methacrylate	7.551	69	143108	53.096	ug/L	#	78
60) Bromodichloromethane	7.704	83	209608	51.119	ug/L		99
61) 2-Nitropropane	8.009	41	118474	90.638	ug/L		95
62) 2-Chloroethylvinyl Ether	8.094	63	115408	54.410	ug/L		91
63) cis-1,3-Dichloropropene	8.228	75	248931	52.496	ug/L		98
64) 4-Methyl-2-pentanone	8.441	43	292163	67.550	ug/L		86
66) Toluene	8.582	91	688367	54.603	ug/L		98
67) trans-1,3-Dichloropropene	8.862	75	225437	51.267	ug/L		96
68) Ethyl Methacrylate	8.984	69	257168	53.026	ug/L		81
69) 1,1,2-Trichloroethane	9.051	97	159671	51.776	ug/L		99
72) Tetrachloroethene	9.155	164	135559	49.038	ug/L		90
73) 2-Hexanone	9.338	43	209538	65.996	ug/L		96
74) 1,3-Dichloropropane	9.216	76	260823	55.579	ug/L		83
75) Dibromochloromethane	9.435	129	170319	48.051	ug/L		98
76) N-Butyl Acetate	9.472	43	428885	70.162	ug/L		95
77) 1,2-Dibromoethane	9.533	107	148509	51.529	ug/L		100
78) 3-Chlorobenzotrifluoride	10.020	180	256550	47.968	ug/L		97
79) Chlorobenzene	10.008	112	458360	51.960	ug/L		97
80) 4-Chlorobenzotrifluoride	10.075	180	231305	47.902	ug/L		94
81) 1,1,1,2-Tetrachloroethane	10.094	131	159806	47.355	ug/L		100
82) Ethylbenzene	10.118	106	235317	52.503	ug/L		92
83) (m+p)Xylene	10.228	106	583633	103.955	ug/L		93
84) o-Xylene	10.587	106	286647	52.824	ug/L		100
85) Styrene	10.600	104	509436	53.841	ug/L		97
86) Bromoform	10.764	173	113848	45.122	ug/L		96
87) 2-Chlorobenzotrifluoride	10.831	180	254576	48.969	ug/L		95
88) Isopropylbenzene	10.917	105	726654	52.502	ug/L		99
89) Cyclohexanone	11.008	55	1040168	1410.875	ug/L		90
90) trans-1,4-Dichloro-2-B...	11.240	53	67640	51.337	ug/L		87
92) 1,1,2,2-Tetrachloroethane	11.191	83	238810	57.305	ug/L		99
93) Bromobenzene	11.173	156	206570	50.452	ug/L		95
94) 1,2,3-Trichloropropane	11.221	110	69783	50.804	ug/L		93
95) n-Propylbenzene	11.270	91	858799	55.788	ug/L		99
96) 2-Chlorotoluene	11.337	91	524224	55.493	ug/L		97
97) 3-Chlorotoluene	11.392	91	535565	55.612	ug/L		97
98) 4-Chlorotoluene	11.429	91	585694	55.137	ug/L		93
99) 1,3,5-Trimethylbenzene	11.416	105	631424	54.500	ug/L		96
100) tert-Butylbenzene	11.691	119	524979	52.792	ug/L		99
101) 1,2,4-Trimethylbenzene	11.733	105	640920	54.580	ug/L		99
102) 3,4-Dichlorobenzotrifl...	11.788	214	206160	48.907	ug/L		96
103) sec-Butylbenzene	11.874	105	748152	54.698	ug/L		98

1st FW 05/29/24
2nd WR 05/29/24

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5982.D
Acq On : 28 May 2024 05:02 pm
Operator : F.NAEGLER
Sample : 50 PPB STD
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 29 09:10:17 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu May 16 14:56:42 2024
Response via : Initial Calibration

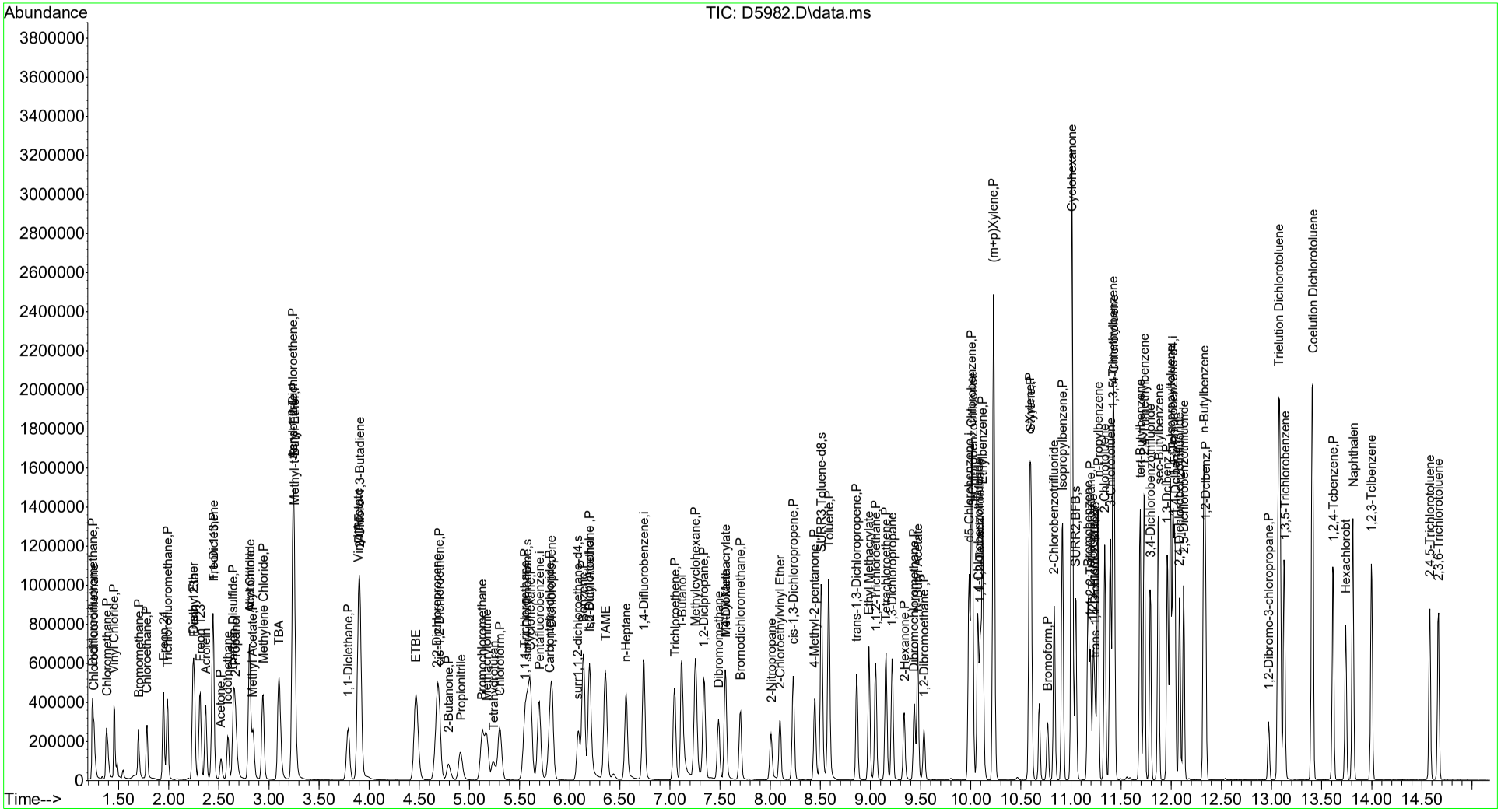
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) p-Isopropyltoluene	11.990	119	663556	53.286	ug/L	97
105) 1,3-Dclbenz	11.959	146	370902	50.796	ug/L	99
106) 1,4-Dclbenz	12.038	146	382448	50.744	ug/L	100
107) 2,4-Dichlorobenzotrifl...	12.081	214	193855	49.903	ug/L	97
108) 2,5-Dichlorobenzotrifl...	12.124	214	207702	47.648	ug/L	98
109) n-Butylbenzene	12.325	91	571672	57.401	ug/L	99
110) 1,2-Dclbenz	12.343	146	379750	50.051	ug/L	99
111) 1,2-Dibromo-3-chloropr...	12.971	157	60261	48.997	ug/L	98
112) Trielution Dichlorotol...	13.075	125	940391	156.543	ug/L	97
113) 1,3,5-Trichlorobenzene	13.130	180	288519	49.588	ug/L	97
114) Coelution Dichlorotoluene	13.410	125	697151	104.196	ug/L	98
115) 1,2,4-Tcbenzene	13.617	180	288720	50.807	ug/L	96
116) Hexachlorobt	13.739	225	120623	47.333	ug/L	99
117) Naphthalen	13.812	128	812944	51.606	ug/L	100
118) 1,2,3-Tclbenzene	13.995	180	284138	50.445	ug/L	96
119) 2,4,5-Trichlorotoluene	14.580	159	185328	50.262	ug/L	99
120) 2,3,6-Trichlorotoluene	14.666	159	166972	49.427	ug/L	98

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5982.D
Acq On : 28 May 2024 05:02 pm
Operator : F.NAEGLER
Sample : 50 PPB STD
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 29 09:10:17 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu May 16 14:56:42 2024
Response via : Initial Calibration

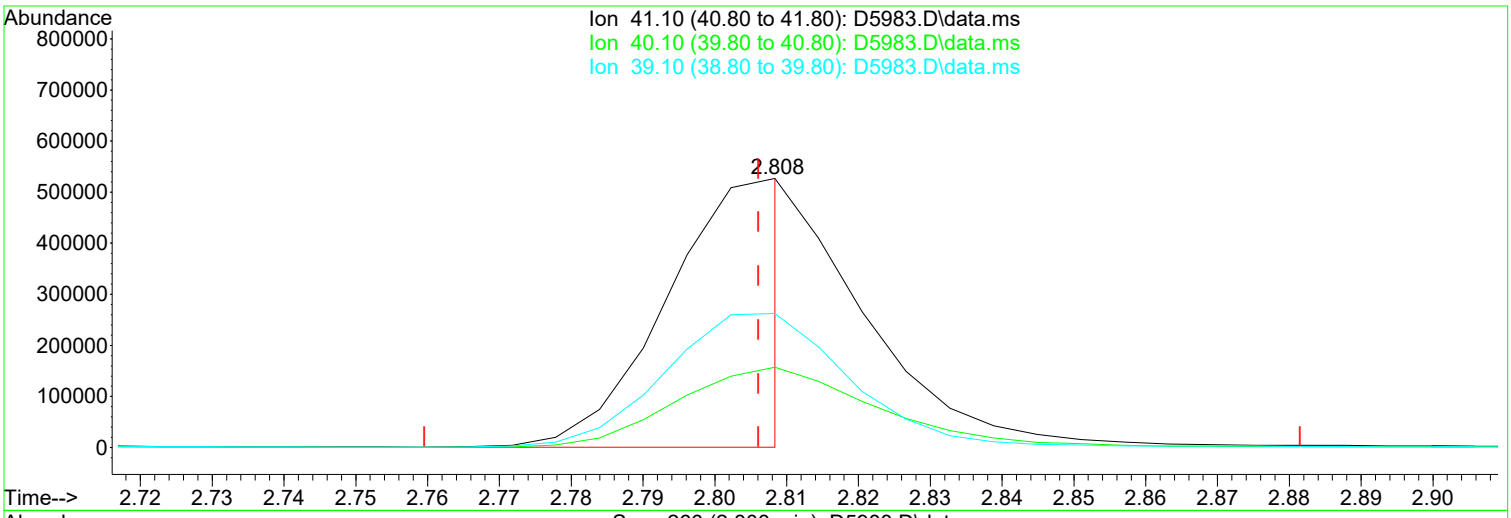


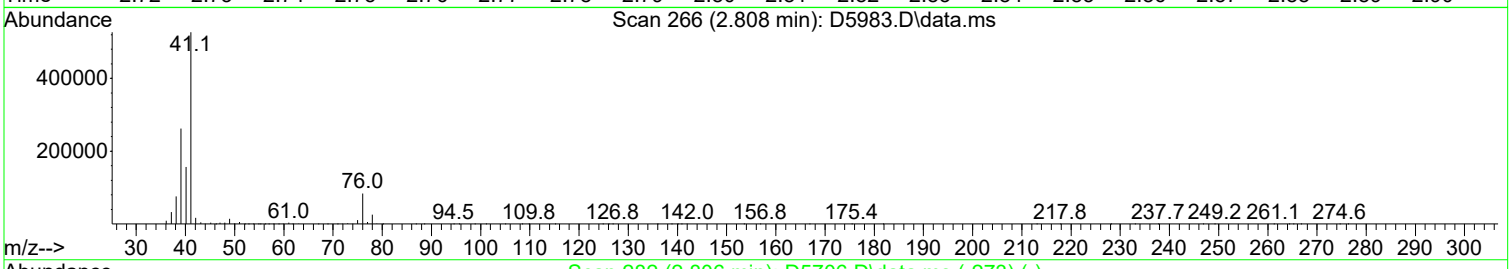
1st 05/29/24
2nd 05/29/24

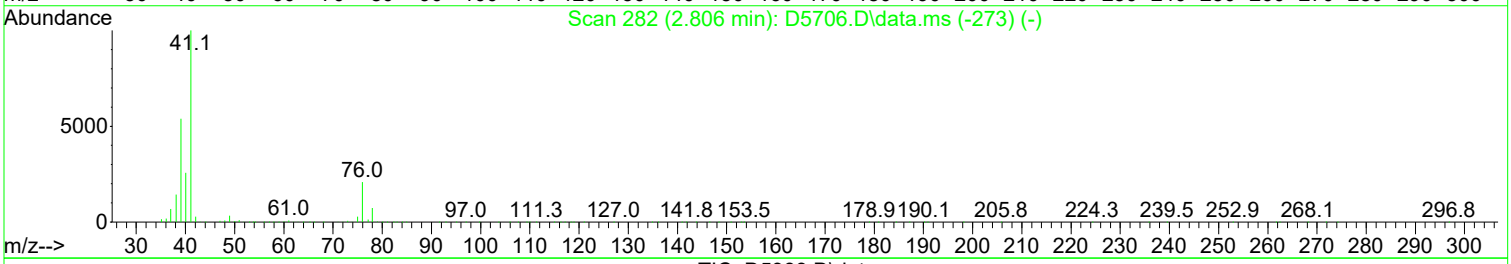
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5983.D
Acq On : 28 May 2024 05:25 pm
Operator : F.NAEGLER
Sample : 100 PPB STD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 29 09:13:16 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu May 16 14:56:42 2024
Response via : Initial Calibration







TIC: D5983.D\data.ms

(20) Acetonitrile

2.808min (+ 0.002) 775.16 ug/L m

response 622763

Ion	Exp%	Act%
41.10	100.00	100.00
40.10	26.00	29.80
39.10	54.00	49.82
0.00	0.00	0.00

Manual Integration:

After

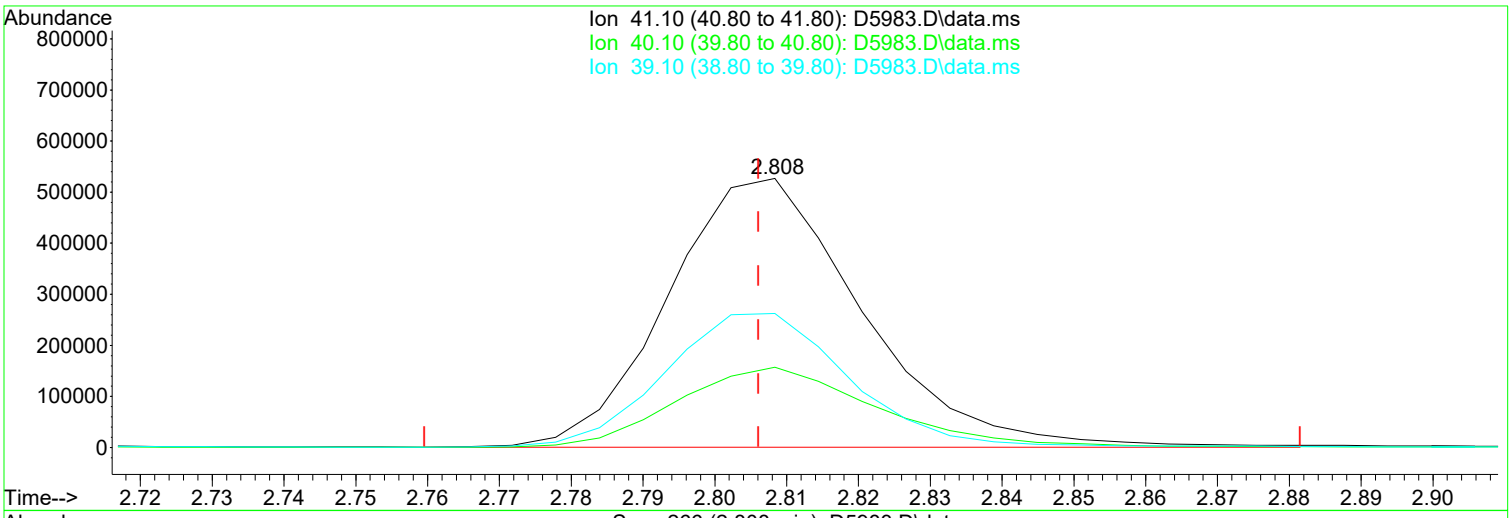
Poor integration.

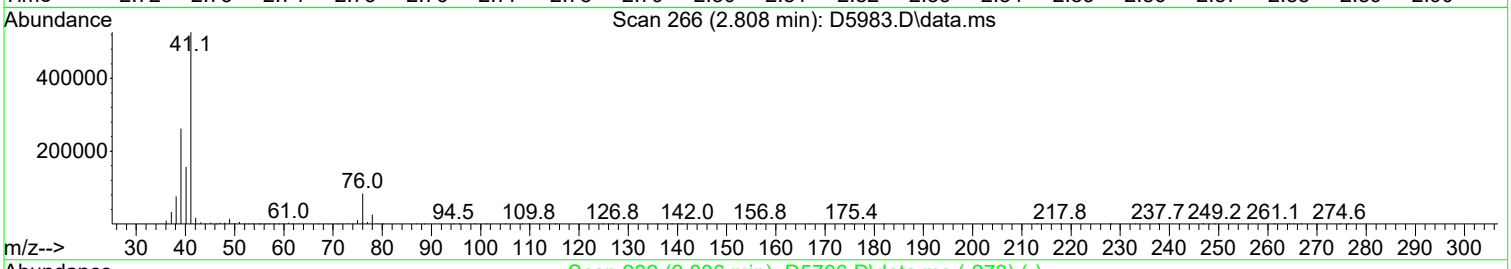
05/29/24

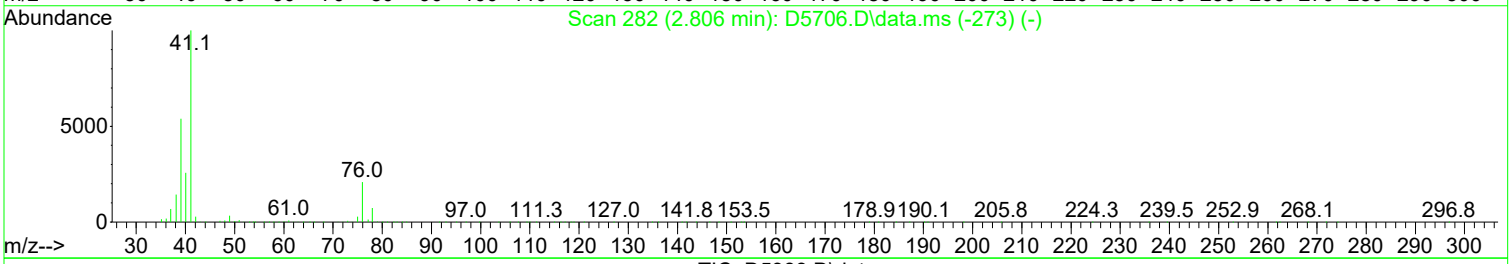
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5983.D
Acq On : 28 May 2024 05:25 pm
Operator : F.NAEGLER
Sample : 100 PPB STD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 29 09:13:16 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu May 16 14:56:42 2024
Response via : Initial Calibration







TIC: D5983.D\data.ms

(20) Acetonitrile

2.808min (+ 0.002) 1234.59 ug/L

response 991869

Ion	Exp%	Act%
41.10	100.00	100.00
40.10	26.00	29.80
39.10	54.00	49.82
0.00	0.00	0.00

Manual Integration:

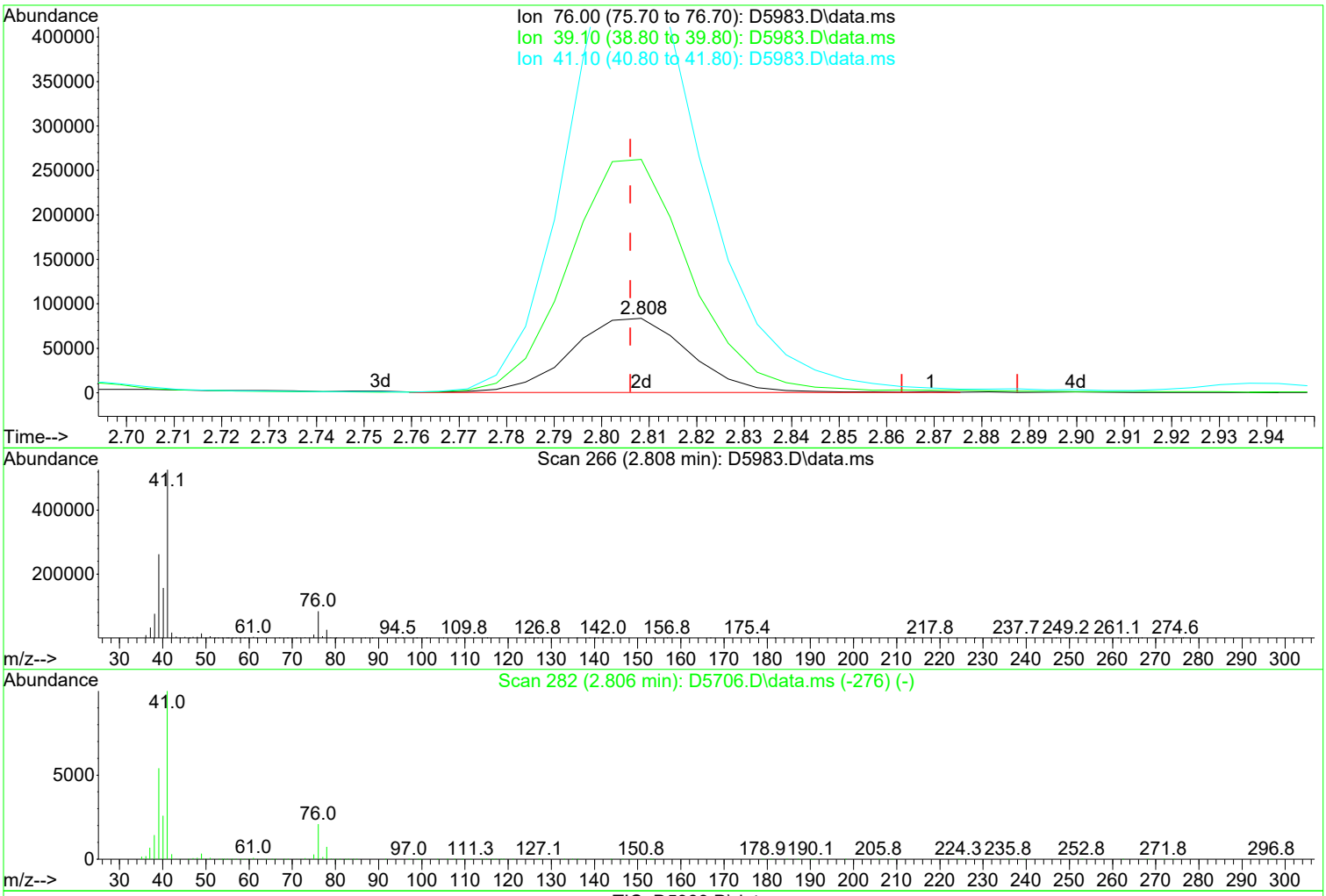
Before

05/29/24

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5983.D
Acq On : 28 May 2024 05:25 pm
Operator : F.NAEGLER
Sample : 100 PPB STD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 29 09:13:16 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu May 16 14:56:42 2024
Response via : Initial Calibration



TIC: D5983.D\data.ms

(21) Allyl Chloride

2.808min (+ 0.002) 93.50 ug/L m

response 145703

Ion	Exp%	Act%
76.00	100.00	100.00
39.10	257.10	312.93#
41.10	476.00	628.15#
0.00	0.00	0.00

Manual Integration:

After

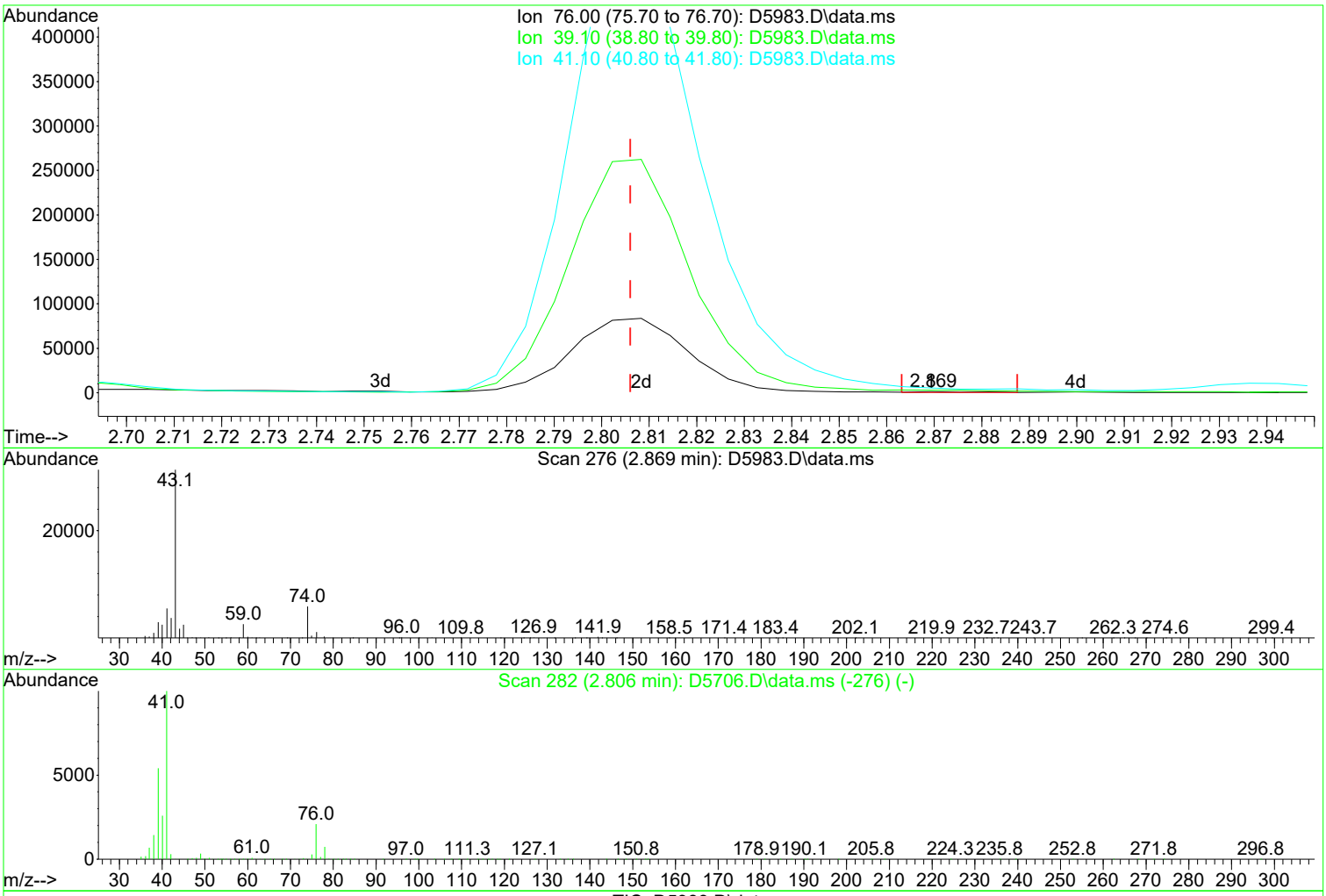
Peak not found.

05/29/24

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5983.D
Acq On : 28 May 2024 05:25 pm
Operator : F.NAEGLER
Sample : 100 PPB STD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 29 09:13:16 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu May 16 14:56:42 2024
Response via : Initial Calibration



TIC: D5983.D\data.ms

(21) Allyl Chloride

2.869min (+ 0.063) 0.37 ug/L

response 576

Ion	Exp%	Act%
76.00	100.00	100.00
39.10	257.10	260.02
41.10	476.00	491.01
0.00	0.00	0.00

Manual Integration:

Before

05/29/24

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5983.D
Acq On : 28 May 2024 05:25 pm
Operator : F.NAEGLER
Sample : 100 PPB STD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 29 09:13:16 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu May 16 14:56:42 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.698	168	372612	50.00	ug/L		0.00
42) 1,4-Difluorobenzene	6.740	114	506286	50.00	ug/L		0.00
71) d5-Chlorobenzene	9.984	117	457692	50.00	ug/L		0.00
91) 1,4-Dichlorobenzene-d4	12.020	152	258468	50.00	ug/L		0.00
System Monitoring Compounds							
44) surr4,Dibrflmethane	5.576	113	313810	113.16	ug/L		0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 226.32%#				
47) surr1,1,2-dichloroetha...	6.088	65	388881	123.16	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 246.32%#				
65) SURR3,Toluene-d8	8.508	98	1208909	112.11	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 224.22%#				
70) SURR2,BFB	11.051	95	462127	111.59	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 223.18%#				
Target Compounds							Qvalue
2) Chlorodifluoromethane	1.254	51	463316	139.444	ug/L		100
3) Dichlorodifluoromethane	1.242	85	455865	123.262	ug/L		98
4) Chloromethane	1.382	50	546920	105.213	ug/L		97
5) Vinyl Chloride	1.461	62	480706	136.171	ug/L		97
6) Bromomethane	1.699	94	169913	79.537	ug/L		96
7) Chloroethane	1.772	64	324094	131.277	ug/L		93
8) Freon 21	1.943	67	617057	126.871	ug/L		98
9) Trichlorofluoromethane	1.979	101	475754	115.220	ug/L		99
10) Diethyl Ether	2.241	59	338217	133.715	ug/L		93
11) Freon 123a	2.254	67	363245	124.471	ug/L		90
12) Freon 123	2.315	83	423720	121.723	ug/L		99
13) Acrolein	2.369	56	503978	710.143	ug/L		95
14) 1,1-Diclethene	2.443	96	285074	113.588	ug/L		89
15) Freon 113	2.436	101	282408	114.763	ug/L		94
16) Acetone	2.522	43	245166	159.245	ug/L		97
17) 2-Propanol	2.674	45	941488	2988.401	ug/L		99
18) Iodomethane	2.589	142	482756	170.566	ug/L		100
19) Carbon Disulfide	2.644	76	892885	129.940	ug/L		100
20) Acetonitrile	2.808	41	622763m	775.157	ug/L		
21) Allyl Chloride	2.808	76	145703m	93.503	ug/L		
22) Methyl Acetate	2.839	43	586349	147.258	ug/L		92
23) Methylene Chloride	2.936	84	319992	113.397	ug/L	#	84
24) TBA	3.107	59	1348523	2605.792	ug/L		93
25) Acrylonitrile	3.247	53	1053576	729.441	ug/L		99
26) Methyl-t-Butyl Ether	3.253	73	1097112	120.318	ug/L		95
27) trans-1,2-Dichloroethene	3.241	96	303947	111.910	ug/L	#	87
28) 1,1-Diclethane	3.790	63	612842	126.798	ug/L		96
29) Vinyl Acetate	3.893	86	44574	122.991	ug/L	#	1
30) DIPE	3.900	45	1390075	152.945	ug/L		89
31) 2-Chloro-1,3-Butadiene	3.906	53	627934	138.679	ug/L		92
32) ETBE	4.467	59	1144787	127.153	ug/L		95
33) 2,2-Dichloropropane	4.674	77	449554	114.596	ug/L		97
34) cis-1,2-Dichloroethene	4.698	96	345581	111.219	ug/L		89
35) 2-Butanone	4.790	43	299834	151.746	ug/L		94
36) Propionitrile	4.912	54	440683	706.325	ug/L		98
37) Bromochloromethane	5.131	130	226797	104.668	ug/L	#	77
38) Methacrylonitrile	5.174	67	184189	118.129	ug/L	#	64
39) Tetrahydrofuran	5.229	42	191025	150.604	ug/L		94
40) Chloroform	5.308	83	541457	113.549	ug/L		94

1st FNJ 05/29/24
2nd 05/29/24

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5983.D
Acq On : 28 May 2024 05:25 pm
Operator : F.NAEGLER
Sample : 100 PPB STD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 29 09:13:16 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu May 16 14:56:42 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) 1,1,1-Trichloroethane	5.552	97	467209	111.199	ug/L		92
43) Cyclohexane	5.600	41	385018	147.106	ug/L		93
45) Carbontetrachloride	5.802	117	386892	91.161	ug/L		98
46) 1,1-Dichloropropene	5.820	75	403134	109.186	ug/L		93
48) Benzene	6.137	78	1231012	113.185	ug/L		94
49) 1,2-Dichloroethane	6.198	62	499701	118.567	ug/L		96
50) Iso-Butyl Alcohol	6.198	43	577903	2575.621	ug/L		99
51) TAME	6.356	73	958969	110.624	ug/L		93
52) n-Heptane	6.564	43	478219	152.219	ug/L		90
53) 1-Butanol	7.118	56	849762	5925.912	ug/L		91
54) Trichloroethene	7.045	130	326887	101.294	ug/L		96
55) Methylcyclohexane	7.253	55	476531	136.026	ug/L		87
56) 1,2-Diclpropane	7.344	63	350869	119.895	ug/L		98
57) Dibromomethane	7.484	93	212915	108.043	ug/L		92
58) 1,4-Dioxane	7.551	88	137767	2298.046	ug/L		95
59) Methyl Methacrylate	7.551	69	291813	112.294	ug/L	#	78
60) Bromodichloromethane	7.704	83	420188	106.286	ug/L		99
61) 2-Nitropropane	8.009	41	265236	210.462	ug/L		95
62) 2-Chloroethylvinyl Ether	8.100	63	237882	116.321	ug/L		96
63) cis-1,3-Dichloropropene	8.228	75	515378	112.728	ug/L		97
64) 4-Methyl-2-pentanone	8.441	43	600219	143.935	ug/L		89
66) Toluene	8.582	91	1352338	111.260	ug/L		98
67) trans-1,3-Dichloropropene	8.862	75	474191	111.846	ug/L		96
68) Ethyl Methacrylate	8.984	69	544119	116.364	ug/L		83
69) 1,1,2-Trichloroethane	9.051	97	310643	104.476	ug/L		95
72) Tetrachloroethene	9.155	164	268240	98.953	ug/L		93
73) 2-Hexanone	9.338	43	453954	145.804	ug/L		95
74) 1,3-Dichloropropane	9.216	76	522899	113.627	ug/L		87
75) Dibromochloromethane	9.435	129	351039	100.993	ug/L		99
76) N-Butyl Acetate	9.472	43	915452	152.721	ug/L		97
77) 1,2-Dibromoethane	9.533	107	302698	107.105	ug/L		99
78) 3-Chlorobenzotrifluoride	10.020	180	522794	99.680	ug/L		99
79) Chlorobenzene	10.008	112	907671	104.927	ug/L		96
80) 4-Chlorobenzotrifluoride	10.075	180	472155	99.714	ug/L		98
81) 1,1,1,2-Tetrachloroethane	10.094	131	328575	99.290	ug/L		99
82) Ethylbenzene	10.118	106	463851	105.538	ug/L	#	89
83) (m+p)Xylene	10.228	106	1172170	212.909	ug/L		93
84) o-Xylene	10.587	106	579274	108.859	ug/L		99
85) Styrene	10.606	104	1025368	110.511	ug/L		99
86) Bromoform	10.770	173	246664	99.694	ug/L		96
87) 2-Chlorobenzotrifluoride	10.831	180	521616	102.318	ug/L		94
88) Isopropylbenzene	10.916	105	1467313	108.111	ug/L		98
89) Cyclohexanone	11.008	55	2413456	3338.284	ug/L		89
90) trans-1,4-Dichloro-2-B...	11.240	53	147554	114.203	ug/L		88
92) 1,1,2,2-Tetrachloroethane	11.191	83	477993	114.583	ug/L		98
93) Bromobenzene	11.173	156	414934	101.239	ug/L		96
94) 1,2,3-Trichloropropane	11.221	110	144216	104.887	ug/L	#	91
95) n-Propylbenzene	11.270	91	1756157	113.966	ug/L		98
96) 2-Chlorotoluene	11.337	91	1056592	111.735	ug/L		97
97) 3-Chlorotoluene	11.392	91	1102947	114.411	ug/L		98
98) 4-Chlorotoluene	11.429	91	1201862	113.028	ug/L		93
99) 1,3,5-Trimethylbenzene	11.416	105	1297016	111.836	ug/L		95
100) tert-Butylbenzene	11.691	119	1056463	106.130	ug/L		99
101) 1,2,4-Trimethylbenzene	11.733	105	1316255	111.977	ug/L		98
102) 3,4-Dichlorobenzotrifl...	11.794	214	436573	103.463	ug/L		99
103) sec-Butylbenzene	11.874	105	1523460	111.268	ug/L		98

1st FJ 05/29/24
2nd 05/29/24

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5983.D
Acq On : 28 May 2024 05:25 pm
Operator : F.NAEGLER
Sample : 100 PPB STD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 29 09:13:16 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu May 16 14:56:42 2024
Response via : Initial Calibration

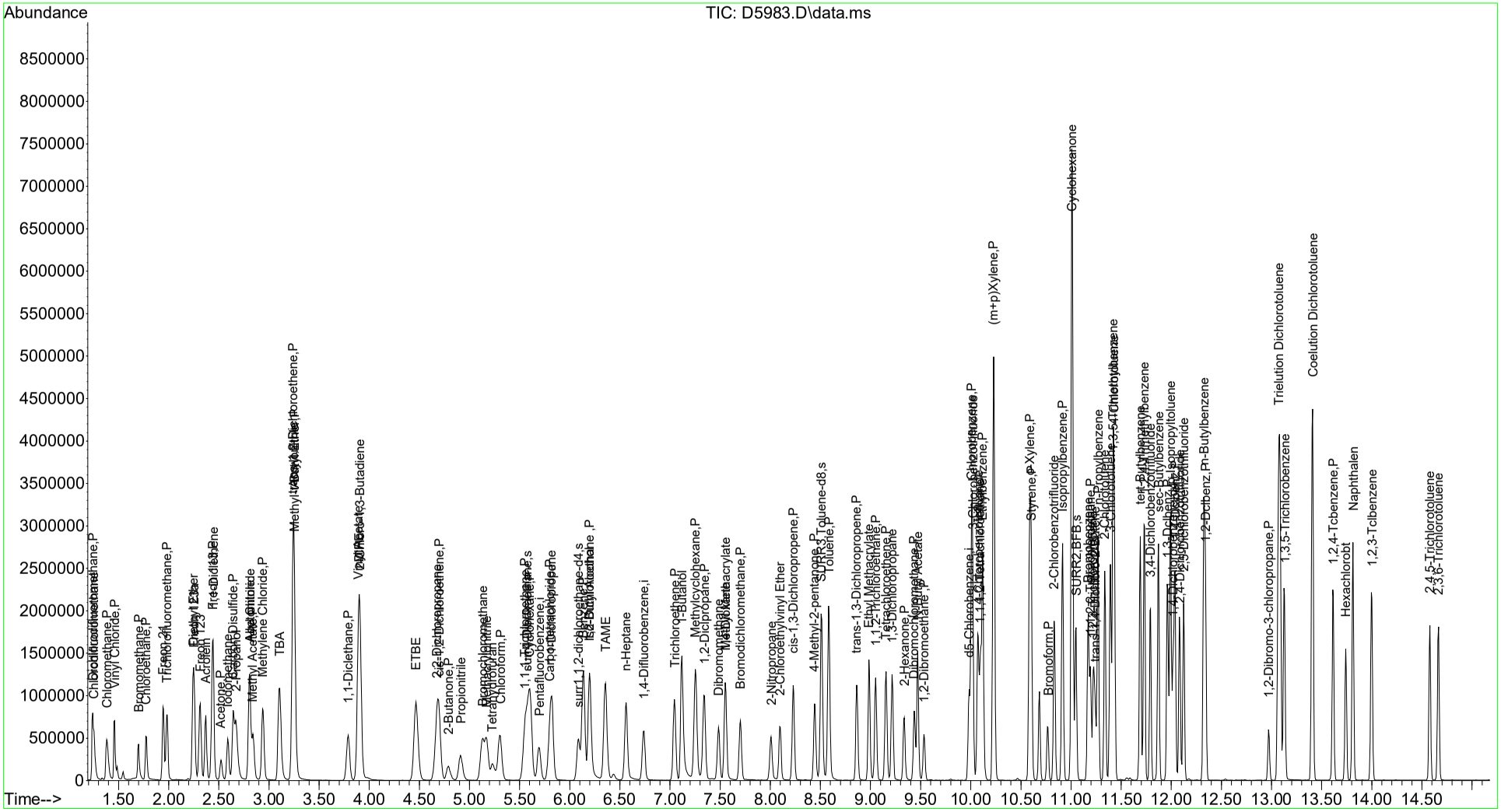
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) p-Isopropyltoluene	11.989	119	1362082	109.269	ug/L	97
105) 1,3-Dclbenz	11.965	146	768718	105.170	ug/L	99
106) 1,4-Dclbenz	12.038	146	778447	103.182	ug/L	99
107) 2,4-Dichlorobenzotrifl...	12.087	214	396123	101.868	ug/L	98
108) 2,5-Dichlorobenzotrifl...	12.124	214	442317	101.368	ug/L	98
109) n-Butylbenzene	12.325	91	1190497	119.416	ug/L	99
110) 1,2-Dclbenz	12.343	146	771413	101.569	ug/L	99
111) 1,2-Dibromo-3-chloropr...	12.971	157	124067	100.775	ug/L	95
112) Trielution Dichlorotol...	13.075	125	1972509	328.022	ug/L	97
113) 1,3,5-Trichlorobenzene	13.129	180	599798	102.983	ug/L	99
114) Coelution Dichlorotoluene	13.410	125	1457851	217.668	ug/L	99
115) 1,2,4-Tcbenzene	13.617	180	576986	101.431	ug/L	99
116) Hexachlorobt	13.739	225	240235	94.173	ug/L	100
117) Naphthalen	13.812	128	1675494	106.253	ug/L	99
118) 1,2,3-Tclbenzene	14.001	180	582412	103.295	ug/L	100
119) 2,4,5-Trichlorotoluene	14.580	159	374325	101.416	ug/L	98
120) 2,3,6-Trichlorotoluene	14.666	159	352262	104.170	ug/L	99

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5983.D
Acq On : 28 May 2024 05:25 pm
Operator : F.NAEGLER
Sample : 100 PPB STD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 29 09:13:16 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu May 16 14:56:42 2024
Response via : Initial Calibration

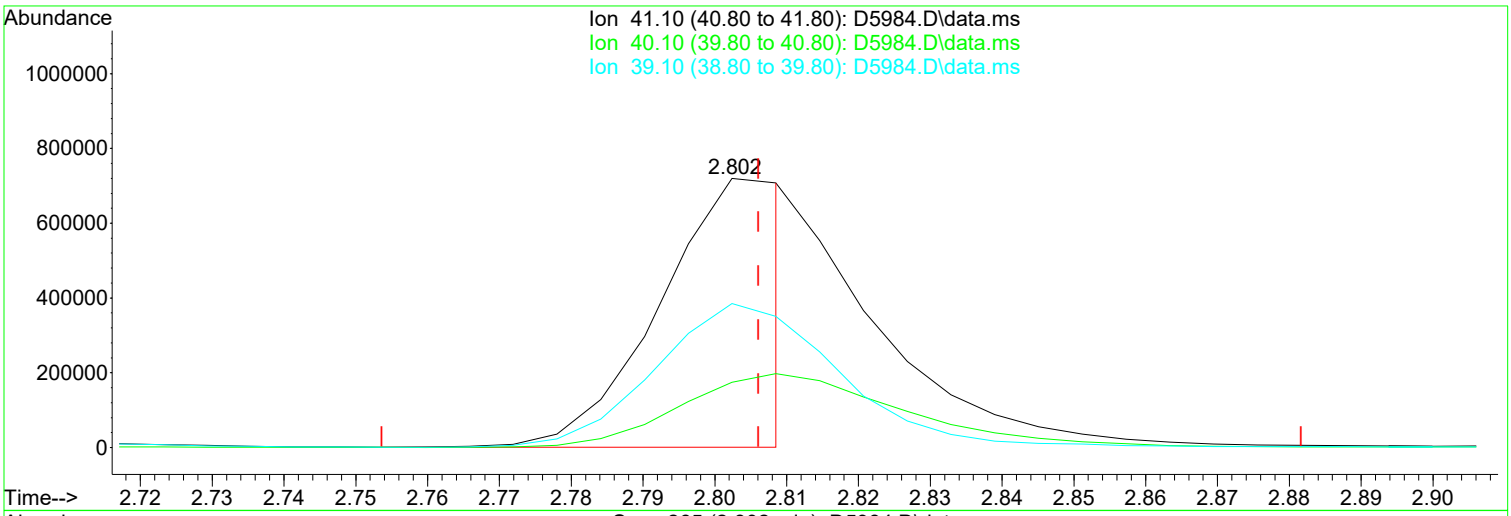


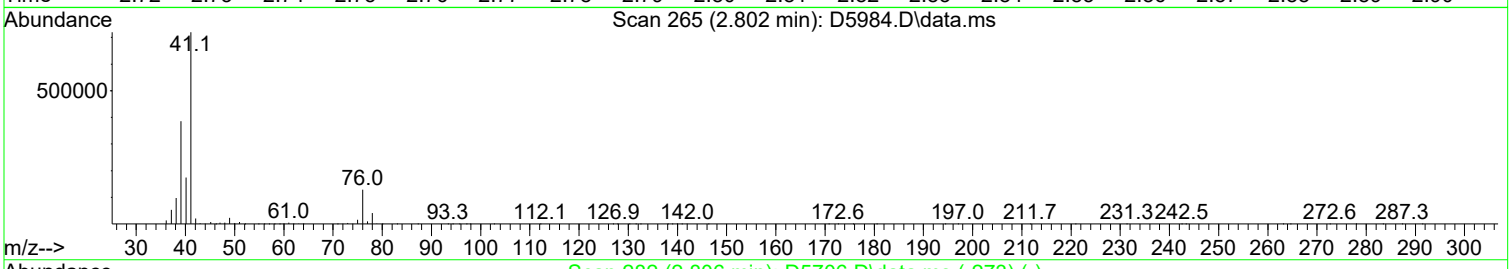
1st FJ 05/29/24
2nd 05/29/24

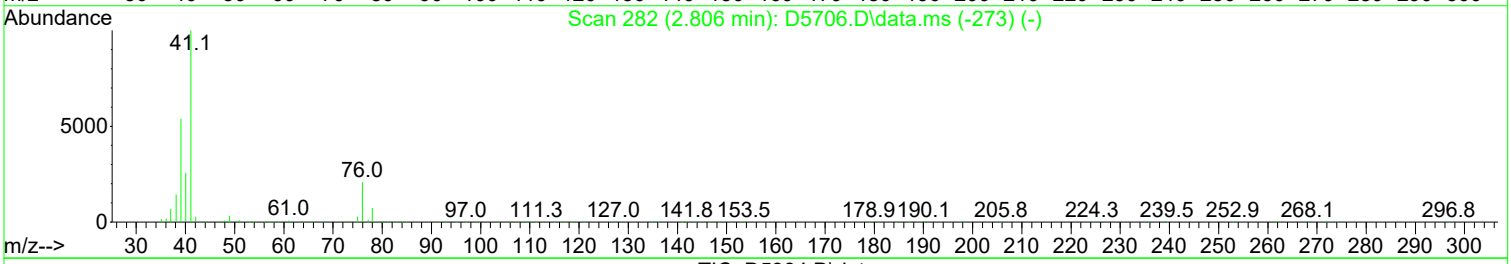
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5984.D
Acq On : 28 May 2024 05:48 pm
Operator : F.NAEGLER
Sample : 150 PPB STD
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 29 09:15:05 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu May 16 14:56:42 2024
Response via : Initial Calibration







TIC: D5984.D\data.ms

(20) Acetonitrile

2.802min (-0.004) 1113.69 ug/L m

response 890874

Ion	Exp%	Act%
41.10	100.00	100.00
40.10	26.00	24.27
39.10	54.00	53.54
0.00	0.00	0.00

Manual Integration:

After

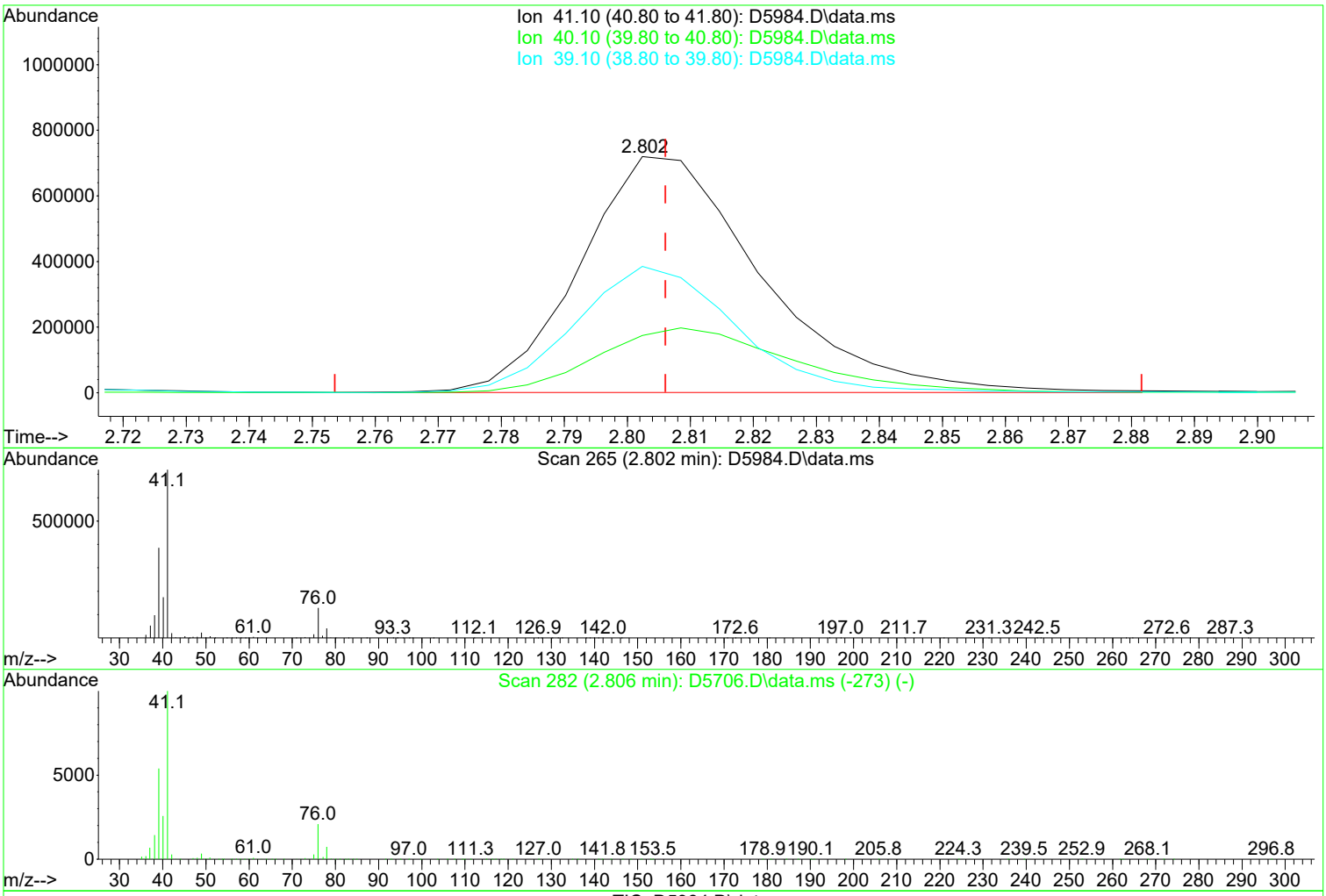
Poor integration.

05/29/24

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5984.D
Acq On : 28 May 2024 05:48 pm
Operator : F.NAEGLER
Sample : 150 PPB STD
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 29 09:15:05 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu May 16 14:56:42 2024
Response via : Initial Calibration



TIC: D5984.D\data.ms

(20) Acetonitrile

2.802min (-0.004) 1806.89 ug/L

response 1445379

Ion	Exp%	Act%
41.10	100.00	100.00
40.10	26.00	24.27
39.10	54.00	53.54
0.00	0.00	0.00

Manual Integration:

Before

05/29/24

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5984.D
Acq On : 28 May 2024 05:48 pm
Operator : F.NAEGLER
Sample : 150 PPB STD
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 29 09:15:05 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu May 16 14:56:42 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.692	168	371000	50.00	ug/L		0.00
42) 1,4-Difluorobenzene	6.735	114	495862	50.00	ug/L		0.00
71) d5-Chlorobenzene	9.984	117	453942	50.00	ug/L		0.00
91) 1,4-Dichlorobenzene-d4	12.020	152	260740	50.00	ug/L		0.00
System Monitoring Compounds							
44) surr4,Dibrflmethane	5.576	113	574334	211.46	ug/L		0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 422.92%#				
47) surr1,1,2-dichloroetha...	6.088	65	715957	231.52	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 463.04%#				
65) SURR3,Toluene-d8	8.509	98	2200045	208.32	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 416.64%#				
70) SURR2,BFB	11.051	95	862963	212.77	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 425.54%#				
Target Compounds							Qvalue
2) Chlorodifluoromethane	1.254	51	648332	195.976	ug/L		99
3) Dichlorodifluoromethane	1.236	85	620359	168.468	ug/L		97
4) Chloromethane	1.382	50	746730	144.275	ug/L		98
5) Vinyl Chloride	1.455	62	658030	187.211	ug/L		98
6) Bromomethane	1.693	94	234558	110.275	ug/L		93
7) Chloroethane	1.766	64	423996	172.490	ug/L		96
8) Freon 21	1.943	67	872099	180.088	ug/L		98
9) Trichlorofluoromethane	1.973	101	687644	167.260	ug/L		99
10) Diethyl Ether	2.242	59	469770	186.532	ug/L		93
11) Freon 123a	2.254	67	516278	177.679	ug/L		89
12) Freon 123	2.309	83	606396	174.958	ug/L		97
13) Acrolein	2.370	56	718382	1016.652	ug/L		97
14) 1,1-Diclethene	2.437	96	396146	158.530	ug/L	#	85
15) Freon 113	2.437	101	390645	159.437	ug/L		96
16) Acetone	2.522	43	326160	212.774	ug/L		98
17) 2-Propanol	2.680	45	1346647	4292.999	ug/L		100
18) Iodomethane	2.589	142	653586	231.927	ug/L		98
19) Carbon Disulfide	2.638	76	1244218	181.855	ug/L		99
20) Acetonitrile	2.802	41	890874m	1113.695	ug/L		
21) Allyl Chloride	2.802	76	214958	138.546	ug/L	#	71
22) Methyl Acetate	2.845	43	834171	210.407	ug/L		93
23) Methylene Chloride	2.937	84	439325	156.362	ug/L	#	83
24) TBA	3.113	59	1928313	3742.329	ug/L		93
25) Acrylonitrile	3.247	53	1460815	1015.786	ug/L		100
26) Methyl-t-Butyl Ether	3.254	73	1518803	167.288	ug/L		94
27) trans-1,2-Dichloroethene	3.241	96	416305	153.944	ug/L	#	86
28) 1,1-Diclethane	3.790	63	846396	175.881	ug/L		97
29) Vinyl Acetate	3.894	86	68627	190.182	ug/L	#	28
30) DIPE	3.900	45	1873338	207.012	ug/L		84
31) 2-Chloro-1,3-Butadiene	3.906	53	872243	193.471	ug/L		90
32) ETBE	4.467	59	1578141	176.048	ug/L		95
33) 2,2-Dichloropropane	4.674	77	624998	160.011	ug/L		98
34) cis-1,2-Dichloroethene	4.698	96	475458	153.682	ug/L		86
35) 2-Butanone	4.790	43	422054	214.530	ug/L		90
36) Propionitrile	4.918	54	614760	989.616	ug/L		100
37) Bromochloromethane	5.131	130	313596	145.356	ug/L	#	77
38) Methacrylonitrile	5.174	67	254885	164.181	ug/L	#	66
39) Tetrahydrofuran	5.229	42	262464	207.826	ug/L		93
40) Chloroform	5.302	83	750702	158.114	ug/L		95

1st FNJ 05/29/24
2nd 05/29/24

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5984.D
Acq On : 28 May 2024 05:48 pm
Operator : F.NAEGLER
Sample : 150 PPB STD
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 29 09:15:05 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu May 16 14:56:42 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) 1,1,1-Trichloroethane	5.552	97	649194	155.184	ug/L		94
43) Cyclohexane	5.601	41	544553	212.434	ug/L		94
45) Carbontetrachloride	5.802	117	541284	130.221	ug/L		96
46) 1,1-Dichloropropene	5.820	75	555174	153.526	ug/L		93
48) Benzene	6.137	78	1685787	158.257	ug/L		94
49) 1,2-Dichloroethane	6.198	62	680951	164.969	ug/L		96
50) Iso-Butyl Alcohol	6.198	43	822669	3743.581	ug/L		99
51) TAME	6.357	73	1319524	155.416	ug/L		93
52) n-Heptane	6.558	43	670641	217.956	ug/L		90
53) 1-Butanol	7.125	56	1245179	8865.939	ug/L		93
54) Trichloroethene	7.045	130	452940	143.305	ug/L		94
55) Methylcyclohexane	7.253	55	677330	197.409	ug/L		88
56) 1,2-Diclpropane	7.338	63	486298	169.666	ug/L		99
57) Dibromomethane	7.484	93	292483	151.540	ug/L		95
58) 1,4-Dioxane	7.551	88	199855	3403.796	ug/L		96
59) Methyl Methacrylate	7.551	69	411175	161.552	ug/L	#	79
60) Bromodichloromethane	7.704	83	585752	151.280	ug/L		99
61) 2-Nitropropane	8.009	41	380437	308.218	ug/L		97
62) 2-Chloroethylvinyl Ether	8.100	63	348713	174.100	ug/L		95
63) cis-1,3-Dichloropropene	8.228	75	726667	162.284	ug/L		98
64) 4-Methyl-2-pentanone	8.442	43	869371	212.861	ug/L		90
66) Toluene	8.582	91	1858999	156.159	ug/L		98
67) trans-1,3-Dichloropropene	8.862	75	672323	161.912	ug/L		96
68) Ethyl Methacrylate	8.984	69	760456	166.049	ug/L		79
69) 1,1,2-Trichloroethane	9.051	97	435340	149.492	ug/L		96
72) Tetrachloroethene	9.155	164	372267	138.463	ug/L		94
73) 2-Hexanone	9.332	43	655322	212.219	ug/L		92
74) 1,3-Dichloropropane	9.216	76	721225	158.018	ug/L		85
75) Dibromochloromethane	9.435	129	493534	143.162	ug/L		98
76) N-Butyl Acetate	9.472	43	1345332	226.290	ug/L		95
77) 1,2-Dibromoethane	9.533	107	426417	152.127	ug/L		98
78) 3-Chlorobenzotrifluoride	10.021	180	704049	135.348	ug/L		99
79) Chlorobenzene	10.008	112	1258404	146.673	ug/L		97
80) 4-Chlorobenzotrifluoride	10.075	180	630254	134.202	ug/L		96
81) 1,1,1,2-Tetrachloroethane	10.094	131	453870	138.285	ug/L		97
82) Ethylbenzene	10.118	106	652978	149.797	ug/L		94
83) (m+p)Xylene	10.228	106	1618811	296.464	ug/L		96
84) o-Xylene	10.587	106	797009	151.014	ug/L		97
85) Styrene	10.606	104	1417687	154.056	ug/L		99
86) Bromoform	10.764	173	349344	142.361	ug/L		94
87) 2-Chlorobenzotrifluoride	10.831	180	699346	138.315	ug/L		95
88) Isopropylbenzene	10.917	105	2031057	150.884	ug/L		99
89) Cyclohexanone	11.014	55	3325402	4637.682	ug/L		90
90) trans-1,4-Dichloro-2-B...	11.240	53	216310	168.801	ug/L		88
92) 1,1,2,2-Tetrachloroethane	11.191	83	668815	158.929	ug/L		98
93) Bromobenzene	11.173	156	571674	138.266	ug/L		94
94) 1,2,3-Trichloropropane	11.221	110	199690	143.967	ug/L		94
95) n-Propylbenzene	11.270	91	2434558	156.614	ug/L		99
96) 2-Chlorotoluene	11.337	91	1463434	153.411	ug/L		97
97) 3-Chlorotoluene	11.392	91	1487427	152.950	ug/L		97
98) 4-Chlorotoluene	11.429	91	1662198	154.958	ug/L		93
99) 1,3,5-Trimethylbenzene	11.417	105	1793298	153.281	ug/L		96
100) tert-Butylbenzene	11.691	119	1453046	144.697	ug/L		99
101) 1,2,4-Trimethylbenzene	11.727	105	1821254	153.588	ug/L		96
102) 3,4-Dichlorobenzotrifl...	11.795	214	585374	137.519	ug/L		99
103) sec-Butylbenzene	11.874	105	2111757	152.891	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5984.D
Acq On : 28 May 2024 05:48 pm
Operator : F.NAEGLER
Sample : 150 PPB STD
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 29 09:15:05 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu May 16 14:56:42 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) p-Isopropyltoluene	11.990	119	1893226	150.556	ug/L	97
105) 1,3-Dclbenz	11.965	146	1056789	143.322	ug/L	99
106) 1,4-Dclbenz	12.038	146	1078877	141.757	ug/L	99
107) 2,4-Dichlorobenzotrifl...	12.081	214	537837	137.107	ug/L	97
108) 2,5-Dichlorobenzotrifl...	12.124	214	599167	136.117	ug/L	99
109) n-Butylbenzene	12.325	91	1662418	165.300	ug/L	98
110) 1,2-Dclbenz	12.343	146	1074371	140.226	ug/L	98
111) 1,2-Dibromo-3-chloropr...	12.971	157	177162	142.648	ug/L	97
112) Trielution Dichlorotol...	13.081	125	2781479	458.521	ug/L	98
113) 1,3,5-Trichlorobenzene	13.130	180	841878	143.287	ug/L	99
114) Coelution Dichlorotoluene	13.410	125	2070916	306.509	ug/L	99
115) 1,2,4-Tcbenzene	13.617	180	856973	149.339	ug/L	99
116) Hexachlorobt	13.739	225	344450	133.849	ug/L	99
117) Naphthalen	13.812	128	2433711	152.992	ug/L	100
118) 1,2,3-Tclbenzene	13.995	180	845213	148.598	ug/L	97
119) 2,4,5-Trichlorotoluene	14.581	159	542973	145.826	ug/L	98
120) 2,3,6-Trichlorotoluene	14.666	159	498672	146.181	ug/L	98

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\052824\
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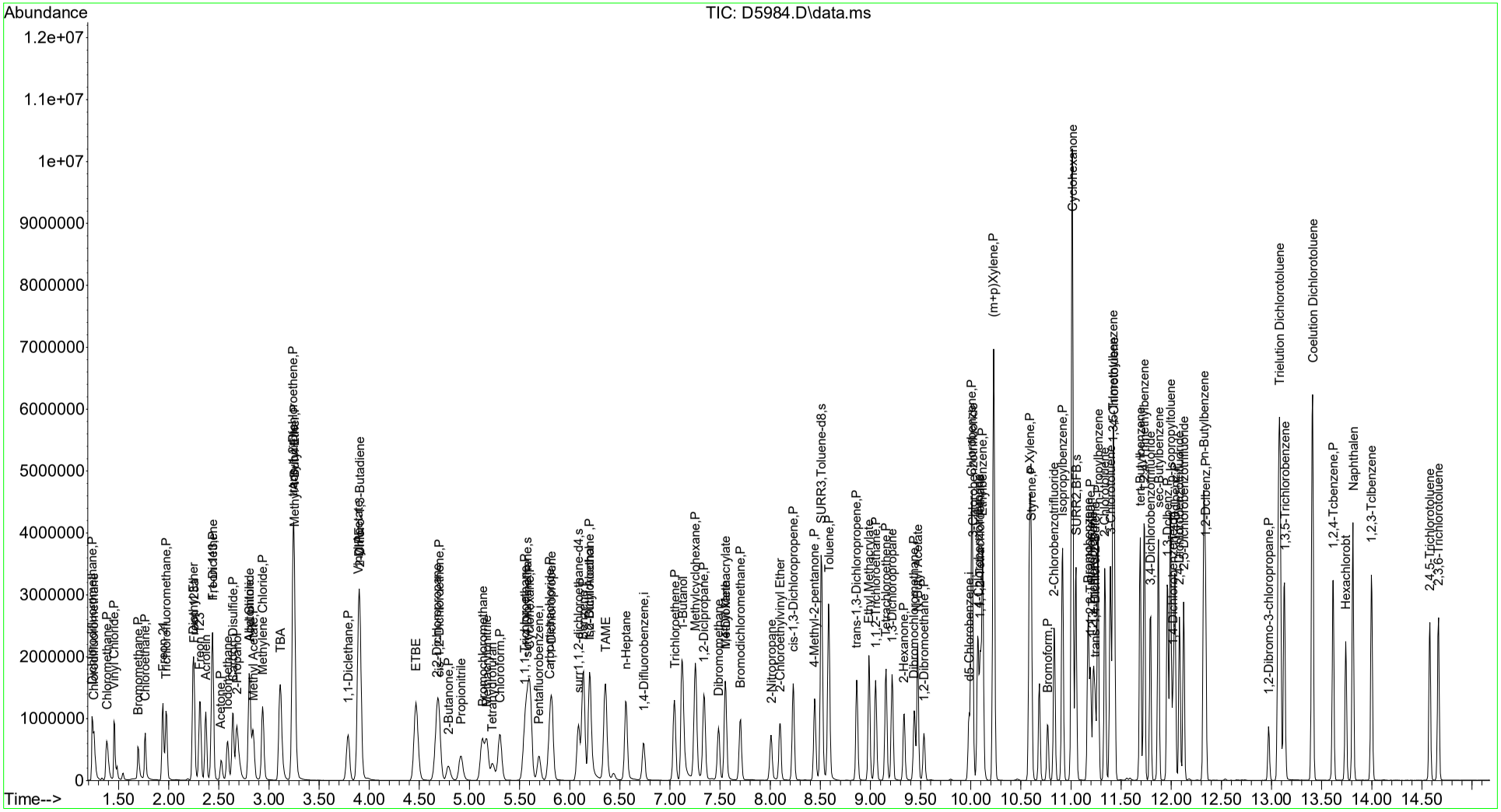
Sample : 150 PPB STD
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 29 09:15:05 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu May 16 14:56:42 2024
Response via : Initial Calibration

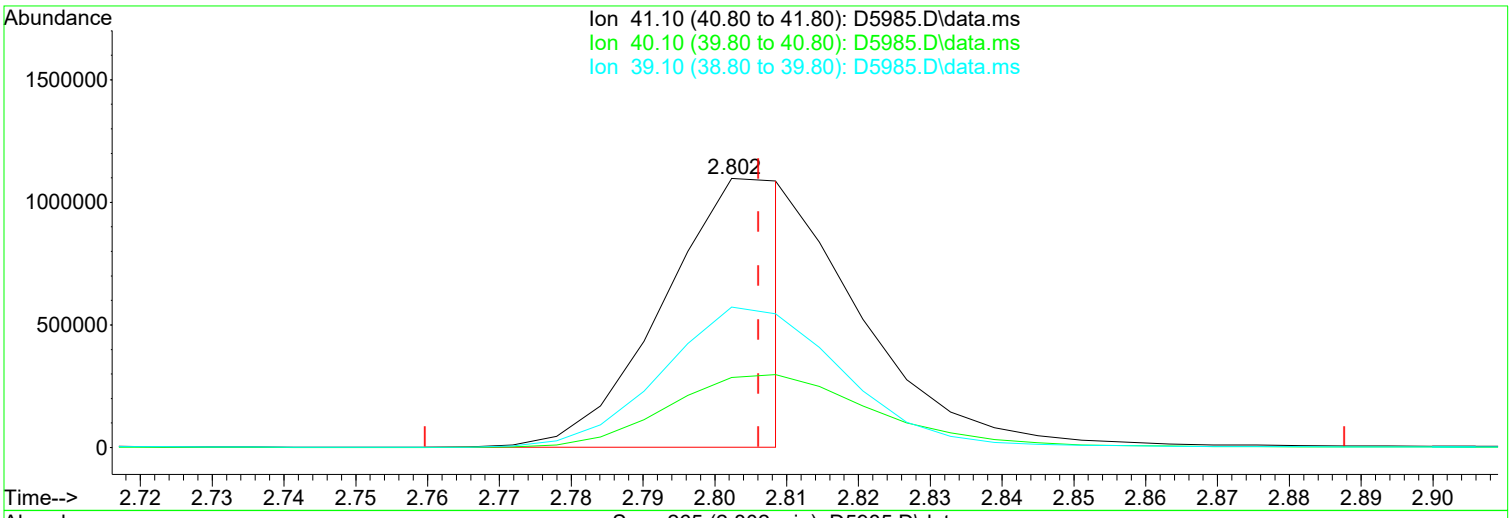


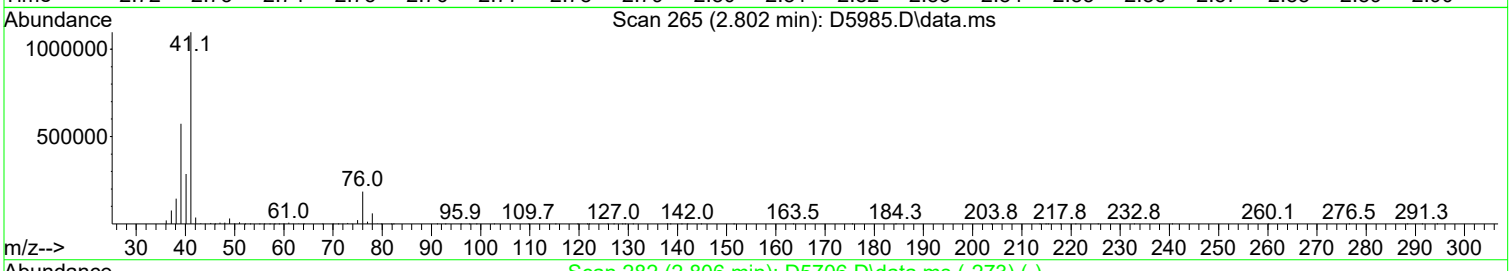
1st FN 05/29/24
2nd 05/29/24

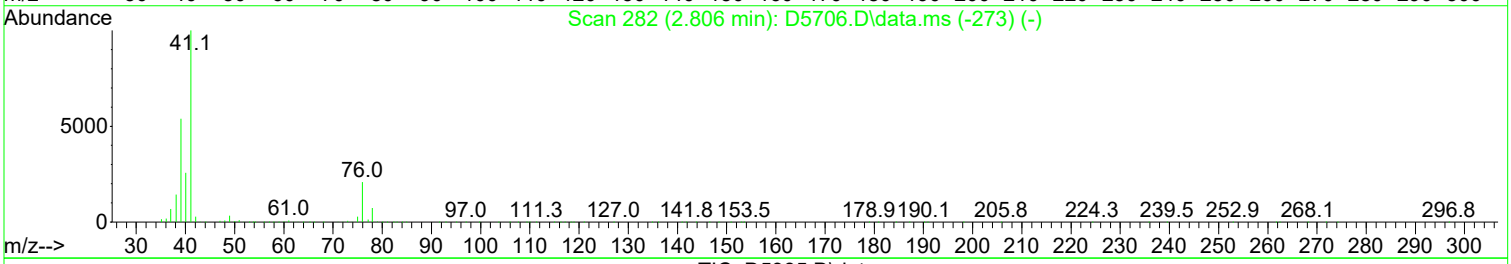
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5985.D
Acq On : 28 May 2024 06:10 pm
Operator : F.NAEGLER
Sample : 200 PPB STD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 29 09:16:33 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu May 16 14:56:42 2024
Response via : Initial Calibration







TIC: D5985.D\data.ms

(20) Acetonitrile

2.802min (-0.004) 1664.50 ug/L m

response 1330143

Ion	Exp%	Act%
41.10	100.00	100.00
40.10	26.00	26.07
39.10	54.00	52.27
0.00	0.00	0.00

Manual Integration:

After

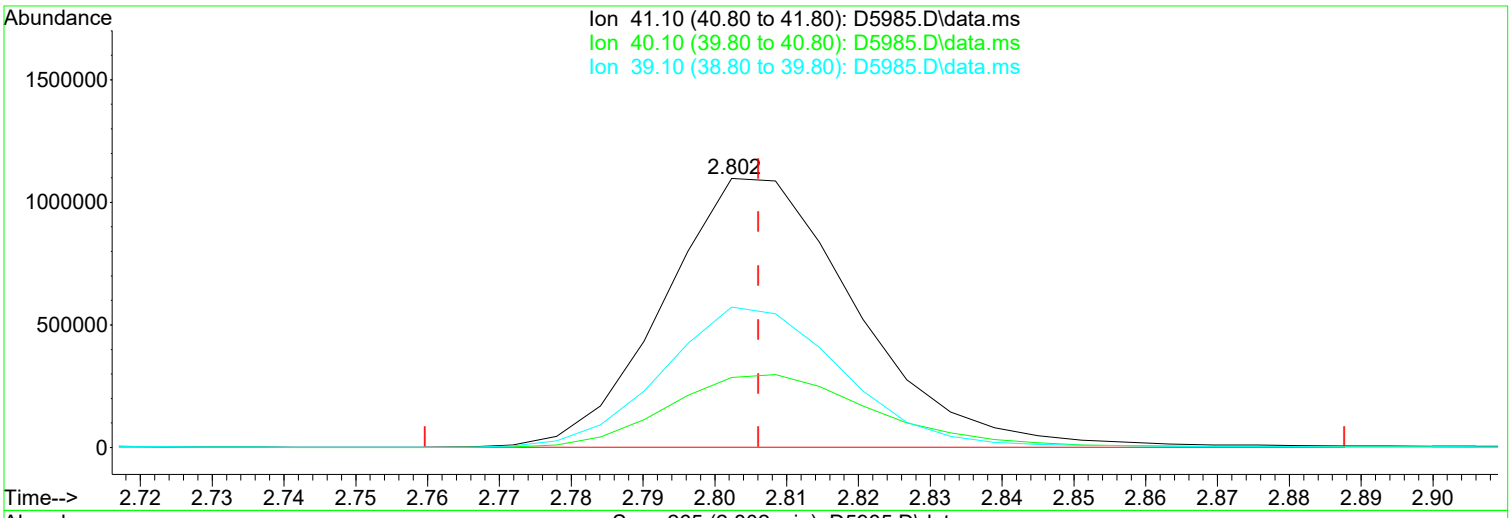
Poor integration.

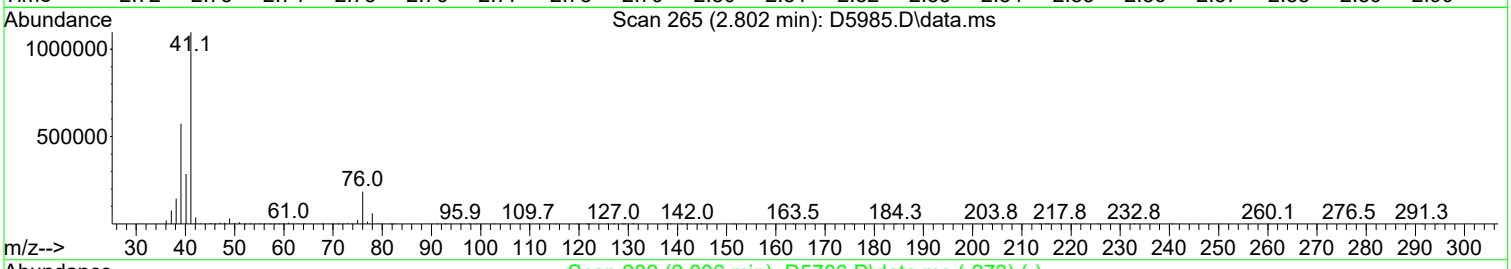
05/29/24

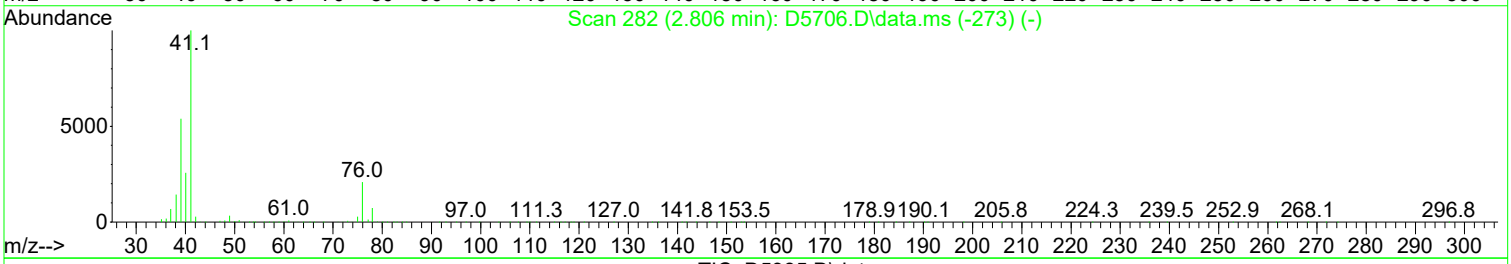
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5985.D
Acq On : 28 May 2024 06:10 pm
Operator : F.NAEGLER
Sample : 200 PPB STD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 29 09:16:33 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu May 16 14:56:42 2024
Response via : Initial Calibration







TIC: D5985.D\data.ms

(20) Acetonitrile

2.802min (-0.004) 2579.14 ug/L

response 2061057

Ion	Exp%	Act%
41.10	100.00	100.00
40.10	26.00	26.07
39.10	54.00	52.27
0.00	0.00	0.00

Manual Integration:

Before

05/29/24

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5985.D
Acq On : 28 May 2024 06:10 pm
Operator : F.NAEGLER
Sample : 200 PPB STD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 29 09:16:33 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu May 16 14:56:42 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.698	168	370629	50.00	ug/L		0.00
42) 1,4-Difluorobenzene	6.741	114	500539	50.00	ug/L		0.00
71) d5-Chlorobenzene	9.984	117	455717	50.00	ug/L		0.00
91) 1,4-Dichlorobenzene-d4	12.020	152	264712	50.00	ug/L		0.00
System Monitoring Compounds							
44) surr4,Dibrflmethane	5.576	113	154055	56.19	ug/L		0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 112.38%				
47) surr1,1,2-dichloroetha...	6.088	65	191282	61.28	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 122.56%				
65) SURR3,Toluene-d8	8.509	98	596354	55.94	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 111.88%				
70) SURR2,BFB	11.051	95	228944	55.92	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 111.84%				
Target Compounds							Qvalue
2) Chlorodifluoromethane	1.254	51	906231	274.208	ug/L		98
3) Dichlorodifluoromethane	1.236	85	842385	228.992	ug/L		97
4) Chloromethane	1.382	50	1032829	199.751	ug/L		98
5) Vinyl Chloride	1.455	62	902227	256.943	ug/L		98
6) Bromomethane	1.699	94	338324	159.219	ug/L		94
7) Chloroethane	1.772	64	612067	249.250	ug/L		96
8) Freon 21	1.943	67	1194978	247.010	ug/L		97
9) Trichlorofluoromethane	1.979	101	909086	221.344	ug/L		97
10) Diethyl Ether	2.241	59	666236	264.808	ug/L		93
11) Freon 123a	2.254	67	712800	245.558	ug/L		87
12) Freon 123	2.315	83	841778	243.114	ug/L		98
13) Acrolein	2.369	56	989962	1402.394	ug/L		97
14) 1,1-Diclethene	2.443	96	546973	219.108	ug/L		89
15) Freon 113	2.437	101	540828	220.953	ug/L		94
16) Acetone	2.522	43	458006	299.084	ug/L		99
17) 2-Propanol	2.674	45	1886511	6020.061	ug/L		97
18) Iodomethane	2.589	142	953817	338.803	ug/L		99
19) Carbon Disulfide	2.644	76	1704617	249.397	ug/L		99
20) Acetonitrile	2.802	41	1330143m	1664.496	ug/L		
21) Allyl Chloride	2.802	76	315041	203.255	ug/L	#	62
22) Methyl Acetate	2.839	43	1154880	291.592	ug/L		91
23) Methylene Chloride	2.936	84	614375	218.883	ug/L	#	85
24) TBA	3.107	59	2723476	5290.814	ug/L		92
25) Acrylonitrile	3.247	53	2050550	1427.289	ug/L		100
26) Methyl-t-Butyl Ether	3.253	73	2154729	237.569	ug/L		94
27) trans-1,2-Dichloroethene	3.241	96	589346	218.151	ug/L	#	87
28) 1,1-Diclethane	3.790	63	1180053	245.460	ug/L		97
29) Vinyl Acetate	3.894	86	90912	252.192	ug/L	#	9
30) DIPE	3.900	45	2677214	296.140	ug/L		88
31) 2-Chloro-1,3-Butadiene	3.906	53	1215249	269.823	ug/L		90
32) ETBE	4.467	59	2281593	254.776	ug/L		96
33) 2,2-Dichloropropane	4.674	77	863603	221.319	ug/L		97
34) cis-1,2-Dichloroethene	4.692	96	669396	216.585	ug/L		86
35) 2-Butanone	4.790	43	594457	302.465	ug/L		91
36) Propionitrile	4.912	54	844926	1361.489	ug/L		97
37) Bromochloromethane	5.131	130	437870	203.161	ug/L	#	77
38) Methacrylonitrile	5.174	67	358121	230.909	ug/L	#	69
39) Tetrahydrofuran	5.229	42	377578	299.276	ug/L		95
40) Chloroform	5.308	83	1051698	221.732	ug/L		96

1st FNJ 05/29/24
2nd WR 05/29/24

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5985.D
Acq On : 28 May 2024 06:10 pm
Operator : F.NAEGLER
Sample : 200 PPB STD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 29 09:16:33 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu May 16 14:56:42 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) 1,1,1-Trichloroethane	5.552	97	905443	216.655	ug/L		93
43) Cyclohexane	5.607	41	744235	287.618	ug/L		95
45) Carbontetrachloride	5.802	117	759834	181.091	ug/L		99
46) 1,1-Dichloropropene	5.826	75	777380	212.966	ug/L		96
48) Benzene	6.137	78	2350735	218.619	ug/L		95
49) 1,2-Dichloroethane	6.198	62	948429	227.623	ug/L		96
50) Iso-Butyl Alcohol	6.198	43	1215306	5478.613	ug/L		100
51) TAME	6.357	73	1911521	223.039	ug/L		93
52) n-Heptane	6.564	43	908565	292.521	ug/L		92
53) 1-Butanol	7.119	56	1816802	12815.143	ug/L		92
54) Trichloroethene	7.045	130	635264	199.113	ug/L		95
55) Methylcyclohexane	7.253	55	929808	268.461	ug/L		85
56) 1,2-Diclpropane	7.344	63	689016	238.147	ug/L		100
57) Dibromomethane	7.484	93	412230	211.587	ug/L		92
58) 1,4-Dioxane	7.551	88	272176	4592.205	ug/L		98
59) Methyl Methacrylate	7.551	69	587084	228.512	ug/L	#	80
60) Bromodichloromethane	7.704	83	830049	212.370	ug/L		99
61) 2-Nitropropane	8.009	41	562329	451.325	ug/L		98
62) 2-Chloroethylvinyl Ether	8.100	63	484072	239.422	ug/L		95
63) cis-1,3-Dichloropropene	8.228	75	1019614	225.579	ug/L		97
64) 4-Methyl-2-pentanone	8.441	43	1212075	293.998	ug/L		91
66) Toluene	8.582	91	2562459	213.239	ug/L		98
67) trans-1,3-Dichloropropene	8.862	75	958045	228.565	ug/L		96
68) Ethyl Methacrylate	8.984	69	1088470	235.451	ug/L		82
69) 1,1,2-Trichloroethane	9.051	97	609853	207.461	ug/L		96
72) Tetrachloroethene	9.155	164	513420	190.220	ug/L		92
73) 2-Hexanone	9.338	43	925436	298.525	ug/L		96
74) 1,3-Dichloropropane	9.216	76	1021280	222.888	ug/L		86
75) Dibromochloromethane	9.435	129	695518	200.966	ug/L		98
76) N-Butyl Acetate	9.472	43	1882360	315.387	ug/L		96
77) 1,2-Dibromoethane	9.533	107	603573	214.490	ug/L		100
78) 3-Chlorobenzotrifluoride	10.020	180	996033	190.734	ug/L		98
79) Chlorobenzene	10.008	112	1738223	201.810	ug/L		95
80) 4-Chlorobenzotrifluoride	10.075	180	910739	193.172	ug/L		96
81) 1,1,1,2-Tetrachloroethane	10.100	131	644312	195.545	ug/L		96
82) Ethylbenzene	10.118	106	906649	207.181	ug/L		95
83) (m+p)Xylene	10.234	106	2245707	409.670	ug/L		97
84) o-Xylene	10.587	106	1121318	211.635	ug/L		97
85) Styrene	10.606	104	1982632	214.608	ug/L		98
86) Bromoform	10.770	173	515153	209.112	ug/L		96
87) 2-Chlorobenzotrifluoride	10.837	180	1000561	197.117	ug/L		97
88) Isopropylbenzene	10.917	105	2830849	209.480	ug/L		99
89) Cyclohexanone	11.014	55	4595873	6384.546	ug/L		89
90) trans-1,4-Dichloro-2-B...	11.240	53	326332	253.666	ug/L		88
92) 1,1,2,2-Tetrachloroethane	11.191	83	939985	220.015	ug/L		97
93) Bromobenzene	11.173	156	806019	192.020	ug/L		94
94) 1,2,3-Trichloropropane	11.228	110	278611	197.852	ug/L		91
95) n-Propylbenzene	11.270	91	3362515	213.063	ug/L		99
96) 2-Chlorotoluene	11.337	91	2056859	212.384	ug/L		96
97) 3-Chlorotoluene	11.392	91	2146836	217.444	ug/L		98
98) 4-Chlorotoluene	11.435	91	2367673	217.414	ug/L		99
99) 1,3,5-Trimethylbenzene	11.423	105	2533630	213.311	ug/L		99
100) tert-Butylbenzene	11.691	119	2043592	200.452	ug/L		99
101) 1,2,4-Trimethylbenzene	11.734	105	2569298	213.421	ug/L		100
102) 3,4-Dichlorobenzotrifl...	11.794	214	855728	198.015	ug/L		99
103) sec-Butylbenzene	11.874	105	2960176	211.101	ug/L		99

1st FJ 05/29/24
2nd 05/29/24

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5985.D
Acq On : 28 May 2024 06:10 pm
Operator : F.NAEGLER
Sample : 200 PPB STD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 29 09:16:33 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu May 16 14:56:42 2024
Response via : Initial Calibration

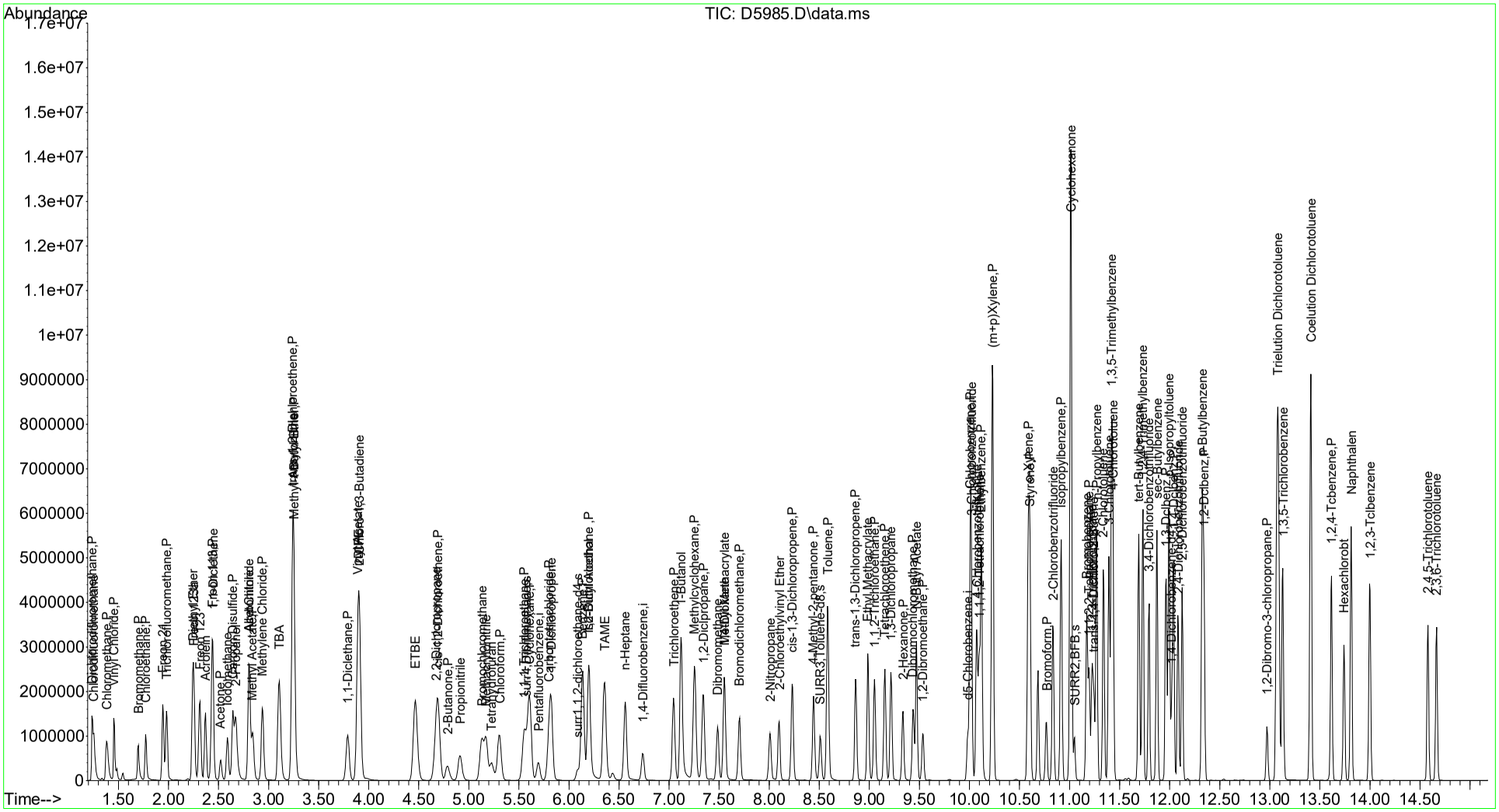
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) p-Isopropyltoluene	11.990	119	2682042	210.085	ug/L	97
105) 1,3-Dclbenz	11.965	146	1521110	203.198	ug/L	99
106) 1,4-Dclbenz	12.038	146	1545154	199.976	ug/L	98
107) 2,4-Dichlorobenzotrifl...	12.087	214	785897	197.337	ug/L	99
108) 2,5-Dichlorobenzotrifl...	12.124	214	879202	196.738	ug/L	99
109) n-Butylbenzene	12.325	91	2374132	232.527	ug/L	98
110) 1,2-Dclbenz	12.343	146	1541918	198.230	ug/L	98
111) 1,2-Dibromo-3-chloropr...	12.971	157	256227	203.214	ug/L	96
112) Trielution Dichlorotol...	13.081	125	4005972	650.467	ug/L	98
113) 1,3,5-Trichlorobenzene	13.130	180	1208079	202.529	ug/L	98
114) Coelution Dichlorotoluene	13.410	125	2945735	429.446	ug/L	98
115) 1,2,4-Tcbenzene	13.617	180	1181765	202.848	ug/L	99
116) Hexachlorobt	13.739	225	479620	183.578	ug/L	97
117) Naphthalen	13.812	128	3359457	208.018	ug/L	99
118) 1,2,3-Tclbenzene	14.001	180	1161605	201.159	ug/L	100
119) 2,4,5-Trichlorotoluene	14.581	159	745767	197.284	ug/L	98
120) 2,3,6-Trichlorotoluene	14.666	159	668757	193.099	ug/L	97

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5985.D
Acq On : 28 May 2024 06:10 pm
Operator : F.NAEGLER
Sample : 200 PPB STD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 29 09:16:33 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu May 16 14:56:42 2024
Response via : Initial Calibration



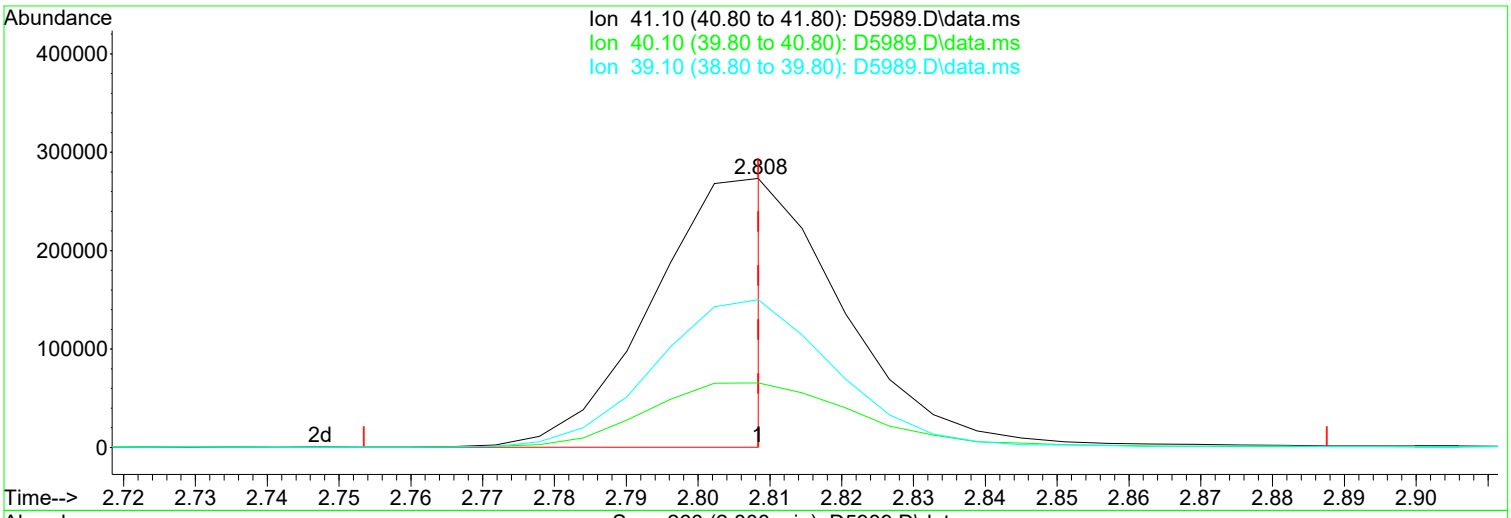
1st FN 05/29/24
2nd 05/29/24

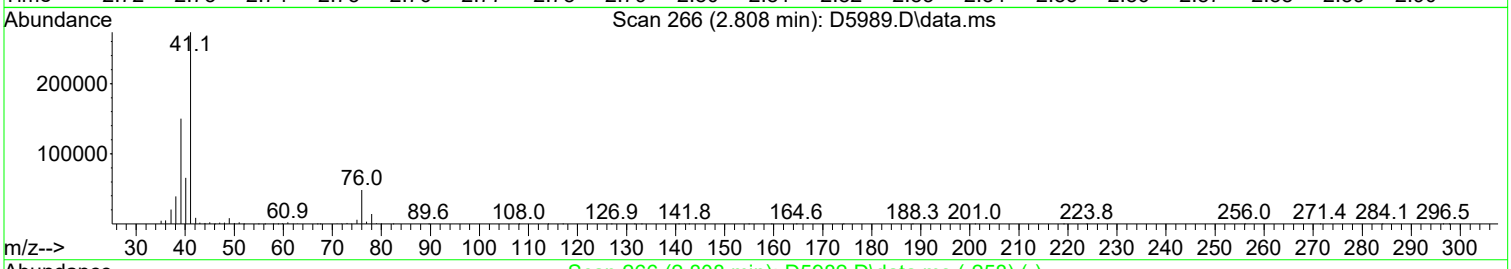
1st FN 05/29/24
2nd 05/29/24

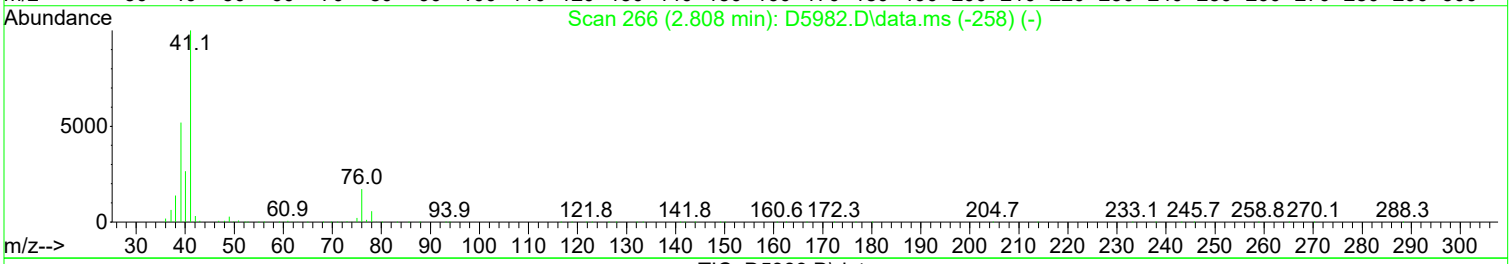
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5989.D
Acq On : 28 May 2024 07:41 pm
Operator : F.NAEGLER
Sample : 50 PPB ICV
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: May 29 10:05:04 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 29 09:21:22 2024
Response via : Initial Calibration







TIC: D5989.D\data.ms

(20) Acetonitrile

2.808min (-0.000) 230.48 ug/L m

response 321301

Ion	Exp%	Act%
41.10	100.00	100.00
40.10	26.70	24.04
39.10	52.10	55.01
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

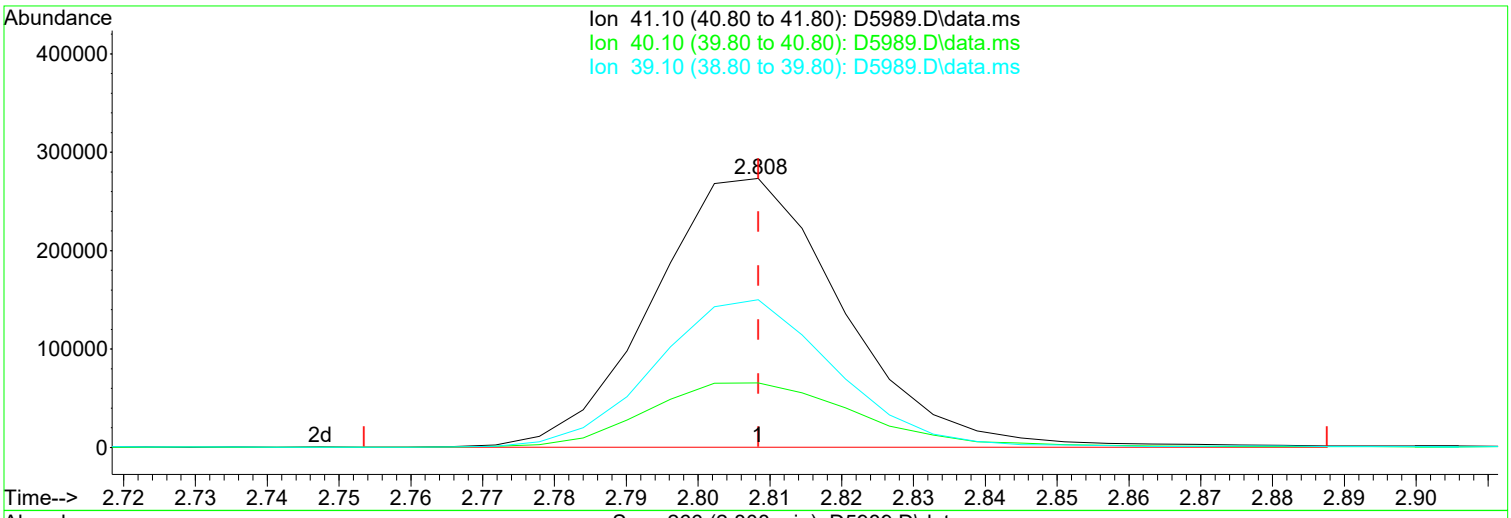
05/29/24

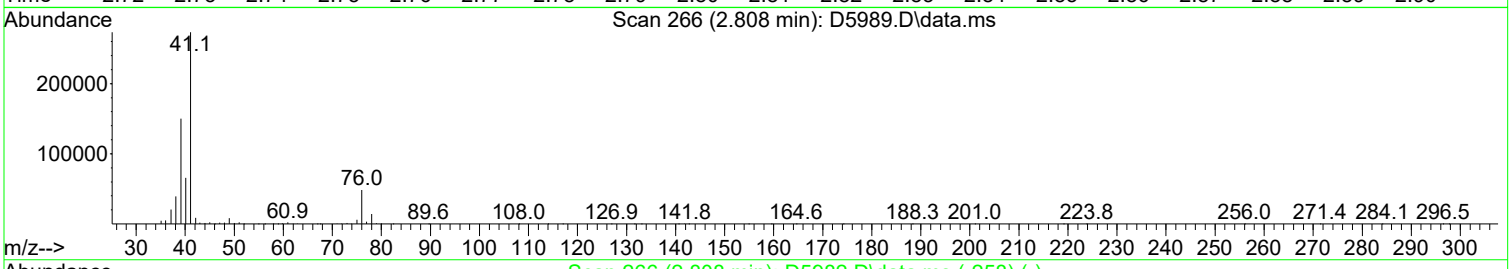
1st FW 05/29/24
2nd 05/29/24

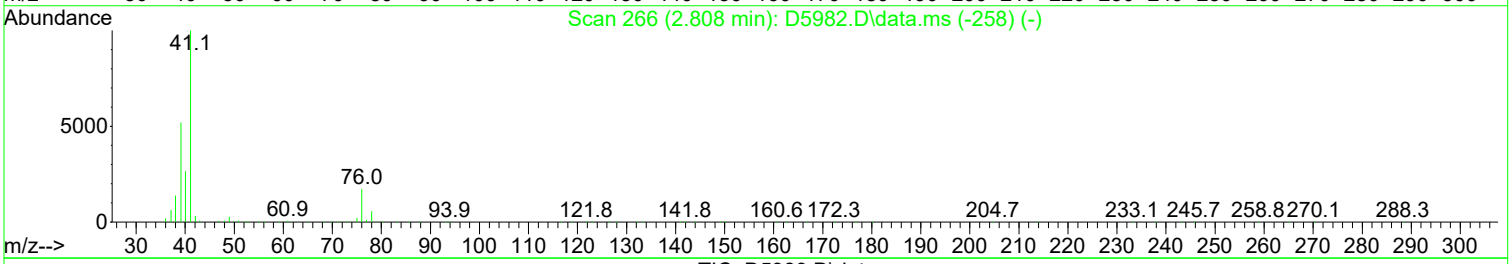
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5989.D
Acq On : 28 May 2024 07:41 pm
Operator : F.NAEGLER
Sample : 50 PPB ICV
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: May 29 10:05:04 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 29 09:21:22 2024
Response via : Initial Calibration







TIC: D5989.D\data.ms

(20) Acetonitrile

2.808min (-0.000) 363.45 ug/L

response 506663

Ion	Exp%	Act%
41.10	100.00	100.00
40.10	26.70	24.04
39.10	52.10	55.01
0.00	0.00	0.00

Manual Integration:

Before

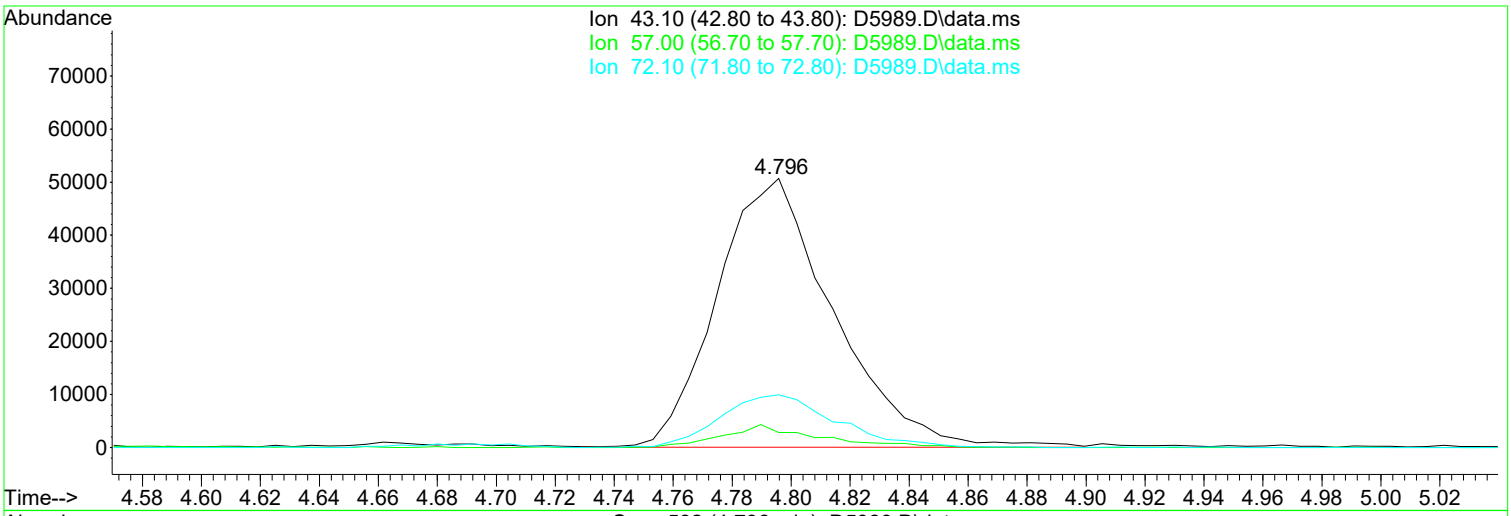
05/29/24

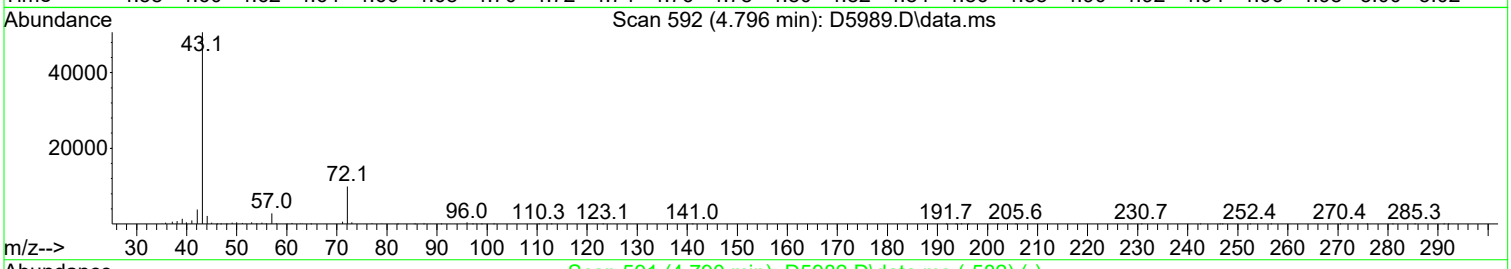
1st FN 05/29/24
2nd 05/29/24

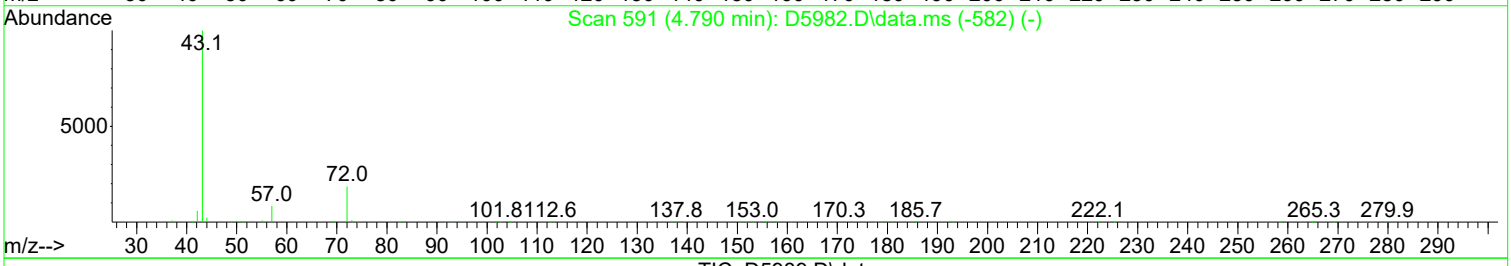
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5989.D
Acq On : 28 May 2024 07:41 pm
Operator : F.NAEGLER
Sample : 50 PPB ICV
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: May 29 10:05:04 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 29 09:21:22 2024
Response via : Initial Calibration







TIC: D5989.D\data.ms

(35) 2-Butanone (P)

4.796min (+ 0.006) 42.65 ug/L m

response 138914

Ion	Exp%	Act%
43.10	100.00	100.00
57.00	8.40	5.61
72.10	18.90	19.58
0.00	0.00	0.00

Manual Integration:

After

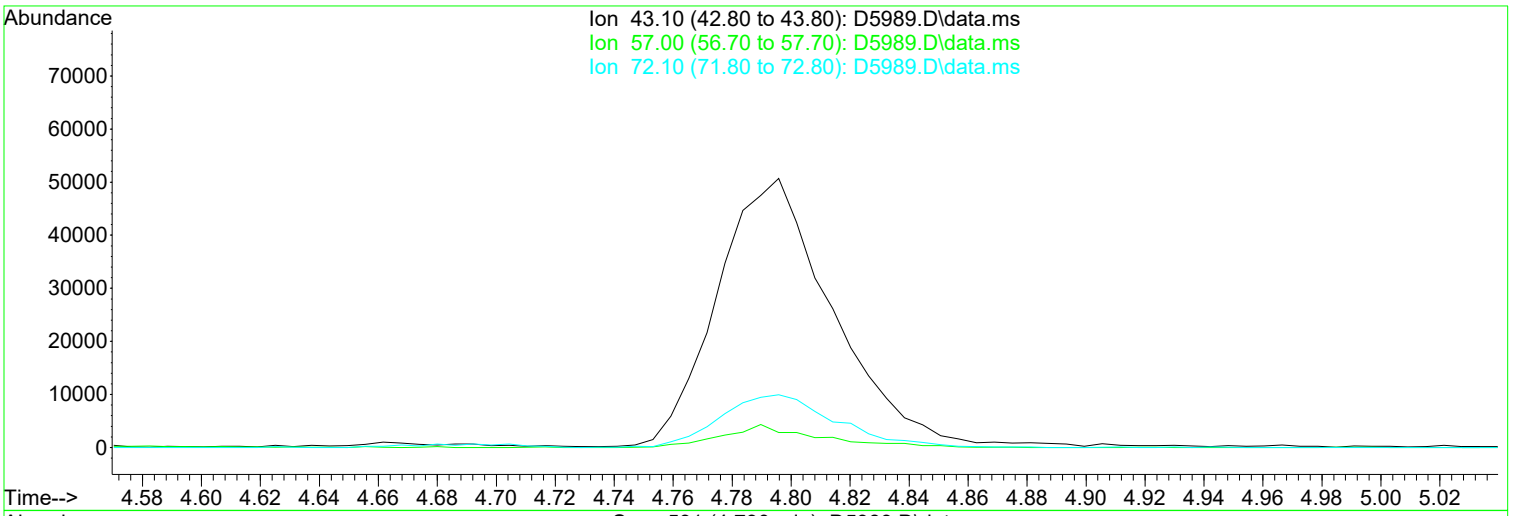
Peak not found.

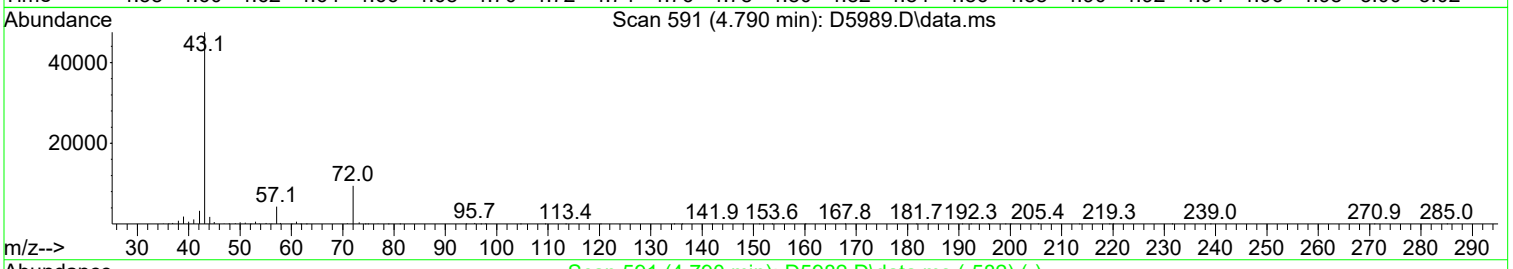
05/29/24

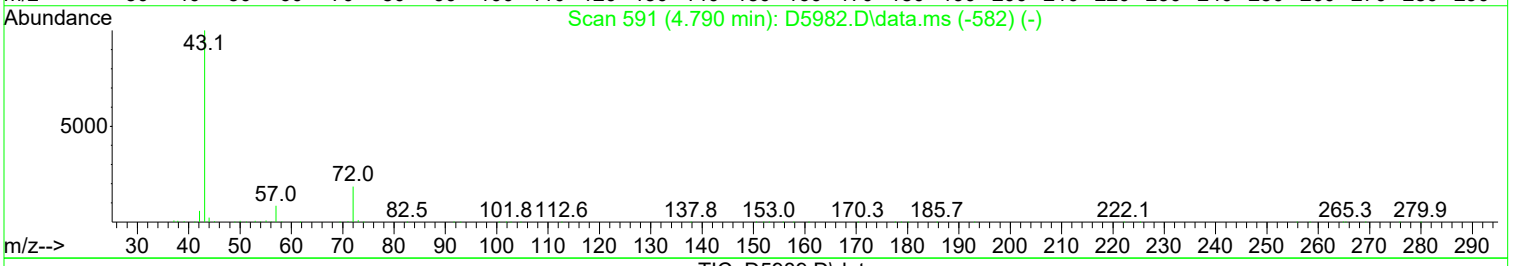
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5989.D
Acq On : 28 May 2024 07:41 pm
Operator : F.NAEGLER
Sample : 50 PPB ICV
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: May 29 10:05:04 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 29 09:21:22 2024
Response via : Initial Calibration







TIC: D5989.D\data.ms

(35) 2-Butanone (P)

4.790min (-4.790) 0.00 ug/L

response 0

Ion	Exp%	Act%
43.10	100.00	0.00
57.00	8.40	0.00
72.10	18.90	0.00
0.00	0.00	0.00

Manual Integration:

Before

05/29/24

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5989.D
Acq On : 28 May 2024 07:41 pm
Operator : F.NAEGLER
Sample : 50 PPB ICV
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: May 29 10:05:04 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 29 09:21:22 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	i	Pentafluorobenzene	50.000	50.000	0.0	113	0.00
2		Chlorodifluoromethane	50.000	56.329	-12.7	119	0.00
3	P	Dichlorodifluoromethane	50.000	58.908	-17.8	114	0.00
4	P	Chloromethane	50.000	47.595	4.8	97	0.00
5	P	Vinyl Chloride	50.000	44.861	10.3	91	0.00
6	P	Bromomethane	50.000	49.928	0.1	110	0.00
7	P	Chloroethane	50.000	35.030	29.9#	74	0.00
8		Freon 21	50.000	45.147	9.7	98	0.00
9	P	Trichlorofluoromethane	50.000	45.897	8.2	96	0.00
10		Diethyl Ether	50.000	44.523	11.0	93	0.00
11		Freon 123a	50.000	52.413	-4.8	113	0.00
12		Freon 123	50.000	59.719	-19.4	131	0.00
13		Acrolein	250.000	85.132	65.9#	37	0.00
14		1,1-Diclethene	50.000	43.169	13.7	93	0.00
15	P	Freon 113	50.000	43.424	13.2	90	0.00
16	P	Acetone	50.000	39.688	20.6#	95	0.00
17		2-Propanol	1000.000	854.424	14.6	89	0.00
18		Iodomethane	50.000	39.093	21.8#	83	0.00
19	P	Carbon Disulfide	50.000	45.415	9.2	101	0.00
20		Acetonitrile	250.000	230.480	7.8	92	0.00
21		Allyl Chloride	50.000	50.049	-0.1	100	0.00
22	P	Methyl Acetate	50.000	32.625	34.8#	69	0.00
23	P	Methylene Chloride	50.000	45.572	8.9	97	0.00
24		TBA	1000.000	794.104	20.6#	87	0.00
25		Acrylonitrile	250.000	211.187	15.5	88	0.00
26	P	Methyl-t-Butyl Ether	50.000	43.794	12.4	91	0.00
27	P	trans-1,2-Dichloroethene	50.000	41.628	16.7	90	0.00
28	P	1,1-Diclethane	50.000	44.058	11.9	95	0.00
29		Vinyl Acetate	50.000	54.088	-8.2	111	0.00
30		DIPE	50.000	39.668	20.7#	83	0.00
31		2-Chloro-1,3-Butadiene	50.000	44.044	11.9	96	0.00
32		ETBE	50.000	37.291	25.4#	78	0.00
33		2,2-Dichloropropane	50.000	43.841	12.3	94	0.00
34	P	cis-1,2-Dichloroethene	50.000	43.965	12.1	96	0.00
35	P	2-Butanone	50.000	42.649	14.7	96	0.00
36		Propionitrile	250.000	204.874	18.1	88	0.00
37		Bromochloromethane	50.000	43.994	12.0	94	0.00
38		Methacrylonitrile	50.000	42.603	14.8	91	0.00
39		Tetrahydrofuran	50.000	40.033	19.9	86	0.00
40	P	Chloroform	50.000	43.582	12.8	96	0.00
41	P	1,1,1-Trichloroethane	50.000	45.182	9.6	96	0.00
42	i	1,4-Difluorobenzene	50.000	50.000	0.0	111	0.00
43	P	Cyclohexane	50.000	49.768	0.5	107	0.00
44	s	surr4,Dibrflmethane	50.000	47.179	5.6	105	0.00
45	P	Carbontetrachloride	50.000	44.030	11.9	96	0.00
46		1,1-Dichloropropene	50.000	41.317	17.4	91	0.00
47	s	surr1,1,2-dichloroethane-d4	50.000	46.203	7.6	103	0.00
48	P	Benzene	50.000	45.794	8.4	97	0.00
49	P	1,2-Dichloroethane	50.000	42.433	15.1	90	0.00
50		Iso-Butyl Alcohol	1000.000	827.998	17.2	84	0.00
51		TAME	50.000	40.624	18.8	86	0.00

1st FNJ 05/29/24
2nd WR 05/29/24

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5989.D
Acq On : 28 May 2024 07:41 pm
Operator : F.NAEGLER
Sample : 50 PPB ICV
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: May 29 10:05:04 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 29 09:21:22 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
52		n-Heptane	50.000	42.269	15.5	91	0.00
53		1-Butanol	2500.000	2024.682	19.0	77	0.00
54	P	Trichloroethene	50.000	45.028	9.9	94	0.00
55	P	Methylcyclohexane	50.000	49.559	0.9	108	0.00
56	P	1,2-Diclpropane	50.000	44.127	11.7	94	0.00
57		Dibromomethane	50.000	43.959	12.1	92	0.00
58		1,4-Dioxane	1000.000	773.150	22.7#	83	0.00
59		Methyl Methacrylate	50.000	45.157	9.7	93	0.00
60	P	Bromodichloromethane	50.000	43.543	12.9	93	0.00
61		2-Nitropropane	100.000	85.481	14.5	86	0.00
62		2-Chloroethylvinyl Ether	50.000	46.461	7.1	97	0.00
63	P	cis-1,3-Dichloropropene	50.000	45.345	9.3	93	0.00
64	P	4-Methyl-2-pentanone	50.000	45.378	9.2	97	0.00
65	s	SURR3,Toluene-d8	50.000	47.914	4.2	108	0.00
66	P	Toluene	50.000	45.983	8.0	95	0.00
67	P	trans-1,3-Dichloropropene	50.000	47.221	5.6	93	0.00
68		Ethyl Methacrylate	50.000	44.430	11.1	92	0.00
69	P	1,1,2-Trichloroethane	50.000	44.339	11.3	91	0.00
70	s	SURR2,BFB	50.000	47.338	5.3	106	0.00
71	i	d5-Chlorobenzene	50.000	50.000	0.0	112	0.00
72	P	Tetrachloroethene	50.000	46.208	7.6	97	0.00
73	P	2-Hexanone	50.000	44.319	11.4	97	0.00
74		1,3-Dichloropropane	50.000	43.661	12.7	91	0.00
75	P	Dibromochloromethane	50.000	45.590	8.8	92	0.00
76		N-Butyl Acetate	50.000	45.054	9.9	95	0.00
77	P	1,2-Dibromoethane	50.000	41.615	16.8	89	0.00
78		3-Chlorobenzotrifluoride	50.000	40.463	19.1	87	0.00
79	P	Chlorobenzene	50.000	43.597	12.8	94	0.00
80		4-Chlorobenzotrifluoride	50.000	39.575	20.8#	87	0.00
81		1,1,1,2-Tetrachloroethane	50.000	43.773	12.5	91	0.00
82	P	Ethylbenzene	50.000	44.869	10.3	96	0.00
83	P	(m+p)Xylene	100.000	91.950	8.0	96	0.00
84	P	o-Xylene	50.000	45.972	8.1	95	0.00
85	P	Styrene	50.000	46.614	6.8	95	0.00
86	P	Bromoform	50.000	45.855	8.3	99	0.00
87		2-Chlorobenzotrifluoride	50.000	40.563	18.9	87	0.00
88	P	Isopropylbenzene	50.000	44.902	10.2	95	0.00
89		Cyclohexanone	1000.000	957.839	4.2	93	0.00
90		trans-1,4-Dichloro-2-Butene	50.000	36.203	27.6#	81	0.00
91	i	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	110	0.00
92	P	1,1,2,2-Tetrachloroethane	50.000	40.628	18.7	85	0.00
93		Bromobenzene	50.000	44.087	11.8	94	0.00
94		1,2,3-Trichloropropane	50.000	43.243	13.5	91	0.00
95		n-Propylbenzene	50.000	45.545	8.9	94	0.00
96		2-Chlorotoluene	50.000	45.106	9.8	94	0.00
97		3-Chlorotoluene	50.000	41.897	16.2	88	0.00
98		4-Chlorotoluene	50.000	44.737	10.5	95	0.00
99		1,3,5-Trimethylbenzene	50.000	45.772	8.5	94	0.00
100		tert-Butylbenzene	50.000	45.483	9.0	96	0.00
101		1,2,4-Trimethylbenzene	50.000	45.376	9.2	93	0.00

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\msvoa10\data\052824\
Data File : D5989.D
Acq On : 28 May 2024 07:41 pm
Operator : F.NAEGLER
Sample : 50 PPB ICV
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: May 29 10:05:04 2024
Quant Method : I:\ACQUDATA\msvoa10\Methods\W052824.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 29 09:21:22 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
102		3,4-Dichlorobenzotrifluorid	50.000	39.901	20.2#	87	0.00
103		sec-Butylbenzene	50.000	46.021	8.0	94	0.00
104		p-Isopropyltoluene	50.000	45.954	8.1	94	0.00
105	P	1,3-Dclbenz	50.000	44.763	10.5	95	0.00
106	P	1,4-Dclbenz	50.000	43.508	13.0	94	0.00
107		2,4-Dichlorobenzotrifluorid	50.000	40.879	18.2	86	0.00
108		2,5-Dichlorobenzotrifluorid	50.000	40.276	19.4	90	0.00
109		n-Butylbenzene	50.000	45.873	8.3	94	0.00
110	P	1,2-Dclbenz	50.000	43.372	13.3	92	0.00
111	P	1,2-Dibromo-3-chloropropane	50.000	39.249	21.5#	82	0.00
112		Trielution Dichlorotoluene	150.000	124.801	16.8	85	0.00
113		1,3,5-Trichlorobenzene	50.000	39.194	21.6#	85	0.00
114		Coelution Dichlorotoluene	100.000	82.187	17.8	85	0.00
115	P	1,2,4-Tcbenzene	50.000	43.228	13.5	89	0.00
116		Hexachlorobt	50.000	42.249	15.5	89	0.00
117		Naphthalen	50.000	43.111	13.8	88	0.00
118		1,2,3-Tclbenzene	50.000	42.301	15.4	89	0.00
119		2,4,5-Trichlorotoluene	50.000	42.162	15.7	83	0.00
120		2,3,6-Trichlorotoluene	50.000	52.544	-5.1	106	0.00

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

ALS Group USA, Corp.

DBA ALS Environmetal

QC/QC Report

Date Analyzed: 5/28/24 14:10

ICAL Tune Summary
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\msvoa10\data\052824\D5975.D Analytical Method: 8260C/624.1

Instrument ID: R-MS-10

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Results Pass/Fail
50	95	15	40	22.1	33907	PASS
75	95	30	60	47.9	73512	PASS
95	95	100	100	100.0	153539	PASS
96	95	5	9	6.8	10469	PA55
173	174	0	2	1.1	1684	PA55
174	95	50	120	96.3	147885	PA55
175	174	5	9	7.0	10403	PASS
176	174	95	101	97.5	144195	PASS
177	176	5	9	6.4	9195	PASS

Sample Name	Lab Code	File ID:	Date Analyzes:	Q
ICALBLK	ICALBLK	I:\ACQUDATA\MSVOA10\DATA\052824\D5976.D	5/28/24 14:46	
0.5 PPB STD	0.5 PPB STD	I:\ACQUDATA\msvoa10\data\052824\D5977.D	5/28/24 15:08	
1 PPB STD	1 PPB STD	I:\ACQUDATA\msvoa10\data\052824\D5978.D	5/28/24 15:31	
2 PPB STD	2 PPB STD	I:\ACQUDATA\msvoa10\data\052824\D5979.D	5/28/24 15:S4	
5 PPB STD	5 PPB STD	I:\ACQUDATA\msvoa10\data\052824\D5980.D	5/28/24 16:17	
20 PPB STD	20 PPB STD	I:\ACQUDATA\msvoa10\data\052824\D5981.D	5/28/24 16:39	
50 PPB 5TD	50 PPB STD	I:\ACQUDATA\msvoa10\data\052824\D5982.D	5/28/24 17:02	
100 PPB STD	100 PPB STD	I:\ACQUDATA\msvoa10\data\052824\D5983.D	5/28/24 17:25	
150 PPB STD	150 PPB STD	I:\ACQUDATA\msvoa10\data\052824\D5984.D	5/28/24 17:48	
200 PPB STD	200 PPB STD	I:\ACQUDATA\MSVOA10\DATA\052824\D5985.D	5/28/24 18:10	
50 PPB ICV	50 PPB ICV	I:\ACQUDATA\msvoa10\data\052824\D5989.D	5/28/24 19:41	

Analysis: 8260/624 | Analyst: F/Nagy | pH strips: — | Tune Method: WD52824.M

Date: 5/28/24 | Balance ID: — | ResCl strips: — | Run Method: ↓

Instr. MS10 | 50 mL Class A used for dilution FV | Syringes: 177417 / 218709 | LIMS Run# : —

Data Path: j:\acqudata\msvoa(InstID)\(Date)

Pos.	Sample	Diln.	Diln. Prep./	RL	Vial	HS	CI	pH	File#	OK?	Comments
1	BLK								D5973	Y	
2	↓								74	Y	
3	TUNE								75	Y	
4	ICAL BLK								76	Y	
5	0.5 ppb std								77	Y	
6	1.0								78	Y	
7	2.0								79	Y	
8	5.0								80	Y	
9	20								81	Y	
10	50								82	Y	
11	100								83	Y	
12	150								84	Y	
13	200 ↓								85	Y	
14	BLK								86	Y	
15	↓								87	Y	
16	↓								88	Y	
17	50 ppb ICV								89	Y	
18	BLK								90	Y	

WATER ICAL TABLE

CONC (PPB)	0.5	1.0	2.0	5.0	20	50	100	150	200
1° T/G = 235345	10mL/1mL → 5mL/50mL DI	MeOH 10mL/50mL DI	20mL/50mL DI	50mL/50mL DI	2mL/50mL DI	5mL/50mL DI	10mL/50mL DI	15mL/50mL DI	20mL/50mL DI
1° HSL = 235449	↓	↓	↓	↓	↓	↓	↓	↓	↓
1° Fr = 235448	↓	↓	↓	↓	↓	↓	↓	↓	↓
1° OCC = 234334	↓	↓	↓	↓	↓	↓	↓	↓	↓
1° 236-TCT = 234897	↓	↓	↓	↓	↓	↓	↓	↓	↓

All samples = 5 mL + 5 uL combined IS/ 5 mL purged

Combined IS/Surr : —

Fr T/G 5/28/24

Primary See Table Above

Primary :

Primary :

Primary :

Primary :

Fr Secondary 200 : 235446 - 12.5uL

T/G Secondary 500 : 235335 - 5uL

HSL Secondary : 235447 -

OCC Secondary : 234088 -

236-TCT Secondary : 234915 - / 5mL (ICV)

Surrogate 50ppb 235255

Internal Std 50 : 235256

Reagents: MeOH: 233141

Client: Stantec Consulting Group, Inc. **Service Request:** R2404779
Project: RTP **Calibration Date:** 5/28/2024

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC2400100 **Signal ID:** 1
Instrument ID: R-MS-10

#	Lab Code	Sample Name	File Location	Acquisition Date
01	RC2400100-01	0.5 PPB STD	I:\ACQUDATA\msvoa10\data\052824\D5977.D	05/28/2024 15:08
02	RC2400100-02	1 PPB STD	I:\ACQUDATA\msvoa10\data\052824\D5978.D	05/28/2024 15:31
03	RC2400100-03	2 PPB STD	I:\ACQUDATA\msvoa10\data\052824\D5979.D	05/28/2024 15:54
04	RC2400100-04	5 PPB STD	I:\ACQUDATA\msvoa10\data\052824\D5980.D	05/28/2024 16:17
05	RC2400100-05	20 PPB STD	I:\ACQUDATA\msvoa10\data\052824\D5981.D	05/28/2024 16:39
06	RC2400100-06	50 PPB STD	I:\ACQUDATA\msvoa10\data\052824\D5982.D	05/28/2024 17:02
07	RC2400100-07	100 PPB STD	I:\ACQUDATA\msvoa10\data\052824\D5983.D	05/28/2024 17:25
08	RC2400100-08	150 PPB STD	I:\ACQUDATA\msvoa10\data\052824\D5984.D	05/28/2024 17:48
09	RC2400100-09	200 PPB STD	I:\ACQUDATA\msvoa10\data\052824\D5985.D	05/28/2024 18:10

Analyte

1,1,1-Trichloroethane (TCA)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.5143	02	1.000	0.5064	03	2.000	0.5535	04	5.000	0.5844
05	20.000	0.5439	06	50.000	0.6029	07	100.000	0.6269	08	150.000	0.5833
09	200.000	0.6107									

1,1,2,2-Tetrachloroethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.8659	02	1.000	0.8744	03	2.000	0.8435	04	5.000	0.8744
05	20.000	0.8641	06	50.000	0.9249	07	100.000	0.9247	08	150.000	0.855
09	200.000	0.8877									

1,1,2-Trichloroethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.2577	02	1.000	0.2415	03	2.000	0.278	04	5.000	0.2701
05	20.000	0.2844	06	50.000	0.3041	07	100.000	0.3068	08	150.000	0.2926
09	200.000	0.3046									

1,1-Dichloroethane (1,1-DCA)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.705	02	1.000	0.7145	03	2.000	0.7053	04	5.000	0.7304
05	20.000	0.7536	06	50.000	0.786	07	100.000	0.8224	08	150.000	0.7605
09	200.000	0.796									

1,1-Dichloroethene (1,1-DCE)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.3935	02	1.000	0.3332	03	2.000	0.3124	04	5.000	0.3458
05	20.000	0.3376	06	50.000	0.3697	07	100.000	0.3825	08	150.000	0.3559
09	200.000	0.3689									

1,2-Dichloroethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.4399	02	1.000	0.4665	03	2.000	0.4213	04	5.000	0.442
05	20.000	0.4432	06	50.000	0.4797	07	100.000	0.4935	08	150.000	0.4578
09	200.000	0.4737									

Client: Stantec Consulting Group, Inc. **Service Request:** R2404779
Project: RTP **Calibration Date:** 5/28/2024

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC2400100 **Signal ID:** 1
Instrument ID: R-MS-10

Analyte

1,2-Dichloropropane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.3219	02	1.000	0.2996	03	2.000	0.2955	04	5.000	0.3174
05	20.000	0.3198	06	50.000	0.3354	07	100.000	0.3465	08	150.000	0.3269
09	200.000	0.3441									

2-Butanone (MEK)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	5.000	0.3702	05	20.000	0.3357	06	50.000	0.3802	07	100.000	0.4023
08	150.000	0.3792	09	200.000	0.401						

2-Hexanone

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
03	2.000	0.3251	04	5.000	0.3968	05	20.000	0.3928	06	50.000	0.4489
07	100.000	0.4959	08	150.000	0.4812	09	200.000	0.5077			

4-Bromofluorobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	10.000	0.5149	05	20.000	0.4018	06	50.000	0.4472	07	100.000	0.4564
08	200.000	0.4351									

4-Methyl-2-pentanone

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
03	2.000	0.4467	04	5.000	0.4644	05	20.000	0.4979	06	50.000	0.5564
07	100.000	0.5928	08	150.000	0.5844	09	200.000	0.6054			

Acetone

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	5.000	0.3242	05	20.000	0.2695	06	50.000	0.2846	07	100.000	0.329
08	150.000	0.293	09	200.000	0.3089						

Benzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.9923	02	1.000	1.136	03	2.000	1.028	04	5.000	1.109
05	20.000	1.1	06	50.000	1.169	07	100.000	1.216	08	150.000	1.133
09	200.000	1.174									

Bromodichloromethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.3753	02	1.000	0.404	03	2.000	0.3436	04	5.000	0.3625
05	20.000	0.3755	06	50.000	0.3992	07	100.000	0.415	08	150.000	0.3938
09	200.000	0.4146									

Bromoform

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
02	1.000	0.2124	03	2.000	0.211	04	5.000	0.1872	05	20.000	0.2088
06	50.000	0.2439	07	100.000	0.2695	08	150.000	0.2565	09	200.000	0.2826

Client: Stantec Consulting Group, Inc. **Service Request:** R2404779
Project: RTP **Calibration Date:** 5/28/2024

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC2400100 **Signal ID:** 1
Instrument ID: R-MS-10

Analyte

Bromomethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
02	1.000	0.4305	03	2.000	0.3369	04	5.000	0.3411	05	20.000	0.2747
06	50.000	0.2472	07	100.000	0.228	08	150.000	0.2107	09	200.000	0.2282

Carbon Disulfide

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	1.147	02	1.000	0.9874	03	2.000	1.02	04	5.000	1.102
05	20.000	1.064	06	50.000	1.12	07	100.000	1.198	08	150.000	1.118
09	200.000	1.15									

Carbon Tetrachloride

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.4151	02	1.000	0.389	03	2.000	0.3279	04	5.000	0.3202
05	20.000	0.3122	06	50.000	0.3665	07	100.000	0.3821	08	150.000	0.3639
09	200.000	0.3795									

Chlorobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.8877	02	1.000	0.9588	03	2.000	0.8863	04	5.000	0.9343
05	20.000	0.9213	06	50.000	0.9821	07	100.000	0.9916	08	150.000	0.9241
09	200.000	0.9536									

Chloroethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.4143	02	1.000	0.3961	03	2.000	0.3418	04	5.000	0.4067
05	20.000	0.3884	06	50.000	0.4299	07	100.000	0.4349	08	150.000	0.3809
09	200.000	0.4129									

Chloroform

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	1.13	02	1.000	0.8788	03	2.000	0.8316	04	5.000	0.6824
05	20.000	0.6841	06	50.000	0.7083	07	100.000	0.7266	08	150.000	0.6745
09	200.000	0.7094									

Chloromethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.593	02	1.000	0.6546	03	2.000	0.5825	04	5.000	0.6312
05	20.000	0.6485	06	50.000	0.7338	07	100.000	0.7339	08	150.000	0.6709
09	200.000	0.6967									

Dibromochloromethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.2591	02	1.000	0.2895	03	2.000	0.2869	04	5.000	0.3006
05	20.000	0.3198	06	50.000	0.3649	07	100.000	0.3835	08	150.000	0.3624
09	200.000	0.3816									

Client: Stantec Consulting Group, Inc. **Service Request:** R2404779
Project: RTP **Calibration Date:** 5/28/2024

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC2400100 **Signal ID:** 1
Instrument ID: R-MS-10

Analyte

Dibromofluoromethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	10.000	0.3578	05	20.000	0.283	06	50.000	0.306	07	100.000	0.3099
08	200.000	0.2896									

Dichloromethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.3841	02	1.000	0.3756	03	2.000	0.3678	04	5.000	0.4109
05	20.000	0.3899	06	50.000	0.4222	07	100.000	0.4294	08	150.000	0.3947
09	200.000	0.4144									

Ethylbenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.4333	02	1.000	0.5072	03	2.000	0.4356	04	5.000	0.4828
05	20.000	0.4643	06	50.000	0.5042	07	100.000	0.5067	08	150.000	0.4795
09	200.000	0.4974									

Styrene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.8952	02	1.000	0.8698	03	2.000	0.8671	04	5.000	0.9506
05	20.000	0.9998	06	50.000	1.091	07	100.000	1.12	08	150.000	1.041
09	200.000	1.088									

Tetrachloroethene (PCE)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.2464	02	1.000	0.262	03	2.000	0.2576	04	5.000	0.27
05	20.000	0.263	06	50.000	0.2904	07	100.000	0.293	08	150.000	0.2734
09	200.000	0.2817									

Toluene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	1.212	02	1.000	1.131	03	2.000	1.103	04	5.000	1.229
05	20.000	1.203	06	50.000	1.311	07	100.000	1.336	08	150.000	1.25
09	200.000	1.28									

Toluene-d8

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	10.000	1.406	05	20.000	1.116	06	50.000	1.181	07	100.000	1.194
08	200.000	1.109									

Trichloroethene (TCE)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.2572	02	1.000	0.313	03	2.000	0.2866	04	5.000	0.3041
05	20.000	0.2913	06	50.000	0.3194	07	100.000	0.3228	08	150.000	0.3045
09	200.000	0.3173									

Vinyl Chloride

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.5008	02	1.000	0.5764	03	2.000	0.4932	04	5.000	0.555

Client: Stantec Consulting Group, Inc. **Service Request:** R2404779
Project: RTP **Calibration Date:** 5/28/2024

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC2400100 **Signal ID:** 1
Instrument ID: R-MS-10

Analyte

Vinyl Chloride

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
05	20.000	0.5462	06	50.000	0.6359	07	100.000	0.645	08	150.000	0.5912
09	200.000	0.6086									

cis-1,2-Dichloroethene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.4467	02	1.000	0.4133	03	2.000	0.3916	04	5.000	0.4412
05	20.000	0.4193	06	50.000	0.4493	07	100.000	0.4637	08	150.000	0.4272
09	200.000	0.4515									

cis-1,3-Dichloropropene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.3759	02	1.000	0.4213	03	2.000	0.3737	04	5.000	0.3965
05	20.000	0.4207	06	50.000	0.4741	07	100.000	0.509	08	150.000	0.4885
09	200.000	0.5093									

m,p-Xylenes

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.5371	02	2.000	0.5029	03	4.000	0.5518	04	10.000	0.5872
05	40.000	0.5942	06	100.000	0.6252	07	200.000	0.6403	08	300.000	0.5944
09	400.000	0.616									

o-Xylene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.4842	02	1.000	0.4962	03	2.000	0.521	04	5.000	0.5661
05	20.000	0.5945	06	50.000	0.6142	07	100.000	0.6328	08	150.000	0.5853
09	200.000	0.6151									

trans-1,2-Dichloroethene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.3938	02	1.000	0.3568	03	2.000	0.3473	04	5.000	0.3769
05	20.000	0.3731	06	50.000	0.3967	07	100.000	0.4079	08	150.000	0.374
09	200.000	0.3975									

trans-1,3-Dichloropropene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.3853	02	1.000	0.337	03	2.000	0.297	04	5.000	0.3396
05	20.000	0.3654	06	50.000	0.4293	07	100.000	0.4683	08	150.000	0.452
09	200.000	0.4785									

Client: Stantec Consulting Group, Inc. **Service Request:** R2404779
Project: RTP **Calibration Date:** 5/28/2024

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC2400100 **Signal ID:** 1
Instrument ID: R-MS-10

Analyte Name	Compound Type	Calibration Evaluation				Calibration Evaluation	
		Fit Type	Eval	Eval Result	Control Criteria	Average RRF	Minimum RRF
1,1,1-Trichloroethane (TCA)	TRG	Average RF	% RSD	7.5	≤20	0.5696	0.100
1,1,2,2-Tetrachloroethane	TRG	Average RF	% RSD	3.3	≤20	0.8794	0.300
1,1,2-Trichloroethane	TRG	Average RF	% RSD	8.0	≤20	0.2822	0.100
1,1-Dichloroethane (1,1-DCA)	TRG	Average RF	% RSD	5.6	≤20	0.7526	0.200
1,1-Dichloroethene (1,1-DCE)	TRG	Average RF	% RSD	7.3	≤20	0.3555	0.100
1,2-Dichloroethane	TRG	Average RF	% RSD	5.0	≤20	0.4575	0.100
1,2-Dichloropropane	TRG	Average RF	% RSD	5.5	≤20	0.323	0.100
2-Butanone (MEK)	TRG	Average RF	% RSD	6.5	≤20	0.3781	0.05
2-Hexanone	TRG	Quadratic	COD	0.9983	≥0.99	0.4355	0.05
4-Bromofluorobenzene	SURR	Average RF	% RSD	9.1	≤20	0.4511	
4-Methyl-2-pentanone	TRG	Average RF	% RSD	12.1	≤20	0.5354	0.05
Acetone	TRG	Average RF	% RSD	7.7	≤20	0.3016	0.05
Benzene	TRG	Average RF	% RSD	6.3	≤20	1.117	0.500
Bromodichloromethane	TRG	Average RF	% RSD	6.3	≤20	0.387	0.200
Bromoform	TRG	Average RF	% RSD	14.5	≤20	0.234	0.100
Bromomethane	TRG	Quadratic	COD	0.9947	≥0.99	0.2872	0.100
Carbon Disulfide	TRG	Average RF	% RSD	6.1	≤20	1.101	0.100
Carbon Tetrachloride	TRG	Average RF	% RSD	9.6	≤20	0.3618	0.05
Chlorobenzene	TRG	Average RF	% RSD	4.0	≤20	0.9378	0.500
Chloroethane	TRG	Average RF	% RSD	7.1	≤20	0.4007	0.100
Chloroform	TRG	Quadratic	COD	0.9986	≥0.99	0.7806	0.200
Chloromethane	TRG	Average RF	% RSD	8.3	≤20	0.6606	0.100
Dibromochloromethane	TRG	Average RF	% RSD	14.2	≤20	0.3276	0.100
Dibromofluoromethane	SURR	Average RF	% RSD	9.5	≤20	0.3092	
Dichloromethane	TRG	Average RF	% RSD	5.4	≤20	0.3988	0.100
Ethylbenzene	TRG	Average RF	% RSD	6.1	≤20	0.479	0.100
Styrene	TRG	Average RF	% RSD	10.1	≤20	0.9914	0.300
Tetrachloroethene (PCE)	TRG	Average RF	% RSD	5.7	≤20	0.2708	0.200
Toluene	TRG	Average RF	% RSD	6.3	≤20	1.228	0.400
Toluene-d8	SURR	Average RF	% RSD	10.0	≤20	1.201	
Trichloroethene (TCE)	TRG	Average RF	% RSD	6.9	≤20	0.3018	0.200
Vinyl Chloride	TRG	Average RF	% RSD	9.4	≤20	0.5725	0.100
cis-1,2-Dichloroethene	TRG	Average RF	% RSD	5.2	≤20	0.4338	0.100
cis-1,3-Dichloropropene	TRG	Average RF	% RSD	12.5	≤20	0.441	0.200

Client: Stantec Consulting Group, Inc. **Service Request:** R2404779
Project: RTP **Calibration Date:** 5/28/2024

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC2400100 **Signal ID:** 1
Instrument ID: R-MS-10

Analyte Name	Compound Type	Calibration Evaluation				Calibration Evaluation	
		Fit Type	Eval	Eval Result	Control Criteria	Average RRF	Minimum RRF
m,p-Xylenes	TRG	Average RF	% RSD	7.6	≤20	0.5832	0.100
o-Xylene	TRG	Average RF	% RSD	9.6	≤20	0.5677	0.300
trans-1,2-Dichloroethene	TRG	Average RF	% RSD	5.3	≤20	0.3804	0.100
trans-1,3-Dichloropropene	TRG	Quadratic	COD	0.9940	≥0.99	0.3947	0.100

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Stantec Consulting Group, Inc. **Service Request:** R2404779
Project: RTP **Calibration Date:** 5/28/2024

Initial Calibration Verification Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC2400100 **Signal ID:** 1
Instrument ID: R-MS-10

#	Lab Code	Sample Name	File Location	Acquisition Date
10	RC2400100-10	50 PPB ICV	I:\ACQUDATA\msvoa10\data\052824\D5989.D	05/28/2024 19:41

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
1,1,1-Trichloroethane (TCA)	50.0	45.2	5.696E-1	5.147E-1	-9.635	±30	Average RF
1,1,2,2-Tetrachloroethane	50.0	40.6	8.794E-1	7.146E-1	-18.744	±30	Average RF
1,1,2-Trichloroethane	50.0	44.3	2.822E-1	2.502E-1	-11.322	±30	Average RF
1,1-Dichloroethane (1,1-DCA)	50.0	44.1	7.526E-1	6.632E-1	-11.885	±30	Average RF
1,1-Dichloroethene (1,1-DCE)	50.0	43.2	3.555E-1	3.069E-1	-13.662	±30	Average RF
1,2-Dichloroethane	50.0	42.4	4.575E-1	3.883E-1	-15.134	±30	Average RF
1,2-Dichloropropane	50.0	44.1	3.23E-1	2.851E-1	-11.745	±30	Average RF
2-Butanone (MEK)	50.0	42.6	3.781E-1	3.225E-1	-14.702	±30	Average RF
2-Hexanone	50.0	44.3	4.355E-1	3.886E-1	-11.363	±30	Quadratic
4-Methyl-2-pentanone	50.0	45.4	5.354E-1	4.859E-1	-9.244	±30	Average RF
Acetone	50.0	39.7	3.016E-1	2.394E-1	-20.625	±30	Average RF
Benzene	50.0	45.8	1.117E0	1.023E0	-8.412	±30	Average RF
Bromodichloromethane	50.0	43.5	3.87E-1	3.371E-1	-12.914	±30	Average RF
Bromoform	50.0	45.9	2.34E-1	2.146E-1	-8.290	±30	Average RF
Bromomethane	50.0	49.9	2.872E-1	2.409E-1	-0.144	±30	Quadratic
Carbon Disulfide	50.0	45.4	1.101E0	9.997E-1	-9.169	±30	Average RF
Carbon Tetrachloride	50.0	44.0	3.618E-1	3.186E-1	-11.939	±30	Average RF
Chlorobenzene	50.0	43.6	9.378E-1	8.177E-1	-12.806	±30	Average RF
Chloroethane	50.0	35.0	4.007E-1	2.807E-1	-29.939	±30	Average RF
Chloroform	50.0	43.6	7.806E-1	6.009E-1	-12.837	±30	Quadratic
Chloromethane	50.0	47.6	6.606E-1	6.288E-1	-4.810	±30	Average RF
Dibromochloromethane	50.0	45.6	3.276E-1	2.987E-1	-8.820	±30	Average RF
Dichloromethane	50.0	45.6	3.988E-1	3.635E-1	-8.855	±30	Average RF
Ethylbenzene	50.0	44.9	4.79E-1	4.299E-1	-10.261	±30	Average RF
Styrene	50.0	46.6	9.914E-1	9.243E-1	-6.771	±30	Average RF
Tetrachloroethene (PCE)	50.0	46.2	2.708E-1	2.503E-1	-7.584	±30	Average RF
Toluene	50.0	46.0	1.228E0	1.13E0	-8.035	±30	Average RF
Trichloroethene (TCE)	50.0	45.0	3.018E-1	2.718E-1	-9.943	±30	Average RF
Vinyl Chloride	50.0	44.9	5.725E-1	5.136E-1	-10.278	±30	Average RF
cis-1,2-Dichloroethene	50.0	44.0	4.338E-1	3.814E-1	-12.070	±30	Average RF
cis-1,3-Dichloropropene	50.0	45.3	4.41E-1	3.999E-1	-9.311	±30	Average RF
m,p-Xylenes	100	91.9	5.832E-1	5.363E-1	-8.050	±30	Average RF
o-Xylene	50.0	46.0	5.677E-1	5.22E-1	-8.057	±30	Average RF

Client: Stantec Consulting Group, Inc. **Service Request:** R2404779
Project: RTP **Calibration Date:** 5/28/2024

Initial Calibration Verification Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC2400100 **Signal ID:** 1
Instrument ID: R-MS-10

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
trans-1,2-Dichloroethene	50.0	41.6	3.804E-1	3.167E-1	-16.745	±30	Average RF
trans-1,3-Dichloropropene	50.0	47.2	3.947E-1	3.606E-1	-5.557	±30	Quadratic

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
4-Bromofluorobenzene	50.0	47.3	4.511E-1	4.271E-1	-5.324	±30	Average RF
Dibromofluoromethane	50.0	47.2	3.092E-1	2.918E-1	-5.642	±30	Average RF
Toluene-d8	50.0	47.9	1.201E0	1.151E0	-4.172	±30	Average RF

Client: Stantec Consulting Group, Inc.
Project: RTP/190500390.465

Service Request: R2404779
Date Analyzed: 06/05/24 09:55

Continuing Calibration Verification (CCV) Summary
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
File ID: I:\ACQUDATA\msvoa10\data\060524\D6281.D\
Signal ID: 1

Calibration Date: 5/28/2024
Calibration ID: RC2400100
Analysis Lot: 843076
Units: ug/L

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
1,1,1-Trichloroethane (TCA)	50.0	49.9	0.5696	0.569	-0.1	NA	±20	Average RF
1,1,2,2-Tetrachloroethane	50.0	41.3	0.8794	0.7258	-17.5	NA	±20	Average RF
1,1,2-Trichloroethane	50.0	47.7	0.2822	0.2694	-4.6	NA	±20	Average RF
1,1-Dichloroethane (1,1-DCA)	50.0	49.2	0.7526	0.7409	-1.6	NA	±20	Average RF
1,1-Dichloroethene (1,1-DCE)	50.0	49.2	0.3555	0.35	-1.5	NA	±20	Average RF
1,2-Dichloroethane	50.0	48.9	0.4575	0.4479	-2.1	NA	±20	Average RF
1,2-Dichloropropane	50.0	46.8	0.323	0.3026	-6.3	NA	±20	Average RF
2-Butanone (MEK)	50.0	41.7	0.3781	0.3155	-16.6	NA	±20	Average RF
2-Hexanone	50.0	40.2	0.4355	0.3509	NA	-19.5	±20	Quadratic
4-Methyl-2-pentanone	50.0	42.4	0.5354	0.4544	-15.1	NA	±20	Average RF
Acetone	50.0	37.8	0.3016	0.2282	-24.3*	NA	±20	Average RF
Benzene	50.0	49.0	1.1174	1.0945	-2.1	NA	±20	Average RF
Bromodichloromethane	50.0	47.4	0.387	0.367	-5.2	NA	±20	Average RF
Bromoform	50.0	42.1	0.234	0.1972	-15.7	NA	±20	Average RF
Bromomethane	50.0	48.6	0.2872	0.2349	NA	-2.7	±20	Quadratic
Carbon Disulfide	50.0	54.1	1.1006	1.1914	8.2	NA	±20	Average RF
Carbon Tetrachloride	50.0	46.5	0.3618	0.3365	-7.0	NA	±20	Average RF
Chlorobenzene	50.0	47.2	0.9378	0.8847	-5.7	NA	±20	Average RF
Chloroethane	50.0	50.2	0.4007	0.4022	0.4	NA	±20	Average RF
Chloroform	50.0	48.8	0.7806	0.6736	NA	-2.3	±20	Quadratic
Chloromethane	50.0	50.5	0.6606	0.6666	0.9	NA	±20	Average RF
Dibromochloromethane	50.0	47.6	0.3276	0.3118	-4.8	NA	±20	Average RF
Dichloromethane	50.0	50.3	0.3988	0.4012	0.6	NA	±20	Average RF
Ethylbenzene	50.0	48.3	0.479	0.4629	-3.4	NA	±20	Average RF
Styrene	50.0	48.9	0.9914	0.97	-2.2	NA	±20	Average RF
Tetrachloroethene (PCE)	50.0	48.8	0.2708	0.2641	-2.5	NA	±20	Average RF
Toluene	50.0	49.3	1.2282	1.2105	-1.4	NA	±20	Average RF
Trichloroethene (TCE)	50.0	49.0	0.3018	0.2958	-2.0	NA	±20	Average RF
Vinyl Chloride	50.0	52.0	0.5725	0.5958	4.1	NA	±20	Average RF
cis-1,2-Dichloroethene	50.0	48.2	0.4338	0.4177	-3.7	NA	±20	Average RF
cis-1,3-Dichloropropene	50.0	50.2	0.441	0.4427	0.4	NA	±20	Average RF
m,p-Xylenes	100	96.4	0.5832	0.562	-3.6	NA	±20	Average RF
o-Xylene	50.0	49.4	0.5677	0.561	-1.2	NA	±20	Average RF
trans-1,2-Dichloroethene	50.0	48.2	0.3804	0.3665	-3.7	NA	±20	Average RF
trans-1,3-Dichloropropene	50.0	51.8	0.3947	0.3991	NA	3.5	±20	Quadratic

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit

Client:	Stantec Consulting Group, Inc.	**Service Request:**	R2404779
Project:	RTP/190500390.465	**Date Analyzed:**	06/05/24 09:55

Continuing Calibration Verification (CCV) Summary
Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	**Calibration Date:**	5/28/2024
File ID:	I:\ACQUDATA\msvoa10\data\060524\D6281.D\	**Calibration ID:**	RC2400100
Signal ID:	1	**Analysis Lot:**	843076
		Units:	ug/L

4-Bromofluorobenzene	50.0	47.2	0.4511	0.4259	-5.6	NA	±20	Average RF
Dibromofluoromethane	50.0	46.9	0.3092	0.2902	-6.1	NA	±20	Average RF
Toluene-d8	50.0	46.8	1.2012	1.1254	-6.3	NA	±20	Average RF

Client: Stantec Consulting Group, Inc. **Service Request:**R2404779
Project: RTP/190500390.465

Analysis Run Log
Volatile Organic Compounds by GC/MS

Analysis Method: **Analysis Lot:**843076
Instrument ID:R-MS-10

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
I:\ACQUDATA\msvoa10\data\060524\D6280.D\	ZZZZZZZ	ZZZZZZZ	6/5/2024	09:22:00	
I:\ACQUDATA\msvoa10\data\060524\D6281.D\	Continuing Calibration Verification	RQ2406335-02	6/5/2024	09:55:00	
I:\ACQUDATA\msvoa10\data\060524\D6282.D\	ZZZZZZZ	ZZZZZZZ	6/5/2024	10:29:00	
I:\ACQUDATA\msvoa10\data\060524\D6283.D\	Lab Control Sample	RQ2406335-04	6/5/2024	10:52:00	
I:\ACQUDATA\msvoa10\data\060524\D6284.D\	ZZZZZZZ	ZZZZZZZ	6/5/2024	11:26:00	
I:\ACQUDATA\msvoa10\data\060524\D6285.D\	ZZZZZZZ	ZZZZZZZ	6/5/2024	11:59:00	
I:\ACQUDATA\msvoa10\data\060524\D6286.D\	Method Blank	RQ2406335-07	6/5/2024	12:22:00	
I:\ACQUDATA\msvoa10\data\060524\D6287.D\	Trip Blank	R2404779-003	6/5/2024	12:54:00	
I:\ACQUDATA\msvoa10\data\060524\D6288.D\	RTP-PDW109-GW	R2404779-001	6/5/2024	13:17:00	
I:\ACQUDATA\msvoa10\data\060524\D6289.D\	TRP-DUP-GW	R2404779-002	6/5/2024	13:40:00	
I:\ACQUDATA\msvoa10\data\060524\D6290.D\	RTP-PDW109-GW MS	RQ2406335-08	6/5/2024	14:02:00	
I:\ACQUDATA\msvoa10\data\060524\D6291.D\	RTP-PDW109-GW DMS	RQ2406335-09	6/5/2024	14:25:00	

APPENDIX C

Data Usability Summary Report

DATA USABILITY SUMMARY REPORT (DUSR)
FOR
SAMPLES COLLECTED
AT
ROCHESTER TECH PARK
SDG: R2404779

This report presents the data validation results of analytical data for samples collected June 4 2024 from the Rochester Tech Park (Site) located in Rochester, New York. Samples were collected by Stantec Consulting (Stantec) and submitted for analysis to ALS Environmental in Rochester, New York. One (1) groundwater RTP-PDW109-GW, and associated quality control (QC) samples (1 groundwater duplicate, and 1 trip blank) were collected and analyzed for volatile organic compounds (VOCs) by USEPA method SW846 8260C.

Stantec conducted data validation and the analytical data were reviewed based on the results of the data evaluation parameters and/or the QC sample results provided by the laboratory. The data quality evaluation is presented in terms of precision, accuracy, representativeness, comparability, and completeness.

Based on this data validation, data were found to be usable as qualified.

SUMMARY OF DATA VALIDATION

The following sections summarize the procedures and results for evaluating the supporting documentation and analytical data associated with this sample delivery group.

1.0 SUPPORTING DOCUMENTATION

The data review includes evaluation of the specific items noted in The NYS DER-10 Appendix 2B.

The following supporting documents were reviewed:

- Chain of custody
- Case Narrative
- Sample/cooler receipt form
- Statement of quality assurance

Copies of the chain of custody forms and sample/cooler receipt forms were provided. A statement of quality assurance was provided by way of the laboratory project manager's signature on the cover of the report.

2.0 DATA QUALITY EVALUATION

The precision, accuracy, representativeness, comparability, and completeness of the analytical data were verified and qualified based on results of the following data evaluation parameters or QC samples (as applicable):

- Holding Times
- Laboratory control sample (LCS) recoveries
- Matrix Spike Recoveries
- Sample preservation
- Sample analytical holding times
- Method blank results
- Field (blind) duplicate sample results
- Reporting limits (RL)
- Instrument tunes
- Calibration Standards (associated with validated samples)
- Method compliance
- Surrogate and Internal Standard recoveries
- Sample Results Verification

Validation Data Qualifiers applied to the data may include:

U The analyte was analyzed for, but was not detected above the level of the associated reported quantitation limit.

J	The analyte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.
J-	The analyte was positively identified; the associated numerical value is an estimated quantity that may be biased low.
J+	The analyte was positively identified; the associated numerical value is an estimated quantity that may be biased high.
UJ	The analyte was analyzed for but was not detected. The associated reported quantitation limit is approximate and may be inaccurate or imprecise.
NJ	The detection is tentative in identification and estimated in value. Although there is presumptive evidence of the analyte, the result should be used with caution as a potential false positive and/or elevated quantitative value.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control limits. The analyte may or may not be present.
EMPC	The results do not meet all criteria for a confirmed identification. The quantitative value represents the Estimated Maximum Possible Concentration of the analyte in the sample.

2.1 Precision

Precision evaluates the reproducibility of measurements under a given set of conditions. Laboratory precision was evaluated using RPD calculated between the LCS and LCS Duplicate samples and parent and field duplicate samples or percent relative standard deviation (%RSD) for the initial calibration. One field duplicate was collected. RTP-DUP-GW is a duplicate of RTP-PDW109-GW. All RPDs and %RSDs were acceptable.

2.2 Accuracy

Accuracy is the measure of the bias of a method or the level of agreement between a measurement and a known true value. Accuracy is evaluated by percent recovery (%R) or percent difference (%D). Laboratory accuracy was evaluated (as applicable) using LCS, surrogate recoveries, initial calibration verification (ICV) and continuing calibration verification (CCV). All %Rs were acceptable except for the continuing calibration verification (CCV) of acetone which was outside of acceptance criteria with a low bias. The associated data was qualified "J-".

2.3 Representativeness

Representativeness is a qualitative expression of the degree to which sample data accurately and precisely represent a characteristic of a population, a sampling point or an environmental condition. Representativeness is maximized by ensuring that, for a given project, the number and location of sampling points and sample collection and analysis techniques are appropriate for the specific investigation and that the sampling and analysis program provides information that reflects "true" site conditions. Laboratory data were evaluated for representativeness (as applicable) by assessing compliance with the following: sample preservation; holding time criteria; trip blank sample results; method blank sample results; field duplicate sample results; and RL criteria.

Sample Preservation: Samples were received by the laboratory at 21.5 degrees Celsius (ºC), outside of the acceptance criteria of 4 ºC ± 2 ºC. However, samples were collected and immediately put on ice and delivered by Stantec to the laboratory, not providing sufficient time for cooling to be completed. Therefore, no qualification is necessary.

Holding Time Evaluation: Holding time reflects the length of time after sample collection that a sample or extract remains representative of environmental conditions. Depending on the analysis, either one or two holding times were evaluated. For those analyses that did not require sample extraction, the length of time between sample collection and analysis was evaluated. Holding times were compared to standard method-specific holding times accepted by the USEPA.

Trip Blank Evaluation: A trip blank is a blank solution that is put in the same type of bottle used for VOC sampling and is kept with the set of sample bottles both before and after sample collection. A trip blank was analyzed and was acceptable with no contamination.

Method Blank Evaluation: A method blank contains all reagents used in processing and is carried through the complete analytical procedure for samples. The method blanks did not indicate any detections.

Field Duplicate Evaluation: Refers to two different samples collected at the same time, at the same location, and with the same sampling procedure and is used to check the sampling techniques. A field duplicate sample was collected at an interval of one duplicate for every 20 primary samples. The analytical results of the parent sample and field duplicate were acceptable and within validation guidelines.

Reporting Limit Evaluation: Reporting limits are the minimum concentration of constituents that must be detected per method standard operating procedures. Reporting limits were found to be acceptable.

2.4 Comparability

Comparability is a qualitative parameter that expresses the confidence that one data set may be compared to another and to historical data. For this project, analysis followed standard methods and data were reported using standard units of measure. Sample collection techniques were acceptable. In addition, QC data for this project supports that the data would be comparable to other data representative of this site using similar sample collection and analytical methods.

2.5 Usability

The analytical usability was determined to be 100%.

APPENDIX D

Historical Groundwater Contour Maps

G:\Projects\28452\GIS\2009_1208_TJV_GroundWaterContoursApril2006_D3.mxd

MW-201
577.79

MW-206
581.42

582

580

MW-205
577.04

PDW-110
576.15

578

PDW-109
577.85

576

MW-204
575.92

578

S-1
579.12

576

578

MW-207
576.87

PDW-106
DRY

MW-203
575.44

MW-202
575.56

576

MW-211
575.69

574

574

MW-210
573.97

MW-212
571.94

MW-208
574.16

576

MW-209
575.24

MW-213
573.35

LEGEND:

GROUNDWATER MONITORING WELL

GROUNDWATER ELEVATION CONTOUR (2-ft. INTERVAL)

INFERRED GROUNDWATER ELEVATION CONTOUR (2-ft. INTERVAL)

NOTES:

1. GROUNDWATER LEVEL MEASUREMENTTS TAKEN BY HALEY & ALDRICH ON 20 APRIL 2006.

N
W
E
S

0 75 150

SCALE IN FEET

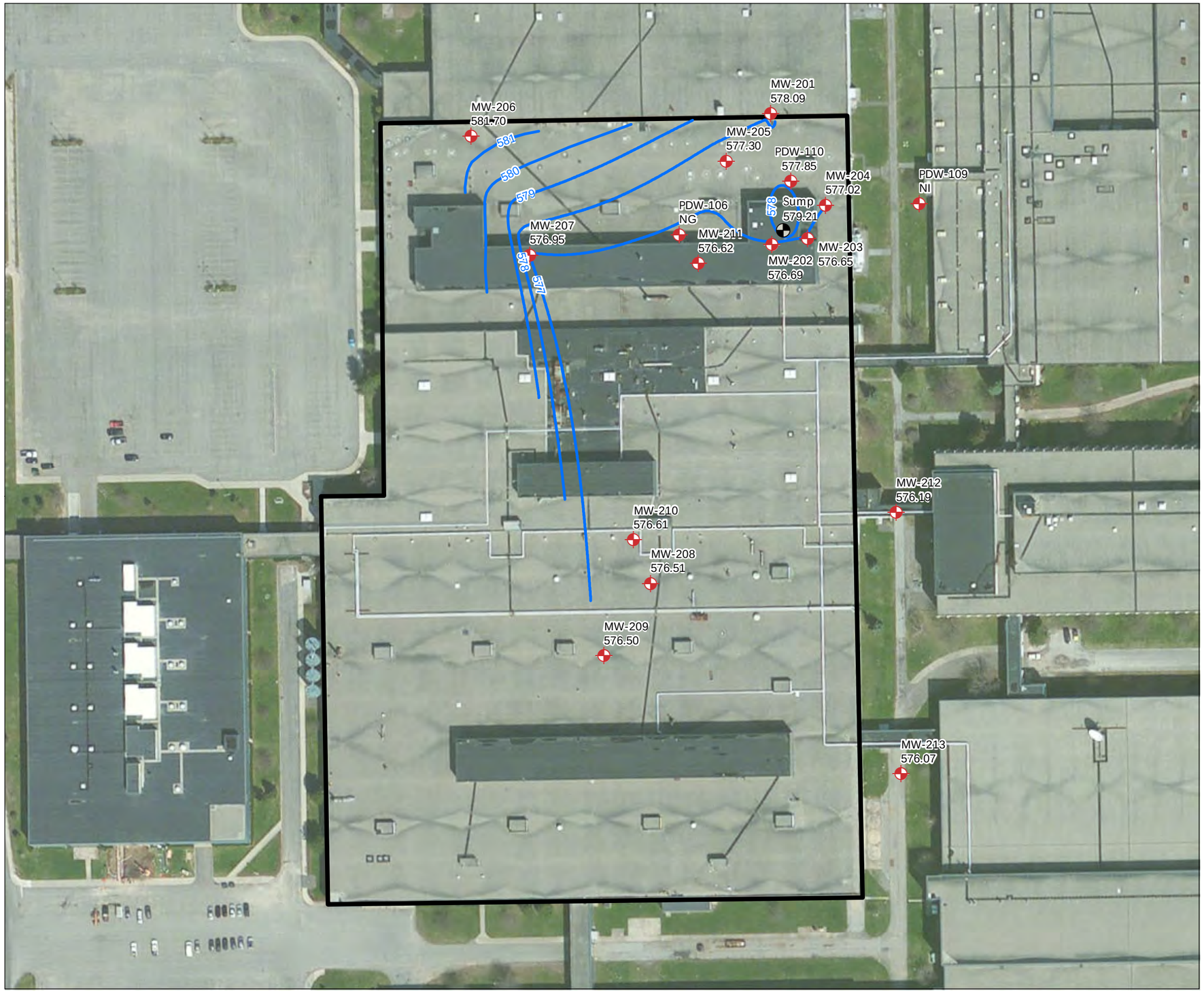
HALEY & ALDRICH

ROCHESTER TECHNOLOGY PARK
BUILDING 4 VOLUNTARY CLEANUP AGREEMENT
GATES, NEW YORK

BUILDING 4: GROUNDWATER ELEVATION DATA (JUNE 2006)

SCALE: AS SHOWN
DECEMBER 2009

FIGURE 5B



Stantec

N

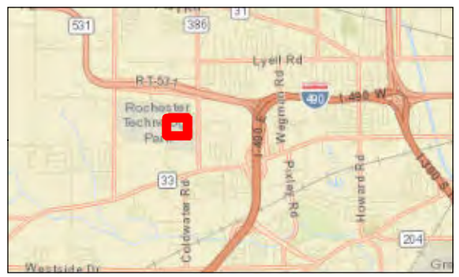
Legend

- MW-204 — Monitoring Well Locations
- Sump Location
- Groundwater Elevation Contour (feet)
- Building 4
- MW-204 577.02 — Groundwater Elevation (feet)

0 100 200 Feet

Notes

1. Coordinate System: NAD 1983 StatePlane New York West FIPS 3103 Feet
2. Contours were developed using water level data collected July 22-23, 2014.
3. "NI" indicates the monitoring well location was gauged but not included in contouring due to unknown top of casing elevation.
4. "NG" indicates the monitoring well located was not gauged.
5. The water level in the sump was assumed to be approximately the elevation of the sump inlet.



Project Location:
Rochester Technology Park
Elmgrove Rd. at Rte. 531 and Buffalo Rd.
Town of Gates, Monroe County, NY

Prepared by LB on 2015-02-17
Technical Review by MPS on 2015-02-23

190500390

Client/Project
Rochester Technology Park Building 4
Site No. V00575-8
Periodic Review Report

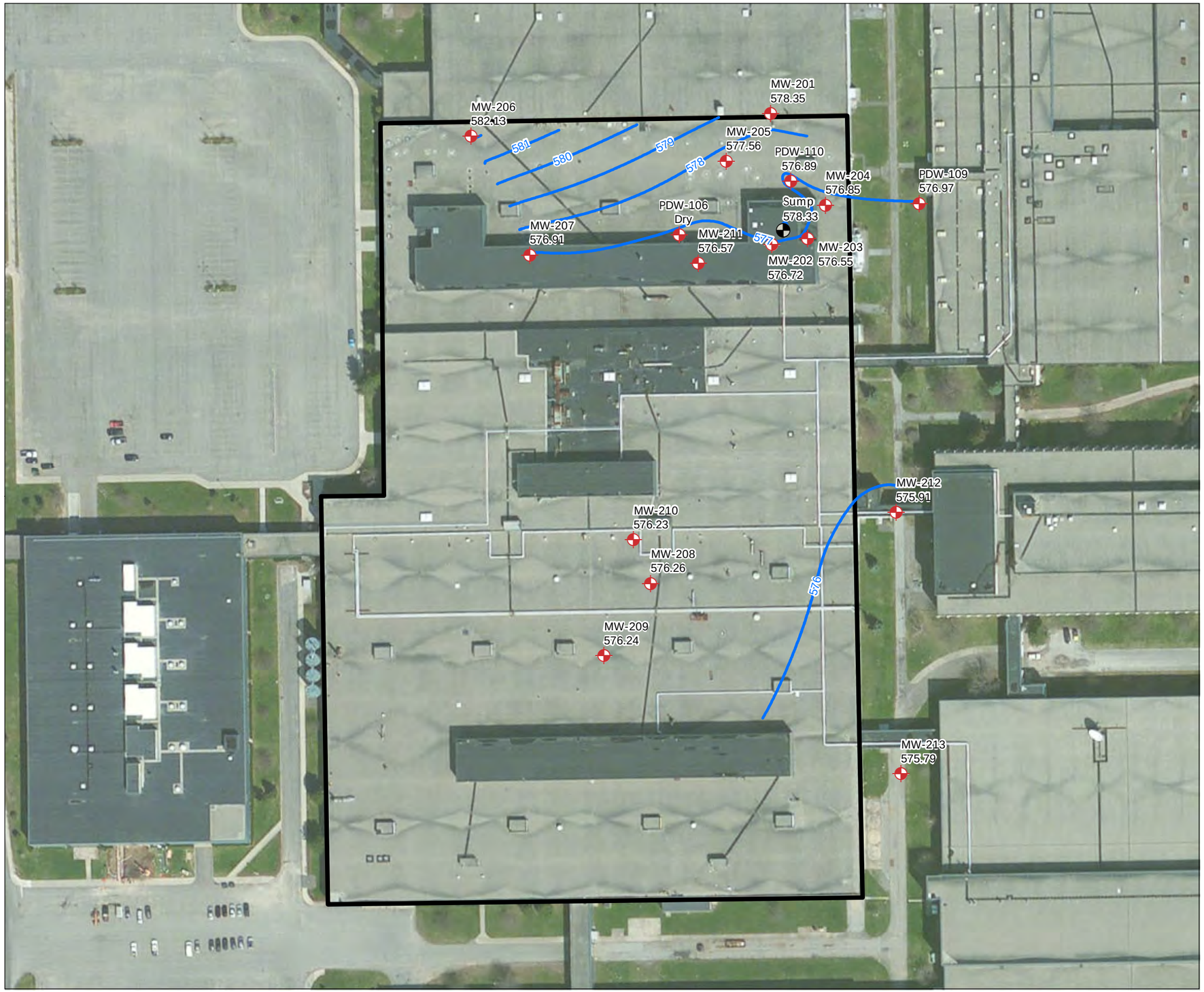
Figure No.
3

DRAFT

Title
Groundwater Contour Map
July 2014

Disclaimer: Stantec assumes no responsibility for data supplied in electronic format. The recipient accepts full responsibility for verifying the accuracy and completeness of the data. The recipient releases Stantec, its officers, employees, consultants and agents, from any and all claims arising in any way from the content or provision of the data.

J:\190500390\GIS\PRR_March2015\Figure 3 - Groundwater Contour Map.mxd Revised: 2015-02-23 By: tbest



Stantec

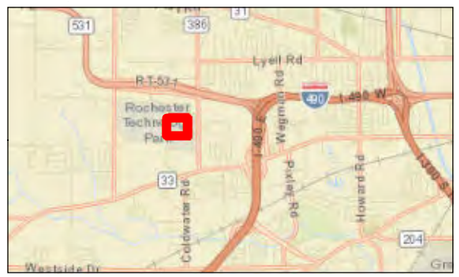
N

Legend

- Monitoring Well Locations
- Sump Location
- Groundwater Elevation Contour (feet)
- Building 4
- MW-204 576.85 — Groundwater Elevation (feet)

0 100 200 Feet

Notes
1. Coordinate System: NAD 1983 StatePlane New York West FIPS 3103 Feet
2. Groundwater elevations were calculated using well survey data from July 28, 2015.
3. Contours were developed using water level data collected July 22-23, 2015 and natural neighbor interpolation. Sump elevation was measured on August 4, 2015 and is not included in the contours.
4. "Dry" indicates the monitoring well was dry during gauging.
5. The water level in the sump was assumed to be approximately the elevation of the sump inlet.



Project Location:
Rochester Technology Park
Elmgrove Rd. at Rte. 531 and Buffalo Rd.
Town of Gates, Monroe County, NY

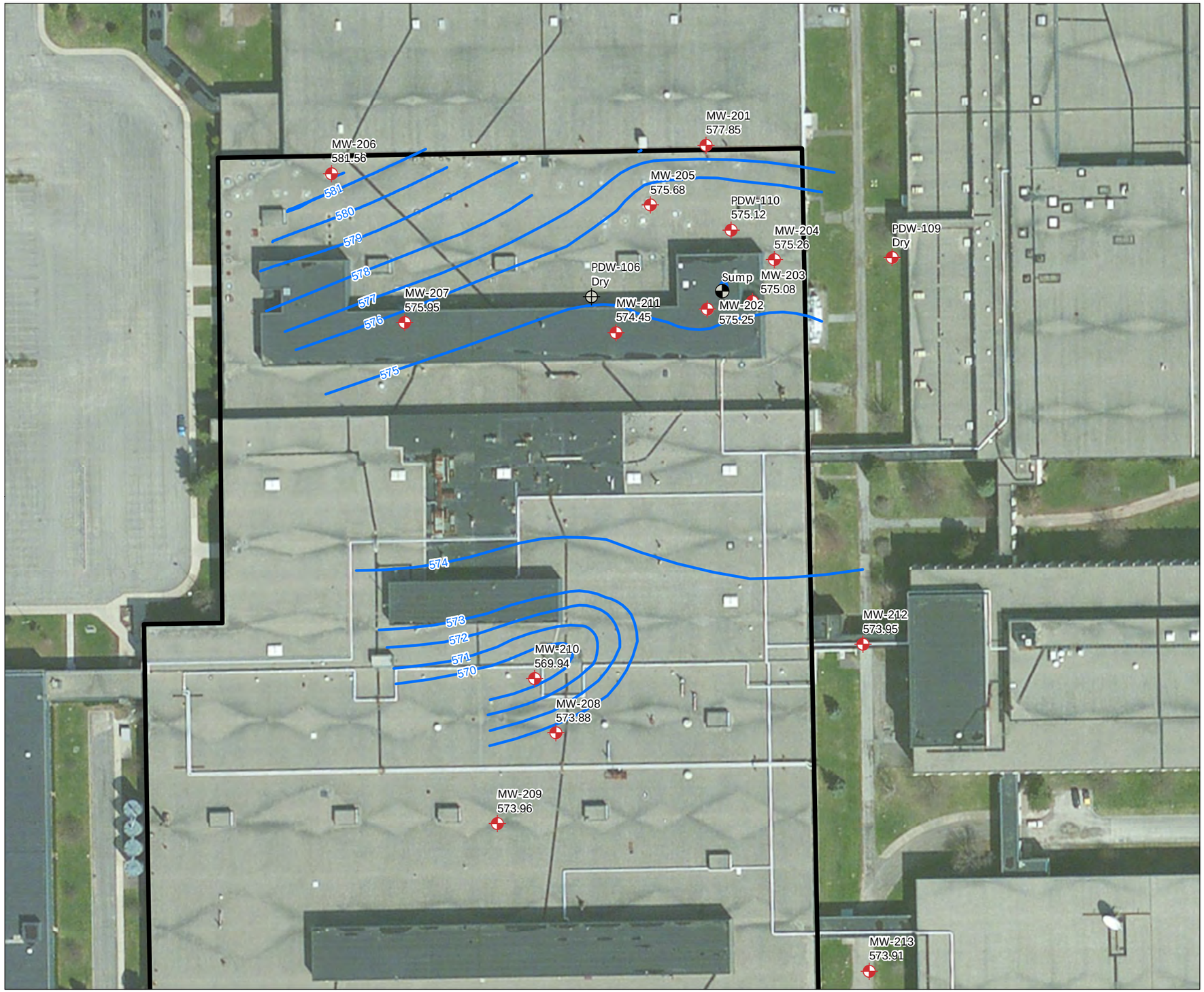
Prepared by AG on 2015-08-10
Technical Review by KP on 2016-02-19

190500390

Client/Project
Rochester Technology Park Building 4
Site No. V00575-8
Periodic Review Report

Figure No.
3

Title
Groundwater Contour Map
July 2015



Stantec

N

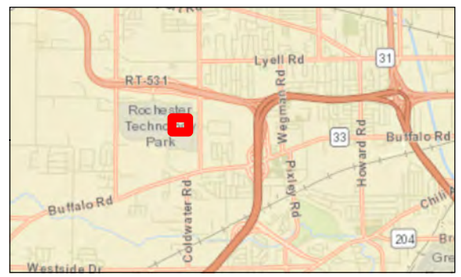
Legend

- Monitoring Well Locations
- Decommissioned Well Locations
- Sump Location
- Groundwater Elevation Contour (feet)
- Building 4
- MW-204 575.26 — Groundwater Elevation (feet)

0 80 160 Feet

Notes

1. Coordinate System: NAD 1983 StatePlane New York West FIPS 3103 Feet
2. Groundwater elevations were calculated using well survey data from August 1, 2016.
3. Contours were developed using water level data collected August 1, 2016. Sump elevation was not measured.
4. "Dry" indicates the monitoring well was dry during gauging.



Project Location:
Rochester Technology Park
Elmgrove Rd. at Rte. 531 and Buffalo Rd.
Town of Gates, Monroe County, NY

Prepared by AN on 2017-02-27
Technical Review by KP on 2017-02-17

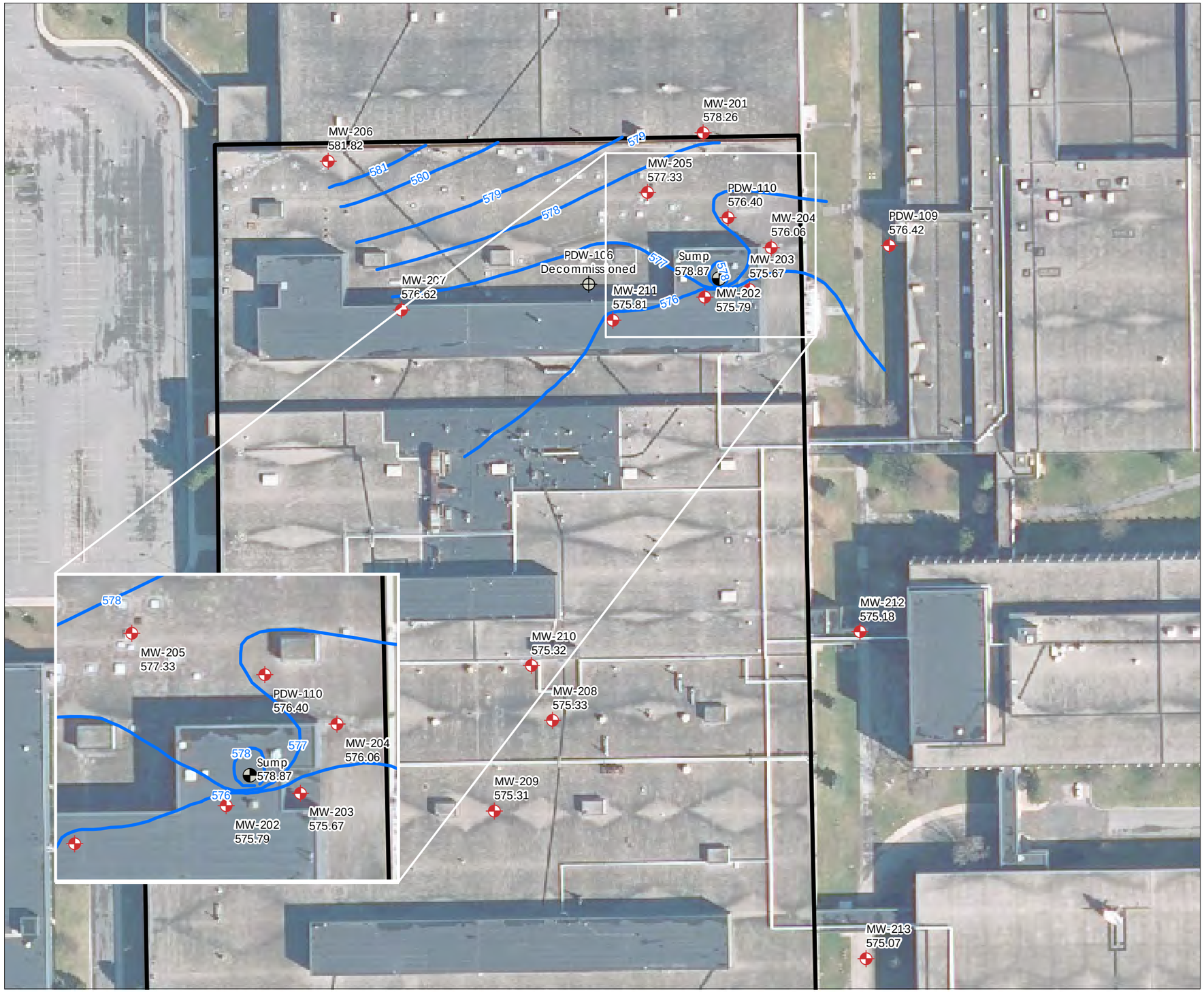
190500390

Client/Project
Rochester Technology Park Building 4
Site No. V00575-8
Periodic Review Report

Figure No.
3

Title
Groundwater Contour Map August 2016

I:\1905\00390\GIS\PRR_2017\Figure 3_Groundwater Contour Map.mxd Revised: 2017-02-27 By: anapietenski



Stantec

N

Legend

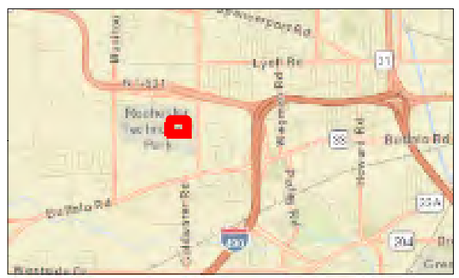
- Decommissioned Well Locations
- Monitoring Well Locations
- Sump Location
- Groundwater Elevation Contour (feet)
- Building 4

MW-204
575.26
Groundwater Elevation (feet)

0 80 160
Feet

Notes

1. Coordinate System: NAD 1983 StatePlane New York West FIPS 3103 Feet
2. Groundwater elevations were calculated using well survey data from August 1, 2016.
3. Contours were developed using water level data collected July 27, 2017.



Project Location:
Rochester Technology Park
Elmgrove Rd. at Rte. 531 and Buffalo Rd.
Town of Gates, Monroe County, NY

Prepared by AN on 2018-04-09
Technical Review by KP on 2018-04-09

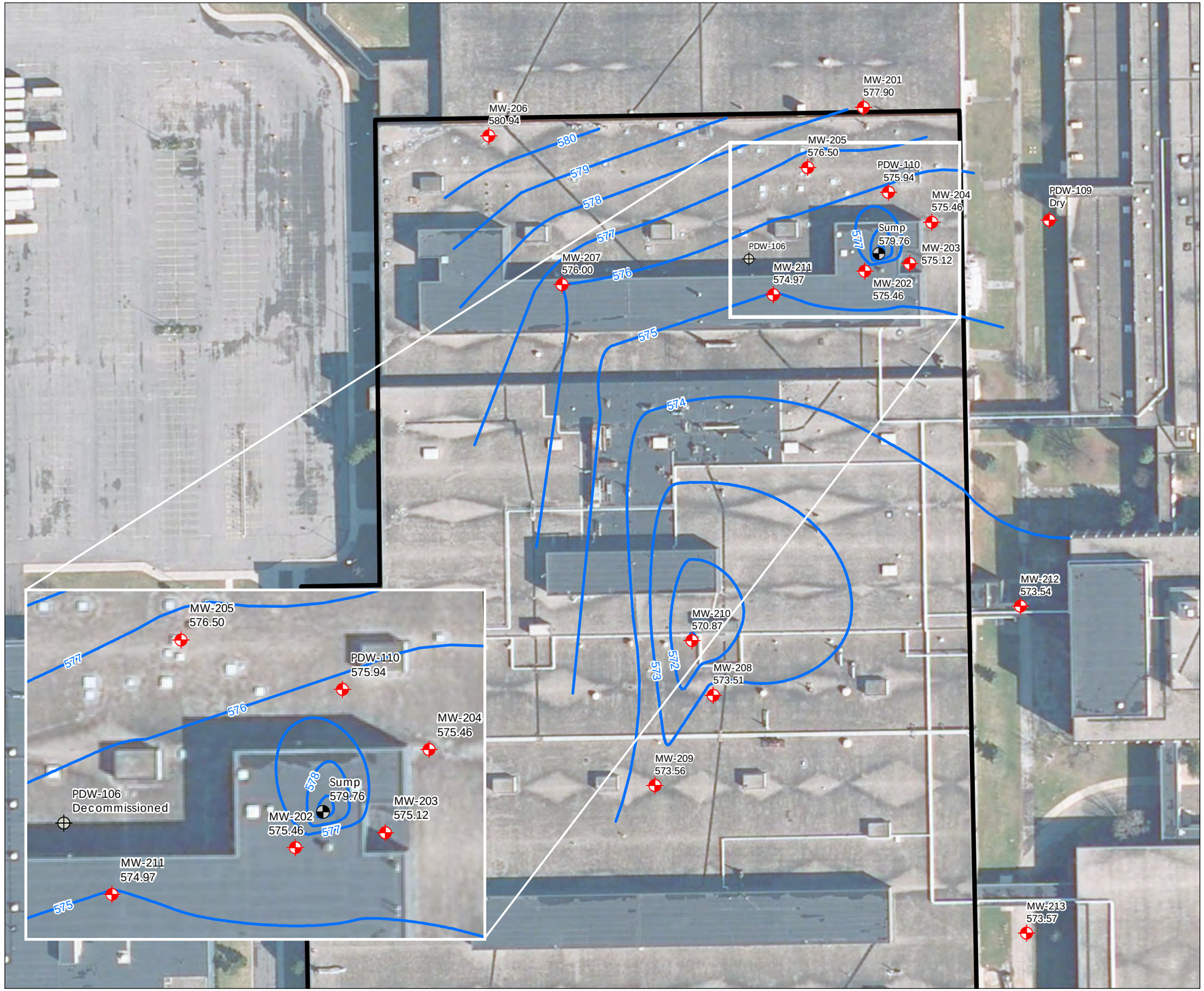
190500390

Client/Project
Rochester Technology Park Building 4
Site No. V00575-8
Periodic Review Report

Figure No.
3

Title
Groundwater Contour Map
July 2017

H:\190500390\GIS\PRR 2018\Figure 3 - Groundwater Contour Maps.mxd Revised: 2018-04-09 By: anoplenski



Legend

Type

- Monitoring Well
- Sump
- Decommissioned Well Locations
- Groundwater Elevation Contour (ft AMSL)
- Building 4

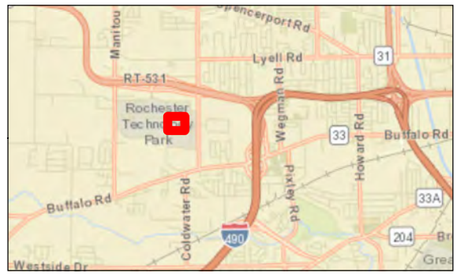
MW-204
575.26
Groundwater Elevation (feet)

0 80 160 Feet

N

Notes

1. Coordinate System: NAD 1983 StatePlane New York West FIPS 3103 Feet
2. Groundwater elevations were calculated using water level data collected by Stantec on July 10, 2018 and well survey data collected by Magde Land Surveying PC on behalf of Stantec on July 28, 2015.
3. Contours were developed using natural neighbor interpolation.



Project Location:
Rochester Technology Park
Elmgrove Rd. at Rte. 531 and Buffalo Rd.
Town of Gates, Monroe County, NY

Prepared by LB on 2019-05-09
Technical Review by KP on 2018-05-xx

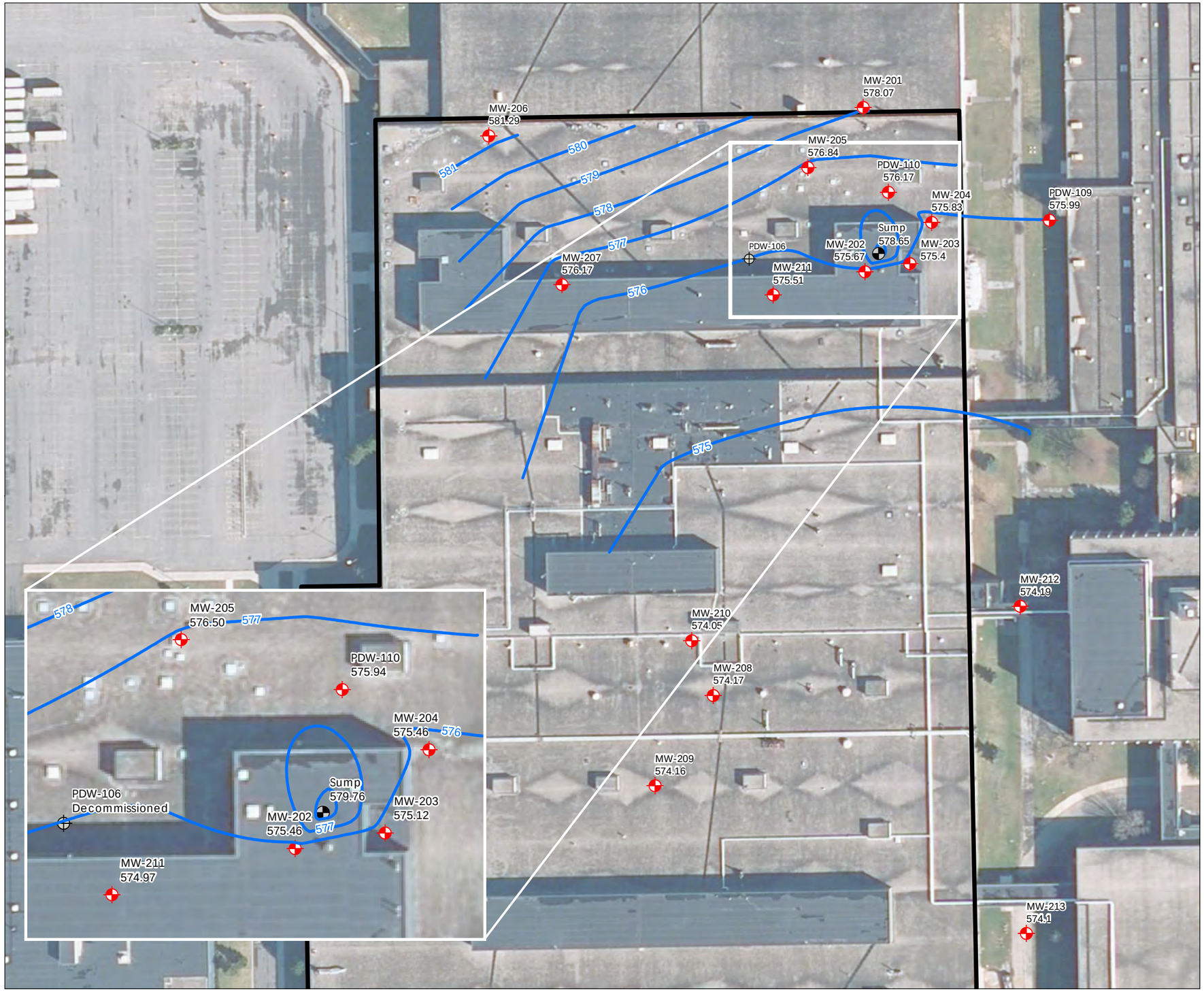
190500390

Client/Project
Rochester Technology Park Building 4
Site No. V00575-8
Periodic Review Report

Figure No.
3

Title
Groundwater Contour Map
July 2018

J:\190500390\GIS\PRR_2019\Figure3 - Groundwater Contour Map.mxd Revised: 2019-05-10 By: jbest



Stantec

N

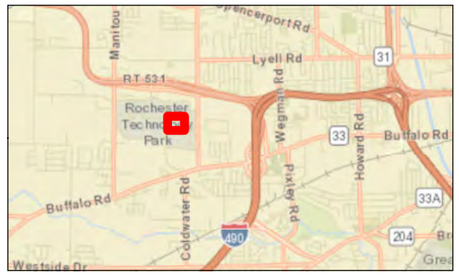
Legend

- Monitoring Well
- Sump
- Decommissioned Well Locations
- Building 4
- Groundwater Elevation Contour (ft AMSL)
- MW-204 575.83 — Groundwater Elevation (feet)

0 80 160 Feet

Notes

1. Coordinate System: NAD 1983 StatePlane New York West FIPS 3103 Feet
2. Groundwater elevations were calculated using water level data collected by Stantec on July 10, 2018 and well survey data collected by Magde Land Surveying PC on behalf of Stantec on July 28, 2015.
3. Contours were developed using natural neighbor interpolation.



Project Location:
Rochester Technology Park
Elmgrove Rd. at Rte. 531 and Buffalo Rd.
Town of Gates, Monroe County, NY

Prepared by LB on 2019-05-09
Technical Review by KP on 2018-05-xx

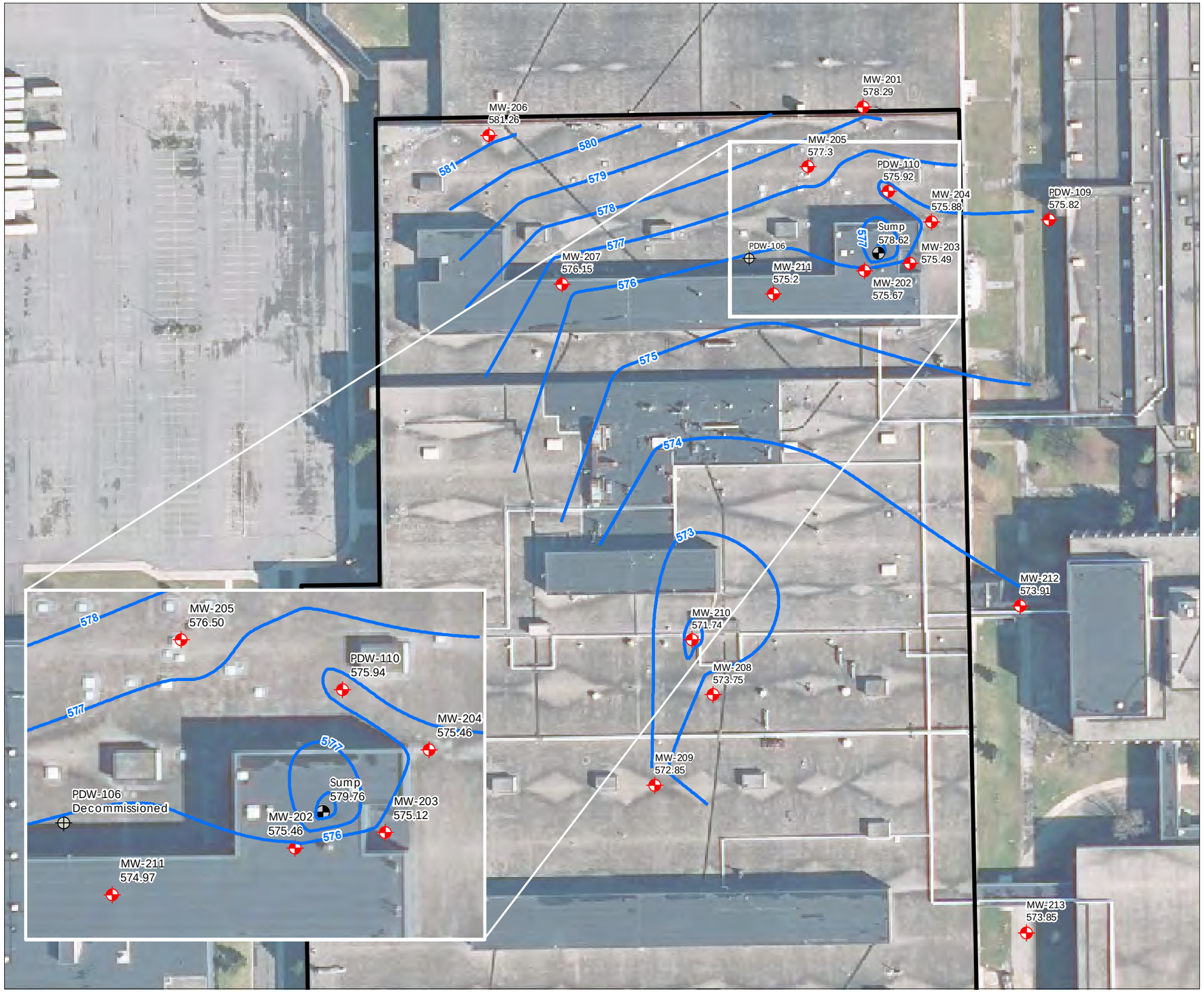
190500390

Client/Project
Rochester Technology Park Building 4
Site No. V00575-8
Periodic Review Report

Figure No.
3

Title
Groundwater Contour Map
July 2019

J:\190500390\GIS\PRP 2020\Figure 3 - Groundwater Contour Map.mxd Revised: 2020-05-15 By: dtes



Stantec

N

Legend

- Monitoring Well
- Sump
- Decommissioned Well Locations
- Building 4
- Groundwater Elevation Contour (ft AMSL)
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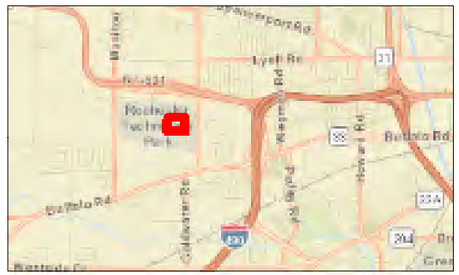
3. Contours were developed using natural neighbor interpolation.



Project Location:
Rochester Technology Park
Elmgrove Rd. at Rte. 531 and Buffalo Rd.
Town of Gates, Monroe County, NY

Prepared by APL on 2020-05-10
Technical Review by KP on 2020-05-10

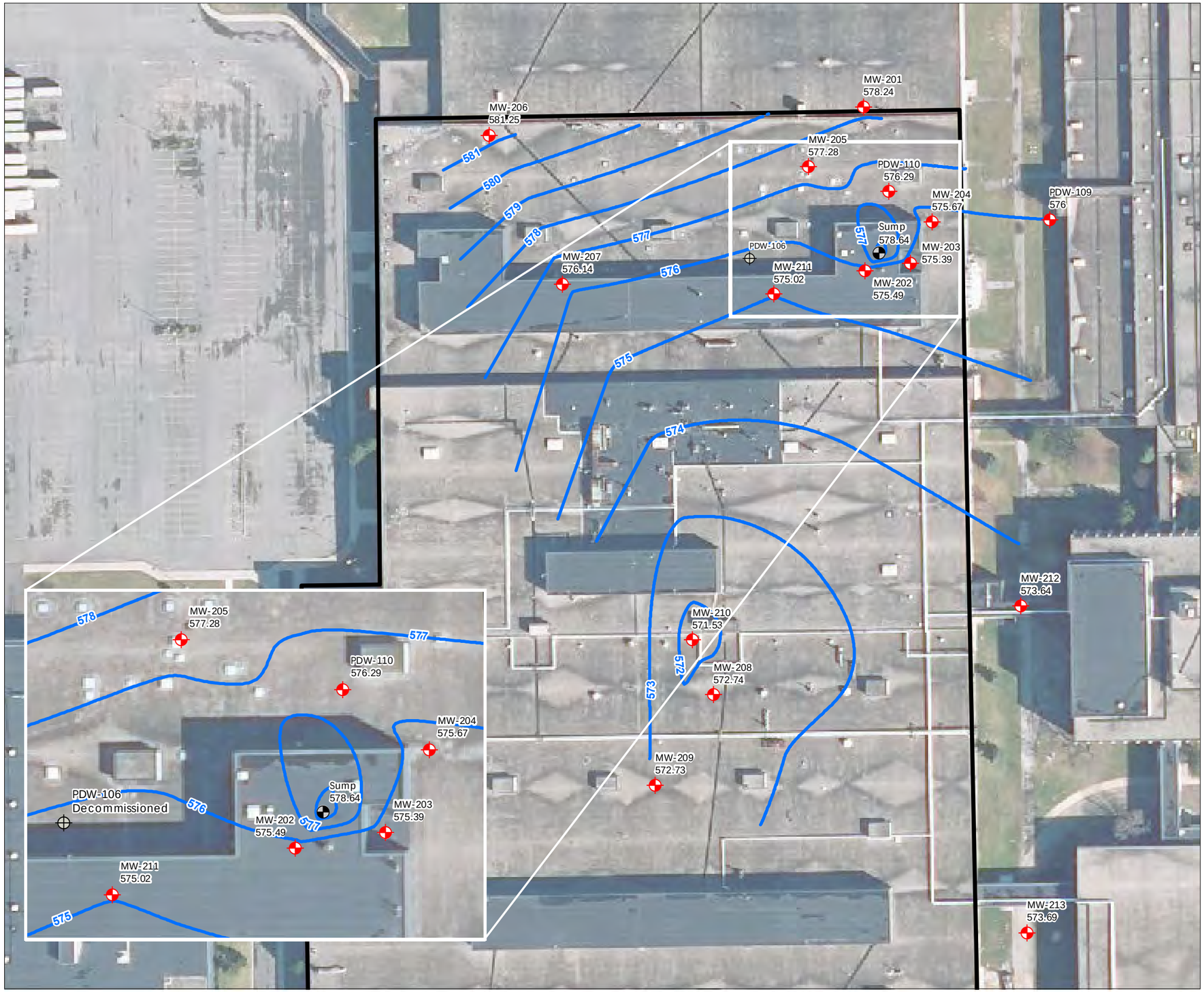
190500390

Client/Project
Rochester Technology Park Building 4
Site No. V00575-8
Periodic Review Report

Figure No.
3

Title
Groundwater Contour Map
July 2020

J:\190500390\GIS\PRP 2021\Figure 3 - Groundwater Contour Map.mxd Revised: 2021-06-01 By: dtess



Stantec

N

Legend

- Monitoring Well
- Sump
- Decommissioned Well Locations
- Building 4
- Groundwater Elevation Contour (ft AMSL)
- MW-204 575.83 — Groundwater Elevation (feet)

0 80 160 Feet

Notes

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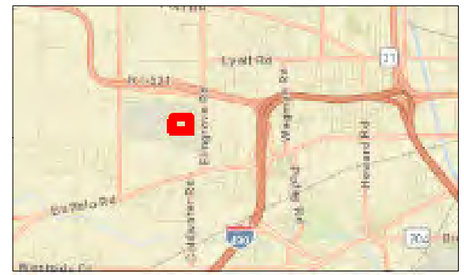
3. Contours were developed using natural neighbor interpolation.



Project Location:
Rochester Technology Park
Elmgrove Rd. at Rte. 531 and Buffalo Rd.
Town of Gates, Monroe County, NY

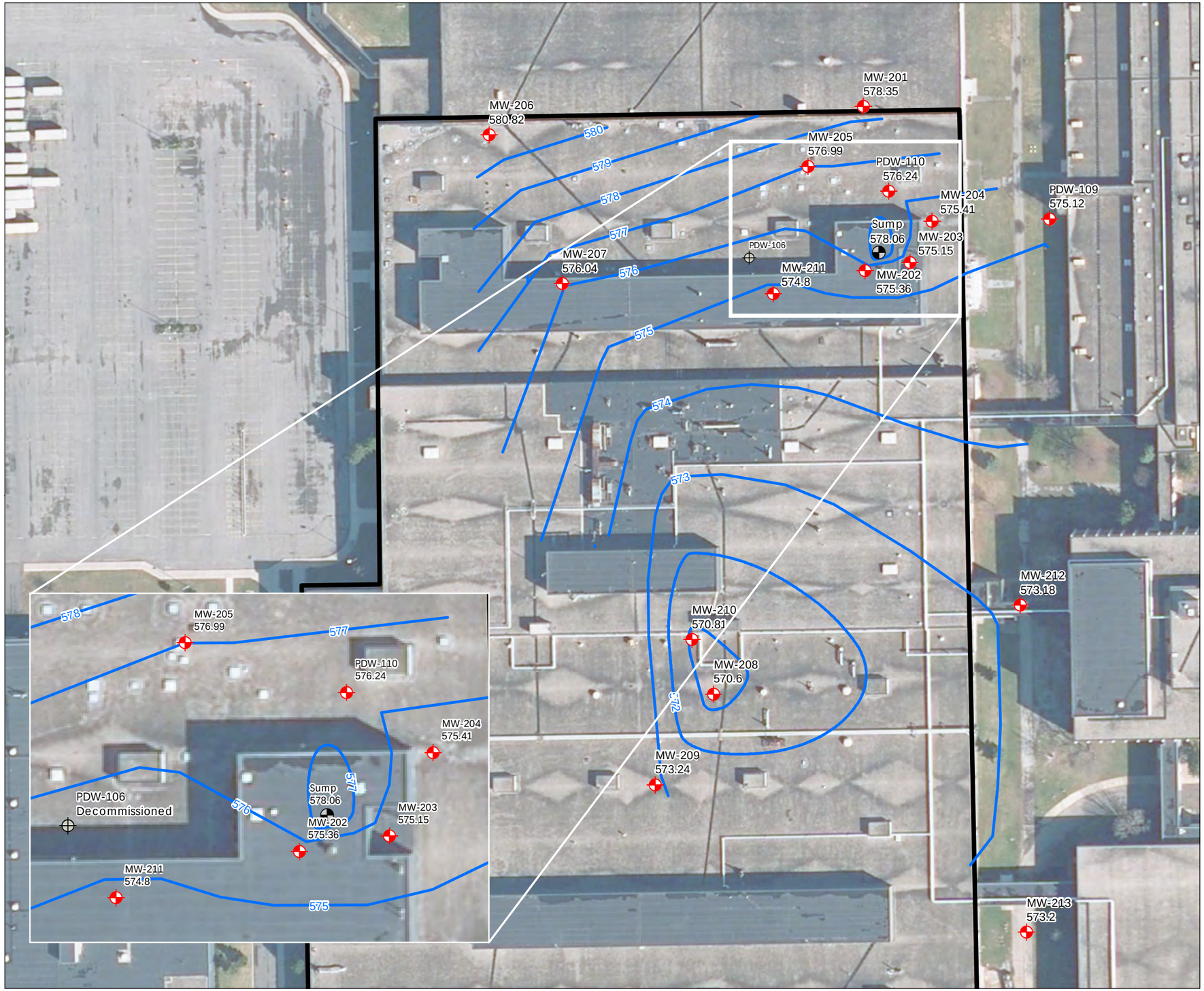
Prepared by APL on 2021-07-15
Technical Review by KP on 2021-07-15

190500390

Client/Project
Rochester Technology Park Building 4
Site No. V00575-8
Periodic Review Report

Figure No.
3

Title
Groundwater Contour Map
July 2021



Stantec

N

Legend

- Monitoring Well
- Sump
- Decommissioned Well Locations
- Building 4
- Groundwater Elevation Contour (ft AMSL)
- MW-204 575.83 — Groundwater Elevation (feet)

0 80 160 Feet

Notes

1. Coordinate System: NAD 1983 StatePlane New York West FIPS 3103 Feet
2. Groundwater elevations were calculated using water level data collected by Stantec on July, 2022 and well survey data collected by Magde Land Surveying PC on behalf of Stantec on July 28, 2015.
3. Contours were developed using natural neighbor interpolation.

Project Location:
Rochester Technology Park
Elmgrove Rd. at Rte. 531 and Buffalo Rd.
Town of Gates, Monroe County, NY

Prepared by KA on 2023-05-08
Technical Review by KN on 2023-05-15

190500390

Client/Project
Rochester Technology Park Building 4
Site No. V00575-8
Periodic Review Report

Figure No.
3

Title
Groundwater Contour Map
July 2022

I:\190500390\GIS\PRP_2022\Figure 3 - GroundwaterContour Map_2022.mxd Revised: 2023-05-08 By: klaudino

APPENDIX E

Field Forms

Table 6
Summary of Extraction Well Monitoring Data – January 2023 and July 2023
Rochester Technology Park
Building 4, Rochester, NY

Sampling Location	Area	Column/ Fan	January 2023				July 2023			
			Date	~Time	Vacuum (inH2O)	Notes	Date	~Time	Vacuum (inH2O)	Notes
EW-1	Area 1	N11/F1	1/26/2023	1317	OL		7/25	1516	OL	
EW-2	Area 1	N10/F1	1/26/2023	1318	OL		7/25	1516	OL	
EW-3	Area 1	P11/F1	1/26/2023	1312	OL		7/25	1513	OL	
EW-4	Area 1	P10/F1	1/26/2023	1320	OL		7/25	1513	OL	
EW-5	Area 1	Q11/F2	1/26/2023	1311	OL		7/25	1512	OL	
EW-6	Area 1	Q10/F2	1/26/2023	1207	OL		7/25	1449	OL	
EW-7	Area 1	R11/F2	1/26/2023	1310	OL		7/25	1511	OL	
EW-8	Area 1	R10/F2	1/26/2023	1208	OL		7/25	1455	OL	
EW-9	Area 1	N9/F4	1/26/2023	1203	OL		7/25	1445	OL	
EW-10	Area 1	N8/F4	1/26/2023	1203	OL		7/25	1446	OL	
EW-11	Area 1	P9/F4	1/26/2023	1204	OL		7/25	1448	OL	
EW-12	Area 1	P8/F4	1/26/2023	1204	OL		7/25	1447	OL	
EW-13	Area 1	Q9/F3	1/26/2023	1206	OL		7/25	1451	OL	floor leak
EW-14	Area 1	Q8/F3	1/26/2023	1205	OL		7/25	1451	OL	
EW-15	Area 1	R9/F3	1/26/2023	1208	OL		7/25	1454	OL	
EW-16	Area 1	R8/F3	1/26/2023	1209	OL	Floor leak	7/25	1453	OL	
EW-17	Area 1	S10/F5	1/26/2023	1215	OL	Floor leak	7/25	1456	OL	floor leak
EW-18	Area 1	S9/F5	1/26/2023	1214	OL		7/25	1456	OL	
EW-19	Area 1	S8/F5	1/26/2023	1214	OL		7/25	1457	OL	floor leak
EW-20	Area 1	S7/F5	1/26/2023	1213	OL		7/25	1500	OL	
EW-21	Area 1	N7/F7	1/26/2023	1104	OL		7/26	1000	OL	
EW-22	Area 1	P7/F7	1/26/2023	1204	OL		7/25	1447	OL	
EW-23	Area 1	Q7/F7	1/26/2023	1205	OL		7/25	1452	OL	
EW-24	Area 1	R7/F7	1/26/2023	1210	OL		7/25	1453	OL	
EW-25	Area 1	M8/F6	1/26/2023	1100	5.556		7/25	1442	6.708	
EW-26	Area 1	M7/F6	1/26/2023	1059	2.421		7/25	1444	6.504	
EW-49	Area 1A	T4/F15	1/26/2023	1250	9.014		7/27	1022	8.915	
EW-50	Area 1A	T6/F15	1/26/2023	1255	9.131		7/27	1025	9.047	
EW-51	Area 1A	V4/F15	1/26/2023	1246	8.435		7/27	1032	8.378	
EW-52	Area 1A	V6/F15	1/26/2023	1243	8.629		7/25	1503	8.445	
EW-27	Area 2	B7/F10	1/26/2023	0933	5.972		7/25	1355	6.677	
EW-28	Area 2	B6/F10	1/26/2023	0927	6.041		7/25	1354	6.777	
EW-29	Area 2	C7/F10	1/26/2023	0932	5.690		7/25	1349	6.486	
EW-30	Area 2	C6/F10	1/26/2023	0928	5.833		7/25	1351	6.601	
EW-31	Area 2	B5/F9	1/25/2023	1004	3.374		7/25	1353	3.214	
EW-32	Area 2	B4/F9	1/26/2023	0935	3.868		7/25	1356	3.518	
EW-33	Area 2	C5/F9	1/26/2023	0917	3.610		7/25	1358	3.081	
EW-34	Area 2	C4/F9	1/26/2023	0919	3.714		7/25	1359	3.296	
EW-35	Area 2	B3/F8	1/26/2023	0915	6.279		7/25	1403	6.470	
EW-36	Area 2	B2/F8	1/26/2023	0903	6.463		7/25	1404	7.146	
EW-37	Area 2	C3/F8	1/26/2023	0913	6.170		7/25	1406	6.866	
EW-38	Area 2	C2/F8	1/26/2023	0907	6.326		7/25	1402	7.319	
EW-39	Area 2	D7/F11	1/26/2023	0931	1.368		7/25	1347	1.620	
EW-40	Area 2	D6/F11	1/26/2023	0929	0.953		7/25	1346	0.681	
EW-41	Area 2	D5/F11	1/26/2023	0937	1.852		7/25	1345	2.130	
EW-42	Area 2	D4/F11	1/26/2023	0920	1.998		7/25	1344	2.395	
EW-42t	Area 2	D4 trench/ F11	1/26/2023	0921	1.979		7/25	1343	2.681	
EW-43	Area 2	D3/F11	1/26/2023	0910	2.403		7/25	1341	2.728	
EW-44	Area 2	D2/F12	1/26/2023	0909	7.932		7/25	1342	8.213	
EW-45	Area 2	Sump/F12	1/26/2023	0958	0.987		7/25	1207	1.895	
EW-46	Area 2	BaseNW/ F12	1/26/2023	1002	7.748		7/25	1158	7.584	
EW-47	Area 2	BaseNE/ F12	1/26/2023	1003	7.724		7/25	1200	7.574	
EW-48	Area 2	BaseSE/ F12	1/26/2023	1004	7.874		7/25	1205	7.694	
EW-48b	Area 2	BaseSW/ F12	1/26/2023	1000	7.879		7/25	1206	7.691	
EW-53	Area 2A	D11/F16	1/26/2023	1044	3.535		7/26	1200	3.673	
EW-54	Area 2A	D13/F16	1/26/2023	1033	3.706		7/26	1202	3.882	
EW-55	Area 2A	~F11/F16	1/26/2023	1138	3.971		7/26	1204	4.154	
EW-56	Area 2A	~F13/F16	1/26/2023	1139	9.958		7/26	1205	4.141	
EW-57	Area 3	A2-14.5/ F17	1/26/2023	1025	OL	Labelled	7/27	1139	OL	
EW-58	Area 3	A3-14/ F17	1/26/2023	1029	OL	Labelled	7/27	1136	OL	

Note: Positive number indicates vacuum
OL = Vacuum over instrument limit
~ indicates an approximate time
NR = Not Recorded

Table 6
Summary of Extraction Well Monitoring Data – July 2023 and January 2024
Rochester Technology Park
Building 4, Rochester, NY

Sampling Location	Area	Column/ Fan	July 2023				January 2024			
			Date	~Time	Vacuum (inH2O)	Notes	Date	~Time	Vacuum (inH2O)	Notes
EW-1	Area 1	N11/F1	7/25/2023	1516	OL		1/22/24	1048	OL	
EW-2	Area 1	N10/F1	7/25/2023	1516	OL			1053	OL	
EW-3	Area 1	P11/F1	7/25/2023	1513	OL			1050	OL	
EW-4	Area 1	P10/F1	7/25/2023	1513	OL			1054	OL	Floor leak
EW-5	Area 1	Q11/F2	7/25/2023	1512	OL			1049	OL	
EW-6	Area 1	Q10/F2	7/25/2023	1449	OL			1049	OL	
EW-7	Area 1	R11/F2	7/25/2023	1511	OL			1048	OL	
EW-8	Area 1	R10/F2	7/25/2023	1455	OL			1112	OL	
EW-9	Area 1	N9/F4	7/25/2023	1445	OL			1031	15,100	Floor leak
EW-10	Area 1	N8/F4	7/25/2023	1446	OL			1032	15,430	Floor leak
EW-11	Area 1	P9/F4	7/25/2023	1448	OL			1030	15,720	Floor leak
EW-12	Area 1	P8/F4	7/25/2023	1447	OL			1029	15,780	
EW-13	Area 1	Q9/F3	7/25/2023	1451	OL	Floor leak		1025	OL	Floor leak
EW-14	Area 1	Q8/F3	7/25/2023	1451	OL			1023	OL	Floor leak
EW-15	Area 1	R9/F3	7/25/2023	1454	OL			1020	OL	Floor leak
EW-16	Area 1	R8/F3	7/25/2023	1453	OL			1020	OL	
EW-17	Area 1	S10/F5	7/25/2023	1456	OL	Floor leak		1018	OL	No floor leak (floor repaired)
EW-18	Area 1	S9/F5	7/25/2023	1456	OL			1018	OL	
EW-19	Area 1	S8/F5	7/25/2023	1457	OL			1010	OL	
EW-20	Area 1	S7/F5	7/25/2023	1500	OL			1015	OL	
EW-21	Area 1	N7/F7	7/27/2023	1000	OL			1044	12,495	
EW-22	Area 1	P7/F7	7/25/2023	1447	OL			1105	12,396	
EW-23	Area 1	Q7/F7	7/25/2023	1452	OL			1101	~~12,330~~ 12,105 (AK)	
EW-24	Area 1	R7/F7	7/25/2023	1453	OL			1101	12,330	
EW-25	Area 1	M8/F6	7/25/2023	1442	6.708			1107	4,993	
EW-26	Area 1	M7/F6	7/25/2023	1444	6.504			1108	4,849	
EW-49	Area 1A	T4/F15	7/27/2023	1022	8.915			1340	8,544	
EW-50	Area 1A	T6/F15	7/27/2023	1025	9.047			1341	8,648	
EW-51	Area 1A	V4/F15	7/27/2023	1032	8.378			09:30	7,947	
EW-52	Area 1A	V6/F15	7/25/2023	1503	8.445			09:41	8,101	
EW-27	Area 2	B7/F10	7/25/2023	1355	6.677			1156	5,257	
EW-28	Area 2	B6/F10	7/25/2023	1354	6.777			1155	5,320	
EW-29	Area 2	C7/F10	7/25/2023	1349	6.480			1157	4,974	
EW-30	Area 2	C6/F10	7/25/2023	1351	6.601			1158	5,113	
EW-31	Area 2	B5/F9	7/25/2023	1353	3.214			1155	2,615	
EW-32	Area 2	B4/F9	7/25/2023	1356	3.518			1154	2,945	
EW-33	Area 2	C5/F9	7/25/2023	1352	3.281			1159	2,646	
EW-34	Area 2	C4/F9	7/25/2023	1358	3.326			1200	3,707	
EW-35	Area 2	B3/F8	7/25/2023	1403	6.970			1153	6,804	
EW-36	Area 2	B2/F8	7/25/2023	1404	7.140			1202	6,982	
EW-37	Area 2	C3/F8	7/25/2023	1400	6.866			1206	6,669	
EW-38	Area 2	C2/F8	7/25/2023	1402	7.019			1204	6,825	
EW-39	Area 2	D7/F11	7/25/2023	1347	1.622			1218	~~0.887~~ 1,211 (AK)	
EW-40	Area 2	D6/F11	7/25/2023	1346	0.681			1219	0,237	
EW-41	Area 2	D5/F11	7/25/2023	1345	2.120			1216	1,637	
EW-42	Area 2	D4/F11	7/25/2023	1344	2.395			1210	1,806	
EW-42t	Area 2	D4 trench/ F11	7/25/2023	1343	2.381			1210	1,793	
EW-43	Area 2	D3/F11	7/25/2023	1341	2.728			1209	2,143	
EW-44	Area 2	D2/F12	7/25/2023	1342	8.215			1208	7,432	
EW-45	Area 2	Sump/F12	7/25/2023	1207	1.895			1212	0,715	
EW-46	Area 2	BaseNW/ F12	7/25/2023	1158	7.584			1213	7,246	
EW-47	Area 2	BaseNE/ F12	7/25/2023	1200	7.574			1213	7,298	
EW-48	Area 2	BaseSE/ F12	7/25/2023	1205	7.694			1212	7,429	
EW-48b	Area 2	BaseSW/ F12	7/25/2023	1206	7.691			1214	7,423	
EW-53	Area 2A	D11/F16	7/26/2023	1200	3.673			1156	3,201	
EW-54	Area 2A	D13/F16	7/26/2023	1202	3.882			1152	3,601	
EW-55	Area 2A	~F11/F16	7/26/2023	1204	4.154			1305	3,562	
EW-56	Area 2A	~F13/F16	7/26/2023	1205	4.141			1306	3,837	
EW-57	Area 3	A2-14.5/ F17	7/27/2023	1139	OL			1744	OL	
EW-58	Area 3	A3-14/ F17	7/27/2023	1136	OL			1258	OL	

Note: Positive number indicates vacuum
OL = Vacuum over instrument limit
~ indicates an approximate time
NR = Not Recorded

Rochester Tech Park
Sub-Slab Depressurization System
Town of Gates, NY
Semi-Annual Monitoring Form
Fans

Sampled by: A. Kita
Checked by: R. Richelsen

#bring ladder #

	Date/Time	7/27/0911	7/27/1043	7/27/1132	Notes
Measurement		**Area 1**	**Area 2**	**Area 2A/3**	
Extraction Fan Pressure (in H2O):		0.921	1.019	0.120	
Pre-GAC PID (ppmV)		0.0	0.0	0.0	

Area	Fan	Vacuum (in H2O)	Flow (in H2O)	Condensate	
Area 1	F1	35.0			7/27
	F2	34.0			
	F3	37.5			
	F4	27.5			
	F5	33.5			
	F6	7.5			
	F7	23.0			
Area 1A	F15	9.0			
Area 2	F8	8.0			7/26
	F9	5.0			
	F10	8.5			
	F11	3.5			
	F12	9.0			
Area 2A	F16	5.0			7/27
Area 3	F17	35.5			

Note: Gray column indicates flowand condensate not measured at this time.

Rochester Tech Park
Sub-Slab Depressurization System
Town of Gates, NY
Semi-Annual Monitoring Form
Fans

Sampled by: R. Richelsen
Checked by: A.K.+A

Measurement	Date/Time	1/22 /0945	1/22 /1150	1/22 /14:07	Notes
		Area 1	Area 2	Area 2A/3	
Extraction Fan Pressure (in H2O):		1.883	1.003	0.108	
Pre-GAC PID (ppmV)		0.1	0.4	0.2	BKGD RDG ALSO 0.1

Area	Fan	Vacuum (in H2O)	Flow (in H2O)	Condensate
Area 1	F1	29.5		
	F2	31.5		
	F3	23		
	F4	18		
	F5	28.5		
	F6	6		
	F7	13.5		
Area 1A	F15	9		
Area 2	F8	6.5		
	F9	4		
	F10	6.5		
	F11	2.5		
	F12	7.5		
Area 2A	F16	4.5		
Area 3	F17	34.5		

Note: Gray column indicates flowand condensate not measured at this time.

1/22

Stantec

Monitoring Well Inspection Form
Rochester Technology Park, Building 4
Town of Gates, Monroe County, New York
Site # V00575-8

Well ID	Inspection Date	Water Level (ft btoic)	Well Depth (ft btoic)	Well Label (G/F/P)	Condition of Outer Casing (G/F/P)	Conditionof J-Plug (G/F/P)	Condition of Inner Casing (G/F/P)	Comments/Repair Actions Required
MW-201	7/25/23	13.85	22.77	P(M)(N/a)	G	F	G	Soft bottom
MW-202		16.85'	24.62'	P(M)(N/a)	G	N/A	N/A	Soft Bottom
MW-203		16.50	25.09	M	G	G	G	
MW-204		16.22	25.02	P(N/a)(M)	G	G	G	
MW-205		15.46	22.74	G	G	G	G	
MW-206		11.25	21.13	P(N/a)(M)	G	G	G	
MW-207		15.95	24.27	P(N/a)(M)	G	P(N/a)(M)	G	
MW-208		18.09	24.50	G	G	G	G	Soft bottom
MW-209		18.07	24.40	G	G	G	G	
MW-210		18.13	23.63	P(N/A)(M)	G	G	G	
MW-211		16.62	24.71	M	G	G	G	
MW-212	↓	19.73	27.18	F	G	n/a	n/a	Soft bottom
MW-213	7/25/23	19.88	28.58	(M)P(N/a)	G	n/a	n/a	Soft bottom
PDW-106								
PDW-109		17.78	20.05	G	G	G	G	
PDW-110	↓	3.46	11.15	G	G	G	G	

Key: F=Fair G=Good P=Poor ft btoic=Feet below top of inner casing M= missing

Well Volume Calculation
1 inch = 0.041
2 inch = 0.163
4 inch = 0.653

Rochester Tech Park
Building 4
Town of Gates, NY
Site Inspection Form

Date 7/25/2023 - 7/27/2023
Name R. Richelsen, A. Kita
Company Stantec
Position Environmental Engineer

Done?	Task	Notes
SSDS Inspection		
✓	Visual inspection of the equipment and piping	
✓	Identification and subsequent repair of any leaks	EW-13 (base of column Q9) EW-17 (base of column S10)
✓	Inspection of exhaust points to verify that no air intakes have been located nearby	
✓	Audible operational status check of vent fans	
✓	Documentation of manifold settings and vacuum at each fan and extraction point	
✓	VOC level readings at the exhaust stacks	
✓	Damper adjustments as required to balance parallel branches of system	
✓	Maintenance activities conducted	yes
✓	Any modifications to the system	none
Cover System Inspection		
✓	Visual inspection of the hard surface cover for evidence of deep cracks, potholes, cuts, depressions, and deterioration of joint seals and penetration seals	
✓	Identification of any areas where there is evidence of excessive settlement relative to the surrounding areas	

Rochester Tech Park
Building 4
Town of Gates, NY
Site Inspection Form

Done?	Task	Notes
✓	Listening for audible indications of cracks in the cover system	See above
Sump Inspection		
✓	Inspection of the sump, pumping equipment, piping, power and controls	
✓	Inspection of groundwater piping systems and outlet	
✓	Inspection of basement floors for water seepage and potential exposure to untreated groundwater	
Site-wide Inspection		
✓	Compliance with the ICs, including site usage:	
✓	Compliance with the Deed Restrictions and the SMP by the Grantor and the Grantor's successors and assigns	
✓	Confirm that all Engineering Controls are operated, maintained, and inspected as specified in the SMP	
✓	Confirm that groundwater, soil vapor, and if necessary, other environmental or public health monitoring is being performed as defined in the SMP	
✓	Confirm that reporting of data and information pertinent to site management of the real property to which the Deed Restrictions apply (Controlled Property) has been completed at the frequency and in a manner defined in	
✓	Evaluation of the condition and continued effectiveness of ECs, including: cover system, sump, and SSDS (see above)	
✓	Examination of general site conditions at the time of the inspection	
✓	Confirm site management activities being conducted including, where appropriate, confirmation sampling and a health and safety inspection	
✓	Confirm compliance with permits and schedules included in the Operation and Maintenance Plan	
✓	Confirm that site records are up to date	

Rochester Tech Park
Building 4
Town of Gates, NY
Site Inspection Form

Date 1/22/24
Name R. Richelsen
Company Stantec
Position Env. Engineer

Done?	Task	Notes
SSDS Inspection		
✓	Visual inspection of the equipment and piping	
✓	Identification and subsequent repair of any leaks	EW-4, -9, -10, -11, -13, -14, -15,
✓	Inspection of exhaust points to verify that no air intakes have been located nearby	
✓	Audible operational status check of vent fans	
✓	Documentation of manifold settings and vacuum at each fan and extraction point	
✓	VOC level readings at the exhaust stacks	
✓	Damper adjustments as required to balance parallel branches of system	
✓	Maintenance activities conducted	
✓	Any modifications to the system	
Cover System Inspection		
✓	Visual inspection of the hard surface cover for evidence of deep cracks, potholes, cuts, depressions, and deterioration of joint seals and penetration seals	

Rochester Tech Park
Building 4
Town of Gates, NY
Site Inspection Form

Done?	Task	Notes
✓	Identification of any areas where there is evidence of excessive settlement relative to the surrounding areas	
✓	Listening for audible indications of cracks in the cover system	See above
Sump Inspection		
✓	Inspection of the sump, pumping equipment, piping, power and controls	
✓	Inspection of groundwater piping systems and outlet	
✓	Inspection of basement floors for water seepage and potential exposure to untreated groundwater	
Site-wide Inspection		
✓	Compliance with the ICs, including site usage:	
✓	Compliance with the Deed Restrictions and the SMP by the Grantor and the Grantor's successors and assigns	
✓	Confirm that all Engineering Controls are operated, maintained, and inspected as specified in the SMP	
✓	Confirm that groundwater, soil vapor, and if necessary, other environmental or public health monitoring is being performed as defined in the SMP	
✓	Confirm that reporting of data and information pertinent to site management of the real property to which the Deed Restrictions apply (Controlled Property) has been completed at the frequency and in a manner defined in	
✓	Evaluation of the condition and continued effectiveness of ECs, including: cover system, sump, and SSDS (see above)	
✓	Examination of general site conditions at the time of the inspection	
✓	Confirm site management activities being conducted including, where appropriate, confirmation sampling and a health and safety inspection	
✓	Confirm compliance with permits and schedules included in the Operation and Maintenance Plan	

Rochester Tech Park
Building 4
Town of Gates, NY
Site Inspection Form

Done?	Task	Notes
✓	Confirm that site records are up to date	

Table 5
Summary of Vapor Point Monitoring Data – January 2023 and July 2023
Rochester Technology Park
Building 4, Rochester, NY

Sampling Location	Area	January 2023						July 2023					
		Date	~Time	Vacuum (inH2O)	Smoke Test Flow? (Y/N)	Zeroed? (Y/N)	Notes	Date	Time	Vacuum (inH2O)	Smoke Test Flow? (Y/N)	Zeroed? (Y/N)	Notes
SS-19	Bldg 3							7/27				Y	
SS-20	Bldg 3												
SS-21	Bldg 3												
VM-13	Area 3	1/26/2023	1021	0.000	Y	Y			1130	.006	Y		
VM-22	Area 3												
PM-7	Area 3	1/26/2023	1018	0.583	-	Y			1147	.128	-		
PM-9	Bldg 3												
SS-22	Area 2												
SS-23	Area 2	1/26/2023	0946	0.003	-	Y			1300	.050	-		fluctuates 0.05-4.5
SS-24	Area 2												
SS-25	Area 2												
SS-26	Area 2	1/26/2023	1048	0.304	-	Y	Fluctuates 0.1 to 0.8		1241	.083	-		
SS-28	Area 2												
SS-29	Area 2												
VM-1	Area 2	1/25/2023	1009	0.035	-	Y			1047	.048	-		
VM-2	Area 2												
VM-3	Area 2												
VM-4	Area 2												
VM-5	Area 2												
VM-6	Area 2												
PM-1	Area 2	1/26/2023	1039	0.054	-	Y	Missing cover - duct taped		1142	.041	-		missing cover ⇒ duct
PM-11	Area 2	1/26/2023	1009	-0.023	-	Y		@	~~1124~~ 1124	.040	-		
PM-12	Area 2												
PM-13	Area 2												
PM-14	Area 2	1/26/2023	1013	-0.001	Y	Y	Missing cover - duct taped		1118	.002	Y		
HA-1	Area 2A								1123	.001	Y		missing cover ⇒ duct
HA-2	Area 2A												
SS-27	Area 2A	1/26/2023	1137	0.003	-	Y			1153	1.134	-		
PM-8	Area 2A												
PM-15	Area 2A	1/26/2023	1140	1.908	-	Y			1152	3.162	-		
VM-18	Area 2A												
VM-19	Area 2A	1/26/2023	1133	0.029	-	Y	Missing cover - duct taped		1157	.108	-		missing - duct
VM-20	Area 2A												
VM-21	Area 2A												
SS-30	Area 1												
SS-31	Area 1												
SS-32	Area 1	1/26/2023	1338	0.006	-	Y			0936	.014	-		
SS-33	Area 1												
SS-34	Area 1												
SS-35	Area 1												
SS-36	Area 1	1/26/2023	1212	5.455	-	Y			0932	8.512	-		
SS-38	Area 1												
SS-39	Area 1	1/26/2023	1220	0.029	-	Y			0933	.095	-		
SS-40	Area 1												
VM-7	Area 2	1/26/2023	1145	0.009	-	Y			1201	.019	-		
VM-8	Area 1												
VM-9	Area 1	1/26/2023	1329	-0.002	Y	Y			0941	.002	Y		
VM-10	Area 1	1/26/2023	1155	0.002	N	Y			1311	.049	Y		
VM-11	Area 1	1/26/2023	1324	0.165	-	Y			0945	.018	-		
VM-12/PM-6	Area 1	1/26/2023	1225	0.148	-	Y	Missing 1 screw		0915	.105	-		missing 1 screw ⇒ steadily drops
PM-2	Area 1												
PM-3	Area 1	1/26/2023	1111	0.000	Y	Y	Missing cover - duct taped		1206	.011	-		
PM-4	Area 1						Under the racetrack						
PM-5	Area 1	1/26/2023	1258	0.009	-	Y			1028	.001	N		
SS-37	Area 1A	1/26/2023	1252	0.211	-	Y			1019	.239	-		
PM-10	Area 1A												
PM-16	Area 1A	1/26/2023	1240	0.095	-	Y			0859	.157	-		
VM-14	Area 1A	1/26/2023	1304	0.008	-	Y	Missing cover - duct taped	V	0903	.022	-		
VM-15	Area 1A	1/26/2023	1238	0.012	-	Y			0849	.050	-		
VM-16	Area 1A	1/26/2023	1347	-0.004	Not Recorded	Y	Smoke test kit empty		0842	.002	N	V	missing cover ⇒ duct tape
VM-17	Area 1A	1/26/2023	0843	-0.002	N	Y		7/27	0835	.0002	Y	Y	

Note: Gray rows indicate points not routinely monitored.
Positive number indicates vacuum.
"N" indicates smoke test was performed but indicated no vacuum.
~ indicates an approximate time
"NR" indicates not recorded
* indicates missing cover replaced

Table 5
Summary of Vapor Point Monitoring Data – July 2023 and January 2024
Rochester Technology Park
Building 4, Rochester, NY

RR, AK, ET

1/22/24

Sampling Location	Area	July 2023						January 2024					
		Date	Time	Vacuum (inH2O)	Smoke Test Flow? (Y/N)	Zeroed? (Y/N)	Notes	Date	Time	Vacuum (inH2O)	Smoke Test Flow? (Y/N)	Zeroed? (Y/N)	Notes
SS-19	Bldg 3												
SS-20	Bldg 3												
SS-21	Bldg 3												
VM-13	Area 3	7/27/2023	1130	0.000	Y	Y		1/22	1247	0.003		Y	
VM-22	Area 3												
PM-7	Area 3	7/27/2023	1147	0.123	-	Y			1244	0.202			
PM-9	Bldg 3												
SS-22	Area 2												
SS-23	Area 2	7/27/2023	1300	0.650	-	Y	Fluctuates 0.050 to 4.500		1223	0.029			
SS-24	Area 2												
SS-25	Area 2												
SS-26	Area 2	7/27/2023	1241	0.683	-	Y			1145	0.114			Reading steadily drops
SS-28	Area 2												
SS-29	Area 2												
VM-1	Area 2	7/27/2023	1047	0.048	-	Y			1225	0.012			
VM-2	Area 2												
VM-3	Area 2												
VM-4	Area 2												
VM-5	Area 2												
VM-6	Area 2												
PM-1	Area 2	7/27/2023	1142	0.041	-	Y	Missing cover - duct taped		1251	0.027			
PM-11	Area 2	7/27/2023	1112	0.040	-	Y			1235	0.015			
PM-12	Area 2												
PM-13	Area 2	7/27/2023	1118	0.002	Y	Y			1238	0.000	Y		
PM-14	Area 2	7/27/2023	1123	0.001	Y	Y	Missing cover - duct taped		1240	0.003			
HA-1	Area 2A												
HA-2	Area 2A												
SS-27	Area 2A	7/27/2023	1153	1.134	-	Y			1305	0.149			
PM-8	Area 2A												
PM-15	Area 2A	7/27/2023	1152	3.162	-	Y			1307	2.092			
VM-18	Area 2A												
VM-19	Area 2A	7/27/2023	1157	0.108	-	Y	Missing cover - duct taped		1301	0.056			
VM-20	Area 2A												
VM-21	Area 2A												
SS-30	Area 1												
SS-31	Area 1												
SS-32	Area 1.	7/27/2023	0936	0.014	-	Y			1118	0.006			
SS-33	Area 1												
SS-34	Area 1												
SS-35	Area 1												
SS-36	Area 1	7/27/2023	0932	8.512	-	Y			1027	2.189			
SS-38	Area 1												
SS-39	Area 1	7/27/2023	0923	0.095	-	Y			1337	0.053			
SS-40	Area 1												
VM-7	Area 2	7/27/2023	1201	0.019	-	Y			1311	0.003			
VM-8	Area 1												
VM-9	Area 1	7/27/2023	0941	0.002	Y	Y			1041	0.002	N		
VM-10	Area 1		1311	0.044	-	Y			1123	0.718			
VM-11	Area 1		0945	0.018	-	Y			1045	0.003			
VM-12/PM-6	Area 1	7/27/2023	0915	0.105	-	Y	Vacuum reading steadily drops		1005	0.010			Fluctuates from "-" to "+"
PM-2	Area 1												
PM-3	Area 1	7/27/2023	1206	0.011	-	Y			1314	0.605			
PM-4	Area 1												
PM-5	Area 1	7/27/2023	1028	0.001	N	Y			1342	0.004			
SS-37	Area 1A	7/27/2023	1019	0.239	-	Y			1338	0.029			
PM-10	Area 1A												
PM-16	Area 1A	7/27/2023	0859	0.157	-	Y			09:38	.072			
VM-14	Area 1A	7/27/2023	0903	0.022	-	Y			09:47	0.062	Y		
VM-15	Area 1A	7/27/2023	0849	0.030	-	Y			1433	0.003			
VM-16	Area 1A	7/27/2023	0842	0.002	N	Y	Missing cover - duct taped		0923	.004			
VM-17	Area 1A	7/27/2023	0835	0.002	Y	Y			1331	.001	N		

Note: Gray rows indicate points not routinely monitored.
Positive number indicates vacuum.
"N" indicates smoke test was performed but indicated no vacuum.
~ indicates an approximate time
"NR" indicates not recorded
* indicates missing cover replaced

Project Name: Rochester Tech Park

Project Number: 190500390

Date: 7/25/23

Names: R. Richelsen, S. Rise

Equipment: FA 04470

Well ID	Water Level (TOIC ft)	Total Depth (TOIC ft)	Well Diameter (in)	Notes
MW-201	13.85	22.62	4.00	
MW-202	16.85	24.62	4.00	
MW-203	16.58	25.09	4.00	
MW-204	16.22	25.02	4.00	
MW-205	15.46	22.76	4.00	
MW-206	11.25	21.14	4.00	
MW-207	15.95	24.23	4.00	
MW-208	18.04	24.50	4.00	
MW-209	18.07	23.69	4.00	
MW-210	18.13	23.80	4.00	
MW-211	16.62	24.73	4.00	
MW-212	19.73	27.23	4.00	outside, stick up
MW-213	19.88	28.20	4.00	outside, stick up
PDW-106		16.35	2.00	
PDW-109	17.78	20.03	2.00	outside, stick up
PDW-110	3.46	11.25	4.00	basement
sump	1022	6.50	NA	basement

Well Volume Calculation
1 Inch = 0.041
2 Inch = 0.163
4 Inch = 0.653

Stantec
61 Commercial Street
Rochester, NY 14614
(585) 475-1440

Monitoring Well Purging and Sampling Record

Site Name: Rochester Tech Park
Well ID: MW-208
Depth to Water: 18.07 ft TOIC
Date: 7/25/23
Total Well Depth: 24.50 ft TOIC
Purge Start Time: 1438
Depth to Pump: ~22' ft TOIC
Purge End Time: 1520
Initial Pump Rate: ~60 mL/min
Pump Type: Bladder
adjusted to: - mL/min at - minutes
Well Diameter: 4 inches
adjusted to: - mL/min at - minutes
Well Volume: 4.20 gallons

Time	Purge Volume (gallons)	pH (s.u.)	ORP (mV)	Conductivity (mS/cm)	Temp. (°C)	DO (mg/L)	Turbidity (NTU)	Water Level (ft)
1445	0.0	6.91	-121.5	5.22	21.8	6.35	2.28	18.07
1450	↓	6.90	-73.7	5.54	21.1	4.09	2.03	18.07
1455		6.90	-47.0	5.68	21.0	3.92	1.75	18.07
~~1450~~ 1500		6.90	-22.4	5.81	21.0	3.92	1.68	18.07
1505		6.90	-8.4	5.86	21.0	3.78	1.31	18.07
1510		6.90	4.4	5.93	21.0	3.99	1.13	18.07
1515	↓	6.89	13.3	5.96	21.0	3.90	1.07	18.07
1520	0.9	6.89	18.8	5.97	21.0	3.87	0.93	18.07
Final Sample Data:		6.89	18.8	5.97	21.0	3.87	0.93	18.07

Sample ID(s): RTP-MW208-GW
Sample Time: 1520
Sampler(s): AR, R.R.

Analyses:
- ☑ VOCs
- ☐ SVOCs
- ☐ PCBs
- ☐ Pesticides
- ☐ TAL Metals

Dup? MS/MSD?
☐ ☐
☐ ☐
☐ ☐
☐ ☐
☐ ☐

Equipment: YSI Pro, LaMotte, QED Compressor + Bladder Pump, Heron Dipper, LDPE Tubing (field book pg 44)

Comments: clear, ns., n.o.

Stantec

61 Commercial Street
Rochester, NY 14614
(585) 475-1440

Monitoring Well Purging and Sampling Record

Site Name: Rochester Tech Park

Well ID: MW-203

Depth to Water: 16.50 ft TOIC

Date: 7/25/23

Total Well Depth: 25.10 ft TOIC

Purge Start Time: 1335

Depth to Pump: ~22' ft TOIC

Purge End Time: 1405

Initial Pump Rate: ~50 mL/min

Pump Type: Bladder

adjusted to: - mL/min at - minutes

Well Diameter: 4 inches

adjusted to: - mL/min at - minutes

Well Volume: 5.62 gallons

Time	Purge Volume (gallons)	pH (s.u.)	ORP (mV)	Conductivity (mS/cm)	Temp. (°C)	DO (mg/L)	Turbidity (NTU)	Water Level (ft)
1335	0.0	6.88	-258.5	8.28	21.2	1.78	10.63	16.58
1340	↓	6.86	-274.2	8.22	21.1	1.66	10.37	16.61
1345		6.85	-286.6	8.14	21.0	1.39	11.12	16.65
1350		6.84	-298.1	8.11	21.0	1.11	11.01	16.68
1355		6.84	-300.2	8.10	21.0	0.95	11.00	16.68
1400		6.84	-301.0	8.10	21.0	0.89	11.30	16.68
1405	0.9	6.84	-301.7	8.11	21.0	0.81	11.20	16.68
Final Sample Data:		6.84	-301.7	8.11	21.0	0.81	11.20	16.68

Sample ID(s): RTP-MW203-GW

Sample Time: 1405

Sampler(s): AR, R.R.

Analyses:	Dup?	MS/MSD?
☑ VOCs	☐	☐
☐ SVOCs	☐	☐
☐ PCBs	☐	☐
☐ Pesticides	☐	☐
☐ TAL Metals	☐	☐

Equipment: QED Compressor, YSI Pro, LaMotte (field book PJ HH) Heron Dipper, LDPE Tubing

Comments: clear, n.s., n.o.

n.s. - no sheen
n.o. - no odor

Stantec
61 Commercial Street
Rochester, NY 14614
(585) 475-1440

Monitoring Well Purging and Sampling Record

Site Name: Rochester Tech Park
Well ID: PDW-110
Depth to Water: 3.46 ft TOIC
Date: 7/25/23
Total Well Depth: 11.15 ft TOIC
Purge Start Time: 1120
Depth to Pump: ~9.00 ft TOIC
Purge End Time: 1204
Initial Pump Rate: ~50 mL/min
Pump Type: bladder
adjusted to: — mL/min at — minutes
Well Diameter: 4 inches
adjusted to: — mL/min at — minutes
Well Volume: 5.02 gallons

Time	Purge Volume (gallons)	pH (s.u.)	ORP (mV)	Conductivity (mS/cm)	Temp. (°C)	DO (mg/L)	Turbidity (NTU)	Water Level (ft)
1124	0.0	6.75	-64.1	6.97	21.1	1.00	2.72	3.50
1129	↓	6.80	-177.8	6.96	21.1	0.59	1.61	3.54
1134		6.81	-242.0	6.92	21.1	0.35	0.92	
1139		6.82	-245.1	6.90	21.1	0.32	1.79	3.68
1144		6.82	-264.7	6.88	21.0	0.29	1.18	3.71
1149		6.82	-274.4	6.85	21.0	0.26	1.73	3.78
1154		6.82	-283.3	6.83	21.0	0.24	1.23	3.89
1159	↓	6.82	-291.6	6.81	21.0	0.24	1.16	3.83
1204	0.4	6.83	-297.4	6.78	21.0	0.25	1.00	3.89
Final Sample Data:		6.83	-297.4	6.78	21.0	0.25	1.00	3.89

Sample ID(s): RTP-PDW110-GW
Sample Time: 1204
Sampler(s): R. Richelson, S. Rise

Analyses:	Dup?	MS/MSD?
☑ VOCs	☐	☐
☐ SVOCs	☐	☐
☐ PCBs	☐	☐
☐ Pesticides	☐	☐
☐ TAL Metals	☐	☐

Equipment: see field book pg 44

Comments: Sulfur Odor (rotten egg), Clear

Stantec
61 Commercial Street
Rochester, NY 14614
(585) 475-1440

Monitoring Well Purging and Sampling Record

Site Name: Rochester Tech Park
Well ID: MW-205
Depth to Water: 15.35 ft TOIC
Date: 7/26/23
Total Well Depth: 22.74 ft TOIC
Purge Start Time: 1125
Depth to Pump: ~20 ft TOIC
Purge End Time: 1223
Initial Pump Rate: ~40 mL/min
Pump Type: bladder
adjusted to: - mL/min at - minutes
Well Diameter: 4 inches
adjusted to: - mL/min at - minutes
Well Volume: 4.83 gallons

Time	Purge Volume (gallons)	pH (s.u.)	ORP (mV)	Conductivity (mS/cm)	Temp. (°C)	DO (mg/L)	Turbidity (NTU)	Water Level (ft)
1136	0.0	6.86	38.1	6.67	22.0	2.69	3.83	15.43
1141	↓	6.93	7.4	6.83	21.4	1.85	3.66	15.50
1146		6.95	1.8	6.82	21.2	1.91	3.00	
1151		6.97	-0.4	6.79	21.2	1.83	3.33	15.68
1156		6.98	0.2	6.73	21.1	1.59	2.43	15.82
1201		6.98	5.0	6.66	21.1	1.41	2.21	15.92
1206	↓	6.99	8.9	6.62	21.1	1.33	2.20	16.00
1211	0.6	6.99	14.0	6.57	21.0	1.25	2.12	16.09
Final Sample Data:		6.99	14.0	6.57	21.0	1.25	2.12	16.09

Sample ID(s): RTP-MW205-GW
Sample Time: 1211
Sampler(s): R. Richelsen, S. Rife

Analyses:	Dup?	MS/MSD?
☑ VOCs	☐	☐
☐ SVOCs	☐	☐
☐ PCBs	☐	☐
☐ Pesticides	☐	☐
☐ TAL Metals	☐	☐

Equipment: See field book pg 44
Comments: clear, n.s., n.o.

Stantec
61 Commercial Street
Rochester, NY 14614
(585) 475-1440

Monitoring Well Purging and Sampling Record

Site Name: Rochester Tech Park
Well ID: PDW-109
Depth to Water: 17.71 ft TOIC
Date: 7/26/23
Total Well Depth: 20.05 ft TOIC
Purge Start Time: 0924
Depth to Pump: ~20 ft TOIC
Purge End Time: 1105
Initial Pump Rate: ~20 mL/min
Pump Type: bladder
adjusted to: ~ mL/min at ~ minutes
Well Diameter: 2 inches
adjusted to: ~ mL/min at ~ minutes
Well Volume: 0.38 gallons

Time	Purge Volume (gallons)	pH (s.u.)	ORP (mV)	Conductivity (mS/cm)	Temp. (°C)	DO (mg/L)	Turbidity (NTU)	Water Level (ft)
0942	0.0	6.86	182.8	1.30	20.3	4.54	36.1	17.73
0947	|	6.97	191.3	1.22	21.6	4.11	57.8	17.73
0952	|	6.89	201.7	2.28	21.9	4.16	49.6	17.73
0957	|	6.91	203.5	2.85	21.8	3.78	35.3	17.73
1002	|	6.93	201.6	3.07	21.9	3.63	34.2	17.73
1007	|	6.94	201.8	3.19	22.2	3.50	35.4	17.73
1012	|	6.95	201.6	3.22	22.5	3.38	60.0	17.73
1017	|	6.96	201.6	3.24	22.9	3.29	30.5	17.73
1022	|	6.95	201.9	3.28	23.1	3.13	25.6	17.73
1027	V	6.95	202.0	3.29	23.4	2.90	18.0	17.73
1032	0.35	6.96	202.0	3.30	23.8	2.82	27.5	17.73
Final Sample Data:		6.96	202.0	3.30	23.8	2.82	27.5	17.73

Sample ID(s): RTP-PDW109-GW
Sample Time: 1034
Sampler(s): R. Richelsen, S. Rife

Analyses:	Dup?	MS/MSD?
☑ VOCs	☒	☒
☐ SVOCs	☐	☐
☐ PCBs	☐	☐
☐ Pesticides	☐	☐
☐ TAL Metals	☐	☐

Equipment: see field book pg 44
Comments: clear, n.o.

Note: Complete QC samples on this

Dup taken @ 1200

Stantec
61 Commercial Street
Rochester, NY 14614
(585) 475-1440

Monitoring Well Purging and Sampling Record

Site Name: Rochester Tech Park
Well ID: MW-212
Depth to Water: 19.64 ft TOIC
Date: 7/26/23
Total Well Depth: 27.18 ft TOIC
Purge Start Time: 1245
Depth to Pump: ~25 ft TOIC
Purge End Time: 1403
Initial Pump Rate: ~50 mL/min
Pump Type: bladder
adjusted to: - mL/min at - minutes
Well Diameter: 4 inches
adjusted to: - mL/min at - minutes
Well Volume: 4.92 gallons

Time	Purge Volume (gallons)	pH (s.u.)	ORP (mV)	Conductivity (mS/cm)	Temp. (°C)	DO (mg/L)	Turbidity (NTU)	Water Level (ft)
1255	0.0	7.32	-134.6	1.93	25.3	1.29	98.0	19.64
1300		7.26	-208.8	1.72	26.4	0.93	118.0	19.68
1305		7.26	-224.5	1.67	26.8	1.00	90.0	~~19.72~~ QP
1310		7.29	-229.7	1.65	27.4	0.99	106.0	19.72
1315		7.30	-234.4	1.63	28.0	0.83	102.3	19.73
1320		7.30	-237.4	1.63	28.5	0.66	97.7	19.73
1325		7.28	-240.9	1.64	26.3	0.57	104.2	19.78
1330		7.33	-258.7	1.62	24.6	0.44	107.8	19.82
1335		7.36	-260.9	1.62	24.3	0.40	90.9	19.85
1340		7.39	-268.3	1.62	24.1	0.37	92.4	19.92
1345		7.40	-273.2	1.62	23.9	0.34	82.4	19.92
1350	↓	7.38	-273.6	1.62	23.4	0.32	80.7	19.96
1355	0.5	7.35	-268.6	1.61	23.2	0.30	80.2	20.03
Final Sample Data:		7.35	-268.6	1.61	23.2	0.30	80.2	20.03

Sample ID(s): RTP-MW212-GW
Sample Time: 1357
Sampler(s): R. Richelsen, S. Rife

Analyses:	Dup?	MS/MSD?
☑ VOCs	☐	☐
☐ SVOCs	☐	☐
☐ PCBs	☐	☐
☐ Pesticides	☐	☐
☐ TAL Metals	☐	☐

Equipment: See field book pg 44

Comments: turbid red-brown, N.O.

turbidity appears to be due to staining instead of particulates. Sample due to stable parameters except turb. + time (1hr) attempted to stabilize, also turb is ±10%

Stantec
61 Commercial Street
Rochester, NY 14614
(585) 475-1440

Monitoring Well Purging and Sampling Record

Site Name: Rochester Tech Park
Well ID: MW-213
Depth to Water: 19.80 ft TOIC
Date: 7/26/23
Total Well Depth: 28.58 ft TOIC
Purge Start Time: 1420
Depth to Pump: ~25 ft TOIC
Purge End Time: 1530
Initial Pump Rate: ~80 mL/min
Pump Type: bladder
adjusted to: - mL/min at - minutes
Well Diameter: 4 inches
adjusted to: - mL/min at - minutes
Well Volume: 5.73 gallons

Time	Purge Volume (gallons)	pH (s.u.)	ORP (mV)	Conductivity (mS/cm)	Temp. (°C)	DO (mg/L)	Turbidity (NTU)	Water Level (ft)
1425	0.0	7.04	-1.2	2.34	23.4	2.64	152.0	19.80
1430	↓	6.95	18.3	2.42	21.2	2.47	108.0	19.80
1435		6.94	36.6	2.47	20.7	2.68	61.9	19.80
1440		6.94	48.7	2.49	20.5	2.76	44.1	19.80
1445		6.94	57.6	2.50	20.3	2.78	29.4	19.80
1450		6.94	65.3	2.50	20.3	2.83	21.2	19.80
1455		6.94	72.9	2.51	20.1	2.85	14.2	19.80
1500		6.94	79.5	2.51	20.0	2.91	11.8	19.80
1505		6.94	85.6	2.52	20.1	2.79	11.3	19.80
1510	↓	6.94	90.9	2.52	20.1	2.95	9.67	19.80
1515	1.5	6.94	95.4	2.52	19.9	2.96	8.41	19.80
Final Sample Data:		6.94	95.4	2.52	19.9	2.96	8.41	19.80

Sample ID(s): RTP-MW213-GW
Sample Time: 1515
Sampler(s): R. Richelsen, S. Rife

Analyses:	Dup?	MS/MSD?
☑ VOCs	☐	☐
☐ SVOCs	☐	☐
☐ PCBs	☐	☐
☐ Pesticides	☐	☐
☐ TAL Metals	☐	☐

Equipment: see field book pg 44
Comments: turbid, light brown, N.O.

4 in. well = 0.653 gal. per foot of depth

Stantec
61 Commercial Street
Rochester, NY 14614
(585) 475-1440

Monitoring Well Purging and Sampling Record

Site Name: Rochester Tech Park
Well ID: MW-203
Depth to Water: 16.37 ft TOIC
Date: 11/23/24
Total Well Depth: 25.02 ft TOIC
Purge Start Time: ~~11:30~~ 11:35 ET
Depth to Pump: ~23 ft TOIC
Purge End Time: 12:42
Initial Pump Rate: 50 mL/min
Pump Type: Bladder
adjusted to: _____ mL/min at _____ minutes
Well Diameter: 4 inches
adjusted to: _____ mL/min at _____ minutes
Well Volume: 5.65 gallons

Time	Purge Volume (gallons)	+/- pH 0.1 (s.u.)	+/- ORP 10 (mV)	Conductivity 3% (mS/cm)	Temp. 3% (°C)	10% DO (mg/L)	Turbidity <50 (NTU)	Water Δ0.3/3 Level (ft)
11:43	0.5	7.12	-237.0	8.69	20.9	2.14	6.17	~~25.45~~ 16.37 ET
11:48	0.5	7.11	-248.2	8.69	20.9	1.81	5.80	~~25.50~~ 16.80 ET
11:53	0.65	7.12	-263.3	8.69	20.9	1.42	4.76	16.93
11:58	0.75	7.12	-272.6	8.70	20.9	1.17	3.89	17.30
12:03	0.77	7.10	-275.2	~~8.72~~ ET	20.9	0.99	4.67	17.61
12:08	0.85	7.14	-270.2	8.74	20.9	0.81	4.08	17.99
12:13	1.0	7.15	-277.4	8.76	20.9	0.66	4.10	17.99
12:18	1.05	7.16	-279.6	8.78	20.9	0.55	3.74	17.89
12:23	1.15	7.17	-278.2	8.79	20.9	0.43	3.23	17.89
12:28	1.45	7.18	-275.0	8.81	20.9	0.38	3.81	17.89
12:33	1.5	7.19	~~-266.8~~ -272.1 ET	8.82	20.9	0.33	3.38	17.89
Final Sample Data:		7.19	-272.1	8.82	20.9	0.33	3.38	17.89

ALL H_2O LEVEL READINGS APPROX.

Sample ID(s): RTP-MW203-GW
Sample Time: 12:35
Sampler(s): A. Kita + Emily Teerlinck

Analyses:	Dup?	MS/MSD?
☑ VOCs	☐	☐
☐ SVOCs	☐	☐
☐ PCBs	☐	☐
☐ Pesticides	☐	☐
☐ TAL Metals	☐	☐

Equipment: LAMOTTE 2020t, BLADDER PUMP FA02072, BATTERY FA05262, 451 FA05817, WATER LVL METER FA05744

Comments: SULFUR/EGG ODOR, WATER IS CLEAR

U:\190500390\field_data\GW Monitoring\January 2023 - Semi-Annual\prep\Well Purge Form_RTP-blank.xls

Stantec
61 Commercial Street
Rochester, NY 14614
(585) 475-1440

Monitoring Well Purging and Sampling Record

Site Name: Rochester Tech Park
Well ID: MW-205
Date: 1/24/24
Depth to Water: 15.09 ft TOIC
Purge Start Time: 15:00
Total Well Depth: 22.69 ft TOIC
Purge End Time: 1600
Depth to Pump: ~20 ft TOIC
Pump Type: BLADDER
Initial Pump Rate: 50 mL/min
Well Diameter: 4 inches
adjusted to: _____ mL/min at _____ minutes
Well Volume: 4.96 gallons
adjusted to: _____ mL/min at _____ minutes

Time	Purge Volume (gallons)	+/- pH 0.1 (s.u.)	+/-ORP 10 (mV)	Conductivity 3% (mS/cm)	Temp. 3% (°C)	10% DO (mg/L)	Turbidity <50 (NTU)	Water Δ0.3/3 Level (ft)
1510	0.4	7.71	65.1	7.26	20.7	6.64	3.67	15.50
1515	0.5	7.62	73.4	7.25	20.7	6.12	2.68	15.60
1520	0.5	7.63	81.0	7.25	20.6	5.45	3.43	15.60
1525	0.5	7.64	86.8	7.25	20.6	5.08	3.03	15.60
1530	0.5	7.65	91.2	7.25	20.6	5.09	2.88	15.60
1535	0.55	7.66	95.5	7.24	20.6	4.99	2.80	15.52
1540	0.55	7.71	99.3	7.23	20.6	5.38	3.27	15.43
Final Sample Data:		7.71	99.3	7.23	20.6	5.38	3.27	15.43

Sample ID(s): RTP-MW205-GW
Sample Time: 1543
Sampler(s): A. KITA, E. TEERLINCK

Analyses:	Dup?	MS/MSD?
☑ VOCs	☐	☐
☐ SVOCs	☐	☐
☐ PCBs	☐	☐
☐ Pesticides	☐	☐
☐ TAL Metals	☐	☐

Equipment: SEE MW-203

Comments: WATER RUNS CLEAR, NO ODOR

Stantec
61 Commercial Street
Rochester, NY 14614
(585) 475-1440

Monitoring Well Purging and Sampling Record

Site Name: Rochester Tech Park
Well ID: PDW-110
Depth to Water: 3.3 ft TOIC
Date: 1/24/24
Total Well Depth: 11.3 ft TOIC
Purge Start Time: 1330
Depth to Pump: ~9 ft TOIC
Purge End Time: 1420
Initial Pump Rate: ~50 mL/min
Pump Type: BLADDER
adjusted to: _____ mL/min at _____ minutes
Well Diameter: 4 inches
adjusted to: _____ mL/min at _____ minutes
Well Volume: 5.2 gallons

Time	Purge Volume (gallons)	+/- pH 0.1 (s.u.)	+/- ORP 10 (mV)	Conductivity 3% (mS/cm)	Temp. 3% (°C)	DO 10% (mg/L)	Turbidity <50 (NTU)	Water Level (ft)
1335	0.0	7.63	105.4	8.78	21.6	7.61	11.20	3.05
1340	0.4	7.75	93.9	8.78	21.6	7.19	10.51	3.23
1345	0.5	7.74	86.7	8.78	21.6	7.23	10.73	3.30
1350	0.6	7.74	83.6	8.76	21.6	7.04	9.98	3.33
1355	0.65	7.72	83.9	8.75	21.6	7.00	9.72	3.39
1400	0.75	7.71	68.0	8.73	21.6	6.98	11.67	3.41
1405	0.8	7.67	68.1	8.73	21.6	6.84	11.07	3.43
1410	0.9	7.67	75.0	8.71	21.6	6.78	11.21	3.43
Final Sample Data:		7.67	75.0	8.71	21.6	6.78	11.21	3.43

Sample ID(s): RTP-PDW110-GW
Sample Time: 1412
Sampler(s): A. KMA, E. TEERLINCK

Analyses:	Dup?	MS/MSD?
☑ VOCs	☐	☐
☐ SVOCs	☐	☐
☐ PCBs	☐	☐
☐ Pesticides	☐	☐
☐ TAL Metals	☐	☐

Equipment: SEE MW-203

Comments: No odor, clear color

Stantec
61 Commercial Street
Rochester, NY 14614
(585) 475-1440

Monitoring Well Purging and Sampling Record

Site Name: Rochester Tech Park
Well ID: PDW-109
Depth to Water: 18.31 ft TOIC
Date: 6/4/2024
Total Well Depth: 20.03 ft TOIC
Purge Start Time: 1248
Depth to Pump: ~18 ft TOIC
Purge End Time: 1342
Initial Pump Rate: ~90 mL/min
Pump Type: bladder
adjusted to: _____ mL/min at _____ minutes
Well Diameter: 2 inches
adjusted to: _____ mL/min at _____ minutes
Well Volume: 0.28 gallons

Time	Purge Volume (gallons)	pH (s.u.)	ORP (mV)	Conductivity (mS/cm)	Temp. (°C)	DO (mg/L)	Turbidity (NTU)	Water Level (ft)
1300	0.25	7.07	220.6	3.592	18.6	4.87	38.9	18.37
1305	0.40	7.04	221.0	4.495	17.8	3.89	27.0	18.37
1310	0.50	7.08	218.1	4.729	17.5	3.48	17.8	18.39
1315	0.60	7.07	217.3	4.866	17.2	3.24	12.3	18.38
1320	0.75	7.07	216.6	4.945	17.1	3.10	10.94	18.38
1325	0.85	7.07	215.5	4.990	16.9	2.97	9.81	18.39
~~1330~~								
Final Sample Data:								

Sample ID(s): RTP-PDW109-GW, RTP-DUP-GW
Sample Time: 1330
Sampler(s): C. DeLuca, S. Rife

Analyses:	Dup?	MS/MSD?
☑ VOCs	☒	☒
☐ SVOCs	☐	☐
☐ PCBs	☐	☐
☐ Pesticides	☐	☐
☐ TAL Metals	☐	☐

Equipment: pump- FA03692, YSI-FA05728, battery-FA04500, MP-50-FA05878, STN Lamotte
Comments: Clear, n.s., n.o.

APPENDIX F

Sewer Use Permit

Check # 003639

INITIAL SEWER USE PERMIT

County of Monroe Pure Waters District No. 8571 Permit No: 962

Expires: 9-30-2014

Fee: $125.00

Firm Name Tech Park Owner LLC

Address 789 Elmgrove Rd
Rochester NY. 14624

Type of Business or Service Real Estate / Property Management

I. The above-named applicant is permitted to discharge wastes into the Pure Waters Sewer system or Tributary thereto as applied for by an application dated_____ and verified by the applicant except the Director of Pure Waters requires the following terms and conditions to govern the permitted discharge:

A._____

B._____

C._____

II. The applicant further agrees to:

1. Accept and abide by all provisions of the Sewer Use Law of Monroe County and of all pertinent rules or regulations now in force or shall be adopted in the future.

2. Notify the Director of Pure Waters in writing of any revision to the plant sewer system or any change in industrial wastes discharge to the public sewers listed in Exhibit "B". The latter encompasses either (1) an increase or decrease in average daily volume or strength of wastes listed in Exhibit "B" or (2) new wastes that were not listed in Exhibit "B".

3. Furnish the Director of Pure Waters upon request any additional information related to the installation or use of sewer or drain for which this permit is sought.

4. Operate and maintain any waste pretreatment facilities, as may be required as a condition of the acceptance into the public sewer of the industrial wastes involved, in an efficient manner at all times, and at no expense to the County.

5. Cooperate with the Director of Pure Waters or his representatives in their inspecting, sampling, and study of wastes, or the facilities provided for pretreatment.

6. Notify the Director of Pure Waters immediately of any accident, negligence, breakdown of pretreatment equipment, or other occurrence that occasions discharge to the public sewers of any wastes or process waters not covered by this permit.

Applicant's Name (please print) Tech Park Owner LLC Phone 585-295-1250 x114

Applicant's Signature Peter J Chapman Date 8/5/11

Applicant's Title Executive Vice President

Emergency Contact RP Security Phone 585-429-8400

Renewal Approved by: Michael J Garland Issued this 30th day of Sept. 2011.

Michael J. Garland, P.E.
Director of Environmental Services-Pure Waters
Monroe County

444 East Henrietta Road, Rochester, New York 14620 - 585-753-7600 option 4, fax 585-324-1213

APPLICATION FOR PERMIT TO DISCHARGE
INTO PURE WATERS SEWER SYSTEM OR TRIBUTARY

1. Name of Applicant: Tech Park Owner LLC
Company or Individual

2. Address of Applicant: 789 Elmgrove Rd.
Rochester, New York
14624

3. Location of Property: Rochester Technology Park Rochester, NY. 14624

4. Ownership of Property: Name/Address if different than above

5. Number of sewer connections requiring license/permit: One

6. Type of activity producing wastes requiring license or permit pursuant to Sewer Use Law of Monroe County: Building 4 Groundwater Sump pump discharge from SSDS.

7. Department of Health or of New York State Permit # (if any): VCA Site #00575-008

8. Number of Attachments:

Exhibit "A"

Exhibit "B"

Exhibit "C"

Exhibit "D"

~~Note: 1. Fill in all spaces. Mark, "NA" in appropriate space, if not applicable.~~

2. Refer to page 1c of this document for descriptions of Exhibits A, B and D. Refer to page 1b for Exhibit C.

444 E. Henrietta Rd., Bldg. 15 • Rochester, New York 14620-4630
(585) 760-7600 Option 4 • *fax:* (585) 324-1213 • *www.monroecounty.gov*

SUMMARY OF INDUSTRIAL WASTE CHARACTERISTICS
Exhibit C

Firm: Tech Park Owner LLC

Address: 789 Elmgrove Rd. Rochester NY. 14624

Industrial Waste Characteristics and Quantity

Characteristics	(Unit)	Avg.	Minimum	Maximum
Volume (Gal. or CF/month)				
Temperature (F or C)				
pH				
Biochemical Oxygen Demand (mg/L or lbs/mil. gal.)				
Chlorine Demand (mg/L or lbs/mil. gal.)				
Suspended Solids (mg/L or lbs/mil. gal.)				
Phosphate or Phosphorus (mg/L or lbs/mil. gal.)				

SUBSTANCES UNDER ARTICLES IV, V, VI, VII OF SEWER USE LAW

(List item and concentration (or volume) under appropriate heading. If none, so state.)

1. Unpolluted waters	(Sect. 4.1)	See attached	
2. Prohibited Materials	(Sect. 4.2)	"	"
3. Certain materials and/or characteristics	(Sect. 4.3)	"	"
4. Toxic Substances	(Sect. 5.1, 5.2)	"	"
5. Pathogenic Bacteria	(Sect. 5.1)	"	"
6. Radioactive Wastes	(Sect. 6.2)	"	"
7. Scavenger Wastes	(Sect. 7.1, 7.2)	"	"

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ATTACHMENTS TO ACCOMPANY APPLICATION

1. A plot or tape location map of the property showing accurately the size and location of all sewer and drainage connections to the sewerage system, all pretreatment devices and all manholes or other accessible sampling points. Each sewer or drain connection shown on drawing shall be designated by an identification number. The plot or tape location map shall be attached as Exhibit "A".

2. A complete schedule of all process waters and industrial wastes produced or expected to be produced at said property, including a description of the character of each waste, the daily volume and whether the flow is continuous or intermittent. The schedule shall be attached as Exhibit "B".

3. A summary of the total wastewater characteristics to be received from the applicant shall be submitted in proper for as Exhibit "C".

4. Additional information requested by the Director of Pure Waters shall be prepared as Exhibit "D" and be attached to the application as required.

Peter J. Chapman
Company Representative Signature

Peter J. Chapman
Print Name

Executive Vice President, Tech Park Owner LLC
Title

Phone Number 585-295-1250 x114

Person to be contacted for inspection and/or emergency purposes including phone number

Peter J. Chapman
Print Name

Phone number 585-295-1250 x 114

Cell # 585-370-1941

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COUNTY OF MONROE
SEWER USE PERMIT ENCLOSURE

Tech Park Owner LLC
789 Elmgrove Rd.
Rochester, NY 14624

PERMIT NUMBER: **962**
DISTRICT NUMBER: **8571**

TYPE OF BUSINESS: Groundwater Remediation

SAMPLE POINT: IWC-962.1 – Bldg. 4 Sump

REQUIRED MONITORING & EFFLUENT LIMITS

SAMPLE POINT: IWC-962.1 – Bldg. 4 Sump

SELF-MONITORING FREQUENCY: QUARTERLY

SAMPLING PROTOCOL: Sampling and analysis shall be performed in accordance with the techniques prescribed in 40CFR part 136 and amendments thereto. A grab sample, collected from the above noted sample point shall be analyzed for the following:

Purgeable Halocarbons (Including trichloroethene)

DISCHARGE LIMITATIONS: The summation of purgeable halocarbons with detection levels greater than 10µg/l shall not exceed 2.13 mg/l.

SPECIAL CONDITIONS:

1. Quarterly flow summaries shall be submitted to keep track of the volume of water being discharged. It is imperative these summaries are submitted in a timely manner.

TERMS AND CONDITIONS

GENERAL REQUIREMENTS:

A. The permittee agrees to accept and abide by all provisions of the Sewer Use Law of Monroe County(MCSUL) and of all pertinent rules or regulations now in force or shall be adopted in the future.

B.1 In addition to the parameters/limits outlined, the total facility discharge shall meet all other concentration values as described in Article II, Section 10e of the Monroe County Pure Waters Districts, Rules and Regulations-Sewer Use Law of the County of Monroe.

B.2 Included in Article II, Section 10e, is the definition of "Normal Sewage". "Normal Sewage" may be discharged to the sewer system in excess of the concentrations outlined in the Joint Rules and Regulations, however, the facility will be subject to the imposition of a sewer surcharge and possible self monitoring requirements as a result. Surcharging procedures are outlined in Article X of the MCSUL.

B.3 Regulatory sampling for analytes not specified under "required monitoring" shall be conducted by the Industrial Waste Section at a minimum frequency of once every three (3) years.

C. This permit is not assignable or transferable. The permit is issued to a specific user and location.

D. Per Article VIII, Section 8.11 of the MCSUL, a violation by the permittee of the permit conditions may be cause for revocation or suspension of the permit after a Hearing by the Administrative Board, or if the violation is found to be within the emergency powers of the Director under Sections 4.5 or 5.5. The revocation is immediate upon receipt of notice to the Industrial User, however a Hearing shall be held as soon as possible.

E. As provided under Article VIII, Section 8.1, the Director and his duly authorized representatives shall gain entry on to private lands by permission or duly issued warrant for the purpose of inspection, observation, measurement sampling and testing in accordance with the provisions of this law and its implementing Rules and Regulations. The Director or his representatives shall not have authority to inquire into any processes used in any industrial operation beyond that information having a direct bearing on the kind and source of discharge to the sewers or the on-site facilities for waste treatment. While performing the necessary work on private lands, referred to above, the Director or his duly authorized representative shall observe all safety rules applicable to the premises as established by the owner and/or occupant.

SPECIAL CONDITION:

A. All required monitoring shall be analyzed by a New York State Department of Health certified laboratory. All sampling and analysis must be performed in accordance with Title 40 Code of Federal Regulations Part 136.

B. The pH range for this permit is 5.0 – 12.0 su. This range is specifically permitted by the Director as allowed under Article IV, Section 4.2 of the Monroe County Sewer Use Law. PH must be analyzed immediately.

C. The summation of all Total Toxic Organics(TTO) Compounds as defined in the Code of Federal Regulations (40 CFR part 433.11(e)) with detection levels above 10 ug/l shall not exceed 2.13 mg/l as imposed by the Director under Article IV, Section 4.3 of the Monroe County Sewer Use Law unless Federal limits are more stringent under which the Federal limits will apply.

D. Petroleum Oil and Grease shall not exceed 100 mg/l as imposed by the Director under Article IV, Section 4.3 of the Monroe County Sewer Use Law.

E. Discharges containing Phenolic compounds shall not exceed 2.13 mg/l as imposed by the Director under Article IV, Section 4.3 of the Monroe County Sewer Use Law unless otherwise specified in the permit. These limits are applicable unless Federal limits are more stringent under which Federal limits will apply.

SURCHARGE CONCENTRATIONS:

Concentration and/or characteristics of normal sewage:
"Normal Sewage" shall mean sewage, industrial wastes or other wastes, which when analyzed, show concentration values with the following characteristics based on daily maximum limits:

a. B. O. D.	300 mg/l
b. Total Suspended Solids	300 mg/l
c. Total Phosphorus, as P	10 mg/l

Annual average concentrations above normal sewage are subject to surcharge as defined in Article X of the sewer use law.

DISCHARGE LIMITATIONS (SEWER USE LIMITS)

Permissible concentrations of toxic substances and/or substances the Department wishes to control:
The concentration in sewage of any of the following toxic substances and/or substances the Department wishes to control shall not exceed the concentration limits specified when discharged into the County Sewer System; metal pollutants are expressed as total metals in mg/l (ppm): the following pollutant limits are based on daily maximum values:

a. Antimony (Sb)	1.0 mg/l
b. Arsenic (As)	0.5 mg/l
c. Barium (Ba)	2.0 mg/l
d. Beryllium (Be)	5.0 mg/l
e. Cadmium (Cd)	1.0 mg/l
f. Chromium (Cr)	3.0 mg/l
g. Copper (Cu)	3.0 mg/l
h. Cyanide (CN)	1.0 mg/l
i. Iron (Fe)	5.0 mg/l
j. Lead (Pb)	1.0 mg/l
k. Manganese (Mn)	5.0 mg/l
l. Mercury (Hg)	0.05 mg/l
m. Nickel (Ni)	3.0 mg/l
n. Selenium (Se)	2.0 mg/l
o. Silver (Ag)	2.0 mg/l
p. Thallium (Tl)	1.0 mg/l
q. Zinc (Zn)	5.0 mg/l

REPORTING REQUIREMENTS:

A. Per the requirements of 40 CFR, Part 403.5, Significant Industrial Users must submit Periodic Reports on Continued Compliance to the Control Authority on a biannual (2/yr) basis. Deadline dates of submission for these reports will be August 15 and February 15, respectively.

B. Discharge monitoring reports shall be submitted to the Control Authority upon receipt from the permittee's testing laboratory.

C. Any Industrial User subject to the reporting requirements of the General Pretreatment Regulations shall maintain records of all information resulting from any monitoring activities required by 403.12 for a minimum of three (3) years. These records shall be available for inspection and copying by the Control Authority. This period of retention shall be extended during the course of any unresolved litigation regarding the discharge of pollutants by the Industrial User or the operation of the POTW Pretreatment Program or when requested by the Director or the Regional Administrator.

NOTIFICATION REQUIREMENTS:

A. Pursuant to Article VIII, Section 8.4K, the permittee shall notify the Department within 24 hours of becoming aware that discharge monitoring is in violation of any permit limit. This notification shall be directed to the Industrial Waste Section at 585-753-7600 Option 4. The User shall also repeat sampling and analysis for the analyte in non-compliance and submit the results of the repeat analysis to Monroe County within 30 days after becoming aware of the violation.

B. Notify the Director in writing when considering a revision to the plant sewer system or any change in industrial waste discharges to the public sewers. The later encompasses either an increase or decrease in average daily volume or strength of waste or new wastes.

C. Notify the Director immediately of any accident, negligence, breakdown of pretreatment equipment or other occurrence that occasions discharge to the public sewer of any waste or process waters not covered by this permit.

SLUG CONTROL

An Industrial User shall be required to report any/all slug discharges to the Monroe County sewer system by calling 585-753-7600 option 4. For the purpose of this permit enclosure, a slug discharge shall be identified as any discharge of a non-routine, episodic nature, including but not limited to an accidental spill or a non-customary batch discharge. Following a review process, the Control Authority (Monroe County) shall determine the applicability of a facility slug control plan. If the Control Authority decides that a slug control plan is needed, the plan shall contain, at a minimum, the following elements:

1. Description of discharge practices, including non-routine batch discharges.
2. Description of stored chemicals.
3. Procedures for immediately notifying the Control Authority of slug discharges, including any discharge that would violate a prohibition under 40 CFR 403.5 (b), with procedures for follow up written notification within five (5) days.
4. If necessary, procedures to prevent adverse impact from accidental spills, including, but not limited to, inspection and maintenance of storage areas, handling and transfer of materials, loading and unloading operations, control of plant site run-off, worker training, building of containment structures or equipment, measures for containing toxic organic pollutants (including solvents) and/or measures and equipment for emergency purposes.

SNC DEFINITION:

In accordance with 40 CFR 403.8 (f) (vii), an Industrial User is in significant noncompliance (SNC) if its violations meet one or more of the following criteria:

A. Chronic violations of wastewater discharge limits – defined as those which 66% or more of all the measurements taken during a six-month period exceed (by any magnitude) the daily maximum limit or the average limit for the same pollutant parameter. This criteria does NOT apply to the following Monroe County surchargeable parameters: Biochemical Oxygen Demand, Total Suspended Solids, Chlorine Demand and Total Phosphorus (ref. Article X – Monroe County Sewer Use Law).

B. Technical review criteria (TRC) violations – defined as those in which 33% or more of all the measurements for each pollutant parameter taken during a six month period equal or exceed the product of the daily maximum limit or the average limit times the applicable TRC. This criteria does NOT apply to the following Monroe County surchargeable parameters: Biochemical Oxygen Demand, Total Suspended Solids, Chlorine Demand and Total Phosphorus (ref. Article X – Monroe County Sewer Use Law).

C. Any other violation of a pretreatment effluent limit (daily maximum or longer-term average) that the Control Authority determines has caused, alone or in combination with other discharges, interference or pass-through (including endangering the health or POTW personnel or the general public).

D. Any discharge of a pollutant that has caused imminent endangerment to human health, welfare or the environment or has resulted in the POTW's exercise of its emergency authority under paragraph (t)(1)(vi)(8) of 40 CFR part 403 to prevent such a discharge.

E. Failure to meet, within 90 days after the scheduled date, a compliance schedule milestone contained in a local control mechanism or enforcement order, for starting construction, completing construction or attaining final compliance.

F. Failure to provide, within 30 days after the due date, required reports such as BMRs, 90 day compliance reports, period reports on continued compliance.

G. Failure to accurately report noncompliance.

H. Any other violation or group of violations that the Control Authority determines will adversely affect the operation and implementation of the local Pretreatment Program.

PENALTIES

Should the facility be considered in Significant Non-Compliance (SNC), based on the above mentioned criteria, the minimum enforcement response by Monroe County will be the publication of the company name in the Gannett Rochester newspaper. The company will be published as an Industrial User in Significant Non-Compliance (SNC). Fines and criminal penalties may follow this publication (ref. Article XII – Monroe County Sewer Use Law).

Nothing in this permit shall be construed to relieve the permittees from civil/criminal penalties for noncompliance under Article XII, Section 12.1(D) of the Sewer Use Law of the County of Monroe. Article XII, Section 12.1(D) provides that any person who violates a permit condition is subject to a civil penalty not to exceed $10,000 for any one case and an additional penalty not to exceed $10,000 for each day of continued violation.

APPENDIX G

Sump Sampling Forms

PARADIGM

PARADIGM
ENVIRONMENTAL SERVICES, INC

Analytical Report For

Tech Park Owner LLC

For Lab Project ID

232964

Referencing

Quarterly Monitoring Bldg 4 Sump

Prepared

Thursday, July 13, 2023

Any noncompliant QC parameters or other notes impacting data interpretation are flagged or documented on the final report or are noted below.

Emily Faumen

Certifies that this report has been approved by the Technical Director or Designee

179 Lake Avenue • Rochester, NY 14608 • (585) 647-2530 • Fax (585) 647-3311 • ELAP ID# 10958

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 232964

Client: **Tech Park Owner LLC**

Project Reference: Quarterly Monitoring Bldg 4 Sump

Sample Identifier:	Building #4 Sump		
Lab Sample ID:	232964-01	**Date Sampled:** 7/7/2023	14:13
Matrix:	Wastewater	**Date Received** 7/10/2023	

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 2.00	ug/L		7/12/2023 12:31
1,1,2,2-Tetrachloroethane	< 2.00	ug/L		7/12/2023 12:31
1,1,2-Trichloroethane	< 2.00	ug/L		7/12/2023 12:31
1,1-Dichloroethane	< 2.00	ug/L		7/12/2023 12:31
1,1-Dichloroethene	< 2.00	ug/L		7/12/2023 12:31
1,2-Dichlorobenzene	< 2.00	ug/L		7/12/2023 12:31
1,2-Dichloroethane	< 2.00	ug/L		7/12/2023 12:31
1,2-Dichloropropane	< 2.00	ug/L		7/12/2023 12:31
1,3-Dichlorobenzene	< 2.00	ug/L		7/12/2023 12:31
1,4-Dichlorobenzene	< 2.00	ug/L		7/12/2023 12:31
2-Chloroethyl vinyl Ether	< 5.00	ug/L		7/12/2023 12:31
Benzene	< 1.00	ug/L		7/12/2023 12:31
Bromodichloromethane	< 2.00	ug/L		7/12/2023 12:31
Bromoform	< 5.00	ug/L		7/12/2023 12:31
Bromomethane	< 2.00	ug/L		7/12/2023 12:31
Carbon Tetrachloride	< 2.00	ug/L		7/12/2023 12:31
Chlorobenzene	< 2.00	ug/L		7/12/2023 12:31
Chloroethane	< 2.00	ug/L		7/12/2023 12:31
Chloroform	< 2.00	ug/L		7/12/2023 12:31
Chloromethane	< 2.00	ug/L		7/12/2023 12:31
cis-1,3-Dichloropropene	< 2.00	ug/L		7/12/2023 12:31
Dibromochloromethane	< 2.00	ug/L		7/12/2023 12:31
Ethylbenzene	< 2.00	ug/L		7/12/2023 12:31
Methylene chloride	< 5.00	ug/L		7/12/2023 12:31
Tetrachloroethene	< 2.00	ug/L		7/12/2023 12:31
Toluene	< 2.00	ug/L		7/12/2023 12:31
trans-1,2-Dichloroethene	< 2.00	ug/L		7/12/2023 12:31
trans-1,3-Dichloropropene	< 2.00	ug/L		7/12/2023 12:31

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 232964

Client: **Tech Park Owner LLC**

Project Reference: Quarterly Monitoring Bldg 4 Sump

Sample Identifier:	Building #4 Sump		
Lab Sample ID:	232964-01	**Date Sampled:** 7/7/2023	14:13
Matrix:	Wastewater	**Date Received** 7/10/2023	

Trichloroethene	< 2.00	ug/L	7/12/2023	12:31
Trichlorofluoromethane	< 2.00	ug/L	7/12/2023	12:31
Vinyl chloride	< 2.00	ug/L	7/12/2023	12:31

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
1,2-Dichloroethane-d4	**101**	79.7 - 118		7/12/2023	12:31
4-Bromofluorobenzene	**93.4**	80.1 - 112		7/12/2023	12:31
Pentafluorobenzene	**102**	88 - 115		7/12/2023	12:31
Toluene-D8	**97.2**	88.2 - 113		7/12/2023	12:31

Method Reference(s): EPA 624.1
Data File: z18128.D
The analyte 2-Chloroethyl vinyl Ether does not recover from acid preserved VOA vials.

Analytical Report Appendix

The reported results relate only to the samples as they have been received by the laboratory.

Each page of this document is part of a multipage report. This document may not be reproduced except in its entirety, without the prior consent of Paradigm Environmental Services, Inc.

All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

Low level Volatiles blank reports for soil/solid matrix are based on a nominal 5 gram weight. Sample results and reporting limits are based on actual weight, which may be more or less than 5 grams.

The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified. Aliquots separated for certain tests, such as TCLP, are indicated on the Chain of Custody and final reports with an "A" suffix.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of analyte-specific, frequently used data flags and their meaning:

"<" = Analyzed for but not detected at or above the quantitation limit.
"E" = Result has been estimated, calibration limit exceeded.
"H" = Denotes a parameter analyzed outside of holding time.
"Z" = See case narrative.
"D" = Sample, Laboratory Control Sample, or Matrix Spike Duplicate results above Relative Percent Difference limit.
"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.
"B" = Method blank contained trace levels of analyte. Refer to included method blank report.
"J" = Result estimated between the quantitation limit and half the quantitation limit.
"L" = Laboratory Control Sample recovery outside accepted QC limits.
"P" = Concentration differs by more than 40% between the primary and secondary analytical columns.
"NC" = Not calculable. Applicable to RPD if sample or duplicate result is non-detect or estimated (see primary report for data flags). Applicable to MS if sample is greater or equal to ten times the spike added. Applicable to sample surrogates or MS if sample dilution is 10x or higher.
"" = Indicates any recoveries outside associated acceptance windows. Surrogate outliers in samples are presumed matrix effects. LCS demonstrates method compliance unless otherwise noted.*
"(1)" = Indicates data from primary column used for QC calculation.
"A" = denotes a parameter for which ELAP does not offer approval as part of their laboratory certification program.
"F" = denotes a parameter for which Paradigm does not carry certification, the results for which should therefore only be used where ELAP certification is not required, such as personal exposure assessment.

GENERAL TERMS AND CONDITIONS
LABORATORY SERVICES

These Terms and Conditions embody the whole agreement of the parties in the absence of a signed and executed contract between the Laboratory (LAB) and Client. They shall supersede all previous communications, representations, or agreements, either verbal or written, between the parties. The LAB specifically rejects all additional, inconsistent, or conflicting terms, whether printed or otherwise set forth in any purchase order or other communication from the Client to the LAB. The invalidity or unenforceability in whole or in part of any provision, term or condition hereof shall not affect in any way the validity or enforceability of the remainder of the Terms and Conditions. No waiver by LAB of any provision, term, or condition hereof or of any breach by or obligation of the Client hereunder shall constitute a waiver of such provision, term, or condition on any other occasion or a waiver of any other breach by or obligation of the Client. This agreement shall be administered and interpreted under the laws of the state which services are procured.

Warranty. Recognizing that the nature of many samples is unknown and that some may contain potentially hazardous components, LAB warrants only that it will perform testing services, obtain findings, and prepare reports in accordance with generally accepted analytical laboratory principles and practices at the time of performance of services. LAB makes no other warranty, express or implied.

Scope and Compensation. LAB agrees to perform the services described in the chain of custody to which these terms and conditions are attached. Unless the parties agree in writing to the contrary, the duties of LAB shall not be construed to exceed the services specifically described. LAB wi use LAB default method for all tests unless specified otherwise on the Work Order.
Payment terms are net 30 days from the date of invoice. All overdue payments are subject to an interest charge of one and one-half percent (1-1/2%) per month or a portion thereof. Client shall also be responsible for costs of collection, including payment of reasonable attorney fees if such expense is incurred. The prices, unless stated, do not include any sale, use or other taxes. Such taxes will be added to invoice prices when required.

Prices. Compensation for services performed will be based on the current Lab Analytical Fee Schedule or on quotations agreed to in writing by the parties. Turnaround time based charges are determined from the time of resolution of all work order questions. Testimony, court appearances or data compilation for legal action will be charged separately. Evaluation and reporting of initial screening runs may incur additional fees.

Limitations of Liability. In the event of any error, omission, or other professional negligence, the sole and exclusive responsibility of LAB shall be to re-perform the deficient work at its own expense and LAB shall have no other liability whatsoever. All claims shall be deemed waived unless made in writing and received by LAB within ninety (90) days following completion of services.
LAB shall have no liability, obligation, or responsibility of any kind for losses, costs, expenses, or other damages (including but not limited to any special, direct, incidental or consequential damages) with respect to LAB's services or results.
All results provided by LAB are strictly for the use of its clients and LAB is in no way responsible for the use of such results by clients or third parties. All reports should be considered in their entirety, and LAB is not responsible for the separation, detachment, or other use of any portion of these reports. Client may not assign the lab report without the written consent of the LAB.
Client covenants and agrees, at its/his/her sole expense, to indemnify, protect, defend, and save harmless the LAB from and against any and all damages, losses, liabilities, obligations, penalties, claims, litigation, demands, defenses, judgments, suits, actions, proceedings, costs, disbursements and/or expenses (including, without limitation attorneys' and experts' fees and disbursements) of any kind whatsoever which may at any time be imposed upon, incurred by or asserted or awarded against client relating to, resulting from or arising out of (a) the breach of this agreement by this client, (b) the negligence of the client in handling, delivering or disclosing any hazardous substance, (c) the violation of the Client of any applicable law, (d) non-compliance by the Client with any environmental permit or (e) a material misrepresentation in disclosing the materials to be tested.

Hazard Disclosure. Client represents and warrants that any sample delivered to LAB will be preceded or accompanied by complete written disclosure of the presence of any hazardous substances known or suspected by Client. Client further warrants that any sample containing any hazardous substance that is to be delivered to LAB will be packaged, labeled, transported, and delivered properly and in accordance with applicable laws.

Sample Handling. Prior to LAB's acceptance of any sample (or after any revocation of acceptance), the entire risk of loss or of damage to such sample remains with Client. Samples are accepted when receipt is acknowledged on chain of custody documentation. In no event will LAB have any responsibility for the action or inaction of any carrier shipping or delivering any sample to or from LAB premises.
Client authorizes LAB to proceed with the analysis of samples as received by the laboratory, recognizing that any samples not in compliance with all current DOH-ELAP-NELAP requirements for containers, preservation or holding time will be noted as such on th final report.
Disposal of hazardous waste samples is the responsibility of the Client. If the Client does not wish such samples returned, LAB may add storage and disposal fees to the final invoice. Maximum storage time for samples is 30 days after completion of analysis unless modified by applicable state or federal laws. Client will be required to give the LAB written instructions concerning disposal of these samples.
LAB reserves the absolute right, exercisable at any time, to refuse to receive delivery of, refuse to accept, or revoke acceptance of any sample, which, in the sole judgment of LAB (a) is of unsuitable volume, (b) may be or become unsuitable for or may pose a risk in handling, transport, or processing for any health, safety, environmental or other reason whether or not due to the presence in the sample of any hazardous substance, and whether or not such presence has been disclosed to LAB by Client or (c) if the condition or sample date make the sample unsuitable for analysis.

Legal Responsibility. LAB is solely responsible for performance of this contract, and no affiliated company, director, officer, employee, or agent shall have any legal responsibility hereunder, whether in contract or tort including negligence.

Assignment. LAB may assign its performance obligations under this contract to other parties, as it deems necessary. LAB shall disclose to Client any assignee (subcontractor) by ELAP ID # on the submitted final report.

Force Majeure. LAB shall have no responsibility or liability to the Client for any failure or delay in performance by LAB, which results in whole or in part from any cause or circumstance beyond the reasonable control of LAB. Such causes and circumstances shall include, but not limited to, acts of God, acts or orders of any government authority, strikes or other labor disputes, natural disasters, accidents, wars, civil disturbances, difficulties or delays in transportation, mail or delivery services, inability to obtain sufficient services or supplies from LAB's usual suppliers, or any other cause beyond LAB's reasonable control.

Law. This contract shall be continued under the laws of the State of New York without regard to its conflicts of laws provision.

179 Lake Avenue, Rochester, NY 14608 Office (585) 647-2530 Fax (585) 647-3311

10823
LEG 7/10/23

CHAIN OF CUSTODY

REPORT TO:		INVOICE TO:	
COMPANY:	Tech Park Owner LLC	COMPANY:	SAME
ADDRESS:	789 Elmgrove Road, Bldg #1	ADDRESS:	
CITY:	Rochester STATE: NY ZIP: 14624	CITY: STATE: ZIP:	
PHONE:	(585)295-1250 FAX: (585)295-1251	PHONE: FAX:	
ATTN:	Peter Chapman	ATTN:	

LAB PROJECT ID: 2329164

Quotation #:

Email: pchapman@rochestertechpark.com Mike Storonsky, Kate.Audino@stantec.com

PROJECT REFERENCE

Quarterly Monitoring
Bldg 4 Sump

Matrix Codes:
AQ - Aqueous Liquid; **NQ** - Non-Aqueous Liquid; **WA** - Water; **WG** - Groundwater; **DW** - Drinking Water; **WW** - Wastewater; **SO** - Soil; **SL** - Sludge; **SD** - Solid; **PT** - Paint; **WP** - Wipe; **CK** - Caulk; **OL** - Oil; **AR** - Air

REQUESTED ANALYSIS

DATE COLLECTED	TIME COLLECTED	COMPOSITE	GRAB	SAMPLE IDENTIFIER	MATRIX CODES	NUMBER OF CONTAINERS	Purgeable Halocarbons by 624									REMARKS	PARADIGM LAB SAMPLE NUMBER
7/7/2023	1413		X	Building #4 Sump	WW	2	X									Stantec EDD	01
																Copy of Sump Log to Stantec	

Turnaround Time		Report Supplements			
Availability contingent upon lab approval; additional fees may apply.					
Standard 5 day	X	None Required	☐	None Required	☐
10 day	☐	Batch QC	☐	Basic EDD	☐
Rush 3 day	☐	Category A	☐	NYSDEC EDD	☐
Rush 2 day	☐	Category B	☐		
Rush 1 day	☐				
Other (please indicate date needed)	☐	Other (please indicate package needed)	☐	Other EDD (please indicate EDD needed)	☐

Joe Miller — Sampled By Paradigm — 7/7/2023 — Date/Time — Total Cost:

Joe Miller — Relinquished By — 7/7/2023 @ 1515 — Date/Time

Received By — Date/Time — P.I.F.

Received @ Lab By: 7/7/23 1523 — Date/Time

17°C iced in field 7/7/23 1534

By signing this form, client agrees to Paradigm Terms and Conditions (reverse).

See additional page for sample conditions.

2003

SUMP SAMPLING FORM
Rochester Technology Park, Building 4
Town of Gates, Monroe County, NY
Site # V00575-8

Sampler Name	Joe Fowler
Sampler Company	Paradigm Environmental Services, Inc.
General Condition of Sump & Cover	Intact
Observations of Sump Water (i.e. color & odor)	Clear with a little sulfurous smell
Sump Flow Meter Reading	00159800
Sump Purge Date/Time	7/7/23 @ 1409
Sample Date/Time	7/7/23 @ 1413
Sampling Method	Manual Grab
Sample Container Type	40 ml. septum sealed vials (2) with HCL preservative
Sample Parameters	Volatile Halogens by EPA Method 624
Laboratory	Paradigm Environmental Services, Inc.
Comments	

PARADIGM

Chain of Custody Supplement

Client: Tech Park

Lab Project ID: 2329604

Completed by: [signature]

Date: 7/7/2023

Sample Condition Requirements

Per NELAC/ELAP 210/241/242/243/244

Condition	NELAC compliance with the sample condition requirements upon receipt Yes	No	N/A
Container Type	X		
Comments			
Transferred to method-compliant container			X
Headspace (<1 mL)	X		
Comments			
Preservation	X 624 (per Container)		
Comments			
Chlorine Absent (<0.10 ppm per test strip)	X		
Comments	V624: Cl⁻ neg.		
Holding Time	X		
Comments			
Temperature	X		
Comments	1.7°C Iced in Field		
Compliant Sample Quantity/Type	X		
Comments			

PARADIGM

PARADIGM
ENVIRONMENTAL SERVICES, INC

Analytical Report For

Tech Park Owner LLC

For Lab Project ID

234703

Referencing

Quarterly Monitoring Bldg 4 Sump

Prepared

Thursday, October 12, 2023

Any noncompliant QC parameters or other notes impacting data interpretation are flagged or documented on the final report or are noted below.

Emily Farmer

Certifies that this report has been approved by the Technical Director or Designee

179 Lake Avenue • Rochester, NY 14608 • (585) 647-2530 • Fax (585) 647-3311 • ELAP ID# 10958

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 234703

Client: **Tech Park Owner LLC**

Project Reference: Quarterly Monitoring Bldg 4 Sump

Sample Identifier:	Building #4 Sump		
Lab Sample ID:	234703-01	**Date Sampled:** 10/6/2023	14:46
Matrix:	Wastewater	**Date Received** 10/6/2023	

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 2.00	ug/L		10/11/2023 17:38
1,1,2,2-Tetrachloroethane	< 2.00	ug/L		10/11/2023 17:38
1,1,2-Trichloroethane	< 2.00	ug/L		10/11/2023 17:38
1,1-Dichloroethane	< 2.00	ug/L		10/11/2023 17:38
1,1-Dichloroethene	< 2.00	ug/L		10/11/2023 17:38
1,2-Dichlorobenzene	< 2.00	ug/L		10/11/2023 17:38
1,2-Dichloroethane	< 2.00	ug/L		10/11/2023 17:38
1,2-Dichloropropane	< 2.00	ug/L		10/11/2023 17:38
1,3-Dichlorobenzene	< 2.00	ug/L		10/11/2023 17:38
1,4-Dichlorobenzene	< 2.00	ug/L		10/11/2023 17:38
2-Chloroethyl vinyl Ether	< 5.00	ug/L		10/11/2023 17:38
Benzene	< 1.00	ug/L		10/11/2023 17:38
Bromodichloromethane	< 2.00	ug/L		10/11/2023 17:38
Bromoform	< 5.00	ug/L		10/11/2023 17:38
Bromomethane	< 2.00	ug/L		10/11/2023 17:38
Carbon Tetrachloride	< 2.00	ug/L		10/11/2023 17:38
Chlorobenzene	< 2.00	ug/L		10/11/2023 17:38
Chloroethane	< 2.00	ug/L		10/11/2023 17:38
Chloroform	< 2.00	ug/L		10/11/2023 17:38
Chloromethane	< 2.00	ug/L		10/11/2023 17:38
cis-1,3-Dichloropropene	< 2.00	ug/L		10/11/2023 17:38
Dibromochloromethane	< 2.00	ug/L		10/11/2023 17:38
Ethylbenzene	< 2.00	ug/L		10/11/2023 17:38
Methylene chloride	< 5.00	ug/L		10/11/2023 17:38
Tetrachloroethene	< 2.00	ug/L		10/11/2023 17:38
Toluene	< 2.00	ug/L		10/11/2023 17:38
trans-1,2-Dichloroethene	< 2.00	ug/L		10/11/2023 17:38
trans-1,3-Dichloropropene	< 2.00	ug/L		10/11/2023 17:38

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 234703

Client: **Tech Park Owner LLC**

Project Reference: Quarterly Monitoring Bldg 4 Sump

Sample Identifier: Building #4 Sump
Lab Sample ID: 234703-01 **Date Sampled:** 10/6/2023 14:46
Matrix: Wastewater **Date Received** 10/6/2023

Trichloroethene	**2.20**	ug/L		10/11/2023 17:38
Trichlorofluoromethane	< 2.00	ug/L		10/11/2023 17:38
Vinyl chloride	< 2.00	ug/L		10/11/2023 17:38

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	**105**	79.7 - 118		10/11/2023 17:38
4-Bromofluorobenzene	**86.9**	80.1 - 112		10/11/2023 17:38
Pentafluorobenzene	**101**	88 - 115		10/11/2023 17:38
Toluene-D8	**96.9**	88.2 - 113		10/11/2023 17:38

Method Reference(s): EPA 624.1
Data File: z20189.D
The analyte 2-Chloroethyl vinyl Ether does not recover from acid preserved VOA vials.

Analytical Report Appendix

The reported results relate only to the samples as they have been received by the laboratory.

Each page of this document is part of a multipage report. This document may not be reproduced except in its entirety, without the prior consent of Paradigm Environmental Services, Inc.

All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

Low level Volatiles blank reports for soil/solid matrix are based on a nominal 5 gram weight. Sample results and reporting limits are based on actual weight, which may be more or less than 5 grams.

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NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified. Aliquots separated for certain tests, such as TCLP, are indicated on the Chain of Custody and final reports with an "A" suffix.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of analyte-specific, frequently used data flags and their meaning:

"<" = Analyzed for but not detected at or above the quantitation limit.
"E" = Result has been estimated, calibration limit exceeded.
"H" = Denotes a parameter analyzed outside of holding time.
"Z" = See case narrative.
"D" = Sample, Laboratory Control Sample, or Matrix Spike Duplicate results above Relative Percent Difference limit.
"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.
"B" = Method blank contained trace levels of analyte. Refer to included method blank report.
"J" = Result estimated between the quantitation limit and half the quantitation limit.
"L" = Laboratory Control Sample recovery outside accepted QC limits.
"P" = Concentration differs by more than 40% between the primary and secondary analytical columns.
"NC" = Not calculable. Applicable to RPD if sample or duplicate result is non-detect or estimated (see primary report for data flags). Applicable to MS if sample is greater or equal to ten times the spike added. Applicable to sample surrogates or MS if sample dilution is 10x or higher.
"" = Indicates any recoveries outside associated acceptance windows. Surrogate outliers in samples are presumed matrix effects. LCS demonstrates method compliance unless otherwise noted.*
"(1)" = Indicates data from primary column used for QC calculation.
"A" = denotes a parameter for which ELAP does not offer approval as part of their laboratory certification program.
"F" = denotes a parameter for which Paradigm does not carry certification, the results for which should therefore only be used where ELAP certification is not required, such as personal exposure assessment.

GENERAL TERMS AND CONDITIONS
LABORATORY SERVICES

These Terms and Conditions embody the whole agreement of the parties in the absence of a signed and executed contract between the Laboratory (LAB) and Client. They shall supersede all previous communications, representations, or agreements, either verbal or written, between the parties. The LAB specifically rejects all additional, inconsistent, or conflicting terms, whether printed or otherwise set forth in any purchase order or other communication from the Client to the LAB. The invalidity or unenforceability in whole or in part of any provision, term or condition hereof shall not affect in any way the validity or enforceability of the remainder of the Terms and Conditions. No waiver by LAB of any provision, term, or condition hereof or of any breach by or obligation of the Client hereunder shall constitute a waiver of such provision, term, or condition on any other occasion or a waiver of any other breach by or obligation of the Client. This agreement shall be administered and interpreted under the laws of the state which services are procured.

Warranty. Recognizing that the nature of many samples is unknown and that some may contain potentially hazardous components, LAB warrants only that it will perform testing services, obtain findings, and prepare reports in accordance with generally accepted analytical laboratory principles and practices at the time of performance of services. LAB makes no other warranty, express or implied.

Scope and Compensation. LAB agrees to perform the services described in the chain of custody to which these terms and conditions are attached. Unless the parties agree in writing to the contrary, the duties of LAB shall not be construed to exceed the services specifically described. LAB wi use LAB default method for all tests unless specified otherwise on the Work Order.
Payment terms are net 30 days from the date of invoice. All overdue payments are subject to an interest charge of one and one-half percent (1-1/2%) per month or a portion thereof. Client shall also be responsible for costs of collection, including payment of reasonable attorney fees if such expense is incurred. The prices, unless stated, do not include any sale, use or other taxes. Such taxes will be added to invoice prices when required.

Prices. Compensation for services performed will be based on the current Lab Analytical Fee Schedule or on quotations agreed to in writing by the parties. Turnaround time based charges are determined from the time of resolution of all work order questions. Testimony, court appearances or data compilation for legal action will be charged separately. Evaluation and reporting of initial screening runs may incur additional fees.

Limitations of Liability. In the event of any error, omission, or other professional negligence, the sole and exclusive responsibility of LAB shall be to re-perform the deficient work at its own expense and LAB shall have no other liability whatsoever. All claims shall be deemed waived unless made in writing and received by LAB within ninety (90) days following completion of services.
LAB shall have no liability, obligation, or responsibility of any kind for losses, costs, expenses, or other damages (including but not limited to any special, direct, incidental or consequential damages) with respect to LAB's services or results.
All results provided by LAB are strictly for the use of its clients and LAB is in no way responsible for the use of such results by clients or third parties. All reports should be considered in their entirety, and LAB is not responsible for the separation, detachment, or other use of any portion of these reports. Client may not assign the lab report without the written consent of the LAB.
Client covenants and agrees, at its/his/her sole expense, to indemnify, protect, defend, and save harmless the LAB from and against any and all damages, losses, liabilities, obligations, penalties, claims, litigation, demands, defenses, judgments, suits, actions, proceedings, costs, disbursements and/or expenses (including, without limitation attorneys' and experts' fees and disbursements) of any kind whatsoever which may at any time be imposed upon, incurred by or asserted or awarded against client relating to, resulting from or arising out of (a) the breach of this agreement by this client, (b) the negligence of the client in handling, delivering or disclosing any hazardous substance, (c) the violation of the Client of any applicable law, (d) non-compliance by the Client with any environmental permit or (e) a material misrepresentation in disclosing the materials to be tested.

Hazard Disclosure. Client represents and warrants that any sample delivered to LAB will be preceded or accompanied by complete written disclosure of the presence of any hazardous substances known or suspected by Client. Client further warrants that any sample containing any hazardous substance that is to be delivered to LAB will be packaged, labeled, transported, and delivered properly and in accordance with applicable laws.

Sample Handling. Prior to LAB's acceptance of any sample (or after any revocation of acceptance), the entire risk of loss or of damage to such sample remains with Client. Samples are accepted when receipt is acknowledged on chain of custody documentation. In no event will LAB have any responsibility for the action or inaction of any carrier shipping or delivering any sample to or from LAB premises.
Client authorizes LAB to proceed with the analysis of samples as received by the laboratory, recognizing that any samples not in compliance with all current DOH-ELAP-NELAP requirements for containers, preservation or holding time will be noted as such on th final report.
Disposal of hazardous waste samples is the responsibility of the Client. If the Client does not wish such samples returned, LAB may add storage and disposal fees to the final invoice. Maximum storage time for samples is 30 days after completion of analysis unless modified by applicable state or federal laws. Client will be required to give the LAB written instructions concerning disposal of these samples.
LAB reserves the absolute right, exercisable at any time, to refuse to receive delivery of, refuse to accept, or revoke acceptance of any sample, which, in the sole judgment of LAB (a) is of unsuitable volume, (b) may be or become unsuitable for or may pose a risk in handling, transport, or processing for any health, safety, environmental or other reason whether or not due to the presence in the sample of any hazardous substance, and whether or not such presence has been disclosed to LAB by Client or (c) if the condition or sample date make the sample unsuitable for analysis.

Legal Responsibility. LAB is solely responsible for performance of this contract, and no affiliated company, director, officer, employee, or agent shall have any legal responsibility hereunder, whether in contract or tort including negligence.

Assignment. LAB may assign its performance obligations under this contract to other parties, as it deems necessary. LAB shall disclose to Client any assignee (subcontractor) by ELAP ID # on the submitted final report.

Force Majeure. LAB shall have no responsibility or liability to the Client for any failure or delay in performance by LAB, which results in whole or in part from any cause or circumstance beyond the reasonable control of LAB. Such causes and circumstances shall include, but not limited to, acts of God, acts or orders of any government authority, strikes or other labor disputes, natural disasters, accidents, wars, civil disturbances, difficulties or delays in transportation, mail or delivery services, inability to obtain sufficient services or supplies from LAB's usual suppliers, or any other cause beyond LAB's reasonable control.

Law. This contract shall be continued under the laws of the State of New York without regard to its conflicts of laws provision.

179 Lake Avenue, Rochester, NY 14608 Office (585) 647-2530 Fax (585) 647-3311

CHAIN OF CUSTODY

1078
1093
1111

REPORT TO:		INVOICE TO:	
COMPANY:	Tech Park Owner LLC	COMPANY:	SAME
ADDRESS:	789 Elmgrove Road, Bldg #1	ADDRESS:	
CITY:	Rochester STATE: NY ZIP: 14624	CITY: STATE: ZIP:	
PHONE:	(585)295-1250 FAX: (585)295-1251	PHONE: FAX:	
ATTN:	Peter Chapman	ATTN:	

LAB PROJECT ID: 234703

Quotation #:

Email: pchapman@rochestertechpark.com Mike Storonsky, Kate.Audino@stantec.com

PROJECT REFERENCE

Quarterly Monitoring
Bldg 4 Sump

Matrix Codes:
AQ - Aqueous Liquid; NQ - Non-Aqueous Liquid; WA - Water; WG - Groundwater; DW - Drinking Water; WW - Wastewater; SO - Soil; SL - Sludge; SD - Solid; PT - Paint; WP - Wipe; CK - Caulk; OL - Oil; AR - Air

REQUESTED ANALYSIS

DATE COLLECTED	TIME COLLECTED	COMPOSITE	GRAB	SAMPLE IDENTIFIER	MATRIX CODES	NUMBER OF CONTAINERS	Purgeable Halocarbons by 624									REMARKS	PARADIGM LAB SAMPLE NUMBER
10/6/2023	1446		X	Building #4 Sump	WW	2	X									Stantec EDD	01
																Copy of Sump Log to Stantec	

Turnaround Time		Report Supplements			
Availability contingent upon lab approval; additional fees may apply.					
Standard 5 day	X	None Required		None Required	
10 day		Batch QC		Basic EDD	
Rush 3 day		Category A		NYSDEC EDD	
Rush 2 day		Category B			
Rush 1 day					
Other (please indicate date needed)		Other (please indicate package needed)		Other EDD (please indicate EDD needed)	

Joe Mallen 10/6/2023
Sampled By Paradigm — Date/Time

Joe Mallen 10/6/2023 @ 1522
Relinquished By — Date/Time

Total Cost:

Received By — Date/Time

Received @ Lab By 10/6/23 1530 — Date/Time

P.I.F.

20°C iced in field 10/6/23 1543

By signing this form, client agrees to Paradigm Terms and Conditions (reverse).

See additional page for sample conditions.

SUMP SAMPLING FORM
Rochester Technology Park, Building 4
Town of Gates, Monroe County, NY
Site # V00575-8

Sampler Name	Joe Maier, Quinton Mulcahy
Sampler Company	Paradigm Environmental Services, Inc.
General Condition of Sump & Cover	Intact
Observations of Sump Water (i.e. color & odor)	Blue Tinge, no odor
Sump Flow Meter Reading	00162300
Sump Purge Date/Time	10/6/2023 @ 1436
Sample Date/Time	10/6/2023 @ 1446
Sampling Method	Manual Grab
Sample Container Type	40 ml. septum sealed vials (2) with HCL preservative
Sample Parameters	Volatile Halogens by EPA Method 624
Laboratory	Paradigm Environmental Services, Inc.
Comments	

PARADIGM

Chain of Custody Supplement

Client: Iten Park **Completed by:** Glenn Pezzulo

Lab Project ID: 234783 **Date:** 10/6/23

Sample Condition Requirements

Per NELAC/ELAP 210/241/242/243/244

Condition	NELAC compliance with the sample condition requirements upon receipt Yes	No	N/A
Container Type	X		
Comments			
Transferred to method-compliant container			X
Headspace (<1 mL)	X		
Comments			
Preservation	X		
Comments			
Chlorine Absent (<0.10 ppm per test strip)	X		
Comments	VOA 624: Cl⁻ neg.		
Holding Time	X		
Comments			
Temperature	X		
Comments	20°C iced in field		
Compliant Sample Quantity/Type	X		
Comments			

PARADIGM
ENVIRONMENTAL SERVICES, INC

Analytical Report For

Tech Park Owner LLC

For Lab Project ID

240089

Referencing

Quarterly Monitoring Bldg 4 Sump

Prepared

Thursday, January 11, 2024

Any noncompliant QC parameters or other notes impacting data interpretation are flagged or documented on the final report or are noted below.

Certifies that this report has been approved by the Technical Director or Designee

179 Lake Avenue • Rochester, NY 14608 • (585) 647-2530 • Fax (585) 647-3311 • ELAP ID# 10958

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 240089

Client: **Tech Park Owner LLC**

Project Reference: Quarterly Monitoring Bldg 4 Sump

Sample Identifier:	Building #4 Sump		
Lab Sample ID:	240089-01	**Date Sampled:** 1/5/2024	11:08
Matrix:	Wastewater	**Date Received** 1/5/2024	

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 2.00	ug/L		1/9/2024 13:29
1,1,2,2-Tetrachloroethane	< 2.00	ug/L		1/9/2024 13:29
1,1,2-Trichloroethane	< 2.00	ug/L		1/9/2024 13:29
1,1-Dichloroethane	< 2.00	ug/L		1/9/2024 13:29
1,1-Dichloroethene	< 2.00	ug/L		1/9/2024 13:29
1,2-Dichlorobenzene	< 2.00	ug/L		1/9/2024 13:29
1,2-Dichloroethane	< 2.00	ug/L		1/9/2024 13:29
1,2-Dichloropropane	< 2.00	ug/L		1/9/2024 13:29
1,3-Dichlorobenzene	< 2.00	ug/L		1/9/2024 13:29
1,4-Dichlorobenzene	< 2.00	ug/L		1/9/2024 13:29
2-Chloroethyl vinyl Ether	< 5.00	ug/L		1/9/2024 13:29
Benzene	< 1.00	ug/L		1/9/2024 13:29
Bromodichloromethane	< 2.00	ug/L		1/9/2024 13:29
Bromoform	< 5.00	ug/L		1/9/2024 13:29
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Method Reference(s): EPA 624.1
Data File: z21870.D
The analyte 2-Chloroethyl vinyl Ether does not recover from acid preserved VOA vials.

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All results provided by LAB are strictly for the use of its clients and LAB is in no way responsible for the use of such results by clients or third parties. All reports should be considered in their entirety, and LAB is not responsible for the separation, detachment, or other use of any portion of these reports. Client may not assign the lab report without the written consent of the LAB.
Client covenants and agrees, at its/his/her sole expense, to indemnify, protect, defend, and save harmless the LAB from and against any and all damages, losses, liabilities, obligations, penalties, claims, litigation, demands, defenses, judgments, suits, actions, proceedings, costs, disbursements and/or expenses (including, without limitation attorneys' and experts' fees and disbursements) of any kind whatsoever which may at any time be imposed upon, incurred by or asserted or awarded against client relating to, resulting from or arising out of (a) the breach of this agreement by this client, (b) the negligence of the client in handling, delivering or disclosing any hazardous substance, (c) the violation of the Client of any applicable law, (d) non-compliance by the Client with any environmental permit or (e) a material misrepresentation in disclosing the materials to be tested.

Hazard Disclosure. Client represents and warrants that any sample delivered to LAB will be preceded or accompanied by complete written disclosure of the presence of any hazardous substances known or suspected by Client. Client further warrants that any sample containing any hazardous substance that is to be delivered to LAB will be packaged, labeled, transported, and delivered properly and in accordance with applicable laws.

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Legal Responsibility. LAB is solely responsible for performance of this contract, and no affiliated company, director, officer, employee, or agent shall have any legal responsibility hereunder, whether in contract or tort including negligence.

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Law. This contract shall be continued under the laws of the State of New York without regard to its conflicts of laws provision.

179 Lake Avenue, Rochester, NY 14608 Office (585) 647-2530 Fax (585) 647-3311

1 of 3
MEH 1/5/24

CHAIN OF CUSTODY

PARADIGM ENVIRONMENTAL SERVICES INC

REPORT TO:		INVOICE TO:	
COMPANY:	Tech Park Owner LLC	COMPANY:	SAME
ADDRESS:	789 Elmgrove Road, Bldg #1	ADDRESS:	
CITY:	Rochester STATE: NY ZIP: 14624	CITY: STATE: ZIP:	
PHONE:	(585)295-1250 FAX: (585)295-1251	PHONE: FAX:	
ATTN:	Peter Chapman	ATTN:	

LAB PROJECT ID: 240089

Quotation #:

Email: pchapman@rochestertechpark.com Mike Storonsky, Kate.Audino@stantec.com

PROJECT REFERENCE

Quarterly Monitoring
Bldg 4 Sump

Matrix Codes:
AQ - Aqueous Liquid; NQ - Non-Aqueous Liquid; WA - Water; WG - Groundwater; DW - Drinking Water; WW - Wastewater; SO - Soil; SL - Sludge; SD - Solid; PT - Paint; WP - Wipe; CK - Caulk; OL - Oil; AR - Air

REQUESTED ANALYSIS

DATE COLLECTED	TIME COLLECTED	COMPOSITE	GRAB	SAMPLE IDENTIFIER	MATRIX CODES	NUMBER OF CONTAINERS	Purgeable Halocarbons by 624									REMARKS	PARADIGM LAB SAMPLE NUMBER
1/5/2024	1108		X	Building #4 Sump	WW	2	X									Stantec EDD	01
																Copy of Sump Log to Stantec	

Turnaround Time		Report Supplements			
Availability contingent upon lab approval; additional fees may apply.					
Standard 5 day	X	None Required	☐	None Required	☐
10 day	☐	Batch QC	☐	Basic EDD	☐
Rush 3 day	☐	Category A	☐	NYSDEC EDD	☐
Rush 2 day	☐	Category B	☐		
Rush 1 day	☐				
Other (please indicate date needed)	☐	Other (please indicate package needed)	☐	Other EDD (please indicate EDD needed)	☐

Joe Fowle — Sampled By Paradigm — 1/5/2024 — Date/Time

Total Cost:

Joe Fowle — Relinquished By — 1/5/2024 @ 1159 — Date/Time

Received By — Date/Time

P.I.F.

Received @ Lab By — 1/5/24 1205 — Date/Time

Sealed 1/5/24 1311

By signing this form, client agrees to Paradigm Terms and Conditions (reverse).

See additional page for sample conditions.

SUMP SAMPLING FORM
Rochester Technology Park, Building 4
Town of Gates, Monroe County, NY
Site # V00575-8

Sampler Name Joe Fowler	
Sampler Company	Paradigm Environmental Services, Inc.
General Condition of Sump & Cover	Sump Pump Dirty/Grimmy / water clear cover sealed
Observations of Sump Water (i.e. color & odor)	water clear, no odor
Sump Flow Meter Reading	001641.00
Sump Purge Date/Time	1/5/2024 @ 1103
Sample Date/Time	1/5/2024 @ 1108
Sampling Method	Manual Grab
Sample Container Type	40 ml. septum sealed vials (2) with HCL preservative
Sample Parameters	Volatile Halogens by EPA Method 624
Laboratory	Paradigm Environmental Services, Inc.
Comments	

~~2of2~~
3of3
EL EH
1/5/24

PARADIGM

Chain of Custody Supplement

Client: Tech Park

Lab Project ID: 240089

Completed by: [illegible]

Date: 1/5/2024

Sample Condition Requirements

Per NELAC/ELAP 210/241/242/243/244

Condition	NELAC compliance with the sample condition requirements upon receipt Yes	No	N/A
Container Type	X		
Comments			
Transferred to method-compliant container			X
Headspace (<1 mL)	X		
Comments			
Preservation	X 624 (per label)		
Comments			
Chlorine Absent (<0.10 ppm per test strip)	X		
Comments	V624: Cl⁻ neg		
Holding Time	X		
Comments			
Temperature	X		
Comments	5°C Iced		
Compliant Sample Quantity/Type	X		
Comments			

PARADIGM

PARADIGM
ENVIRONMENTAL SERVICES, INC

Analytical Report For

Tech Park Owner LLC

For Lab Project ID

241499

Referencing

Quarterly Monitoring Bldg 4 Sump

Prepared

Thursday, April 11, 2024

Any noncompliant QC parameters or other notes impacting data interpretation are flagged or documented on the final report or are noted below.

Emily Farmer

Certifies that this report has been approved by the Technical Director or Designee

179 Lake Avenue • Rochester, NY 14608 • (585) 647-2530 • Fax (585) 647-3311 • ELAP ID# 10958

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 241499

Client: **Tech Park Owner LLC**

Project Reference: Quarterly Monitoring Bldg 4 Sump

Sample Identifier:	Building #4 Sump		
Lab Sample ID:	241499-01	**Date Sampled:** 4/5/2024	8:51
Matrix:	Wastewater	**Date Received** 4/5/2024	

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 2.00	ug/L		4/10/2024 13:46
1,1,2,2-Tetrachloroethane	< 2.00	ug/L		4/10/2024 13:46
1,1,2-Trichloroethane	< 2.00	ug/L		4/10/2024 13:46
1,1-Dichloroethane	< 2.00	ug/L		4/10/2024 13:46
1,1-Dichloroethene	< 2.00	ug/L		4/10/2024 13:46
1,2-Dichlorobenzene	< 2.00	ug/L		4/10/2024 13:46
1,2-Dichloroethane	< 2.00	ug/L		4/10/2024 13:46
1,2-Dichloropropane	< 2.00	ug/L		4/10/2024 13:46
1,3-Dichlorobenzene	< 2.00	ug/L		4/10/2024 13:46
1,4-Dichlorobenzene	< 2.00	ug/L		4/10/2024 13:46
2-Chloroethyl vinyl Ether	< 5.00	ug/L		4/10/2024 13:46
Benzene	< 1.00	ug/L		4/10/2024 13:46
Bromodichloromethane	< 2.00	ug/L		4/10/2024 13:46
Bromoform	< 5.00	ug/L		4/10/2024 13:46
Bromomethane	< 2.00	ug/L		4/10/2024 13:46
Carbon Tetrachloride	< 2.00	ug/L		4/10/2024 13:46
Chlorobenzene	< 2.00	ug/L		4/10/2024 13:46
Chloroethane	< 2.00	ug/L		4/10/2024 13:46
Chloroform	< 2.00	ug/L		4/10/2024 13:46
Chloromethane	**4.18**	ug/L		4/10/2024 13:46
cis-1,3-Dichloropropene	< 2.00	ug/L		4/10/2024 13:46
Dibromochloromethane	< 2.00	ug/L		4/10/2024 13:46
Ethylbenzene	< 2.00	ug/L		4/10/2024 13:46
Methylene chloride	< 5.00	ug/L		4/10/2024 13:46
Tetrachloroethene	< 2.00	ug/L		4/10/2024 13:46
Toluene	< 2.00	ug/L		4/10/2024 13:46
trans-1,2-Dichloroethene	< 2.00	ug/L		4/10/2024 13:46
trans-1,3-Dichloropropene	< 2.00	ug/L		4/10/2024 13:46

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 241499

Client: **Tech Park Owner LLC**

Project Reference: Quarterly Monitoring Bldg 4 Sump

Sample Identifier:	Building #4 Sump		
Lab Sample ID:	241499-01	**Date Sampled:** 4/5/2024	8:51
Matrix:	Wastewater	**Date Received** 4/5/2024	

Trichloroethene	**2.79**	ug/L		4/10/2024	13:46
Trichlorofluoromethane	< 2.00	ug/L		4/10/2024	13:46
Vinyl chloride	< 2.00	ug/L		4/10/2024	13:46

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
1,2-Dichloroethane-d4	**105**	79.7 - 118		4/10/2024	13:46
4-Bromofluorobenzene	**90.2**	80.1 - 112		4/10/2024	13:46
Pentafluorobenzene	**94.1**	88 - 115		4/10/2024	13:46
Toluene-D8	**98.8**	88.2 - 113		4/10/2024	13:46

Method Reference(s): EPA 624.1

Data File: z23489.D

The analyte 2-Chloroethyl vinyl Ether does not recover from acid preserved VOA vials.

Analytical Report Appendix

The reported results relate only to the samples as they have been received by the laboratory.

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All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

Low level Volatiles blank reports for soil/solid matrix are based on a nominal 5 gram weight. Sample results and reporting limits are based on actual weight, which may be more or less than 5 grams.

The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified. Aliquots separated for certain tests, such as TCLP, are indicated on the Chain of Custody and final reports with an "A" suffix.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of analyte-specific, frequently used data flags and their meaning:

"<" = Analyzed for but not detected at or above the quantitation limit.
"E" = Result has been estimated, calibration limit exceeded.
"H" = Denotes a parameter analyzed outside of holding time.
"Z" = See case narrative.
"D" = Sample, Laboratory Control Sample, or Matrix Spike Duplicate results above Relative Percent Difference limit.
"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.
"B" = Method blank contained trace levels of analyte. Refer to included method blank report.
"J" = Result estimated between the quantitation limit and half the quantitation limit.
"L" = Laboratory Control Sample recovery outside accepted QC limits.
"P" = Concentration differs by more than 40% between the primary and secondary analytical columns.
"NC" = Not calculable. Applicable to RPD if sample or duplicate result is non-detect or estimated (see primary report for data flags). Applicable to MS if sample is greater or equal to ten times the spike added. Applicable to sample surrogates or MS if sample dilution is 10x or higher.
"" = Indicates any recoveries outside associated acceptance windows. Surrogate outliers in samples are presumed matrix effects. LCS demonstrates method compliance unless otherwise noted.*
"(1)" = Indicates data from primary column used for QC calculation.
"A" = denotes a parameter for which ELAP does not offer approval as part of their laboratory certification program.
"F" = denotes a parameter for which Paradigm does not carry certification, the results for which should therefore only be used where ELAP certification is not required, such as personal exposure assessment.

GENERAL TERMS AND CONDITIONS
LABORATORY SERVICES

These Terms and Conditions embody the whole agreement of the parties in the absence of a signed and executed contract between the Laboratory (LAB) and Client. They shall supersede all previous communications, representations, or agreements, either verbal or written, between the parties. The LAB specifically rejects all additional, inconsistent, or conflicting terms, whether printed or otherwise set forth in any purchase order or other communication from the Client to the LAB. The invalidity or unenforceability in whole or in part of any provision, term or condition hereof shall not affect in any way the validity or enforceability of the remainder of the Terms and Conditions. No waiver by LAB of any provision, term, or condition hereof or of any breach by or obligation of the Client hereunder shall constitute a waiver of such provision, term, or condition on any other occasion or a waiver of any other breach by or obligation of the Client. This agreement shall be administered and interpreted under the laws of the state which services are procured.

Warranty. Recognizing that the nature of many samples is unknown and that some may contain potentially hazardous components, LAB warrants only that it will perform testing services, obtain findings, and prepare reports in accordance with generally accepted analytical laboratory principles and practices at the time of performance of services. LAB makes no other warranty, express or implied.

Scope and Compensation. LAB agrees to perform the services described in the chain of custody to which these terms and conditions are attached. Unless the parties agree in writing to the contrary, the duties of LAB shall not be construed to exceed the services specifically described. LAB wi use LAB default method for all tests unless specified otherwise on the Work Order.
Payment terms are net 30 days from the date of invoice. All overdue payments are subject to an interest charge of one and one-half percent (1-1/2%) per month or a portion thereof. Client shall also be responsible for costs of collection, including payment of reasonable attorney fees if such expense is incurred. The prices, unless stated, do not include any sale, use or other taxes. Such taxes will be added to invoice prices when required.

Prices. Compensation for services performed will be based on the current Lab Analytical Fee Schedule or on quotations agreed to in writing by the parties. Turnaround time based charges are determined from the time of resolution of all work order questions. Testimony, court appearances or data compilation for legal action will be charged separately. Evaluation and reporting of initial screening runs may incur additional fees.

Limitations of Liability. In the event of any error, omission, or other professional negligence, the sole and exclusive responsibility of LAB shall be to re-perform the deficient work at its own expense and LAB shall have no other liability whatsoever. All claims shall be deemed waived unless made in writing and received by LAB within ninety (90) days following completion of services.
LAB shall have no liability, obligation, or responsibility of any kind for losses, costs, expenses, or other damages (including but not limited to any special, direct, incidental or consequential damages) with respect to LAB's services or results.
All results provided by LAB are strictly for the use of its clients and LAB is in no way responsible for the use of such results by clients or third parties. All reports should be considered in their entirety, and LAB is not responsible for the separation, detachment, or other use of any portion of these reports. Client may not assign the lab report without the written consent of the LAB.
Client covenants and agrees, at its/his/her sole expense, to indemnify, protect, defend, and save harmless the LAB from and against any and all damages, losses, liabilities, obligations, penalties, claims, litigation, demands, defenses, judgments, suits, actions, proceedings, costs, disbursements and/or expenses (including, without limitation attorneys' and experts' fees and disbursements) of any kind whatsoever which may at any time be imposed upon, incurred by or asserted or awarded against client relating to, resulting from or arising out of (a) the breach of this agreement by this client, (b) the negligence of the client in handling, delivering or disclosing any hazardous substance, (c) the violation of the Client of any applicable law, (d) non-compliance by the Client with any environmental permit or (e) a material misrepresentation in disclosing the materials to be tested.

Hazard Disclosure. Client represents and warrants that any sample delivered to LAB will be preceded or accompanied by complete written disclosure of the presence of any hazardous substances known or suspected by Client. Client further warrants that any sample containing any hazardous substance that is to be delivered to LAB will be packaged, labeled, transported, and delivered properly and in accordance with applicable laws.

Sample Handling. Prior to LAB's acceptance of any sample (or after any revocation of acceptance), the entire risk of loss or of damage to such sample remains with Client. Samples are accepted when receipt is acknowledged on chain of custody documentation. In no event will LAB have any responsibility for the action or inaction of any carrier shipping or delivering any sample to or from LAB premises.
Client authorizes LAB to proceed with the analysis of samples as received by the laboratory, recognizing that any samples not in compliance with all current DOH-ELAP-NELAP requirements for containers, preservation or holding time will be noted as such on th final report.
Disposal of hazardous waste samples is the responsibility of the Client. If the Client does not wish such samples returned, LAB may add storage and disposal fees to the final invoice. Maximum storage time for samples is 30 days after completion of analysis unless modified by applicable state or federal laws. Client will be required to give the LAB written instructions concerning disposal of these samples.
LAB reserves the absolute right, exercisable at any time, to refuse to receive delivery of, refuse to accept, or revoke acceptance of any sample, which, in the sole judgment of LAB (a) is of unsuitable volume, (b) may be or become unsuitable for or may pose a risk in handling, transport, or processing for any health, safety, environmental or other reason whether or not due to the presence in the sample of any hazardous substance, and whether or not such presence has been disclosed to LAB by Client or (c) if the condition or sample date make the sample unsuitable for analysis.

Legal Responsibility. LAB is solely responsible for performance of this contract, and no affiliated company, director, officer, employee, or agent shall have any legal responsibility hereunder, whether in contract or tort including negligence.

Assignment. LAB may assign its performance obligations under this contract to other parties, as it deems necessary. LAB shall disclose to Client any assignee (subcontractor) by ELAP ID # on the submitted final report.

Force Majeure. LAB shall have no responsibility or liability to the Client for any failure or delay in performance by LAB, which results in whole or in part from any cause or circumstance beyond the reasonable control of LAB. Such causes and circumstances shall include, but not limited to, acts of God, acts or orders of any government authority, strikes or other labor disputes, natural disasters, accidents, wars, civil disturbances, difficulties or delays in transportation, mail or delivery services, inability to obtain sufficient services or supplies from LAB's usual suppliers, or any other cause beyond LAB's reasonable control.

Law. This contract shall be continued under the laws of the State of New York without regard to its conflicts of laws provision.

179 Lake Avenue, Rochester, NY 14608 Office (585) 647-2530 Fax (585) 647-3311

CHAIN OF CUSTODY

1 of 3
GP 4/5/24

REPORT TO:		INVOICE TO:		LAB PROJECT ID
COMPANY:	Tech Park Owner LLC	COMPANY:	SAME	24 1499
ADDRESS:	789 Elmgrove Road, Bldg #1	ADDRESS:		
CITY:	Rochester STATE: NY ZIP: 14624	CITY:	STATE: ZIP:	Quotation #: SD 231208T
PHONE:	(585)295-1250 FAX: (585)295-1251	PHONE:	FAX:	Email:
ATTN:	Peter Chapman	ATTN:		pchapman@rochestertechpark.com Mike Storonsky, Kate.Audino@stantec.com

PROJECT REFERENCE

Quarterly Monitoring Bldg 4 Sump

Matrix Codes:
AQ - Aqueous Liquid; **NQ** - Non-Aqueous Liquid; **WA** - Water; **WG** - Groundwater; **DW** - Drinking Water; **WW** - Wastewater; **SO** - Soil; **SL** - Sludge; **SD** - Solid; **PT** - Paint; **WP** - Wipe; **CK** - Caulk; **OL** - Oil; **AR** - Air

REQUESTED ANALYSIS

DATE COLLECTED	TIME COLLECTED	COMPOSITE	GRAB	SAMPLE IDENTIFIER	MATRIX CODES	NUMBER OF CONTAINERS	Purgeable Halocarbons by 624	REMARKS	PARADIGM LAB SAMPLE NUMBER
4/5/24	0851		X	Building #4 Sump	WW	2	X	Stantec EDD	01
								Copy of Sump Log to Stantec	

Turnaround Time		Report Supplements			
Availability contingent upon lab approval; additional fees may apply.					
Standard 5 day	X	None Required		None Required	
10 day		Batch QC		Basic EDD	
Rush 3 day		Category A		NYSDEC EDD	
Rush 2 day		Category B			
Rush 1 day					
Other (please indicate date needed)		Other (please indicate package needed)		Other EDD (please indicate EDD needed)	

Sampled By Paradigm — Date/Time: 4/5/24

Relinquished By — Date/Time: 4/5/24 @ 1200

Total Cost:

Received By — Date/Time: 4/5/24 13:09

Received @ Lab By — Date/Time

P.I.F.

By signing this form, client agrees to Paradigm Terms and Conditions (reverse).

3°C iced 4/5/24 13:05

See additional page for sample conditions.

SUMP SAMPLING FORM
Rochester Technology Park, Building 4
Town of Gates, Monroe County, NY
Site # V00575-8

Sampler Name	Jack Fowler
Sampler Company	Paradigm Environmental Services, Inc.
General Condition of Sump & Cover	Good
Observations of Sump Water (i.e. color & odor)	Clear
Sump Flow Meter Reading	00166800
Sump Purge Date/Time	4/5/2024 @ 0845
Sample Date/Time	4/5/2024 @ 0851
Sampling Method	Manual Grab
Sample Container Type	40 ml. septum sealed vials (2) with HCL preservative
Sample Parameters	Volatile Halogens by EPA Method 624
Laboratory	Paradigm Environmental Services, Inc.
Comments	Nothing Unusual

PARADIGM

Chain of Custody Supplement

Client: Tech Park Owner **Completed by:** Glen Pezzulo

Lab Project ID: 241499 **Date:** 4/5/24

Sample Condition Requirements

Per NELAC/ELAP 210/241/242/243/244

Condition	NELAC compliance with the sample condition requirements upon receipt: Yes	No	N/A
Container Type	X		
Comments			
Transferred to method-compliant container			X
Headspace (<1 mL)	X		
Comments			
Preservation	X		
Comments			
Chlorine Absent (<0.10 ppm per test strip)	X		
Comments	VOA 624: Cl⁻ neg.		
Holding Time	X		
Comments			
Temperature	X		
Comments	3°C iced		
Compliant Sample Quantity/Type	X		
Comments			