PRELIMINARY PHASE II ENVIRONMENTAL SITE ASSESSMENT REPORT

32 YORK STREET
ROCHESTER, NEW YORK

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1.0 INTRODUCTION

Day Environmental, Inc. (DAY) prepared this report for the City of Rochester (City) in accordance with the provisions of a proposal dated March 14, 2019 and executed by the City on April 3, 2019. This report describes the results of a Preliminary Phase II Environmental Site Assessment (Preliminary Phase II ESA) completed at the property addressed as 32 York Street, Rochester, New York (Site). The approximate 0.1-acre Site is currently improved with an approximate 4,706 square foot building that is used as a church. A project locus map is included as Figure 1.

1.1 Background

A December 20, 2017 (revised January 3, 2018) Phase I Environmental Site Assessment (Phase I ESA) report completed by DAY identified the following as recognized environmental condition (REC):

1. Historic Uses and Regulatory Listings of the Site and Adjoining/Nearby Properties

   Provided below is a summary of information that was obtained as part of this assessment that suggests a REC in relation to the Site that is associated with historical uses and regulatory listings of the Site and adjoining/nearby properties:

   - The following six closed/inactive New York State Department of Environmental Conservation (NYSDEC) Spill/Leaking Storage Tank (LST) incidents occurred on properties that are located in the vicinity of the Site:
     - NYSDEC Spill #8906360 was reported as occurring on the Site (i.e., 32 York Street). Note, the spiller associated with this incident is identified as Universal Heating [see below regarding a summary of spills that occurred at 926-936 West Main Street, which is located approximately 75 feet (ft.) south of the Site]. In addition, it is possible that this spill occurred on the parcel addressed as 42 York Street (i.e., in the parking lot that adjoins the Site to the east.)
     - Four spills (i.e., #s 8503751, 8706240, 8907250, and 0550459) occurred at the Universal Heating facility at 926-936 West Main Street, which is located approximately 75 ft. south (i.e., assumed hydraulically crossgradient/upgradient direction) of the Site.
     - Spill #1301329 occurred at 904 West Main Street, which is located approximately 30' southeast (i.e., assumed hydraulically crossgradient direction) of the Site, and was reported on May 8, 2013. The Spill Report Form (SRF) states, "…there was a rectangular shaped UST found at the site….Sampling results are mostly below DEC Guidelines (a few minor exceedances)…MZ indicated that a soil management plan can be prepared to address residual impacts or the impacts can be excavated". Information previously obtained by DAY regarding this spill incident state that analytical results obtained indicated that petroleum semi-volatile organic compounds (SVOCs) and the metals mercury and lead exceeded their respective NYSDEC CP-51 guidelines for Unrestricted Use Soil Clean-Up Objectives (SCOs). In addition, benzo(a)pyrene, an SVOC, was detected above its NYSDEC Part 375-6.8(b) Restricted Use SCO for a commercial site.

- Historic uses of the adjoining property to the south (i.e., assumed hydraulically crossgradient/upgradient direction) of the Site include blacksmith shops, a wood working shop, a wagon shop, a painting and harness shop, auto repair facilities, a gasoline station (with at least eight underground gasoline tanks and six pump dispensers [per City of Rochester Fire Safety records regarding this adjoining site]), and an auto sales facility. The status of the underground storage tanks (USTs) depicted on this property on Sanborn maps was not known.
- Historic uses of properties that adjoin the Site to the west (i.e., assumed hydraulically crossgradient/upgradient direction) across York Street include auto repair facilities and a locksmith.
- Historic uses of the adjoining property to the north (i.e., assumed hydraulically downgradient direction) of the Site across a driveway include an upholsterer from at least 1949 to at least 1971; an auto repair facility (i.e., collision shop) from at least 1973 to at least 1992; and a car wash/auto detail facility from at least 2006 to at least 2011.
- A Federal Brownfield Site identified as "68-92 Genesee Street" at 68-92 Genesee Street is located approximately 0.2 miles south/southeast (i.e., assumed hydraulically crossgradient/upgradient direction) of the Site. This site is identified as a former dry cleaner, automobile sales and service facility, and a gasoline station. This property is also identified as active NYSDEC Spill/LST #1603662. Contamination at this nearby property reportedly includes tetrachloroethylene (i.e., a chlorinated volatile organic compound [CVOC]).
- Numerous properties that adjoin or are located in the vicinity of the Site were included as part of an Environmental Screen of 103 parcels of land that was performed by DAY in 2009. The 2009 report indicated the potential presence of contamination on these nearby properties due to known and suspect USTs and aboveground storage tanks (ASTs), and historical uses.

1.2 Applicable Project Standards, Criteria and Guidance

The applicable standards, criteria and guidance documents that were referenced as part of this study are summarized below:

- SCOs and other guidance as set forth in 6 New York Codes, Rules and Regulation (NYCRR) Part 375 Environmental Remediation Program dated December 14, 2006.
- Guidelines referenced in the NYSDEC document titled "DER-10 Technical Guidance for Site Investigation and Remediation" dated May 2010 (DER-10).
- Soil Cleanup Levels (SCLs) and other guidance as set forth in the NYSDEC document titled "CP-51/Soil Cleanup Guidance" dated October 21, 2010.
- Groundwater standards and guidance values as set forth in the NYSDEC document titled "Division of Water Technical and Operational Guidance Series (1.1.1) Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations" (TOGS 1.1.1) dated June 1998, with April 2000 and June 2004 addendums.

1.3 Purpose

The purpose of this Preliminary Phase II ESA was to complete limited intrusive studies to evaluate current conditions at the Site. The information obtained during the Preliminary Phase II ESA was used to evaluate the RECs identified above, and to develop an opinion of the current status of the RECs and whether there is a need for additional study and/or remediation.

1.4 Limitations

The findings and conclusions presented in this report are based upon an evaluation of a limited number of samples collected during this study and DAY's interpretation of this data. Conditions between sample locations may vary. As such, the findings and conclusions presented herein should be considered as a professional opinion. If additional data becomes available in the future, it may be necessary to re-evaluate the opinions expressed in this report.

2.0 FIELDWORK AND ANALYTICAL LABORATORY TESTING

As part of this Preliminary Phase II ESA, various tasks were performed at the Site. These tasks are discussed in this section.

2.1 Subsurface Evaluation

On April 30, 2019, Nature's Way Environmental Consultants and Contractors, Inc. (Nature's Way), a subcontractor retained by DAY, advanced four test borings (designated as TB-01-32 through TB-04-32) on the Site using a Simco Earthprobe 200 direct-push drill-rig. The test borings were advanced to equipment refusal, which was encountered at depths ranging between approximately 8.0 ft. below ground surface (bgs) and 12.0 ft. bgs. DAY personnel documented the test boring locations using a Trimble Geo7x global positioning system (GPS) unit with sub-centimeter accuracy. The locations of test borings TB-01-32 through TB-04-32 are shown on Figure 2.

Upon completion of drilling, the four test borings were converted into temporary groundwater monitoring wells (designated TMW-01-32 through TMW-04-32). Each temporary well consisted of five feet of one-inch inner diameter 10-slot Schedule 40 polyvinyl chloride (PVC) screen attached to one-inch inner diameter Schedule 40 solid PVC riser piping that extended approximately to the ground surface. The annulus between the one-inch PVC screen/riser and borehole wall was filled with sand.

A DAY representative and/or City representative observed the work completed, made visual observations, screened soil with a photoionization detector (PID), collected soil samples for possible analytical laboratory testing, documented the lithologic conditions, and prepared the test boring logs that are included in Appendix A.

On May 1, 2019, a DAY representative purged the newly installed groundwater monitoring wells in preparation for sampling. Following recharge of the wells, groundwater samples were collected from the temporary groundwater wells. The purging and groundwater sampling activities are documented on the groundwater sampling logs included in Appendix B. Subsequent to collection of the groundwater samples, the temporary groundwater monitoring wells were decommissioned on May 1, 2019.

2.2 Analytical Laboratory Testing

Select soil samples were submitted to ALS Environmental (ALS) for testing. ALS is a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP) certified analytical laboratory (NY Lab ID No. 10145). The soil samples were selected to assist in developing an opinion regarding the current status of environmental impact or subsurface conditions in relation to the identified RECs.

The following samples were submitted to ALS for testing of the parameters indicated:

- Target Compound List (TCL) and CP-51 list volatile organic compounds (VOCs) using United States Environmental Protection Agency (USEPA) Method 8260:
    - Soil Sample TB-01-32 (1-2); collected from test boring TB-01-32 at a depth of 1 to 2 ft.
    - Soil Sample TB-02-32 (2-3); collected from test boring TB-02-32 at a depth of 2 to 3 ft.

- Soil Sample TB-03-32 (7-8); collected from test boring TB-03-32 at a depth of 7 to 8 ft.
- Soil Sample TB-04-32 (1-4); collected from test boring TB-04-32 at a depth of 1 to 4 ft.
- Groundwater sample TMW-01-32; collected from temporary groundwater monitoring well TMW-01-32.
- Groundwater sample TMW-02-32; collected from temporary groundwater monitoring well TMW-02-32.
- Groundwater sample TMW-03-32; collected from temporary groundwater monitoring well TMW-03-32.
- Groundwater sample TMW-04-32; collected from temporary groundwater monitoring well TMW-04-32.

- TCL list SVOCs using USEPA Method 8270:
  - Soil Sample TB-01-32 (2-3); collected from test boring TB-01-32 at a depth of 2 to 3 ft.
  - Soil Sample TB-02-32 (4-5); collected from test boring TB-02-32 at a depth of 4 to 5 ft.
  - Soil Sample TB-03-32 (5-7); collected from test boring TB-03-32 at a depth of 5 to 7 ft.
  - Soil Sample TB-04-32 (4-5); collected from test boring TB-04-32 at a depth of 4 to 5 ft.
- Resource Conservation and Recovery Act (RCRA) Metals using USEPA Methods 6010 and 7471:
  - Soil Sample TB-01-32 (3-4); collected from test boring TB-01-32 at a depth of 3 to 4 ft.
  - Soil Sample TB-02-32 (3-4); collected from test boring TB-02-32 at a depth of 3 to 4 ft.
  - Soil Sample TB-03-32 (5-7); collected from test boring TB-03-32 at a depth of 5 to 7 ft.
  - Soil Sample TB-04-32 (4-5); collected from test boring TB-04-32 at a depth of 4 to 5 ft.

ALS provided analytical laboratory test results in NYSDEC Analytical Services Protocol (ASP) Category B deliverables and NYSDEC Equis deliverables. Copies of ALS's report containing the test results for the soil samples and executed chain-of-custody documentation are included in Appendix C.

2.3 Investigation-Derived Waste Disposal

Liquid and solid investigation-derived waste (IDW) generated as part of this Preliminary Phase II ESA was combined with IDW that was generated during a concurrent Preliminary Phase II ESA that was conducted on the adjoining 24 York Street parcel. The combined IDW was stored in two 55-gallon steel open-head drums on the 24 York Street parcel. One drum contained soil from the test borings, disposable personal protective equipment (e.g., nitrile gloves), and disposable sampling equipment (e.g., sample liners, sample tubing). The other drum contained monitoring well purge water and decontamination water. The IDW drums were characterized as part of the scope of work for the adjoining 24 York Street Preliminary Phase II ESA. Disposal documentation for the two drums of IDW is included in Appendix D. In addition, the one-inch diameter PVC well screens and riser piping associated with the temporary monitoring wells was disposed in a solid waste dumpster.

3.0 FINDINGS

This section presents a summary of the findings of the work completed as part of this Preliminary Phase II ESA.

3.1 Subsurface Conditions

Based on the soil samples collected, apparent soil fill material was observed to extend to depths ranging between 4 ft. and 5 ft. bgs. The fill material typically consisted of silty clay intermixed with angular-subangular gravel and/or broken fieldstone. Trace to layers of ash, cinders, and/or coal were observed in test borings TB-01-32 and TB-02-32. [Note: Recovery from the S-1 sample interval of TB-04-32 was 5% or less, due to a blockage in the sample cutting shoe.]

Indigenous soils beneath the apparent fill material generally consisted of silty clay. Refusal on inferred top of bedrock was encountered at depths ranging between approximately 8 ft. bgs (TB-02-32) and 12 ft. bgs (TB-01-32).

Peak PID readings measured on soil samples from the four test borings ranged between 0.0 parts per million (ppm) at TB-01-32 and TB-03-32, and 263.9 ppm at TB-03-32 at an approximate depth of 8.5 ft. bgs. Petroleum-type odors were observed on soil samples from test boring TB-03-32 at approximate depths ranging between 5.0 and 8.7 ft. bgs. An apparent sheen was observed on a soil sample from test boring TB-03-32 at approximately 5 ft. bgs.

Additional information encountered in each of the test borings advanced during this study is provided on the logs included in Appendix A.

The depth to groundwater in the temporary groundwater monitoring wells varied from approximately 6.17 ft. bgs (TMW-04-32) to 7.95 ft. bgs (TMW-02-32). [Note: The depth to groundwater measurements were collected less than 24 hours after installation of the temporary monitoring wells. It is possible that the water levels were not at static at the time of measurement.] A discernable layer of apparent petroleum-type light non-aqueous phase liquid (LNAPL) was observed at TMW-03-32 during well sampling. LNAPL was not observed at the other three temporary monitoring wells.

[Note: During the concurrent Preliminary Phase II ESA conducted at the adjoining 24 York Street parcel, field evidence of petroleum impact was encountered that appeared attributable to the former use of the 24 York Street parcel as a filling station with eight underground gasoline tanks and six pump dispensers (refer to Section 1.1). NYSDEC Spill File #1901036 was opened on April 30, 2019. DAY also notified the NYSDEC that petroleum-type impact was documented at the 32 York Street Site that appeared attributable to past operations at the adjoining 24 York Street parcel.]

3.2 Analytical Laboratory Results

3.2.1 Soil/Fill Samples

The analytical laboratory report for soil/fill sample VOCs, SVOCs, and metals results is included in Appendix C. Table 1 through Table 3 provide a summary of the constituents detected in the soil/fill samples and a comparison of detected constituent concentrations to Unrestricted Use SCOs,

Restricted Residential Use SCOs, and Commercial Use SCOs that are referenced from NYSDEC Part 375. "Unrestricted Use" means use without imposed restrictions such as environmental easements, deed restrictions or other land use controls. "Restricted Residential Use" is the land use category which should be used when there is common ownership or a single owner/managing entity of the Site. "Commercial Use" is the land use category which should be used when the primary purpose is buying, selling, or trading of merchandise or services. The results are summarized below. Table 1 and Table 2 also include a comparison of detected constituent concentrations to SCLs that are referenced in NYSDEC CP-51.

Volatile Organic Compounds

Various VOCs were detected in the four soil/fill samples. The concentrations of total VOCs detected in the four soil/fill samples ranged between 0.01724 milligrams per kilogram (mg/kg) or ppm in sample TB-04-32(1-4) and 27.547 mg/kg or ppm in sample TB-03-32(7-8). The concentrations of the VOCs detected were below their respective Unrestricted Use SCOs, Restricted Residential Use SCOs, Commercial Use SCOs, and CP-51 SCLs with the exception of the following:

Sample TB-01-32(1-2)

- Acetone was detected at an estimated concentration of 0.054 mg/kg or ppm, which is above the Unrestricted Use SCO of 0.05 ppm.

Sample TB-02-32(2-3)

- Acetone was detected at an estimated concentration of 0.076 mg/kg or ppm, which is above the Unrestricted Use SCO of 0.05 ppm.

Semi-Volatile Organic Compounds

Various SVOCs were detected in the four soil/fill samples. The concentrations of the SVOCs detected were below their respective Unrestricted Use SCOs, Restricted Residential Use SCOs, Commercial Use SCOs, and CP-51 SCLs. The concentrations of total SVOCs detected in the four soil/fill samples ranged from non-detect [samples TB-02-32(5-7) and TB-04-32(4-5)] to 7.108 mg/kg or ppm [sample TB-01-32(2-3)].

RCRA Metals

Various RCRA metals were detected in the soil/fill samples. The concentrations of the RCRA metals detected were below their respective Unrestricted Use SCOs, Restricted Residential Use SCOs and Commercial Use SCOs with the exception of the following:

Sample TB-01-32(3-4)

- Lead was detected at a concentration of 170 mg/kg or ppm, which exceeded the Unrestricted Use SCO of 63 ppm.
- Mercury was detected at a concentration of 0.517 mg/kg or ppm, which exceeded the Unrestricted Use SCO of 0.18 ppm.

Sample TB-02-32(3-4)

- Lead was detected at a concentration of 63.3 mg/kg or ppm, which exceeded the Unrestricted Use SCO of 63 ppm.

Sample TB-03-32(5-7)

- Lead was detected at a concentration of 92.2 mg/kg or ppm, which exceeded the Unrestricted Use SCO of 63 ppm.
- Mercury was detected at a concentration of 0.311 mg/kg or ppm, which exceeded the Unrestricted Use SCO of 0.18 ppm.

3.2.2 Groundwater Samples

The analytical laboratory report for groundwater sample VOCs results is included in Appendix C. Table 4 provides a summary of the constituents detected in the groundwater samples and a comparison of detected constituent concentrations to groundwater standards or guidance values referenced in NYSDEC TOGS 1.1.1.

Volatile Organic Compounds

Various VOCs were detected in the four groundwater samples. The concentrations of total VOCs detected in the groundwater samples ranged between 1.48 microgram per liter (ug/l) or parts per billion (ppb) in sample TMW-02-32 and 709.25 ug/l or ppb in samples TMW-03-32. The concentrations of the VOCs detected were below their respective TOGS 1.1.1 groundwater standards or guidance values with the exception of the following:

Sample TMW-03-32

- Acetone was detected at an estimated concentration of 220 ug/l or ppb, which is above the TOGS 1.1.1 standard of 50 ppb.
- 2-Butanone was detected at an estimated concentration of 78 ug/l or ppb, which is above the TOGS 1.1.1 standard of 50 ppb.
- n-Butylbenzene was detected at a concentration of 16 ug/l or ppb, which is above the TOGS 1.1.1 standard of 5 ppb.
- sec-Butylbenzene was detected at an estimated concentration of 9.2 ug/l or ppb, which is above the TOGS 1.1.1 standard of 5 ppb.
- Isopropylbenzene was detected at a concentration of 15 ug/l or ppb, which is above the TOGS 1.1.1 standard of 5 ppb.
- Naphthalene was detected at a concentration of 28 ug/l or ppb, which is above the TOGS 1.1.1 guidance value of 10 ppb.
- n-Propylbenzene was detected at a concentration of 39 ug/l or ppb, which is above the TOGS 1.1.1 standard of 5 ppb.

4.0 CONCLUSIONS AND RECOMMENDATIONS

As part of the Preliminary Phase II ESA, soil samples were collected from four test borings starting at or near the ground surface to depths ranging between 8.0 ft. and 12.0 ft. bgs where equipment refusal (i.e., inferred top of bedrock) was encountered.

- Based on visual and olfactory observations and PID screening of the samples, field evidence of potential petroleum-type impact was documented at test boring TB-03-32 located southwest of the building on the Site. Specifically, test boring TB-03-32 had a peak PID reading of 263.9 ppm on a soil sample at an approximate depth of 8 to 8.7 ft. bgs, petroleum-type odors from approximately 5.0 to 8.7 ft. bgs, and an apparent sheen observed on the soil sample at 5.0 ft. bgs. A discernible layer of LNAPL was observed on a water sample from monitoring well TMW-03-32.
- Trace to layers of ash, cinders, and/or coal were observed in fill material at test borings TB-01-32 and TB-02-32.

Analytical laboratory testing included four soil/fill samples for TCL and CP-51 VOCs, TCL SVOCs, and RCRA Metals.

- Some VOCs were detected in the four soil/fill samples at concentrations below their respective Unrestricted Use SCOs, Restricted Residential Use SCOs, Commercial Use SCOs, and CP-51 SCLs, with the exception of acetone detected in two soil samples at concentrations above the Unrestricted Use SCO.
- Some SVOCs were detected in two of the four soil/fill samples, but at concentrations below their respective Unrestricted Use SCOs, Restricted Residential Use SCOs, Commercial Use SCOs, and CP-51 SCLs.
- Lead was detected in three of the four soil/fill samples at concentrations that exceeded its Unrestricted Use SCO, but did not exceed its Restricted Residential Use SCO or Commercial Use SCO.
- Mercury was detected in two of the four soil/fill samples at concentrations that exceeded its Unrestricted Use SCO, but did not exceed its Restricted Residential Use SCO or Commercial Use SCO.

Analytical laboratory testing included four groundwater samples for TCL and CP-51 VOCs.

- Some VOCs were detected in each groundwater sample. The highest concentration of total VOCs detected in groundwater (i.e., 709.25 ppb) was in the sample collected from temporary monitoring well TMW-03-32 on the southern Site boundary in a location that is closest to former underground tank locations identified on the adjoining 24 York Street parcel. The next highest concentration of total VOCs detected in groundwater (i.e., 17.6 ppb) was in the sample collected from temporary monitoring well TMW-04-32 that is located on the northern Site boundary adjoining the 42 York Street parcel. The VOC concentrations detected in the groundwater samples from temporary monitoring wells TMW-01-32, TMW-02-32 and TMW-04-32 were below their respective TOGS 1.1.1 groundwater standards or guidance values. The concentrations of seven VOCs detected in the groundwater sample from temporary monitoring well TMW-03-32 exceeded their respective TOGS 1.1.1 groundwater standards and guidance values.

Conclusions

The former uses (e.g., gasoline station) of the adjoining property to the south of the Site (i.e., 24 York Street) appears to have impacted soil and groundwater conditions at the Site, primarily with petroleum-related constituents. The top of petroleum-impacted soil/fill that exhibited nuisance characteristics (e.g., odors) at test boring location TB-03-32 was encountered at a depth of 5.0 feet bgs. LNAPL was encountered on top of groundwater in temporary monitoring well TMW-03-32 installed in this boring at a depth of approximately 6.4 feet bgs. As a result, it is possible that petroleum-impacted soil/fill and LNAPL could be encountered during future subsurface work (e.g., utility work, redevelopment activities, etc.). It is unknown whether this condition is migrating via groundwater or soil vapor intrusion and impacting indoor air quality of the existing building on the Site.

Based on lead and mercury concentrations and the presence of certain fill material (e.g., layers of ash), some of the soil and fill material at the Site could be considered a regulated non-hazardous waste if disturbed or displaced. Such disturbed/displaced soil/fill would require disposal at an appropriate approved regulated disposal facility (e.g., landfill), with the exception that some types of the disturbed/displaced soil/fill could possibly be re-used on-site or off-site if a NYSDEC Part 360 Beneficial Use Determination (BUD) can be obtained.

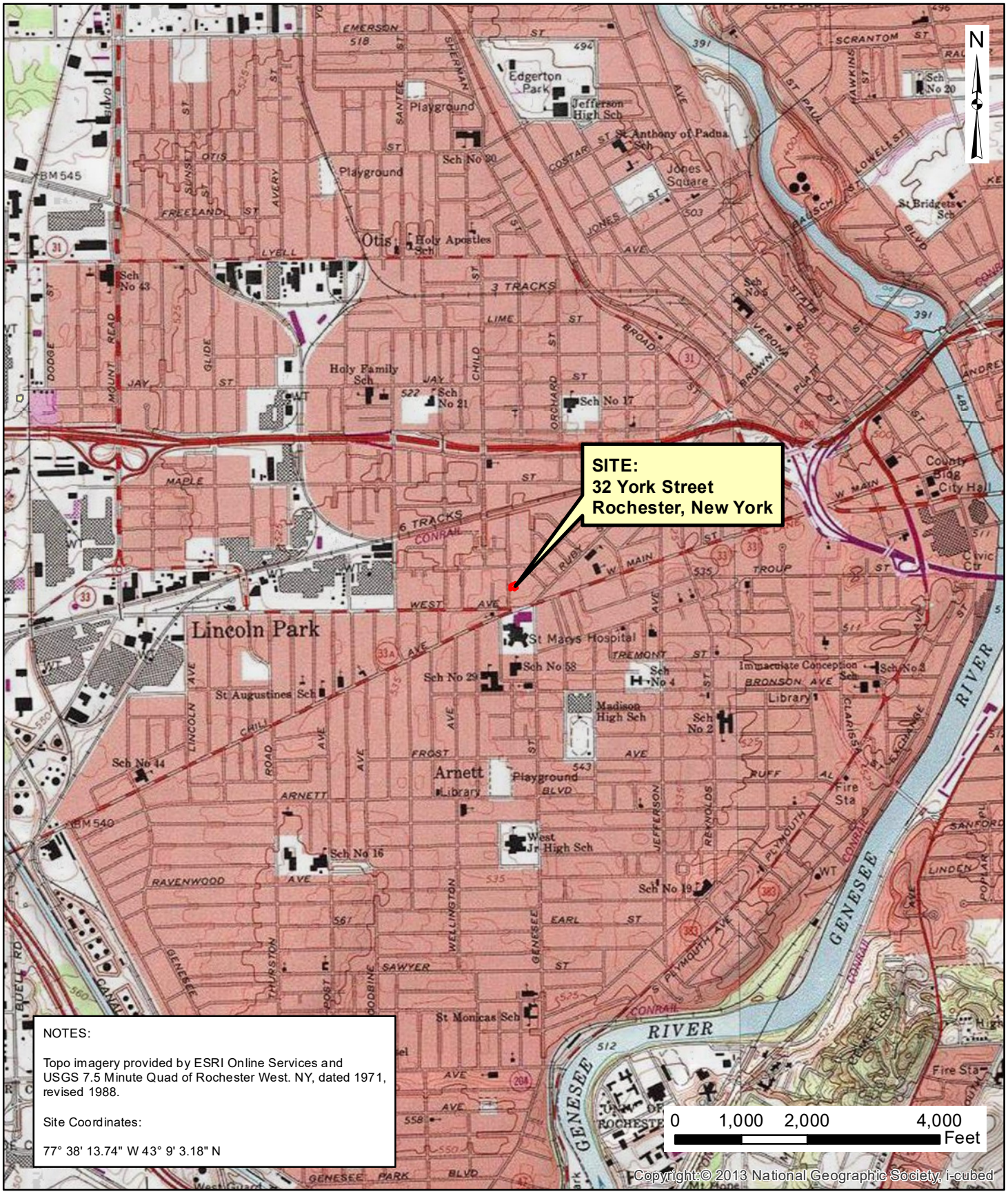
Recommendations

1. It is recommended that the findings of this report be provided to the NYSDEC. With input and approval from the NYSDEC, it is recommended that additional investigation and remediation be completed in relation to the on-site petroleum impacts associated with Spill File #1901036.

2. If the existing building will continue to be occupied (currently used as a church), it is recommended that the potential for soil vapor intrusion into the existing building be evaluated and also be mitigated if deemed necessary. In addition, it is recommended that the potential for soil vapor intrusion into any new structures be evaluated prior to construction, and that soil vapor intrusion be mitigated if deemed necessary.

3. It is also recommended that the fill material and other contaminants at the Site be addressed by preparing and implementing a site-specific Remedial Action Work Plan (RAWP) and/or Site Management Plan (SMP). The RAWP and/or SMP will provide guidance on health and safety monitoring, characterization, handling, and disposal/re-use of material that requires disturbance or displacement, including during redevelopment of the Site. In addition, if potentially contaminated material (e.g., material with staining, odors, free product, etc.) and/or containers/drums with contents are encountered during intrusive work (including redevelopment), further environmental assessment and/or environmental corrective actions may be warranted.

FIGURES



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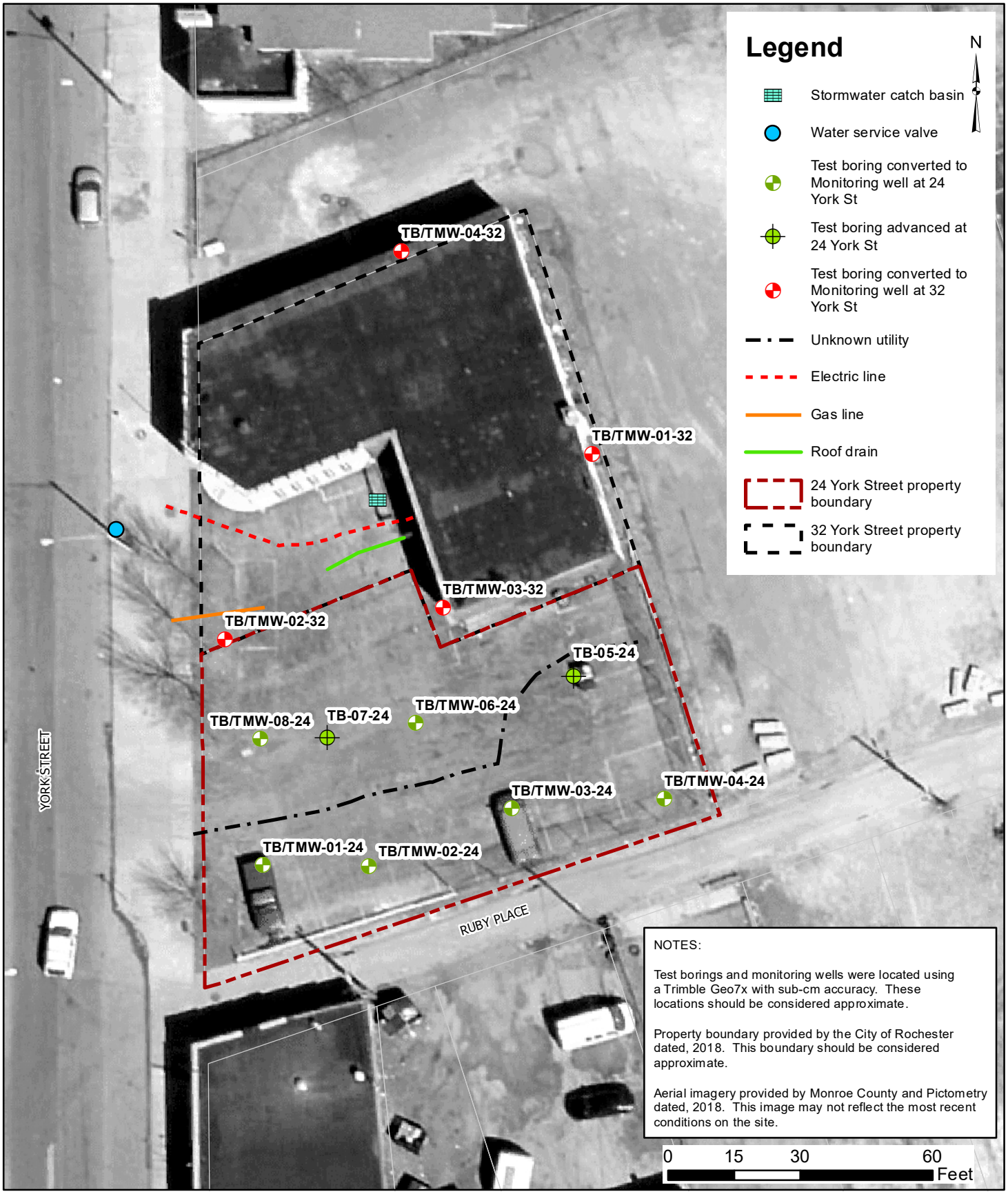
Date: 06-11-2019 Drawn By: CPS Scale: AS NOTED	**DAY ENVIRONMENTAL, INC.** Environmental Consultants Rochester, New York 14606 New York, New York 10170	Project Title: 32 YORK STREET ROCHESTER, NEW YORK PRELIMINARY PHASE II ENVIRONMENTAL SITE ASSESSMENT Drawing Title: Project Locus Map	Project No. 5598S-19 FIGURE 1



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Date: 06-11-2019 Drawn By: CPS Scale: AS NOTED	**DAY ENVIRONMENTAL, INC.** Environmental Consultants Rochester, New York 14606 New York, New York 10170	Project Title: 24 YORK STREET AND 32 YORK STREET ROCHESTER, NEW YORK PRELIMINARY PHASE II ENVIRONMENTAL SITE ASSESSMENT Drawing Title: Site Plan with Test Locations	Project No.: 5597S-19 & 5598S-19 FIGURE 2

TABLES

Table 1

32 York Street
Rochester, New York

Summary of Detected VOC Results in mg/Kg or Parts per Million (ppm)

Soil/Fill Samples

Detected Constituent	A Unrestricted SCO (1)	B Restricted Residential SCO(1)	C Commercial SCO(1)	D CP-51 SCL (2)	R1903959-001 TB-01-32(1-2) 4/30/2019 Fill		R1903959-004 TB-02-32(2-3) 4/30/2019 Fill		R1903959-007 TB-03-32(7-8) 4/30/2019 Soil		R1903959-009 TB-04-32(1-4) 4/30/2019 Fill	
Acetone	0.05	100	500	NA	**0.054**	**A**	**0.076**	**A**	U		0.016	
Benzene	0.06	4.8	44	0.06	U		0.0002	J	U		U	
2-Butanone (MEK)	0.12	100	500	NA	0.0023	J	0.0028	J	U		U	
n-Butylbenzene	12	100	500	12	U		U		0.950		U	
sec-Butylbenzene	11	100	500	11	U		U		0.370	J	U	
tert-Butylbenzene	5.9	100	500	5.9	U		U		0.051	J	U	
Chloroethane	NA	NA	NA	NA	U		U		0.032	J	U	
Cyclohexane	NA	NA	NA	NA	U		U		8.100		0.00028	J
2-Hexanone (MBK)	NA	NA	NA	NA	U		0.0016	J	U		U	
Isopropylbenzene	NA	NA	NA	2.3	U		U		0.240	J	U	
p-Isopropyltoluene	NA	NA	NA	10	U		U		0.130	J	U	
Methyl Acetate	NA	NA	NA	NA	0.0011	J	0.011		1.600	D	U	
Methyl tert-butyl Ether	NA	NA	NA	0.93	U		0.00025	J	U		U	
Methylcyclohexane	NA	NA	NA	NA	0.00036	J	0.00056	J	15.000	D	0.00047	J
Naphthalene	12	100	500	12	0.00099	BJ	0.00067	BJ	0.260	DJ	U	
n-Propylbenzene	3.9	100	500	3.9	U		U		0.740		U	
Toluene	0.7	100	500	0.7	0.0003	J	0.00024	J	U		0.00017	J
1,2,4-Trichlorobenzene	NA	NA	NA	NA	0.00047	BJ	U		U		U	
Trichloroethene	0.47	21	200	NA	U		U		0.035	J	U	
Trichlorofluoromethane (Freon 11)	NA	NA	NA	NA	U		U		U		0.00032	J
1,2,4-Trimethylbenzene	3.6	52	190	3.6	0.00023	J	U		0.039	J	U	
Total VOCs	NA	NA	NA	NA	0.05975		0.09332		27.547		0.01724	

U = Not detected
J = Estimated Value
D = Data reported from a dilution
B = Constituent also detected in method blank
VOC = Volatile Organic Compound
NA = Not available
(1) = Soil Cleanup Objective (SCO) referenced in 6 NYCRR Part 375 dated 12/14/2006 and CP-51 dated 10/21/2010
(2) = Soil Cleanup Level (SCL) referenced in CP-51 dated 10/21/2010
Concentration in **BOLD** and **RED** print exceeds one or more of the following criteria.
A = Concentration Exceeds Unrestricted Use SCO
B = Concentration Exceeds Restricted Residential Use SCO
C = Concentration Exceeds Commercial Use SCO
D = Concentration Exceeds SCL

Table 2

32 York Street
Rochester, New York

Summary of Detected SVOC Results in mg/Kg or Parts Per Million (ppm)

Soil/Fill Samples

Detected Constituent	A Unrestricted SCO (1)	B Restricted Residential SCO(1)	C Commercial SCO(1)	D CP-51 SCL (2)	R1903959-002 TB-01-32(2-3) 4/30/2019 Fill	R1903959-006 TB-02-32(4-5) 4/30/2019 Soil/Fill	R1903959-008 TB-03-32(5-7) 4/30/2019 Soil	R190395-010 TB-04-32(4-5) 4/30/2019 Soil
Acenaphthylene	100	100	500	100	0.096 J	U	U	U
Anthracene	100	100	500	100	0.190 J	U	U	U
Benzo(a)anthracene	1	1	5.6	1	0.630	U	U	U
Benzo(a)pyrene	1	1	1	1	0.580	U	U	U
Benzo(b)fluoranthene	1	1	5.6	1	0.730	U	0.083 J	U
Benzo(g,h,i)perylene	100	100	500	100	0.420 J	U	U	U
Benzo(k)fluoranthene	0.8	3.9	56	0.8	0.280 J	U	U	U
Chrysene	1	3.9	56	1	0.610	U	U	U
Dibenzo(a,h) anthracene	0.33	0.33	0.56	0.33	0.082 J	U	U	U
Fluoranthene	100	100	500	100	1.300	U	0.095 J	U
Indeno(1,2,3-cd)pyrene	0.5	0.5	5.6	0.5	0.390 J	U	U	U
Phenanthrene	100	100	500	100	0.700	U	U	U
Pyrene	100	100	500	100	1.100	U	0.091 J	U
Total SVOCs	NA	NA	NA	NA	7.108	0.000	0.269	0.000

U = Not detected above laboratory method detection limit
J = Estimated Value
SVOC = Semi-Volatile Organic Compound
NA = Not available
(1) = Soil Cleanup Objective (SCO) referenced in 6 NYCRR Part 375 dated 12/14/2006 and CP-51 dated 10/21/2010
(2) = Soil Cleanup Level (SCL) referenced in CP-51 dated 10/21/2010
Concentration in **BOLD** and **RED** print exceeds one or more of the following criteria.
A = Concentration Exceeds Unrestricted Use SCO
B = Concentration Exceeds Restricted Residential Use SCO
C = Concentration Exceeds Commercial Use SCO
D = Concentration Exceeds SCL

Table 3

32 York Street
Rochester, New York

Summary of Metals Results in mg/Kg or Parts Per Million (ppm)

Soil/Fill Samples

Detected Analyte	A Unrestricted SCO (1)	B Restricted Residential SCO(1)	C Commercial SCO(1)	R1903959-003 TB-01-32(3-4) 4/30/2019 Fill		R1903959-005 TB-02-32(3-4) 4/30/2019 Fill		R1903959-008 TB-03-32(5-7) 4/30/2019 Soil		R1903959-010 TB-04-32(4-5) 4/30/2019 Soil	
Arsenic	13	16	16	6.9		3.2		7.1		2.5	
Barium	350	400	400	121		50.7		53.1		25.6	
Cadmium	2.5	4.3	9.3	0.81		0.23 J		0.32 J		0.17 J	
Chromium	30	180	1500	13.6		8		9.5		6.1	
Lead	63	400	1000	**170**	**A**	**63.3**	**A**	**92.2**	**A**	5.1 J	
Mercury	0.18	0.81	2.8	**0.517**	**A**	0.083		**0.311**	**A**	0.012 J	
Selenium	3.9	180	1500	U		U		U		U	
Silver	2	180	1500	0.2 J		U		U		U	

U = Not detected
J = Estimated Value
(1) = Soil Cleanup Objective (SCO) referenced in 6 NYCRR Part 375 dated 12/14/2006
Concentration in **BOLD** and **RED** print exceeds one or more of the following criteria.
A = Concentration Exceeds Unrestricted Use SCO
B = Concentration Exceeds Restricted Residential Use SCO
C = Concentration Exceeds Commercial Use SCO

Table 4

32 York Street
Rochester, New York

Summary of Detected VOC Results in ug/l or Parts per Billion (ppb)

Groundwater Samples

Detected Constituent	Groundwater Standard or Guidance Value [1]	R1903959-011 TMW-01-32 5/1/2019 Groundwater		R1903959-012 TMW-02-32 5/1/2019 Groundwater		R1903959-013 TMW-03-32 5/1/2019 Groundwater			R1903959-014 TMW-04-32 5/1/2019 Groundwater	
Acetone	50	2.5	J	U		220		X	8.7	J
Bromodichloromethane	50	U		U		U			2.2	J
2-Butanone (MEK)	50	U		U		78		X	U	
n-Butylbenzene	5	U		U		16		X	U	
sec-Butylbenzene	5	U		U		9.2	J	X	U	
tert-Butylbenzene	5	U		U		2.0	J		U	
Chloroethane	5	U		U		1.9	J		U	
Chloroform	7	U		U		U			5.7	
Chloromethane	5	U		U		1.2	J		U	
Dibromochloromethane	50	U		U		U			0.78	J
Ethylbenzene	5	U		U		2.1	J		U	
2-Hexanone (MBK)	50	U		U		12	J		U	
Isopropylbenzene	5	U		U		15		X	U	
p-Isopropyltoluene	5	U		U		3.6	J		U	
4-Methyl-2-pentanone (MIBK)	NA	U		U		7.0	J		U	
Naphthalene	10	U		U		28		X	U	
n-Propylbenzene	5	U		U		39		X	U	
Tetrachloroethene	5	0.33	J	U		U			U	
Toluene	5	U		0.36	J	0.55	J		0.22	J
1,2,4-Trimethylbenzene	5	U		0.25	J	0.85	J		U	
m,p-Xylene	5	U		0.42	J	0.85	J		U	
Cyclohexane	NA	U		U		62			U	
Methylcyclohexane	NA	0.37	J	0.45	J	210			U	
Total VOCs	NA	3.2		1.48		709.25			17.60	

U = Not detected

J = Estimated Value

[1] Groundwater standard or guidance value are as referenced in NYSDEC TOGS 1.1.1 dated June 1998 with April 2000 and June 2004 addendums.

X = Concentration exceeds groundwater standard or guidance value

VOC = Volatile Organic Compound

NA = Not available

APPENDIX A

Test Boring Logs, and
Temporary Monitoring Well Construction Diagrams

day
ENVIRONMENTAL CONSULTANTS
DAY ENVIRONMENTAL, INC.
AN AFFILIATE OF DAY ENGINEERING, P.C.

Project #: 5598S-19
Project Address: 32 York Street
Rochester, NY
DAY/Client Representative: HMM/AZM
Drilling Contractor: Nature's Way
Sampling Method: Direct Push

Test Boring TB-01-32

Ground Elevation: NA
Datum: NA
Date Started: 4/30/2019
Date Ended: 4/30/2019
Borehole Depth: 12.0'
Borehole Diameter: 2.25"
Completion Method: ■ Well Installed ☐ Backfilled with Grout ☐ Backfilled with Cuttings
Water Level: 7.62 ft. bTOC (5/1/2019)

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1							0.0	Brown Topsoil, moist	
							0.0	Black Silt, little Ash, Glass and Gravel (FILL), moist	
2	N/A	S-1	0-4	55	N/A	0.5		Brown Silt, some Ash (FILL), moist	
							0.0	Gray Ash (FILL), moist	
3								Black Silt, some Cinders and Ash (FILL), moist	
							0.0		
4							0.0	Black Silt, trace Wood, some Cobbles (FILL)	
5								Medium Brown Sandy SILT with little Clay, moist	
	N/A	S-2	4-8	35	N/A	0.0	0.0		
6									
7									
8									
9							0.0	...Dark Brown, wet	
	N/A	S-3	8-12	25	N/A	0.0		…some fractured rock	
10							0.0		
11							0.0	Black, Sandy SILT, little Clay, wet	Septic-type odor
12								Refusal @ 12.0'	
13									
14									
15									
16									

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to an isobutylene standard. A MiniRae 3000 equipped with a 10.6 eV lamp was used to obtain the PID readings.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-01-32

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AN AFFILIATE OF DAY ENGINEERING, P.C.

Project #: 5598S-19
Project Address: 32 York Street
Rochester, NY
DAY/Client Representative: HMM/AZM
Drilling Contractor: Nature's Way
Sampling Method: Direct Push

Test Boring TB-02-32

Ground Elevation: NA
Datum: NA
Date Started: 4/30/2019
Date Ended: 4/30/2019
Borehole Depth: 8.0'
Borehole Diameter: 2.25"
Completion Method: ■ Well Installed ☐ Backfilled with Grout ☐ Backfilled with Cuttings
Water Level: 8.45 ft. bTOC (5/1/2019)

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1							0.0	Reddish-Brown, Wood Chips (FILL)	
						0.0	0.0	Medium Brown/Gray, Silty Clay (FILL), moist	
2	N/A	S-1	0-4	73	N/A				
							0.0	…Green, fractured rock/brick and organics	
3						0.0			
4							0.0	Angular-subangular Gravel & Ash (FILL)	
5						0.0	0.0	Medium Brown/Gray, Silty CLAY, moist	
6	N/A	S-2	4-8	52	N/A				
						0.0	0.0	..Red Fieldstone	
7						0.0	0.0		
8								...fractured Sandstone	
								Refusal @ 8.0'	
9									
10									
11									
12									
13									
14									
15									
16									

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to an isobutylene standard. A MiniRae 3000 equipped with a 10.6 eV lamp was used to obtain the PID readings.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-02-32

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Project #: 5598S-19
Project Address: 32 York Street
Rochester, NY
DAY/Client Representative: HMM/AZM
Drilling Contractor: Nature's Way
Sampling Method: Direct Push

Test Boring TB-03-32

Ground Elevation: NA
Datum: NA
Date Started: 4/30/2019
Date Ended: 4/30/2019
Borehole Depth: 8.7'
Borehole Diameter: 2.25"
Completion Method: ■ Well Installed ☐ Backfilled with Grout ☐ Backfilled with Cuttings
Water Level: 7.68 ft. bTOC (5/1/2019)

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1							0.0	White/Gray, Fieldstone (ss), broken Concrete (FILL)	
2	N/A	S-1	0-4	31	N/A	0.4	0.0	Medium Brown/Tan, Silty Clay with trace Angular Gravel (FILL), moist	
3							0.0		
4									
5							0.0		
6	N/A	S-2	4-8	40	N/A	10.1	0.2	Gray/Dark Gray, Sandy SILT with Angular Gravel and fractured Rock, wet	**Petroleum-type odor, oil sheen**
7							2.4		
8	N/A	S-3	8-8.7	N/A	N/A	131.6	263.9	…wet	**Strong petroleum-type odor**
9								Refusal @ 8.7'	
10									
11									
12									
13									
14									
15									
16									

Notes:
1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to an isobutylene standard. A MiniRae 3000 equipped with a 10.6 eV lamp was used to obtain the PID readings.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-03-32

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Project #: 5598S-19
Project Address: 32 York Street
Rochester, NY
DAY/Client Representative: HMM/AZM
Drilling Contractor: Nature's Way
Sampling Method: Direct Push

Test Boring TB-04-32

Ground Elevation: NA
Datum: NA
Date Started: 4/30/2019
Date Ended: 4/30/2019
Borehole Depth: 9.0'
Borehole Diameter: 2.25"
Completion Method: ■ Well Installed ☐ Backfilled with Grout ☐ Backfilled with Cuttings
Water Level: 7.17 ft. bTOC (5/1/2019)

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1							0.0	Black Asphalt, Sub-base, (FILL), damp	blockage in sleeve prevented further recovery in S-1
2	N/A	S-1	0-4	5	N/A	0.0	0.0	…Sandstone	
3									
4									
5							0.0	Light Brown/Tan, Silty SAND, moist	
6	N/A	S-2	4-8	55	N/A	0.0	0.0	…some fractured Rock, moist	
7							0.0	...Green in color and more fractured Rock	
8							0.0	...Medium Brown/Gray, wet	
9	N/A	S-3	8-9	95	N/A	0.0	0.0	...Light Brown, some angular Gravel	
10								Refusal @ 9.0'	
11									
12									
13									
14									
15									
16									

Notes:
1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to an isobutylene standard. A MiniRae 3000 equipped with a 10.6 eV lamp was used to obtain the PID readings.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-04-32

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TEMPORARY MONITORING WELL CONSTRUCTION DIAGRAM

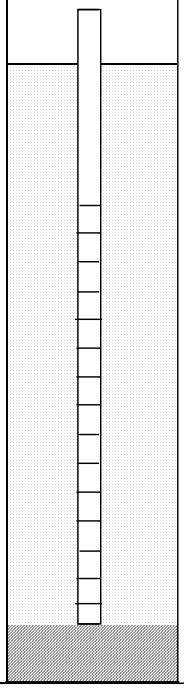
Project #: 5598S-19
Project Address: 32 York Street
Rochester, New York
DAY/Client Representati\ HMM/AZM
Drilling Contractor: Nature's Way

MONITORING WELL TMW-01-32

Date Started: 4/30/2019 Date Ended: 4/30/2019

Water Level (Date): 7.62 ft. bTOC (5/1/2019)

Refer to Test Boring Log TB-01-32 for Soil Description



1.5 Height of Stickup (ft)

← Ground Surface

7.0 Depth to Top of Well Screen (ft)

2.25 Diameter of Borehole (in)

Backfill Type Sand

1.0 Inside Diameter of Well (in)

Type of Pipe Schedule 40 PVC
Screen slot size 10 Slot

12.0 Depth to Bottom of Well Screen (ft)

12.0 Depth to Bottom of Borehole/Top of Bedrock (ft)

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) NA = Not Available or Not Applicable

MONITORING WELL TMW-01-32

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TEMPORARY MONITORING WELL CONSTRUCTION DIAGRAM

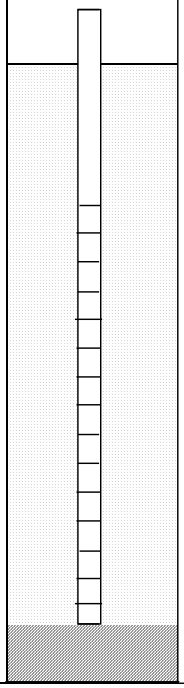
Project #: 5598S-19
Project Address: 32 York Street
Rochester, New York
DAY/Client Representati\ HMM/AZM
Drilling Contractor: Nature's Way

MONITORING WELL TMW-02-32

Date Started: 4/30/2019 Date Ended: 4/30/2019

Water Level (Date): 8.45 ft. bTOC (5/1/2019)

Refer to Test Boring Log TB-02-32 for Soil Description



0.5 Height of Stickup (ft)

← Ground Surface

3.0 Depth to Top of Well Screen (ft)

2.25 Diameter of Borehole (in)

Backfill Type Sand

1.0 Inside Diameter of Well (in)

Type of Pipe Schedule 40 PVC
Screen slot size 10 Slot

8.0 Depth to Bottom of Well Screen (ft)

8.0 Depth to Bottom of Borehole/Top of Bedrock (ft)

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) NA = Not Available or Not Applicable

MONITORING WELL TMW-02-32

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TEMPORARY MONITORING WELL CONSTRUCTION DIAGRAM

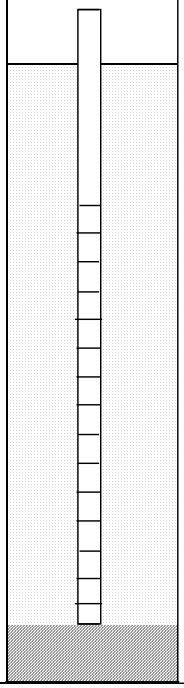
Project #: 5598S-19
Project Address: 32 York Street
Rochester, New York
DAY/Client Representati\ HMM/AZM
Drilling Contractor: Nature's Way

MONITORING WELL TMW-03-32

Date Started: 4/30/2019 Date Ended: 4/30/2019

Water Level (Date): 7.68 ft. bTOC (5/1/2019)

Refer to Test Boring Log TB-03-32 for Soil Description



1.3 Height of Stickup (ft)

← Ground Surface

3.7 Depth to Top of Well Screen (ft)

2.25 Diameter of Borehole (in)

Backfill Type Sand

1.0 Inside Diameter of Well (in)

Type of Pipe Schedule 40 PVC
Screen slot size 10 Slot

8.7 Depth to Bottom of Well Screen (ft)

8.7 Depth to Bottom of Borehole/Top of Bedrock (ft)

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) NA = Not Available or Not Applicable

MONITORING WELL TMW-03-32

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TEMPORARY MONITORING WELL CONSTRUCTION DIAGRAM

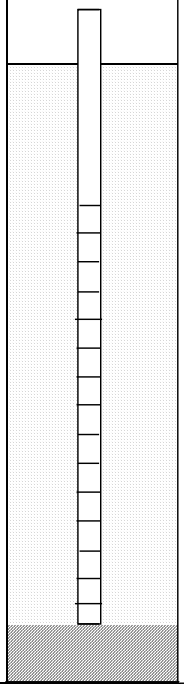
Project #: 5598S-19
Project Address: 32 York Street
Rochester, New York
DAY/Client Representati\ HMM/AZM
Drilling Contractor: Nature's Way

MONITORING WELL TMW-04-32

Date Started: 4/30/2019 Date Ended: 4/30/2019

Water Level (Date): 7.17 ft. bTOC (5/1/2019)

Refer to Test Boring Log TB-04-32 for Soil Description



1.0 Height of Stickup (ft)

← Ground Surface

4.0 Depth to Top of Well Screen (ft)

2.25 Diameter of Borehole (in)

Backfill Type Sand

1.0 Inside Diameter of Well (in)

Type of Pipe Schedule 40 PVC
Screen slot size 10 Slot

9.0 Depth to Bottom of Well Screen (ft)

9.0 Depth to Bottom of Borehole/Top of Bedrock (ft)

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) NA = Not Available or Not Applicable

MONITORING WELL TMW-04-32

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APPENDIX B

Monitoring Well Sampling Logs

DAY ENVIRONMENTAL, INC.
MONITORING WELL SAMPLING LOG

WELL TMW-01-32

SECTION 1 - SITE INFORMATION

SITE LOCATION: 32 York Street **JOB #:** 5598S-19

Rochester, New York **DATE :** 5/1/19

SAMPLE COLLECTOR(S): C. Demian

WEATHER CONDITIONS: 60° F

SECTION 2 - PURGE INFORMATION

DEPTH OF WELL [FT]: 12.59 (MEASURED FROM TOP OF CASING - T.O.C.)

STATIC WATER LEVEL (SWL) [FT]: 7.62 (MEASURED FROM T.O.C.)

THICKNESS OF WATER COLUMN [FT]: 4.97 (DEPTH OF WELL - SWL)

CALCULATED VOL. OF H_2O PER WELL CASING [GAL]: 0.20 **CASING DIA.:** 1"

CALCULATIONS:

CASING DIA. (FT)	WELL CONSTANT(GAL/FT)
¾" (0.0625)	0.023
1" (0.0833)	0.041
1¼" (0.1041)	0.063
2" (0.1667)	0.1632
3" (0.250)	0.380
4" (0.3333)	0.6528
4½" (0.375)	0.826
6" (0.5000)	1.4688
8" (0.666)	2.611

CALCULATIONS
VOL. OF H_2O IN CASING = DEPTH OF WATER COLUMN X WELL CONSTANT

CALCULATED PURGE VOLUME [GAL]: 0.6 (3 TIMES CASING VOLUME)

ACTUAL VOLUME PURGED [GAL]: 5.0

PURGE METHOD: Gas Pump **PURGE START:** 14:15 **END:** 14:20

SECTION 3 - SAMPLE IDENTIFICATION AND TEST PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
TMW-01-32	5-1-19 / 14:45	Bailer	TCL + CP51 VOCs via 8260

SECTION 4 - WATER QUALITY DATA

SWL (FT)	TEMP (°C)	pH	CONDUCTIVITY (mS/cm)	TURBIDITY (NTU)	DO (mg/L)	ORP (mV)	VISUAL
2.65	59.8	7.32	N/M	N/M	N/M	N/M	Turbid

N/M = Not Measured
ND = Not Detected

DAY ENVIRONMENTAL, INC.
MONITORING WELL SAMPLING LOG

WELL TMW-02-32

SECTION 1 - SITE INFORMATION

SITE LOCATION: 32 York Street **JOB #:** 5598S-19

Rochester, New York **DATE :** 5/1/19

SAMPLE COLLECTOR(S): C. Demian

WEATHER CONDITIONS: 60° F

SECTION 2 - PURGE INFORMATION

DEPTH OF WELL [FT]: 8.97 (MEASURED FROM TOP OF CASING - T.O.C.)

STATIC WATER LEVEL (SWL) [FT]: 8.45 (MEASURED FROM T.O.C.)

THICKNESS OF WATER COLUMN [FT]: 0.52 (DEPTH OF WELL - SWL)

CALCULATED VOL. OF H_2O PER WELL CASING [GAL]: 0.0213 **CASING DIA.:** 1"

CALCULATIONS:

CASING DIA. (FT)	WELL CONSTANT(GAL/FT)
¾" (0.0625)	0.023
1" (0.0833)	0.041
1¼" (0.1041)	0.063
2" (0.1667)	0.1632
3" (0.250)	0.380
4" (0.3333)	0.6528
4½" (0.375)	0.826
6" (0.5000)	1.4688
8" (0.666)	2.611

CALCULATIONS
VOL. OF H_2O IN CASING = DEPTH OF WATER COLUMN X WELL CONSTANT

CALCULATED PURGE VOLUME [GAL]: 0.06 (3 TIMES CASING VOLUME)

ACTUAL VOLUME PURGED [GAL]: 0.2

PURGE METHOD: Gas Pump **PURGE START:** N/M **END:** N/M

SECTION 3 - SAMPLE IDENTIFICATION AND TEST PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
TMW-02-32	5-1-19 / 12:00	Bailer	TCL + CP51 VOCs via 8260

SECTION 4 - WATER QUALITY DATA

SWL (FT)	TEMP (°C)	pH	CONDUCTIVITY (mS/cm)	TURBIDITY (NTU)	DO (mg/L)	ORP (mV)	VISUAL
8.45	59.5	7.23	N/M	N/M	N/M	N/M	Turbid

N/M = Not Measured
ND = Not Detected

DAY ENVIRONMENTAL, INC.
MONITORING WELL SAMPLING LOG

WELL TMW-03-32

SECTION 1 - SITE INFORMATION

SITE LOCATION: 32 York Street **JOB #:** 5598S-19

Rochester, New York **DATE :** 5/1/19

SAMPLE COLLECTOR(S): C. Demian

WEATHER CONDITIONS: 60° F **OBSERVATIONS:** Heavy Layer of Oil

SECTION 2 - PURGE INFORMATION

DEPTH OF WELL [FT]: 10.05 (MEASURED FROM TOP OF CASING - T.O.C.)

STATIC WATER LEVEL (SWL) [FT]: 7.68 (MEASURED FROM T.O.C.)

THICKNESS OF WATER COLUMN [FT]: 2.37 (DEPTH OF WELL - SWL)

CALCULATED VOL. OF H_2O PER WELL CASING [GAL]: 0.097 **CASING DIA.:** 1"

CALCULATIONS:

CASING DIA. (FT)	WELL CONSTANT(GAL/FT)
¾" (0.0625)	0.023
1" (0.0833)	0.041
1¼" (0.1041)	0.063
2" (0.1667)	0.1632
3" (0.250)	0.380
4" (0.3333)	0.6528
4½" (0.375)	0.826
6" (0.5000)	1.4688
8" (0.666)	2.611

CALCULATIONS
VOL. OF H_2O IN CASING = DEPTH OF WATER COLUMN X WELL CONSTANT

CALCULATED PURGE VOLUME [GAL]: 0.29 (3 TIMES CASING VOLUME)

ACTUAL VOLUME PURGED [GAL]: 4.0

PURGE METHOD: Gas Pump **PURGE START:** 11:40 **END:** 11:55

SECTION 3 - SAMPLE IDENTIFICATION AND TEST PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
TMW-03-32	5-1-19 / 13:30	Bailer	TCL + CP51 VOCs via 8260

SECTION 4 - WATER QUALITY DATA

SWL (FT)	TEMP (°C)	pH	CONDUCTIVITY (mS/cm)	TURBIDITY (NTU)	DO (mg/L)	ORP (mV)	VISUAL
N/M	N/M	N/M	N/M	N/M	N/M	N/M	N/M

N/M = Not Measured
ND = Not Detected

DAY ENVIRONMENTAL, INC.
MONITORING WELL SAMPLING LOG

WELL TMW-04-32

SECTION 1 - SITE INFORMATION

SITE LOCATION: 32 York Street **JOB #:** 5598S-19

Rochester, New York **DATE :** 5/1/19

SAMPLE COLLECTOR(S): C. Demian

WEATHER CONDITIONS: 60° F

SECTION 2 - PURGE INFORMATION

DEPTH OF WELL [FT]: 10.08 (MEASURED FROM TOP OF CASING - T.O.C.)

STATIC WATER LEVEL (SWL) [FT]: 7.17 (MEASURED FROM T.O.C.)

THICKNESS OF WATER COLUMN [FT]: 2.88 (DEPTH OF WELL - SWL)

CALCULATED VOL. OF H_2O PER WELL CASING [GAL]: 0.118 **CASING DIA.:** 1"

CALCULATIONS:

CASING DIA. (FT)	WELL CONSTANT(GAL/FT)
¾" (0.0625)	0.023
1" (0.0833)	0.041
1¼" (0.1041)	0.063
2" (0.1667)	0.1632
3" (0.250)	0.380
4" (0.3333)	0.6528
4½" (0.375)	0.826
6" (0.5000)	1.4688
8" (0.666)	2.611

CALCULATIONS
VOL. OF H_2O IN CASING = DEPTH OF WATER COLUMN X WELL CONSTANT

CALCULATED PURGE VOLUME [GAL]: 0.35 (3 TIMES CASING VOLUME)

ACTUAL VOLUME PURGED [GAL]: 1.0

PURGE METHOD: Gas Pump **PURGE START:** 13:55 **END:** 14:05

SECTION 3 - SAMPLE IDENTIFICATION AND TEST PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
TMW-04-32	5-1-19 / 14:25	Bailer	TCL + CP51 VOCs via 8260

SECTION 4 - WATER QUALITY DATA

SWL (FT)	TEMP (°C)	pH	CONDUCTIVITY (mS/cm)	TURBIDITY (NTU)	DO (mg/L)	ORP (mV)	VISUAL
7.20	58.3	7.56	N/M	N/M	N/M	N/M	Turbid

N/M = Not Measured
ND = Not Detected

APPENDIX C

Analytical Laboratory Report

May 22, 2019 Service Request No:R1903959

Mr. Jeff Danzinger
Day Environmental, Inc.
1563 Lyell Avenue
Rochester, NY 14606

Laboratory Results for: 32 York St

Dear Mr.Danzinger,

Enclosed are the results of the sample(s) submitted to our laboratory May 02, 2019
For your reference, these analyses have been assigned our service request number **R1903959.**

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 7471. You may also contact me via email at Brady.Kalkman@alsglobal.com.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental

Brady Kalkman
Project Manager

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TB-02-32 (4-5) - Semivoa GCMS 831

TB-03-32 (5-7) - Semivoa GCMS 833

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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

Client: Day Environmental, Inc.
Project: 32 York St
Sample Matrix: Soil, Water

Service Request: R1903959
Date Received: 05/02/2019

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:

Fourteen soil, water samples were received for analysis at ALS Environmental on 05/02/2019. 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.

Semivolatiles by GC/MS:

Method 8270D, 05/07/2019: 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 8270D, 05/07/2019: 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) in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.

Metals:

No significant anomalies were noted with this analysis.

General Chemistry:

No significant anomalies were noted with this analysis.

Volatiles by GC/MS:

Method 8260C, 05/04/2019: 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) 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, 05/10/2019: 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) 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, 05/10/2019: 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, 05/06/2019: 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) 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, 05/08/2019: 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 05/22/2019

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: Day Environmental, Inc. **Service Request:**R1903959

Project: 32 York St/5598S-19

SAMPLE CROSS-REFERENCE

SAMPLE #	CLIENT SAMPLE ID	DATE	TIME
R1903959-001	TB-01-32 (1-2)	4/30/2019	0835
R1903959-002	TB-01-32 (2-3)	4/30/2019	0828
R1903959-003	TB-01-32 (3-4)	4/30/2019	0833
R1903959-004	TB-02-32 (2-3)	4/30/2019	0936
R1903959-005	TB-02-32 (3-4)	4/30/2019	0934
R1903959-006	TB-02-32 (4-5)	4/30/2019	0935
R1903959-007	TB-03-32 (7-8)	4/30/2019	1006
R1903959-008	TB-03-32 (5-7)	4/30/2019	1009
R1903959-009	TB-04-32 (1-4)	4/30/2019	0908
R1903959-010	TB-04-32 (4-5)	4/30/2019	0911
R1903959-011	TMW-01-32	5/1/2019	1445
R1903959-012	TMW-02-32	5/1/2019	1250
R1903959-013	TMW-03-32	5/1/2019	1330
R1903959-014	TMW-04-32	5/1/2019	1425

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM 56665

1565 Jefferson Road, Building 300, Suite 360 • Rochester, NY 14623 | +1 585 288 5380 +1 585 288 8475 (fax)

Project Name: 32 York St	Project Number: 55985-19
Project Manager: Jeff Danzinger	Report CC: Heather McLennan
Company/Address: Day Environmental, Inc. 1563 Lyell Ave Rochester, NY	
Phone #: 585-454-0210	Email: ~~[illegible]~~ jdanzinger@daymail.net
Sampler's Signature: H McL	Sampler's Printed Name: Heather McLennan

ANALYSIS REQUESTED (Include Method Number and Container Preservative)

PRESERVATIVE: 4, 1

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	GC/MS VOAs 8260 • 624 • CLP TCL +CP5T	GC/MS SVOAs 8270 • 625 TCL	GC VOAs 8021 • 601/602	PESTICIDES 8081 • 608	PCBs 8082 • 608	METALS, TOTAL (List in comments below)	METALS, DISSOLVED (List in comments below)
TB-01-32 (1-2)		4.30.19	8:35	Soil	4	X						
TB-01-32 (2-3)			8:28		1		X					
TB-01-32 (3-4)			833		1						X	
TB-02-32 (2-3)			936		4	X						
TB-02-32 (3-4)			934		1						X	
TB-02-32 (4-5)			935		1		X					
TB-03-32 (7-8)			1006		4	X						
TB-03-32 (5-7)			1009		2		X				X	
TB-04-32 (1-4)			9:08		4	X						
TB-04-32 (4-5)			9:11		1		X				X	
TMW-01-32		5.1.19	14:45	GW	3	X						

Preservative Key
0. NONE
1. HCL
2. HNO_3
3. H_2SO_4
4. NaOH
5. Zn. Acetate
6. MeOH
7. $NaHSO_4$
8. Other _____

REMARKS/ ALTERNATE DESCRIPTION

SPECIAL INSTRUCTIONS/COMMENTS
Metals

RCRA Metals

Method 5035 samples Fed Ex on 4/30/2019 @ 1630

See QAPP ☐

STATE WHERE SAMPLES WERE COLLECTED

TURNAROUND REQUIREMENTS
____ RUSH (SURCHARGES APPLY)
____ 1 day ____ 2 day ____ 3 day
____ 4 day X 5 day
____ Standard (10 business days - NO Surcharge)
REQUESTED REPORT DATE 5-day

REPORT REQUIREMENTS
____ I. Results Only
X II. Results + QC Summaries (LCS, DUP, MS/MSD as required)
____ III. Results + QC and Calibration Summaries
X IV. Data Validation Report with Raw Data ASP Cat B
NYSDEC Equis Excel Edata X Yes ____ No

INVOICE INFORMATION
See 1/24/18 quote from Christina Custano
PO # 55985-19
BILL TO: Jeff Danzinger
jdanzinger@daymail.net

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature	Signature	Signature	Signature	Signature	
Printed Name Jeff Danzinger	Printed Name Daniel Wirt	Printed Name	Printed Name	Printed Name	
Firm DAY	Firm ALS	Firm	Firm	Firm	
Date/Time 5-2-19 1621	Date/Time 5/2/19 1621	Date/Time	Date/Time	Date/Time	

R1903959 5
Day Environmental, Inc.
32 York St

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

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CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM 56666

1565 Jefferson Road, Building 300, Suite 360 • Rochester, NY 14623 | +1 585 288 5380 +1 585 288 8475 (fax) PAGE 2 OF 2

Project Name: 32 York St	Project Number: 55985-19
Project Manager: Jeff Danzinger	Report CC: Heather McGennan
Company/Address: Day Environmental, Inc 1563 Lyell Ave Rochester, NY	
Phone #: 585-454-0210	Email: jdanzinger@daymail.net
Sampler's Signature: H McG	Sampler's Printed Name: Heather McGennan

ANALYSIS REQUESTED *(Include Method Number and Container Preservative)*

PRESERVATIVE: 1

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	TCL+CP-51 • 8260 • 624 • CLP	GCMS SVOAs • 8270 • 625	GC VOAs • 8021 • 601/602	PESTICIDES • 6081 • 608	PCBs • 8082 • 608	METALS, TOTAL (List in comments below)	METALS, DISSOLVED (List in comments below)
TMW-02-32		5-1-19	12:50	GW	3	X						
TMW-03-32		↓	13:30	↓	3	X						
TMW-04-32		↓	14:25	↓	3	X						

5/2/2019

Preservative Key
0. NONE
1. HCL
2. HNO_3
3. H_2SO_4
4. NaOH
5. Zn. Acetate
6. MeOH
7. $NaHSO_4$
8. Other _____

REMARKS/ ALTERNATE DESCRIPTION

SPECIAL INSTRUCTIONS/COMMENTS
Metals

See OAPP ☐

STATE WHERE SAMPLES WERE COLLECTED

TURNAROUND REQUIREMENTS
___ RUSH (SURCHARGES APPLY)
___ 1 day ___ 2 day ___ 3 day
___ 4 day X 5 day
___ Standard (10 business days - No Surcharge)
REQUESTED REPORT DATE 15 day

REPORT REQUIREMENTS
___ I. Results Only
X II. Results + QC Summaries (LCS, DUP, MS/MSD as required)
___ III. Results + QC and Calibration Summaries
X IV. Data Validation Report with Raw Data ASP Cat B
NYSDEC EQuIS Excel Edata X Yes ___ No

INVOICE INFORMATION
See 1/24/18 quote from Christina Custard
PO # 55985-19
BILL TO Jeff Danzinger
jdanzinger@daymail.net

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature	Signature	Signature	Signature	Signature	Signature
Printed Name Jeff Danzinger	Printed Name Daniel Ward	Printed Name	Printed Name	Printed Name	
Firm DAY	Firm ALS	Firm	Firm	Firm	
Date/Time 5-2-19 1621	Date/Time 5/2/19 1621	Date/Time	Date/Time	Date/Time	

R1903959 5
Day Environmental, Inc.
32 York St

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

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R1903959 5

Day Environmental, Inc.
32 York St

Cooler Receipt and Preservation Check Form

Project/Client Day Env. Folder Number .

Cooler received on 5/2/19 by: DW

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: 5/2/19 Time: 1645 ID: IR#7 IR#10 From: Temp Blank Sample Bottle

Observed Temp (°C)	4.0°	1.3°	2.2°				
Correction Factor (°C)	+0.3°	+0.3°	+0.3°				
Corrected Temp (°C)	4.3°	1.6°	2.5°				
Temp from:Type of bottle	Cent. tube	Cent tube	Cent tube				
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: R-007 by DW on 5/2/19 at 1645
5035 samples placed in storage location: R-709 by ↓ on ↓ at ↓

Cooler Breakdown/Preservation Check**: Date: 5/3/19 Time: by:

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. Air Samples: Cassettes / Tubes Intact with MS? 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	**	**	4117090					

Bottle lot numbers: 8-2060-002, 8-333-002, 07181-15R

Explain all Discrepancies/ Other Comments:

CLRES	BULK
DO	FLDT
HPROD	HGFB
HTR	LL3541
PH	SUB
SO3	MARRS
ALS	REV

Labels secondary reviewed by: D

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: Day Environmental, Inc. **Service Request:** R1903959
Project: 32 York St/5598S-19

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R1903959-001.01					
	ALS SOP				
		5/3/2019	1514	SMO / GLAFORCE	
		5/3/2019	1516	R-002 / GLAFORCE	
R1903959-001.02					
	8260C				
		5/3/2019	1514	SMO / GLAFORCE	
		5/3/2019	1516	F-09 / GLAFORCE	
		5/4/2019	1617	In Lab / FNAEGLER	
		5/4/2019	1621	F-09 / FNAEGLER	
R1903959-001.03					
		5/3/2019	1514	SMO / GLAFORCE	
		5/3/2019	1516	F-09 / GLAFORCE	
R1903959-001.04					
		5/3/2019	1514	SMO / GLAFORCE	
		5/3/2019	1516	F-09 / GLAFORCE	
R1903959-002.01					
	ALS SOP,8270D				
		5/3/2019	1514	SMO / GLAFORCE	
		5/3/2019	1516	R-002 / GLAFORCE	
		5/6/2019	0809	In Lab / VSTAUFFER	
		5/6/2019	1008	R-002 / VSTAUFFER	
R1903959-003.01					
	6010C,6010C,6010C,6010C,6010C,6010C,ALS SOP,7471B,6010C				
		5/3/2019	1514	SMO / GLAFORCE	
		5/3/2019	1516	R-002 / GLAFORCE	
		5/7/2019	1104	In Lab / KMCLAEN	
		5/7/2019	1809	R-A01 / KMCLAEN	
R1903959-004.01					
	ALS SOP				
		5/3/2019	1514	SMO / GLAFORCE	
		5/3/2019	1516	R-002 / GLAFORCE	
R1903959-004.02					
	8260C				
		5/3/2019	1514	SMO / GLAFORCE	
		5/3/2019	1516	F-09 / GLAFORCE	
		5/4/2019	1617	In Lab / FNAEGLER	
		5/4/2019	1621	F-09 / FNAEGLER	
R1903959-004.03					

Client: Day Environmental, Inc. **Service Request:** R1903959
Project: 32 York St/5598S-19

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
		5/3/2019	1514	SMO / GLAFORCE	
		5/3/2019	1516	F-09 / GLAFORCE	
R1903959-004.04					
		5/3/2019	1514	SMO / GLAFORCE	
		5/3/2019	1516	F-09 / GLAFORCE	
R1903959-005.01					
	6010C,6010C,6010C,6010C,6010C,6010C,ALS SOP,7471B,6010C				
		5/3/2019	1514	SMO / GLAFORCE	
		5/3/2019	1516	R-002 / GLAFORCE	
		5/7/2019	1104	In Lab / KMCLAEN	
		5/7/2019	1809	R-A01 / KMCLAEN	
R1903959-006.01					
	ALS SOP,8270D				
		5/3/2019	1514	SMO / GLAFORCE	
		5/3/2019	1516	R-002 / GLAFORCE	
		5/6/2019	0809	In Lab / VSTAUFFER	
		5/6/2019	1008	R-002 / VSTAUFFER	
R1903959-007.01					
	ALS SOP				
		5/3/2019	1514	SMO / GLAFORCE	
		5/3/2019	1516	R-002 / GLAFORCE	
R1903959-007.02					
		5/3/2019	1514	SMO / GLAFORCE	
		5/3/2019	1516	F-09 / GLAFORCE	
R1903959-007.03					
		5/3/2019	1514	SMO / GLAFORCE	
		5/3/2019	1516	F-09 / GLAFORCE	
R1903959-007.04					
	8260C,8260C				
		5/3/2019	1514	SMO / GLAFORCE	
		5/3/2019	1516	F-09 / GLAFORCE	
		5/8/2019	1606	In Lab / FNAEGLER	
		5/9/2019	0707	F-09 / FNAEGLER	
		5/10/2019	1209	In Lab / DLIPANI	
		5/10/2019	1741	F-09 / DLIPANI	
R1903959-008.01					

Client: Day Environmental, Inc. **Service Request:** R1903959
Project: 32 York St/5598S-19

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
	7471B,6010C,6010C,6010C,6010C,6010C,6010C,6010C				
		5/3/2019	1514	SMO / GLAFORCE	
		5/3/2019	1516	R-002 / GLAFORCE	
		5/7/2019	0727	In Lab / NMANSEN	
		5/7/2019	1104	In Lab / KMCLAEN	
		5/7/2019	1809	R-A01 / KMCLAEN	
R1903959-008.02					
	ALS SOP,8270D				
		5/3/2019	1515	SMO / GLAFORCE	
		5/3/2019	1516	R-002 / GLAFORCE	
		5/6/2019	0809	In Lab / VSTAUFFER	
		5/6/2019	1008	R-002 / VSTAUFFER	
R1903959-009.01					
	ALS SOP				
		5/3/2019	1514	SMO / GLAFORCE	
		5/3/2019	1516	R-002 / GLAFORCE	
R1903959-009.02					
	8260C				
		5/3/2019	1514	SMO / GLAFORCE	
		5/3/2019	1516	F-09 / GLAFORCE	
		5/4/2019	1617	In Lab / FNAEGLER	
		5/4/2019	1621	F-09 / FNAEGLER	
R1903959-009.03					
		5/3/2019	1515	SMO / GLAFORCE	
		5/3/2019	1516	F-09 / GLAFORCE	
R1903959-009.04					
		5/3/2019	1515	SMO / GLAFORCE	
		5/3/2019	1516	F-09 / GLAFORCE	
R1903959-010.01					
	ALS SOP,8270D				
		5/3/2019	1514	SMO / GLAFORCE	
		5/3/2019	1516	R-002 / GLAFORCE	
		5/6/2019	0809	In Lab / VSTAUFFER	
		5/6/2019	1008	R-002 / VSTAUFFER	
R1903959-010.02					
	7471B,6010C,6010C,6010C,6010C,6010C,6010C,6010C				
		5/3/2019	1515	SMO / GLAFORCE	
		5/3/2019	1516	R-002 / GLAFORCE	
		5/7/2019	0727	In Lab / NMANSEN	

Client: Day Environmental, Inc. **Service Request:** R1903959
Project: 32 York St/5598S-19

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
	7471B,6010C,6010C,6010C,6010C,6010C,6010C,6010C				
		5/7/2019	1104	In Lab / KMCLAEN	
		5/7/2019	1809	R-A01 / KMCLAEN	
R1903959-011.01					
	8260C				
		5/3/2019	1514	SMO / GLAFORCE	
		5/3/2019	1516	R-001 / GLAFORCE	
		5/6/2019	1245	In Lab / KRUEST	
		5/6/2019	1355	R-001-S12 / KRUEST	
R1903959-011.02					
		5/3/2019	1514	SMO / GLAFORCE	
		5/3/2019	1516	R-001 / GLAFORCE	
R1903959-011.03					
		5/3/2019	1514	SMO / GLAFORCE	
		5/3/2019	1516	R-001 / GLAFORCE	
R1903959-012.01					
	8260C				
		5/3/2019	1514	SMO / GLAFORCE	
		5/3/2019	1516	R-001 / GLAFORCE	
		5/6/2019	1245	In Lab / KRUEST	
		5/6/2019	1355	R-001-S12 / KRUEST	
R1903959-012.02					
		5/3/2019	1514	SMO / GLAFORCE	
		5/3/2019	1516	R-001 / GLAFORCE	
R1903959-012.03					
		5/3/2019	1514	SMO / GLAFORCE	
		5/3/2019	1516	R-001 / GLAFORCE	
R1903959-013.01					
		5/3/2019	1514	SMO / GLAFORCE	
		5/3/2019	1516	R-001 / GLAFORCE	
		5/6/2019	1245	In Lab / KRUEST	
		5/8/2019	1820	R-001-S10 / DLIPANI	
R1903959-013.02					
	8260C				
		5/3/2019	1514	SMO / GLAFORCE	
		5/3/2019	1516	R-001 / GLAFORCE	

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Internal Chain of Custody Report

Client: Day Environmental, Inc. **Service Request:** R1903959
Project: 32 York St/5598S-19

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
	8260C				
		5/7/2019	1310	In Lab / KRUEST	
		5/7/2019	1317	R-001-S12 / KRUEST	
		5/8/2019	1135	In Lab / DLIPANI	
		5/8/2019	1820	R-001-S10 / DLIPANI	
R1903959-013.03					
		5/3/2019	1514	SMO / GLAFORCE	
		5/3/2019	1516	R-001 / GLAFORCE	
R1903959-014.01					
	8260C				
		5/3/2019	1514	SMO / GLAFORCE	
		5/3/2019	1516	R-001 / GLAFORCE	
		5/6/2019	1245	In Lab / KRUEST	
		5/6/2019	1355	R-001-S12 / KRUEST	
R1903959-014.02					
		5/3/2019	1514	SMO / GLAFORCE	
		5/3/2019	1516	R-001 / GLAFORCE	
R1903959-014.03					
		5/3/2019	1514	SMO / GLAFORCE	
		5/3/2019	1516	R-001 / GLAFORCE	

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 ñNotesò 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 ñimmediateò 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 (Ó100% Difference between two GC columns).

X See Case Narrative for discussion.

MRL Method Reporting Limit. Also known as:
LOQ 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 Certifications[1]

Connecticut ID # PH0556	Maine ID #NY0032	Pennsylvania ID# 68-786
Delaware Approved	New Hampshire ID # 2941	Rhode Island ID # 158
DoD ELAP #65817	New York ID # 10145	Virginia #460167
Florida ID # E87674	North Carolina #676	

[1] Analyses were performed according to our laboratoryôs 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: Day Environmental, Inc. **Service Request:** R1903959
Project: 32 York St/5598S-19

Non-Certified Analytes

Certifying Agency: New York Department of Health

Method	Matrix	Analyte
ALS SOP	Soil	Total Solids

Client:	Day Environmental, Inc.	**Service Request:**	R1903959
Project:	32 York St/5598S-19		

Sample Name:	TB-01-32 (1-2)	**Date Collected:**	04/30/19
Lab Code:	R1903959-001	**Date Received:**	05/2/19
Sample Matrix:	Soil		

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER
ALS SOP		KAWONG

Sample Name:	TB-01-32 (2-3)	**Date Collected:**	04/30/19
Lab Code:	R1903959-002	**Date Received:**	05/2/19
Sample Matrix:	Soil		

Analysis Method	Extracted/Digested By	Analyzed By
8270D	BALLGEIER	JMISIUREWICZ
ALS SOP		KAWONG

Sample Name:	TB-01-32 (3-4)	**Date Collected:**	04/30/19
Lab Code:	R1903959-003	**Date Received:**	05/2/19
Sample Matrix:	Soil		

Analysis Method	Extracted/Digested By	Analyzed By
6010C	KMCLAEN	LHERRING
7471B	KMCLAEN	KMCLAEN
ALS SOP		KAWONG

Sample Name:	TB-02-32 (2-3)	**Date Collected:**	04/30/19
Lab Code:	R1903959-004	**Date Received:**	05/2/19
Sample Matrix:	Soil		

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER
ALS SOP		KAWONG

Client:	Day Environmental, Inc.	**Service Request:**	R1903959
Project:	32 York St/5598S-19		

Sample Name:	TB-02-32 (3-4)	**Date Collected:**	04/30/19
Lab Code:	R1903959-005	**Date Received:**	05/2/19
Sample Matrix:	Soil		

Analysis Method	Extracted/Digested By	Analyzed By
6010C	KMCLAEN	LHERRING
7471B	KMCLAEN	KMCLAEN
ALS SOP		KAWONG

Sample Name:	TB-02-32 (4-5)	**Date Collected:**	04/30/19
Lab Code:	R1903959-006	**Date Received:**	05/2/19
Sample Matrix:	Soil		

Analysis Method	Extracted/Digested By	Analyzed By
8270D	BALLGEIER	JMISIUREWICZ
ALS SOP		KAWONG

Sample Name:	TB-03-32 (7-8)	**Date Collected:**	04/30/19
Lab Code:	R1903959-007	**Date Received:**	05/2/19
Sample Matrix:	Soil		

Analysis Method	Extracted/Digested By	Analyzed By
8260C		DLIPANI
ALS SOP		KAWONG

Sample Name:	TB-03-32 (7-8)	**Date Collected:**	04/30/19
Lab Code:	R1903959-007.R01	**Date Received:**	05/2/19
Sample Matrix:	Soil		

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

Client: Day Environmental, Inc. **Service Request:** R1903959
Project: 32 York St/5598S-19

Sample Name: TB-03-32 (5-7) **Date Collected:** 04/30/19
Lab Code: R1903959-008 **Date Received:** 05/2/19
Sample Matrix: Soil

Analysis Method	Extracted/Digested By	Analyzed By
6010C	KMCLAEN	LHERRING
7471B	KMCLAEN	KMCLAEN
8270D	BALLGEIER	JMISIUREWICZ
ALS SOP		KAWONG

Sample Name: TB-04-32 (1-4) **Date Collected:** 04/30/19
Lab Code: R1903959-009 **Date Received:** 05/2/19
Sample Matrix: Soil

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER
ALS SOP		KAWONG

Sample Name: TB-04-32 (4-5) **Date Collected:** 04/30/19
Lab Code: R1903959-010 **Date Received:** 05/2/19
Sample Matrix: Soil

Analysis Method	Extracted/Digested By	Analyzed By
6010C	KMCLAEN	LHERRING
7471B	KMCLAEN	KMCLAEN
8270D	BALLGEIER	JMISIUREWICZ
ALS SOP		KAWONG

Sample Name: TMW-01-32 **Date Collected:** 05/1/19
Lab Code: R1903959-011 **Date Received:** 05/2/19
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Client: Day Environmental, Inc. **Service Request:** R1903959
Project: 32 York St/5598S-19

Sample Name: TMW-02-32 **Date Collected:** 05/1/19
Lab Code: R1903959-012 **Date Received:** 05/2/19
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Sample Name: TMW-03-32 **Date Collected:** 05/1/19
Lab Code: R1903959-013 **Date Received:** 05/2/19
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		DLIPANI

Sample Name: TMW-04-32 **Date Collected:** 05/1/19
Lab Code: R1903959-014 **Date Received:** 05/2/19
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
9014 Cyanide Reactivity	SW846 Ch7, 7.3.4.2
9034 Sulfide Reactivity	SW846 Ch7, 7.3.4.2
9034 Sulfide Acid Soluble	9030B
9056A Bomb (Halogens)	5050A
9066 Manual Distillation	9065
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
7196A	3060A
7199	3060A
9056A Halogens/Halides	5050
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

Analytical Report

Client:	Day Environmental, Inc.	**Service Request:**	R1903959
Project:	32 York St/5598S-19	**Date Collected:**	04/30/19 08:35
Sample Matrix:	Soil	**Date Received:**	05/02/19 16:21
Sample Name:	TB-01-32 (1-2)	**Units:**	ug/Kg
Lab Code:	R1903959-001	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	0.20 U	4.8	0.20	.79	05/04/19 19:02	
1,1,2,2-Tetrachloroethane	0.20 U	4.8	0.20	.79	05/04/19 19:02	
1,1,2-Trichloroethane	0.20 U	4.8	0.20	.79	05/04/19 19:02	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.20 U	4.8	0.20	.79	05/04/19 19:02	
1,1-Dichloroethane (1,1-DCA)	0.20 U	4.8	0.20	.79	05/04/19 19:02	
1,1-Dichloroethene (1,1-DCE)	0.28 U	4.8	0.28	.79	05/04/19 19:02	
1,2,3-Trichlorobenzene	0.50 U	4.8	0.50	.79	05/04/19 19:02	
1,2,4-Trichlorobenzene	**0.47 BJ**	4.8	0.41	.79	05/04/19 19:02	
1,2,4-Trimethylbenzene	**0.23 J**	4.8	0.20	.79	05/04/19 19:02	
1,2-Dibromo-3-chloropropane (DBCP)	0.28 U	4.8	0.28	.79	05/04/19 19:02	
1,2-Dibromoethane	0.20 U	4.8	0.20	.79	05/04/19 19:02	
1,2-Dichlorobenzene	0.20 U	4.8	0.20	.79	05/04/19 19:02	
1,2-Dichloroethane	0.20 U	4.8	0.20	.79	05/04/19 19:02	
1,2-Dichloropropane	0.20 U	4.8	0.20	.79	05/04/19 19:02	
1,3,5-Trimethylbenzene	0.20 U	4.8	0.20	.79	05/04/19 19:02	
1,3-Dichlorobenzene	0.20 U	4.8	0.20	.79	05/04/19 19:02	
1,4-Dichlorobenzene	0.22 U	4.8	0.22	.79	05/04/19 19:02	
1,4-Dioxane	20 U	96	20	.79	05/04/19 19:02	
2-Butanone (MEK)	**2.3 J**	4.8	2.0	.79	05/04/19 19:02	
2-Hexanone	0.35 U	4.8	0.35	.79	05/04/19 19:02	
4-Isopropyltoluene	0.20 U	4.8	0.20	.79	05/04/19 19:02	
4-Methyl-2-pentanone	0.23 U	4.8	0.23	.79	05/04/19 19:02	
Acetone	**54**	4.8	4.6	.79	05/04/19 19:02	
Benzene	0.20 U	4.8	0.20	.79	05/04/19 19:02	
Bromochloromethane	0.20 U	4.8	0.20	.79	05/04/19 19:02	
Bromodichloromethane	0.20 U	4.8	0.20	.79	05/04/19 19:02	
Bromoform	0.48 U	4.8	0.48	.79	05/04/19 19:02	
Bromomethane	2.1 U	4.8	2.1	.79	05/04/19 19:02	
Carbon Disulfide	0.28 U	4.8	0.28	.79	05/04/19 19:02	
Carbon Tetrachloride	0.25 U	4.8	0.25	.79	05/04/19 19:02	
Chlorobenzene	0.20 U	4.8	0.20	.79	05/04/19 19:02	
Chloroethane	0.20 U	4.8	0.20	.79	05/04/19 19:02	
Chloroform	0.20 U	4.8	0.20	.79	05/04/19 19:02	
Chloromethane	1.4 U	4.8	1.4	.79	05/04/19 19:02	
Cyclohexane	0.25 U	4.8	0.25	.79	05/04/19 19:02	
Dibromochloromethane	0.20 U	4.8	0.20	.79	05/04/19 19:02	
Dichlorodifluoromethane (CFC 12)	0.32 U	4.8	0.32	.79	05/04/19 19:02	
Dichloromethane	2.7 U	4.8	2.7	.79	05/04/19 19:02	
Ethylbenzene	0.20 U	4.8	0.20	.79	05/04/19 19:02	
Isopropylbenzene (Cumene)	0.20 U	4.8	0.20	.79	05/04/19 19:02	
Methyl Acetate	**1.1 J**	4.8	0.81	.79	05/04/19 19:02	
Methyl tert-Butyl Ether	0.20 U	4.8	0.20	.79	05/04/19 19:02	
Methylcyclohexane	**0.36 J**	4.8	0.30	.79	05/04/19 19:02	

Analytical Report

Client:	Day Environmental, Inc.	**Service Request:**	R1903959
Project:	32 York St/5598S-19	**Date Collected:**	04/30/19 08:35
Sample Matrix:	Soil	**Date Received:**	05/02/19 16:21
Sample Name:	TB-01-32 (1-2)	**Units:**	ug/Kg
Lab Code:	R1903959-001	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Naphthalene	**0.99 BJ**	4.8	0.53	.79	05/04/19 19:02	
Styrene	0.20 U	4.8	0.20	.79	05/04/19 19:02	
Tetrachloroethene (PCE)	0.23 U	4.8	0.23	.79	05/04/19 19:02	
Toluene	**0.30 J**	4.8	0.20	.79	05/04/19 19:02	
Trichloroethene (TCE)	0.22 U	4.8	0.22	.79	05/04/19 19:02	
Trichlorofluoromethane (CFC 11)	0.25 U	4.8	0.25	.79	05/04/19 19:02	
Vinyl Chloride	0.45 U	4.8	0.45	.79	05/04/19 19:02	
cis-1,2-Dichloroethene	0.20 U	4.8	0.20	.79	05/04/19 19:02	
cis-1,3-Dichloropropene	0.20 U	4.8	0.20	.79	05/04/19 19:02	
m,p-Xylenes	0.36 U	9.6	0.36	.79	05/04/19 19:02	
n-Butylbenzene	0.20 U	4.8	0.20	.79	05/04/19 19:02	
n-Propylbenzene	0.20 U	4.8	0.20	.79	05/04/19 19:02	
o-Xylene	0.20 U	4.8	0.20	.79	05/04/19 19:02	
sec-Butylbenzene	0.20 U	4.8	0.20	.79	05/04/19 19:02	
tert-Butylbenzene	0.20 U	4.8	0.20	.79	05/04/19 19:02	
trans-1,2-Dichloroethene	0.20 U	4.8	0.20	.79	05/04/19 19:02	
trans-1,3-Dichloropropene	0.20 U	4.8	0.20	.79	05/04/19 19:02	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	82	31 - 154	05/04/19 19:02	
Dibromofluoromethane	97	63 - 138	05/04/19 19:02	
Toluene-d8	95	66 - 138	05/04/19 19:02	

Client:	Day Environmental, Inc.	**Service Request:**	R1903959
Project:	32 York St/5598S-19	**Date Collected:**	04/30/19 09:36
Sample Matrix:	Soil	**Date Received:**	05/02/19 16:21
Sample Name:	TB-02-32 (2-3)	**Units:**	ug/Kg
Lab Code:	R1903959-004	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	0.18 U	4.5	0.18	.76	05/04/19 19:25	
1,1,2,2-Tetrachloroethane	0.18 U	4.5	0.18	.76	05/04/19 19:25	
1,1,2-Trichloroethane	0.18 U	4.5	0.18	.76	05/04/19 19:25	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.18 U	4.5	0.18	.76	05/04/19 19:25	
1,1-Dichloroethane (1,1-DCA)	0.18 U	4.5	0.18	.76	05/04/19 19:25	
1,1-Dichloroethene (1,1-DCE)	0.26 U	4.5	0.26	.76	05/04/19 19:25	
1,2,3-Trichlorobenzene	0.47 U	4.5	0.47	.76	05/04/19 19:25	
1,2,4-Trichlorobenzene	0.38 U	4.5	0.38	.76	05/04/19 19:25	
1,2,4-Trimethylbenzene	0.18 U	4.5	0.18	.76	05/04/19 19:25	
1,2-Dibromo-3-chloropropane (DBCP)	0.26 U	4.5	0.26	.76	05/04/19 19:25	
1,2-Dibromoethane	0.18 U	4.5	0.18	.76	05/04/19 19:25	
1,2-Dichlorobenzene	0.18 U	4.5	0.18	.76	05/04/19 19:25	
1,2-Dichloroethane	0.18 U	4.5	0.18	.76	05/04/19 19:25	
1,2-Dichloropropane	0.18 U	4.5	0.18	.76	05/04/19 19:25	
1,3,5-Trimethylbenzene	0.18 U	4.5	0.18	.76	05/04/19 19:25	
1,3-Dichlorobenzene	0.18 U	4.5	0.18	.76	05/04/19 19:25	
1,4-Dichlorobenzene	0.20 U	4.5	0.20	.76	05/04/19 19:25	
1,4-Dioxane	18 U	89	18	.76	05/04/19 19:25	
2-Butanone (MEK)	**2.8 J**	4.5	1.8	.76	05/04/19 19:25	
2-Hexanone	**1.6 J**	4.5	0.33	.76	05/04/19 19:25	
4-Isopropyltoluene	0.18 U	4.5	0.18	.76	05/04/19 19:25	
4-Methyl-2-pentanone	0.21 U	4.5	0.21	.76	05/04/19 19:25	
Acetone	**76**	4.5	4.2	.76	05/04/19 19:25	
Benzene	**0.20 J**	4.5	0.18	.76	05/04/19 19:25	
Bromochloromethane	0.18 U	4.5	0.18	.76	05/04/19 19:25	
Bromodichloromethane	0.18 U	4.5	0.18	.76	05/04/19 19:25	
Bromoform	0.45 U	4.5	0.45	.76	05/04/19 19:25	
Bromomethane	1.9 U	4.5	1.9	.76	05/04/19 19:25	
Carbon Disulfide	0.26 U	4.5	0.26	.76	05/04/19 19:25	
Carbon Tetrachloride	0.24 U	4.5	0.24	.76	05/04/19 19:25	
Chlorobenzene	0.18 U	4.5	0.18	.76	05/04/19 19:25	
Chloroethane	0.18 U	4.5	0.18	.76	05/04/19 19:25	
Chloroform	0.18 U	4.5	0.18	.76	05/04/19 19:25	
Chloromethane	1.3 U	4.5	1.3	.76	05/04/19 19:25	
Cyclohexane	0.24 U	4.5	0.24	.76	05/04/19 19:25	
Dibromochloromethane	0.18 U	4.5	0.18	.76	05/04/19 19:25	
Dichlorodifluoromethane (CFC 12)	0.30 U	4.5	0.30	.76	05/04/19 19:25	
Dichloromethane	2.5 U	4.5	2.5	.76	05/04/19 19:25	
Ethylbenzene	0.18 U	4.5	0.18	.76	05/04/19 19:25	
Isopropylbenzene (Cumene)	0.18 U	4.5	0.18	.76	05/04/19 19:25	
Methyl Acetate	**11**	4.5	0.75	.76	05/04/19 19:25	
Methyl tert-Butyl Ether	**0.25 J**	4.5	0.18	.76	05/04/19 19:25	
Methylcyclohexane	**0.56 J**	4.5	0.28	.76	05/04/19 19:25	

Analytical Report

Client:	Day Environmental, Inc.	**Service Request:**	R1903959
Project:	32 York St/5598S-19	**Date Collected:**	04/30/19 09:36
Sample Matrix:	Soil	**Date Received:**	05/02/19 16:21
Sample Name:	TB-02-32 (2-3)	**Units:**	ug/Kg
Lab Code:	R1903959-004	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Naphthalene	**0.67 BJ**	4.5	0.50	.76	05/04/19 19:25	
Styrene	0.18 U	4.5	0.18	.76	05/04/19 19:25	
Tetrachloroethene (PCE)	0.21 U	4.5	0.21	.76	05/04/19 19:25	
Toluene	**0.24 J**	4.5	0.18	.76	05/04/19 19:25	
Trichloroethene (TCE)	0.20 U	4.5	0.20	.76	05/04/19 19:25	
Trichlorofluoromethane (CFC 11)	0.24 U	4.5	0.24	.76	05/04/19 19:25	
Vinyl Chloride	0.41 U	4.5	0.41	.76	05/04/19 19:25	
cis-1,2-Dichloroethene	0.18 U	4.5	0.18	.76	05/04/19 19:25	
cis-1,3-Dichloropropene	0.18 U	4.5	0.18	.76	05/04/19 19:25	
m,p-Xylenes	0.33 U	8.9	0.33	.76	05/04/19 19:25	
n-Butylbenzene	0.18 U	4.5	0.18	.76	05/04/19 19:25	
n-Propylbenzene	0.18 U	4.5	0.18	.76	05/04/19 19:25	
o-Xylene	0.18 U	4.5	0.18	.76	05/04/19 19:25	
sec-Butylbenzene	0.18 U	4.5	0.18	.76	05/04/19 19:25	
tert-Butylbenzene	0.18 U	4.5	0.18	.76	05/04/19 19:25	
trans-1,2-Dichloroethene	0.18 U	4.5	0.18	.76	05/04/19 19:25	
trans-1,3-Dichloropropene	0.18 U	4.5	0.18	.76	05/04/19 19:25	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	72	31 - 154	05/04/19 19:25	
Dibromofluoromethane	96	63 - 138	05/04/19 19:25	
Toluene-d8	93	66 - 138	05/04/19 19:25	

Client:	Day Environmental, Inc.	**Service Request:**	R1903959
Project:	32 York St/5598S-19	**Date Collected:**	04/30/19 10:06
Sample Matrix:	Soil	**Date Received:**	05/02/19 16:21
Sample Name:	TB-03-32 (7-8)	**Units:**	ug/Kg
Lab Code:	R1903959-007	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	17 U	420	17	72.5	05/08/19 19:01	
1,1,2,2-Tetrachloroethane	17 U	420	17	72.5	05/08/19 19:01	
1,1,2-Trichloroethane	17 U	420	17	72.5	05/08/19 19:01	
1,1,2-Trichloro-1,2,2-trifluoroethane	17 U	420	17	72.5	05/08/19 19:01	
1,1-Dichloroethane (1,1-DCA)	17 U	420	17	72.5	05/08/19 19:01	
1,1-Dichloroethene (1,1-DCE)	25 U	420	25	72.5	05/08/19 19:01	
1,2,3-Trichlorobenzene	44 U	420	44	72.5	05/08/19 19:01	
1,2,4-Trichlorobenzene	36 U	420	36	72.5	05/08/19 19:01	
1,2,4-Trimethylbenzene	**39 J**	420	17	72.5	05/08/19 19:01	
1,2-Dibromo-3-chloropropane (DBCP)	25 U	420	25	72.5	05/08/19 19:01	
1,2-Dibromoethane	17 U	420	17	72.5	05/08/19 19:01	
1,2-Dichlorobenzene	17 U	420	17	72.5	05/08/19 19:01	
1,2-Dichloroethane	17 U	420	17	72.5	05/08/19 19:01	
1,2-Dichloropropane	17 U	420	17	72.5	05/08/19 19:01	
1,3,5-Trimethylbenzene	17 U	420	17	72.5	05/08/19 19:01	
1,3-Dichlorobenzene	17 U	420	17	72.5	05/08/19 19:01	
1,4-Dichlorobenzene	19 U	420	19	72.5	05/08/19 19:01	
1,4-Dioxane	1700 U	8500	1700	72.5	05/08/19 19:01	
2-Butanone (MEK)	170 U	420	170	72.5	05/08/19 19:01	
2-Hexanone	31 U	420	31	72.5	05/08/19 19:01	
4-Isopropyltoluene	**130 J**	420	17	72.5	05/08/19 19:01	
4-Methyl-2-pentanone	20 U	420	20	72.5	05/08/19 19:01	
Acetone	400 U	420	400	72.5	05/08/19 19:01	
Benzene	17 U	420	17	72.5	05/08/19 19:01	
Bromochloromethane	17 U	420	17	72.5	05/08/19 19:01	
Bromodichloromethane	17 U	420	17	72.5	05/08/19 19:01	
Bromoform	43 U	420	43	72.5	05/08/19 19:01	
Bromomethane	180 U	420	180	72.5	05/08/19 19:01	
Carbon Disulfide	25 U	420	25	72.5	05/08/19 19:01	
Carbon Tetrachloride	22 U	420	22	72.5	05/08/19 19:01	
Chlorobenzene	17 U	420	17	72.5	05/08/19 19:01	
Chloroethane	**32 J**	420	17	72.5	05/08/19 19:01	
Chloroform	17 U	420	17	72.5	05/08/19 19:01	
Chloromethane	120 U	420	120	72.5	05/08/19 19:01	
Cyclohexane	**8100**	420	22	72.5	05/08/19 19:01	
Dibromochloromethane	17 U	420	17	72.5	05/08/19 19:01	
Dichlorodifluoromethane (CFC 12)	28 U	420	28	72.5	05/08/19 19:01	
Dichloromethane	240 U	420	240	72.5	05/08/19 19:01	
Ethylbenzene	17 U	420	17	72.5	05/08/19 19:01	
Isopropylbenzene (Cumene)	**240 J**	420	17	72.5	05/08/19 19:01	
Methyl Acetate	**1600**	420	72	72.5	05/08/19 19:01	
Methyl tert-Butyl Ether	17 U	420	17	72.5	05/08/19 19:01	
Methylcyclohexane	**21000 E**	420	27	72.5	05/08/19 19:01	

Client:	Day Environmental, Inc.	**Service Request:**	R1903959
Project:	32 York St/5598S-19	**Date Collected:**	04/30/19 10:06
Sample Matrix:	Soil	**Date Received:**	05/02/19 16:21
Sample Name:	TB-03-32 (7-8)	**Units:**	ug/Kg
Lab Code:	R1903959-007	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Q
Naphthalene	**260**	**BJ**	420	47	72.5	05/08/19 19:01	
Styrene	17	U	420	17	72.5	05/08/19 19:01	
Tetrachloroethene (PCE)	20	U	420	20	72.5	05/08/19 19:01	
Toluene	17	U	420	17	72.5	05/08/19 19:01	
Trichloroethene (TCE)	**35**	**J**	420	19	72.5	05/08/19 19:01	
Trichlorofluoromethane (CFC 11)	22	U	420	22	72.5	05/08/19 19:01	
Vinyl Chloride	39	U	420	39	72.5	05/08/19 19:01	
cis-1,2-Dichloroethene	17	U	420	17	72.5	05/08/19 19:01	
cis-1,3-Dichloropropene	17	U	420	17	72.5	05/08/19 19:01	
m,p-Xylenes	32	U	850	32	72.5	05/08/19 19:01	
n-Butylbenzene	**950**		420	17	72.5	05/08/19 19:01	
n-Propylbenzene	**740**		420	17	72.5	05/08/19 19:01	
o-Xylene	17	U	420	17	72.5	05/08/19 19:01	
sec-Butylbenzene	**370**	**J**	420	17	72.5	05/08/19 19:01	
tert-Butylbenzene	**51**	**J**	420	17	72.5	05/08/19 19:01	
trans-1,2-Dichloroethene	17	U	420	17	72.5	05/08/19 19:01	
trans-1,3-Dichloropropene	17	U	420	17	72.5	05/08/19 19:01	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	93	31 - 154	05/08/19 19:01	
Dibromofluoromethane	86	63 - 138	05/08/19 19:01	
Toluene-d8	95	66 - 138	05/08/19 19:01	

Client:	Day Environmental, Inc.	**Service Request:**	R1903959
Project:	32 York St/5598S-19	**Date Collected:**	04/30/19 10:06
Sample Matrix:	Soil	**Date Received:**	05/02/19 16:21
Sample Name:	TB-03-32 (7-8)	**Units:**	ug/Kg
Lab Code:	R1903959-007	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	68	U	1700	68	290	05/10/19 17:19	
1,1,2,2-Tetrachloroethane	68	U	1700	68	290	05/10/19 17:19	
1,1,2-Trichloroethane	68	U	1700	68	290	05/10/19 17:19	
1,1,2-Trichloro-1,2,2-trifluoroethane	68	U	1700	68	290	05/10/19 17:19	
1,1-Dichloroethane (1,1-DCA)	68	U	1700	68	290	05/10/19 17:19	
1,1-Dichloroethene (1,1-DCE)	99	U	1700	99	290	05/10/19 17:19	
1,2,3-Trichlorobenzene	180	U	1700	180	290	05/10/19 17:19	
1,2,4-Trichlorobenzene	150	U	1700	150	290	05/10/19 17:19	
1,2,4-Trimethylbenzene	68	U	1700	68	290	05/10/19 17:19	
1,2-Dibromo-3-chloropropane (DBCP)	99	U	1700	99	290	05/10/19 17:19	
1,2-Dibromoethane	68	U	1700	68	290	05/10/19 17:19	
1,2-Dichlorobenzene	68	U	1700	68	290	05/10/19 17:19	
1,2-Dichloroethane	68	U	1700	68	290	05/10/19 17:19	
1,2-Dichloropropane	68	U	1700	68	290	05/10/19 17:19	
1,3,5-Trimethylbenzene	68	U	1700	68	290	05/10/19 17:19	
1,3-Dichlorobenzene	68	U	1700	68	290	05/10/19 17:19	
1,4-Dichlorobenzene	75	U	1700	75	290	05/10/19 17:19	
1,4-Dioxane	6800	U	34000	6800	290	05/10/19 17:19	
2-Butanone (MEK)	680	U	1700	680	290	05/10/19 17:19	
2-Hexanone	130	U	1700	130	290	05/10/19 17:19	
4-Isopropyltoluene	**120**	**DJ**	1700	68	290	05/10/19 17:19	
4-Methyl-2-pentanone	78	U	1700	78	290	05/10/19 17:19	
Acetone	1600	U	1700	1600	290	05/10/19 17:19	
Benzene	68	U	1700	68	290	05/10/19 17:19	
Bromochloromethane	68	U	1700	68	290	05/10/19 17:19	
Bromodichloromethane	68	U	1700	68	290	05/10/19 17:19	
Bromoform	170	U	1700	170	290	05/10/19 17:19	
Bromomethane	720	U	1700	720	290	05/10/19 17:19	
Carbon Disulfide	99	U	1700	99	290	05/10/19 17:19	
Carbon Tetrachloride	88	U	1700	88	290	05/10/19 17:19	
Chlorobenzene	68	U	1700	68	290	05/10/19 17:19	
Chloroethane	68	U	1700	68	290	05/10/19 17:19	
Chloroform	68	U	1700	68	290	05/10/19 17:19	
Chloromethane	480	U	1700	480	290	05/10/19 17:19	
Cyclohexane	**5500**	**D**	1700	88	290	05/10/19 17:19	
Dibromochloromethane	68	U	1700	68	290	05/10/19 17:19	
Dichlorodifluoromethane (CFC 12)	120	U	1700	120	290	05/10/19 17:19	
Dichloromethane	950	U	1700	950	290	05/10/19 17:19	
Ethylbenzene	68	U	1700	68	290	05/10/19 17:19	
Isopropylbenzene (Cumene)	**220**	**DJ**	1700	68	290	05/10/19 17:19	
Methyl Acetate	**1800**	**D**	1700	290	290	05/10/19 17:19	
Methyl tert-Butyl Ether	68	U	1700	68	290	05/10/19 17:19	
Methylcyclohexane	**15000**	**D**	1700	110	290	05/10/19 17:19	

Analytical Report

Client:	Day Environmental, Inc.	**Service Request:**	R1903959
Project:	32 York St/5598S-19	**Date Collected:**	04/30/19 10:06
Sample Matrix:	Soil	**Date Received:**	05/02/19 16:21
Sample Name:	TB-03-32 (7-8)	**Units:**	ug/Kg
Lab Code:	R1903959-007	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Q
Naphthalene	**270**	**DJ**	1700	190	290	05/10/19 17:19	
Styrene	68	U	1700	68	290	05/10/19 17:19	
Tetrachloroethene (PCE)	78	U	1700	78	290	05/10/19 17:19	
Toluene	68	U	1700	68	290	05/10/19 17:19	
Trichloroethene (TCE)	75	U	1700	75	290	05/10/19 17:19	
Trichlorofluoromethane (CFC 11)	88	U	1700	88	290	05/10/19 17:19	
Vinyl Chloride	160	U	1700	160	290	05/10/19 17:19	
cis-1,2-Dichloroethene	68	U	1700	68	290	05/10/19 17:19	
cis-1,3-Dichloropropene	68	U	1700	68	290	05/10/19 17:19	
m,p-Xylenes	130	U	3400	130	290	05/10/19 17:19	
n-Butylbenzene	**860**	**DJ**	1700	68	290	05/10/19 17:19	
n-Propylbenzene	**650**	**DJ**	1700	68	290	05/10/19 17:19	
o-Xylene	68	U	1700	68	290	05/10/19 17:19	
sec-Butylbenzene	**320**	**DJ**	1700	68	290	05/10/19 17:19	
tert-Butylbenzene	68	U	1700	68	290	05/10/19 17:19	
trans-1,2-Dichloroethene	68	U	1700	68	290	05/10/19 17:19	
trans-1,3-Dichloropropene	68	U	1700	68	290	05/10/19 17:19	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	98	31 - 154	05/10/19 17:19	
Dibromofluoromethane	93	63 - 138	05/10/19 17:19	
Toluene-d8	99	66 - 138	05/10/19 17:19	

Analytical Report

Client:	Day Environmental, Inc.	**Service Request:**	R1903959
Project:	32 York St/5598S-19	**Date Collected:**	04/30/19 09:08
Sample Matrix:	Soil	**Date Received:**	05/02/19 16:21
Sample Name:	TB-04-32 (1-4)	**Units:**	ug/Kg
Lab Code:	R1903959-009	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	0.17 U	4.1	0.17	.68	05/04/19 19:48	
1,1,2,2-Tetrachloroethane	0.17 U	4.1	0.17	.68	05/04/19 19:48	
1,1,2-Trichloroethane	0.17 U	4.1	0.17	.68	05/04/19 19:48	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.17 U	4.1	0.17	.68	05/04/19 19:48	
1,1-Dichloroethane (1,1-DCA)	0.17 U	4.1	0.17	.68	05/04/19 19:48	
1,1-Dichloroethene (1,1-DCE)	0.24 U	4.1	0.24	.68	05/04/19 19:48	
1,2,3-Trichlorobenzene	0.43 U	4.1	0.43	.68	05/04/19 19:48	
1,2,4-Trichlorobenzene	0.35 U	4.1	0.35	.68	05/04/19 19:48	
1,2,4-Trimethylbenzene	0.17 U	4.1	0.17	.68	05/04/19 19:48	
1,2-Dibromo-3-chloropropane (DBCP)	0.24 U	4.1	0.24	.68	05/04/19 19:48	
1,2-Dibromoethane	0.17 U	4.1	0.17	.68	05/04/19 19:48	
1,2-Dichlorobenzene	0.17 U	4.1	0.17	.68	05/04/19 19:48	
1,2-Dichloroethane	0.17 U	4.1	0.17	.68	05/04/19 19:48	
1,2-Dichloropropane	0.17 U	4.1	0.17	.68	05/04/19 19:48	
1,3,5-Trimethylbenzene	0.17 U	4.1	0.17	.68	05/04/19 19:48	
1,3-Dichlorobenzene	0.17 U	4.1	0.17	.68	05/04/19 19:48	
1,4-Dichlorobenzene	0.18 U	4.1	0.18	.68	05/04/19 19:48	
1,4-Dioxane	17 U	82	17	.68	05/04/19 19:48	
2-Butanone (MEK)	1.7 U	4.1	1.7	.68	05/04/19 19:48	
2-Hexanone	0.30 U	4.1	0.30	.68	05/04/19 19:48	
4-Isopropyltoluene	0.17 U	4.1	0.17	.68	05/04/19 19:48	
4-Methyl-2-pentanone	0.19 U	4.1	0.19	.68	05/04/19 19:48	
Acetone	**16**	4.1	3.9	.68	05/04/19 19:48	
Benzene	0.17 U	4.1	0.17	.68	05/04/19 19:48	
Bromochloromethane	0.17 U	4.1	0.17	.68	05/04/19 19:48	
Bromodichloromethane	0.17 U	4.1	0.17	.68	05/04/19 19:48	
Bromoform	0.41 U	4.1	0.41	.68	05/04/19 19:48	
Bromomethane	1.8 U	4.1	1.8	.68	05/04/19 19:48	
Carbon Disulfide	0.24 U	4.1	0.24	.68	05/04/19 19:48	
Carbon Tetrachloride	0.22 U	4.1	0.22	.68	05/04/19 19:48	
Chlorobenzene	0.17 U	4.1	0.17	.68	05/04/19 19:48	
Chloroethane	0.17 U	4.1	0.17	.68	05/04/19 19:48	
Chloroform	0.17 U	4.1	0.17	.68	05/04/19 19:48	
Chloromethane	1.2 U	4.1	1.2	.68	05/04/19 19:48	
Cyclohexane	**0.28 J**	4.1	0.22	.68	05/04/19 19:48	
Dibromochloromethane	0.17 U	4.1	0.17	.68	05/04/19 19:48	
Dichlorodifluoromethane (CFC 12)	0.27 U	4.1	0.27	.68	05/04/19 19:48	
Dichloromethane	2.3 U	4.1	2.3	.68	05/04/19 19:48	
Ethylbenzene	0.17 U	4.1	0.17	.68	05/04/19 19:48	
Isopropylbenzene (Cumene)	0.17 U	4.1	0.17	.68	05/04/19 19:48	
Methyl Acetate	0.69 U	4.1	0.69	.68	05/04/19 19:48	
Methyl tert-Butyl Ether	0.17 U	4.1	0.17	.68	05/04/19 19:48	
Methylcyclohexane	**0.47 J**	4.1	0.26	.68	05/04/19 19:48	

Analytical Report

Client:	Day Environmental, Inc.	**Service Request:**	R1903959
Project:	32 York St/5598S-19	**Date Collected:**	04/30/19 09:08
Sample Matrix:	Soil	**Date Received:**	05/02/19 16:21
Sample Name:	TB-04-32 (1-4)	**Units:**	ug/Kg
Lab Code:	R1903959-009	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Naphthalene	0.45 U	4.1	0.45	.68	05/04/19 19:48	
Styrene	0.17 U	4.1	0.17	.68	05/04/19 19:48	
Tetrachloroethene (PCE)	0.19 U	4.1	0.19	.68	05/04/19 19:48	
Toluene	**0.17 J**	4.1	0.17	.68	05/04/19 19:48	
Trichloroethene (TCE)	0.18 U	4.1	0.18	.68	05/04/19 19:48	
Trichlorofluoromethane (CFC 11)	**0.32 J**	4.1	0.22	.68	05/04/19 19:48	
Vinyl Chloride	0.38 U	4.1	0.38	.68	05/04/19 19:48	
cis-1,2-Dichloroethene	0.17 U	4.1	0.17	.68	05/04/19 19:48	
cis-1,3-Dichloropropene	0.17 U	4.1	0.17	.68	05/04/19 19:48	
m,p-Xylenes	0.31 U	8.2	0.31	.68	05/04/19 19:48	
n-Butylbenzene	0.17 U	4.1	0.17	.68	05/04/19 19:48	
n-Propylbenzene	0.17 U	4.1	0.17	.68	05/04/19 19:48	
o-Xylene	0.17 U	4.1	0.17	.68	05/04/19 19:48	
sec-Butylbenzene	0.17 U	4.1	0.17	.68	05/04/19 19:48	
tert-Butylbenzene	0.17 U	4.1	0.17	.68	05/04/19 19:48	
trans-1,2-Dichloroethene	0.17 U	4.1	0.17	.68	05/04/19 19:48	
trans-1,3-Dichloropropene	0.17 U	4.1	0.17	.68	05/04/19 19:48	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	71	31 - 154	05/04/19 19:48	
Dibromofluoromethane	96	63 - 138	05/04/19 19:48	
Toluene-d8	94	66 - 138	05/04/19 19:48	

Analytical Report

Client:	Day Environmental, Inc.	**Service Request:**	R1903959
Project:	32 York St/5598S-19	**Date Collected:**	05/01/19 14:45
Sample Matrix:	Water	**Date Received:**	05/02/19 16:21
Sample Name:	TMW-01-32	**Units:**	ug/L
Lab Code:	R1903959-011	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	0.21 U	5.0	0.21	1	05/06/19 17:42	
1,1,2,2-Tetrachloroethane	0.20 U	5.0	0.20	1	05/06/19 17:42	
1,1,2-Trichloroethane	0.20 U	5.0	0.20	1	05/06/19 17:42	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.20 U	5.0	0.20	1	05/06/19 17:42	
1,1-Dichloroethane (1,1-DCA)	0.20 U	5.0	0.20	1	05/06/19 17:42	
1,1-Dichloroethene (1,1-DCE)	0.25 U	5.0	0.25	1	05/06/19 17:42	
1,2,3-Trichlorobenzene	0.20 U	5.0	0.20	1	05/06/19 17:42	
1,2,4-Trichlorobenzene	0.25 U	5.0	0.25	1	05/06/19 17:42	
1,2,4-Trimethylbenzene	0.20 U	5.0	0.20	1	05/06/19 17:42	
1,2-Dibromo-3-chloropropane (DBCP)	0.45 U	5.0	0.45	1	05/06/19 17:42	
1,2-Dibromoethane	0.20 U	5.0	0.20	1	05/06/19 17:42	
1,2-Dichlorobenzene	0.20 U	5.0	0.20	1	05/06/19 17:42	
1,2-Dichloroethane	0.20 U	5.0	0.20	1	05/06/19 17:42	
1,2-Dichloropropane	0.20 U	5.0	0.20	1	05/06/19 17:42	
1,3,5-Trimethylbenzene	0.20 U	5.0	0.20	1	05/06/19 17:42	
1,3-Dichlorobenzene	0.20 U	5.0	0.20	1	05/06/19 17:42	
1,4-Dichlorobenzene	0.20 U	5.0	0.20	1	05/06/19 17:42	
1,4-Dioxane	13 U	100	13	1	05/06/19 17:42	
2-Butanone (MEK)	0.78 U	10	0.78	1	05/06/19 17:42	
2-Hexanone	0.20 U	10	0.20	1	05/06/19 17:42	
4-Isopropyltoluene	0.20 U	5.0	0.20	1	05/06/19 17:42	
4-Methyl-2-pentanone	0.20 U	10	0.20	1	05/06/19 17:42	
Acetone	**2.5 J**	10	2.1	1	05/06/19 17:42	
Benzene	0.20 U	5.0	0.20	1	05/06/19 17:42	
Bromochloromethane	0.24 U	5.0	0.24	1	05/06/19 17:42	
Bromodichloromethane	0.22 U	5.0	0.22	1	05/06/19 17:42	
Bromoform	0.25 U	5.0	0.25	1	05/06/19 17:42	
Bromomethane	0.70 U	5.0	0.70	1	05/06/19 17:42	
Carbon Disulfide	0.25 U	10	0.25	1	05/06/19 17:42	
Carbon Tetrachloride	0.34 U	5.0	0.34	1	05/06/19 17:42	
Chlorobenzene	0.20 U	5.0	0.20	1	05/06/19 17:42	
Chloroethane	0.23 U	5.0	0.23	1	05/06/19 17:42	
Chloroform	0.24 U	5.0	0.24	1	05/06/19 17:42	
Chloromethane	0.28 U	5.0	0.28	1	05/06/19 17:42	
Cyclohexane	0.26 U	10	0.26	1	05/06/19 17:42	
Dibromochloromethane	0.20 U	5.0	0.20	1	05/06/19 17:42	
Dichlorodifluoromethane (CFC 12)	0.21 U	5.0	0.21	1	05/06/19 17:42	
Dichloromethane	0.36 U	5.0	0.36	1	05/06/19 17:42	
Ethylbenzene	0.20 U	5.0	0.20	1	05/06/19 17:42	
Isopropylbenzene (Cumene)	0.20 U	5.0	0.20	1	05/06/19 17:42	
Methyl Acetate	0.33 U	10	0.33	1	05/06/19 17:42	
Methyl tert-Butyl Ether	0.20 U	5.0	0.20	1	05/06/19 17:42	
Methylcyclohexane	**0.37 J**	10	0.20	1	05/06/19 17:42	

Analytical Report

Client:	Day Environmental, Inc.	**Service Request:**	R1903959
Project:	32 York St/5598S-19	**Date Collected:**	05/01/19 14:45
Sample Matrix:	Water	**Date Received:**	05/02/19 16:21
Sample Name:	TMW-01-32	**Units:**	ug/L
Lab Code:	R1903959-011	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Naphthalene	0.24 U	5.0	0.24	1	05/06/19 17:42	
Styrene	0.20 U	5.0	0.20	1	05/06/19 17:42	
Tetrachloroethene (PCE)	**0.33 J**	5.0	0.21	1	05/06/19 17:42	
Toluene	0.20 U	5.0	0.20	1	05/06/19 17:42	
Trichloroethene (TCE)	0.20 U	5.0	0.20	1	05/06/19 17:42	
Trichlorofluoromethane (CFC 11)	0.24 U	5.0	0.24	1	05/06/19 17:42	
Vinyl Chloride	0.20 U	5.0	0.20	1	05/06/19 17:42	
cis-1,2-Dichloroethene	0.23 U	5.0	0.23	1	05/06/19 17:42	
cis-1,3-Dichloropropene	0.20 U	5.0	0.20	1	05/06/19 17:42	
m,p-Xylenes	0.20 U	5.0	0.20	1	05/06/19 17:42	
n-Butylbenzene	0.20 U	5.0	0.20	1	05/06/19 17:42	
n-Propylbenzene	0.20 U	5.0	0.20	1	05/06/19 17:42	
o-Xylene	0.20 U	5.0	0.20	1	05/06/19 17:42	
sec-Butylbenzene	0.20 U	5.0	0.20	1	05/06/19 17:42	
tert-Butylbenzene	0.20 U	5.0	0.20	1	05/06/19 17:42	
trans-1,2-Dichloroethene	0.20 U	5.0	0.20	1	05/06/19 17:42	
trans-1,3-Dichloropropene	0.23 U	5.0	0.23	1	05/06/19 17:42	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	95	85 - 122	05/06/19 17:42	
Dibromofluoromethane	98	89 - 119	05/06/19 17:42	
Toluene-d8	101	87 - 121	05/06/19 17:42	

Analytical Report

Client:	Day Environmental, Inc.	**Service Request:**	R1903959
Project:	32 York St/5598S-19	**Date Collected:**	05/01/19 12:50
Sample Matrix:	Water	**Date Received:**	05/02/19 16:21
Sample Name:	TMW-02-32	**Units:**	ug/L
Lab Code:	R1903959-012	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	0.21 U	5.0	0.21	1	05/06/19 18:03	
1,1,2,2-Tetrachloroethane	0.20 U	5.0	0.20	1	05/06/19 18:03	
1,1,2-Trichloroethane	0.20 U	5.0	0.20	1	05/06/19 18:03	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.20 U	5.0	0.20	1	05/06/19 18:03	
1,1-Dichloroethane (1,1-DCA)	0.20 U	5.0	0.20	1	05/06/19 18:03	
1,1-Dichloroethene (1,1-DCE)	0.25 U	5.0	0.25	1	05/06/19 18:03	
1,2,3-Trichlorobenzene	0.20 U	5.0	0.20	1	05/06/19 18:03	
1,2,4-Trichlorobenzene	0.25 U	5.0	0.25	1	05/06/19 18:03	
1,2,4-Trimethylbenzene	**0.25 J**	5.0	0.20	1	05/06/19 18:03	
1,2-Dibromo-3-chloropropane (DBCP)	0.45 U	5.0	0.45	1	05/06/19 18:03	
1,2-Dibromoethane	0.20 U	5.0	0.20	1	05/06/19 18:03	
1,2-Dichlorobenzene	0.20 U	5.0	0.20	1	05/06/19 18:03	
1,2-Dichloroethane	0.20 U	5.0	0.20	1	05/06/19 18:03	
1,2-Dichloropropane	0.20 U	5.0	0.20	1	05/06/19 18:03	
1,3,5-Trimethylbenzene	0.20 U	5.0	0.20	1	05/06/19 18:03	
1,3-Dichlorobenzene	0.20 U	5.0	0.20	1	05/06/19 18:03	
1,4-Dichlorobenzene	0.20 U	5.0	0.20	1	05/06/19 18:03	
1,4-Dioxane	13 U	100	13	1	05/06/19 18:03	
2-Butanone (MEK)	0.78 U	10	0.78	1	05/06/19 18:03	
2-Hexanone	0.20 U	10	0.20	1	05/06/19 18:03	
4-Isopropyltoluene	0.20 U	5.0	0.20	1	05/06/19 18:03	
4-Methyl-2-pentanone	0.20 U	10	0.20	1	05/06/19 18:03	
Acetone	2.1 U	10	2.1	1	05/06/19 18:03	
Benzene	0.20 U	5.0	0.20	1	05/06/19 18:03	
Bromochloromethane	0.24 U	5.0	0.24	1	05/06/19 18:03	
Bromodichloromethane	0.22 U	5.0	0.22	1	05/06/19 18:03	
Bromoform	0.25 U	5.0	0.25	1	05/06/19 18:03	
Bromomethane	0.70 U	5.0	0.70	1	05/06/19 18:03	
Carbon Disulfide	0.25 U	10	0.25	1	05/06/19 18:03	
Carbon Tetrachloride	0.34 U	5.0	0.34	1	05/06/19 18:03	
Chlorobenzene	0.20 U	5.0	0.20	1	05/06/19 18:03	
Chloroethane	0.23 U	5.0	0.23	1	05/06/19 18:03	
Chloroform	0.24 U	5.0	0.24	1	05/06/19 18:03	
Chloromethane	0.28 U	5.0	0.28	1	05/06/19 18:03	
Cyclohexane	0.26 U	10	0.26	1	05/06/19 18:03	
Dibromochloromethane	0.20 U	5.0	0.20	1	05/06/19 18:03	
Dichlorodifluoromethane (CFC 12)	0.21 U	5.0	0.21	1	05/06/19 18:03	
Dichloromethane	0.36 U	5.0	0.36	1	05/06/19 18:03	
Ethylbenzene	0.20 U	5.0	0.20	1	05/06/19 18:03	
Isopropylbenzene (Cumene)	0.20 U	5.0	0.20	1	05/06/19 18:03	
Methyl Acetate	0.33 U	10	0.33	1	05/06/19 18:03	
Methyl tert-Butyl Ether	0.20 U	5.0	0.20	1	05/06/19 18:03	
Methylcyclohexane	**0.45 J**	10	0.20	1	05/06/19 18:03	

Analytical Report

Client:	Day Environmental, Inc.	**Service Request:**	R1903959
Project:	32 York St/5598S-19	**Date Collected:**	05/01/19 12:50
Sample Matrix:	Water	**Date Received:**	05/02/19 16:21
Sample Name:	TMW-02-32	**Units:**	ug/L
Lab Code:	R1903959-012	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Naphthalene	0.24 U	5.0	0.24	1	05/06/19 18:03	
Styrene	0.20 U	5.0	0.20	1	05/06/19 18:03	
Tetrachloroethene (PCE)	0.21 U	5.0	0.21	1	05/06/19 18:03	
Toluene	**0.36 J**	5.0	0.20	1	05/06/19 18:03	
Trichloroethene (TCE)	0.20 U	5.0	0.20	1	05/06/19 18:03	
Trichlorofluoromethane (CFC 11)	0.24 U	5.0	0.24	1	05/06/19 18:03	
Vinyl Chloride	0.20 U	5.0	0.20	1	05/06/19 18:03	
cis-1,2-Dichloroethene	0.23 U	5.0	0.23	1	05/06/19 18:03	
cis-1,3-Dichloropropene	0.20 U	5.0	0.20	1	05/06/19 18:03	
m,p-Xylenes	**0.42 J**	5.0	0.20	1	05/06/19 18:03	
n-Butylbenzene	0.20 U	5.0	0.20	1	05/06/19 18:03	
n-Propylbenzene	0.20 U	5.0	0.20	1	05/06/19 18:03	
o-Xylene	0.20 U	5.0	0.20	1	05/06/19 18:03	
sec-Butylbenzene	0.20 U	5.0	0.20	1	05/06/19 18:03	
tert-Butylbenzene	0.20 U	5.0	0.20	1	05/06/19 18:03	
trans-1,2-Dichloroethene	0.20 U	5.0	0.20	1	05/06/19 18:03	
trans-1,3-Dichloropropene	0.23 U	5.0	0.23	1	05/06/19 18:03	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	85 - 122	05/06/19 18:03	
Dibromofluoromethane	101	89 - 119	05/06/19 18:03	
Toluene-d8	103	87 - 121	05/06/19 18:03	

Client:	Day Environmental, Inc.	**Service Request:**	R1903959
Project:	32 York St/5598S-19	**Date Collected:**	05/01/19 13:30
Sample Matrix:	Water	**Date Received:**	05/02/19 16:21
Sample Name:	TMW-03-32	**Units:**	ug/L
Lab Code:	R1903959-013	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	0.53	U	13	0.53	2.5	05/08/19 15:05	
1,1,2,2-Tetrachloroethane	0.50	U	13	0.50	2.5	05/08/19 15:05	
1,1,2-Trichloroethane	0.50	U	13	0.50	2.5	05/08/19 15:05	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	13	0.50	2.5	05/08/19 15:05	
1,1-Dichloroethane (1,1-DCA)	0.50	U	13	0.50	2.5	05/08/19 15:05	
1,1-Dichloroethene (1,1-DCE)	0.63	U	13	0.63	2.5	05/08/19 15:05	
1,2,3-Trichlorobenzene	0.50	U	13	0.50	2.5	05/08/19 15:05	
1,2,4-Trichlorobenzene	0.63	U	13	0.63	2.5	05/08/19 15:05	
1,2,4-Trimethylbenzene	**0.85**	**J**	13	0.50	2.5	05/08/19 15:05	
1,2-Dibromo-3-chloropropane (DBCP)	1.2	U	13	1.2	2.5	05/08/19 15:05	
1,2-Dibromoethane	0.50	U	13	0.50	2.5	05/08/19 15:05	
1,2-Dichlorobenzene	0.50	U	13	0.50	2.5	05/08/19 15:05	
1,2-Dichloroethane	0.50	U	13	0.50	2.5	05/08/19 15:05	
1,2-Dichloropropane	0.50	U	13	0.50	2.5	05/08/19 15:05	
1,3,5-Trimethylbenzene	0.50	U	13	0.50	2.5	05/08/19 15:05	
1,3-Dichlorobenzene	0.50	U	13	0.50	2.5	05/08/19 15:05	
1,4-Dichlorobenzene	0.50	U	13	0.50	2.5	05/08/19 15:05	
1,4-Dioxane	33	U	250	33	2.5	05/08/19 15:05	
2-Butanone (MEK)	**78**		25	2.0	2.5	05/08/19 15:05	
2-Hexanone	**12**	**J**	25	0.50	2.5	05/08/19 15:05	
4-Isopropyltoluene	**3.6**	**J**	13	0.50	2.5	05/08/19 15:05	
4-Methyl-2-pentanone	**7.0**	**J**	25	0.50	2.5	05/08/19 15:05	
Acetone	**220**		25	5.3	2.5	05/08/19 15:05	
Benzene	0.50	U	13	0.50	2.5	05/08/19 15:05	
Bromochloromethane	0.60	U	13	0.60	2.5	05/08/19 15:05	
Bromodichloromethane	0.55	U	13	0.55	2.5	05/08/19 15:05	
Bromoform	0.63	U	13	0.63	2.5	05/08/19 15:05	
Bromomethane	1.8	U	13	1.8	2.5	05/08/19 15:05	
Carbon Disulfide	0.63	U	25	0.63	2.5	05/08/19 15:05	
Carbon Tetrachloride	0.85	U	13	0.85	2.5	05/08/19 15:05	
Chlorobenzene	0.50	U	13	0.50	2.5	05/08/19 15:05	
Chloroethane	**1.9**	**J**	13	0.58	2.5	05/08/19 15:05	
Chloroform	0.60	U	13	0.60	2.5	05/08/19 15:05	
Chloromethane	**1.2**	**J**	13	0.70	2.5	05/08/19 15:05	
Cyclohexane	**62**		25	0.65	2.5	05/08/19 15:05	
Dibromochloromethane	0.50	U	13	0.50	2.5	05/08/19 15:05	
Dichlorodifluoromethane (CFC 12)	0.53	U	13	0.53	2.5	05/08/19 15:05	
Dichloromethane	0.90	U	13	0.90	2.5	05/08/19 15:05	
Ethylbenzene	**2.1**	**J**	13	0.50	2.5	05/08/19 15:05	
Isopropylbenzene (Cumene)	**15**		13	0.50	2.5	05/08/19 15:05	
Methyl Acetate	0.83	U	25	0.83	2.5	05/08/19 15:05	
Methyl tert-Butyl Ether	0.50	U	13	0.50	2.5	05/08/19 15:05	
Methylcyclohexane	**210**		25	0.50	2.5	05/08/19 15:05	

Analytical Report

Client:	Day Environmental, Inc.	**Service Request:**	R1903959
Project:	32 York St/5598S-19	**Date Collected:**	05/01/19 13:30
Sample Matrix:	Water	**Date Received:**	05/02/19 16:21
Sample Name:	TMW-03-32	**Units:**	ug/L
Lab Code:	R1903959-013	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Naphthalene	**28**	13	0.60	2.5	05/08/19 15:05	
Styrene	0.50 U	13	0.50	2.5	05/08/19 15:05	
Tetrachloroethene (PCE)	0.53 U	13	0.53	2.5	05/08/19 15:05	
Toluene	**0.55 J**	13	0.50	2.5	05/08/19 15:05	
Trichloroethene (TCE)	0.50 U	13	0.50	2.5	05/08/19 15:05	
Trichlorofluoromethane (CFC 11)	0.60 U	13	0.60	2.5	05/08/19 15:05	
Vinyl Chloride	0.50 U	13	0.50	2.5	05/08/19 15:05	
cis-1,2-Dichloroethene	0.58 U	13	0.58	2.5	05/08/19 15:05	
cis-1,3-Dichloropropene	0.50 U	13	0.50	2.5	05/08/19 15:05	
m,p-Xylenes	**0.85 J**	13	0.50	2.5	05/08/19 15:05	
n-Butylbenzene	**16**	13	0.50	2.5	05/08/19 15:05	
n-Propylbenzene	**39**	13	0.50	2.5	05/08/19 15:05	
o-Xylene	0.50 U	13	0.50	2.5	05/08/19 15:05	
sec-Butylbenzene	**9.2 J**	13	0.50	2.5	05/08/19 15:05	
tert-Butylbenzene	**2.0 J**	13	0.50	2.5	05/08/19 15:05	
trans-1,2-Dichloroethene	0.50 U	13	0.50	2.5	05/08/19 15:05	
trans-1,3-Dichloropropene	0.58 U	13	0.58	2.5	05/08/19 15:05	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	98	85 - 122	05/08/19 15:05	
Dibromofluoromethane	99	89 - 119	05/08/19 15:05	
Toluene-d8	100	87 - 121	05/08/19 15:05	

Analytical Report

Client:	Day Environmental, Inc.	**Service Request:**	R1903959
Project:	32 York St/5598S-19	**Date Collected:**	05/01/19 14:25
Sample Matrix:	Water	**Date Received:**	05/02/19 16:21
Sample Name:	TMW-04-32	**Units:**	ug/L
Lab Code:	R1903959-014	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	0.21 U	5.0	0.21	1	05/06/19 18:25	
1,1,2,2-Tetrachloroethane	0.20 U	5.0	0.20	1	05/06/19 18:25	
1,1,2-Trichloroethane	0.20 U	5.0	0.20	1	05/06/19 18:25	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.20 U	5.0	0.20	1	05/06/19 18:25	
1,1-Dichloroethane (1,1-DCA)	0.20 U	5.0	0.20	1	05/06/19 18:25	
1,1-Dichloroethene (1,1-DCE)	0.25 U	5.0	0.25	1	05/06/19 18:25	
1,2,3-Trichlorobenzene	0.20 U	5.0	0.20	1	05/06/19 18:25	
1,2,4-Trichlorobenzene	0.25 U	5.0	0.25	1	05/06/19 18:25	
1,2,4-Trimethylbenzene	0.20 U	5.0	0.20	1	05/06/19 18:25	
1,2-Dibromo-3-chloropropane (DBCP)	0.45 U	5.0	0.45	1	05/06/19 18:25	
1,2-Dibromoethane	0.20 U	5.0	0.20	1	05/06/19 18:25	
1,2-Dichlorobenzene	0.20 U	5.0	0.20	1	05/06/19 18:25	
1,2-Dichloroethane	0.20 U	5.0	0.20	1	05/06/19 18:25	
1,2-Dichloropropane	0.20 U	5.0	0.20	1	05/06/19 18:25	
1,3,5-Trimethylbenzene	0.20 U	5.0	0.20	1	05/06/19 18:25	
1,3-Dichlorobenzene	0.20 U	5.0	0.20	1	05/06/19 18:25	
1,4-Dichlorobenzene	0.20 U	5.0	0.20	1	05/06/19 18:25	
1,4-Dioxane	13 U	100	13	1	05/06/19 18:25	
2-Butanone (MEK)	0.78 U	10	0.78	1	05/06/19 18:25	
2-Hexanone	0.20 U	10	0.20	1	05/06/19 18:25	
4-Isopropyltoluene	0.20 U	5.0	0.20	1	05/06/19 18:25	
4-Methyl-2-pentanone	0.20 U	10	0.20	1	05/06/19 18:25	
Acetone	**8.7 J**	10	2.1	1	05/06/19 18:25	
Benzene	0.20 U	5.0	0.20	1	05/06/19 18:25	
Bromochloromethane	0.24 U	5.0	0.24	1	05/06/19 18:25	
Bromodichloromethane	**2.2 J**	5.0	0.22	1	05/06/19 18:25	
Bromoform	0.25 U	5.0	0.25	1	05/06/19 18:25	
Bromomethane	0.70 U	5.0	0.70	1	05/06/19 18:25	
Carbon Disulfide	0.25 U	10	0.25	1	05/06/19 18:25	
Carbon Tetrachloride	0.34 U	5.0	0.34	1	05/06/19 18:25	
Chlorobenzene	0.20 U	5.0	0.20	1	05/06/19 18:25	
Chloroethane	0.23 U	5.0	0.23	1	05/06/19 18:25	
Chloroform	**5.7**	5.0	0.24	1	05/06/19 18:25	
Chloromethane	0.28 U	5.0	0.28	1	05/06/19 18:25	
Cyclohexane	0.26 U	10	0.26	1	05/06/19 18:25	
Dibromochloromethane	**0.78 J**	5.0	0.20	1	05/06/19 18:25	
Dichlorodifluoromethane (CFC 12)	0.21 U	5.0	0.21	1	05/06/19 18:25	
Dichloromethane	0.36 U	5.0	0.36	1	05/06/19 18:25	
Ethylbenzene	0.20 U	5.0	0.20	1	05/06/19 18:25	
Isopropylbenzene (Cumene)	0.20 U	5.0	0.20	1	05/06/19 18:25	
Methyl Acetate	0.33 U	10	0.33	1	05/06/19 18:25	
Methyl tert-Butyl Ether	0.20 U	5.0	0.20	1	05/06/19 18:25	
Methylcyclohexane	0.20 U	10	0.20	1	05/06/19 18:25	

Client:	Day Environmental, Inc.	**Service Request:**	R1903959
Project:	32 York St/5598S-19	**Date Collected:**	05/01/19 14:25
Sample Matrix:	Water	**Date Received:**	05/02/19 16:21
Sample Name:	TMW-04-32	**Units:**	ug/L
Lab Code:	R1903959-014	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Naphthalene	0.24 U	5.0	0.24	1	05/06/19 18:25	
Styrene	0.20 U	5.0	0.20	1	05/06/19 18:25	
Tetrachloroethene (PCE)	0.21 U	5.0	0.21	1	05/06/19 18:25	
Toluene	**0.22 J**	5.0	0.20	1	05/06/19 18:25	
Trichloroethene (TCE)	0.20 U	5.0	0.20	1	05/06/19 18:25	
Trichlorofluoromethane (CFC 11)	0.24 U	5.0	0.24	1	05/06/19 18:25	
Vinyl Chloride	0.20 U	5.0	0.20	1	05/06/19 18:25	
cis-1,2-Dichloroethene	0.23 U	5.0	0.23	1	05/06/19 18:25	
cis-1,3-Dichloropropene	0.20 U	5.0	0.20	1	05/06/19 18:25	
m,p-Xylenes	0.20 U	5.0	0.20	1	05/06/19 18:25	
n-Butylbenzene	0.20 U	5.0	0.20	1	05/06/19 18:25	
n-Propylbenzene	0.20 U	5.0	0.20	1	05/06/19 18:25	
o-Xylene	0.20 U	5.0	0.20	1	05/06/19 18:25	
sec-Butylbenzene	0.20 U	5.0	0.20	1	05/06/19 18:25	
tert-Butylbenzene	0.20 U	5.0	0.20	1	05/06/19 18:25	
trans-1,2-Dichloroethene	0.20 U	5.0	0.20	1	05/06/19 18:25	
trans-1,3-Dichloropropene	0.23 U	5.0	0.23	1	05/06/19 18:25	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	95	85 - 122	05/06/19 18:25	
Dibromofluoromethane	99	89 - 119	05/06/19 18:25	
Toluene-d8	101	87 - 121	05/06/19 18:25	

Semivolatile 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:	Day Environmental, Inc.	**Service Request:**	R1903959
Project:	32 York St/5598S-19	**Date Collected:**	04/30/19 08:28
Sample Matrix:	Soil	**Date Received:**	05/02/19 16:21
Sample Name:	TB-01-32 (2-3)	**Units:**	ug/Kg
Lab Code:	R1903959-002	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3541

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	130 U	430	130	1	05/07/19 23:04	5/6/19	
2,3,4,6-Tetrachlorophenol	110 U	430	110	1	05/07/19 23:04	5/6/19	
2,4,5-Trichlorophenol	110 U	430	110	1	05/07/19 23:04	5/6/19	
2,4,6-Trichlorophenol	120 U	430	120	1	05/07/19 23:04	5/6/19	
2,4-Dichlorophenol	88 U	430	88	1	05/07/19 23:04	5/6/19	
2,4-Dimethylphenol	82 U	430	82	1	05/07/19 23:04	5/6/19	
2,4-Dinitrophenol	80 U	2200	80	1	05/07/19 23:04	5/6/19	
2,4-Dinitrotoluene	120 U	430	120	1	05/07/19 23:04	5/6/19	
2,6-Dinitrotoluene	150 U	430	150	1	05/07/19 23:04	5/6/19	
2-Chloronaphthalene	95 U	430	95	1	05/07/19 23:04	5/6/19	
2-Chlorophenol	110 U	430	110	1	05/07/19 23:04	5/6/19	
2-Methylnaphthalene	96 U	430	96	1	05/07/19 23:04	5/6/19	
2-Methylphenol	110 U	430	110	1	05/07/19 23:04	5/6/19	
2-Nitroaniline	130 U	2200	130	1	05/07/19 23:04	5/6/19	
2-Nitrophenol	97 U	430	97	1	05/07/19 23:04	5/6/19	
3,3'-Dichlorobenzidine	140 U	430	140	1	05/07/19 23:04	5/6/19	
3- and 4-Methylphenol Coelution	110 U	430	110	1	05/07/19 23:04	5/6/19	
3-Nitroaniline	93 U	2200	93	1	05/07/19 23:04	5/6/19	
4,6-Dinitro-2-methylphenol	93 U	2200	93	1	05/07/19 23:04	5/6/19	
4-Bromophenyl Phenyl Ether	130 U	430	130	1	05/07/19 23:04	5/6/19	
4-Chloro-3-methylphenol	98 U	430	98	1	05/07/19 23:04	5/6/19	
4-Chloroaniline	51 U	430	51	1	05/07/19 23:04	5/6/19	
4-Chlorophenyl Phenyl Ether	110 U	430	110	1	05/07/19 23:04	5/6/19	
4-Nitroaniline	94 U	2200	94	1	05/07/19 23:04	5/6/19	
4-Nitrophenol	250 U	2200	250	1	05/07/19 23:04	5/6/19	
Acenaphthene	94 U	430	94	1	05/07/19 23:04	5/6/19	
Acenaphthylene	**96 J**	430	87	1	05/07/19 23:04	5/6/19	
Acetophenone	100 U	430	100	1	05/07/19 23:04	5/6/19	
Anthracene	**190 J**	430	83	1	05/07/19 23:04	5/6/19	
Atrazine	120 U	430	120	1	05/07/19 23:04	5/6/19	
Benz(a)anthracene	**630**	430	75	1	05/07/19 23:04	5/6/19	
Benzaldehyde	110 U	2200	110	1	05/07/19 23:04	5/6/19	
Benzo(a)pyrene	**580**	430	86	1	05/07/19 23:04	5/6/19	
Benzo(b)fluoranthene	**730**	430	78	1	05/07/19 23:04	5/6/19	
Benzo(g,h,i)perylene	**420 J**	430	98	1	05/07/19 23:04	5/6/19	
Benzo(k)fluoranthene	**280 J**	430	96	1	05/07/19 23:04	5/6/19	
Biphenyl	100 U	430	100	1	05/07/19 23:04	5/6/19	
2,2'-Oxybis(1-chloropropane)	110 U	430	110	1	05/07/19 23:04	5/6/19	
Bis(2-chloroethoxy)methane	98 U	430	98	1	05/07/19 23:04	5/6/19	
Bis(2-chloroethyl) Ether	78 U	430	78	1	05/07/19 23:04	5/6/19	
Bis(2-ethylhexyl) Phthalate	600 U	650	600	1	05/07/19 23:04	5/6/19	
Butyl Benzyl Phthalate	82 U	430	82	1	05/07/19 23:04	5/6/19	
Caprolactam	95 U	430	95	1	05/07/19 23:04	5/6/19	

Analytical Report

Client:	Day Environmental, Inc.	**Service Request:**	R1903959
Project:	32 York St/5598S-19	**Date Collected:**	04/30/19 08:28
Sample Matrix:	Soil	**Date Received:**	05/02/19 16:21
Sample Name:	TB-01-32 (2-3)	**Units:**	ug/Kg
Lab Code:	R1903959-002	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3541

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	110	U	430	110	1	05/07/19 23:04	5/6/19	
Chrysene	**610**		430	84	1	05/07/19 23:04	5/6/19	
Di-n-butyl Phthalate	150	U	430	150	1	05/07/19 23:04	5/6/19	
Di-n-octyl Phthalate	130	U	430	130	1	05/07/19 23:04	5/6/19	
Dibenz(a,h)anthracene	**82**	**J**	430	78	1	05/07/19 23:04	5/6/19	
Dibenzofuran	88	U	430	88	1	05/07/19 23:04	5/6/19	
Diethyl Phthalate	240	U	430	240	1	05/07/19 23:04	5/6/19	
Dimethyl Phthalate	120	U	430	120	1	05/07/19 23:04	5/6/19	
Fluoranthene	**1300**		430	110	1	05/07/19 23:04	5/6/19	
Fluorene	110	U	430	110	1	05/07/19 23:04	5/6/19	
Hexachlorobenzene	100	U	430	100	1	05/07/19 23:04	5/6/19	
Hexachlorobutadiene	73	U	430	73	1	05/07/19 23:04	5/6/19	
Hexachlorocyclopentadiene	71	U	430	71	1	05/07/19 23:04	5/6/19	
Hexachloroethane	75	U	430	75	1	05/07/19 23:04	5/6/19	
Indeno(1,2,3-cd)pyrene	**390**	**J**	430	94	1	05/07/19 23:04	5/6/19	
Isophorone	92	U	430	92	1	05/07/19 23:04	5/6/19	
N-Nitrosodi-n-propylamine	78	U	430	78	1	05/07/19 23:04	5/6/19	
N-Nitrosodiphenylamine	200	U	430	200	1	05/07/19 23:04	5/6/19	
Naphthalene	88	U	430	88	1	05/07/19 23:04	5/6/19	
Nitrobenzene	88	U	430	88	1	05/07/19 23:04	5/6/19	
Pentachlorophenol (PCP)	150	U	2200	150	1	05/07/19 23:04	5/6/19	
Phenanthrene	**700**		430	89	1	05/07/19 23:04	5/6/19	
Phenol	94	U	430	94	1	05/07/19 23:04	5/6/19	
Pyrene	**1100**		430	83	1	05/07/19 23:04	5/6/19	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	28	10 - 109	05/07/19 23:04	
2-Fluorobiphenyl	23	10 - 102	05/07/19 23:04	
2-Fluorophenol	18	10 - 88	05/07/19 23:04	
Nitrobenzene-d5	21	10 - 95	05/07/19 23:04	
Phenol-d6	20	10 - 145	05/07/19 23:04	
Terphenyl-d14	35	10 - 106	05/07/19 23:04	

Client:	Day Environmental, Inc.	**Service Request:**	R1903959
Project:	32 York St/5598S-19	**Date Collected:**	04/30/19 09:35
Sample Matrix:	Soil	**Date Received:**	05/02/19 16:21
Sample Name:	TB-02-32 (4-5)	**Units:**	ug/Kg
Lab Code:	R1903959-006	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3541

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	120 U	380	120	1	05/07/19 23:32	5/6/19	
2,3,4,6-Tetrachlorophenol	94 U	380	94	1	05/07/19 23:32	5/6/19	
2,4,5-Trichlorophenol	95 U	380	95	1	05/07/19 23:32	5/6/19	
2,4,6-Trichlorophenol	99 U	380	99	1	05/07/19 23:32	5/6/19	
2,4-Dichlorophenol	79 U	380	79	1	05/07/19 23:32	5/6/19	
2,4-Dimethylphenol	73 U	380	73	1	05/07/19 23:32	5/6/19	
2,4-Dinitrophenol	71 U	2000	71	1	05/07/19 23:32	5/6/19	
2,4-Dinitrotoluene	99 U	380	99	1	05/07/19 23:32	5/6/19	
2,6-Dinitrotoluene	140 U	380	140	1	05/07/19 23:32	5/6/19	
2-Chloronaphthalene	84 U	380	84	1	05/07/19 23:32	5/6/19	
2-Chlorophenol	93 U	380	93	1	05/07/19 23:32	5/6/19	
2-Methylnaphthalene	86 U	380	86	1	05/07/19 23:32	5/6/19	
2-Methylphenol	93 U	380	93	1	05/07/19 23:32	5/6/19	
2-Nitroaniline	110 U	2000	110	1	05/07/19 23:32	5/6/19	
2-Nitrophenol	87 U	380	87	1	05/07/19 23:32	5/6/19	
3,3'-Dichlorobenzidine	120 U	380	120	1	05/07/19 23:32	5/6/19	
3- and 4-Methylphenol Coelution	96 U	380	96	1	05/07/19 23:32	5/6/19	
3-Nitroaniline	83 U	2000	83	1	05/07/19 23:32	5/6/19	
4,6-Dinitro-2-methylphenol	83 U	2000	83	1	05/07/19 23:32	5/6/19	
4-Bromophenyl Phenyl Ether	110 U	380	110	1	05/07/19 23:32	5/6/19	
4-Chloro-3-methylphenol	87 U	380	87	1	05/07/19 23:32	5/6/19	
4-Chloroaniline	46 U	380	46	1	05/07/19 23:32	5/6/19	
4-Chlorophenyl Phenyl Ether	91 U	380	91	1	05/07/19 23:32	5/6/19	
4-Nitroaniline	84 U	2000	84	1	05/07/19 23:32	5/6/19	
4-Nitrophenol	230 U	2000	230	1	05/07/19 23:32	5/6/19	
Acenaphthene	84 U	380	84	1	05/07/19 23:32	5/6/19	
Acenaphthylene	78 U	380	78	1	05/07/19 23:32	5/6/19	
Acetophenone	89 U	380	89	1	05/07/19 23:32	5/6/19	
Anthracene	74 U	380	74	1	05/07/19 23:32	5/6/19	
Atrazine	110 U	380	110	1	05/07/19 23:32	5/6/19	
Benz(a)anthracene	67 U	380	67	1	05/07/19 23:32	5/6/19	
Benzaldehyde	91 U	2000	91	1	05/07/19 23:32	5/6/19	
Benzo(a)pyrene	77 U	380	77	1	05/07/19 23:32	5/6/19	
Benzo(b)fluoranthene	70 U	380	70	1	05/07/19 23:32	5/6/19	
Benzo(g,h,i)perylene	87 U	380	87	1	05/07/19 23:32	5/6/19	
Benzo(k)fluoranthene	86 U	380	86	1	05/07/19 23:32	5/6/19	
Biphenyl	89 U	380	89	1	05/07/19 23:32	5/6/19	
2,2'-Oxybis(1-chloropropane)	94 U	380	94	1	05/07/19 23:32	5/6/19	
Bis(2-chloroethoxy)methane	87 U	380	87	1	05/07/19 23:32	5/6/19	
Bis(2-chloroethyl) Ether	70 U	380	70	1	05/07/19 23:32	5/6/19	
Bis(2-ethylhexyl) Phthalate	530 U	580	530	1	05/07/19 23:32	5/6/19	
Butyl Benzyl Phthalate	73 U	380	73	1	05/07/19 23:32	5/6/19	
Caprolactam	85 U	380	85	1	05/07/19 23:32	5/6/19	

Client:	Day Environmental, Inc.	**Service Request:**	R1903959
Project:	32 York St/5598S-19	**Date Collected:**	04/30/19 09:35
Sample Matrix:	Soil	**Date Received:**	05/02/19 16:21
Sample Name:	TB-02-32 (4-5)	**Units:**	ug/Kg
Lab Code:	R1903959-006	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3541

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	95 U	380	95	1	05/07/19 23:32	5/6/19	
Chrysene	75 U	380	75	1	05/07/19 23:32	5/6/19	
Di-n-butyl Phthalate	130 U	380	130	1	05/07/19 23:32	5/6/19	
Di-n-octyl Phthalate	120 U	380	120	1	05/07/19 23:32	5/6/19	
Dibenz(a,h)anthracene	69 U	380	69	1	05/07/19 23:32	5/6/19	
Dibenzofuran	78 U	380	78	1	05/07/19 23:32	5/6/19	
Diethyl Phthalate	210 U	380	210	1	05/07/19 23:32	5/6/19	
Dimethyl Phthalate	110 U	380	110	1	05/07/19 23:32	5/6/19	
Fluoranthene	90 U	380	90	1	05/07/19 23:32	5/6/19	
Fluorene	96 U	380	96	1	05/07/19 23:32	5/6/19	
Hexachlorobenzene	89 U	380	89	1	05/07/19 23:32	5/6/19	
Hexachlorobutadiene	65 U	380	65	1	05/07/19 23:32	5/6/19	
Hexachlorocyclopentadiene	63 U	380	63	1	05/07/19 23:32	5/6/19	
Hexachloroethane	67 U	380	67	1	05/07/19 23:32	5/6/19	
Indeno(1,2,3-cd)pyrene	84 U	380	84	1	05/07/19 23:32	5/6/19	
Isophorone	82 U	380	82	1	05/07/19 23:32	5/6/19	
N-Nitrosodi-n-propylamine	69 U	380	69	1	05/07/19 23:32	5/6/19	
N-Nitrosodiphenylamine	170 U	380	170	1	05/07/19 23:32	5/6/19	
Naphthalene	78 U	380	78	1	05/07/19 23:32	5/6/19	
Nitrobenzene	78 U	380	78	1	05/07/19 23:32	5/6/19	
Pentachlorophenol (PCP)	130 U	2000	130	1	05/07/19 23:32	5/6/19	
Phenanthrene	79 U	380	79	1	05/07/19 23:32	5/6/19	
Phenol	84 U	380	84	1	05/07/19 23:32	5/6/19	
Pyrene	74 U	380	74	1	05/07/19 23:32	5/6/19	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	35	10 - 109	05/07/19 23:32	
2-Fluorobiphenyl	26	10 - 102	05/07/19 23:32	
2-Fluorophenol	26	10 - 88	05/07/19 23:32	
Nitrobenzene-d5	27	10 - 95	05/07/19 23:32	
Phenol-d6	25	10 - 145	05/07/19 23:32	
Terphenyl-d14	43	10 - 106	05/07/19 23:32	

Client:	Day Environmental, Inc.	**Service Request:**	R1903959
Project:	32 York St/5598S-19	**Date Collected:**	04/30/19 10:09
Sample Matrix:	Soil	**Date Received:**	05/02/19 16:21
Sample Name:	TB-03-32 (5-7)	**Units:**	ug/Kg
Lab Code:	R1903959-008	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3541

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	120 U	390	120	1	05/08/19 00:01	5/6/19	
2,3,4,6-Tetrachlorophenol	97 U	390	97	1	05/08/19 00:01	5/6/19	
2,4,5-Trichlorophenol	98 U	390	98	1	05/08/19 00:01	5/6/19	
2,4,6-Trichlorophenol	110 U	390	110	1	05/08/19 00:01	5/6/19	
2,4-Dichlorophenol	81 U	390	81	1	05/08/19 00:01	5/6/19	
2,4-Dimethylphenol	75 U	390	75	1	05/08/19 00:01	5/6/19	
2,4-Dinitrophenol	74 U	2000	74	1	05/08/19 00:01	5/6/19	
2,4-Dinitrotoluene	110 U	390	110	1	05/08/19 00:01	5/6/19	
2,6-Dinitrotoluene	140 U	390	140	1	05/08/19 00:01	5/6/19	
2-Chloronaphthalene	87 U	390	87	1	05/08/19 00:01	5/6/19	
2-Chlorophenol	96 U	390	96	1	05/08/19 00:01	5/6/19	
2-Methylnaphthalene	89 U	390	89	1	05/08/19 00:01	5/6/19	
2-Methylphenol	96 U	390	96	1	05/08/19 00:01	5/6/19	
2-Nitroaniline	120 U	2000	120	1	05/08/19 00:01	5/6/19	
2-Nitrophenol	90 U	390	90	1	05/08/19 00:01	5/6/19	
3,3'-Dichlorobenzidine	130 U	390	130	1	05/08/19 00:01	5/6/19	
3- and 4-Methylphenol Coelution	99 U	390	99	1	05/08/19 00:01	5/6/19	
3-Nitroaniline	85 U	2000	85	1	05/08/19 00:01	5/6/19	
4,6-Dinitro-2-methylphenol	86 U	2000	86	1	05/08/19 00:01	5/6/19	
4-Bromophenyl Phenyl Ether	120 U	390	120	1	05/08/19 00:01	5/6/19	
4-Chloro-3-methylphenol	90 U	390	90	1	05/08/19 00:01	5/6/19	
4-Chloroaniline	47 U	390	47	1	05/08/19 00:01	5/6/19	
4-Chlorophenyl Phenyl Ether	94 U	390	94	1	05/08/19 00:01	5/6/19	
4-Nitroaniline	87 U	2000	87	1	05/08/19 00:01	5/6/19	
4-Nitrophenol	230 U	2000	230	1	05/08/19 00:01	5/6/19	
Acenaphthene	87 U	390	87	1	05/08/19 00:01	5/6/19	
Acenaphthylene	81 U	390	81	1	05/08/19 00:01	5/6/19	
Acetophenone	92 U	390	92	1	05/08/19 00:01	5/6/19	
Anthracene	76 U	390	76	1	05/08/19 00:01	5/6/19	
Atrazine	110 U	390	110	1	05/08/19 00:01	5/6/19	
Benz(a)anthracene	69 U	390	69	1	05/08/19 00:01	5/6/19	
Benzaldehyde	94 U	2000	94	1	05/08/19 00:01	5/6/19	
Benzo(a)pyrene	79 U	390	79	1	05/08/19 00:01	5/6/19	
Benzo(b)fluoranthene	**83 J**	390	72	1	05/08/19 00:01	5/6/19	
Benzo(g,h,i)perylene	90 U	390	90	1	05/08/19 00:01	5/6/19	
Benzo(k)fluoranthene	89 U	390	89	1	05/08/19 00:01	5/6/19	
Biphenyl	92 U	390	92	1	05/08/19 00:01	5/6/19	
2,2'-Oxybis(1-chloropropane)	97 U	390	97	1	05/08/19 00:01	5/6/19	
Bis(2-chloroethoxy)methane	90 U	390	90	1	05/08/19 00:01	5/6/19	
Bis(2-chloroethyl) Ether	72 U	390	72	1	05/08/19 00:01	5/6/19	
Bis(2-ethylhexyl) Phthalate	550 U	600	550	1	05/08/19 00:01	5/6/19	
Butyl Benzyl Phthalate	75 U	390	75	1	05/08/19 00:01	5/6/19	
Caprolactam	88 U	390	88	1	05/08/19 00:01	5/6/19	

Client:	Day Environmental, Inc.	**Service Request:**	R1903959
Project:	32 York St/5598S-19	**Date Collected:**	04/30/19 10:09
Sample Matrix:	Soil	**Date Received:**	05/02/19 16:21
Sample Name:	TB-03-32 (5-7)	**Units:**	ug/Kg
Lab Code:	R1903959-008	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3541

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	98 U	390	98	1	05/08/19 00:01	5/6/19	
Chrysene	78 U	390	78	1	05/08/19 00:01	5/6/19	
Di-n-butyl Phthalate	140 U	390	140	1	05/08/19 00:01	5/6/19	
Di-n-octyl Phthalate	120 U	390	120	1	05/08/19 00:01	5/6/19	
Dibenz(a,h)anthracene	72 U	390	72	1	05/08/19 00:01	5/6/19	
Dibenzofuran	81 U	390	81	1	05/08/19 00:01	5/6/19	
Diethyl Phthalate	220 U	390	220	1	05/08/19 00:01	5/6/19	
Dimethyl Phthalate	110 U	390	110	1	05/08/19 00:01	5/6/19	
Fluoranthene	**95 J**	390	93	1	05/08/19 00:01	5/6/19	
Fluorene	99 U	390	99	1	05/08/19 00:01	5/6/19	
Hexachlorobenzene	92 U	390	92	1	05/08/19 00:01	5/6/19	
Hexachlorobutadiene	67 U	390	67	1	05/08/19 00:01	5/6/19	
Hexachlorocyclopentadiene	66 U	390	66	1	05/08/19 00:01	5/6/19	
Hexachloroethane	69 U	390	69	1	05/08/19 00:01	5/6/19	
Indeno(1,2,3-cd)pyrene	87 U	390	87	1	05/08/19 00:01	5/6/19	
Isophorone	85 U	390	85	1	05/08/19 00:01	5/6/19	
N-Nitrosodi-n-propylamine	72 U	390	72	1	05/08/19 00:01	5/6/19	
N-Nitrosodiphenylamine	180 U	390	180	1	05/08/19 00:01	5/6/19	
Naphthalene	81 U	390	81	1	05/08/19 00:01	5/6/19	
Nitrobenzene	81 U	390	81	1	05/08/19 00:01	5/6/19	
Pentachlorophenol (PCP)	140 U	2000	140	1	05/08/19 00:01	5/6/19	
Phenanthrene	82 U	390	82	1	05/08/19 00:01	5/6/19	
Phenol	86 U	390	86	1	05/08/19 00:01	5/6/19	
Pyrene	**91 J**	390	77	1	05/08/19 00:01	5/6/19	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	41	10 - 109	05/08/19 00:01	
2-Fluorobiphenyl	28	10 - 102	05/08/19 00:01	
2-Fluorophenol	27	10 - 88	05/08/19 00:01	
Nitrobenzene-d5	28	10 - 95	05/08/19 00:01	
Phenol-d6	27	10 - 145	05/08/19 00:01	
Terphenyl-d14	51	10 - 106	05/08/19 00:01	

Client:	Day Environmental, Inc.	**Service Request:**	R1903959
Project:	32 York St/5598S-19	**Date Collected:**	04/30/19 09:11
Sample Matrix:	Soil	**Date Received:**	05/02/19 16:21
Sample Name:	TB-04-32 (4-5)	**Units:**	ug/Kg
Lab Code:	R1903959-010	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3541

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	120 U	380	120	1	05/08/19 00:29	5/6/19	
2,3,4,6-Tetrachlorophenol	94 U	380	94	1	05/08/19 00:29	5/6/19	
2,4,5-Trichlorophenol	95 U	380	95	1	05/08/19 00:29	5/6/19	
2,4,6-Trichlorophenol	98 U	380	98	1	05/08/19 00:29	5/6/19	
2,4-Dichlorophenol	78 U	380	78	1	05/08/19 00:29	5/6/19	
2,4-Dimethylphenol	72 U	380	72	1	05/08/19 00:29	5/6/19	
2,4-Dinitrophenol	71 U	2000	71	1	05/08/19 00:29	5/6/19	
2,4-Dinitrotoluene	99 U	380	99	1	05/08/19 00:29	5/6/19	
2,6-Dinitrotoluene	140 U	380	140	1	05/08/19 00:29	5/6/19	
2-Chloronaphthalene	84 U	380	84	1	05/08/19 00:29	5/6/19	
2-Chlorophenol	92 U	380	92	1	05/08/19 00:29	5/6/19	
2-Methylnaphthalene	85 U	380	85	1	05/08/19 00:29	5/6/19	
2-Methylphenol	92 U	380	92	1	05/08/19 00:29	5/6/19	
2-Nitroaniline	110 U	2000	110	1	05/08/19 00:29	5/6/19	
2-Nitrophenol	86 U	380	86	1	05/08/19 00:29	5/6/19	
3,3'-Dichlorobenzidine	120 U	380	120	1	05/08/19 00:29	5/6/19	
3- and 4-Methylphenol Coelution	96 U	380	96	1	05/08/19 00:29	5/6/19	
3-Nitroaniline	82 U	2000	82	1	05/08/19 00:29	5/6/19	
4,6-Dinitro-2-methylphenol	82 U	2000	82	1	05/08/19 00:29	5/6/19	
4-Bromophenyl Phenyl Ether	110 U	380	110	1	05/08/19 00:29	5/6/19	
4-Chloro-3-methylphenol	87 U	380	87	1	05/08/19 00:29	5/6/19	
4-Chloroaniline	46 U	380	46	1	05/08/19 00:29	5/6/19	
4-Chlorophenyl Phenyl Ether	91 U	380	91	1	05/08/19 00:29	5/6/19	
4-Nitroaniline	84 U	2000	84	1	05/08/19 00:29	5/6/19	
4-Nitrophenol	230 U	2000	230	1	05/08/19 00:29	5/6/19	
Acenaphthene	84 U	380	84	1	05/08/19 00:29	5/6/19	
Acenaphthylene	78 U	380	78	1	05/08/19 00:29	5/6/19	
Acetophenone	89 U	380	89	1	05/08/19 00:29	5/6/19	
Anthracene	73 U	380	73	1	05/08/19 00:29	5/6/19	
Atrazine	110 U	380	110	1	05/08/19 00:29	5/6/19	
Benz(a)anthracene	67 U	380	67	1	05/08/19 00:29	5/6/19	
Benzaldehyde	90 U	2000	90	1	05/08/19 00:29	5/6/19	
Benzo(a)pyrene	76 U	380	76	1	05/08/19 00:29	5/6/19	
Benzo(b)fluoranthene	69 U	380	69	1	05/08/19 00:29	5/6/19	
Benzo(g,h,i)perylene	87 U	380	87	1	05/08/19 00:29	5/6/19	
Benzo(k)fluoranthene	85 U	380	85	1	05/08/19 00:29	5/6/19	
Biphenyl	89 U	380	89	1	05/08/19 00:29	5/6/19	
2,2'-Oxybis(1-chloropropane)	93 U	380	93	1	05/08/19 00:29	5/6/19	
Bis(2-chloroethoxy)methane	87 U	380	87	1	05/08/19 00:29	5/6/19	
Bis(2-chloroethyl) Ether	69 U	380	69	1	05/08/19 00:29	5/6/19	
Bis(2-ethylhexyl) Phthalate	530 U	570	530	1	05/08/19 00:29	5/6/19	
Butyl Benzyl Phthalate	73 U	380	73	1	05/08/19 00:29	5/6/19	
Caprolactam	84 U	380	84	1	05/08/19 00:29	5/6/19	

Analytical Report

Client:	Day Environmental, Inc.	**Service Request:**	R1903959
Project:	32 York St/5598S-19	**Date Collected:**	04/30/19 09:11
Sample Matrix:	Soil	**Date Received:**	05/02/19 16:21
Sample Name:	TB-04-32 (4-5)	**Units:**	ug/Kg
Lab Code:	R1903959-010	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3541

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	94 U	380	94	1	05/08/19 00:29	5/6/19	
Chrysene	75 U	380	75	1	05/08/19 00:29	5/6/19	
Di-n-butyl Phthalate	130 U	380	130	1	05/08/19 00:29	5/6/19	
Di-n-octyl Phthalate	120 U	380	120	1	05/08/19 00:29	5/6/19	
Dibenz(a,h)anthracene	69 U	380	69	1	05/08/19 00:29	5/6/19	
Dibenzofuran	78 U	380	78	1	05/08/19 00:29	5/6/19	
Diethyl Phthalate	210 U	380	210	1	05/08/19 00:29	5/6/19	
Dimethyl Phthalate	110 U	380	110	1	05/08/19 00:29	5/6/19	
Fluoranthene	89 U	380	89	1	05/08/19 00:29	5/6/19	
Fluorene	95 U	380	95	1	05/08/19 00:29	5/6/19	
Hexachlorobenzene	89 U	380	89	1	05/08/19 00:29	5/6/19	
Hexachlorobutadiene	64 U	380	64	1	05/08/19 00:29	5/6/19	
Hexachlorocyclopentadiene	63 U	380	63	1	05/08/19 00:29	5/6/19	
Hexachloroethane	66 U	380	66	1	05/08/19 00:29	5/6/19	
Indeno(1,2,3-cd)pyrene	84 U	380	84	1	05/08/19 00:29	5/6/19	
Isophorone	82 U	380	82	1	05/08/19 00:29	5/6/19	
N-Nitrosodi-n-propylamine	69 U	380	69	1	05/08/19 00:29	5/6/19	
N-Nitrosodiphenylamine	170 U	380	170	1	05/08/19 00:29	5/6/19	
Naphthalene	78 U	380	78	1	05/08/19 00:29	5/6/19	
Nitrobenzene	78 U	380	78	1	05/08/19 00:29	5/6/19	
Pentachlorophenol (PCP)	130 U	2000	130	1	05/08/19 00:29	5/6/19	
Phenanthrene	79 U	380	79	1	05/08/19 00:29	5/6/19	
Phenol	83 U	380	83	1	05/08/19 00:29	5/6/19	
Pyrene	74 U	380	74	1	05/08/19 00:29	5/6/19	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	40	10 - 109	05/08/19 00:29	
2-Fluorobiphenyl	26	10 - 102	05/08/19 00:29	
2-Fluorophenol	20	10 - 88	05/08/19 00:29	
Nitrobenzene-d5	21	10 - 95	05/08/19 00:29	
Phenol-d6	22	10 - 145	05/08/19 00:29	
Terphenyl-d14	41	10 - 106	05/08/19 00:29	

Metals

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METALS

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INORGANIC ANALYSIS DATA PACKAGE

Client:	Day Environmental, Inc.	**Service Request:**	TB-01-32 (3-4)
Project No.:	R1903959	**Date Collected:**	4/30/2019
Project Name:		**Date Received:**	5/2/2019
Matrix:	SOIL	**Units:**	mg/Kg
		Basis:	

Sample Name: **TB-01-32 (3-4)** **Lab Code:** **R1903959-003**

Analyte	Analysis Method	PQL	MDL	Dil. Factor	Result	C	Q
Arsenic	6010C	1.1	0.780	1.0	6.9		
Barium	6010C	2.2	1.1	1.0	121		
Cadmium	6010C	0.557	0.081	1.0	0.813		
Mercury	7471B	0.037	0.007	1.0	0.517		
Chromium	6010C	1.1	0.390	1.0	13.6		
Lead	6010C	5.6	0.446	1.0	170		
Selenium	6010C	1.1	0.601	1.0	1.1	U	
Silver	6010C	1.1	0.079	1.0	0.223	J	

% Solids: **84.7**

Comments:

METALS

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INORGANIC ANALYSIS DATA PACKAGE

Client:	Day Environmental, Inc.	**Service Request:**	TB-01-32 (3-4)
Project No.:	R1903959	**Date Collected:**	4/30/2019
Project Name:		**Date Received:**	5/2/2019
Matrix:	SOIL	**Units:**	mg/Kg
		Basis:	

Sample Name: **TB-02-32 (3-4)** **Lab Code:** **R1903959-005**

Analyte	Analysis Method	PQL	MDL	Dil. Factor	Result	C	Q
Arsenic	6010C	1.1	0.782	1.0	3.2		
Barium	6010C	2.2	1.1	1.0	50.7		
Cadmium	6010C	0.558	0.082	1.0	0.235	J	
Mercury	7471B	0.038	0.007	1.0	0.083		
Chromium	6010C	1.1	0.391	1.0	8.0		
Lead	6010C	5.6	0.447	1.0	63.3		
Selenium	6010C	1.1	0.603	1.0	1.1	U	
Silver	6010C	1.1	0.079	1.0	1.1	U	

% Solids: **86.1**

Comments:

METALS

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INORGANIC ANALYSIS DATA PACKAGE

Client:	Day Environmental, Inc.	**Service Request:**	TB-01-32 (3-4)
Project No.:	R1903959	**Date Collected:**	4/30/2019
Project Name:		**Date Received:**	5/2/2019
Matrix:	SOIL	**Units:**	mg/Kg
		Basis:	

Sample Name: **TB-03-32 (5-7)** **Lab Code:** **R1903959-008**

Analyte	Analysis Method	PQL	MDL	Dil. Factor	Result	C	Q
Arsenic	6010C	1.1	0.799	1.0	7.2		
Barium	6010C	2.3	1.1	1.0	53.1		
Cadmium	6010C	0.571	0.083	1.0	0.320	J	
Mercury	7471B	0.038	0.007	1.0	0.311		
Chromium	6010C	1.1	0.400	1.0	9.5		
Lead	6010C	5.7	0.457	1.0	92.2		
Selenium	6010C	1.1	0.617	1.0	1.1	U	
Silver	6010C	1.1	0.081	1.0	1.1	U	

% Solids: **84.2**

Comments:

METALS

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INORGANIC ANALYSIS DATA PACKAGE

Client:	Day Environmental, Inc.	**Service Request:**	TB-01-32 (3-4)
Project No.:	R1903959	**Date Collected:**	4/30/2019
Project Name:		**Date Received:**	5/2/2019
Matrix:	SOIL	**Units:**	mg/Kg
		Basis:	

Sample Name: **TB-04-32 (4-5)** **Lab Code:** **R1903959-010**

Analyte	Analysis Method	PQL	MDL	Dil. Factor	Result	C	Q
Arsenic	6010C	1.1	0.783	1.0	2.5		
Barium	6010C	2.2	1.1	1.0	25.6		
Cadmium	6010C	0.559	0.082	1.0	0.168	J	
Mercury	7471B	0.037	0.007	1.0	0.012	J	
Chromium	6010C	1.1	0.391	1.0	6.1		
Lead	6010C	5.6	0.447	1.0	5.1	J	
Selenium	6010C	1.1	0.604	1.0	1.1	U	
Silver	6010C	1.1	0.079	1.0	1.1	U	

% Solids: **87.7**

Comments:

General Chemistry

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Analytical Report

Client:	Day Environmental, Inc.	**Service Request:**	R1903959
Project:	32 York St/5598S-19	**Date Collected:**	04/30/19 08:35
Sample Matrix:	Soil	**Date Received:**	05/02/19 16:21
Sample Name:	TB-01-32 (1-2)	**Basis:**	As Received
Lab Code:	R1903959-001		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Total Solids	ALS SOP	**82.5**	Percent	-	1	05/07/19 07:25	

Analytical Report

Client:	Day Environmental, Inc.	**Service Request:**	R1903959
Project:	32 York St/5598S-19	**Date Collected:**	04/30/19 08:28
Sample Matrix:	Soil	**Date Received:**	05/02/19 16:21
Sample Name:	TB-01-32 (2-3)	**Basis:**	As Received
Lab Code:	R1903959-002		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Total Solids	ALS SOP	**76.6**	Percent	-	1	05/07/19 07:25	

Analytical Report

Client:	Day Environmental, Inc.	**Service Request:**	R1903959
Project:	32 York St/5598S-19	**Date Collected:**	04/30/19 08:33
Sample Matrix:	Soil	**Date Received:**	05/02/19 16:21
Sample Name:	TB-01-32 (3-4)	**Basis:**	As Received
Lab Code:	R1903959-003		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Total Solids	ALS SOP	**84.7**	Percent	-	1	05/07/19 07:25	

Client:	Day Environmental, Inc.	**Service Request:**	R1903959
Project:	32 York St/5598S-19	**Date Collected:**	04/30/19 09:36
Sample Matrix:	Soil	**Date Received:**	05/02/19 16:21
Sample Name:	TB-02-32 (2-3)	**Basis:**	As Received
Lab Code:	R1903959-004		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Total Solids	ALS SOP	**85.3**	Percent	-	1	05/07/19 07:25	

Client:	Day Environmental, Inc.	**Service Request:**	R1903959
Project:	32 York St/5598S-19	**Date Collected:**	04/30/19 09:34
Sample Matrix:	Soil	**Date Received:**	05/02/19 16:21
Sample Name:	TB-02-32 (3-4)	**Basis:**	As Received
Lab Code:	R1903959-005		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Total Solids	ALS SOP	**86.1**	Percent	-	1	05/07/19 07:25	

Analytical Report

Client:	Day Environmental, Inc.	**Service Request:**	R1903959
Project:	32 York St/5598S-19	**Date Collected:**	04/30/19 09:35
Sample Matrix:	Soil	**Date Received:**	05/02/19 16:21
Sample Name:	TB-02-32 (4-5)	**Basis:**	As Received
Lab Code:	R1903959-006		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Total Solids	ALS SOP	**87.4**	Percent	-	1	05/07/19 07:25	

Analytical Report

Client:	Day Environmental, Inc.	**Service Request:**	R1903959
Project:	32 York St/5598S-19	**Date Collected:**	04/30/19 10:06
Sample Matrix:	Soil	**Date Received:**	05/02/19 16:21
Sample Name:	TB-03-32 (7-8)	**Basis:**	As Received
Lab Code:	R1903959-007		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Total Solids	ALS SOP	**85.7**	Percent	-	1	05/07/19 07:25	

Analytical Report

Client:	Day Environmental, Inc.	**Service Request:**	R1903959
Project:	32 York St/5598S-19	**Date Collected:**	04/30/19 10:09
Sample Matrix:	Soil	**Date Received:**	05/02/19 16:21
Sample Name:	TB-03-32 (5-7)	**Basis:**	As Received
Lab Code:	R1903959-008		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Total Solids	ALS SOP	**84.2**	Percent	-	1	05/07/19 07:25	

Analytical Report

Client:	Day Environmental, Inc.	**Service Request:**	R1903959
Project:	32 York St/5598S-19	**Date Collected:**	04/30/19 09:08
Sample Matrix:	Soil	**Date Received:**	05/02/19 16:21
Sample Name:	TB-04-32 (1-4)	**Basis:**	As Received
Lab Code:	R1903959-009		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Total Solids	ALS SOP	**83.3**	Percent	-	1	05/07/19 07:25	

Analytical Report

Client:	Day Environmental, Inc.	**Service Request:**	R1903959
Project:	32 York St/5598S-19	**Date Collected:**	04/30/19 09:11
Sample Matrix:	Soil	**Date Received:**	05/02/19 16:21
Sample Name:	TB-04-32 (4-5)	**Basis:**	As Received
Lab Code:	R1903959-010		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Total Solids	ALS SOP	**87.7**	Percent	-	1	05/07/19 07:25	

QC Summary Forms

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Volatile Organic Compounds by GC/MS

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Client: Day Environmental, Inc. **Service Request:** R1903959
Project: 32 York St/5598S-19
Sample Matrix: Soil

SURROGATE RECOVERY SUMMARY
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Extraction Method: EPA 5035A

Sample Name	Lab Code	4-Bromofluorobenzene 31-154	Dibromofluoromethane 63-138	Toluene-d8 66-138
TB-01-32 (1-2)	R1903959-001	82	97	95
TB-02-32 (2-3)	R1903959-004	72	96	93
TB-03-32 (7-8)	R1903959-007	93	86	95
TB-04-32 (1-4)	R1903959-009	71	96	94
Method Blank	RQ1904290-04	89	96	89
Method Blank	RQ1904406-04	90	86	90
Lab Control Sample	RQ1904290-03	93	96	94
Lab Control Sample	RQ1904406-03	93	90	92
TB-03-32 (7-8) DL	R1903959-007	98	93	99
Method Blank	RQ1904436-04	100	93	97
Lab Control Sample	RQ1904436-03	98	97	96

Client: Day Environmental, Inc. **Service Request:** R1903959
Project: 32 York St/5598S-19
Sample Matrix: Water

SURROGATE RECOVERY SUMMARY
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Extraction Method: EPA 5035A

Sample Name	Lab Code	4-Bromofluorobenzene 31-154	Dibromofluoromethane 63-138	Toluene-d8 66-138
TMW-01-32	R1903959-011	95	98	101
TMW-02-32	R1903959-012	97	101	103
TMW-04-32	R1903959-014	95	99	101
Method Blank	RQ1904174-04	96	99	101
Lab Control Sample	RQ1904174-03	99	103	102
TMW-03-32	R1903959-013	98	99	100
Method Blank	RQ1904434-04	93	94	97
Lab Control Sample	RQ1904434-03	94	98	96

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client:	Day Environmental, Inc.	**Service Request:**	R1903959
Project:	32 York St/5598S-19	**Date Analyzed:**	05/04/19 17:52
Sample Matrix:	Soil	**Date Extracted:**	

Method Blank Summary
Volatile Organic Compounds by GC/MS

Sample Name:	Method Blank	**Instrument ID:**	R-MS-14
Lab Code:	RQ1904290-04	**File ID:**	I:\ACQUDATA\MSVOA14\Data\050419\F6461.D\
Analysis Method:	8260C	**Analysis Lot:**	634334
Prep Method:	EPA 5035A		

This Method Blank applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Lab Control Sample	RQ1904290-03	I:\ACQUDATA\MSVOA14\Data\050419 \F6459.D\	05/04/19 17:01
TB-01-32 (1-2)	R1903959-001	I:\ACQUDATA\MSVOA14\Data\050419 \F6464.D\	05/04/19 19:02
TB-02-32 (2-3)	R1903959-004	I:\ACQUDATA\MSVOA14\Data\050419 \F6465.D\	05/04/19 19:25
TB-04-32 (1-4)	R1903959-009	I:\ACQUDATA\MSVOA14\Data\050419 \F6466.D\	05/04/19 19:48

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client:	Day Environmental, Inc.	**Service Request:**	R1903959
Project:	32 York St/5598S-19	**Date Analyzed:**	05/06/19 13:01
Sample Matrix:	Water	**Date Extracted:**	

Method Blank Summary
Volatile Organic Compounds by GC/MS

Sample Name:	Method Blank	**Instrument ID:**	R-MS-12
Lab Code:	RQ1904174-04	**File ID:**	I:\ACQUDATA\msvoa12\Data\050619\P26405.D\
Analysis Method:	8260C	**Analysis Lot:**	634409
Prep Method:	EPA 5030C		

This Method Blank applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Lab Control Sample	RQ1904174-03	I:\ACQUDATA\msvoa12\Data\050619\P26403.D\	05/06/19 12:03
TMW-01-32	R1903959-011	I:\ACQUDATA\msvoa12\Data\050619\P26417.D\	05/06/19 17:42
TMW-02-32	R1903959-012	I:\ACQUDATA\msvoa12\Data\050619\P26418.D\	05/06/19 18:03
TMW-04-32	R1903959-014	I:\ACQUDATA\msvoa12\Data\050619\P26419.D\	05/06/19 18:25

Client: Day Environmental, Inc. **Service Request:** R1903959
Project: 32 York St/5598S-19 **Date Analyzed:** 05/08/19 11:26
Sample Matrix: Water

Method Blank Summary
Volatile Organic Compounds by GC/MS

Sample Name: Method Blank **Instrument ID:**R-MS-10
Lab Code: RQ1904434-04 **File ID:**I:\ACQUDATA\msvoa10\data\050819\E0946.D\

Analysis Method: 8260C **Analysis Lot:**634768

This Method Blank applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Lab Control Sample	RQ1904434-03	I:\ACQUDATA\msvoa10\data\050819\E0944.D\	05/08/19 10:37
TMW-03-32	R1903959-013	I:\ACQUDATA\msvoa10\data\050819\E0955.D\	05/08/19 15:05

Client:	Day Environmental, Inc.	**Service Request:**	R1903959
Project:	32 York St/5598S-19	**Date Analyzed:**	05/08/19 16:21
Sample Matrix:	Soil	**Date Extracted:**	

Method Blank Summary
Volatile Organic Compounds by GC/MS

Sample Name:	Method Blank	**Instrument ID:**	R-MS-14
Lab Code:	RQ1904406-04	**File ID:**	I:\ACQUDATA\MSVOA14\Data\050819\F6512.D\
Analysis Method:	8260C	**Analysis Lot:**	634784
Prep Method:	EPA 5035A		

This Method Blank applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Lab Control Sample	RQ1904406-03	I:\ACQUDATA\MSVOA14\Data\050819 \F6510.D\	05/08/19 15:28
TB-03-32 (7-8)	R1903959-007	I:\ACQUDATA\MSVOA14\Data\050819 \F6519.D\	05/08/19 19:01

Client:	Day Environmental, Inc.	**Service Request:**	R1903959
Project:	32 York St/5598S-19	**Date Analyzed:**	05/10/19 12:34
Sample Matrix:	Soil		

Method Blank Summary
Volatile Organic Compounds by GC/MS

Sample Name: Method Blank **Instrument ID:** R-MS-10

Lab Code: RQ1904436-04 **File ID:** I:\ACQUDATA\msvoa10\data\051019\E0979.D\

Analysis Method: 8260C **Analysis Lot:** 635063

This Method Blank applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Lab Control Sample	RQ1904436-03	I:\ACQUDATA\msvoa10\data\051019\E0977.D\	05/10/19 11:48
TB-03-32 (7-8)	R1903959-007	I:\ACQUDATA\msvoa10\data\051019\E0991.D\	05/10/19 17:19

Analytical Report

Client:	Day Environmental, Inc.	**Service Request:**	R1903959
Project:	32 York St/5598S-19	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ1904174-04	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	0.21 U	5.0	0.21	1	05/06/19 13:01	
1,1,2,2-Tetrachloroethane	0.20 U	5.0	0.20	1	05/06/19 13:01	
1,1,2-Trichloroethane	0.20 U	5.0	0.20	1	05/06/19 13:01	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.20 U	5.0	0.20	1	05/06/19 13:01	
1,1-Dichloroethane (1,1-DCA)	0.20 U	5.0	0.20	1	05/06/19 13:01	
1,1-Dichloroethene (1,1-DCE)	0.25 U	5.0	0.25	1	05/06/19 13:01	
1,2,3-Trichlorobenzene	0.20 U	5.0	0.20	1	05/06/19 13:01	
1,2,4-Trichlorobenzene	0.25 U	5.0	0.25	1	05/06/19 13:01	
1,2,4-Trimethylbenzene	0.20 U	5.0	0.20	1	05/06/19 13:01	
1,2-Dibromo-3-chloropropane (DBCP)	0.45 U	5.0	0.45	1	05/06/19 13:01	
1,2-Dibromoethane	0.20 U	5.0	0.20	1	05/06/19 13:01	
1,2-Dichlorobenzene	0.20 U	5.0	0.20	1	05/06/19 13:01	
1,2-Dichloroethane	0.20 U	5.0	0.20	1	05/06/19 13:01	
1,2-Dichloropropane	0.20 U	5.0	0.20	1	05/06/19 13:01	
1,3,5-Trimethylbenzene	0.20 U	5.0	0.20	1	05/06/19 13:01	
1,3-Dichlorobenzene	0.20 U	5.0	0.20	1	05/06/19 13:01	
1,4-Dichlorobenzene	0.20 U	5.0	0.20	1	05/06/19 13:01	
1,4-Dioxane	13 U	100	13	1	05/06/19 13:01	
2-Butanone (MEK)	0.78 U	10	0.78	1	05/06/19 13:01	
2-Hexanone	0.20 U	10	0.20	1	05/06/19 13:01	
4-Isopropyltoluene	0.20 U	5.0	0.20	1	05/06/19 13:01	
4-Methyl-2-pentanone	0.20 U	10	0.20	1	05/06/19 13:01	
Acetone	2.1 U	10	2.1	1	05/06/19 13:01	
Benzene	0.20 U	5.0	0.20	1	05/06/19 13:01	
Bromochloromethane	0.24 U	5.0	0.24	1	05/06/19 13:01	
Bromodichloromethane	0.22 U	5.0	0.22	1	05/06/19 13:01	
Bromoform	0.25 U	5.0	0.25	1	05/06/19 13:01	
Bromomethane	0.70 U	5.0	0.70	1	05/06/19 13:01	
Carbon Disulfide	**0.26 J**	10	0.25	1	05/06/19 13:01	
Carbon Tetrachloride	0.34 U	5.0	0.34	1	05/06/19 13:01	
Chlorobenzene	0.20 U	5.0	0.20	1	05/06/19 13:01	
Chloroethane	0.23 U	5.0	0.23	1	05/06/19 13:01	
Chloroform	0.24 U	5.0	0.24	1	05/06/19 13:01	
Chloromethane	0.28 U	5.0	0.28	1	05/06/19 13:01	
Cyclohexane	0.26 U	10	0.26	1	05/06/19 13:01	
Dibromochloromethane	0.20 U	5.0	0.20	1	05/06/19 13:01	
Dichlorodifluoromethane (CFC 12)	0.21 U	5.0	0.21	1	05/06/19 13:01	
Dichloromethane	0.36 U	5.0	0.36	1	05/06/19 13:01	
Ethylbenzene	0.20 U	5.0	0.20	1	05/06/19 13:01	
Isopropylbenzene (Cumene)	0.20 U	5.0	0.20	1	05/06/19 13:01	
Methyl Acetate	0.33 U	10	0.33	1	05/06/19 13:01	
Methyl tert-Butyl Ether	0.20 U	5.0	0.20	1	05/06/19 13:01	
Methylcyclohexane	0.20 U	10	0.20	1	05/06/19 13:01	

Analytical Report

Client:	Day Environmental, Inc.	**Service Request:**	R1903959
Project:	32 York St/5598S-19	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ1904174-04	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Naphthalene	0.24 U	5.0	0.24	1	05/06/19 13:01	
Styrene	0.20 U	5.0	0.20	1	05/06/19 13:01	
Tetrachloroethene (PCE)	0.21 U	5.0	0.21	1	05/06/19 13:01	
Toluene	0.20 U	5.0	0.20	1	05/06/19 13:01	
Trichloroethene (TCE)	0.20 U	5.0	0.20	1	05/06/19 13:01	
Trichlorofluoromethane (CFC 11)	0.24 U	5.0	0.24	1	05/06/19 13:01	
Vinyl Chloride	0.20 U	5.0	0.20	1	05/06/19 13:01	
cis-1,2-Dichloroethene	0.23 U	5.0	0.23	1	05/06/19 13:01	
cis-1,3-Dichloropropene	0.20 U	5.0	0.20	1	05/06/19 13:01	
m,p-Xylenes	0.20 U	5.0	0.20	1	05/06/19 13:01	
n-Butylbenzene	0.20 U	5.0	0.20	1	05/06/19 13:01	
n-Propylbenzene	0.20 U	5.0	0.20	1	05/06/19 13:01	
o-Xylene	0.20 U	5.0	0.20	1	05/06/19 13:01	
sec-Butylbenzene	0.20 U	5.0	0.20	1	05/06/19 13:01	
tert-Butylbenzene	0.20 U	5.0	0.20	1	05/06/19 13:01	
trans-1,2-Dichloroethene	0.20 U	5.0	0.20	1	05/06/19 13:01	
trans-1,3-Dichloropropene	0.23 U	5.0	0.23	1	05/06/19 13:01	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	96	85 - 122	05/06/19 13:01	
Dibromofluoromethane	99	89 - 119	05/06/19 13:01	
Toluene-d8	101	87 - 121	05/06/19 13:01	

Analytical Report

Client:	Day Environmental, Inc.	**Service Request:**	R1903959
Project:	32 York St/5598S-19	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/Kg
Lab Code:	RQ1904290-04	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	0.20 U	5.0	0.20	1	05/04/19 17:52	
1,1,2,2-Tetrachloroethane	0.20 U	5.0	0.20	1	05/04/19 17:52	
1,1,2-Trichloroethane	0.20 U	5.0	0.20	1	05/04/19 17:52	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.20 U	5.0	0.20	1	05/04/19 17:52	
1,1-Dichloroethane (1,1-DCA)	0.20 U	5.0	0.20	1	05/04/19 17:52	
1,1-Dichloroethene (1,1-DCE)	0.29 U	5.0	0.29	1	05/04/19 17:52	
1,2,3-Trichlorobenzene	**0.58 J**	5.0	0.52	1	05/04/19 17:52	
1,2,4-Trichlorobenzene	**0.54 J**	5.0	0.42	1	05/04/19 17:52	
1,2,4-Trimethylbenzene	0.20 U	5.0	0.20	1	05/04/19 17:52	
1,2-Dibromo-3-chloropropane (DBCP)	0.29 U	5.0	0.29	1	05/04/19 17:52	
1,2-Dibromoethane	0.20 U	5.0	0.20	1	05/04/19 17:52	
1,2-Dichlorobenzene	0.20 U	5.0	0.20	1	05/04/19 17:52	
1,2-Dichloroethane	0.20 U	5.0	0.20	1	05/04/19 17:52	
1,2-Dichloropropane	0.20 U	5.0	0.20	1	05/04/19 17:52	
1,3,5-Trimethylbenzene	0.20 U	5.0	0.20	1	05/04/19 17:52	
1,3-Dichlorobenzene	0.20 U	5.0	0.20	1	05/04/19 17:52	
1,4-Dichlorobenzene	0.22 U	5.0	0.22	1	05/04/19 17:52	
1,4-Dioxane	20 U	100	20	1	05/04/19 17:52	
2-Butanone (MEK)	2.0 U	5.0	2.0	1	05/04/19 17:52	
2-Hexanone	0.36 U	5.0	0.36	1	05/04/19 17:52	
4-Isopropyltoluene	0.20 U	5.0	0.20	1	05/04/19 17:52	
4-Methyl-2-pentanone	0.23 U	5.0	0.23	1	05/04/19 17:52	
Acetone	4.7 U	5.0	4.7	1	05/04/19 17:52	
Benzene	0.20 U	5.0	0.20	1	05/04/19 17:52	
Bromochloromethane	0.20 U	5.0	0.20	1	05/04/19 17:52	
Bromodichloromethane	0.20 U	5.0	0.20	1	05/04/19 17:52	
Bromoform	0.50 U	5.0	0.50	1	05/04/19 17:52	
Bromomethane	2.1 U	5.0	2.1	1	05/04/19 17:52	
Carbon Disulfide	0.29 U	5.0	0.29	1	05/04/19 17:52	
Carbon Tetrachloride	0.26 U	5.0	0.26	1	05/04/19 17:52	
Chlorobenzene	0.20 U	5.0	0.20	1	05/04/19 17:52	
Chloroethane	0.20 U	5.0	0.20	1	05/04/19 17:52	
Chloroform	0.20 U	5.0	0.20	1	05/04/19 17:52	
Chloromethane	1.4 U	5.0	1.4	1	05/04/19 17:52	
Cyclohexane	0.26 U	5.0	0.26	1	05/04/19 17:52	
Dibromochloromethane	0.20 U	5.0	0.20	1	05/04/19 17:52	
Dichlorodifluoromethane (CFC 12)	0.33 U	5.0	0.33	1	05/04/19 17:52	
Dichloromethane	2.8 U	5.0	2.8	1	05/04/19 17:52	
Ethylbenzene	0.20 U	5.0	0.20	1	05/04/19 17:52	
Isopropylbenzene (Cumene)	0.20 U	5.0	0.20	1	05/04/19 17:52	
Methyl Acetate	0.84 U	5.0	0.84	1	05/04/19 17:52	
Methyl tert-Butyl Ether	0.20 U	5.0	0.20	1	05/04/19 17:52	
Methylcyclohexane	0.31 U	5.0	0.31	1	05/04/19 17:52	

Analytical Report

Client:	Day Environmental, Inc.	**Service Request:**	R1903959
Project:	32 York St/5598S-19	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/Kg
Lab Code:	RQ1904290-04	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Naphthalene	**0.76 J**	5.0	0.55	1	05/04/19 17:52	
Styrene	0.20 U	5.0	0.20	1	05/04/19 17:52	
Tetrachloroethene (PCE)	0.23 U	5.0	0.23	1	05/04/19 17:52	
Toluene	0.20 U	5.0	0.20	1	05/04/19 17:52	
Trichloroethene (TCE)	0.22 U	5.0	0.22	1	05/04/19 17:52	
Trichlorofluoromethane (CFC 11)	0.26 U	5.0	0.26	1	05/04/19 17:52	
Vinyl Chloride	0.46 U	5.0	0.46	1	05/04/19 17:52	
cis-1,2-Dichloroethene	0.20 U	5.0	0.20	1	05/04/19 17:52	
cis-1,3-Dichloropropene	0.20 U	5.0	0.20	1	05/04/19 17:52	
m,p-Xylenes	0.37 U	10	0.37	1	05/04/19 17:52	
n-Butylbenzene	0.20 U	5.0	0.20	1	05/04/19 17:52	
n-Propylbenzene	0.20 U	5.0	0.20	1	05/04/19 17:52	
o-Xylene	0.20 U	5.0	0.20	1	05/04/19 17:52	
sec-Butylbenzene	0.20 U	5.0	0.20	1	05/04/19 17:52	
tert-Butylbenzene	0.20 U	5.0	0.20	1	05/04/19 17:52	
trans-1,2-Dichloroethene	0.20 U	5.0	0.20	1	05/04/19 17:52	
trans-1,3-Dichloropropene	0.20 U	5.0	0.20	1	05/04/19 17:52	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	89	31 - 154	05/04/19 17:52	
Dibromofluoromethane	96	63 - 138	05/04/19 17:52	
Toluene-d8	89	66 - 138	05/04/19 17:52	

Analytical Report

Client:	Day Environmental, Inc.	**Service Request:**	R1903959
Project:	32 York St/5598S-19	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/Kg
Lab Code:	RQ1904406-04	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	10 U	250	10	50	05/08/19 16:21	
1,1,2,2-Tetrachloroethane	10 U	250	10	50	05/08/19 16:21	
1,1,2-Trichloroethane	10 U	250	10	50	05/08/19 16:21	
1,1,2-Trichloro-1,2,2-trifluoroethane	10 U	250	10	50	05/08/19 16:21	
1,1-Dichloroethane (1,1-DCA)	10 U	250	10	50	05/08/19 16:21	
1,1-Dichloroethene (1,1-DCE)	15 U	250	15	50	05/08/19 16:21	
1,2,3-Trichlorobenzene	**31 J**	250	26	50	05/08/19 16:21	
1,2,4-Trichlorobenzene	**29 J**	250	21	50	05/08/19 16:21	
1,2,4-Trimethylbenzene	10 U	250	10	50	05/08/19 16:21	
1,2-Dibromo-3-chloropropane (DBCP)	15 U	250	15	50	05/08/19 16:21	
1,2-Dibromoethane	10 U	250	10	50	05/08/19 16:21	
1,2-Dichlorobenzene	10 U	250	10	50	05/08/19 16:21	
1,2-Dichloroethane	10 U	250	10	50	05/08/19 16:21	
1,2-Dichloropropane	10 U	250	10	50	05/08/19 16:21	
1,3,5-Trimethylbenzene	10 U	250	10	50	05/08/19 16:21	
1,3-Dichlorobenzene	10 U	250	10	50	05/08/19 16:21	
1,4-Dichlorobenzene	11 U	250	11	50	05/08/19 16:21	
1,4-Dioxane	1000 U	5000	1000	50	05/08/19 16:21	
2-Butanone (MEK)	100 U	250	100	50	05/08/19 16:21	
2-Hexanone	18 U	250	18	50	05/08/19 16:21	
4-Isopropyltoluene	10 U	250	10	50	05/08/19 16:21	
4-Methyl-2-pentanone	12 U	250	12	50	05/08/19 16:21	
Acetone	240 U	250	240	50	05/08/19 16:21	
Benzene	10 U	250	10	50	05/08/19 16:21	
Bromochloromethane	10 U	250	10	50	05/08/19 16:21	
Bromodichloromethane	10 U	250	10	50	05/08/19 16:21	
Bromoform	25 U	250	25	50	05/08/19 16:21	
Bromomethane	110 U	250	110	50	05/08/19 16:21	
Carbon Disulfide	15 U	250	15	50	05/08/19 16:21	
Carbon Tetrachloride	13 U	250	13	50	05/08/19 16:21	
Chlorobenzene	10 U	250	10	50	05/08/19 16:21	
Chloroethane	10 U	250	10	50	05/08/19 16:21	
Chloroform	10 U	250	10	50	05/08/19 16:21	
Chloromethane	70 U	250	70	50	05/08/19 16:21	
Cyclohexane	13 U	250	13	50	05/08/19 16:21	
Dibromochloromethane	10 U	250	10	50	05/08/19 16:21	
Dichlorodifluoromethane (CFC 12)	17 U	250	17	50	05/08/19 16:21	
Dichloromethane	140 U	250	140	50	05/08/19 16:21	
Ethylbenzene	10 U	250	10	50	05/08/19 16:21	
Isopropylbenzene (Cumene)	10 U	250	10	50	05/08/19 16:21	
Methyl Acetate	**56 J**	250	42	50	05/08/19 16:21	
Methyl tert-Butyl Ether	10 U	250	10	50	05/08/19 16:21	
Methylcyclohexane	16 U	250	16	50	05/08/19 16:21	

Analytical Report

Client:	Day Environmental, Inc.	**Service Request:**	R1903959
Project:	32 York St/5598S-19	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/Kg
Lab Code:	RQ1904406-04	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Naphthalene	**36 J**	250	28	50	05/08/19 16:21	
Styrene	10 U	250	10	50	05/08/19 16:21	
Tetrachloroethene (PCE)	12 U	250	12	50	05/08/19 16:21	
Toluene	10 U	250	10	50	05/08/19 16:21	
Trichloroethene (TCE)	11 U	250	11	50	05/08/19 16:21	
Trichlorofluoromethane (CFC 11)	13 U	250	13	50	05/08/19 16:21	
Vinyl Chloride	23 U	250	23	50	05/08/19 16:21	
cis-1,2-Dichloroethene	10 U	250	10	50	05/08/19 16:21	
cis-1,3-Dichloropropene	10 U	250	10	50	05/08/19 16:21	
m,p-Xylenes	19 U	500	19	50	05/08/19 16:21	
n-Butylbenzene	10 U	250	10	50	05/08/19 16:21	
n-Propylbenzene	10 U	250	10	50	05/08/19 16:21	
o-Xylene	10 U	250	10	50	05/08/19 16:21	
sec-Butylbenzene	10 U	250	10	50	05/08/19 16:21	
tert-Butylbenzene	10 U	250	10	50	05/08/19 16:21	
trans-1,2-Dichloroethene	10 U	250	10	50	05/08/19 16:21	
trans-1,3-Dichloropropene	10 U	250	10	50	05/08/19 16:21	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	90	31 - 154	05/08/19 16:21	
Dibromofluoromethane	86	63 - 138	05/08/19 16:21	
Toluene-d8	90	66 - 138	05/08/19 16:21	

Client:	Day Environmental, Inc.	**Service Request:**	R1903959
Project:	32 York St/5598S-19	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ1904434-04	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	0.21 U	5.0	0.21	1	05/08/19 11:26	
1,1,2,2-Tetrachloroethane	0.20 U	5.0	0.20	1	05/08/19 11:26	
1,1,2-Trichloroethane	0.20 U	5.0	0.20	1	05/08/19 11:26	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.20 U	5.0	0.20	1	05/08/19 11:26	
1,1-Dichloroethane (1,1-DCA)	0.20 U	5.0	0.20	1	05/08/19 11:26	
1,1-Dichloroethene (1,1-DCE)	0.25 U	5.0	0.25	1	05/08/19 11:26	
1,2,3-Trichlorobenzene	0.20 U	5.0	0.20	1	05/08/19 11:26	
1,2,4-Trichlorobenzene	0.25 U	5.0	0.25	1	05/08/19 11:26	
1,2,4-Trimethylbenzene	0.20 U	5.0	0.20	1	05/08/19 11:26	
1,2-Dibromo-3-chloropropane (DBCP)	0.45 U	5.0	0.45	1	05/08/19 11:26	
1,2-Dibromoethane	0.20 U	5.0	0.20	1	05/08/19 11:26	
1,2-Dichlorobenzene	0.20 U	5.0	0.20	1	05/08/19 11:26	
1,2-Dichloroethane	0.20 U	5.0	0.20	1	05/08/19 11:26	
1,2-Dichloropropane	0.20 U	5.0	0.20	1	05/08/19 11:26	
1,3,5-Trimethylbenzene	0.20 U	5.0	0.20	1	05/08/19 11:26	
1,3-Dichlorobenzene	0.20 U	5.0	0.20	1	05/08/19 11:26	
1,4-Dichlorobenzene	0.20 U	5.0	0.20	1	05/08/19 11:26	
1,4-Dioxane	13 U	100	13	1	05/08/19 11:26	
2-Butanone (MEK)	0.78 U	10	0.78	1	05/08/19 11:26	
2-Hexanone	0.20 U	10	0.20	1	05/08/19 11:26	
4-Isopropyltoluene	0.20 U	5.0	0.20	1	05/08/19 11:26	
4-Methyl-2-pentanone	0.20 U	10	0.20	1	05/08/19 11:26	
Acetone	2.1 U	10	2.1	1	05/08/19 11:26	
Benzene	0.20 U	5.0	0.20	1	05/08/19 11:26	
Bromochloromethane	0.24 U	5.0	0.24	1	05/08/19 11:26	
Bromodichloromethane	0.22 U	5.0	0.22	1	05/08/19 11:26	
Bromoform	0.25 U	5.0	0.25	1	05/08/19 11:26	
Bromomethane	0.70 U	5.0	0.70	1	05/08/19 11:26	
Carbon Disulfide	0.25 U	10	0.25	1	05/08/19 11:26	
Carbon Tetrachloride	0.34 U	5.0	0.34	1	05/08/19 11:26	
Chlorobenzene	0.20 U	5.0	0.20	1	05/08/19 11:26	
Chloroethane	0.23 U	5.0	0.23	1	05/08/19 11:26	
Chloroform	0.24 U	5.0	0.24	1	05/08/19 11:26	
Chloromethane	0.28 U	5.0	0.28	1	05/08/19 11:26	
Cyclohexane	0.26 U	10	0.26	1	05/08/19 11:26	
Dibromochloromethane	0.20 U	5.0	0.20	1	05/08/19 11:26	
Dichlorodifluoromethane (CFC 12)	0.21 U	5.0	0.21	1	05/08/19 11:26	
Dichloromethane	0.36 U	5.0	0.36	1	05/08/19 11:26	
Ethylbenzene	0.20 U	5.0	0.20	1	05/08/19 11:26	
Isopropylbenzene (Cumene)	0.20 U	5.0	0.20	1	05/08/19 11:26	
Methyl Acetate	0.33 U	10	0.33	1	05/08/19 11:26	
Methyl tert-Butyl Ether	0.20 U	5.0	0.20	1	05/08/19 11:26	
Methylcyclohexane	0.20 U	10	0.20	1	05/08/19 11:26	

Analytical Report

Client:	Day Environmental, Inc.	**Service Request:**	R1903959
Project:	32 York St/5598S-19	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ1904434-04	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Naphthalene	0.24 U	5.0	0.24	1	05/08/19 11:26	
Styrene	0.20 U	5.0	0.20	1	05/08/19 11:26	
Tetrachloroethene (PCE)	0.21 U	5.0	0.21	1	05/08/19 11:26	
Toluene	0.20 U	5.0	0.20	1	05/08/19 11:26	
Trichloroethene (TCE)	0.20 U	5.0	0.20	1	05/08/19 11:26	
Trichlorofluoromethane (CFC 11)	0.24 U	5.0	0.24	1	05/08/19 11:26	
Vinyl Chloride	0.20 U	5.0	0.20	1	05/08/19 11:26	
cis-1,2-Dichloroethene	0.23 U	5.0	0.23	1	05/08/19 11:26	
cis-1,3-Dichloropropene	0.20 U	5.0	0.20	1	05/08/19 11:26	
m,p-Xylenes	0.20 U	5.0	0.20	1	05/08/19 11:26	
n-Butylbenzene	0.20 U	5.0	0.20	1	05/08/19 11:26	
n-Propylbenzene	0.20 U	5.0	0.20	1	05/08/19 11:26	
o-Xylene	0.20 U	5.0	0.20	1	05/08/19 11:26	
sec-Butylbenzene	0.20 U	5.0	0.20	1	05/08/19 11:26	
tert-Butylbenzene	0.20 U	5.0	0.20	1	05/08/19 11:26	
trans-1,2-Dichloroethene	0.20 U	5.0	0.20	1	05/08/19 11:26	
trans-1,3-Dichloropropene	0.23 U	5.0	0.23	1	05/08/19 11:26	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	93	85 - 122	05/08/19 11:26	
Dibromofluoromethane	94	89 - 119	05/08/19 11:26	
Toluene-d8	97	87 - 121	05/08/19 11:26	

Analytical Report

Client:	Day Environmental, Inc.	**Service Request:**	R1903959
Project:	32 York St/5598S-19	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/Kg
Lab Code:	RQ1904436-04	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	10 U	250	10	50	05/10/19 12:34	
1,1,2,2-Tetrachloroethane	10 U	250	10	50	05/10/19 12:34	
1,1,2-Trichloroethane	10 U	250	10	50	05/10/19 12:34	
1,1,2-Trichloro-1,2,2-trifluoroethane	10 U	250	10	50	05/10/19 12:34	
1,1-Dichloroethane (1,1-DCA)	10 U	250	10	50	05/10/19 12:34	
1,1-Dichloroethene (1,1-DCE)	15 U	250	15	50	05/10/19 12:34	
1,2,3-Trichlorobenzene	26 U	250	26	50	05/10/19 12:34	
1,2,4-Trichlorobenzene	21 U	250	21	50	05/10/19 12:34	
1,2,4-Trimethylbenzene	10 U	250	10	50	05/10/19 12:34	
1,2-Dibromo-3-chloropropane (DBCP)	15 U	250	15	50	05/10/19 12:34	
1,2-Dibromoethane	10 U	250	10	50	05/10/19 12:34	
1,2-Dichlorobenzene	10 U	250	10	50	05/10/19 12:34	
1,2-Dichloroethane	10 U	250	10	50	05/10/19 12:34	
1,2-Dichloropropane	10 U	250	10	50	05/10/19 12:34	
1,3,5-Trimethylbenzene	10 U	250	10	50	05/10/19 12:34	
1,3-Dichlorobenzene	10 U	250	10	50	05/10/19 12:34	
1,4-Dichlorobenzene	11 U	250	11	50	05/10/19 12:34	
1,4-Dioxane	1000 U	5000	1000	50	05/10/19 12:34	
2-Butanone (MEK)	**110 J**	250	100	50	05/10/19 12:34	
2-Hexanone	18 U	250	18	50	05/10/19 12:34	
4-Isopropyltoluene	10 U	250	10	50	05/10/19 12:34	
4-Methyl-2-pentanone	12 U	250	12	50	05/10/19 12:34	
Acetone	240 U	250	240	50	05/10/19 12:34	
Benzene	10 U	250	10	50	05/10/19 12:34	
Bromochloromethane	10 U	250	10	50	05/10/19 12:34	
Bromodichloromethane	10 U	250	10	50	05/10/19 12:34	
Bromoform	25 U	250	25	50	05/10/19 12:34	
Bromomethane	110 U	250	110	50	05/10/19 12:34	
Carbon Disulfide	15 U	250	15	50	05/10/19 12:34	
Carbon Tetrachloride	13 U	250	13	50	05/10/19 12:34	
Chlorobenzene	10 U	250	10	50	05/10/19 12:34	
Chloroethane	10 U	250	10	50	05/10/19 12:34	
Chloroform	10 U	250	10	50	05/10/19 12:34	
Chloromethane	70 U	250	70	50	05/10/19 12:34	
Cyclohexane	13 U	250	13	50	05/10/19 12:34	
Dibromochloromethane	10 U	250	10	50	05/10/19 12:34	
Dichlorodifluoromethane (CFC 12)	17 U	250	17	50	05/10/19 12:34	
Dichloromethane	140 U	250	140	50	05/10/19 12:34	
Ethylbenzene	10 U	250	10	50	05/10/19 12:34	
Isopropylbenzene (Cumene)	10 U	250	10	50	05/10/19 12:34	
Methyl Acetate	42 U	250	42	50	05/10/19 12:34	
Methyl tert-Butyl Ether	10 U	250	10	50	05/10/19 12:34	
Methylcyclohexane	16 U	250	16	50	05/10/19 12:34	

Analytical Report

Client:	Day Environmental, Inc.	**Service Request:**	R1903959
Project:	32 York St/5598S-19	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/Kg
Lab Code:	RQ1904436-04	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Naphthalene	28 U	250	28	50	05/10/19 12:34	
Styrene	10 U	250	10	50	05/10/19 12:34	
Tetrachloroethene (PCE)	12 U	250	12	50	05/10/19 12:34	
Toluene	10 U	250	10	50	05/10/19 12:34	
Trichloroethene (TCE)	11 U	250	11	50	05/10/19 12:34	
Trichlorofluoromethane (CFC 11)	13 U	250	13	50	05/10/19 12:34	
Vinyl Chloride	23 U	250	23	50	05/10/19 12:34	
cis-1,2-Dichloroethene	10 U	250	10	50	05/10/19 12:34	
cis-1,3-Dichloropropene	10 U	250	10	50	05/10/19 12:34	
m,p-Xylenes	19 U	500	19	50	05/10/19 12:34	
n-Butylbenzene	10 U	250	10	50	05/10/19 12:34	
n-Propylbenzene	10 U	250	10	50	05/10/19 12:34	
o-Xylene	10 U	250	10	50	05/10/19 12:34	
sec-Butylbenzene	10 U	250	10	50	05/10/19 12:34	
tert-Butylbenzene	10 U	250	10	50	05/10/19 12:34	
trans-1,2-Dichloroethene	10 U	250	10	50	05/10/19 12:34	
trans-1,3-Dichloropropene	10 U	250	10	50	05/10/19 12:34	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	31 - 154	05/10/19 12:34	
Dibromofluoromethane	93	63 - 138	05/10/19 12:34	
Toluene-d8	97	66 - 138	05/10/19 12:34	

Client:	Day Environmental, Inc.	**Service Request:**	R1903959
Project:	32 York St/5598S-19	**Date Analyzed:**	05/04/19 17:01
Sample Matrix:	Soil	**Date Extracted:**	

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Sample Name: Lab Control Sample
Lab Code: RQ1904290-03
Instrument ID: R-MS-14
File ID: I:\ACQUDATA\MSVOA14\Data\050419\F6459.D\

Analysis Method: 8260C
Prep Method: EPA 5035A
Analysis Lot: 634334

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Method Blank	RQ1904290-04	I:\ACQUDATA\MSVOA14\Data\050419 \F6461.D\	05/04/19 17:52
TB-01-32 (1-2)	R1903959-001	I:\ACQUDATA\MSVOA14\Data\050419 \F6464.D\	05/04/19 19:02
TB-02-32 (2-3)	R1903959-004	I:\ACQUDATA\MSVOA14\Data\050419 \F6465.D\	05/04/19 19:25
TB-04-32 (1-4)	R1903959-009	I:\ACQUDATA\MSVOA14\Data\050419 \F6466.D\	05/04/19 19:48

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client:	Day Environmental, Inc.	**Service Request:**	R1903959
Project:	32 York St/5598S-19	**Date Analyzed:**	05/06/19 12:03
Sample Matrix:	Water	**Date Extracted:**	

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Sample Name:	Lab Control Sample	**Instrument ID:**	R-MS-12
Lab Code:	RQ1904174-03	**File ID:**	I:\ACQUDATA\msvoa12\Data\050619\P26403.D\
Analysis Method:	8260C	**Analysis Lot:**	634409
Prep Method:	EPA 5030C		

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Method Blank	RQ1904174-04	I:\ACQUDATA\msvoa12\Data\050619\P26405.D\	05/06/19 13:01
TMW-01-32	R1903959-011	I:\ACQUDATA\msvoa12\Data\050619\P26417.D\	05/06/19 17:42
TMW-02-32	R1903959-012	I:\ACQUDATA\msvoa12\Data\050619\P26418.D\	05/06/19 18:03
TMW-04-32	R1903959-014	I:\ACQUDATA\msvoa12\Data\050619\P26419.D\	05/06/19 18:25

Client:	Day Environmental, Inc.	**Service Request:**	R1903959
Project:	32 York St/5598S-19	**Date Analyzed:**	05/08/19 10:37
Sample Matrix:	Water		

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Sample Name:	Lab Control Sample	**Instrument ID:**	R-MS-10
Lab Code:	RQ1904434-03	**File ID:**	I:\ACQUDATA\msvoa10\data\050819\E0944.D\
Analysis Method:	8260C	**Analysis Lot:**	634768

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Method Blank	RQ1904434-04	I:\ACQUDATA\msvoa10\data\050819\E0946.D\	05/08/19 11:26
TMW-03-32	R1903959-013	I:\ACQUDATA\msvoa10\data\050819\E0955.D\	05/08/19 15:05

Client:	Day Environmental, Inc.	**Service Request:**	R1903959
Project:	32 York St/5598S-19	**Date Analyzed:**	05/08/19 15:28
Sample Matrix:	Soil	**Date Extracted:**	

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Sample Name:	Lab Control Sample	**Instrument ID:**	R-MS-14
Lab Code:	RQ1904406-03	**File ID:**	I:\ACQUDATA\MSVOA14\Data\050819\F6510.D\
Analysis Method:	8260C	**Analysis Lot:**	634784
Prep Method:	EPA 5035A		

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Method Blank	RQ1904406-04	I:\ACQUDATA\MSVOA14\Data\050819 \F6512.D\	05/08/19 16:21
TB-03-32 (7-8)	R1903959-007	I:\ACQUDATA\MSVOA14\Data\050819 \F6519.D\	05/08/19 19:01

Client:	Day Environmental, Inc.	**Service Request:**	R1903959
Project:	32 York St/5598S-19	**Date Analyzed:**	05/10/19 11:48
Sample Matrix:	Soil		

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Sample Name:	Lab Control Sample	**Instrument ID:**	R-MS-10
Lab Code:	RQ1904436-03	**File ID:**	I:\ACQUDATA\msvoa10\data\051019\E0977.D\
Analysis Method:	8260C	**Analysis Lot:**	635063

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Method Blank	RQ1904436-04	I:\ACQUDATA\msvoa10\data\051019\E0979.D\	05/10/19 12:34
TB-03-32 (7-8)	R1903959-007	I:\ACQUDATA\msvoa10\data\051019\E0991.D\	05/10/19 17:19

Client: Day Environmental, Inc. **Service Request:** R1903959
Project: 32 York St/5598S-19 **Date Analyzed:** 05/06/19
Sample Matrix: Water

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ1904174-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
1,1,1-Trichloroethane (TCA)	8260C	16.6	20.0	83	75-125
1,1,2,2-Tetrachloroethane	8260C	18.7	20.0	94	78-126
1,1,2-Trichloroethane	8260C	17.7	20.0	89	82-121
1,1,2-Trichloro-1,2,2-trifluoroethane	8260C	18.7	20.0	93	67-124
1,1-Dichloroethane (1,1-DCA)	8260C	18.5	20.0	92	80-124
1,1-Dichloroethene (1,1-DCE)	8260C	16.9	20.0	85	71-118
1,2,3-Trichlorobenzene	8260C	17.9	20.0	90	67-136
1,2,4-Trichlorobenzene	8260C	18.5	20.0	93	75-132
1,2,4-Trimethylbenzene	8260C	17.5	20.0	88	81-126
1,2-Dibromo-3-chloropropane (DBCP)	8260C	15.1	20.0	76	55-136
1,2-Dibromoethane	8260C	19.7	20.0	98	82-127
1,2-Dichlorobenzene	8260C	17.7	20.0	88	80-119
1,2-Dichloroethane	8260C	19.1	20.0	96	71-127
1,2-Dichloropropane	8260C	18.1	20.0	90	80-119
1,3,5-Trimethylbenzene	8260C	17.2	20.0	86	81-128
1,3-Dichlorobenzene	8260C	18.0	20.0	90	83-121
1,4-Dichlorobenzene	8260C	17.7	20.0	88	79-119
1,4-Dioxane	8260C	350	400	87	44-154
2-Butanone (MEK)	8260C	17.5	20.0	87	61-137
2-Hexanone	8260C	16.4	20.0	82	63-124
4-Isopropyltoluene	8260C	16.8	20.0	84	78-133
4-Methyl-2-pentanone	8260C	17.2	20.0	86	66-124
Acetone	8260C	15.1	20.0	75	40-161
Benzene	8260C	17.5	20.0	87	79-119
Bromochloromethane	8260C	18.6	20.0	93	81-126
Bromodichloromethane	8260C	17.4	20.0	87	81-123
Bromoform	8260C	17.3	20.0	87	65-146
Bromomethane	8260C	17.6	20.0	88	42-166
Carbon Disulfide	8260C	22.1	20.0	110	66-128
Carbon Tetrachloride	8260C	17.2	20.0	86	70-127
Chlorobenzene	8260C	17.8	20.0	89	80-121
Chloroethane	8260C	15.9	20.0	79	62-131
Chloroform	8260C	18.0	20.0	90	79-120

Client: Day Environmental, Inc. **Service Request:** R1903959
Project: 32 York St/5598S-19 **Date Analyzed:** 05/06/19
Sample Matrix: Water

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ1904174-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Chloromethane	8260C	18.0	20.0	90	65-135
Cyclohexane	8260C	20.8	20.0	104	69-120
Dibromochloromethane	8260C	17.1	20.0	85	72-128
Dichlorodifluoromethane (CFC 12)	8260C	18.9	20.0	95	59-155
Dichloromethane	8260C	19.0	20.0	95	73-122
Ethylbenzene	8260C	17.0	20.0	85	76-120
Isopropylbenzene (Cumene)	8260C	16.8	20.0	84	77-128
Methyl Acetate	8260C	17.4	20.0	87	40-112
Methyl tert-Butyl Ether	8260C	20.3	20.0	101	75-118
Methylcyclohexane	8260C	19.4	20.0	97	51-129
Naphthalene	8260C	19.4	20.0	97	59-140
Styrene	8260C	18.2	20.0	91	80-124
Tetrachloroethene (PCE)	8260C	16.8	20.0	84	72-125
Toluene	8260C	16.9	20.0	85	79-119
Trichloroethene (TCE)	8260C	17.3	20.0	87	74-122
Trichlorofluoromethane (CFC 11)	8260C	18.4	20.0	92	71-136
Vinyl Chloride	8260C	17.9	20.0	90	74-159
cis-1,2-Dichloroethene	8260C	18.3	20.0	91	80-121
cis-1,3-Dichloropropene	8260C	17.8	20.0	89	77-122
m,p-Xylenes	8260C	34.1	40.0	85	80-126
n-Butylbenzene	8260C	17.2	20.0	86	78-133
n-Propylbenzene	8260C	17.2	20.0	86	78-131
o-Xylene	8260C	16.9	20.0	84	79-123
sec-Butylbenzene	8260C	16.6	20.0	83	75-129
tert-Butylbenzene	8260C	16.8	20.0	84	76-126
trans-1,2-Dichloroethene	8260C	18.0	20.0	90	73-118
trans-1,3-Dichloropropene	8260C	18.9	20.0	94	71-133

Client: Day Environmental, Inc. **Service Request:** R1903959
Project: 32 York St/5598S-19 **Date Analyzed:** 05/04/19
Sample Matrix: Soil

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/Kg
Basis: Dry

Lab Control Sample
RQ1904290-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
1,1,1-Trichloroethane (TCA)	8260C	16.9	20.0	84	68-123
1,1,2,2-Tetrachloroethane	8260C	18.7	20.0	93	78-121
1,1,2-Trichloroethane	8260C	17.6	20.0	88	84-117
1,1,2-Trichloro-1,2,2-trifluoroethane	8260C	15.7	20.0	79	54-121
1,1-Dichloroethane (1,1-DCA)	8260C	19.2	20.0	96	76-123
1,1-Dichloroethene (1,1-DCE)	8260C	16.8	20.0	84	65-115
1,2,3-Trichlorobenzene	8260C	18.8	20.0	94	60-128
1,2,4-Trichlorobenzene	8260C	19.1	20.0	96	62-130
1,2,4-Trimethylbenzene	8260C	18.1	20.0	90	67-121
1,2-Dibromo-3-chloropropane (DBCP)	8260C	18.5	20.0	93	54-135
1,2-Dibromoethane	8260C	18.1	20.0	91	77-117
1,2-Dichlorobenzene	8260C	18.1	20.0	90	75-116
1,2-Dichloroethane	8260C	18.6	20.0	93	74-116
1,2-Dichloropropane	8260C	19.6	20.0	98	79-112
1,3,5-Trimethylbenzene	8260C	17.9	20.0	89	66-122
1,3-Dichlorobenzene	8260C	18.1	20.0	90	72-118
1,4-Dichlorobenzene	8260C	18.2	20.0	91	72-117
1,4-Dioxane	8260C	386	400	97	59-147
2-Butanone (MEK)	8260C	22.6	20.0	113	67-129
2-Hexanone	8260C	21.8	20.0	109	68-118
4-Isopropyltoluene	8260C	16.7	20.0	83	58-128
4-Methyl-2-pentanone	8260C	20.5	20.0	103	64-123
Acetone	8260C	27.3	20.0	137	32-154
Benzene	8260C	18.1	20.0	91	77-114
Bromochloromethane	8260C	18.8	20.0	94	78-117
Bromodichloromethane	8260C	18.0	20.0	90	72-118
Bromoform	8260C	16.9	20.0	84	55-134
Bromomethane	8260C	14.6	20.0	73	10-150
Carbon Disulfide	8260C	19.5	20.0	97	44-139
Carbon Tetrachloride	8260C	15.5	20.0	77	51-123
Chlorobenzene	8260C	18.1	20.0	91	79-115
Chloroethane	8260C	14.3	20.0	71	10-140
Chloroform	8260C	18.7	20.0	94	76-115

Client: Day Environmental, Inc.
Project: 32 York St/5598S-19
Sample Matrix: Soil

Service Request: R1903959
Date Analyzed: 05/04/19

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/Kg
Basis: Dry

Lab Control Sample
RQ1904290-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Chloromethane	8260C	18.8	20.0	94	10-131
Cyclohexane	8260C	19.9	20.0	100	67-122
Dibromochloromethane	8260C	17.7	20.0	88	68-121
Dichlorodifluoromethane (CFC 12)	8260C	16.2	20.0	81	51-144
Dichloromethane	8260C	20.6	20.0	103	72-118
Ethylbenzene	8260C	17.4	20.0	87	64-118
Isopropylbenzene (Cumene)	8260C	16.7	20.0	83	60-123
Methyl Acetate	8260C	21.1	20.0	105	31-122
Methyl tert-Butyl Ether	8260C	19.8	20.0	99	76-118
Methylcyclohexane	8260C	20.3	20.0	101	70-124
Naphthalene	8260C	19.5	20.0	97	68-127
Styrene	8260C	18.6	20.0	93	74-117
Tetrachloroethene (PCE)	8260C	16.4	20.0	82	58-124
Toluene	8260C	17.6	20.0	88	72-116
Trichloroethene (TCE)	8260C	17.3	20.0	87	69-118
Trichlorofluoromethane (CFC 11)	8260C	14.7	20.0	74	52-127
Vinyl Chloride	8260C	16.4	20.0	82	59-153
cis-1,2-Dichloroethene	8260C	18.5	20.0	92	79-113
cis-1,3-Dichloropropene	8260C	18.5	20.0	93	66-117
m,p-Xylenes	8260C	35.3	40.0	88	68-118
n-Butylbenzene	8260C	16.7	20.0	84	54-131
n-Propylbenzene	8260C	17.4	20.0	87	59-126
o-Xylene	8260C	17.7	20.0	88	71-116
sec-Butylbenzene	8260C	16.5	20.0	82	54-128
tert-Butylbenzene	8260C	16.6	20.0	83	58-123
trans-1,2-Dichloroethene	8260C	18.2	20.0	91	73-114
trans-1,3-Dichloropropene	8260C	18.6	20.0	93	57-135

QA/QC Report

Client: Day Environmental, Inc.
Project: 32 York St/5598S-19
Sample Matrix: Soil

Service Request: R1903959
Date Analyzed: 05/08/19

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/Kg
Basis: Dry

Lab Control Sample
RQ1904406-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
1,1,1-Trichloroethane (TCA)	8260C	17.6	20.0	88	68-123
1,1,2,2-Tetrachloroethane	8260C	18.1	20.0	91	78-121
1,1,2-Trichloroethane	8260C	17.5	20.0	88	84-117
1,1,2-Trichloro-1,2,2-trifluoroethane	8260C	17.3	20.0	87	54-121
1,1-Dichloroethane (1,1-DCA)	8260C	20.2	20.0	101	76-123
1,1-Dichloroethene (1,1-DCE)	8260C	17.2	20.0	86	65-115
1,2,3-Trichlorobenzene	8260C	16.4	20.0	82	60-128
1,2,4-Trichlorobenzene	8260C	18.0	20.0	90	62-130
1,2,4-Trimethylbenzene	8260C	18.6	20.0	93	67-121
1,2-Dibromo-3-chloropropane (DBCP)	8260C	14.8	20.0	74	54-135
1,2-Dibromoethane	8260C	17.3	20.0	87	77-117
1,2-Dichlorobenzene	8260C	18.3	20.0	91	75-116
1,2-Dichloroethane	8260C	19.9	20.0	100	74-116
1,2-Dichloropropane	8260C	19.7	20.0	99	79-112
1,3,5-Trimethylbenzene	8260C	18.0	20.0	90	66-122
1,3-Dichlorobenzene	8260C	18.1	20.0	90	72-118
1,4-Dichlorobenzene	8260C	17.8	20.0	89	72-117
1,4-Dioxane	8260C	346	400	86	59-147
2-Butanone (MEK)	8260C	20.1	20.0	100	67-129
2-Hexanone	8260C	18.8	20.0	94	68-118
4-Isopropyltoluene	8260C	17.6	20.0	88	58-128
4-Methyl-2-pentanone	8260C	18.2	20.0	91	64-123
Acetone	8260C	23.2	20.0	116	32-154
Benzene	8260C	18.4	20.0	92	77-114
Bromochloromethane	8260C	18.0	20.0	90	78-117
Bromodichloromethane	8260C	17.7	20.0	88	72-118
Bromoform	8260C	15.7	20.0	79	55-134
Bromomethane	8260C	11.7	20.0	58	10-150
Carbon Disulfide	8260C	21.3	20.0	107	44-139
Carbon Tetrachloride	8260C	14.9	20.0	75	51-123
Chlorobenzene	8260C	17.5	20.0	87	79-115
Chloroethane	8260C	6.93	20.0	35	10-140
Chloroform	8260C	19.4	20.0	97	76-115

Client: Day Environmental, Inc. **Service Request:** R1903959
Project: 32 York St/5598S-19 **Date Analyzed:** 05/08/19
Sample Matrix: Soil

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/Kg
Basis: Dry

Lab Control Sample
RQ1904406-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Chloromethane	8260C	20.3	20.0	102	10-131
Cyclohexane	8260C	17.7	20.0	89	67-122
Dibromochloromethane	8260C	15.9	20.0	80	68-121
Dichlorodifluoromethane (CFC 12)	8260C	14.5	20.0	73	51-144
Dichloromethane	8260C	19.4	20.0	97	72-118
Ethylbenzene	8260C	17.2	20.0	86	64-118
Isopropylbenzene (Cumene)	8260C	17.1	20.0	86	60-123
Methyl Acetate	8260C	23.1	20.0	115	31-122
Methyl tert-Butyl Ether	8260C	20.8	20.0	104	76-118
Methylcyclohexane	8260C	18.8	20.0	94	70-124
Naphthalene	8260C	14.6	20.0	73	68-127
Styrene	8260C	18.2	20.0	91	74-117
Tetrachloroethene (PCE)	8260C	14.8	20.0	74	58-124
Toluene	8260C	17.3	20.0	87	72-116
Trichloroethene (TCE)	8260C	16.5	20.0	82	69-118
Trichlorofluoromethane (CFC 11)	8260C	14.3	20.0	71	52-127
Vinyl Chloride	8260C	18.4	20.0	92	59-153
cis-1,2-Dichloroethene	8260C	19.5	20.0	98	79-113
cis-1,3-Dichloropropene	8260C	19.1	20.0	95	66-117
m,p-Xylenes	8260C	34.6	40.0	86	68-118
n-Butylbenzene	8260C	18.8	20.0	94	54-131
n-Propylbenzene	8260C	17.7	20.0	88	59-126
o-Xylene	8260C	17.9	20.0	90	71-116
sec-Butylbenzene	8260C	17.5	20.0	88	54-128
tert-Butylbenzene	8260C	17.1	20.0	85	58-123
trans-1,2-Dichloroethene	8260C	18.4	20.0	92	73-114
trans-1,3-Dichloropropene	8260C	19.5	20.0	97	57-135

QA/QC Report

Client: Day Environmental, Inc. **Service Request:** R1903959
Project: 32 York St/5598S-19 **Date Analyzed:** 05/08/19
Sample Matrix: Water

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ1904434-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
1,1,1-Trichloroethane (TCA)	8260C	18.2	20.0	91	75-125
1,1,2,2-Tetrachloroethane	8260C	17.5	20.0	88	78-126
1,1,2-Trichloroethane	8260C	17.3	20.0	86	82-121
1,1,2-Trichloro-1,2,2-trifluoroethane	8260C	21.0	20.0	105	67-124
1,1-Dichloroethane (1,1-DCA)	8260C	19.4	20.0	97	80-124
1,1-Dichloroethene (1,1-DCE)	8260C	18.7	20.0	93	71-118
1,2,3-Trichlorobenzene	8260C	18.1	20.0	91	67-136
1,2,4-Trichlorobenzene	8260C	18.6	20.0	93	75-132
1,2,4-Trimethylbenzene	8260C	18.6	20.0	93	81-126
1,2-Dibromo-3-chloropropane (DBCP)	8260C	16.7	20.0	83	55-136
1,2-Dibromoethane	8260C	17.7	20.0	89	82-127
1,2-Dichlorobenzene	8260C	17.7	20.0	89	80-119
1,2-Dichloroethane	8260C	17.5	20.0	88	71-127
1,2-Dichloropropane	8260C	19.4	20.0	97	80-119
1,3,5-Trimethylbenzene	8260C	18.6	20.0	93	81-128
1,3-Dichlorobenzene	8260C	18.0	20.0	90	83-121
1,4-Dichlorobenzene	8260C	17.9	20.0	90	79-119
1,4-Dioxane	8260C	365	400	91	44-154
2-Butanone (MEK)	8260C	19.7	20.0	99	61-137
2-Hexanone	8260C	18.3	20.0	91	63-124
4-Isopropyltoluene	8260C	18.4	20.0	92	78-133
4-Methyl-2-pentanone	8260C	20.2	20.0	101	66-124
Acetone	8260C	17.4	20.0	87	40-161
Benzene	8260C	19.3	20.0	96	79-119
Bromochloromethane	8260C	18.1	20.0	91	81-126
Bromodichloromethane	8260C	18.1	20.0	91	81-123
Bromoform	8260C	17.4	20.0	87	65-146
Bromomethane	8260C	16.7	20.0	84	42-166
Carbon Disulfide	8260C	20.2	20.0	101	66-128
Carbon Tetrachloride	8260C	17.9	20.0	89	70-127
Chlorobenzene	8260C	17.9	20.0	89	80-121
Chloroethane	8260C	16.1	20.0	81	62-131
Chloroform	8260C	18.8	20.0	94	79-120

Client: Day Environmental, Inc.
Project: 32 York St/5598S-19
Sample Matrix: Water

Service Request: R1903959
Date Analyzed: 05/08/19

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ1904434-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Chloromethane	8260C	18.8	20.0	94	65-135
Cyclohexane	8260C	18.6	20.0	93	69-120
Dibromochloromethane	8260C	16.9	20.0	85	72-128
Dichlorodifluoromethane (CFC 12)	8260C	20.5	20.0	102	59-155
Dichloromethane	8260C	18.3	20.0	92	73-122
Ethylbenzene	8260C	19.0	20.0	95	76-120
Isopropylbenzene (Cumene)	8260C	18.2	20.0	91	77-128
Methyl Acetate	8260C	19.1	20.0	96	40-112
Methyl tert-Butyl Ether	8260C	18.9	20.0	94	75-118
Methylcyclohexane	8260C	19.3	20.0	96	51-129
Naphthalene	8260C	18.5	20.0	93	59-140
Styrene	8260C	18.6	20.0	93	80-124
Tetrachloroethene (PCE)	8260C	17.6	20.0	88	72-125
Toluene	8260C	18.5	20.0	92	79-119
Trichloroethene (TCE)	8260C	18.6	20.0	93	74-122
Trichlorofluoromethane (CFC 11)	8260C	19.4	20.0	97	71-136
Vinyl Chloride	8260C	19.6	20.0	98	74-159
cis-1,2-Dichloroethene	8260C	18.9	20.0	95	80-121
cis-1,3-Dichloropropene	8260C	19.0	20.0	95	77-122
m,p-Xylenes	8260C	36.3	40.0	91	80-126
n-Butylbenzene	8260C	19.1	20.0	96	78-133
n-Propylbenzene	8260C	18.7	20.0	94	78-131
o-Xylene	8260C	18.2	20.0	91	79-123
sec-Butylbenzene	8260C	18.5	20.0	93	75-129
tert-Butylbenzene	8260C	18.4	20.0	92	76-126
trans-1,2-Dichloroethene	8260C	19.3	20.0	97	73-118
trans-1,3-Dichloropropene	8260C	18.1	20.0	91	71-133

Client: Day Environmental, Inc. **Service Request:** R1903959
Project: 32 York St/5598S-19 **Date Analyzed:** 05/10/19
Sample Matrix: Soil

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/Kg
Basis: Dry

Lab Control Sample
RQ1904436-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
1,1,1-Trichloroethane (TCA)	8260C	18.2	20.0	91	68-123
1,1,2,2-Tetrachloroethane	8260C	18.5	20.0	93	78-121
1,1,2-Trichloroethane	8260C	18.6	20.0	93	84-117
1,1,2-Trichloro-1,2,2-trifluoroethane	8260C	20.3	20.0	101	54-121
1,1-Dichloroethane (1,1-DCA)	8260C	19.8	20.0	99	76-123
1,1-Dichloroethene (1,1-DCE)	8260C	19.0	20.0	95	65-115
1,2,3-Trichlorobenzene	8260C	19.0	20.0	95	60-128
1,2,4-Trichlorobenzene	8260C	18.8	20.0	94	62-130
1,2,4-Trimethylbenzene	8260C	18.4	20.0	92	67-121
1,2-Dibromo-3-chloropropane (DBCP)	8260C	15.7	20.0	78	54-135
1,2-Dibromoethane	8260C	18.1	20.0	91	77-117
1,2-Dichlorobenzene	8260C	18.4	20.0	92	75-116
1,2-Dichloroethane	8260C	18.4	20.0	92	74-116
1,2-Dichloropropane	8260C	19.4	20.0	97	79-112
1,3,5-Trimethylbenzene	8260C	17.8	20.0	89	66-122
1,3-Dichlorobenzene	8260C	17.9	20.0	89	72-118
1,4-Dichlorobenzene	8260C	17.8	20.0	89	72-117
1,4-Dioxane	8260C	468	400	117	59-147
2-Butanone (MEK)	8260C	25.7	20.0	129	67-129
2-Hexanone	8260C	21.5	20.0	107	68-118
4-Isopropyltoluene	8260C	18.3	20.0	91	58-128
4-Methyl-2-pentanone	8260C	22.8	20.0	114	64-123
Acetone	8260C	23.9	20.0	119	32-154
Benzene	8260C	19.5	20.0	97	77-114
Bromochloromethane	8260C	19.1	20.0	95	78-117
Bromodichloromethane	8260C	17.5	20.0	88	72-118
Bromoform	8260C	16.5	20.0	82	55-134
Bromomethane	8260C	16.9	20.0	85	10-150
Carbon Disulfide	8260C	19.2	20.0	96	44-139
Carbon Tetrachloride	8260C	16.3	20.0	81	51-123
Chlorobenzene	8260C	18.3	20.0	91	79-115
Chloroethane	8260C	12.1	20.0	61	10-140
Chloroform	8260C	18.9	20.0	95	76-115

Client: Day Environmental, Inc. **Service Request:** R1903959
Project: 32 York St/5598S-19 **Date Analyzed:** 05/10/19
Sample Matrix: Soil

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/Kg
Basis: Dry

Lab Control Sample
RQ1904436-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Chloromethane	8260C	18.7	20.0	93	10-131
Cyclohexane	8260C	18.3	20.0	91	67-122
Dibromochloromethane	8260C	15.9	20.0	79	68-121
Dichlorodifluoromethane (CFC 12)	8260C	19.1	20.0	95	51-144
Dichloromethane	8260C	18.7	20.0	93	72-118
Ethylbenzene	8260C	18.9	20.0	95	64-118
Isopropylbenzene (Cumene)	8260C	18.5	20.0	92	60-123
Methyl Acetate	8260C	22.3	20.0	112	31-122
Methyl tert-Butyl Ether	8260C	19.7	20.0	99	76-118
Methylcyclohexane	8260C	19.8	20.0	99	70-124
Naphthalene	8260C	19.0	20.0	95	68-127
Styrene	8260C	19.1	20.0	95	74-117
Tetrachloroethene (PCE)	8260C	18.0	20.0	90	58-124
Toluene	8260C	18.8	20.0	94	72-116
Trichloroethene (TCE)	8260C	18.0	20.0	90	69-118
Trichlorofluoromethane (CFC 11)	8260C	18.8	20.0	94	52-127
Vinyl Chloride	8260C	18.0	20.0	90	59-153
cis-1,2-Dichloroethene	8260C	19.9	20.0	99	79-113
cis-1,3-Dichloropropene	8260C	18.8	20.0	94	66-117
m,p-Xylenes	8260C	36.4	40.0	91	68-118
n-Butylbenzene	8260C	18.7	20.0	94	54-131
n-Propylbenzene	8260C	18.0	20.0	90	59-126
o-Xylene	8260C	18.5	20.0	92	71-116
sec-Butylbenzene	8260C	18.1	20.0	91	54-128
tert-Butylbenzene	8260C	17.7	20.0	89	58-123
trans-1,2-Dichloroethene	8260C	19.4	20.0	97	73-114
trans-1,3-Dichloropropene	8260C	18.1	20.0	90	57-135

Client: Day Environmental, Inc. **Service Request:**R1903959
Project: 32 York St/5598S-19 **Date Analyzed:**05/04/19 15:47

Tune Summary
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\MSVOA14\Data\050419\F6457.D\ **Analytical Method:** 8260C
Instrument ID: R-MS-14 **Analysis Lot:** 634334

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Result Pass/Fail
50	95	15	40	18.17	31773	Pass
75	95	30	60	49.01	85693	Pass
95	95	100	100	100.00	174841	Pass
96	95	5	9	6.29	10992	Pass
173	174	0	2	0.00	0	Pass
174	95	50	120	86.42	151093	Pass
175	174	5	9	7.21	10887	Pass
176	174	95	101	97.56	147408	Pass
177	176	5	9	6.20	9135	Pass

Sample Name	Lab Code	File ID:	Date Analyzed:	Q
Continuing Calibration Verification	RQ1904290-02	I:\ACQUDATA\MSVOA14\Data\050419\F6458.D\	05/04/19 16:31	
Lab Control Sample	RQ1904290-03	I:\ACQUDATA\MSVOA14\Data\050419\F6459.D\	05/04/19 17:01	
Method Blank	RQ1904290-04	I:\ACQUDATA\MSVOA14\Data\050419\F6461.D\	05/04/19 17:52	
TB-01-32 (1-2)	R1903959-001	I:\ACQUDATA\MSVOA14\Data\050419\F6464.D\	05/04/19 19:02	
TB-02-32 (2-3)	R1903959-004	I:\ACQUDATA\MSVOA14\Data\050419\F6465.D\	05/04/19 19:25	
TB-04-32 (1-4)	R1903959-009	I:\ACQUDATA\MSVOA14\Data\050419\F6466.D\	05/04/19 19:48	

Client: Day Environmental, Inc. **Service Request:**R1903959
Project: 32 York St/5598S-19 **Date Analyzed:**05/06/19 10:18

Tune Summary
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\msvoa12\Data\050619\P26400.D\ **Analytical Method:** 8260C
Instrument ID: R-MS-12 **Analysis Lot:** 634409

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Result Pass/Fail
50	95	15	40	16.08	26396	Pass
75	95	30	60	47.66	78224	Pass
95	95	100	100	100.00	164139	Pass
96	95	5	9	6.48	10630	Pass
173	174	0	2	0.50	725	Pass
174	95	50	120	88.36	145035	Pass
175	174	5	9	7.56	10958	Pass
176	174	95	101	97.80	141849	Pass
177	176	5	9	6.25	8870	Pass

Sample Name	Lab Code	File ID:	Date Analyzed:	Q
Continuing Calibration Verification	RQ1904174-02	I:\ACQUDATA\msvoa12\Data\050619\P26402.D\	05/06/19 11:32	
Lab Control Sample	RQ1904174-03	I:\ACQUDATA\msvoa12\Data\050619\P26403.D\	05/06/19 12:03	
Method Blank	RQ1904174-04	I:\ACQUDATA\msvoa12\Data\050619\P26405.D\	05/06/19 13:01	
TMW-01-32	R1903959-011	I:\ACQUDATA\msvoa12\Data\050619\P26417.D\	05/06/19 17:42	
TMW-02-32	R1903959-012	I:\ACQUDATA\msvoa12\Data\050619\P26418.D\	05/06/19 18:03	
TMW-04-32	R1903959-014	I:\ACQUDATA\msvoa12\Data\050619\P26419.D\	05/06/19 18:25	

Client: Day Environmental, Inc. **Service Request:**R1903959
Project: 32 York St/5598S-19 **Date Analyzed:**05/08/19 09:37

Tune Summary
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\msvoa10\data\050819\E0942.D\ **Analytical Method:** 8260C
Instrument ID: R-MS-10 **Analysis Lot:** 634768

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Result Pass/Fail
50	95	15	40	22.04	30517	Pass
75	95	30	60	51.49	71293	Pass
95	95	100	100	100.00	138464	Pass
96	95	5	9	6.95	9617	Pass
173	174	0	2	1.63	1782	Pass
174	95	50	120	78.96	109336	Pass
175	174	5	9	7.56	8271	Pass
176	174	95	101	98.12	107281	Pass
177	176	5	9	6.67	7158	Pass

Sample Name	Lab Code	File ID:	Date Analyzed:	Q
Continuing Calibration Verification	RQ1904434-02	I:\ACQUDATA\msvoa10\data\050819\E0943.D\	05/08/19 10:05	
Lab Control Sample	RQ1904434-03	I:\ACQUDATA\msvoa10\data\050819\E0944.D\	05/08/19 10:37	
Method Blank	RQ1904434-04	I:\ACQUDATA\msvoa10\data\050819\E0946.D\	05/08/19 11:26	
TMW-03-32	R1903959-013	I:\ACQUDATA\msvoa10\data\050819\E0955.D\	05/08/19 15:05	

Client: Day Environmental, Inc. **Service Request:**R1903959
Project: 32 York St/5598S-19 **Date Analyzed:**05/08/19 14:21

Tune Summary
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\MSVOA14\Data\050819\F6508.D\ **Analytical Method:** 8260C
Instrument ID: R-MS-14 **Analysis Lot:** 634784

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Result Pass/Fail
50	95	15	40	18.55	21993	Pass
75	95	30	60	48.55	57568	Pass
95	95	100	100	100.00	118565	Pass
96	95	5	9	6.48	7688	Pass
173	174	0	2	0.69	700	Pass
174	95	50	120	85.04	100827	Pass
175	174	5	9	7.46	7519	Pass
176	174	95	101	96.48	97280	Pass
177	176	5	9	6.17	5998	Pass

Sample Name	Lab Code	File ID:	Date Analyzed:	Q
Continuing Calibration Verification	RQ1904406-02	I:\ACQUDATA\MSVOA14\Data\050819\F6509.D\	05/08/19 14:57	
Lab Control Sample	RQ1904406-03	I:\ACQUDATA\MSVOA14\Data\050819\F6510.D\	05/08/19 15:28	
Method Blank	RQ1904406-04	I:\ACQUDATA\MSVOA14\Data\050819\F6512.D\	05/08/19 16:21	
TB-03-32 (7-8)	R1903959-007	I:\ACQUDATA\MSVOA14\Data\050819\F6519.D\	05/08/19 19:01	

Client: Day Environmental, Inc. **Service Request:**R1903959
Project: 32 York St/5598S-19 **Date Analyzed:**05/10/19 09:15

Tune Summary
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\msvoa10\data\051019\E0972.D\ **Analytical Method:** 8260C
Instrument ID: R-MS-10 **Analysis Lot:** 635063

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Result Pass/Fail
50	95	15	40	22.66	30413	Pass
75	95	30	60	51.52	69149	Pass
95	95	100	100	100.00	134213	Pass
96	95	5	9	6.20	8321	Pass
173	174	0	2	1.35	1365	Pass
174	95	50	120	75.43	101237	Pass
175	174	5	9	7.93	8029	Pass
176	174	95	101	100.05	101283	Pass
177	176	5	9	6.25	6329	Pass

Sample Name	Lab Code	File ID:	Date Analyzed:	Q
Continuing Calibration Verification	RQ1904436-02	I:\ACQUDATA\msvoa10\data\051019\E0973.D\	05/10/19 09:50	
Lab Control Sample	RQ1904436-03	I:\ACQUDATA\msvoa10\data\051019\E0977.D\	05/10/19 11:48	
Method Blank	RQ1904436-04	I:\ACQUDATA\msvoa10\data\051019\E0979.D\	05/10/19 12:34	
TB-03-32 (7-8)	R1903959-007	I:\ACQUDATA\msvoa10\data\051019\E0991.D\	05/10/19 17:19	

QA/QC Report

Client: Day Environmental, Inc. **Service Request:**R1903959
Project: 32 York St/5598S-19 **Date Analyzed:**05/04/19 16:31

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

File ID: I:\ACQUDATA\MSVOA14\Data\050419\F6458.D\ **Lab Code:**RQ1904290-02
Instrument ID: R-MS-14 **Analysis Lot:**634334
Analysis Method: 8260C **Signal ID:**1

		1,4-Dichlorobenzene-d4		1,4-Difluorobenzene		Chlorobenzene-d5	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Result ==>	300,350	11.73	646,142	5.94	565,661	9.58
	Upper Limit ==>	600,700	12.23	1,292,284	6.44	1,131,322	10.08
	Lower Limit ==>	150,175	11.23	323,071	5.44	282,831	9.08
Associated Analyses							
Lab Control Sample	RQ1904290-03	295721	11.73	666529	5.94	574470	9.58
Method Blank	RQ1904290-04	292426	11.73	667599	5.94	563661	9.58
TB-01-32 (1-2)	R1903959-001	217624	11.73	607661	5.94	504934	9.58
TB-02-32 (2-3)	R1903959-004	163278	11.73	546361	5.94	425472	9.58
TB-04-32 (1-4)	R1903959-009	174674	11.74	584615	5.94	470843	9.58

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QA/QC Report

Client: Day Environmental, Inc. **Service Request:**R1903959
Project: 32 York St/5598S-19 **Date Analyzed:**05/04/19 16:31

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

File ID: I:\ACQUDATA\MSVOA14\Data\050419\F6458.D\ **Lab Code:**RQ1904290-02
Instrument ID: R-MS-14 **Analysis Lot:**634334
Analysis Method: 8260C **Signal ID:**1

		Pentafluorobenzene	
		Area	**RT**
	Result ==>	411,597	4.69
	Upper Limit ==>	823,194	5.19
	Lower Limit ==>	205,799	4.19
Associated Analyses			
Lab Control Sample	RQ1904290-03	420403	4.69
Method Blank	RQ1904290-04	406975	4.69
TB-01-32 (1-2)	R1903959-001	389676	4.69
TB-02-32 (2-3)	R1903959-004	352688	4.69
TB-04-32 (1-4)	R1903959-009	366776	4.69

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QA/QC Report

Client: Day Environmental, Inc. **Service Request:**R1903959
Project: 32 York St/5598S-19 **Date Analyzed:**05/06/19 11:32

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

File ID: I:\ACQUDATA\msvoa12\Data\050619\P26402.D\ **Lab Code:**RQ1904174-02
Instrument ID: R-MS-12 **Analysis Lot:**634409
Analysis Method: 8260C **Signal ID:**1

		1,4-Dichlorobenzene-d4		1,4-Difluorobenzene		Chlorobenzene-d5	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Result ==>	345,414	11.84	570,206	6.49	524,251	9.79
	Upper Limit ==>	690,828	12.34	1,140,412	6.99	1,048,502	10.29
	Lower Limit ==>	172,707	11.34	285,103	5.99	262,126	9.29
Associated Analyses							
Lab Control Sample	RQ1904174-03	276261	11.84	552366	6.49	494023	9.79
Method Blank	RQ1904174-04	240777	11.84	505616	6.49	454074	9.79
TMW-01-32	R1903959-011	226756	11.84	477780	6.49	425801	9.79
TMW-02-32	R1903959-012	239040	11.84	484873	6.49	437071	9.79
TMW-04-32	R1903959-014	242975	11.84	492577	6.49	441061	9.79

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Day Environmental, Inc. **Service Request:**R1903959
Project: 32 York St/5598S-19 **Date Analyzed:**05/06/19 11:32

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

File ID: I:\ACQUDATA\msvoa12\Data\050619\P26402.D\ **Lab Code:**RQ1904174-02
Instrument ID: R-MS-12 **Analysis Lot:**634409
Analysis Method: 8260C **Signal ID:**1

		Pentafluorobenzene	
		Area	**RT**
	Result ==>	397,908	5.40
	Upper Limit ==>	795,816	5.90
	Lower Limit ==>	198,954	4.90
Associated Analyses			
Lab Control Sample	RQ1904174-03	389114	5.41
Method Blank	RQ1904174-04	349136	5.41
TMW-01-32	R1903959-011	319692	5.41
TMW-02-32	R1903959-012	327824	5.41
TMW-04-32	R1903959-014	341717	5.40

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QA/QC Report

Client: Day Environmental, Inc. **Service Request:**R1903959
Project: 32 York St/5598S-19 **Date Analyzed:**05/08/19 10:05

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

File ID: I:\ACQUDATA\msvoa10\data\050819\E0943.D\ **Lab Code:**RQ1904434-02
Instrument ID: R-MS-10 **Analysis Lot:**634768
Analysis Method: 8260C **Signal ID:**1

		1,4-Dichlorobenzene-d4		1,4-Difluorobenzene		Chlorobenzene-d5	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Result ==>	191,096	11.85	405,131	6.49	355,537	9.80
	Upper Limit ==>	382,192	12.35	810,262	6.99	711,074	10.30
	Lower Limit ==>	95,548	11.35	202,566	5.99	177,769	9.30
Associated Analyses							
Lab Control Sample	RQ1904434-03	186995	11.85	409528	6.49	361597	9.80
Method Blank	RQ1904434-04	180056	11.85	414200	6.49	354893	9.80
TMW-03-32	R1903959-013	172804	11.85	387147	6.49	337179	9.80

Client: Day Environmental, Inc. **Service Request:** R1903959
Project: 32 York St/5598S-19 **Date Analyzed:** 05/08/19 10:05

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

File ID: I:\ACQUDATA\msvoa10\data\050819\E0943.D\ **Lab Code:** RQ1904434-02
Instrument ID: R-MS-10 **Analysis Lot:** 634768
Analysis Method: 8260C **Signal ID:** 1

		Pentafluorobenzene	
		Area	**RT**
	Result ==>	255,362	5.39
	Upper Limit ==>	510,724	5.89
	Lower Limit ==>	127,681	4.89
Associated Analyses			
Lab Control Sample	RQ1904434-03	260446	5.38
Method Blank	RQ1904434-04	263257	5.39
TMW-03-32	R1903959-013	244706	5.39

Client: Day Environmental, Inc. **Service Request:** R1903959
Project: 32 York St/5598S-19 **Date Analyzed:** 05/08/19 14:57

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

File ID: I:\ACQUDATA\MSVOA14\Data\050819\F6509.D\ **Lab Code:** RQ1904406-02
Instrument ID: R-MS-14 **Analysis Lot:** 634784
Analysis Method: 8260C **Signal ID:** 1

		1,4-Dichlorobenzene-d4		1,4-Difluorobenzene		Chlorobenzene-d5	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Result ==>	194,563	11.73	419,413	5.94	370,392	9.58
	Upper Limit ==>	389,126	12.23	838,826	6.44	740,784	10.08
	Lower Limit ==>	97,282	11.23	209,707	5.44	185,196	9.08
Associated Analyses							
Lab Control Sample	RQ1904406-03	188592	11.74	392788	5.93	345675	9.58
Method Blank	RQ1904406-04	177359	11.74	370990	5.94	326173	9.58
TB-03-32 (7-8)	R1903959-007	172101	11.74	354887	5.94	303185	9.58

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QA/QC Report

Client: Day Environmental, Inc. **Service Request:**R1903959
Project: 32 York St/5598S-19 **Date Analyzed:**05/08/19 14:57

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

File ID: I:\ACQUDATA\MSVOA14\Data\050819\F6509.D\ **Lab Code:**RQ1904406-02
Instrument ID: R-MS-14 **Analysis Lot:**634784
Analysis Method: 8260C **Signal ID:**1

		Pentafluorobenzene	
		Area	**RT**
	Result ==>	274,395	4.69
	Upper Limit ==>	548,790	5.19
	Lower Limit ==>	137,198	4.19
Associated Analyses			
Lab Control Sample	RQ1904406-03	251837	4.68
Method Blank	RQ1904406-04	238008	4.68
TB-03-32 (7-8)	R1903959-007	232115	4.68

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QA/QC Report

Client: Day Environmental, Inc. **Service Request:**R1903959
Project: 32 York St/5598S-19 **Date Analyzed:**05/10/19 09:50

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

File ID: I:\ACQUDATA\msvoa10\data\051019\E0973.D\ **Lab Code:**RQ1904436-02
Instrument ID: R-MS-10 **Analysis Lot:**635063
Analysis Method: 8260C **Signal ID:**1

		1,4-Dichlorobenzene-d4		1,4-Difluorobenzene		Chlorobenzene-d5	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Result ==>	202,021	11.85	423,955	6.49	380,191	9.80
	Upper Limit ==>	404,042	12.35	847,910	6.99	760,382	10.30
	Lower Limit ==>	101,011	11.35	211,978	5.99	190,096	9.30
Associated Analyses							
Lab Control Sample	RQ1904436-03	192049	11.85	386060	6.49	342196	9.80
Method Blank	RQ1904436-04	187300	11.85	389709	6.48	343842	9.80
TB-03-32 (7-8)	R1903959-007	181626	11.85	383237	6.49	332168	9.80

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QA/QC Report

Client: Day Environmental, Inc. **Service Request:**R1903959
Project: 32 York St/5598S-19 **Date Analyzed:**05/10/19 09:50

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

File ID: I:\ACQUDATA\msvoa10\data\051019\E0973.D\ **Lab Code:**RQ1904436-02
Instrument ID: R-MS-10 **Analysis Lot:**635063
Analysis Method: 8260C **Signal ID:**1

		Pentafluorobenzene	
		Area	**RT**
	Result ==>	269,422	5.38
	Upper Limit ==>	538,844	5.88
	Lower Limit ==>	134,711	4.88
Associated Analyses			
Lab Control Sample	RQ1904436-03	242189	5.38
Method Blank	RQ1904436-04	245763	5.38
TB-03-32 (7-8)	R1903959-007	236648	5.38

Semivolatile 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: Day Environmental, Inc. **Service Request:** R1903959
Project: 32 York St/5598S-19
Sample Matrix: Soil

SURROGATE RECOVERY SUMMARY
Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Extraction Method: EPA 3541

Sample Name	Lab Code	2,4,6-Tribromophenol 10-109	2-Fluorobiphenyl 10-102	2-Fluorophenol 10-88
TB-01-32 (2-3)	R1903959-002	28	23	18
TB-02-32 (4-5)	R1903959-006	35	26	26
TB-03-32 (5-7)	R1903959-008	41	28	27
TB-04-32 (4-5)	R1903959-010	40	26	20
Method Blank	RQ1904142-05	50	44	40
Lab Control Sample	RQ1904142-06	50	44	40
Duplicate Lab Control Sample	RQ1904142-07	49	40	36

Client: Day Environmental, Inc. **Service Request:** R1903959
Project: 32 York St/5598S-19
Sample Matrix: Soil

SURROGATE RECOVERY SUMMARY
Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Extraction Method: EPA 3541

Sample Name	Lab Code	Nitrobenzene-d5 10-95	Phenol-d6 10-145	Terphenyl-d14 10-106
TB-01-32 (2-3)	R1903959-002	21	20	35
TB-02-32 (4-5)	R1903959-006	27	25	43
TB-03-32 (5-7)	R1903959-008	28	27	51
TB-04-32 (4-5)	R1903959-010	21	22	41
Method Blank	RQ1904142-05	41	40	51
Lab Control Sample	RQ1904142-06	43	39	48
Duplicate Lab Control Sample	RQ1904142-07	38	34	50

Client:	Day Environmental, Inc.	**Service Request:**	R1903959
Project:	32 York St/5598S-19	**Date Analyzed:**	05/07/19 16:23
Sample Matrix:	Soil	**Date Extracted:**	05/06/19

Method Blank Summary
Semivolatile Organic Compounds by GC/MS

Sample Name:	Method Blank	**Instrument ID:**	R-MS-54
Lab Code:	RQ1904142-05	**File ID:**	I:\ACQUDATA\5973D\Data\050719\BR670.D\
Analysis Method:	8270D	**Analysis Lot:**	634539,634837,635338
Prep Method:	EPA 3541	**Extraction Lot:**	335967

This Method Blank applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Lab Control Sample	RQ1904142-06	I:\ACQUDATA\5973D\Data\050719\BR671.D\	05/07/19 16:52
Duplicate Lab Control Sample	RQ1904142-07	I:\ACQUDATA\5973D\Data\050719\BR672.D\	05/07/19 17:20
TB-01-32 (2-3)	R1903959-002	I:\ACQUDATA\5973D\Data\050719\BR684.D\	05/07/19 23:04
TB-02-32 (4-5)	R1903959-006	I:\ACQUDATA\5973D\Data\050719\BR685.D\	05/07/19 23:32
TB-03-32 (5-7)	R1903959-008	I:\ACQUDATA\5973D\Data\050719\BR686.D\	05/08/19 00:01
TB-04-32 (4-5)	R1903959-010	I:\ACQUDATA\5973D\Data\050719\BR687.D\	05/08/19 00:29
Method Detection Limit Verification	RQ1904142-01	I:\ACQUDATA\5973D\Data\050819\BR705.D\	05/08/19 13:50
Method Detection Limit Verification	RQ1904142-01	I:\ACQUDATA\5973D\Data\050819\BR706.D\	05/08/19 14:19
Method Detection Limit Verification	RQ1904142-02	I:\ACQUDATA\5973A\DATA\051319\DS016.D\	05/13/19 15:51
Method Detection Limit Verification	RQ1904142-02	I:\ACQUDATA\5973A\DATA\051319\DS017.D\	05/13/19 16:20

Analytical Report

Client:	Day Environmental, Inc.	**Service Request:**	R1903959
Project:	32 York St/5598S-19	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/Kg
Lab Code:	RQ1904142-05	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3541

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	96 U	330	96	1	05/07/19 16:23	5/6/19	
2,3,4,6-Tetrachlorophenol	82 U	330	82	1	05/07/19 16:23	5/6/19	
2,4,5-Trichlorophenol	82 U	330	82	1	05/07/19 16:23	5/6/19	
2,4,6-Trichlorophenol	86 U	330	86	1	05/07/19 16:23	5/6/19	
2,4-Dichlorophenol	68 U	330	68	1	05/07/19 16:23	5/6/19	
2,4-Dimethylphenol	63 U	330	63	1	05/07/19 16:23	5/6/19	
2,4-Dinitrophenol	62 U	1700	62	1	05/07/19 16:23	5/6/19	
2,4-Dinitrotoluene	86 U	330	86	1	05/07/19 16:23	5/6/19	
2,6-Dinitrotoluene	120 U	330	120	1	05/07/19 16:23	5/6/19	
2-Chloronaphthalene	73 U	330	73	1	05/07/19 16:23	5/6/19	
2-Chlorophenol	80 U	330	80	1	05/07/19 16:23	5/6/19	
2-Methylnaphthalene	74 U	330	74	1	05/07/19 16:23	5/6/19	
2-Methylphenol	80 U	330	80	1	05/07/19 16:23	5/6/19	
2-Nitroaniline	95 U	1700	95	1	05/07/19 16:23	5/6/19	
2-Nitrophenol	75 U	330	75	1	05/07/19 16:23	5/6/19	
3,3'-Dichlorobenzidine	110 U	330	110	1	05/07/19 16:23	5/6/19	
3- and 4-Methylphenol Coelution	83 U	330	83	1	05/07/19 16:23	5/6/19	
3-Nitroaniline	72 U	1700	72	1	05/07/19 16:23	5/6/19	
4,6-Dinitro-2-methylphenol	72 U	1700	72	1	05/07/19 16:23	5/6/19	
4-Bromophenyl Phenyl Ether	94 U	330	94	1	05/07/19 16:23	5/6/19	
4-Chloro-3-methylphenol	75 U	330	75	1	05/07/19 16:23	5/6/19	
4-Chloroaniline	40 U	330	40	1	05/07/19 16:23	5/6/19	
4-Chlorophenyl Phenyl Ether	79 U	330	79	1	05/07/19 16:23	5/6/19	
4-Nitroaniline	73 U	1700	73	1	05/07/19 16:23	5/6/19	
4-Nitrophenol	200 U	1700	200	1	05/07/19 16:23	5/6/19	
Acenaphthene	73 U	330	73	1	05/07/19 16:23	5/6/19	
Acenaphthylene	68 U	330	68	1	05/07/19 16:23	5/6/19	
Acetophenone	77 U	330	77	1	05/07/19 16:23	5/6/19	
Anthracene	64 U	330	64	1	05/07/19 16:23	5/6/19	
Atrazine	89 U	330	89	1	05/07/19 16:23	5/6/19	
Benz(a)anthracene	58 U	330	58	1	05/07/19 16:23	5/6/19	
Benzaldehyde	79 U	1700	79	1	05/07/19 16:23	5/6/19	
Benzo(a)pyrene	67 U	330	67	1	05/07/19 16:23	5/6/19	
Benzo(b)fluoranthene	60 U	330	60	1	05/07/19 16:23	5/6/19	
Benzo(g,h,i)perylene	75 U	330	75	1	05/07/19 16:23	5/6/19	
Benzo(k)fluoranthene	74 U	330	74	1	05/07/19 16:23	5/6/19	
Biphenyl	77 U	330	77	1	05/07/19 16:23	5/6/19	
2,2'-Oxybis(1-chloropropane)	81 U	330	81	1	05/07/19 16:23	5/6/19	
Bis(2-chloroethoxy)methane	76 U	330	76	1	05/07/19 16:23	5/6/19	
Bis(2-chloroethyl) Ether	60 U	330	60	1	05/07/19 16:23	5/6/19	
Bis(2-ethylhexyl) Phthalate	460 U	500	460	1	05/07/19 16:23	5/6/19	
Butyl Benzyl Phthalate	63 U	330	63	1	05/07/19 16:23	5/6/19	
Caprolactam	74 U	330	74	1	05/07/19 16:23	5/6/19	

Analytical Report

Client:	Day Environmental, Inc.	**Service Request:**	R1903959
Project:	32 York St/5598S-19	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/Kg
Lab Code:	RQ1904142-05	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3541

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	82 U	330	82	1	05/07/19 16:23	5/6/19	
Chrysene	65 U	330	65	1	05/07/19 16:23	5/6/19	
Di-n-butyl Phthalate	110 U	330	110	1	05/07/19 16:23	5/6/19	
Di-n-octyl Phthalate	99 U	330	99	1	05/07/19 16:23	5/6/19	
Dibenz(a,h)anthracene	60 U	330	60	1	05/07/19 16:23	5/6/19	
Dibenzofuran	68 U	330	68	1	05/07/19 16:23	5/6/19	
Diethyl Phthalate	180 U	330	180	1	05/07/19 16:23	5/6/19	
Dimethyl Phthalate	91 U	330	91	1	05/07/19 16:23	5/6/19	
Fluoranthene	78 U	330	78	1	05/07/19 16:23	5/6/19	
Fluorene	83 U	330	83	1	05/07/19 16:23	5/6/19	
Hexachlorobenzene	77 U	330	77	1	05/07/19 16:23	5/6/19	
Hexachlorobutadiene	56 U	330	56	1	05/07/19 16:23	5/6/19	
Hexachlorocyclopentadiene	55 U	330	55	1	05/07/19 16:23	5/6/19	
Hexachloroethane	58 U	330	58	1	05/07/19 16:23	5/6/19	
Indeno(1,2,3-cd)pyrene	73 U	330	73	1	05/07/19 16:23	5/6/19	
Isophorone	71 U	330	71	1	05/07/19 16:23	5/6/19	
N-Nitrosodi-n-propylamine	60 U	330	60	1	05/07/19 16:23	5/6/19	
N-Nitrosodiphenylamine	150 U	330	150	1	05/07/19 16:23	5/6/19	
Naphthalene	68 U	330	68	1	05/07/19 16:23	5/6/19	
Nitrobenzene	68 U	330	68	1	05/07/19 16:23	5/6/19	
Pentachlorophenol (PCP)	110 U	1700	110	1	05/07/19 16:23	5/6/19	
Phenanthrene	69 U	330	69	1	05/07/19 16:23	5/6/19	
Phenol	72 U	330	72	1	05/07/19 16:23	5/6/19	
Pyrene	65 U	330	65	1	05/07/19 16:23	5/6/19	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	50	10 - 109	05/07/19 16:23	
2-Fluorobiphenyl	44	10 - 102	05/07/19 16:23	
2-Fluorophenol	40	10 - 88	05/07/19 16:23	
Nitrobenzene-d5	41	10 - 95	05/07/19 16:23	
Phenol-d6	40	10 - 145	05/07/19 16:23	
Terphenyl-d14	51	10 - 106	05/07/19 16:23	

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Client:	Day Environmental, Inc.	**Service Request:**	R1903959
Project:	32 York St/5598S-19	**Date Analyzed:**	05/07/19 16:52
Sample Matrix:	Soil	**Date Extracted:**	05/06/19

Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS

Sample Name:	Lab Control Sample	**Instrument ID:**	R-MS-54
Lab Code:	RQ1904142-06	**File ID:**	I:\ACQUDATA\5973D\Data\050719\BR671.D\
Analysis Method:	8270D	**Analysis Lot:**	634539,634837,635338
Prep Method:	EPA 3541	**Extraction Lot:**	335967

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Method Blank	RQ1904142-05	I:\ACQUDATA\5973D\Data\050719\BR670.D\	05/07/19 16:23
Duplicate Lab Control Sample	RQ1904142-07	I:\ACQUDATA\5973D\Data\050719\BR672.D\	05/07/19 17:20
TB-01-32 (2-3)	R1903959-002	I:\ACQUDATA\5973D\Data\050719\BR684.D\	05/07/19 23:04
TB-02-32 (4-5)	R1903959-006	I:\ACQUDATA\5973D\Data\050719\BR685.D\	05/07/19 23:32
TB-03-32 (5-7)	R1903959-008	I:\ACQUDATA\5973D\Data\050719\BR686.D\	05/08/19 00:01
TB-04-32 (4-5)	R1903959-010	I:\ACQUDATA\5973D\Data\050719\BR687.D\	05/08/19 00:29
Method Detection Limit Verification	RQ1904142-01	I:\ACQUDATA\5973D\Data\050819\BR705.D\	05/08/19 13:50
Method Detection Limit Verification	RQ1904142-01	I:\ACQUDATA\5973D\Data\050819\BR706.D\	05/08/19 14:19
Method Detection Limit Verification	RQ1904142-02	I:\ACQUDATA\5973A\DATA\051319\DS016.D\	05/13/19 15:51
Method Detection Limit Verification	RQ1904142-02	I:\ACQUDATA\5973A\DATA\051319\DS017.D\	05/13/19 16:20

Client:	Day Environmental, Inc.	**Service Request:**	R1903959
Project:	32 York St/5598S-19	**Date Analyzed:**	NA
Sample Matrix:	Soil		

Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS

Sample Name: **Instrument ID:**

Lab Code: **File ID:**

Analysis Method: 8270D **Analysis Lot:**634539,634837,635338

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Method Blank	RQ1904520-05	I:\ACQUDATA\5973A\DATA\051319\DS015.D\	05/13/19 15:21

Client: Day Environmental, Inc.
Project: 32 York St/5598S-19
Sample Matrix: Soil

Service Request: R1903959
Date Analyzed: 05/07/19

Duplicate Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS

Units:ug/Kg
Basis: Dry

		Lab Control Sample			Duplicate Lab Control Sample					
		RQ1904142-06			RQ1904142-07					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
1,2,4,5-Tetrachlorobenzene	8270D	768	1670	46	666	1670	40	10-115	14	30
2,3,4,6-Tetrachlorophenol	8270D	705	1670	42	746	1670	45	29-100	7	30
2,4,5-Trichlorophenol	8270D	772	1670	46	712	1670	43	29-97	7	30
2,4,6-Trichlorophenol	8270D	840	1670	50	743	1670	45	26-97	11	30
2,4-Dichlorophenol	8270D	785	1670	47	703	1670	42	25-90	11	30
2,4-Dimethylphenol	8270D	808	1670	48	743	1670	45	26-89	6	30
2,4-Dinitrophenol	8270D	306 J	1670	18	331 J	1670	20	10-128	11	30
2,4-Dinitrotoluene	8270D	780	1670	47	771	1670	46	30-111	2	30
2,6-Dinitrotoluene	8270D	821	1670	49	807	1670	48	28-105	2	30
2-Chloronaphthalene	8270D	782	1670	47	676	1670	41	21-88	14	30
2-Chlorophenol	8270D	736	1670	44	618	1670	37	18-87	17	30
2-Methylnaphthalene	8270D	682	1670	41	650	1670	39	21-83	5	30
2-Methylphenol	8270D	738	1670	44	620	1670	37	22-86	17	30
2-Nitroaniline	8270D	796 J	1670	48	793 J	1670	48	27-105	<1	30
2-Nitrophenol	8270D	693	1670	42	644	1670	39	20-88	7	30
3- and 4-Methylphenol Coelution	8270D	640	1670	38	566	1670	34	27-92	11	30
3-Nitroaniline	8270D	657 J	1670	39	740 J	1670	44	27-98	12	30
4,6-Dinitro-2-methylphenol	8270D	476 J	1670	29	574 J	1670	34	11-96	16	30
4-Bromophenyl Phenyl Ether	8270D	1000	1670	60	930	1670	56	25-96	7	30
4-Chloro-3-methylphenol	8270D	811	1670	49	782	1670	47	29-92	4	30
4-Chloroaniline	8270D	515	1670	31	614	1670	37	21-72	18	30
4-Chlorophenyl Phenyl Ether	8270D	874	1670	52	812	1670	49	25-92	6	30
4-Nitroaniline	8270D	785 J	1670	47	823 J	1670	49	27-102	4	30
4-Nitrophenol	8270D	861 J	1670	52	987 J	1670	59	10-130	13	30
Acenaphthene	8270D	741	1670	44	706	1670	42	25-92	5	30
Acenaphthylene	8270D	805	1670	48	760	1670	46	27-93	4	30
Acetophenone	8270D	1240	3330	37	1090	3330	33	23-87	11	30
Anthracene	8270D	904	1670	54	908	1670	54	32-106	<1	30
Benz(a)anthracene	8270D	925	1670	56	991	1670	59	33-109	5	30
Benzo(a)pyrene	8270D	998	1670	60	1050	1670	63	34-115	5	30
Benzo(b)fluoranthene	8270D	849	1670	51	893	1670	54	31-107	6	30
Benzo(g,h,i)perylene	8270D	1190	1670	72	1240	1670	75	30-127	4	30
Benzo(k)fluoranthene	8270D	936	1670	56	1000	1670	60	34-111	7	30

Client: Day Environmental, Inc. **Service Request:** R1903959
Project: 32 York St/5598S-19 **Date Analyzed:** 05/07/19
Sample Matrix: Soil

Duplicate Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS

Units:ug/Kg
Basis: Dry

		Lab Control Sample			Duplicate Lab Control Sample					
		RQ1904142-06			RQ1904142-07					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Biphenyl	8270D	686	1670	41	644	1670	39	26-88	5	30
2,2'-Oxybis(1-chloropropane)	8270D	897	1670	54	771	1670	46	10-82	16	30
Bis(2-chloroethoxy)methane	8270D	775	1670	47	689	1670	41	17-85	14	30
Bis(2-chloroethyl) Ether	8270D	785	1670	47	655	1670	39	10-79	19	30
Bis(2-ethylhexyl) Phthalate	8270D	900	1670	54	949	1670	57	31-115	5	30
Butyl Benzyl Phthalate	8270D	928	1670	56	1000	1670	60	31-115	7	30
Caprolactam	8270D	796	1670	48	819	1670	49	28-99	2	30
Carbazole	8270D	933	1670	56	983	1670	59	23-129	5	30
Chrysene	8270D	964	1670	58	983	1670	59	34-108	2	30
Di-n-butyl Phthalate	8270D	917	1670	55	969	1670	58	33-114	5	30
Di-n-octyl Phthalate	8270D	895	1670	54	938	1670	56	32-116	4	30
Dibenz(a,h)anthracene	8270D	755	1670	45	847	1670	51	23-122	13	30
Dibenzofuran	8270D	785	1670	47	766	1670	46	27-94	2	30
Diethyl Phthalate	8270D	775	1670	47	770	1670	46	26-101	2	30
Dimethyl Phthalate	8270D	810	1670	49	783	1670	47	27-98	4	30
Fluoranthene	8270D	942	1670	57	1010	1670	61	34-111	7	30
Fluorene	8270D	804	1670	48	784	1670	47	27-95	2	30
Hexachlorobenzene	8270D	881	1670	53	909	1670	55	30-104	4	30
Hexachlorobutadiene	8270D	789	1670	47	748	1670	45	10-142	4	30
Hexachlorocyclopentadiene	8270D	520	1670	31	462	1670	28	10-133	10	30
Hexachloroethane	8270D	702	1670	42	615	1670	37	10-129	13	30
Indeno(1,2,3-cd)pyrene	8270D	964	1670	58	1030	1670	62	33-121	7	30
Isophorone	8270D	750	1670	45	685	1670	41	21-79	9	30
N-Nitrosodi-n-propylamine	8270D	700	1670	42	588	1670	35	15-78	18	30
N-Nitrosodiphenylamine	8270D	970	1670	58	991	1670	59	29-108	2	30
Naphthalene	8270D	697	1670	42	614	1670	37	18-81	13	30
Nitrobenzene	8270D	761	1670	46	660	1670	40	14-80	14	30
Pentachlorophenol (PCP)	8270D	600 J	1670	36	665 J	1670	40	13-117	11	30
Phenanthrene	8270D	854	1670	51	859	1670	52	33-103	2	30
Phenol	8270D	714	1670	43	637	1670	38	10-144	12	30
Pyrene	8270D	893	1670	54	936	1670	56	33-111	4	30

Client: Day Environmental, Inc. **Service Request:**R1903959
Project: 32 York St/5598S-19 **Date Analyzed:**05/07/19 12:42

Tune Summary
Semivolatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\5973D\Data\050719\BR662.D\ **Analytical Method:** 8270D
Instrument ID: R-MS-54 **Analysis Lot:** 634539

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Result Pass/Fail
51	198	10	80	39.35	23101	Pass
68	69	0.00	2	0.59	157	Pass
69	198	0.00	100	45.24	26560	Pass
70	69	0.00	2	0.00	0	Pass
127	198	10	80	54.53	32014	Pass
197	198	0.00	2	0.69	406	Pass
198	198	100	100	100.00	58705	Pass
199	198	5	9	7.53	4422	Pass
275	198	10	60	27.98	16428	Pass
365	198	1	100	5.84	3430	Pass
441	442	0.01	24	17.32	11948	Pass
442	442	100	100	100.00	68973	Pass
443	442	15	24	20.17	13914	Pass

Sample Name	Lab Code	File ID:	Date Analyzed:	Q
Continuing Calibration Verification	RQ1904287-05	I:\ACQUDATA\5973D\Data\050719\BR663.D\	05/07/19 13:01	
Method Blank	RQ1904142-05	I:\ACQUDATA\5973D\Data\050719\BR670.D\	05/07/19 16:23	
Lab Control Sample	RQ1904142-06	I:\ACQUDATA\5973D\Data\050719\BR671.D\	05/07/19 16:52	
Duplicate Lab Control Sample	RQ1904142-07	I:\ACQUDATA\5973D\Data\050719\BR672.D\	05/07/19 17:20	
TB-01-32 (2-3)	R1903959-002	I:\ACQUDATA\5973D\Data\050719\BR684.D\	05/07/19 23:04	
TB-02-32 (4-5)	R1903959-006	I:\ACQUDATA\5973D\Data\050719\BR685.D\	05/07/19 23:32	
TB-03-32 (5-7)	R1903959-008	I:\ACQUDATA\5973D\Data\050719\BR686.D\	05/08/19 00:01	
TB-04-32 (4-5)	R1903959-010	I:\ACQUDATA\5973D\Data\050719\BR687.D\	05/08/19 00:29	

Client: Day Environmental, Inc. **Service Request:**R1903959
Project: 32 York St/5598S-19 **Date Analyzed:**05/08/19 07:49

Tune Summary
Semivolatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\5973D\Data\050819\BR692.D\ **Analytical Method:** 8270D
Instrument ID: R-MS-54 **Analysis Lot:** 634837

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Result Pass/Fail
51	198	10	80	40.91	23054	Pass
68	69	0.00	2	1.98	562	Pass
69	198	0.00	100	50.43	28419	Pass
70	69	0.00	2	0.67	190	Pass
127	198	10	80	50.77	28608	Pass
197	198	0.00	2	0.87	489	Pass
198	198	100	100	100.00	56352	Pass
199	198	5	9	7.01	3952	Pass
275	198	10	60	27.82	15679	Pass
365	198	1	100	7.50	4229	Pass
441	442	0.01	24	16.76	10554	Pass
442	442	100	100	100.00	62983	Pass
443	442	15	24	17.40	10961	Pass

Sample Name	Lab Code	File ID:	Date Analyzed:	Q
Continuing Calibration Verification	RQ1904331-02	I:\ACQUDATA\5973D\Data\050819\BR693.D\	05/08/19 08:09	
Method Detection Limit Verification	RQ1904142-01	I:\ACQUDATA\5973D\Data\050819\BR705.D\	05/08/19 13:50	
Method Detection Limit Verification	RQ1904142-01	I:\ACQUDATA\5973D\Data\050819\BR706.D\	05/08/19 14:19	

Client: Day Environmental, Inc. **Service Request:**R1903959
Project: 32 York St/5598S-19 **Date Analyzed:**05/13/19 08:13

Tune Summary
Semivolatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\5973A\DATA\051319\DS001.D\ **Analytical Method:** 8270D
Instrument ID: R-MS-51 **Analysis Lot:** 635338

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Result Pass/Fail
51	198	10	80	45.26	69158	Pass
68	69	0.00	2	0.00	0	Pass
69	198	0.00	100	49.54	75692	Pass
70	69	0.00	2	0.07	54	Pass
127	198	10	80	54.10	82654	Pass
197	198	0.00	2	0.00	0	Pass
198	198	100	100	100.00	152792	Pass
199	198	5	9	7.15	10921	Pass
275	198	10	60	19.81	30272	Pass
365	198	1	100	2.42	3701	Pass
441	442	0.01	24	18.91	17704	Pass
442	442	100	100	100.00	93616	Pass
443	442	15	24	20.14	18856	Pass

Sample Name	Lab Code	File ID:	Date Analyzed:	Q
Continuing Calibration Verification	RQ1904520-04	I:\ACQUDATA\5973A\DATA\051319\DS002.D\	05/13/19 08:41	
Method Blank	RQ1904520-05	I:\ACQUDATA\5973A\DATA\051319\DS015.D\	05/13/19 15:21	
Method Detection Limit Verification	RQ1904142-02	I:\ACQUDATA\5973A\DATA\051319\DS016.D\	05/13/19 15:51	
Method Detection Limit Verification	RQ1904142-02	I:\ACQUDATA\5973A\DATA\051319\DS017.D\	05/13/19 16:20	

Client: Day Environmental, Inc. **Service Request:**R1903959
Project: 32 York St/5598S-19 **Date Analyzed:**05/07/19 13:01

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

File ID: I:\ACQUDATA\5973D\Data\050719\BR663.D\ **Lab Code:**RQ1904287-05
Instrument ID: R-MS-54 **Analysis Lot:**634539
Analysis Method: 8270D **Signal ID:**1

		1,4-Dichlorobenzene-d4		Acenaphthene-d10		Chrysene-d12	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Result ==>	76,788	4.47	167,963	7.34	312,176	11.89
	Upper Limit ==>	153,576	4.97	335,926	7.84	624,352	12.39
	Lower Limit ==>	38,394	3.97	83,982	6.84	156,088	11.39
Associated Analyses							
Method Blank	RQ1904142-05	70521	4.47	155064	7.34	278668	11.88
Lab Control Sample	RQ1904142-06	75907	4.48	164222	7.34	293072	11.88
Duplicate Lab Control Sample	RQ1904142-07	72086	4.47	155022	7.34	287953	11.88
TB-01-32 (2-3)	R1903959-002	74329	4.48	164677	7.34	294249	11.89
TB-02-32 (4-5)	R1903959-006	60888	4.48	141398	7.34	258268	11.89
TB-03-32 (5-7)	R1903959-008	70793	4.48	150658	7.34	277092	11.89
TB-04-32 (4-5)	R1903959-010	71320	4.48	152289	7.34	282803	11.89

Client: Day Environmental, Inc. **Service Request:** R1903959
Project: 32 York St/5598S-19 **Date Analyzed:** 05/07/19 13:01

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

File ID: I:\ACQUDATA\5973D\Data\050719\BR663.D\ **Lab Code:** RQ1904287-05
Instrument ID: R-MS-54 **Analysis Lot:** 634539
Analysis Method: 8270D **Signal ID:** 1

		Naphthalene-d8		Perylene-d12		Phenanthrene-d10	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Result ==>	288,118	5.64	326,249	14.65	303,213	8.80
	Upper Limit ==>	576,236	6.14	652,498	15.15	606,426	9.30
	Lower Limit ==>	144,059	5.14	163,125	14.15	151,607	8.30
Associated Analyses							
Method Blank	RQ1904142-05	261768	5.64	310975	14.65	278083	8.80
Lab Control Sample	RQ1904142-06	285567	5.64	317085	14.65	264991	8.80
Duplicate Lab Control Sample	RQ1904142-07	267482	5.64	307760	14.65	254435	8.80
TB-01-32 (2-3)	R1903959-002	275277	5.64	287703	14.68	292886	8.80
TB-02-32 (4-5)	R1903959-006	232417	5.64	259511	14.68	246452	8.80
TB-03-32 (5-7)	R1903959-008	255062	5.64	274599	14.68	273527	8.80
TB-04-32 (4-5)	R1903959-010	259830	5.64	271049	14.68	275650	8.80

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Day Environmental, Inc. **Service Request:**R1903959
Project: 32 York St/5598S-19 **Date Analyzed:**05/08/19 08:09

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

File ID: I:\ACQUDATA\5973D\Data\050819\BR693.D\ **Lab Code:**RQ1904331-02
Instrument ID: R-MS-54 **Analysis Lot:**634837
Analysis Method: 8270D **Signal ID:**1

		1,4-Dichlorobenzene-d4		Acenaphthene-d10		Chrysene-d12	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
Result ==>		59,292	4.48	128,261	7.34	255,877	11.90
Upper Limit ==>		118,584	4.98	256,522	7.84	511,754	12.40
Lower Limit ==>		29,646	3.98	64,131	6.84	127,939	11.40
Associated Analyses							
Method Detection Limit Verification	RQ1904142-01	63454	4.48	137694	7.34	254666	11.89
Method Detection Limit Verification	RQ1904142-01	65598	4.48	142914	7.34	240763	11.89

Client: Day Environmental, Inc. **Service Request:** R1903959
Project: 32 York St/5598S-19 **Date Analyzed:** 05/08/19 08:09

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

File ID: I:\ACQUDATA\5973D\Data\050819\BR693.D\ **Lab Code:** RQ1904331-02
Instrument ID: R-MS-54 **Analysis Lot:** 634837
Analysis Method: 8270D **Signal ID:** 1

		Naphthalene-d8		Perylene-d12		Phenanthrene-d10	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
Result ==>		218,568	5.64	276,901	14.67	246,121	8.80
Upper Limit ==>		437,136	6.14	553,802	15.17	492,242	9.30
Lower Limit ==>		109,284	5.14	138,451	14.17	123,061	8.30
Associated Analyses							
Method Detection Limit Verification	RQ1904142-01	230864	5.64	262132	14.67	243703	8.80
Method Detection Limit Verification	RQ1904142-01	234566	5.64	244746	14.67	248003	8.80

Client: Day Environmental, Inc. **Service Request:**R1903959
Project: 32 York St/5598S-19 **Date Analyzed:**05/13/19 08:41

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

File ID: I:\ACQUDATA\5973A\DATA\051319\DS002.D\ **Lab Code:**RQ1904520-04
Instrument ID: R-MS-51 **Analysis Lot:**635338
Analysis Method: 8270D **Signal ID:**1

		1,4-Dichlorobenzene-d4		Acenaphthene-d10		Chrysene-d12	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
Result ==>		164,546	4.73	301,006	7.61	428,068	12.36
Upper Limit ==>		329,092	5.23	602,012	8.11	856,136	12.86
Lower Limit ==>		82,273	4.23	150,503	7.11	214,034	11.86
Associated Analyses							
Method Blank	RQ1904520-05	151117	4.73	298575	7.61	409638	12.36
Method Detection Limit Verification	RQ1904142-02	147664	4.73	289413	7.61	405035	12.36
Method Detection Limit Verification	RQ1904142-02	139293	4.74	276610	7.61	381409	12.36

Client: Day Environmental, Inc. **Service Request:** R1903959
Project: 32 York St/5598S-19 **Date Analyzed:** 05/13/19 08:41

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

File ID: I:\ACQUDATA\5973A\DATA\051319\DS002.D\ **Lab Code:** RQ1904520-04
Instrument ID: R-MS-51 **Analysis Lot:** 635338
Analysis Method: 8270D **Signal ID:** 1

		Naphthalene-d8		Perylene-d12		Phenanthrene-d10	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
Result ==>		628,353	5.90	421,409	15.31	470,232	9.09
Upper Limit ==>		1,256,706	6.40	842,818	15.81	940,464	9.59
Lower Limit ==>		314,177	5.40	210,705	14.81	235,116	8.59
Associated Analyses							
Method Blank	RQ1904520-05	570923	5.90	412581	15.31	459530	9.09
Method Detection Limit Verification	RQ1904142-02	559179	5.90	393919	15.31	451747	9.09
Method Detection Limit Verification	RQ1904142-02	536786	5.90	376039	15.31	421649	9.08

Metals

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

METALS

-2A-

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Contract: R1903959

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: TB-01-32 (3-

Initial Calibration Source: PERKIN ELMER

Continuing Calibration Source: PERKIN ELMER

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Arsenic	1000	981	98	1000	987	99	996	100	P
Barium	10000	10300	103	10000	10400	104	10400	104	P
Cadmium	500	497	99	500	516	103	517	103	P
Mercury	3.00	3.14	105	3.00	3.13	104	3.18	106	CV
Chromium	500	509	102	500	516	103	516	103	P
Lead	500	503	101	500	515	103	513	103	P
Selenium	500	482	96	500	493	99	496	99	P
Silver	500	494	99	500	492	98	492	98	P

Comments:

METALS

-2A-

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Contract: R1903959

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: TB-01-32 (3-

Initial Calibration Source: PERKIN ELMER

Continuing Calibration Source: PERKIN ELMER

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Arsenic				1000	968	97	965	96	P
Barium				10000	10300	103	10300	103	P
Cadmium				500	499	100	505	101	P
Mercury				3.00	2.88	96	3.02	101	CV
Chromium				500	509	102	509	102	P
Lead				500	503	101	505	101	P
Selenium				500	481	96	487	97	P
Silver				500	492	98	492	98	P

Comments:

METALS

-2A-

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Contract: R1903959

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: TB-01-32 (3-

Initial Calibration Source: PERKIN ELMER

Continuing Calibration Source: PERKIN ELMER

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Arsenic				1000	972	97	972	97	P
Barium				10000	10300	103	10300	103	P
Cadmium				500	507	101	507	101	P
Mercury				3.00	3.02	101			CV
Chromium				500	509	102	511	102	P
Lead				500	506	101	505	101	P
Selenium				500	477	95	478	96	P
Silver				500	493	99	492	98	P

Comments:

METALS

-2A-

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Contract: R1903959

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: TB-01-32 (3-

Initial Calibration Source: PERKIN ELMER

Continuing Calibration Source: PERKIN ELMER

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Arsenic				1000	965	96			P
Barium				10000	10400	104			P
Cadmium				500	509	102			P
Chromium				500	511	102			P
Lead				500	507	101			P
Selenium				500	485	97			P
Silver				500	493	99			P

Comments:

METALS
-2B-
CRDL STANDARD FOR AA AND ICP

Contract: R1903959

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: TB-01-32 (3-

AA CRDL Standard Source: ACCUSTANDARD

ICP CRDL Standard Source:

Concentration Units: ug/L

Analyte	CRDL Standard for AA			CRDL Standard for ICP				
				Initial			Final	
	True	Found	%R	True	Found	%R	Found	%R
Arsenic				20.0	20.20	101	19.50	98
Barium				200.0	213.90	107	213.80	107
Cadmium				10.0	10.40	104	10.10	101
Mercury	0.200	0.173	86					
Chromium				10.0	10.30	103	10.20	102
Lead				10.0	10.00	100	10.00	100
Selenium				10.0	12.10	121	11.70	117
Silver				10.0	9.80	98	9.80	98

Comments:

METALS
-2B-
CRDL STANDARD FOR AA AND ICP

Contract: R1903959

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: TB-01-32 (3-

AA CRDL Standard Source: ACCUSTANDARD

ICP CRDL Standard Source:

Concentration Units: ug/L

Analyte	CRDL Standard for AA			CRDL Standard for ICP				
				Initial			Final	
	True	Found	%R	True	Found	%R	Found	%R
Mercury	0.200	0.168	84					

Comments:

METALS

-3-

BLANKS

Contract: R1903959

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: TB-01-32 (3-

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L, ppt, or mg/kg): MG/KG

Analyte	Initial Calib. Blank ug/L	C	Continuing Calibration Blank ug/L 1	C	2	C	3	C	Preparation Blank	C	M
Arsenic	7.00	U	7.00	U	7.00	U	7.00	U	0.700	U	P
Barium	9.70	U	9.70	U	9.70	U	9.70	U	0.970	U	P
Cadmium	0.73	U	0.73	U	0.73	U	0.73	U	0.073	U	P
Mercury	0.035	U	0.035	U	0.035	U	-0.041	J	-0.007	J	CV
Chromium	3.50	U	3.50	U	3.50	U	3.50	U	0.350	U	P
Lead	4.00	U	4.00	U	4.00	U	4.00	U	0.400	U	P
Selenium	5.40	U	5.40	U	5.40	U	5.40	U	0.540	U	P
Silver	0.71	U	0.71	U	0.71	U	0.71	U	0.071	U	P

Comments:

METALS

-3-

BLANKS

Contract: R1903959

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: TB-01-32 (3-

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L, ppt, or mg/kg): UG/L

Analyte	Initial Calib. Blank ug/L	C	Continuing Calibration Blank ug/L 1	C	2	C	3	C	Preparation Blank	C	M
Arsenic			7.00	U	7.00	U	7.00	U			P
Barium			9.70	U	9.70	U	9.70	U			P
Cadmium			0.73	U	0.73	U	0.73	U			P
Mercury			0.035	U	0.035	U					CV
Chromium			3.50	U	3.50	U	3.50	U			P
Lead			4.00	U	4.00	U	4.00	U			P
Selenium			5.40	U	5.40	U	5.40	U			P
Silver			0.71	U	0.71	U	0.71	U			P

Comments:

METALS

-3-

BLANKS

Contract: R1903959

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: TB-01-32 (3-

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L, ppt, or mg/kg): UG/L

Analyte	Initial Calib. Blank ug/L	C	Continuing Calibration Blank ug/L 1	C	2	C	3	C	Preparation Blank	C	M
Arsenic			7.00	U							P
Barium			9.70	U							P
Cadmium			0.73	U							P
Chromium			3.50	U							P
Lead			4.00	U							P
Selenium			5.40	U							P
Silver			0.71	U							P

Comments:

METALS

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ICP INTERFERENCE CHECK SAMPLE

Contract: R1903959

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: TB-01-32 (3-

ICP ID Number: Agilent ICP ICS Source: PERKIN ELMER

Concentration Units): ug/L

Analyte	True		Initial Found			Final Found		
	Sol.A	Sol.AB	Sol.A	Sol.AB	%R	Sol.A	Sol.AB	%R
Arsenic		100	0.6	104	104	0.0	98	98
Barium		500	0.4	535	107	0.4	534	107
Cadmium		1000	-0.6	1020	102	-0.4	1010	101
Chromium		500	0.4	512	102	0.4	509	102
Lead		50	-0.3	48	96	-1.6	46	92
Selenium		50	-8.4	49	98	-7.3	53	106
Silver		200	0.2	214	107	0.2	215	108

METALS

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LABORATORY CONTROL SAMPLE

Contract: R1903959

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: TB-01-32 (3-

Solid LCS Source: CPI

Aqueous LCS Source:

Analyte	Aqueous (ug/L True	Found	%R	Solid (mg/K True	Found	C	Limits		%R
Arsenic				4	4.11		3.2	4.8	103
Barium				200	210.99		160	240	105
Cadmium				5	5.13		4	6	103
Mercury				0.166	0.15		.133	.199	90
Chromium				20	20.94		16	24	105
Lead				50	51.32		40	60	103
Selenium				101	96.36		80.8	121	95
Silver				5	4.89		4	6	98

Comments:

METALS

-9-

ICP SERIAL DILUTIONS

SAMPLE NO.

TB-04-32 (4-5)L

Contract: R1903959

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: TB-01-32 (3-

Matrix (soil/water): WATER Level (low/med): LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Arsenic	22.60		35.00	U	100.0		P
Barium	229.00		223.00		3		P
Cadmium	1.50	J	3.65	U	100.0		P
Chromium	54.30		51.50		5		P
Lead	45.70	J	31.00	J	32		P
Selenium	5.40	U	27.00	U			P
Silver	0.71	U	3.55	U			P

Comments: _____

METALS

-10-

DETECTION LIMITS

Contract: R1903959

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: TB-01-32 (3-

ICP ID Number: _____ Date: 3/4/2019

Flame AA ID Number: PE FAA/CVAA

Furnace AA ID Number:

Analyte	Wave-length (nm)	Back-ground	PQL ug/L	MDL ug/L	M
Mercury	253.70	BD	0.200	0.035	CV

Comments: _____

METALS

-10-

DETECTION LIMITS

Contract: R1903959

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: TB-01-32 (3-

ICP ID Number: Agilent ICP Date: 3/4/2019

Flame AA ID Number: _____

Furnace AA ID Number:

Analyte	Wave-length (nm)	Back-ground	PQL ug/L	MDL ug/L	M
Arsenic	188.980		10.0	7.00	P
Barium	230.424		20.0	9.70	P
Cadmium	214.439		5.0	0.73	P
Chromium	267.716		10.0	3.50	P
Lead	220.353		50.0	4.00	P
Selenium	196.026		10.0	5.40	P
Silver	328.068		10.0	0.71	P

Comments: _____

METALS
ICP LINEAR RANGES (QUARTERLY)
-12-

Contract: R1903959

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: TB-01-32 (3-

ICP ID Number: Agilent ICP Date: 3/4/2019

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	M
Arsenic	1.000	4000	P
Barium	1.000	40000	P
Cadmium	1.000	2000	P
Chromium	1.000	10000	P
Lead	1.000	10000	P
Selenium	1.000	2000	P
Silver	1.000	2000	P

Comments: _____

METALS

-14-

ANALYSIS RUN LOG

Contract: R1903959

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: TB-01-32 (3-

Instrument ID Number: Agilent ICP Method: P

Start Date: 5/8/2019 End Date: 5/8/2019

Sample ID.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
BLANK	1.00	14:05				X	X		X		X				X						X	X					
STANDARD 1	1.00	14:09				X	X		X		X				X						X	X					
STANDARD 2	1.00	14:12				X	X		X		X				X						X	X					
STANDARD 3	1.00	14:15				X	X		X		X				X						X	X					
STANDARD 4	1.00	14:19				X	X		X		X				X						X	X					
STANDARD 5	1.00	14:22				X	X		X		X				X						X	X					
ICV1	1.00	14:26				X	X		X		X				X						X	X					
ICB1	1.00	14:29				X	X		X		X				X						X	X					
ZZZZZZ	1.00	14:32																									
ZZZZZZ	1.00	14:36																									
ZZZZZZ	1.00	14:39																									
ZZZZZZ	1.00	14:42																									
ZZZZZZ	1.00	14:46																									
ZZZZZZ	1.00	14:49																									
ZZZZZZ	1.00	14:52																									
ZZZZZZ	1.00	14:56																									
ZZZZZZ	1.00	14:59																									
ZZZZZZ	1.00	15:02																									
ZZZZZZ	1.00	15:06																									
ZZZZZZ	10.00	15:09																									
ZZZZZZ	10.00	15:12																									
ZZZZZZ	10.00	15:15																									
ZZZZZZ	1.00	15:19																									
ZZZZZZ	1.00	15:22																									
ZZZZZZ	1.00	15:25																									
ZZZZZZ	1.00	15:29																									
ZZZZZZ	1.00	15:32																									
ZZZZZZ	1.00	15:35																									
ZZZZZZ	5.00	15:39																									
ZZZZZZ	10.00	15:42																									
ZZZZZZ	10.00	15:45																									
ZZZZZZ	10.00	15:49																									
ZZZZZZ	10.00	15:52																									

* - Denotes additional elements (other than the standard CLP elements) are represented on another Form 14

METALS

-14-

ANALYSIS RUN LOG

Contract: R1903959

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: TB-01-32 (3-

Instrument ID Number: Agilent ICP Method: P

Start Date: 5/8/2019 End Date: 5/8/2019

Sample ID.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
CCV1	1.00	15:55				X	X		X		X				X						X	X					
CCB1	1.00	15:59				X	X		X		X				X						X	X					
CRDL1	1.00	16:02				X	X		X		X				X						X	X					
ICS-A1	1.00	16:05				X	X		X		X				X						X	X					
ICS-AB1	1.00	16:08				X	X		X		X				X						X	X					
ZZZZZZ	1.00	16:12																									
ZZZZZZ	1.00	16:15																									
ZZZZZZ	1.00	16:18																									
CCV2	1.00	16:22				X	X		X		X				X						X	X					
CCB2	1.00	16:25				X	X		X		X				X						X	X					
PBS	1.00	16:28				X	X		X		X				X						X	X					
LCSS	1.00	16:32				X	X		X		X				X						X	X					
ZZZZZZ	1.00	16:35																									
ZZZZZZ	1.00	16:38																									
ZZZZZZ	1.00	16:42																									
ZZZZZZ	1.00	16:45																									
ZZZZZZ	1.00	16:48																									
ZZZZZZ	1.00	16:52																									
ZZZZZZ	1.00	16:55																									
ZZZZZZ	5.00	16:58																									
CCV3	1.00	17:01				X	X		X		X				X						X	X					
CCB3	1.00	17:05				X	X		X		X				X						X	X					
ZZZZZZ	1.00	17:08																									
ZZZZZZ	1.00	17:11																									
ZZZZZZ	1.00	17:15																									
TB-01-32 (3-4)	1.00	17:18				X	X		X		X				X						X	X					
TB-02-32 (3-4)	1.00	17:21				X	X		X		X				X						X	X					
TB-03-32 (5-7)	1.00	17:25				X	X		X		X				X						X	X					
TB-04-32 (4-5)	1.00	17:28				X	X		X		X				X						X	X					
TB-04-32 (4-5)L	5.00	17:31				X	X		X		X				X						X	X					
ZZZZZZ	1.00	17:35																									
ZZZZZZ	1.00	17:38																									
CCV4	1.00	17:41				X	X		X		X				X						X	X					

* - Denotes additional elements (other than the standard CLP elements) are represented on another Form 14

METALS

-14-

ANALYSIS RUN LOG

Contract: R1903959

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: TB-01-32 (3-

Instrument ID Number: Agilent ICP Method: P

Start Date: 5/8/2019 End Date: 5/8/2019

Sample ID.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
CCB4	1.00	17:44				X	X		X		X				X						X	X					
ZZZZZZ	1.00	17:48																									
ZZZZZZ	1.00	17:51																									
ZZZZZZ	1.00	17:54																									
ZZZZZZ	1.00	17:58																									
ZZZZZZ	1.00	18:01																									
ZZZZZZ	1.00	18:04																									
ZZZZZZ	10.00	18:08																									
ZZZZZZ	10.00	18:11																									
ZZZZZZ	10.00	18:14																									
ZZZZZZ	10.00	18:18																									
CCV5	1.00	18:21				X	X		X		X				X						X	X					
CCB5	1.00	18:24				X	X		X		X				X						X	X					
ZZZZZZ	10.00	18:28																									
ZZZZZZ	10.00	18:31																									
ZZZZZZ	10.00	18:34																									
ZZZZZZ	10.00	18:37																									
CCV6	1.00	18:41				X	X		X		X				X						X	X					
CCB6	1.00	18:44				X	X		X		X				X						X	X					
CRDL2	1.00	18:47				X	X		X		X				X						X	X					
ICS-A2	1.00	18:51				X	X		X		X				X						X	X					
ICS-AB2	1.00	18:54				X	X		X		X				X						X	X					
CCV7	1.00	18:57				X	X		X		X				X						X	X					
CCB7	1.00	19:01				X	X		X		X				X						X	X					

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METALS

-14-

ANALYSIS RUN LOG

Contract: R1903959

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: TB-01-32 (3-

Instrument ID Number: PE FAA/CVAA Method: CV

Start Date: 5/7/2019 End Date: 5/7/2019

Sample ID.	D/F	Time	% R	Analytes																									
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
Calib Blank	1.00	03:41																X										
0.2ppb std	1.00	03:43																X										
0.5ppb std	1.00	03:45																X										
1.0ppb std	1.00	03:46																X										
2.0ppb std	1.00	03:48																X										
5.0ppb std	1.00	03:49																X										
10.0ppb std	1.00	03:51																X										
ICV1	1.00	03:53																X										
ICB1	1.00	03:54																X										
CRDL1	1.00	03:56																X										
CCV1	1.00	03:58																X										
CCB1	1.00	03:59																X										
PBS	1.00	04:01																X										
LCSS	1.00	04:02																X										
ZZZZZZ	1.00	04:04																											
ZZZZZZ	1.00	04:06																											
ZZZZZZ	1.00	04:07																											
ZZZZZZ	1.00	04:09																											
ZZZZZZ	1.00	04:11																											
ZZZZZZ	1.00	04:12																											
CCV2	1.00	04:14																X										
CCB2	1.00	04:16																X										
ZZZZZZ	1.00	04:17																											
ZZZZZZ	1.00	04:19																											
ZZZZZZ	1.00	04:21																											
ZZZZZZ	1.00	04:22																											
ZZZZZZ	1.00	04:24																											
ZZZZZZ	1.00	04:26																											
ZZZZZZ	1.00	04:27																											
ZZZZZZ	1.00	04:29																											
CCV3	1.00	04:31																X										
CCB3	1.00	04:32																X										
ZZZZZZ	1.00	04:34																											

* - Denotes additional elements (other than the standard CLP elements) are represented on another Form 14

METALS

-14-

ANALYSIS RUN LOG

Contract: R1903959

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: TB-01-32 (3-

Instrument ID Number: PE FAA/CVAA Method: CV

Start Date: 5/7/2019 End Date: 5/7/2019

Sample ID.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN			
ZZZZZZ	1.00	04:36																												
ZZZZZZ	1.00	04:37																												
ZZZZZZ	1.00	04:39																												
ZZZZZZ	1.00	04:41																												
ZZZZZZ	1.00	04:42																												
ZZZZZZ	1.00	04:44																												
ZZZZZZ	1.00	04:46																												
ZZZZZZ	1.00	04:47																												
ZZZZZZ	1.00	04:49																												
ZZZZZZ	1.00	05:43																												
ZZZZZZ	1.00	05:44																												
ZZZZZZ	1.00	05:46																												
ZZZZZZ	1.00	05:47																												
ZZZZZZ	1.00	05:49																												
CCV4	1.00	05:51																X												
CCB4	1.00	05:52																X												
ZZZZZZ	1.00	05:54																												
TB-01-32 (3-4)	1.00	05:56																X												
TB-02-32 (3-4)	1.00	05:57																X												
TB-03-32 (5-7)	1.00	05:59																X												
TB-04-32 (4-5)	1.00	06:01																X												
ZZZZZZ	1.00	06:02																												
ZZZZZZ	1.00	06:04																												
CRDL2	1.00	06:06																X												
CCV5	1.00	06:07																X												
CCB5	1.00	06:09																X												

* - Denotes additional elements (other than the standard CLP elements) are represented on another Form 14

General Chemistry

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

ALS Group USA, Corp.

dba ALS Environmental

QA/QC Report

Client:	Day Environmental, Inc.	**Service Request:**	R1903959
Project	32 York St/5598S-19	**Date Collected:**	04/30/19
Sample Matrix:	Soil	**Date Received:**	05/02/19
		Date Analyzed:	05/07/19

Replicate Sample Summary
General Chemistry Parameters

Sample Name:	TB-04-32 (1-4)	**Units:**	Percent
Lab Code:	R1903959-009	**Basis:**	As Received

Analyte Name	Analysis Method	MRL	Sample Result	Duplicate Sample R1903959-009DUP Result	Average	RPD	RPD Limit
Total Solids	ALS SOP	-	83.3	82.6	83.0	<1	20

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.

Raw Data

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
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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

Analytical Report

Client:	Day Environmental, Inc.	**Service Request:**	R1903959
Project:	32 York St/5598S-19	**Date Collected:**	04/30/19 08:35
Sample Matrix:	Soil	**Date Received:**	05/02/19 16:21
Sample Name:	TB-01-32 (1-2)	**Units:**	ug/Kg
Lab Code:	R1903959-001	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	0.20 U	4.8	0.20	.79	05/04/19 19:02	
1,1,2,2-Tetrachloroethane	0.20 U	4.8	0.20	.79	05/04/19 19:02	
1,1,2-Trichloroethane	0.20 U	4.8	0.20	.79	05/04/19 19:02	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.20 U	4.8	0.20	.79	05/04/19 19:02	
1,1-Dichloroethane (1,1-DCA)	0.20 U	4.8	0.20	.79	05/04/19 19:02	
1,1-Dichloroethene (1,1-DCE)	0.28 U	4.8	0.28	.79	05/04/19 19:02	
1,2,3-Trichlorobenzene	0.50 U	4.8	0.50	.79	05/04/19 19:02	
1,2,4-Trichlorobenzene	**0.47 BJ**	4.8	0.41	.79	05/04/19 19:02	
1,2,4-Trimethylbenzene	**0.23 J**	4.8	0.20	.79	05/04/19 19:02	
1,2-Dibromo-3-chloropropane (DBCP)	0.28 U	4.8	0.28	.79	05/04/19 19:02	
1,2-Dibromoethane	0.20 U	4.8	0.20	.79	05/04/19 19:02	
1,2-Dichlorobenzene	0.20 U	4.8	0.20	.79	05/04/19 19:02	
1,2-Dichloroethane	0.20 U	4.8	0.20	.79	05/04/19 19:02	
1,2-Dichloropropane	0.20 U	4.8	0.20	.79	05/04/19 19:02	
1,3,5-Trimethylbenzene	0.20 U	4.8	0.20	.79	05/04/19 19:02	
1,3-Dichlorobenzene	0.20 U	4.8	0.20	.79	05/04/19 19:02	
1,4-Dichlorobenzene	0.22 U	4.8	0.22	.79	05/04/19 19:02	
1,4-Dioxane	20 U	96	20	.79	05/04/19 19:02	
2-Butanone (MEK)	**2.3 J**	4.8	2.0	.79	05/04/19 19:02	
2-Hexanone	0.35 U	4.8	0.35	.79	05/04/19 19:02	
4-Isopropyltoluene	0.20 U	4.8	0.20	.79	05/04/19 19:02	
4-Methyl-2-pentanone	0.23 U	4.8	0.23	.79	05/04/19 19:02	
Acetone	**54**	4.8	4.6	.79	05/04/19 19:02	
Benzene	0.20 U	4.8	0.20	.79	05/04/19 19:02	
Bromochloromethane	0.20 U	4.8	0.20	.79	05/04/19 19:02	
Bromodichloromethane	0.20 U	4.8	0.20	.79	05/04/19 19:02	
Bromoform	0.48 U	4.8	0.48	.79	05/04/19 19:02	
Bromomethane	2.1 U	4.8	2.1	.79	05/04/19 19:02	
Carbon Disulfide	0.28 U	4.8	0.28	.79	05/04/19 19:02	
Carbon Tetrachloride	0.25 U	4.8	0.25	.79	05/04/19 19:02	
Chlorobenzene	0.20 U	4.8	0.20	.79	05/04/19 19:02	
Chloroethane	0.20 U	4.8	0.20	.79	05/04/19 19:02	
Chloroform	0.20 U	4.8	0.20	.79	05/04/19 19:02	
Chloromethane	1.4 U	4.8	1.4	.79	05/04/19 19:02	
Cyclohexane	0.25 U	4.8	0.25	.79	05/04/19 19:02	
Dibromochloromethane	0.20 U	4.8	0.20	.79	05/04/19 19:02	
Dichlorodifluoromethane (CFC 12)	0.32 U	4.8	0.32	.79	05/04/19 19:02	
Dichloromethane	2.7 U	4.8	2.7	.79	05/04/19 19:02	
Ethylbenzene	0.20 U	4.8	0.20	.79	05/04/19 19:02	
Isopropylbenzene (Cumene)	0.20 U	4.8	0.20	.79	05/04/19 19:02	
Methyl Acetate	**1.1 J**	4.8	0.81	.79	05/04/19 19:02	
Methyl tert-Butyl Ether	0.20 U	4.8	0.20	.79	05/04/19 19:02	
Methylcyclohexane	**0.36 J**	4.8	0.30	.79	05/04/19 19:02	

Analytical Report

Client:	Day Environmental, Inc.	**Service Request:**	R1903959
Project:	32 York St/5598S-19	**Date Collected:**	04/30/19 08:35
Sample Matrix:	Soil	**Date Received:**	05/02/19 16:21
Sample Name:	TB-01-32 (1-2)	**Units:**	ug/Kg
Lab Code:	R1903959-001	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Naphthalene	**0.99 BJ**	4.8	0.53	.79	05/04/19 19:02	
Styrene	0.20 U	4.8	0.20	.79	05/04/19 19:02	
Tetrachloroethene (PCE)	0.23 U	4.8	0.23	.79	05/04/19 19:02	
Toluene	**0.30 J**	4.8	0.20	.79	05/04/19 19:02	
Trichloroethene (TCE)	0.22 U	4.8	0.22	.79	05/04/19 19:02	
Trichlorofluoromethane (CFC 11)	0.25 U	4.8	0.25	.79	05/04/19 19:02	
Vinyl Chloride	0.45 U	4.8	0.45	.79	05/04/19 19:02	
cis-1,2-Dichloroethene	0.20 U	4.8	0.20	.79	05/04/19 19:02	
cis-1,3-Dichloropropene	0.20 U	4.8	0.20	.79	05/04/19 19:02	
m,p-Xylenes	0.36 U	9.6	0.36	.79	05/04/19 19:02	
n-Butylbenzene	0.20 U	4.8	0.20	.79	05/04/19 19:02	
n-Propylbenzene	0.20 U	4.8	0.20	.79	05/04/19 19:02	
o-Xylene	0.20 U	4.8	0.20	.79	05/04/19 19:02	
sec-Butylbenzene	0.20 U	4.8	0.20	.79	05/04/19 19:02	
tert-Butylbenzene	0.20 U	4.8	0.20	.79	05/04/19 19:02	
trans-1,2-Dichloroethene	0.20 U	4.8	0.20	.79	05/04/19 19:02	
trans-1,3-Dichloropropene	0.20 U	4.8	0.20	.79	05/04/19 19:02	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	82	31 - 154	05/04/19 19:02	
Dibromofluoromethane	97	63 - 138	05/04/19 19:02	
Toluene-d8	95	66 - 138	05/04/19 19:02	

Analytical Report

Client:	Day Environmental, Inc.	**Service Request:**	R1903959
Project:	32 York St/5598S-19	**Date Collected:**	04/30/19 09:36
Sample Matrix:	Soil	**Date Received:**	05/02/19 16:21
Sample Name:	TB-02-32 (2-3)	**Units:**	ug/Kg
Lab Code:	R1903959-004	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	0.18 U	4.5	0.18	.76	05/04/19 19:25	
1,1,2,2-Tetrachloroethane	0.18 U	4.5	0.18	.76	05/04/19 19:25	
1,1,2-Trichloroethane	0.18 U	4.5	0.18	.76	05/04/19 19:25	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.18 U	4.5	0.18	.76	05/04/19 19:25	
1,1-Dichloroethane (1,1-DCA)	0.18 U	4.5	0.18	.76	05/04/19 19:25	
1,1-Dichloroethene (1,1-DCE)	0.26 U	4.5	0.26	.76	05/04/19 19:25	
1,2,3-Trichlorobenzene	0.47 U	4.5	0.47	.76	05/04/19 19:25	
1,2,4-Trichlorobenzene	0.38 U	4.5	0.38	.76	05/04/19 19:25	
1,2,4-Trimethylbenzene	0.18 U	4.5	0.18	.76	05/04/19 19:25	
1,2-Dibromo-3-chloropropane (DBCP)	0.26 U	4.5	0.26	.76	05/04/19 19:25	
1,2-Dibromoethane	0.18 U	4.5	0.18	.76	05/04/19 19:25	
1,2-Dichlorobenzene	0.18 U	4.5	0.18	.76	05/04/19 19:25	
1,2-Dichloroethane	0.18 U	4.5	0.18	.76	05/04/19 19:25	
1,2-Dichloropropane	0.18 U	4.5	0.18	.76	05/04/19 19:25	
1,3,5-Trimethylbenzene	0.18 U	4.5	0.18	.76	05/04/19 19:25	
1,3-Dichlorobenzene	0.18 U	4.5	0.18	.76	05/04/19 19:25	
1,4-Dichlorobenzene	0.20 U	4.5	0.20	.76	05/04/19 19:25	
1,4-Dioxane	18 U	89	18	.76	05/04/19 19:25	
2-Butanone (MEK)	**2.8 J**	4.5	1.8	.76	05/04/19 19:25	
2-Hexanone	**1.6 J**	4.5	0.33	.76	05/04/19 19:25	
4-Isopropyltoluene	0.18 U	4.5	0.18	.76	05/04/19 19:25	
4-Methyl-2-pentanone	0.21 U	4.5	0.21	.76	05/04/19 19:25	
Acetone	**76**	4.5	4.2	.76	05/04/19 19:25	
Benzene	**0.20 J**	4.5	0.18	.76	05/04/19 19:25	
Bromochloromethane	0.18 U	4.5	0.18	.76	05/04/19 19:25	
Bromodichloromethane	0.18 U	4.5	0.18	.76	05/04/19 19:25	
Bromoform	0.45 U	4.5	0.45	.76	05/04/19 19:25	
Bromomethane	1.9 U	4.5	1.9	.76	05/04/19 19:25	
Carbon Disulfide	0.26 U	4.5	0.26	.76	05/04/19 19:25	
Carbon Tetrachloride	0.24 U	4.5	0.24	.76	05/04/19 19:25	
Chlorobenzene	0.18 U	4.5	0.18	.76	05/04/19 19:25	
Chloroethane	0.18 U	4.5	0.18	.76	05/04/19 19:25	
Chloroform	0.18 U	4.5	0.18	.76	05/04/19 19:25	
Chloromethane	1.3 U	4.5	1.3	.76	05/04/19 19:25	
Cyclohexane	0.24 U	4.5	0.24	.76	05/04/19 19:25	
Dibromochloromethane	0.18 U	4.5	0.18	.76	05/04/19 19:25	
Dichlorodifluoromethane (CFC 12)	0.30 U	4.5	0.30	.76	05/04/19 19:25	
Dichloromethane	2.5 U	4.5	2.5	.76	05/04/19 19:25	
Ethylbenzene	0.18 U	4.5	0.18	.76	05/04/19 19:25	
Isopropylbenzene (Cumene)	0.18 U	4.5	0.18	.76	05/04/19 19:25	
Methyl Acetate	**11**	4.5	0.75	.76	05/04/19 19:25	
Methyl tert-Butyl Ether	**0.25 J**	4.5	0.18	.76	05/04/19 19:25	
Methylcyclohexane	**0.56 J**	4.5	0.28	.76	05/04/19 19:25	

Analytical Report

Client:	Day Environmental, Inc.	**Service Request:**	R1903959
Project:	32 York St/5598S-19	**Date Collected:**	04/30/19 09:36
Sample Matrix:	Soil	**Date Received:**	05/02/19 16:21
Sample Name:	TB-02-32 (2-3)	**Units:**	ug/Kg
Lab Code:	R1903959-004	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Naphthalene	**0.67 BJ**	4.5	0.50	.76	05/04/19 19:25	
Styrene	0.18 U	4.5	0.18	.76	05/04/19 19:25	
Tetrachloroethene (PCE)	0.21 U	4.5	0.21	.76	05/04/19 19:25	
Toluene	**0.24 J**	4.5	0.18	.76	05/04/19 19:25	
Trichloroethene (TCE)	0.20 U	4.5	0.20	.76	05/04/19 19:25	
Trichlorofluoromethane (CFC 11)	0.24 U	4.5	0.24	.76	05/04/19 19:25	
Vinyl Chloride	0.41 U	4.5	0.41	.76	05/04/19 19:25	
cis-1,2-Dichloroethene	0.18 U	4.5	0.18	.76	05/04/19 19:25	
cis-1,3-Dichloropropene	0.18 U	4.5	0.18	.76	05/04/19 19:25	
m,p-Xylenes	0.33 U	8.9	0.33	.76	05/04/19 19:25	
n-Butylbenzene	0.18 U	4.5	0.18	.76	05/04/19 19:25	
n-Propylbenzene	0.18 U	4.5	0.18	.76	05/04/19 19:25	
o-Xylene	0.18 U	4.5	0.18	.76	05/04/19 19:25	
sec-Butylbenzene	0.18 U	4.5	0.18	.76	05/04/19 19:25	
tert-Butylbenzene	0.18 U	4.5	0.18	.76	05/04/19 19:25	
trans-1,2-Dichloroethene	0.18 U	4.5	0.18	.76	05/04/19 19:25	
trans-1,3-Dichloropropene	0.18 U	4.5	0.18	.76	05/04/19 19:25	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	72	31 - 154	05/04/19 19:25	
Dibromofluoromethane	96	63 - 138	05/04/19 19:25	
Toluene-d8	93	66 - 138	05/04/19 19:25	

Analytical Report

Client:	Day Environmental, Inc.	**Service Request:**	R1903959
Project:	32 York St/5598S-19	**Date Collected:**	04/30/19 10:06
Sample Matrix:	Soil	**Date Received:**	05/02/19 16:21
Sample Name:	TB-03-32 (7-8)	**Units:**	ug/Kg
Lab Code:	R1903959-007	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	17	U	420	17	72.5	05/08/19 19:01	
1,1,2,2-Tetrachloroethane	17	U	420	17	72.5	05/08/19 19:01	
1,1,2-Trichloroethane	17	U	420	17	72.5	05/08/19 19:01	
1,1,2-Trichloro-1,2,2-trifluoroethane	17	U	420	17	72.5	05/08/19 19:01	
1,1-Dichloroethane (1,1-DCA)	17	U	420	17	72.5	05/08/19 19:01	
1,1-Dichloroethene (1,1-DCE)	25	U	420	25	72.5	05/08/19 19:01	
1,2,3-Trichlorobenzene	44	U	420	44	72.5	05/08/19 19:01	
1,2,4-Trichlorobenzene	36	U	420	36	72.5	05/08/19 19:01	
1,2,4-Trimethylbenzene	**39**	**J**	420	17	72.5	05/08/19 19:01	
1,2-Dibromo-3-chloropropane (DBCP)	25	U	420	25	72.5	05/08/19 19:01	
1,2-Dibromoethane	17	U	420	17	72.5	05/08/19 19:01	
1,2-Dichlorobenzene	17	U	420	17	72.5	05/08/19 19:01	
1,2-Dichloroethane	17	U	420	17	72.5	05/08/19 19:01	
1,2-Dichloropropane	17	U	420	17	72.5	05/08/19 19:01	
1,3,5-Trimethylbenzene	17	U	420	17	72.5	05/08/19 19:01	
1,3-Dichlorobenzene	17	U	420	17	72.5	05/08/19 19:01	
1,4-Dichlorobenzene	19	U	420	19	72.5	05/08/19 19:01	
1,4-Dioxane	1700	U	8500	1700	72.5	05/08/19 19:01	
2-Butanone (MEK)	170	U	420	170	72.5	05/08/19 19:01	
2-Hexanone	31	U	420	31	72.5	05/08/19 19:01	
4-Isopropyltoluene	**130**	**J**	420	17	72.5	05/08/19 19:01	
4-Methyl-2-pentanone	20	U	420	20	72.5	05/08/19 19:01	
Acetone	400	U	420	400	72.5	05/08/19 19:01	
Benzene	17	U	420	17	72.5	05/08/19 19:01	
Bromochloromethane	17	U	420	17	72.5	05/08/19 19:01	
Bromodichloromethane	17	U	420	17	72.5	05/08/19 19:01	
Bromoform	43	U	420	43	72.5	05/08/19 19:01	
Bromomethane	180	U	420	180	72.5	05/08/19 19:01	
Carbon Disulfide	25	U	420	25	72.5	05/08/19 19:01	
Carbon Tetrachloride	22	U	420	22	72.5	05/08/19 19:01	
Chlorobenzene	17	U	420	17	72.5	05/08/19 19:01	
Chloroethane	**32**	**J**	420	17	72.5	05/08/19 19:01	
Chloroform	17	U	420	17	72.5	05/08/19 19:01	
Chloromethane	120	U	420	120	72.5	05/08/19 19:01	
Cyclohexane	**8100**		420	22	72.5	05/08/19 19:01	
Dibromochloromethane	17	U	420	17	72.5	05/08/19 19:01	
Dichlorodifluoromethane (CFC 12)	28	U	420	28	72.5	05/08/19 19:01	
Dichloromethane	240	U	420	240	72.5	05/08/19 19:01	
Ethylbenzene	17	U	420	17	72.5	05/08/19 19:01	
Isopropylbenzene (Cumene)	**240**	**J**	420	17	72.5	05/08/19 19:01	
Methyl Acetate	**1600**		420	72	72.5	05/08/19 19:01	
Methyl tert-Butyl Ether	17	U	420	17	72.5	05/08/19 19:01	
Methylcyclohexane	**21000**	**E**	420	27	72.5	05/08/19 19:01	

Analytical Report

Client:	Day Environmental, Inc.	**Service Request:**	R1903959
Project:	32 York St/5598S-19	**Date Collected:**	04/30/19 10:06
Sample Matrix:	Soil	**Date Received:**	05/02/19 16:21
Sample Name:	TB-03-32 (7-8)	**Units:**	ug/Kg
Lab Code:	R1903959-007	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Q
Naphthalene	**260**	**BJ**	420	47	72.5	05/08/19 19:01	
Styrene	17	U	420	17	72.5	05/08/19 19:01	
Tetrachloroethene (PCE)	20	U	420	20	72.5	05/08/19 19:01	
Toluene	17	U	420	17	72.5	05/08/19 19:01	
Trichloroethene (TCE)	**35**	**J**	420	19	72.5	05/08/19 19:01	
Trichlorofluoromethane (CFC 11)	22	U	420	22	72.5	05/08/19 19:01	
Vinyl Chloride	39	U	420	39	72.5	05/08/19 19:01	
cis-1,2-Dichloroethene	17	U	420	17	72.5	05/08/19 19:01	
cis-1,3-Dichloropropene	17	U	420	17	72.5	05/08/19 19:01	
m,p-Xylenes	32	U	850	32	72.5	05/08/19 19:01	
n-Butylbenzene	**950**		420	17	72.5	05/08/19 19:01	
n-Propylbenzene	**740**		420	17	72.5	05/08/19 19:01	
o-Xylene	17	U	420	17	72.5	05/08/19 19:01	
sec-Butylbenzene	**370**	**J**	420	17	72.5	05/08/19 19:01	
tert-Butylbenzene	**51**	**J**	420	17	72.5	05/08/19 19:01	
trans-1,2-Dichloroethene	17	U	420	17	72.5	05/08/19 19:01	
trans-1,3-Dichloropropene	17	U	420	17	72.5	05/08/19 19:01	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	93	31 - 154	05/08/19 19:01	
Dibromofluoromethane	86	63 - 138	05/08/19 19:01	
Toluene-d8	95	66 - 138	05/08/19 19:01	

Client:	Day Environmental, Inc.	**Service Request:**	R1903959
Project:	32 York St/5598S-19	**Date Collected:**	04/30/19 10:06
Sample Matrix:	Soil	**Date Received:**	05/02/19 16:21
Sample Name:	TB-03-32 (7-8)	**Units:**	ug/Kg
Lab Code:	R1903959-007	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	68	U	1700	68	290	05/10/19 17:19	
1,1,2,2-Tetrachloroethane	68	U	1700	68	290	05/10/19 17:19	
1,1,2-Trichloroethane	68	U	1700	68	290	05/10/19 17:19	
1,1,2-Trichloro-1,2,2-trifluoroethane	68	U	1700	68	290	05/10/19 17:19	
1,1-Dichloroethane (1,1-DCA)	68	U	1700	68	290	05/10/19 17:19	
1,1-Dichloroethene (1,1-DCE)	99	U	1700	99	290	05/10/19 17:19	
1,2,3-Trichlorobenzene	180	U	1700	180	290	05/10/19 17:19	
1,2,4-Trichlorobenzene	150	U	1700	150	290	05/10/19 17:19	
1,2,4-Trimethylbenzene	68	U	1700	68	290	05/10/19 17:19	
1,2-Dibromo-3-chloropropane (DBCP)	99	U	1700	99	290	05/10/19 17:19	
1,2-Dibromoethane	68	U	1700	68	290	05/10/19 17:19	
1,2-Dichlorobenzene	68	U	1700	68	290	05/10/19 17:19	
1,2-Dichloroethane	68	U	1700	68	290	05/10/19 17:19	
1,2-Dichloropropane	68	U	1700	68	290	05/10/19 17:19	
1,3,5-Trimethylbenzene	68	U	1700	68	290	05/10/19 17:19	
1,3-Dichlorobenzene	68	U	1700	68	290	05/10/19 17:19	
1,4-Dichlorobenzene	75	U	1700	75	290	05/10/19 17:19	
1,4-Dioxane	6800	U	34000	6800	290	05/10/19 17:19	
2-Butanone (MEK)	680	U	1700	680	290	05/10/19 17:19	
2-Hexanone	130	U	1700	130	290	05/10/19 17:19	
4-Isopropyltoluene	**120**	**DJ**	1700	68	290	05/10/19 17:19	
4-Methyl-2-pentanone	78	U	1700	78	290	05/10/19 17:19	
Acetone	1600	U	1700	1600	290	05/10/19 17:19	
Benzene	68	U	1700	68	290	05/10/19 17:19	
Bromochloromethane	68	U	1700	68	290	05/10/19 17:19	
Bromodichloromethane	68	U	1700	68	290	05/10/19 17:19	
Bromoform	170	U	1700	170	290	05/10/19 17:19	
Bromomethane	720	U	1700	720	290	05/10/19 17:19	
Carbon Disulfide	99	U	1700	99	290	05/10/19 17:19	
Carbon Tetrachloride	88	U	1700	88	290	05/10/19 17:19	
Chlorobenzene	68	U	1700	68	290	05/10/19 17:19	
Chloroethane	68	U	1700	68	290	05/10/19 17:19	
Chloroform	68	U	1700	68	290	05/10/19 17:19	
Chloromethane	480	U	1700	480	290	05/10/19 17:19	
Cyclohexane	**5500**	**D**	1700	88	290	05/10/19 17:19	
Dibromochloromethane	68	U	1700	68	290	05/10/19 17:19	
Dichlorodifluoromethane (CFC 12)	120	U	1700	120	290	05/10/19 17:19	
Dichloromethane	950	U	1700	950	290	05/10/19 17:19	
Ethylbenzene	68	U	1700	68	290	05/10/19 17:19	
Isopropylbenzene (Cumene)	**220**	**DJ**	1700	68	290	05/10/19 17:19	
Methyl Acetate	**1800**	**D**	1700	290	290	05/10/19 17:19	
Methyl tert-Butyl Ether	68	U	1700	68	290	05/10/19 17:19	
Methylcyclohexane	**15000**	**D**	1700	110	290	05/10/19 17:19	

Analytical Report

Client:	Day Environmental, Inc.	**Service Request:**	R1903959
Project:	32 York St/5598S-19	**Date Collected:**	04/30/19 10:06
Sample Matrix:	Soil	**Date Received:**	05/02/19 16:21
Sample Name:	TB-03-32 (7-8)	**Units:**	ug/Kg
Lab Code:	R1903959-007	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Q
Naphthalene	**270**	**DJ**	1700	190	290	05/10/19 17:19	
Styrene	68	U	1700	68	290	05/10/19 17:19	
Tetrachloroethene (PCE)	78	U	1700	78	290	05/10/19 17:19	
Toluene	68	U	1700	68	290	05/10/19 17:19	
Trichloroethene (TCE)	75	U	1700	75	290	05/10/19 17:19	
Trichlorofluoromethane (CFC 11)	88	U	1700	88	290	05/10/19 17:19	
Vinyl Chloride	160	U	1700	160	290	05/10/19 17:19	
cis-1,2-Dichloroethene	68	U	1700	68	290	05/10/19 17:19	
cis-1,3-Dichloropropene	68	U	1700	68	290	05/10/19 17:19	
m,p-Xylenes	130	U	3400	130	290	05/10/19 17:19	
n-Butylbenzene	**860**	**DJ**	1700	68	290	05/10/19 17:19	
n-Propylbenzene	**650**	**DJ**	1700	68	290	05/10/19 17:19	
o-Xylene	68	U	1700	68	290	05/10/19 17:19	
sec-Butylbenzene	**320**	**DJ**	1700	68	290	05/10/19 17:19	
tert-Butylbenzene	68	U	1700	68	290	05/10/19 17:19	
trans-1,2-Dichloroethene	68	U	1700	68	290	05/10/19 17:19	
trans-1,3-Dichloropropene	68	U	1700	68	290	05/10/19 17:19	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	98	31 - 154	05/10/19 17:19	
Dibromofluoromethane	93	63 - 138	05/10/19 17:19	
Toluene-d8	99	66 - 138	05/10/19 17:19	

Analytical Report

Client:	Day Environmental, Inc.	**Service Request:**	R1903959
Project:	32 York St/5598S-19	**Date Collected:**	04/30/19 09:08
Sample Matrix:	Soil	**Date Received:**	05/02/19 16:21
Sample Name:	TB-04-32 (1-4)	**Units:**	ug/Kg
Lab Code:	R1903959-009	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	0.17 U	4.1	0.17	.68	05/04/19 19:48	
1,1,2,2-Tetrachloroethane	0.17 U	4.1	0.17	.68	05/04/19 19:48	
1,1,2-Trichloroethane	0.17 U	4.1	0.17	.68	05/04/19 19:48	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.17 U	4.1	0.17	.68	05/04/19 19:48	
1,1-Dichloroethane (1,1-DCA)	0.17 U	4.1	0.17	.68	05/04/19 19:48	
1,1-Dichloroethene (1,1-DCE)	0.24 U	4.1	0.24	.68	05/04/19 19:48	
1,2,3-Trichlorobenzene	0.43 U	4.1	0.43	.68	05/04/19 19:48	
1,2,4-Trichlorobenzene	0.35 U	4.1	0.35	.68	05/04/19 19:48	
1,2,4-Trimethylbenzene	0.17 U	4.1	0.17	.68	05/04/19 19:48	
1,2-Dibromo-3-chloropropane (DBCP)	0.24 U	4.1	0.24	.68	05/04/19 19:48	
1,2-Dibromoethane	0.17 U	4.1	0.17	.68	05/04/19 19:48	
1,2-Dichlorobenzene	0.17 U	4.1	0.17	.68	05/04/19 19:48	
1,2-Dichloroethane	0.17 U	4.1	0.17	.68	05/04/19 19:48	
1,2-Dichloropropane	0.17 U	4.1	0.17	.68	05/04/19 19:48	
1,3,5-Trimethylbenzene	0.17 U	4.1	0.17	.68	05/04/19 19:48	
1,3-Dichlorobenzene	0.17 U	4.1	0.17	.68	05/04/19 19:48	
1,4-Dichlorobenzene	0.18 U	4.1	0.18	.68	05/04/19 19:48	
1,4-Dioxane	17 U	82	17	.68	05/04/19 19:48	
2-Butanone (MEK)	1.7 U	4.1	1.7	.68	05/04/19 19:48	
2-Hexanone	0.30 U	4.1	0.30	.68	05/04/19 19:48	
4-Isopropyltoluene	0.17 U	4.1	0.17	.68	05/04/19 19:48	
4-Methyl-2-pentanone	0.19 U	4.1	0.19	.68	05/04/19 19:48	
Acetone	**16**	4.1	3.9	.68	05/04/19 19:48	
Benzene	0.17 U	4.1	0.17	.68	05/04/19 19:48	
Bromochloromethane	0.17 U	4.1	0.17	.68	05/04/19 19:48	
Bromodichloromethane	0.17 U	4.1	0.17	.68	05/04/19 19:48	
Bromoform	0.41 U	4.1	0.41	.68	05/04/19 19:48	
Bromomethane	1.8 U	4.1	1.8	.68	05/04/19 19:48	
Carbon Disulfide	0.24 U	4.1	0.24	.68	05/04/19 19:48	
Carbon Tetrachloride	0.22 U	4.1	0.22	.68	05/04/19 19:48	
Chlorobenzene	0.17 U	4.1	0.17	.68	05/04/19 19:48	
Chloroethane	0.17 U	4.1	0.17	.68	05/04/19 19:48	
Chloroform	0.17 U	4.1	0.17	.68	05/04/19 19:48	
Chloromethane	1.2 U	4.1	1.2	.68	05/04/19 19:48	
Cyclohexane	**0.28 J**	4.1	0.22	.68	05/04/19 19:48	
Dibromochloromethane	0.17 U	4.1	0.17	.68	05/04/19 19:48	
Dichlorodifluoromethane (CFC 12)	0.27 U	4.1	0.27	.68	05/04/19 19:48	
Dichloromethane	2.3 U	4.1	2.3	.68	05/04/19 19:48	
Ethylbenzene	0.17 U	4.1	0.17	.68	05/04/19 19:48	
Isopropylbenzene (Cumene)	0.17 U	4.1	0.17	.68	05/04/19 19:48	
Methyl Acetate	0.69 U	4.1	0.69	.68	05/04/19 19:48	
Methyl tert-Butyl Ether	0.17 U	4.1	0.17	.68	05/04/19 19:48	
Methylcyclohexane	**0.47 J**	4.1	0.26	.68	05/04/19 19:48	

Analytical Report

Client:	Day Environmental, Inc.	**Service Request:**	R1903959
Project:	32 York St/5598S-19	**Date Collected:**	04/30/19 09:08
Sample Matrix:	Soil	**Date Received:**	05/02/19 16:21
Sample Name:	TB-04-32 (1-4)	**Units:**	ug/Kg
Lab Code:	R1903959-009	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Naphthalene	0.45 U	4.1	0.45	.68	05/04/19 19:48	
Styrene	0.17 U	4.1	0.17	.68	05/04/19 19:48	
Tetrachloroethene (PCE)	0.19 U	4.1	0.19	.68	05/04/19 19:48	
Toluene	**0.17 J**	4.1	0.17	.68	05/04/19 19:48	
Trichloroethene (TCE)	0.18 U	4.1	0.18	.68	05/04/19 19:48	
Trichlorofluoromethane (CFC 11)	**0.32 J**	4.1	0.22	.68	05/04/19 19:48	
Vinyl Chloride	0.38 U	4.1	0.38	.68	05/04/19 19:48	
cis-1,2-Dichloroethene	0.17 U	4.1	0.17	.68	05/04/19 19:48	
cis-1,3-Dichloropropene	0.17 U	4.1	0.17	.68	05/04/19 19:48	
m,p-Xylenes	0.31 U	8.2	0.31	.68	05/04/19 19:48	
n-Butylbenzene	0.17 U	4.1	0.17	.68	05/04/19 19:48	
n-Propylbenzene	0.17 U	4.1	0.17	.68	05/04/19 19:48	
o-Xylene	0.17 U	4.1	0.17	.68	05/04/19 19:48	
sec-Butylbenzene	0.17 U	4.1	0.17	.68	05/04/19 19:48	
tert-Butylbenzene	0.17 U	4.1	0.17	.68	05/04/19 19:48	
trans-1,2-Dichloroethene	0.17 U	4.1	0.17	.68	05/04/19 19:48	
trans-1,3-Dichloropropene	0.17 U	4.1	0.17	.68	05/04/19 19:48	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	71	31 - 154	05/04/19 19:48	
Dibromofluoromethane	96	63 - 138	05/04/19 19:48	
Toluene-d8	94	66 - 138	05/04/19 19:48	

Analytical Report

Client:	Day Environmental, Inc.	**Service Request:**	R1903959
Project:	32 York St/5598S-19	**Date Collected:**	05/01/19 14:45
Sample Matrix:	Water	**Date Received:**	05/02/19 16:21
Sample Name:	TMW-01-32	**Units:**	ug/L
Lab Code:	R1903959-011	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	0.21 U	5.0	0.21	1	05/06/19 17:42	
1,1,2,2-Tetrachloroethane	0.20 U	5.0	0.20	1	05/06/19 17:42	
1,1,2-Trichloroethane	0.20 U	5.0	0.20	1	05/06/19 17:42	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.20 U	5.0	0.20	1	05/06/19 17:42	
1,1-Dichloroethane (1,1-DCA)	0.20 U	5.0	0.20	1	05/06/19 17:42	
1,1-Dichloroethene (1,1-DCE)	0.25 U	5.0	0.25	1	05/06/19 17:42	
1,2,3-Trichlorobenzene	0.20 U	5.0	0.20	1	05/06/19 17:42	
1,2,4-Trichlorobenzene	0.25 U	5.0	0.25	1	05/06/19 17:42	
1,2,4-Trimethylbenzene	0.20 U	5.0	0.20	1	05/06/19 17:42	
1,2-Dibromo-3-chloropropane (DBCP)	0.45 U	5.0	0.45	1	05/06/19 17:42	
1,2-Dibromoethane	0.20 U	5.0	0.20	1	05/06/19 17:42	
1,2-Dichlorobenzene	0.20 U	5.0	0.20	1	05/06/19 17:42	
1,2-Dichloroethane	0.20 U	5.0	0.20	1	05/06/19 17:42	
1,2-Dichloropropane	0.20 U	5.0	0.20	1	05/06/19 17:42	
1,3,5-Trimethylbenzene	0.20 U	5.0	0.20	1	05/06/19 17:42	
1,3-Dichlorobenzene	0.20 U	5.0	0.20	1	05/06/19 17:42	
1,4-Dichlorobenzene	0.20 U	5.0	0.20	1	05/06/19 17:42	
1,4-Dioxane	13 U	100	13	1	05/06/19 17:42	
2-Butanone (MEK)	0.78 U	10	0.78	1	05/06/19 17:42	
2-Hexanone	0.20 U	10	0.20	1	05/06/19 17:42	
4-Isopropyltoluene	0.20 U	5.0	0.20	1	05/06/19 17:42	
4-Methyl-2-pentanone	0.20 U	10	0.20	1	05/06/19 17:42	
Acetone	**2.5 J**	10	2.1	1	05/06/19 17:42	
Benzene	0.20 U	5.0	0.20	1	05/06/19 17:42	
Bromochloromethane	0.24 U	5.0	0.24	1	05/06/19 17:42	
Bromodichloromethane	0.22 U	5.0	0.22	1	05/06/19 17:42	
Bromoform	0.25 U	5.0	0.25	1	05/06/19 17:42	
Bromomethane	0.70 U	5.0	0.70	1	05/06/19 17:42	
Carbon Disulfide	0.25 U	10	0.25	1	05/06/19 17:42	
Carbon Tetrachloride	0.34 U	5.0	0.34	1	05/06/19 17:42	
Chlorobenzene	0.20 U	5.0	0.20	1	05/06/19 17:42	
Chloroethane	0.23 U	5.0	0.23	1	05/06/19 17:42	
Chloroform	0.24 U	5.0	0.24	1	05/06/19 17:42	
Chloromethane	0.28 U	5.0	0.28	1	05/06/19 17:42	
Cyclohexane	0.26 U	10	0.26	1	05/06/19 17:42	
Dibromochloromethane	0.20 U	5.0	0.20	1	05/06/19 17:42	
Dichlorodifluoromethane (CFC 12)	0.21 U	5.0	0.21	1	05/06/19 17:42	
Dichloromethane	0.36 U	5.0	0.36	1	05/06/19 17:42	
Ethylbenzene	0.20 U	5.0	0.20	1	05/06/19 17:42	
Isopropylbenzene (Cumene)	0.20 U	5.0	0.20	1	05/06/19 17:42	
Methyl Acetate	0.33 U	10	0.33	1	05/06/19 17:42	
Methyl tert-Butyl Ether	0.20 U	5.0	0.20	1	05/06/19 17:42	
Methylcyclohexane	**0.37 J**	10	0.20	1	05/06/19 17:42	

Analytical Report

Client:	Day Environmental, Inc.	**Service Request:**	R1903959
Project:	32 York St/5598S-19	**Date Collected:**	05/01/19 14:45
Sample Matrix:	Water	**Date Received:**	05/02/19 16:21
Sample Name:	TMW-01-32	**Units:**	ug/L
Lab Code:	R1903959-011	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Naphthalene	0.24 U	5.0	0.24	1	05/06/19 17:42	
Styrene	0.20 U	5.0	0.20	1	05/06/19 17:42	
Tetrachloroethene (PCE)	**0.33 J**	5.0	0.21	1	05/06/19 17:42	
Toluene	0.20 U	5.0	0.20	1	05/06/19 17:42	
Trichloroethene (TCE)	0.20 U	5.0	0.20	1	05/06/19 17:42	
Trichlorofluoromethane (CFC 11)	0.24 U	5.0	0.24	1	05/06/19 17:42	
Vinyl Chloride	0.20 U	5.0	0.20	1	05/06/19 17:42	
cis-1,2-Dichloroethene	0.23 U	5.0	0.23	1	05/06/19 17:42	
cis-1,3-Dichloropropene	0.20 U	5.0	0.20	1	05/06/19 17:42	
m,p-Xylenes	0.20 U	5.0	0.20	1	05/06/19 17:42	
n-Butylbenzene	0.20 U	5.0	0.20	1	05/06/19 17:42	
n-Propylbenzene	0.20 U	5.0	0.20	1	05/06/19 17:42	
o-Xylene	0.20 U	5.0	0.20	1	05/06/19 17:42	
sec-Butylbenzene	0.20 U	5.0	0.20	1	05/06/19 17:42	
tert-Butylbenzene	0.20 U	5.0	0.20	1	05/06/19 17:42	
trans-1,2-Dichloroethene	0.20 U	5.0	0.20	1	05/06/19 17:42	
trans-1,3-Dichloropropene	0.23 U	5.0	0.23	1	05/06/19 17:42	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	95	85 - 122	05/06/19 17:42	
Dibromofluoromethane	98	89 - 119	05/06/19 17:42	
Toluene-d8	101	87 - 121	05/06/19 17:42	

Analytical Report

Client:	Day Environmental, Inc.	**Service Request:**	R1903959
Project:	32 York St/5598S-19	**Date Collected:**	05/01/19 12:50
Sample Matrix:	Water	**Date Received:**	05/02/19 16:21
Sample Name:	TMW-02-32	**Units:**	ug/L
Lab Code:	R1903959-012	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	0.21 U	5.0	0.21	1	05/06/19 18:03	
1,1,2,2-Tetrachloroethane	0.20 U	5.0	0.20	1	05/06/19 18:03	
1,1,2-Trichloroethane	0.20 U	5.0	0.20	1	05/06/19 18:03	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.20 U	5.0	0.20	1	05/06/19 18:03	
1,1-Dichloroethane (1,1-DCA)	0.20 U	5.0	0.20	1	05/06/19 18:03	
1,1-Dichloroethene (1,1-DCE)	0.25 U	5.0	0.25	1	05/06/19 18:03	
1,2,3-Trichlorobenzene	0.20 U	5.0	0.20	1	05/06/19 18:03	
1,2,4-Trichlorobenzene	0.25 U	5.0	0.25	1	05/06/19 18:03	
1,2,4-Trimethylbenzene	**0.25 J**	5.0	0.20	1	05/06/19 18:03	
1,2-Dibromo-3-chloropropane (DBCP)	0.45 U	5.0	0.45	1	05/06/19 18:03	
1,2-Dibromoethane	0.20 U	5.0	0.20	1	05/06/19 18:03	
1,2-Dichlorobenzene	0.20 U	5.0	0.20	1	05/06/19 18:03	
1,2-Dichloroethane	0.20 U	5.0	0.20	1	05/06/19 18:03	
1,2-Dichloropropane	0.20 U	5.0	0.20	1	05/06/19 18:03	
1,3,5-Trimethylbenzene	0.20 U	5.0	0.20	1	05/06/19 18:03	
1,3-Dichlorobenzene	0.20 U	5.0	0.20	1	05/06/19 18:03	
1,4-Dichlorobenzene	0.20 U	5.0	0.20	1	05/06/19 18:03	
1,4-Dioxane	13 U	100	13	1	05/06/19 18:03	
2-Butanone (MEK)	0.78 U	10	0.78	1	05/06/19 18:03	
2-Hexanone	0.20 U	10	0.20	1	05/06/19 18:03	
4-Isopropyltoluene	0.20 U	5.0	0.20	1	05/06/19 18:03	
4-Methyl-2-pentanone	0.20 U	10	0.20	1	05/06/19 18:03	
Acetone	2.1 U	10	2.1	1	05/06/19 18:03	
Benzene	0.20 U	5.0	0.20	1	05/06/19 18:03	
Bromochloromethane	0.24 U	5.0	0.24	1	05/06/19 18:03	
Bromodichloromethane	0.22 U	5.0	0.22	1	05/06/19 18:03	
Bromoform	0.25 U	5.0	0.25	1	05/06/19 18:03	
Bromomethane	0.70 U	5.0	0.70	1	05/06/19 18:03	
Carbon Disulfide	0.25 U	10	0.25	1	05/06/19 18:03	
Carbon Tetrachloride	0.34 U	5.0	0.34	1	05/06/19 18:03	
Chlorobenzene	0.20 U	5.0	0.20	1	05/06/19 18:03	
Chloroethane	0.23 U	5.0	0.23	1	05/06/19 18:03	
Chloroform	0.24 U	5.0	0.24	1	05/06/19 18:03	
Chloromethane	0.28 U	5.0	0.28	1	05/06/19 18:03	
Cyclohexane	0.26 U	10	0.26	1	05/06/19 18:03	
Dibromochloromethane	0.20 U	5.0	0.20	1	05/06/19 18:03	
Dichlorodifluoromethane (CFC 12)	0.21 U	5.0	0.21	1	05/06/19 18:03	
Dichloromethane	0.36 U	5.0	0.36	1	05/06/19 18:03	
Ethylbenzene	0.20 U	5.0	0.20	1	05/06/19 18:03	
Isopropylbenzene (Cumene)	0.20 U	5.0	0.20	1	05/06/19 18:03	
Methyl Acetate	0.33 U	10	0.33	1	05/06/19 18:03	
Methyl tert-Butyl Ether	0.20 U	5.0	0.20	1	05/06/19 18:03	
Methylcyclohexane	**0.45 J**	10	0.20	1	05/06/19 18:03	

Analytical Report

Client:	Day Environmental, Inc.	**Service Request:**	R1903959
Project:	32 York St/5598S-19	**Date Collected:**	05/01/19 12:50
Sample Matrix:	Water	**Date Received:**	05/02/19 16:21
Sample Name:	TMW-02-32	**Units:**	ug/L
Lab Code:	R1903959-012	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Naphthalene	0.24 U	5.0	0.24	1	05/06/19 18:03	
Styrene	0.20 U	5.0	0.20	1	05/06/19 18:03	
Tetrachloroethene (PCE)	0.21 U	5.0	0.21	1	05/06/19 18:03	
Toluene	**0.36 J**	5.0	0.20	1	05/06/19 18:03	
Trichloroethene (TCE)	0.20 U	5.0	0.20	1	05/06/19 18:03	
Trichlorofluoromethane (CFC 11)	0.24 U	5.0	0.24	1	05/06/19 18:03	
Vinyl Chloride	0.20 U	5.0	0.20	1	05/06/19 18:03	
cis-1,2-Dichloroethene	0.23 U	5.0	0.23	1	05/06/19 18:03	
cis-1,3-Dichloropropene	0.20 U	5.0	0.20	1	05/06/19 18:03	
m,p-Xylenes	**0.42 J**	5.0	0.20	1	05/06/19 18:03	
n-Butylbenzene	0.20 U	5.0	0.20	1	05/06/19 18:03	
n-Propylbenzene	0.20 U	5.0	0.20	1	05/06/19 18:03	
o-Xylene	0.20 U	5.0	0.20	1	05/06/19 18:03	
sec-Butylbenzene	0.20 U	5.0	0.20	1	05/06/19 18:03	
tert-Butylbenzene	0.20 U	5.0	0.20	1	05/06/19 18:03	
trans-1,2-Dichloroethene	0.20 U	5.0	0.20	1	05/06/19 18:03	
trans-1,3-Dichloropropene	0.23 U	5.0	0.23	1	05/06/19 18:03	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	85 - 122	05/06/19 18:03	
Dibromofluoromethane	101	89 - 119	05/06/19 18:03	
Toluene-d8	103	87 - 121	05/06/19 18:03	

Analytical Report

Client:	Day Environmental, Inc.	**Service Request:**	R1903959
Project:	32 York St/5598S-19	**Date Collected:**	05/01/19 13:30
Sample Matrix:	Water	**Date Received:**	05/02/19 16:21
Sample Name:	TMW-03-32	**Units:**	ug/L
Lab Code:	R1903959-013	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	0.53 U	13	0.53	2.5	05/08/19 15:05	
1,1,2,2-Tetrachloroethane	0.50 U	13	0.50	2.5	05/08/19 15:05	
1,1,2-Trichloroethane	0.50 U	13	0.50	2.5	05/08/19 15:05	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50 U	13	0.50	2.5	05/08/19 15:05	
1,1-Dichloroethane (1,1-DCA)	0.50 U	13	0.50	2.5	05/08/19 15:05	
1,1-Dichloroethene (1,1-DCE)	0.63 U	13	0.63	2.5	05/08/19 15:05	
1,2,3-Trichlorobenzene	0.50 U	13	0.50	2.5	05/08/19 15:05	
1,2,4-Trichlorobenzene	0.63 U	13	0.63	2.5	05/08/19 15:05	
1,2,4-Trimethylbenzene	**0.85 J**	13	0.50	2.5	05/08/19 15:05	
1,2-Dibromo-3-chloropropane (DBCP)	1.2 U	13	1.2	2.5	05/08/19 15:05	
1,2-Dibromoethane	0.50 U	13	0.50	2.5	05/08/19 15:05	
1,2-Dichlorobenzene	0.50 U	13	0.50	2.5	05/08/19 15:05	
1,2-Dichloroethane	0.50 U	13	0.50	2.5	05/08/19 15:05	
1,2-Dichloropropane	0.50 U	13	0.50	2.5	05/08/19 15:05	
1,3,5-Trimethylbenzene	0.50 U	13	0.50	2.5	05/08/19 15:05	
1,3-Dichlorobenzene	0.50 U	13	0.50	2.5	05/08/19 15:05	
1,4-Dichlorobenzene	0.50 U	13	0.50	2.5	05/08/19 15:05	
1,4-Dioxane	33 U	250	33	2.5	05/08/19 15:05	
2-Butanone (MEK)	**78**	25	2.0	2.5	05/08/19 15:05	
2-Hexanone	**12 J**	25	0.50	2.5	05/08/19 15:05	
4-Isopropyltoluene	**3.6 J**	13	0.50	2.5	05/08/19 15:05	
4-Methyl-2-pentanone	**7.0 J**	25	0.50	2.5	05/08/19 15:05	
Acetone	**220**	25	5.3	2.5	05/08/19 15:05	
Benzene	0.50 U	13	0.50	2.5	05/08/19 15:05	
Bromochloromethane	0.60 U	13	0.60	2.5	05/08/19 15:05	
Bromodichloromethane	0.55 U	13	0.55	2.5	05/08/19 15:05	
Bromoform	0.63 U	13	0.63	2.5	05/08/19 15:05	
Bromomethane	1.8 U	13	1.8	2.5	05/08/19 15:05	
Carbon Disulfide	0.63 U	25	0.63	2.5	05/08/19 15:05	
Carbon Tetrachloride	0.85 U	13	0.85	2.5	05/08/19 15:05	
Chlorobenzene	0.50 U	13	0.50	2.5	05/08/19 15:05	
Chloroethane	**1.9 J**	13	0.58	2.5	05/08/19 15:05	
Chloroform	0.60 U	13	0.60	2.5	05/08/19 15:05	
Chloromethane	**1.2 J**	13	0.70	2.5	05/08/19 15:05	
Cyclohexane	**62**	25	0.65	2.5	05/08/19 15:05	
Dibromochloromethane	0.50 U	13	0.50	2.5	05/08/19 15:05	
Dichlorodifluoromethane (CFC 12)	0.53 U	13	0.53	2.5	05/08/19 15:05	
Dichloromethane	0.90 U	13	0.90	2.5	05/08/19 15:05	
Ethylbenzene	**2.1 J**	13	0.50	2.5	05/08/19 15:05	
Isopropylbenzene (Cumene)	**15**	13	0.50	2.5	05/08/19 15:05	
Methyl Acetate	0.83 U	25	0.83	2.5	05/08/19 15:05	
Methyl tert-Butyl Ether	0.50 U	13	0.50	2.5	05/08/19 15:05	
Methylcyclohexane	**210**	25	0.50	2.5	05/08/19 15:05	

Analytical Report

Client:	Day Environmental, Inc.	**Service Request:**	R1903959
Project:	32 York St/5598S-19	**Date Collected:**	05/01/19 13:30
Sample Matrix:	Water	**Date Received:**	05/02/19 16:21
Sample Name:	TMW-03-32	**Units:**	ug/L
Lab Code:	R1903959-013	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Naphthalene	**28**	13	0.60	2.5	05/08/19 15:05	
Styrene	0.50 U	13	0.50	2.5	05/08/19 15:05	
Tetrachloroethene (PCE)	0.53 U	13	0.53	2.5	05/08/19 15:05	
Toluene	**0.55 J**	13	0.50	2.5	05/08/19 15:05	
Trichloroethene (TCE)	0.50 U	13	0.50	2.5	05/08/19 15:05	
Trichlorofluoromethane (CFC 11)	0.60 U	13	0.60	2.5	05/08/19 15:05	
Vinyl Chloride	0.50 U	13	0.50	2.5	05/08/19 15:05	
cis-1,2-Dichloroethene	0.58 U	13	0.58	2.5	05/08/19 15:05	
cis-1,3-Dichloropropene	0.50 U	13	0.50	2.5	05/08/19 15:05	
m,p-Xylenes	**0.85 J**	13	0.50	2.5	05/08/19 15:05	
n-Butylbenzene	**16**	13	0.50	2.5	05/08/19 15:05	
n-Propylbenzene	**39**	13	0.50	2.5	05/08/19 15:05	
o-Xylene	0.50 U	13	0.50	2.5	05/08/19 15:05	
sec-Butylbenzene	**9.2 J**	13	0.50	2.5	05/08/19 15:05	
tert-Butylbenzene	**2.0 J**	13	0.50	2.5	05/08/19 15:05	
trans-1,2-Dichloroethene	0.50 U	13	0.50	2.5	05/08/19 15:05	
trans-1,3-Dichloropropene	0.58 U	13	0.58	2.5	05/08/19 15:05	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	98	85 - 122	05/08/19 15:05	
Dibromofluoromethane	99	89 - 119	05/08/19 15:05	
Toluene-d8	100	87 - 121	05/08/19 15:05	

Analytical Report

Client:	Day Environmental, Inc.	**Service Request:**	R1903959
Project:	32 York St/5598S-19	**Date Collected:**	05/01/19 14:25
Sample Matrix:	Water	**Date Received:**	05/02/19 16:21
Sample Name:	TMW-04-32	**Units:**	ug/L
Lab Code:	R1903959-014	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	0.21 U	5.0	0.21	1	05/06/19 18:25	
1,1,2,2-Tetrachloroethane	0.20 U	5.0	0.20	1	05/06/19 18:25	
1,1,2-Trichloroethane	0.20 U	5.0	0.20	1	05/06/19 18:25	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.20 U	5.0	0.20	1	05/06/19 18:25	
1,1-Dichloroethane (1,1-DCA)	0.20 U	5.0	0.20	1	05/06/19 18:25	
1,1-Dichloroethene (1,1-DCE)	0.25 U	5.0	0.25	1	05/06/19 18:25	
1,2,3-Trichlorobenzene	0.20 U	5.0	0.20	1	05/06/19 18:25	
1,2,4-Trichlorobenzene	0.25 U	5.0	0.25	1	05/06/19 18:25	
1,2,4-Trimethylbenzene	0.20 U	5.0	0.20	1	05/06/19 18:25	
1,2-Dibromo-3-chloropropane (DBCP)	0.45 U	5.0	0.45	1	05/06/19 18:25	
1,2-Dibromoethane	0.20 U	5.0	0.20	1	05/06/19 18:25	
1,2-Dichlorobenzene	0.20 U	5.0	0.20	1	05/06/19 18:25	
1,2-Dichloroethane	0.20 U	5.0	0.20	1	05/06/19 18:25	
1,2-Dichloropropane	0.20 U	5.0	0.20	1	05/06/19 18:25	
1,3,5-Trimethylbenzene	0.20 U	5.0	0.20	1	05/06/19 18:25	
1,3-Dichlorobenzene	0.20 U	5.0	0.20	1	05/06/19 18:25	
1,4-Dichlorobenzene	0.20 U	5.0	0.20	1	05/06/19 18:25	
1,4-Dioxane	13 U	100	13	1	05/06/19 18:25	
2-Butanone (MEK)	0.78 U	10	0.78	1	05/06/19 18:25	
2-Hexanone	0.20 U	10	0.20	1	05/06/19 18:25	
4-Isopropyltoluene	0.20 U	5.0	0.20	1	05/06/19 18:25	
4-Methyl-2-pentanone	0.20 U	10	0.20	1	05/06/19 18:25	
Acetone	**8.7 J**	10	2.1	1	05/06/19 18:25	
Benzene	0.20 U	5.0	0.20	1	05/06/19 18:25	
Bromochloromethane	0.24 U	5.0	0.24	1	05/06/19 18:25	
Bromodichloromethane	**2.2 J**	5.0	0.22	1	05/06/19 18:25	
Bromoform	0.25 U	5.0	0.25	1	05/06/19 18:25	
Bromomethane	0.70 U	5.0	0.70	1	05/06/19 18:25	
Carbon Disulfide	0.25 U	10	0.25	1	05/06/19 18:25	
Carbon Tetrachloride	0.34 U	5.0	0.34	1	05/06/19 18:25	
Chlorobenzene	0.20 U	5.0	0.20	1	05/06/19 18:25	
Chloroethane	0.23 U	5.0	0.23	1	05/06/19 18:25	
Chloroform	**5.7**	5.0	0.24	1	05/06/19 18:25	
Chloromethane	0.28 U	5.0	0.28	1	05/06/19 18:25	
Cyclohexane	0.26 U	10	0.26	1	05/06/19 18:25	
Dibromochloromethane	**0.78 J**	5.0	0.20	1	05/06/19 18:25	
Dichlorodifluoromethane (CFC 12)	0.21 U	5.0	0.21	1	05/06/19 18:25	
Dichloromethane	0.36 U	5.0	0.36	1	05/06/19 18:25	
Ethylbenzene	0.20 U	5.0	0.20	1	05/06/19 18:25	
Isopropylbenzene (Cumene)	0.20 U	5.0	0.20	1	05/06/19 18:25	
Methyl Acetate	0.33 U	10	0.33	1	05/06/19 18:25	
Methyl tert-Butyl Ether	0.20 U	5.0	0.20	1	05/06/19 18:25	
Methylcyclohexane	0.20 U	10	0.20	1	05/06/19 18:25	

Analytical Report

Client:	Day Environmental, Inc.	**Service Request:**	R1903959
Project:	32 York St/5598S-19	**Date Collected:**	05/01/19 14:25
Sample Matrix:	Water	**Date Received:**	05/02/19 16:21
Sample Name:	TMW-04-32	**Units:**	ug/L
Lab Code:	R1903959-014	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Naphthalene	0.24 U	5.0	0.24	1	05/06/19 18:25	
Styrene	0.20 U	5.0	0.20	1	05/06/19 18:25	
Tetrachloroethene (PCE)	0.21 U	5.0	0.21	1	05/06/19 18:25	
Toluene	**0.22 J**	5.0	0.20	1	05/06/19 18:25	
Trichloroethene (TCE)	0.20 U	5.0	0.20	1	05/06/19 18:25	
Trichlorofluoromethane (CFC 11)	0.24 U	5.0	0.24	1	05/06/19 18:25	
Vinyl Chloride	0.20 U	5.0	0.20	1	05/06/19 18:25	
cis-1,2-Dichloroethene	0.23 U	5.0	0.23	1	05/06/19 18:25	
cis-1,3-Dichloropropene	0.20 U	5.0	0.20	1	05/06/19 18:25	
m,p-Xylenes	0.20 U	5.0	0.20	1	05/06/19 18:25	
n-Butylbenzene	0.20 U	5.0	0.20	1	05/06/19 18:25	
n-Propylbenzene	0.20 U	5.0	0.20	1	05/06/19 18:25	
o-Xylene	0.20 U	5.0	0.20	1	05/06/19 18:25	
sec-Butylbenzene	0.20 U	5.0	0.20	1	05/06/19 18:25	
tert-Butylbenzene	0.20 U	5.0	0.20	1	05/06/19 18:25	
trans-1,2-Dichloroethene	0.20 U	5.0	0.20	1	05/06/19 18:25	
trans-1,3-Dichloropropene	0.23 U	5.0	0.23	1	05/06/19 18:25	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	95	85 - 122	05/06/19 18:25	
Dibromofluoromethane	99	89 - 119	05/06/19 18:25	
Toluene-d8	101	87 - 121	05/06/19 18:25	

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\050419\
Data File : F6464.D
Acq On : 4 May 2019 7:02 pm
Operator : F.NAEGLER
Sample : R1903959-001|0.79 Inst : MSVOA14
Misc : DAY 19396 T4
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 06 16:00:18 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
Quant Title : MS#14 - 8260 SOILS 10ml PURGE
QLast Update : Mon Apr 22 10:00:17 2019
Response via : Initial Calibration

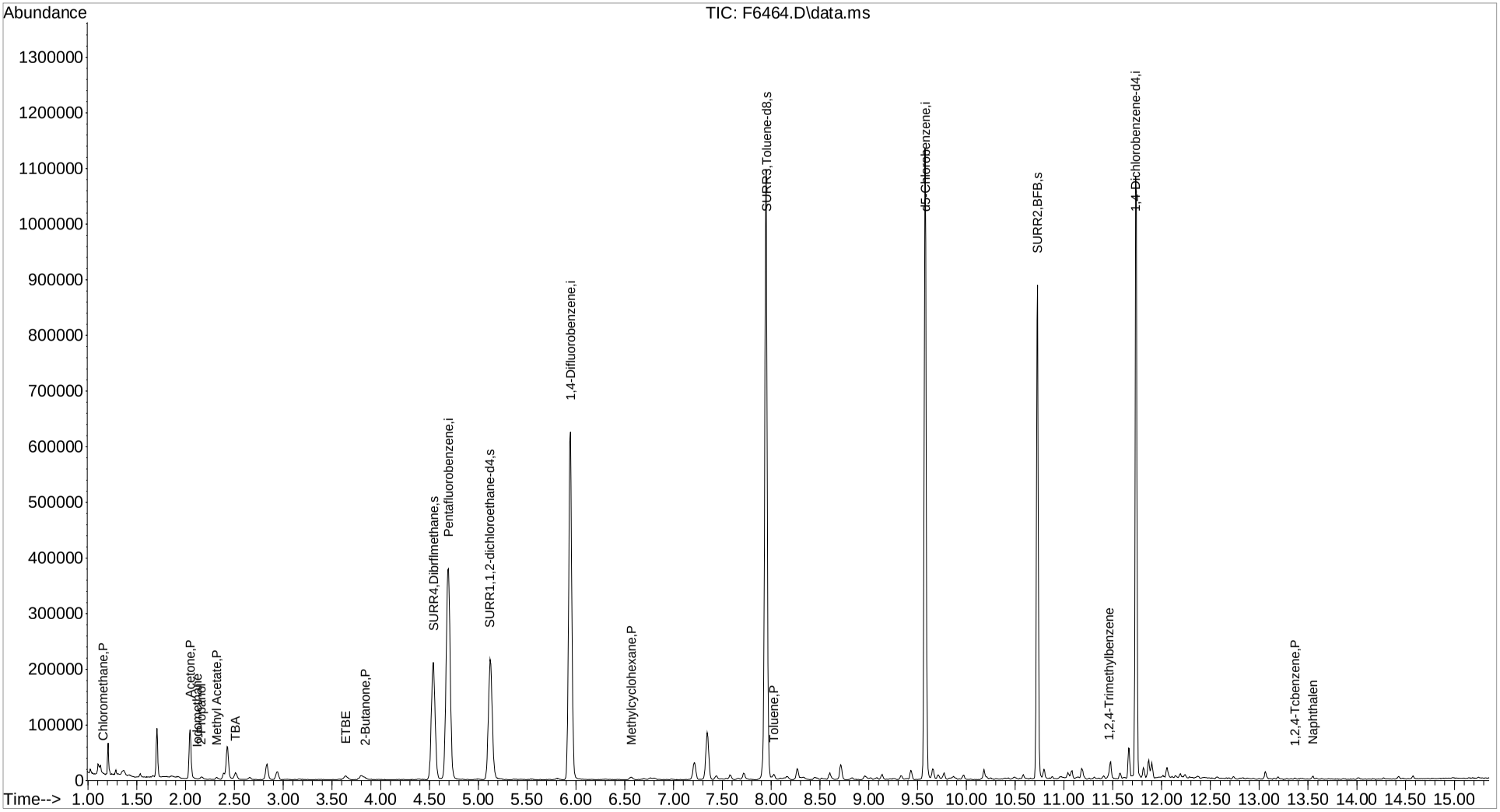
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.693	168	389676	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	5.943	114	607661	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.577	117	504934	50.00	ug/L	0.00
87) 1,4-Dichlorobenzene-d4	11.735	152	217624	50.00	ug/L	0.00
System Monitoring Compounds						
44) SURR4,Dibrflmethane	4.541	113	174535	48.35	ug/L	0.00
Spiked Amount 50.000	Range 63 - 138		Recovery = 96.70%			
47) SURR1,1,2-dichloroetha...	5.120	65	214760	49.42	ug/L	0.00
Spiked Amount 50.000	Range 67 - 128		Recovery = 98.84%			
64) SURR3,Toluene-d8	7.949	98	697578	47.32	ug/L	0.00
Spiked Amount 50.000	Range 66 - 138		Recovery = 94.64%			
69) SURR2,BFB	10.729	95	241634	40.98	ug/L	0.00
Spiked Amount 50.000	Range 31 - 154		Recovery = 81.96%			
Target Compounds						Qvalue
3) Chloromethane	1.151	50	1345	0.27	ug/L	100
5) Bromomethane	1.420	94	1210	Below Cal		94
15) Acetone	2.048	43	85321	56.27	ug/L	90
16) 2-Propanol	2.163	45	4096	13.31	ug/L	93
17) Iodomethane	2.121	142	315	1.09	ug/L #	63
21) Methyl Acetate	2.322	43	3495	1.17	ug/L	91
23) TBA	2.511	59	8624	15.91	ug/L	84
31) ETBE	3.639	59	6721	0.60	ug/L	88
34) 2-Butanone	3.840	43	4939	2.39	ug/L	86
54) Methylcyclohexane	6.565	55	1936	0.37	ug/L #	49
65) Toluene	8.028	91	5113	0.31	ug/L	96
96) 1,2,4-Trimethylbenzene	11.460	105	2859	0.25	ug/L	85
105) 1,2,4-Tcbenzene	13.362	180	292	0.49	ug/L #	37
107) Naphthalen	13.551	128	3358	1.04	ug/L	96

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

Quantitation Report (QT Reviewed)

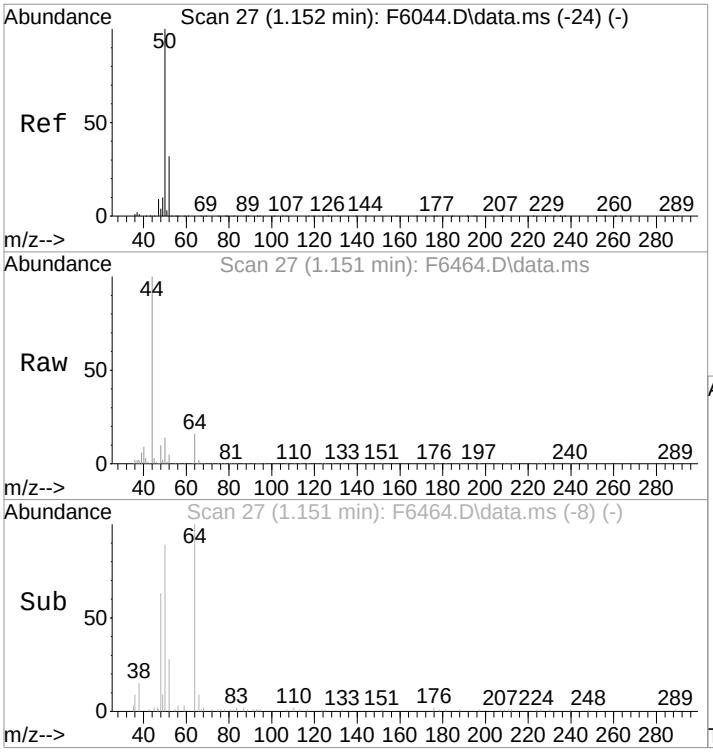
Data Path : I:\ACQUDATA\MSVOA14\Data\050419\
Data File : F6464.D
Acq On : 4 May 2019 7:02 pm
Operator : F.NAEGLER
Sample : R1903959-001|0.79 Inst : MSVOA14
Misc : DAY 19396 T4
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 06 16:00:18 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
Quant Title : MS#14 - 8260 SOILS 10ml PURGE
QLast Update : Mon Apr 22 10:00:17 2019
Response via : Initial Calibration



1st 05/06/19
2nd 05/08/19

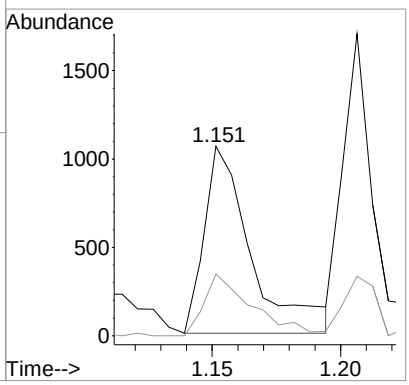
1st FW 05/06/19
2nd MR 05/08/19

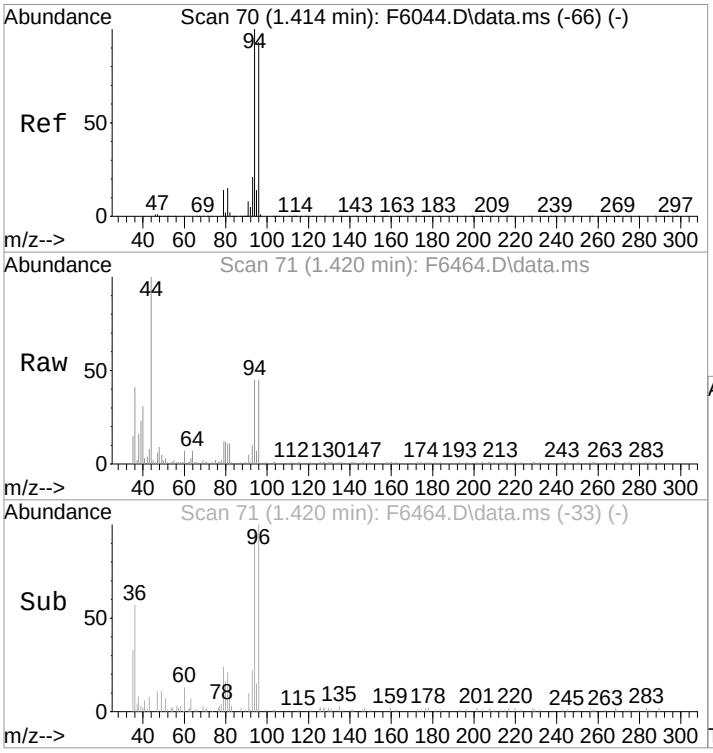


#3
Chloromethane
Concen: 0.27 ug/L
RT: 1.151 min Scan# 27
Delta R.T. -0.000 min
Lab File: F6464.D
Acq: 4 May 2019 7:02 pm

Tgt Ion: 50 Resp: 1345

Ion	Ratio	Lower	Upper
50	100		
52	32.7	12.4	52.4

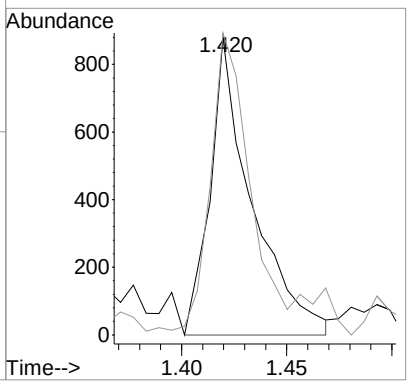


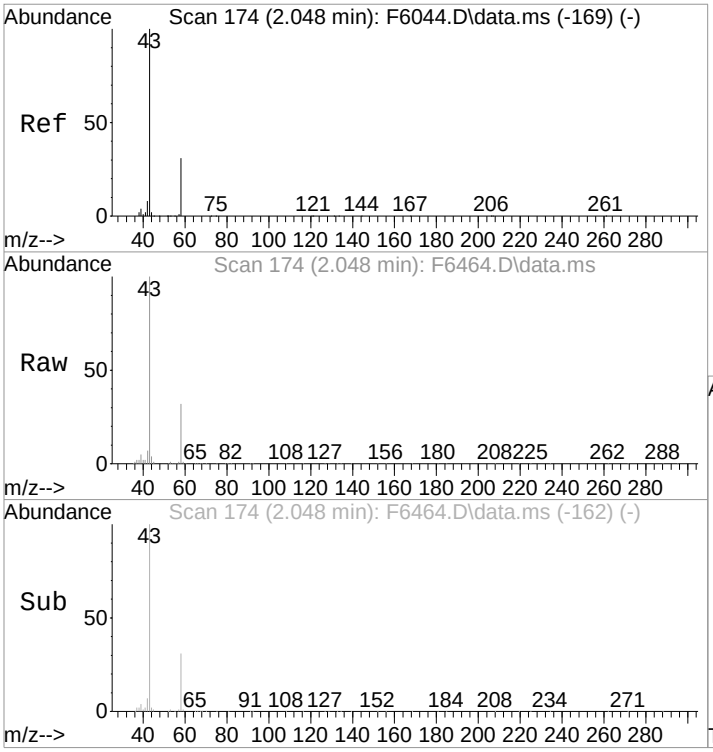


#5
Bromomethane
Concen: Below Cal
RT: 1.420 min Scan# 71
Delta R.T. 0.007 min
Lab File: F6464.D
Acq: 4 May 2019 7:02 pm

Tgt Ion: 94 Resp: 1210

Ion	Ratio	Lower	Upper
94	100		
96	101.5	75.4	115.4

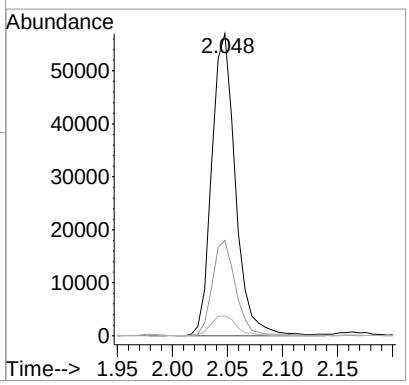


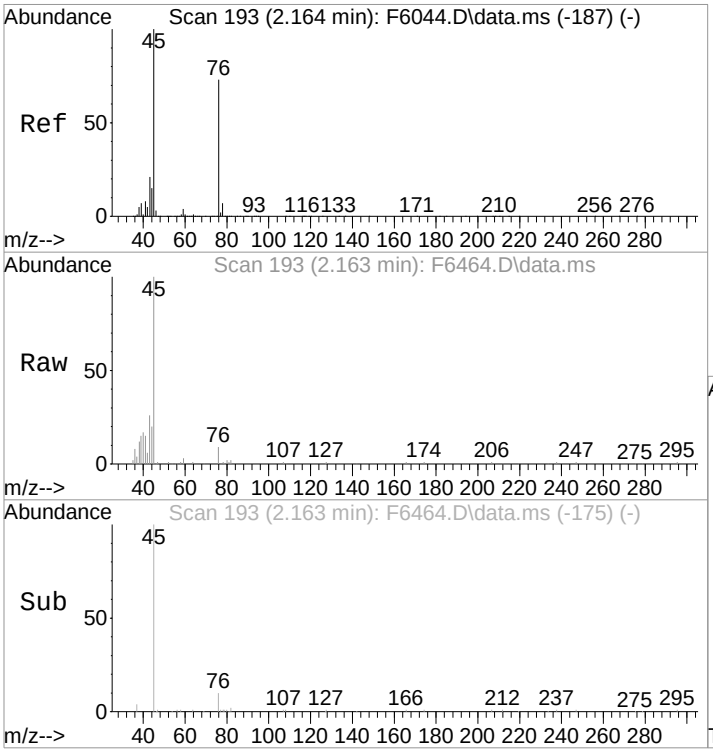


#15
Acetone
Concen: 56.27 ug/L
RT: 2.048 min Scan# 174
Delta R.T. 0.001 min
Lab File: F6464.D
Acq: 4 May 2019 7:02 pm

Tgt Ion: 43 Resp: 85321

Ion	Ratio	Lower	Upper
43	100		
58	31.6	5.1	45.1
42	6.6	0.0	27.4

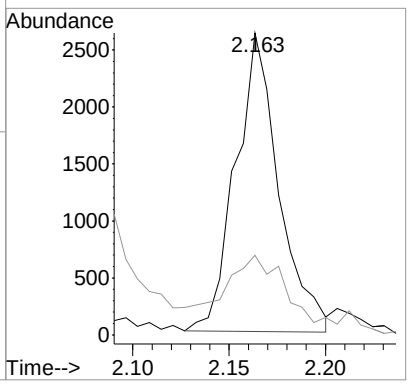


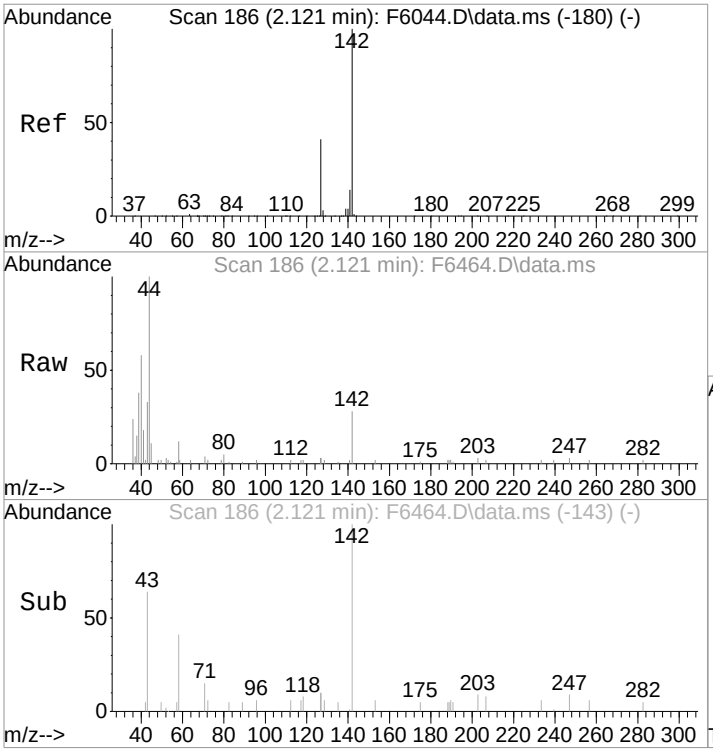


#16
2-Propanol
Concen: 13.31 ug/L
RT: 2.163 min Scan# 193
Delta R.T. -0.000 min
Lab File: F6464.D
Acq: 4 May 2019 7:02 pm

Tgt Ion: 45 Resp: 4096

Ion	Ratio	Lower	Upper
45	100		
43	26.3	2.7	42.7

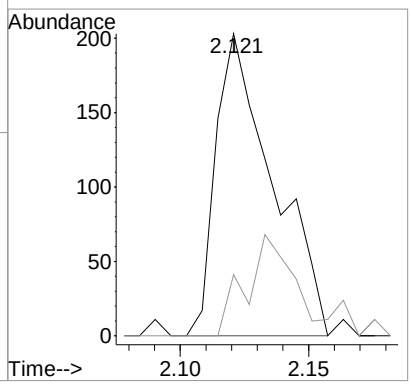


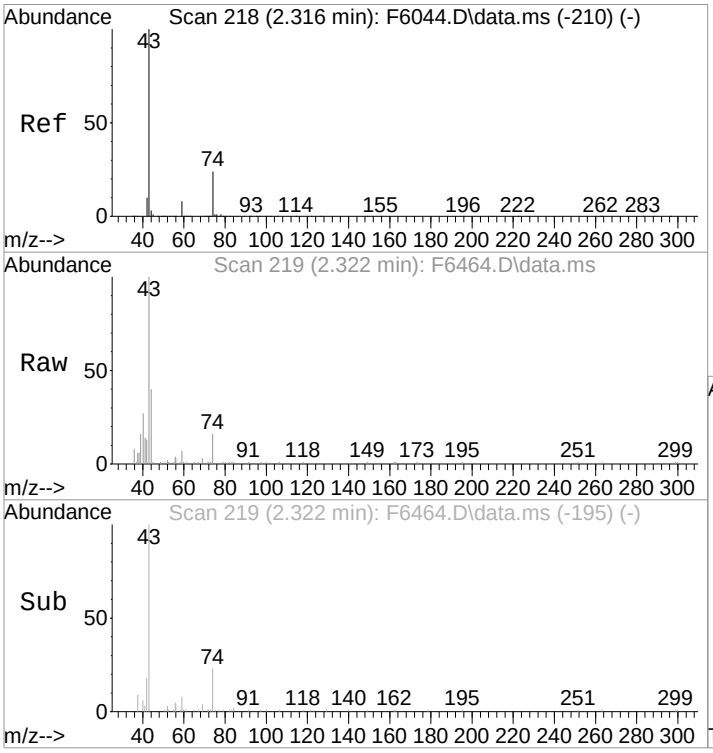


#17
Iodomethane
Concen: 1.09 ug/L
RT: 2.121 min Scan# 186
Delta R.T. 0.001 min
Lab File: F6464.D
Acq: 4 May 2019 7:02 pm

Tgt Ion:142 Resp: 315

Ion	Ratio	Lower	Upper
142	100		
127	20.2	24.5	64.5#

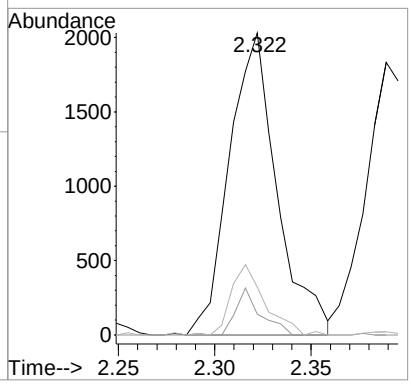


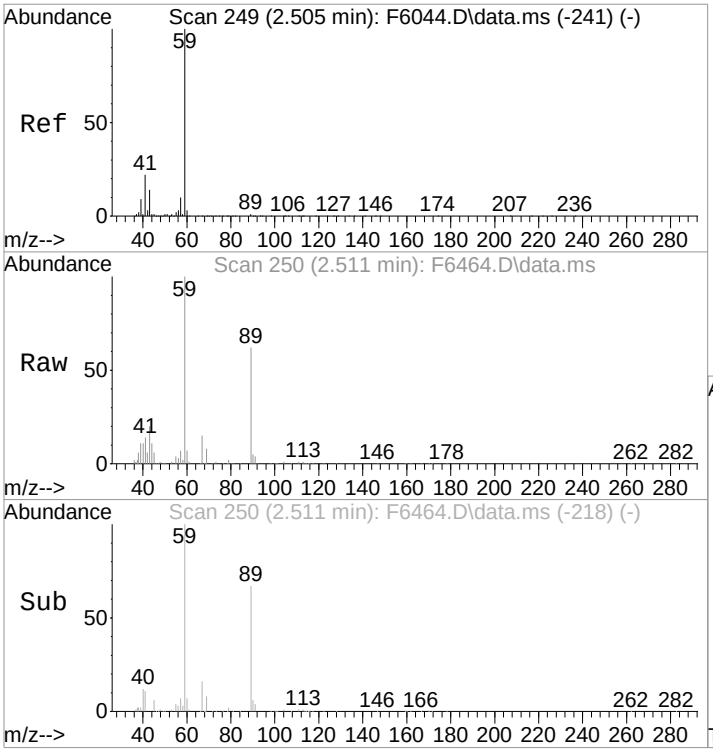


#21
Methyl Acetate
Concen: 1.17 ug/L
RT: 2.322 min Scan# 219
Delta R.T. 0.006 min
Lab File: F6464.D
Acq: 4 May 2019 7:02 pm

Tgt Ion: 43 Resp: 3495

Ion	Ratio	Lower	Upper
43	100		
59	7.4	0.0	26.6
74	15.9	1.2	41.2

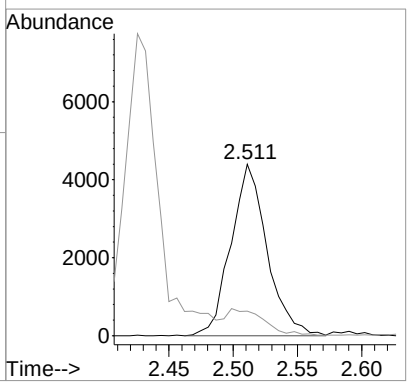


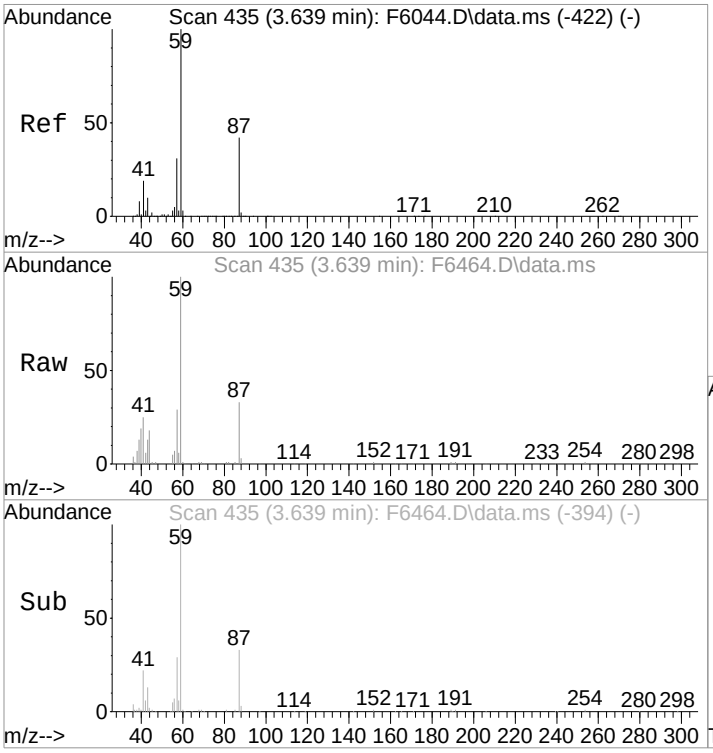


#23
TBA
Concen: 15.91 ug/L
RT: 2.511 min Scan# 250
Delta R.T. 0.006 min
Lab File: F6464.D
Acq: 4 May 2019 7:02 pm

Tgt Ion: 59 Resp: 8624

Ion	Ratio	Lower	Upper
59	100		
41	14.4	2.0	42.0

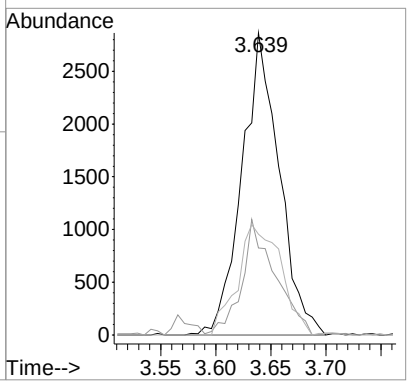


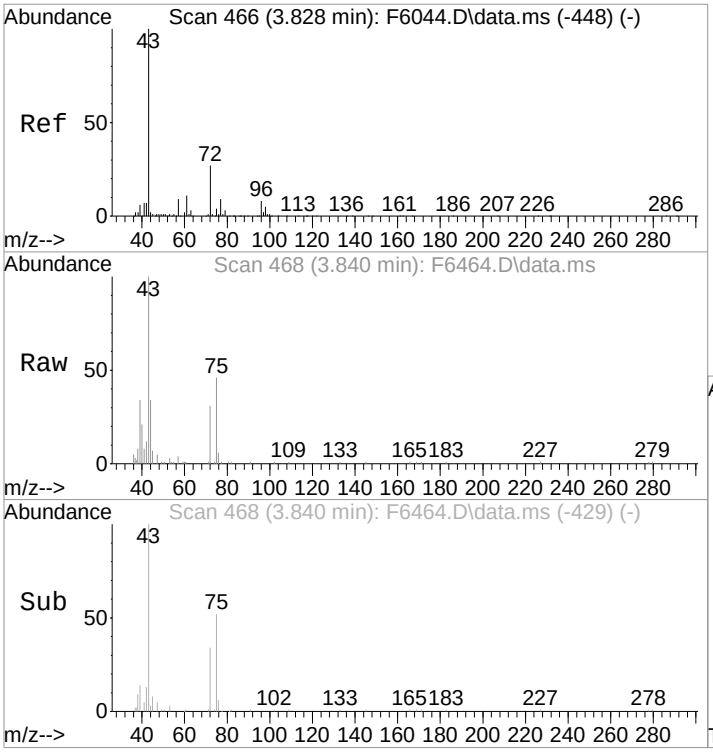


#31
ETBE
Concen: 0.60 ug/L
RT: 3.639 min Scan# 435
Delta R.T. -0.000 min
Lab File: F6464.D
Acq: 4 May 2019 7:02 pm

Tgt Ion: 59 Resp: 6721

Ion	Ratio	Lower	Upper
59	100		
57	28.8	13.9	53.9
87	33.4	22.2	62.2

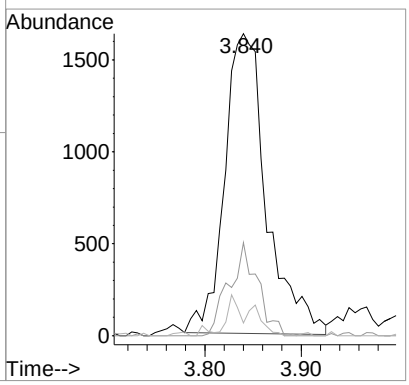


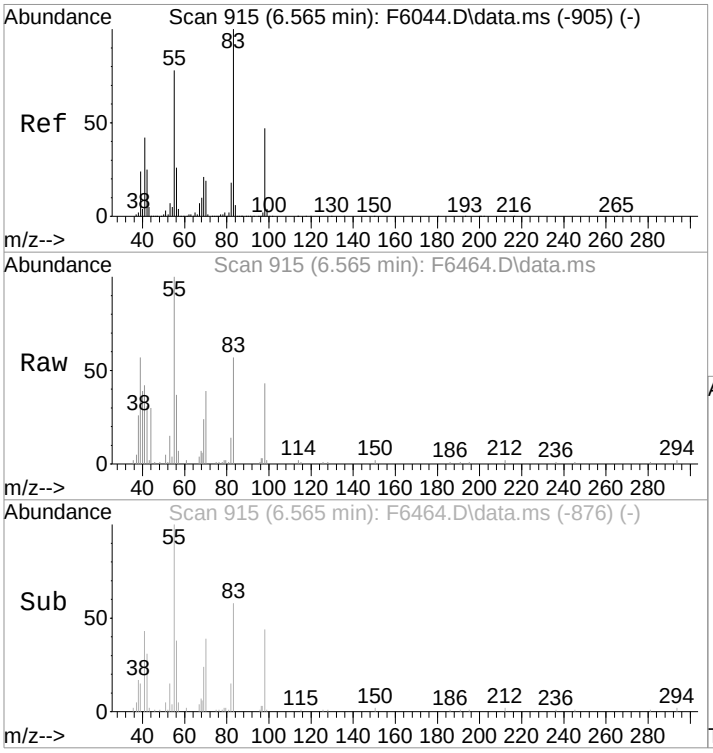


#34
2-Butanone
Concen: 2.39 ug/L
RT: 3.840 min Scan# 468
Delta R.T. 0.013 min
Lab File: F6464.D
Acq: 4 May 2019 7:02 pm

Tgt Ion: 43 Resp: 4939

Ion	Ratio	Lower	Upper
43	100		
72	30.8	3.8	43.8
57	4.3	0.0	28.5

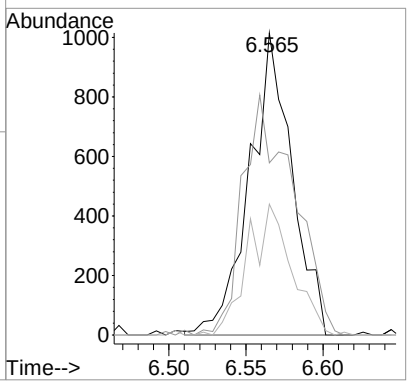


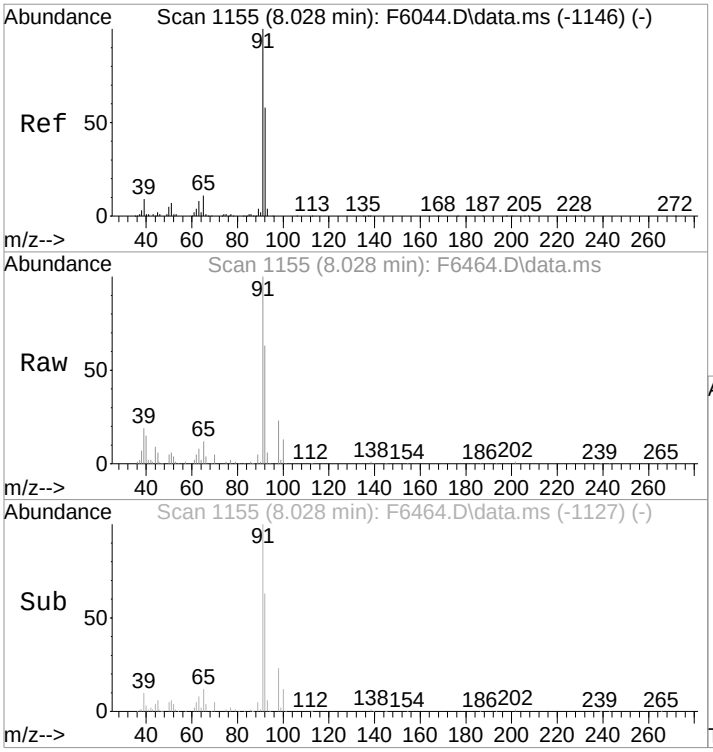


#54
Methylcyclohexane
Concen: 0.37 ug/L
RT: 6.565 min Scan# 915
Delta R.T. -0.000 min
Lab File: F6464.D
Acq: 4 May 2019 7:02 pm

Tgt Ion: 55 Resp: 1936

Ion	Ratio	Lower	Upper
55	100		
83	57.0	110.4	150.4#
98	43.3	44.3	84.3#

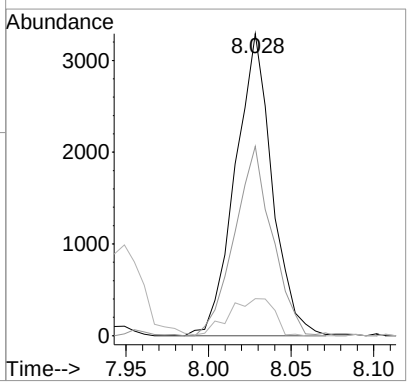


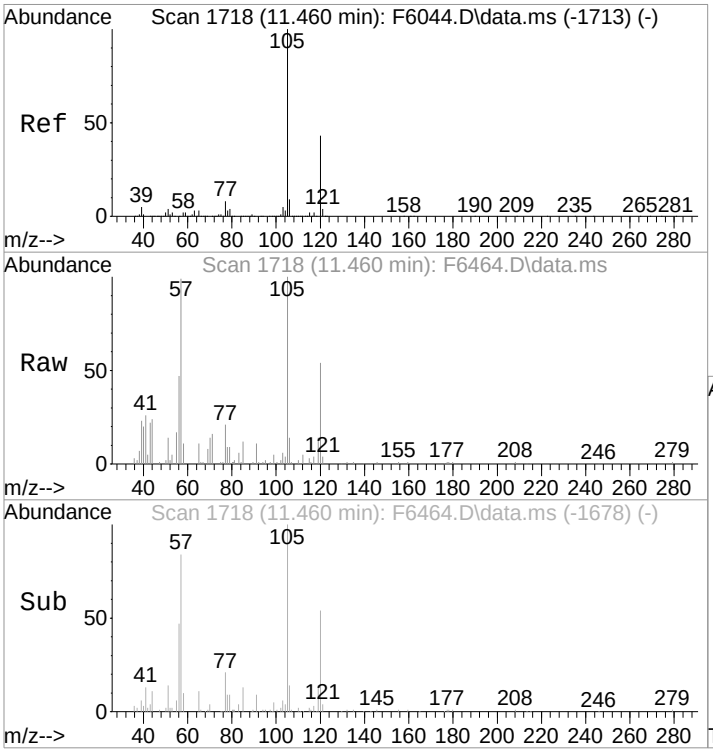


#65
Toluene
Concen: 0.31 ug/L
RT: 8.028 min Scan# 1155
Delta R.T. -0.000 min
Lab File: F6464.D
Acq: 4 May 2019 7:02 pm

Tgt Ion: 91 Resp: 5113

Ion	Ratio	Lower	Upper
91	100		
92	62.7	39.1	79.1
65	12.2	0.0	31.4

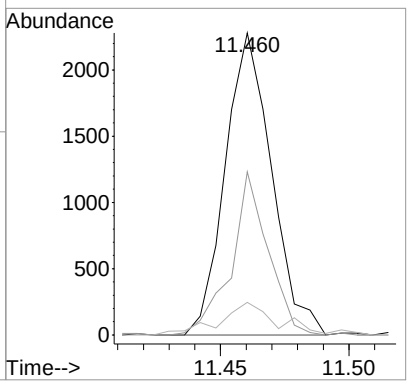


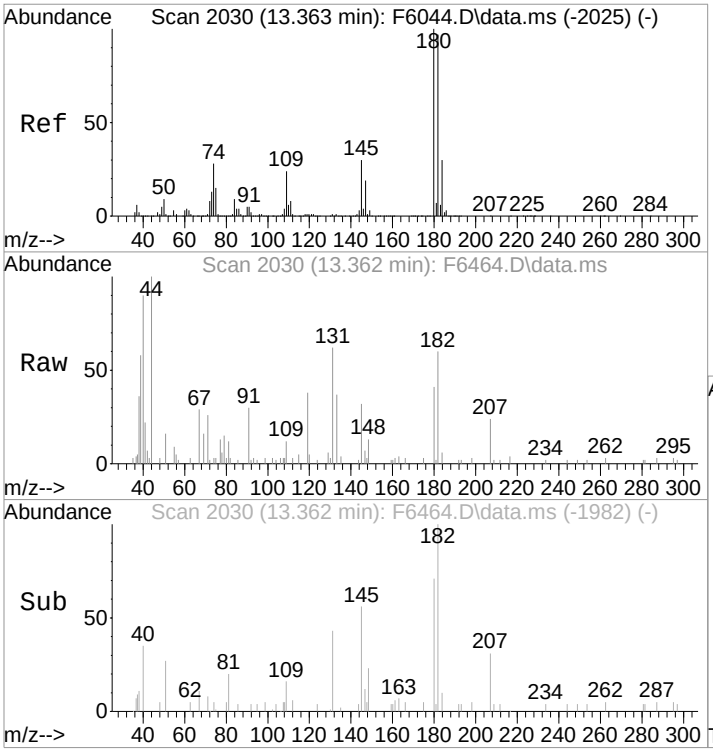


#96
1,2,4-Trimethylbenzene
Concen: 0.25 ug/L
RT: 11.460 min Scan# 1718
Delta R.T. -0.000 min
Lab File: F6464.D
Acq: 4 May 2019 7:02 pm

Tgt Ion:105 Resp: 2859

Ion	Ratio	Lower	Upper
105	100		
120	54.1	24.6	64.6
65	10.8	0.0	25.3

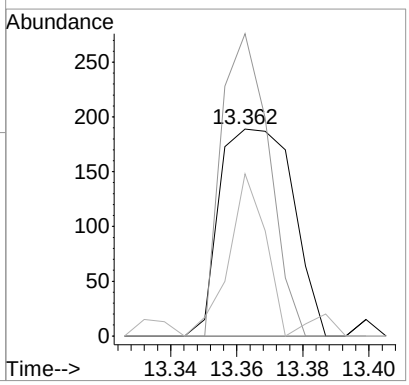


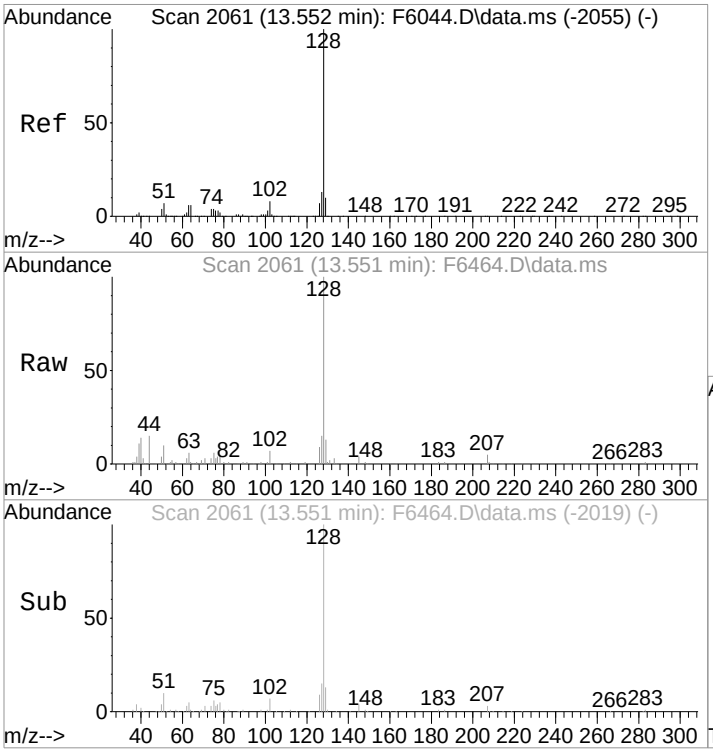


#105
1,2,4-Tcbenzene
Concen: 0.49 ug/L
RT: 13.362 min Scan# 2030
Delta R.T. 0.000 min
Lab File: F6464.D
Acq: 4 May 2019 7:02 pm

Tgt Ion:180 Resp: 292

Ion	Ratio	Lower	Upper
180	100		
182	146.0	74.9	114.9#
145	78.3	7.0	47.0#

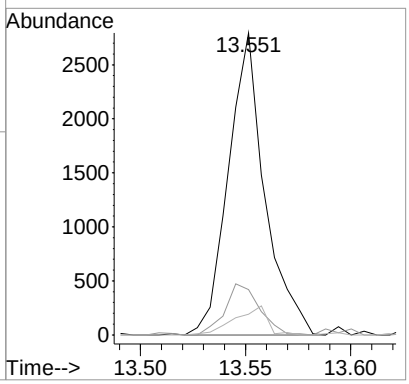




#107
Naphthalen
Concen: 1.04 ug/L
RT: 13.551 min Scan# 2061
Delta R.T. 0.000 min
Lab File: F6464.D
Acq: 4 May 2019 7:02 pm

Tgt Ion:128 Resp: 3358

Ion	Ratio	Lower	Upper
128	100		
127	15.1	0.0	33.8
102	6.9	0.0	28.8



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\050419\
Data File : F6465.D
Acq On : 4 May 2019 7:25 pm
Operator : F.NAEGLER
Sample : R1903959-004|0.76 Inst : MSVOA14
Misc : DAY 19396 T4
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 06 16:03:20 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
Quant Title : MS#14 - 8260 SOILS 10ml PURGE
QLast Update : Mon Apr 22 10:00:17 2019
Response via : Initial Calibration

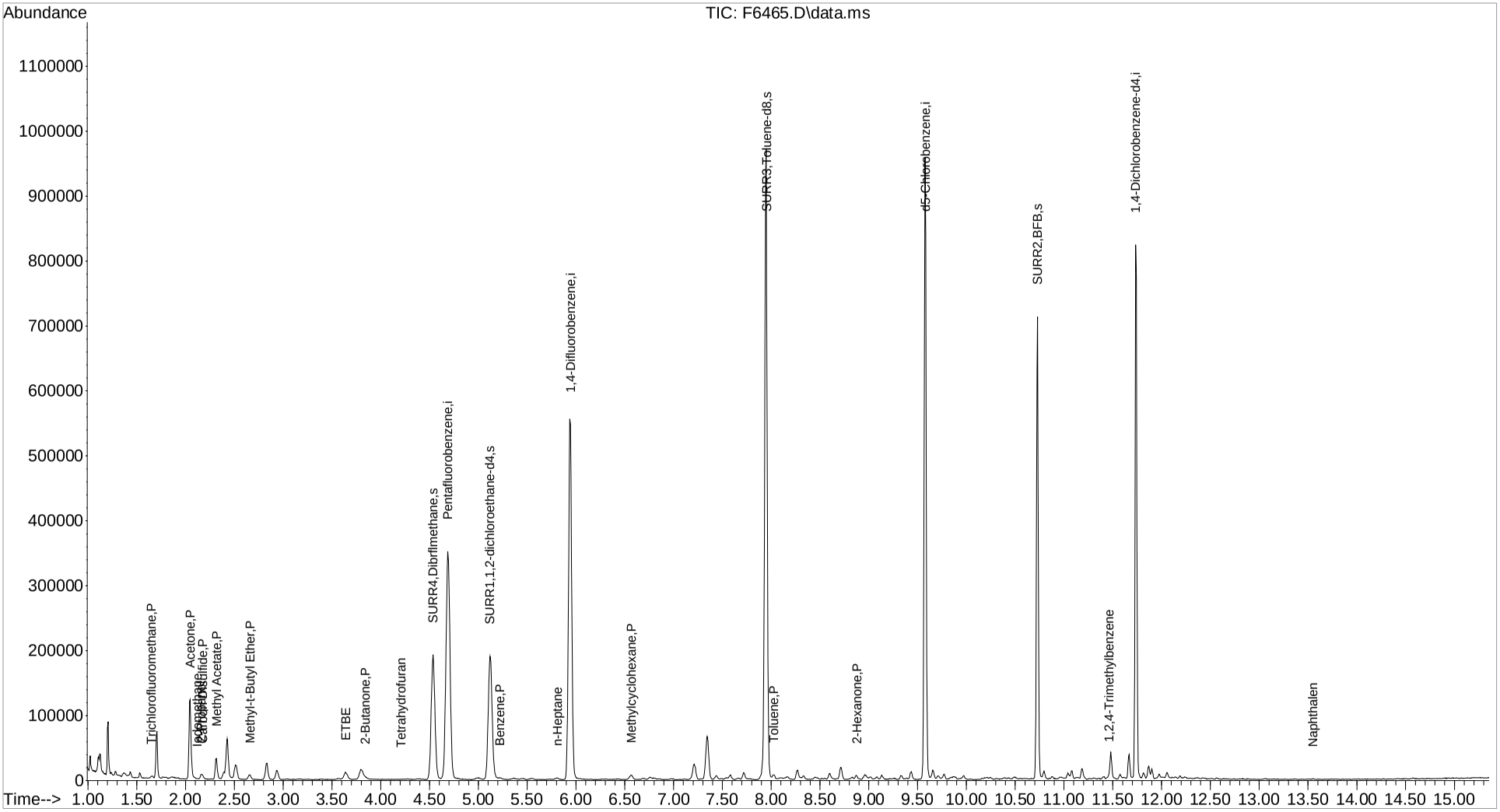
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Pentafluorobenzene	4.687	168	352688	50.00 ug/L	0.00
42) 1,4-Difluorobenzene	5.943	114	546361	50.00 ug/L	0.00
70) d5-Chlorobenzene	9.577	117	425472	50.00 ug/L	0.00
87) 1,4-Dichlorobenzene-d4	11.735	152	163278	50.00 ug/L	0.00
System Monitoring Compounds					
44) SURR4,Dibrflmethane	4.535	113	155360	47.87 ug/L	0.00
Spiked Amount 50.000	Range 63 - 138		Recovery = 95.74%		
47) SURR1,1,2-dichloroetha...	5.120	65	188402	48.22 ug/L	0.00
Spiked Amount 50.000	Range 67 - 128		Recovery = 96.44%		
64) SURR3,Toluene-d8	7.949	98	618503	46.67 ug/L	0.00
Spiked Amount 50.000	Range 66 - 138		Recovery = 93.34%		
69) SURR2,BFB	10.729	95	192082	36.23 ug/L	0.00
Spiked Amount 50.000	Range 31 - 154		Recovery = 72.46%		
Target Compounds					Qvalue
5) Bromomethane	1.414	94	1127	Below Cal	85
8) Trichlorofluoromethane	1.651	101	1272	0.26 ug/L	96
15) Acetone	2.048	43	116481	84.87 ug/L	87
16) 2-Propanol	2.157	45	8032	28.83 ug/L	93
17) Iodomethane	2.121	142	368	1.10 ug/L	96
18) Carbon Disulfide	2.176	76	2030	0.22 ug/L	93
21) Methyl Acetate	2.316	43	33327	12.34 ug/L	97
22) Methylene Chloride	2.389	84	1515	Below Cal	88
25) Methyl-t-Butyl Ether	2.663	73	2891	0.28 ug/L #	1
31) ETBE	3.639	59	9620	0.95 ug/L	93
34) 2-Butanone	3.840	43	5872	3.15 ug/L	98
38) Tetrahydrofuran	4.212	42	496	0.42 ug/L	98
48) Benzene	5.218	78	3010	0.22 ug/L	94
51) n-Heptane	5.809	43	1681	0.36 ug/L	94
54) Methylcyclohexane	6.565	55	2941	0.63 ug/L	84
65) Toluene	8.022	91	4081	0.27 ug/L	87
72) 2-Hexanone	8.876	43	4033	1.80 ug/L	99
96) 1,2,4-Trimethylbenzene	11.460	105	1754	0.20 ug/L	99
107) Naphthalen	13.552	128	769	0.76 ug/L	89

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

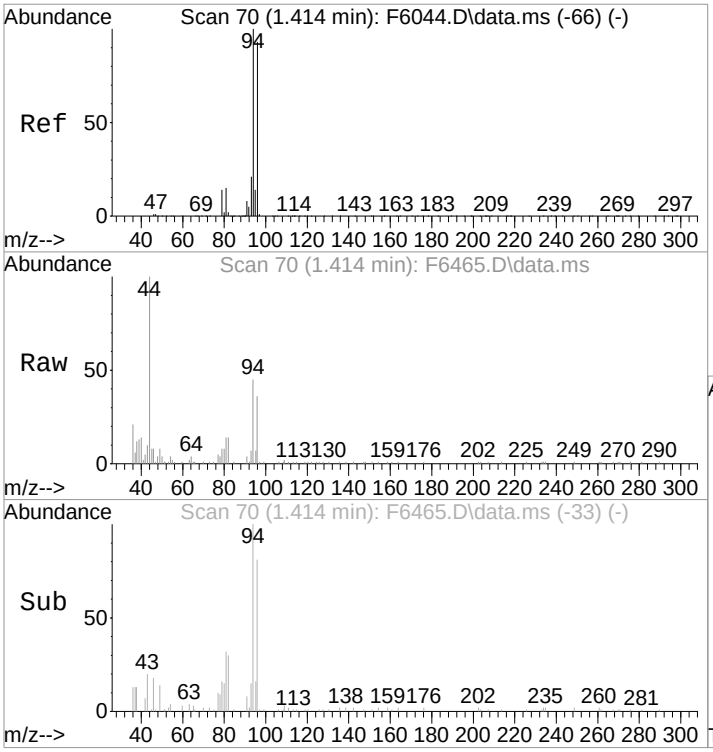
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\050419\
Data File : F6465.D
Acq On : 4 May 2019 7:25 pm
Operator : F.NAEGLER
Sample : R1903959-004|0.76 Inst : MSVOA14
Misc : DAY 19396 T4
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 06 16:03:20 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
Quant Title : MS#14 - 8260 SOILS 10ml PURGE
QLast Update : Mon Apr 22 10:00:17 2019
Response via : Initial Calibration



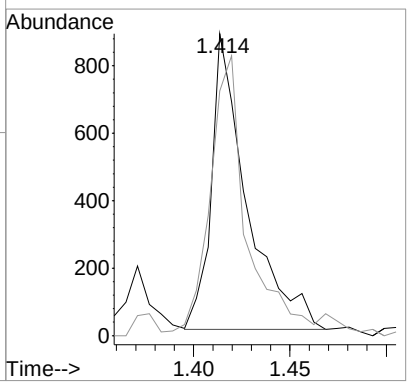
1st 05/06/19
2nd 05/08/19

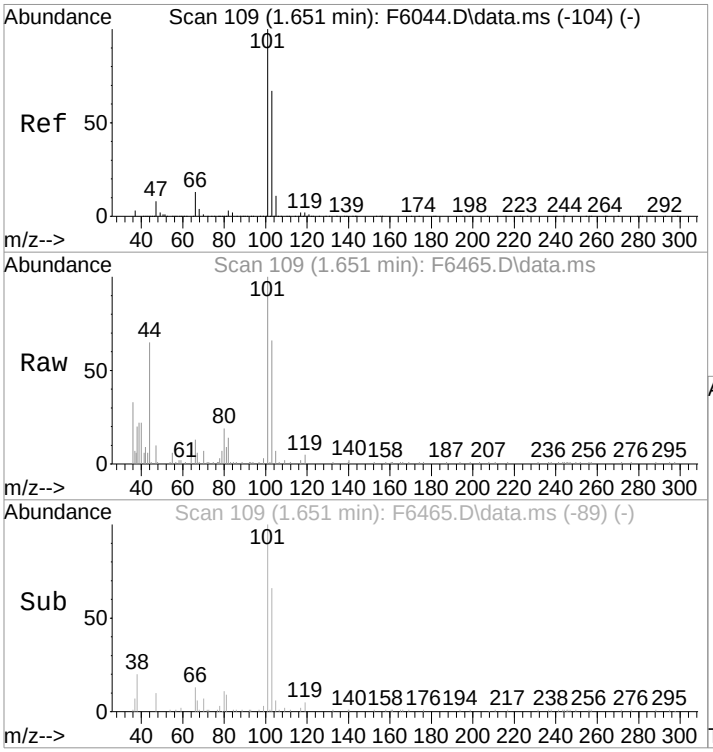


#5
Bromomethane
Concen: Below Cal
RT: 1.414 min Scan# 70
Delta R.T. 0.001 min
Lab File: F6465.D
Acq: 4 May 2019 7:25 pm

Tgt Ion: 94 Resp: 1127

Ion	Ratio	Lower	Upper
94	100		
96	81.0	75.4	115.4

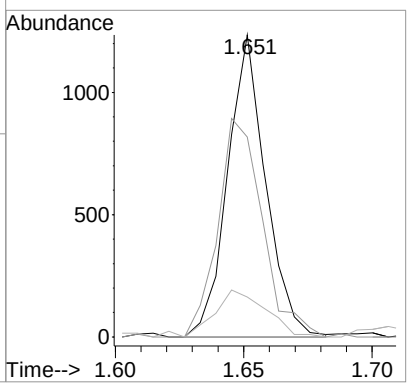


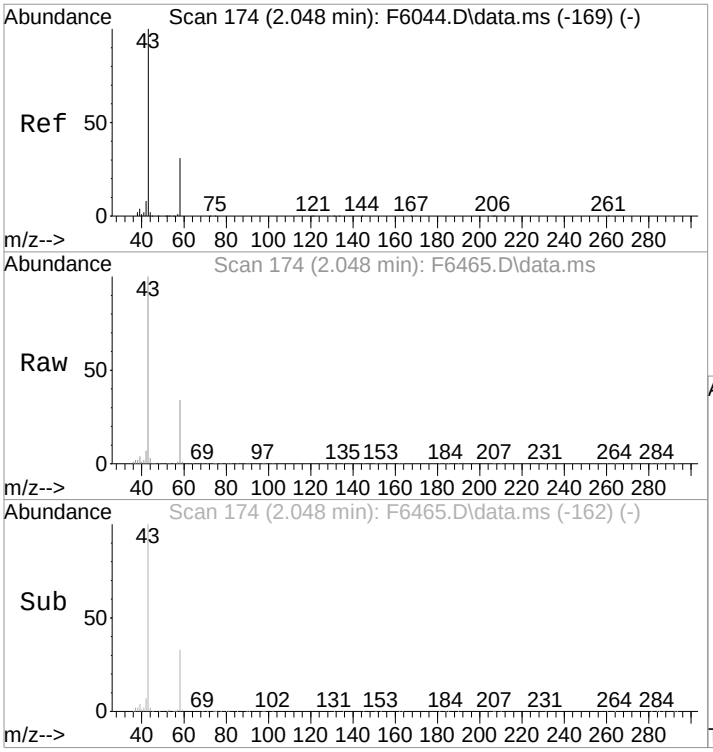


#8
Trichlorofluoromethane
Concen: 0.26 ug/L
RT: 1.651 min Scan# 109
Delta R.T. -0.000 min
Lab File: F6465.D
Acq: 4 May 2019 7:25 pm

Tgt Ion:101 Resp: 1272

Ion	Ratio	Lower	Upper
101	100		
103	66.2	43.4	83.4
66	13.2	0.0	34.8

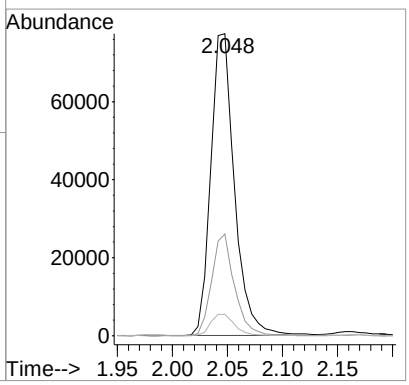


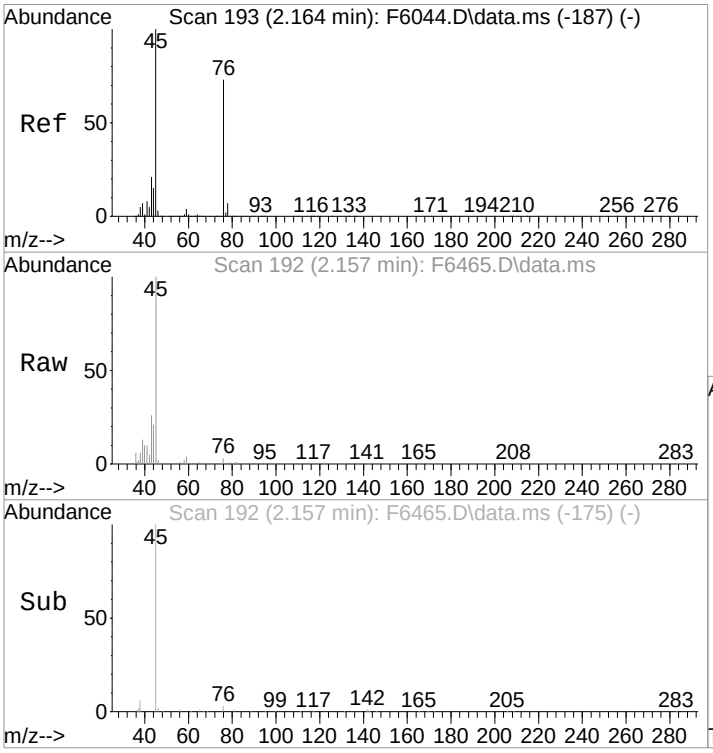


#15
Acetone
Concen: 84.87 ug/L
RT: 2.048 min Scan# 174
Delta R.T. 0.001 min
Lab File: F6465.D
Acq: 4 May 2019 7:25 pm

Tgt Ion: 43 Resp: 116481

Ion	Ratio	Lower	Upper
43	100		
58	33.7	5.1	45.1
42	7.1	0.0	27.4

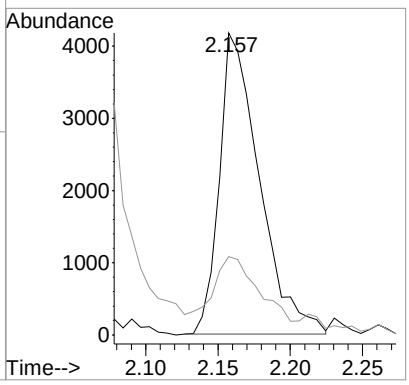


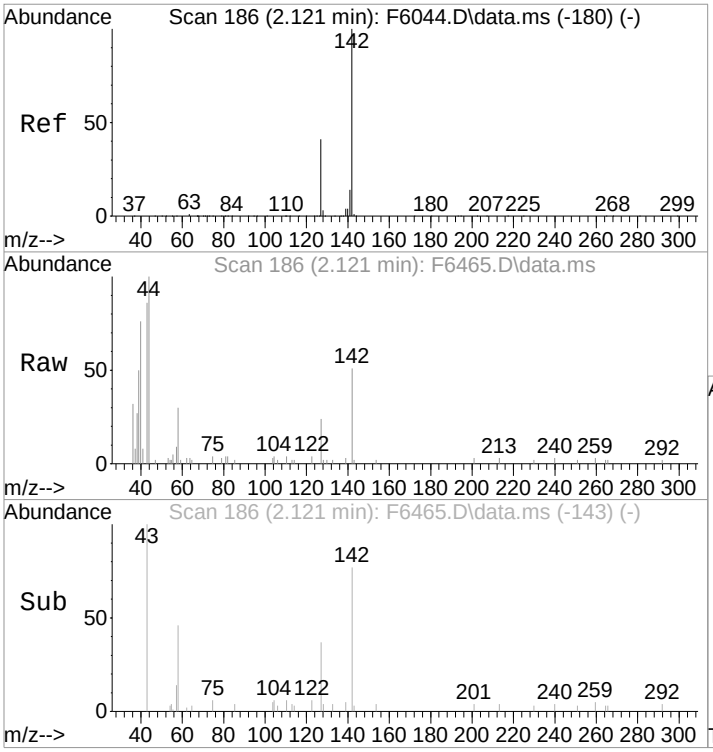


#16
2-Propanol
Concen: 28.83 ug/L
RT: 2.157 min Scan# 192
Delta R.T. -0.006 min
Lab File: F6465.D
Acq: 4 May 2019 7:25 pm

Tgt Ion: 45 Resp: 8032

Ion	Ratio	Lower	Upper
45	100		
43	25.9	2.7	42.7

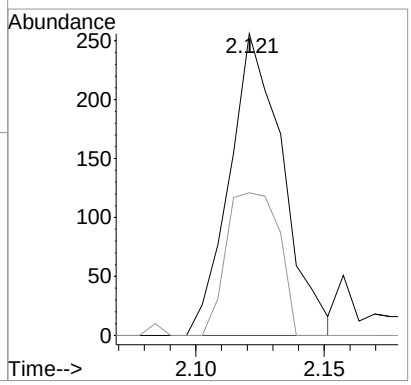


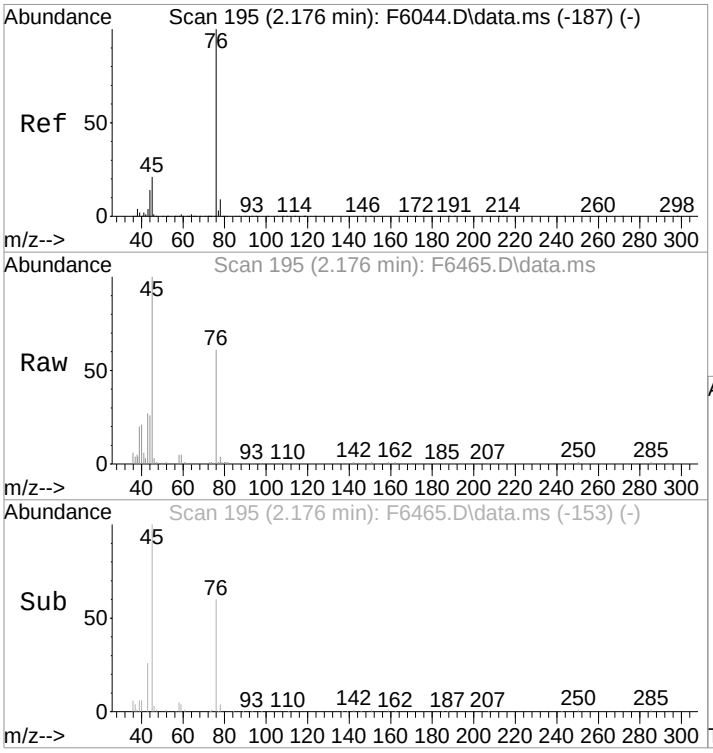


#17
Iodomethane
Concen: 1.10 ug/L
RT: 2.121 min Scan# 186
Delta R.T. 0.001 min
Lab File: F6465.D
Acq: 4 May 2019 7:25 pm

Tgt Ion:142 Resp: 368

Ion	Ratio	Lower	Upper
142	100		
127	47.3	24.5	64.5

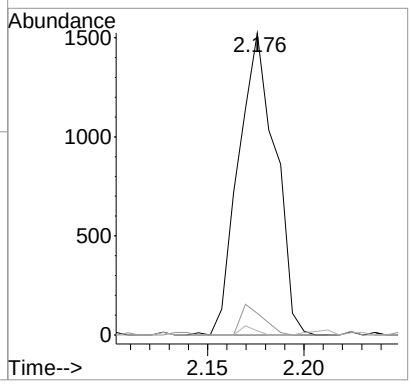


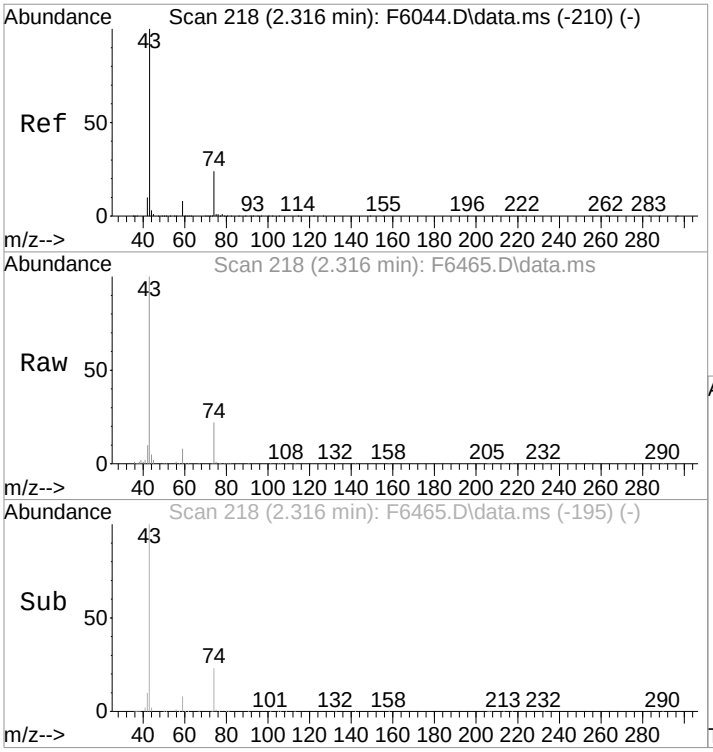


#18
Carbon Disulfide
Concen: 0.22 ug/L
RT: 2.176 min Scan# 195
Delta R.T. -0.000 min
Lab File: F6465.D
Acq: 4 May 2019 7:25 pm

Tgt Ion: 76 Resp: 2030

Ion	Ratio	Lower	Upper
76	100		
78	7.2	0.0	29.9
77	1.3	0.0	22.5

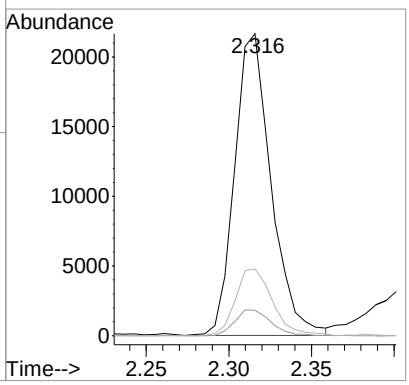


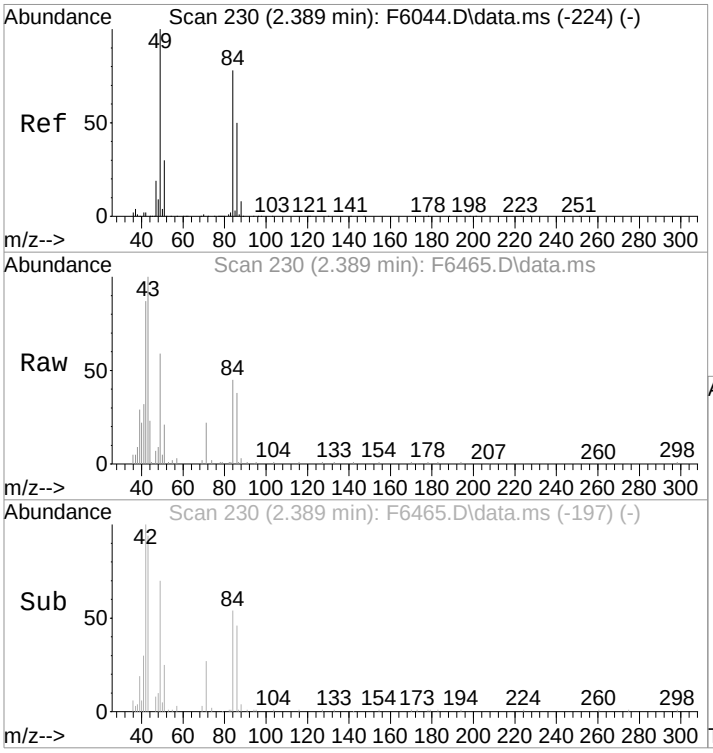


#21
Methyl Acetate
Concen: 12.34 ug/L
RT: 2.316 min Scan# 218
Delta R.T. -0.000 min
Lab File: F6465.D
Acq: 4 May 2019 7:25 pm

Tgt Ion: 43 Resp: 33327

Ion	Ratio	Lower	Upper
43	100		
59	8.4	0.0	26.6
74	22.1	1.2	41.2

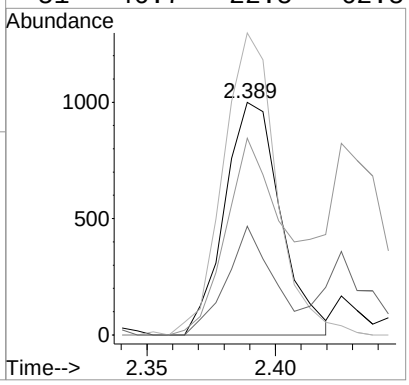


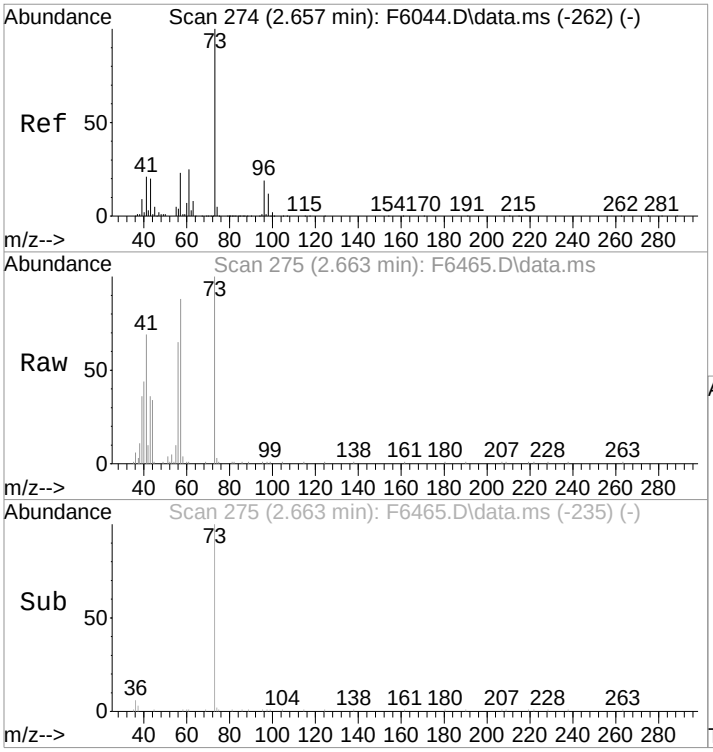


#22
Methylene Chloride
Concen: Below Cal
RT: 2.389 min Scan# 230
Delta R.T. 0.000 min
Lab File: F6465.D
Acq: 4 May 2019 7:25 pm

Tgt Ion: 84 Resp: 1515

Ion	Ratio	Lower	Upper
84	100		
86	84.6	45.6	85.6
49	129.9	120.4	160.4
51	46.7	22.5	62.5

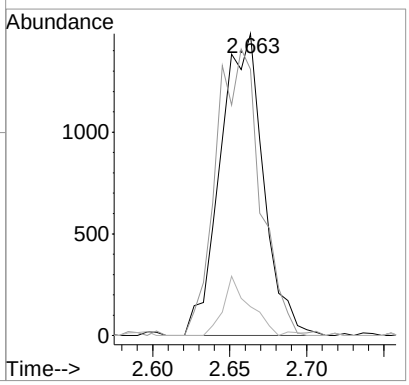


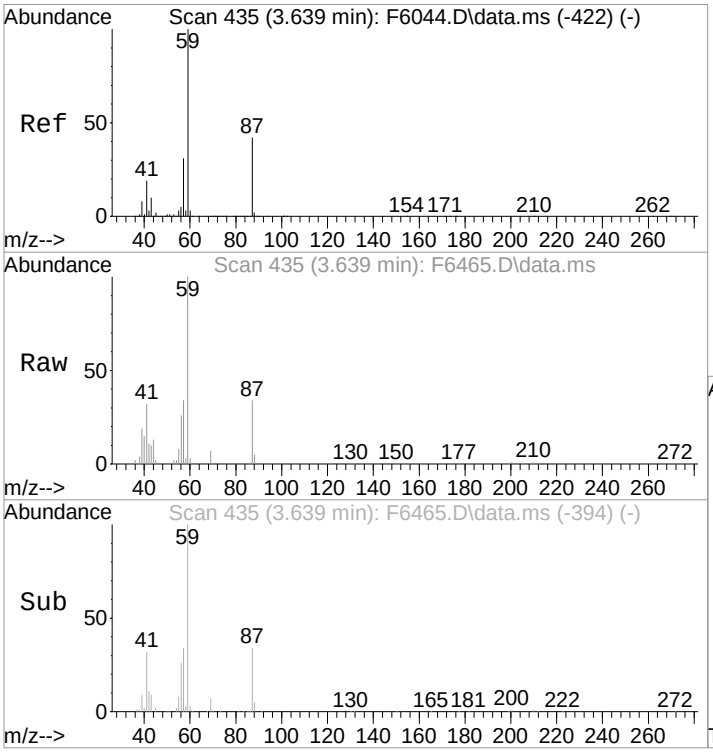


#25
Methyl-t-Butyl Ether
Concen: 0.28 ug/L
RT: 2.663 min Scan# 275
Delta R.T. 0.006 min
Lab File: F6465.D
Acq: 4 May 2019 7:25 pm

Tgt Ion: 73 Resp: 2891

Ion	Ratio	Lower	Upper
73	100		
57	88.3	2.6	42.6#
55	9.6	0.0	24.4

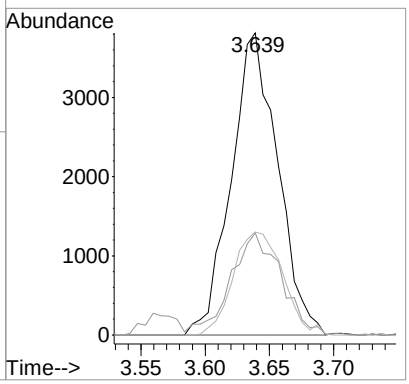


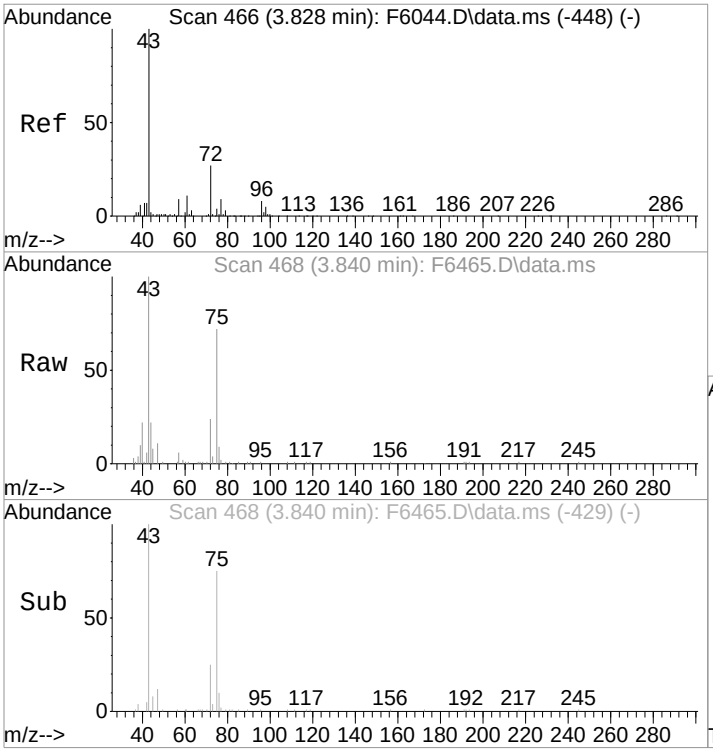


#31
ETBE
Concen: 0.95 ug/L
RT: 3.639 min Scan# 435
Delta R.T. -0.000 min
Lab File: F6465.D
Acq: 4 May 2019 7:25 pm

Tgt Ion: 59 Resp: 9620

Ion	Ratio	Lower	Upper
59	100		
57	33.8	13.9	53.9
87	34.1	22.2	62.2

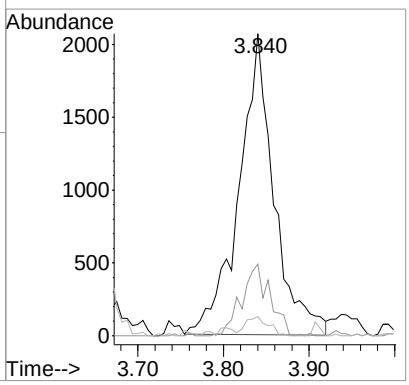


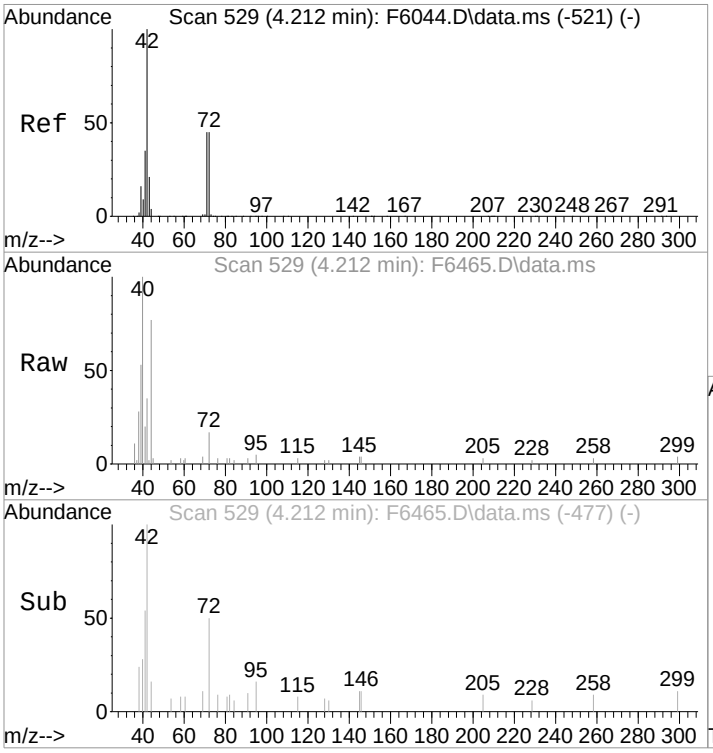


#34
2-Butanone
Concen: 3.15 ug/L
RT: 3.840 min Scan# 468
Delta R.T. 0.013 min
Lab File: F6465.D
Acq: 4 May 2019 7:25 pm

Tgt Ion: 43 Resp: 5872

Ion	Ratio	Lower	Upper
43	100		
72	23.7	3.8	43.8
57	6.4	0.0	28.5

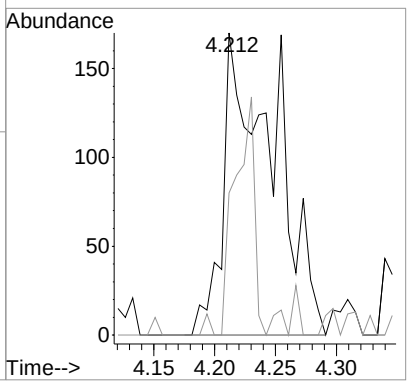


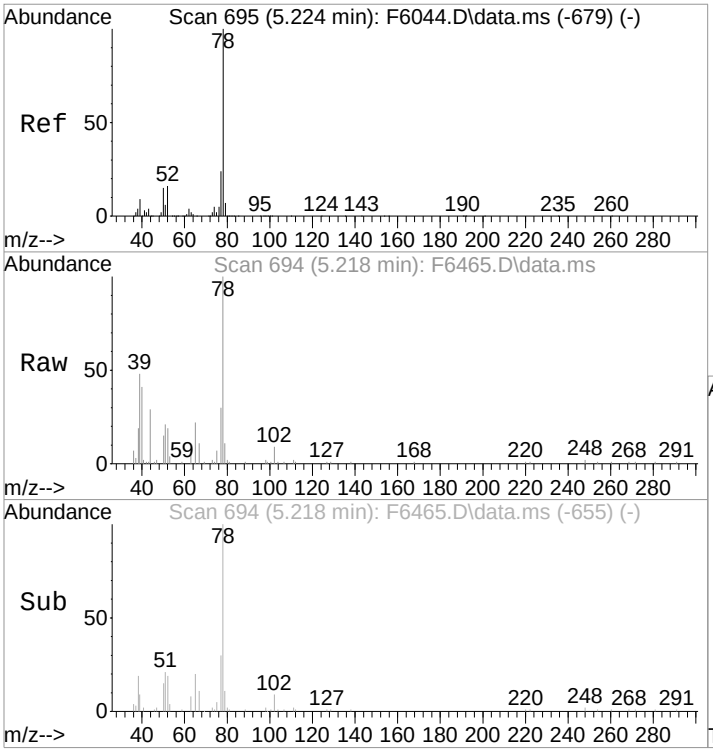


#38
Tetrahydrofuran
Concen: 0.42 ug/L
RT: 4.212 min Scan# 529
Delta R.T. -0.000 min
Lab File: F6465.D
Acq: 4 May 2019 7:25 pm

Tgt Ion: 42 Resp: 496

Ion	Ratio	Lower	Upper
42	100		
72	47.1	25.8	65.8

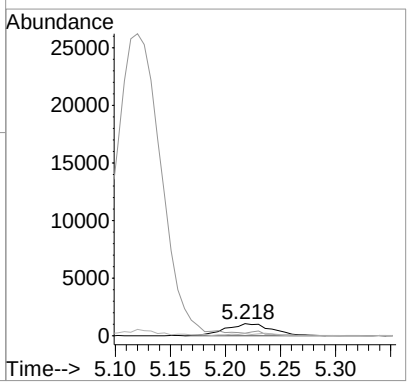


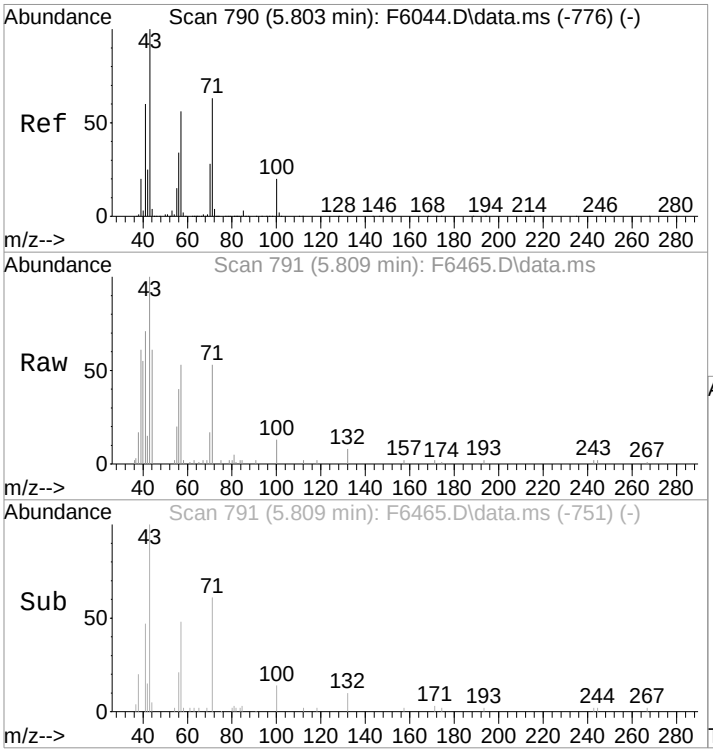


#48
Benzene
Concen: 0.22 ug/L
RT: 5.218 min Scan# 694
Delta R.T. -0.006 min
Lab File: F6465.D
Acq: 4 May 2019 7:25 pm

Tgt Ion: 78 Resp: 3010

Ion	Ratio	Lower	Upper
78	100		
51	21.3	0.0	39.7
52	19.1	0.0	35.5

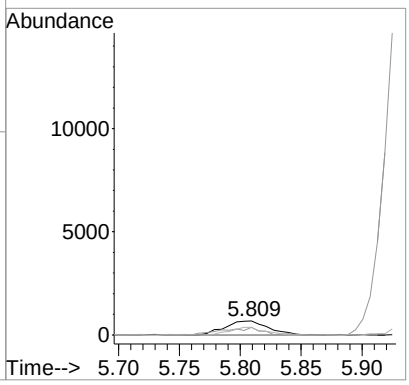


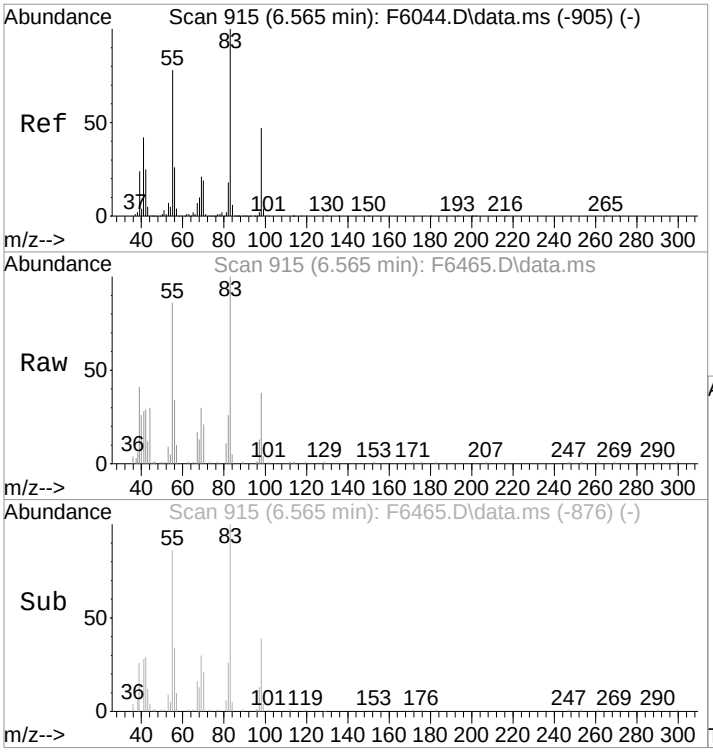


#51
n-Heptane
Concen: 0.36 ug/L
RT: 5.809 min Scan# 791
Delta R.T. 0.006 min
Lab File: F6465.D
Acq: 4 May 2019 7:25 pm

Tgt Ion: 43 Resp: 1681

Ion	Ratio	Lower	Upper
43	100		
57	53.4	32.9	72.9
71	53.2	41.6	81.6

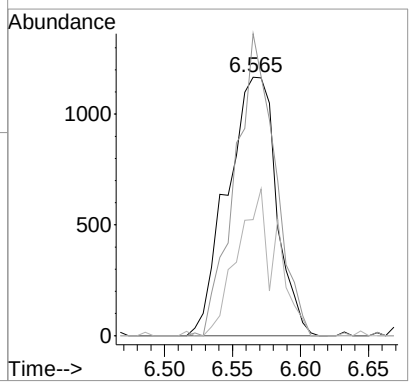


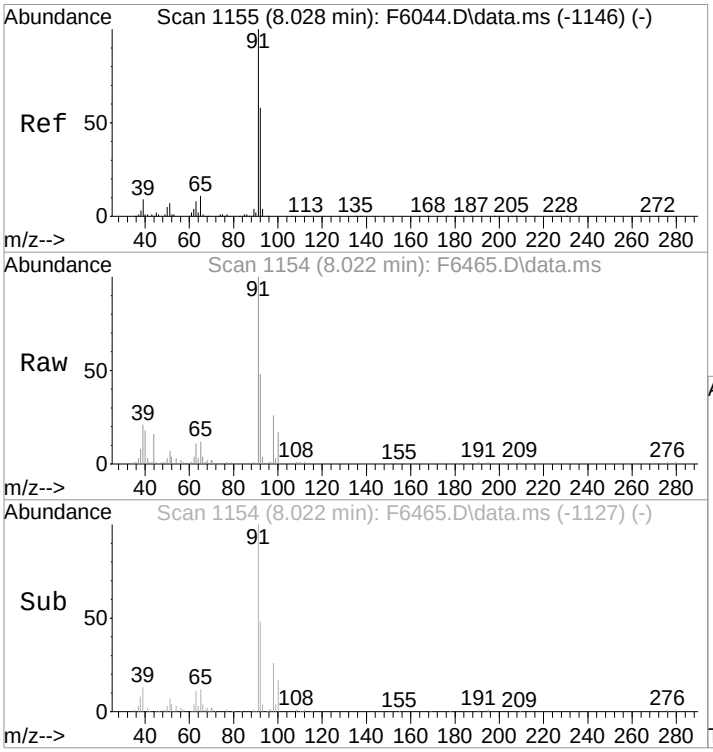


#54
Methylcyclohexane
Concen: 0.63 ug/L
RT: 6.565 min Scan# 915
Delta R.T. -0.000 min
Lab File: F6465.D
Acq: 4 May 2019 7:25 pm

Tgt Ion: 55 Resp: 2941

Ion	Ratio	Lower	Upper
55	100		
83	116.8	110.4	150.4
98	44.9	44.3	84.3

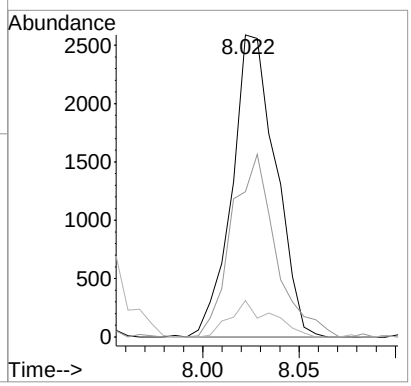


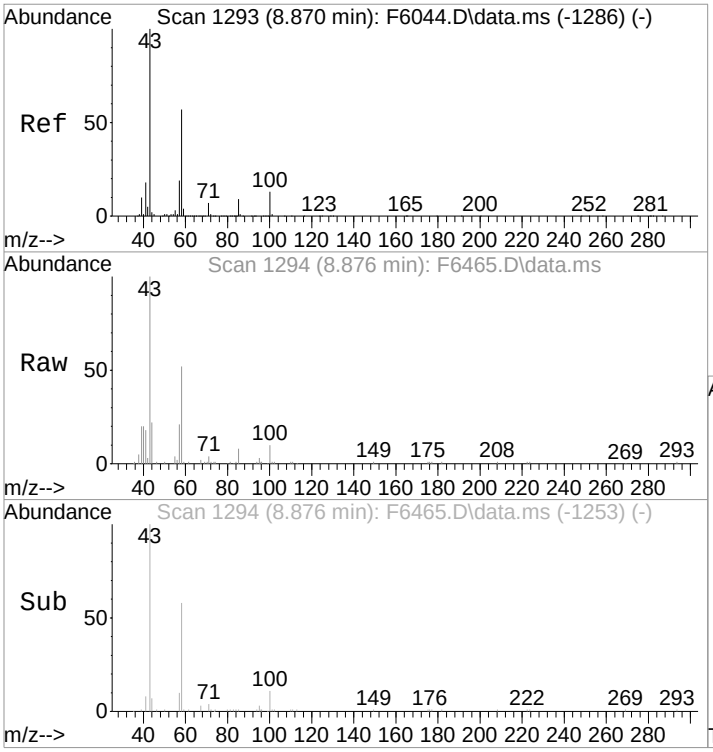


#65
Toluene
Concen: 0.27 ug/L
RT: 8.022 min Scan# 1154
Delta R.T. -0.006 min
Lab File: F6465.D
Acq: 4 May 2019 7:25 pm

Tgt Ion: 91 Resp: 4081

Ion	Ratio	Lower	Upper
91	100		
92	48.0	39.1	79.1
65	12.1	0.0	31.4

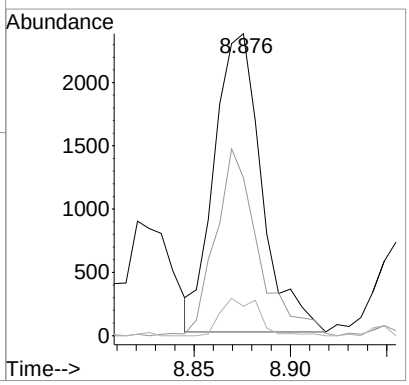


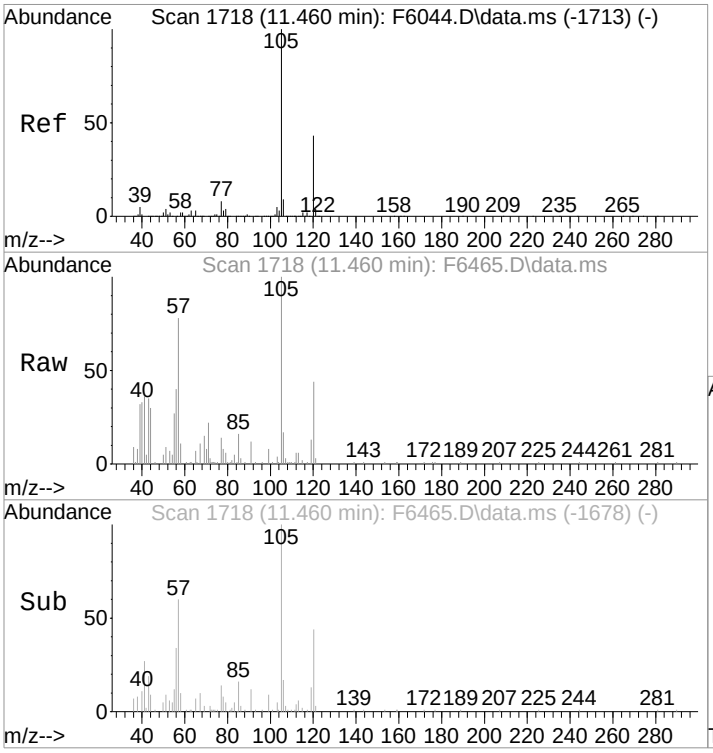


#72
2-Hexanone
Concen: 1.80 ug/L
RT: 8.876 min Scan# 1294
Delta R.T. 0.006 min
Lab File: F6465.D
Acq: 4 May 2019 7:25 pm

Tgt Ion: 43 Resp: 4033

Ion	Ratio	Lower	Upper
43	100		
58	52.3	31.6	71.6
100	9.7	0.0	29.7

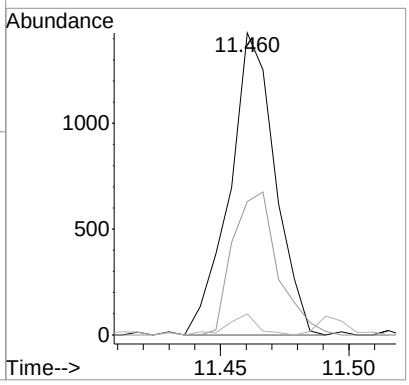


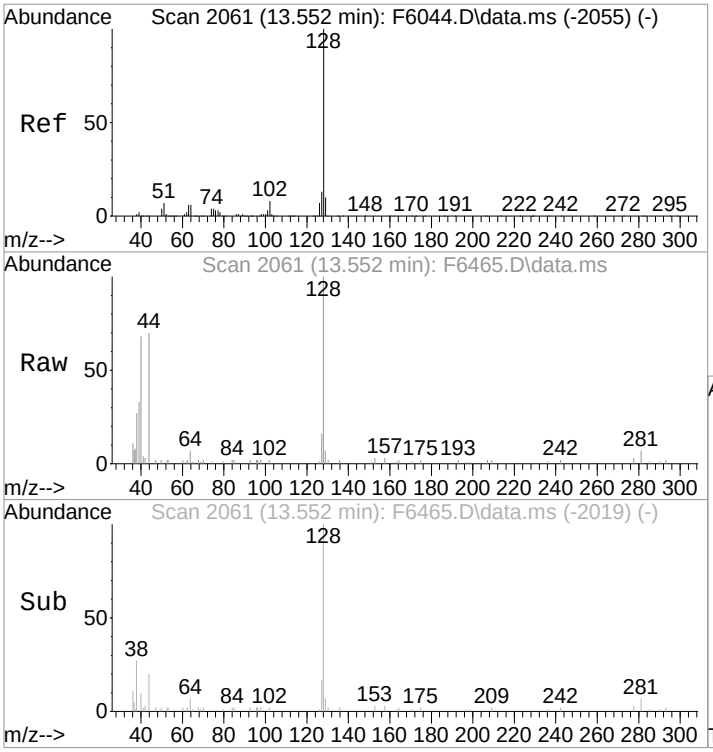


#96
1,2,4-Trimethylbenzene
Concen: 0.20 ug/L
RT: 11.460 min Scan# 1718
Delta R.T. -0.000 min
Lab File: F6465.D
Acq: 4 May 2019 7:25 pm

Tgt Ion:105 Resp: 1754

Ion	Ratio	Lower	Upper
105	100		
120	44.1	24.6	64.6
65	7.6	0.0	25.3

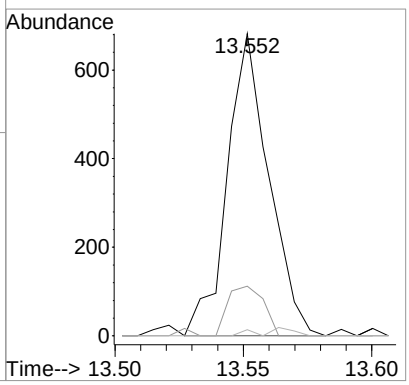




#107
Naphthalen
Concen: 0.76 ug/L
RT: 13.552 min Scan# 2061
Delta R.T. 0.001 min
Lab File: F6465.D
Acq: 4 May 2019 7:25 pm

Tgt Ion:128 Resp: 769

Ion	Ratio	Lower	Upper
128	100		
127	16.4	0.0	33.8
102	2.1	0.0	28.8

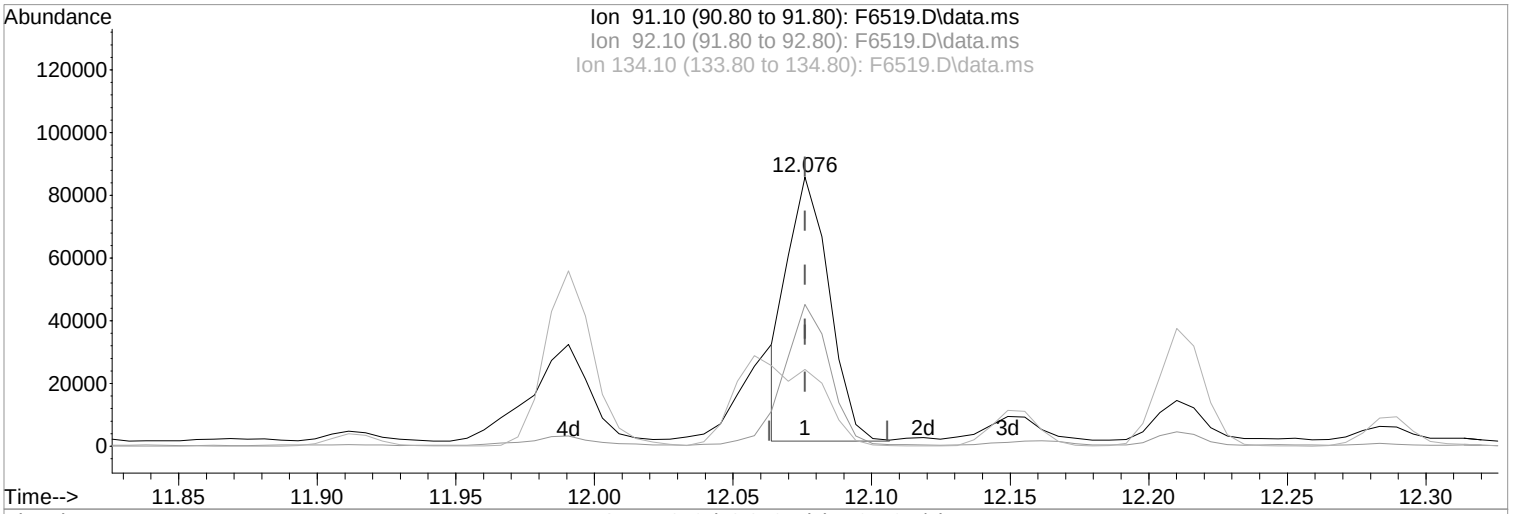


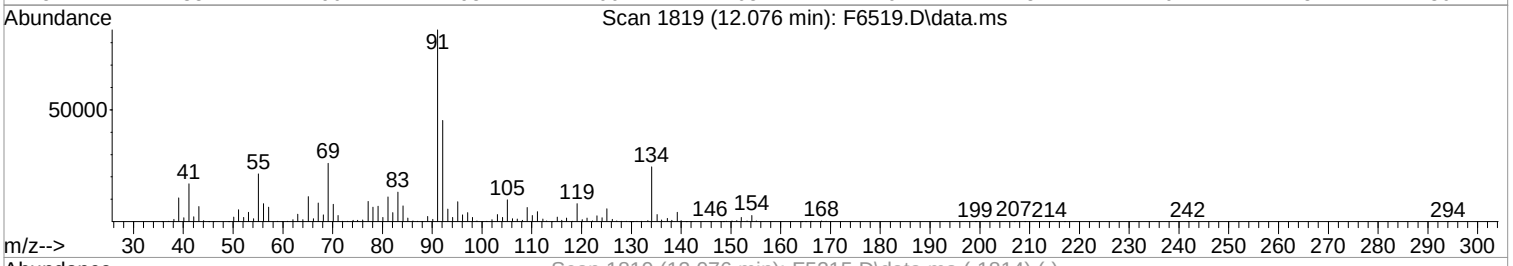
1st FW 05/10/19
2nd 05/10/19

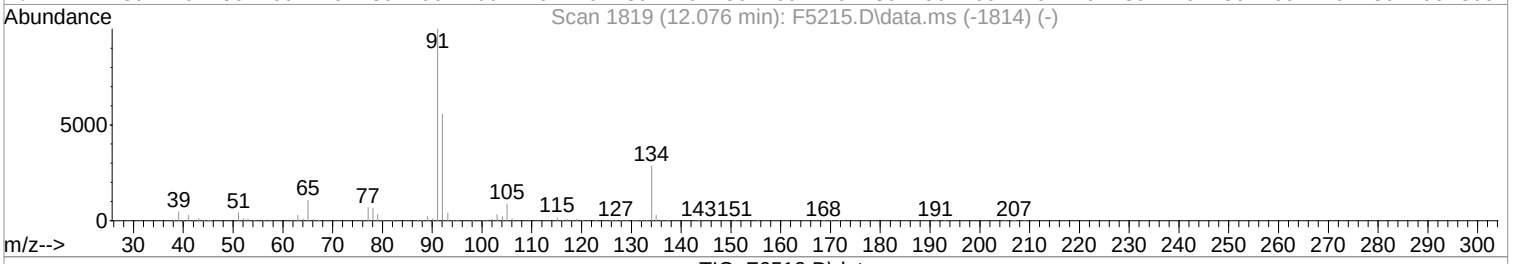
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\050819\
Data File : F6519.D
Acq On : 8 May 2019 7:01 pm
Operator : F.NAEGLER
Sample : R1903959-007|72.5 Inst : MSVOA14
Misc : DAY 19396 T4
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 09 07:34:08 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 16:08:17 2019
Response via : Initial Calibration







TIC: F6519.D\data.ms

(108) n-Butylbenzene

12.076min (-0.000) 11.25 ug/L m

response 88311

Ion	Exp%	Act%
91.10	100	100
92.10	55.60	52.71
134.10	28.60	28.51
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

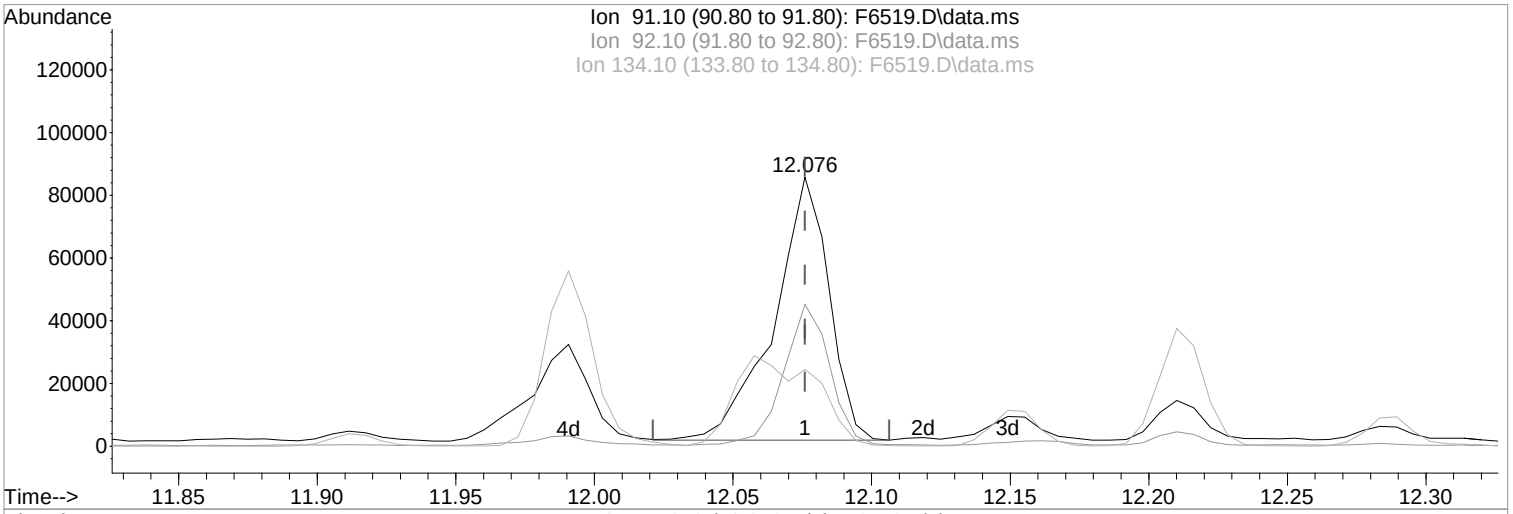
05/10/19

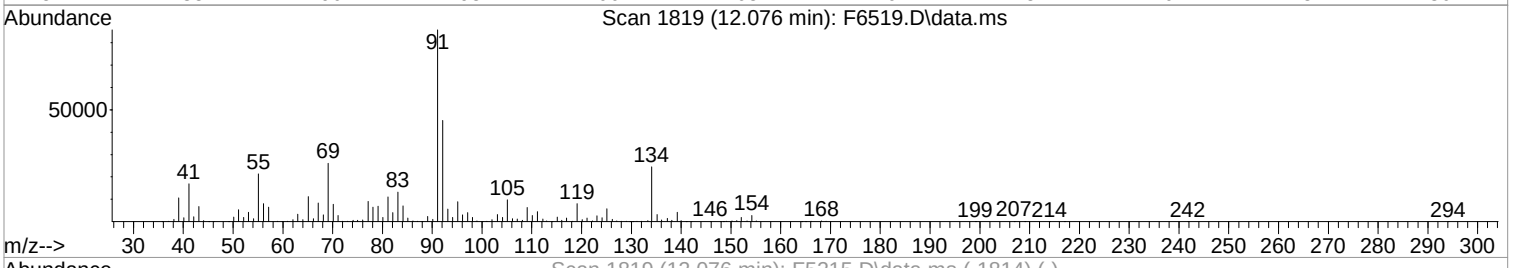
1st FJ 05/10/19
2nd 05/10/19

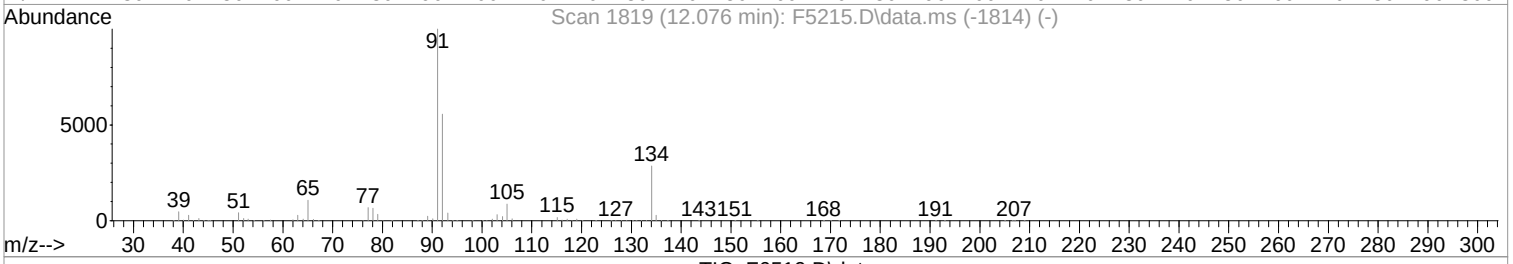
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\050819\
Data File : F6519.D
Acq On : 8 May 2019 7:01 pm
Operator : F.NAEGLER
Sample : R1903959-007|72.5 Inst : MSVOA14
Misc : DAY 19396 T4
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 09 07:34:08 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 16:08:17 2019
Response via : Initial Calibration







TIC: F6519.D\data.ms

(108) n-Butylbenzene

12.076min (-0.000) 14.73 ug/L

response 115611

Ion	Exp%	Act%
91.10	100	100
92.10	55.60	52.71
134.10	28.60	28.51
0.00	0.00	0.00

Manual Integration:

Before

05/10/19

1st FJ 05/10/19
2nd 05/10/19

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\050819\
Data File : F6519.D
Acq On : 8 May 2019 7:01 pm
Operator : F.NAEGLER
Sample : R1903959-007|72.5 Inst : MSVOA14
Misc : DAY 19396 T4
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 10 10:25:48 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 16:08:17 2019
Response via : Initial Calibration

rpt MED (1/200)

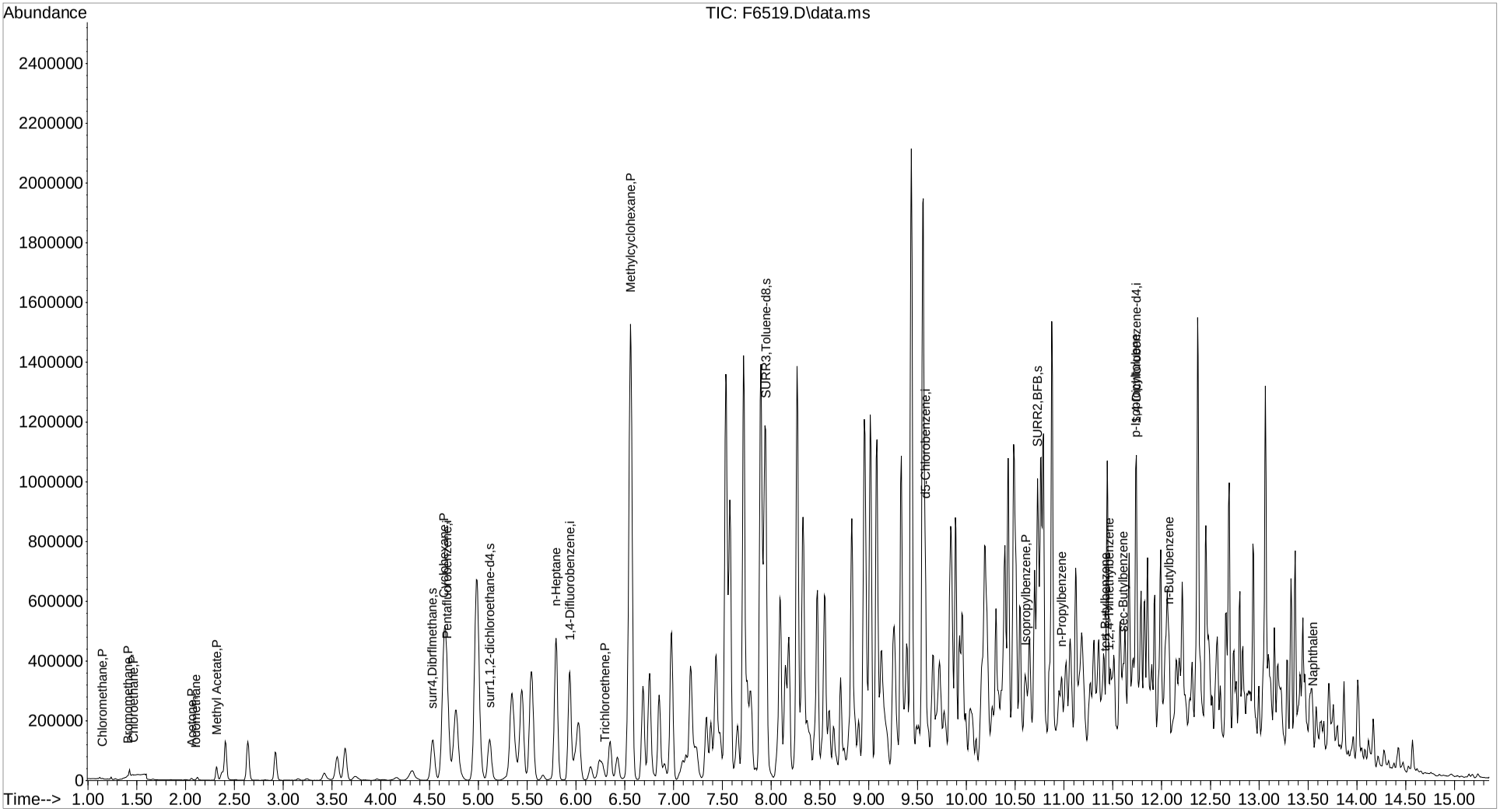
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)	
Internal Standards								
1) Pentafluorobenzene	4.681	168	232115	50.00	ug/L		0.00	
42) 1,4-Difluorobenzene	5.937	114	354887	50.00	ug/L		0.00	
70) d5-Chlorobenzene	9.576	117	303185	50.00	ug/L		0.00	
90) 1,4-Dichlorobenzene-d4	11.741	152	172101	50.00	ug/L		0.00	
System Monitoring Compounds								
44) surr4,Dibrflmethane	4.529	113	101364	42.86	ug/L		0.00	
Spiked Amount 50.000	Range 89 - 119		Recovery =	85.72%#				OK soil limits
47) surr1,1,2-dichloroetha...	5.114	65	131434	47.43	ug/L		0.00	
Spiked Amount 50.000	Range 73 - 125		Recovery =	94.86%				
64) SURR3,Toluene-d8	7.943	98	446907	47.34	ug/L		0.00	
Spiked Amount 50.000	Range 87 - 121		Recovery =	94.68%				
69) SURR2,BFB	10.729	95	170283	46.58	ug/L		0.00	
Spiked Amount 50.000	Range 85 - 122		Recovery =	93.16%				
Target Compounds							Qvalue	
3) Chloromethane	1.145	50	1656	0.54	ug/L		91	
5) Bromomethane	1.407	94	1375	0.54	ug/L		99	
6) Chloroethane	1.462	64	602	0.37	ug/L		98	
15) Acetone	2.060	43	2965	2.61	ug/L		99	
17) Iodomethane	2.102	142	834	1.55	ug/L		95	
21) Methyl Acetate	2.316	43	44198	18.74	ug/L		96	
43) Cyclohexane	4.651	41	172777	96.31	ug/L		83	
51) n-Heptane	5.797	43	246055	105.90	ug/L		90	
53) Trichloroethene	6.297	130	1051	0.41	ug/L	#	37	
54) Methylcyclohexane	6.559	55	626843	250.63	ug/L	#	82	E-Over Calibration
87) Isopropylbenzene	10.607	105	27734	2.81	ug/L		98	
94) n-Propylbenzene	10.979	91	102976	8.72	ug/L		97	
99) tert-Butylbenzene	11.418	119	4419	0.60	ug/L		96	
100) 1,2,4-Trimethylbenzene	11.460	105	3951	0.46	ug/L	#	74	
102) sec-Butylbenzene	11.607	105	45459	4.34	ug/L		98	
103) p-Isopropyltoluene	11.735	119	13375	1.50	ug/L	#	79	
108) n-Butylbenzene	12.076	91	88311m	11.25	ug/L			
116) Naphthalen	13.551	128	27391	3.02	ug/L		95	

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

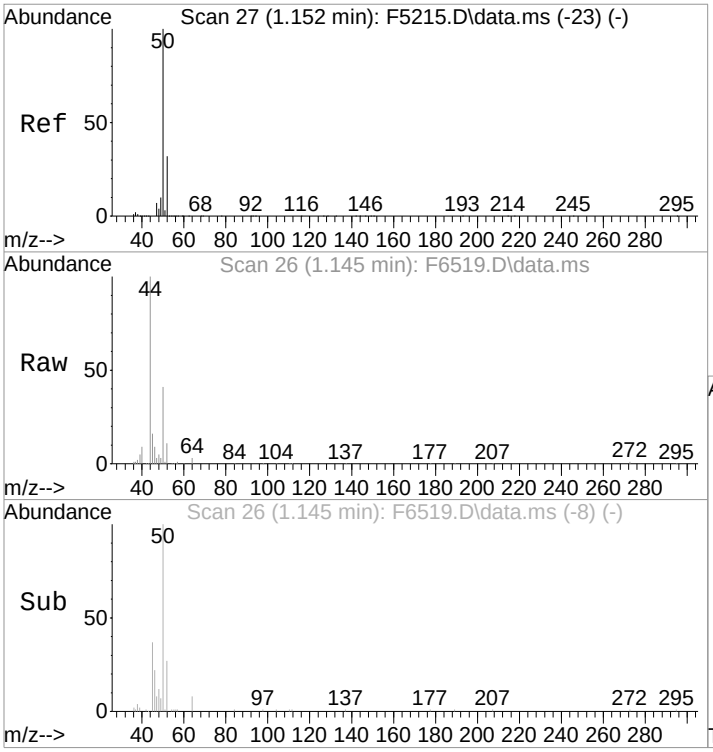
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\050819\
Data File : F6519.D
Acq On : 8 May 2019 7:01 pm
Operator : F.NAEGLER
Sample : R1903959-007|72.5 Inst : MSVOA14
Misc : DAY 19396 T4
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 10 10:25:48 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 16:08:17 2019
Response via : Initial Calibration



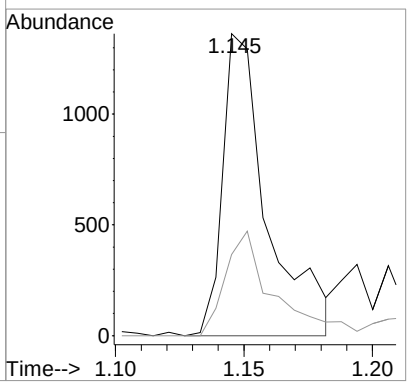
1st 05/10/19
2nd 05/10/19

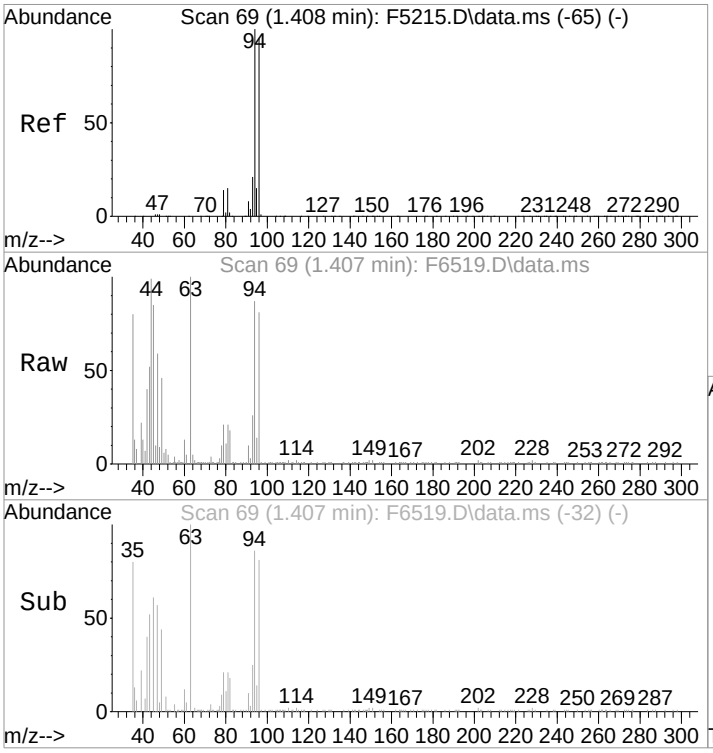


#3
Chloromethane
Concen: 0.54 ug/L
RT: 1.145 min Scan# 26
Delta R.T. -0.006 min
Lab File: F6519.D
Acq: 8 May 2019 7:01 pm

Tgt Ion: 50 Resp: 1656

Ion	Ratio	Lower	Upper
50	100		
52	26.9	11.9	51.9

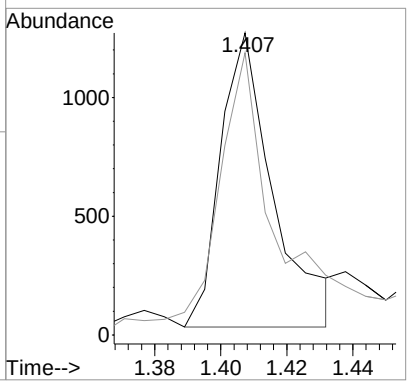


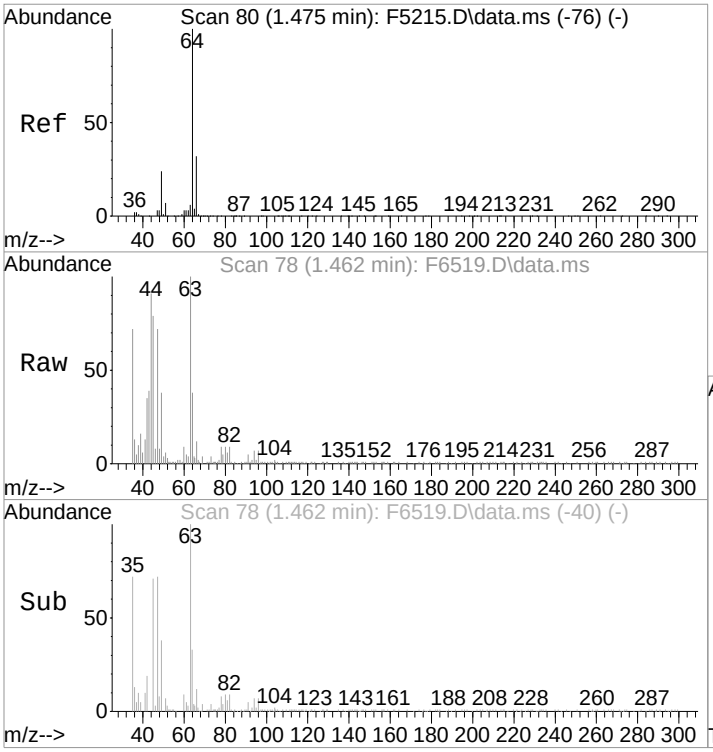


#5
Bromomethane
Concen: 0.54 ug/L
RT: 1.407 min Scan# 69
Delta R.T. 0.000 min
Lab File: F6519.D
Acq: 8 May 2019 7:01 pm

Tgt Ion: 94 Resp: 1375

Ion	Ratio	Lower	Upper
94	100		
96	93.4	74.5	114.5

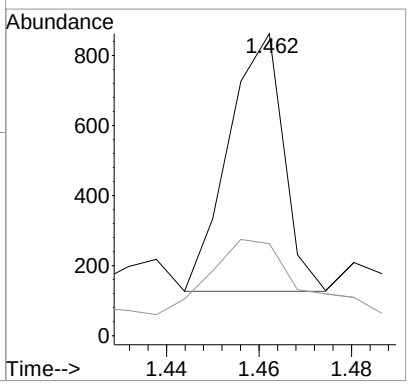


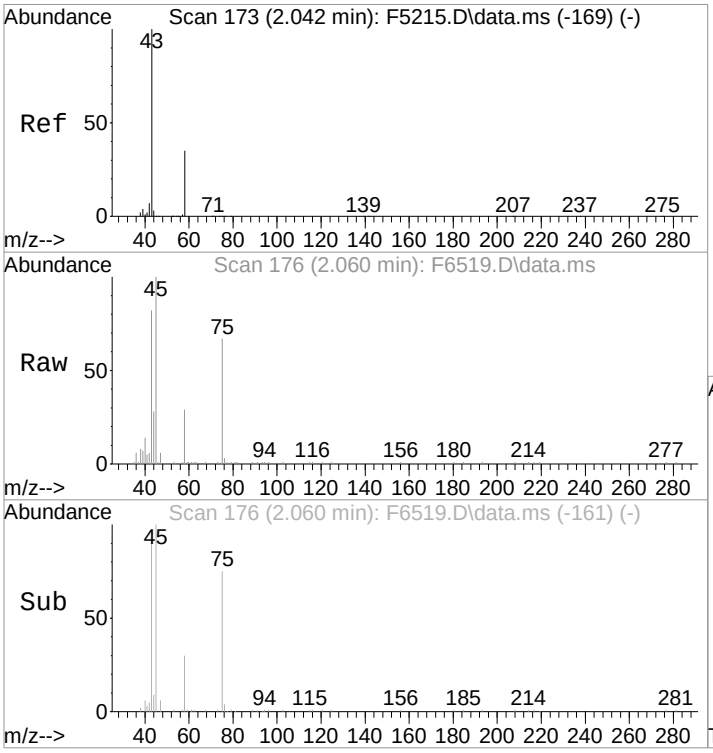


#6
Chloroethane
Concen: 0.37 ug/L
RT: 1.462 min Scan# 78
Delta R.T. -0.012 min
Lab File: F6519.D
Acq: 8 May 2019 7:01 pm

Tgt Ion: 64 Resp: 602

Ion	Ratio	Lower	Upper
64	100		
66	30.5	11.6	51.6

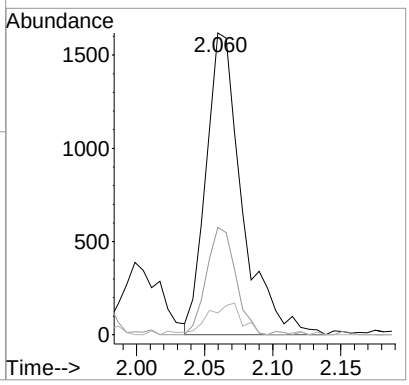


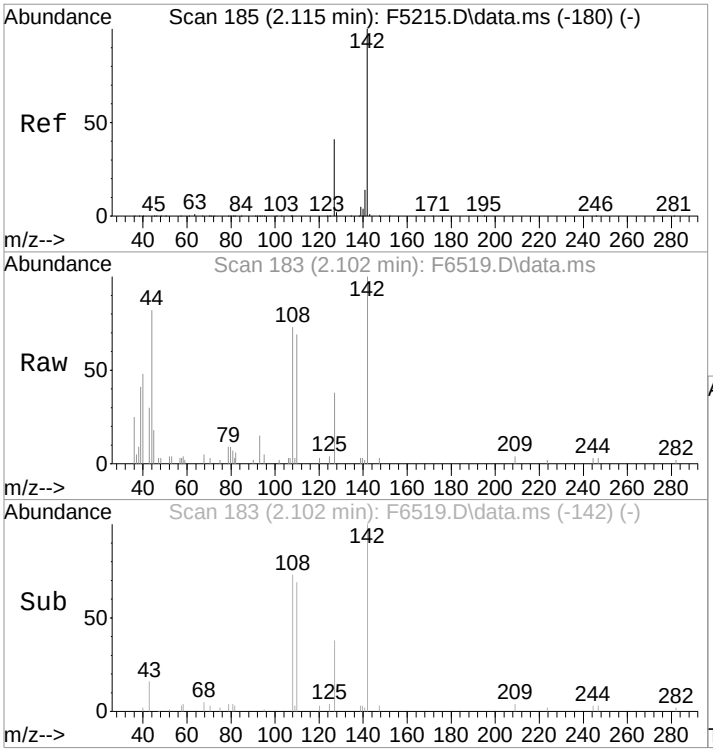


#15
Acetone
Concen: 2.61 ug/L
RT: 2.060 min Scan# 176
Delta R.T. 0.019 min
Lab File: F6519.D
Acq: 8 May 2019 7:01 pm

Tgt Ion: 43 Resp: 2965

Ion	Ratio	Lower	Upper
43	100		
58	35.5	14.7	54.7
42	7.3	0.0	27.4

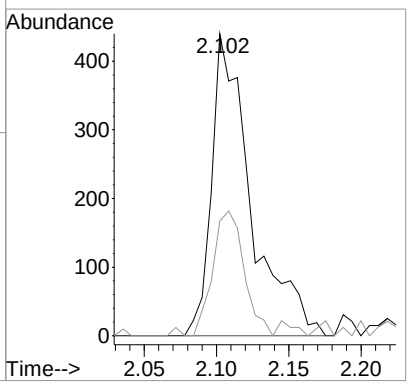


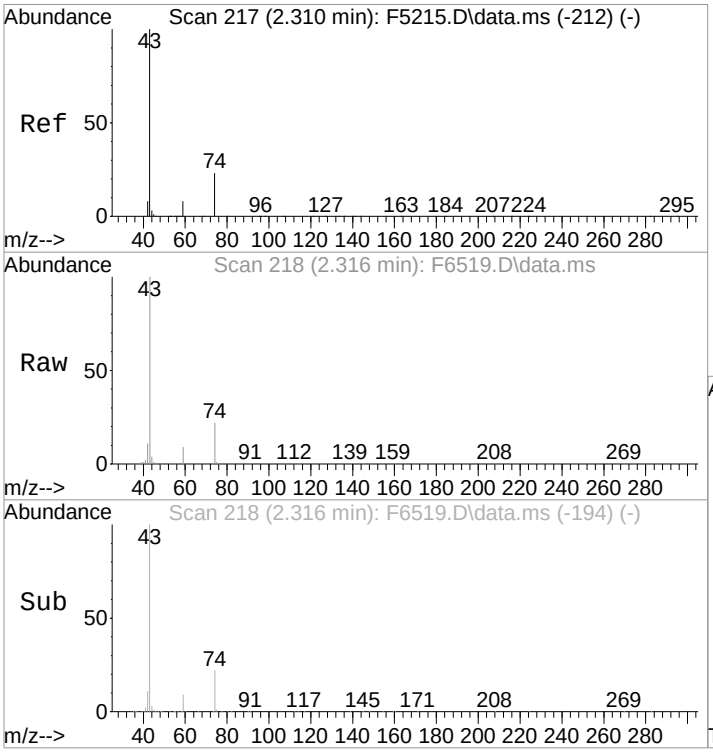


#17
Iodomethane
Concen: 1.55 ug/L
RT: 2.102 min Scan# 183
Delta R.T. -0.012 min
Lab File: F6519.D
Acq: 8 May 2019 7:01 pm

Tgt Ion:142 Resp: 834

Ion	Ratio	Lower	Upper
142	100		
127	38.0	21.2	61.2

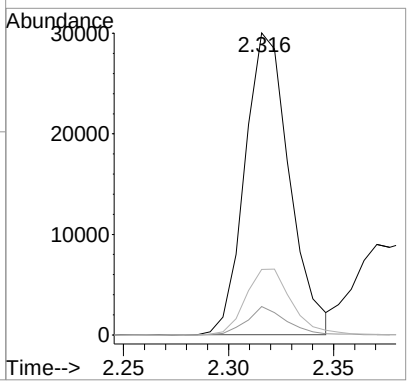


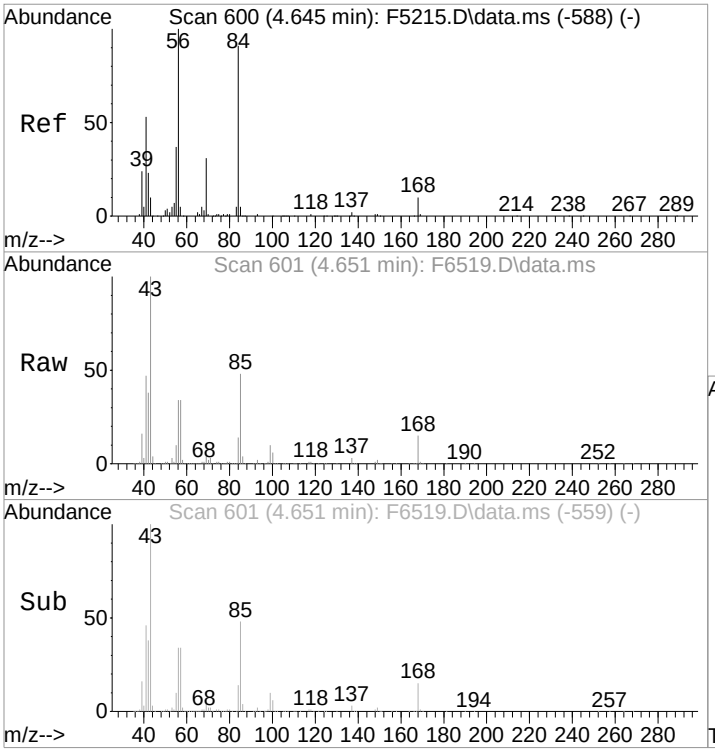


#21
Methyl Acetate
Concen: 18.74 ug/L
RT: 2.316 min Scan# 218
Delta R.T. 0.006 min
Lab File: F6519.D
Acq: 8 May 2019 7:01 pm

Tgt Ion: 43 Resp: 44198

Ion	Ratio	Lower	Upper
43	100		
59	9.4	0.0	28.2
74	21.7	3.6	43.6

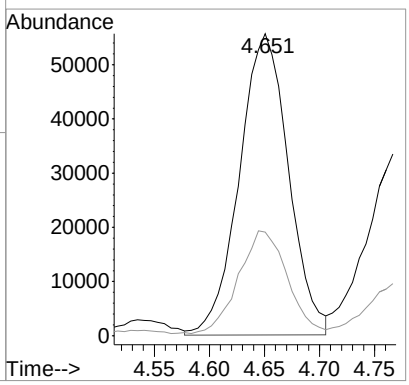


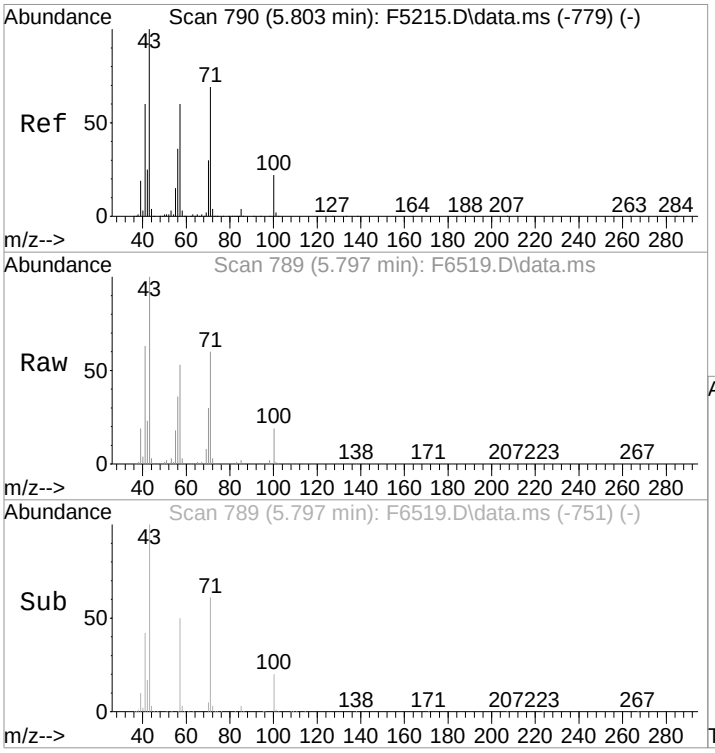


#43
Cyclohexane
Concen: 96.31 ug/L
RT: 4.651 min Scan# 601
Delta R.T. 0.006 min
Lab File: F6519.D
Acq: 8 May 2019 7:01 pm

Tgt Ion: 41 Resp: 172777

Ion	Ratio	Lower	Upper
41	100		
39	34.3	25.3	65.3

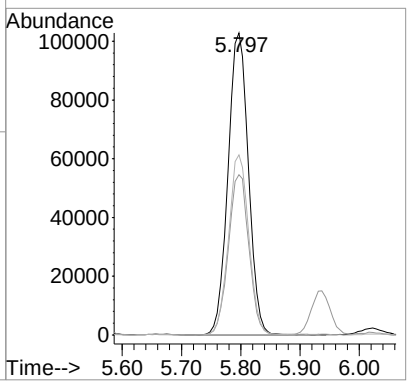


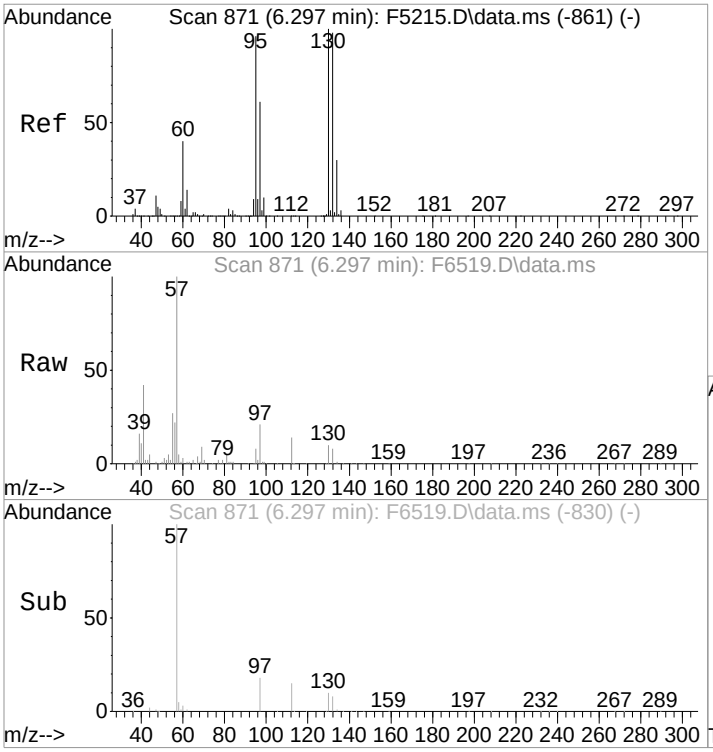


#51
n-Heptane
Concen: 105.90 ug/L
RT: 5.797 min Scan# 789
Delta R.T. -0.006 min
Lab File: F6519.D
Acq: 8 May 2019 7:01 pm

Tgt Ion: 43 Resp: 246055

Ion	Ratio	Lower	Upper
43	100		
57	53.1	39.7	79.7
71	59.6	48.7	88.7

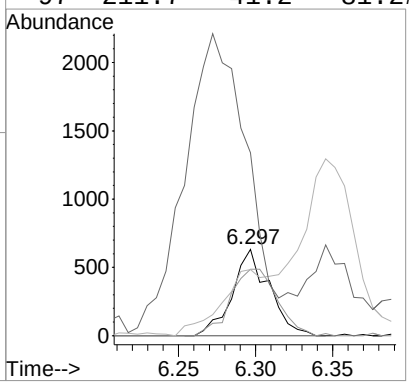


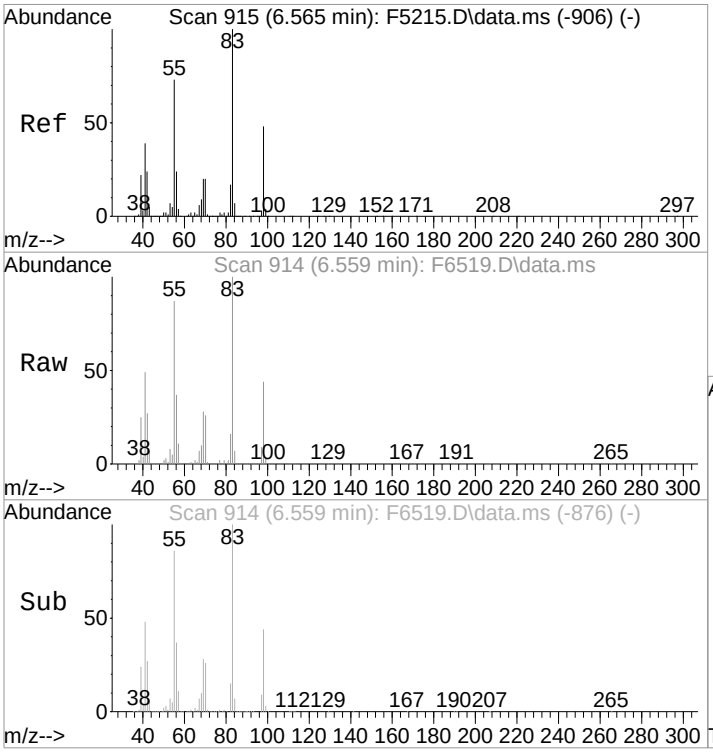


#53
Trichloroethene
Concen: 0.41 ug/L
RT: 6.297 min Scan# 871
Delta R.T. -0.000 min
Lab File: F6519.D
Acq: 8 May 2019 7:01 pm

Tgt Ion:130 Resp: 1051

Ion	Ratio	Lower	Upper
130	100		
132	76.8	78.0	118.0#
95	76.5	76.2	116.2
97	211.7	41.2	81.2#

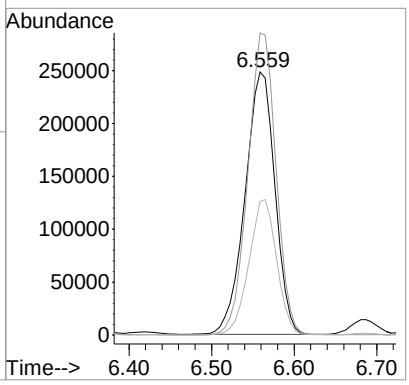


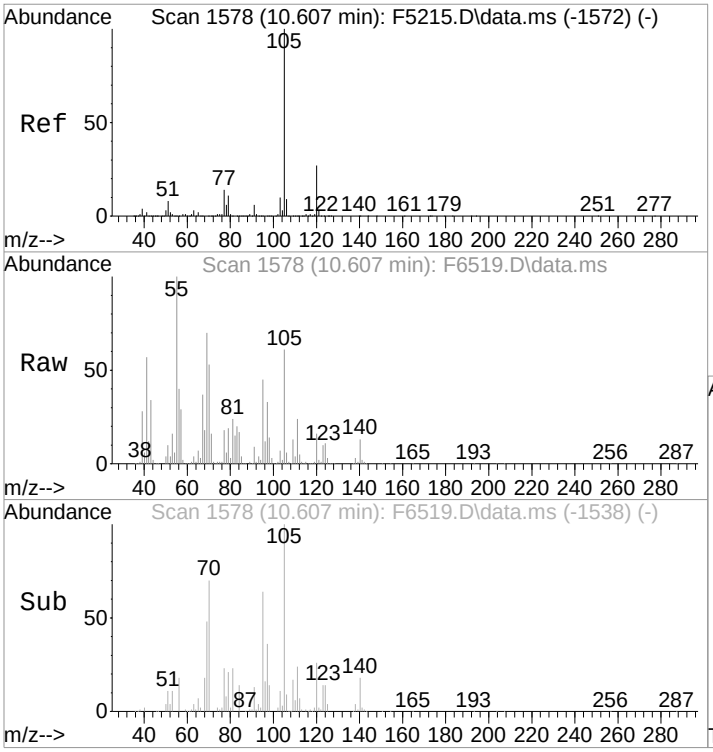


#54
Methylcyclohexane
Concen: 250.63 ug/L
RT: 6.559 min Scan# 914
Delta R.T. -0.006 min
Lab File: F6519.D
Acq: 8 May 2019 7:01 pm

Tgt Ion: 55 Resp: 626843

Ion	Ratio	Lower	Upper
55	100		
83	114.8	116.5	156.5#
98	50.9	45.8	85.8

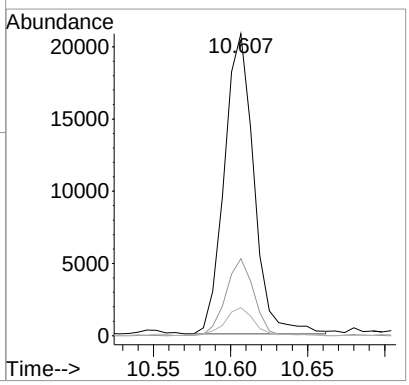


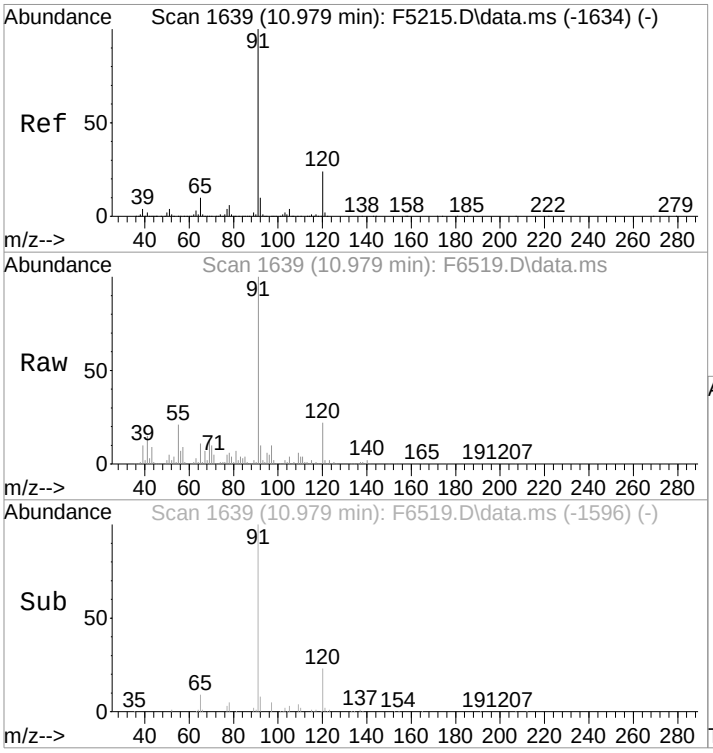


#87
Isopropylbenzene
Concen: 2.81 ug/L
RT: 10.607 min Scan# 1578
Delta R.T. -0.000 min
Lab File: F6519.D
Acq: 8 May 2019 7:01 pm

Tgt Ion:105 Resp: 27734

Ion	Ratio	Lower	Upper
105	100		
120	25.5	6.5	46.5
106	9.3	0.0	28.8

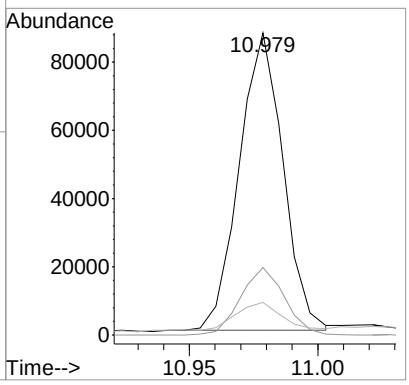


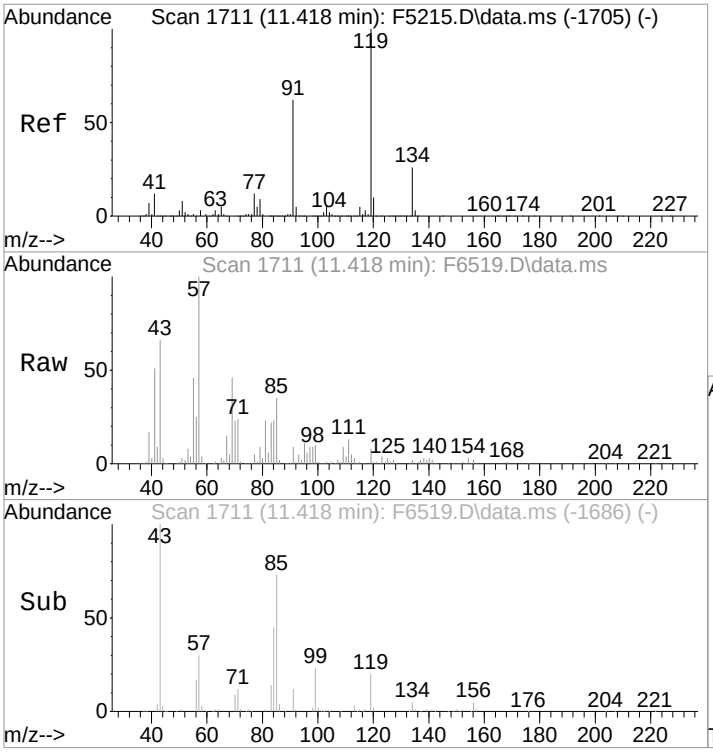


#94
n-Propylbenzene
Concen: 8.72 ug/L
RT: 10.979 min Scan# 1639
Delta R.T. -0.000 min
Lab File: F6519.D
Acq: 8 May 2019 7:01 pm

Tgt Ion: 91 Resp: 102976

Ion	Ratio	Lower	Upper
91	100		
120	22.3	3.7	43.7
65	10.8	0.0	29.5

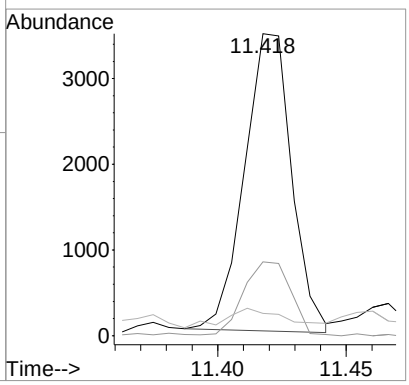


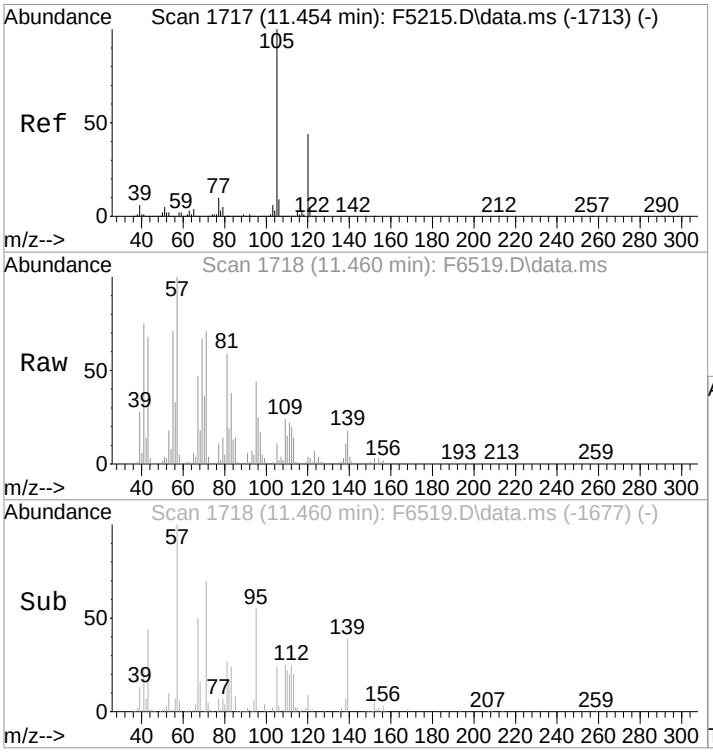


#99
tert-Butylbenzene
Concen: 0.60 ug/L
RT: 11.418 min Scan# 1711
Delta R.T. -0.000 min
Lab File: F6519.D
Acq: 8 May 2019 7:01 pm

Tgt Ion:119 Resp: 4419

Ion	Ratio	Lower	Upper
119	100		
134	24.5	6.3	46.3
103	7.4	0.0	26.2

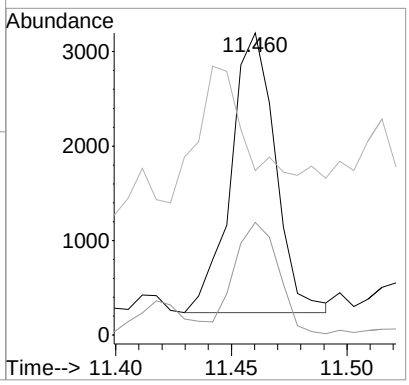


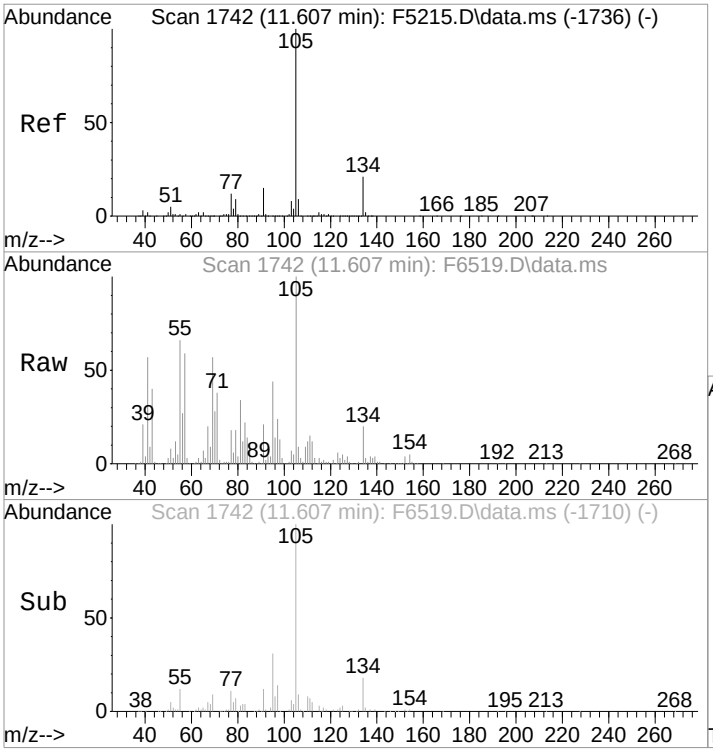


#100
1,2,4-Trimethylbenzene
Concen: 0.46 ug/L
RT: 11.460 min Scan# 1718
Delta R.T. 0.006 min
Lab File: F6519.D
Acq: 8 May 2019 7:01 pm

Tgt Ion:105 Resp: 3951

Ion	Ratio	Lower	Upper
105	100		
120	37.3	26.3	66.3
65	54.5	0.0	24.4#

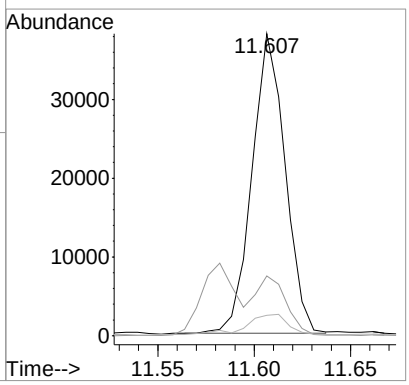


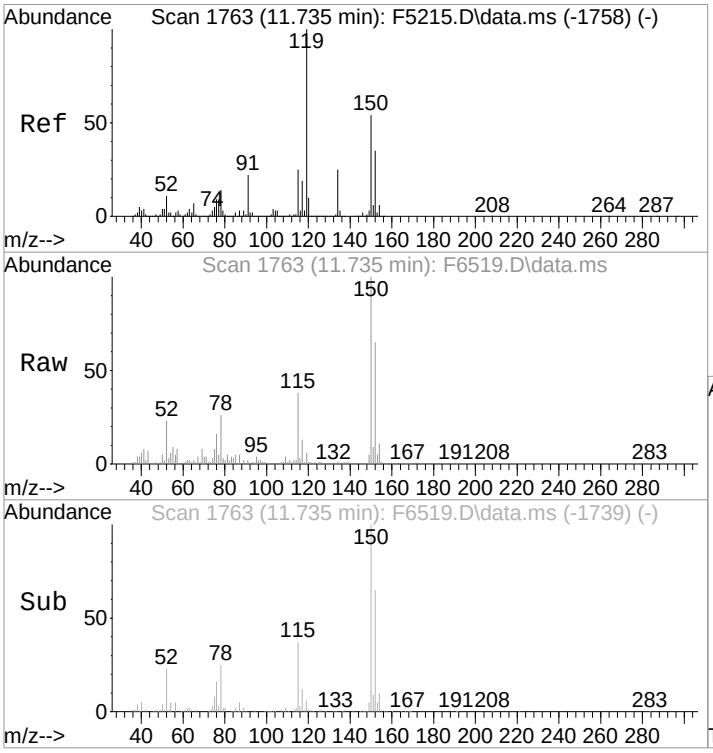


#102
sec-Butylbenzene
Concen: 4.34 ug/L
RT: 11.607 min Scan# 1742
Delta R.T. -0.000 min
Lab File: F6519.D
Acq: 8 May 2019 7:01 pm

Tgt Ion:105 Resp: 45459

Ion	Ratio	Lower	Upper
105	100		
134	19.8	0.7	40.7
103	6.8	0.0	27.8

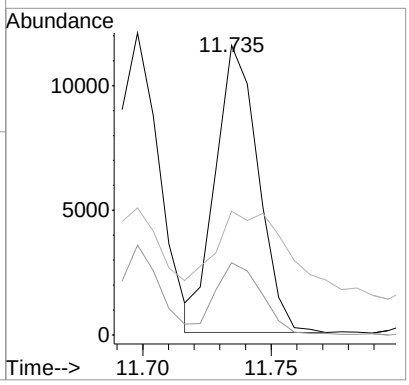


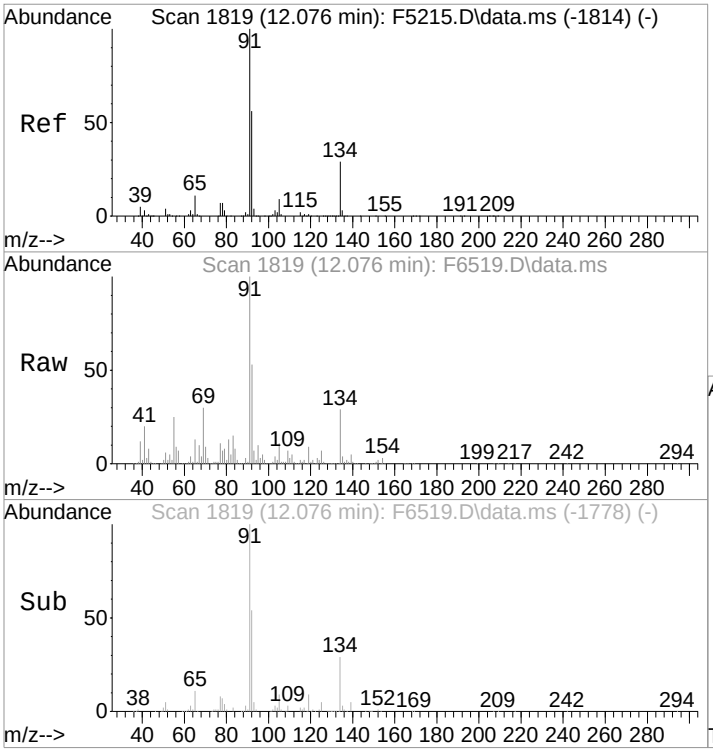


#103
p-Isopropyltoluene
Concen: 1.50 ug/L
RT: 11.735 min Scan# 1763
Delta R.T. -0.000 min
Lab File: F6519.D
Acq: 8 May 2019 7:01 pm

Tgt Ion:119 Resp: 13375

Ion	Ratio	Lower	Upper
119	100		
134	24.9	5.5	45.5
91	42.8	1.7	41.7#

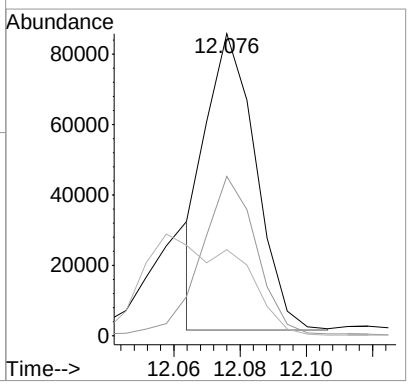


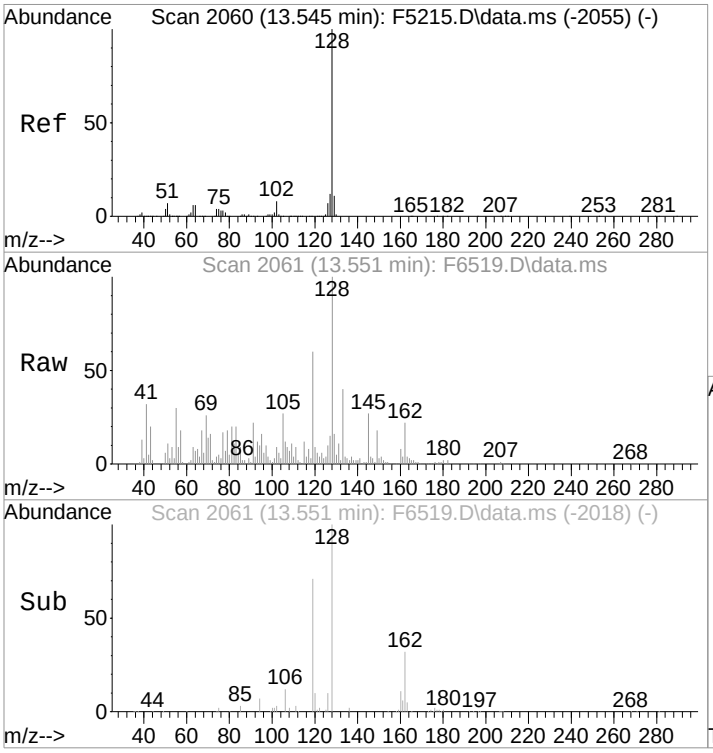


#108
n-Butylbenzene
Concen: 11.25 ug/L m
RT: 12.076 min Scan# 1819
Delta R.T. -0.000 min
Lab File: F6519.D
Acq: 8 May 2019 7:01 pm

Tgt Ion: 91 Resp: 88311

Ion	Ratio	Lower	Upper
91	100		
92	52.7	35.6	75.6
134	28.5	8.6	48.6

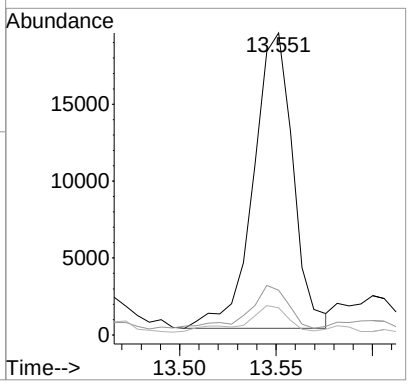




#116
Naphthalen
Concen: 3.02 ug/L
RT: 13.551 min Scan# 2061
Delta R.T. 0.006 min
Lab File: F6519.D
Acq: 8 May 2019 7:01 pm

Tgt Ion:128 Resp: 27391

Ion	Ratio	Lower	Upper
128	100		
127	14.8	0.0	32.4
102	9.0	0.0	28.1

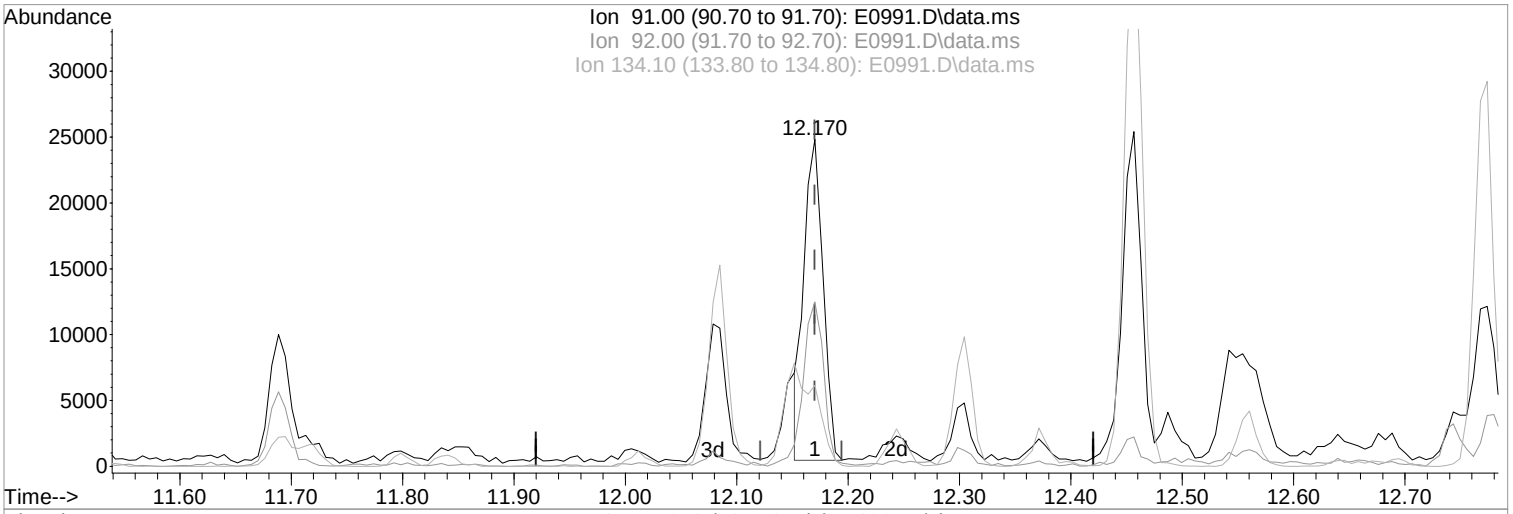


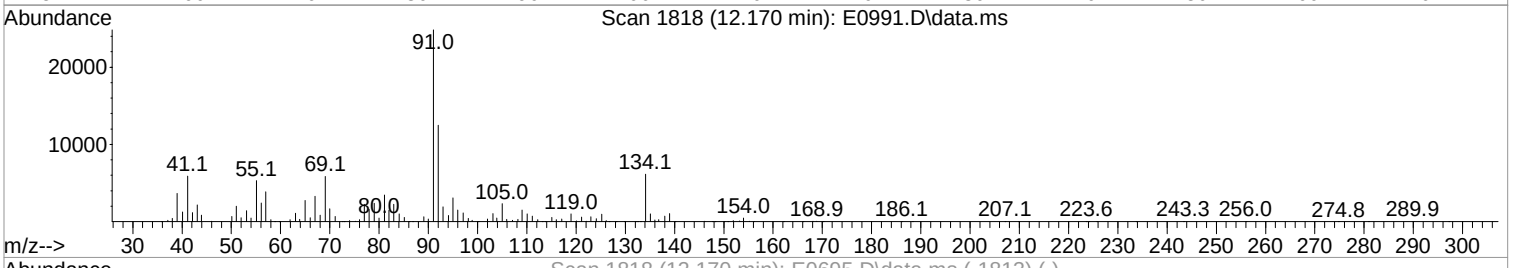
1st DL 05/13/19
2nd FW 05/13/19

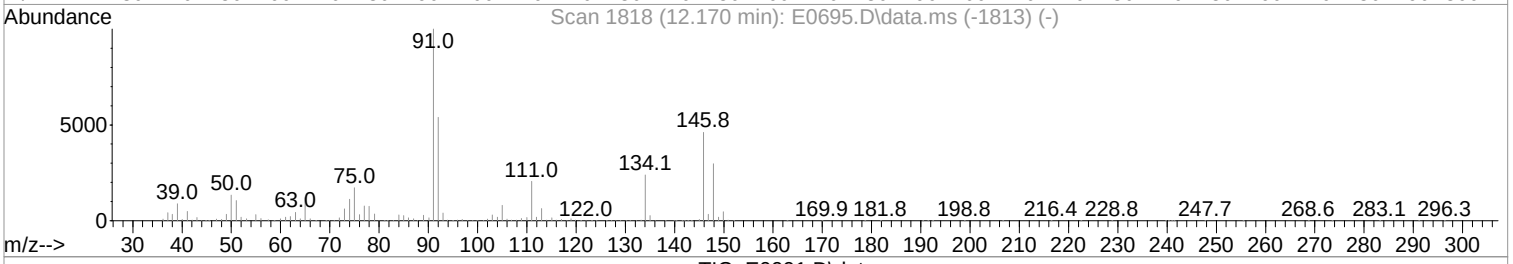
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\051019\
Data File : E0991.D
Acq On : 10 May 2019 5:19 pm
Operator : D.LIPANI
Sample : R1903959-007|290 Inst : MSVOA10
Misc : Day 19396 T4
ALS Vial : 22 Sample Multiplier: 1

Quant Time: May 11 14:18:25 2019
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W043019.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 01 13:32:41 2019
Response via : Initial Calibration







TIC: E0991.D\data.ms

(108) n-Butylbenzene

12.170min (+0.000) 2.54 ug/L m

response 28969

Ion	Exp%	Act%
91.00	100	100
92.00	53.90	50.27
134.10	23.90	24.74
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

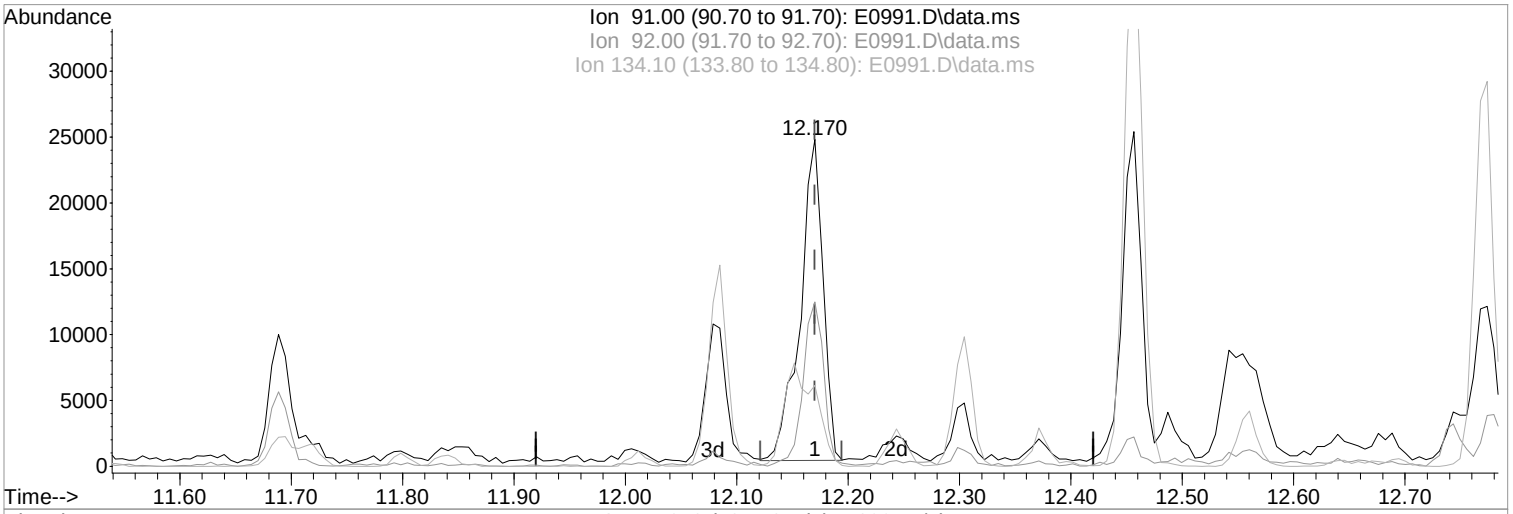
05/12/19

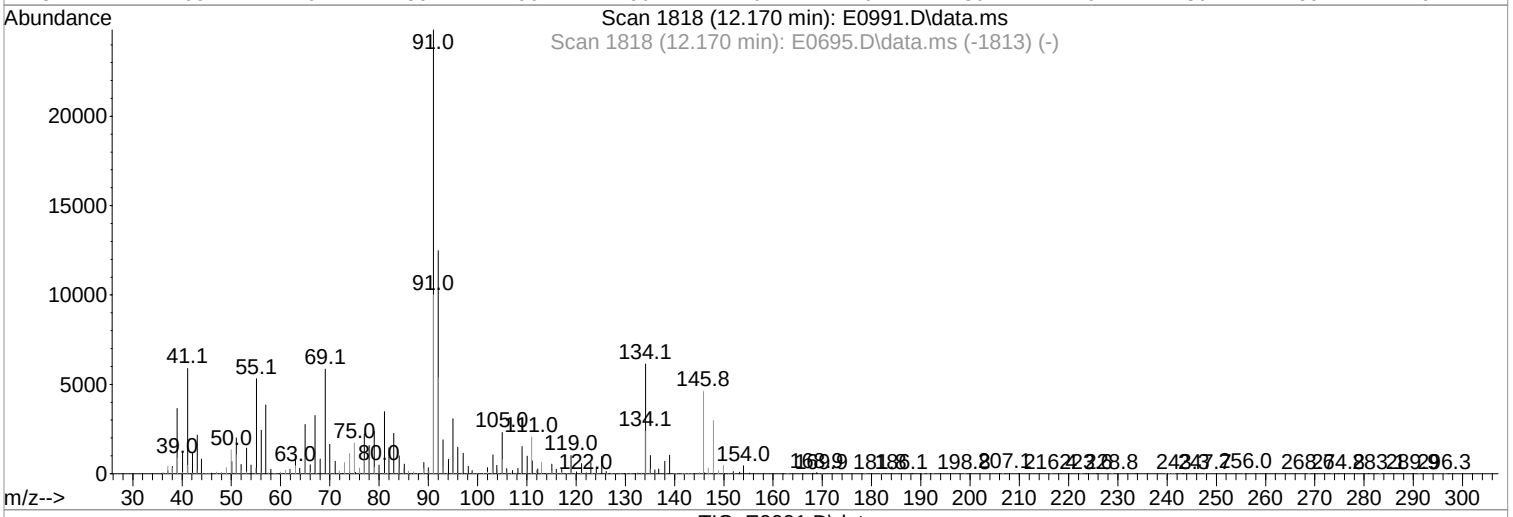
1st DL 05/13/19
2nd FW 05/13/19

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\051019\
Data File : E0991.D
Acq On : 10 May 2019 5:19 pm
Operator : D.LIPANI
Sample : R1903959-007|290 Inst : MSVOA10
Misc : Day 19396 T4
ALS Vial : 22 Sample Multiplier: 1

Quant Time: May 11 14:18:25 2019
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W043019.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 01 13:32:41 2019
Response via : Initial Calibration





TIC: E0991.D\data.ms

(108) n-Butylbenzene

12.170min (+0.000) 3.06 ug/L

response 34895

Ion	Exp%	Act%
91.00	100	100
92.00	53.90	50.27
134.10	23.90	24.74
0.00	0.00	0.00

Manual Integration:

Before

05/12/19

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\051019\
Data File : E0991.D
Acq On : 10 May 2019 5:19 pm
Operator : D.LIPANI
Sample : R1903959-007|290 Inst : MSVOA10
Misc : Day 19396 T4
ALS Vial : 22 Sample Multiplier: 1

Quant Time: May 12 13:53:17 2019
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W043019.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 01 13:32:41 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.385	168	236648	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.488	114	383237	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.805	117	332168	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.853	152	181626	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.239	113	116104	46.25	ug/L	0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 92.50%			
46) surr1,1,2-dichloroetha...	5.775	65	173777	49.09	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 98.18%			
64) SURR3,Toluene-d8	8.311	98	516787	49.74	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 99.48%			
69) SURR2,BFB	10.878	95	196249	48.82	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 97.64%			
Target Compounds						Qvalue
5) Bromomethane	1.575	94	2348	0.21	ug/L	92
15) Acetone	2.337	43	4846	2.88	ug/L	91
17) Iodomethane	2.410	142	409	1.58	ug/L	98
21) Methyl Acetate	2.642	43	18280	5.20	ug/L	95
23) TBA	2.873	59	1026	1.95	ug/L	80
34) 2-Butanone	4.422	43	1204	0.56	ug/L	66
42) Cyclohexane	5.348	41	55519	16.19	ug/L	80
51) n-Heptane	6.348	43	73514	16.79	ug/L	96
54) Methylcyclohexane	7.049	55	186315	45.24	ug/L	82
87) Isopropylbenzene	10.756	105	8414	0.66	ug/L	84
94) n-Propylbenzene	11.109	91	30967	1.92	ug/L	94
102) sec-Butylbenzene	11.719	105	13289	0.95	ug/L	94
103) p-Isopropyltoluene	11.841	119	3895	0.34	ug/L	88
108) n-Butylbenzene	12.170	91	28969m	2.54	ug/L	
116) Naphthalen	13.639	128	9815	0.81	ug/L	88

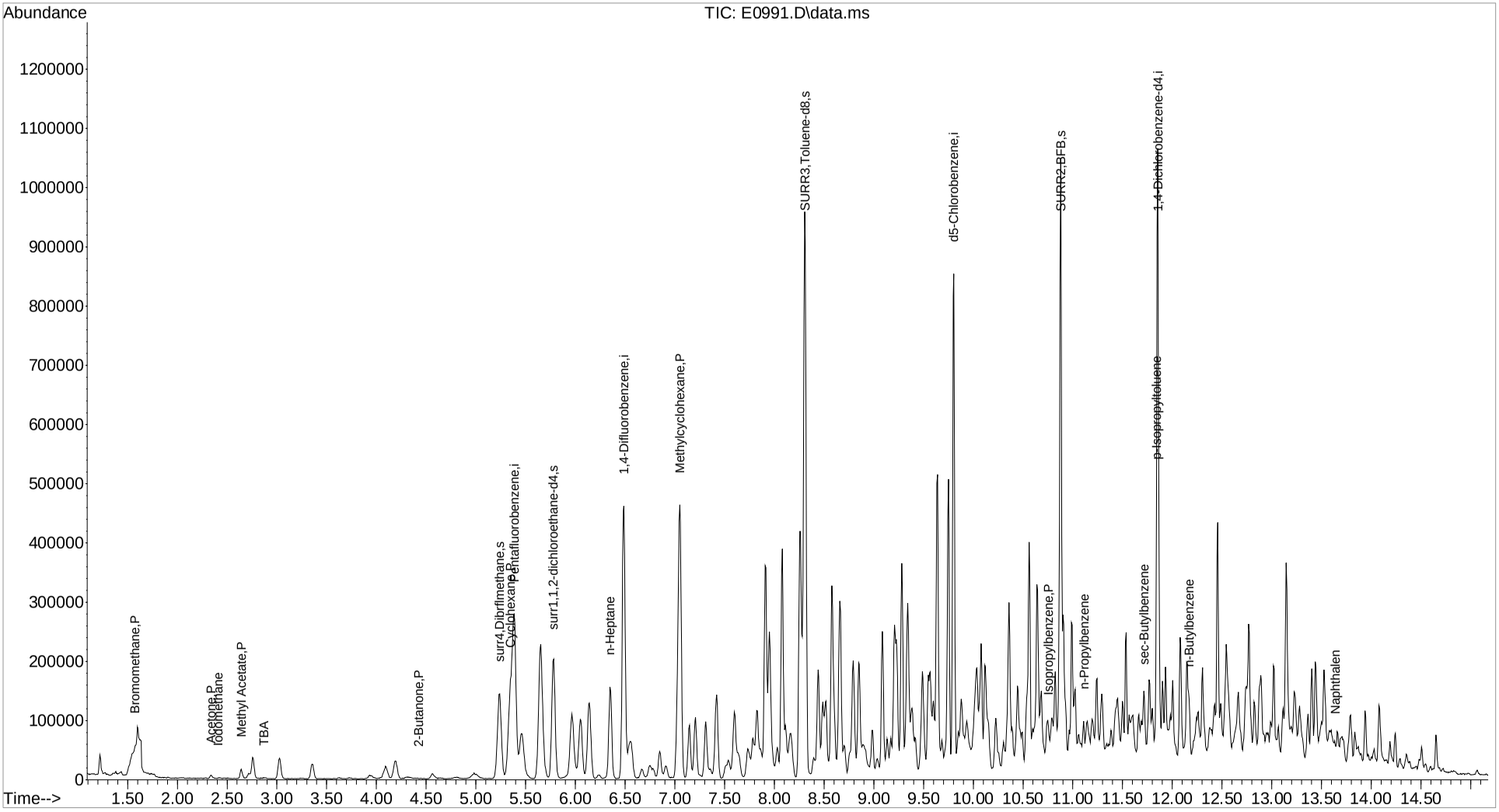
DL

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

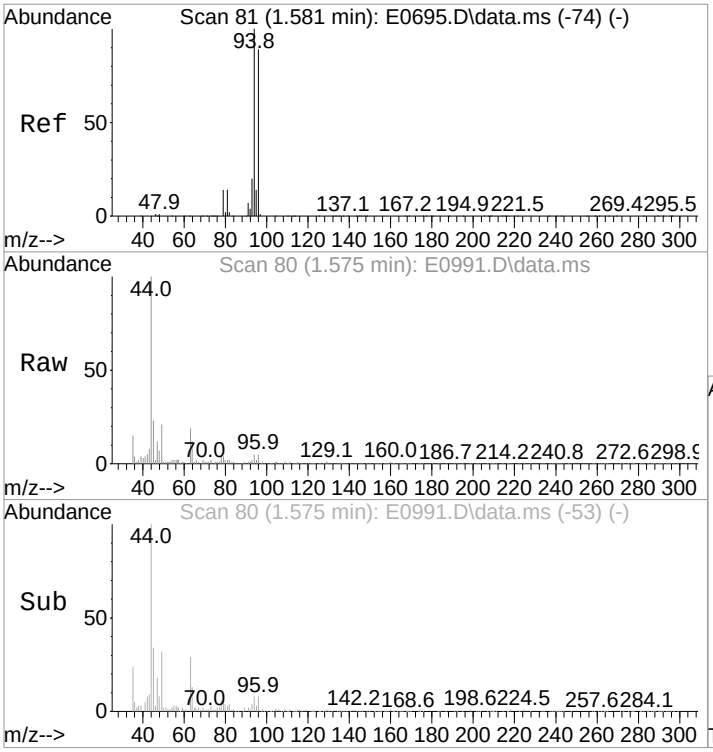
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\051019\
Data File : E0991.D
Acq On : 10 May 2019 5:19 pm
Operator : D.LIPANI
Sample : R1903959-007|290 Inst : MSVOA10
Misc : Day 19396 T4
ALS Vial : 22 Sample Multiplier: 1

Quant Time: May 12 13:53:17 2019
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W043019.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 01 13:32:41 2019
Response via : Initial Calibration



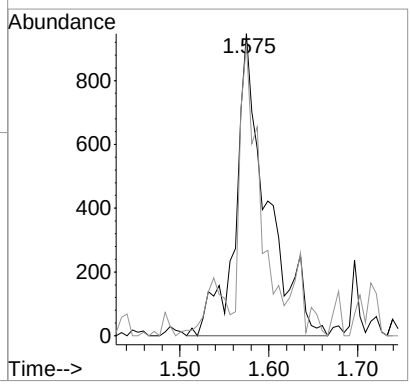
1st DL 05/13/19
2nd FJ 05/13/19

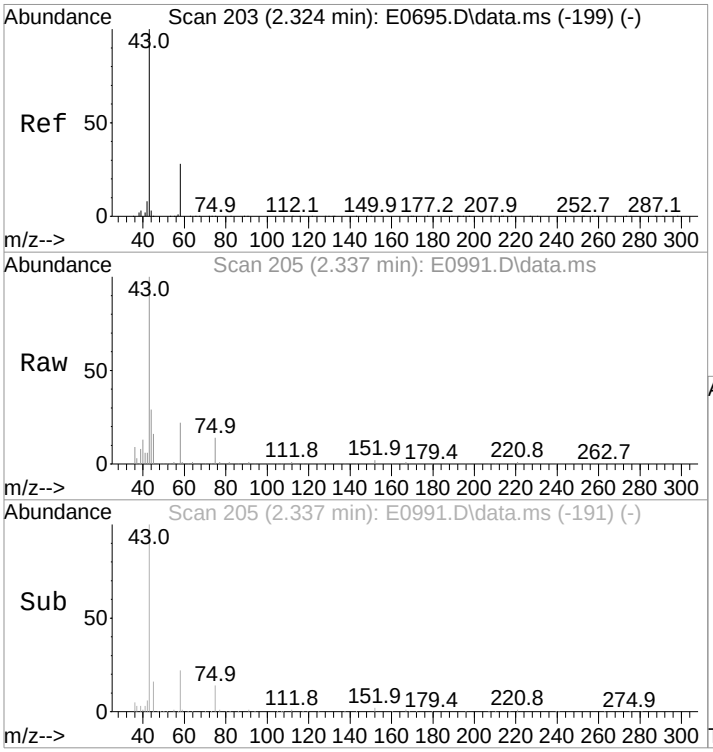


#5
Bromomethane
Concen: 0.21 ug/L
RT: 1.575 min Scan# 80
Delta R.T. 0.001 min
Lab File: E0991.D
Acq: 10 May 2019 5:19 pm

Tgt Ion: 94 Resp: 2348

Ion	Ratio	Lower	Upper
94	100		
96	96.6	69.0	109.0

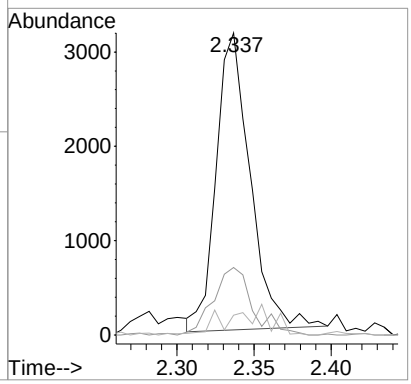


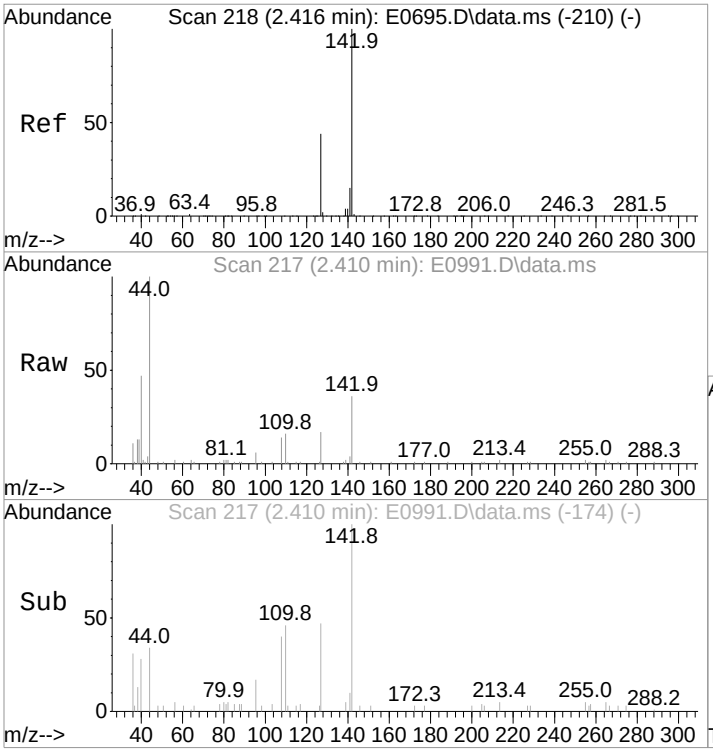


#15
Acetone
Concen: 2.88 ug/L
RT: 2.337 min Scan# 205
Delta R.T. 0.012 min
Lab File: E0991.D
Acq: 10 May 2019 5:19 pm

Tgt Ion: 43 Resp: 4846

Ion	Ratio	Lower	Upper
43	100		
58	22.3	7.8	47.8
42	6.5	0.0	27.8

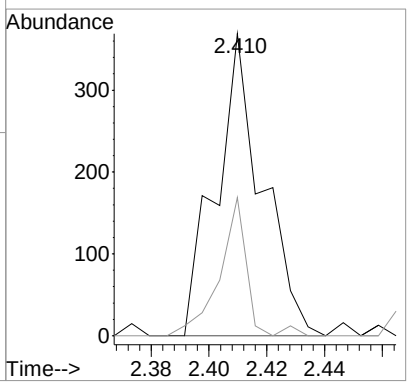


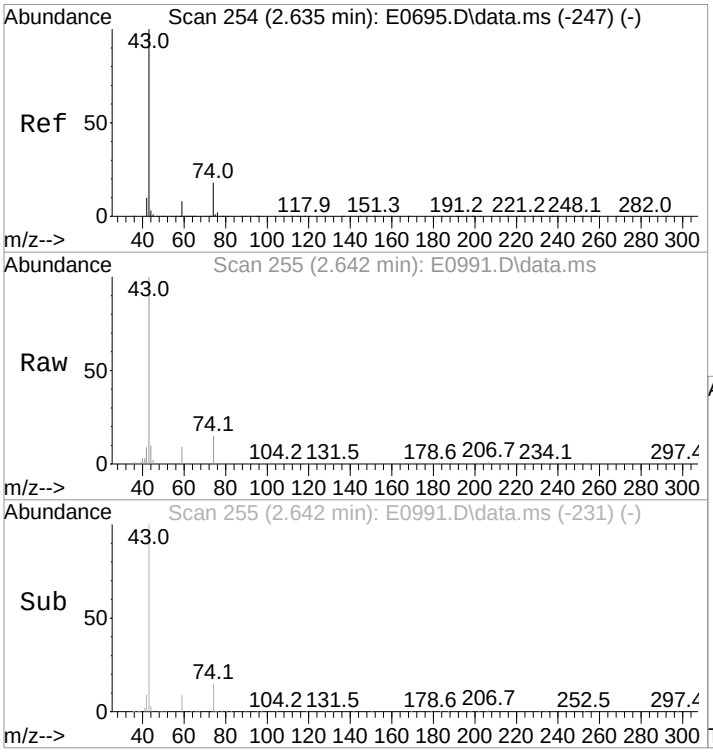


#17
Iodomethane
Concen: 1.58 ug/L
RT: 2.410 min Scan# 217
Delta R.T. 0.001 min
Lab File: E0991.D
Acq: 10 May 2019 5:19 pm

Tgt Ion:142 Resp: 409

Ion	Ratio	Lower	Upper
142	100		
127	45.8	24.4	64.4

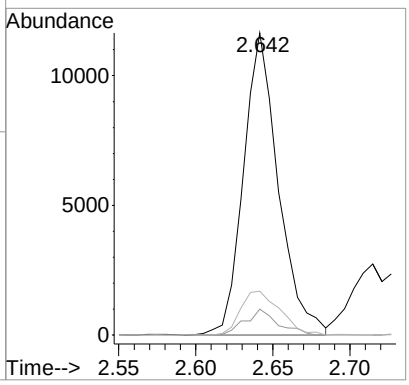


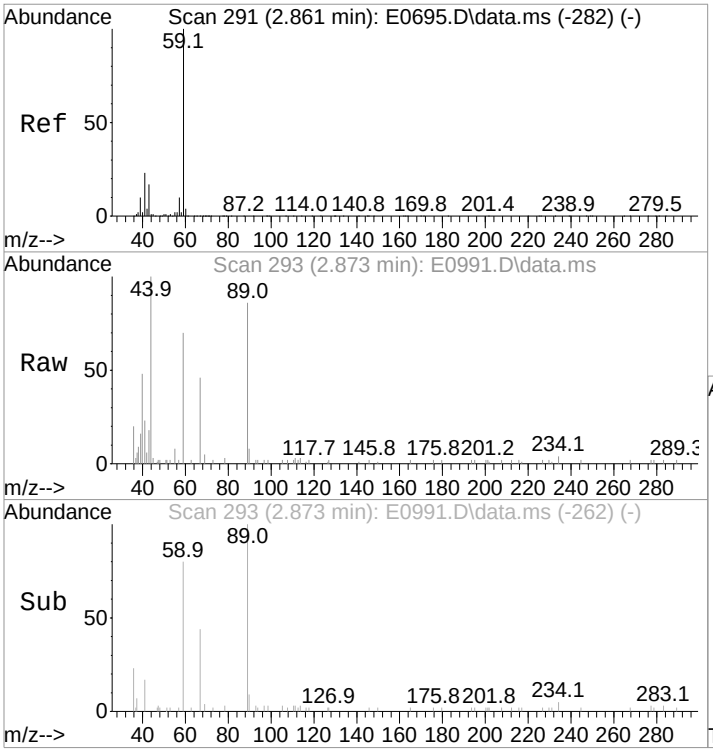


#21
Methyl Acetate
Concen: 5.20 ug/L
RT: 2.642 min Scan# 255
Delta R.T. 0.006 min
Lab File: E0991.D
Acq: 10 May 2019 5:19 pm

Tgt Ion: 43 Resp: 18280

Ion	Ratio	Lower	Upper
43	100		
59	8.5	0.0	27.9
74	14.5	0.0	37.6

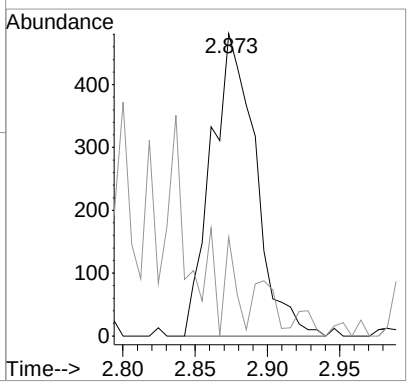


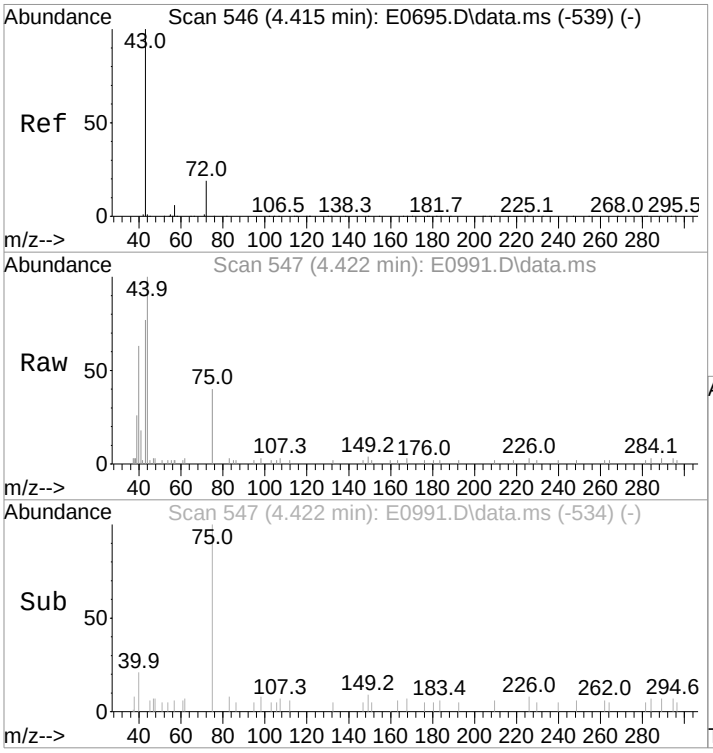


#23
TBA
Concen: 1.95 ug/L
RT: 2.873 min Scan# 293
Delta R.T. 0.000 min
Lab File: E0991.D
Acq: 10 May 2019 5:19 pm

Tgt Ion: 59 Resp: 1026

Ion	Ratio	Lower	Upper
59	100		
41	32.6	3.1	43.1

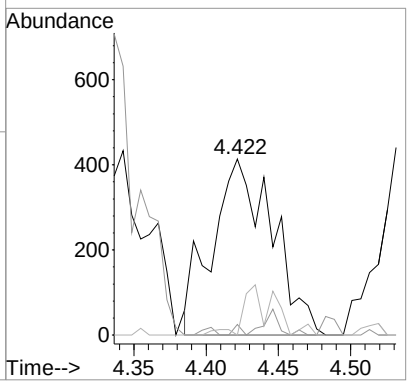


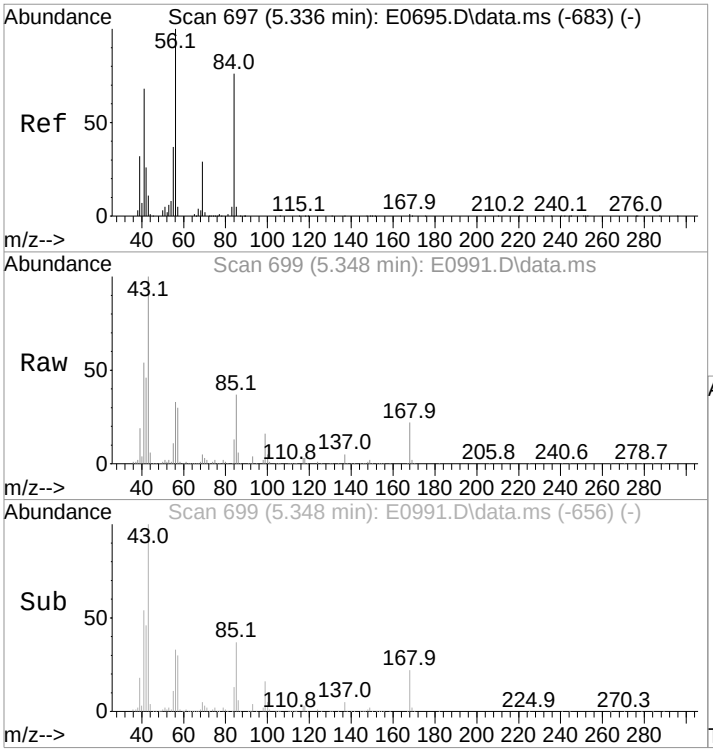


#34
2-Butanone
Concen: 0.56 ug/L
RT: 4.422 min Scan# 547
Delta R.T. 0.006 min
Lab File: E0991.D
Acq: 10 May 2019 5:19 pm

Tgt Ion: 43 Resp: 1204

Ion	Ratio	Lower	Upper
43	100		
57	6.0	0.0	25.7
72	0.0	0.0	40.0

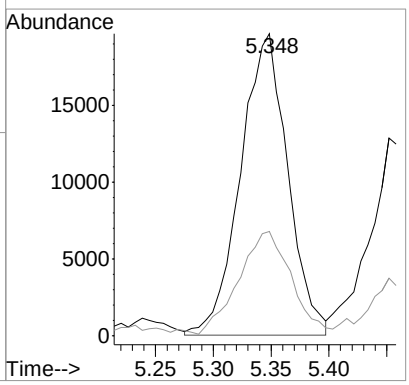


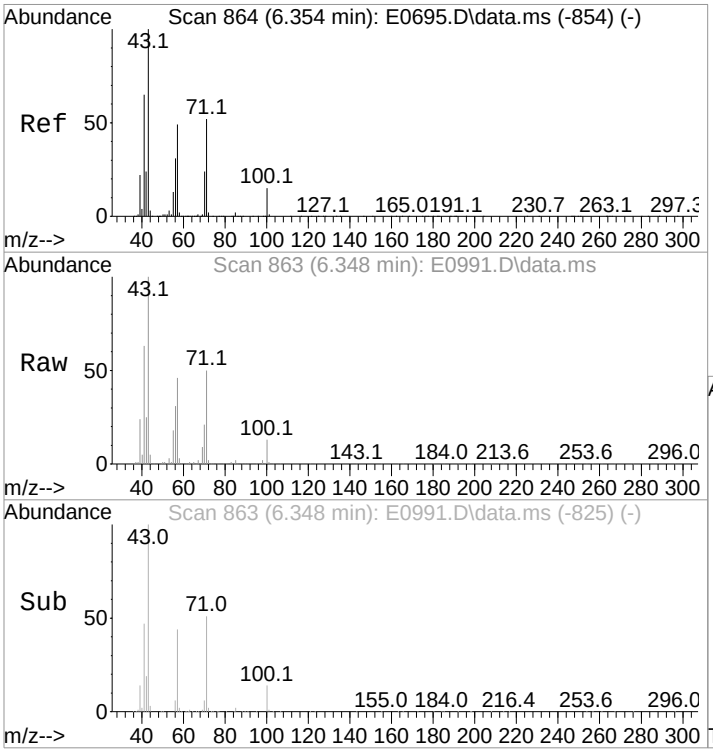


#42
Cyclohexane
Concen: 16.19 ug/L
RT: 5.348 min Scan# 699
Delta R.T. 0.012 min
Lab File: E0991.D
Acq: 10 May 2019 5:19 pm

Tgt Ion: 41 Resp: 55519

Ion	Ratio	Lower	Upper
41	100		
39	34.5	28.2	68.2

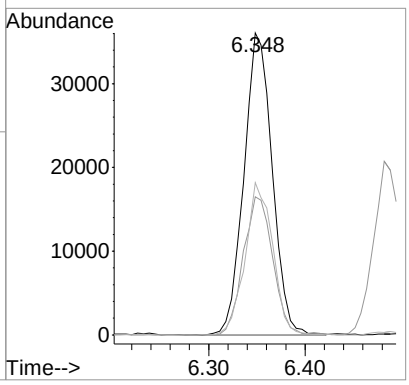


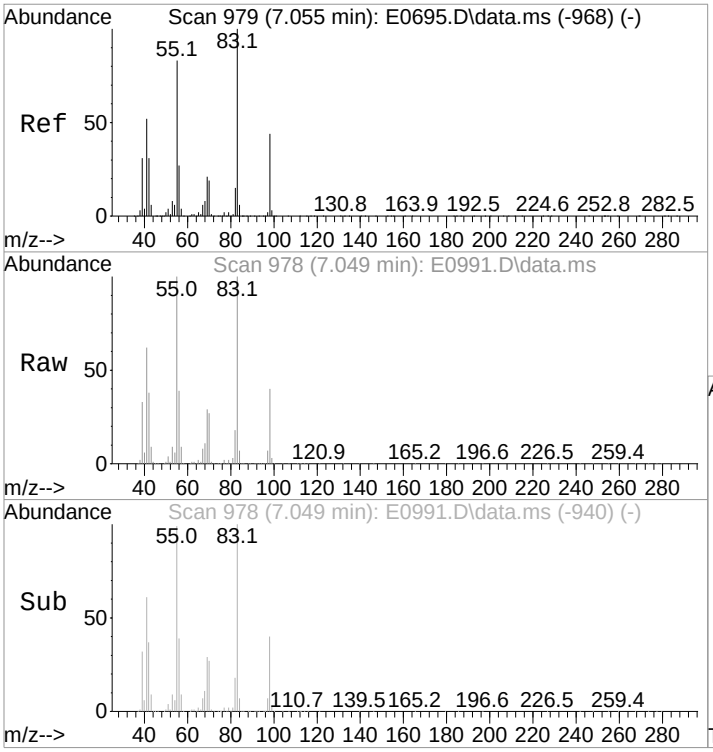


#51
n-Heptane
Concen: 16.79 ug/L
RT: 6.348 min Scan# 863
Delta R.T. -0.006 min
Lab File: E0991.D
Acq: 10 May 2019 5:19 pm

Tgt Ion: 43 Resp: 73514

Ion	Ratio	Lower	Upper
43	100		
57	45.7	29.2	69.2
71	50.4	32.4	72.4

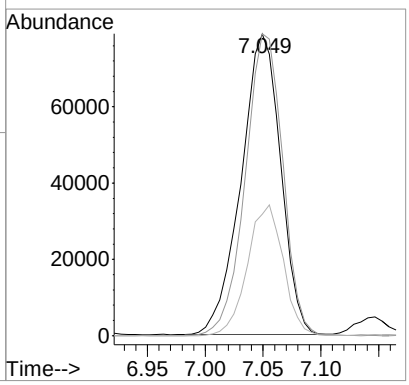


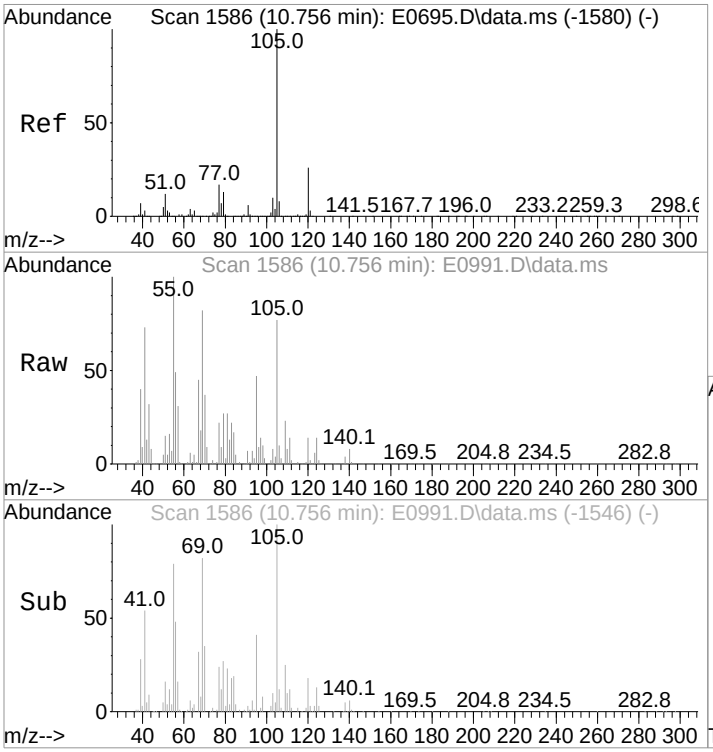


#54
Methylcyclohexane
Concen: 45.24 ug/L
RT: 7.049 min Scan# 978
Delta R.T. -0.006 min
Lab File: E0991.D
Acq: 10 May 2019 5:19 pm

Tgt Ion: 55 Resp: 186315

Ion	Ratio	Lower	Upper
55	100		
83	100.1	99.7	139.7
98	40.3	32.6	72.6

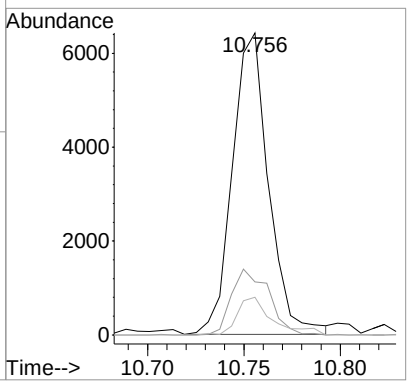


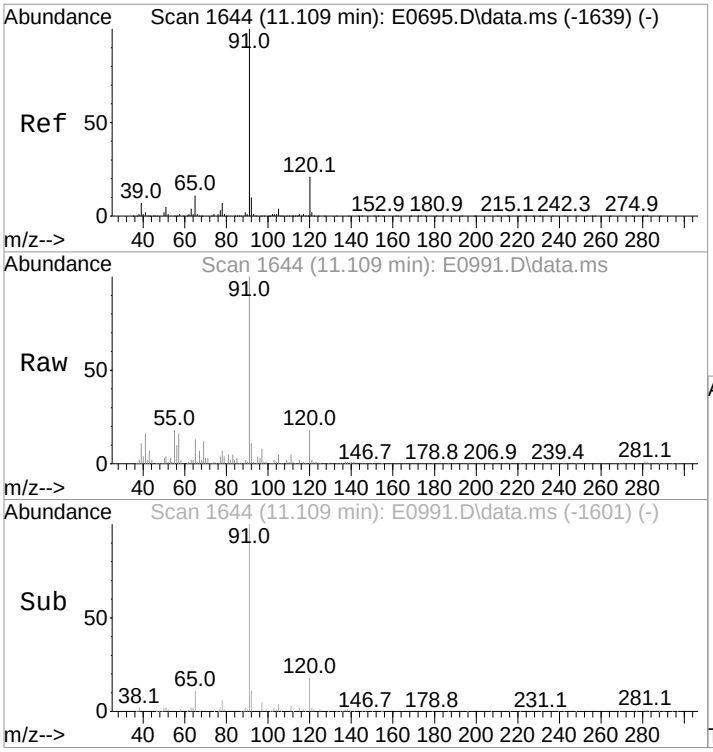


#87
Isopropylbenzene
Concen: 0.66 ug/L
RT: 10.756 min Scan# 1586
Delta R.T. 0.000 min
Lab File: E0991.D
Acq: 10 May 2019 5:19 pm

Tgt Ion:105 Resp: 8414

Ion	Ratio	Lower	Upper
105	100		
120	17.6	6.2	46.2
106	12.4	0.0	28.3

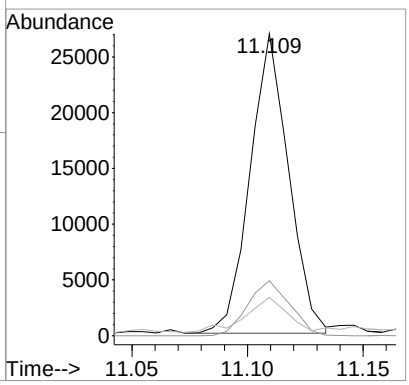


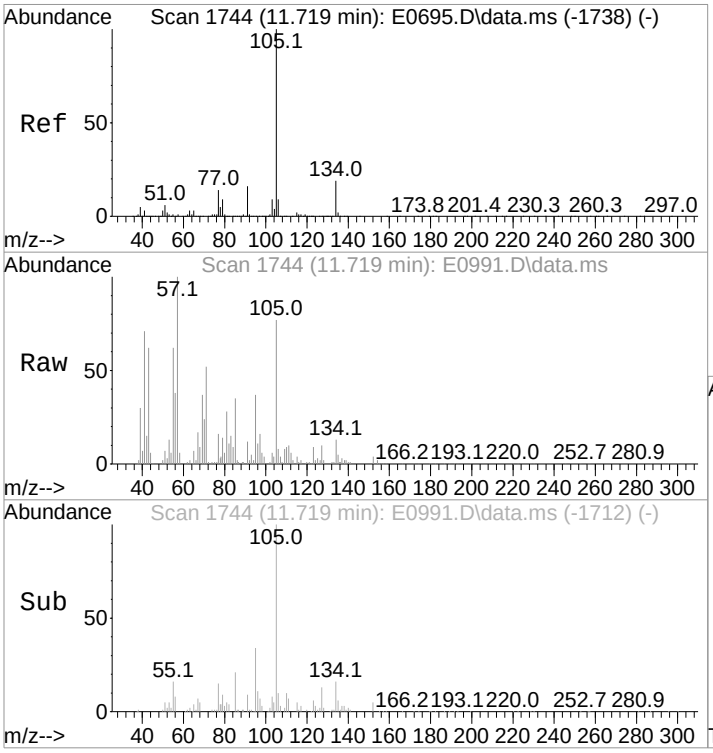


#94
n-Propylbenzene
Concen: 1.92 ug/L
RT: 11.109 min Scan# 1644
Delta R.T. 0.000 min
Lab File: E0991.D
Acq: 10 May 2019 5:19 pm

Tgt Ion: 91 Resp: 30967

Ion	Ratio	Lower	Upper
91	100		
120	18.2	1.3	41.3
65	12.7	0.0	31.0

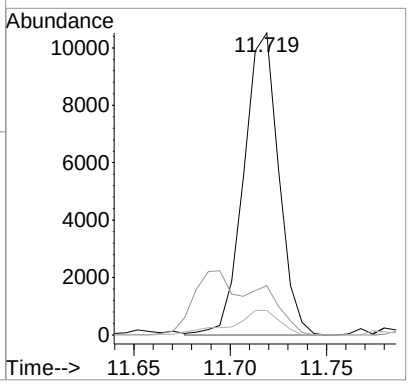


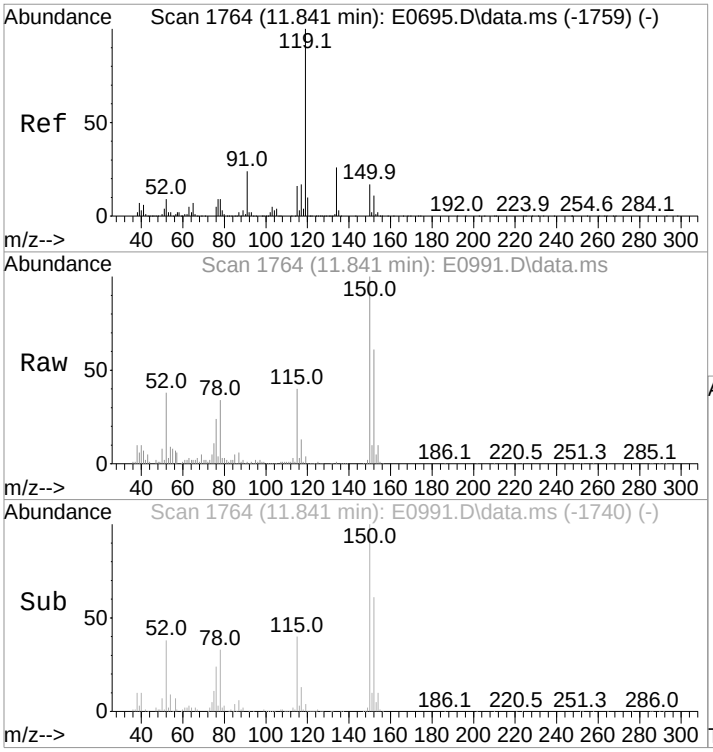


#102
sec-Butylbenzene
Concen: 0.95 ug/L
RT: 11.719 min Scan# 1744
Delta R.T. 0.000 min
Lab File: E0991.D
Acq: 10 May 2019 5:19 pm

Tgt Ion:105 Resp: 13289

Ion	Ratio	Lower	Upper
105	100		
134	16.3	0.0	39.4
103	8.2	0.0	29.1

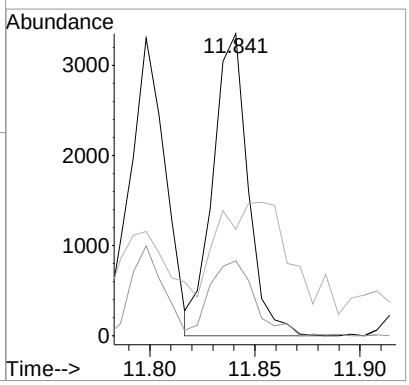


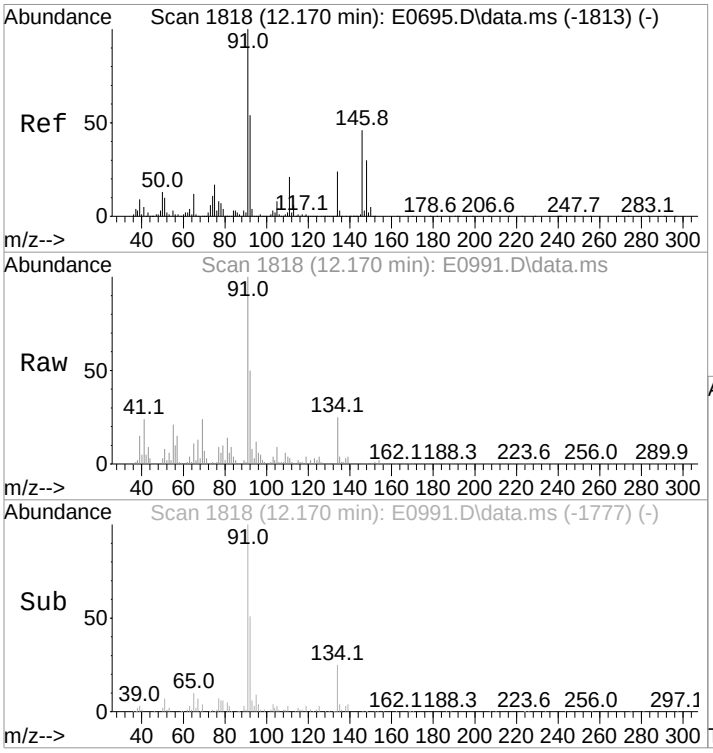


#103
p-Isopropyltoluene
Concen: 0.34 ug/L
RT: 11.841 min Scan# 1764
Delta R.T. 0.000 min
Lab File: E0991.D
Acq: 10 May 2019 5:19 pm

Tgt Ion:119 Resp: 3895

Ion	Ratio	Lower	Upper
119	100		
134	24.8	6.4	46.4
91	35.2	4.4	44.4

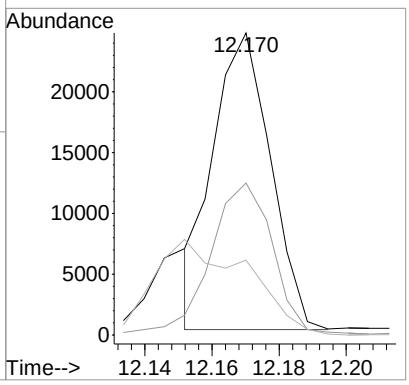


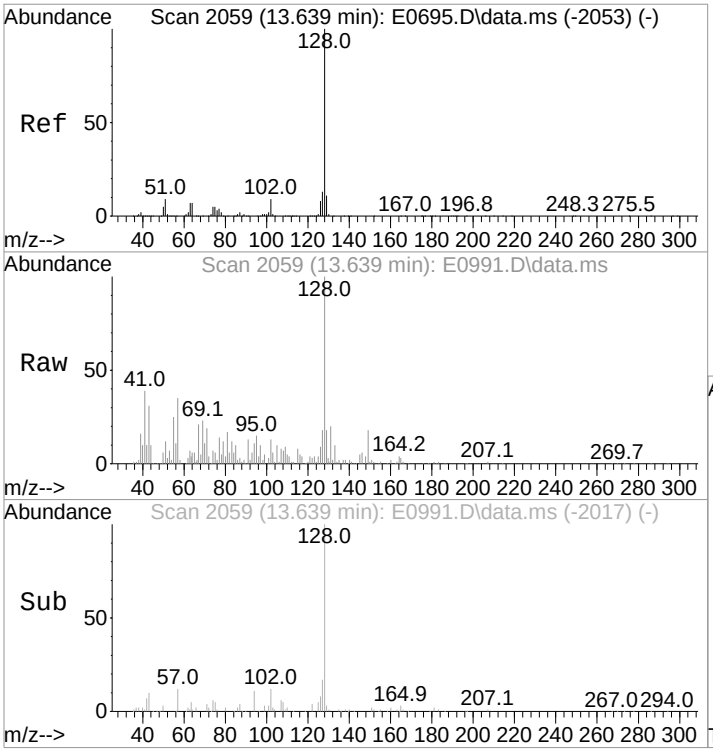


#108
n-Butylbenzene
Concen: 2.54 ug/L m
RT: 12.170 min Scan# 1818
Delta R.T. 0.000 min
Lab File: E0991.D
Acq: 10 May 2019 5:19 pm

Tgt Ion: 91 Resp: 28969

Ion	Ratio	Lower	Upper
91	100		
92	50.3	33.9	73.9
134	24.7	3.9	43.9

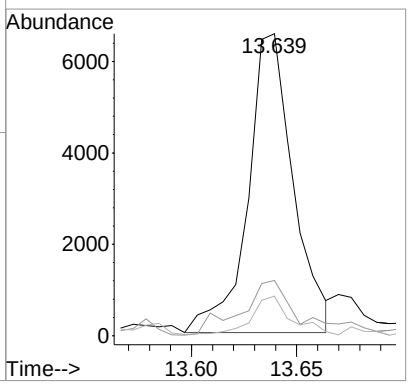




#116
Naphthalen
Concen: 0.81 ug/L
RT: 13.639 min Scan# 2059
Delta R.T. 0.000 min
Lab File: E0991.D
Acq: 10 May 2019 5:19 pm

Tgt Ion:128 Resp: 9815

Ion	Ratio	Lower	Upper
128	100		
127	18.3	0.0	33.4
102	13.1	0.0	28.9



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\050419\
Data File : F6466.D
Acq On : 4 May 2019 7:48 pm
Operator : F.NAEGLER
Sample : R1903959-009|0.68 Inst : MSVOA14
Misc : DAY 19396 T4
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 06 16:07:42 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
Quant Title : MS#14 - 8260 SOILS 10ml PURGE
QLast Update : Mon Apr 22 10:00:17 2019
Response via : Initial Calibration

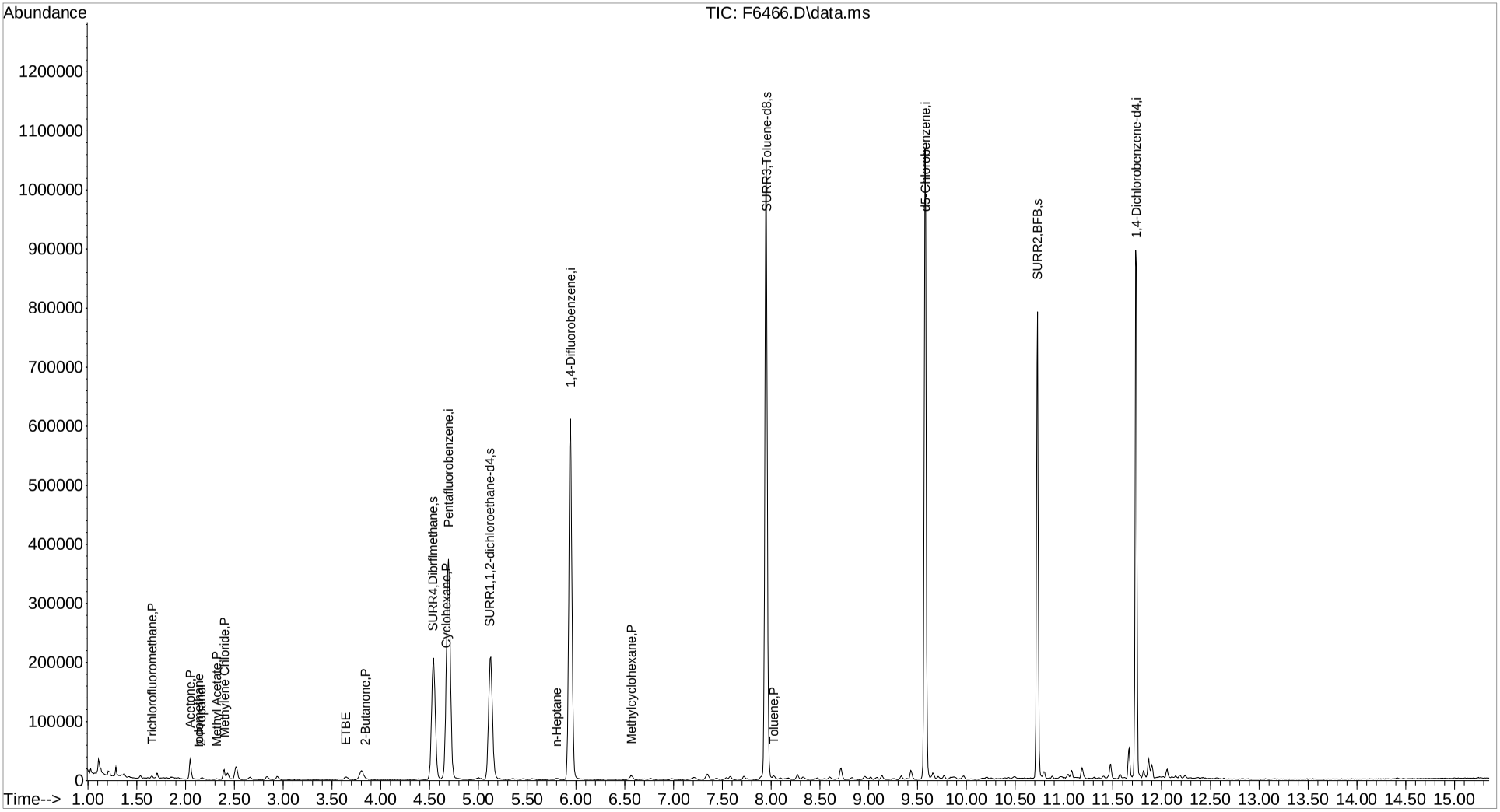
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	4.693	168	366776	50.00	ug/L		0.00
42) 1,4-Difluorobenzene	5.943	114	584615	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.576	117	470843	50.00	ug/L		0.00
87) 1,4-Dichlorobenzene-d4	11.741	152	174674	50.00	ug/L		0.00
System Monitoring Compounds							
44) SURR4,Dibrflmethane	4.535	113	166469	47.94	ug/L		0.00
Spiked Amount 50.000	Range 63 - 138		Recovery = 95.88%				
47) SURR1,1,2-dichloroetha...	5.120	65	203988	48.79	ug/L		0.00
Spiked Amount 50.000	Range 67 - 128		Recovery = 97.58%				
64) SURR3,Toluene-d8	7.949	98	667694	47.08	ug/L		0.00
Spiked Amount 50.000	Range 66 - 138		Recovery = 94.16%				
69) SURR2,BFB	10.729	95	200950	35.42	ug/L		0.00
Spiked Amount 50.000	Range 31 - 154		Recovery = 70.84%				
Target Compounds							Qvalue
5) Bromomethane	1.426	94	675	Below Cal		#	62
8) Trichlorofluoromethane	1.657	101	2034	0.40	ug/L		91
15) Acetone	2.047	43	28368	19.88	ug/L		92
16) 2-Propanol	2.163	45	2150	7.42	ug/L		84
17) Iodomethane	2.133	142	288	1.08	ug/L		98
21) Methyl Acetate	2.316	43	984	0.35	ug/L		89
22) Methylene Chloride	2.395	84	4656	0.81	ug/L		92
31) ETBE	3.645	59	3445	0.33	ug/L		93
34) 2-Butanone	3.840	43	2165	1.12	ug/L		90
43) Cyclohexane	4.669	41	1199	0.34	ug/L	#	56
51) n-Heptane	5.803	43	1293	0.26	ug/L		87
54) Methylcyclohexane	6.571	55	2888	0.58	ug/L	#	64
65) Toluene	8.022	91	3413	0.21	ug/L		88

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

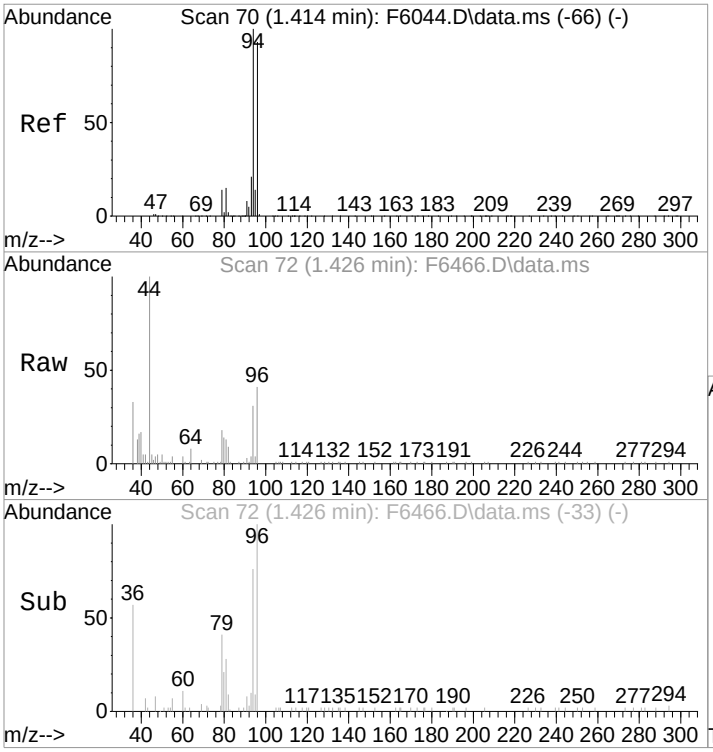
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\050419\
Data File : F6466.D
Acq On : 4 May 2019 7:48 pm
Operator : F.NAEGLER
Sample : R1903959-009|0.68 Inst : MSVOA14
Misc : DAY 19396 T4
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 06 16:07:42 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
Quant Title : MS#14 - 8260 SOILS 10ml PURGE
QLast Update : Mon Apr 22 10:00:17 2019
Response via : Initial Calibration



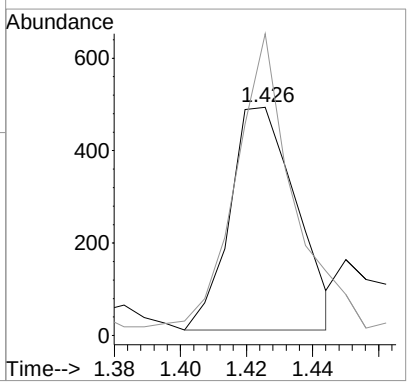
1st 05/06/19
2nd 05/08/19

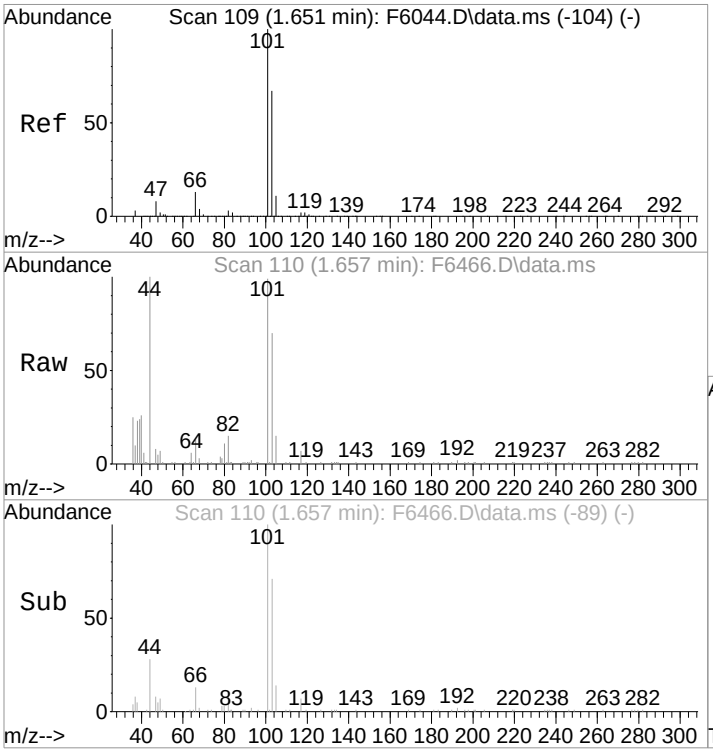


#5
Bromomethane
Concen: Below Cal
RT: 1.426 min Scan# 72
Delta R.T. 0.013 min
Lab File: F6466.D
Acq: 4 May 2019 7:48 pm

Tgt Ion: 94 Resp: 675

Ion	Ratio	Lower	Upper
94	100		
96	132.2	75.4	115.4#

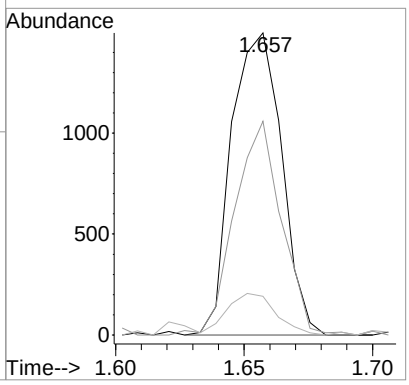


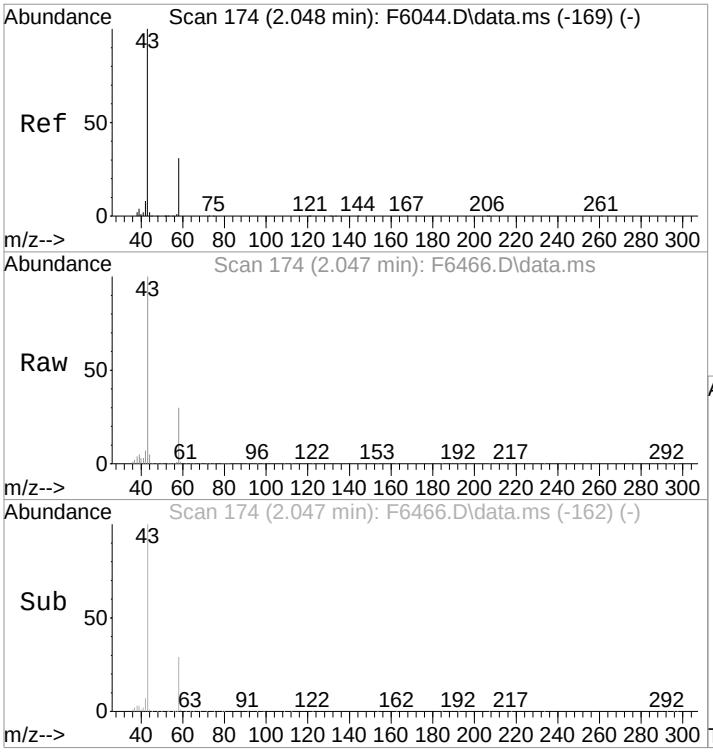


#8
Trichlorofluoromethane
Concen: 0.40 ug/L
RT: 1.657 min Scan# 110
Delta R.T. 0.006 min
Lab File: F6466.D
Acq: 4 May 2019 7:48 pm

Tgt Ion:101 Resp: 2034

Ion	Ratio	Lower	Upper
101	100		
103	70.7	43.4	83.4
66	12.8	0.0	34.8

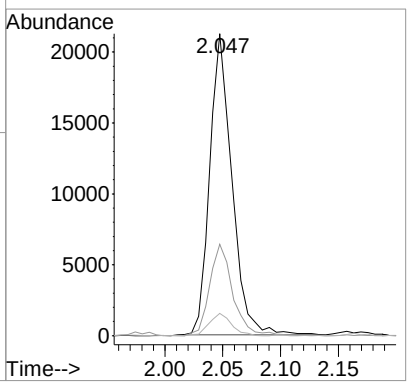


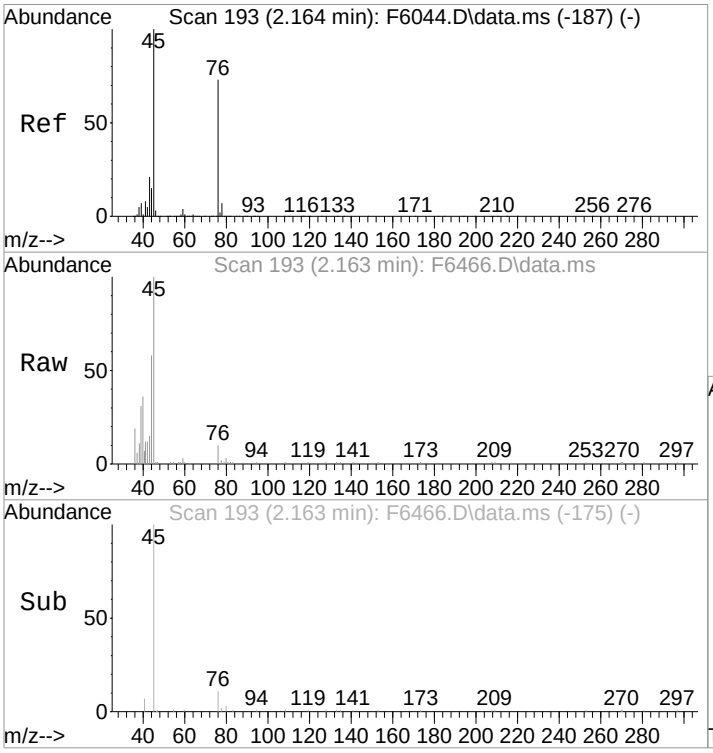


#15
Acetone
Concen: 19.88 ug/L
RT: 2.047 min Scan# 174
Delta R.T. 0.000 min
Lab File: F6466.D
Acq: 4 May 2019 7:48 pm

Tgt Ion: 43 Resp: 28368

Ion	Ratio	Lower	Upper
43	100		
58	30.3	5.1	45.1
42	7.4	0.0	27.4

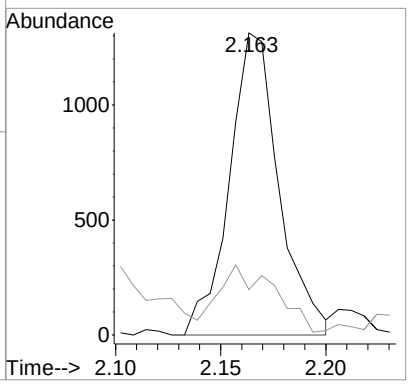


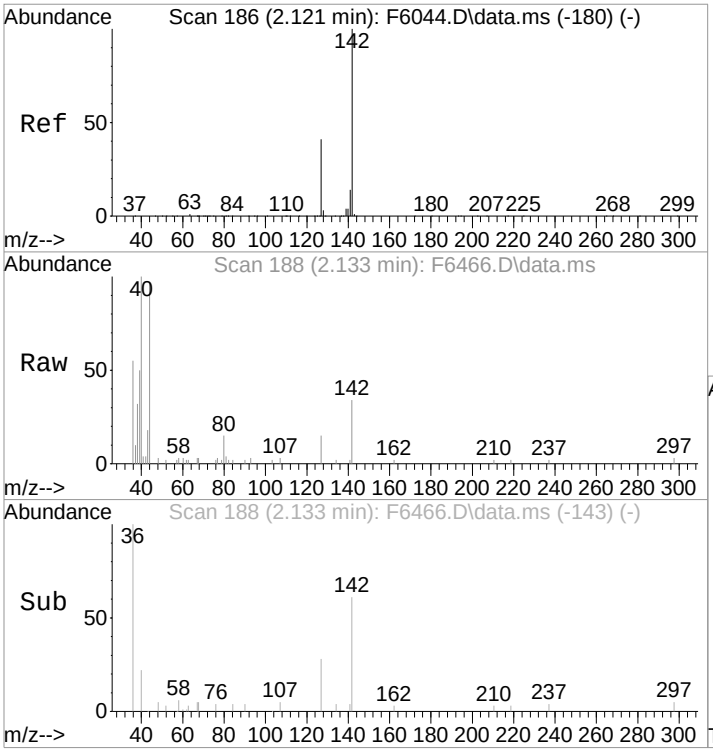


#16
2-Propanol
Concen: 7.42 ug/L
RT: 2.163 min Scan# 193
Delta R.T. -0.000 min
Lab File: F6466.D
Acq: 4 May 2019 7:48 pm

Tgt Ion: 45 Resp: 2150

Ion	Ratio	Lower	Upper
45	100		
43	15.1	2.7	42.7

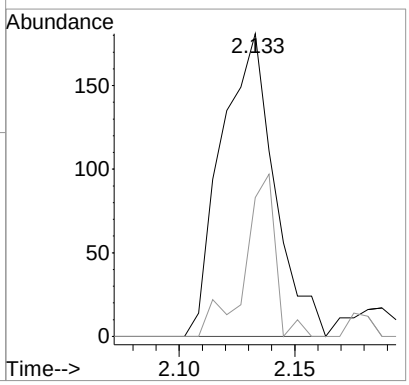


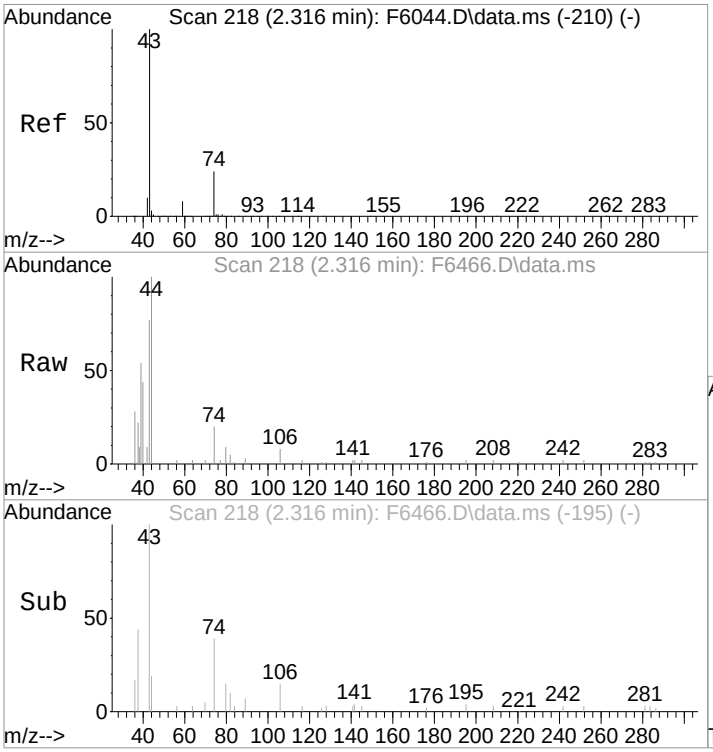


#17
Iodomethane
Concen: 1.08 ug/L
RT: 2.133 min Scan# 188
Delta R.T. 0.013 min
Lab File: F6466.D
Acq: 4 May 2019 7:48 pm

Tgt Ion:142 Resp: 288

Ion	Ratio	Lower	Upper
142	100		
127	45.9	24.5	64.5

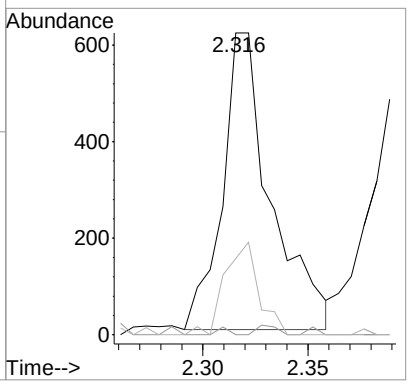


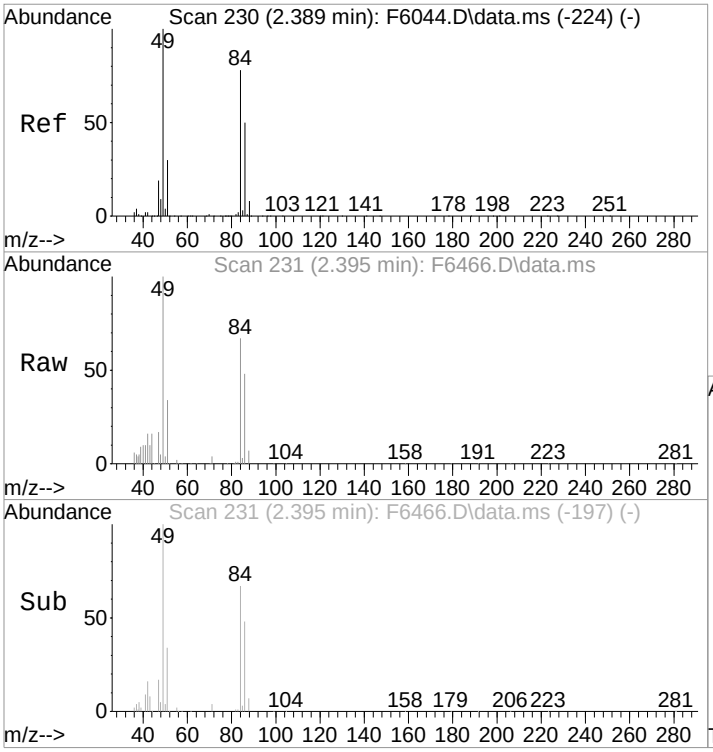


#21
Methyl Acetate
Concen: 0.35 ug/L
RT: 2.316 min Scan# 218
Delta R.T. -0.000 min
Lab File: F6466.D
Acq: 4 May 2019 7:48 pm

Tgt Ion: 43 Resp: 984

Ion	Ratio	Lower	Upper
43	100		
59	0.0	0.0	26.6
74	25.3	1.2	41.2

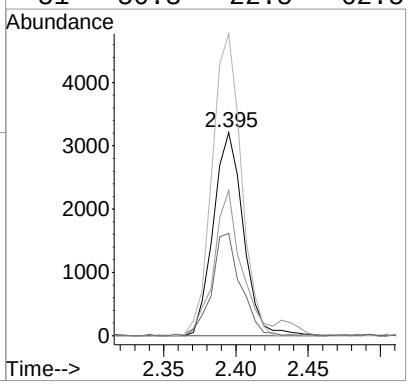


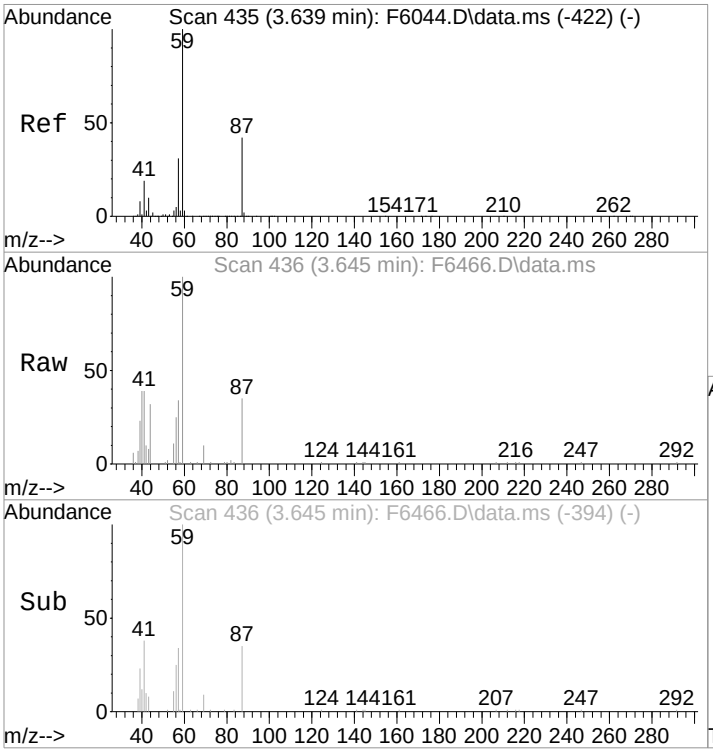


#22
Methylene Chloride
Concen: 0.81 ug/L
RT: 2.395 min Scan# 231
Delta R.T. 0.006 min
Lab File: F6466.D
Acq: 4 May 2019 7:48 pm

Tgt Ion: 84 Resp: 4656

Ion	Ratio	Lower	Upper
84	100		
86	71.4	45.6	85.6
49	148.6	120.4	160.4
51	50.3	22.5	62.5

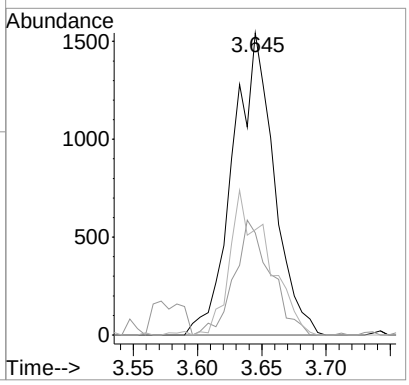


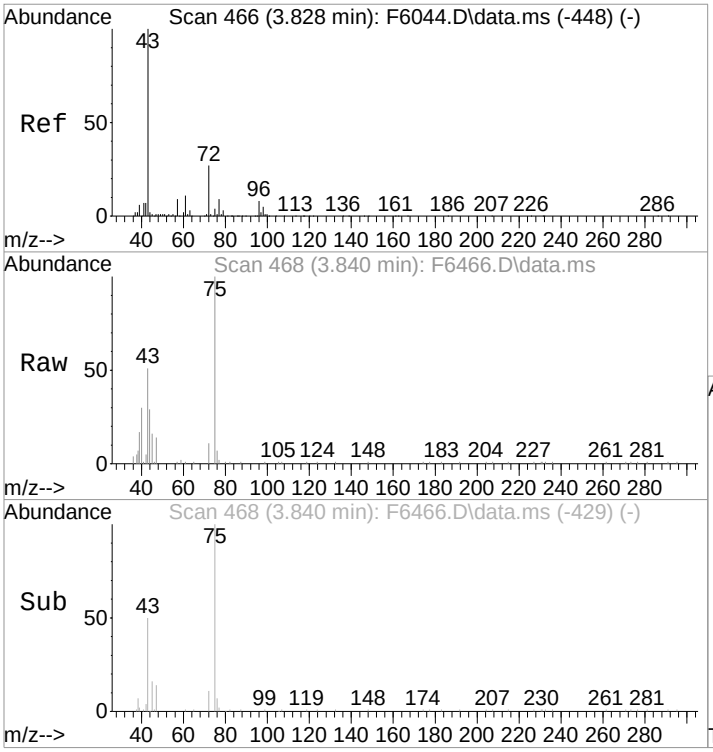


#31
ETBE
Concen: 0.33 ug/L
RT: 3.645 min Scan# 436
Delta R.T. 0.006 min
Lab File: F6466.D
Acq: 4 May 2019 7:48 pm

Tgt Ion: 59 Resp: 3445

Ion	Ratio	Lower	Upper
59	100		
57	33.8	13.9	53.9
87	34.9	22.2	62.2

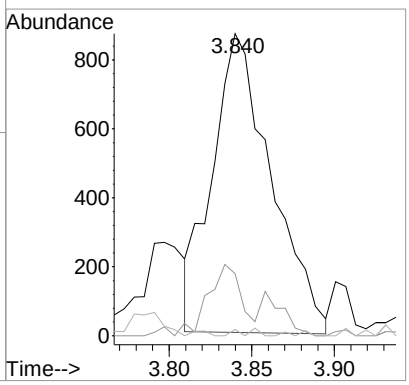


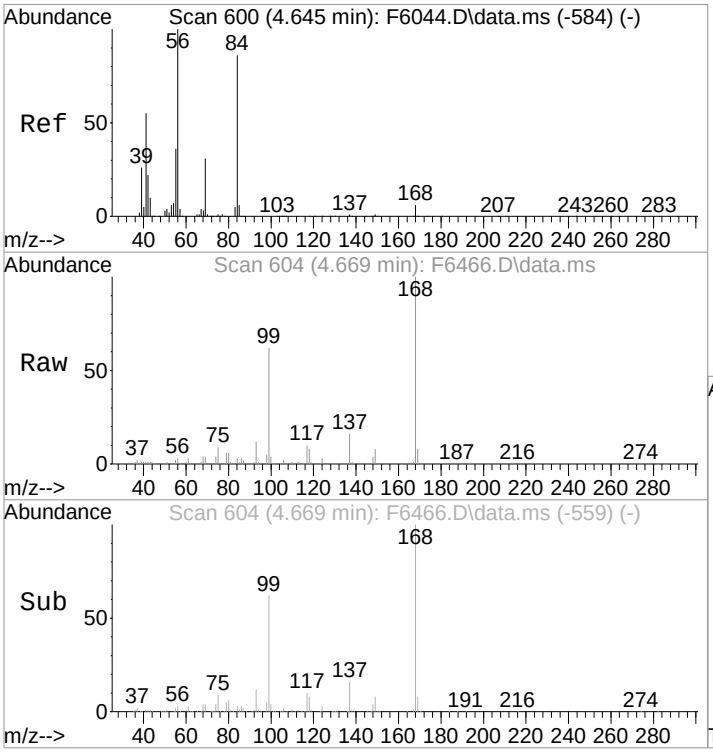


#34
2-Butanone
Concen: 1.12 ug/L
RT: 3.840 min Scan# 468
Delta R.T. 0.013 min
Lab File: F6466.D
Acq: 4 May 2019 7:48 pm

Tgt Ion: 43 Resp: 2165

Ion	Ratio	Lower	Upper
43	100		
72	20.5	3.8	43.8
57	2.2	0.0	28.5

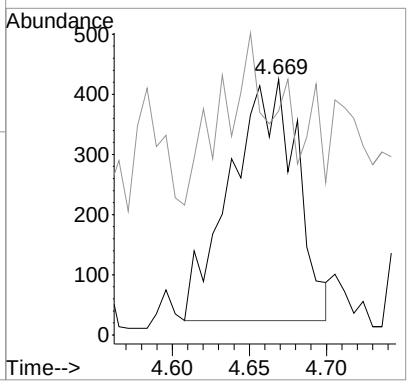


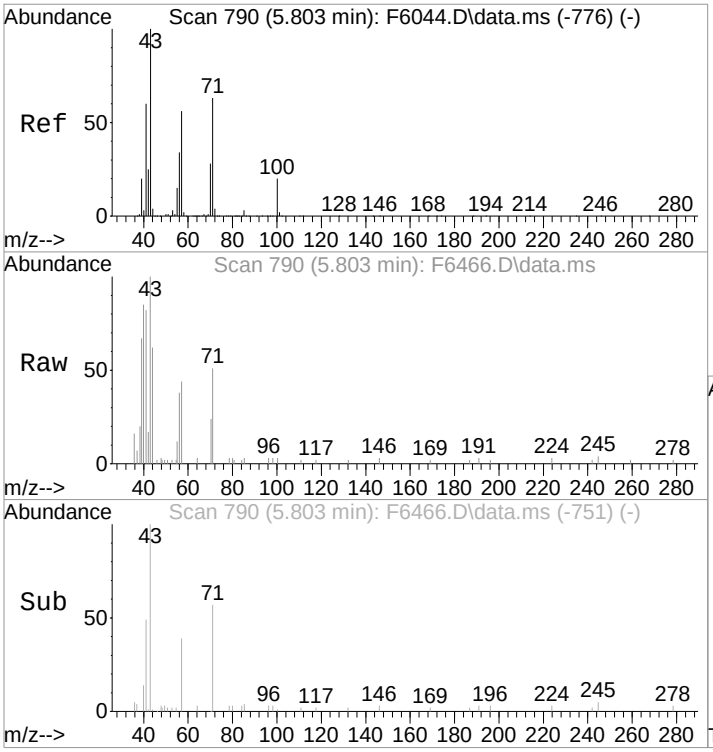


#43
Cyclohexane
Concen: 0.34 ug/L
RT: 4.669 min Scan# 604
Delta R.T. 0.024 min
Lab File: F6466.D
Acq: 4 May 2019 7:48 pm

Tgt Ion: 41 Resp: 1199

Ion	Ratio	Lower	Upper
41	100		
39	87.5	35.6	75.6#

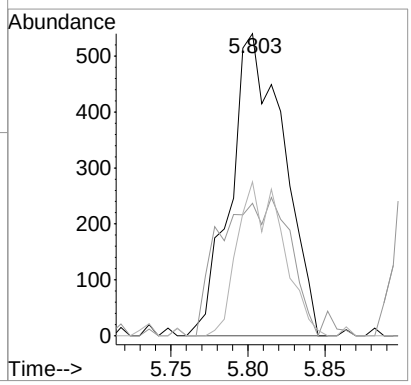


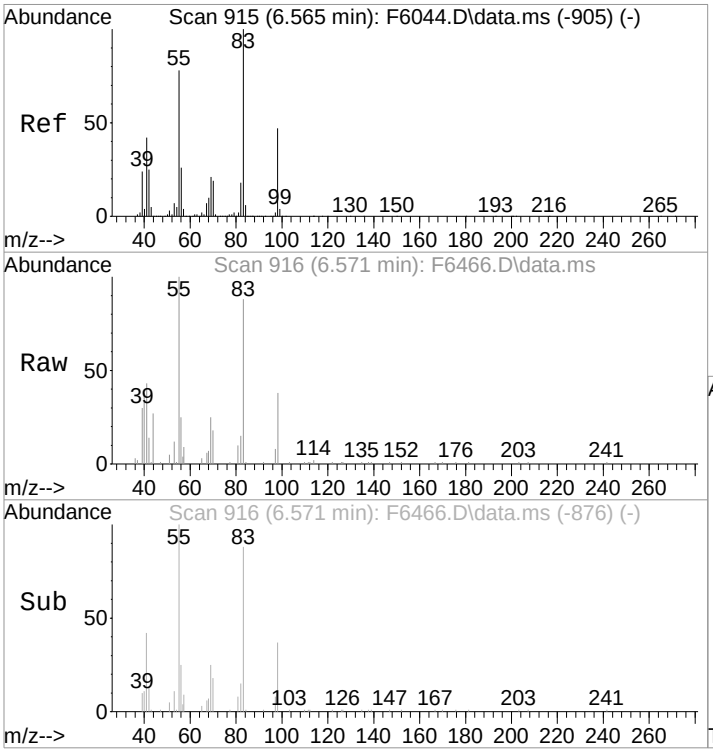


#51
n-Heptane
Concen: 0.26 ug/L
RT: 5.803 min Scan# 790
Delta R.T. -0.000 min
Lab File: F6466.D
Acq: 4 May 2019 7:48 pm

Tgt Ion: 43 Resp: 1293

Ion	Ratio	Lower	Upper
43	100		
57	43.9	32.9	72.9
71	50.9	41.6	81.6

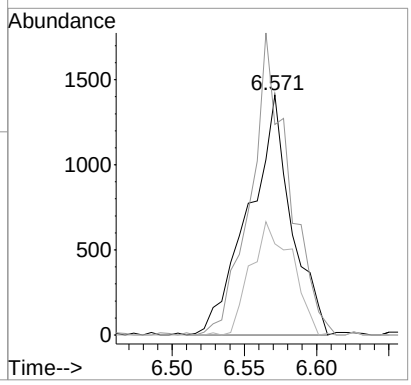


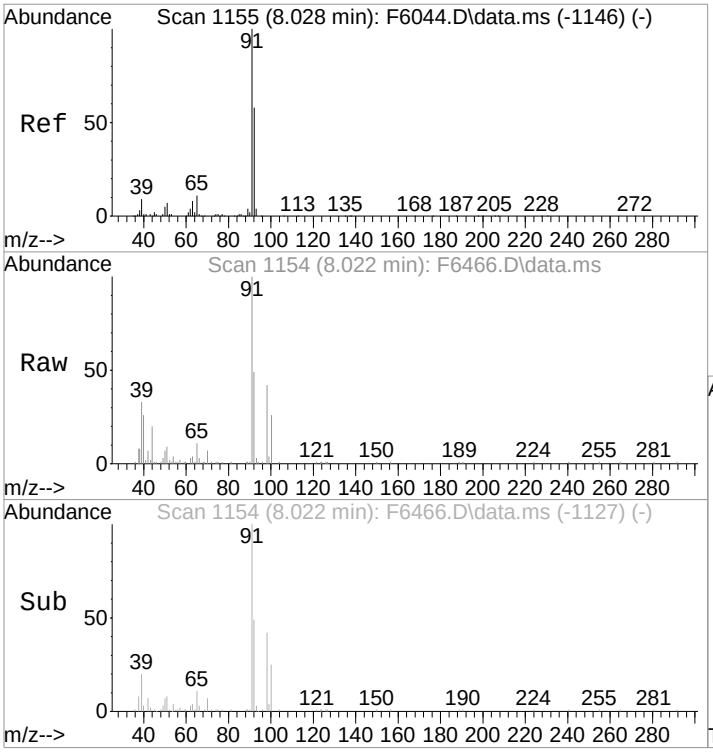


#54
Methylcyclohexane
Concen: 0.58 ug/L
RT: 6.571 min Scan# 916
Delta R.T. 0.006 min
Lab File: F6466.D
Acq: 4 May 2019 7:48 pm

Tgt Ion: 55 Resp: 2888

Ion	Ratio	Lower	Upper
55	100		
83	87.7	110.4	150.4#
98	38.0	44.3	84.3#

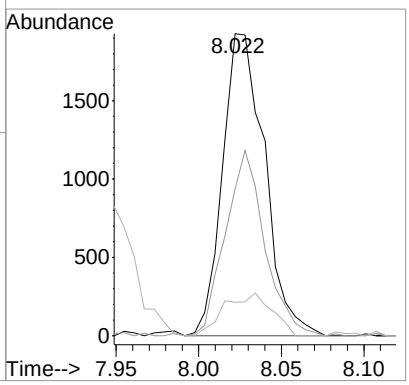




#65
Toluene
Concen: 0.21 ug/L
RT: 8.022 min Scan# 1154
Delta R.T. -0.006 min
Lab File: F6466.D
Acq: 4 May 2019 7:48 pm

Tgt Ion: 91 Resp: 3413

Ion	Ratio	Lower	Upper
91	100		
92	48.6	39.1	79.1
65	11.0	0.0	31.4



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\050619\
Data File : P26417.D
Acq On : 6 May 2019 5:42 pm
Operator : K.Ruest
Sample : R1903959-011|1.0 Inst : MSVOA-12
Misc : DAY 8260 T4
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 07 14:15:27 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu May 02 11:39:03 2019
Response via : Initial Calibration

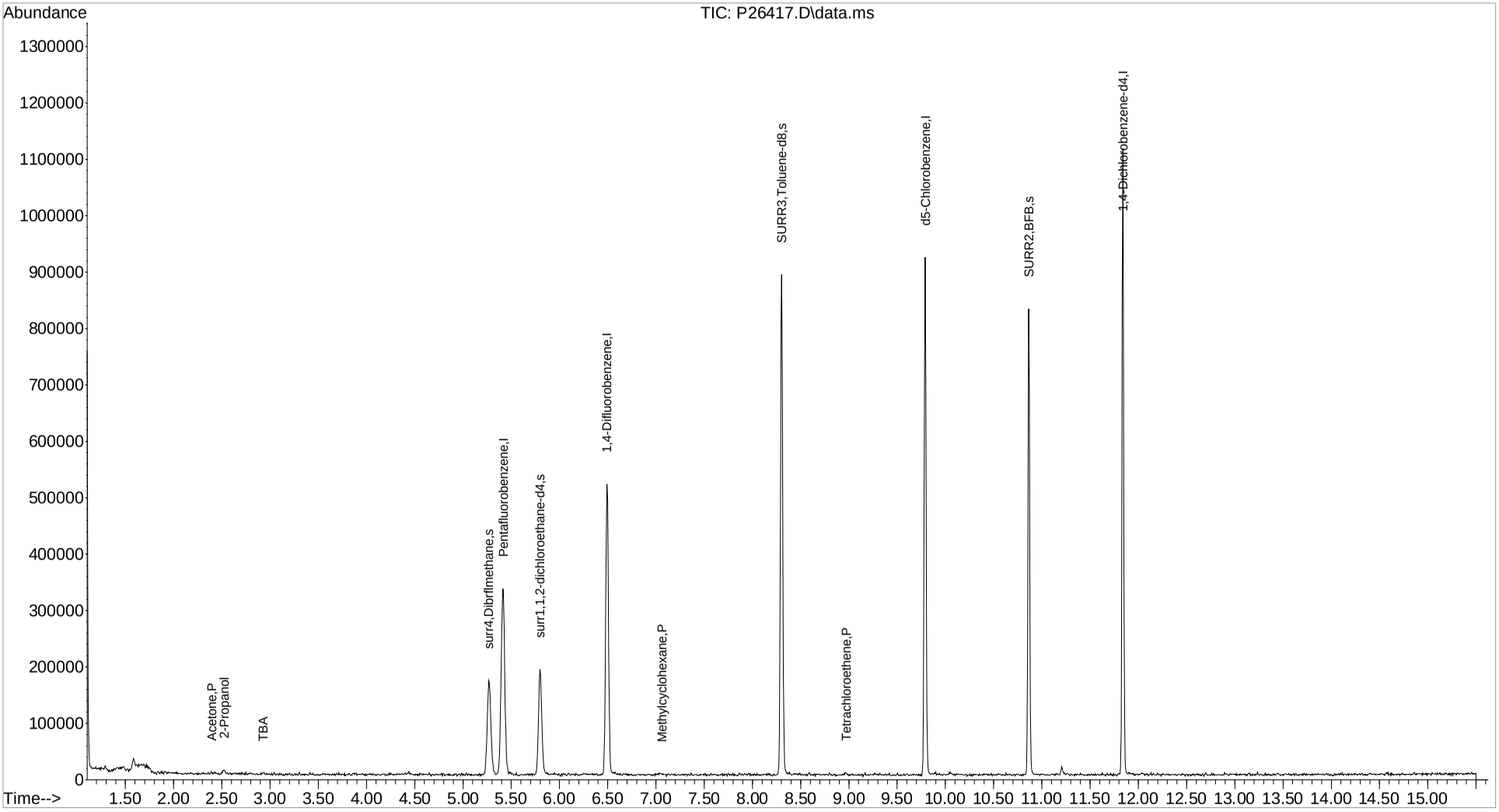
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.414	168	319692	50.00	ppb		0.00
43) 1,4-Difluorobenzene	6.493	114	477780	50.00	ppb		0.00
71) d5-Chlorobenzene	9.791	117	425801	50.00	ppb		0.00
86) 1,4-Dichlorobenzene-d4	11.839	152	226756	50.00	ppb		0.00
System Monitoring Compounds							
45) surr4,Dibrflmethane	5.267	113	135035	49.16	ppb		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 98.32%				
48) surr1,1,2-dichloroetha...	5.798	65	162337	54.17	ppb		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 108.34%				
65) SURR3,Toluene-d8	8.303	98	575777	50.49	ppb		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 100.98%				
70) SURR2,BFB	10.864	95	211778	47.52	ppb		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 95.04%				
Target Compounds							Qvalue
15) Acetone	2.396	43	5206	2.55	ppb		83
16) 2-Propanol	2.524	45	8433	24.81	ppb		94
20) Allyl Chloride	2.640	76	224	Below Cal		#	13
23) TBA	2.926	59	2492	4.10	ppb		78
55) Methylcyclohexane	7.060	55	1315	0.37	ppb	#	20
72) Tetrachloroethene	8.968	164	1008	0.33	ppb	#	58

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

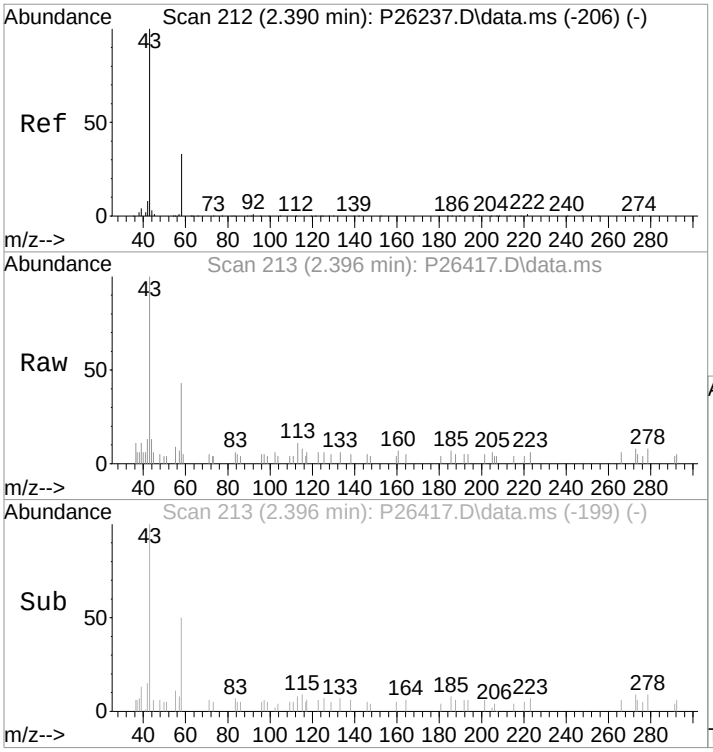
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\050619\
Data File : P26417.D
Acq On : 6 May 2019 5:42 pm
Operator : K.Ruest
Sample : R1903959-011|1.0 Inst : MSVOA-12
Misc : DAY 8260 T4
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 07 14:15:27 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu May 02 11:39:03 2019
Response via : Initial Calibration



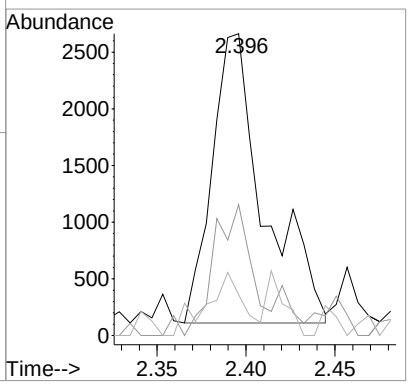
1st 05/07/19
2nd 05/08/19

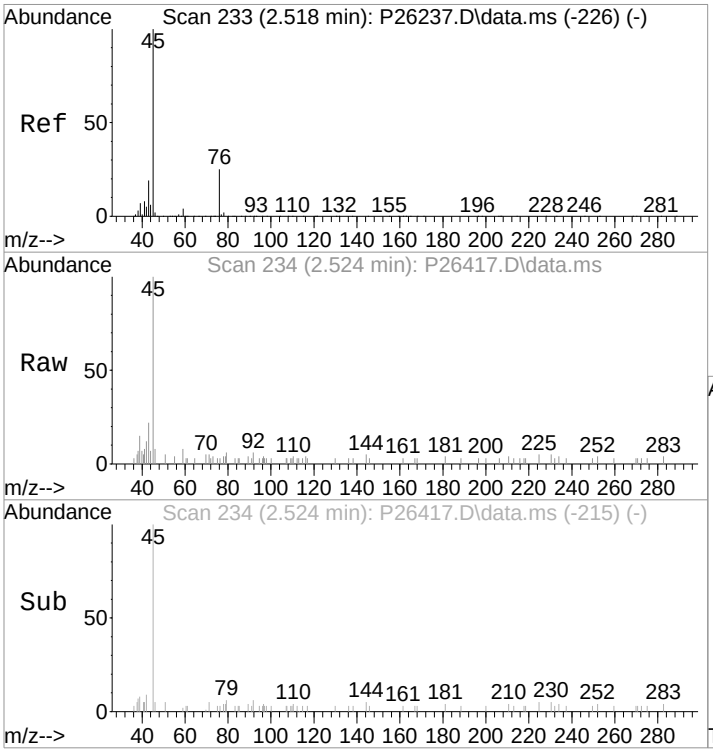


#15
Acetone
Concen: 2.55 ppb
RT: 2.396 min Scan# 213
Delta R.T. 0.013 min
Lab File: P26417.D
Acq: 6 May 2019 5:42 pm

Tgt Ion: 43 Resp: 5206

Ion	Ratio	Lower	Upper
43	100		
58	43.4	13.1	53.1
42	13.5	0.0	28.3

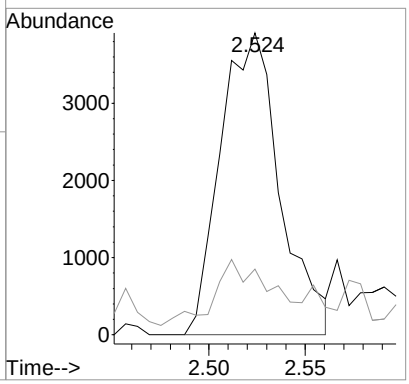


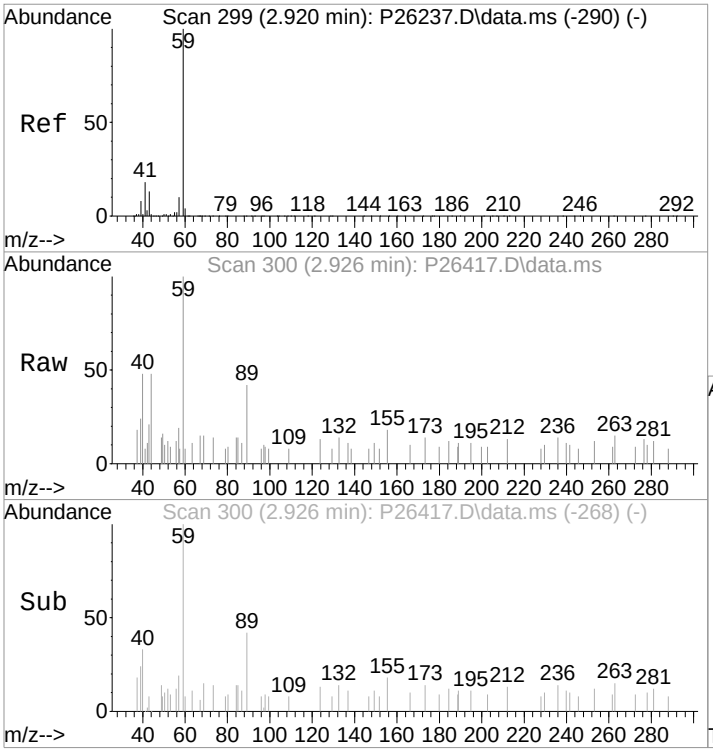


#16
2-Propanol
Concen: 24.81 ppb
RT: 2.524 min Scan# 234
Delta R.T. 0.006 min
Lab File: P26417.D
Acq: 6 May 2019 5:42 pm

Tgt Ion: 45 Resp: 8433

Ion	Ratio	Lower	Upper
45	100		
43	21.7	0.0	39.1

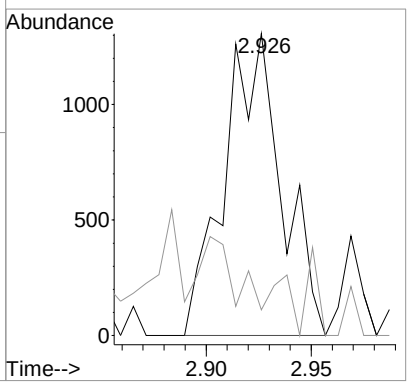


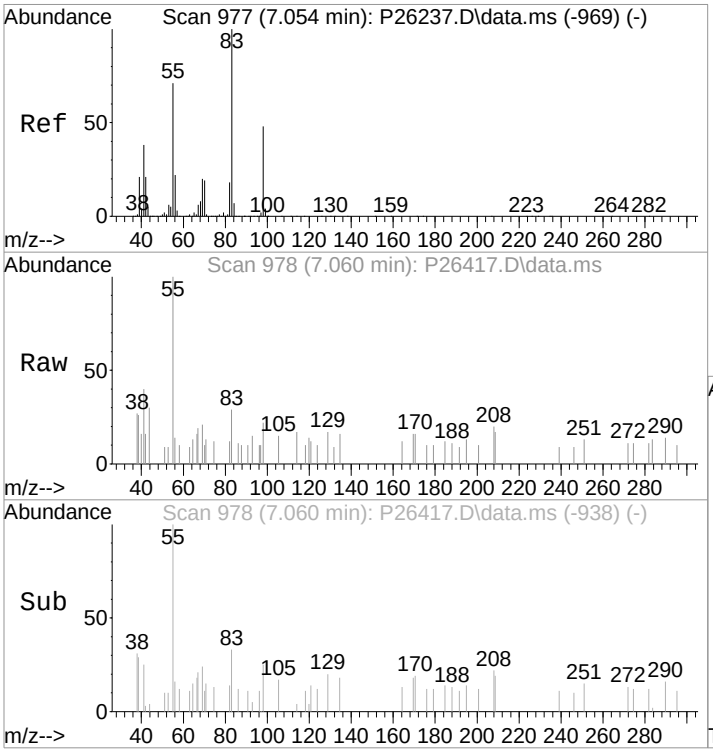


#23
TBA
Concen: 4.10 ppb
RT: 2.926 min Scan# 300
Delta R.T. 0.006 min
Lab File: P26417.D
Acq: 6 May 2019 5:42 pm

Tgt Ion: 59 Resp: 2492

Ion	Ratio	Lower	Upper
59	100		
41	8.5	0.0	38.2

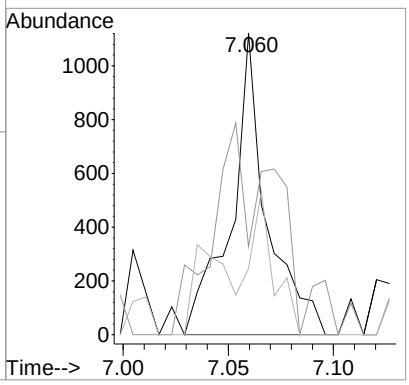


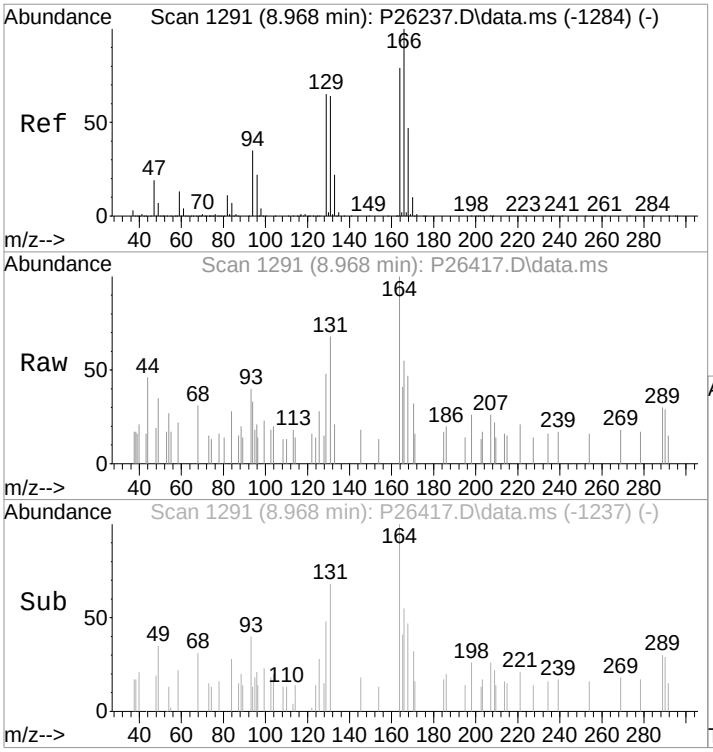


#55
Methylcyclohexane
Concen: 0.37 ppb
RT: 7.060 min Scan# 978
Delta R.T. 0.006 min
Lab File: P26417.D
Acq: 6 May 2019 5:42 pm

Tgt Ion: 55 Resp: 1315

Ion	Ratio	Lower	Upper
55	100		
83	29.3	120.3	160.3#
98	21.9	47.5	87.5#

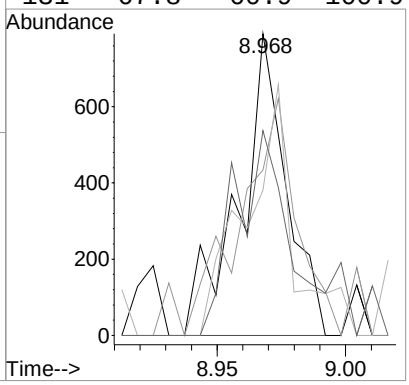




#72
Tetrachloroethene
Concen: 0.33 ppb
RT: 8.968 min Scan# 1291
Delta R.T. 0.000 min
Lab File: P26417.D
Acq: 6 May 2019 5:42 pm

Tgt Ion:164 Resp: 1008

Ion	Ratio	Lower	Upper
164	100		
166	54.8	106.8	146.8#
129	48.1	62.6	102.6#
131	67.8	60.9	100.9

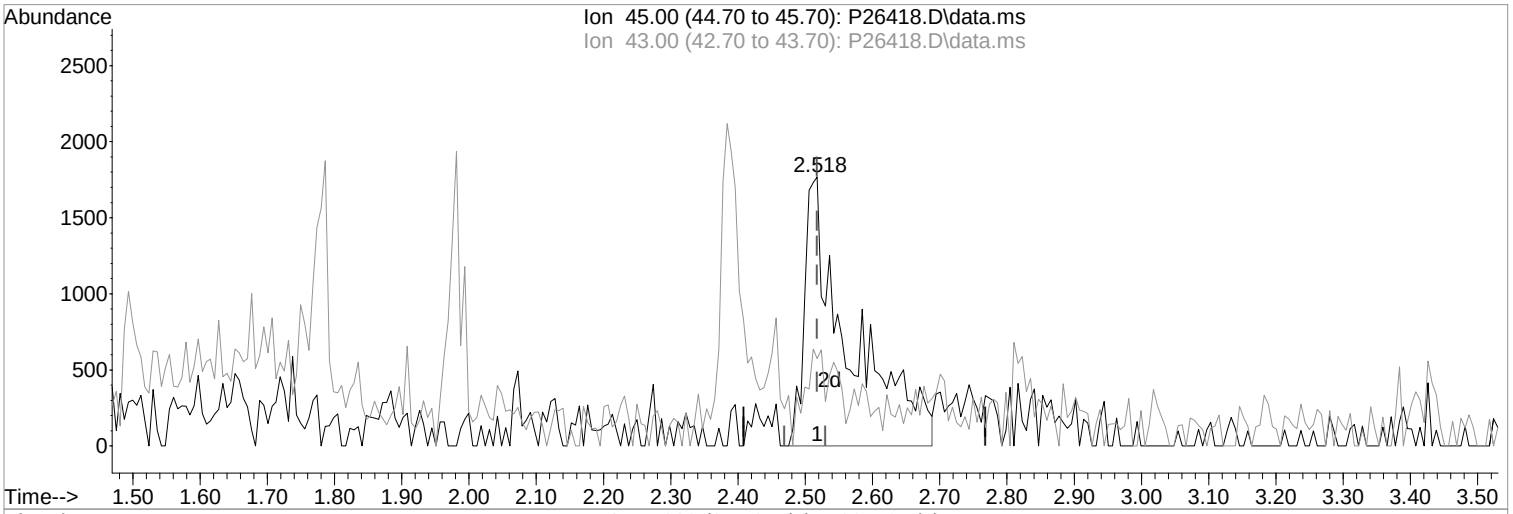


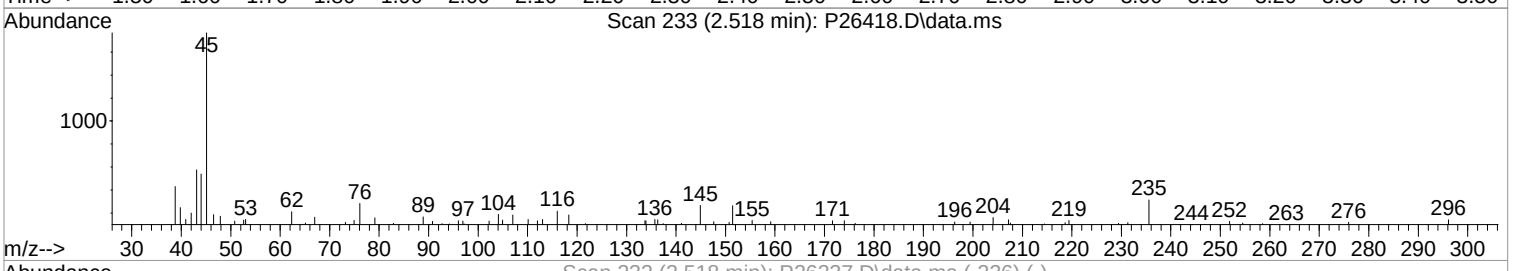
1st 05/07/19
2nd 05/08/19

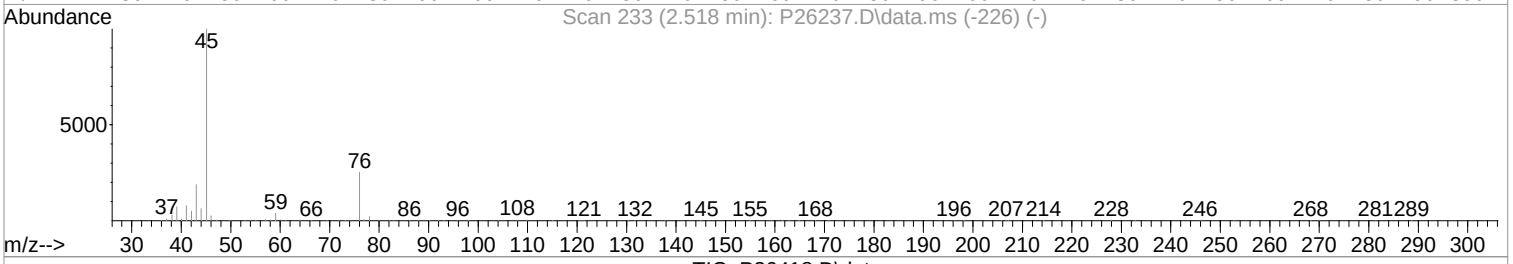
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050619\
Data File : P26418.D
Acq On : 6 May 2019 6:03 pm
Operator : K.Ruest
Sample : R1903959-012|1.0 Inst : MSVOA-12
Misc : DAY 8260 T4
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 06 18:41:24 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu May 02 11:39:03 2019
Response via : Initial Calibration







TIC: P26418.D\data.ms

(16) 2-Propanol

2.518min (+0.000) 23.14 ppb m

response 8066

Ion	Exp%	Act%
45.00	100	100
43.00	19.10	32.47
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

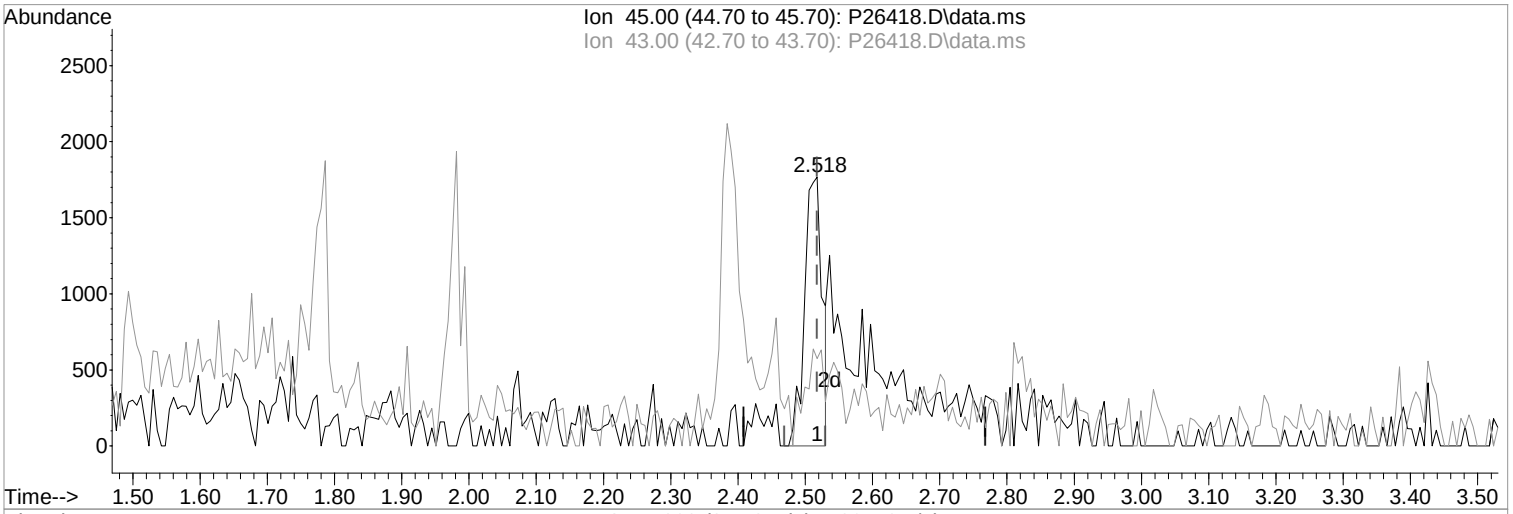
05/07/19

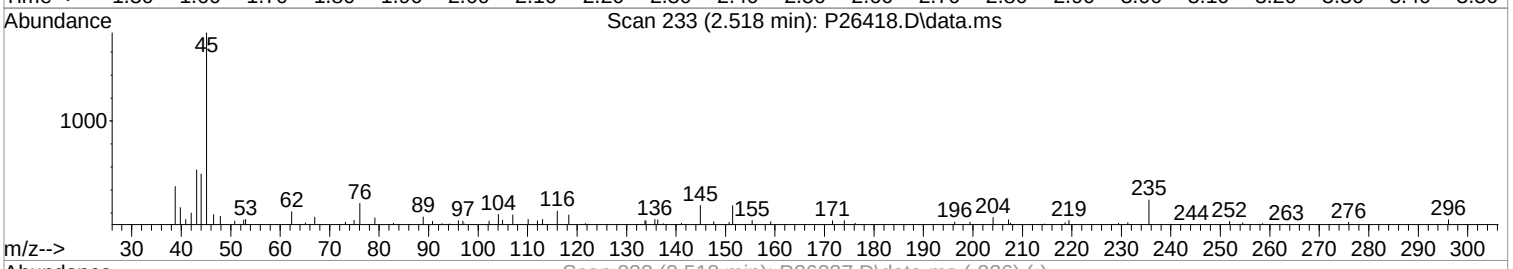
1st 05/07/19
2nd 05/08/19

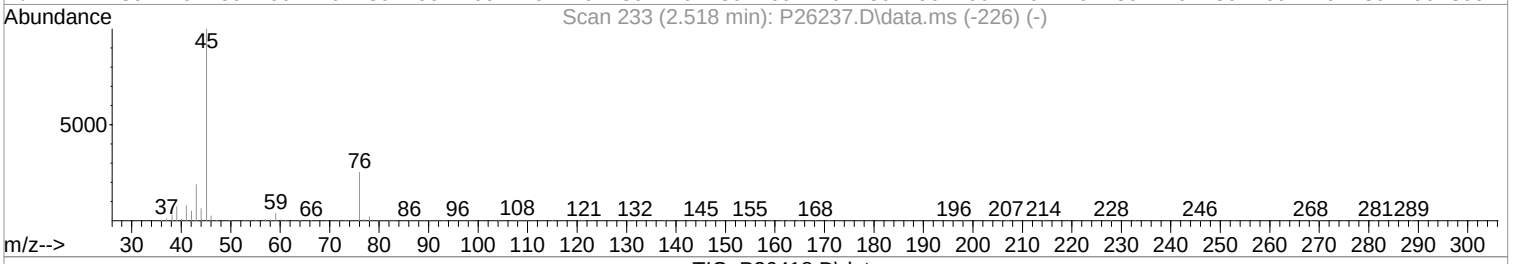
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050619\
Data File : P26418.D
Acq On : 6 May 2019 6:03 pm
Operator : K.Ruest
Sample : R1903959-012|1.0 Inst : MSVOA-12
Misc : DAY 8260 T4
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 06 18:41:24 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu May 02 11:39:03 2019
Response via : Initial Calibration







TIC: P26418.D\data.ms

(16) 2-Propanol

2.518min (+0.000) 9.31 ppb

response 3246

Ion	Exp%	Act%
45.00	100	100
43.00	19.10	32.47
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

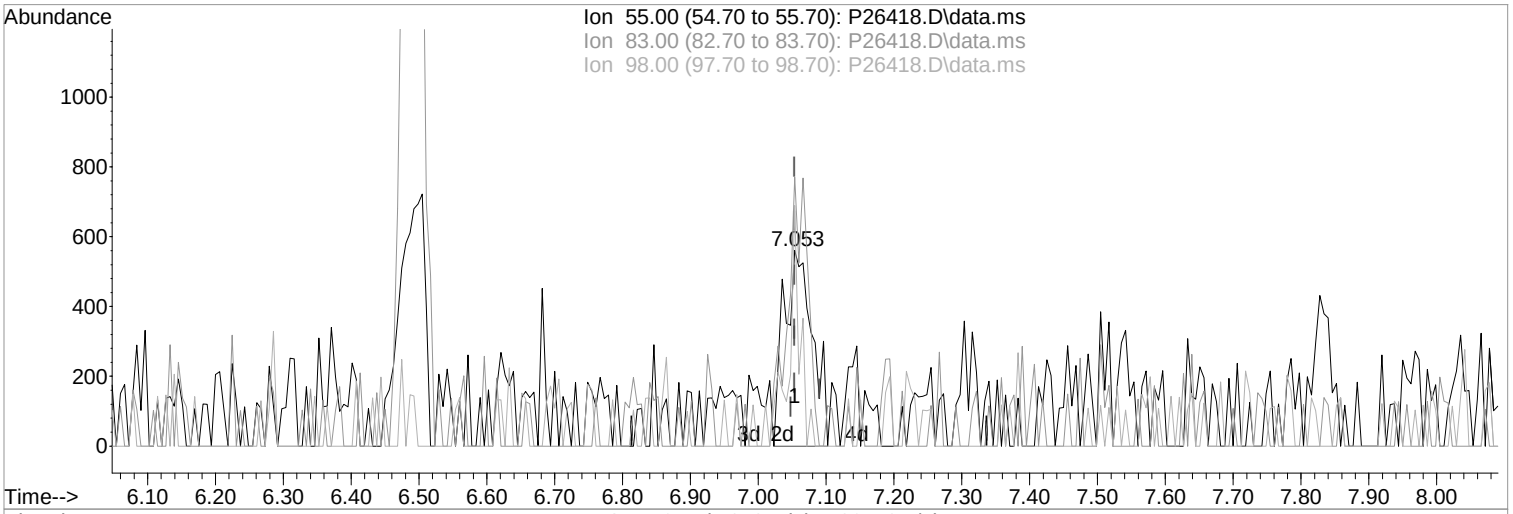
05/07/19

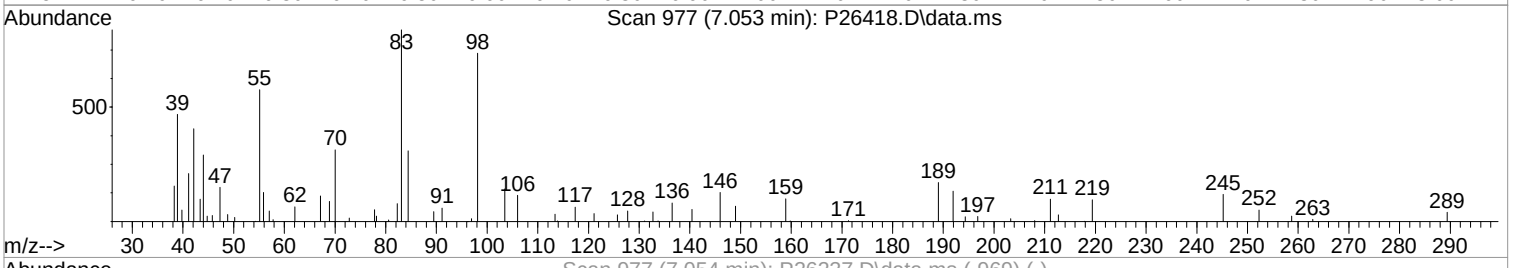
1st 05/07/19
2nd 05/08/19

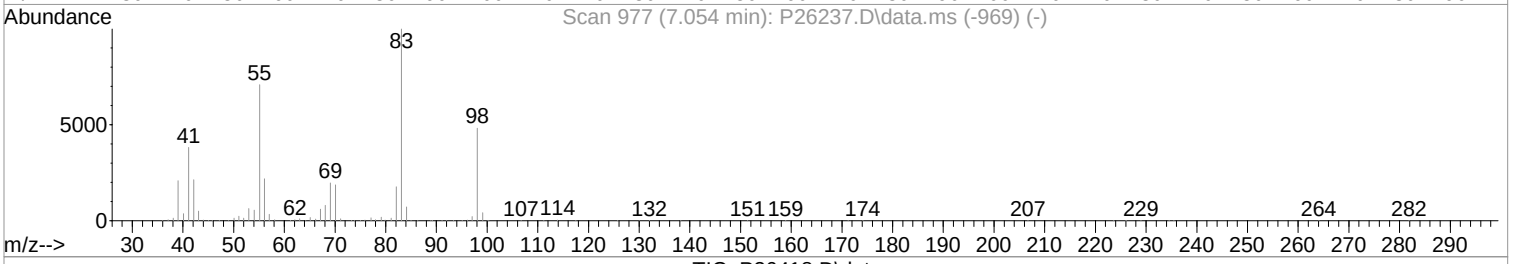
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050619\
Data File : P26418.D
Acq On : 6 May 2019 6:03 pm
Operator : K.Ruest
Sample : R1903959-012|1.0 Inst : MSVOA-12
Misc : DAY 8260 T4
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 06 18:41:24 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu May 02 11:39:03 2019
Response via : Initial Calibration







TIC: P26418.D\data.ms

(55) Methylcyclohexane (P)

7.053min (+0.000) 0.45 ppb m

response 1632

Ion	Exp%	Act%
55.00	100	100
83.00	140.30	137.43
98.00	67.50	122.82#
0.00	0.00	0.00

Manual Integration:

After

Split Peak

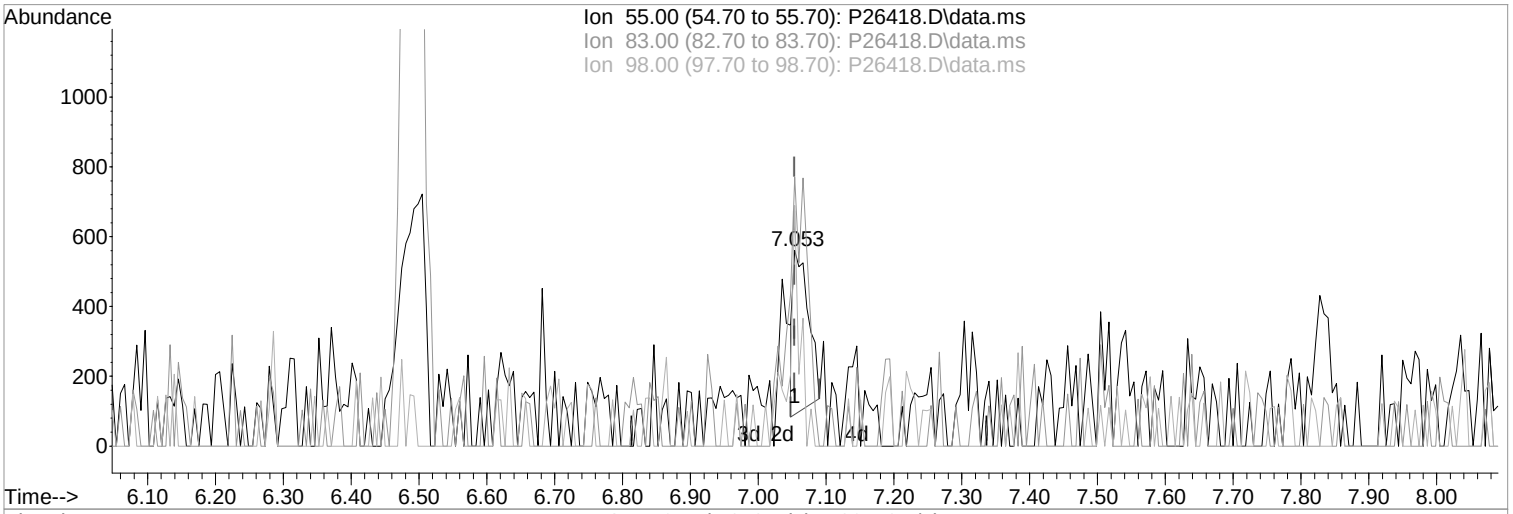
05/07/19

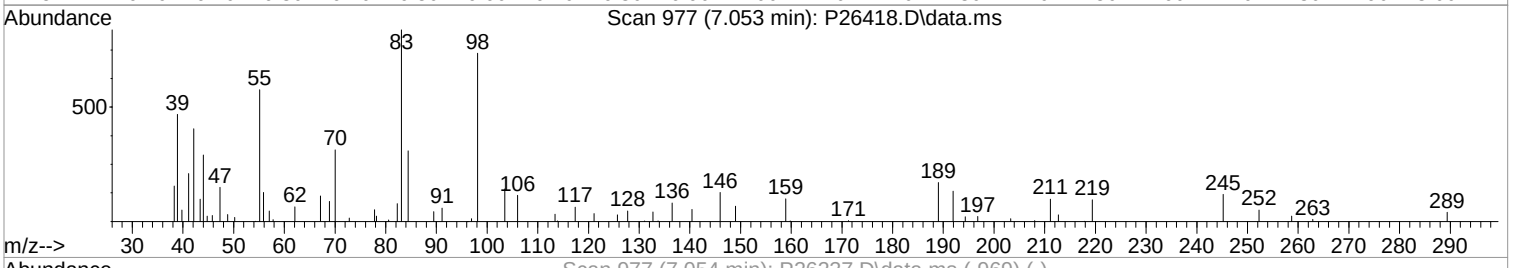
1st 05/07/19
2nd 05/08/19

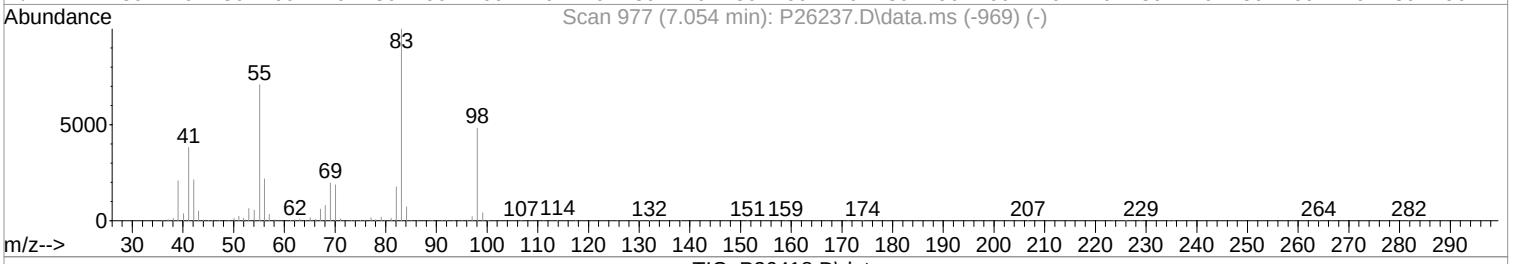
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050619\
Data File : P26418.D
Acq On : 6 May 2019 6:03 pm
Operator : K.Ruest
Sample : R1903959-012|1.0 Inst : MSVOA-12
Misc : DAY 8260 T4
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 06 18:41:24 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu May 02 11:39:03 2019
Response via : Initial Calibration







TIC: P26418.D\data.ms

(55) Methylcyclohexane (P)

7.053min (+0.000) 0.20 ppb

response 727

Ion	Exp%	Act%
55.00	100	100
83.00	140.30	137.43
98.00	67.50	122.82#
0.00	0.00	0.00

Manual Integration:

Before

05/07/19

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\050619\
Data File : P26418.D
Acq On : 6 May 2019 6:03 pm
Operator : K.Ruest
Sample : R1903959-012|1.0 Inst : MSVOA-12
Misc : DAY 8260 T4
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 07 14:18:40 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu May 02 11:39:03 2019
Response via : Initial Calibration

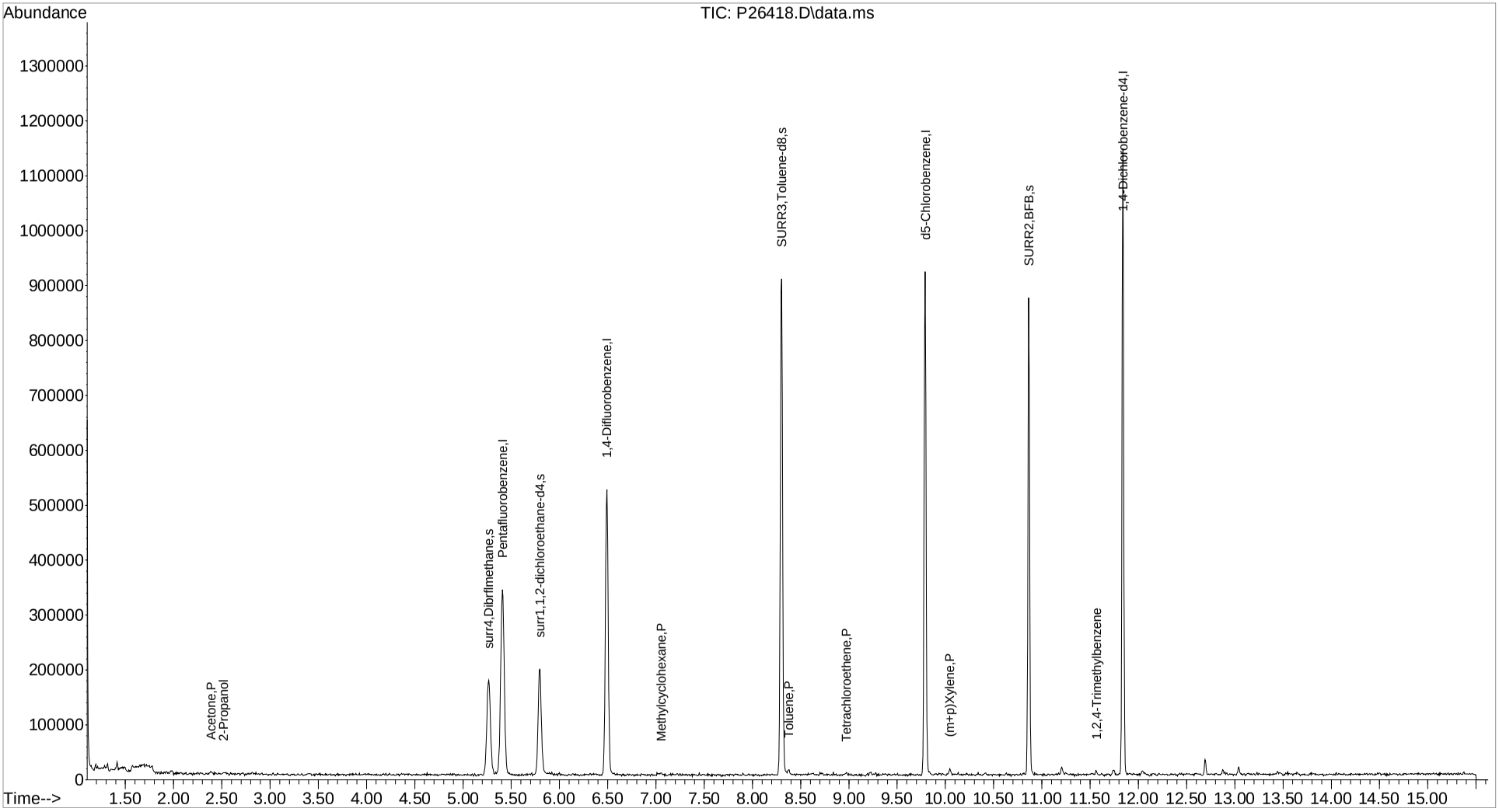
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.407	168	327824	50.00	ppb		0.00
43) 1,4-Difluorobenzene	6.493	114	484873	50.00	ppb		0.00
71) d5-Chlorobenzene	9.791	117	437071	50.00	ppb		0.00
86) 1,4-Dichlorobenzene-d4	11.839	152	239040	50.00	ppb		0.00
System Monitoring Compounds							
45) surr4,Dibrflmethane	5.267	113	141258	50.67	ppb		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 101.34%				
48) surr1,1,2-dichloroetha...	5.798	65	169076	55.59	ppb		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 111.18%				
65) SURR3,Toluene-d8	8.303	98	594209	51.34	ppb		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 102.68%				
70) SURR2,BFB	10.864	95	218758	48.37	ppb		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 96.74%				
Target Compounds							Qvalue
15) Acetone	2.384	43	4374	1.84	ppb		93
16) 2-Propanol	2.518	45	8066m	23.14	ppb		
20) Allyl Chloride	2.731	76	387	Below Cal		#	1
55) Methylcyclohexane	7.053	55	1632m	0.45	ppb		
66) Toluene	8.376	91	5139	0.36	ppb		96
72) Tetrachloroethene	8.968	164	653	0.21	ppb	#	88
83) (m+p)Xylene	10.047	106	2672	0.42	ppb		89
101) 1,2,4-Trimethylbenzene	11.565	105	3139	0.25	ppb	#	69

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

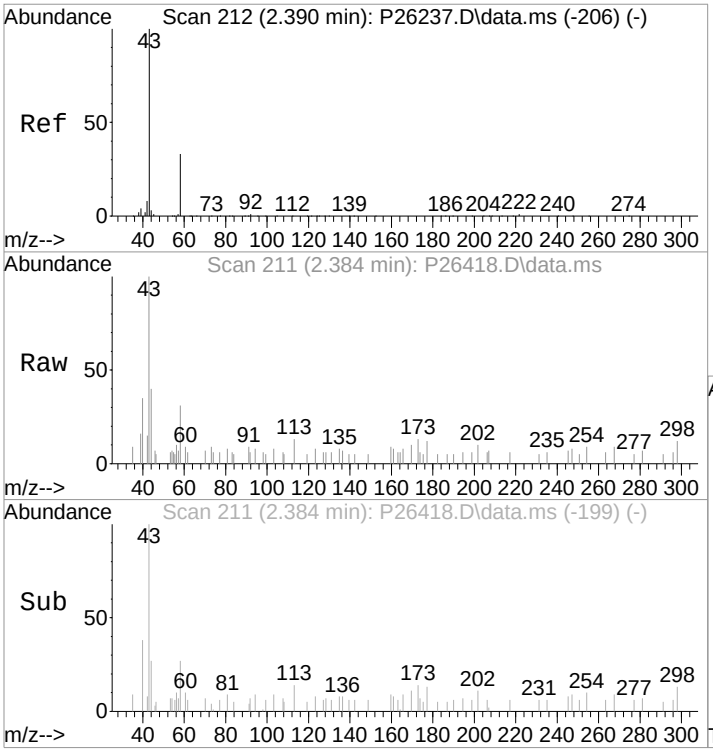
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\050619\
Data File : P26418.D
Acq On : 6 May 2019 6:03 pm
Operator : K.Ruest
Sample : R1903959-012|1.0 Inst : MSVOA-12
Misc : DAY 8260 T4
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 07 14:18:40 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu May 02 11:39:03 2019
Response via : Initial Calibration



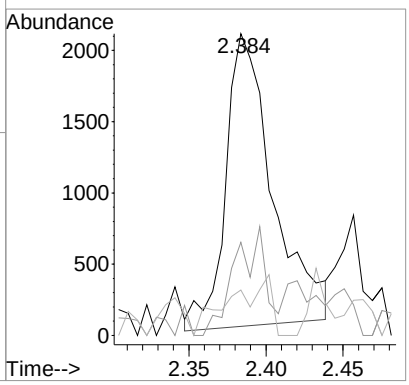
1st 05/07/19
2nd 05/08/19

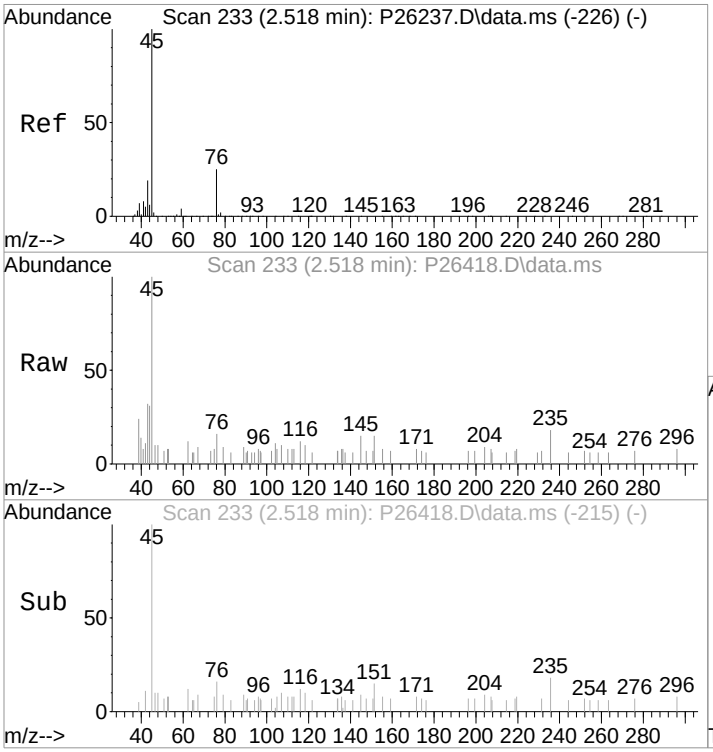


#15
Acetone
Concen: 1.84 ppb
RT: 2.384 min Scan# 211
Delta R.T. 0.001 min
Lab File: P26418.D
Acq: 6 May 2019 6:03 pm

Tgt Ion: 43 Resp: 4374

Ion	Ratio	Lower	Upper
43	100		
58	30.8	13.1	53.1
42	15.1	0.0	28.3

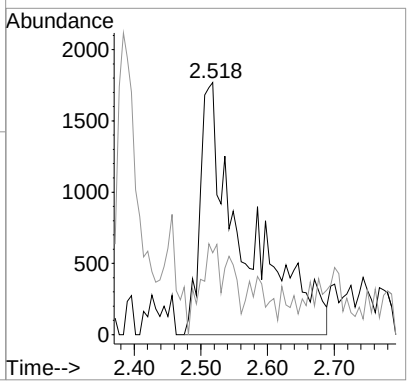


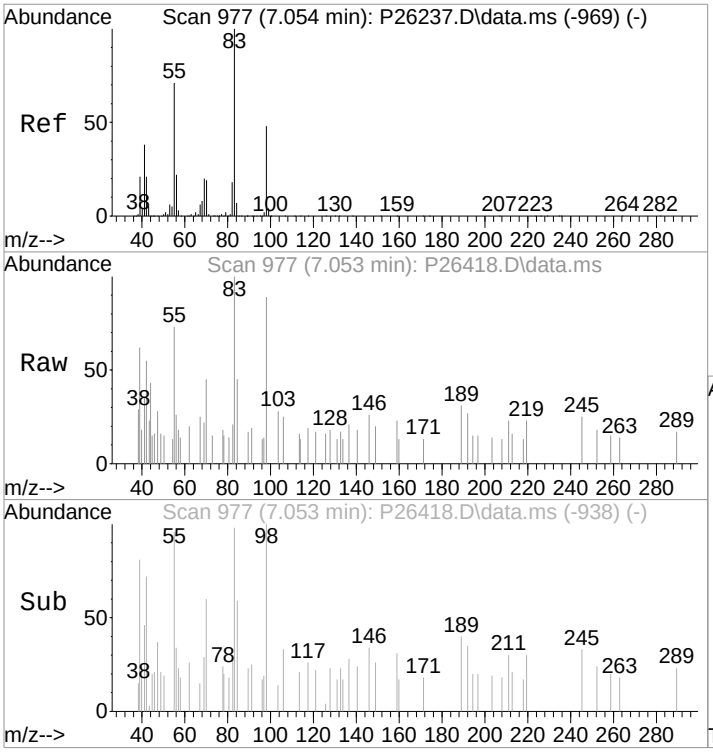


#16
2-Propanol
Concen: 23.14 ppb m
RT: 2.518 min Scan# 233
Delta R.T. 0.000 min
Lab File: P26418.D
Acq: 6 May 2019 6:03 pm

Tgt Ion: 45 Resp: 8066

Ion	Ratio	Lower	Upper
45	100		
43	32.5	0.0	39.1

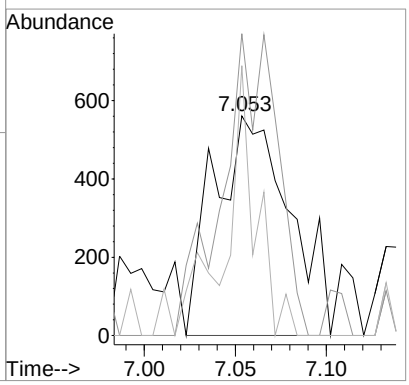


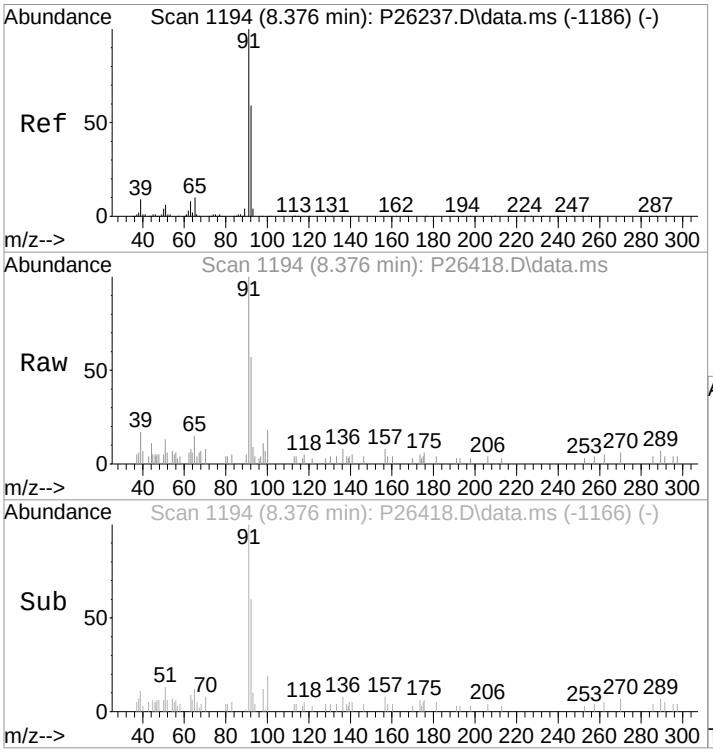


#55
Methylcyclohexane
Concen: 0.45 ppb m
RT: 7.053 min Scan# 977
Delta R.T. 0.000 min
Lab File: P26418.D
Acq: 6 May 2019 6:03 pm

Tgt Ion: 55 Resp: 1632

Ion	Ratio	Lower	Upper
55	100		
83	137.4	120.3	160.3
98	122.8	47.5	87.5#

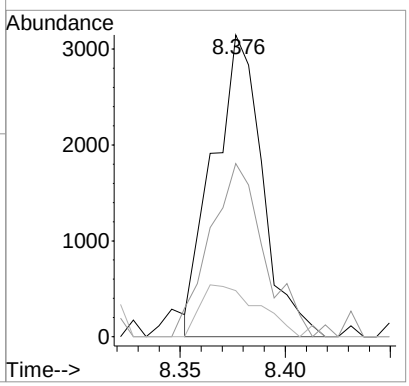


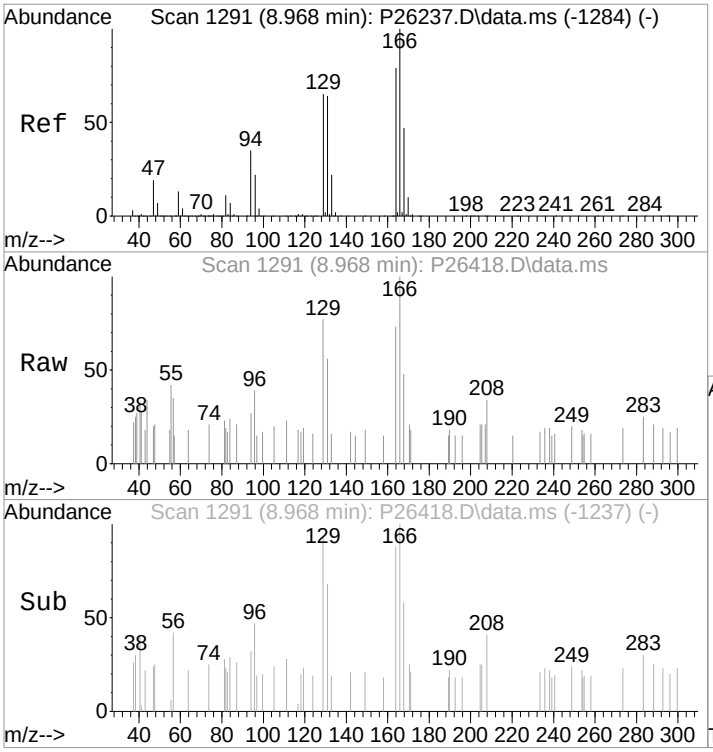


#66
Toluene
Concen: 0.36 ppb
RT: 8.376 min Scan# 1194
Delta R.T. 0.000 min
Lab File: P26418.D
Acq: 6 May 2019 6:03 pm

Tgt Ion: 91 Resp: 5139

Ion	Ratio	Lower	Upper
91	100		
92	57.4	39.4	79.4
65	15.3	0.0	30.4

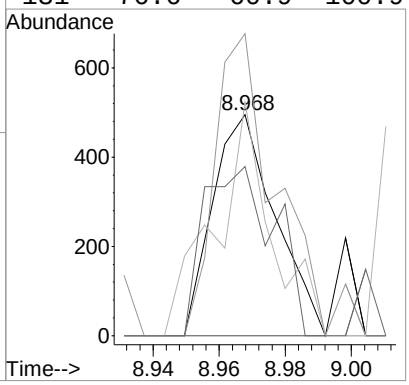


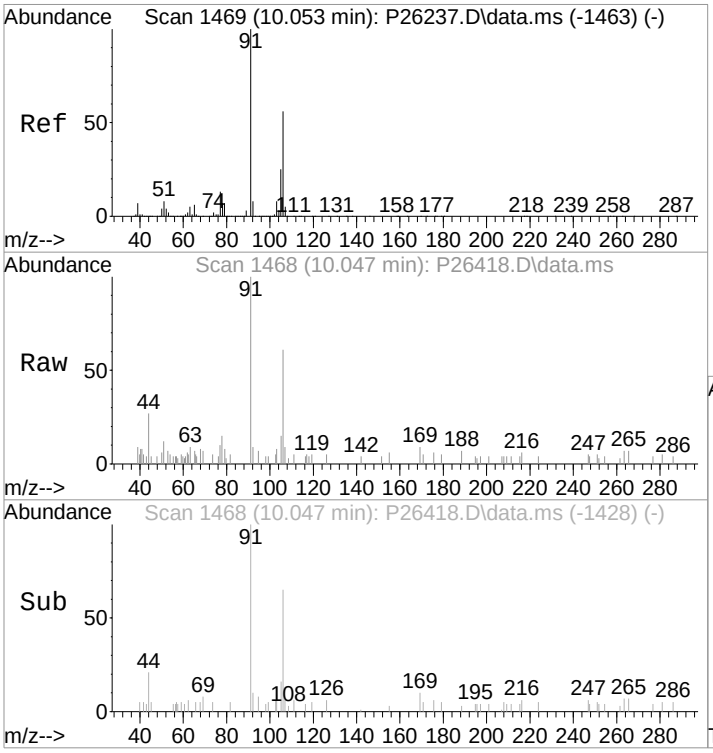


#72
Tetrachloroethene
Concen: 0.21 ppb
RT: 8.968 min Scan# 1291
Delta R.T. 0.000 min
Lab File: P26418.D
Acq: 6 May 2019 6:03 pm

Tgt Ion:164 Resp: 653

Ion	Ratio	Lower	Upper
164	100		
166	136.8	106.8	146.8
129	105.7	62.6	102.6#
131	76.6	60.9	100.9

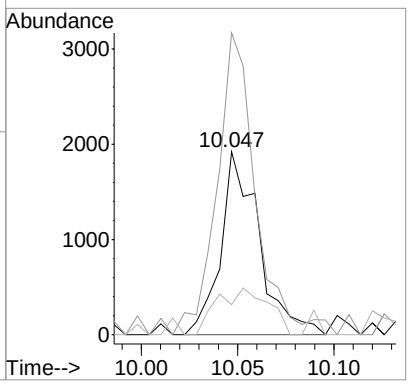


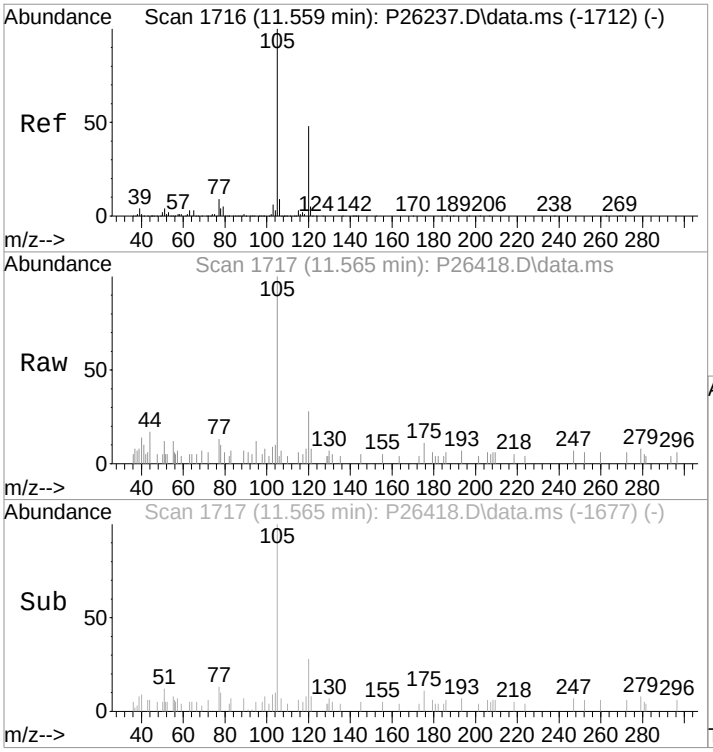


#83
(m+p)Xylene
Concen: 0.42 ppb
RT: 10.047 min Scan# 1468
Delta R.T. -0.006 min
Lab File: P26418.D
Acq: 6 May 2019 6:03 pm

Tgt Ion:106 Resp: 2672

Ion	Ratio	Lower	Upper
106	100		
91	164.8	160.1	200.1
77	16.4	4.0	44.0

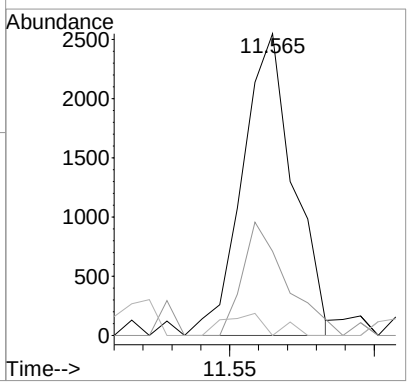




#101
1,2,4-Trimethylbenzene
Concen: 0.25 ppb
RT: 11.565 min Scan# 1717
Delta R.T. 0.000 min
Lab File: P26418.D
Acq: 6 May 2019 6:03 pm

Tgt Ion:105 Resp: 3139

Ion	Ratio	Lower	Upper
105	100		
120	27.9	30.0	70.0#
65	0.0	0.0	23.7

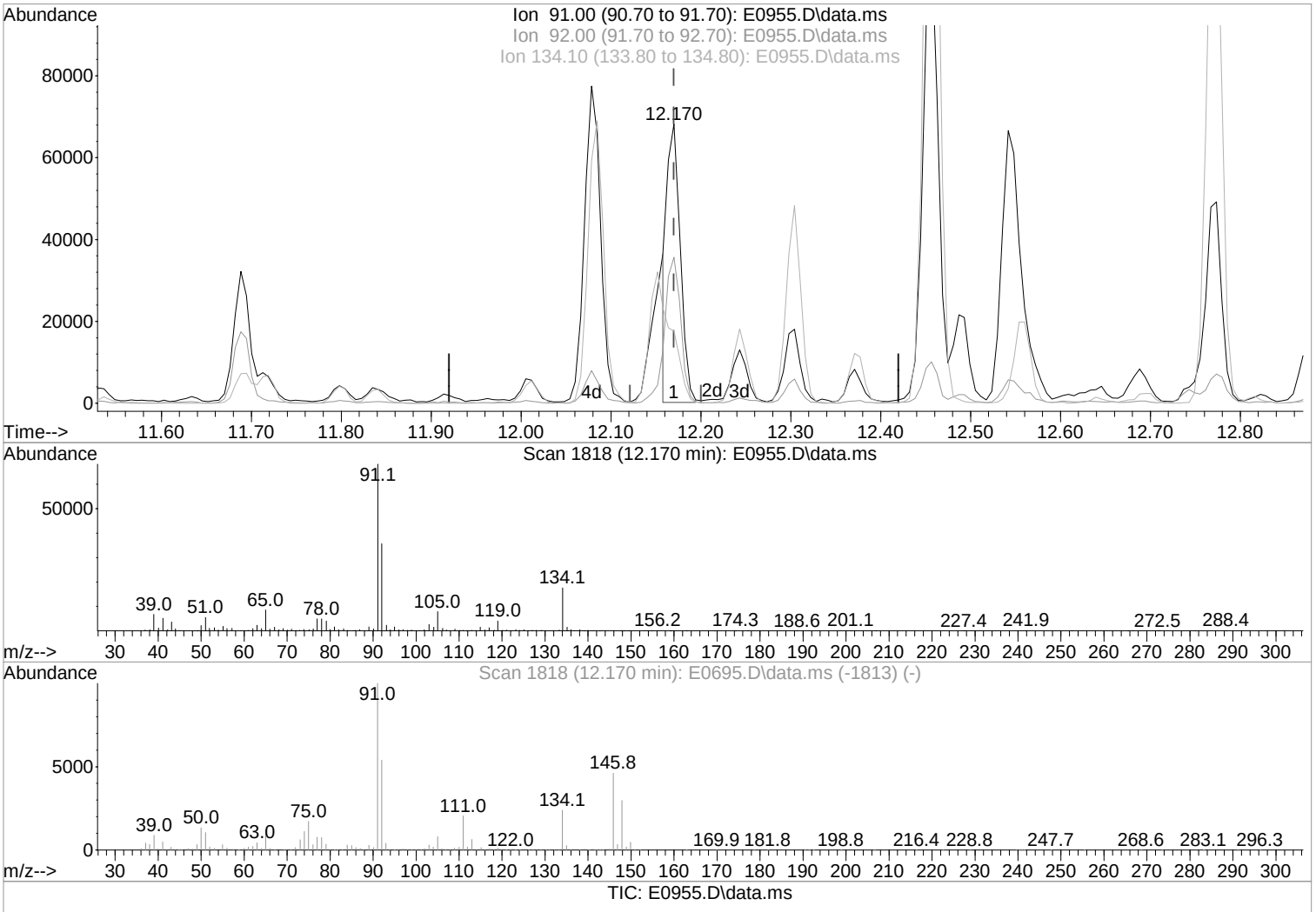


1st DL 05/12/19
2nd FW 05/13/19

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\050819\
Data File : E0955.D
Acq On : 8 May 2019 3:05 pm
Operator : D.LIPANI
Sample : R1903959-013|2.5 Inst : MSVOA10
Misc : Day 19396 T4
ALS Vial : 16 Sample Multiplier: 1

Quant Time: May 08 15:24:14 2019
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W043019.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 01 13:32:41 2019
Response via : Initial Calibration



TIC: E0955.D\data.ms

(108) n-Butylbenzene

12.170min (-0.000) 6.40 ug/L m

response 69539

Ion	Exp%	Act%
91.00	100	100
92.00	53.90	52.34
134.10	23.90	25.80
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

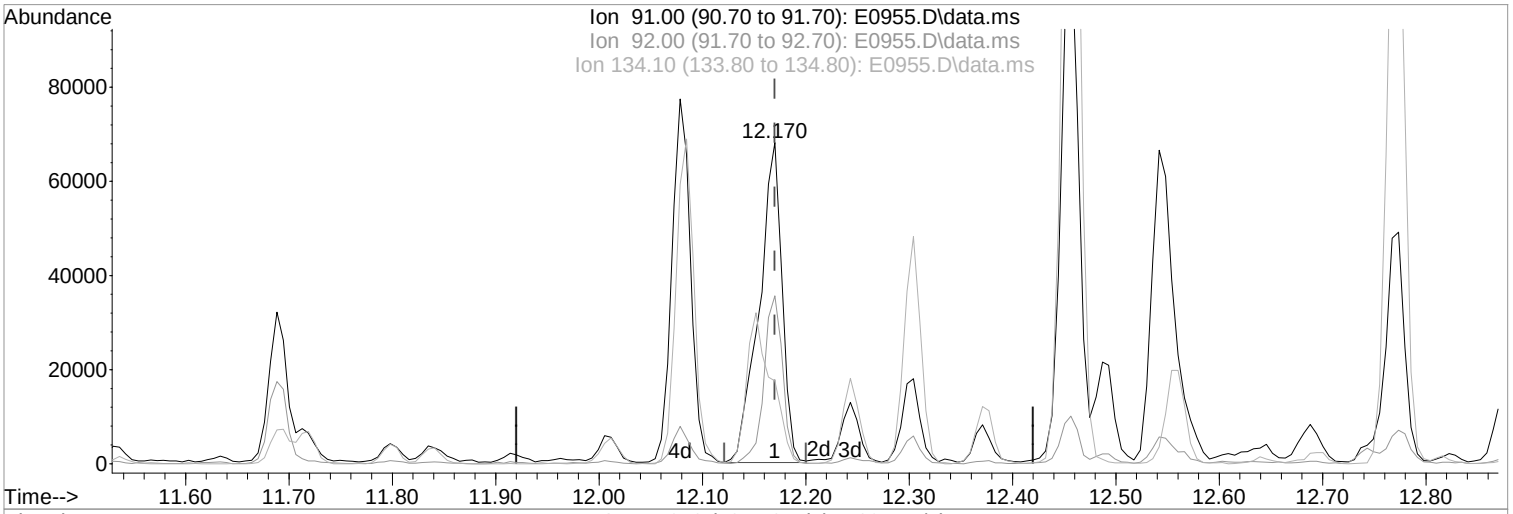
05/12/19

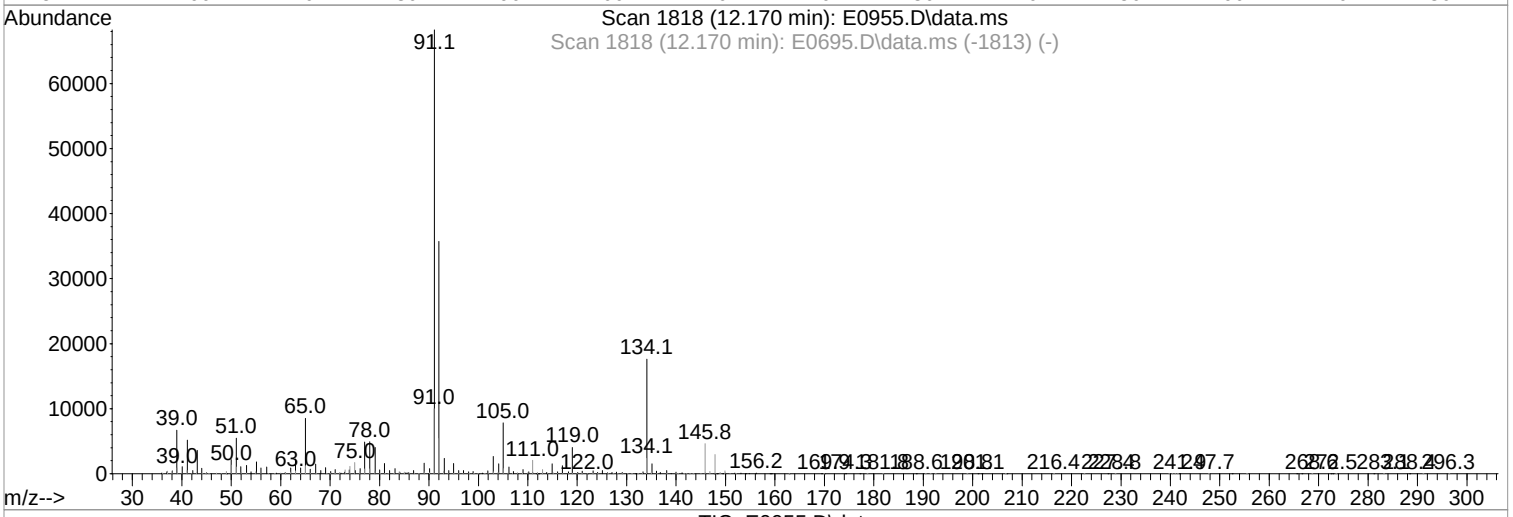
1st DL 05/12/19
2nd FW 05/13/19

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\050819\
Data File : E0955.D
Acq On : 8 May 2019 3:05 pm
Operator : D.LIPANI
Sample : R1903959-013|2.5 Inst : MSVOA10
Misc : Day 19396 T4
ALS Vial : 16 Sample Multiplier: 1

Quant Time: May 08 15:24:14 2019
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W043019.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 01 13:32:41 2019
Response via : Initial Calibration





TIC: E0955.D\data.ms

(108) n-Butylbenzene

12.170min (-0.000) 9.65 ug/L

response 104894

Ion	Exp%	Act%
91.00	100	100
92.00	53.90	52.34
134.10	23.90	25.80
0.00	0.00	0.00

Manual Integration:

Before

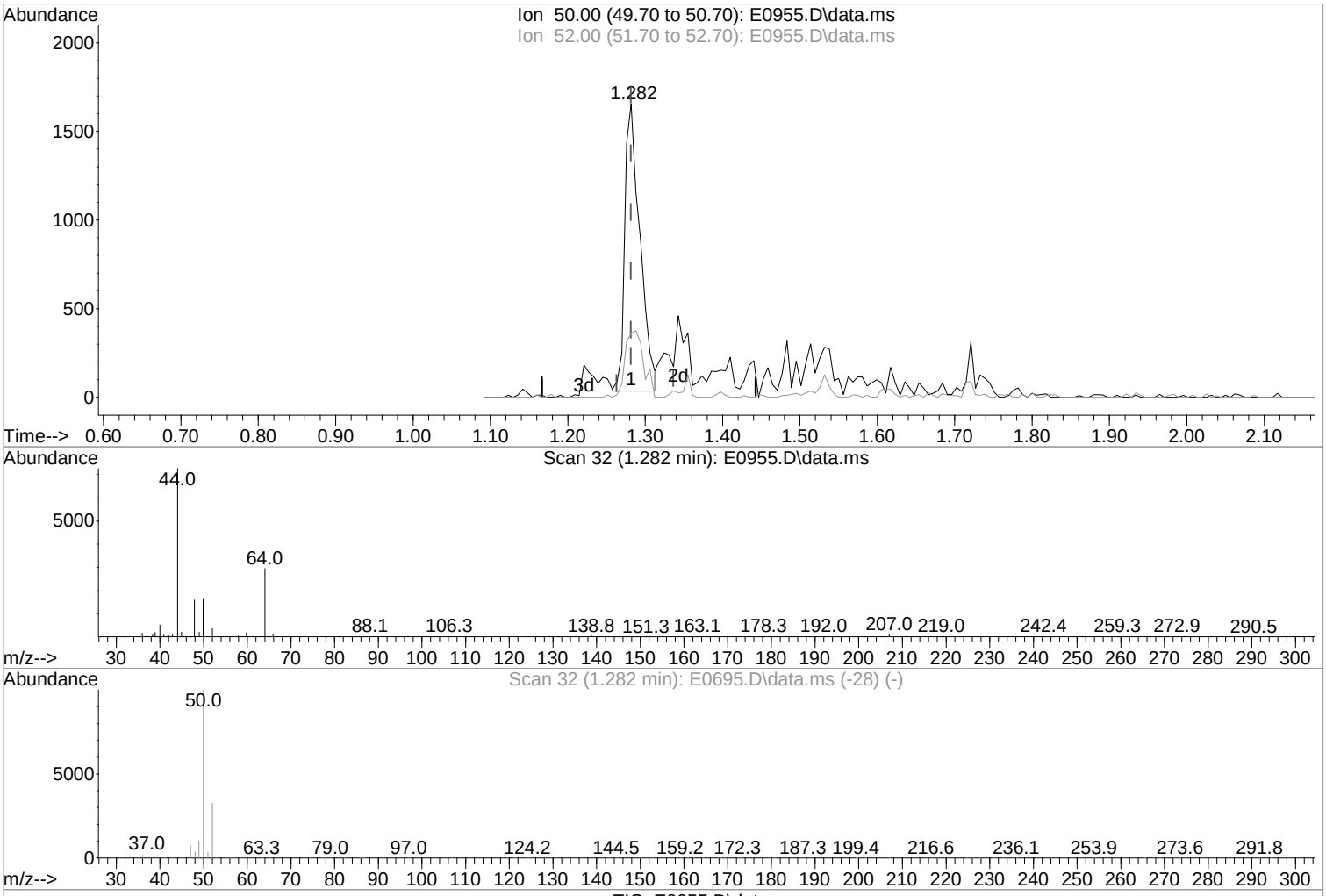
05/12/19

1st DL 05/12/19
2nd FW 05/13/19

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\050819\
Data File : E0955.D
Acq On : 8 May 2019 3:05 pm
Operator : D.LIPANI
Sample : R1903959-013|2.5 Inst : MSVOA10
Misc : Day 19396 T4
ALS Vial : 16 Sample Multiplier: 1

Quant Time: May 08 15:24:14 2019
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W043019.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 01 13:32:41 2019
Response via : Initial Calibration



TIC: E0955.D\data.ms

(3) Chloromethane (P)

1.282min (-0.000) 0.46 ug/L m

response 2213

Ion	Exp%	Act%
50.00	100	100
52.00	32.60	21.86
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

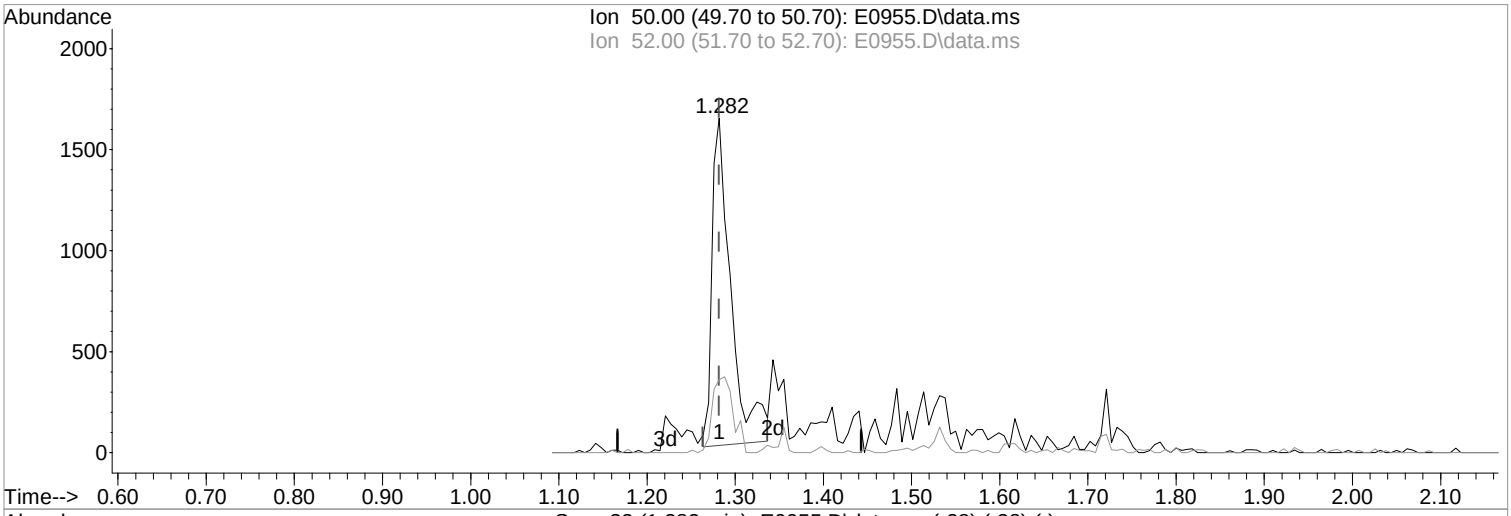
05/12/19

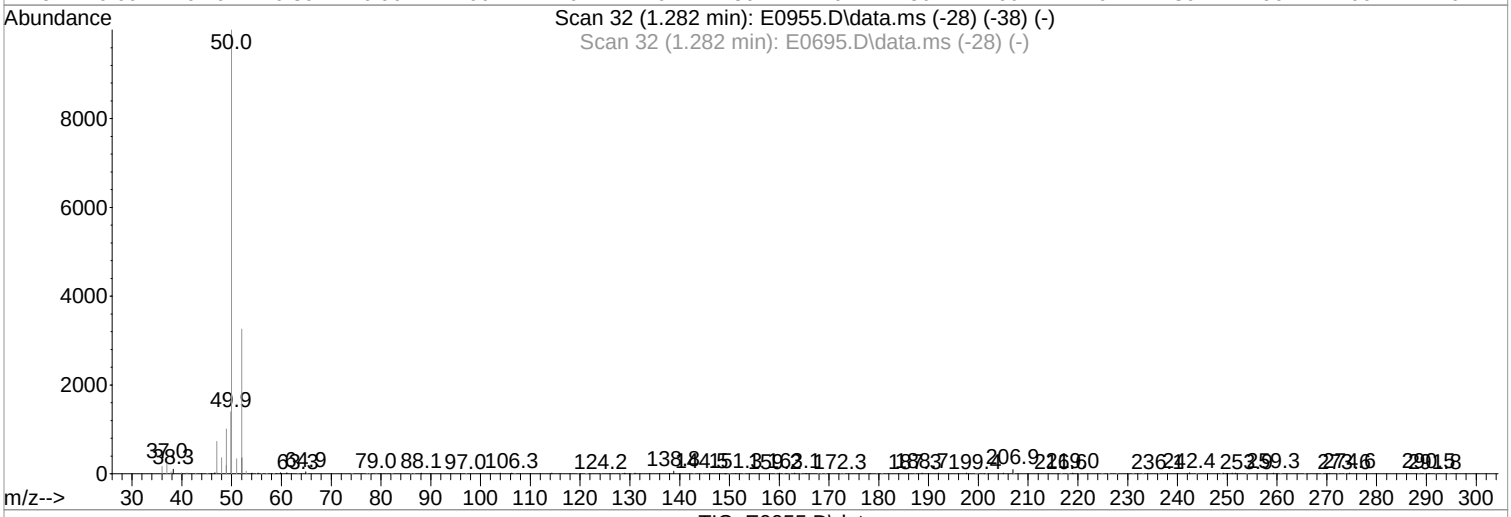
1st DL 05/12/19
2nd FW 05/13/19

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\050819\
Data File : E0955.D
Acq On : 8 May 2019 3:05 pm
Operator : D.LIPANI
Sample : R1903959-013|2.5 Inst : MSVOA10
Misc : Day 19396 T4
ALS Vial : 16 Sample Multiplier: 1

Quant Time: May 08 15:24:14 2019
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W043019.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 01 13:32:41 2019
Response via : Initial Calibration





TIC: E0955.D\data.ms

(3) Chloromethane (P)

1.282min (-0.000) 0.51 ug/L

response 2422

Ion	Exp%	Act%
50.00	100	100
52.00	32.60	21.86
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

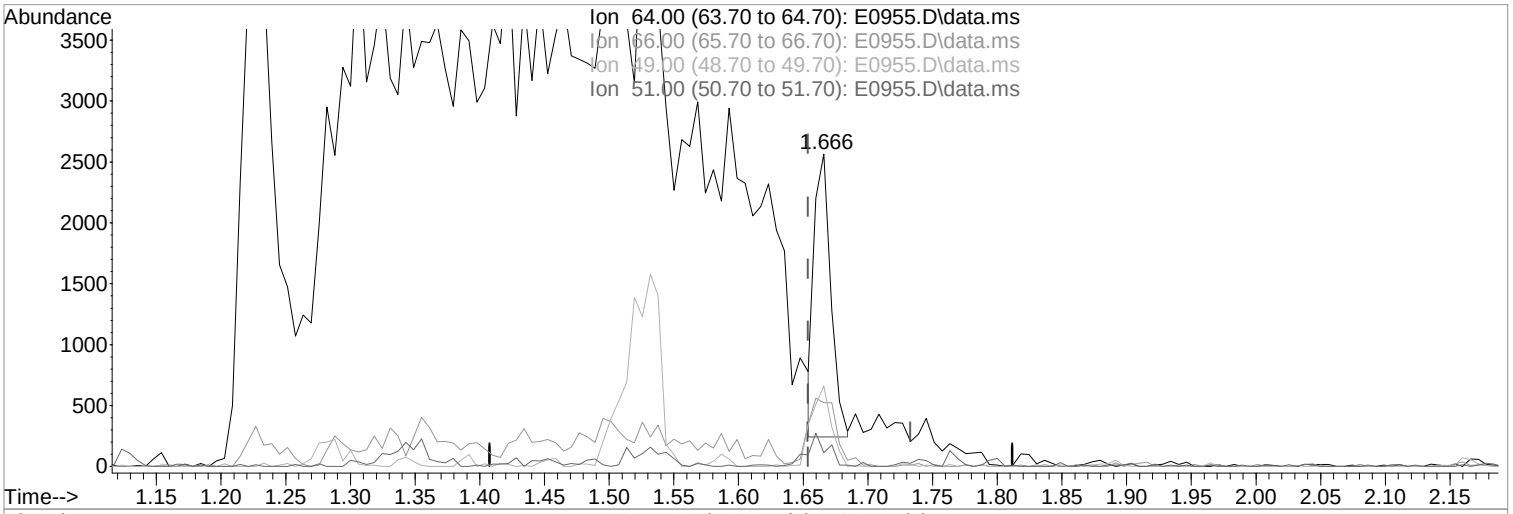
05/12/19

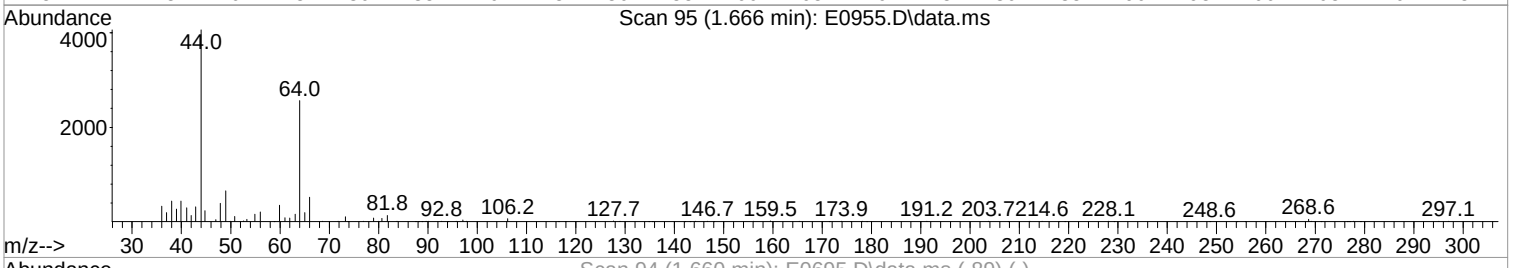
1st DL 05/12/19
2nd FW 05/13/19

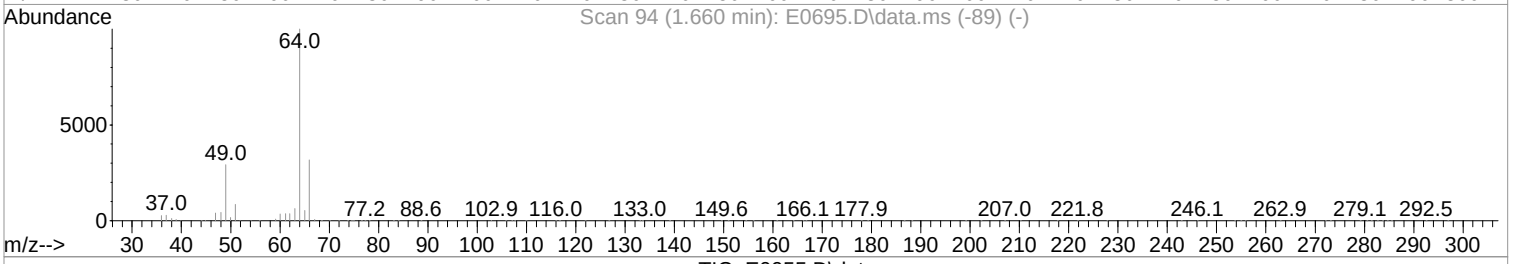
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\050819\
Data File : E0955.D
Acq On : 8 May 2019 3:05 pm
Operator : D.LIPANI
Sample : R1903959-013|2.5 Inst : MSVOA10
Misc : Day 19396 T4
ALS Vial : 16 Sample Multiplier: 1

Quant Time: May 08 15:24:14 2019
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W043019.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 01 13:32:41 2019
Response via : Initial Calibration







TIC: E0955.D\data.ms

(6) Chloroethane (P)

1.666min (+0.012) 0.77 ug/L m

response 2069

Ion	Exp%	Act%
64.00	100	100
66.00	31.80	20.40
49.00	29.30	25.62
51.00	8.60	4.49

Manual Integration:

After

Poor integration.

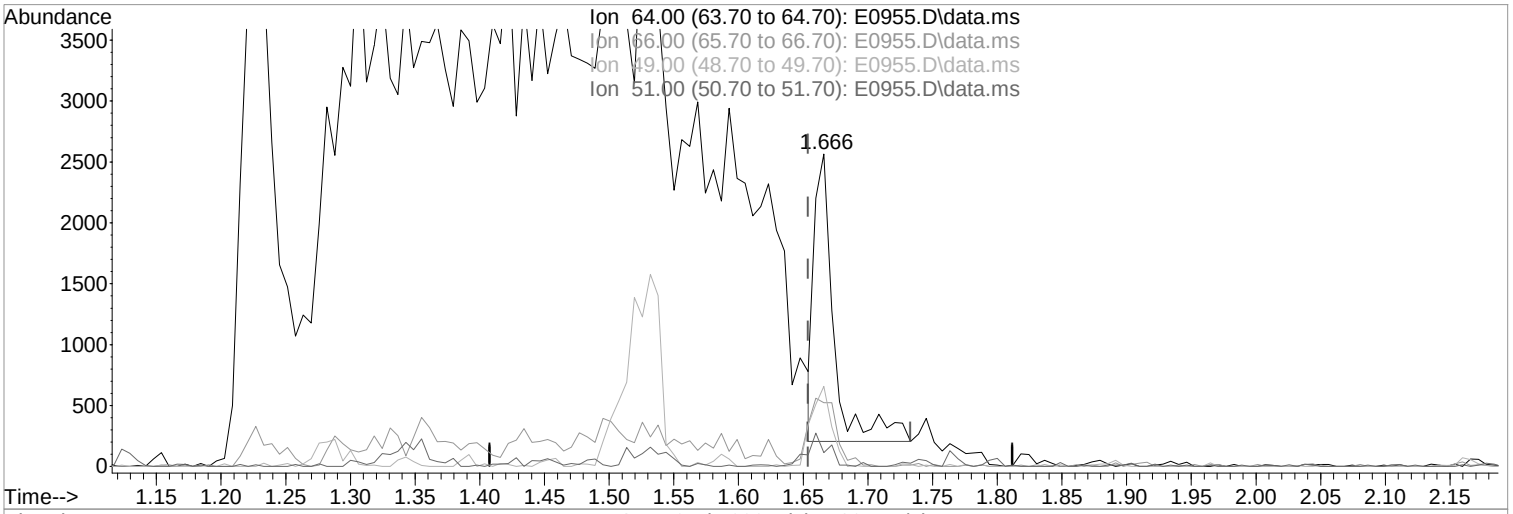
05/12/19

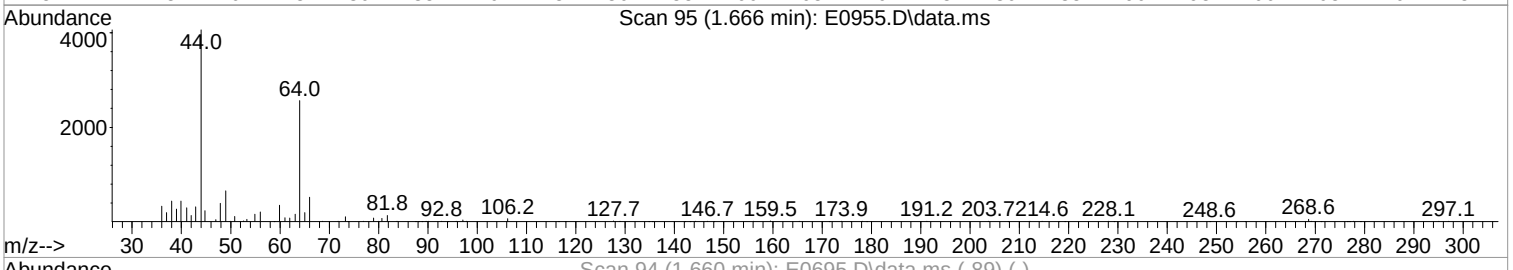
1st DL 05/12/19
2nd FW 05/13/19

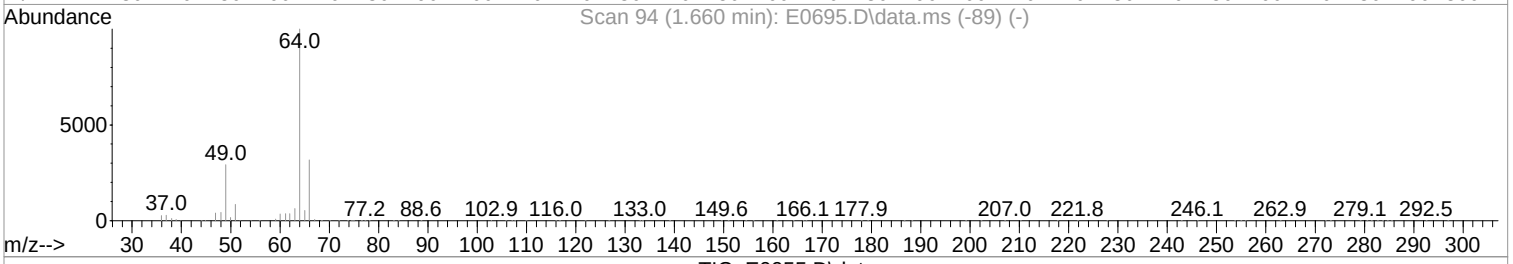
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\050819\
Data File : E0955.D
Acq On : 8 May 2019 3:05 pm
Operator : D.LIPANI
Sample : R1903959-013|2.5 Inst : MSVOA10
Misc : Day 19396 T4
ALS Vial : 16 Sample Multiplier: 1

Quant Time: May 08 15:24:14 2019
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W043019.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 01 13:32:41 2019
Response via : Initial Calibration







TIC: E0955.D\data.ms

(6) Chloroethane (P)

1.666min (+0.012) 0.94 ug/L

response 2518

Ion	Exp%	Act%
64.00	100	100
66.00	31.80	20.40
49.00	29.30	25.62
51.00	8.60	4.49

Manual Integration:

Before

05/12/19

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\050819\
Data File : E0955.D
Acq On : 8 May 2019 3:05 pm
Operator : D.LIPANI
Sample : R1903959-013|2.5 Inst : MSVOA10
Misc : Day 19396 T4
ALS Vial : 16 Sample Multiplier: 1

Quant Time: May 12 11:11:00 2019
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W043019.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 01 13:32:41 2019
Response via : Initial Calibration

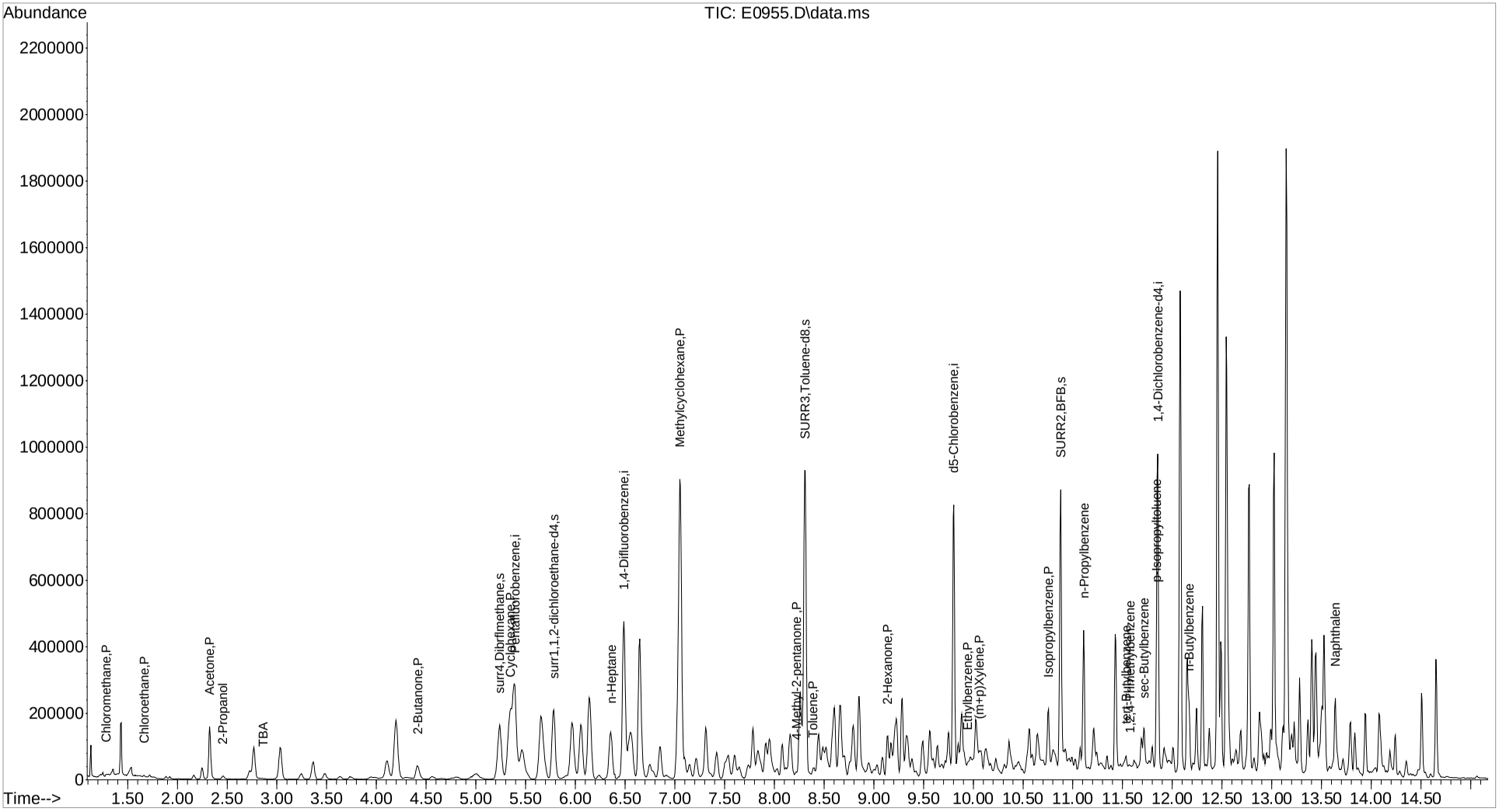
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.391	168	244706	50.00	ug/L		0.00
41) 1,4-Difluorobenzene	6.488	114	387147	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.805	117	337179	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.853	152	172804	50.00	ug/L		0.00
System Monitoring Compounds							
43) surr4,Dibrflmethane	5.238	113	125747	49.59	ug/L		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 99.18%				
46) surr1,1,2-dichloroetha...	5.781	65	177093	49.52	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 99.04%				
64) SURR3,Toluene-d8	8.311	98	522416	49.77	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 99.54%				
69) SURR2,BFB	10.878	95	199074	49.02	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 98.04%				
Target Compounds							Qvalue
3) Chloromethane	1.282	50	2213m	0.46	ug/L		
6) Chloroethane	1.666	64	2069m	0.77	ug/L		
15) Acetone	2.324	43	151902	87.25	ug/L		99
16) 2-Propanol	2.452	45	9746	26.86	ug/L		96
23) TBA	2.861	59	1610	2.96	ug/L	#	34
34) 2-Butanone	4.415	43	68989	31.01	ug/L		96
42) Cyclohexane	5.348	41	86408	24.94	ug/L		90
51) n-Heptane	6.360	43	92402	20.89	ug/L	#	68
54) Methylcyclohexane	7.049	55	354919	85.31	ug/L		87
63) 4-Methyl-2-pentanone	8.220	43	11921	2.81	ug/L		98
65) Toluene	8.384	91	2805	0.22	ug/L	#	70
72) 2-Hexanone	9.134	43	16080	4.93	ug/L		86
81) Ethylbenzene	9.945	106	3248	0.82	ug/L	#	71
82) (m+p)Xylene	10.061	106	1754	0.34	ug/L	#	26 sec ion interf
87) Isopropylbenzene	10.756	105	75442	5.84	ug/L		95
94) n-Propylbenzene	11.109	91	236852	15.46	ug/L		99
99) tert-Butylbenzene	11.536	119	6997	0.79	ug/L		100
100) 1,2,4-Trimethylbenzene	11.573	105	3508	0.34	ug/L		82
102) sec-Butylbenzene	11.719	105	49220	3.68	ug/L		95
103) p-Isopropyltoluene	11.841	119	15865	1.45	ug/L		98
108) n-Butylbenzene	12.170	91	69539m	6.40	ug/L		
116) Naphthalen	13.639	128	130782	11.36	ug/L		98

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

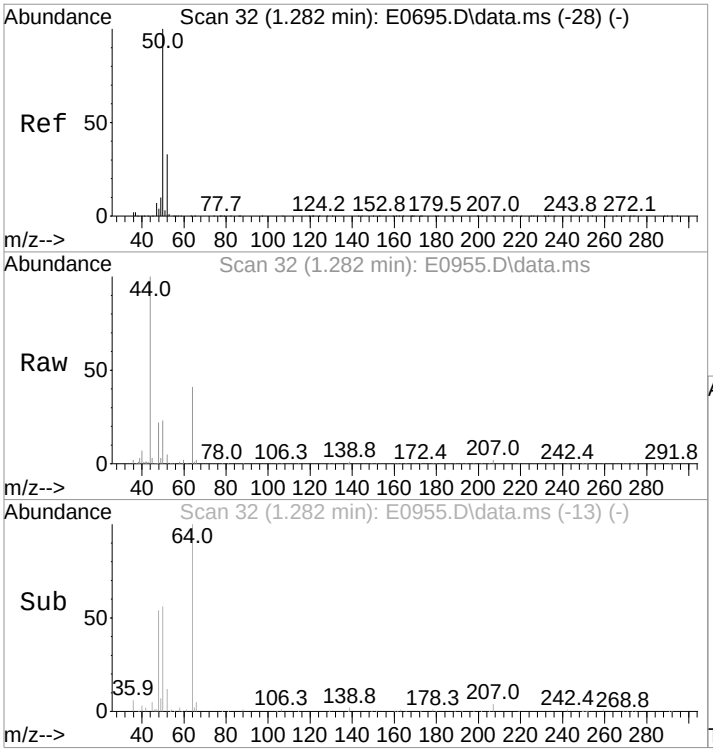
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\050819\
Data File : E0955.D
Acq On : 8 May 2019 3:05 pm
Operator : D.LIPANI
Sample : R1903959-013|2.5 Inst : MSVOA10
Misc : Day 19396 T4
ALS Vial : 16 Sample Multiplier: 1

Quant Time: May 12 11:11:00 2019
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W043019.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 01 13:32:41 2019
Response via : Initial Calibration



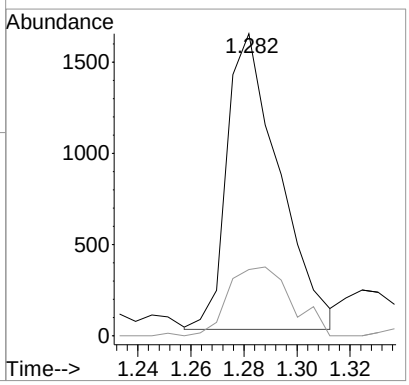
1st DL 05/12/19
2nd FJ 05/13/19

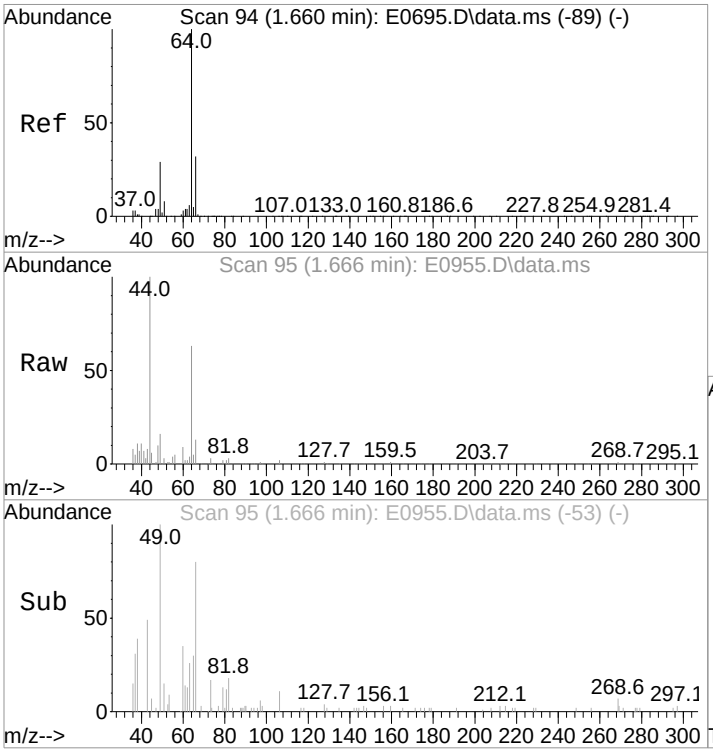


#3
Chloromethane
Concen: 0.46 ug/L m
RT: 1.282 min Scan# 32
Delta R.T. -0.000 min
Lab File: E0955.D
Acq: 8 May 2019 3:05 pm

Tgt Ion: 50 Resp: 2213

Ion	Ratio	Lower	Upper
50	100		
52	21.9	12.6	52.6

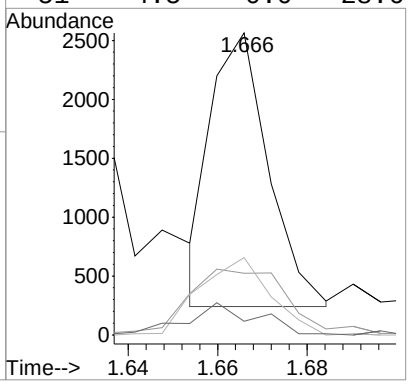


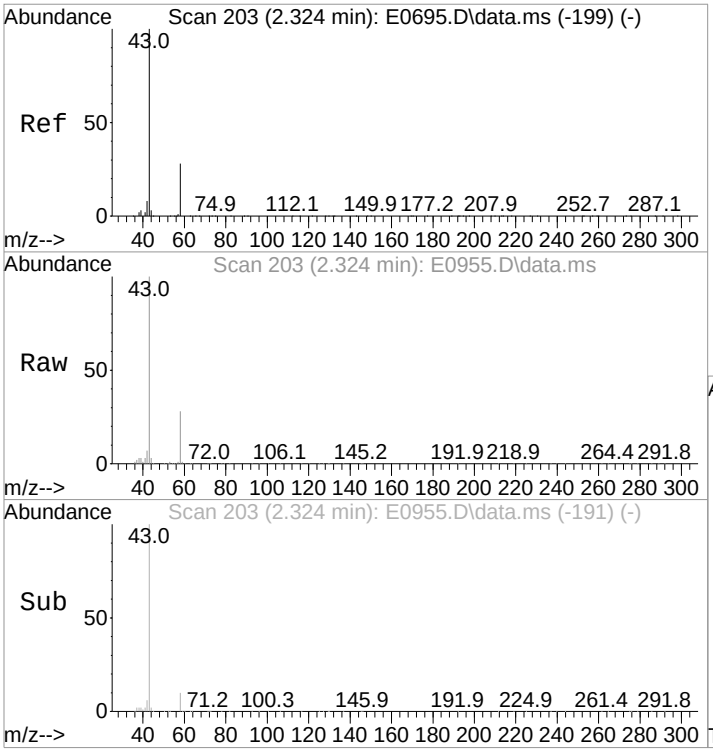


#6
Chloroethane
Concen: 0.77 ug/L m
RT: 1.666 min Scan# 95
Delta R.T. 0.012 min
Lab File: E0955.D
Acq: 8 May 2019 3:05 pm

Tgt Ion: 64 Resp: 2069

Ion	Ratio	Lower	Upper
64	100		
66	20.4	11.8	51.8
49	25.6	9.3	49.3
51	4.5	0.0	28.6

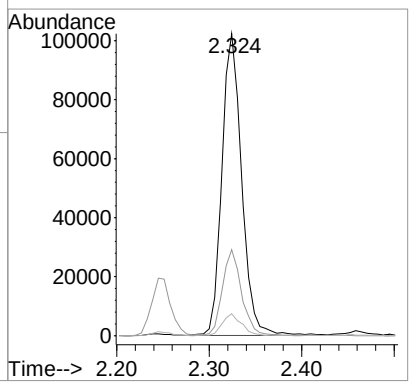


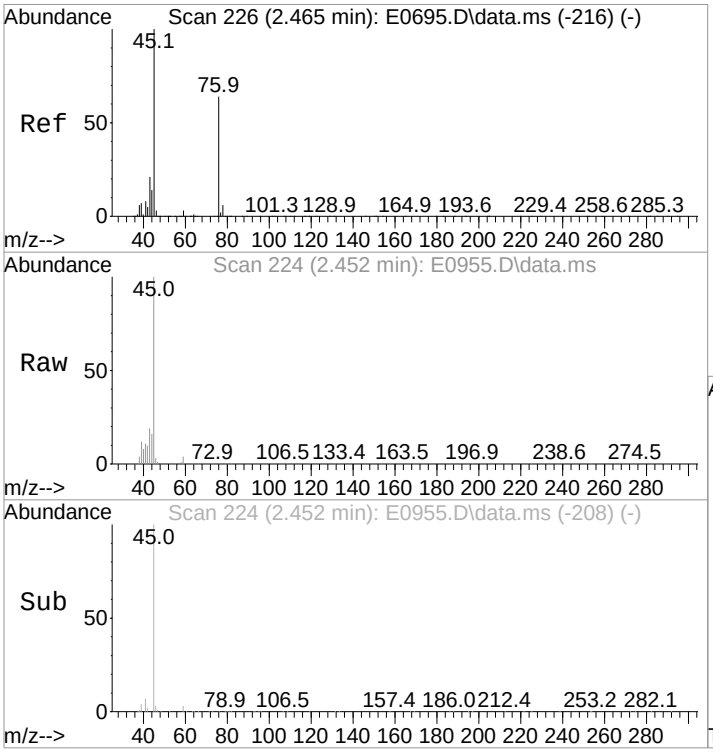


#15
Acetone
Concen: 87.25 ug/L
RT: 2.324 min Scan# 203
Delta R.T. -0.000 min
Lab File: E0955.D
Acq: 8 May 2019 3:05 pm

Tgt Ion: 43 Resp: 151902

Ion	Ratio	Lower	Upper
43	100		
58	28.4	7.8	47.8
42	7.3	0.0	27.8

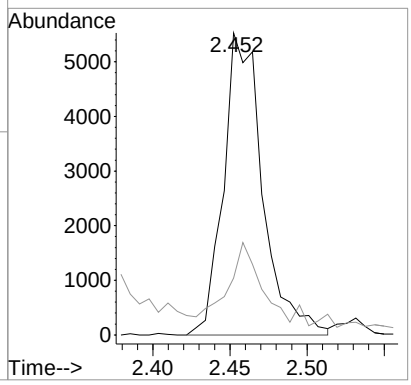


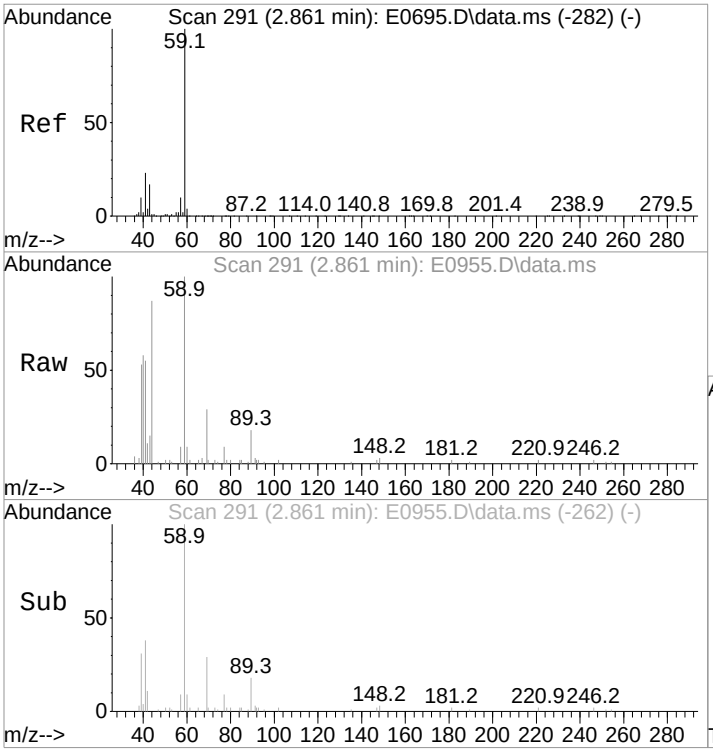


#16
2-Propanol
Concen: 26.86 ug/L
RT: 2.452 min Scan# 224
Delta R.T. -0.012 min
Lab File: E0955.D
Acq: 8 May 2019 3:05 pm

Tgt Ion: 45 Resp: 9746

Ion	Ratio	Lower	Upper
45	100		
43	18.9	0.9	40.9

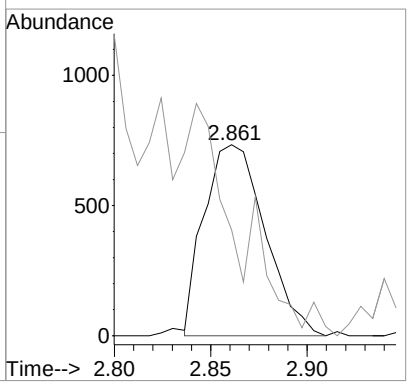


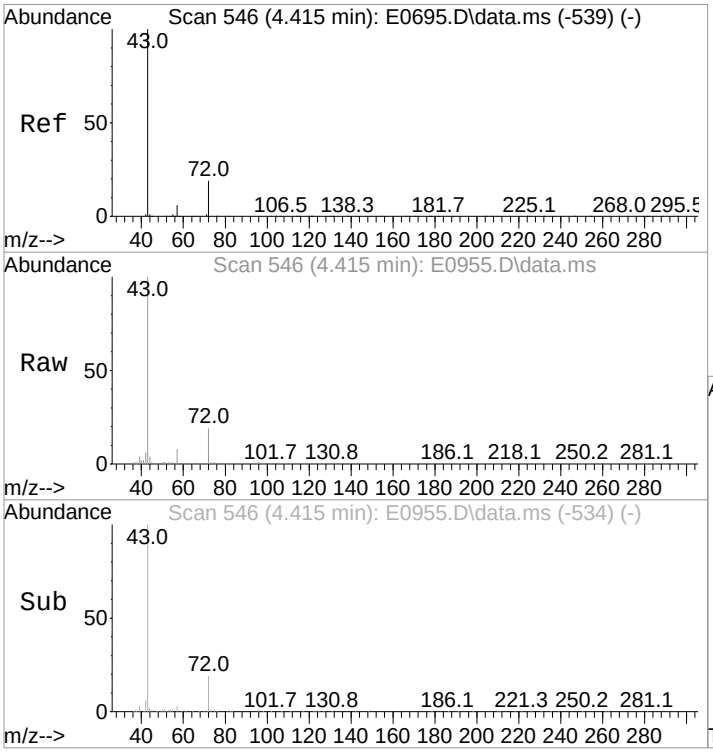


#23
TBA
Concen: 2.96 ug/L
RT: 2.861 min Scan# 291
Delta R.T. -0.012 min
Lab File: E0955.D
Acq: 8 May 2019 3:05 pm

Tgt Ion: 59 Resp: 1610

Ion	Ratio	Lower	Upper
59	100		
41	55.3	3.1	43.1#

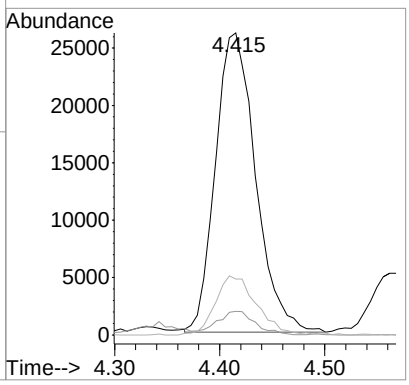


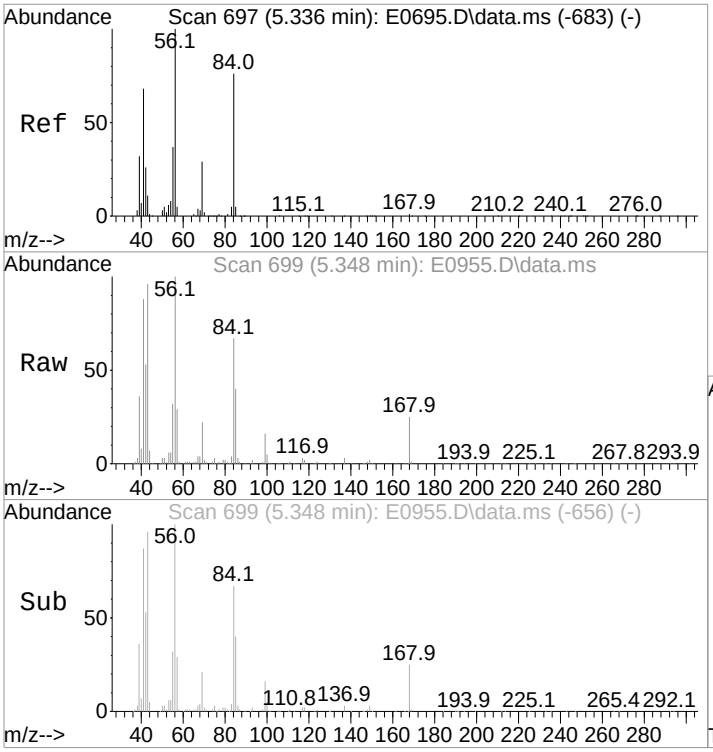


#34
2-Butanone
Concen: 31.01 ug/L
RT: 4.415 min Scan# 546
Delta R.T. -0.000 min
Lab File: E0955.D
Acq: 8 May 2019 3:05 pm

Tgt Ion: 43 Resp: 68989

Ion	Ratio	Lower	Upper
43	100		
57	7.8	0.0	25.7
72	18.5	0.0	40.0

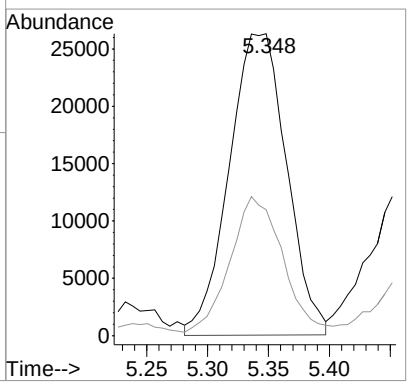


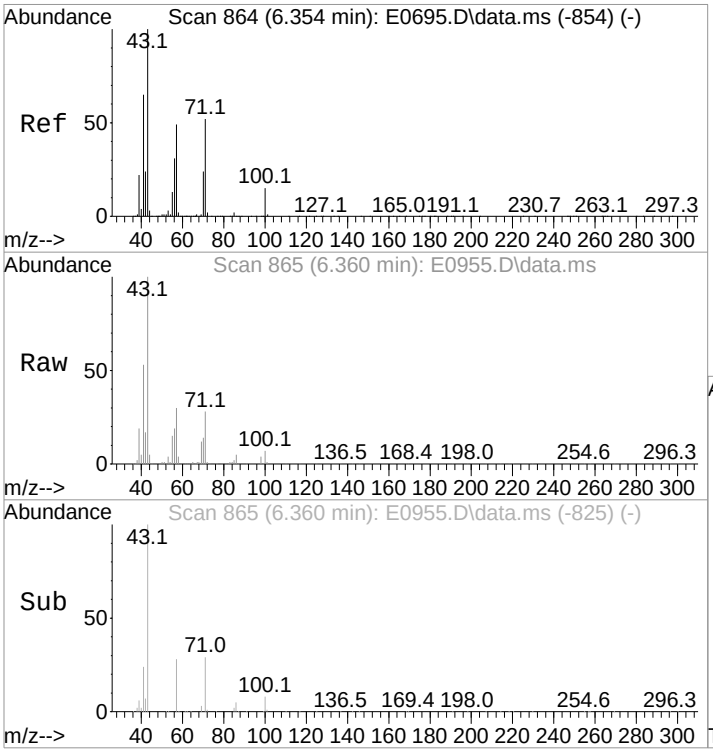


#42
Cyclohexane
Concen: 24.94 ug/L
RT: 5.348 min Scan# 699
Delta R.T. 0.012 min
Lab File: E0955.D
Acq: 8 May 2019 3:05 pm

Tgt Ion: 41 Resp: 86408

Ion	Ratio	Lower	Upper
41	100		
39	41.7	28.2	68.2

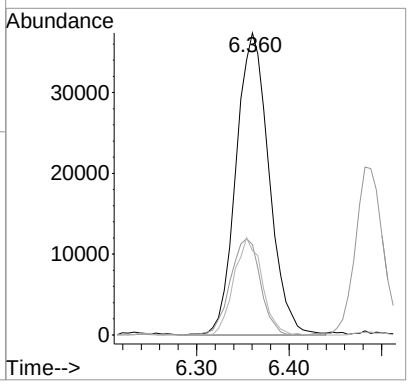


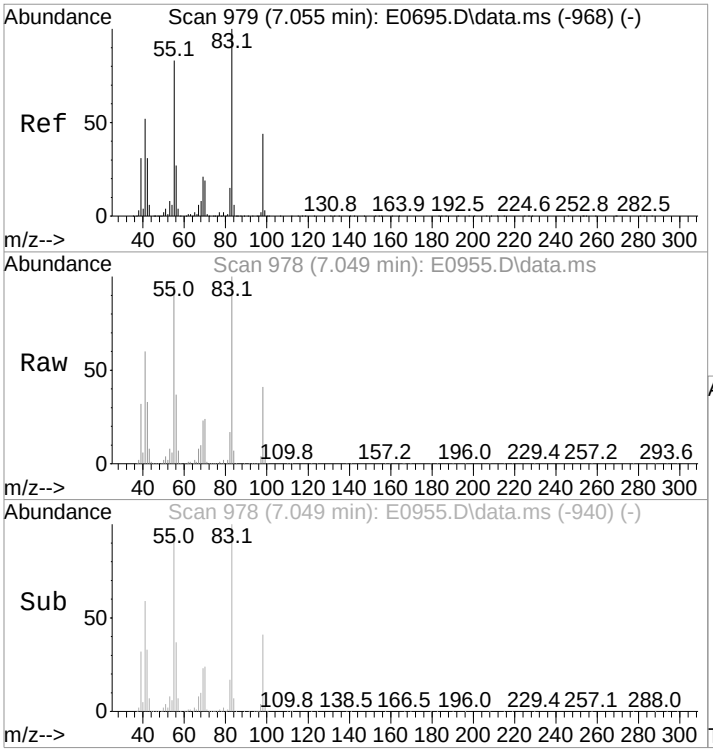


#51
n-Heptane
Concen: 20.89 ug/L
RT: 6.360 min Scan# 865
Delta R.T. 0.006 min
Lab File: E0955.D
Acq: 8 May 2019 3:05 pm

Tgt Ion: 43 Resp: 92402

Ion	Ratio	Lower	Upper
43	100		
57	29.9	29.2	69.2
71	28.0	32.4	72.4#

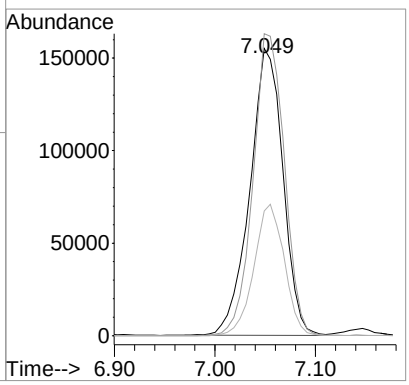


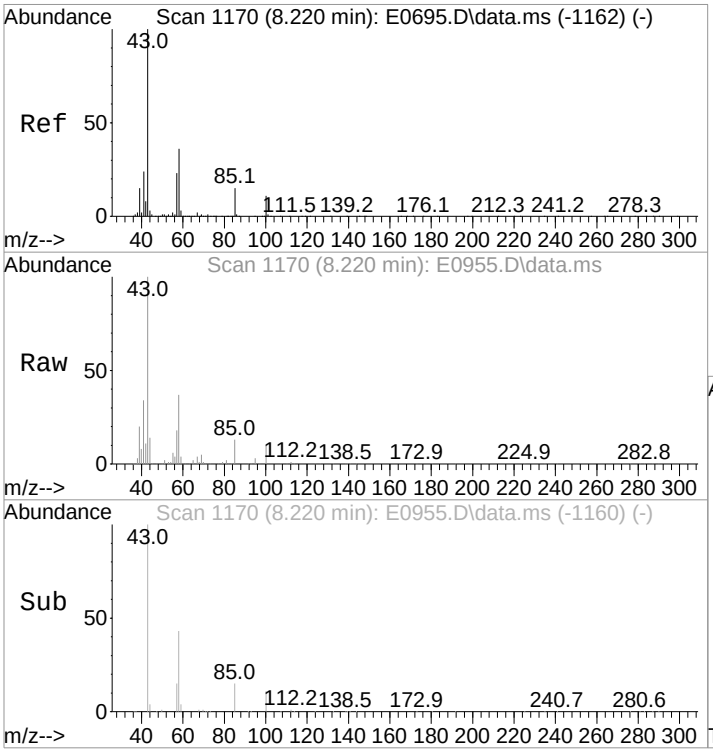


#54
Methylcyclohexane
Concen: 85.31 ug/L
RT: 7.049 min Scan# 978
Delta R.T. -0.006 min
Lab File: E0955.D
Acq: 8 May 2019 3:05 pm

Tgt Ion: 55 Resp: 354919

Ion	Ratio	Lower	Upper
55	100		
83	105.1	99.7	139.7
98	43.4	32.6	72.6

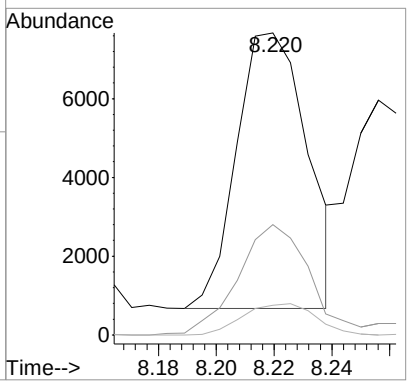


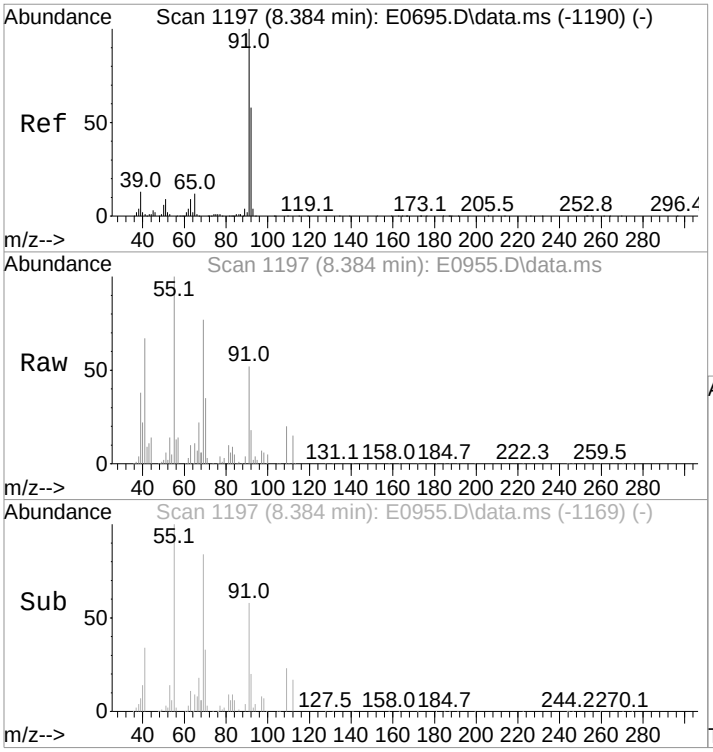


#63
4-Methyl-2-pentanone
Concen: 2.81 ug/L
RT: 8.220 min Scan# 1170
Delta R.T. -0.000 min
Lab File: E0955.D
Acq: 8 May 2019 3:05 pm

Tgt Ion: 43 Resp: 11921

Ion	Ratio	Lower	Upper
43	100		
58	36.5	15.9	55.9
100	9.8	0.0	31.3

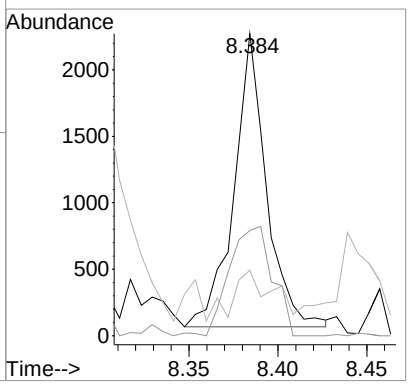


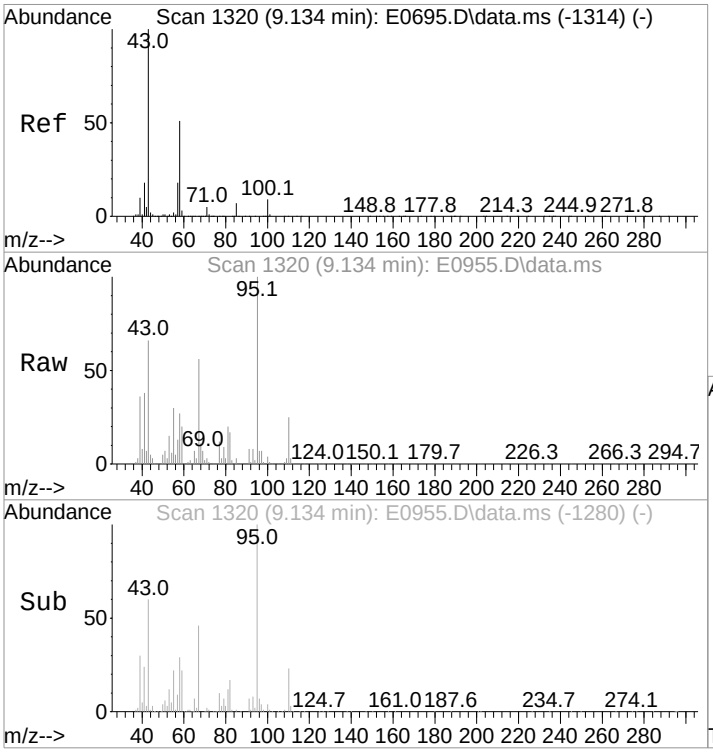


#65
Toluene
Concen: 0.22 ug/L
RT: 8.384 min Scan# 1197
Delta R.T. -0.000 min
Lab File: E0955.D
Acq: 8 May 2019 3:05 pm

Tgt Ion: 91 Resp: 2805

Ion	Ratio	Lower	Upper
91	100		
92	34.9	37.5	77.5#
65	21.7	0.0	32.1

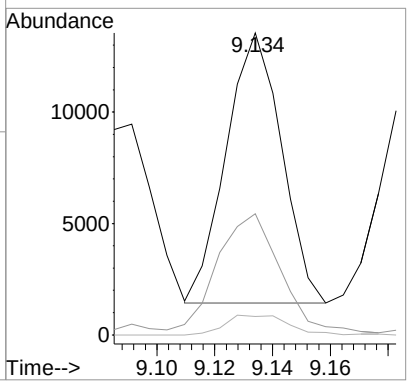


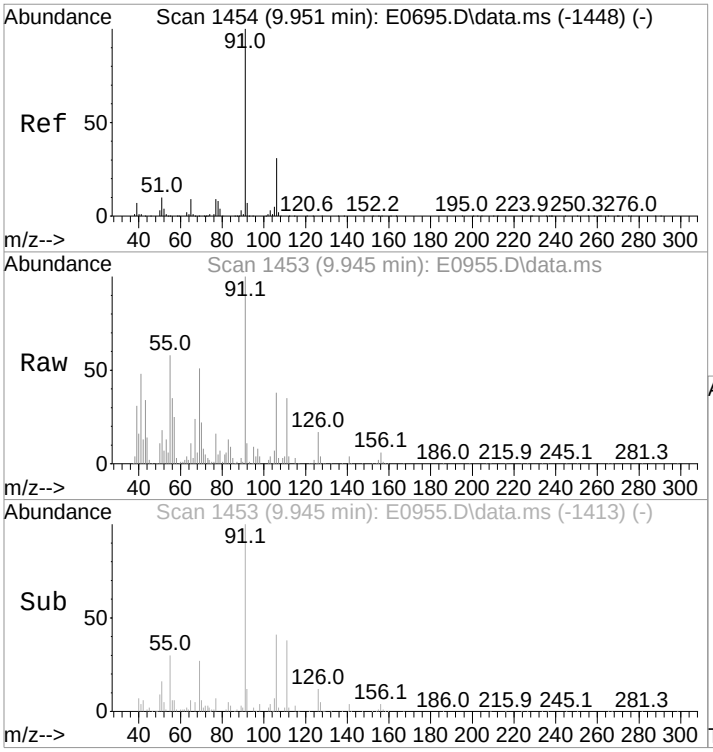


#72
2-Hexanone
Concen: 4.93 ug/L
RT: 9.134 min Scan# 1320
Delta R.T. -0.000 min
Lab File: E0955.D
Acq: 8 May 2019 3:05 pm

Tgt Ion: 43 Resp: 16080

Ion	Ratio	Lower	Upper
43	100		
58	40.1	30.9	70.9
100	6.1	0.0	28.6

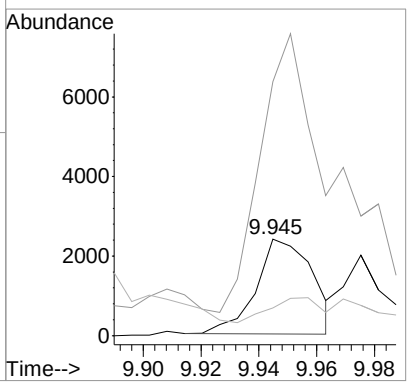


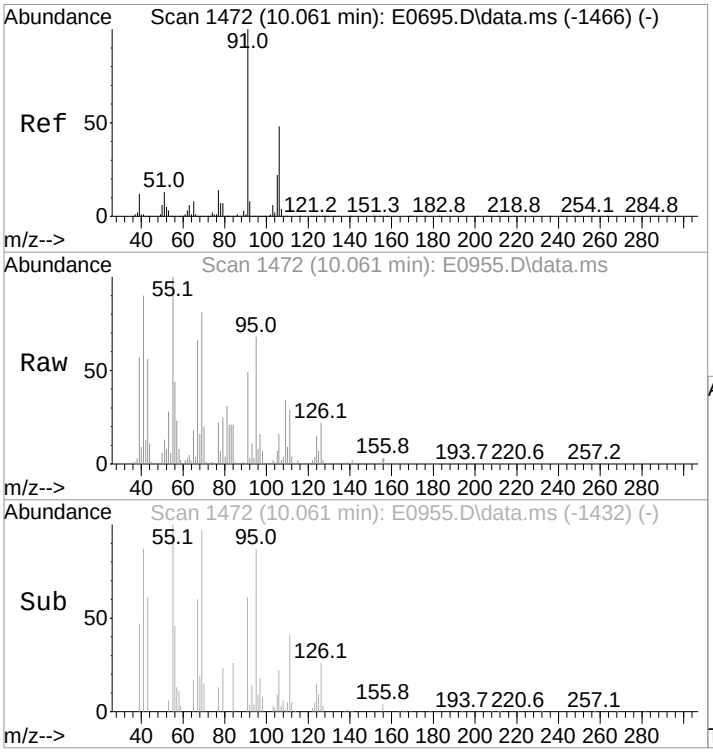


#81
Ethylbenzene
Concen: 0.82 ug/L
RT: 9.945 min Scan# 1453
Delta R.T. -0.006 min
Lab File: E0955.D
Acq: 8 May 2019 3:05 pm

Tgt Ion:106 Resp: 3248

Ion	Ratio	Lower	Upper
106	100		
91	263.1	307.4	347.4#
65	28.6	10.4	50.4

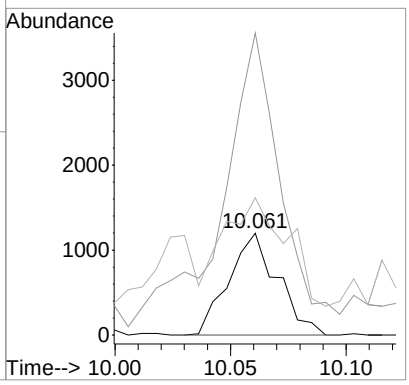


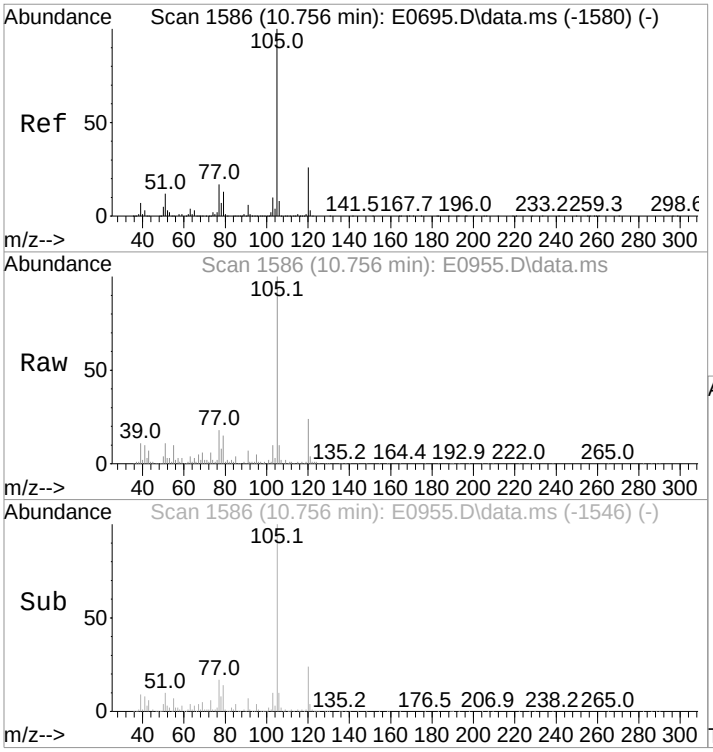


#82
(m+p)Xylene
Concen: 0.34 ug/L
RT: 10.061 min Scan# 1472
Delta R.T. -0.006 min
Lab File: E0955.D
Acq: 8 May 2019 3:05 pm

Tgt Ion:106 Resp: 1754

Ion	Ratio	Lower	Upper
106	100		
91	297.3	189.1	229.1#
77	135.0	9.6	49.6#

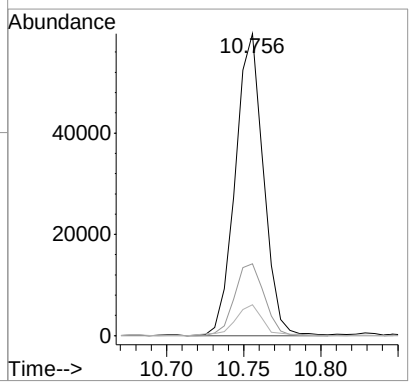


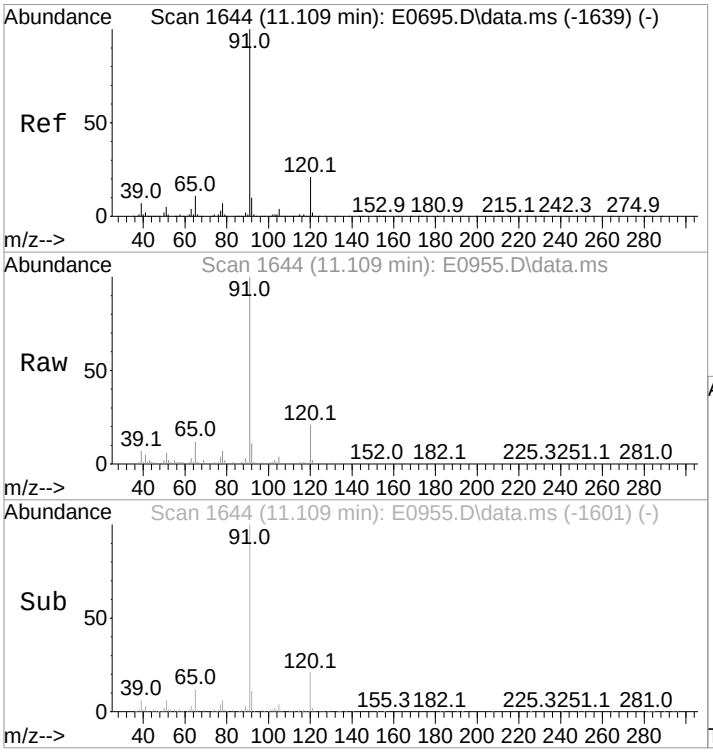


#87
Isopropylbenzene
Concen: 5.84 ug/L
RT: 10.756 min Scan# 1586
Delta R.T. -0.000 min
Lab File: E0955.D
Acq: 8 May 2019 3:05 pm

Tgt Ion:105 Resp: 75442

Ion	Ratio	Lower	Upper
105	100		
120	23.9	6.2	46.2
106	10.2	0.0	28.3

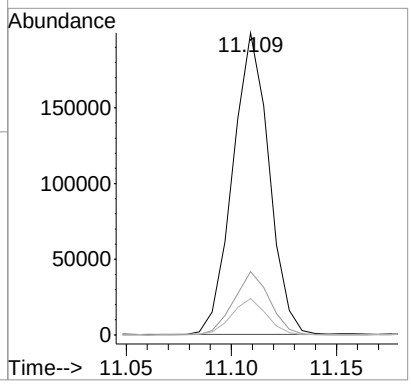


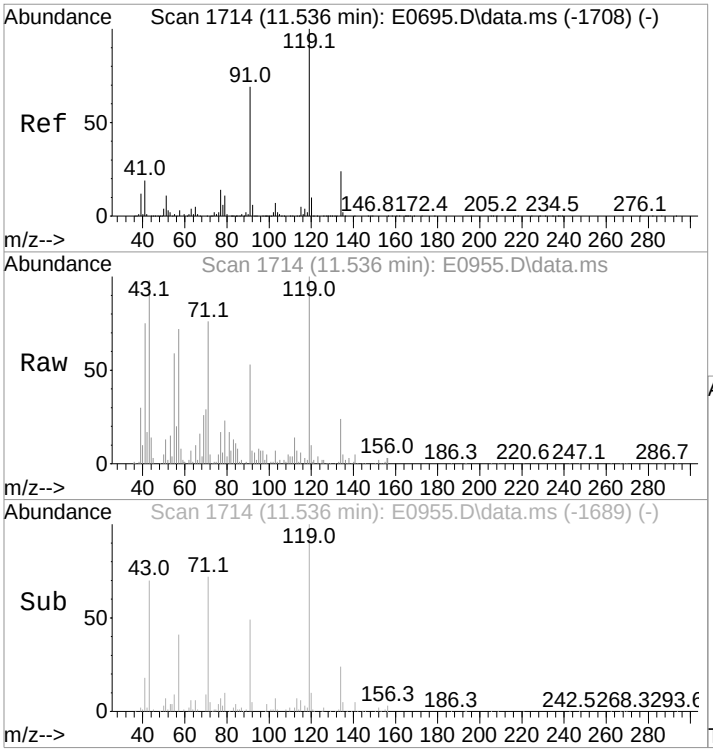


#94
n-Propylbenzene
Concen: 15.46 ug/L
RT: 11.109 min Scan# 1644
Delta R.T. -0.000 min
Lab File: E0955.D
Acq: 8 May 2019 3:05 pm

Tgt Ion: 91 Resp: 236852

Ion	Ratio	Lower	Upper
91	100		
120	21.0	1.3	41.3
65	12.1	0.0	31.0

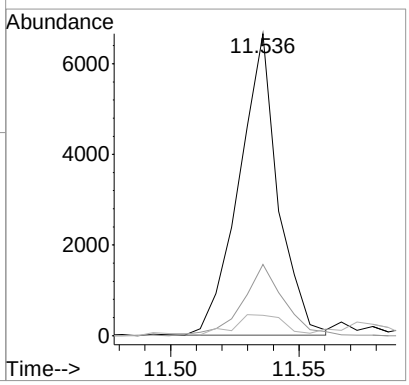


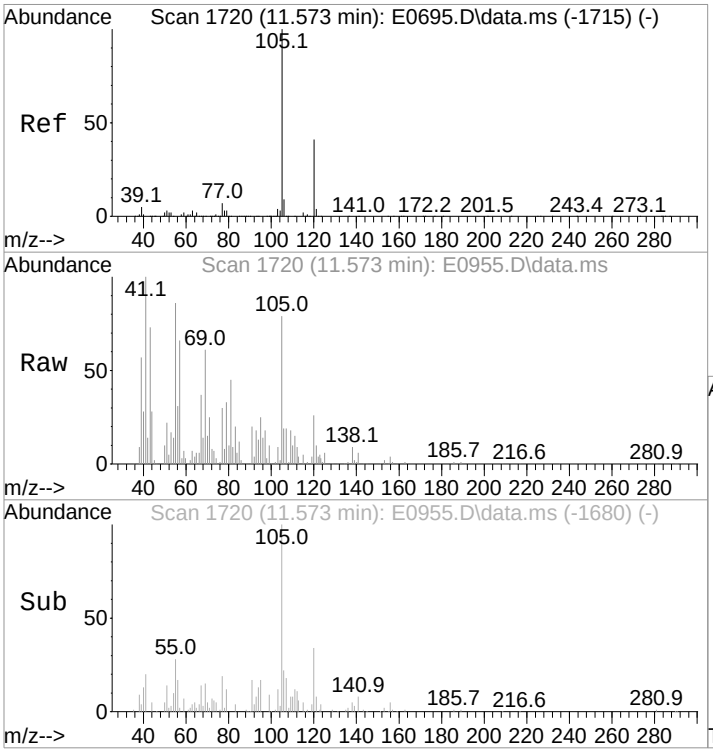


#99
tert-Butylbenzene
Concen: 0.79 ug/L
RT: 11.536 min Scan# 1714
Delta R.T. -0.000 min
Lab File: E0955.D
Acq: 8 May 2019 3:05 pm

Tgt Ion:119 Resp: 6997

Ion	Ratio	Lower	Upper
119	100		
134	23.6	3.6	43.6
103	6.7	0.0	26.6

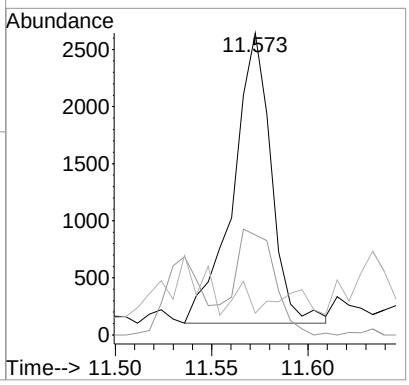


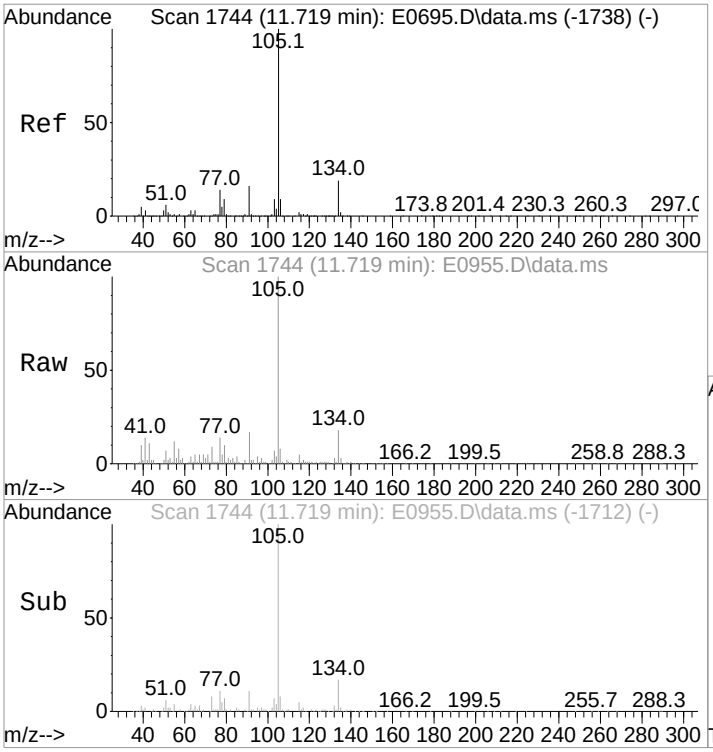


#100
1,2,4-Trimethylbenzene
Concen: 0.34 ug/L
RT: 11.573 min Scan# 1720
Delta R.T. -0.000 min
Lab File: E0955.D
Acq: 8 May 2019 3:05 pm

Tgt Ion:105 Resp: 3508

Ion	Ratio	Lower	Upper
105	100		
120	33.1	25.8	65.8
65	7.2	0.0	25.1

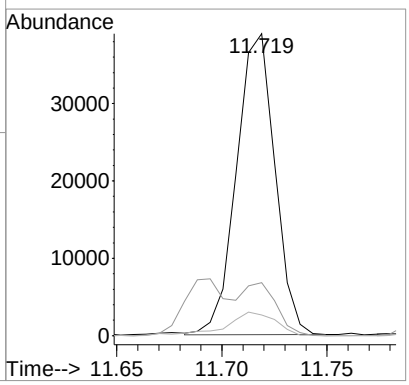


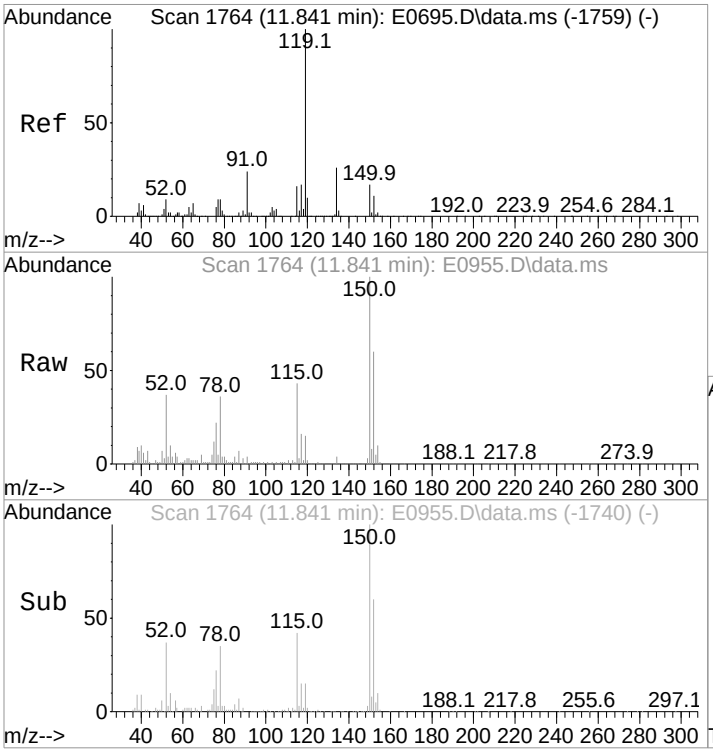


#102
sec-Butylbenzene
Concen: 3.68 ug/L
RT: 11.719 min Scan# 1744
Delta R.T. -0.000 min
Lab File: E0955.D
Acq: 8 May 2019 3:05 pm

Tgt Ion:105 Resp: 49220

Ion	Ratio	Lower	Upper
105	100		
134	17.6	0.0	39.4
103	6.9	0.0	29.1

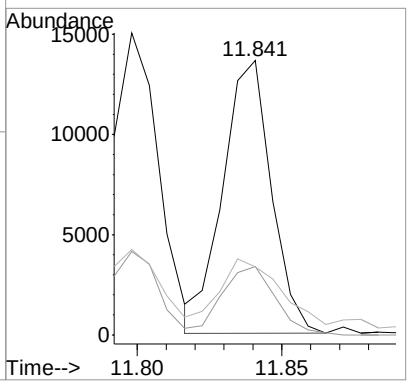


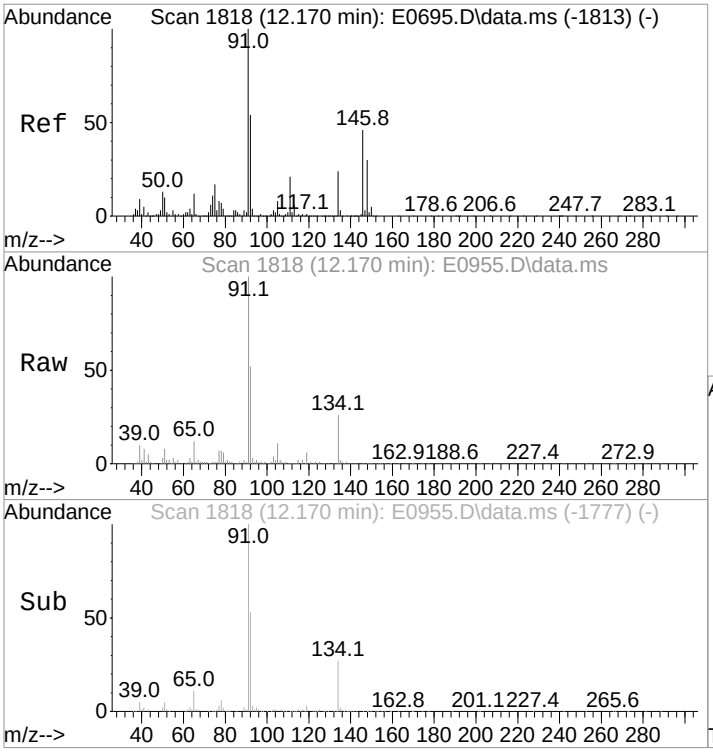


#103
p-Isopropyltoluene
Concen: 1.45 ug/L
RT: 11.841 min Scan# 1764
Delta R.T. -0.000 min
Lab File: E0955.D
Acq: 8 May 2019 3:05 pm

Tgt Ion:119 Resp: 15865

Ion	Ratio	Lower	Upper
119	100		
134	24.9	6.4	46.4
91	24.8	4.4	44.4

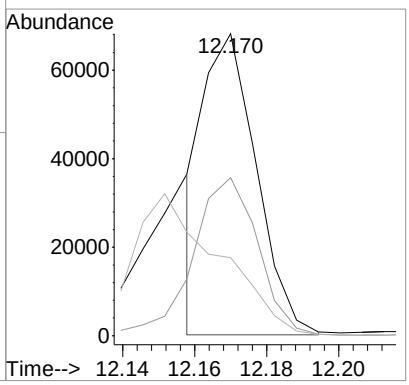


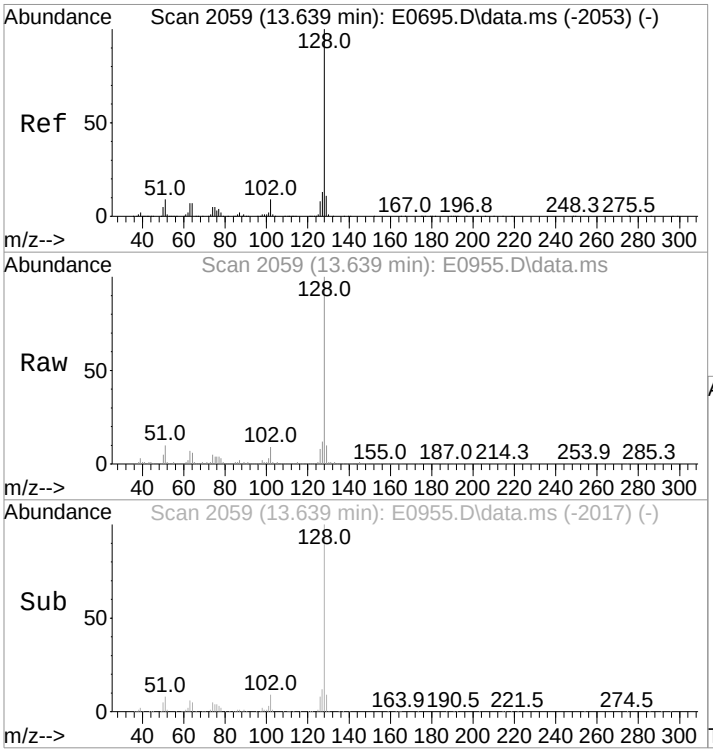


#108
n-Butylbenzene
Concen: 6.40 ug/L m
RT: 12.170 min Scan# 1818
Delta R.T. -0.000 min
Lab File: E0955.D
Acq: 8 May 2019 3:05 pm

Tgt Ion: 91 Resp: 69539

Ion	Ratio	Lower	Upper
91	100		
92	52.3	33.9	73.9
134	25.8	3.9	43.9

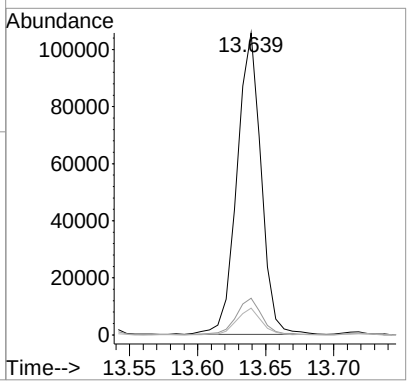




#116
Naphthalen
Concen: 11.36 ug/L
RT: 13.639 min Scan# 2059
Delta R.T. -0.000 min
Lab File: E0955.D
Acq: 8 May 2019 3:05 pm

Tgt Ion:128 Resp: 130782

Ion	Ratio	Lower	Upper
128	100		
127	12.2	0.0	33.4
102	8.9	0.0	28.9

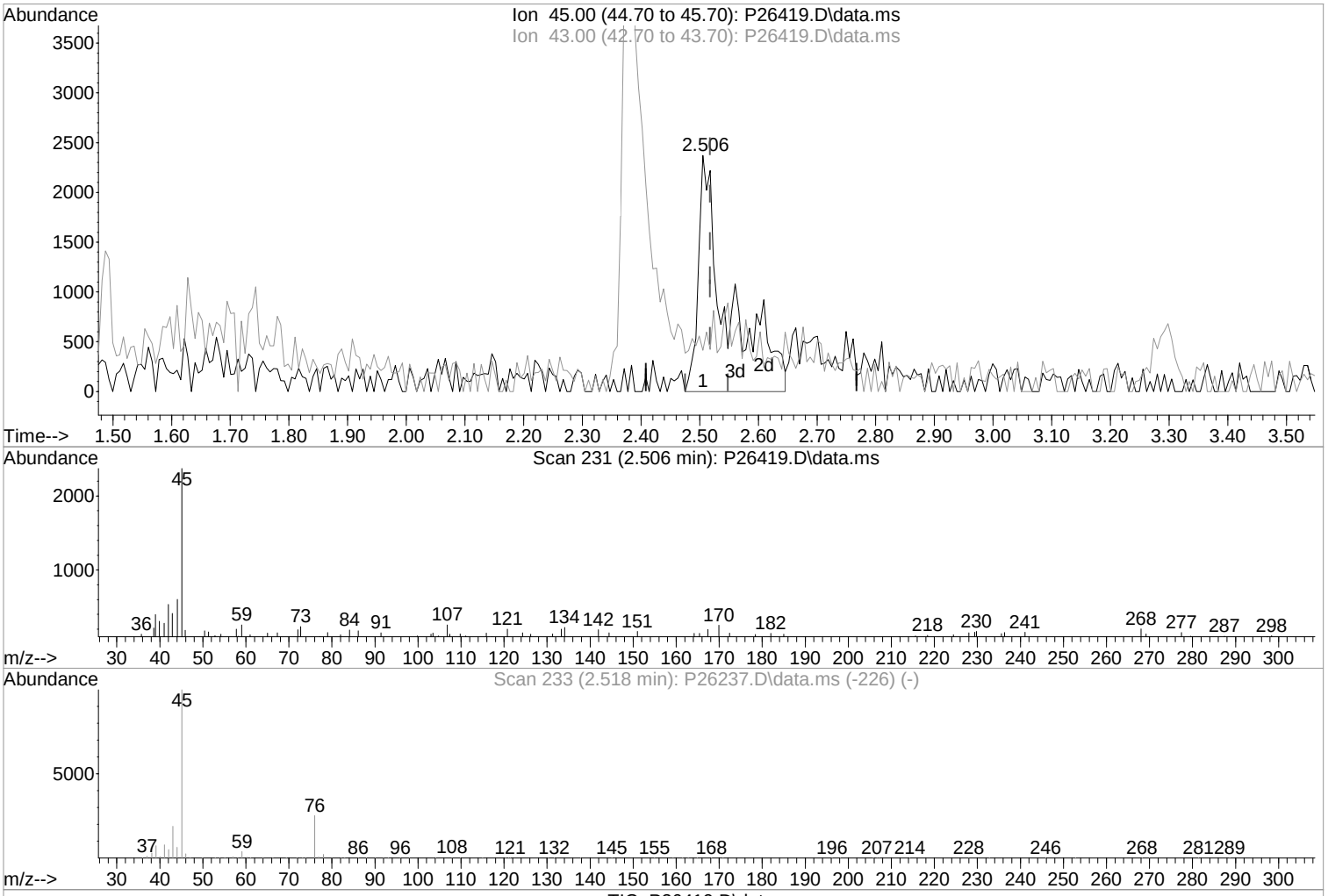


1st 05/07/19
2nd 05/08/19

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050619\
Data File : P26419.D
Acq On : 6 May 2019 6:25 pm
Operator : K.Ruest
Sample : R1903959-014|1.0 Inst : MSVOA-12
Misc : DAY 8260 T4
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 06 18:49:51 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu May 02 11:39:03 2019
Response via : Initial Calibration



TIC: P26419.D\data.ms

(16) 2-Propanol

2.506min (-0.012) 22.48 ppb m

response 8169

Ion	Exp%	Act%
45.00	100	100
43.00	19.10	17.45
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

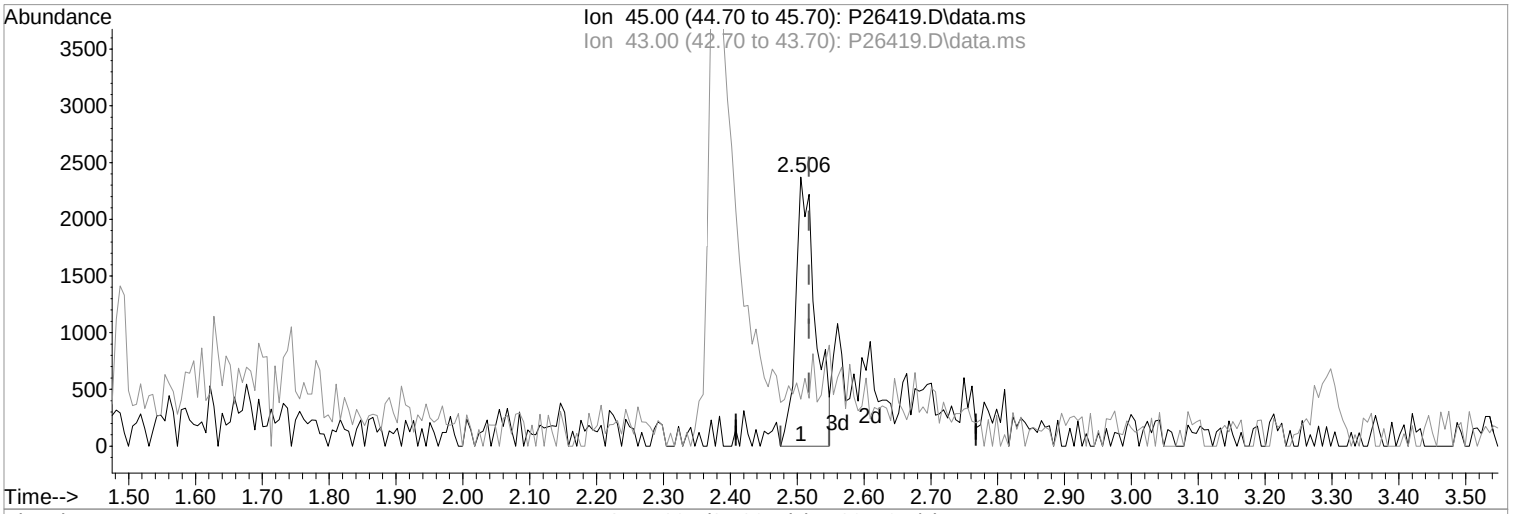
05/07/19

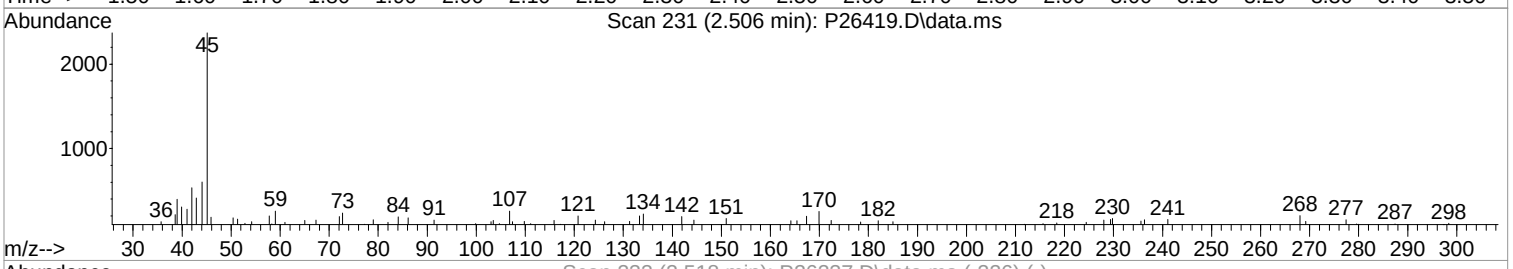
1st 05/07/19
2nd 05/08/19

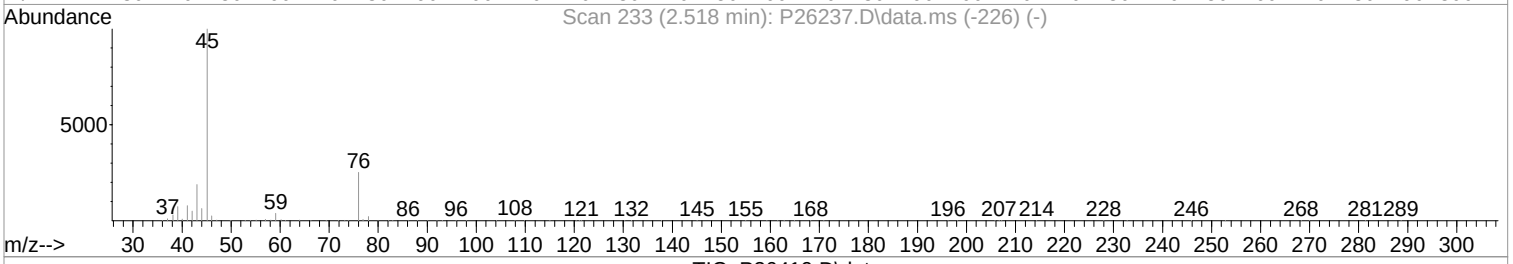
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050619\
Data File : P26419.D
Acq On : 6 May 2019 6:25 pm
Operator : K.Ruest
Sample : R1903959-014|1.0 Inst : MSVOA-12
Misc : DAY 8260 T4
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 06 18:49:51 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu May 02 11:39:03 2019
Response via : Initial Calibration







TIC: P26419.D\data.ms

(16) 2-Propanol

2.506min (-0.012) 13.25 ppb

response 4815

Ion	Exp%	Act%
45.00	100	100
43.00	19.10	17.45
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

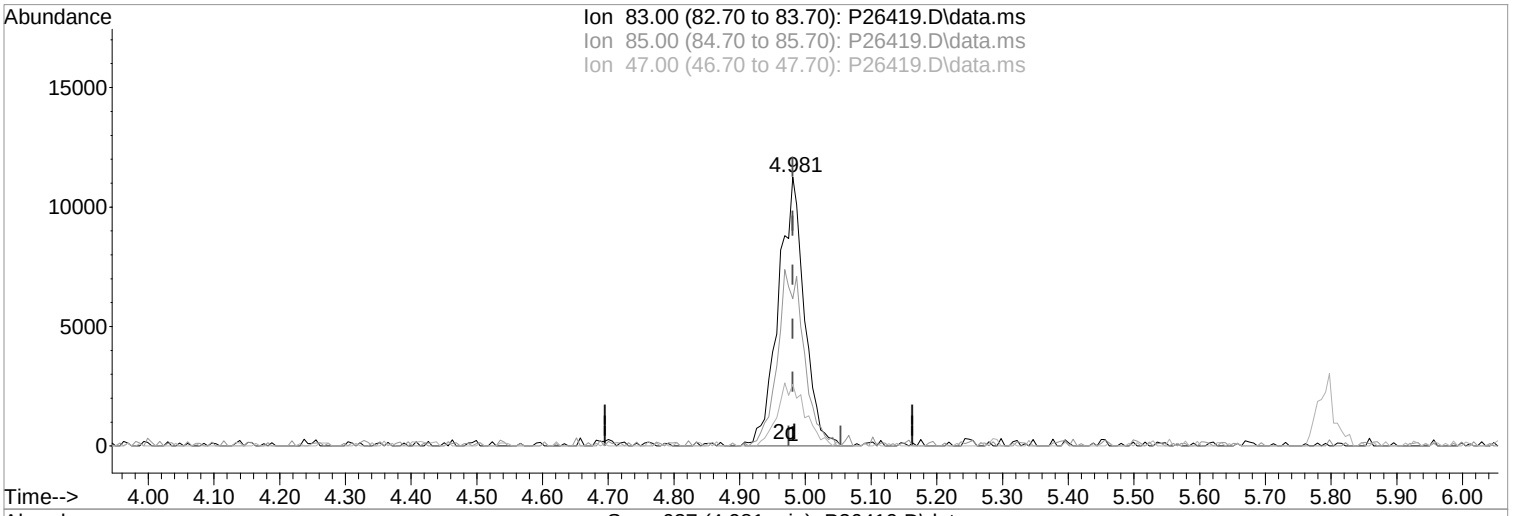
05/07/19

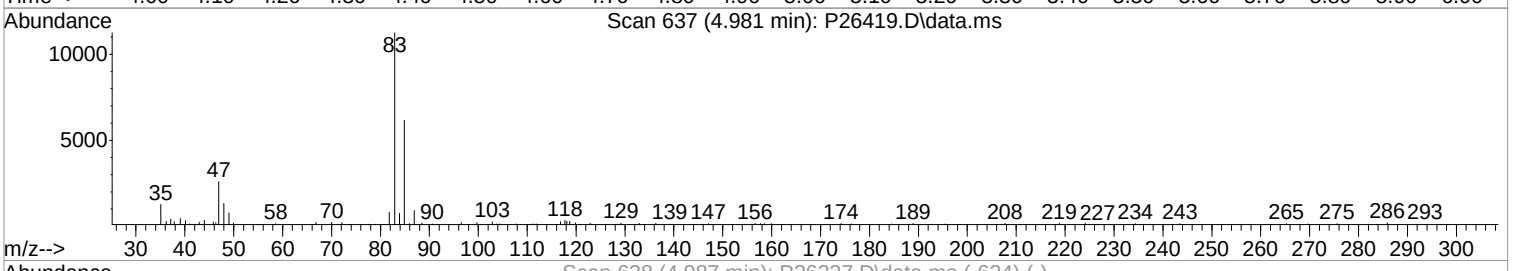
1st 05/07/19
2nd 05/08/19

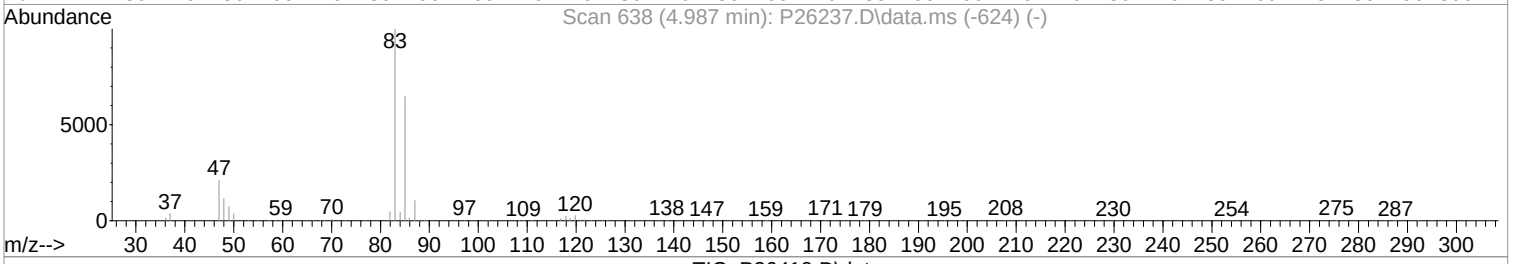
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050619\
Data File : P26419.D
Acq On : 6 May 2019 6:25 pm
Operator : K.Ruest
Sample : R1903959-014|1.0 Inst : MSVOA-12
Misc : DAY 8260 T4
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 06 18:49:51 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu May 02 11:39:03 2019
Response via : Initial Calibration







TIC: P26419.D\data.ms

(40) Chloroform (P)

4.981min (-0.000) 5.72 ppb m

response 30915

Ion	Exp%	Act%
83.00	100	100
85.00	64.80	54.79
47.00	21.20	22.95
0.00	0.00	0.00

Manual Integration:

After

Split Peak

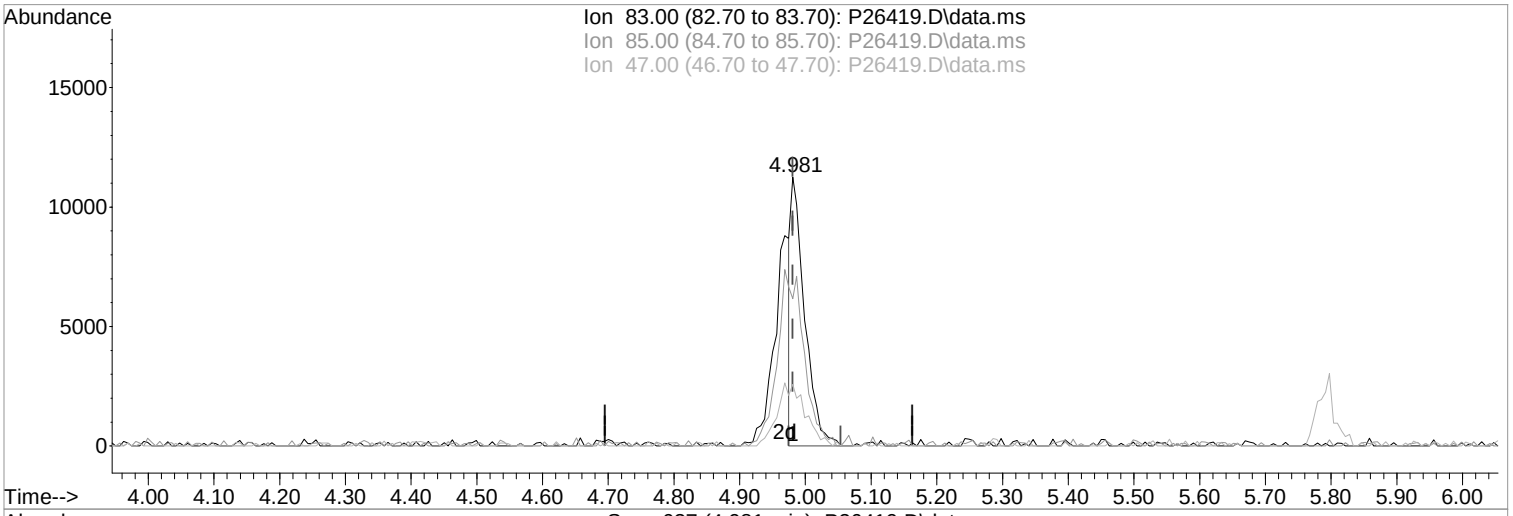
05/07/19

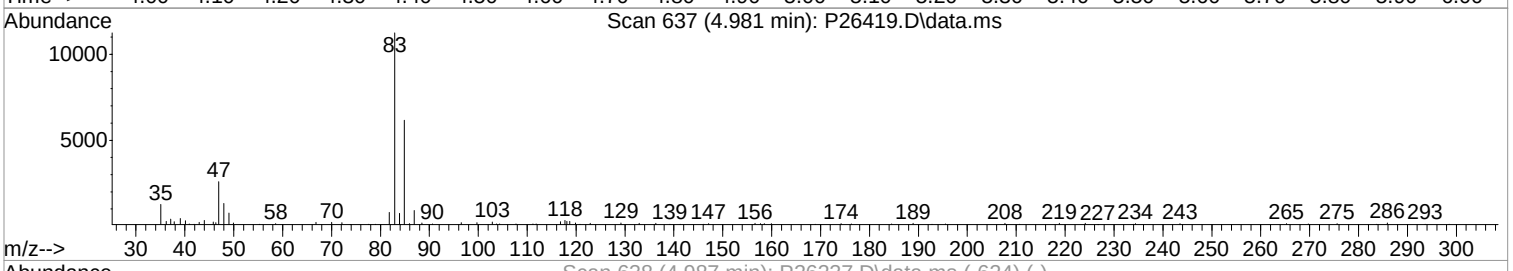
1st 05/07/19
2nd 05/08/19

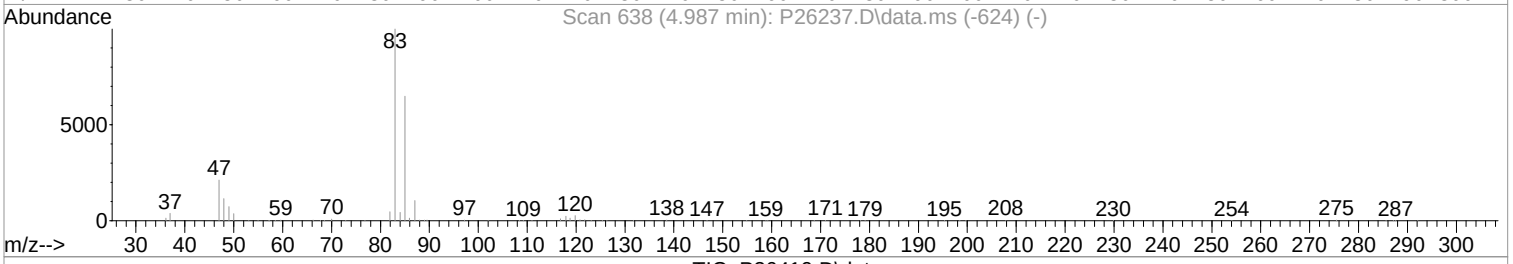
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050619\
Data File : P26419.D
Acq On : 6 May 2019 6:25 pm
Operator : K.Ruest
Sample : R1903959-014|1.0 Inst : MSVOA-12
Misc : DAY 8260 T4
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 06 18:49:51 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu May 02 11:39:03 2019
Response via : Initial Calibration







TIC: P26419.D\data.ms

(40) Chloroform (P)

4.981min (-0.000) 3.00 ppb

response 16240

Ion	Exp%	Act%
83.00	100	100
85.00	64.80	54.79
47.00	21.20	22.95
0.00	0.00	0.00

Manual Integration:

Before

05/07/19

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\050619\
Data File : P26419.D
Acq On : 6 May 2019 6:25 pm
Operator : K.Ruest
Sample : R1903959-014|1.0 Inst : MSVOA-12
Misc : DAY 8260 T4
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 07 14:20:31 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu May 02 11:39:03 2019
Response via : Initial Calibration

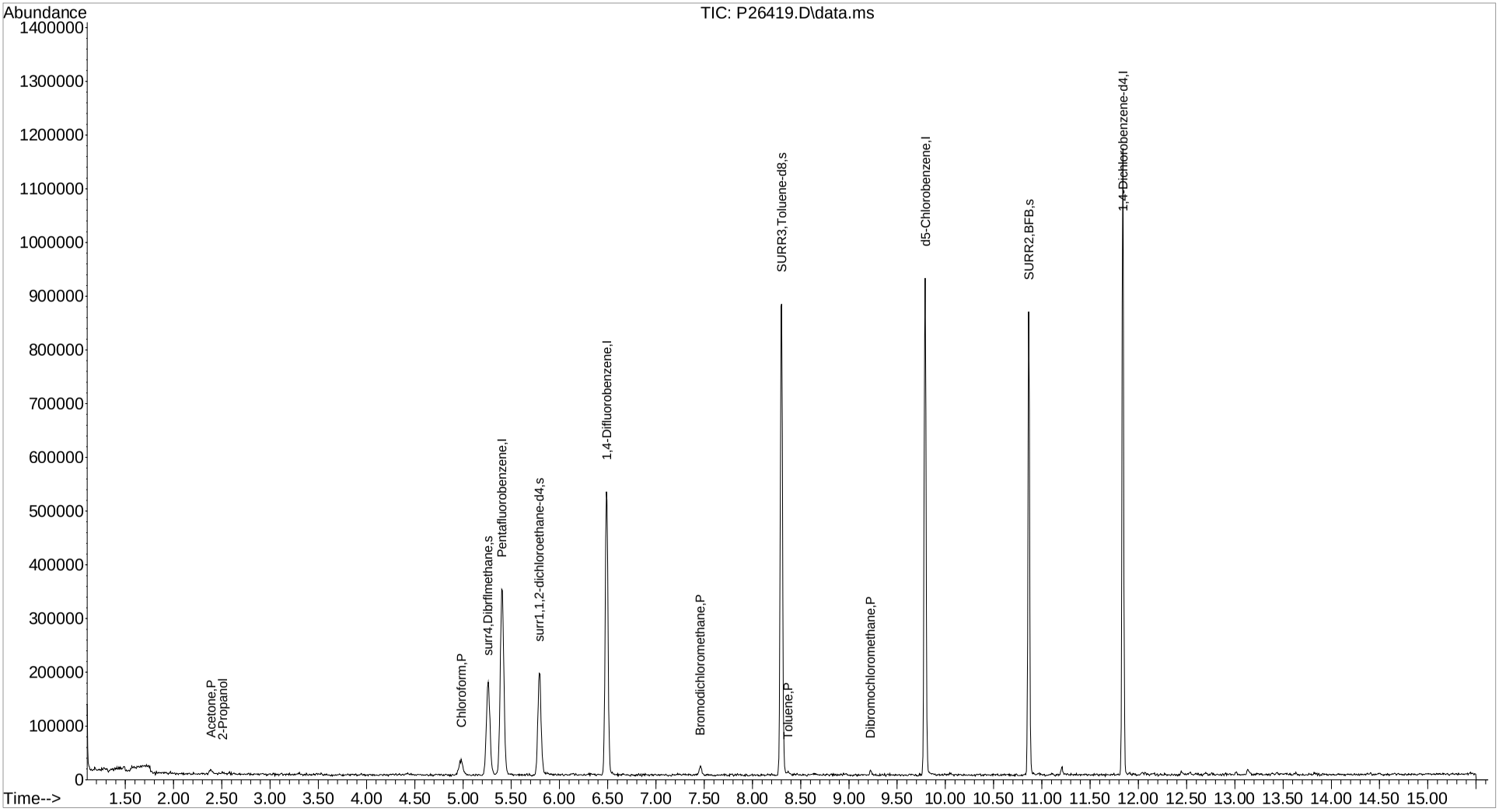
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.401	168	341717	50.00	ppb	0.00
43) 1,4-Difluorobenzene	6.486	114	492577	50.00	ppb	0.00
71) d5-Chlorobenzene	9.791	117	441061	50.00	ppb	0.00
86) 1,4-Dichlorobenzene-d4	11.839	152	242975	50.00	ppb	0.00
System Monitoring Compounds						
45) surr4,Dibrflmethane	5.255	113	140686	49.68	ppb	-0.01
Spiked Amount 50.000	Range 89 - 119		Recovery = 99.36%			
48) surr1,1,2-dichloroetha...	5.792	65	168798	54.63	ppb	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 109.26%			
65) SURR3,Toluene-d8	8.303	98	591032	50.27	ppb	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 100.54%			
70) SURR2,BFB	10.864	95	218078	47.46	ppb	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 94.92%			
Target Compounds						Qvalue
15) Acetone	2.384	43	14179	8.69	ppb	82
16) 2-Propanol	2.506	45	8169m	22.48	ppb	
40) Chloroform	4.981	83	30915m	5.72	ppb	
60) Bromodichloromethane	7.456	83	9245	2.18	ppb	98
66) Toluene	8.370	91	3177	0.22	ppb	99
75) Dibromochloromethane	9.224	129	3004	0.78	ppb	89

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

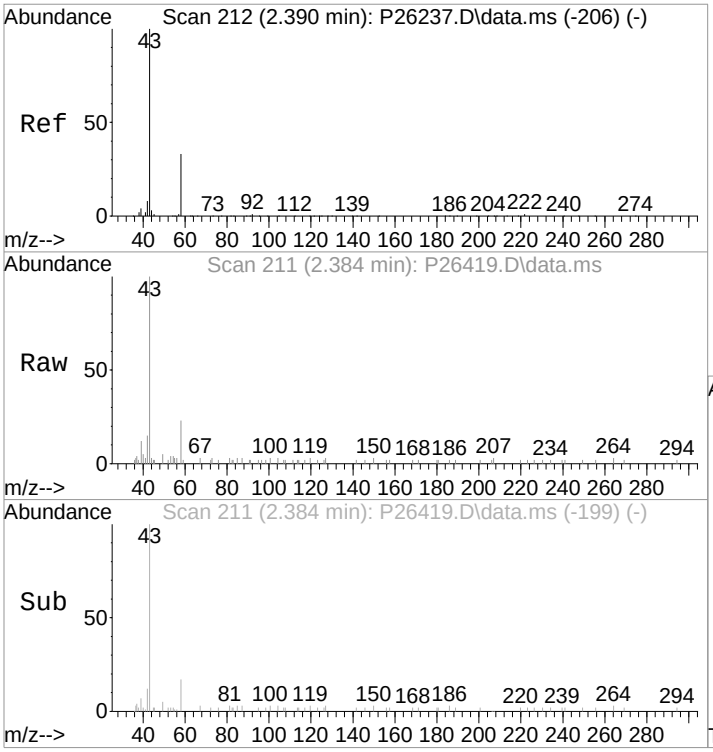
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\050619\
Data File : P26419.D
Acq On : 6 May 2019 6:25 pm
Operator : K.Ruest
Sample : R1903959-014|1.0 Inst : MSVOA-12
Misc : DAY 8260 T4
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 07 14:20:31 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu May 02 11:39:03 2019
Response via : Initial Calibration



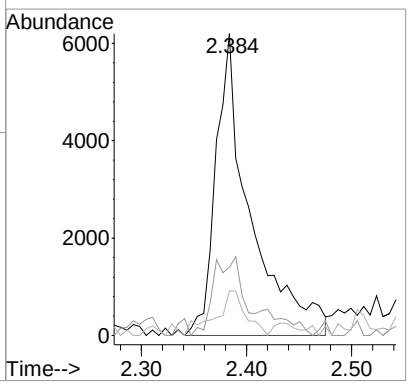
1st 05/07/19
2nd 05/08/19

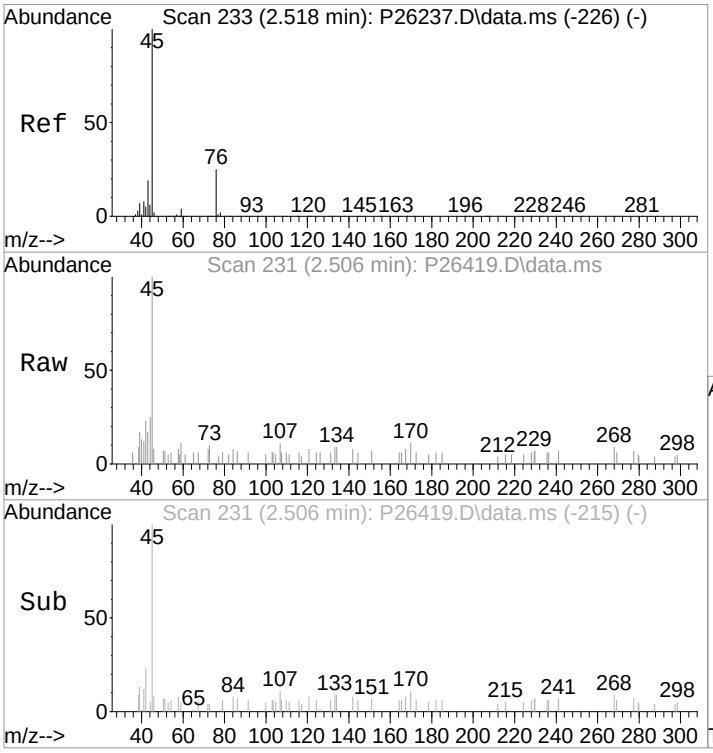


#15
Acetone
Concen: 8.69 ppb
RT: 2.384 min Scan# 211
Delta R.T. 0.001 min
Lab File: P26419.D
Acq: 6 May 2019 6:25 pm

Tgt Ion: 43 Resp: 14179

Ion	Ratio	Lower	Upper
43	100		
58	22.6	13.1	53.1
42	14.7	0.0	28.3

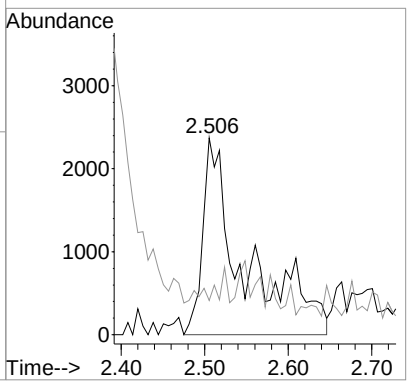


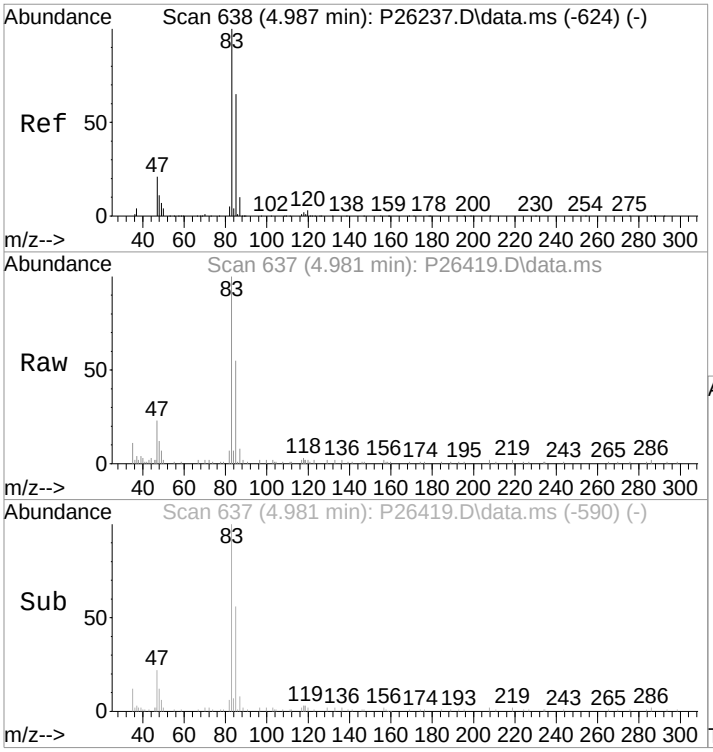


#16
2-Propanol
Concen: 22.48 ppb m
RT: 2.506 min Scan# 231
Delta R.T. -0.012 min
Lab File: P26419.D
Acq: 6 May 2019 6:25 pm

Tgt Ion: 45 Resp: 8169

Ion	Ratio	Lower	Upper
45	100		
43	17.5	0.0	39.1

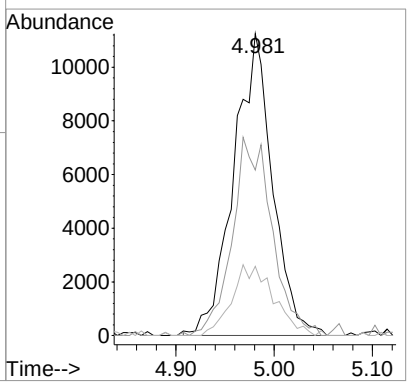


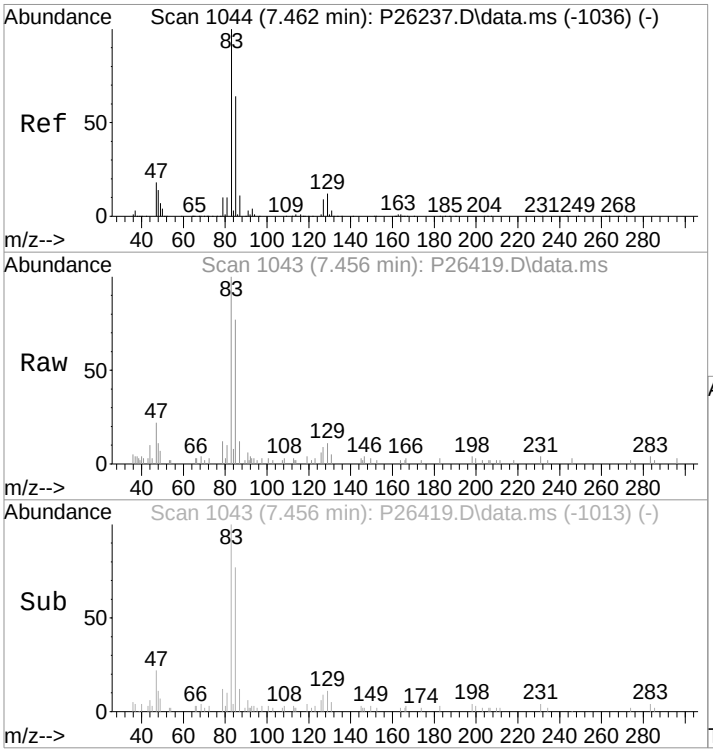


#40
Chloroform
Concen: 5.72 ppb m
RT: 4.981 min Scan# 637
Delta R.T. -0.000 min
Lab File: P26419.D
Acq: 6 May 2019 6:25 pm

Tgt Ion: 83 Resp: 30915

Ion	Ratio	Lower	Upper
83	100		
85	54.8	44.8	84.8
47	22.9	1.2	41.2

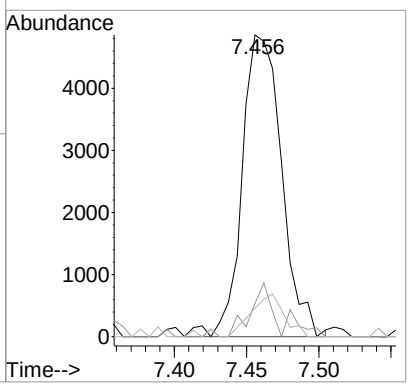


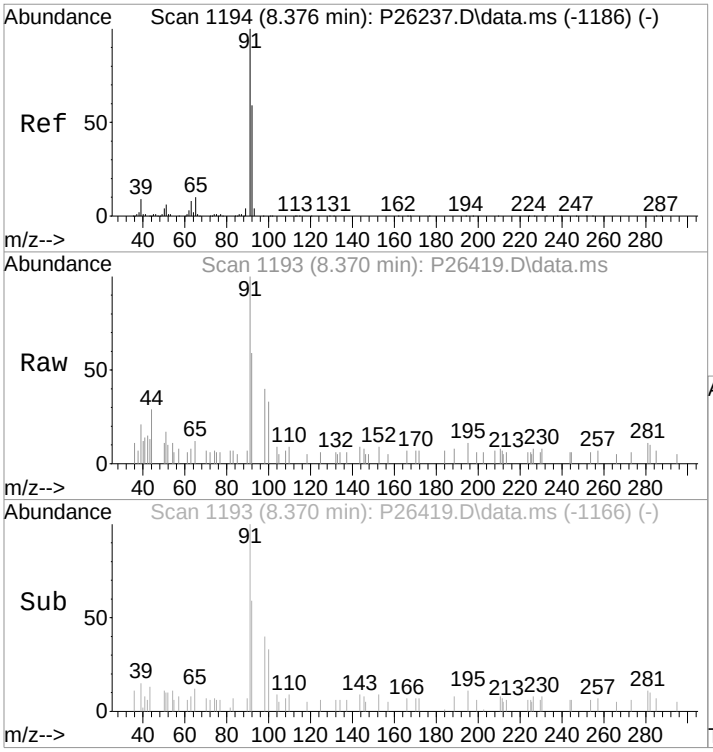


#60
Bromodichloromethane
Concen: 2.18 ppb
RT: 7.456 min Scan# 1043
Delta R.T. -0.006 min
Lab File: P26419.D
Acq: 6 May 2019 6:25 pm

Tgt Ion: 83 Resp: 9245

Ion	Ratio	Lower	Upper
83	100		
129	11.1	0.0	31.9
127	9.5	0.0	29.1

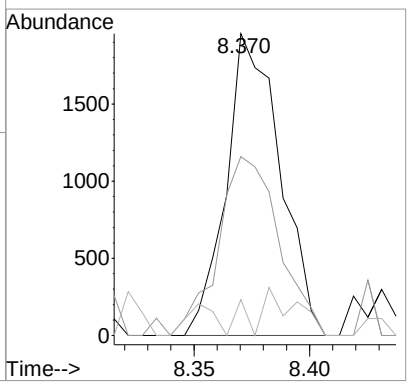


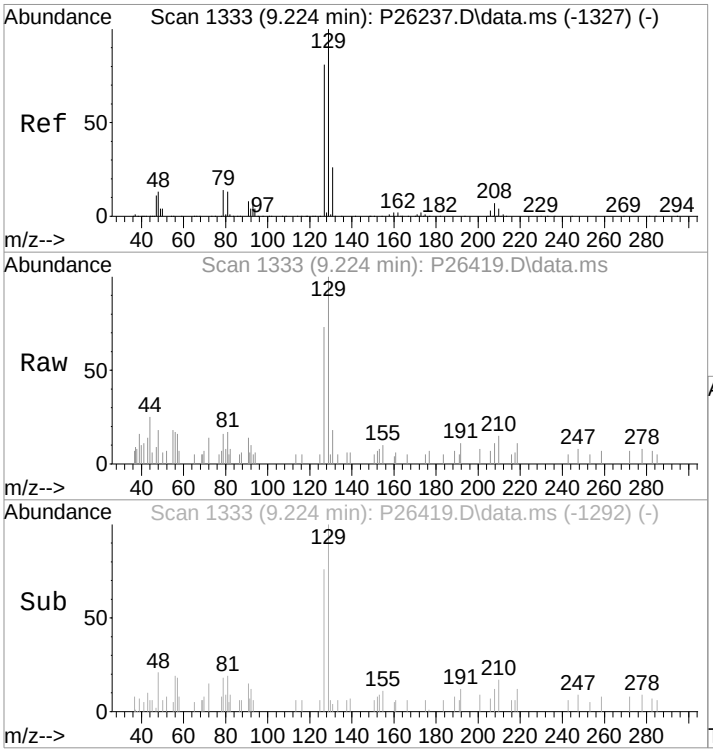


#66
Toluene
Concen: 0.22 ppb
RT: 8.370 min Scan# 1193
Delta R.T. -0.006 min
Lab File: P26419.D
Acq: 6 May 2019 6:25 pm

Tgt Ion: 91 Resp: 3177

Ion	Ratio	Lower	Upper
91	100		
92	59.2	39.4	79.4
65	11.9	0.0	30.4

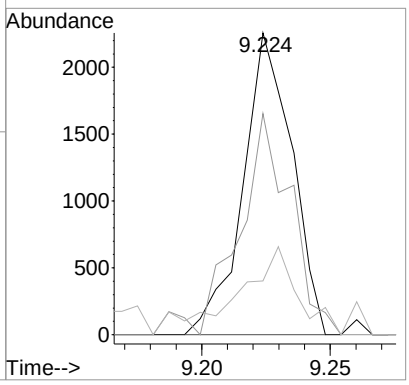




#75
Dibromochloromethane
Concen: 0.78 ppb
RT: 9.224 min Scan# 1333
Delta R.T. -0.000 min
Lab File: P26419.D
Acq: 6 May 2019 6:25 pm

Tgt Ion:129 Resp: 3004

Ion	Ratio	Lower	Upper
129	100		
127	73.3	61.3	101.3
131	17.8	6.1	46.1

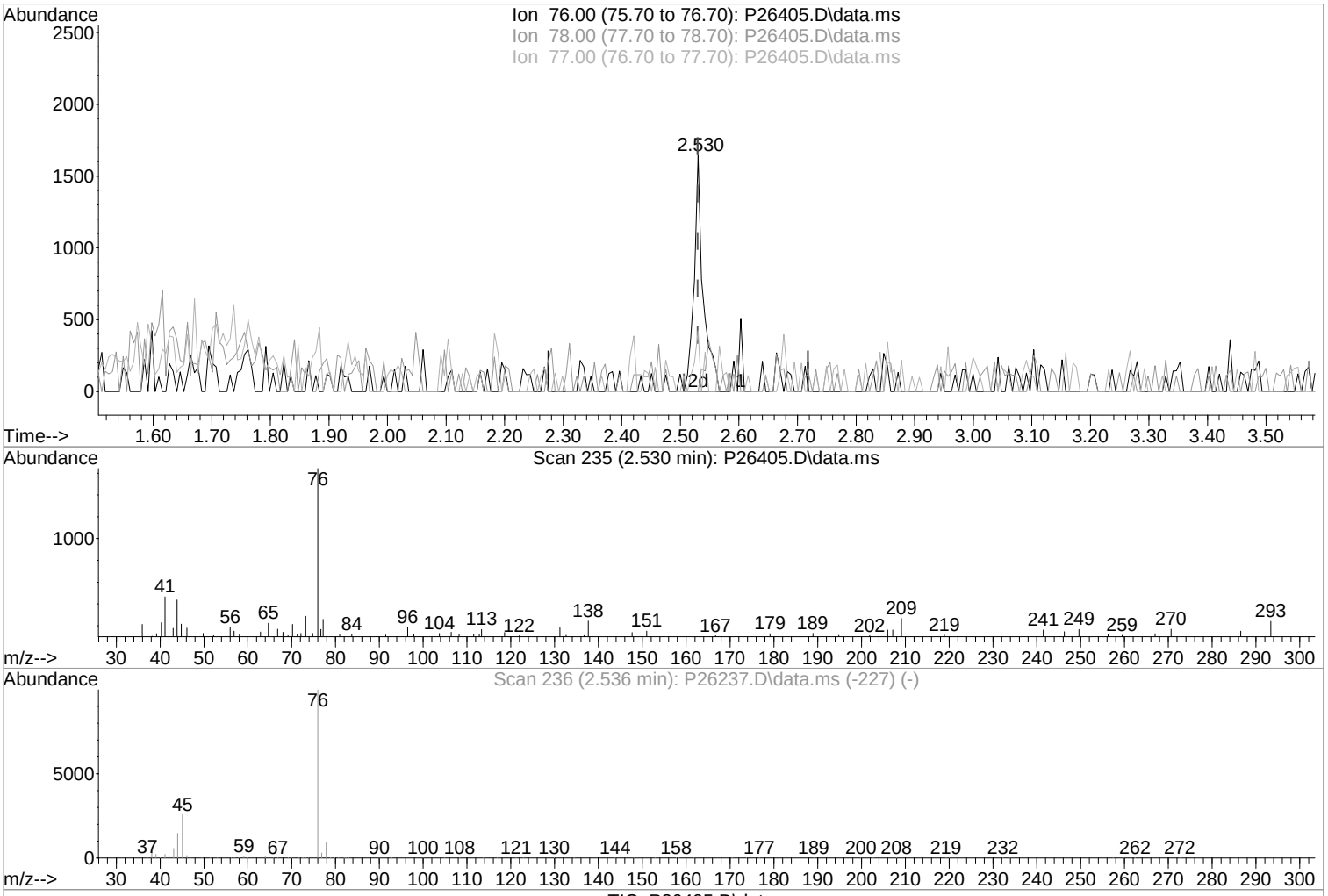


1st 05/06/19
2nd 05/08/19

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050619\
Data File : P26405.D
Acq On : 6 May 2019 1:01 pm
Operator : K.Ruest
Sample : VBLK Inst : MSVOA-12
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 06 13:23:05 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu May 02 11:39:03 2019
Response via : Initial Calibration



TIC: P26405.D\data.ms

(18) Carbon Disulfide (P)

2.530min (+0.000) 0.26 ppb m

response 1798

Ion	Exp%	Act%
76.00	100	100
78.00	9.30	0.00
77.00	2.90	15.75
0.00	0.00	0.00

Manual Integration:

After

Peak not found.

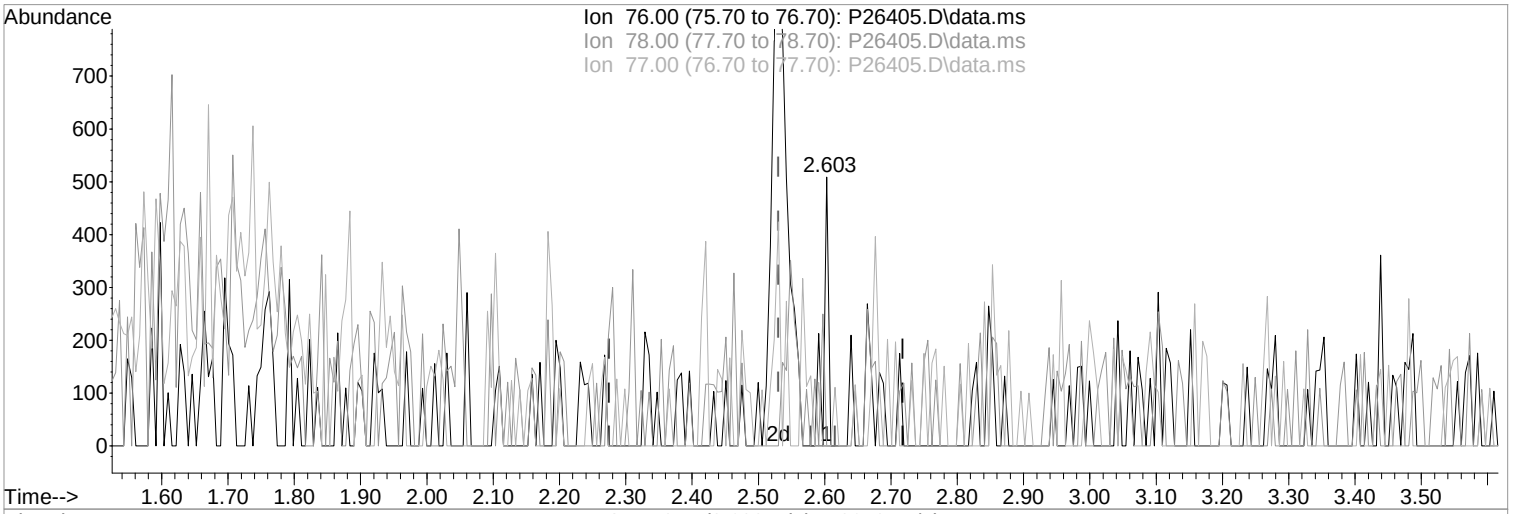
05/06/19

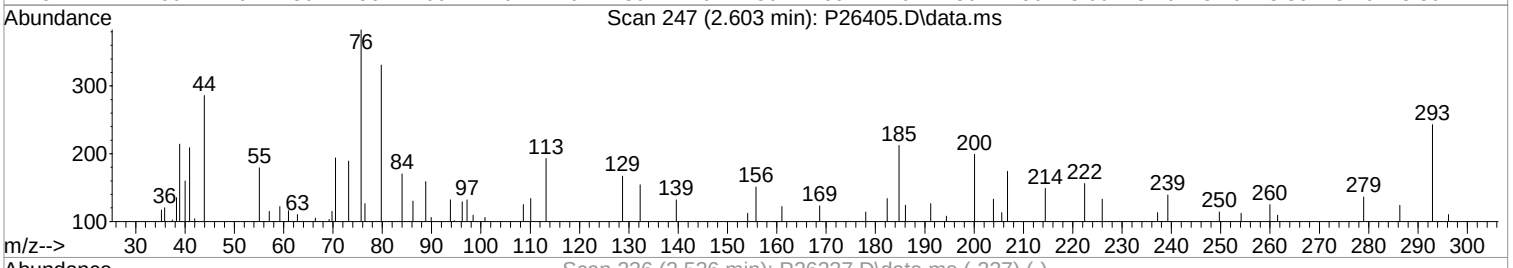
1st 05/06/19
2nd 05/08/19

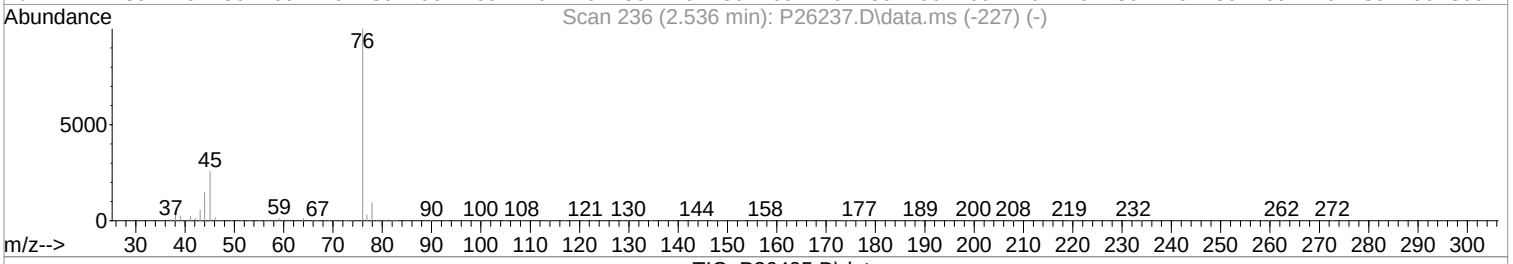
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050619\
Data File : P26405.D
Acq On : 6 May 2019 1:01 pm
Operator : K.Ruest
Sample : VBLK Inst : MSVOA-12
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 06 13:23:05 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu May 02 11:39:03 2019
Response via : Initial Calibration







TIC: P26405.D\data.ms

(18) Carbon Disulfide (P)

2.603min (+0.073) 0.04 ppb

response 264

Ion	Exp%	Act%
76.00	100	100
78.00	9.30	0.00
77.00	2.90	0.00
0.00	0.00	0.00

Manual Integration:

Before

05/06/19

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\050619\
Data File : P26405.D
Acq On : 6 May 2019 1:01 pm
Operator : K.Ruest
Sample : VBLK Inst : MSVOA-12
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 06 13:44:35 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu May 02 11:39:03 2019
Response via : Initial Calibration

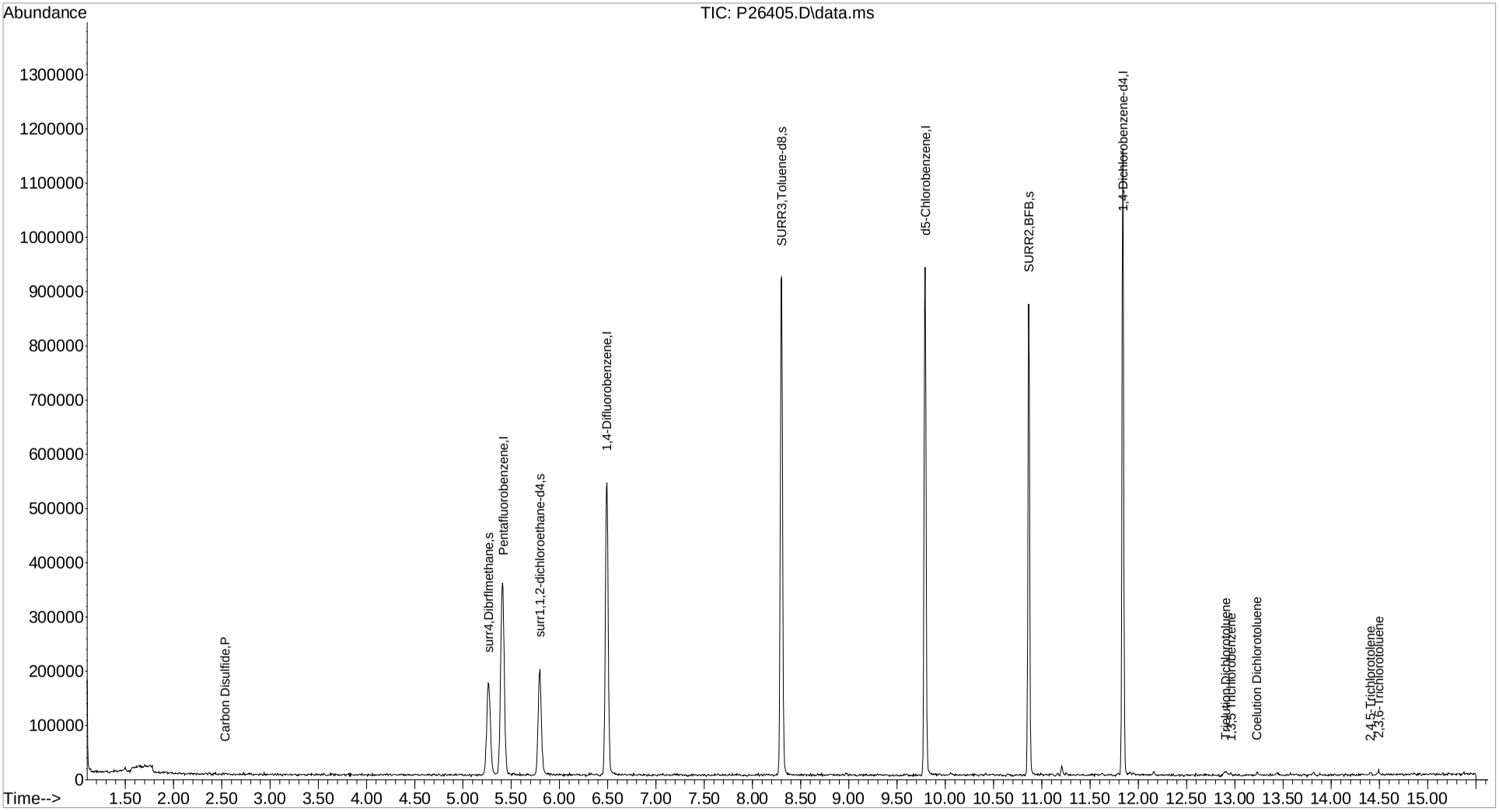
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.414	168	349136	50.00	ppb		0.00
43) 1,4-Difluorobenzene	6.493	114	505616	50.00	ppb		0.00
71) d5-Chlorobenzene	9.791	117	454074	50.00	ppb		0.00
86) 1,4-Dichlorobenzene-d4	11.839	152	240777	50.00	ppb		0.00
System Monitoring Compounds							
45) surr4,Dibrflmethane	5.267	113	143359	49.32	ppb		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 98.64%				
48) surr1,1,2-dichloroetha...	5.798	65	169126	53.33	ppb		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 106.66%				
65) SURR3,Toluene-d8	8.303	98	608744	50.44	ppb		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 100.88%				
70) SURR2,BFB	10.864	95	225952	47.91	ppb		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 95.82%				
Target Compounds							Qvalue
18) Carbon Disulfide	2.530	76	1798m	0.26	ppb		
112) Trielution Dichlorotol...	12.906	125	2945	0.43	ppb	#	85
113) 1,3,5 Trichlorobenzene	12.961	180	1347	0.21	ppb	#	74
114) Coelution Dichlorotoluene	13.229	125	2236	0.29	ppb		93
119) 2,4,5-Trichlorotolene	14.406	159	1091	0.25	ppb	#	57
120) 2,3,6-Trichlorotoluene	14.491	159	1032	0.20	ppb	#	80

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\050619\
Data File : P26405.D
Acq On : 6 May 2019 1:01 pm
Operator : K.Ruest
Sample : VBLK Inst : MSVOA-12
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 06 13:44:35 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu May 02 11:39:03 2019
Response via : Initial Calibration



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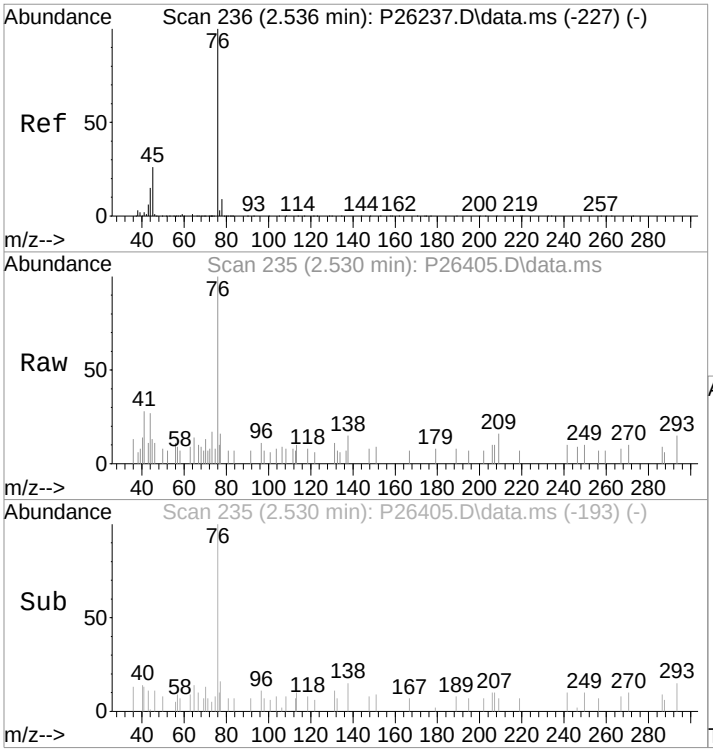
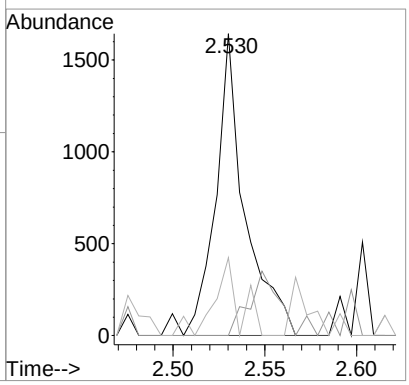
1st 05/06/19
2nd 05/08/19

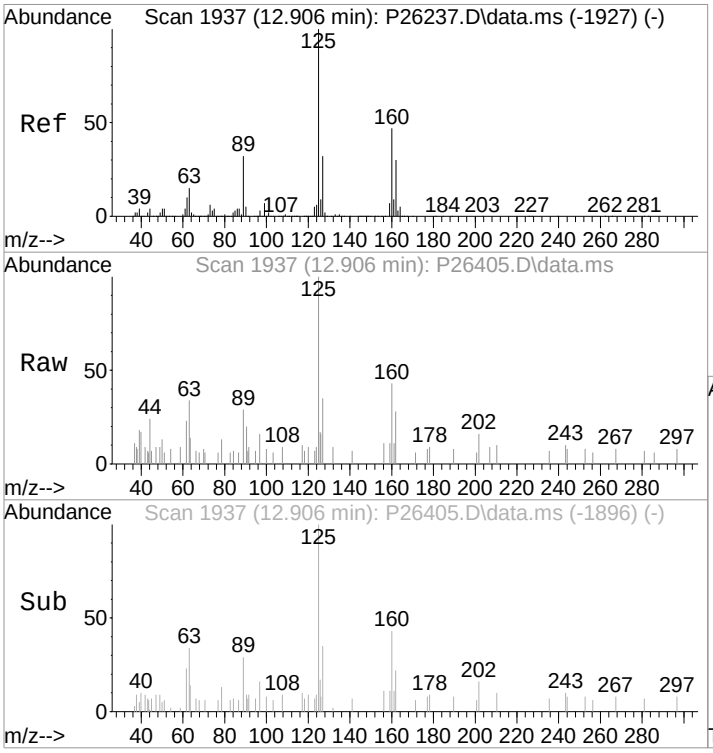


#18
Carbon Disulfide
Concen: 0.26 ppb m
RT: 2.530 min Scan# 235
Delta R.T. 0.000 min
Lab File: P26405.D
Acq: 6 May 2019 1:01 pm

Tgt Ion: 76 Resp: 1798

Ion	Ratio	Lower	Upper
76	100		
78	0.0	0.0	29.3
77	15.8	0.0	22.9

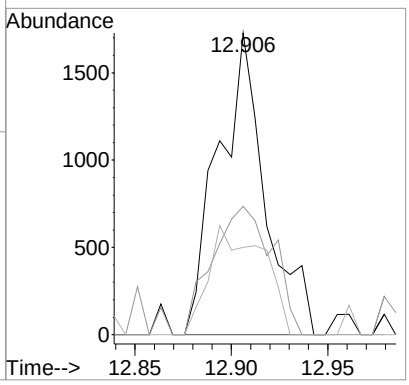


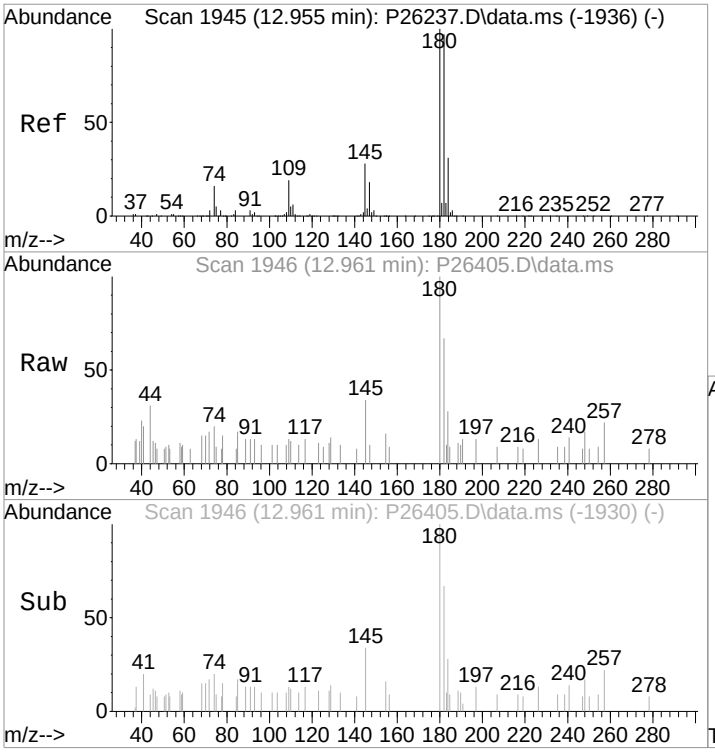


#112
Trielution Dichlorotoluene
Concen: 0.43 ppb
RT: 12.906 min Scan# 1937
Delta R.T. 0.000 min
Lab File: P26405.D
Acq: 6 May 2019 1:01 pm

Tgt Ion:125 Resp: 2945

Ion	Ratio	Lower	Upper
125	100		
160	36.3	37.7	56.5#
89	24.7	25.4	38.2#

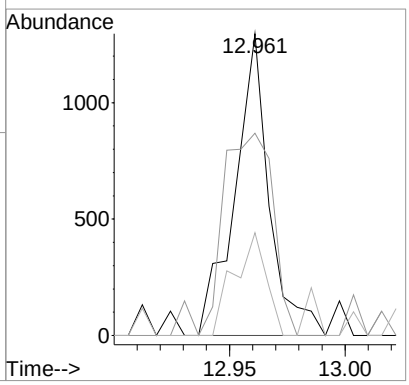


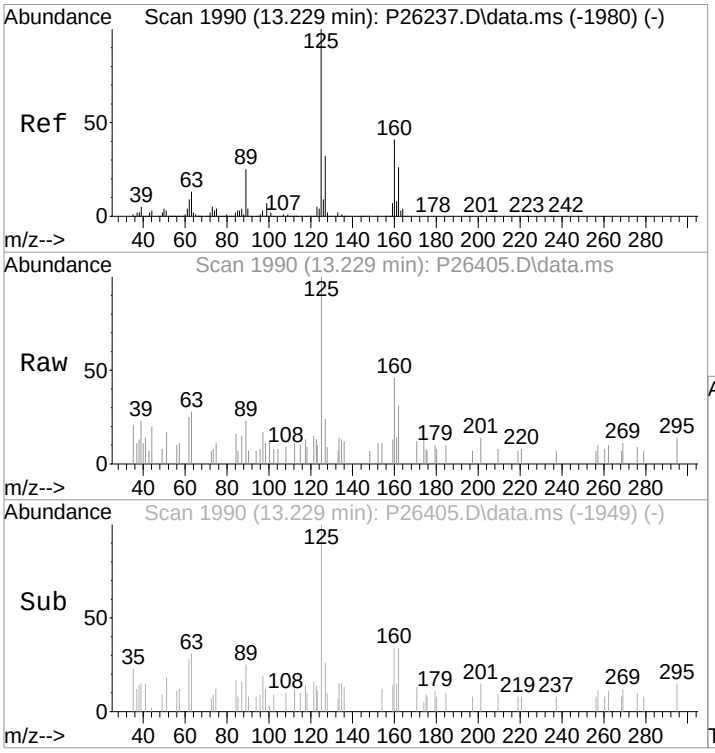


#113
1,3,5 Trichlorobenzene
Concen: 0.21 ppb
RT: 12.961 min Scan# 1946
Delta R.T. 0.006 min
Lab File: P26405.D
Acq: 6 May 2019 1:01 pm

Tgt Ion:180 Resp: 1347

Ion	Ratio	Lower	Upper
180	100		
182	67.0	77.6	116.4#
145	34.1	22.2	33.2#

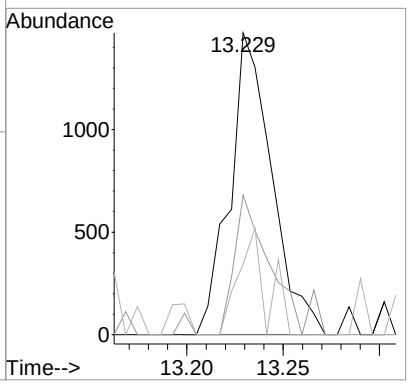


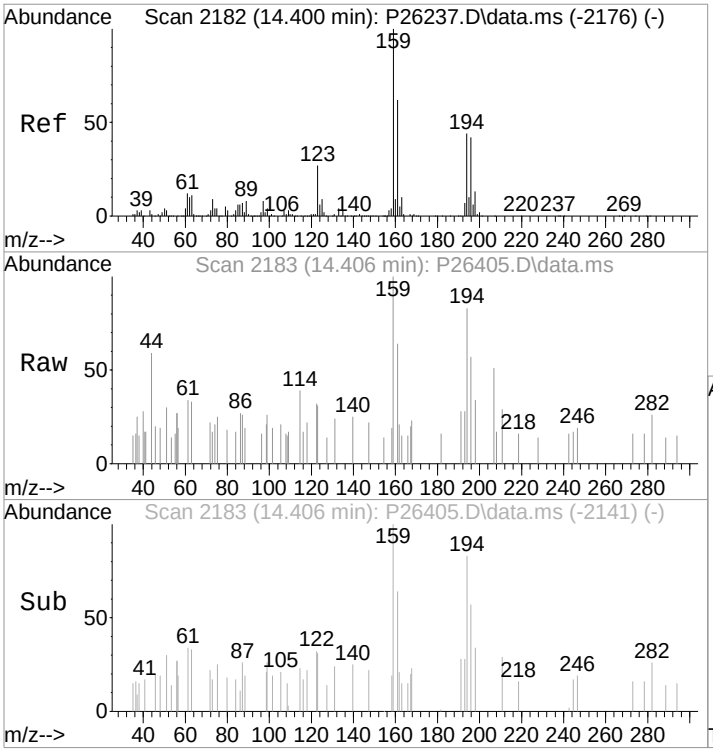


#114
Coelution Dichlorotoluene
Concen: 0.29 ppb
RT: 13.229 min Scan# 1990
Delta R.T. 0.000 min
Lab File: P26405.D
Acq: 6 May 2019 1:01 pm

Tgt Ion:125 Resp: 2236

Ion	Ratio	Lower	Upper
125	100		
160	46.2	32.6	48.8
89	23.4	20.4	30.6

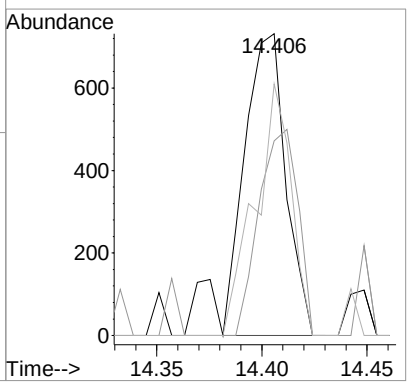


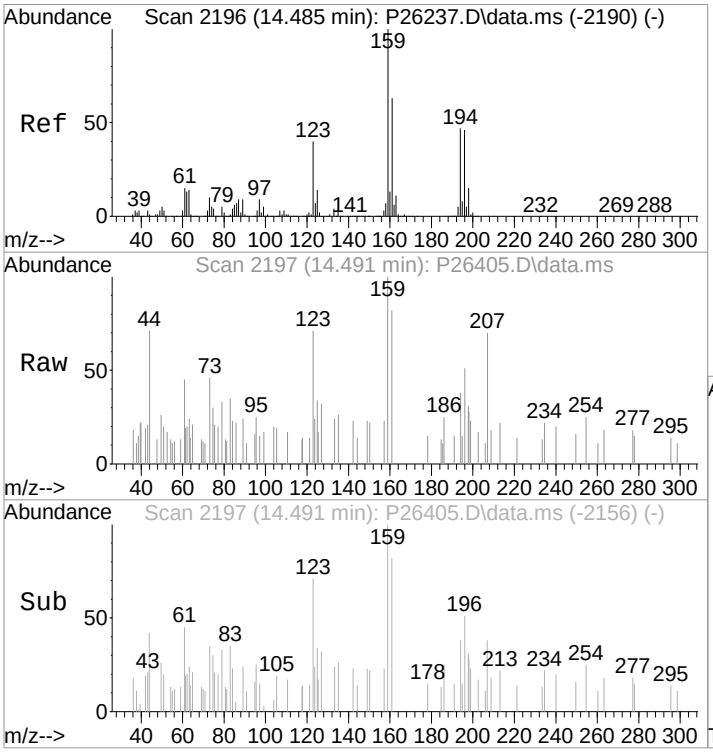


#119
2,4,5-Trichlorotolene
Concen: 0.25 ppb
RT: 14.406 min Scan# 2183
Delta R.T. 0.006 min
Lab File: P26405.D
Acq: 6 May 2019 1:01 pm

Tgt Ion:159 Resp: 1091

Ion	Ratio	Lower	Upper
159	100		
161	85.8	49.4	74.2#
194	83.3	35.6	53.4#

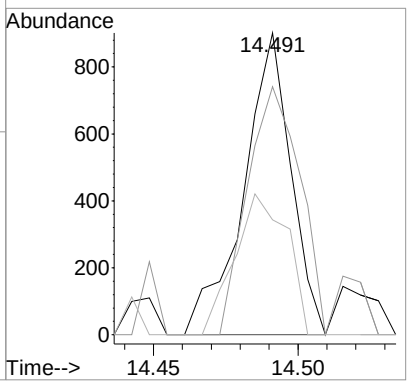




#120
2,3,6-Trichlorotoluene
Concen: 0.20 ppb
RT: 14.491 min Scan# 2197
Delta R.T. 0.000 min
Lab File: P26405.D
Acq: 6 May 2019 1:01 pm

Tgt Ion:159 Resp: 1032

Ion	Ratio	Lower	Upper
159	100		
161	82.2	50.5	75.7#
194	38.0	38.0	57.0

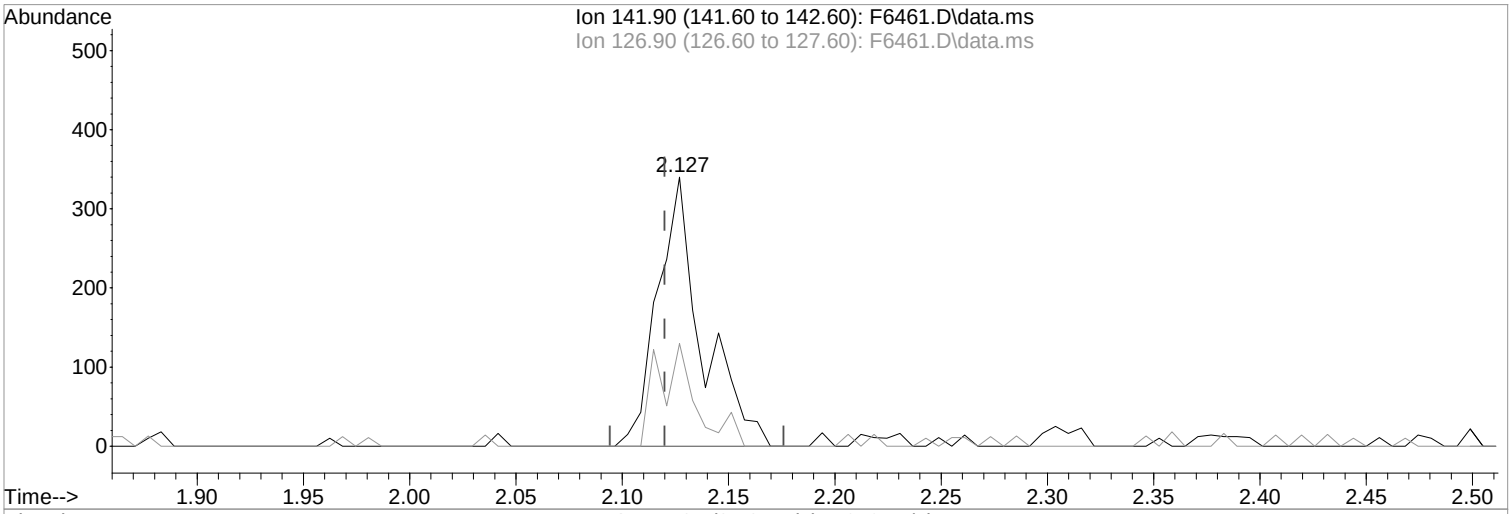


1st FW 05/06/19
2nd 05/08/19

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\050419\
Data File : F6461.D
Acq On : 4 May 2019 5:52 pm
Operator : F.NAEGLER
Sample : MBLK Inst : MSVOA14
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 06 08:37:14 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
Quant Title : MS#14 - 8260 SOILS 10ml PURGE
QLast Update : Mon Apr 22 10:00:17 2019
Response via : Initial Calibration



TIC: F6461.D\data.ms

(17) Iodomethane

2.127min (+0.007) 1.12 ug/L m

response 495

Ion	Exp%	Act%
141.90	100	100
126.90	44.50	38.24
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

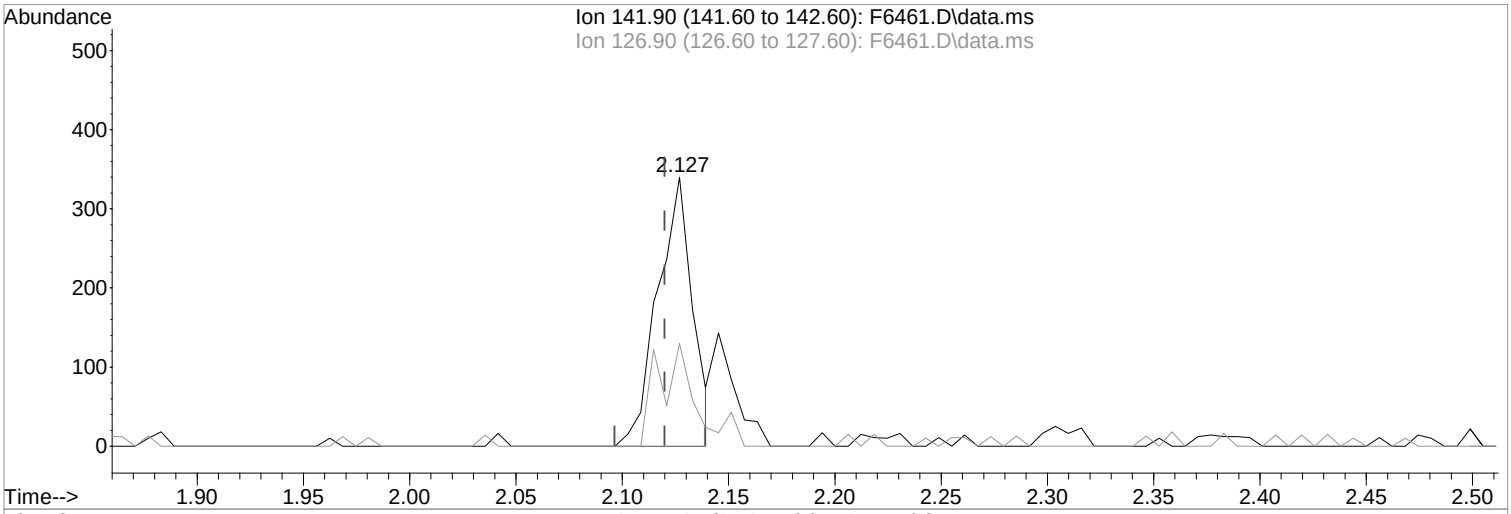
05/06/19

1st FW 05/06/19
2nd 05/08/19

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\050419\
Data File : F6461.D
Acq On : 4 May 2019 5:52 pm
Operator : F.NAEGLER
Sample : MBLK Inst : MSVOA14
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 06 08:37:14 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
Quant Title : MS#14 - 8260 SOILS 10ml PURGE
QLast Update : Mon Apr 22 10:00:17 2019
Response via : Initial Calibration



TIC: F6461.D\data.ms

(17) Iodomethane

2.127min (+0.007) 1.10 ug/L

response 389

Ion	Exp%	Act%
141.90	100	100
126.90	44.50	38.24
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

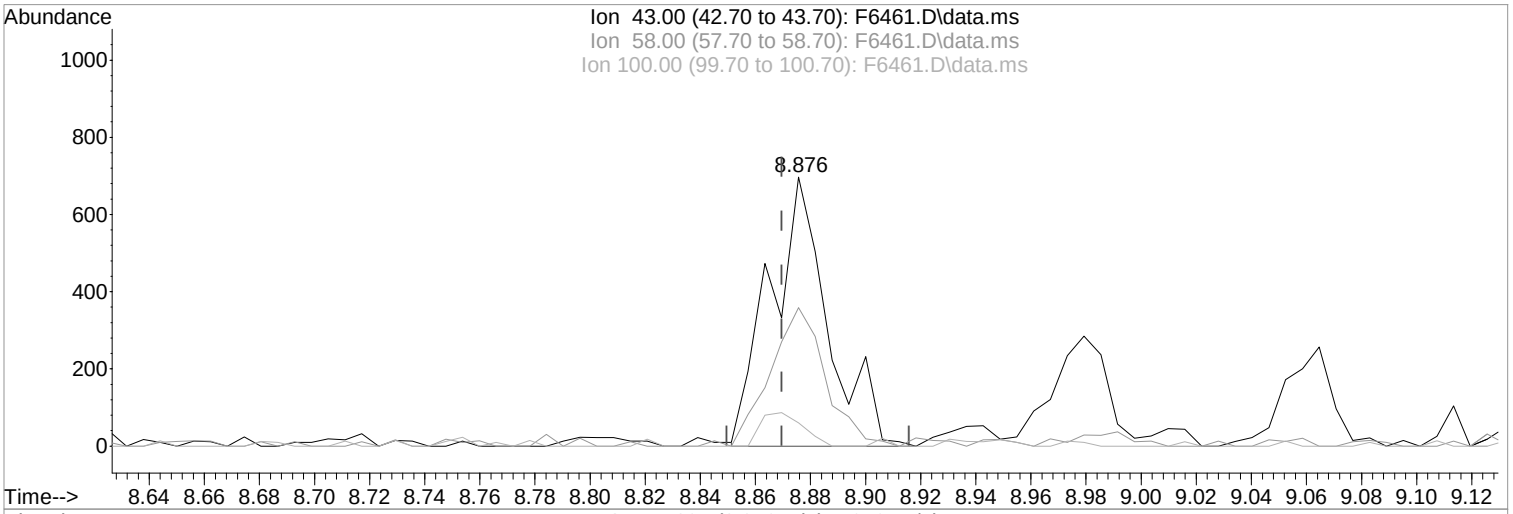
05/06/19

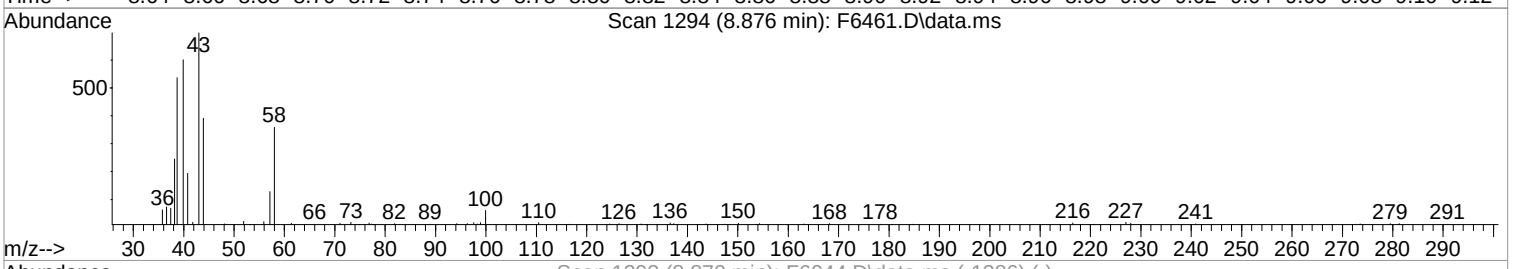
1st FW 05/06/19
2nd WR 05/08/19

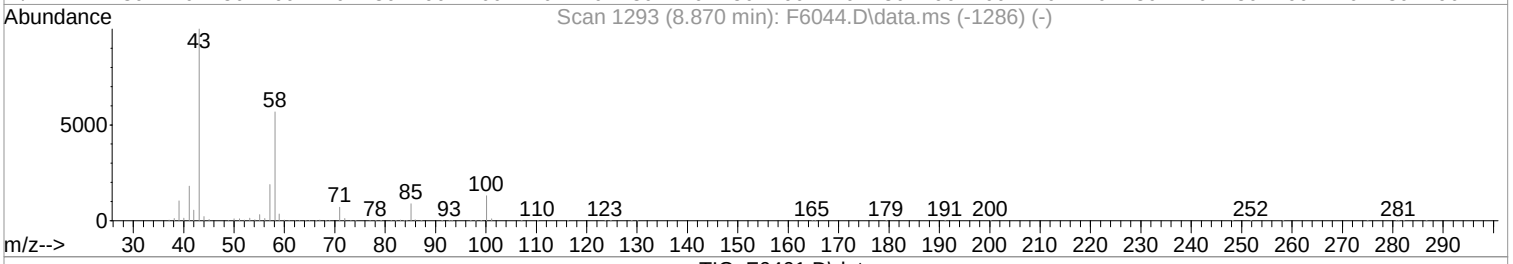
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\050419\
Data File : F6461.D
Acq On : 4 May 2019 5:52 pm
Operator : F.NAEGLER
Sample : MBLK Inst : MSVOA14
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 06 08:37:14 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
Quant Title : MS#14 - 8260 SOILS 10ml PURGE
QLast Update : Mon Apr 22 10:00:17 2019
Response via : Initial Calibration







TIC: F6461.D\data.ms

(72) 2-Hexanone (P)

8.876min (+0.006) 0.34 ug/L m

response 1020

Ion	Exp%	Act%
43.00	100	100
58.00	51.60	51.51
100.00	9.70	8.61
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

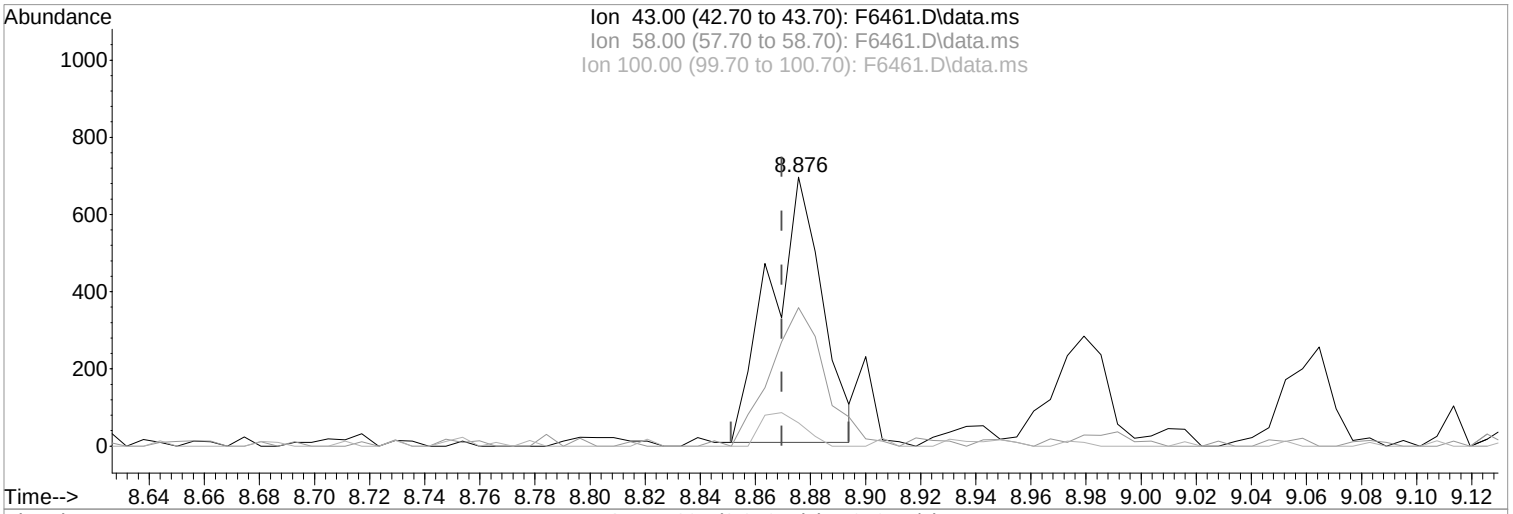
05/06/19

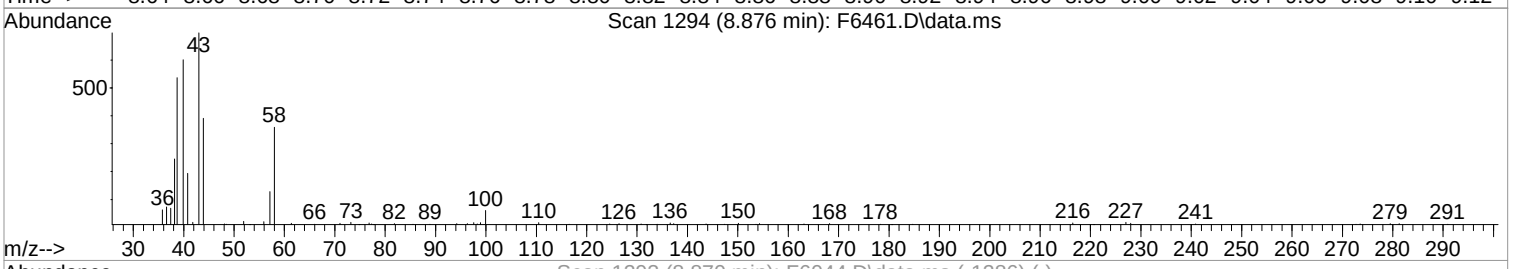
1st FW 05/06/19
2nd WR 05/08/19

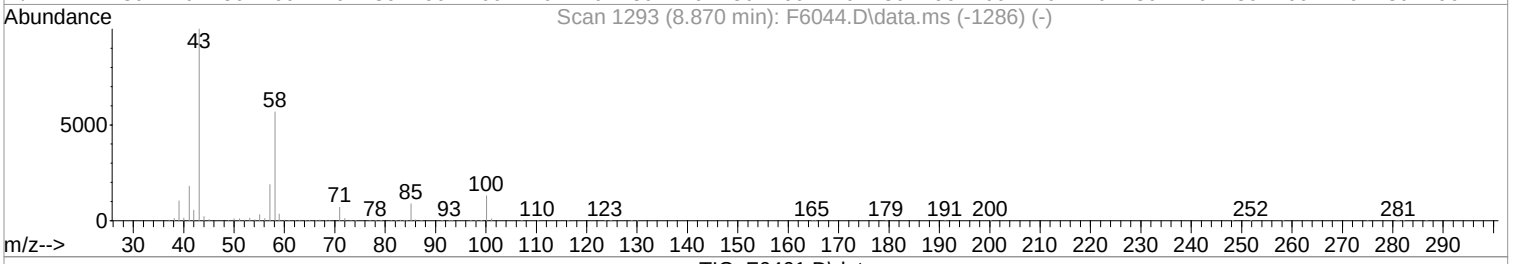
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\050419\
Data File : F6461.D
Acq On : 4 May 2019 5:52 pm
Operator : F.NAEGLER
Sample : MBLK Inst : MSVOA14
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 06 08:37:14 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
Quant Title : MS#14 - 8260 SOILS 10ml PURGE
QLast Update : Mon Apr 22 10:00:17 2019
Response via : Initial Calibration







TIC: F6461.D\data.ms

(72) 2-Hexanone (P)

8.876min (+0.006) 0.30 ug/L

response 900

Ion	Exp%	Act%
43.00	100	100
58.00	51.60	51.51
100.00	9.70	8.61
0.00	0.00	0.00

Manual Integration:

Before

05/06/19

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\050419\
Data File : F6461.D
Acq On : 4 May 2019 5:52 pm
Operator : F.NAEGLER
Sample : MBLK Inst : MSVOA14
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 06 15:50:18 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
Quant Title : MS#14 - 8260 SOILS 10ml PURGE
QLast Update : Mon Apr 22 10:00:17 2019
Response via : Initial Calibration

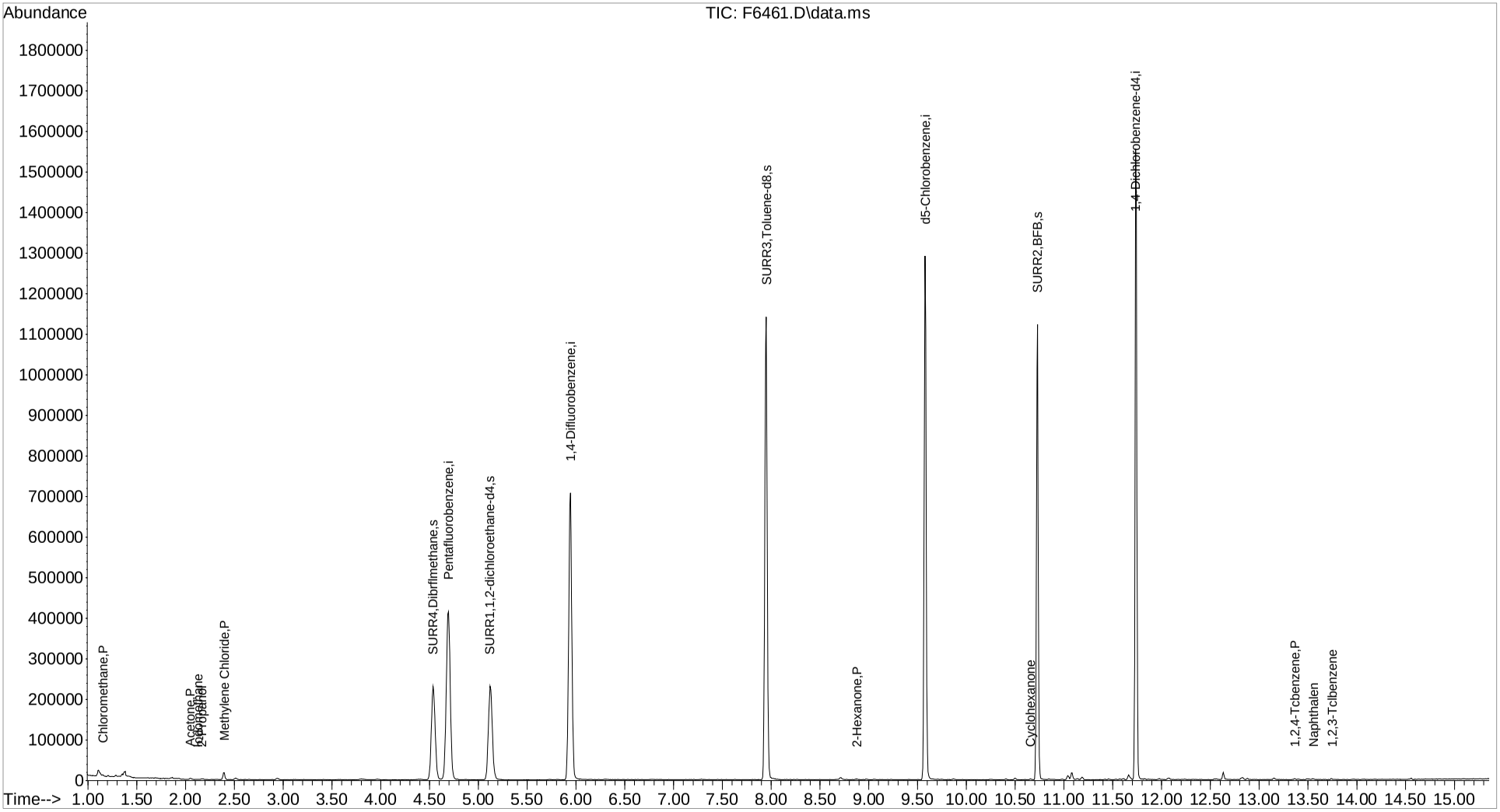
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.694	168	406975	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	5.943	114	667599	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.577	117	563661	50.00	ug/L	0.00
87) 1,4-Dichlorobenzene-d4	11.735	152	292426	50.00	ug/L	0.00
System Monitoring Compounds						
44) SURR4,Dibrflmethane	4.535	113	189517	47.79	ug/L	0.00
Spiked Amount 50.000	Range 63 - 138		Recovery = 95.58%			
47) SURR1,1,2-dichloroetha...	5.120	65	230485	48.28	ug/L	0.00
Spiked Amount 50.000	Range 67 - 128		Recovery = 96.56%			
64) SURR3,Toluene-d8	7.949	98	724619	44.75	ug/L	0.00
Spiked Amount 50.000	Range 66 - 138		Recovery = 89.50%			
69) SURR2,BFB	10.729	95	289738	44.72	ug/L	0.00
Spiked Amount 50.000	Range 31 - 154		Recovery = 89.44%			
Target Compounds						Qvalue
3) Chloromethane	1.158	50	1144	0.22	ug/L	91
5) Bromomethane	1.420	94	994	Below Cal	#	73
15) Acetone	2.048	43	2875	1.82	ug/L	97
16) 2-Propanol	2.170	45	1021	3.18	ug/L	94
17) Iodomethane	2.127	142	495m	1.12	ug/L	
22) Methylene Chloride	2.395	84	6011	1.03	ug/L	93
72) 2-Hexanone	8.876	43	1020m	0.34	ug/L	
85) Cyclohexanone	10.656	55	736	1.02	ug/L	84
105) 1,2,4-Tcbenzene	13.363	180	637	0.54	ug/L	83
107) Naphthalen	13.558	128	1458	0.76	ug/L	74
108) 1,2,3-Tclbenzene	13.747	180	534	0.58	ug/L #	61

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

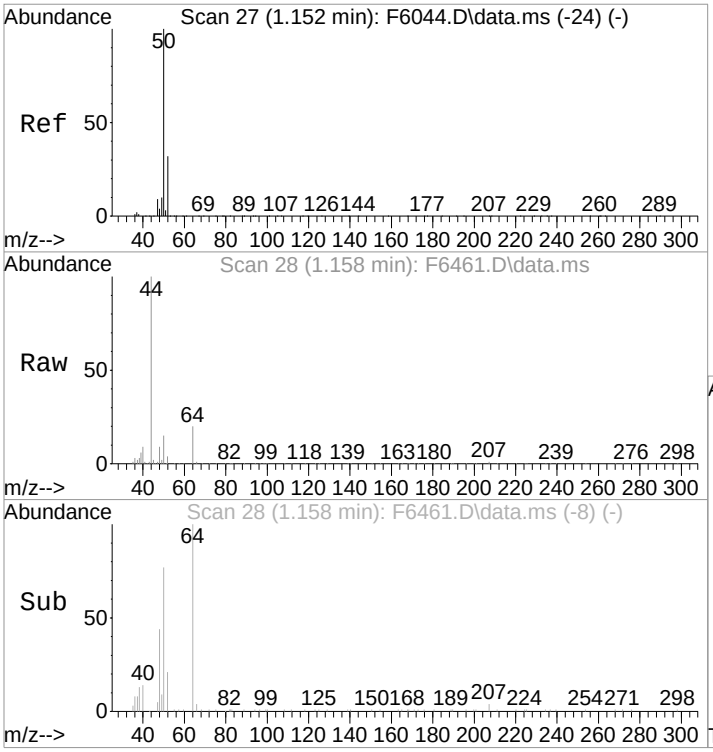
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\050419\
Data File : F6461.D
Acq On : 4 May 2019 5:52 pm
Operator : F.NAEGLER
Sample : MBLK Inst : MSVOA14
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 06 15:50:18 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
Quant Title : MS#14 - 8260 SOILS 10ml PURGE
QLast Update : Mon Apr 22 10:00:17 2019
Response via : Initial Calibration



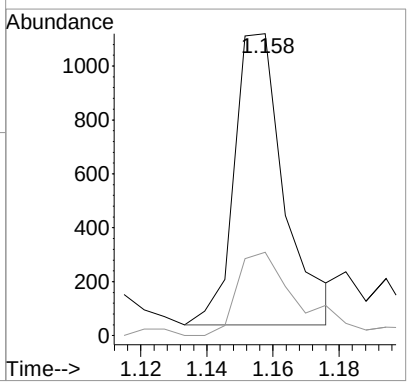
1st 05/06/19
2nd 05/08/19

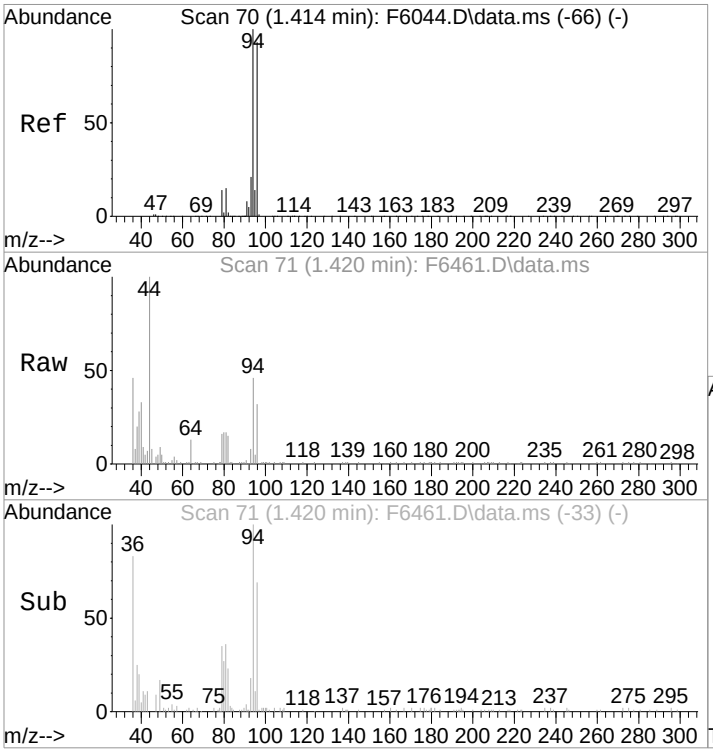


#3
Chloromethane
Concen: 0.22 ug/L
RT: 1.158 min Scan# 28
Delta R.T. 0.006 min
Lab File: F6461.D
Acq: 4 May 2019 5:52 pm

Tgt Ion: 50 Resp: 1144

Ion	Ratio	Lower	Upper
50	100		
52	27.6	12.4	52.4

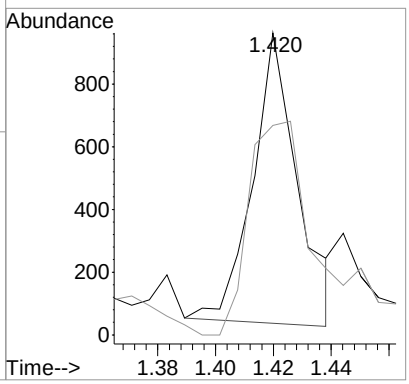


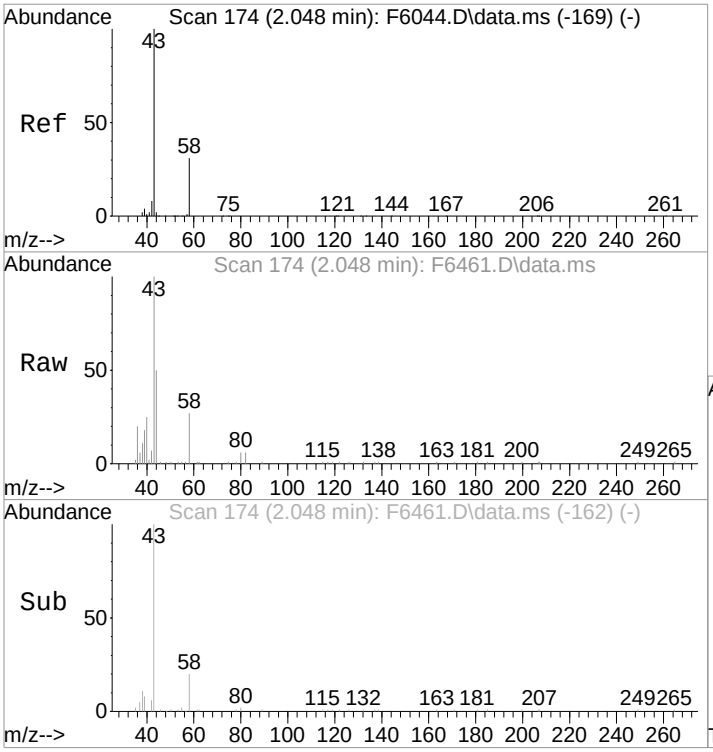


#5
Bromomethane
Concen: Below Cal
RT: 1.420 min Scan# 71
Delta R.T. 0.007 min
Lab File: F6461.D
Acq: 4 May 2019 5:52 pm

Tgt Ion: 94 Resp: 994

Ion	Ratio	Lower	Upper
94	100		
96	69.4	75.4	115.4#

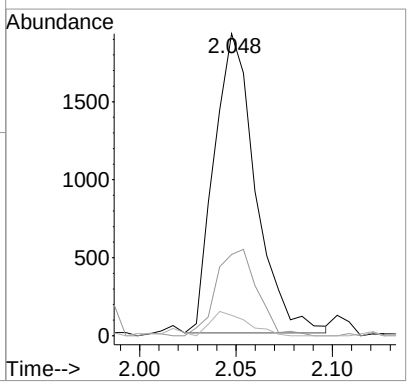


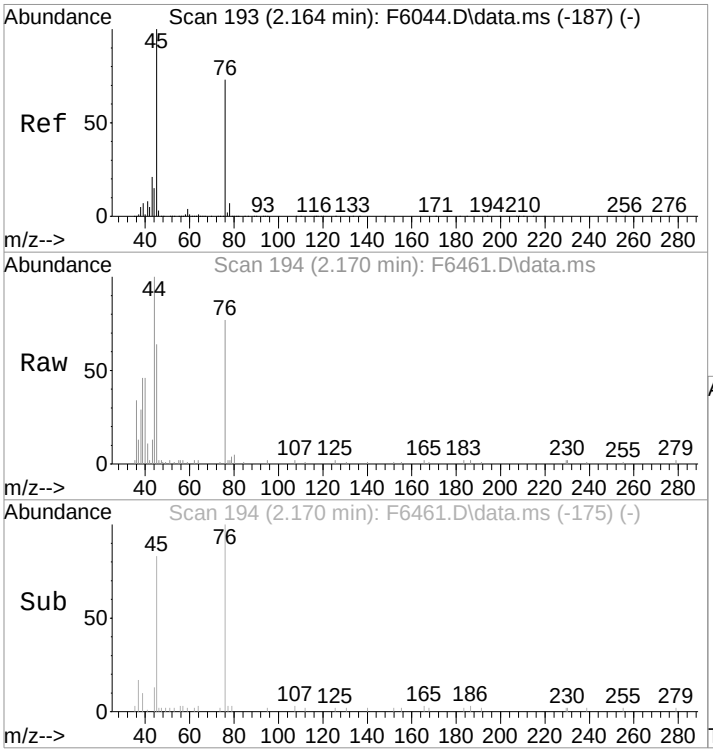


#15
Acetone
Concen: 1.82 ug/L
RT: 2.048 min Scan# 174
Delta R.T. 0.001 min
Lab File: F6461.D
Acq: 4 May 2019 5:52 pm

Tgt Ion: 43 Resp: 2875

Ion	Ratio	Lower	Upper
43	100		
58	26.9	5.1	45.1
42	6.7	0.0	27.4

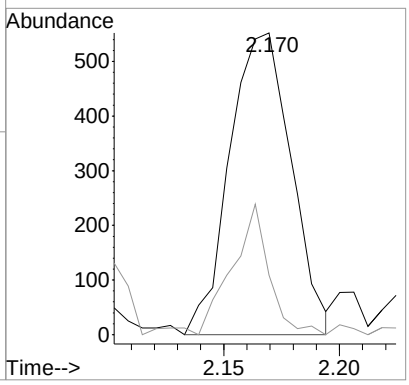


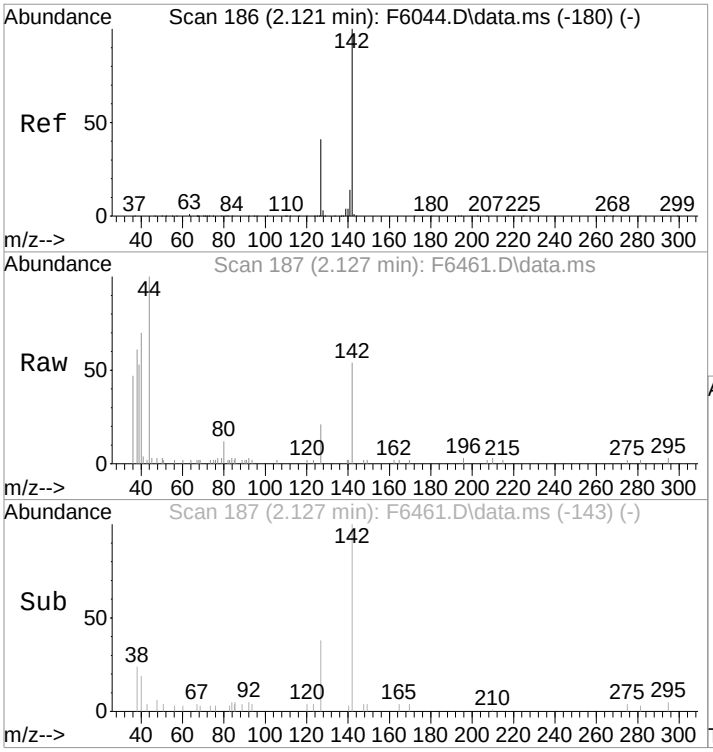


#16
2-Propanol
Concen: 3.18 ug/L
RT: 2.170 min Scan# 194
Delta R.T. 0.006 min
Lab File: F6461.D
Acq: 4 May 2019 5:52 pm

Tgt Ion: 45 Resp: 1021

Ion	Ratio	Lower	Upper
45	100		
43	19.7	2.7	42.7

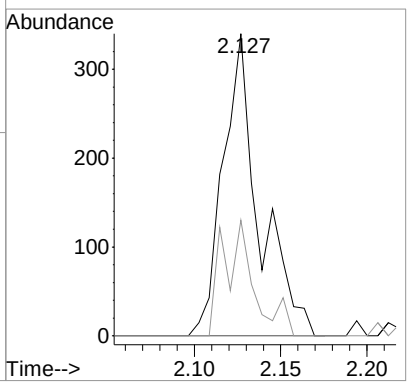


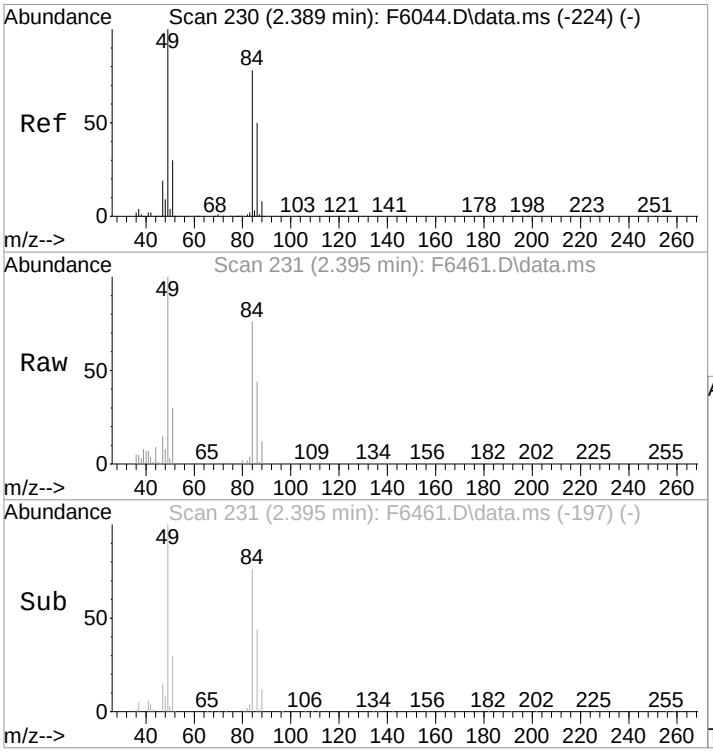


#17
Iodomethane
Concen: 1.12 ug/L m
RT: 2.127 min Scan# 187
Delta R.T. 0.007 min
Lab File: F6461.D
Acq: 4 May 2019 5:52 pm

Tgt Ion:142 Resp: 495

Ion	Ratio	Lower	Upper
142	100		
127	38.2	24.5	64.5

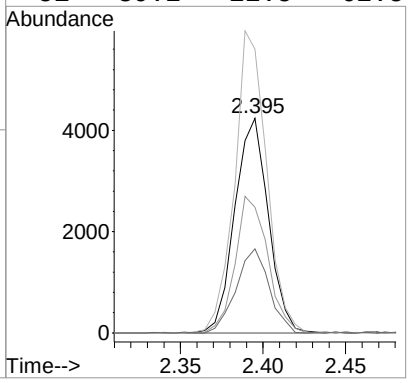


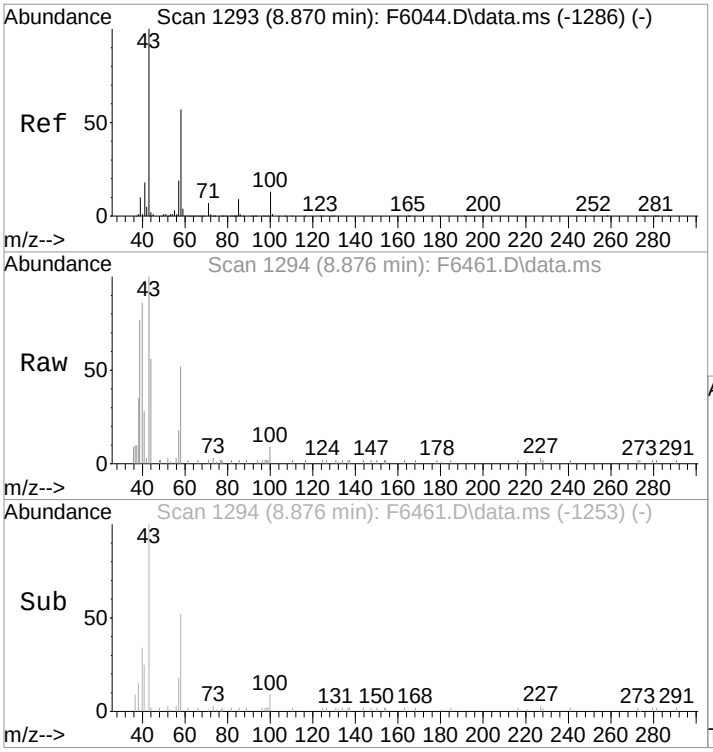


#22
Methylene Chloride
Concen: 1.03 ug/L
RT: 2.395 min Scan# 231
Delta R.T. 0.006 min
Lab File: F6461.D
Acq: 4 May 2019 5:52 pm

Tgt Ion: 84 Resp: 6011

Ion	Ratio	Lower	Upper
84	100		
86	58.5	45.6	85.6
49	132.2	120.4	160.4
51	39.2	22.5	62.5

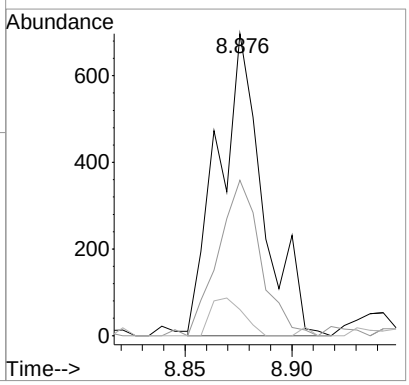


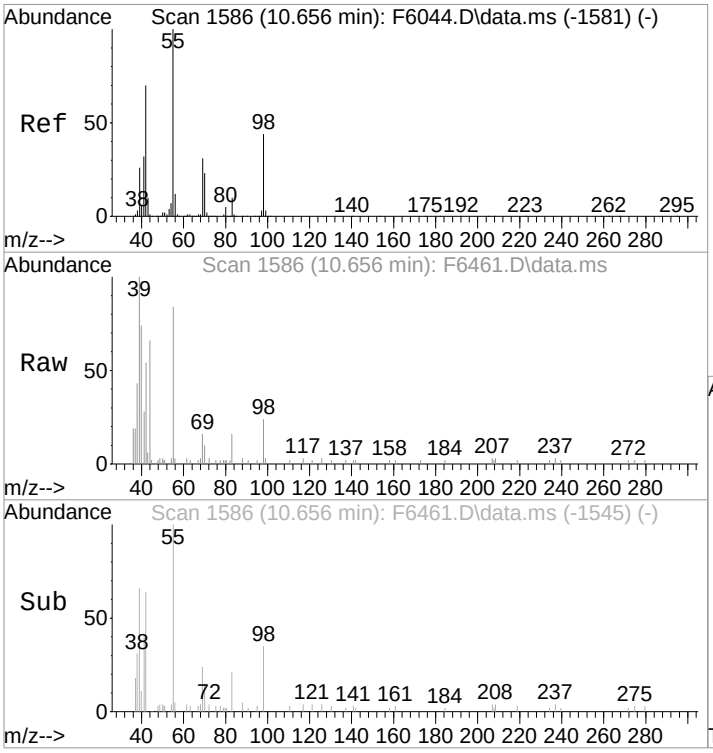


#72
2-Hexanone
Concen: 0.34 ug/L m
RT: 8.876 min Scan# 1294
Delta R.T. 0.006 min
Lab File: F6461.D
Acq: 4 May 2019 5:52 pm

Tgt Ion: 43 Resp: 1020

Ion	Ratio	Lower	Upper
43	100		
58	51.5	31.6	71.6
100	8.6	0.0	29.7

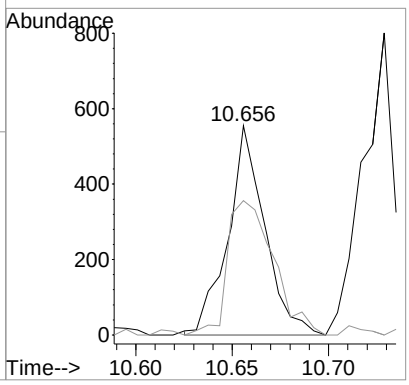


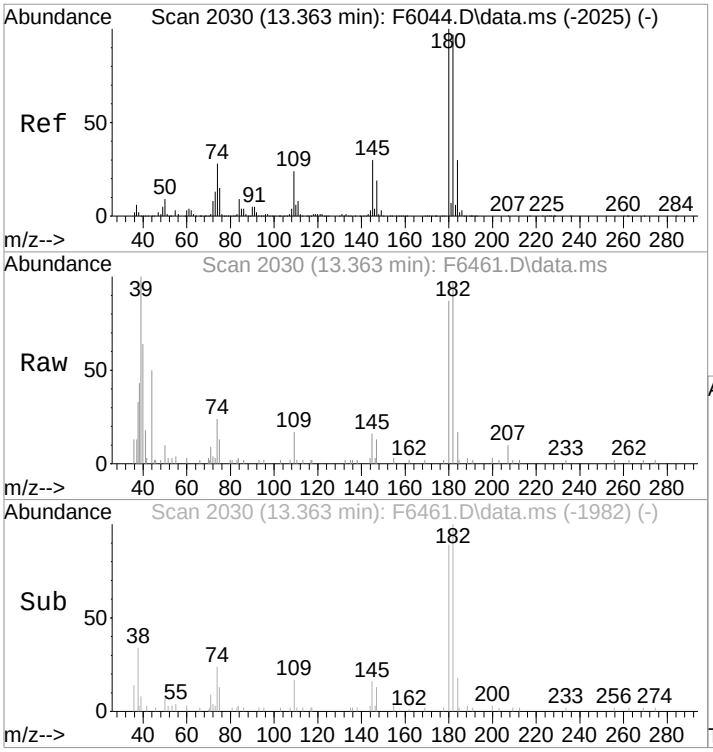


#85
Cyclohexanone
Concen: 1.02 ug/L
RT: 10.656 min Scan# 1586
Delta R.T. 0.000 min
Lab File: F6461.D
Acq: 4 May 2019 5:52 pm

Tgt Ion: 55 Resp: 736

Ion	Ratio	Lower	Upper
55	100		
42	64.1	58.2	98.2

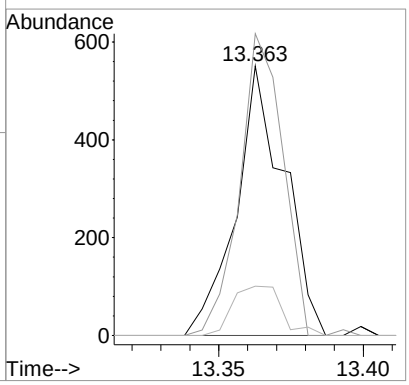


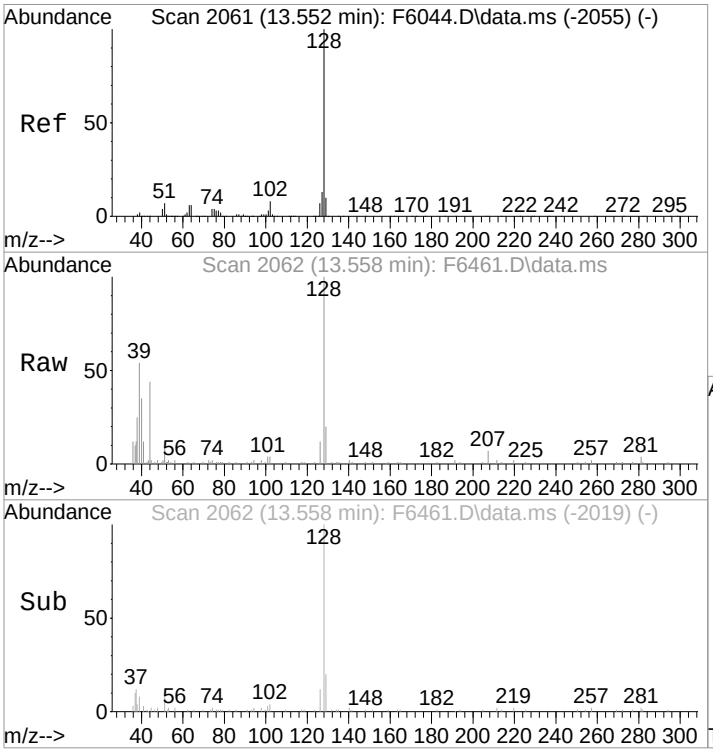


#105
1,2,4-Tcbenzene
Concen: 0.54 ug/L
RT: 13.363 min Scan# 2030
Delta R.T. 0.001 min
Lab File: F6461.D
Acq: 4 May 2019 5:52 pm

Tgt Ion:180 Resp: 637

Ion	Ratio	Lower	Upper
180	100		
182	112.0	74.9	114.9
145	18.3	7.0	47.0

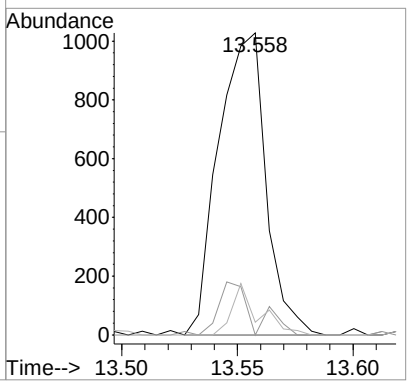


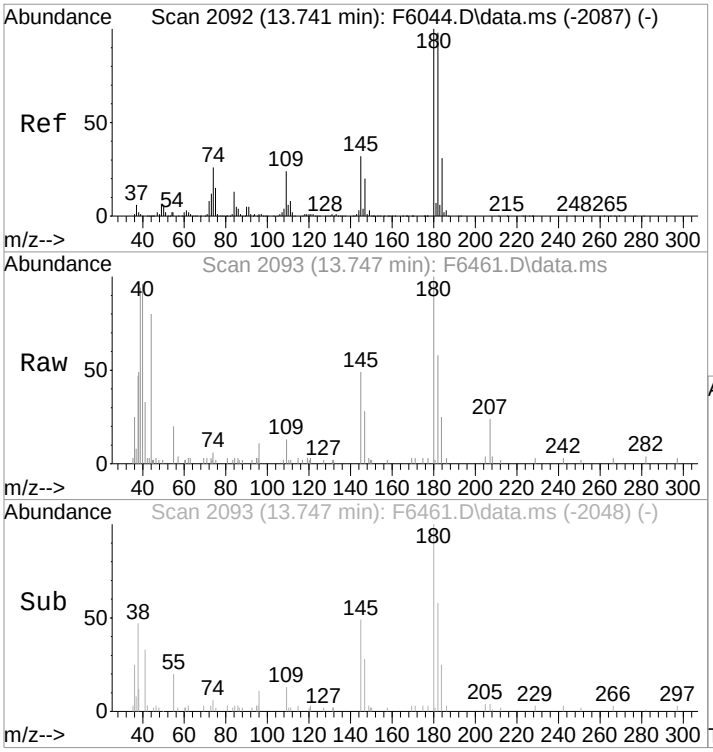


#107
Naphthalen
Concen: 0.76 ug/L
RT: 13.558 min Scan# 2062
Delta R.T. 0.007 min
Lab File: F6461.D
Acq: 4 May 2019 5:52 pm

Tgt Ion:128 Resp: 1458

Ion	Ratio	Lower	Upper
128	100		
127	0.0	0.0	33.8
102	4.2	0.0	28.8

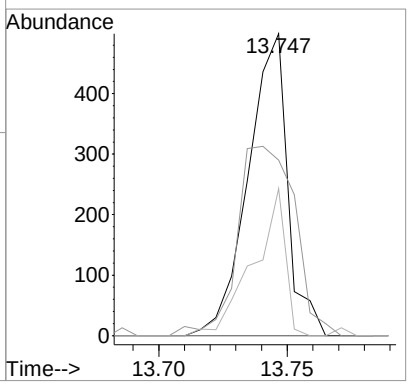




#108
1,2,3-Tclbenzene
Concen: 0.58 ug/L
RT: 13.747 min Scan# 2093
Delta R.T. 0.007 min
Lab File: F6461.D
Acq: 4 May 2019 5:52 pm

Tgt Ion:180 Resp: 534

Ion	Ratio	Lower	Upper
180	100		
182	56.9	75.8	115.8#
145	47.6	9.0	49.0

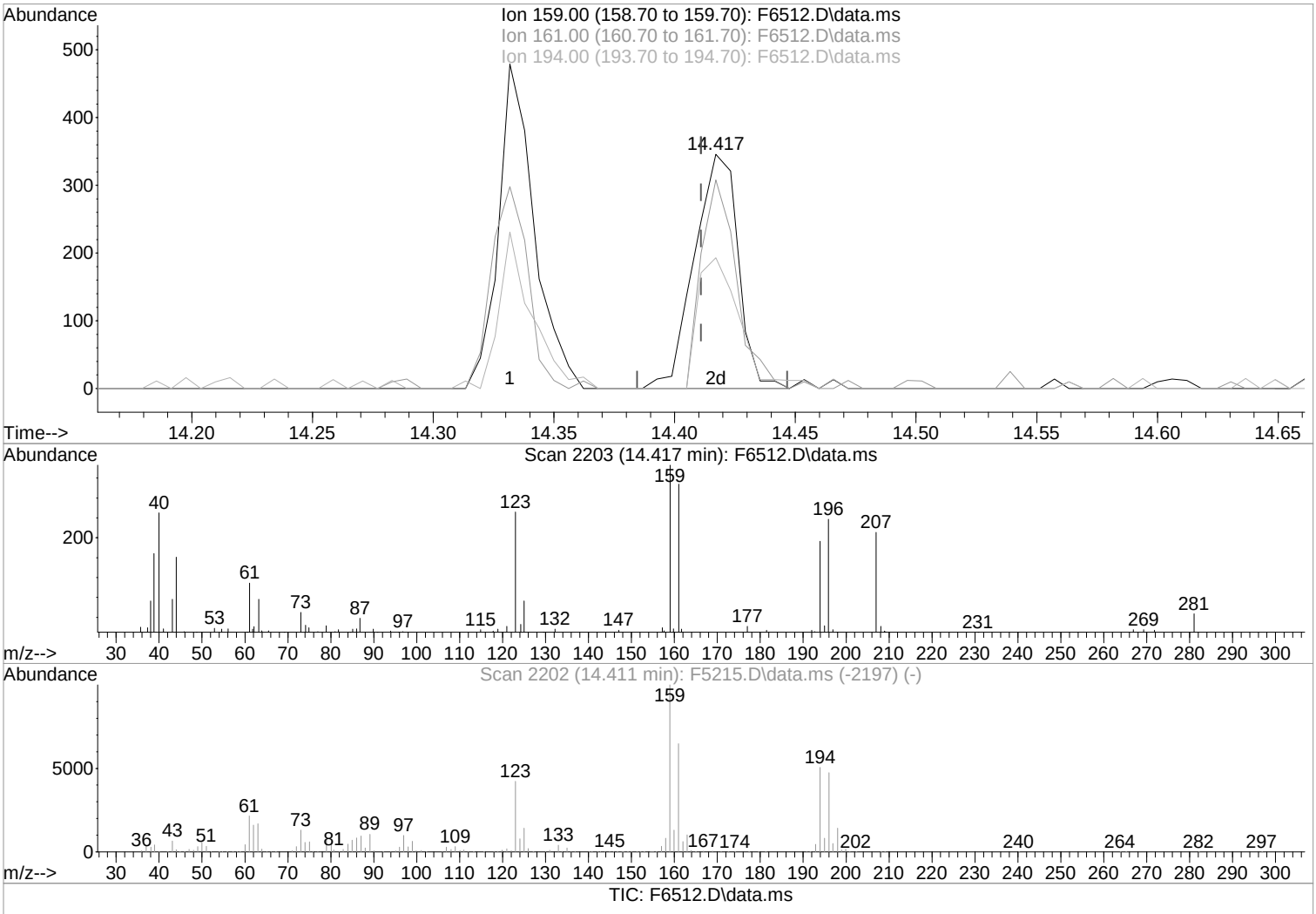


1st FW 05/10/19
2nd 05/10/19

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\050819\
Data File : F6512.D
Acq On : 8 May 2019 4:21 pm
Operator : F.NAEGLER
Sample : MEDBLK|50.0 Inst : MSVOA14
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 08 16:38:39 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 16:08:17 2019
Response via : Initial Calibration



TIC: F6512.D\data.ms

(119) 2,3,6-Trichlorotoluene

14.417min (+0.006) 1.35 ug/L m

response 435

Ion	Exp%	Act%
159.00	100	100
161.00	64.80	89.02#
194.00	50.50	55.78
0.00	0.00	0.00

Manual Integration:

After

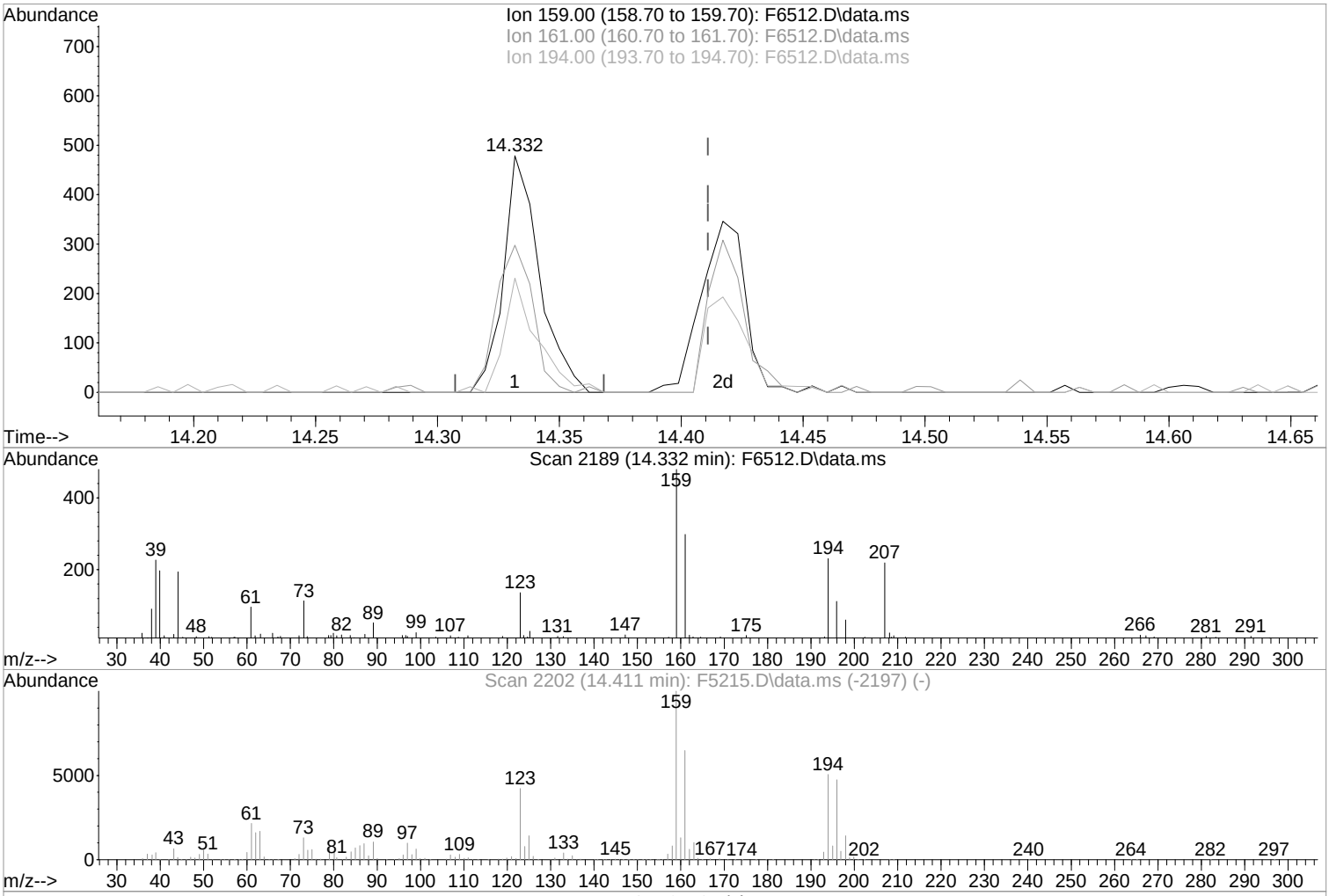
Wrong peak selected.

05/10/19

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\050819\
Data File : F6512.D
Acq On : 8 May 2019 4:21 pm
Operator : F.NAEGLER
Sample : MEDBLK|50.0 Inst : MSVOA14
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 08 16:38:39 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 16:08:17 2019
Response via : Initial Calibration



TIC: F6512.D\data.ms

(119) 2,3,6-Trichlorotoluene

14.332min (-0.079) 1.42 ug/L

response 493

Ion	Exp%	Act%
159.00	100	100
161.00	64.80	62.21
194.00	50.50	48.23
0.00	0.00	0.00

Manual Integration:

Before

05/10/19

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\050819\
Data File : F6512.D
Acq On : 8 May 2019 4:21 pm
Operator : F.NAEGLER
Sample : MEDBLK|50.0 Inst : MSVOA14
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 10 10:12:14 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 16:08:17 2019
Response via : Initial Calibration

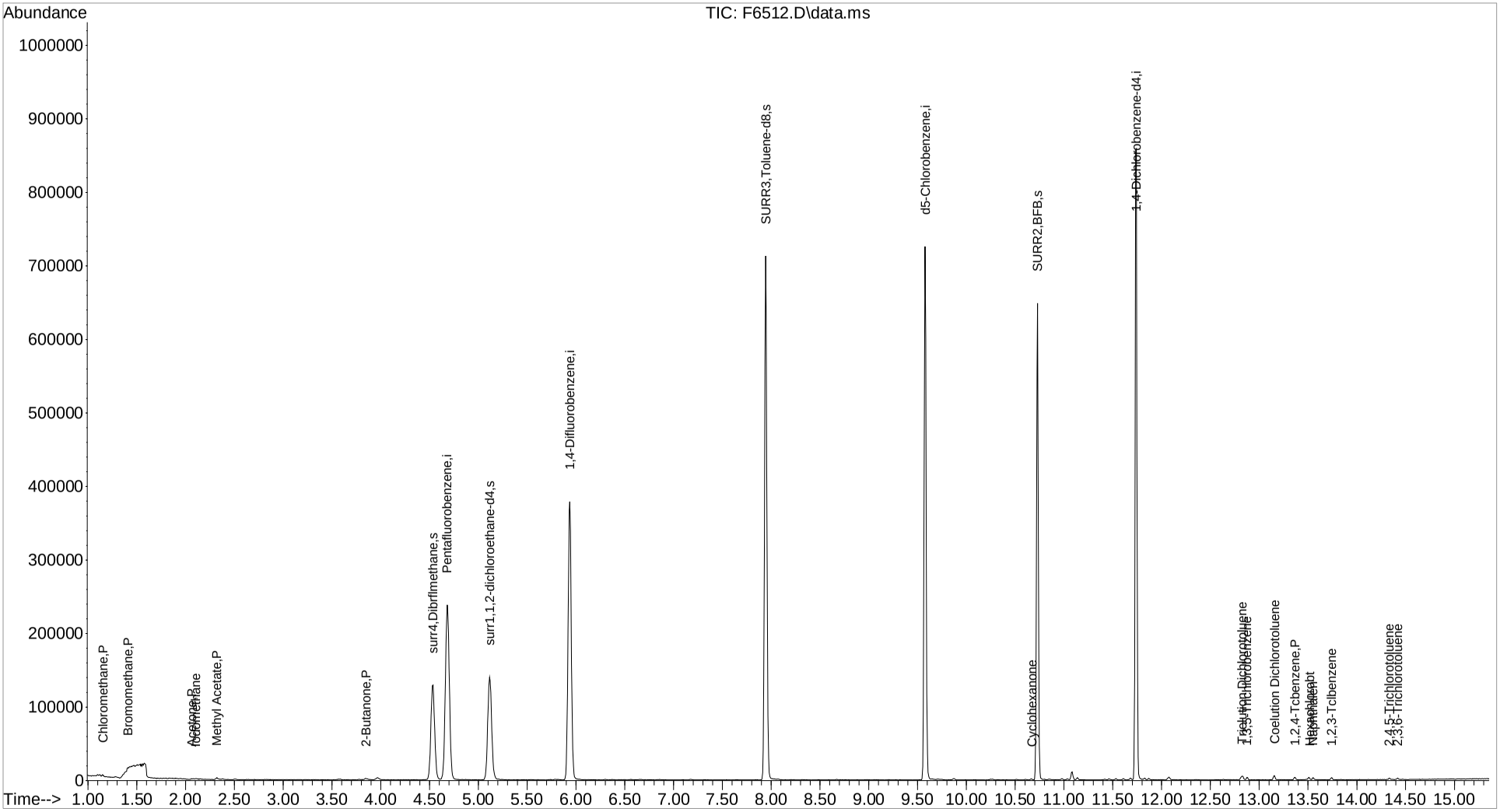
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	4.681	168	238008	50.00	ug/L		0.00
42) 1,4-Difluorobenzene	5.937	114	370990	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.577	117	326173	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.741	152	177359	50.00	ug/L		0.00
System Monitoring Compounds							
44) surr4,Dibrflmethane	4.535	113	106472	43.07	ug/L		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery =	86.14%#			OK soil limits
47) surr1,1,2-dichloroetha...	5.114	65	137807	47.57	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery =	95.14%			
64) SURR3,Toluene-d8	7.943	98	445582	45.16	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery =	90.32%			
69) SURR2,BFB	10.729	95	171303	44.83	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery =	89.66%			
Target Compounds							Qvalue
3) Chloromethane	1.151	50	2014	0.65	ug/L		94
5) Bromomethane	1.407	94	1629	0.66	ug/L		99
15) Acetone	2.060	43	799	0.69	ug/L		88
17) Iodomethane	2.102	142	1053	1.62	ug/L		99
21) Methyl Acetate	2.322	43	2715	1.12	ug/L		96
34) 2-Butanone	3.846	43	2636	1.52	ug/L		96
88) Cyclohexanone	10.668	55	568	0.92	ug/L		75
111) Trielution Dichlorotol...	12.826	125	2528	0.62	ug/L		96
112) 1,3,5-Trichlorobenzene	12.875	180	913	0.25	ug/L		92
113) Coelution Dichlorotoluene	13.155	125	1975	0.45	ug/L		92
114) 1,2,4-Tcbenzene	13.368	180	918	0.57	ug/L		91
115) Hexachlorobt	13.515	225	395	0.24	ug/L	#	72
116) Naphthalen	13.551	128	1874	0.72	ug/L		95
117) 1,2,3-Tclbenzene	13.740	180	824	0.62	ug/L		91
118) 2,4,5-Trichlorotoluene	14.332	159	493	1.53	ug/L		95
119) 2,3,6-Trichlorotoluene	14.417	159	435m	1.35	ug/L		

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

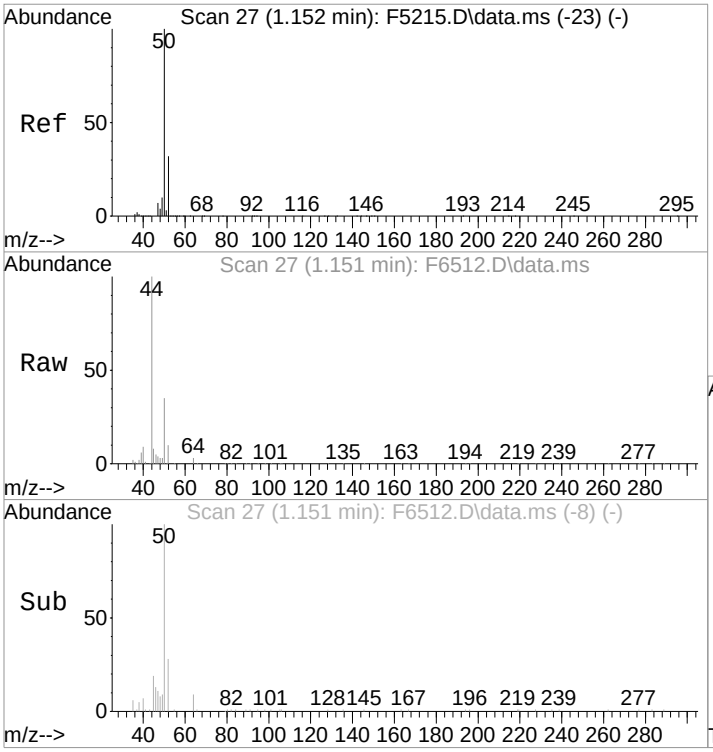
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\050819\
Data File : F6512.D
Acq On : 8 May 2019 4:21 pm
Operator : F.NAEGLER
Sample : MEDBLK|50.0 Inst : MSVOA14
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 10 10:12:14 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 16:08:17 2019
Response via : Initial Calibration



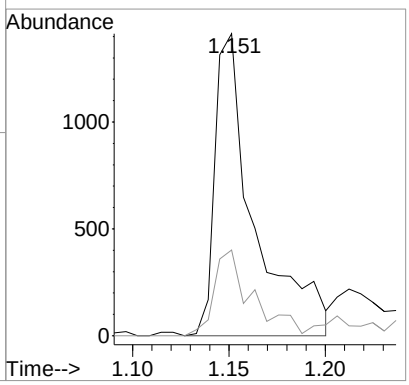
1st FJ 05/10/19
2nd 05/10/19

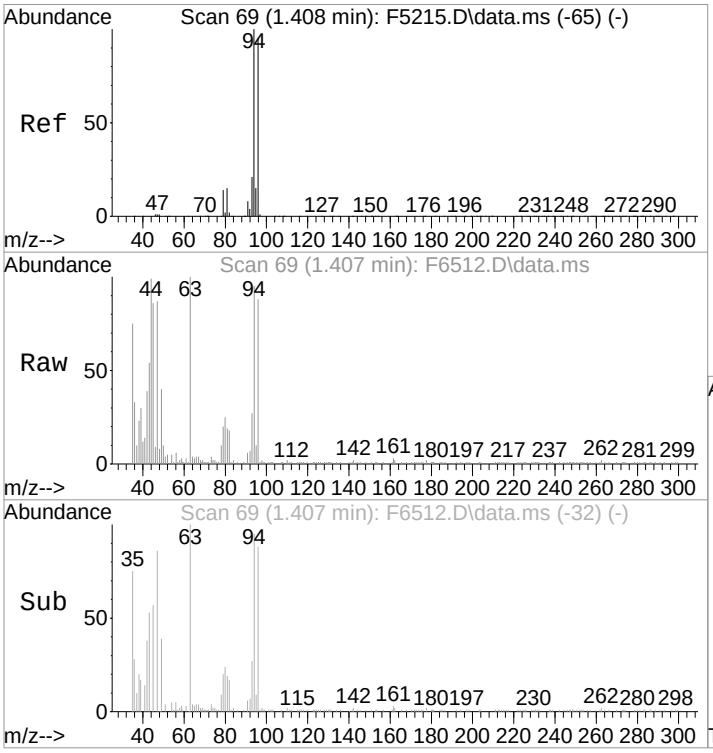


#3
Chloromethane
Concen: 0.65 ug/L
RT: 1.151 min Scan# 27
Delta R.T. -0.000 min
Lab File: F6512.D
Acq: 8 May 2019 4:21 pm

Tgt Ion: 50 Resp: 2014

Ion	Ratio	Lower	Upper
50	100		
52	28.4	11.9	51.9

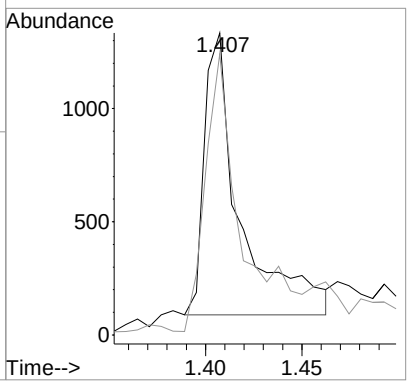


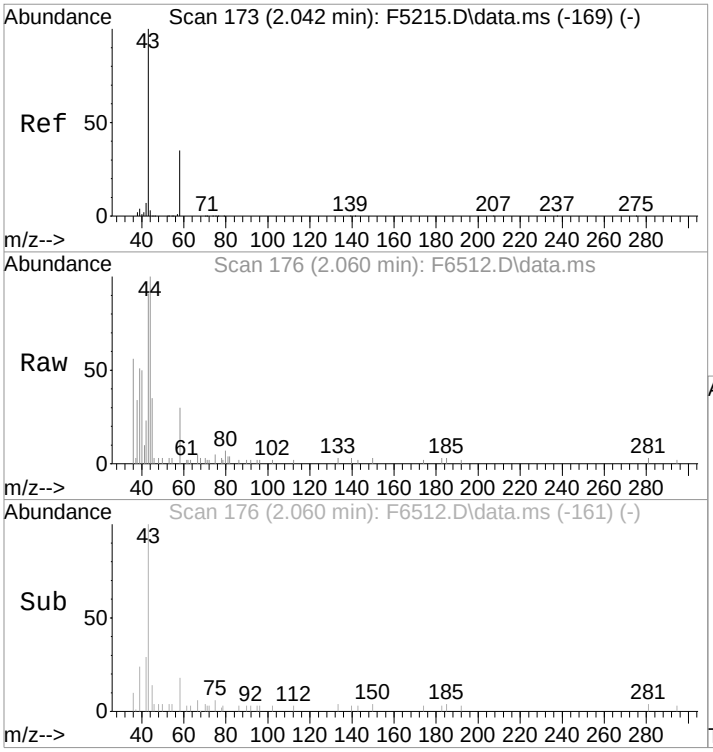


#5
Bromomethane
Concen: 0.66 ug/L
RT: 1.407 min Scan# 69
Delta R.T. 0.000 min
Lab File: F6512.D
Acq: 8 May 2019 4:21 pm

Tgt Ion: 94 Resp: 1629

Ion	Ratio	Lower	Upper
94	100		
96	93.1	74.5	114.5

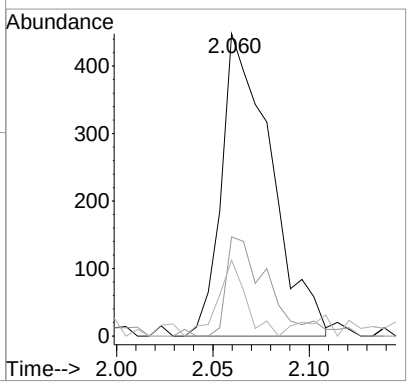


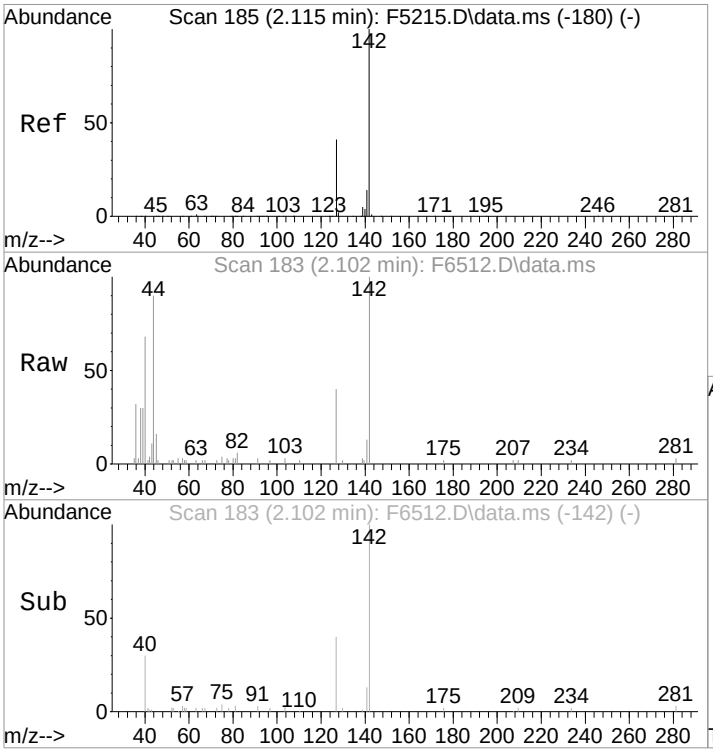


#15
Acetone
Concen: 0.69 ug/L
RT: 2.060 min Scan# 176
Delta R.T. 0.019 min
Lab File: F6512.D
Acq: 8 May 2019 4:21 pm

Tgt Ion: 43 Resp: 799

Ion	Ratio	Lower	Upper
43	100		
58	32.8	14.7	54.7
42	25.0	0.0	27.4

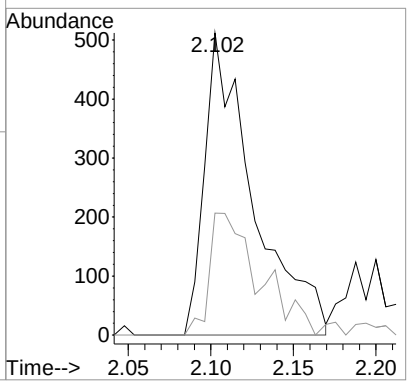


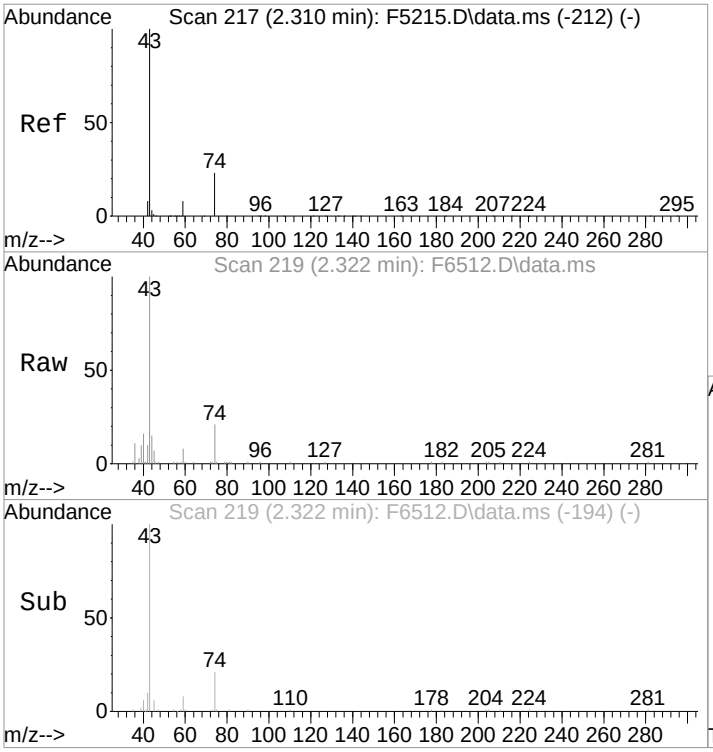


#17
Iodomethane
Concen: 1.62 ug/L
RT: 2.102 min Scan# 183
Delta R.T. -0.012 min
Lab File: F6512.D
Acq: 8 May 2019 4:21 pm

Tgt Ion:142 Resp: 1053

Ion	Ratio	Lower	Upper
142	100		
127	40.4	21.2	61.2

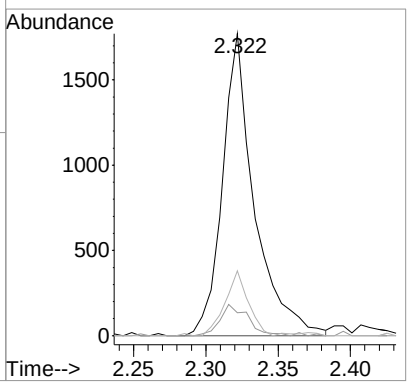


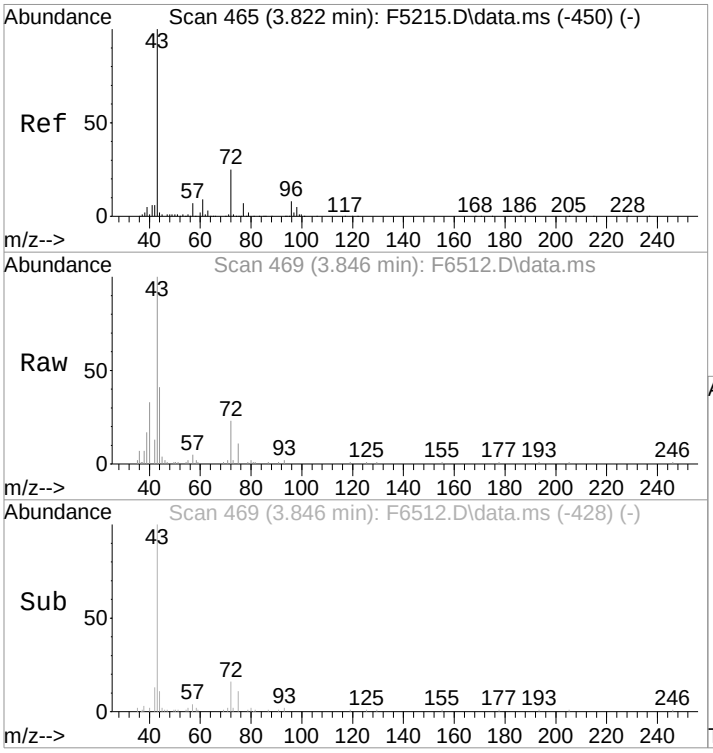


#21
Methyl Acetate
Concen: 1.12 ug/L
RT: 2.322 min Scan# 219
Delta R.T. 0.012 min
Lab File: F6512.D
Acq: 8 May 2019 4:21 pm

Tgt Ion: 43 Resp: 2715

Ion	Ratio	Lower	Upper
43	100		
59	7.6	0.0	28.2
74	21.5	3.6	43.6

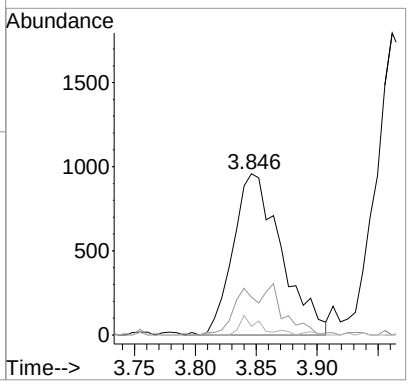


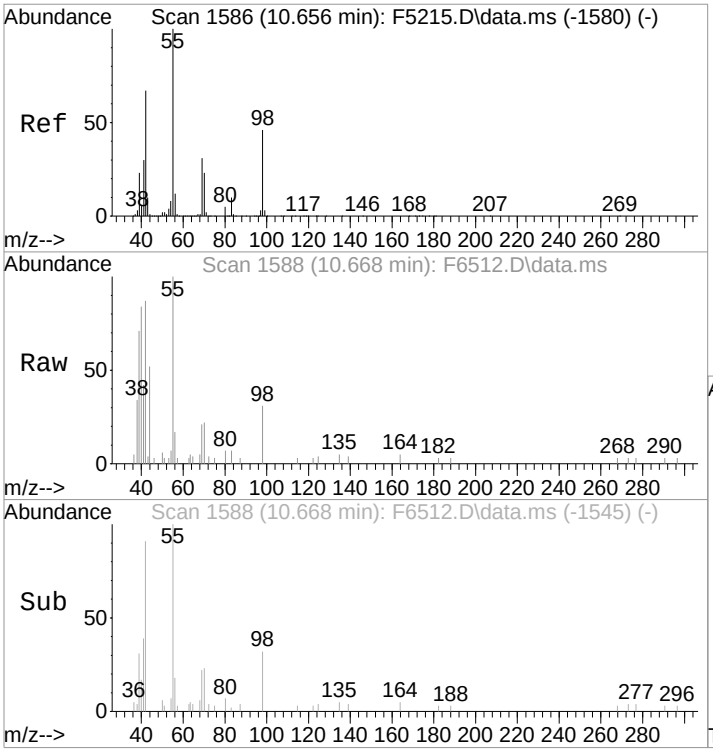


#34
2-Butanone
Concen: 1.52 ug/L
RT: 3.846 min Scan# 469
Delta R.T. 0.024 min
Lab File: F6512.D
Acq: 8 May 2019 4:21 pm

Tgt Ion: 43 Resp: 2636

Ion	Ratio	Lower	Upper
43	100		
72	23.4	4.8	44.8
57	5.2	0.0	27.7

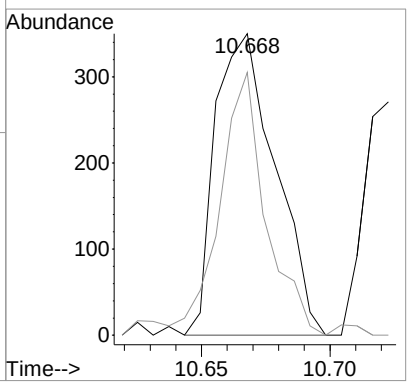


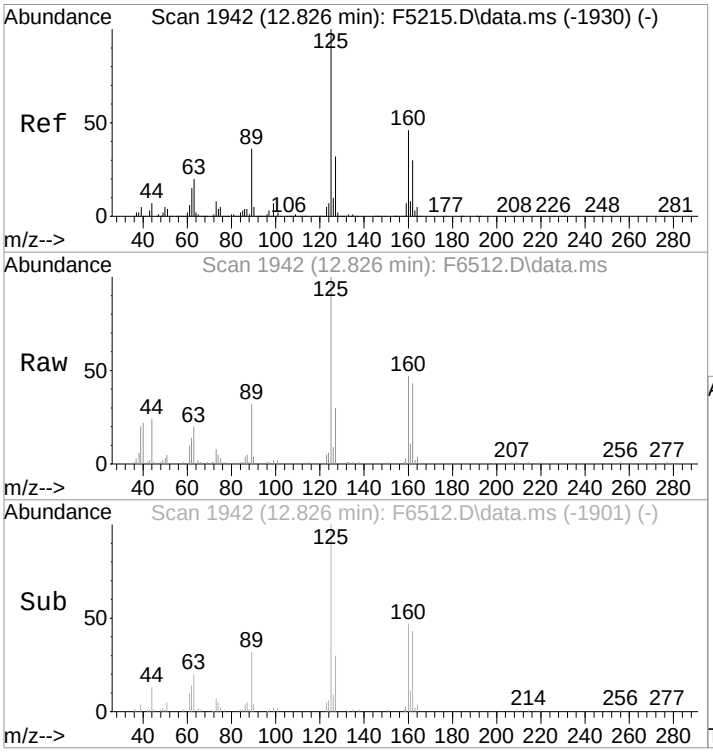


#88
Cyclohexanone
Concen: 0.92 ug/L
RT: 10.668 min Scan# 1588
Delta R.T. 0.013 min
Lab File: F6512.D
Acq: 8 May 2019 4:21 pm

Tgt Ion: 55 Resp: 568

Ion	Ratio	Lower	Upper
55	100		
42	87.1	47.2	87.2

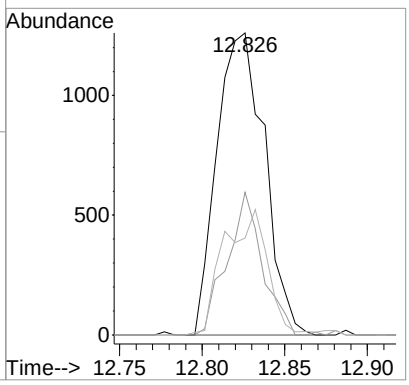


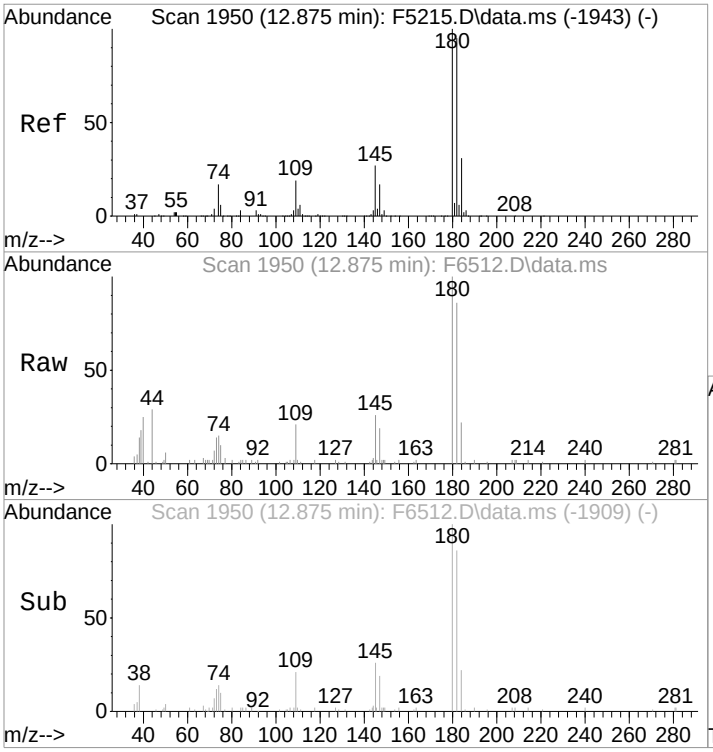


#111
Trielution Dichlorotoluene
Concen: 0.62 ug/L
RT: 12.826 min Scan# 1942
Delta R.T. -0.000 min
Lab File: F6512.D
Acq: 8 May 2019 4:21 pm

Tgt Ion:125 Resp: 2528

Ion	Ratio	Lower	Upper
125	100		
160	47.2	26.1	66.1
89	32.1	16.2	56.2

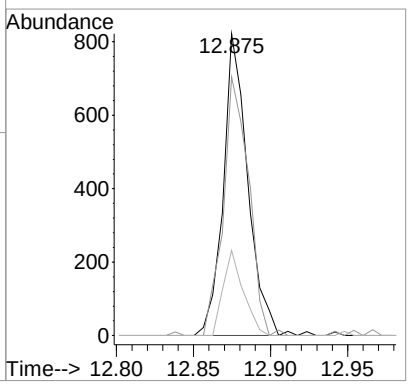


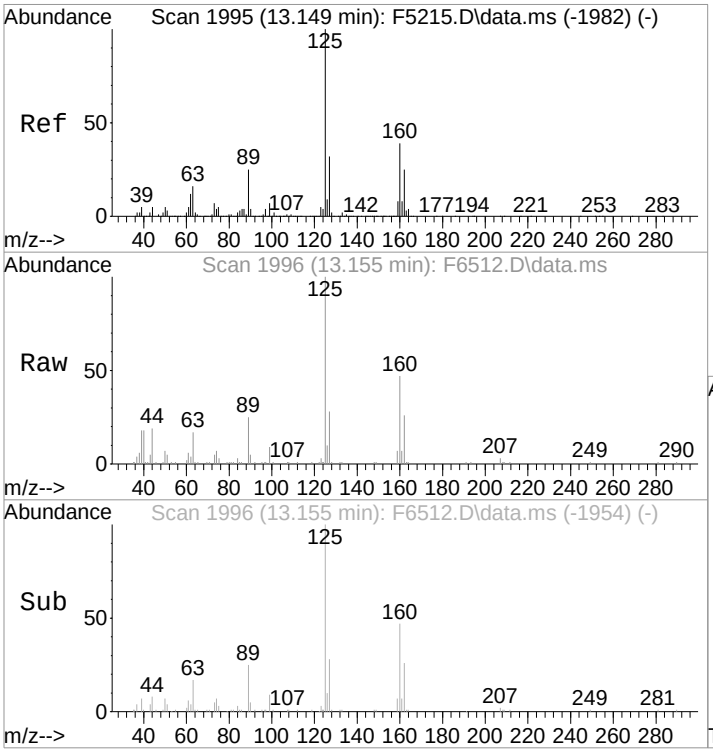


#112
1,3,5-Trichlorobenzene
Concen: 0.25 ug/L
RT: 12.875 min Scan# 1950
Delta R.T. -0.000 min
Lab File: F6512.D
Acq: 8 May 2019 4:21 pm

Tgt Ion:180 Resp: 913

Ion	Ratio	Lower	Upper
180	100		
182	85.6	74.9	114.9
145	28.2	6.9	46.9

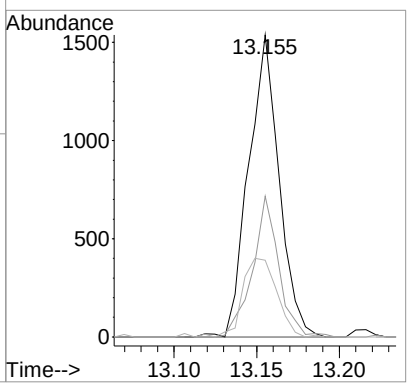


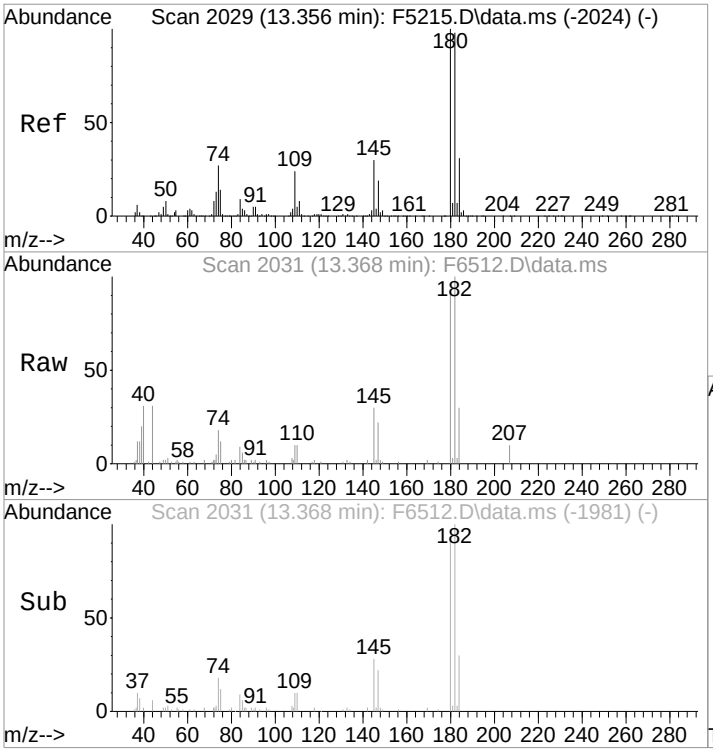


#113
Coelution Dichlorotoluene
Concen: 0.45 ug/L
RT: 13.155 min Scan# 1996
Delta R.T. 0.006 min
Lab File: F6512.D
Acq: 8 May 2019 4:21 pm

Tgt Ion:125 Resp: 1975

Ion	Ratio	Lower	Upper
125	100		
160	46.6	19.0	59.0
89	25.4	5.0	45.0

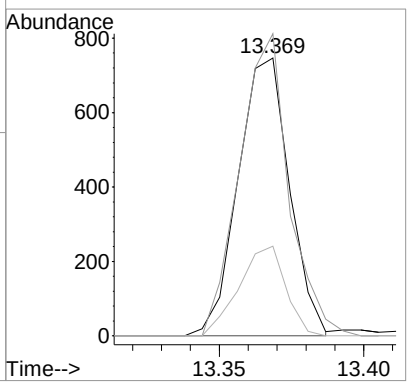


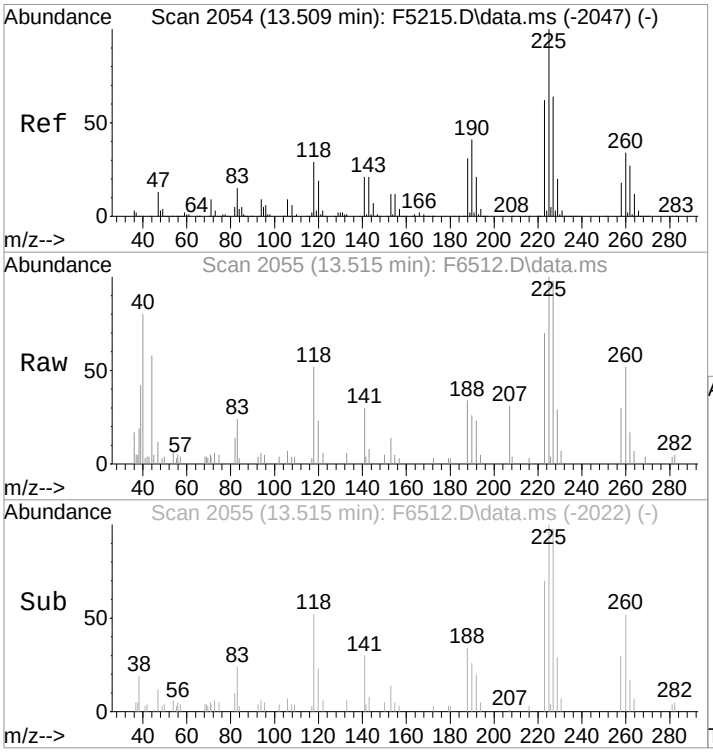


#114
1,2,4-Tcbenzene
Concen: 0.57 ug/L
RT: 13.368 min Scan# 2031
Delta R.T. 0.012 min
Lab File: F6512.D
Acq: 8 May 2019 4:21 pm

Tgt Ion:180 Resp: 918

Ion	Ratio	Lower	Upper
180	100		
182	108.7	78.2	118.2
145	32.3	10.4	50.4

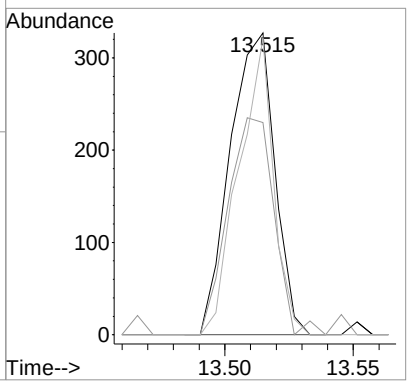


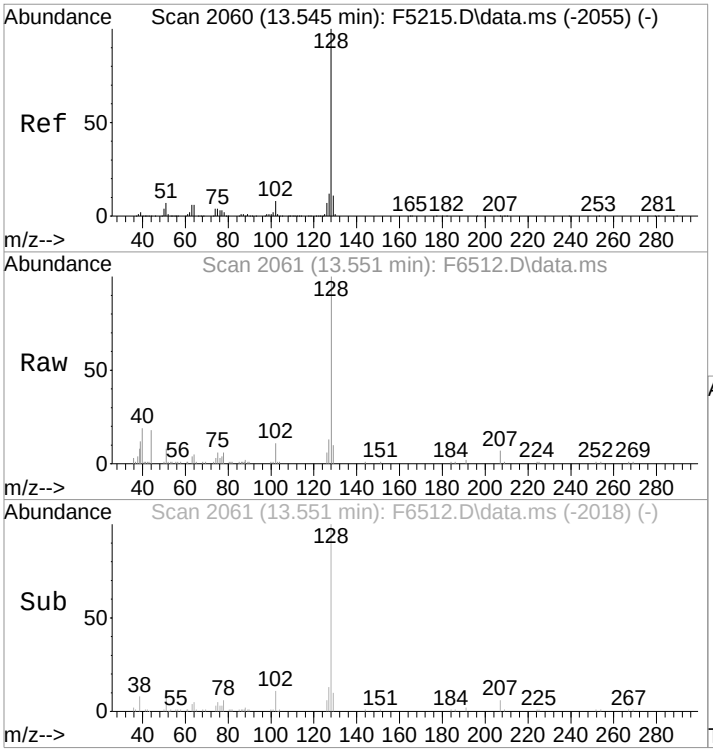


#115
Hexachlorobt
Concen: 0.24 ug/L
RT: 13.515 min Scan# 2055
Delta R.T. 0.006 min
Lab File: F6512.D
Acq: 8 May 2019 4:21 pm

Tgt Ion:225 Resp: 395

Ion	Ratio	Lower	Upper
225	100		
223	70.3	41.9	81.9
227	98.2	43.8	83.8#

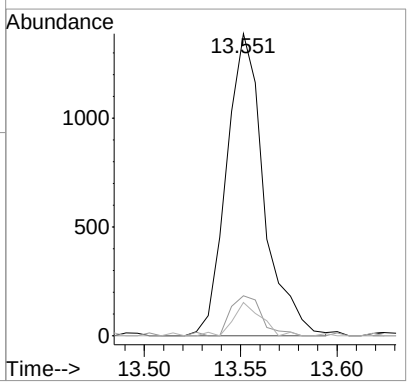


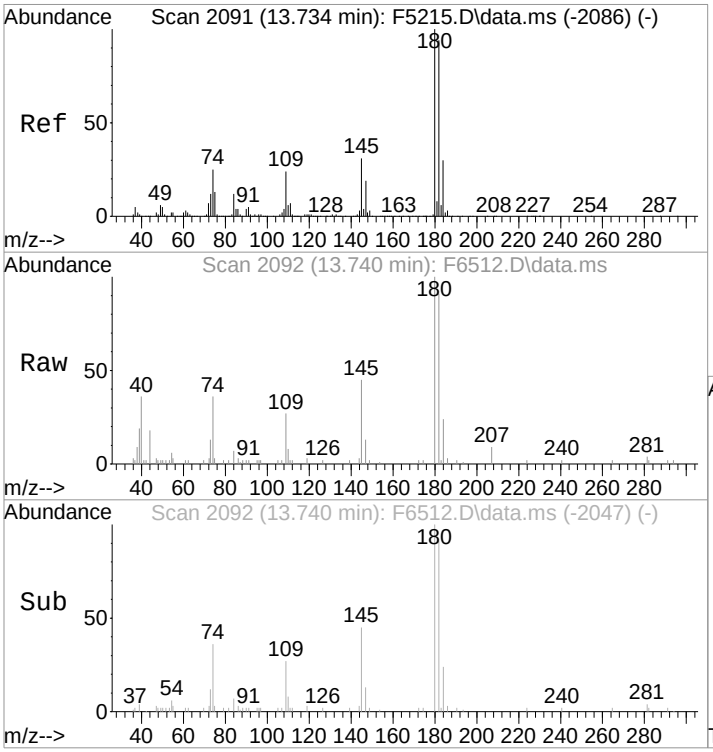


#116
Naphthalen
Concen: 0.72 ug/L
RT: 13.551 min Scan# 2061
Delta R.T. 0.006 min
Lab File: F6512.D
Acq: 8 May 2019 4:21 pm

Tgt Ion:128 Resp: 1874

Ion	Ratio	Lower	Upper
128	100		
127	13.2	0.0	32.4
102	11.0	0.0	28.1

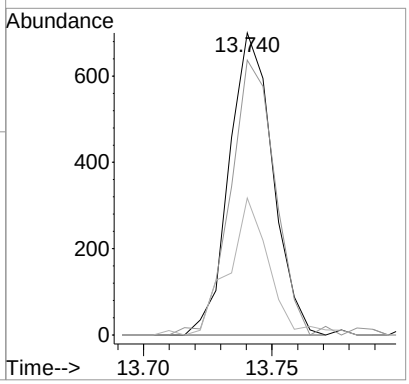


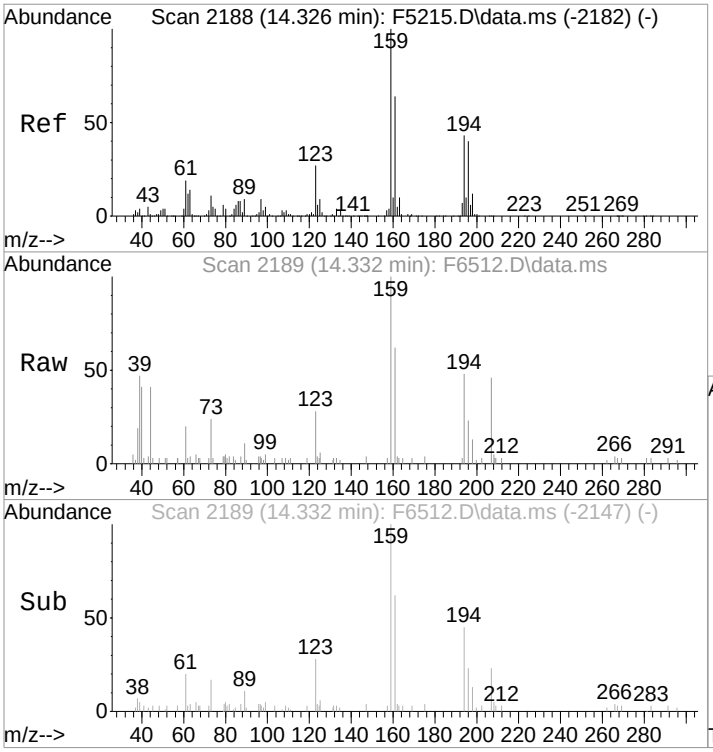


#117
1,2,3-Tclbenzene
Concen: 0.62 ug/L
RT: 13.740 min Scan# 2092
Delta R.T. 0.006 min
Lab File: F6512.D
Acq: 8 May 2019 4:21 pm

Tgt Ion:180 Resp: 824

Ion	Ratio	Lower	Upper
180	100		
182	91.0	74.0	114.0
145	45.3	11.3	51.3

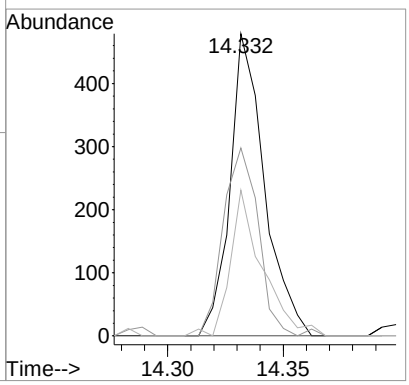


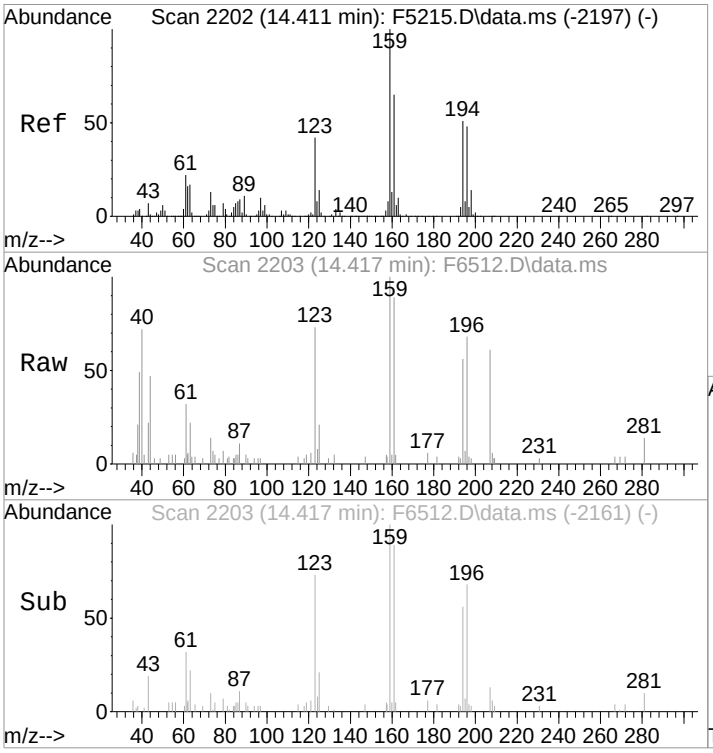


#118
2,4,5-Trichlorotoluene
Concen: 1.53 ug/L
RT: 14.332 min Scan# 2189
Delta R.T. 0.007 min
Lab File: F6512.D
Acq: 8 May 2019 4:21 pm

Tgt Ion:159 Resp: 493

Ion	Ratio	Lower	Upper
159	100		
161	62.2	44.0	84.0
194	48.2	22.5	62.5

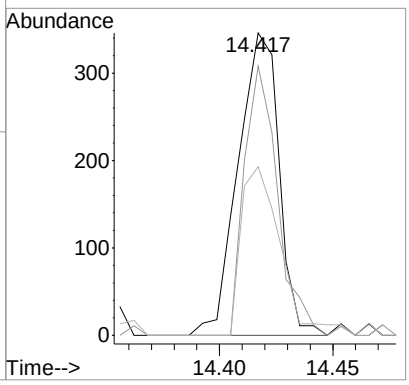




#119
2,3,6-Trichlorotoluene
Concen: 1.35 ug/L m
RT: 14.417 min Scan# 2203
Delta R.T. 0.006 min
Lab File: F6512.D
Acq: 8 May 2019 4:21 pm

Tgt Ion:159 Resp: 435

Ion	Ratio	Lower	Upper
159	100		
161	89.0	44.8	84.8#
194	55.8	30.5	70.5

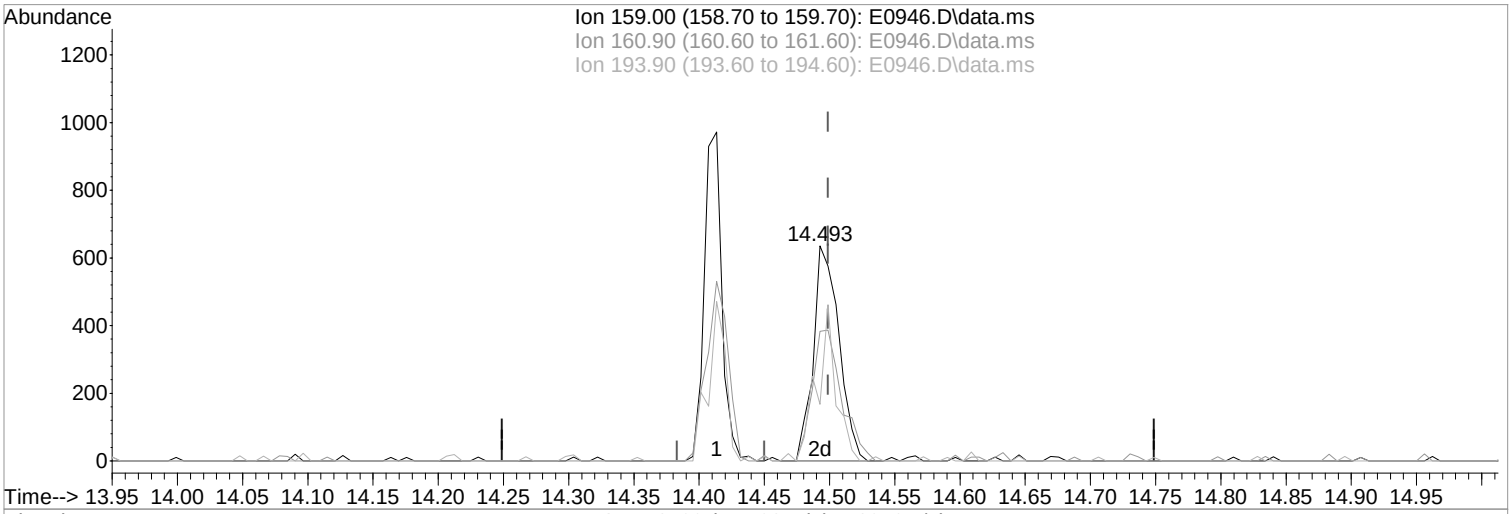


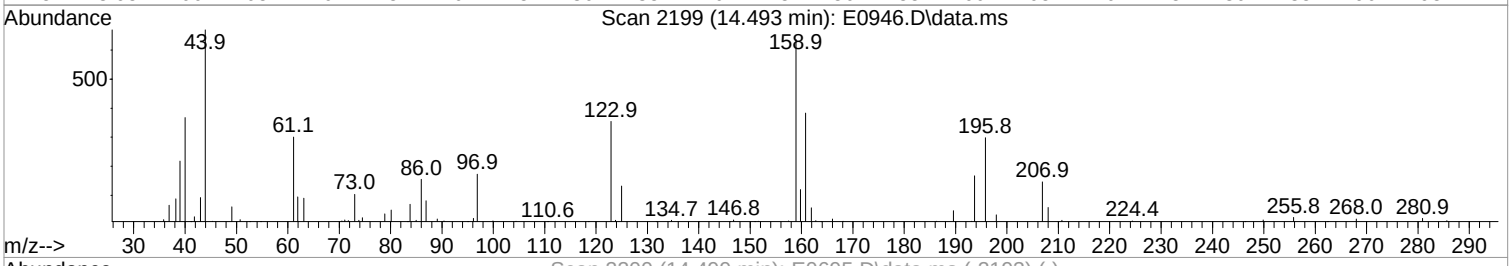
1st DL 05/08/19
2nd FW 05/13/19

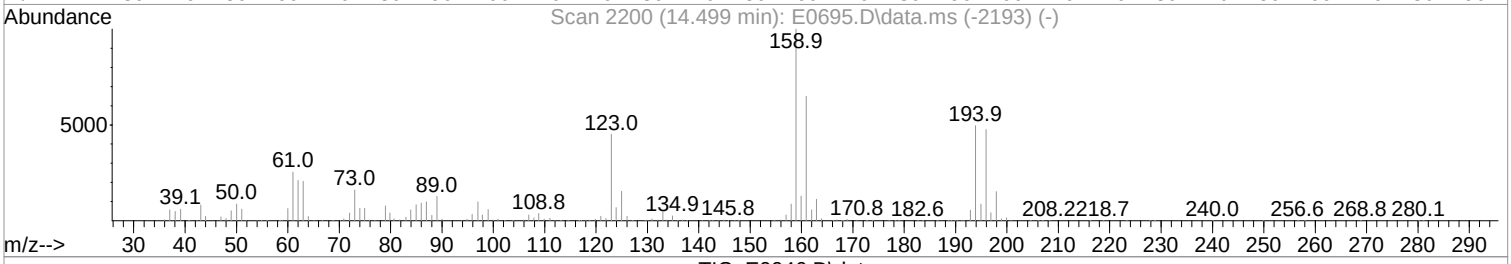
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\050819\
Data File : E0946.D
Acq On : 8 May 2019 11:26 am
Operator : D.LIPANI
Sample : MET BLK Inst : MSVOA10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 08 23:21:33 2019
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W043019.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 01 13:32:41 2019
Response via : Initial Calibration







TIC: E0946.D\data.ms

(119) 2,3,6-Trichlorotoluene

14.493min (-0.006) 0.30 ug/L m

response 869

Ion	Exp%	Act%
159.00	100	100
160.90	65.00	60.22
193.90	49.60	26.26#
0.00	0.00	0.00

Manual Integration:

After

Wrong peak selected.

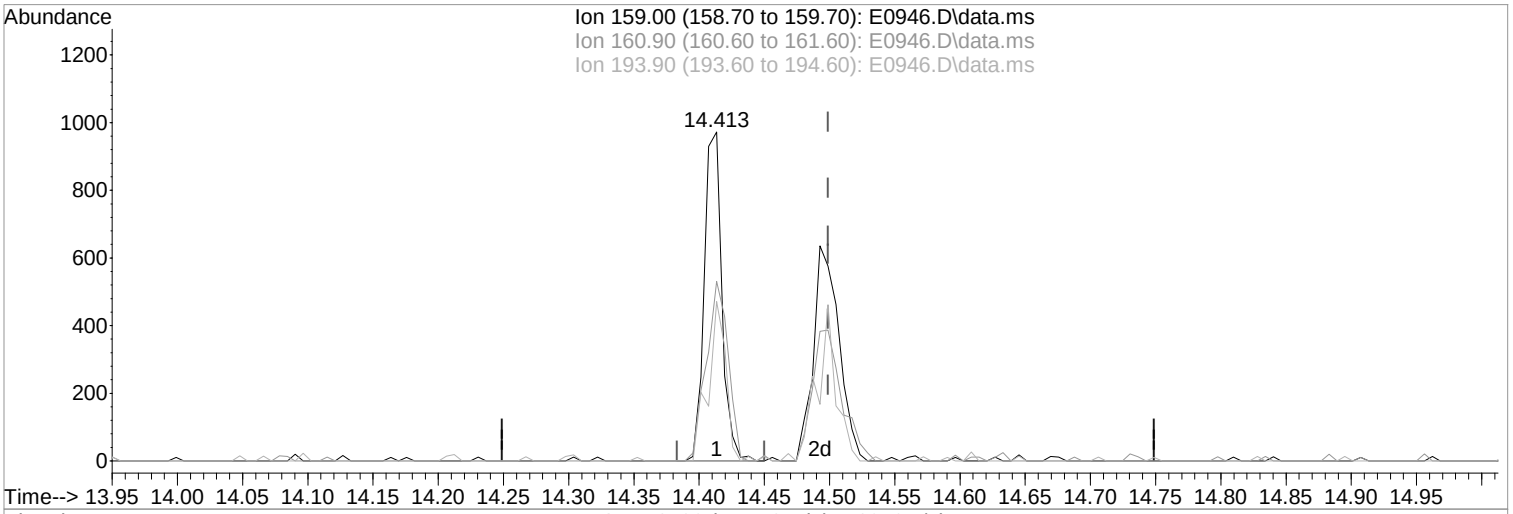
05/08/19

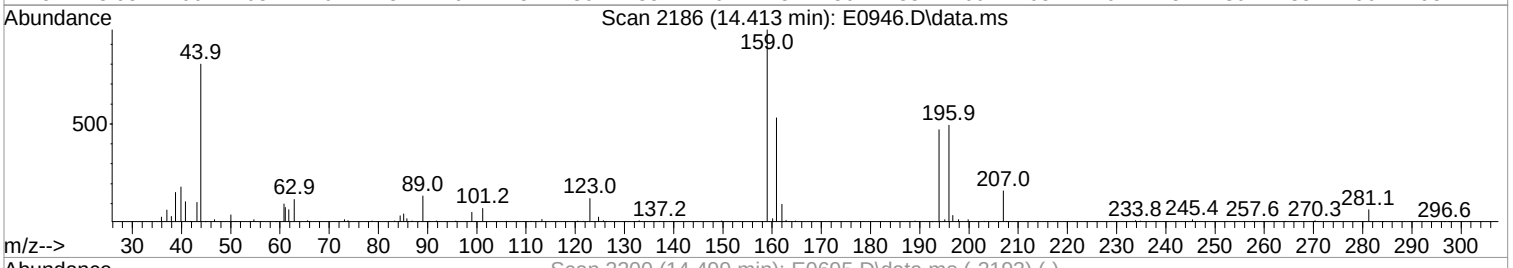
1st DL 05/08/19
2nd FW 05/13/19

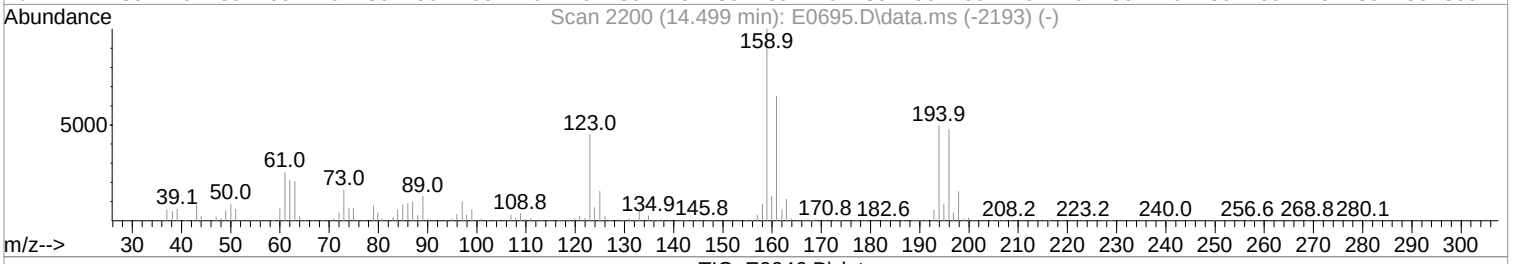
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\050819\
Data File : E0946.D
Acq On : 8 May 2019 11:26 am
Operator : D.LIPANI
Sample : MET BLK Inst : MSVOA10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 08 23:21:33 2019
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W043019.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 01 13:32:41 2019
Response via : Initial Calibration







TIC: E0946.D\data.ms

(119) 2,3,6-Trichlorotoluene

14.413min (-0.085) 0.31 ug/L

response 919

Ion	Exp%	Act%
159.00	100	100
160.90	65.00	54.63
193.90	49.60	48.46
0.00	0.00	0.00

Manual Integration:

Before

05/08/19

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\050819\
Data File : E0946.D
Acq On : 8 May 2019 11:26 am
Operator : D.LIPANI
Sample : MET BLK Inst : MSVOA10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 08 23:23:32 2019
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W043019.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 01 13:32:41 2019
Response via : Initial Calibration

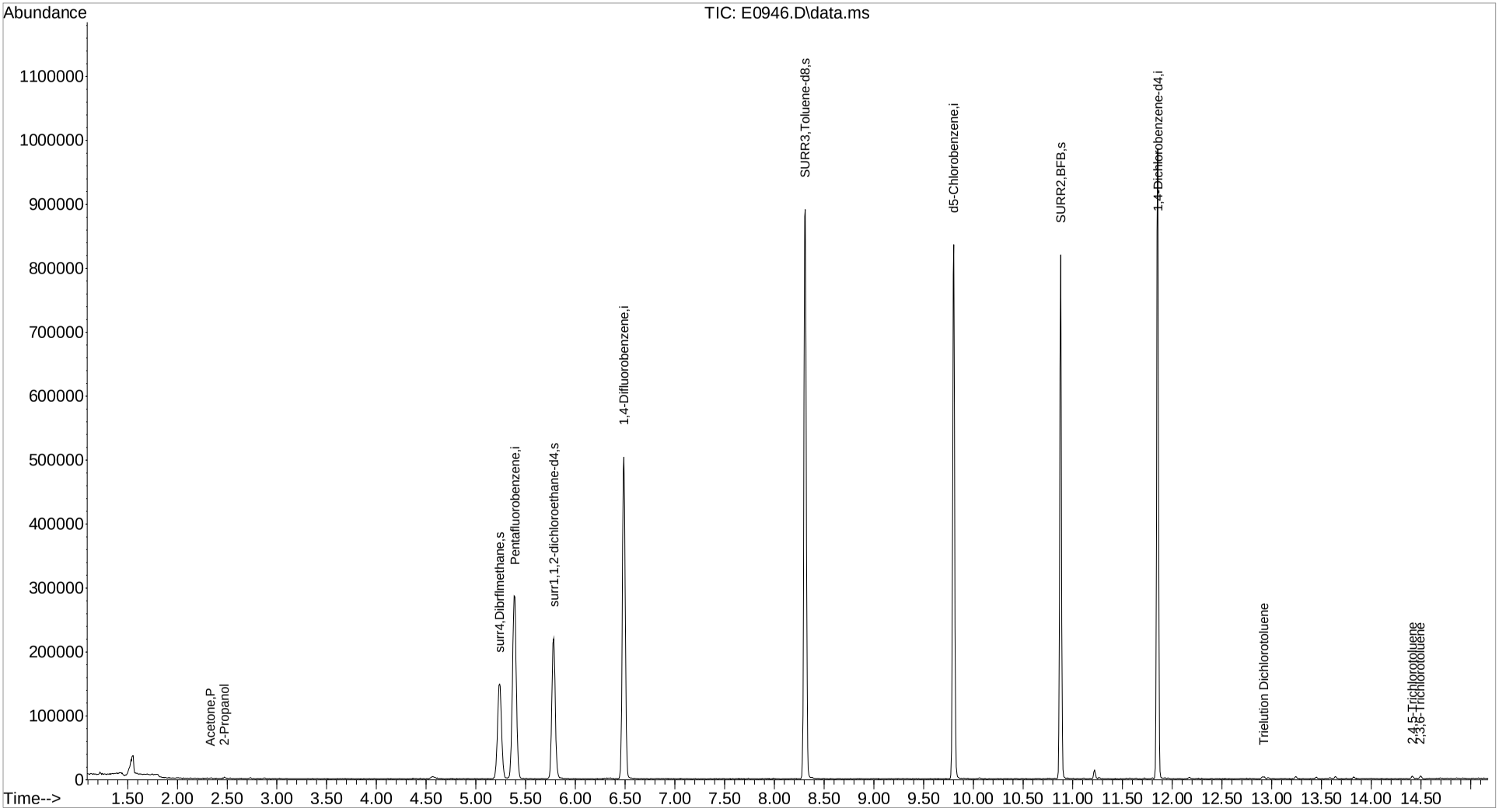
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.391	168	263257	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.488	114	414200	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.805	117	354893	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.853	152	180056	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.238	113	127309	46.92	ug/L	0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 93.84%			
46) surr1,1,2-dichloroetha...	5.781	65	190651	49.83	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 99.66%			
64) SURR3,Toluene-d8	8.311	98	542720	48.33	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 96.66%			
69) SURR2,BFB	10.878	95	201335	46.34	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 92.68%			
Target Compounds						Qvalue
5) Bromomethane	1.581	94	318	Below Cal		79
15) Acetone	2.330	43	900	0.48	ug/L	85
16) 2-Propanol	2.471	45	610	1.56	ug/L #	41
111) Trielution Dichlorotol...	12.920	125	1751	0.33	ug/L	86
118) 2,4,5-Trichlorotoluene	14.413	159	919	0.36	ug/L	92
119) 2,3,6-Trichlorotoluene	14.493	159	869m	0.30	ug/L	

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

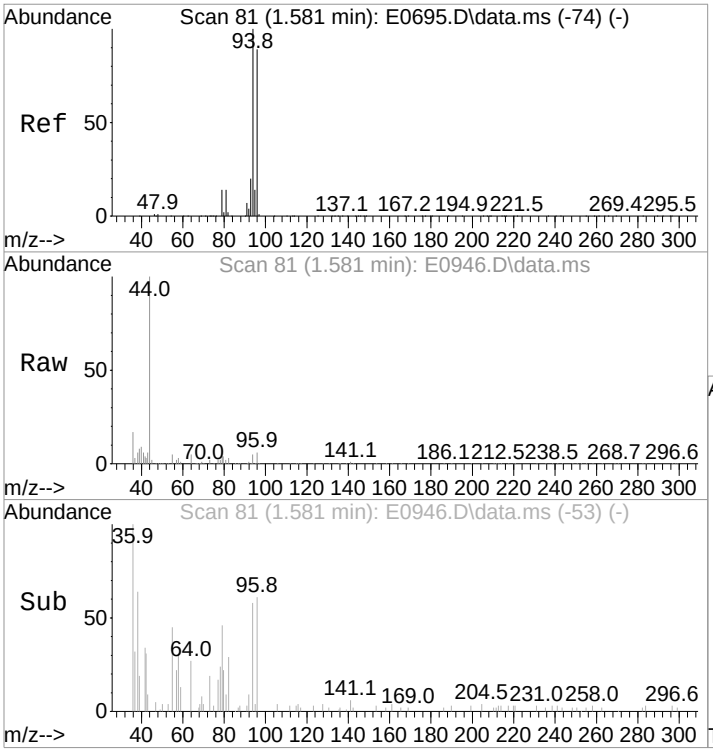
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\050819\
Data File : E0946.D
Acq On : 8 May 2019 11:26 am
Operator : D.LIPANI
Sample : MET BLK Inst : MSVOA10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 08 23:23:32 2019
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W043019.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 01 13:32:41 2019
Response via : Initial Calibration



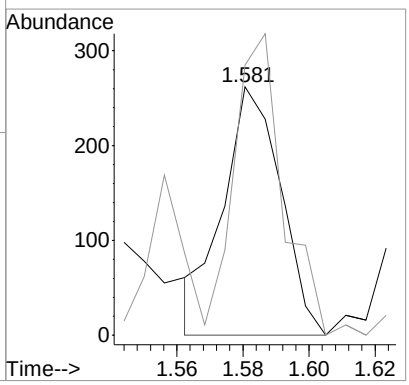
1st DL 05/08/19
2nd FJ 05/13/19

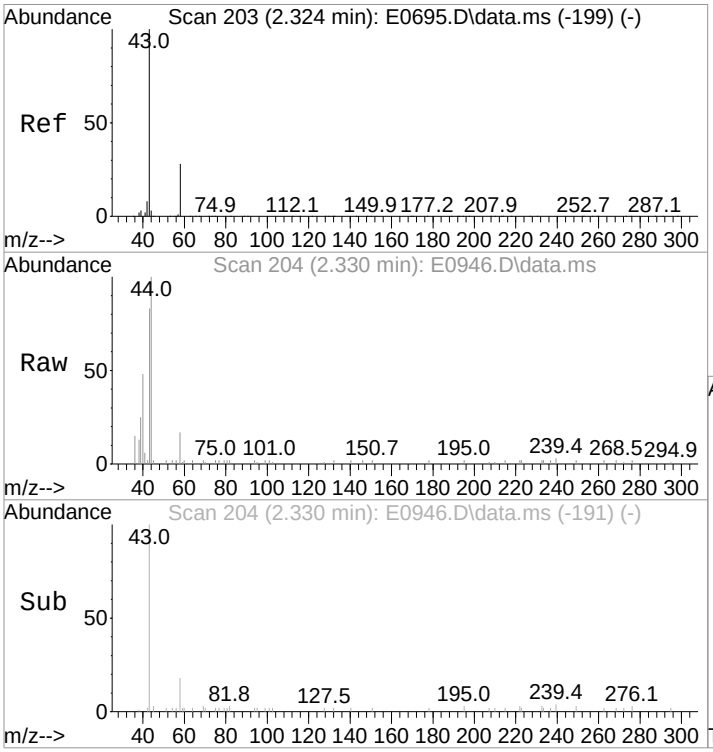


#5
Bromomethane
Concen: Below Cal
RT: 1.581 min Scan# 81
Delta R.T. 0.007 min
Lab File: E0946.D
Acq: 8 May 2019 11:26 am

Tgt Ion: 94 Resp: 318

Ion	Ratio	Lower	Upper
94	100		
96	108.8	69.0	109.0

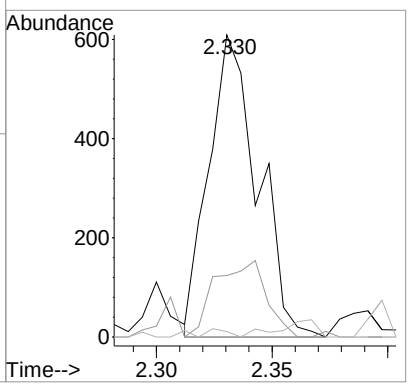


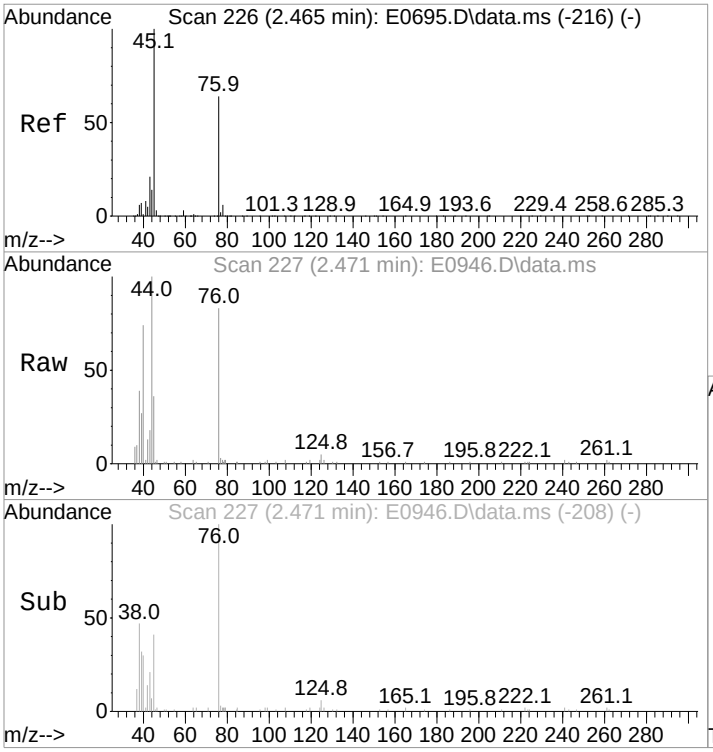


#15
Acetone
Concen: 0.48 ug/L
RT: 2.330 min Scan# 204
Delta R.T. 0.006 min
Lab File: E0946.D
Acq: 8 May 2019 11:26 am

Tgt Ion: 43 Resp: 900

Ion	Ratio	Lower	Upper
43	100		
58	20.4	7.8	47.8
42	1.8	0.0	27.8

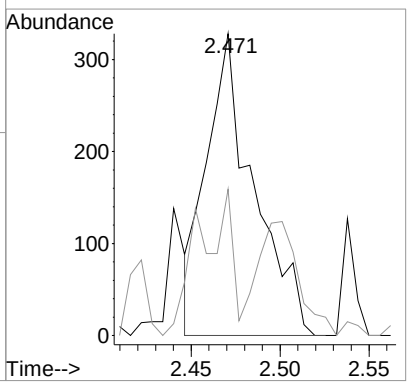


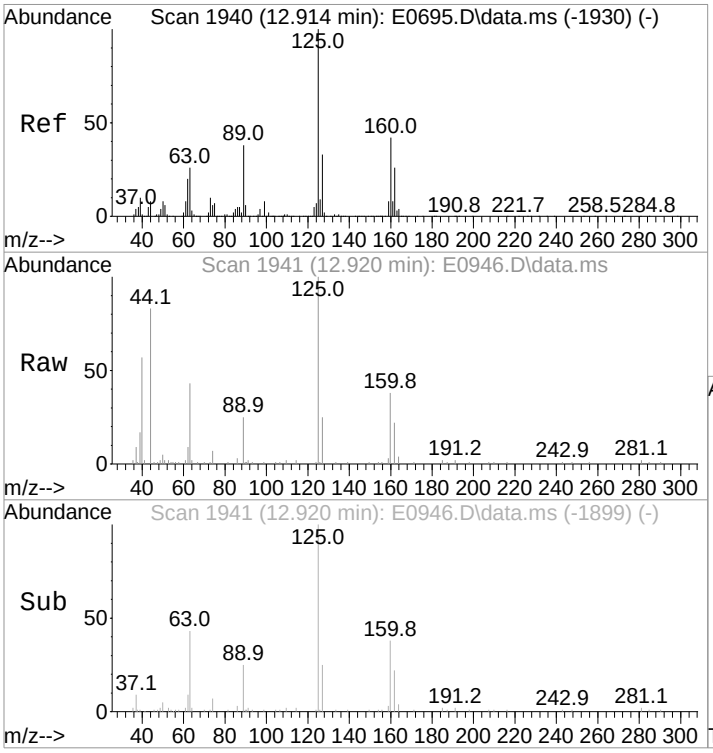


#16
2-Propanol
Concen: 1.56 ug/L
RT: 2.471 min Scan# 227
Delta R.T. 0.006 min
Lab File: E0946.D
Acq: 8 May 2019 11:26 am

Tgt Ion: 45 Resp: 610

Ion	Ratio	Lower	Upper
45	100		
43	48.5	0.9	40.9#

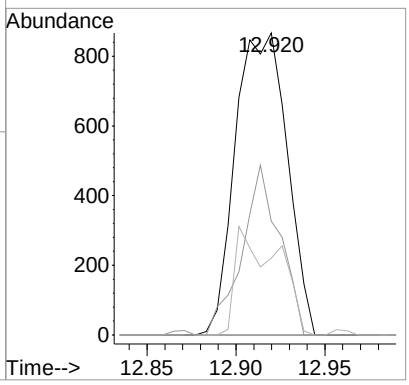


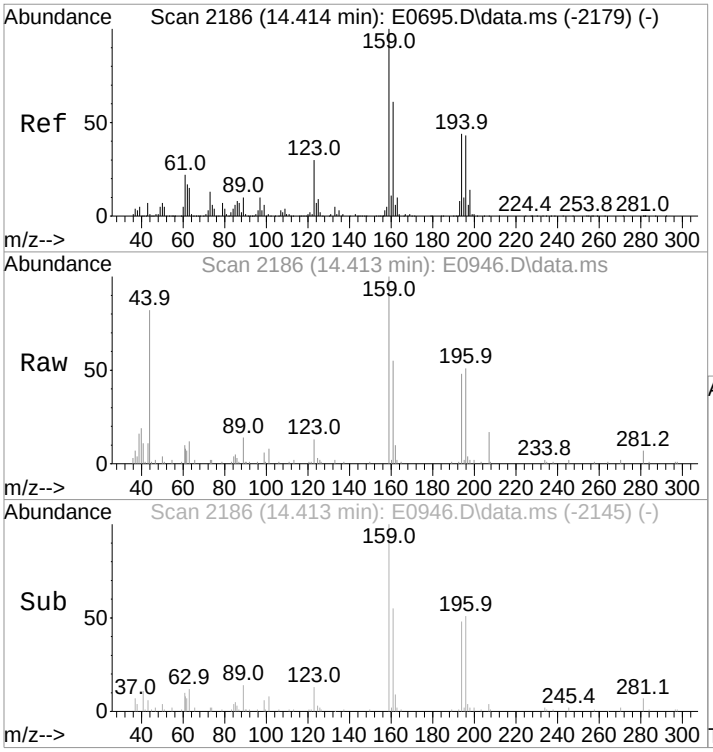


#111
Trielution Dichlorotoluene
Concen: 0.33 ug/L
RT: 12.920 min Scan# 1941
Delta R.T. 0.006 min
Lab File: E0946.D
Acq: 8 May 2019 11:26 am

Tgt Ion:125 Resp: 1751

Ion	Ratio	Lower	Upper
125	100		
160	37.7	22.3	62.3
89	25.4	17.9	57.9

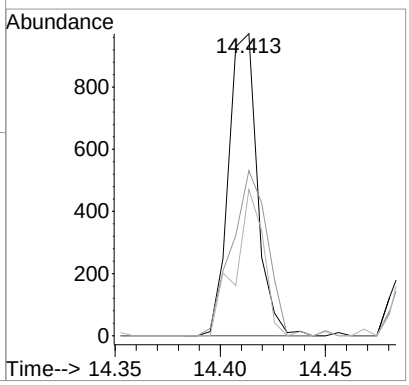


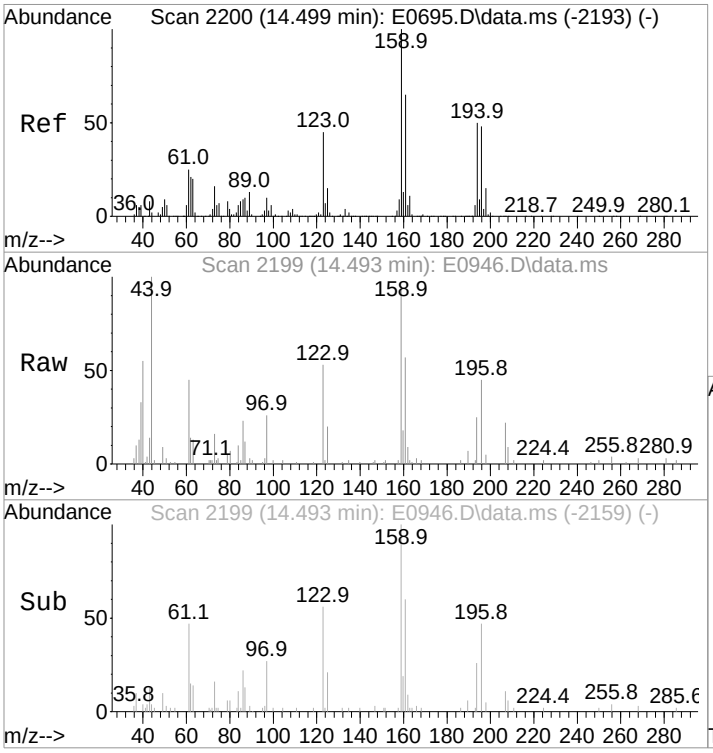


#118
2,4,5-Trichlorotoluene
Concen: 0.36 ug/L
RT: 14.413 min Scan# 2186
Delta R.T. -0.000 min
Lab File: E0946.D
Acq: 8 May 2019 11:26 am

Tgt Ion:159 Resp: 919

Ion	Ratio	Lower	Upper
159	100		
161	54.6	41.2	81.2
194	48.5	24.5	64.5

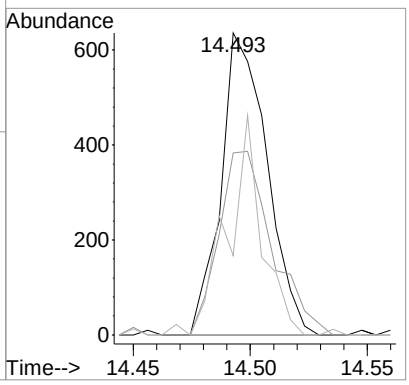




#119
2,3,6-Trichlorotoluene
Concen: 0.30 ug/L m
RT: 14.493 min Scan# 2199
Delta R.T. -0.006 min
Lab File: E0946.D
Acq: 8 May 2019 11:26 am

Tgt Ion:159 Resp: 869

Ion	Ratio	Lower	Upper
159	100		
161	60.2	45.0	85.0
194	26.3	29.6	69.6#

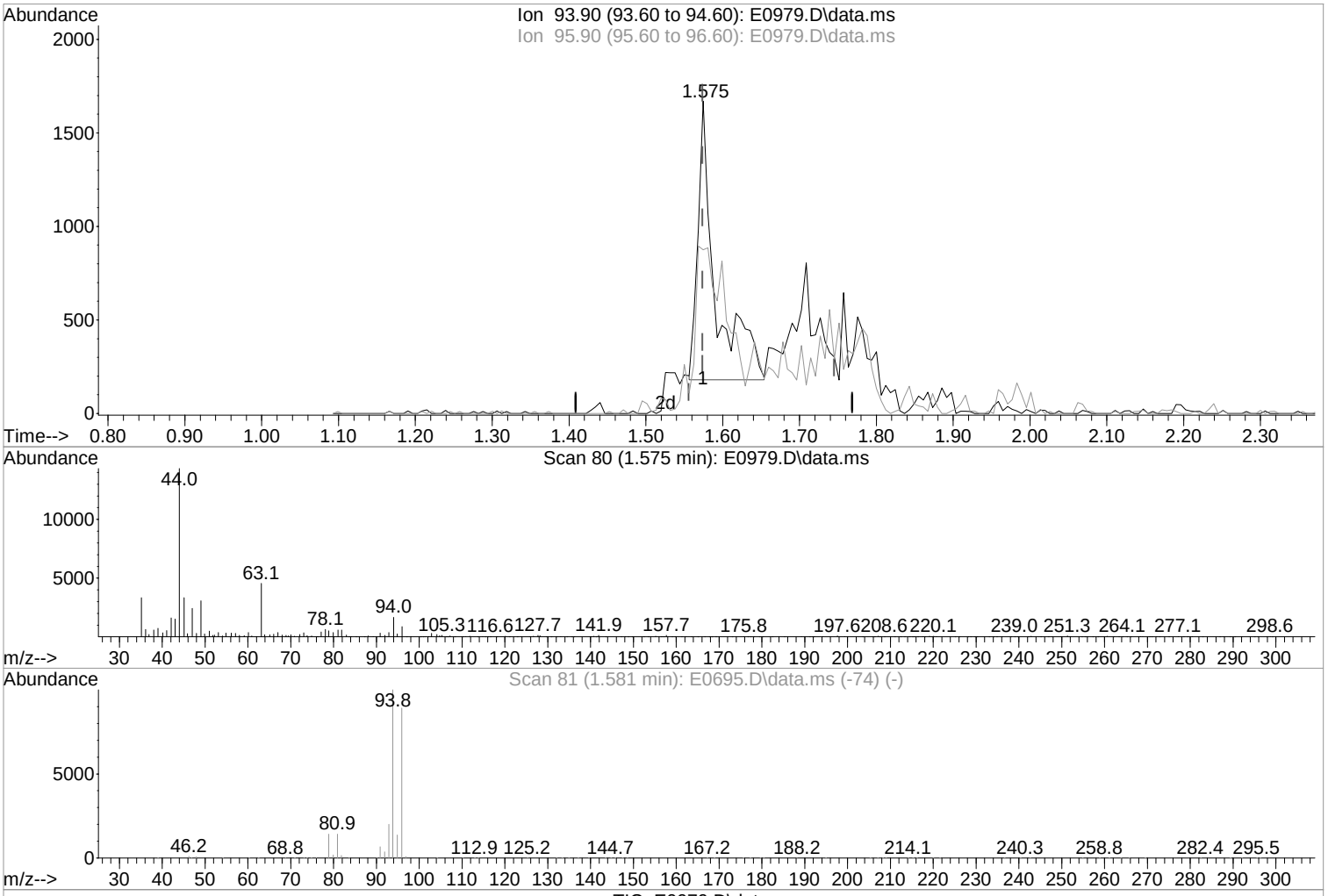


1st DL 05/13/19
2nd FW 05/13/19

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\051019\
Data File : E0979.D
Acq On : 10 May 2019 12:34 pm
Operator : D.LIPANI
Sample : MET BLK-Med Inst : MSVOA10
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 10 13:41:59 2019
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W043019.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 01 13:32:41 2019
Response via : Initial Calibration



TIC: E0979.D\data.ms

(5) Bromomethane (P)

1.575min (+0.001) 0.19 ug/L m

response 2392

Ion	Exp%	Act%
93.90	100	100
95.90	89.00	52.43#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

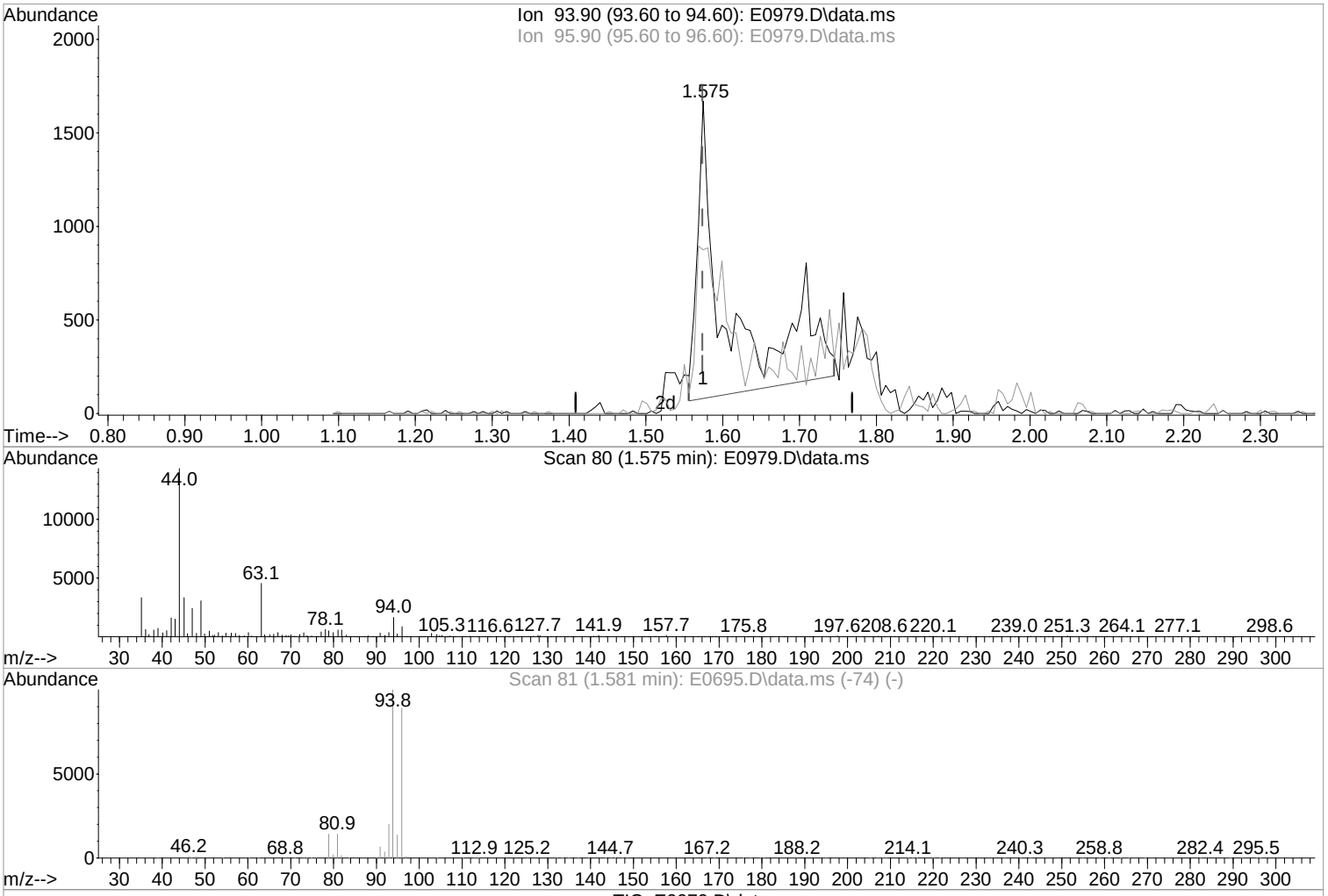
05/12/19

1st DL 05/13/19
2nd FW 05/13/19

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\051019\
Data File : E0979.D
Acq On : 10 May 2019 12:34 pm
Operator : D.LIPANI
Sample : MET BLK-Med Inst : MSVOA10
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 10 13:41:59 2019
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W043019.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 01 13:32:41 2019
Response via : Initial Calibration



TIC: E0979.D\data.ms

(5) Bromomethane (P)

1.575min (+0.001) 0.96 ug/L

response 4259

Ion	Exp%	Act%
93.90	100	100
95.90	89.00	52.43#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

05/12/19

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\051019\
Data File : E0979.D
Acq On : 10 May 2019 12:34 pm
Operator : D.LIPANI
Sample : MET BLK-Med Inst : MSVOA10
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 12 13:16:35 2019
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W043019.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 01 13:32:41 2019
Response via : Initial Calibration

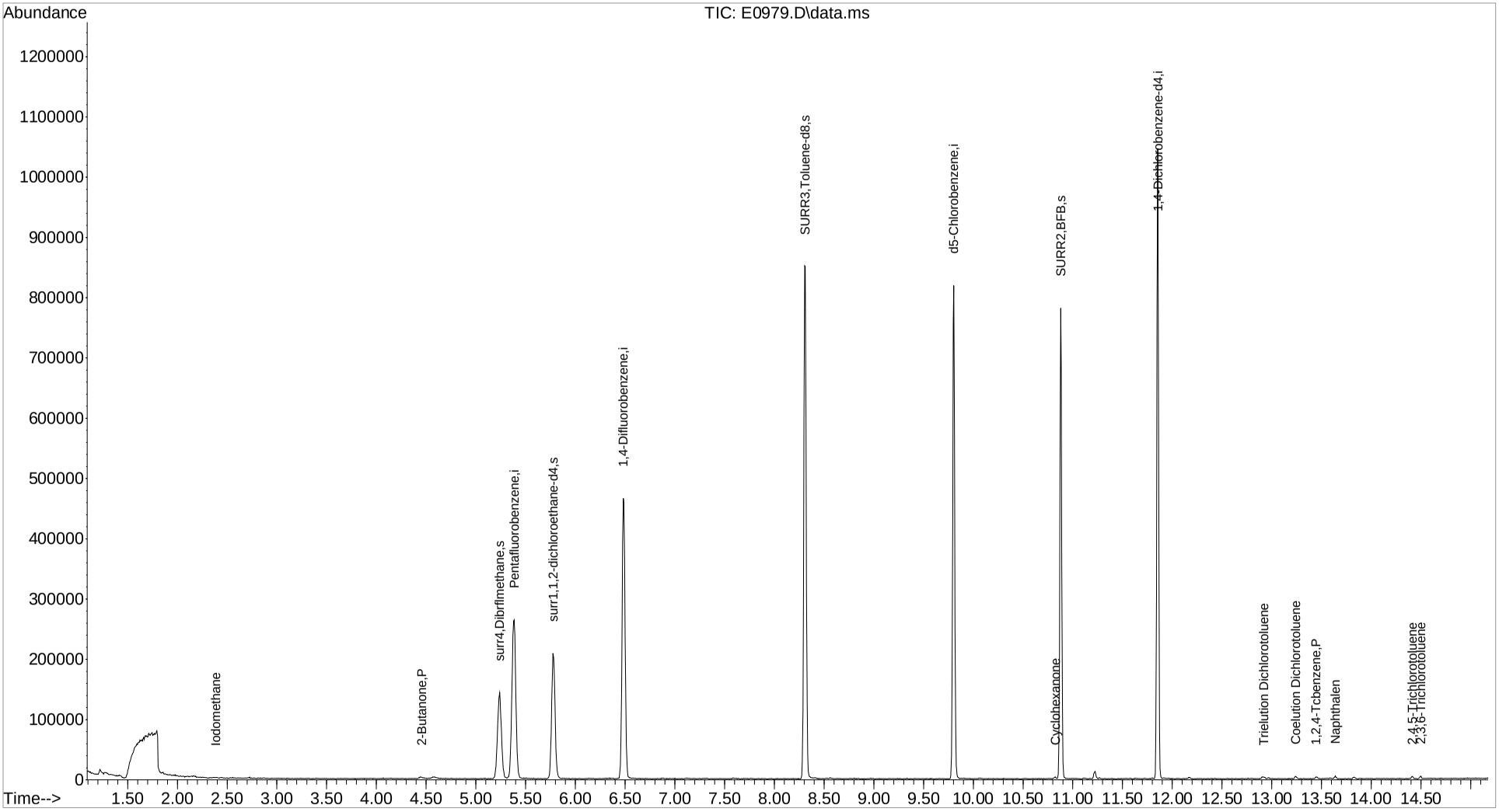
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.385	168	245763	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.482	114	389709	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.805	117	343842	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.853	152	187300	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.238	113	118069	46.25	ug/L	0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 92.50%			
46) surr1,1,2-dichloroetha...	5.775	65	177288	49.25	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 98.50%			
64) SURR3,Toluene-d8	8.311	98	514501	48.70	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 97.40%			
69) SURR2,BFB	10.878	95	205088	50.17	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 100.34%			
Target Compounds						Qvalue
17) Iodomethane	2.385	142	669	1.65	ug/L	77
34) 2-Butanone	4.458	43	5046	2.26	ug/L	86
88) Cyclohexanone	10.823	55	1052	1.44	ug/L	93
111) Trielution Dichlorotol...	12.920	125	1471	0.27	ug/L	85
113) Coelution Dichlorotoluene	13.243	125	1311	0.22	ug/L	79
114) 1,2,4-Tcbenzene	13.444	180	1032	0.22	ug/L #	71
116) Naphthalen	13.639	128	2541	0.20	ug/L	98
118) 2,4,5-Trichlorotoluene	14.414	159	828	0.31	ug/L	88
119) 2,3,6-Trichlorotoluene	14.499	159	882	0.29	ug/L	83

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

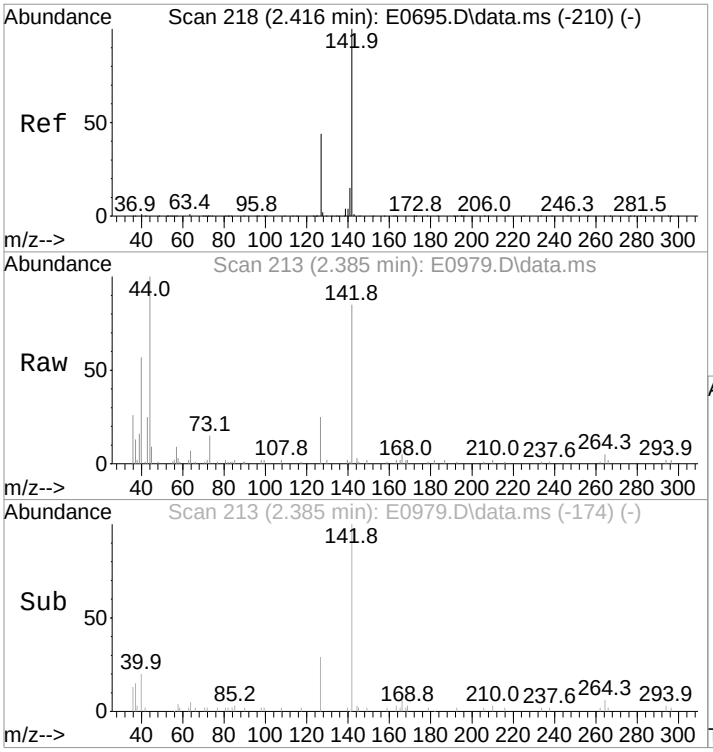
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\051019\
Data File : E0979.D
Acq On : 10 May 2019 12:34 pm
Operator : D.LIPANI
Sample : MET BLK-Med Inst : MSVOA10
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 12 13:16:35 2019
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W043019.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 01 13:32:41 2019
Response via : Initial Calibration



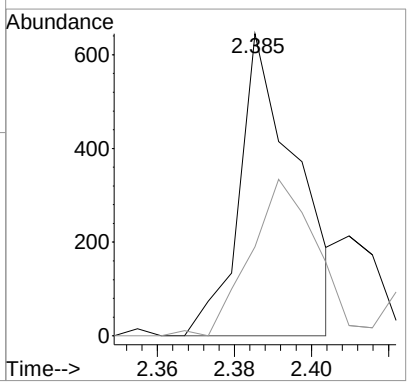
1st DL 05/13/19
2nd FJ 05/13/19

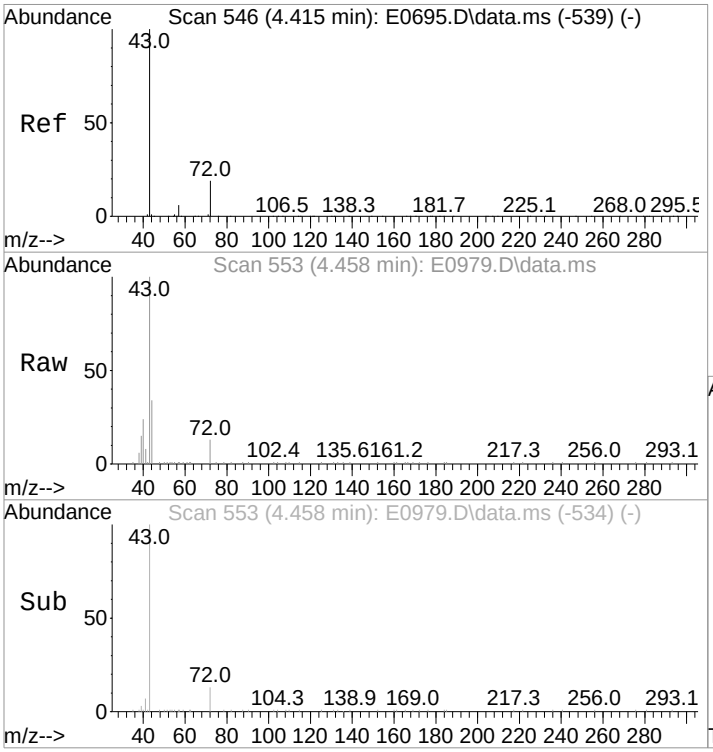


#17
Iodomethane
Concen: 1.65 ug/L
RT: 2.385 min Scan# 213
Delta R.T. -0.024 min
Lab File: E0979.D
Acq: 10 May 2019 12:34 pm

Tgt Ion:142 Resp: 669

Ion	Ratio	Lower	Upper
142	100		
127	29.5	24.4	64.4

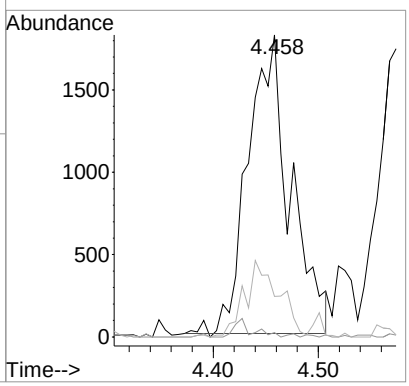


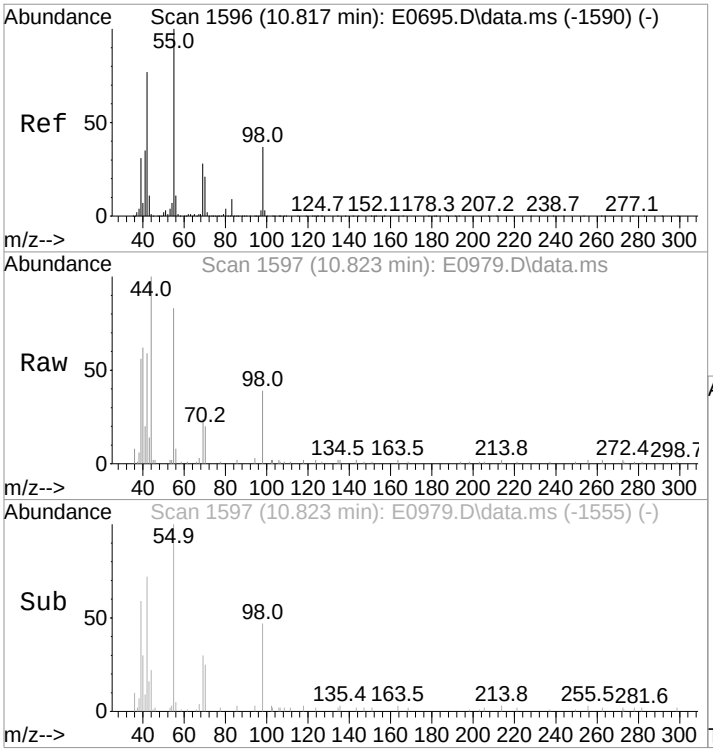


#34
2-Butanone
Concen: 2.26 ug/L
RT: 4.458 min Scan# 553
Delta R.T. 0.043 min
Lab File: E0979.D
Acq: 10 May 2019 12:34 pm

Tgt Ion: 43 Resp: 5046

Ion	Ratio	Lower	Upper
43	100		
57	1.5	0.0	25.7
72	13.5	0.0	40.0

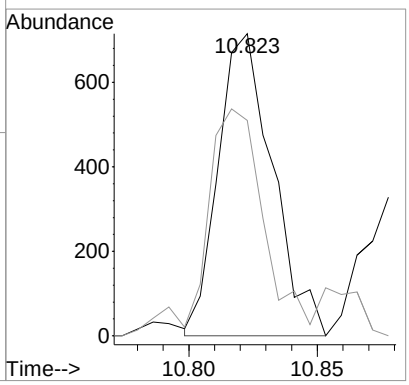


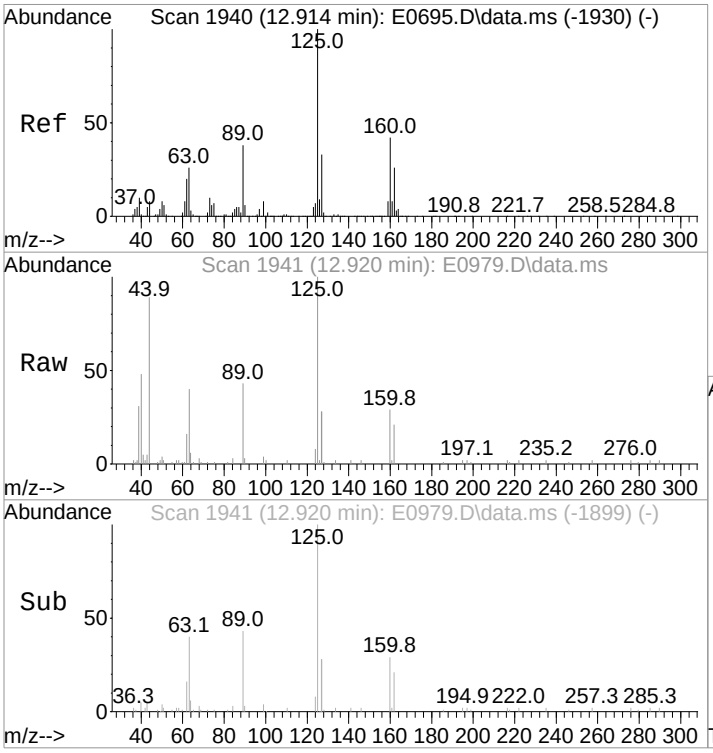


#88
Cyclohexanone
Concen: 1.44 ug/L
RT: 10.823 min Scan# 1597
Delta R.T. 0.007 min
Lab File: E0979.D
Acq: 10 May 2019 12:34 pm

Tgt Ion: 55 Resp: 1052

Ion	Ratio	Lower	Upper
55	100		
42	71.3	57.1	97.1

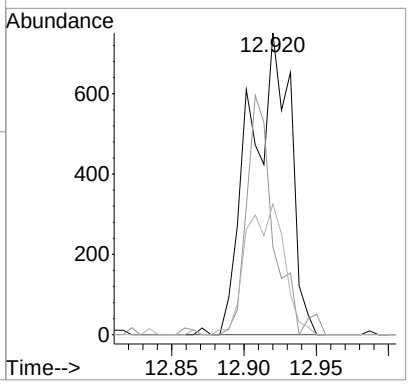


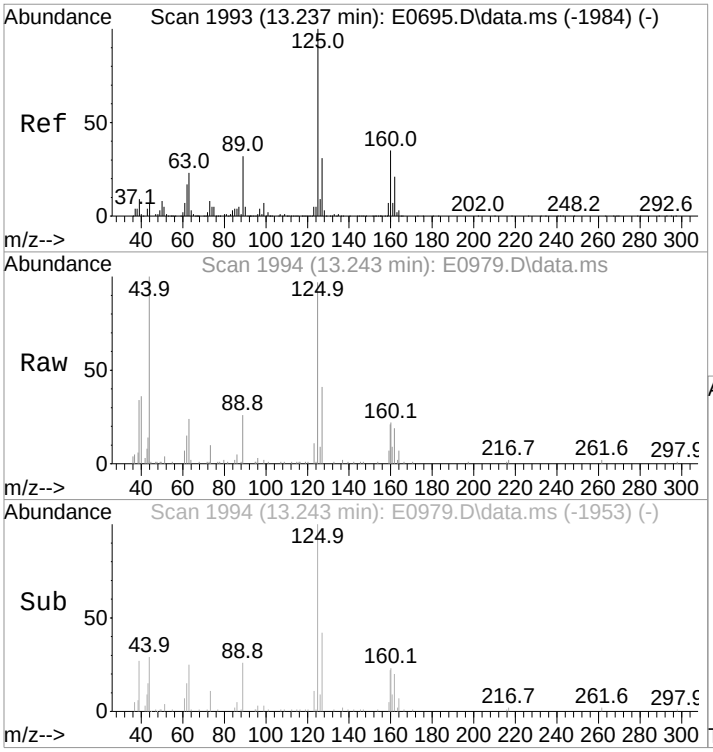


#111
Trielution Dichlorotoluene
Concen: 0.27 ug/L
RT: 12.920 min Scan# 1941
Delta R.T. 0.006 min
Lab File: E0979.D
Acq: 10 May 2019 12:34 pm

Tgt Ion:125 Resp: 1471

Ion	Ratio	Lower	Upper
125	100		
160	29.0	22.3	62.3
89	43.3	17.9	57.9

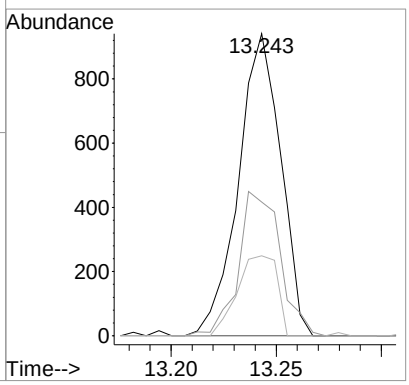


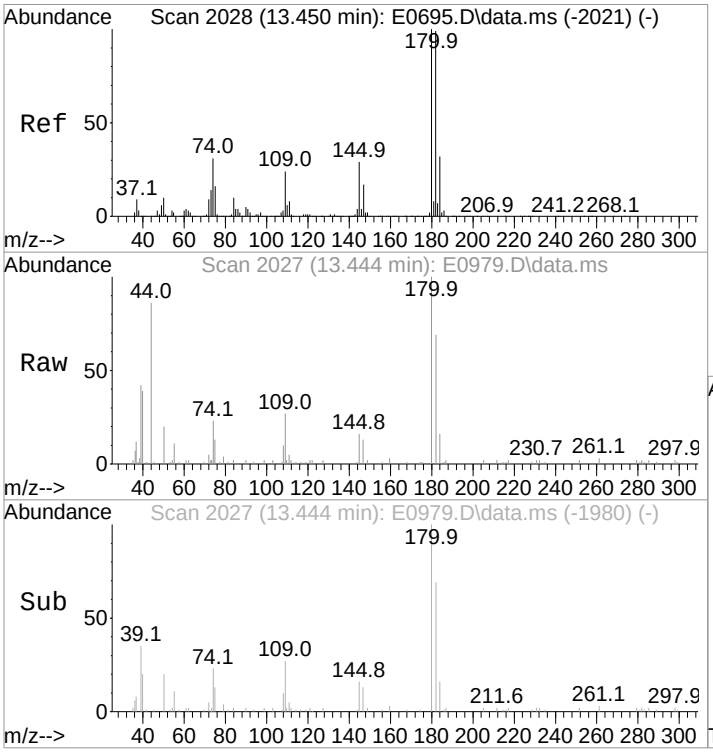


#113
Coelution Dichlorotoluene
Concen: 0.22 ug/L
RT: 13.243 min Scan# 1994
Delta R.T. -0.000 min
Lab File: E0979.D
Acq: 10 May 2019 12:34 pm

Tgt Ion:125 Resp: 1311

Ion	Ratio	Lower	Upper
125	100		
160	53.8	15.4	55.4
89	26.5	11.9	51.9

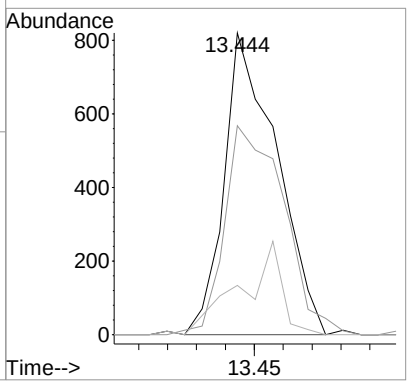


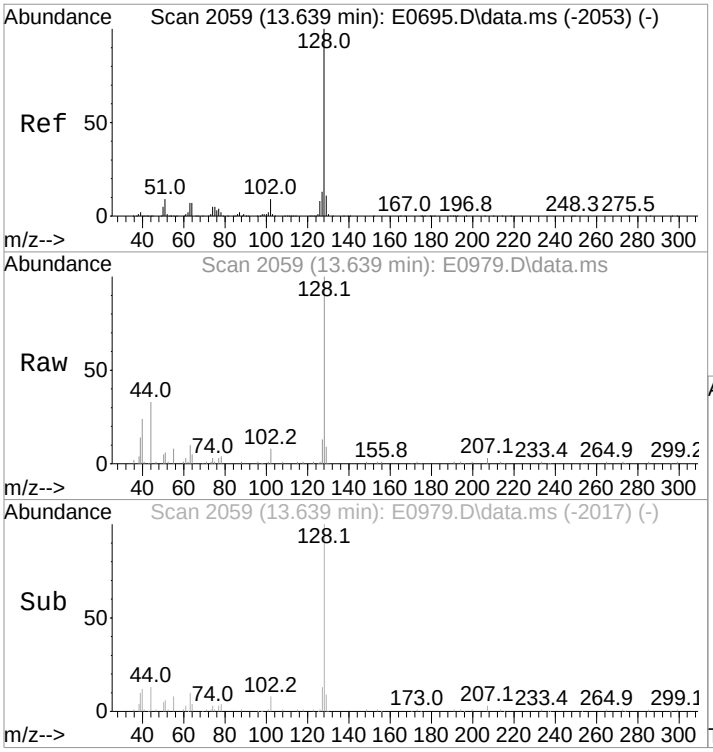


#114
1,2,4-Tcbenzene
Concen: 0.22 ug/L
RT: 13.444 min Scan# 2027
Delta R.T. -0.006 min
Lab File: E0979.D
Acq: 10 May 2019 12:34 pm

Tgt Ion:180 Resp: 1032

Ion	Ratio	Lower	Upper
180	100		
182	69.3	79.4	119.4#
145	16.3	9.2	49.2

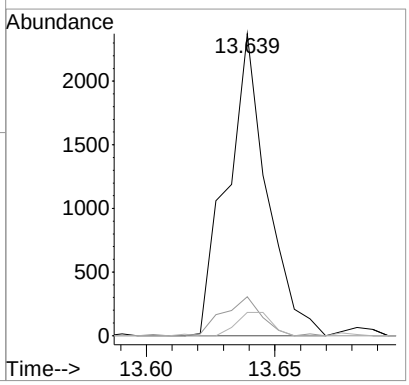


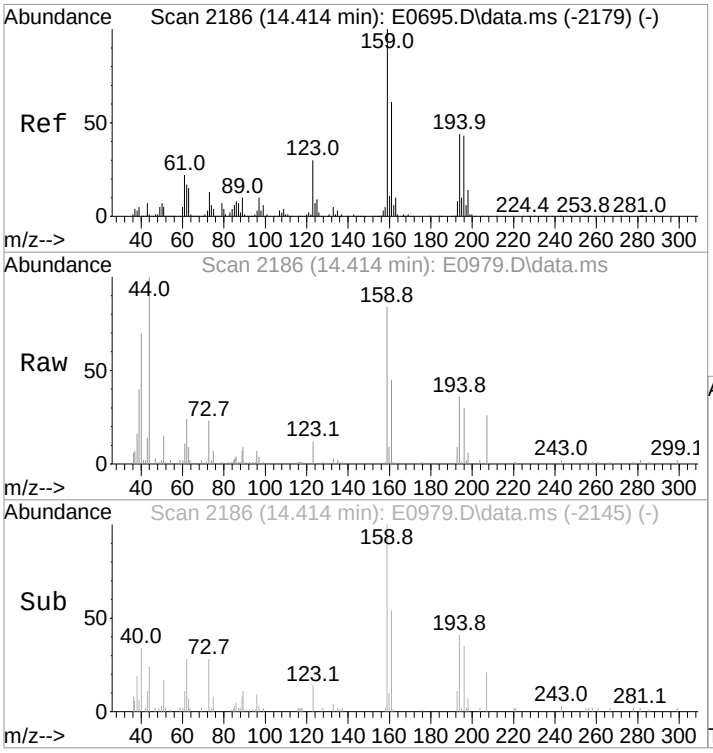


#116
Naphthalen
Concen: 0.20 ug/L
RT: 13.639 min Scan# 2059
Delta R.T. -0.000 min
Lab File: E0979.D
Acq: 10 May 2019 12:34 pm

Tgt Ion:128 Resp: 2541

Ion	Ratio	Lower	Upper
128	100		
127	12.9	0.0	33.4
102	7.8	0.0	28.9

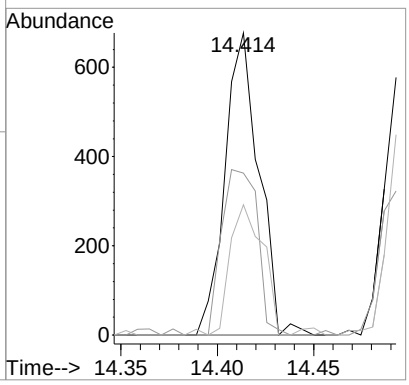


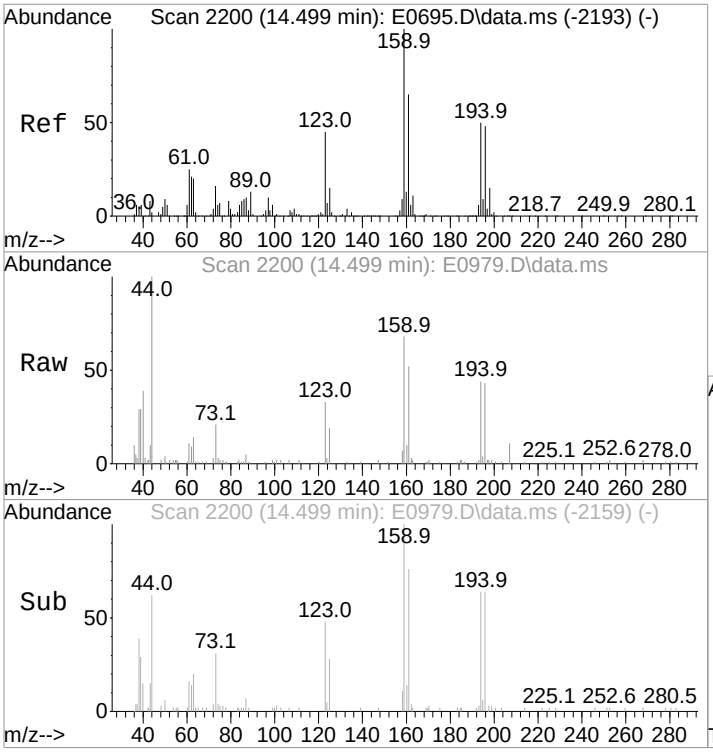


#118
2,4,5-Trichlorotoluene
Concen: 0.31 ug/L
RT: 14.414 min Scan# 2186
Delta R.T. -0.000 min
Lab File: E0979.D
Acq: 10 May 2019 12:34 pm

Tgt Ion:159 Resp: 828

Ion	Ratio	Lower	Upper
159	100		
161	49.9	41.2	81.2
194	39.0	24.5	64.5

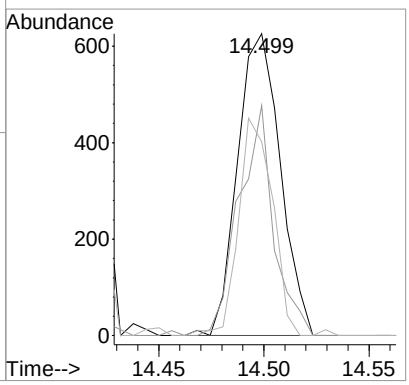




#119
2,3,6-Trichlorotoluene
Concen: 0.29 ug/L
RT: 14.499 min Scan# 2200
Delta R.T. -0.000 min
Lab File: E0979.D
Acq: 10 May 2019 12:34 pm

Tgt Ion:159 Resp: 882

Ion	Ratio	Lower	Upper
159	100		
161	76.2	45.0	85.0
194	64.2	29.6	69.6

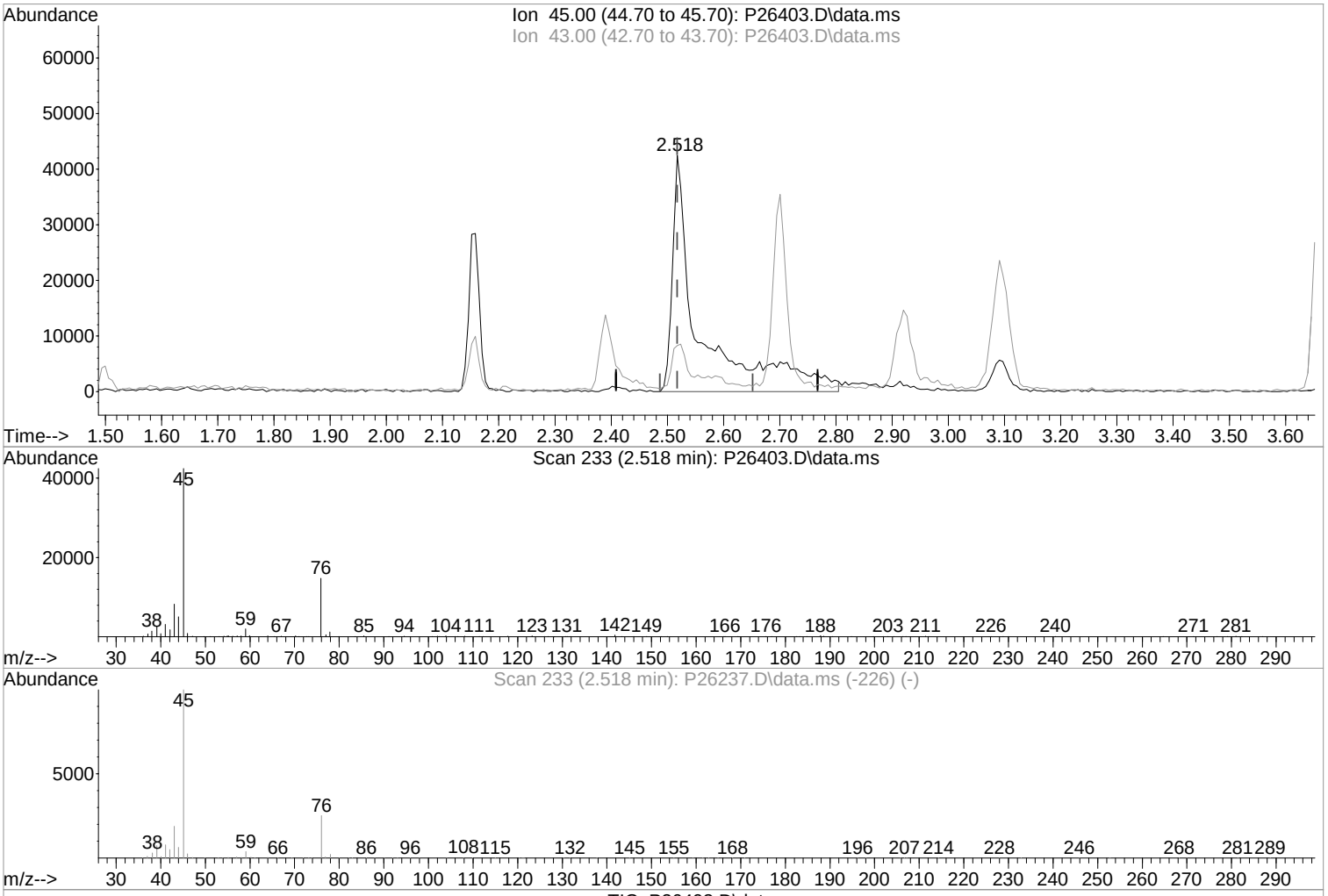


1st 05/06/19
2nd 05/08/19

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050619\
Data File : P26403.D
Acq On : 6 May 2019 12:03 pm
Operator : K.Ruest
Sample : LCS-ACID Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 06 12:18:46 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu May 02 11:39:03 2019
Response via : Initial Calibration



TIC: P26403.D\data.ms

(16) 2-Propanol

2.518min (+0.000) 346.29 ppb m

response 143262

Ion	Exp%	Act%
45.00	100	100
43.00	19.10	19.42
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

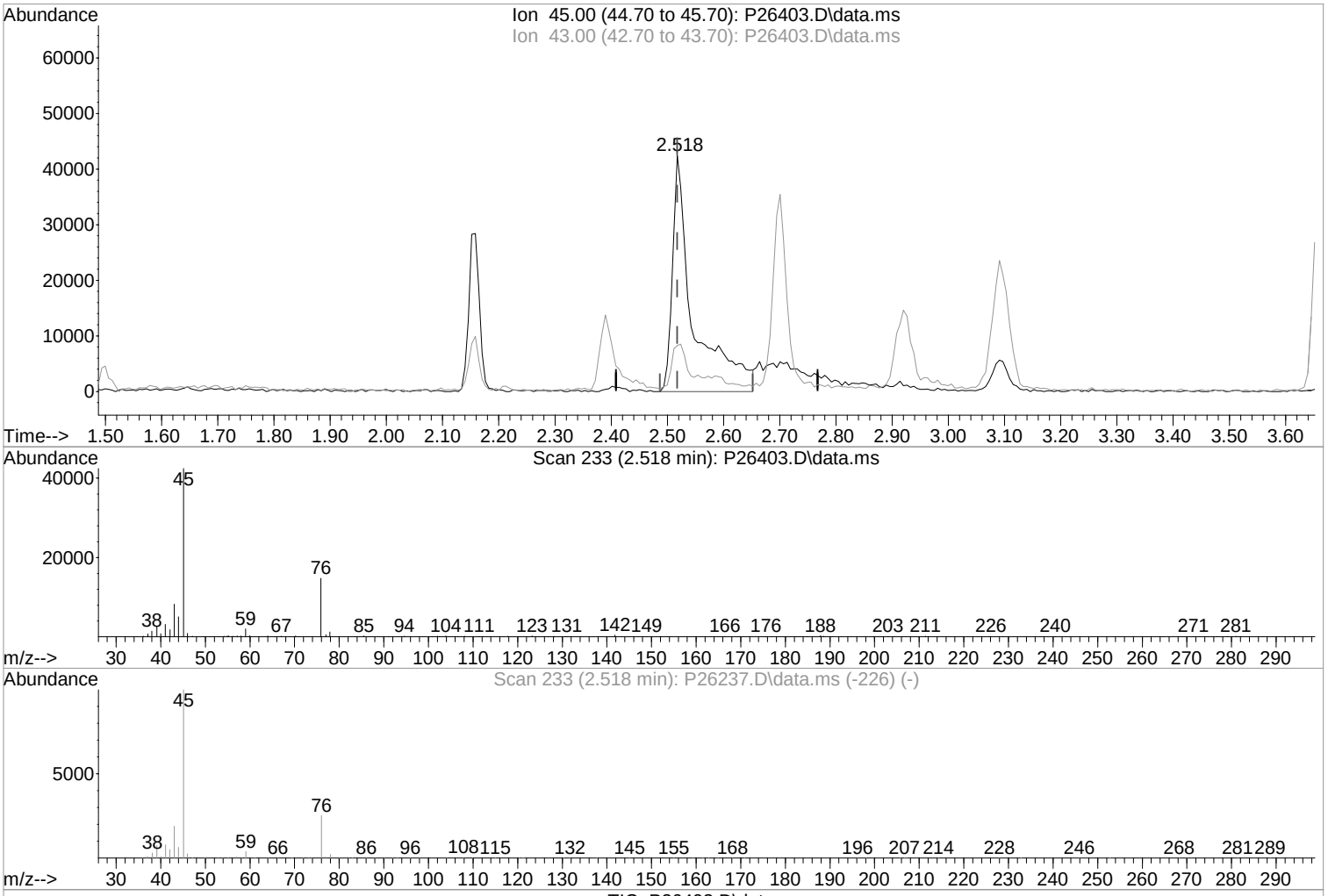
05/06/19

1st 05/06/19
2nd 05/08/19

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050619\
Data File : P26403.D
Acq On : 6 May 2019 12:03 pm
Operator : K.Ruest
Sample : LCS-ACID Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 06 12:18:46 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu May 02 11:39:03 2019
Response via : Initial Calibration



TIC: P26403.D\data.ms

(16) 2-Propanol

2.518min (+0.000) 265.36 ppb

response 109780

Ion	Exp%	Act%
45.00	100	100
43.00	19.10	19.42
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

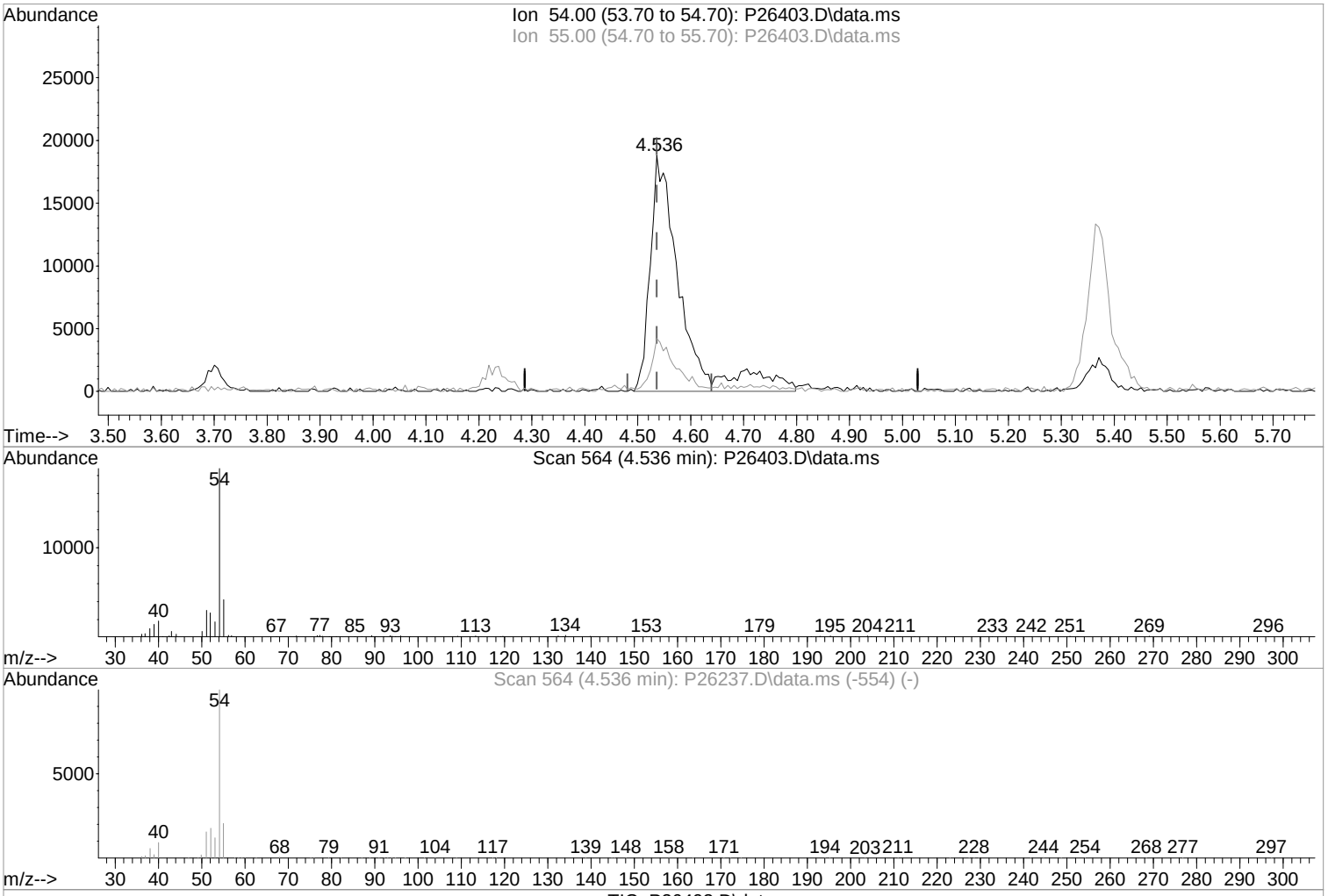
05/06/19

1st 05/06/19
2nd 05/08/19

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050619\
Data File : P26403.D
Acq On : 6 May 2019 12:03 pm
Operator : K.Ruest
Sample : LCS-ACID Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 06 12:18:46 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu May 02 11:39:03 2019
Response via : Initial Calibration



TIC: P26403.D\data.ms

(36) Propionitrile

4.536min (+0.000) 99.75 ppb m

response 76580

Ion	Exp%	Act%
54.00	100	100
55.00	21.30	22.38
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

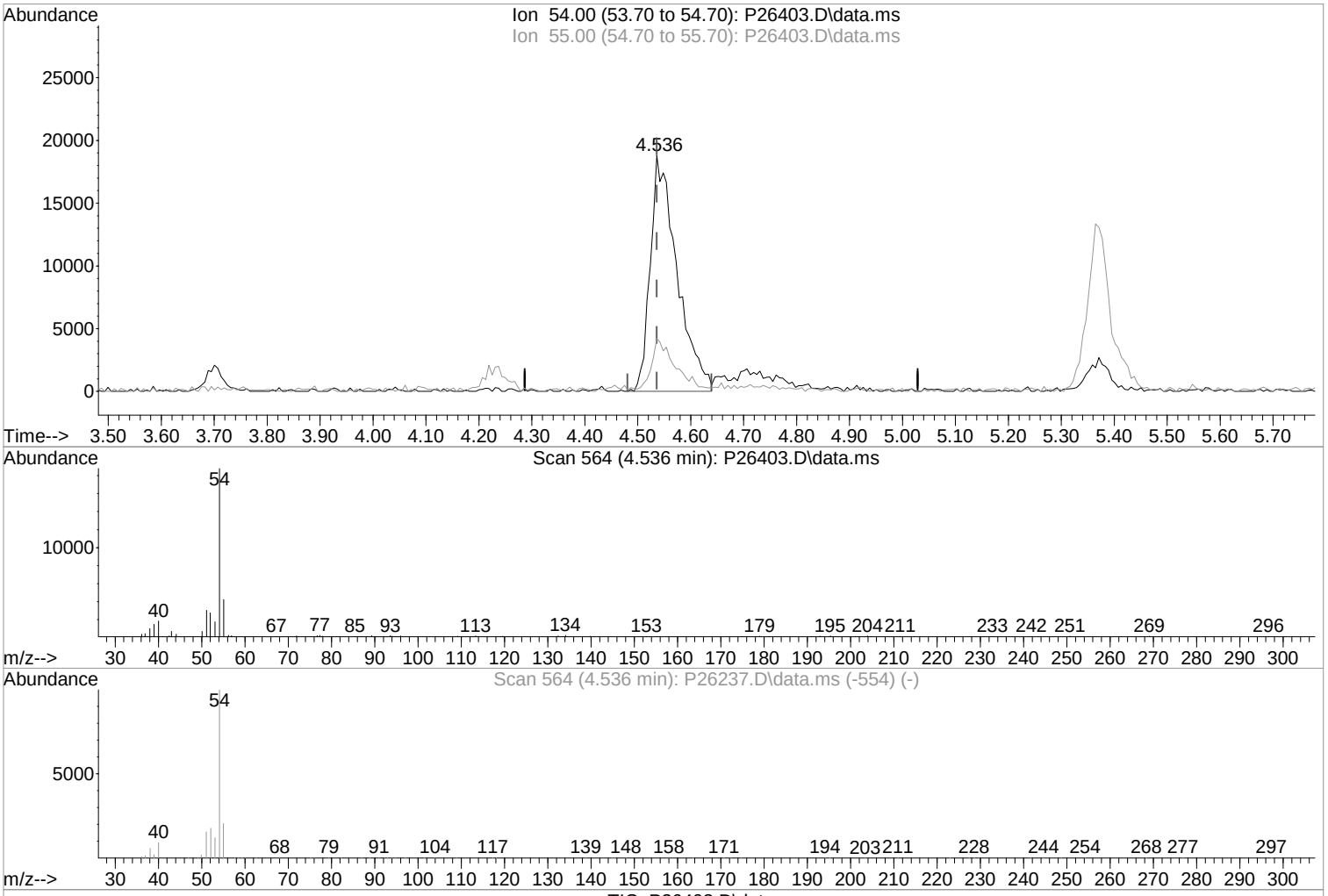
05/06/19

1st 05/06/19
2nd 05/08/19

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050619\
Data File : P26403.D
Acq On : 6 May 2019 12:03 pm
Operator : K.Ruest
Sample : LCS-ACID Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 06 12:18:46 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu May 02 11:39:03 2019
Response via : Initial Calibration



TIC: P26403.D\data.ms

(36) Propionitrile

4.536min (+0.000) 85.85 ppb

response 65909

Ion	Exp%	Act%
54.00	100	100
55.00	21.30	22.38
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

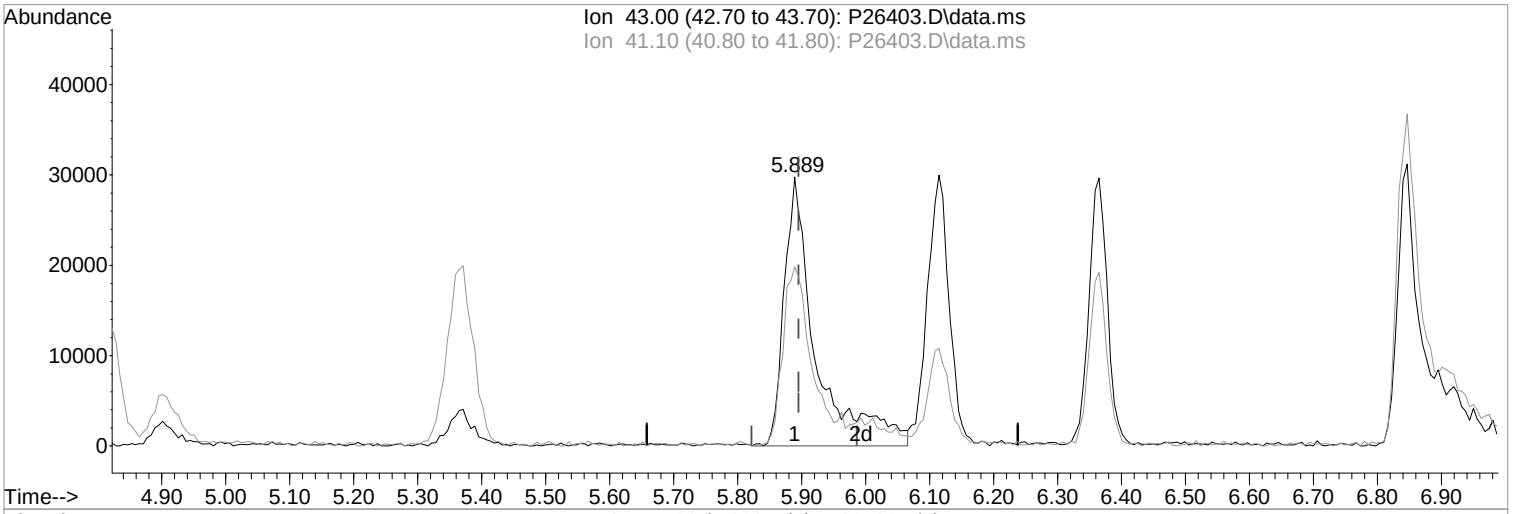
05/06/19

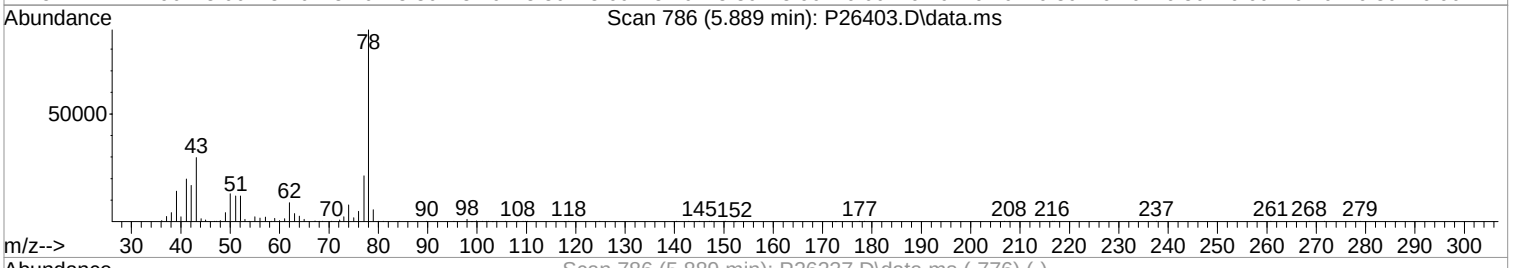
1st 05/06/19
2nd 05/08/19

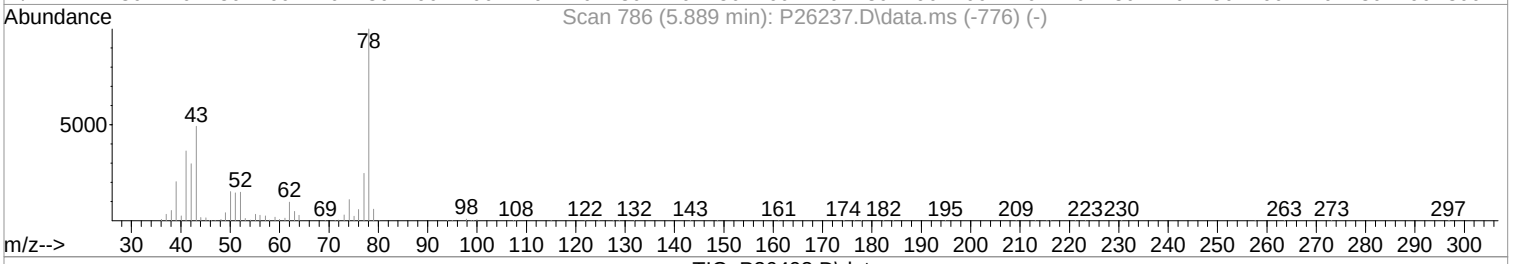
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050619\
Data File : P26403.D
Acq On : 6 May 2019 12:03 pm
Operator : K.Ruest
Sample : LCS-ACID Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 06 12:18:46 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu May 02 11:39:03 2019
Response via : Initial Calibration







TIC: P26403.D\data.ms

(51) Iso-Butyl Alcohol

5.889min (-0.006) 330.99 ppb m

response 103283

Ion	Exp%	Act%
43.00	100	100
41.10	74.30	66.53
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

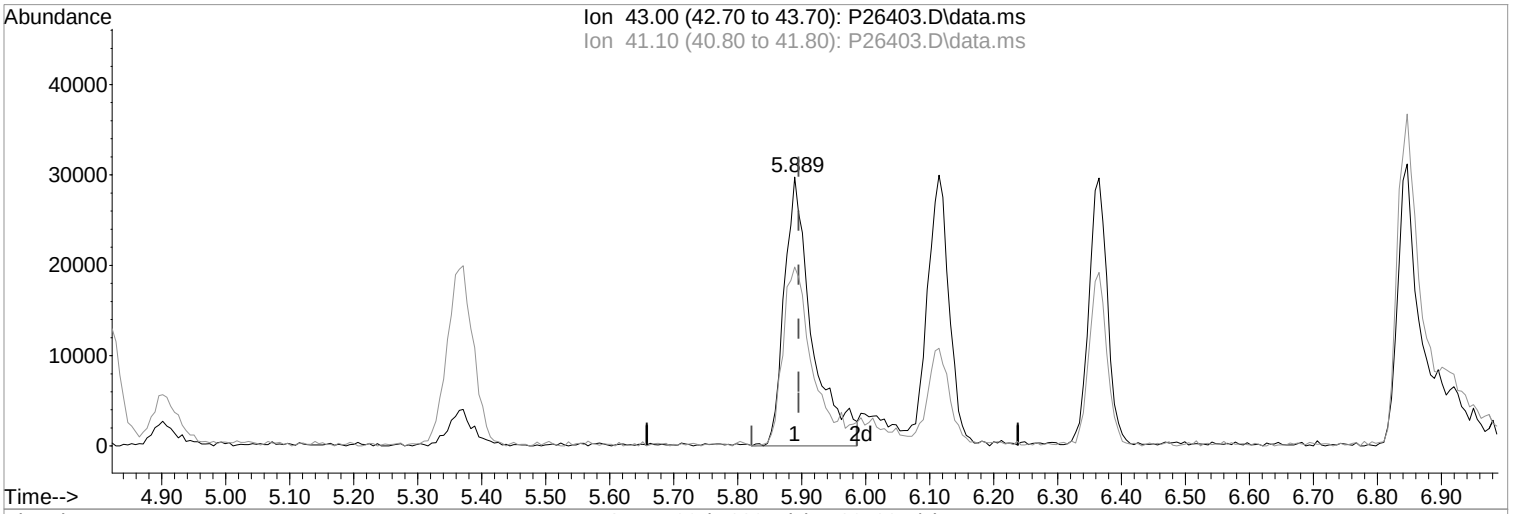
05/06/19

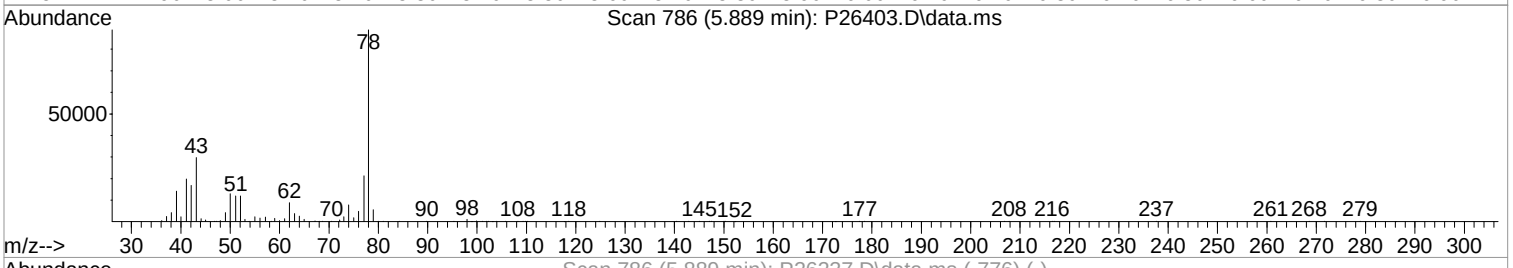
1st 05/06/19
2nd 05/08/19

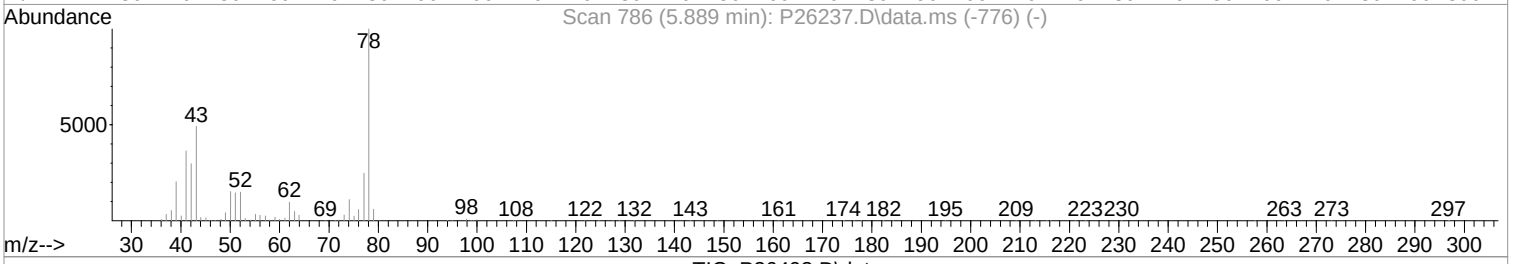
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050619\
Data File : P26403.D
Acq On : 6 May 2019 12:03 pm
Operator : K.Ruest
Sample : LCS-ACID Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 06 12:18:46 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu May 02 11:39:03 2019
Response via : Initial Calibration







TIC: P26403.D\data.ms

(51) Iso-Butyl Alcohol

5.889min (-0.006) 290.06 ppb

response 90511

Ion	Exp%	Act%
43.00	100	100
41.10	74.30	66.53
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

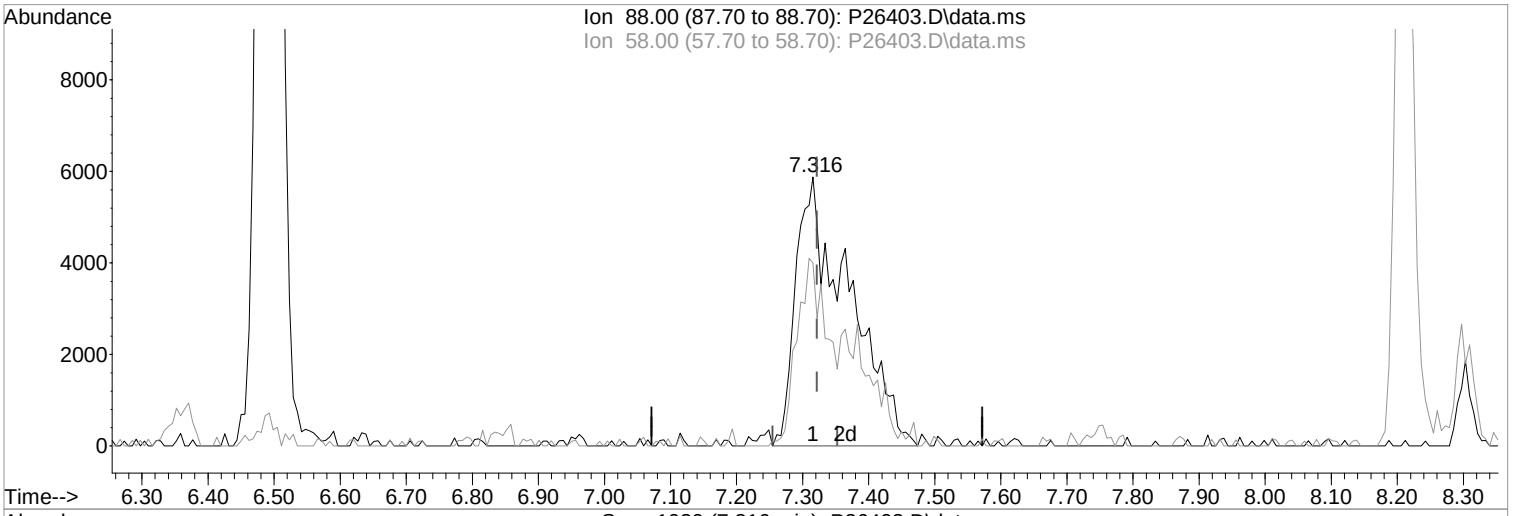
05/06/19

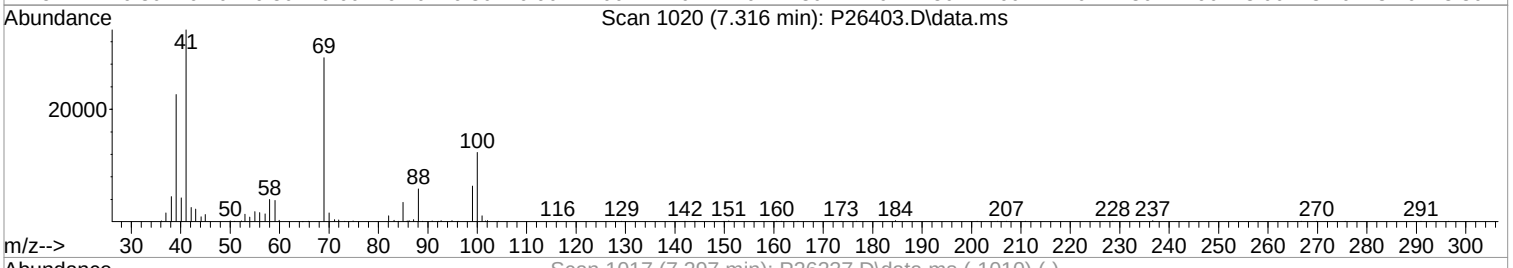
1st 05/06/19
2nd 05/08/19

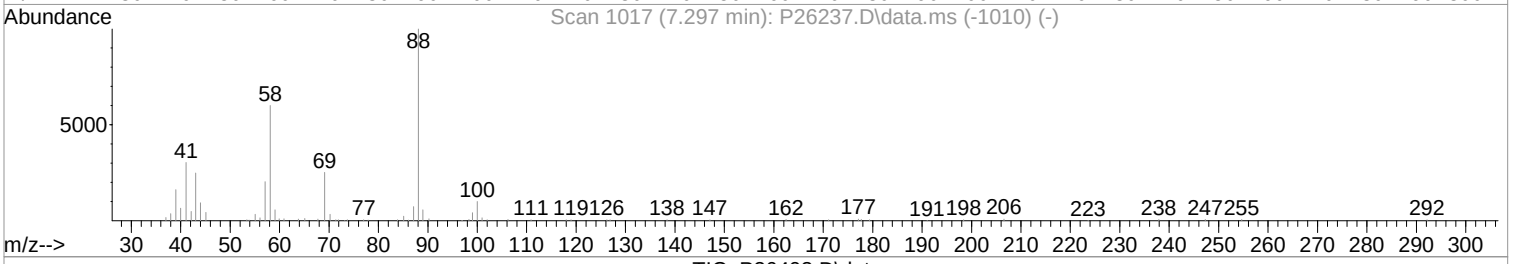
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050619\
Data File : P26403.D
Acq On : 6 May 2019 12:03 pm
Operator : K.Ruest
Sample : LCS-ACID Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 06 12:18:46 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu May 02 11:39:03 2019
Response via : Initial Calibration







TIC: P26403.D\data.ms

(58) 1,4-Dioxane

7.316min (-0.006) 349.67 ppb m

response 32701

Ion	Exp%	Act%
88.00	100	100
58.00	60.00	68.15
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Split Peak

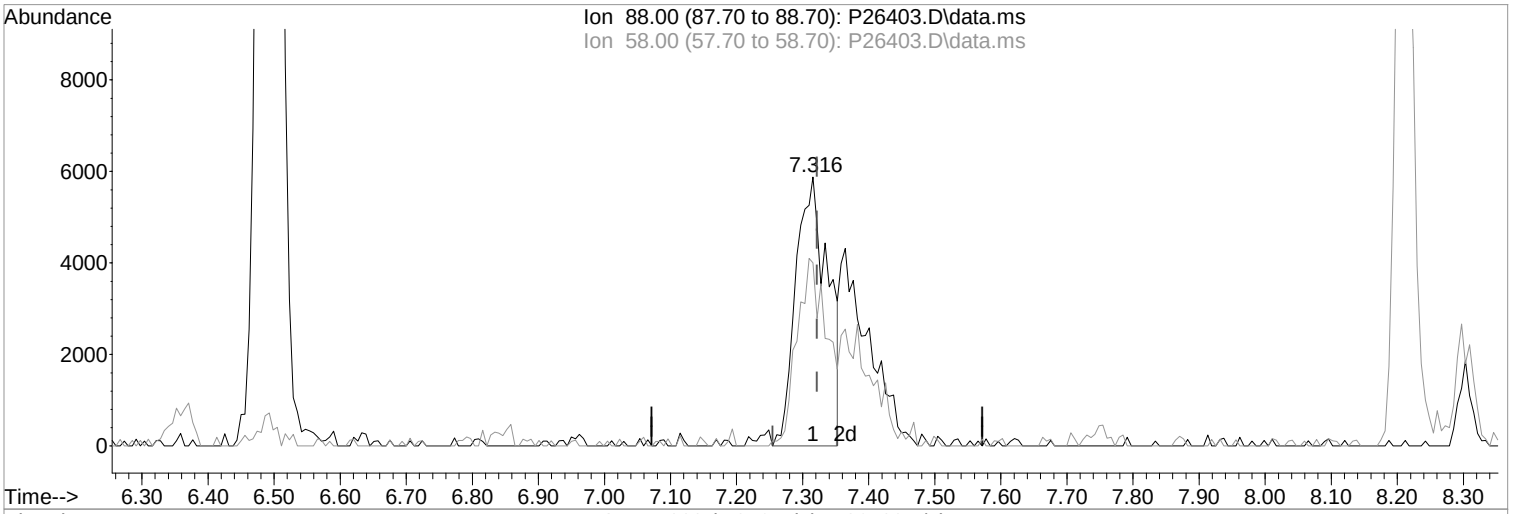
05/06/19

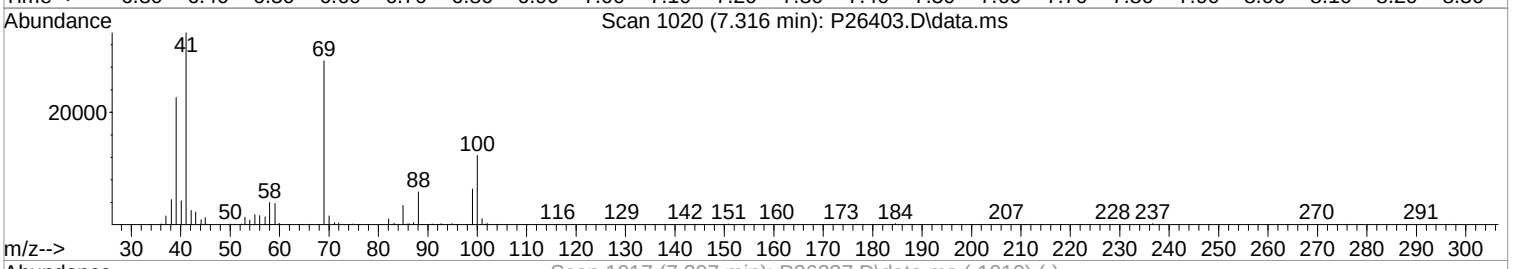
1st 05/06/19
2nd 05/08/19

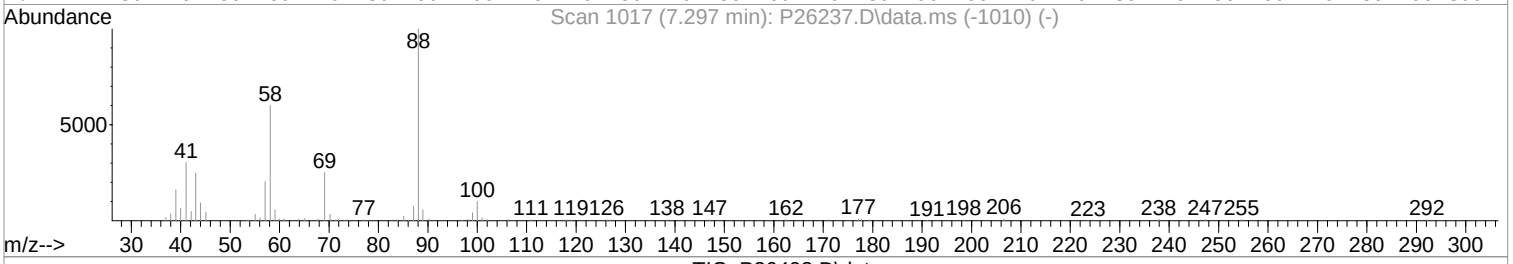
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050619\
Data File : P26403.D
Acq On : 6 May 2019 12:03 pm
Operator : K.Ruest
Sample : LCS-ACID Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 06 12:18:46 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu May 02 11:39:03 2019
Response via : Initial Calibration







TIC: P26403.D\data.ms

(58) 1,4-Dioxane

7.316min (-0.006) 211.40 ppb

response 19770

Ion	Exp%	Act%
88.00	100	100
58.00	60.00	68.15
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

05/06/19

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\050619\
Data File : P26403.D
Acq On : 6 May 2019 12:03 pm
Operator : K.Ruest
Sample : LCS-ACID Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 06 12:20:28 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu May 02 11:39:03 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.414	168	389114	50.00	ppb		0.00
43) 1,4-Difluorobenzene	6.493	114	552366	50.00	ppb		0.00
71) d5-Chlorobenzene	9.791	117	494023	50.00	ppb		0.00
86) 1,4-Dichlorobenzene-d4	11.839	152	276261	50.00	ppb		0.00
System Monitoring Compounds							
45) surr4,Dibrflmethane	5.267	113	163788	51.57	ppb		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 103.14%				
48) surr1,1,2-dichloroetha...	5.798	65	181427	52.37	ppb		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 104.74%				
65) SURR3,Toluene-d8	8.303	98	672865	51.04	ppb		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 102.08%				
70) SURR2,BFB	10.864	95	254234	49.34	ppb		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 98.68%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.219	85	68678	18.91	ppb		98
3) Chloromethane	1.347	50	59771	18.05	ppb		99
4) Vinyl Chloride	1.420	62	72457	17.92	ppb		100
5) Bromomethane	1.652	94	70448	17.61	ppb		99
6) Chloroethane	1.725	64	51124	15.88	ppb		92
7) Freon 21	1.872	67	106745	18.37	ppb		94
8) Trichlorofluoromethane	1.920	101	93408	18.37	ppb		97
9) Diethyl Ether	2.158	59	56911	19.31	ppb		97
10) Freon 123a	2.158	67	67763	19.19	ppb		99
11) Freon 123	2.207	83	89534	21.21	ppb		98
12) Acrolein	2.256	56	25296	36.13	ppb		95
13) 1,1-Diclethene	2.347	96	54355	16.91	ppb		95
14) Freon 113	2.347	101	53521	18.68	ppb		99
15) Acetone	2.390	43	26142	15.05	ppb		98
16) 2-Propanol	2.518	45	143262m	346.29	ppb		
17) Iodomethane	2.475	142	64706	19.43	ppb		98
18) Carbon Disulfide	2.536	76	172205	22.09	ppb		99
19) Acetonitrile	2.634	40	14285	51.24	ppb	#	80
20) Allyl Chloride	2.670	76	33939	22.90	ppb		96
21) Methyl Acetate	2.701	43	56422	17.42	ppb		95
22) Methylene Chloride	2.792	84	65564	18.99	ppb		99
23) TBA	2.920	59	254463	344.06	ppb		99
24) Acrylonitrile	3.042	53	168255	101.78	ppb		95
25) Methyl-t-Butyl Ether	3.091	73	238485	20.29	ppb		99
26) trans-1,2-Dichloroethene	3.085	96	63278	17.97	ppb		98
28) 1,1-Diclethane	3.579	63	107270	18.49	ppb		99
29) Vinyl Acetate	3.670	86	19271	21.98	ppb		95
30) DIPE	3.707	45	198956	21.90	ppb		96
31) 2-Chloro-1,3-Butadiene	3.700	53	88833	20.44	ppb		97
32) ETBE	4.231	59	203448	20.72	ppb		100
33) 2,2-Dichloropropane	4.414	77	97183	18.27	ppb		96
34) cis-1,2-Dichloroethene	4.414	96	75194	18.26	ppb		95
35) 2-Butanone	4.463	43	37434	17.49	ppb		94
36) Propionitrile	4.536	54	76580m	99.75	ppb		
37) Bromochloromethane	4.804	130	52135	18.57	ppb		98
38) Methacrylonitrile	4.816	67	39682	20.44	ppb		88
39) Tetrahydrofuran	4.895	42	26306	18.13	ppb		92
40) Chloroform	4.993	83	110645	17.97	ppb		94
41) 1,1,1-Trichloroethane	5.279	97	95024	16.56	ppb		96

1st 05/06/19
2nd 05/08/19

Data Path : I:\ACQUDATA\msvoa12\Data\050619\
Data File : P26403.D
Acq On : 6 May 2019 12:03 pm
Operator : K.Ruest
Sample : LCS-ACID Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 06 12:20:28 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu May 02 11:39:03 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) TAME	6.115	73	230390	21.84	ppb	96
44) Cyclohexane	5.371	41	57660	20.79	ppb	98
46) Carbontetrachloride	5.560	117	82621	17.17	ppb	97
47) 1,1-Dichloropropene	5.566	75	77919	17.52	ppb	97
49) Benzene	5.877	78	250194	17.48	ppb	97
50) 1,2-Dichloroethane	5.913	62	96923	19.10	ppb	96
51) Iso-Butyl Alcohol	5.889	43	103283m	330.99	ppb	
52) n-Heptane	6.365	43	59314	15.58	ppb	94
53) 1-Butanol	6.846	56	183416	869.72	ppb	97
54) Trichloroethene	6.822	130	77070	17.33	ppb	97
55) Methylcyclohexane	7.060	55	80401	19.35	ppb	89
56) 1,2-Diclpropane	7.096	63	62127	18.07	ppb	96
57) Dibromomethane	7.236	93	46050	19.15	ppb	94
58) 1,4-Dioxane	7.316	88	32701m	349.67	ppb	
59) Methyl Methacrylate	7.322	69	66557	19.54	ppb	87
60) Bromodichloromethane	7.462	83	82844	17.39	ppb	97
61) 2-Nitropropane	7.742	41	47919	38.86	ppb	98
63) cis-1,3-Dichloropropene	8.005	75	109244	17.77	ppb	96
64) 4-Methyl-2-pentanone	8.206	43	73446	17.16	ppb	98
66) Toluene	8.376	91	273935	16.92	ppb	99
67) trans-1,3-Dichloropropene	8.645	75	102904	18.89	ppb	97
68) Ethyl Methacrylate	8.785	69	109741	18.62	ppb	95
69) 1,1,2-Trichloroethane	8.828	97	68783	17.73	ppb	95
72) Tetrachloroethene	8.968	164	59653	16.79	ppb	97
73) 2-Hexanone	9.120	43	54596	16.44	ppb	96
74) 1,3-Dichloropropane	8.998	76	116549	19.52	ppb	98
75) Dibromochloromethane	9.224	129	73833	17.05	ppb	95
76) N-Butyl Acetate	9.279	43	111962	17.69	ppb	99
77) 1,2-Dibromoethane	9.321	107	78430	19.67	ppb	94
78) Chlorobenzene	9.815	112	192784	17.75	ppb	97
79) 3-CBTF	9.833	180	132809	21.29	ppb	98
80) 4-CBTF	9.888	180	114420	20.28	ppb	97
81) 1,1,1,2-Tetrachloroethane	9.907	131	71350	16.93	ppb	97
82) Ethylbenzene	9.937	106	99544	16.95	ppb	100
83) (m+p)Xylene	10.047	106	248114	34.13	ppb	93
84) o-Xylene	10.406	106	124163	16.87	ppb	97
85) Styrene	10.419	104	208890	18.16	ppb	99
87) Bromoform	10.571	173	55521	17.33	ppb	98
88) 2-CBTF	10.650	180	127244	20.93	ppb	97
89) Isopropylbenzene	10.742	105	292592	16.84	ppb	99
90) Cyclohexanone	10.809	55	90261	104.11	ppb	97
91) trans-1,4-Dichloro-2-B...	11.047	53	24308	18.28	ppb	94
92) 1,1,2,2-Tetrachloroethane	10.998	83	98188	18.70	ppb	98
93) Bromobenzene	10.986	156	90475	17.27	ppb	94
94) 1,2,3-Trichloropropane	11.028	110	36649	18.60	ppb	98
95) n-Propylbenzene	11.095	91	323927	17.19	ppb	99
96) 2-Chlorotoluene	11.156	91	207652	17.72	ppb	96
97) 3-Chlorotoluene	11.211	91	254514	22.98	ppb	99
98) 4-Chlorotoluene	11.254	91	229122	17.10	ppb	98
99) 1,3,5-Trimethylbenzene	11.248	105	251190	17.21	ppb	100
100) tert-Butylbenzene	11.522	119	224000	16.80	ppb	98
101) 1,2,4-Trimethylbenzene	11.559	105	254370	17.52	ppb	97
102) 3,4-DCBTF	11.620	214	99186	19.13	ppb	96
103) sec-Butylbenzene	11.705	105	310012	16.61	ppb	98
104) p-Isopropyltoluene	11.827	119	271998	16.76	ppb	99
105) 1,3-Dclbenz	11.784	146	168754	18.04	ppb	98

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\050619\
Data File : P26403.D
Acq On : 6 May 2019 12:03 pm
Operator : K.Ruest
Sample : LCS-ACID Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 06 12:20:28 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu May 02 11:39:03 2019
Response via : Initial Calibration

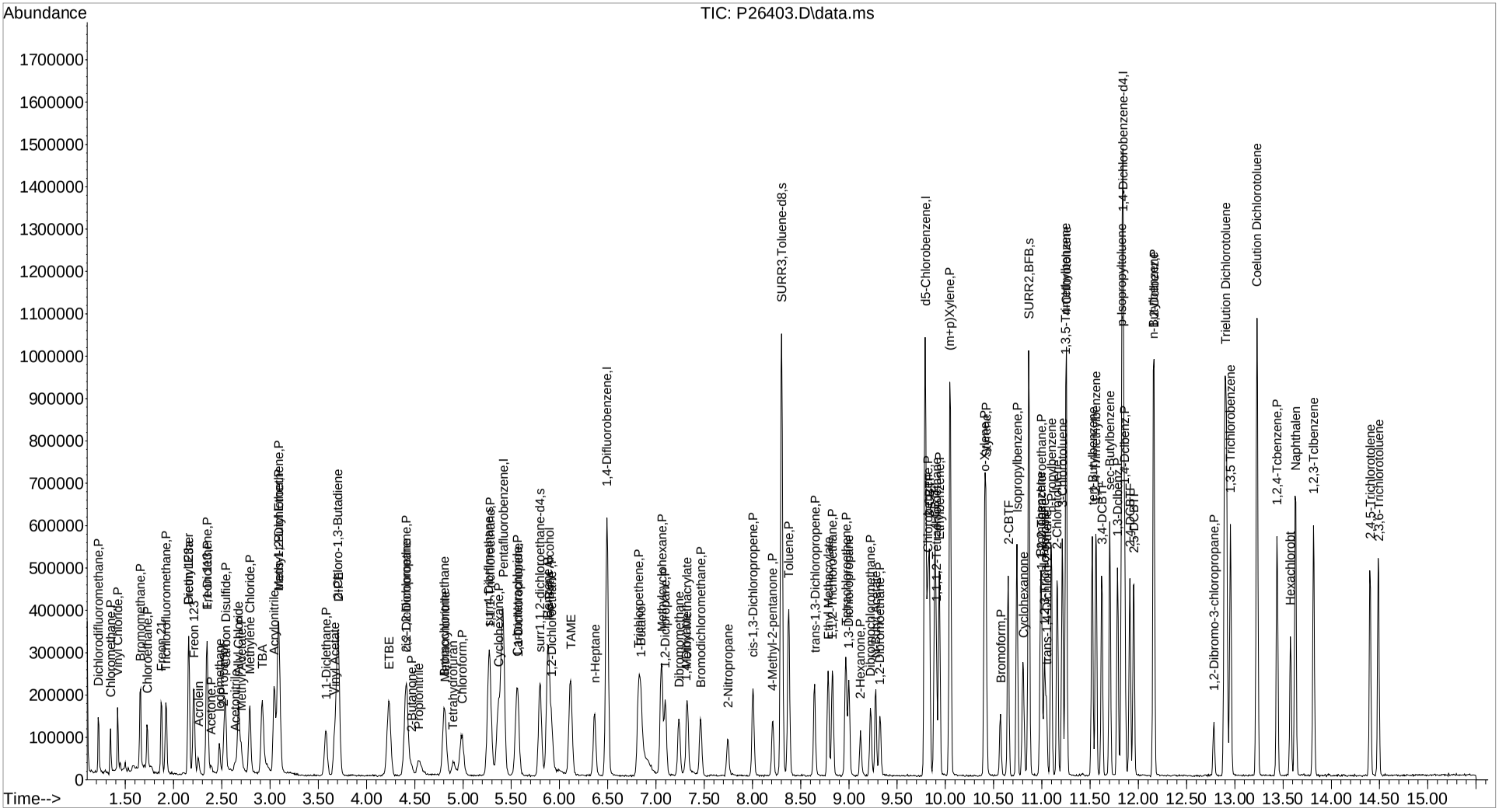
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
106) 1,4-Dclbenz	11.857	146	169359	17.70	ppb	97
107) 2,4-DCBTF	11.912	214	92632	19.84	ppb	98
108) 2,5-DCBTF	11.955	214	100868	19.46	ppb	98
109) n-Butylbenzene	12.156	91	232861	17.24	ppb	97
110) 1,2-Dclbenz	12.162	146	164704	17.67	ppb	96
111) 1,2-Dibromo-3-chloropr...	12.784	157	28154	15.12	ppb	78
112) Trielution Dichlorotol...	12.900	125	503591	64.34	ppb	95
113) 1,3,5 Trichlorobenzene	12.955	180	152712	20.63	ppb	98
114) Coelution Dichlorotoluene	13.229	125	370230	42.40	ppb	96
115) 1,2,4-Tcbenzene	13.436	180	144009	18.54	ppb	95
116) Hexachlorobt	13.577	225	50075	14.92	ppb	98
117) Naphthalen	13.631	128	435448	19.35	ppb	99
118) 1,2,3-Tclbenzene	13.814	180	147630	17.93	ppb	98
119) 2,4,5-Trichlorotolene	14.400	159	109209	21.99	ppb	97
120) 2,3,6-Trichlorotoluene	14.491	159	106205	18.16	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\050619\
Data File : P26403.D
Acq On : 6 May 2019 12:03 pm
Operator : K.Ruest
Sample : LCS-ACID Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 06 12:20:28 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu May 02 11:39:03 2019
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\050419\
Data File : F6459.D
Acq On : 4 May 2019 5:01 pm
Operator : F.NAEGLER
Sample : LCS Inst : MSVOA14
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 17:16:43 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
Quant Title : MS#14 - 8260 SOILS 10ml PURGE
QLast Update : Mon Apr 22 10:00:17 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	4.687	168	420403	50.00	ug/L		0.00
42) 1,4-Difluorobenzene	5.937	114	666529	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.577	117	574470	50.00	ug/L		0.00
87) 1,4-Dichlorobenzene-d4	11.735	152	295721	50.00	ug/L		0.00
System Monitoring Compounds							
44) SURR4,Dibrflmethane	4.535	113	190844	48.20	ug/L		0.00
Spiked Amount 50.000	Range 63 - 138		Recovery = 96.40%				
47) SURR1,1,2-dichloroetha...	5.114	65	231712	48.61	ug/L		0.00
Spiked Amount 50.000	Range 67 - 128		Recovery = 97.22%				
64) SURR3,Toluene-d8	7.943	98	758274	46.90	ug/L		0.00
Spiked Amount 50.000	Range 66 - 138		Recovery = 93.80%				
69) SURR2,BFB	10.729	95	299772	46.35	ug/L		0.00
Spiked Amount 50.000	Range 31 - 154		Recovery = 92.70%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.042	85	86711	16.17	ug/L		98
3) Chloromethane	1.152	50	101048	18.82	ug/L		99
4) Vinyl Chloride	1.219	62	82825	16.39	ug/L		95
5) Bromomethane	1.414	94	43147	14.57	ug/L		100
6) Chloroethane	1.481	64	41994	14.26	ug/L		96
7) Freon 21	1.603	67	121254	16.08	ug/L		97
8) Trichlorofluoromethane	1.651	101	86175	14.71	ug/L		95
9) Diethyl Ether	1.846	59	62784	17.01	ug/L		98
10) Freon 123a	1.846	67	78913	16.65	ug/L		96
11) Freon 123	1.889	83	95208	17.78	ug/L		99
12) Acrolein	1.932	56	27224	32.07	ug/L		98
13) 1,1-Diclethene	2.005	96	60405	16.76	ug/L		98
14) Freon 113	2.017	101	57138	15.72	ug/L		90
15) Acetone	2.042	43	44688	27.32	ug/L		93
16) 2-Propanol	2.157	45	141369	425.67	ug/L		93
17) Iodomethane	2.121	142	92455	18.43	ug/L		95
18) Carbon Disulfide	2.176	76	212002	19.47	ug/L		98
19) Acetonitrile	2.261	40	25854	107.22	ug/L		88
20) Allyl Chloride	2.285	76	38985	19.52	ug/L	#	76
21) Methyl Acetate	2.310	43	67807	21.06	ug/L		99
22) Methylene Chloride	2.389	84	85763	20.56	ug/L		95
23) TBA	2.505	59	224273	383.45	ug/L		99
24) Acrylonitrile	2.602	53	169419	107.85	ug/L		99
25) Methyl-t-Butyl Ether	2.657	73	243581	19.78	ug/L		95
26) trans-1,2-Dichloroethene	2.645	96	72768	18.15	ug/L		96
27) 1,1-Diclethane	3.066	63	142999	19.21	ug/L		96
28) Vinyl Acetate	3.145	86	17955	23.16	ug/L	#	73
29) DIPE	3.182	45	295633	22.79	ug/L		93
30) 2-Chloro-1,3-Butadiene	3.175	53	102340	19.10	ug/L		99
31) ETBE	3.633	59	237230	19.70	ug/L		96
32) 2,2-Dichloropropane	3.779	77	96513	16.84	ug/L		96
33) cis-1,2-Dichloroethene	3.785	96	83849	18.45	ug/L		93
34) 2-Butanone	3.828	43	50279	22.59	ug/L		98
35) Propionitrile	3.883	54	65552	106.04	ug/L		100
36) Bromochloromethane	4.120	130	52710	18.79	ug/L		91
37) Methacrylonitrile	4.127	67	36239	20.02	ug/L		88
38) Tetrahydrofuran	4.206	42	30876	21.90	ug/L		87
39) Chloroform	4.273	83	134751	18.72	ug/L		95
40) 1,1,1-Trichloroethane	4.547	97	98840	16.89	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\050419\
Data File : F6459.D
Acq On : 4 May 2019 5:01 pm
Operator : F.NAEGLER
Sample : LCS Inst : MSVOA14
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 17:16:43 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
Quant Title : MS#14 - 8260 SOILS 10ml PURGE
QLast Update : Mon Apr 22 10:00:17 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) TAME	5.504	73	232349	20.59	ug/L		94
43) Cyclohexane	4.639	41	79655	19.95	ug/L		84
45) Carbontetrachloride	4.840	121	22319	15.49	ug/L	#	80
46) 1,1-Dichloropropene	4.846	75	93793	17.22	ug/L		97
48) Benzene	5.218	78	303183	18.12	ug/L		96
49) 1,2-Dichloroethane	5.254	62	109025	18.62	ug/L		97
50) Iso-Butyl Alcohol	5.260	43	93298	411.45	ug/L		93
51) n-Heptane	5.803	43	97418	17.33	ug/L		95
52) 1-Butanol	6.364	56	150418	1045.58	ug/L		100
53) Trichloroethene	6.303	130	81416	17.32	ug/L		96
54) Methylcyclohexane	6.565	55	115669	20.30	ug/L		92
55) 1,2-Diclpropane	6.608	63	87632	19.60	ug/L		96
56) Dibromomethane	6.760	93	49461	18.26	ug/L		99
57) 1,4-Dioxane	6.852	88	24423	386.06	ug/L		99
58) Methyl Methacrylate	6.888	69	60377	19.61	ug/L		98
59) Bromodichloromethane	7.022	83	94949	18.03	ug/L		97
60) 2-Nitropropane	7.333	41	30648	31.16	ug/L	#	82
61) 2-Chloroethylvinyl Ether	7.492	63	11513	12.83	ug/L		89
62) cis-1,3-Dichloropropene	7.620	75	127896	18.54	ug/L		98
63) 4-Methyl-2-pentanone	7.864	43	86095	20.53	ug/L		97
65) Toluene	8.022	91	319553	17.58	ug/L		99
66) trans-1,3-Dichloropropene	8.327	75	110379	18.61	ug/L		99
67) Ethyl Methacrylate	8.504	69	104215	18.71	ug/L		93
68) 1,1,2-Trichloroethane	8.522	97	69105	17.63	ug/L		93
71) Tetrachloroethene	8.668	164	56362	16.37	ug/L		97
72) 2-Hexanone	8.870	43	66068	21.80	ug/L		96
73) 1,3-Dichloropropane	8.711	76	128579	19.01	ug/L		97
74) Dibromochloromethane	8.961	129	64542	17.67	ug/L		99
75) N-Butyl Acetate	9.052	43	133632	21.77	ug/L		92
76) 1,2-Dibromoethane	9.058	107	70286	18.13	ug/L		95
77) Chlorobenzene	9.607	112	210382	18.13	ug/L		100
78) 1,1,1,2-Tetrachloroethane	9.705	131	69572	18.29	ug/L		98
79) Ethylbenzene	9.741	106	106755	17.42	ug/L		94
80) (m+p)Xylene	9.869	106	266500	35.35	ug/L		95
81) o-Xylene	10.247	106	131008	17.69	ug/L		96
82) Styrene	10.259	104	228636	18.60	ug/L		98
83) Bromoform	10.406	173	35965	16.86	ug/L		96
84) Isopropylbenzene	10.607	105	322318	16.69	ug/L		100
85) Cyclohexanone	10.656	55	308505	419.70	ug/L		90
86) trans-1,4-Dichloro-2-B...	10.930	53	23379	20.25	ug/L		98
88) 1,1,2,2-Tetrachloroethane	10.881	83	86265	18.67	ug/L		98
89) Bromobenzene	10.845	156	91809	18.57	ug/L		98
90) 1,2,3-Trichloropropane	10.900	110	29177	18.59	ug/L		94
91) n-Propylbenzene	10.979	91	392529	17.39	ug/L		98
92) 2-Chlorotoluene	11.034	91	246460	18.10	ug/L		95
93) 4-Chlorotoluene	11.131	91	284490	18.21	ug/L		96
94) 1,3,5-Trimethylbenzene	11.143	105	280986	17.85	ug/L		98
95) tert-Butylbenzene	11.418	119	230400	16.56	ug/L		99
96) 1,2,4-Trimethylbenzene	11.460	105	286710	18.10	ug/L		97
97) sec-Butylbenzene	11.607	105	348522	16.46	ug/L		98
98) p-Isopropyltoluene	11.735	119	291159	16.69	ug/L		99
99) 1,3-Dclbenz	11.680	146	172838	18.06	ug/L		98
100) 1,4-Dclbenz	11.753	146	176601	18.21	ug/L		98
101) n-Butylbenzene	12.076	91	272328	16.74	ug/L		95
102) 1,2-Dclbenz	12.064	146	163678	18.06	ug/L		98
103) 1,2-Dibromo-3-chloropr...	12.698	157	15556	18.50	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\050419\
Data File : F6459.D
Acq On : 4 May 2019 5:01 pm
Operator : F.NAEGLER
Sample : LCS Inst : MSVOA14
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 17:16:43 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
Quant Title : MS#14 - 8260 SOILS 10ml PURGE
QLast Update : Mon Apr 22 10:00:17 2019
Response via : Initial Calibration

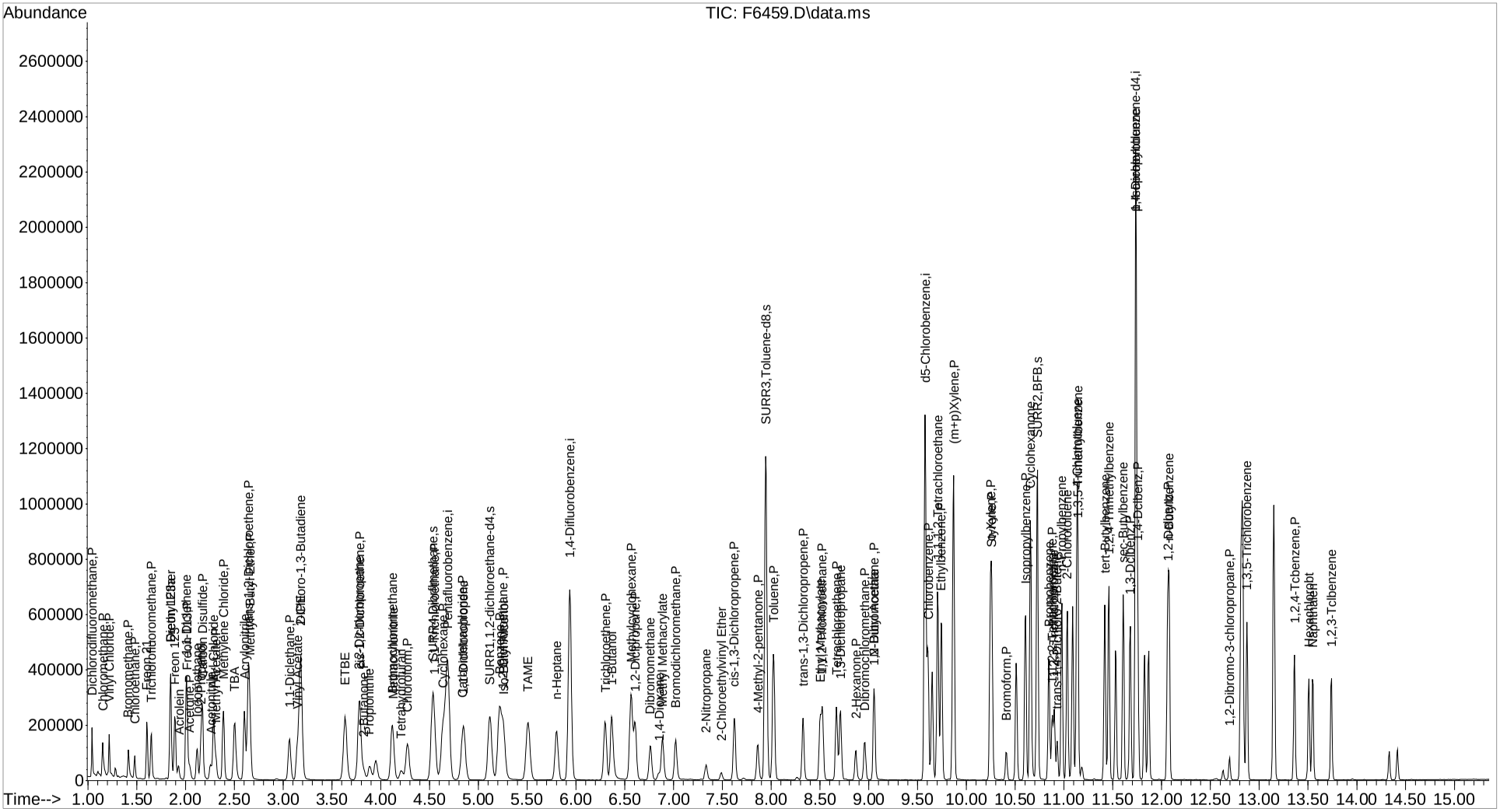
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3,5-Trichlorobenzene	12.875	180	133438	20.83	ug/L	100
105) 1,2,4-Tcbenzene	13.363	180	105011	19.10	ug/L	97
106) Hexachlorobt	13.509	225	52288	15.78	ug/L	99
107) Naphthalen	13.545	128	220260	19.49	ug/L	98
108) 1,2,3-Tclbenzene	13.741	180	84089	18.80	ug/L	95

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\050419\
Data File : F6459.D
Acq On : 4 May 2019 5:01 pm
Operator : F.NAEGLER
Sample : LCS Inst : MSVOA14
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 17:16:43 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
Quant Title : MS#14 - 8260 SOILS 10ml PURGE
QLast Update : Mon Apr 22 10:00:17 2019
Response via : Initial Calibration



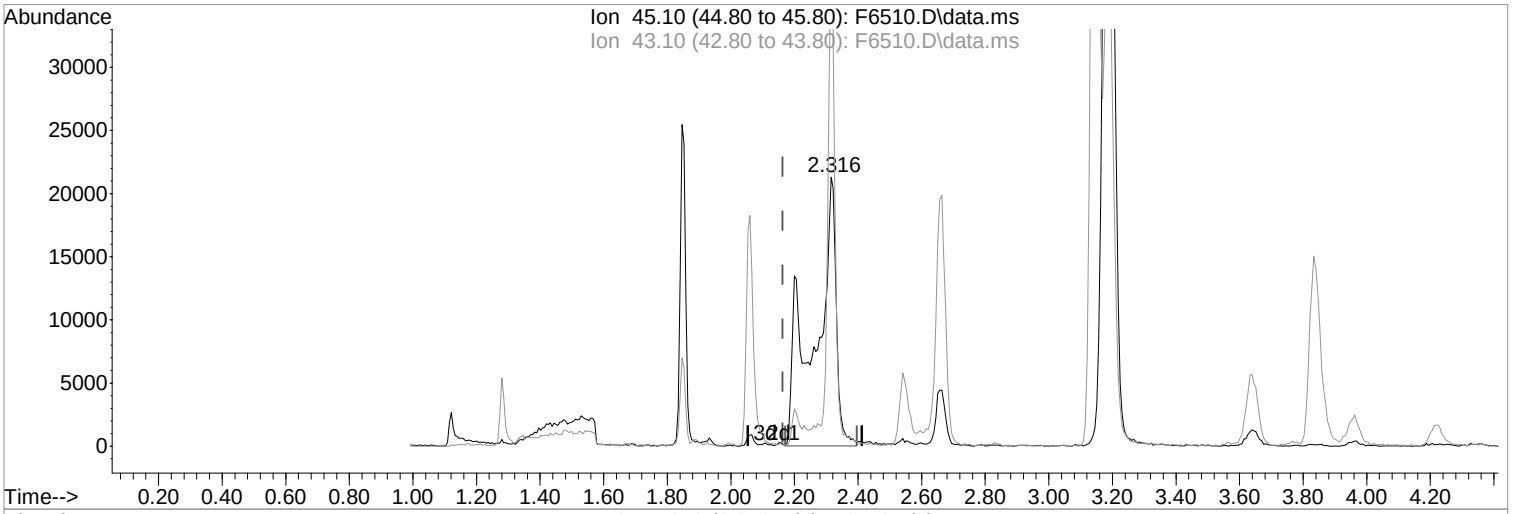
1st FJ 05/06/19
2nd 05/08/19

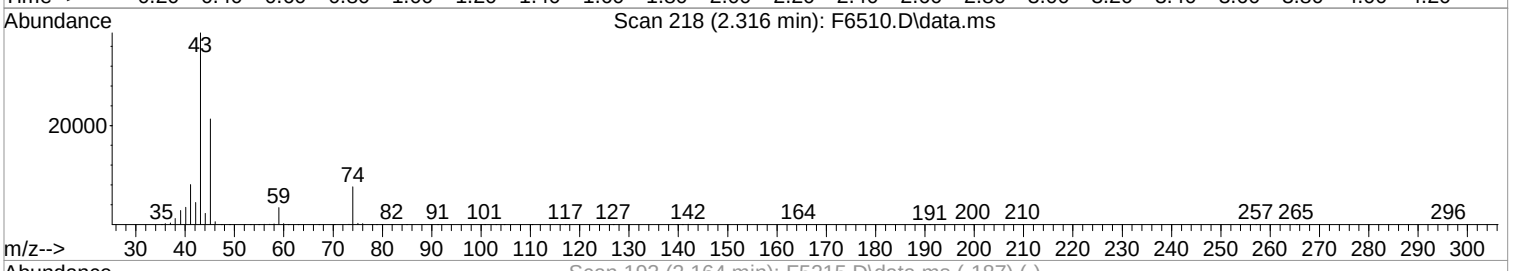
1st FW 05/10/19
2nd 05/10/19

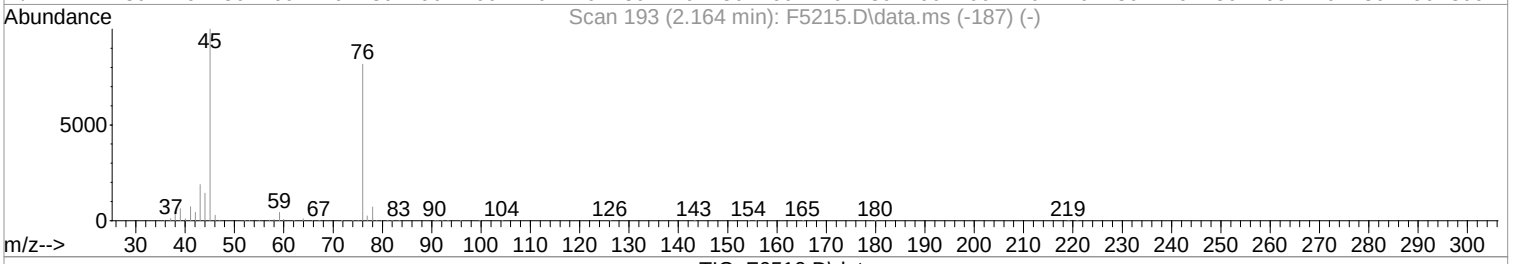
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\050819\
Data File : F6510.D
Acq On : 8 May 2019 3:28 pm
Operator : F.NAEGLER
Sample : LCS-MED Inst : MSVOA14
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 08 15:43:26 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 16:08:17 2019
Response via : Initial Calibration







TIC: F6510.D\data.ms

(16) 2-Propanol

2.316min (+0.153) 356.16 ug/L m

response 97530

Ion	Exp%	Act%
45.10	100	100
43.10	18.90	181.67#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

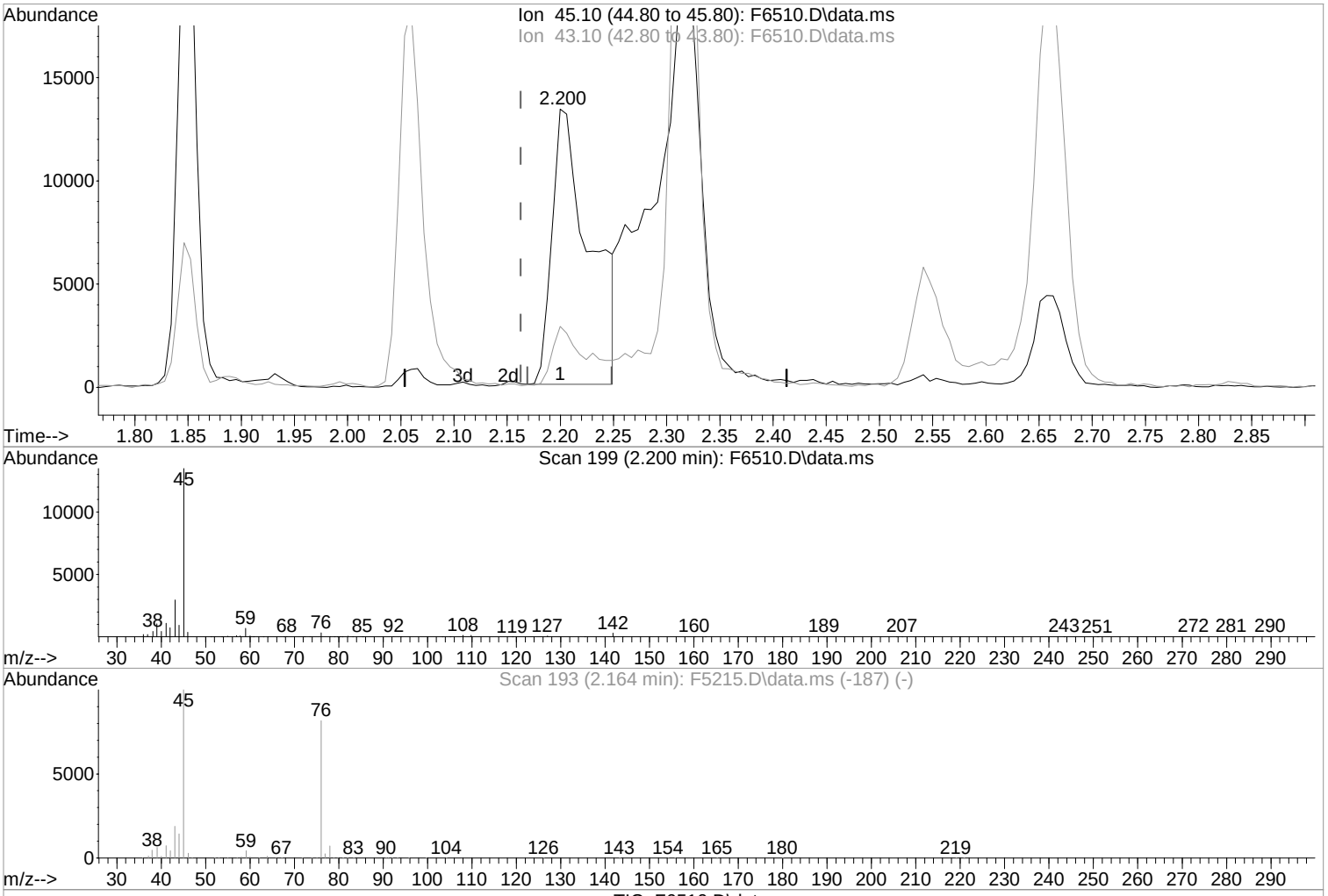
05/08/19

1st FN 05/10/19
2nd 05/10/19

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\050819\
Data File : F6510.D
Acq On : 8 May 2019 3:28 pm
Operator : F.NAEGLER
Sample : LCS-MED Inst : MSVOA14
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 08 15:43:26 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 16:08:17 2019
Response via : Initial Calibration



TIC: F6510.D\data.ms

(16) 2-Propanol

2.200min (+0.037) 119.63 ug/L

response 32759

Ion	Exp%	Act%
45.10	100	100
43.10	18.90	21.90
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

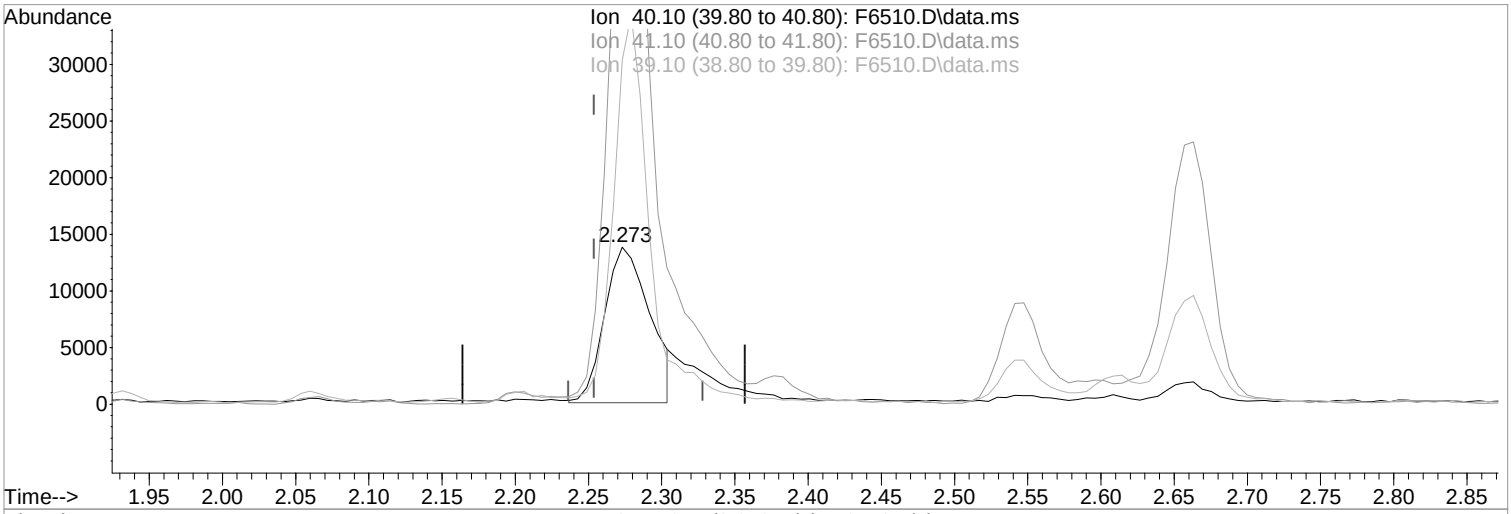
05/08/19

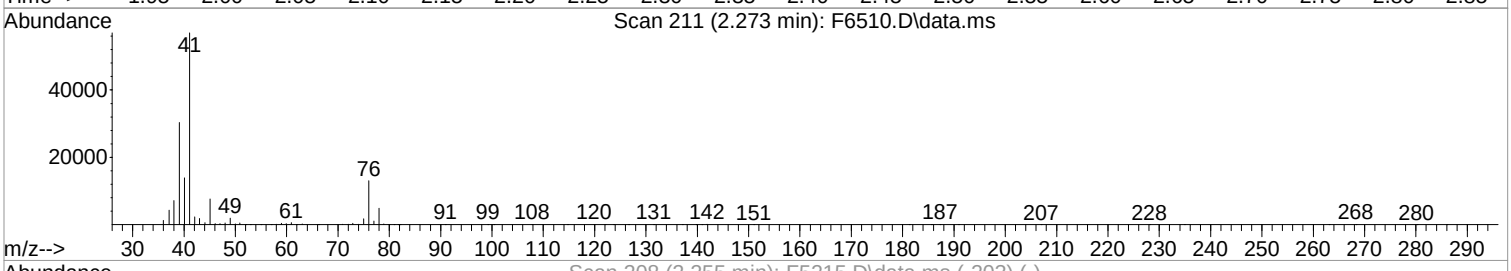
1st FW 05/10/19
2nd 05/10/19

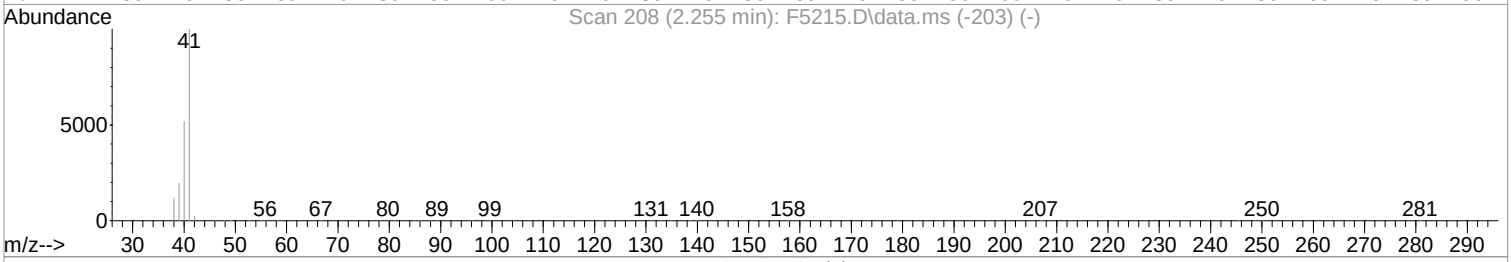
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\050819\
Data File : F6510.D
Acq On : 8 May 2019 3:28 pm
Operator : F.NAEGLER
Sample : LCS-MED Inst : MSVOA14
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 08 15:43:26 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 16:08:17 2019
Response via : Initial Calibration







TIC: F6510.D\data.ms

(19) Acetonitrile

2.273min (+0.019) 119.13 ug/L m

response 29448

Ion	Exp%	Act%
40.10	100	100
41.10	192.60	410.94#
39.10	38.20	218.94#
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

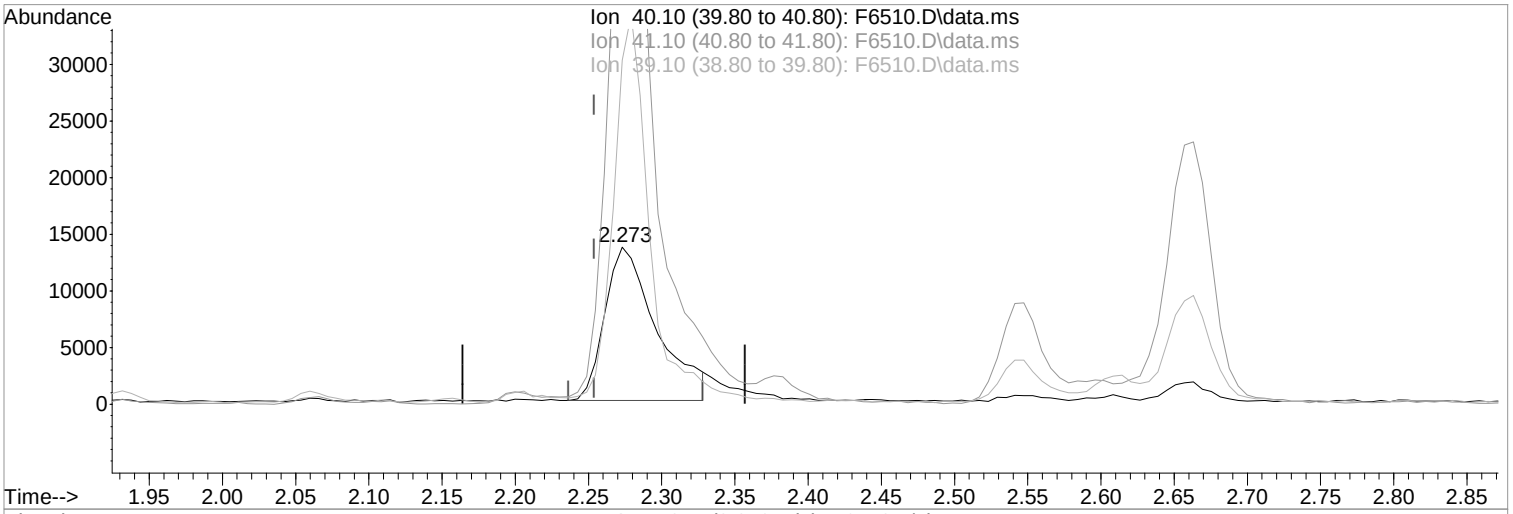
05/08/19

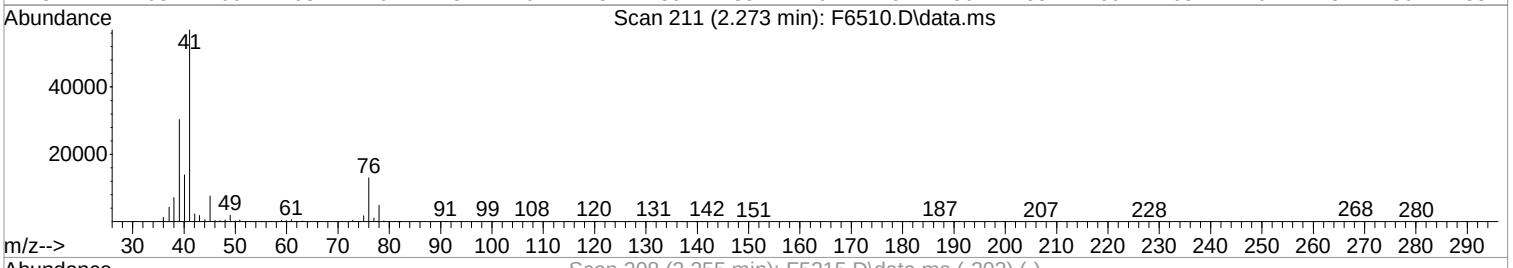
1st FW 05/10/19
2nd 05/10/19

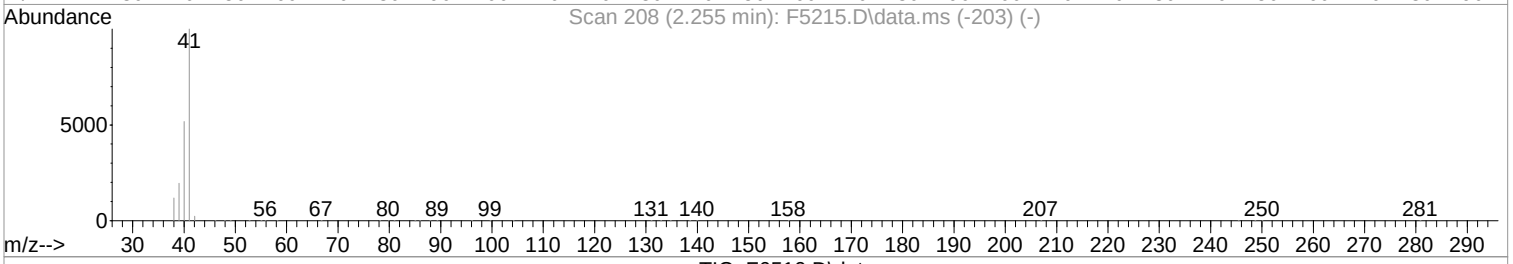
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\050819\
Data File : F6510.D
Acq On : 8 May 2019 3:28 pm
Operator : F.NAEGLER
Sample : LCS-MED Inst : MSVOA14
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 08 15:43:26 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 16:08:17 2019
Response via : Initial Calibration







TIC: F6510.D\data.ms

(19) Acetonitrile

2.273min (+0.019) 134.52 ug/L

response 33253

Ion	Exp%	Act%
40.10	100	100
41.10	192.60	410.94#
39.10	38.20	218.94#
0.00	0.00	0.00

Manual Integration:

Before

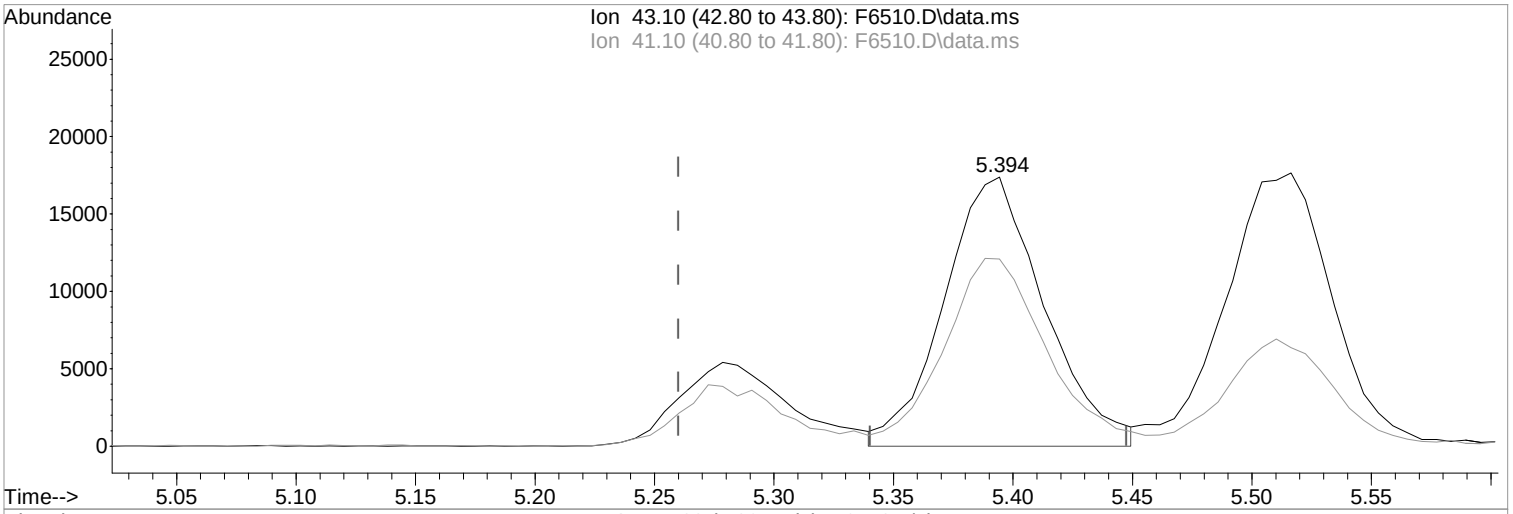
05/08/19

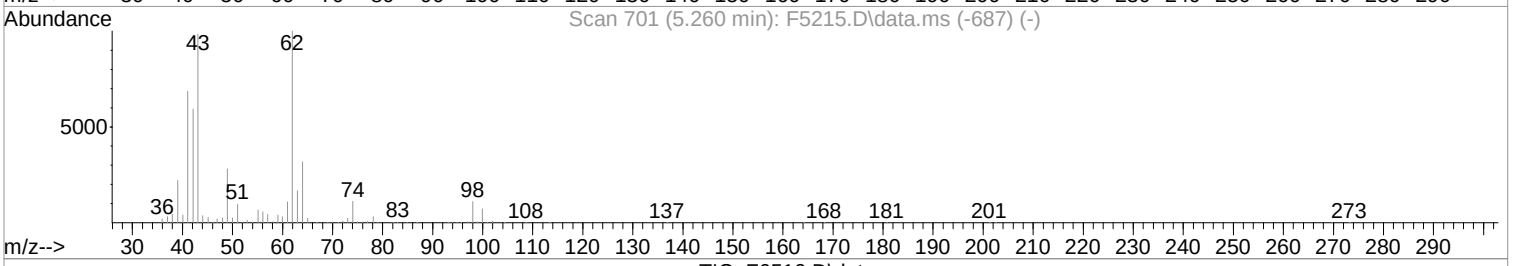
1st FN 05/10/19
2nd 05/10/19

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\050819\
Data File : F6510.D
Acq On : 8 May 2019 3:28 pm
Operator : F.NAEGLER
Sample : LCS-MED Inst : MSVOA14
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 08 15:43:26 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 16:08:17 2019
Response via : Initial Calibration





TIC: F6510.D\data.ms

(50) Iso-Butyl Alcohol

5.394min (+0.134) 252.72 ug/L m

response 50600

Ion	Exp%	Act%
43.10	100	100
41.10	69.70	69.59
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Wrong peak selected.

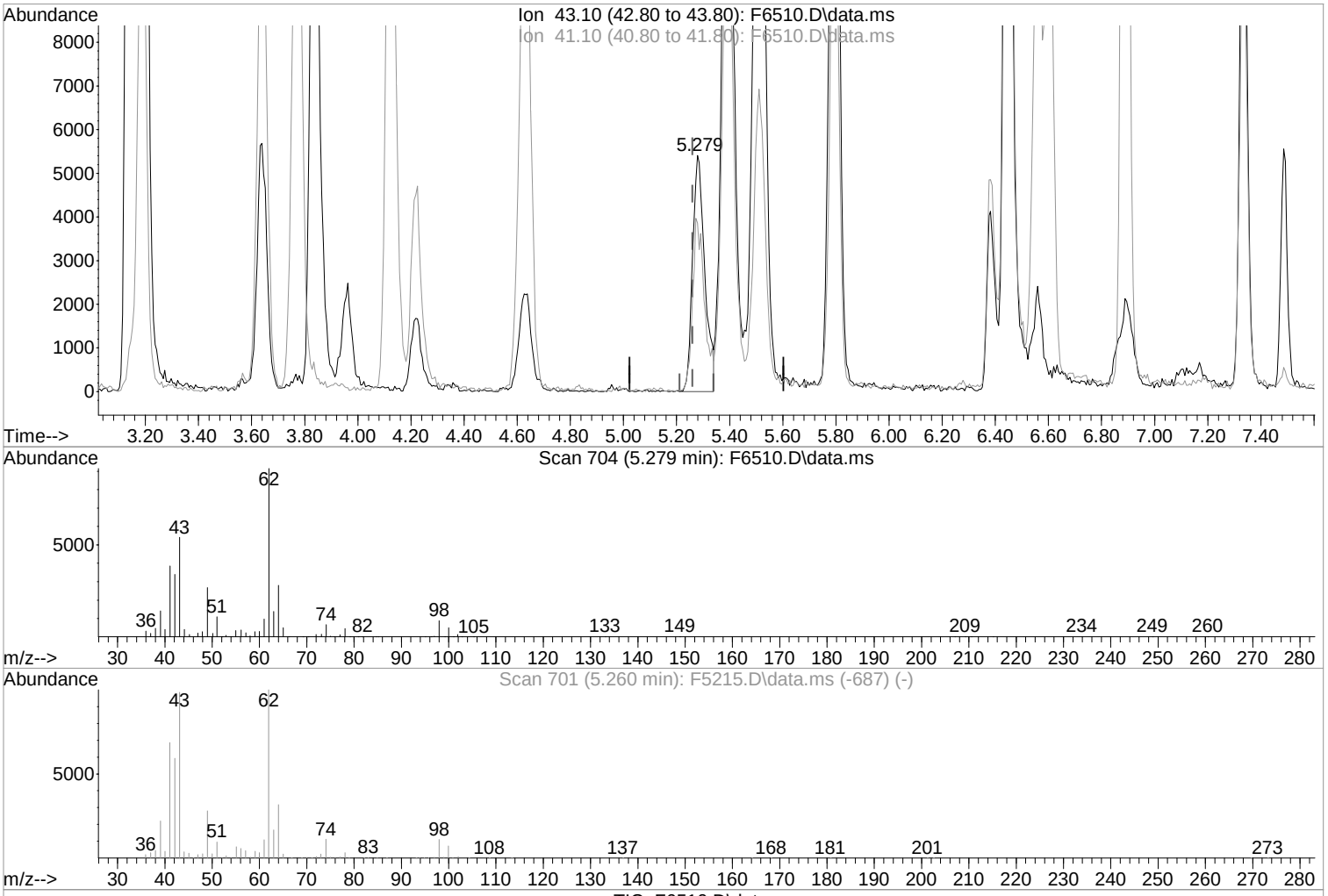
05/08/19

1st FW 05/10/19
2nd 05/10/19

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\050819\
Data File : F6510.D
Acq On : 8 May 2019 3:28 pm
Operator : F.NAEGLER
Sample : LCS-MED Inst : MSVOA14
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 08 15:43:26 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 16:08:17 2019
Response via : Initial Calibration



TIC: F6510.D\data.ms

(50) Iso-Butyl Alcohol

5.279min (+0.019) 86.33 ug/L

response 17286

Ion	Exp%	Act%
43.10	100	100
41.10	69.70	71.39
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

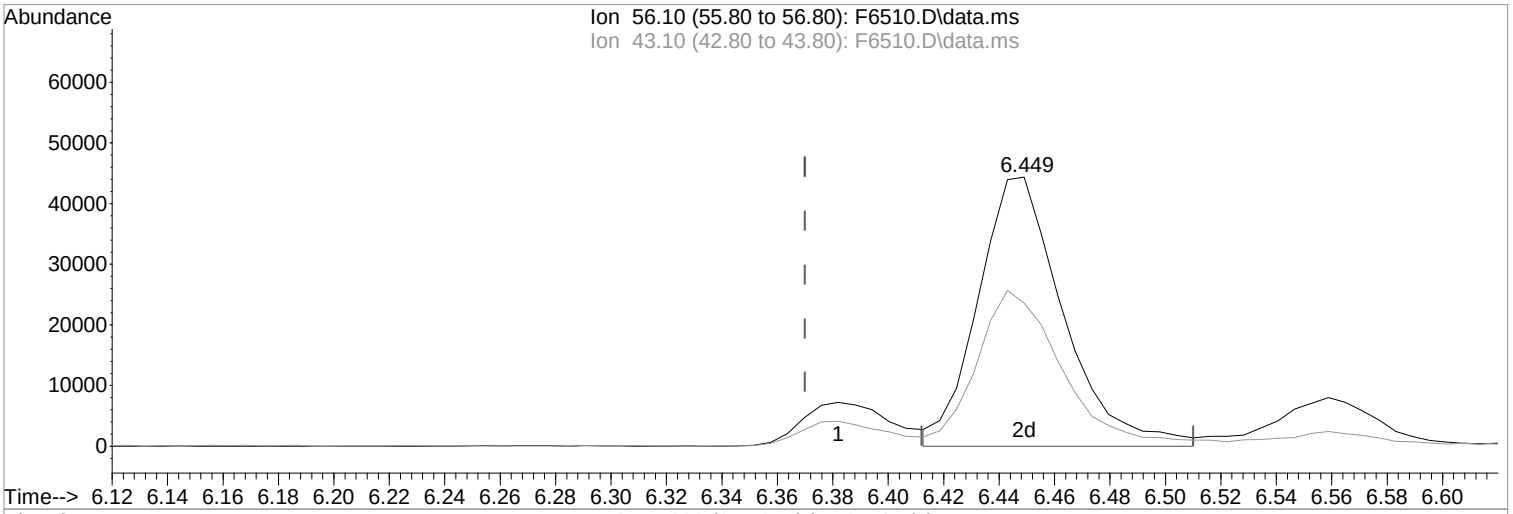
05/08/19

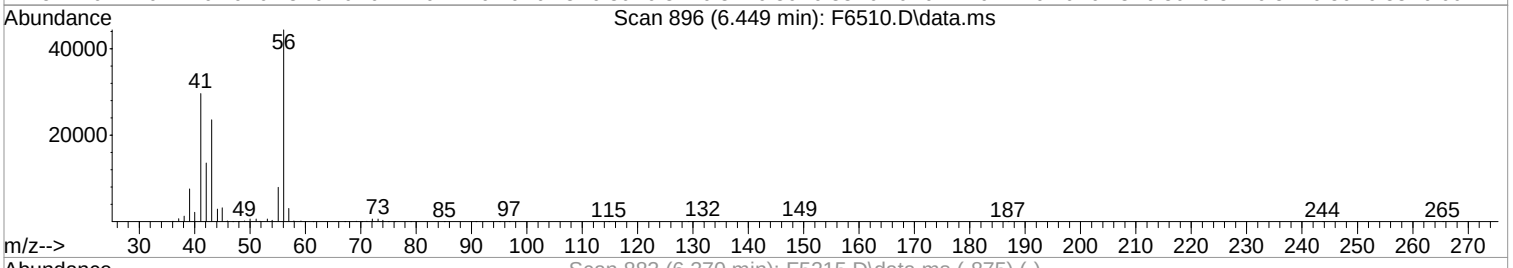
1st FN 05/10/19
2nd 05/10/19

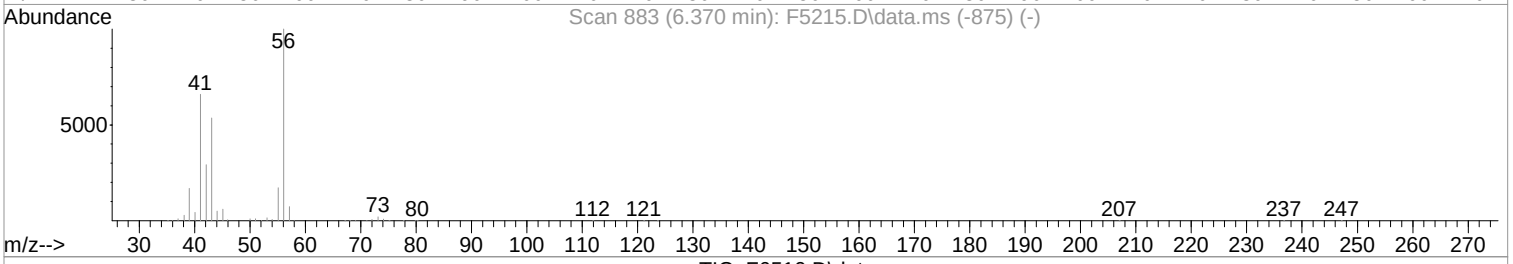
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\050819\
Data File : F6510.D
Acq On : 8 May 2019 3:28 pm
Operator : F.NAEGLER
Sample : LCS-MED Inst : MSVOA14
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 08 15:43:26 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 16:08:17 2019
Response via : Initial Calibration







TIC: F6510.D\data.ms

(52) 1-Butanol

6.449min (+0.079) 708.13 ug/L m

response 94696

Ion	Exp%	Act%
56.10	100	100
43.10	53.70	53.15
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Wrong peak selected.

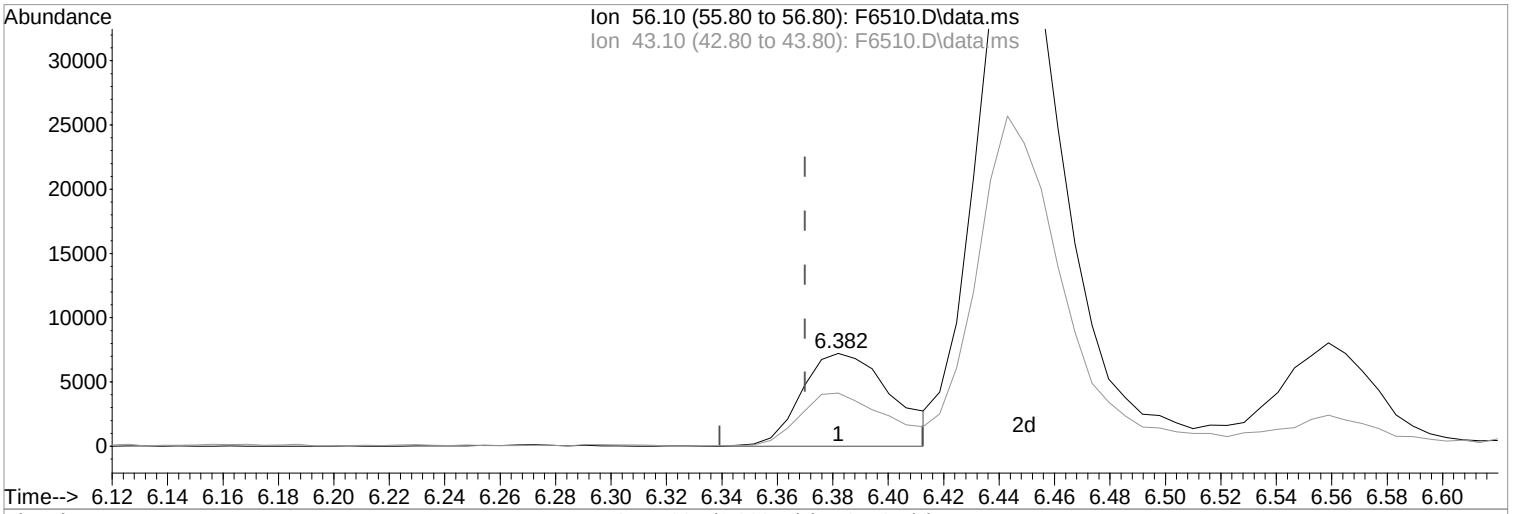
05/08/19

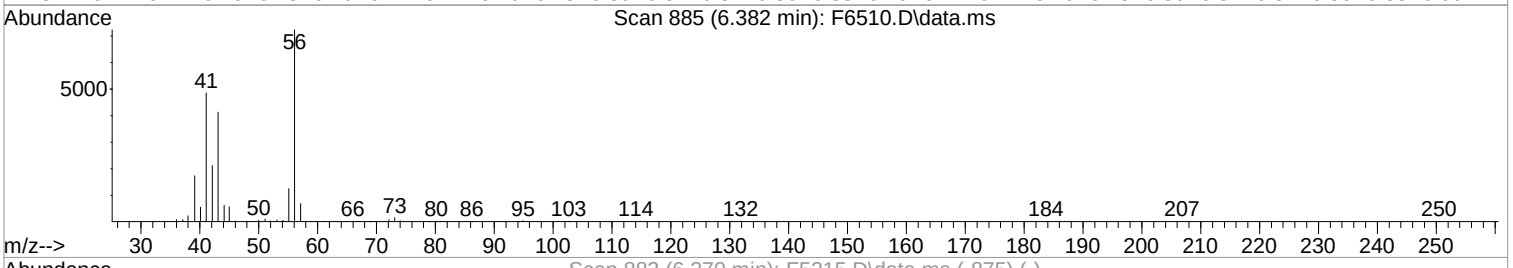
1st FN 05/10/19
2nd 05/10/19

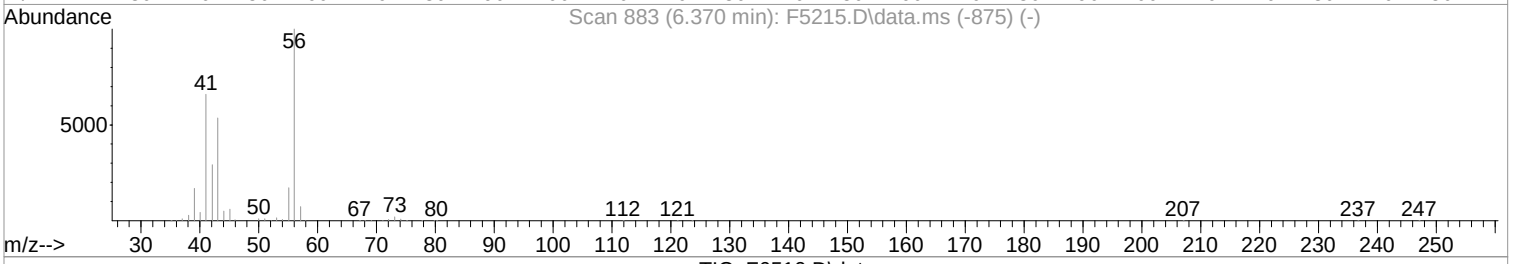
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\050819\
Data File : F6510.D
Acq On : 8 May 2019 3:28 pm
Operator : F.NAEGLER
Sample : LCS-MED Inst : MSVOA14
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 08 15:43:26 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 16:08:17 2019
Response via : Initial Calibration







TIC: F6510.D\data.ms

(52) 1-Butanol

6.382min (+0.012) 121.24 ug/L

response 16213

Ion	Exp%	Act%
56.10	100	100
43.10	53.70	57.18
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

05/08/19

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\050819\
Data File : F6510.D
Acq On : 8 May 2019 3:28 pm
Operator : F.NAEGLER
Sample : LCS-MED Inst : MSVOA14
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 08 15:44:54 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 16:08:17 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	4.681	168	251837	50.00	ug/L		0.00
42) 1,4-Difluorobenzene	5.931	114	392788	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.576	117	345675	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.741	152	188592	50.00	ug/L		0.00
System Monitoring Compounds							
44) surr4,Dibrflmethane	4.529	113	118034	45.10	ug/L		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 90.20%				
47) surr1,1,2-dichloroetha...	5.114	65	144209	47.01	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 94.02%				
64) SURR3,Toluene-d8	7.943	98	478117	45.76	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 91.52%				
69) SURR2,BFB	10.729	95	187184	46.27	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 92.54%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.042	85	42896	14.55	ug/L		98
3) Chloromethane	1.151	50	67195	20.35	ug/L		99
4) Vinyl Chloride	1.218	62	54901	18.43	ug/L		96
5) Bromomethane	1.401	94	23110	11.67	ug/L		98
6) Chloroethane	1.462	64	12103	6.93	ug/L		93
7) Freon 21	1.584	67	55179	13.11	ug/L		99
8) Trichlorofluoromethane	1.615	101	47551	14.25	ug/L		99
9) Diethyl Ether	1.846	59	40911	17.35	ug/L		97
10) Freon 123a	1.840	67	37012	14.18	ug/L		97
11) Freon 123	1.889	83	46845	15.74	ug/L		98
12) Acrolein	1.932	56	19575	30.18	ug/L		97
13) 1,1-Diclethene	1.993	96	36211	17.21	ug/L		94
14) Freon 113	1.999	101	33021	17.31	ug/L		100
15) Acetone	2.060	43	28594	23.23	ug/L		98
16) 2-Propanol	2.316	45	97530m	356.16	ug/L		
17) Iodomethane	2.108	142	33852	12.51	ug/L		99
18) Carbon Disulfide	2.157	76	118852	21.34	ug/L		99
19) Acetonitrile	2.273	40	29448m	119.13	ug/L		
20) Allyl Chloride	2.279	76	23691	19.52	ug/L	#	53
21) Methyl Acetate	2.316	43	59085	23.09	ug/L		94
22) Methylene Chloride	2.383	84	51952	19.37	ug/L		96
23) TBA	2.541	59	103157	224.47	ug/L		96
24) Acrylonitrile	2.608	53	135970	95.37	ug/L		97
25) Methyl-t-Butyl Ether	2.663	73	166411	20.78	ug/L		95
26) trans-1,2-Dichloroethene	2.633	96	43245	18.35	ug/L		91
27) 1,1-Diclethane	3.059	63	87220	20.17	ug/L		99
28) Vinyl Acetate	3.145	86	13004	23.34	ug/L	#	73
29) DIPE	3.188	45	186663	25.18	ug/L		95
30) 2-Chloro-1,3-Butadiene	3.163	53	68461	24.03	ug/L		89
31) ETBE	3.639	59	157809	22.33	ug/L		97
32) 2,2-Dichloropropane	3.773	77	58766	18.40	ug/L		97
33) cis-1,2-Dichloroethene	3.773	96	52990	19.50	ug/L		94
34) 2-Butanone	3.834	43	36706	20.06	ug/L		97
35) Propionitrile	3.895	54	56357	95.90	ug/L		100
36) Bromochloromethane	4.114	130	33571	17.98	ug/L		88
37) Methacrylonitrile	4.126	67	27277	18.60	ug/L		97
38) Tetrahydrofuran	4.212	42	22270	18.51	ug/L		85
39) Chloroform	4.273	83	82922	19.42	ug/L		99
40) 1,1,1-Trichloroethane	4.541	97	58932	17.62	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\050819\
Data File : F6510.D
Acq On : 8 May 2019 3:28 pm
Operator : F.NAEGLER
Sample : LCS-MED Inst : MSVOA14
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 08 15:44:54 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 16:08:17 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) TAME	5.516	73	156629	22.37 ug/L	97
43) Cyclohexane	4.632	41	35203	17.73 ug/L	95
45) Carbontetrachloride	4.834	117	41506	14.93 ug/L	98
46) 1,1-Dichloropropene	4.846	75	56264	17.85 ug/L	98
48) Benzene	5.212	78	190225	18.35 ug/L	98
49) 1,2-Dichloroethane	5.254	62	73202	19.90 ug/L	97
50) Iso-Butyl Alcohol	5.394	43	50600m	252.72 ug/L	
51) n-Heptane	5.791	43	52467	20.40 ug/L	89
52) 1-Butanol	6.449	56	94696m	708.13 ug/L	
53) Trichloroethene	6.297	130	46650	16.49 ug/L	99
54) Methylcyclohexane	6.559	55	51926	18.76 ug/L	90
55) 1,2-Diclpropane	6.608	63	55464	19.71 ug/L	99
56) Dibromomethane	6.760	93	32870	17.52 ug/L	96
57) 1,4-Dioxane	6.894	88	20957	345.65 ug/L	97
58) Methyl Methacrylate	6.888	69	43922	18.14 ug/L	93
59) Bromodichloromethane	7.022	83	57862	17.69 ug/L	99
60) 2-Nitropropane	7.333	41	22191	31.09 ug/L	100
61) 2-Chloroethylvinyl Ether	7.485	63	14606	26.81 ug/L	93
62) cis-1,3-Dichloropropene	7.620	75	82383	19.08 ug/L	96
63) 4-Methyl-2-pentanone	7.863	43	61697	18.18 ug/L	98
65) Toluene	8.022	91	191876	17.32 ug/L	97
66) trans-1,3-Dichloropropene	8.327	75	74569	19.46 ug/L	98
67) Ethyl Methacrylate	8.504	69	78058	20.29 ug/L	91
68) 1,1,2-Trichloroethane	8.528	97	48986	17.53 ug/L	97
71) Tetrachloroethene	8.668	164	33146	14.76 ug/L	92
72) 2-Hexanone	8.869	43	47341	18.80 ug/L	92
73) 1,3-Dichloropropane	8.711	76	89938	18.99 ug/L	97
74) Dibromochloromethane	8.961	129	41220	15.91 ug/L	98
75) N-Butyl Acetate	9.052	43	87294	18.70 ug/L	97
76) 1,2-Dibromoethane	9.052	107	49132	17.30 ug/L	98
77) 3-Chlorobenzotrifluoride	9.650	180	62541	17.59 ug/L	96
78) Chlorobenzene	9.607	112	127832	17.45 ug/L	95
79) 4-Chlorobenzotrifluoride	9.711	180	56461	17.53 ug/L	95
80) 1,1,1,2-Tetrachloroethane	9.705	131	42928	17.97 ug/L	99
81) Ethylbenzene	9.747	106	64043	17.20 ug/L	97
82) (m+p)Xylene	9.869	106	159164	34.56 ug/L	97
83) o-Xylene	10.247	106	81601	17.91 ug/L	98
84) Styrene	10.259	104	141048	18.24 ug/L	95
85) Bromoform	10.412	173	24843	15.75 ug/L	96
86) 2-Chlorobenzotrifluoride	10.515	180	64649	18.05 ug/L	98
87) Isopropylbenzene	10.607	105	192855	17.14 ug/L	100
88) Cyclohexanone	10.668	55	243353	370.66 ug/L	100
89) trans-1,4-Dichloro-2-B...	10.936	53	17298	18.97 ug/L	86
91) 1,1,2,2-Tetrachloroethane	10.881	83	71969	18.14 ug/L	97
92) Bromobenzene	10.845	156	57653	17.60 ug/L	89
93) 1,2,3-Trichloropropane	10.906	110	22420	16.38 ug/L	99
94) n-Propylbenzene	10.979	91	228791	17.69 ug/L	98
95) 2-Chlorotoluene	11.034	91	147421	18.19 ug/L	98
96) 3-Chlorotoluene	11.088	91	160612	20.26 ug/L	98
97) 4-Chlorotoluene	11.131	91	170290	18.21 ug/L	98
98) 1,3,5-Trimethylbenzene	11.143	105	166757	17.97 ug/L	98
99) tert-Butylbenzene	11.418	119	137360	17.09 ug/L	97
100) 1,2,4-Trimethylbenzene	11.460	105	174768	18.60 ug/L	100
101) 3,4-Dichlorobenzotrifl...	11.533	214	52970	18.82 ug/L	98
102) sec-Butylbenzene	11.607	105	201011	17.51 ug/L	98
103) p-Isopropyltoluene	11.735	119	171764	17.59 ug/L	98

Quantitation Report (QT Reviewed)

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Acq On : 8 May 2019 3:28 pm
Operator : F.NAEGLER
Sample : LCS-MED Inst : MSVOA14
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 08 15:44:54 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 16:08:17 2019
Response via : Initial Calibration

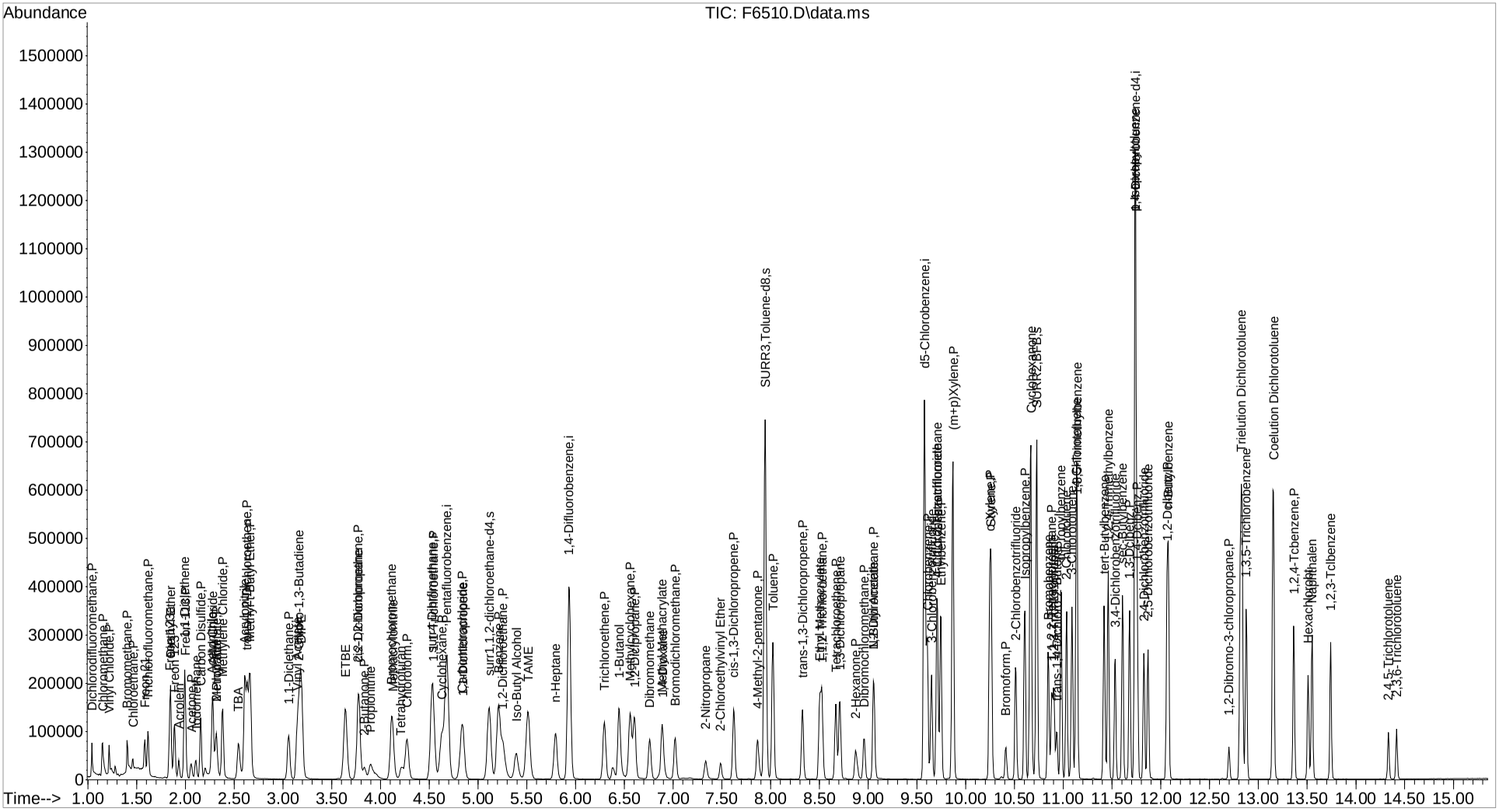
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3-Dclbenz	11.680	146	107063	18.06	ug/L	98
105) 1,4-Dclbenz	11.759	146	110800	17.79	ug/L	99
106) 2,4-Dichlorobenzotrifl...	11.826	214	49525	19.49	ug/L	96
107) 2,5-Dichlorobenzotrifl...	11.869	214	53915	18.51	ug/L	95
108) n-Butylbenzene	12.076	91	161754	18.80	ug/L	97
109) 1,2-Dclbenz	12.064	146	109972	18.27	ug/L	99
110) 1,2-Dibromo-3-chloropr...	12.698	157	13195	14.79	ug/L	97
111) Trielution Dichlorotol...	12.826	125	285614	65.48	ug/L	98
112) 1,3,5-Trichlorobenzene	12.875	180	82291	21.28	ug/L	98
113) Coelution Dichlorotoluene	13.155	125	208213	44.48	ug/L	99
114) 1,2,4-Tcbenzene	13.362	180	71791	17.95	ug/L	98
115) Hexachlorobt	13.509	225	31424	18.12	ug/L	97
116) Naphthalen	13.551	128	173193	14.59	ug/L	99
117) 1,2,3-Tclbenzene	13.740	180	63543	16.39	ug/L	99
118) 2,4,5-Trichlorotoluene	14.332	159	19159	23.14	ug/L	98
119) 2,3,6-Trichlorotoluene	14.417	159	18876	19.64	ug/L	96

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\050819\
Data File : F6510.D
Acq On : 8 May 2019 3:28 pm
Operator : F.NAEGLER
Sample : LCS-MED Inst : MSVOA14
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 08 15:44:54 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 16:08:17 2019
Response via : Initial Calibration



1st FJ 05/10/19
2nd 05/10/19

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\050819\
Data File : E0944.D
Acq On : 8 May 2019 10:37 am
Operator : D.LIPANI
Sample : LCS-Acid Inst : MSVOA10
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 08 10:51:56 2019
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W043019.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 01 13:32:41 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.385	168	260446	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.488	114	409528	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.805	117	361597	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.853	152	186995	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.232	113	131250	48.93	ug/L	0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 97.86%			
46) surr1,1,2-dichloroetha...	5.781	65	183974	48.63	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 97.26%			
64) SURR3,Toluene-d8	8.311	98	533679	48.07	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 96.14%			
69) SURR2,BFB	10.877	95	202694	47.18	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 94.36%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.154	85	76266	20.48	ug/L	99
3) Chloromethane	1.282	50	95924	18.84	ug/L	98
4) Vinyl Chloride	1.355	62	92075	19.58	ug/L	97
5) Bromomethane	1.581	94	49255	16.72	ug/L	100
6) Chloroethane	1.660	64	45886	16.12	ug/L	98
7) Freon 21	1.812	67	107624	16.07	ug/L	98
8) Trichlorofluoromethane	1.861	101	87692	19.36	ug/L	97
9) Diethyl Ether	2.093	59	58719	19.56	ug/L	100
10) Freon 123a	2.093	67	71188	18.40	ug/L	98
11) Freon 123	2.147	83	83190	20.33	ug/L	97
12) Acrolein	2.196	56	31398	41.36	ug/L	95
13) 1,1-Diclethene	2.282	96	51777	18.69	ug/L	97
14) Freon 113	2.288	101	52954	20.98	ug/L	99
15) Acetone	2.324	43	32270	17.42	ug/L	96
16) 2-Propanol	2.458	45	153723	398.00	ug/L	96
17) Iodomethane	2.416	142	68290	20.15	ug/L	93
18) Carbon Disulfide	2.477	76	167308	20.16	ug/L	98
19) Acetonitrile	2.580	41	70310	108.45	ug/L	96
20) Allyl Chloride	2.611	76	31404	19.00	ug/L #	82
21) Methyl Acetate	2.635	43	74035	19.14	ug/L	98
22) Methylene Chloride	2.733	84	59928	18.32	ug/L	97
23) TBA	2.861	59	206793	357.15	ug/L	100
24) Acrylonitrile	2.983	53	179542	100.47	ug/L	97
25) Methyl-t-Butyl Ether	3.031	73	198819	18.86	ug/L	99
26) trans-1,2-Dichloroethene	3.031	96	56433	19.30	ug/L	92
27) 1,1-Diclethane	3.525	63	120322	19.43	ug/L	98
28) Vinyl Acetate	3.617	86	13614	20.16	ug/L #	78
29) DIPE	3.653	45	251385	21.77	ug/L	95
30) 2-Chloro-1,3-Butadiene	3.647	53	97938	19.98	ug/L	99
31) ETBE	4.178	59	196482	19.24	ug/L	92
32) 2,2-Dichloropropane	4.360	77	90161	17.68	ug/L	97
33) cis-1,2-Dichloroethene	4.367	96	61065	18.92	ug/L	97
34) 2-Butanone	4.415	43	46693	19.72	ug/L	97
35) Propionitrile	4.488	54	69992	99.35	ug/L	95
36) Bromochloromethane	4.763	130	34412	18.12	ug/L	92
37) Methacrylonitrile	4.769	67	34040	18.47	ug/L #	82
38) Tetrahydrofuran	4.860	42	32911	19.90	ug/L	92
39) Chloroform	4.946	83	102920	18.83	ug/L	94
40) 1,1,1-Trichloroethane	5.251	97	83038	18.17	ug/L	97

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\050819\
Data File : E0944.D
Acq On : 8 May 2019 10:37 am
Operator : D.LIPANI
Sample : LCS-Acid Inst : MSVOA10
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 08 10:51:56 2019
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W043019.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 01 13:32:41 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Cyclohexane	5.330	41	68217	18.61	ug/L	98
44) Carbontetrachloride	5.531	117	64474	17.85	ug/L	99
45) 1,1-Dichloropropene	5.543	75	83568	19.42	ug/L	97
47) Benzene	5.860	78	242867	19.29	ug/L	98
48) 1,2-Dichloroethane	5.903	62	88089	17.53	ug/L	96
49) Iso-Butyl Alcohol	5.872	43	98990	361.35	ug/L	96
50) TAME	6.098	73	182537	19.74	ug/L	98
51) n-Heptane	6.354	43	101437	21.68	ug/L	93
52) 1-Butanol	6.848	56	134687	866.45	ug/L	96
53) Trichloroethene	6.811	130	58347	18.64	ug/L	98
54) Methylcyclohexane	7.049	55	84817	19.27	ug/L	90
55) 1,2-Diclpropane	7.098	63	67908	19.40	ug/L	97
56) Dibromomethane	7.238	93	36886	18.38	ug/L	91
57) 1,4-Dioxane	7.299	88	21045	365.37	ug/L	94
58) Methyl Methacrylate	7.329	69	52886	18.96	ug/L	96
59) Bromodichloromethane	7.463	83	71602	18.13	ug/L	98
60) 2-Nitropropane	7.750	41	35978	29.09	ug/L	92
61) 2-Chloroethylvinyl Ether	7.878	63	1327	0.72	ug/L	89
62) cis-1,3-Dichloropropene	8.012	75	99886	19.03	ug/L	97
63) 4-Methyl-2-pentanone	8.219	43	90782	20.21	ug/L	96
65) Toluene	8.384	91	244339	18.45	ug/L	98
66) trans-1,3-Dichloropropene	8.652	75	87911	18.14	ug/L	99
67) Ethyl Methacrylate	8.793	69	93180	18.54	ug/L	98
68) 1,1,2-Trichloroethane	8.841	97	50963	17.29	ug/L	94
71) Tetrachloroethene	8.975	164	40905	17.61	ug/L	94
72) 2-Hexanone	9.134	43	63822	18.26	ug/L	100
73) 1,3-Dichloropropane	9.012	76	99327	18.99	ug/L	96
74) Dibromochloromethane	9.238	129	48170	16.90	ug/L	93
75) N-Butyl Acetate	9.286	43	134941	19.69	ug/L	98
76) 1,2-Dibromoethane	9.335	107	51845	17.74	ug/L	99
77) 3-Chlorobenzotrifluoride	9.847	180	79588	19.16	ug/L	93
78) Chlorobenzene	9.829	112	145809	17.88	ug/L	99
79) 4-Chlorobenzotrifluoride	9.902	180	72900	19.70	ug/L	94
80) 1,1,1,2-Tetrachloroethane	9.914	131	49339	17.97	ug/L	98
81) Ethylbenzene	9.951	106	80955	18.96	ug/L	96
82) (m+p)Xylene	10.061	106	199425	36.32	ug/L	98
83) o-Xylene	10.420	106	97479	18.24	ug/L	96
84) Styrene	10.432	104	165784	18.58	ug/L	99
85) Bromoform	10.585	173	31554	17.43	ug/L	100
86) 2-Chlorobenzotrifluoride	10.664	180	74946	18.17	ug/L	97
87) Isopropylbenzene	10.756	105	252008	18.20	ug/L	100
88) Cyclohexanone	10.817	55	71233	92.80	ug/L	94
89) trans-1,4-Dichloro-2-B...	11.060	53	22162	19.32	ug/L	96
91) 1,1,2,2-Tetrachloroethane	11.012	83	73774	17.54	ug/L	98
92) Bromobenzene	10.999	156	63273	19.11	ug/L	96
93) 1,2,3-Trichloropropane	11.042	110	20906	16.69	ug/L	98
94) n-Propylbenzene	11.109	91	310268	18.71	ug/L	100
95) 2-Chlorotoluene	11.170	91	182996	18.71	ug/L	95
96) 3-Chlorotoluene	11.225	91	186996	19.27	ug/L	96
97) 4-Chlorotoluene	11.268	91	208944	18.28	ug/L	98
98) 1,3,5-Trimethylbenzene	11.262	105	210686	18.63	ug/L	98
99) tert-Butylbenzene	11.536	119	175408	18.35	ug/L	98
100) 1,2,4-Trimethylbenzene	11.572	105	209493	18.59	ug/L	98
101) 3,4-Dichlorobenzotrifl...	11.633	214	64722	18.90	ug/L	96
102) sec-Butylbenzene	11.719	105	268351	18.53	ug/L	98
103) p-Isopropyltoluene	11.841	119	217211	18.39	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\050819\
Data File : E0944.D
Acq On : 8 May 2019 10:37 am
Operator : D.LIPANI
Sample : LCS-Acid Inst : MSVOA10
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 08 10:51:56 2019
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W043019.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 01 13:32:41 2019
Response via : Initial Calibration

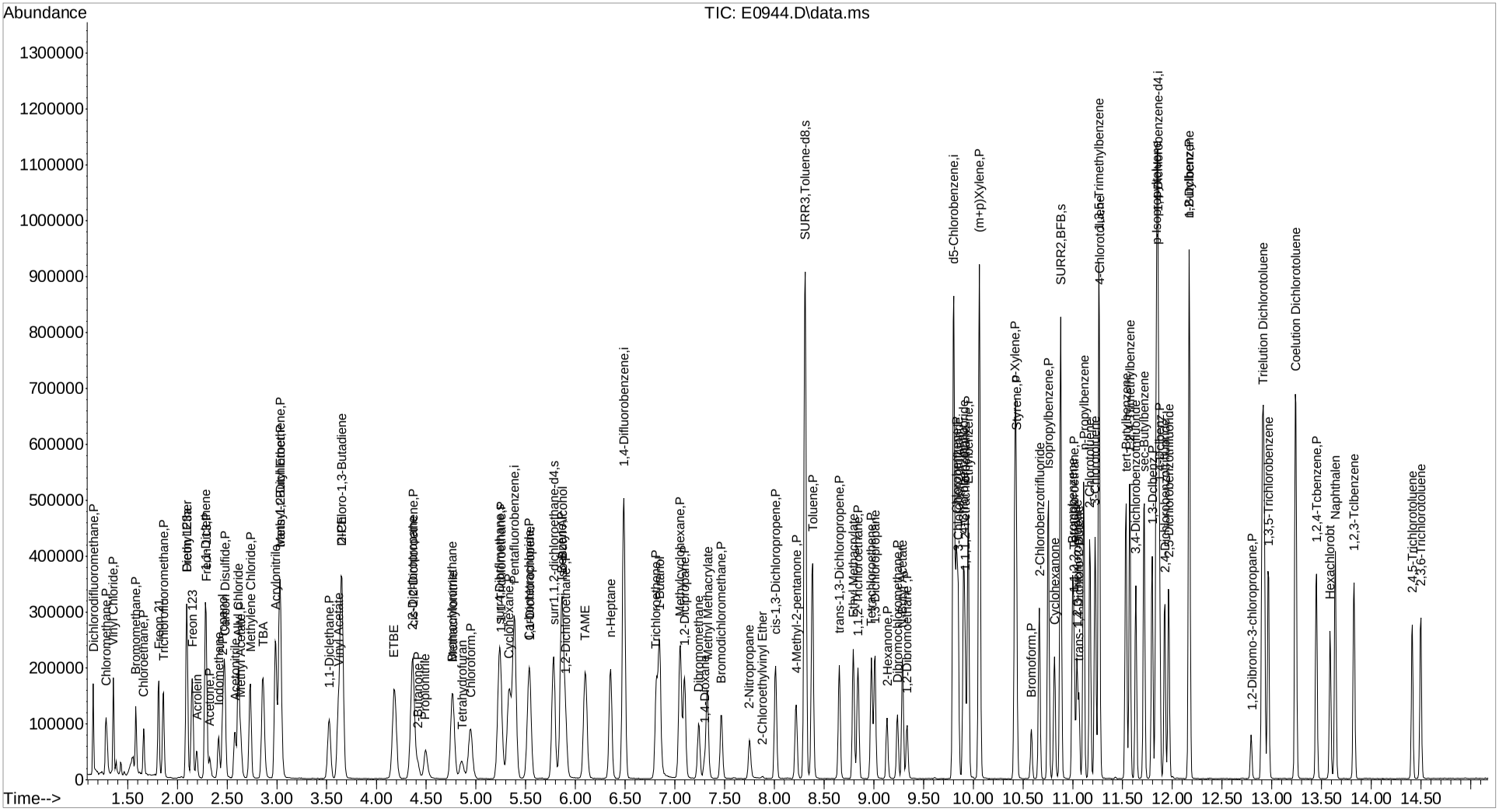
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
104) 1,3-Dclbenz	11.798	146	115274	18.00	ug/L		98
105) 1,4-Dclbenz	11.871	146	117996	17.92	ug/L		99
106) 2,4-Dichlorobenzotrifl...	11.926	214	59561	19.18	ug/L		97
107) 2,5-Dichlorobenzotrifl...	11.963	214	67914	20.86	ug/L		96
108) n-Butylbenzene	12.170	91	224788	19.12	ug/L		98
109) 1,2-Dclbenz	12.170	146	112347	17.73	ug/L		98
110) 1,2-Dibromo-3-chloropr...	12.798	157	14991	16.66	ug/L	#	81
111) Trielution Dichlorotol...	12.908	125	316449	57.49	ug/L		93
112) 1,3,5-Trichlorobenzene	12.969	180	90067	19.73	ug/L		98
113) Coelution Dichlorotoluene	13.243	125	221536	36.84	ug/L		96
114) 1,2,4-Tcbenzene	13.450	180	87343	18.56	ug/L		100
115) Hexachlorobt	13.584	225	38785	19.88	ug/L		96
116) Naphthalen	13.639	128	230889	18.54	ug/L		97
117) 1,2,3-Tclbenzene	13.828	180	82323	18.14	ug/L		95
118) 2,4,5-Trichlorotoluene	14.413	159	54276	20.36	ug/L		97
119) 2,3,6-Trichlorotoluene	14.499	159	52055	17.13	ug/L		97

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\050819\
Data File : E0944.D
Acq On : 8 May 2019 10:37 am
Operator : D.LIPANI
Sample : LCS-Acid Inst : MSVOA10
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 08 10:51:56 2019
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W043019.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 01 13:32:41 2019
Response via : Initial Calibration



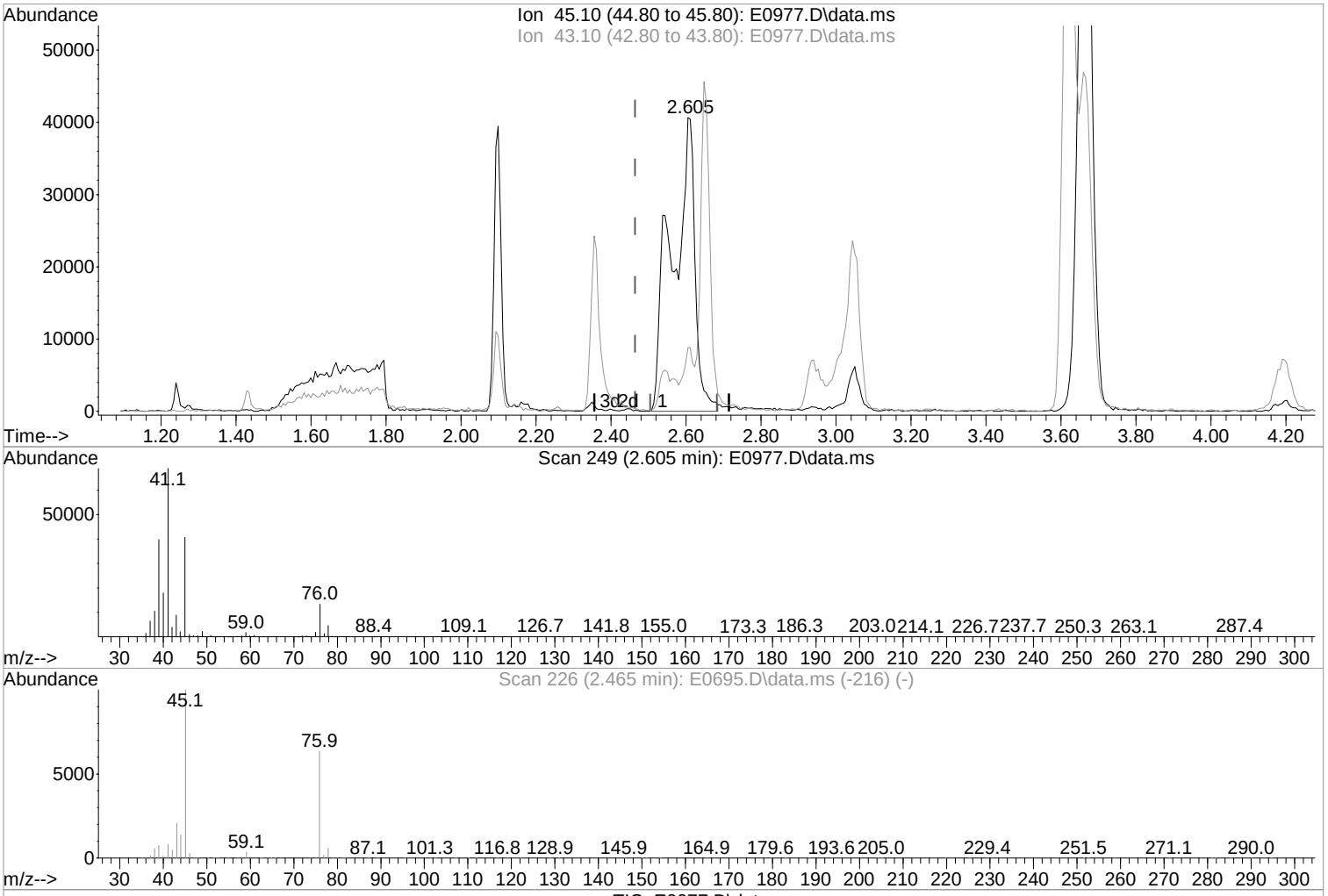
1st DL 05/08/19
2nd FJ 05/13/19

1st DL 05/13/19
2nd FW 05/13/19

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\051019\
Data File : E0977.D
Acq On : 10 May 2019 11:48 am
Operator : D.LIPANI
Sample : LCS-MED Inst : MSVOA10
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 10 12:03:32 2019
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W043019.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 01 13:32:41 2019
Response via : Initial Calibration



TIC: E0977.D\data.ms

(16) 2-Propanol

2.605min (+0.140) 476.27 ug/L m

response 171059

Ion	Exp%	Act%
45.10	100	100
43.10	20.90	21.72
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

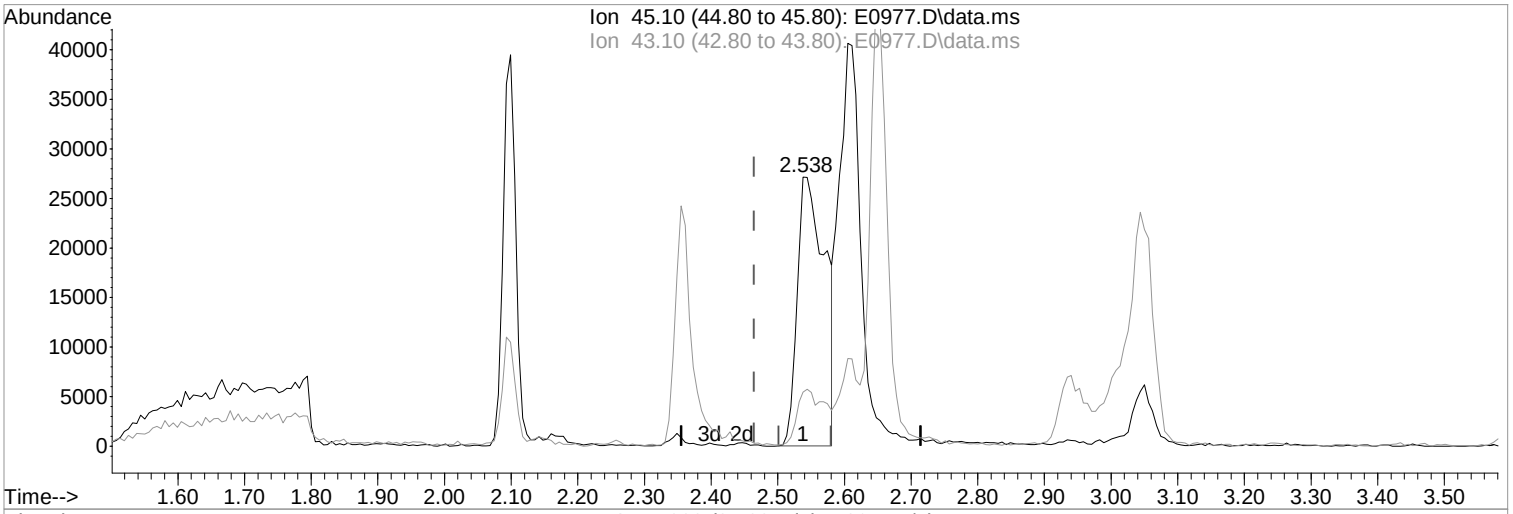
05/10/19

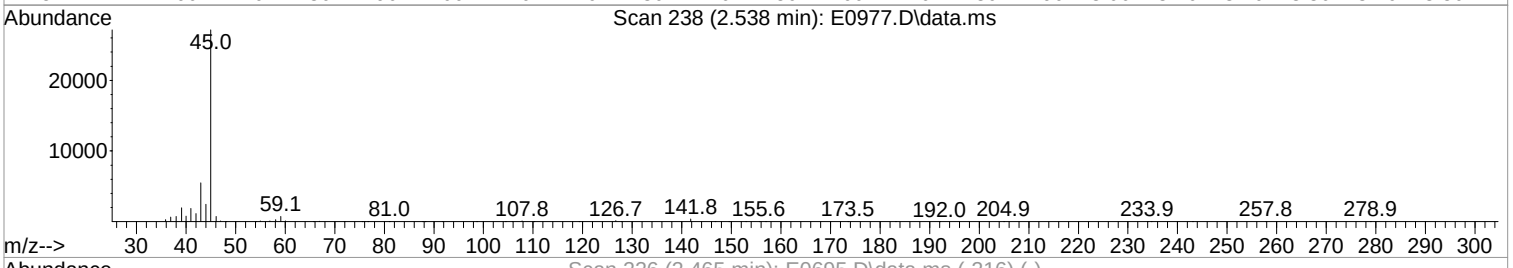
1st DL 05/13/19
2nd FW 05/13/19

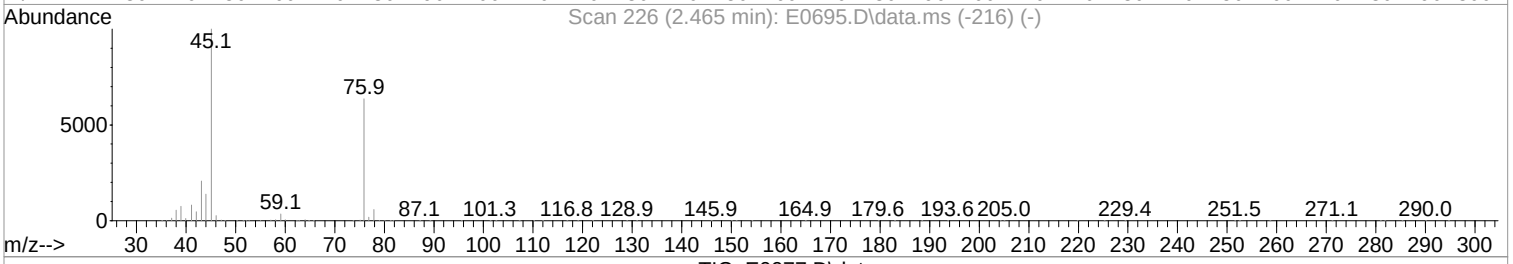
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\051019\
Data File : E0977.D
Acq On : 10 May 2019 11:48 am
Operator : D.LIPANI
Sample : LCS-MED Inst : MSVOA10
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 10 12:03:32 2019
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W043019.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 01 13:32:41 2019
Response via : Initial Calibration







TIC: E0977.D\data.ms

(16) 2-Propanol

2.538min (+0.073) 217.07 ug/L

response 77962

Ion	Exp%	Act%
45.10	100	100
43.10	20.90	20.16
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

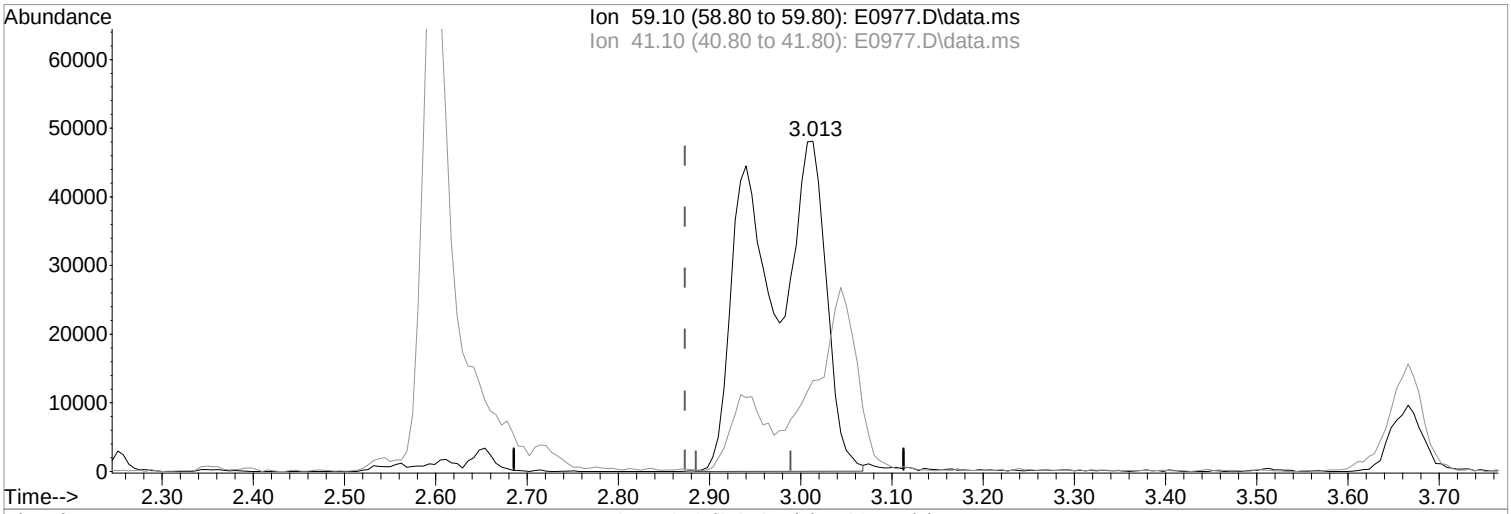
05/10/19

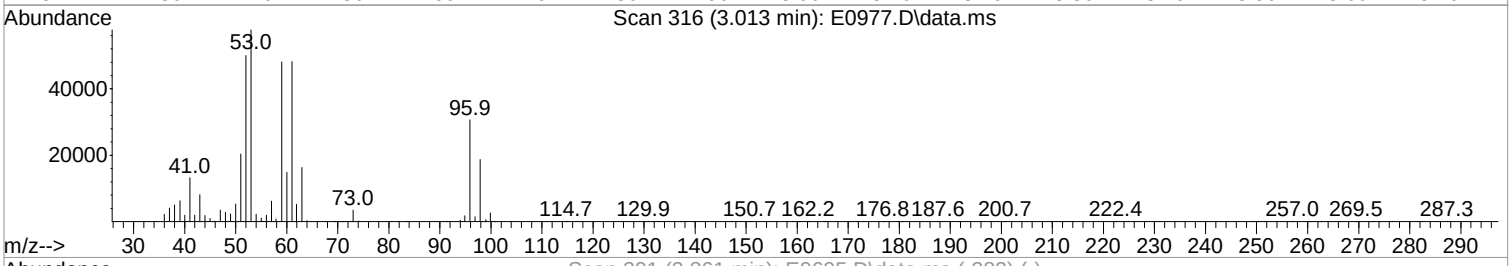
1st DL 05/13/19
2nd FW 05/13/19

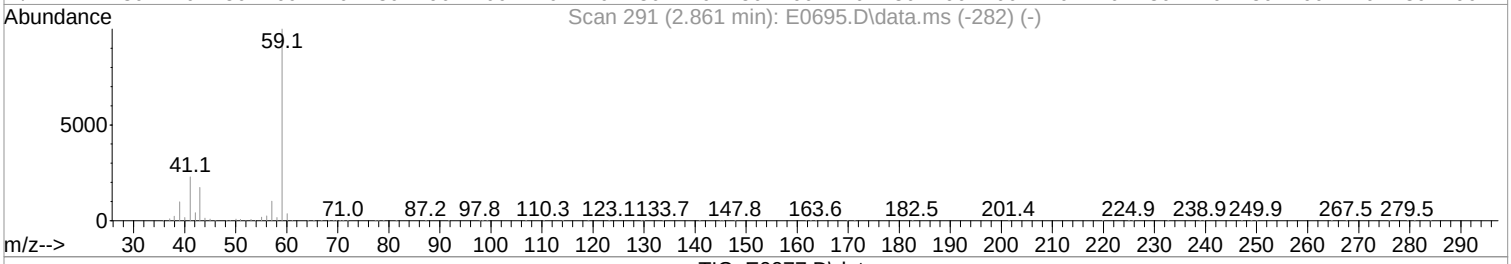
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\051019\
Data File : E0977.D
Acq On : 10 May 2019 11:48 am
Operator : D.LIPANI
Sample : LCS-MED Inst : MSVOA10
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 10 12:03:32 2019
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W043019.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 01 13:32:41 2019
Response via : Initial Calibration







TIC: E0977.D\data.ms

(23) TBA

3.013min (+0.140) 462.99 ug/L m

response 249282

Ion	Exp%	Act%
59.10	100	100
41.10	23.10	27.47
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

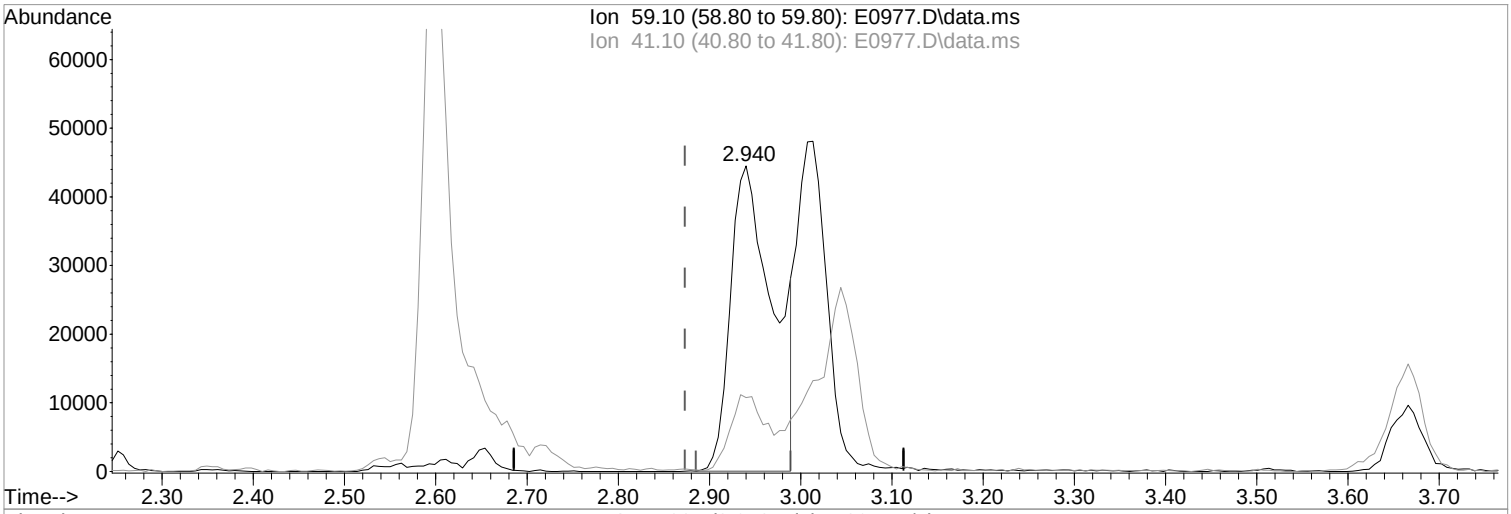
05/10/19

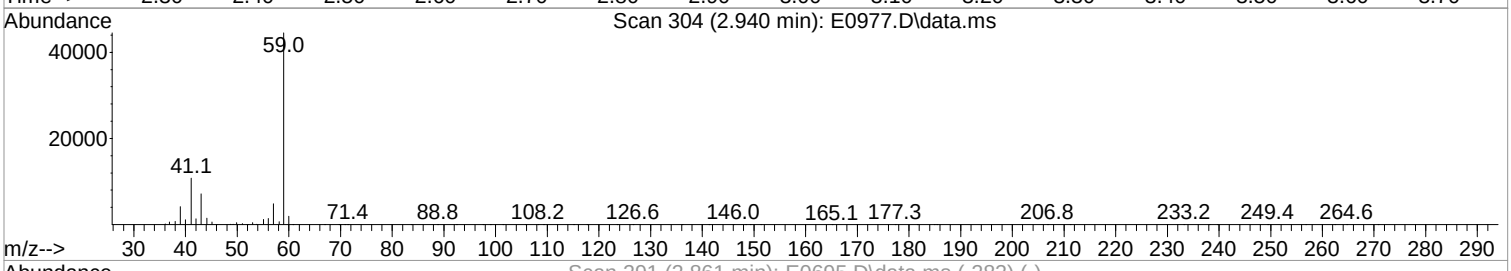
1st DL 05/13/19
2nd FW 05/13/19

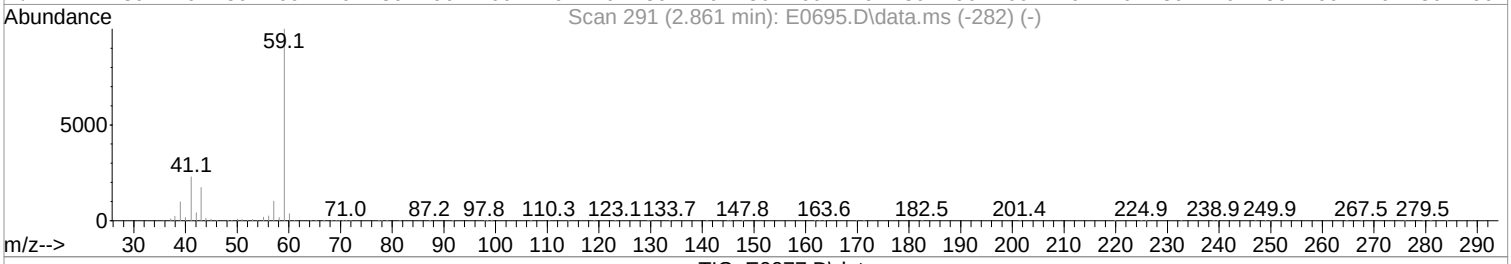
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\051019\
Data File : E0977.D
Acq On : 10 May 2019 11:48 am
Operator : D.LIPANI
Sample : LCS-MED Inst : MSVOA10
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 10 12:03:32 2019
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W043019.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 01 13:32:41 2019
Response via : Initial Calibration







TIC: E0977.D\data.ms

(23) TBA

2.940min (+0.067) 265.21 ug/L

response 142793

Ion	Exp%	Act%
59.10	100	100
41.10	23.10	24.15
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

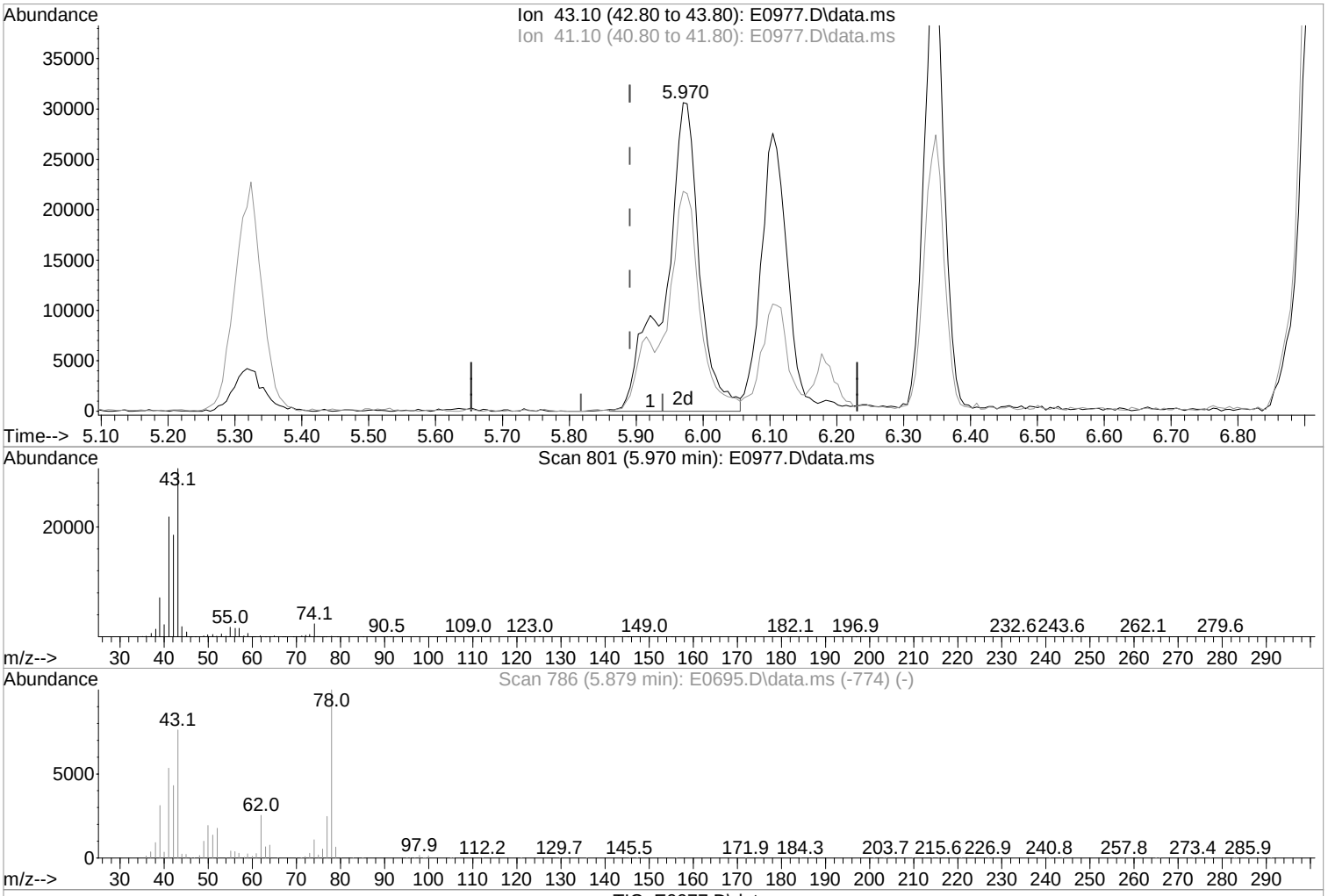
05/10/19

1st DL 05/13/19
2nd FW 05/13/19

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\051019\
Data File : E0977.D
Acq On : 10 May 2019 11:48 am
Operator : D.LIPANI
Sample : LCS-MED Inst : MSVOA10
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 10 12:03:32 2019
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W043019.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 01 13:32:41 2019
Response via : Initial Calibration



TIC: E0977.D\data.ms

(49) Iso-Butyl Alcohol

5.970min (+0.079) 427.22 ug/L m

response 110329

Ion	Exp%	Act%
43.10	100	100
41.10	70.40	71.23
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

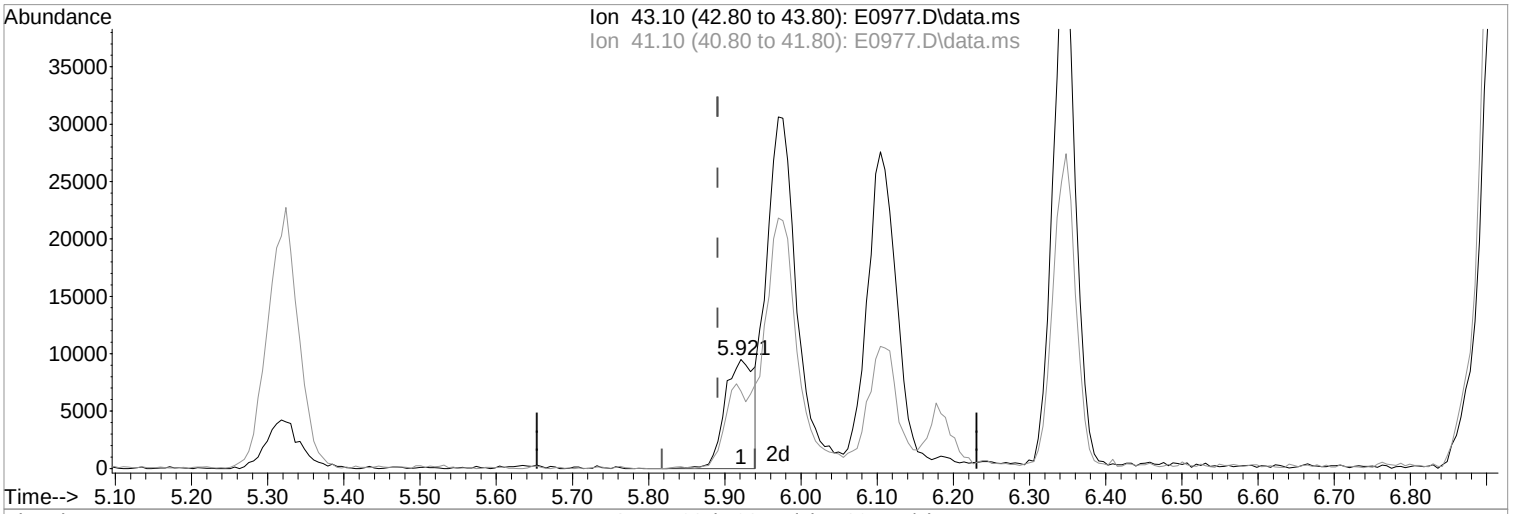
05/10/19

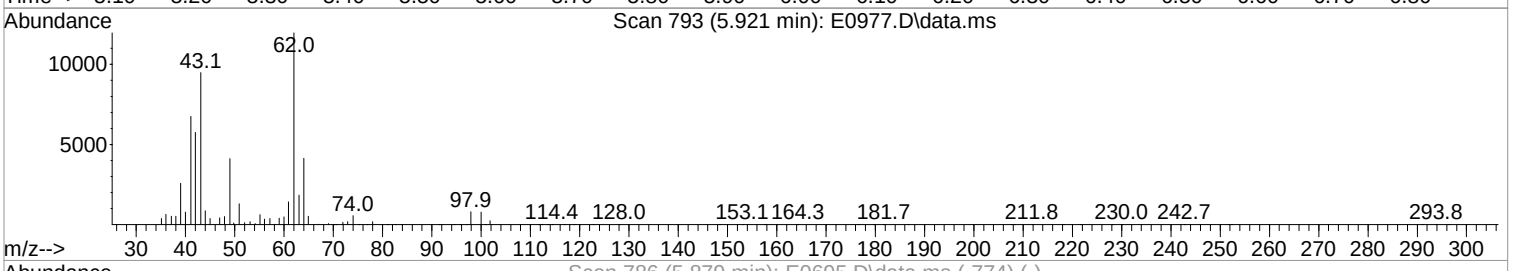
1st DL 05/13/19
2nd FW 05/13/19

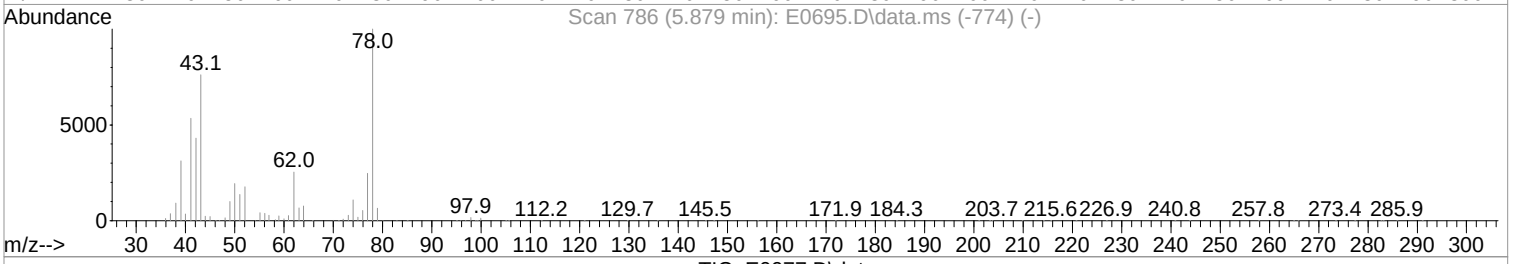
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\051019\
Data File : E0977.D
Acq On : 10 May 2019 11:48 am
Operator : D.LIPANI
Sample : LCS-MED Inst : MSVOA10
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 10 12:03:32 2019
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W043019.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 01 13:32:41 2019
Response via : Initial Calibration







TIC: E0977.D\data.ms

(49) Iso-Butyl Alcohol

5.921min (+0.030) 97.89 ug/L

response 25279

Ion	Exp%	Act%
43.10	100	100
41.10	70.40	71.14
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

05/10/19

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\051019\
Data File : E0977.D
Acq On : 10 May 2019 11:48 am
Operator : D.LIPANI
Sample : LCS-MED Inst : MSVOA10
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 10 12:06:01 2019
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W043019.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 01 13:32:41 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.385	168	242189	50.00	ug/L		0.00
41) 1,4-Difluorobenzene	6.488	114	386060	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.805	117	342196	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.853	152	192049	50.00	ug/L		0.00
System Monitoring Compounds							
43) surr4,Dibrflmethane	5.239	113	122071	48.27	ug/L		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 96.54%				
46) surr1,1,2-dichloroetha...	5.775	65	173038	48.52	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 97.04%				
64) SURR3,Toluene-d8	8.311	98	501058	47.87	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 95.74%				
69) SURR2,BFB	10.878	95	197651	48.80	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 97.60%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.148	85	66073	19.08	ug/L		96
3) Chloromethane	1.276	50	88333	18.65	ug/L		100
4) Vinyl Chloride	1.355	62	78517	17.95	ug/L		98
5) Bromomethane	1.575	94	46422	16.94	ug/L		93
6) Chloroethane	1.636	64	32093	12.12	ug/L		88
7) Freon 21	1.776	67	94760	15.22	ug/L		97
8) Trichlorofluoromethane	1.800	101	79202	18.80	ug/L		99
9) Diethyl Ether	2.099	59	57953	20.76	ug/L		96
10) Freon 123a	2.081	67	66885	18.59	ug/L		92
11) Freon 123	2.142	83	78301	20.58	ug/L		97
12) Acrolein	2.203	56	25843	36.61	ug/L		97
13) 1,1-Diclethene	2.251	96	49045	19.04	ug/L		100
14) Freon 113	2.257	101	47619	20.29	ug/L		98
15) Acetone	2.355	43	41109	23.86	ug/L		97
16) 2-Propanol	2.605	45	171059m	476.27	ug/L		
17) Iodomethane	2.392	142	23098	8.33	ug/L		93
18) Carbon Disulfide	2.446	76	147983	19.17	ug/L		99
19) Acetonitrile	2.599	41	173026	287.01	ug/L	#	43
20) Allyl Chloride	2.599	76	28596	18.60	ug/L	#	57
21) Methyl Acetate	2.648	43	80340	22.33	ug/L		98
22) Methylene Chloride	2.721	84	56782	18.67	ug/L		96
23) TBA	3.013	59	249282m	462.99	ug/L		
24) Acrylonitrile	3.001	53	188140	113.21	ug/L		93
25) Methyl-t-Butyl Ether	3.050	73	193385	19.73	ug/L		98
26) trans-1,2-Dichloroethene	3.013	96	52722	19.39	ug/L		99
27) 1,1-Diclethane	3.513	63	113890	19.78	ug/L		99
28) Vinyl Acetate	3.623	86	13798	21.97	ug/L	#	67
29) DIPE	3.660	45	235122	21.90	ug/L		96
30) 2-Chloro-1,3-Butadiene	3.635	53	94479	20.73	ug/L		97
31) ETBE	4.190	59	184986	19.48	ug/L		99
32) 2,2-Dichloropropane	4.355	77	85239	17.97	ug/L		96
33) cis-1,2-Dichloroethene	4.361	96	59623	19.87	ug/L		97
34) 2-Butanone	4.434	43	56583	25.70	ug/L		92
35) Propionitrile	4.525	54	79664	121.61	ug/L		98
36) Bromochloromethane	4.763	130	33706	19.09	ug/L		95
37) Methacrylonitrile	4.781	67	33220	19.38	ug/L	#	84
38) Tetrahydrofuran	4.879	42	34136	22.20	ug/L		96
39) Chloroform	4.940	83	96190	18.92	ug/L		96
40) 1,1,1-Trichloroethane	5.239	97	77425	18.22	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\051019\
Data File : E0977.D
Acq On : 10 May 2019 11:48 am
Operator : D.LIPANI
Sample : LCS-MED Inst : MSVOA10
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 10 12:06:01 2019
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W043019.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 01 13:32:41 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Cyclohexane	5.324	41	63166	18.28	ug/L	92
44) Carbontetrachloride	5.519	117	55453	16.28	ug/L	96
45) 1,1-Dichloropropene	5.531	75	75775	18.68	ug/L	96
47) Benzene	5.854	78	230768	19.45	ug/L	98
48) 1,2-Dichloroethane	5.897	62	87236	18.42	ug/L	94
49) Iso-Butyl Alcohol	5.970	43	110329m	427.22	ug/L	
50) TAME	6.110	73	173089	19.85	ug/L	98
51) n-Heptane	6.348	43	94867	21.51	ug/L	93
52) 1-Butanol	6.909	56	149336	1019.09	ug/L	93
53) Trichloroethene	6.811	130	52985	17.96	ug/L	96
54) Methylcyclohexane	7.049	55	81988	19.76	ug/L	92
55) 1,2-Diclpropane	7.098	63	64035	19.41	ug/L	98
56) Dibromomethane	7.238	93	33599	17.76	ug/L	88
57) 1,4-Dioxane	7.317	88	25419	468.14	ug/L	96
58) Methyl Methacrylate	7.330	69	54649	20.78	ug/L	97
59) Bromodichloromethane	7.470	83	65289	17.53	ug/L	97
60) 2-Nitropropane	7.756	41	29885	25.63	ug/L	89
61) 2-Chloroethylvinyl Ether	7.878	63	38795	22.47	ug/L	94
62) cis-1,3-Dichloropropene	8.012	75	93065	18.81	ug/L	98
63) 4-Methyl-2-pentanone	8.226	43	96413	22.77	ug/L	97
65) Toluene	8.384	91	234683	18.80	ug/L	98
66) trans-1,3-Dichloropropene	8.653	75	82636	18.08	ug/L	95
67) Ethyl Methacrylate	8.799	69	96222	20.31	ug/L	90
68) 1,1,2-Trichloroethane	8.841	97	51696	18.60	ug/L	98
71) Tetrachloroethene	8.976	164	39470	17.96	ug/L	93
72) 2-Hexanone	9.140	43	70971	21.46	ug/L	97
73) 1,3-Dichloropropane	9.012	76	98028	19.81	ug/L	98
74) Dibromochloromethane	9.238	129	42739	15.85	ug/L	96
75) N-Butyl Acetate	9.293	43	139745	21.54	ug/L	99
76) 1,2-Dibromoethane	9.335	107	50076	18.10	ug/L	94
77) 3-Chlorobenzotrifluoride	9.847	180	71011	18.07	ug/L	97
78) Chlorobenzene	9.829	112	140877	18.26	ug/L	99
79) 4-Chlorobenzotrifluoride	9.902	180	64712	18.48	ug/L	97
80) 1,1,1,2-Tetrachloroethane	9.914	131	47663	18.34	ug/L	95
81) Ethylbenzene	9.945	106	76454	18.92	ug/L	95
82) (m+p)Xylene	10.061	106	189282	36.43	ug/L	94
83) o-Xylene	10.420	106	93341	18.46	ug/L	100
84) Styrene	10.433	104	160937	19.06	ug/L	98
85) Bromoform	10.585	173	28110	16.45	ug/L	98
86) 2-Chlorobenzotrifluoride	10.664	180	68609	17.58	ug/L	97
87) Isopropylbenzene	10.756	105	242078	18.47	ug/L	99
88) Cyclohexanone	10.823	55	285295	392.75	ug/L	98
89) trans-1,4-Dichloro-2-B...	11.061	53	24088	22.05	ug/L	88
91) 1,1,2,2-Tetrachloroethane	11.018	83	80071	18.54	ug/L	96
92) Bromobenzene	11.000	156	61668	18.14	ug/L	99
93) 1,2,3-Trichloropropane	11.042	110	22550	17.53	ug/L	89
94) n-Propylbenzene	11.109	91	307107	18.03	ug/L	97
95) 2-Chlorotoluene	11.170	91	181037	18.02	ug/L	97
96) 3-Chlorotoluene	11.225	91	167996	16.85	ug/L	100
97) 4-Chlorotoluene	11.268	91	211389	18.01	ug/L	98
98) 1,3,5-Trimethylbenzene	11.262	105	207011	17.82	ug/L	99
99) tert-Butylbenzene	11.536	119	173804	17.71	ug/L	98
100) 1,2,4-Trimethylbenzene	11.573	105	213298	18.43	ug/L	96
101) 3,4-Dichlorobenzotrifl...	11.634	214	61799	17.57	ug/L	97
102) sec-Butylbenzene	11.719	105	269590	18.13	ug/L	97
103) p-Isopropyltoluene	11.841	119	221746	18.28	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\051019\
Data File : E0977.D
Acq On : 10 May 2019 11:48 am
Operator : D.LIPANI
Sample : LCS-MED Inst : MSVOA10
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 10 12:06:01 2019
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W043019.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 01 13:32:41 2019
Response via : Initial Calibration

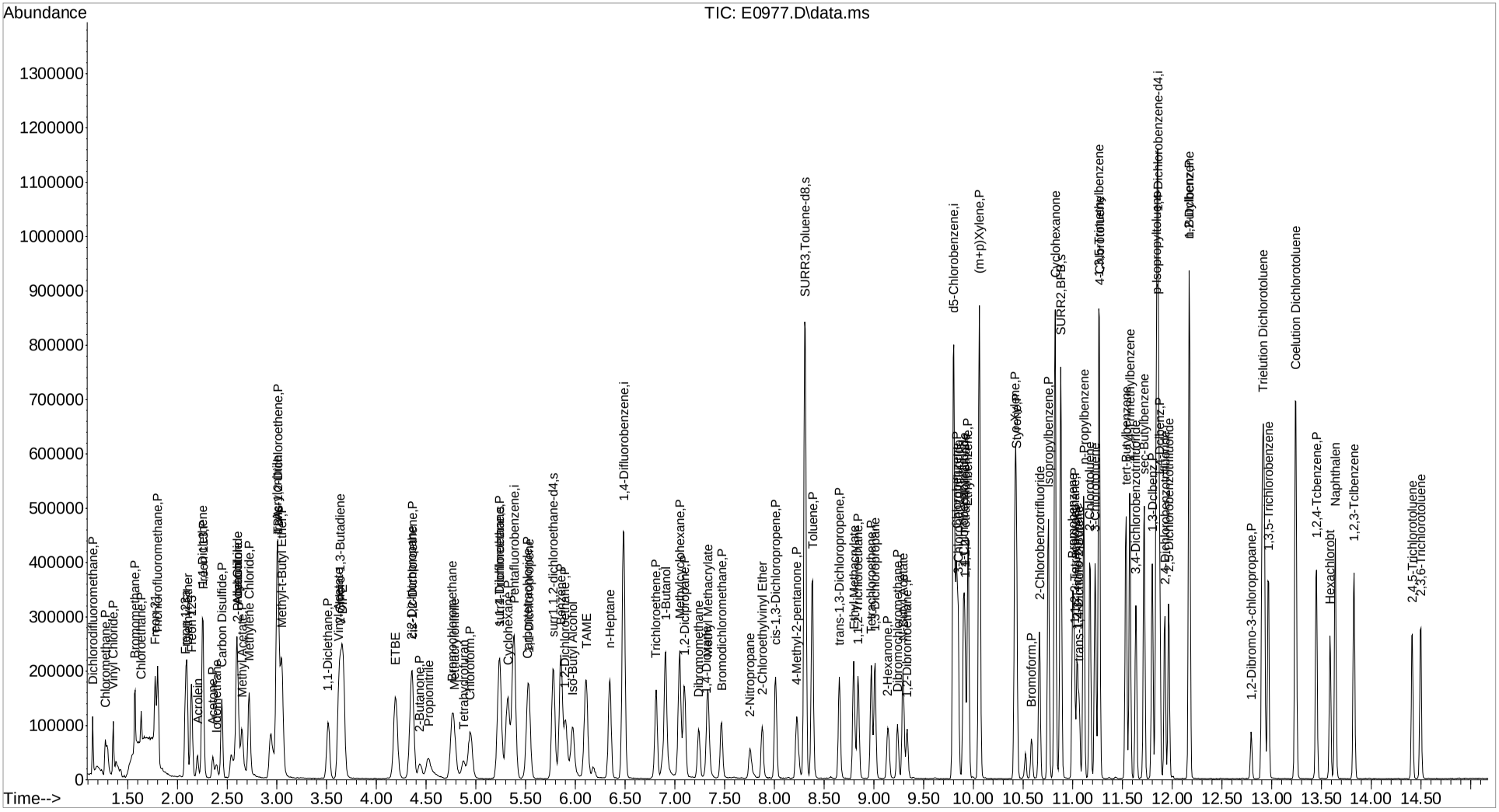
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3-Dclbenz	11.798	146	117473	17.86	ug/L	98
105) 1,4-Dclbenz	11.871	146	120049	17.75	ug/L	99
106) 2,4-Dichlorobenzotrifl...	11.926	214	58622	18.38	ug/L	99
107) 2,5-Dichlorobenzotrifl...	11.963	214	65494	19.59	ug/L	99
108) n-Butylbenzene	12.170	91	226101	18.72	ug/L	99
109) 1,2-Dclbenz	12.170	146	119696	18.39	ug/L	96
110) 1,2-Dibromo-3-chloropr...	12.792	157	14500	15.69	ug/L	95
111) Trielution Dichlorotol...	12.914	125	306073	54.14	ug/L	98
112) 1,3,5-Trichlorobenzene	12.969	180	85888	18.32	ug/L	96
113) Coelution Dichlorotoluene	13.243	125	222962	36.10	ug/L	96
114) 1,2,4-Tcbenzene	13.450	180	90806	18.79	ug/L	95
115) Hexachlorobt	13.584	225	37885	18.91	ug/L	96
116) Naphthalen	13.639	128	243591	19.04	ug/L	99
117) 1,2,3-Tclbenzene	13.828	180	88473	18.98	ug/L	97
118) 2,4,5-Trichlorotoluene	14.414	159	52723	19.25	ug/L	97
119) 2,3,6-Trichlorotoluene	14.499	159	51472	16.50	ug/L	99

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\051019\
Data File : E0977.D
Acq On : 10 May 2019 11:48 am
Operator : D.LIPANI
Sample : LCS-MED Inst : MSVOA10
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 10 12:06:01 2019
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W043019.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 01 13:32:41 2019
Response via : Initial Calibration



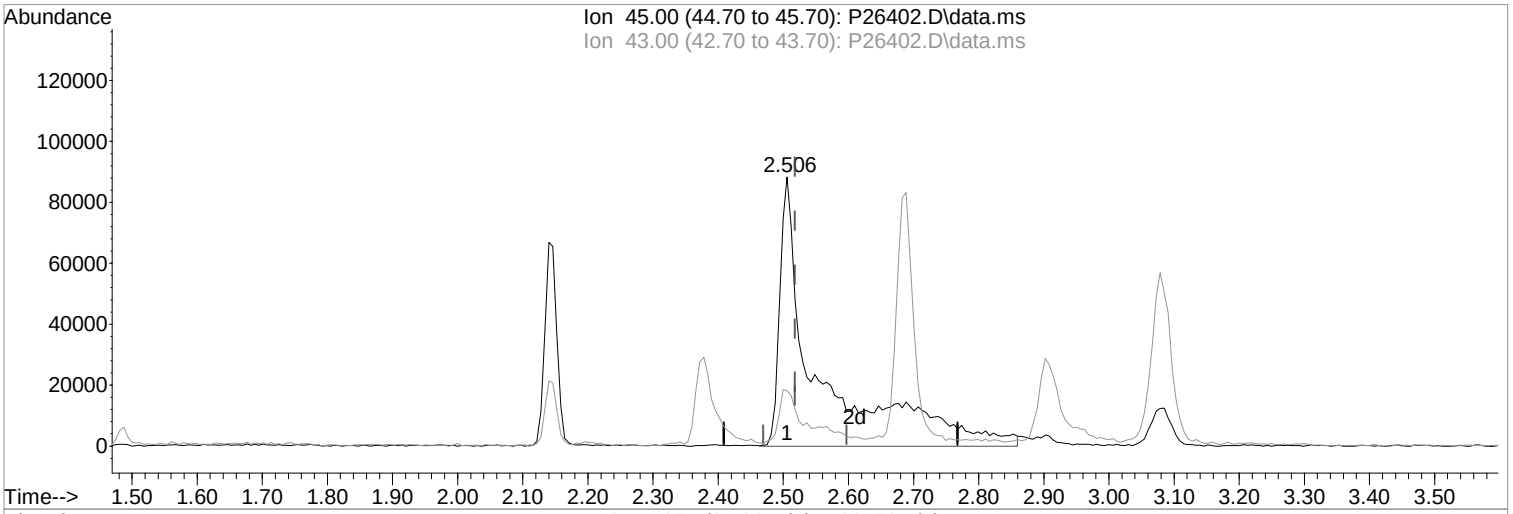
1st DL 05/13/19
2nd FJ 05/13/19

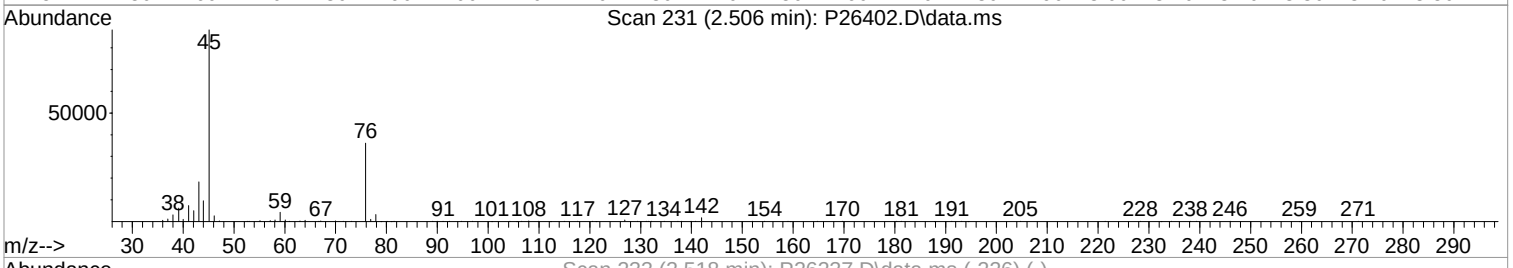
1st 05/06/19
2nd 05/08/19

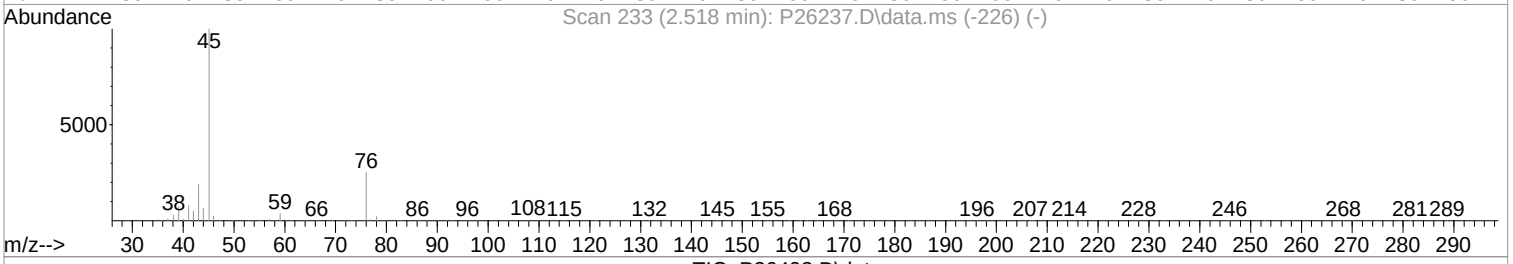
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050619\
Data File : P26402.D
Acq On : 6 May 2019 11:32 am
Operator : K.Ruest
Sample : CCV Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 06 11:48:46 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu May 02 11:39:03 2019
Response via : Initial Calibration







TIC: P26402.D\data.ms

(16) 2-Propanol

2.506min (-0.012) 854.71 ppb m

response 361587

Ion	Exp%	Act%
45.00	100	100
43.00	19.10	20.63
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

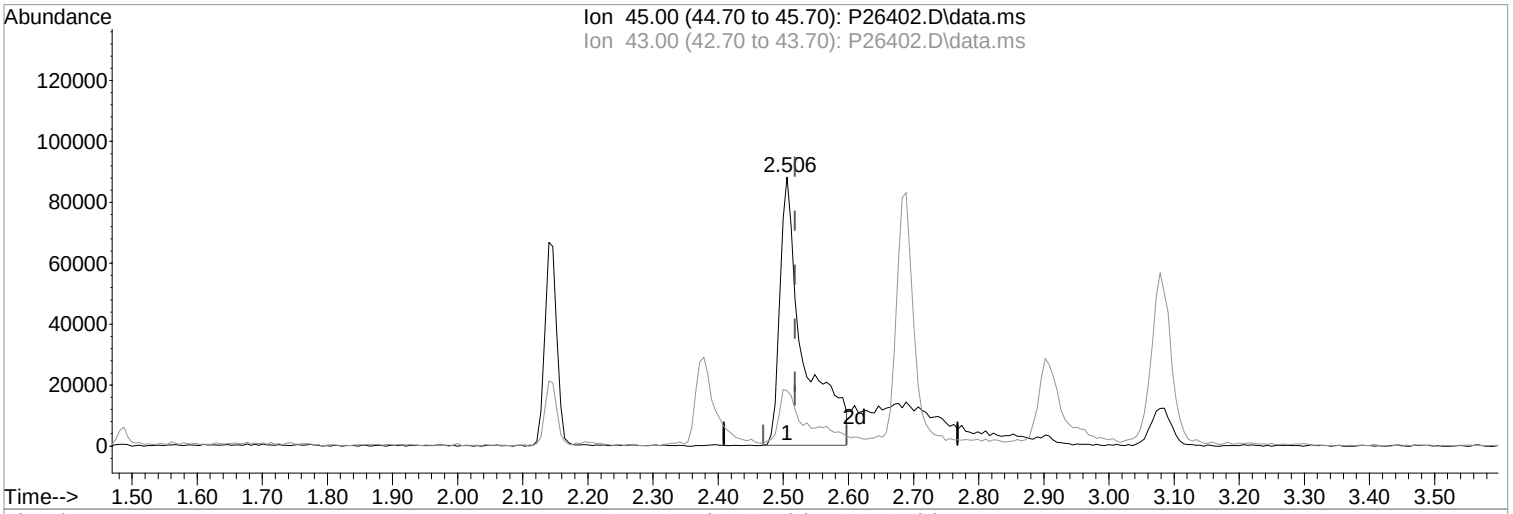
05/06/19

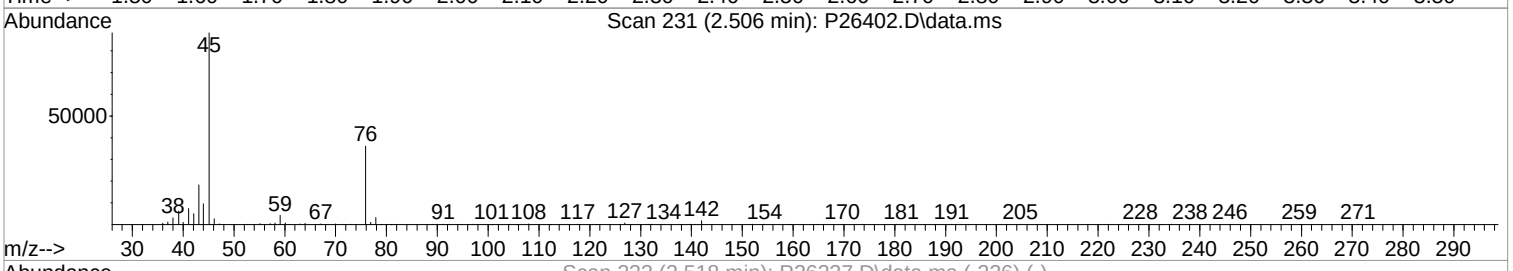
1st 05/06/19
2nd 05/08/19

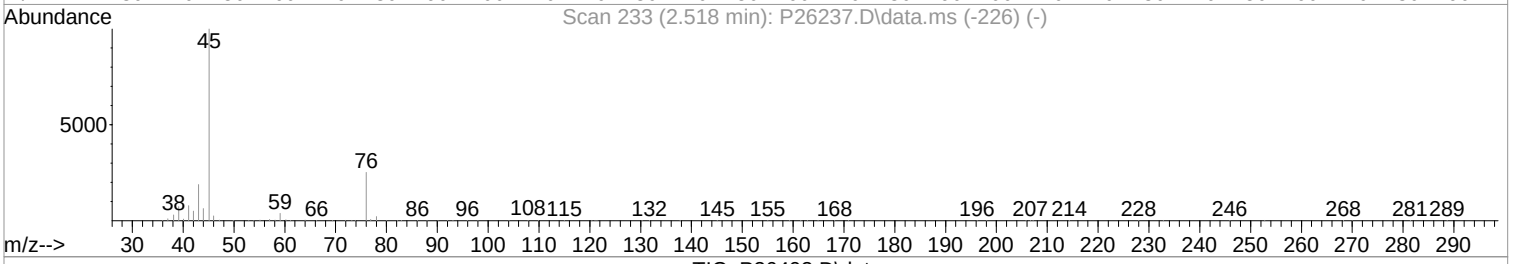
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050619\
Data File : P26402.D
Acq On : 6 May 2019 11:32 am
Operator : K.Ruest
Sample : CCV Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 06 11:48:46 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu May 02 11:39:03 2019
Response via : Initial Calibration







TIC: P26402.D\data.ms

(16) 2-Propanol

2.506min (-0.012) 528.51 ppb

response 223585

Ion	Exp%	Act%
45.00	100	100
43.00	19.10	20.63
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

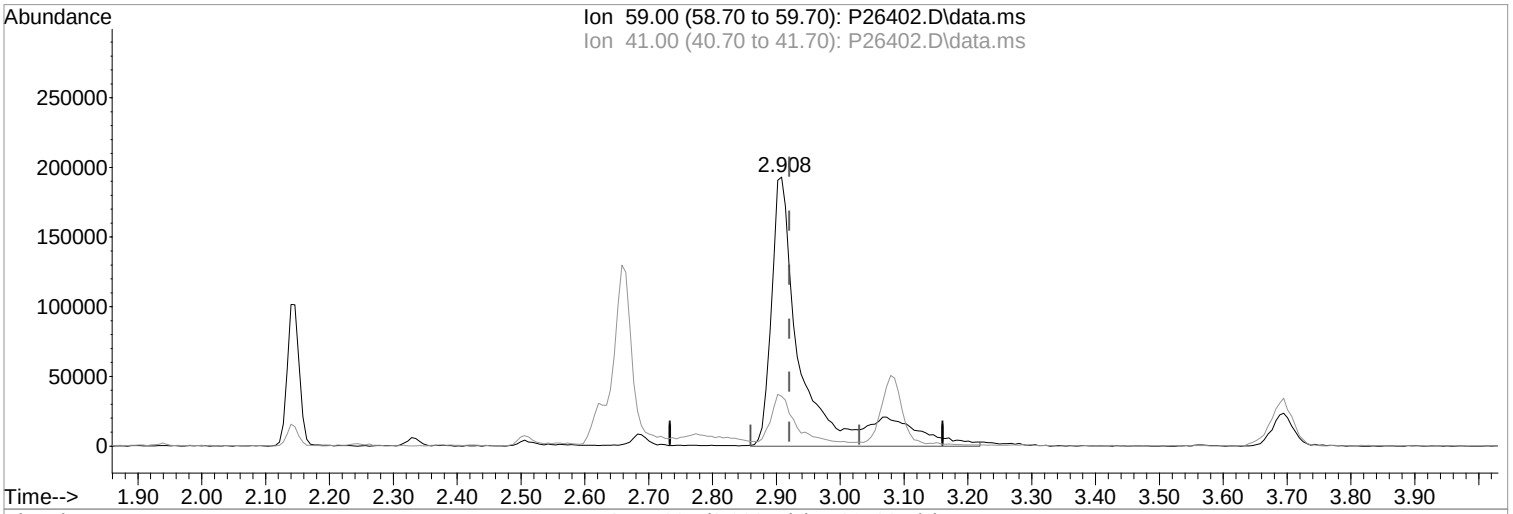
05/06/19

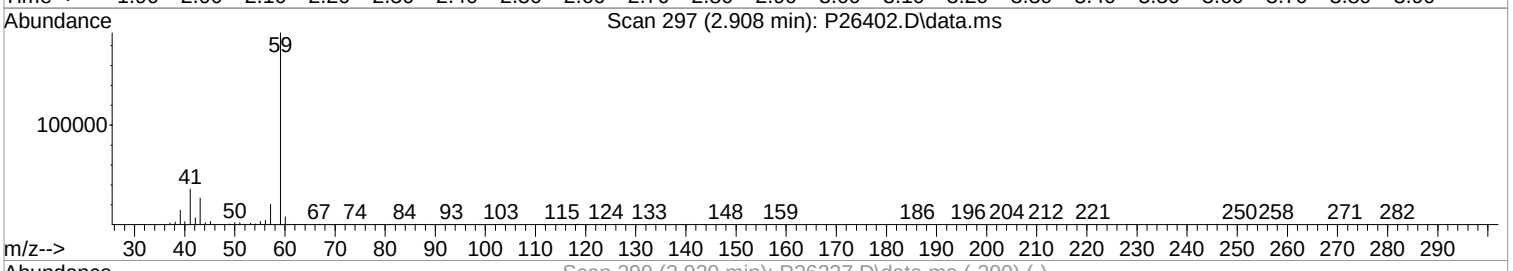
1st 05/06/19
2nd 05/08/19

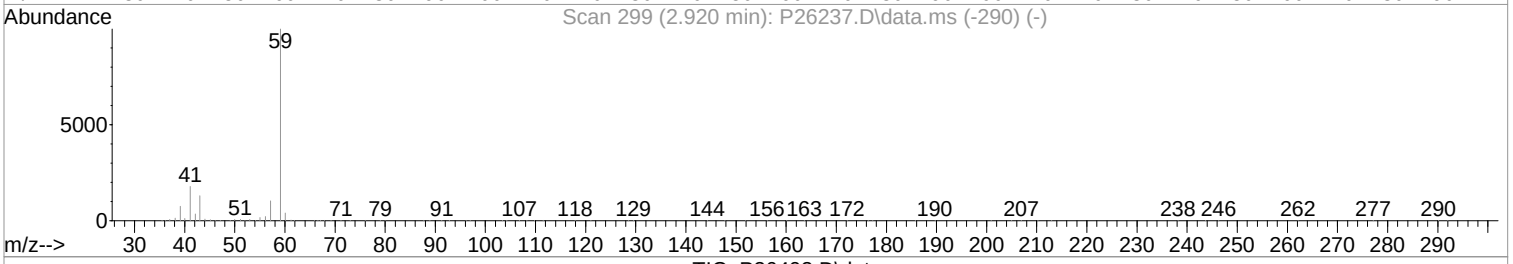
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050619\
Data File : P26402.D
Acq On : 6 May 2019 11:32 am
Operator : K.Ruest
Sample : CCV Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 06 11:48:46 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu May 02 11:39:03 2019
Response via : Initial Calibration







TIC: P26402.D\data.ms

(23) TBA

2.908min (-0.012) 872.49 ppb m

response 659874

Ion	Exp%	Act%
59.00	100	100
41.00	18.20	18.45
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

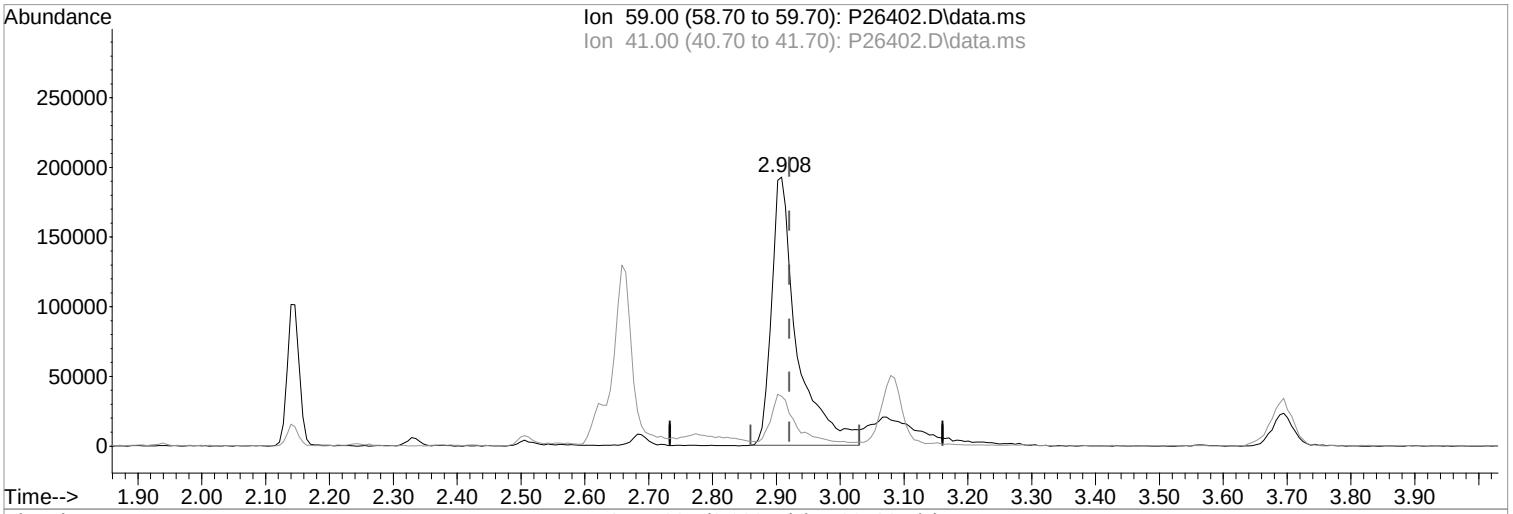
05/06/19

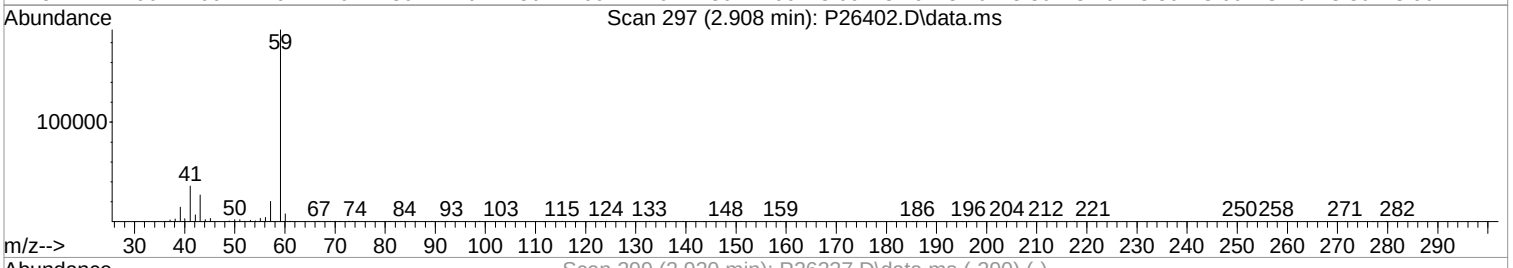
1st 05/06/19
2nd 05/08/19

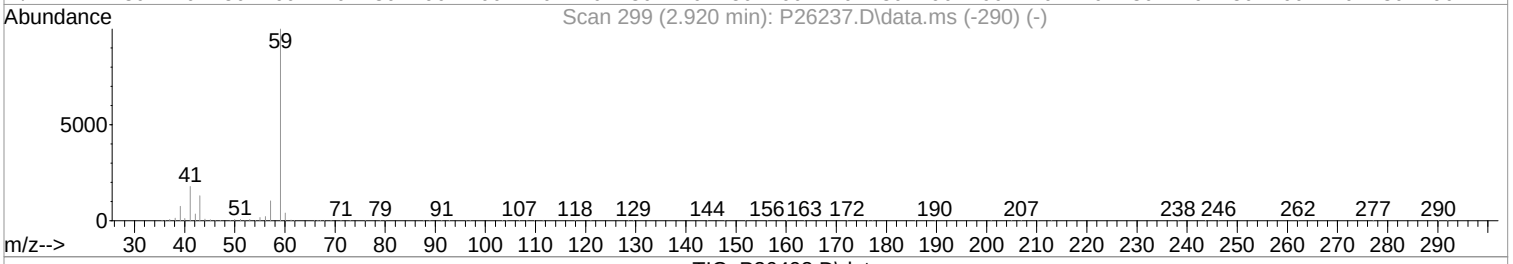
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050619\
Data File : P26402.D
Acq On : 6 May 2019 11:32 am
Operator : K.Ruest
Sample : CCV Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 06 11:48:46 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu May 02 11:39:03 2019
Response via : Initial Calibration







TIC: P26402.D\data.ms

(23) TBA

2.908min (-0.012) 706.76 ppb

response 534529

Ion	Exp%	Act%
59.00	100	100
41.00	18.20	18.45
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

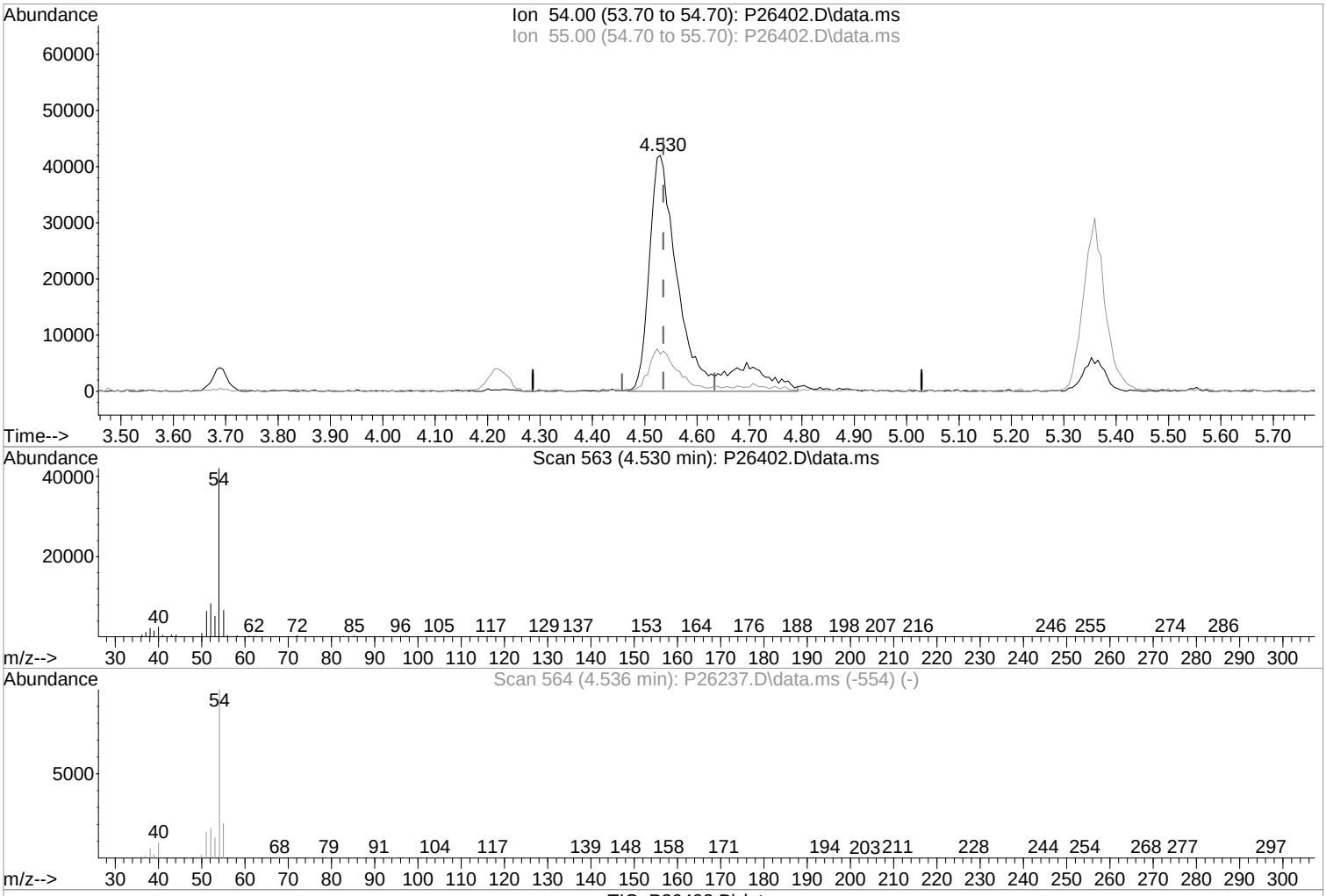
05/06/19

1st 05/06/19
2nd 05/08/19

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050619\
Data File : P26402.D
Acq On : 6 May 2019 11:32 am
Operator : K.Ruest
Sample : CCV Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 06 11:48:46 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu May 02 11:39:03 2019
Response via : Initial Calibration



TIC: P26402.D\data.ms

(36) Propionitrile

4.530min (-0.006) 229.38 ppb m

response 180083

Ion	Exp%	Act%
54.00	100	100
55.00	21.30	15.80
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

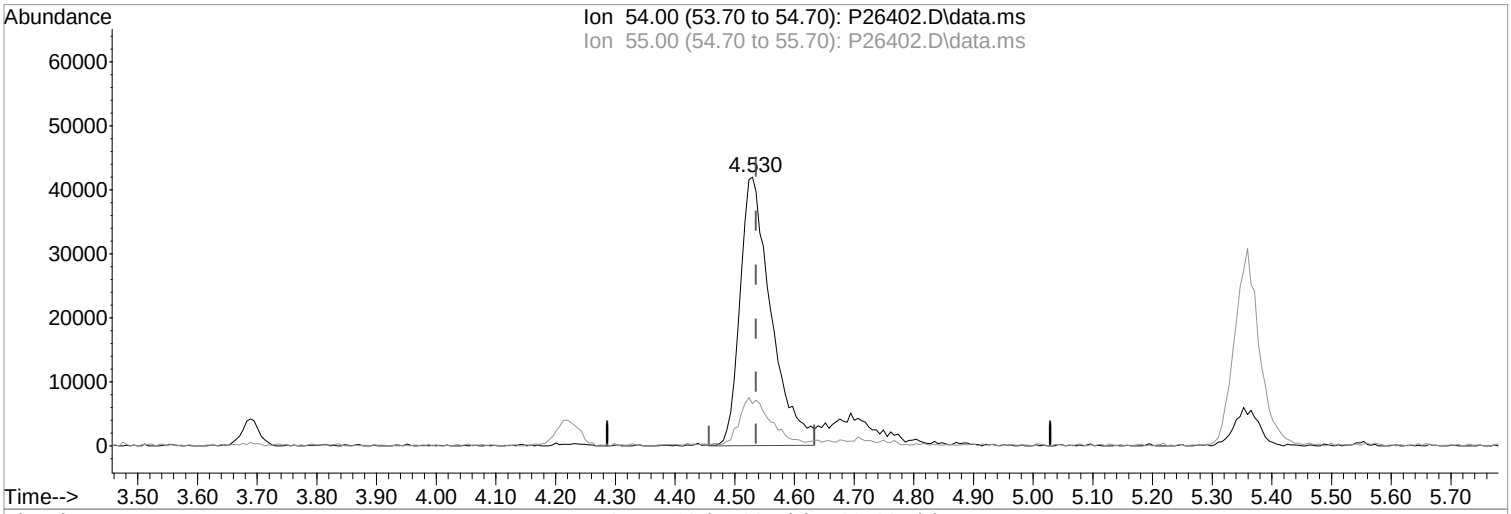
05/06/19

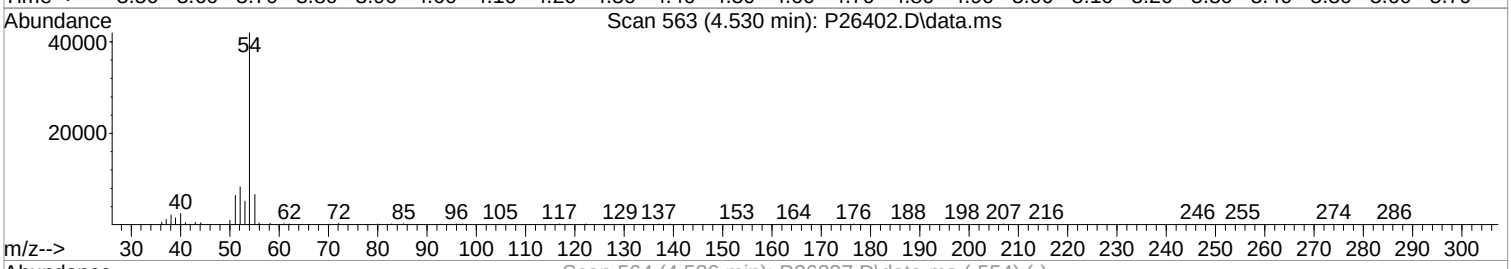
1st 05/06/19
2nd 05/08/19

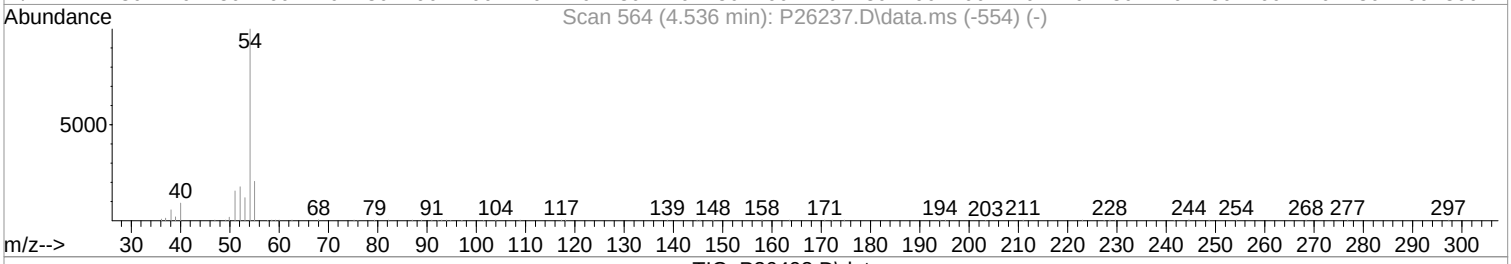
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050619\
Data File : P26402.D
Acq On : 6 May 2019 11:32 am
Operator : K.Ruest
Sample : CCV Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 06 11:48:46 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu May 02 11:39:03 2019
Response via : Initial Calibration







TIC: P26402.D\data.ms

(36) Propionitrile

4.530min (-0.006) 193.46 ppb

response 151887

Ion	Exp%	Act%
54.00	100	100
55.00	21.30	15.80
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

05/06/19

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\msvoa12\Data\050619\
Data File : P26402.D
Acq On : 6 May 2019 11:32 am
Operator : K.Ruest
Sample : CCV Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 06 11:50:40 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu May 02 11:39:03 2019
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	50.0000	50.0000	0.0	112	0.00
2	P	Dichlorodifluoromethane	50.0000	59.5838	-19.2	125	0.00
3	P	Chloromethane	50.0000	47.6211	4.8	108	0.00
4	P	Vinyl Chloride	50.0000	46.8874	6.2	103	0.00
5	P	Bromomethane	50.0000	41.3145	17.4	98	0.00
6	P	Chloroethane	50.0000	45.6974	8.6	106	0.00
7		Freon 21	50.0000	44.3323	11.3	100	0.00
8	P	Trichlorofluoromethane	50.0000	47.8509	4.3	106	0.00
9		Diethyl Ether	50.0000	44.2495	11.5	105	0.00
10		Freon 123a	50.0000	44.1274	11.7	98	0.00
11		Freon 123	50.0000	43.6513	12.7	97	0.00
12		Acrolein	250.0000	207.7023	16.9	91	0.00
13	P	1,1-Diclethene	50.0000	42.8039	14.4	101	0.00
14	P	Freon 113	50.0000	47.2897	5.4	106	0.00
15	P	Acetone	50.0000	35.1389	29.7#	78	0.00
16		2-Propanol	1000.0000	854.7120	14.5	98	-0.01
17		Iodomethane	50.0000	51.5726	-3.1	107	0.00
18	P	Carbon Disulfide	50.0000	45.8863	8.2	99	0.00
19		Acetonitrile	250.0000	101.3817	59.4#	49	0.00
20		Allyl Chloride	50.0000	52.8424	-5.7	120	0.00
21	P	Methyl Acetate	50.0000	43.8771	12.2	99	0.00
22	P	Methylene Chloride	50.0000	47.5075	5.0	107	0.00
23		TBA	1000.0000	706.7594	29.3#	80	-0.01
24		Acrylonitrile	250.0000	228.5467	8.6	97	0.00
25	P	Methyl-t-Butyl Ether	50.0000	46.7199	6.6	104	-0.01
26	P	trans-1,2-Dichloroethene	50.0000	45.1371	9.7	105	-0.01
27		Halothane	-1.0000	0.0000	0.0	97	-0.04
28	P	1,1-Diclethane	50.0000	45.7497	8.5	100	0.00
29		Vinyl Acetate	50.0000	51.7062	-3.4	124	0.00
30		DIPE	50.0000	46.1336	7.7	101	0.00
31		2-Chloro-1,3-Butadiene	50.0000	43.9137	12.2	97	0.00
32		ETBE	50.0000	47.9061	4.2	103	0.00
33		2,2-Dichloropropane	50.0000	44.4545	11.1	97	0.00
34	P	cis-1,2-Dichloroethene	50.0000	44.8091	10.4	105	0.00
35	P	2-Butanone	50.0000	41.3341	17.3	86	-0.01
36		Propionitrile	250.0000	229.3761	8.2	103	0.00
37		Bromochloromethane	50.0000	48.5105	3.0	110	0.00
38		Methacrylonitrile	50.0000	47.1025	5.8	100	-0.01
39		Tetrahydrofuran	50.0000	40.3533	19.3	87	0.00
40	P	Chloroform	50.0000	45.0089	10.0	102	0.00
41	P	1,1,1-Trichloroethane	50.0000	43.8951	12.2	98	0.00
42		TAME	50.0000	47.4680	5.1	104	0.00
43	I	1,4-Difluorobenzene	50.0000	50.0000	0.0	114	0.00
44	P	Cyclohexane	50.0000	44.7620	10.5	95	0.00
45	s	surr4,Dibrflmethane	50.0000	51.4257	-2.9	117	-0.01
46	P	Carbontetrachloride	50.0000	44.3327	11.3	97	-0.01
47		1,1-Dichloropropene	50.0000	44.0138	12.0	98	0.00
48	s	surr1,1,2-dichloroethane-d4	50.0000	51.5576	-3.1	112	0.00
49	P	Benzene	50.0000	44.1185	11.8	101	0.00
50	P	1,2-Dichloroethane	50.0000	45.9575	8.1	105	0.00
51		Iso-Butyl Alcohol	1000.0000	753.3967	24.7#	88	-0.01

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\msvoa12\Data\050619\
Data File : P26402.D
Acq On : 6 May 2019 11:32 am
Operator : K.Ruest
Sample : CCV Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 06 11:50:40 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu May 02 11:39:03 2019
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	50.0000	41.4654	17.1	96	0.00
53		1-Butanol	2500.0000	2116.6730	15.3	96	-0.01
54	P	Trichloroethene	50.0000	43.6373	12.7	101	0.00
55	P	Methylcyclohexane	50.0000	43.3586	13.3	96	0.00
56	P	1,2-Diclpropane	50.0000	44.3931	11.2	100	0.00
57		Dibromomethane	50.0000	48.2637	3.5	109	0.00
58		1,4-Dioxane	1000.0000	823.5753	17.6	103	-0.02
59		Methyl Methacrylate	50.0000	44.1567	11.7	100	0.00
60	P	Bromodichloromethane	50.0000	45.0208	10.0	103	0.00
61		2-Nitropropane	100.0000	94.4327	5.6	97	0.00
62		2-Chloroethylvinyl Ether	50.0000	42.2552	15.5	91	0.00
63	P	cis-1,3-Dichloropropene	50.0000	43.9976	12.0	101	0.00
64	P	4-Methyl-2-pentanone	50.0000	42.0419	15.9	93	0.00
65	s	SURR3,Toluene-d8	50.0000	51.3293	-2.7	115	0.00
66	P	Toluene	50.0000	44.8602	10.3	100	0.00
67	P	trans-1,3-Dichloropropene	50.0000	47.5699	4.9	104	0.00
68		Ethyl Methacrylate	50.0000	44.6203	10.8	100	0.00
69	P	1,1,2-Trichloroethane	50.0000	45.1319	9.7	103	0.00
70	s	SURR2,BFB	50.0000	52.8413	-5.7	113	0.00
71	I	d5-Chlorobenzene	50.0000	50.0000	0.0	112	0.00
72	P	Tetrachloroethene	50.0000	43.1859	13.6	100	0.00
73	P	2-Hexanone	50.0000	39.8780	20.2#	88	0.00
74		1,3-Dichloropropane	50.0000	46.4603	7.1	104	0.00
75	P	Dibromochloromethane	50.0000	43.5502	12.9	101	0.00
76		N-Butyl Acetate	50.0000	40.2011	19.6	89	0.00
77	P	1,2-Dibromoethane	50.0000	46.6727	6.7	106	0.00
78	P	Chlorobenzene	50.0000	44.7581	10.5	101	0.00
79		3-CBTF	50.0000	46.8125	6.4	105	0.00
80		4-CBTF	50.0000	45.8806	8.2	106	0.00
81		1,1,1,2-Tetrachloroethane	50.0000	41.8709	16.3	99	0.00
82	P	Ethylbenzene	50.0000	44.0039	12.0	101	0.00
83	P	(m+p)Xylene	100.0000	90.9932	9.0	100	0.00
84	P	o-Xylene	50.0000	44.8561	10.3	98	0.00
85	P	Styrene	50.0000	48.2725	3.5	101	0.00
86	I	1,4-Dichlorobenzene-d4	50.0000	50.0000	0.0	115	0.00
87	P	Bromoform	50.0000	38.6195	22.8#	92	0.00
88		2-CBTF	50.0000	41.3637	17.3	102	0.00
89	P	Isopropylbenzene	50.0000	39.9029	20.2#	99	0.00
90		Cyclohexanone	1000.0000	524.6721	47.5#	67	0.00
91		trans-1,4-Dichloro-2-Butene	50.0000	35.4300	29.1#	88	0.00
92	P	1,1,2,2-Tetrachloroethane	50.0000	38.9419	22.1#	100	0.00
93		Bromobenzene	50.0000	40.5910	18.8	101	0.00
94		1,2,3-Trichloropropane	50.0000	39.6434	20.7#	101	0.00
95		n-Propylbenzene	50.0000	41.6394	16.7	102	0.00
96		2-Chlorotoluene	50.0000	41.4192	17.2	102	0.00
97		3-Chlorotoluene	50.0000	44.5366	10.9	107	0.00
98		4-Chlorotoluene	50.0000	42.8505	14.3	102	0.00
99		1,3,5-Trimethylbenzene	50.0000	43.7334	12.5	105	0.00
100		tert-Butylbenzene	50.0000	43.5894	12.8	102	0.00
101		1,2,4-Trimethylbenzene	50.0000	44.9013	10.2	107	0.00

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\msvoa12\Data\050619\
Data File : P26402.D
Acq On : 6 May 2019 11:32 am
Operator : K.Ruest
Sample : CCV Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 06 11:50:40 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu May 02 11:39:03 2019
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-DCBTF	50.0000	45.6131	8.8	105	0.00
103		sec-Butylbenzene	50.0000	41.8020	16.4	101	0.00
104		p-Isopropyltoluene	50.0000	44.1578	11.7	103	0.00
105	P	1,3-Dclbenz	50.0000	45.8492	8.3	109	0.00
106	P	1,4-Dclbenz	50.0000	45.8443	8.3	106	0.00
107		2,4-DCBTF	50.0000	48.1778	3.6	110	0.00
108		2,5-DCBTF	50.0000	44.0091	12.0	101	0.00
109		n-Butylbenzene	50.0000	41.9826	16.0	102	0.00
110	P	1,2-Dclbenz	50.0000	45.6252	8.7	107	0.00
111	P	1,2-Dibromo-3-chloropropane	50.0000	40.8479	18.3	98	0.00
112		Trielution Dichlorotoluene	150.0000	142.2039	5.2	110	0.00
113		1,3,5 Trichlorobenzene	50.0000	46.1301	7.7	107	0.00
114		Coelution Dichlorotoluene	100.0000	94.4788	5.5	110	0.00
115	P	1,2,4-Tcbenzene	50.0000	46.1969	7.6	106	0.00
116		Hexachlorobt	50.0000	36.1621	27.7#	86	0.00
117		Naphthalen	50.0000	45.8655	8.3	107	0.00
118		1,2,3-Tclbenzene	50.0000	45.4780	9.0	105	0.00
119		2,4,5-Trichlorotolene	50.0000	40.8740	18.3	91	0.00
120		2,3,6-Trichlorotoluene	50.0000	40.8203	18.4	92	0.00

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\050619\
Data File : P26402.D
Acq On : 6 May 2019 11:32 am
Operator : K.Ruest
Sample : CCV Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 06 11:50:40 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu May 02 11:39:03 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.402	168	397908	50.00	ppb		0.00
43) 1,4-Difluorobenzene	6.487	114	570206	50.00	ppb		0.00
71) d5-Chlorobenzene	9.791	117	524251	50.00	ppb		0.00
86) 1,4-Dichlorobenzene-d4	11.839	152	345414	50.00	ppb		0.00
System Monitoring Compounds							
45) surr4,Dibrflmethane	5.255	113	168589	51.43	ppb		-0.01
Spiked Amount 50.000	Range 89 - 119		Recovery = 102.86%				
48) surr1,1,2-dichloroetha...	5.792	65	184397	51.56	ppb		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 103.12%				
65) SURR3,Toluene-d8	8.297	98	698583	51.33	ppb		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 102.66%				
70) SURR2,BFB	10.864	95	281042	52.84	ppb		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 105.68%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.207	85	221233	59.58	ppb		98
3) Chloromethane	1.335	50	161271	47.62	ppb		96
4) Vinyl Chloride	1.408	62	193913	46.89	ppb		98
5) Bromomethane	1.646	94	161581	41.31	ppb		100
6) Chloroethane	1.713	64	150475	45.70	ppb		98
7) Freon 21	1.860	67	263477	44.33	ppb		99
8) Trichlorofluoromethane	1.908	101	248869	47.85	ppb		100
9) Diethyl Ether	2.140	59	133374	44.25	ppb		98
10) Freon 123a	2.146	67	159310	44.13	ppb		95
11) Freon 123	2.195	83	188447	43.65	ppb		98
12) Acrolein	2.244	56	148720	207.70	ppb		95
13) 1,1-Diclethene	2.329	96	140675	42.80	ppb		98
14) Freon 113	2.335	101	138528	47.29	ppb		90
15) Acetone	2.378	43	57887	35.14	ppb		97
16) 2-Propanol	2.506	45	361587m	854.71	ppb		
17) Iodomethane	2.463	142	198639	51.57	ppb		98
18) Carbon Disulfide	2.524	76	365719	45.89	ppb		100
19) Acetonitrile	2.622	40	28685	101.38	ppb		97
20) Allyl Chloride	2.658	76	79370	52.84	ppb		97
21) Methyl Acetate	2.689	43	145306	43.88	ppb		97
22) Methylene Chloride	2.780	84	162885	47.51	ppb		94
23) TBA	2.908	59	534529	706.76	ppb		99
24) Acrylonitrile	3.030	53	386366	228.55	ppb		99
25) Methyl-t-Butyl Ether	3.079	73	561442	46.72	ppb		98
26) trans-1,2-Dichloroethene	3.067	96	162552	45.14	ppb		95
28) 1,1-Diclethane	3.567	63	271346	45.75	ppb		99
29) Vinyl Acetate	3.658	86	45534	51.71	ppb	#	88
30) DIPE	3.695	45	428489	46.13	ppb		96
31) 2-Chloro-1,3-Butadiene	3.688	53	195182	43.91	ppb		98
32) ETBE	4.219	59	480968	47.91	ppb		99
33) 2,2-Dichloropropane	4.396	77	241790	44.45	ppb		95
34) cis-1,2-Dichloroethene	4.402	96	188682	44.81	ppb		97
35) 2-Butanone	4.444	43	90476	41.33	ppb		99
36) Propionitrile	4.530	54	180083m	229.38	ppb		
37) Bromochloromethane	4.798	130	139307	48.51	ppb		93
38) Methacrylonitrile	4.798	67	93494	47.10	ppb		92
39) Tetrahydrofuran	4.889	42	59882	40.35	ppb		97
40) Chloroform	4.975	83	283354	45.01	ppb		96
41) 1,1,1-Trichloroethane	5.274	97	257539	43.90	ppb		96

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\050619\
Data File : P26402.D
Acq On : 6 May 2019 11:32 am
Operator : K.Ruest
Sample : CCV Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 06 11:50:40 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu May 02 11:39:03 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) TAME	6.109	73	511947	47.47	ppb	98
44) Cyclohexane	5.359	41	128155	44.76	ppb	90
46) Carbontetrachloride	5.542	117	220268	44.33	ppb	96
47) 1,1-Dichloropropene	5.554	75	202026	44.01	ppb	96
49) Benzene	5.871	78	651921	44.12	ppb	99
50) 1,2-Dichloroethane	5.908	62	240704	45.96	ppb	97
51) Iso-Butyl Alcohol	5.883	43	242684	753.40	ppb	99
52) n-Heptane	6.359	43	162938	41.47	ppb	97
53) 1-Butanol	6.840	56	460805	2116.67	ppb	98
54) Trichloroethene	6.816	130	200376	43.64	ppb	95
55) Methylcyclohexane	7.054	55	185949	43.36	ppb	92
56) 1,2-Diclpropane	7.090	63	157573	44.39	ppb	94
57) Dibromomethane	7.230	93	119785	48.26	ppb	95
58) 1,4-Dioxane	7.298	88	79507	823.58	ppb	96
59) Methyl Methacrylate	7.322	69	155261	44.16	ppb	86
60) Bromodichloromethane	7.462	83	221379	45.02	ppb	98
61) 2-Nitropropane	7.743	41	120220	94.43	ppb	100
62) 2-Chloroethylvinyl Ether	7.864	63	106267	42.26	ppb	96
63) cis-1,3-Dichloropropene	8.005	75	279193	44.00	ppb	99
64) 4-Methyl-2-pentanone	8.206	43	185746	42.04	ppb	99
66) Toluene	8.370	91	749674	44.86	ppb	98
67) trans-1,3-Dichloropropene	8.639	75	267458	47.57	ppb	99
68) Ethyl Methacrylate	8.785	69	271489	44.62	ppb	94
69) 1,1,2-Trichloroethane	8.828	97	180784	45.13	ppb	98
72) Tetrachloroethene	8.968	164	162779	43.19	ppb	92
73) 2-Hexanone	9.120	43	140515	39.88	ppb	92
74) 1,3-Dichloropropane	8.998	76	294433	46.46	ppb	97
75) Dibromochloromethane	9.224	129	200075	43.55	ppb	96
76) N-Butyl Acetate	9.273	43	269938	40.20	ppb	98
77) 1,2-Dibromoethane	9.322	107	197516	46.67	ppb	99
78) Chlorobenzene	9.815	112	515857	44.76	ppb	98
79) 3-CBTF	9.834	180	309818	46.81	ppb	98
80) 4-CBTF	9.888	180	274765	45.88	ppb	93
81) 1,1,1,2-Tetrachloroethane	9.901	131	187227	41.87	ppb	99
82) Ethylbenzene	9.937	106	274180	44.00	ppb	99
83) (m+p)Xylene	10.047	106	701987	90.99	ppb	96
84) o-Xylene	10.407	106	350373	44.86	ppb	97
85) Styrene	10.419	104	589307	48.27	ppb	97
87) Bromoform	10.571	173	154704	38.62	ppb	97
88) 2-CBTF	10.651	180	314360	41.36	ppb	97
89) Isopropylbenzene	10.742	105	866881	39.90	ppb	99
90) Cyclohexanone	10.809	55	568720	524.67	ppb	99
91) trans-1,4-Dichloro-2-B...	11.047	53	58586	35.43	ppb	96
92) 1,1,2,2-Tetrachloroethane	10.998	83	255646	38.94	ppb	99
93) Bromobenzene	10.986	156	265886	40.59	ppb	99
94) 1,2,3-Trichloropropane	11.028	110	97689	39.64	ppb	99
95) n-Propylbenzene	11.096	91	980882	41.64	ppb	99
96) 2-Chlorotoluene	11.163	91	606884	41.42	ppb	99
97) 3-Chlorotoluene	11.211	91	616646	44.54	ppb	100
98) 4-Chlorotoluene	11.254	91	717785	42.85	ppb	99
99) 1,3,5-Trimethylbenzene	11.248	105	798103	43.73	ppb	99
100) tert-Butylbenzene	11.522	119	726742	43.59	ppb	99
101) 1,2,4-Trimethylbenzene	11.559	105	814917	44.90	ppb	99
102) 3,4-DCBTF	11.626	214	295645	45.61	ppb	96
103) sec-Butylbenzene	11.705	105	975379	41.80	ppb	98
104) p-Isopropyltoluene	11.827	119	896196	44.16	ppb	99

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\050619\
Data File : P26402.D
Acq On : 6 May 2019 11:32 am
Operator : K.Ruest
Sample : CCV Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 06 11:50:40 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu May 02 11:39:03 2019
Response via : Initial Calibration

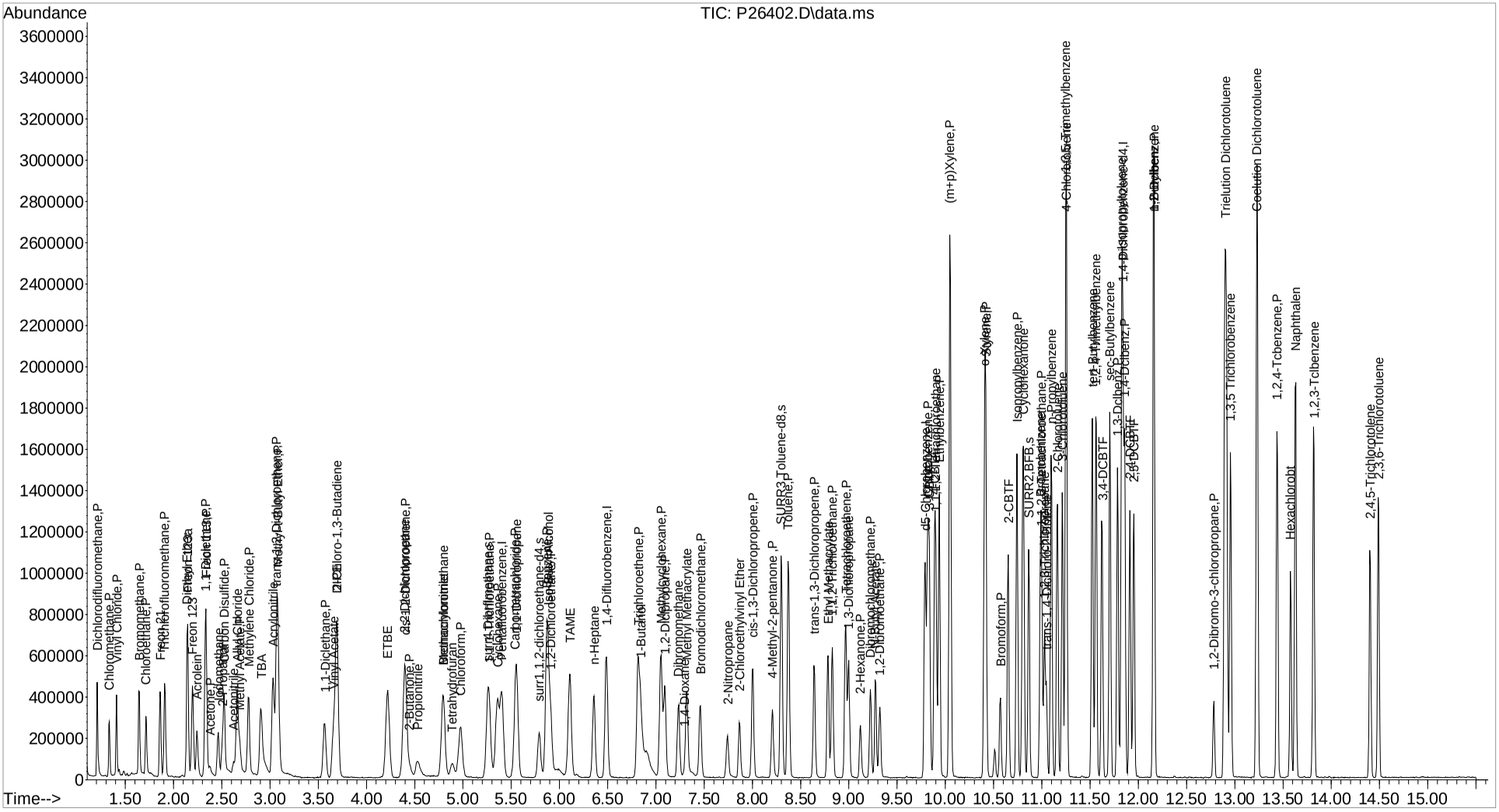
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
105) 1,3-Dclbenz	11.784	146	536356	45.85	ppb	98
106) 1,4-Dclbenz	11.858	146	548604	45.84	ppb	97
107) 2,4-DCBTF	11.912	214	281248	48.18	ppb	99
108) 2,5-DCBTF	11.955	214	285148	44.01	ppb	98
109) n-Butylbenzene	12.162	91	708880	41.98	ppb	97
110) 1,2-Dclbenz	12.162	146	531672	45.63	ppb	97
111) 1,2-Dibromo-3-chloropr...	12.784	157	95095	40.85	ppb	98
112) Trielution Dichlorotol...	12.900	125	1391561	142.20	ppb	97
113) 1,3,5 Trichlorobenzene	12.955	180	426992	46.13	ppb	99
114) Coelution Dichlorotoluene	13.229	125	1031508	94.48	ppb	100
115) 1,2,4-Tcbenzene	13.437	180	448725	46.20	ppb	99
116) Hexachlorobt	13.577	225	151746	36.16	ppb	97
117) Naphthalen	13.632	128	1290333	45.87	ppb	99
118) 1,2,3-Tclbenzene	13.821	180	468192	45.48	ppb	97
119) 2,4,5-Trichlorotolene	14.400	159	253784	40.87	ppb	97
120) 2,3,6-Trichlorotoluene	14.491	159	298561	40.82	ppb	96

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\050619\
Data File : P26402.D
Acq On : 6 May 2019 11:32 am
Operator : K.Ruest
Sample : CCV Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 06 11:50:40 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu May 02 11:39:03 2019
Response via : Initial Calibration



Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\MSVOA14\Data\050419\
Data File : F6458.D
Acq On : 4 May 2019 4:31 pm
Operator : F.NAEGLER
Sample : CCV Inst : MSVOA14
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 04 16:48:46 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
Quant Title : MS#14 - 8260 SOILS 10ml PURGE
QLast Update : Mon Apr 22 10:00:17 2019
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	116	0.00	
2	P	Dichlorodifluoromethane	50.000	41.300	17.4	99	0.00	
3	P	Chloromethane	50.000	49.212	1.6	121	0.00	
4	P	Vinyl Chloride	50.000	44.623	10.8	108	0.00	
5	P	Bromomethane	50.000	39.075	21.8#	91	0.00	(1)
6	P	Chloroethane	50.000	41.534	16.9	100	0.00	
7		Freon 21	50.000	43.149	13.7	102	0.00	
8	P	Trichlorofluoromethane	50.000	42.384	15.2	104	0.00	
9		Diethyl Ether	50.000	41.570	16.9	97	0.00	
10		Freon 123a	50.000	43.442	13.1	103	0.00	
11		Freon 123	50.000	43.045	13.9	103	0.00	
12		Acrolein	250.000	159.331	36.3#	74	0.00	NT
13		1,1-Diclethene	50.000	45.993	8.0	110	0.00	
14	P	Freon 113	50.000	45.986	8.0	111	0.00	
15	P	Acetone	50.000	48.230	3.5	112	0.00	
16		2-Propanol	1000.000	939.618	6.0	107	0.00	
17		Iodomethane	50.000	47.042	5.9	106	0.00	
18	P	Carbon Disulfide	50.000	48.628	2.7	117	0.00	
19		Acetonitrile	250.000	301.807	-20.7#	119	0.00	NT
20		Allyl Chloride	50.000	50.567	-1.1	123	0.00	
21	P	Methyl Acetate	50.000	49.550	0.9	117	0.00	
22	P	Methylene Chloride	50.000	51.855	-3.7	117	0.00	
23		TBA	1000.000	907.968	9.2	105	0.00	
24		Acrylonitrile	250.000	264.192	-5.7	118	0.00	
25	P	Methyl-t-Butyl Ether	50.000	49.364	1.3	114	0.00	
26	P	trans-1,2-Dichloroethene	50.000	48.605	2.8	116	0.00	
27	P	1,1-Diclethane	50.000	50.777	-1.6	120	0.00	
28		Vinyl Acetate	50.000	49.109	1.8	110	0.00	
29		DIPE	50.000	54.151	-8.3	126	0.00	
30		2-Chloro-1,3-Butadiene	50.000	49.908	0.2	119	0.00	
31		ETBE	50.000	49.462	1.1	115	0.00	
32		2,2-Dichloropropane	50.000	48.189	3.6	117	0.00	
33	P	cis-1,2-Dichloroethene	50.000	49.269	1.5	116	0.00	
34	P	2-Butanone	50.000	47.371	5.3	112	0.00	
35		Propionitrile	250.000	258.996	-3.6	115	0.00	
36		Bromochloromethane	50.000	49.865	0.3	115	0.00	
37		Methacrylonitrile	50.000	49.760	0.5	109	0.00	
38		Tetrahydrofuran	50.000	50.136	-0.3	118	0.00	
39	P	Chloroform	50.000	49.013	2.0	116	0.00	
40	P	1,1,1-Trichloroethane	50.000	47.359	5.3	114	0.00	
41		TAME	50.000	48.751	2.5	113	0.00	
42	i	1,4-Difluorobenzene	50.000	50.000	0.0	116	0.00	
43	P	Cyclohexane	50.000	52.194	-4.4	125	0.00	
44	s	SURR4,Dibrflmethane	50.000	47.088	5.8	106	0.00	
45	P	Carbontetrachloride	50.000	47.697	4.6	116	0.00	
46		1,1-Dichloropropene	50.000	48.790	2.4	118	0.00	
47	s	SURR1,1,2-dichloroethane-d4	50.000	46.312	7.4	106	0.00	
48	P	Benzene	50.000	49.632	0.7	118	0.00	
49	P	1,2-Dichloroethane	50.000	49.076	1.8	114	0.00	
50		Iso-Butyl Alcohol	1000.000	1058.134	-5.8	115	0.00	
51		n-Heptane	50.000	53.702	-7.4	117	0.00	

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\MSVOA14\Data\050419\
Data File : F6458.D
Acq On : 4 May 2019 4:31 pm
Operator : F.NAEGLER
Sample : CCV Inst : MSVOA14
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 04 16:48:46 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
Quant Title : MS#14 - 8260 SOILS 10ml PURGE
QLast Update : Mon Apr 22 10:00:17 2019
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		1-Butanol	2500.000	2648.921	-6.0	111	0.00	
53	P	Trichloroethene	50.000	48.182	3.6	115	0.00	
54	P	Methylcyclohexane	50.000	54.640	-9.3	126	0.00	
55	P	1,2-Diclpropane	50.000	52.989	-6.0	121	0.00	
56		Dibromomethane	50.000	49.646	0.7	115	0.00	
57		1,4-Dioxane	1000.000	956.486	4.4	105	0.00	
58		Methyl Methacrylate	50.000	50.880	-1.8	112	0.00	
59	P	Bromodichloromethane	50.000	50.188	-0.4	115	0.00	
60		2-Nitropropane	100.000	79.208	20.8#	96	0.00	NT
61		2-Chloroethylvinyl Ether	50.000	31.066	37.9#	67	0.00	NT
62	P	cis-1,3-Dichloropropene	50.000	52.016	-4.0	118	0.00	
63	P	4-Methyl-2-pentanone	50.000	48.877	2.2	110	0.00	
64	s	SURR3,Toluene-d8	50.000	46.589	6.8	106	0.00	
65	P	Toluene	50.000	49.602	0.8	118	0.00	
66	P	trans-1,3-Dichloropropene	50.000	51.405	-2.8	116	0.00	
67		Ethyl Methacrylate	50.000	52.641	-5.3	117	0.00	
68	P	1,1,2-Trichloroethane	50.000	49.483	1.0	115	0.00	
69	s	SURR2,BFB	50.000	45.825	8.3	108	0.00	
70	i	d5-Chlorobenzene	50.000	50.000	0.0	117	0.00	
71	P	Tetrachloroethene	50.000	47.832	4.3	112	0.00	
72	P	2-Hexanone	50.000	49.738	0.5	111	0.00	
73		1,3-Dichloropropane	50.000	51.478	-3.0	119	0.00	
74	P	Dibromochloromethane	50.000	50.482	-1.0	115	0.00	
75		N-Butyl Acetate	50.000	51.408	-2.8	114	0.00	
76	P	1,2-Dibromoethane	50.000	48.868	2.3	112	0.00	
77	P	Chlorobenzene	50.000	50.043	-0.1	117	0.00	
78		1,1,1,2-Tetrachloroethane	50.000	51.052	-2.1	118	0.00	
79	P	Ethylbenzene	50.000	50.510	-1.0	117	0.00	
80	P	(m+p)Xylene	100.000	101.913	-1.9	116	0.00	
81	P	o-Xylene	50.000	51.122	-2.2	117	0.00	
82	P	Styrene	50.000	52.688	-5.4	117	0.00	
83	P	Bromoform	50.000	49.423	1.2	113	0.00	
84	P	Isopropylbenzene	50.000	50.219	-0.4	114	0.00	
85		Cyclohexanone	1000.000	1073.002	-7.3	119	0.00	
86		trans-1,4-Dichloro-2-Butene	50.000	50.219	-0.4	113	0.00	
87	i	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	118	0.00	
88	P	1,1,2,2-Tetrachloroethane	50.000	48.423	3.2	111	0.00	
89		Bromobenzene	50.000	48.970	2.1	116	0.00	
90		1,2,3-Trichloropropane	50.000	49.620	0.8	112	0.00	
91		n-Propylbenzene	50.000	50.330	-0.7	116	0.00	
92		2-Chlorotoluene	50.000	50.513	-1.0	118	0.00	
93		4-Chlorotoluene	50.000	50.340	-0.7	117	0.00	
94		1,3,5-Trimethylbenzene	50.000	51.311	-2.6	117	0.00	
95		tert-Butylbenzene	50.000	49.517	1.0	114	0.00	
96		1,2,4-Trimethylbenzene	50.000	51.271	-2.5	116	0.00	
97		sec-Butylbenzene	50.000	49.828	0.3	114	0.00	
98		p-Isopropyltoluene	50.000	50.606	-1.2	115	0.00	
99	P	1,3-Dclbenz	50.000	49.354	1.3	117	0.00	
100	P	1,4-Dclbenz	50.000	49.183	1.6	117	0.00	
101		n-Butylbenzene	50.000	50.702	-1.4	113	0.00	

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\MSVOA14\Data\050419\
Data File : F6458.D
Acq On : 4 May 2019 4:31 pm
Operator : F.NAEGLER
Sample : CCV Inst : MSVOA14
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 04 16:48:46 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
Quant Title : MS#14 - 8260 SOILS 10ml PURGE
QLast Update : Mon Apr 22 10:00:17 2019
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 P	1,2-Dclbenz	50.000	50.453	-0.9	116	0.00
103 P	1,2-Dibromo-3-chloropropane	50.000	50.150	-0.3	107	0.00
104	1,3,5-Trichlorobenzene	50.000	53.308	-6.6	118	0.00
105 P	1,2,4-Tcbenzene	50.000	52.596	-5.2	117	0.00
106	Hexachlorobt	50.000	51.398	-2.8	126	0.00
107	Naphthalen	50.000	50.872	-1.7	106	0.00
108	1,2,3-Tclbenzene	50.000	52.631	-5.3	113	0.00

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\050419\
Data File : F6458.D
Acq On : 4 May 2019 4:31 pm
Operator : F.NAEGLER
Sample : CCV Inst : MSVOA14
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 04 16:48:46 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
Quant Title : MS#14 - 8260 SOILS 10ml PURGE
QLast Update : Mon Apr 22 10:00:17 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	4.687	168	411597	50.00	ug/L		0.00
42) 1,4-Difluorobenzene	5.937	114	646142	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.577	117	565661	50.00	ug/L		0.00
87) 1,4-Dichlorobenzene-d4	11.735	152	300350	50.00	ug/L		0.00
System Monitoring Compounds							
44) SURR4,Dibrflmethane	4.535	113	180730	47.09	ug/L		0.00
Spiked Amount 50.000	Range 63 - 138		Recovery = 94.18%				
47) SURR1,1,2-dichloroetha...	5.120	65	214004	46.31	ug/L		0.00
Spiked Amount 50.000	Range 67 - 128		Recovery = 92.62%				
64) SURR3,Toluene-d8	7.943	98	730234	46.59	ug/L		0.00
Spiked Amount 50.000	Range 66 - 138		Recovery = 93.18%				
69) SURR2,BFB	10.729	95	287343	45.83	ug/L		0.00
Spiked Amount 50.000	Range 31 - 154		Recovery = 91.66%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.048	85	216805	41.30	ug/L		98
3) Chloromethane	1.151	50	258738	49.21	ug/L		98
4) Vinyl Chloride	1.218	62	220805	44.62	ug/L		99
5) Bromomethane	1.414	94	105240	39.08	ug/L		96
6) Chloroethane	1.481	64	119735	41.53	ug/L		98
7) Freon 21	1.609	67	318541	43.15	ug/L		100
8) Trichlorofluoromethane	1.651	101	243138	42.38	ug/L		96
9) Diethyl Ether	1.846	59	150197	41.57	ug/L		97
10) Freon 123a	1.846	67	201571	43.44	ug/L		99
11) Freon 123	1.895	83	225608	43.05	ug/L		97
12) Acrolein	1.932	56	132429	159.33	ug/L		99
13) 1,1-Diclethene	2.011	96	162320	45.99	ug/L		100
14) Freon 113	2.017	101	163621	45.99	ug/L		94
15) Acetone	2.042	43	77248	48.23	ug/L		90
16) 2-Propanol	2.157	45	305518	939.62	ug/L		95
17) Iodomethane	2.121	142	240318	47.04	ug/L		95
18) Carbon Disulfide	2.176	76	518304	48.63	ug/L		99
19) Acetonitrile	2.255	40	71252	301.81	ug/L		91
20) Allyl Chloride	2.291	76	98902	50.57	ug/L	#	80
21) Methyl Acetate	2.310	43	156205	49.55	ug/L		97
22) Methylene Chloride	2.389	84	210556	51.85	ug/L		96
23) TBA	2.505	59	519931	907.97	ug/L		99
24) Acrylonitrile	2.602	53	406304	264.19	ug/L		96
25) Methyl-t-Butyl Ether	2.657	73	595194	49.36	ug/L		98
26) trans-1,2-Dichloroethene	2.645	96	190740	48.60	ug/L		92
27) 1,1-Diclethane	3.066	63	370068	50.78	ug/L		97
28) Vinyl Acetate	3.145	86	37274	49.11	ug/L	#	91
29) DIPE	3.182	45	687645	54.15	ug/L		95
30) 2-Chloro-1,3-Butadiene	3.175	53	261873	49.91	ug/L		98
31) ETBE	3.639	59	583066	49.46	ug/L		98
32) 2,2-Dichloropropane	3.785	77	270385	48.19	ug/L		97
33) cis-1,2-Dichloroethene	3.785	96	219193	49.27	ug/L		100
34) 2-Butanone	3.828	43	103208	47.37	ug/L		99
35) Propionitrile	3.889	54	156749	259.00	ug/L		98
36) Bromochloromethane	4.120	130	136927	49.87	ug/L		96
37) Methacrylonitrile	4.120	67	88203	49.76	ug/L		96
38) Tetrahydrofuran	4.206	42	69203	50.14	ug/L		92
39) Chloroform	4.279	83	345442	49.01	ug/L		96
40) 1,1,1-Trichloroethane	4.547	97	271406	47.36	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\050419\
Data File : F6458.D
Acq On : 4 May 2019 4:31 pm
Operator : F.NAEGLER
Sample : CCV Inst : MSVOA14
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 04 16:48:46 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
Quant Title : MS#14 - 8260 SOILS 10ml PURGE
QLast Update : Mon Apr 22 10:00:17 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) TAME	5.510	73	538584	48.75	ug/L		97
43) Cyclohexane	4.645	41	202066	52.19	ug/L		83
45) Carbontetrachloride	4.840	121	66617	47.70	ug/L	#	79
46) 1,1-Dichloropropene	4.852	75	257571	48.79	ug/L		98
48) Benzene	5.218	78	805228	49.63	ug/L		95
49) 1,2-Dichloroethane	5.260	62	278506	49.08	ug/L		98
50) Iso-Butyl Alcohol	5.254	43	232597	1058.13	ug/L		96
51) n-Heptane	5.803	43	292646	53.70	ug/L		96
52) 1-Butanol	6.364	56	369421	2648.92	ug/L		96
53) Trichloroethene	6.297	130	219604	48.18	ug/L		96
54) Methylcyclohexane	6.565	55	301857	54.64	ug/L		92
55) 1,2-Diclpropane	6.608	63	229716	52.99	ug/L		99
56) Dibromomethane	6.760	93	130344	49.65	ug/L		99
57) 1,4-Dioxane	6.845	88	58658	956.49	ug/L		98
58) Methyl Methacrylate	6.888	69	151868	50.88	ug/L		98
59) Bromodichloromethane	7.022	83	256284	50.19	ug/L		97
60) 2-Nitropropane	7.333	41	75521	79.21	ug/L		85
61) 2-Chloroethylvinyl Ether	7.486	63	28591	31.07	ug/L		94
62) cis-1,3-Dichloropropene	7.626	75	347850	52.02	ug/L		96
63) 4-Methyl-2-pentanone	7.864	43	198662	48.88	ug/L		98
65) Toluene	8.022	91	873916	49.60	ug/L		99
66) trans-1,3-Dichloropropene	8.327	75	295604	51.40	ug/L		97
67) Ethyl Methacrylate	8.504	69	284261	52.64	ug/L		93
68) 1,1,2-Trichloroethane	8.528	97	188035	49.48	ug/L		93
71) Tetrachloroethene	8.668	164	162173	47.83	ug/L		93
72) 2-Hexanone	8.863	43	148433	49.74	ug/L		99
73) 1,3-Dichloropropane	8.711	76	342781	51.48	ug/L		97
74) Dibromochloromethane	8.961	129	181613	50.48	ug/L		99
75) N-Butyl Acetate	9.052	43	310689	51.41	ug/L		93
76) 1,2-Dibromoethane	9.058	107	186573	48.87	ug/L		93
77) Chlorobenzene	9.607	112	571870	50.04	ug/L		99
78) 1,1,1,2-Tetrachloroethane	9.705	131	191182	51.05	ug/L		96
79) Ethylbenzene	9.747	106	304786	50.51	ug/L		98
80) (m+p)Xylene	9.869	106	756596	101.91	ug/L		99
81) o-Xylene	10.247	106	372718	51.12	ug/L		98
82) Styrene	10.259	104	637878	52.69	ug/L		98
83) Bromoform	10.412	173	103829	49.42	ug/L		97
84) Isopropylbenzene	10.607	105	955042	50.22	ug/L		100
85) Cyclohexanone	10.656	55	776619	1073.00	ug/L		88
86) trans-1,4-Dichloro-2-B...	10.930	53	57102	50.22	ug/L		91
88) 1,1,2,2-Tetrachloroethane	10.881	83	227180	48.42	ug/L		100
89) Bromobenzene	10.845	156	245844	48.97	ug/L		99
90) 1,2,3-Trichloropropane	10.900	110	79096	49.62	ug/L		91
91) n-Propylbenzene	10.979	91	1154159	50.33	ug/L		99
92) 2-Chlorotoluene	11.034	91	698424	50.51	ug/L		97
93) 4-Chlorotoluene	11.131	91	798605	50.34	ug/L		96
94) 1,3,5-Trimethylbenzene	11.143	105	820224	51.31	ug/L		98
95) tert-Butylbenzene	11.418	119	699688	49.52	ug/L		97
96) 1,2,4-Trimethylbenzene	11.460	105	824911	51.27	ug/L		97
97) sec-Butylbenzene	11.607	105	1071517	49.83	ug/L		99
98) p-Isopropyltoluene	11.735	119	896693	50.61	ug/L		98
99) 1,3-Dclbenz	11.680	146	479809	49.35	ug/L		99
100) 1,4-Dclbenz	11.759	146	484390	49.18	ug/L		95
101) n-Butylbenzene	12.076	91	837550	50.70	ug/L		95
102) 1,2-Dclbenz	12.064	146	464300	50.45	ug/L		99
103) 1,2-Dibromo-3-chloropr...	12.698	157	42826	50.15	ug/L		92

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\050419\
Data File : F6458.D
Acq On : 4 May 2019 4:31 pm
Operator : F.NAEGLER
Sample : CCV Inst : MSVOA14
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 04 16:48:46 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
Quant Title : MS#14 - 8260 SOILS 10ml PURGE
QLast Update : Mon Apr 22 10:00:17 2019
Response via : Initial Calibration

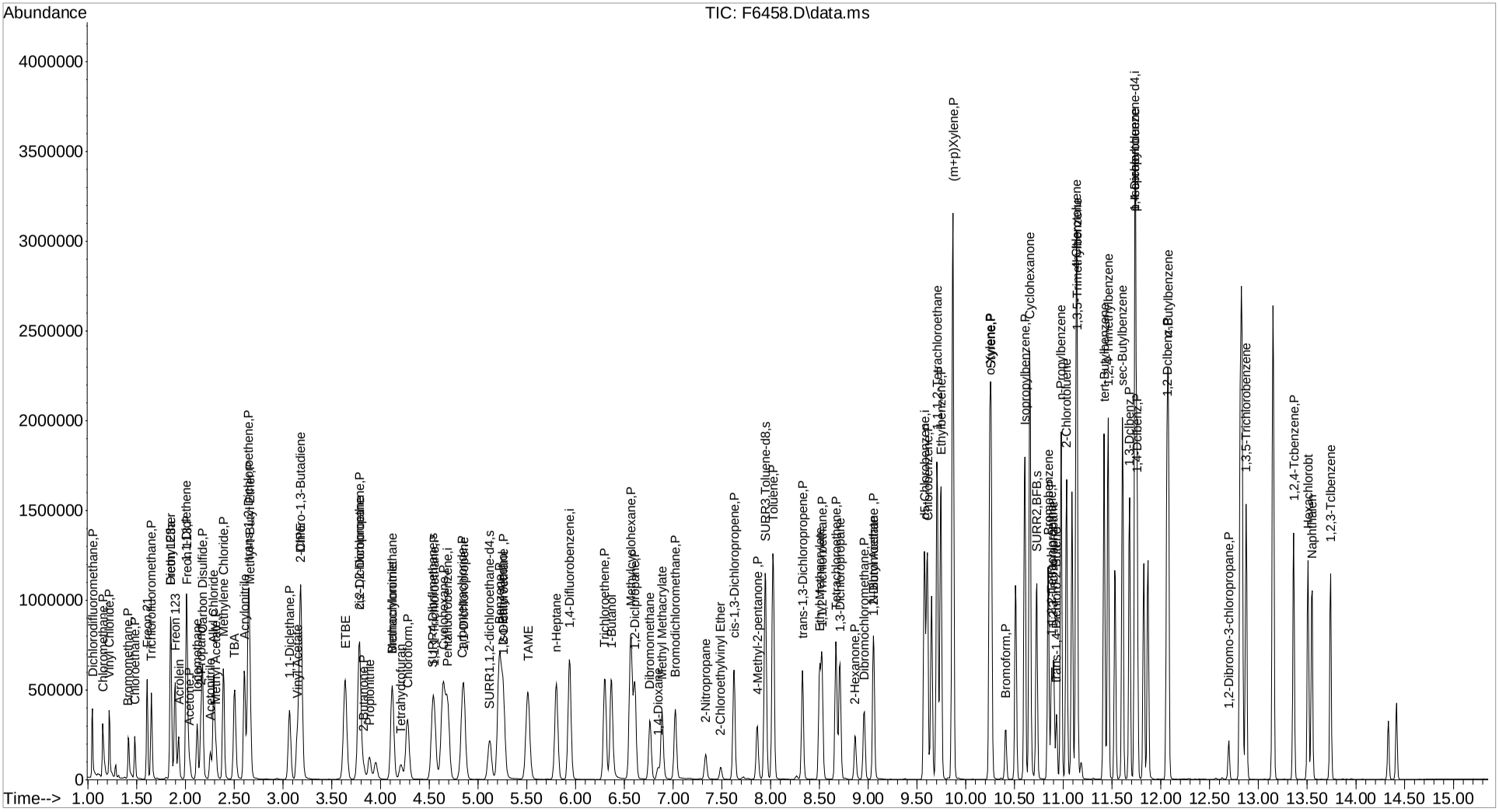
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3,5-Trichlorobenzene	12.875	180	346823	53.31	ug/L	99
105) 1,2,4-Tcbenzene	13.362	180	309747	52.60	ug/L	98
106) Hexachlorobt	13.509	225	172980	51.40	ug/L	97
107) Naphthalen	13.551	128	627428	50.87	ug/L	98
108) 1,2,3-Tclbenzene	13.740	180	257322	52.63	ug/L	98

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\050419\
Data File : F6458.D
Acq On : 4 May 2019 4:31 pm
Operator : F.NAEGLER
Sample : CCV Inst : MSVOA14
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 04 16:48:46 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
Quant Title : MS#14 - 8260 SOILS 10ml PURGE
QLast Update : Mon Apr 22 10:00:17 2019
Response via : Initial Calibration



1st FN 05/06/19
2nd [illegible] 05/08/19

1st FJ 05/08/19
2nd 05/10/19

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\MSVOA14\Data\050819\
Data File : F6509.D
Acq On : 8 May 2019 2:57 pm
Operator : F.NAEGLER
Sample : CCV Inst : MSVOA14
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 08 15:32:42 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 16:08:17 2019
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	103	0.00	
2	P	Dichlorodifluoromethane	50.000	58.336	-16.7	108	0.00	
3	P	Chloromethane	50.000	55.227	-10.5	111	0.00	
4	P	Vinyl Chloride	50.000	52.518	-5.0	98	0.00	
5	P	Bromomethane	50.000	45.247	9.5	96	0.00	
6	P	Chloroethane	50.000	46.206	7.6	89	0.00	
7		Freon 21	50.000	44.644	10.7	92	0.00	
8	P	Trichlorofluoromethane	50.000	44.612	10.8	86	0.00	
9		Diethyl Ether	50.000	45.373	9.3	93	0.00	
10		Freon 123a	50.000	43.414	13.2	90	0.00	
11		Freon 123	50.000	42.964	14.1	88	0.00	
12		Acrolein	250.000	162.512	35.0#	65	0.00	NT
13		1,1-Diclethene	50.000	49.774	0.5	96	0.00	
14	P	Freon 113	50.000	50.150	-0.3	97	0.00	
15	P	Acetone	50.000	46.082	7.8	96	0.00	
16		2-Propanol	1000.000	800.096	20.0	82	0.00	
17		Iodomethane	50.000	49.219	1.6	97	0.00	
18	P	Carbon Disulfide	50.000	51.171	-2.3	103	0.00	
19		Acetonitrile	250.000	247.843	0.9	100	0.00	
20		Allyl Chloride	50.000	52.579	-5.2	104	0.00	
21	P	Methyl Acetate	50.000	46.900	6.2	92	0.00	
22	P	Methylene Chloride	50.000	48.971	2.1	102	0.00	
23		TBA	1000.000	781.130	21.9#	80	0.00	NT
24		Acrylonitrile	250.000	221.542	11.4	88	0.00	
25	P	Methyl-t-Butyl Ether	50.000	49.457	1.1	100	0.00	
26	P	trans-1,2-Dichloroethene	50.000	49.671	0.7	98	0.00	
27	P	1,1-Diclethane	50.000	53.248	-6.5	104	0.00	
28		Vinyl Acetate	50.000	48.231	3.5	93	0.00	
29		DIPE	50.000	55.648	-11.3	113	0.00	
30		2-Chloro-1,3-Butadiene	50.000	54.068	-8.1	107	0.00	
31		ETBE	50.000	52.315	-4.6	107	0.00	
32		2,2-Dichloropropane	50.000	52.156	-4.3	103	0.00	
33	P	cis-1,2-Dichloroethene	50.000	49.584	0.8	99	0.00	
34	P	2-Butanone	50.000	42.526	14.9	88	0.00	
35		Propionitrile	250.000	218.910	12.4	85	0.00	
36		Bromochloromethane	50.000	46.305	7.4	93	0.00	
37		Methacrylonitrile	50.000	45.507	9.0	87	0.00	
38		Tetrahydrofuran	50.000	43.123	13.8	90	0.00	
39	P	Chloroform	50.000	50.043	-0.1	100	0.00	
40	P	1,1,1-Trichloroethane	50.000	50.005	-0.0	96	0.00	
41		TAME	50.000	49.645	0.7	101	0.00	
42	i	1,4-Difluorobenzene	50.000	50.000	0.0	107	0.00	
43	P	Cyclohexane	50.000	52.354	-4.7	111	0.00	
44	s	surr4,Dibrflmethane	50.000	46.111	7.8	99	0.00	
45	P	Carbontetrachloride	50.000	48.085	3.8	97	0.00	
46		1,1-Dichloropropene	50.000	49.595	0.8	99	0.00	
47	s	surr1,1,2-dichloroethane-d4	50.000	47.073	5.9	102	0.00	
48	P	Benzene	50.000	48.881	2.2	100	0.00	
49	P	1,2-Dichloroethane	50.000	49.867	0.3	102	0.00	
50		Iso-Butyl Alcohol	1000.000	839.678	16.0	86	0.00	
51		n-Heptane	50.000	60.147	-20.3#	117	0.00	NT

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\MSVOA14\Data\050819\
Data File : F6509.D
Acq On : 8 May 2019 2:57 pm
Operator : F.NAEGLER
Sample : CCV Inst : MSVOA14
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 08 15:32:42 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 16:08:17 2019
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		1-Butanol	2500.000	1918.270	23.3#	78	0.00	NT
53	P	Trichloroethene	50.000	45.118	9.8	89	0.00	
54	P	Methylcyclohexane	50.000	52.651	-5.3	110	0.00	
55	P	1,2-Diclpropane	50.000	51.096	-2.2	104	0.00	
56		Dibromomethane	50.000	46.552	6.9	96	0.00	
57		1,4-Dioxane	1000.000	721.037	27.9#	74	0.00	(1)
58		Methyl Methacrylate	50.000	45.548	8.9	89	0.00	
59	P	Bromodichloromethane	50.000	51.104	-2.2	103	0.00	
60		2-Nitropropane	100.000	88.570	11.4	93	0.00	
61		2-Chloroethylvinyl Ether	50.000	44.045	11.9	87	0.00	
62	P	cis-1,3-Dichloropropene	50.000	51.927	-3.9	103	0.00	
63	P	4-Methyl-2-pentanone	50.000	42.750	14.5	88	0.00	
64	s	SURR3,Toluene-d8	50.000	45.711	8.6	99	0.00	
65	P	Toluene	50.000	47.447	5.1	96	0.00	
66	P	trans-1,3-Dichloropropene	50.000	50.937	-1.9	100	0.00	
67		Ethyl Methacrylate	50.000	51.604	-3.2	95	0.00	
68	P	1,1,2-Trichloroethane	50.000	45.655	8.7	94	0.00	
69	s	SURR2,BFB	50.000	45.293	9.4	100	0.00	
70	i	d5-Chlorobenzene	50.000	50.000	0.0	106	0.00	
71	P	Tetrachloroethene	50.000	42.337	15.3	90	0.00	
72	P	2-Hexanone	50.000	43.261	13.5	87	0.00	
73		1,3-Dichloropropane	50.000	47.804	4.4	97	0.00	
74	P	Dibromochloromethane	50.000	47.741	4.5	95	0.00	
75		N-Butyl Acetate	50.000	46.865	6.3	93	0.00	
76	P	1,2-Dibromoethane	50.000	45.462	9.1	91	0.00	
77		3-Chlorobenzotrifluoride	50.000	47.354	5.3	103	0.00	
78	P	Chlorobenzene	50.000	45.803	8.4	95	0.00	
79		4-Chlorobenzotrifluoride	50.000	47.622	4.8	103	0.00	
80		1,1,1,2-Tetrachloroethane	50.000	49.345	1.3	97	0.00	
81	P	Ethylbenzene	50.000	47.204	5.6	95	0.00	
82	P	(m+p)Xylene	100.000	94.382	5.6	94	0.00	
83	P	o-Xylene	50.000	47.275	5.5	94	0.00	
84	P	Styrene	50.000	48.326	3.3	94	0.00	
85	P	Bromoform	50.000	45.878	8.2	90	0.00	
86		2-Chlorobenzotrifluoride	50.000	46.352	7.3	101	0.00	
87	P	Isopropylbenzene	50.000	47.196	5.6	92	0.00	
88		Cyclohexanone	1000.000	814.451	18.6	79	0.00	
89		trans-1,4-Dichloro-2-Butene	50.000	43.706	12.6	88	0.00	
90	i	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	101	0.00	
91	P	1,1,2,2-Tetrachloroethane	50.000	45.352	9.3	92	0.00	
92		Bromobenzene	50.000	45.849	8.3	91	0.00	
93		1,2,3-Trichloropropane	50.000	40.922	18.2	81	0.00	
94		n-Propylbenzene	50.000	50.261	-0.5	95	0.00	
95		2-Chlorotoluene	50.000	49.470	1.1	96	0.00	
96		3-Chlorotoluene	50.000	51.589	-3.2	106	0.00	
97		4-Chlorotoluene	50.000	48.467	3.1	94	0.00	
98		1,3,5-Trimethylbenzene	50.000	49.003	2.0	93	0.00	
99		tert-Butylbenzene	50.000	47.512	5.0	90	0.00	
100		1,2,4-Trimethylbenzene	50.000	49.318	1.4	93	0.00	
101		3,4-Dichlorobenzotrifluorid	50.000	47.974	4.1	98	0.00	

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\MSVOA14\Data\050819\
Data File : F6509.D
Acq On : 8 May 2019 2:57 pm
Operator : F.NAEGLER
Sample : CCV Inst : MSVOA14
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 08 15:32:42 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 16:08:17 2019
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		sec-Butylbenzene	50.000	49.400	1.2	92	0.00	
103		p-Isopropyltoluene	50.000	48.475	3.0	91	0.00	
104	P	1,3-Dclbenz	50.000	46.361	7.3	92	0.00	
105	P	1,4-Dclbenz	50.000	44.482	11.0	91	0.00	
106		2,4-Dichlorobenzotrifluorid	50.000	48.404	3.2	98	0.00	
107		2,5-Dichlorobenzotrifluorid	50.000	46.872	6.3	96	0.00	
108		n-Butylbenzene	50.000	50.018	-0.0	95	0.00	
109	P	1,2-Dclbenz	50.000	46.001	8.0	90	0.00	
110	P	1,2-Dibromo-3-chloropropane	50.000	40.095	19.8	76	0.00	
111		Trielution Dichlorotoluene	150.000	152.342	-1.6	98	0.00	
112		1,3,5-Trichlorobenzene	50.000	47.776	4.4	94	0.00	
113		Coelution Dichlorotoluene	100.000	102.632	-2.6	96	0.00	
114	P	1,2,4-Tcbenzene	50.000	43.883	12.2	87	0.00	
115		Hexachlorobt	50.000	41.914	16.2	85	0.00	
116		Naphthalen	50.000	41.300	17.4	77	0.00	
117		1,2,3-Tclbenzene	50.000	42.020	16.0	81	0.00	
118		2,4,5-Trichlorotoluene	50.000	35.653	28.7#	56	0.00	NT
119		2,3,6-Trichlorotoluene	50.000	36.092	27.8#	57	0.00	NT

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\050819\
Data File : F6509.D
Acq On : 8 May 2019 2:57 pm
Operator : F.NAEGLER
Sample : CCV Inst : MSVOA14
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 08 15:32:42 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 16:08:17 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	4.687	168	274395	50.00	ug/L		0.00
42) 1,4-Difluorobenzene	5.937	114	419413	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.577	117	370392	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.735	152	194563	50.00	ug/L		0.00
System Monitoring Compounds							
44) surr4,Dibrflmethane	4.535	113	128872	46.11	ug/L		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 92.22%				
47) surr1,1,2-dichloroetha...	5.120	65	154174	47.07	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 94.14%				
64) SURR3,Toluene-d8	7.943	98	509934	45.71	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 91.42%				
69) SURR2,BFB	10.729	95	195669	45.29	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 90.58%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.048	85	187446	58.34	ug/L		99
3) Chloromethane	1.151	50	198725	55.23	ug/L		100
4) Vinyl Chloride	1.218	62	170478	52.52	ug/L		99
5) Bromomethane	1.413	94	83210	45.25	ug/L		98
6) Chloroethane	1.481	64	87939	46.21	ug/L		99
7) Freon 21	1.609	67	204800	44.64	ug/L		100
8) Trichlorofluoromethane	1.651	101	162168	44.61	ug/L		99
9) Diethyl Ether	1.846	59	116560	45.37	ug/L		97
10) Freon 123a	1.846	67	123450	43.41	ug/L		94
11) Freon 123	1.895	83	139279	42.96	ug/L		99
12) Acrolein	1.932	56	114833	162.51	ug/L		97
13) 1,1-Diclethene	2.011	96	114081	49.77	ug/L		97
14) Freon 113	2.017	101	104209	50.15	ug/L		96
15) Acetone	2.041	43	61804	46.08	ug/L		97
16) 2-Propanol	2.157	45	238719	800.10	ug/L		100
17) Iodomethane	2.121	142	163517	49.22	ug/L		99
18) Carbon Disulfide	2.176	76	310453	51.17	ug/L		99
19) Acetonitrile	2.255	40	66752	247.84	ug/L		99
20) Allyl Chloride	2.291	76	69545	52.58	ug/L	#	88
21) Methyl Acetate	2.310	43	130763	46.90	ug/L		98
22) Methylene Chloride	2.389	84	143076	48.97	ug/L		94
23) TBA	2.505	59	391133	781.13	ug/L		97
24) Acrylonitrile	2.602	53	344163	221.54	ug/L		98
25) Methyl-t-Butyl Ether	2.657	73	431534	49.46	ug/L		98
26) trans-1,2-Dichloroethene	2.645	96	127524	49.67	ug/L		97
27) 1,1-Diclethane	3.066	63	250932	53.25	ug/L		99
28) Vinyl Acetate	3.145	86	29283	48.23	ug/L	#	71
29) DIPE	3.181	45	449447	55.65	ug/L		97
30) 2-Chloro-1,3-Butadiene	3.175	53	167851	54.07	ug/L		93
31) ETBE	3.639	59	402915	52.32	ug/L		100
32) 2,2-Dichloropropane	3.779	77	181540	52.16	ug/L		98
33) cis-1,2-Dichloroethene	3.785	96	146782	49.58	ug/L		93
34) 2-Butanone	3.822	43	84772	42.53	ug/L		99
35) Propionitrile	3.883	54	140176	218.91	ug/L		97
36) Bromochloromethane	4.120	130	94224	46.31	ug/L		90
37) Methacrylonitrile	4.120	67	72705	45.51	ug/L		99
38) Tetrahydrofuran	4.212	42	56539	43.12	ug/L		95
39) Chloroform	4.279	83	232842	50.04	ug/L		97
40) 1,1,1-Trichloroethane	4.547	97	182268	50.00	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\050819\
Data File : F6509.D
Acq On : 8 May 2019 2:57 pm
Operator : F.NAEGLER
Sample : CCV Inst : MSVOA14
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 08 15:32:42 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 16:08:17 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) TAME	5.510	73	378703	49.65 ug/L	97
43) Cyclohexane	4.638	41	111000	52.35 ug/L	96
45) Carbontetrachloride	4.840	117	142726	48.08 ug/L	98
46) 1,1-Dichloropropene	4.852	75	166910	49.60 ug/L	99
48) Benzene	5.218	78	541061	48.88 ug/L	99
49) 1,2-Dichloroethane	5.254	62	195864	49.87 ug/L	96
50) Iso-Butyl Alcohol	5.254	43	179518	839.68 ug/L	99
51) n-Heptane	5.803	43	165161	60.15 ug/L	91
52) 1-Butanol	6.370	56	273912	1918.27 ug/L	97
53) Trichloroethene	6.297	130	136273	45.12 ug/L	98
54) Methylcyclohexane	6.565	55	155627	52.65 ug/L	87
55) 1,2-Diclpropane	6.608	63	153535	51.10 ug/L	99
56) Dibromomethane	6.760	93	93282	46.55 ug/L	91
57) 1,4-Dioxane	6.845	88	46680	721.04 ug/L	96
58) Methyl Methacrylate	6.888	69	117739	45.55 ug/L	93
59) Bromodichloromethane	7.022	83	178537	51.10 ug/L	99
60) 2-Nitropropane	7.333	41	67507	88.57 ug/L	100
61) 2-Chloroethylvinyl Ether	7.485	63	27344	44.04 ug/L	93
62) cis-1,3-Dichloropropene	7.626	75	239374	51.93 ug/L	98
63) 4-Methyl-2-pentanone	7.857	43	154899	42.75 ug/L	95
65) Toluene	8.022	91	561203	47.45 ug/L	100
66) trans-1,3-Dichloropropene	8.327	75	208393	50.94 ug/L	99
67) Ethyl Methacrylate	8.504	69	212020	51.60 ug/L	92
68) 1,1,2-Trichloroethane	8.528	97	136217	45.66 ug/L	97
71) Tetrachloroethene	8.668	164	101846	42.34 ug/L	96
72) 2-Hexanone	8.863	43	116724	43.26 ug/L	94
73) 1,3-Dichloropropane	8.711	76	242641	47.80 ug/L	95
74) Dibromochloromethane	8.961	129	132551	47.74 ug/L	98
75) N-Butyl Acetate	9.052	43	234362	46.87 ug/L	97
76) 1,2-Dibromoethane	9.058	107	138329	45.46 ug/L	99
77) 3-Chlorobenzotrifluoride	9.650	180	180445	47.35 ug/L	96
78) Chlorobenzene	9.607	112	359531	45.80 ug/L	97
79) 4-Chlorobenzotrifluoride	9.711	180	164386	47.62 ug/L	95
80) 1,1,1,2-Tetrachloroethane	9.705	131	126303	49.35 ug/L	98
81) Ethylbenzene	9.747	106	188303	47.20 ug/L	96
82) (m+p)Xylene	9.869	106	465812	94.38 ug/L	98
83) o-Xylene	10.247	106	230819	47.27 ug/L	97
84) Styrene	10.259	104	400343	48.33 ug/L	97
85) Bromoform	10.412	173	82961	45.88 ug/L	99
86) 2-Chlorobenzotrifluoride	10.515	180	177920	46.35 ug/L	98
87) Isopropylbenzene	10.607	105	569073	47.20 ug/L	100
88) Cyclohexanone	10.656	55	572949	814.45 ug/L	98
89) trans-1,4-Dichloro-2-B...	10.930	53	42699	43.71 ug/L	89
91) 1,1,2,2-Tetrachloroethane	10.881	83	185645	45.35 ug/L	99
92) Bromobenzene	10.845	156	154904	45.85 ug/L	91
93) 1,2,3-Trichloropropane	10.899	110	57774	40.92 ug/L	95
94) n-Propylbenzene	10.979	91	670669	50.26 ug/L	97
95) 2-Chlorotoluene	11.034	91	413696	49.47 ug/L	97
96) 3-Chlorotoluene	11.088	91	421909	51.59 ug/L	98
97) 4-Chlorotoluene	11.131	91	467588	48.47 ug/L	98
98) 1,3,5-Trimethylbenzene	11.143	105	469182	49.00 ug/L	99
99) tert-Butylbenzene	11.418	119	393884	47.51 ug/L	98
100) 1,2,4-Trimethylbenzene	11.460	105	478005	49.32 ug/L	100
101) 3,4-Dichlorobenzotrifl...	11.533	214	139302	47.97 ug/L	99
102) sec-Butylbenzene	11.607	105	585098	49.40 ug/L	98
103) p-Isopropyltoluene	11.735	119	488426	48.48 ug/L	99

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\050819\
Data File : F6509.D
Acq On : 8 May 2019 2:57 pm
Operator : F.NAEGLER
Sample : CCV Inst : MSVOA14
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 08 15:32:42 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 16:08:17 2019
Response via : Initial Calibration

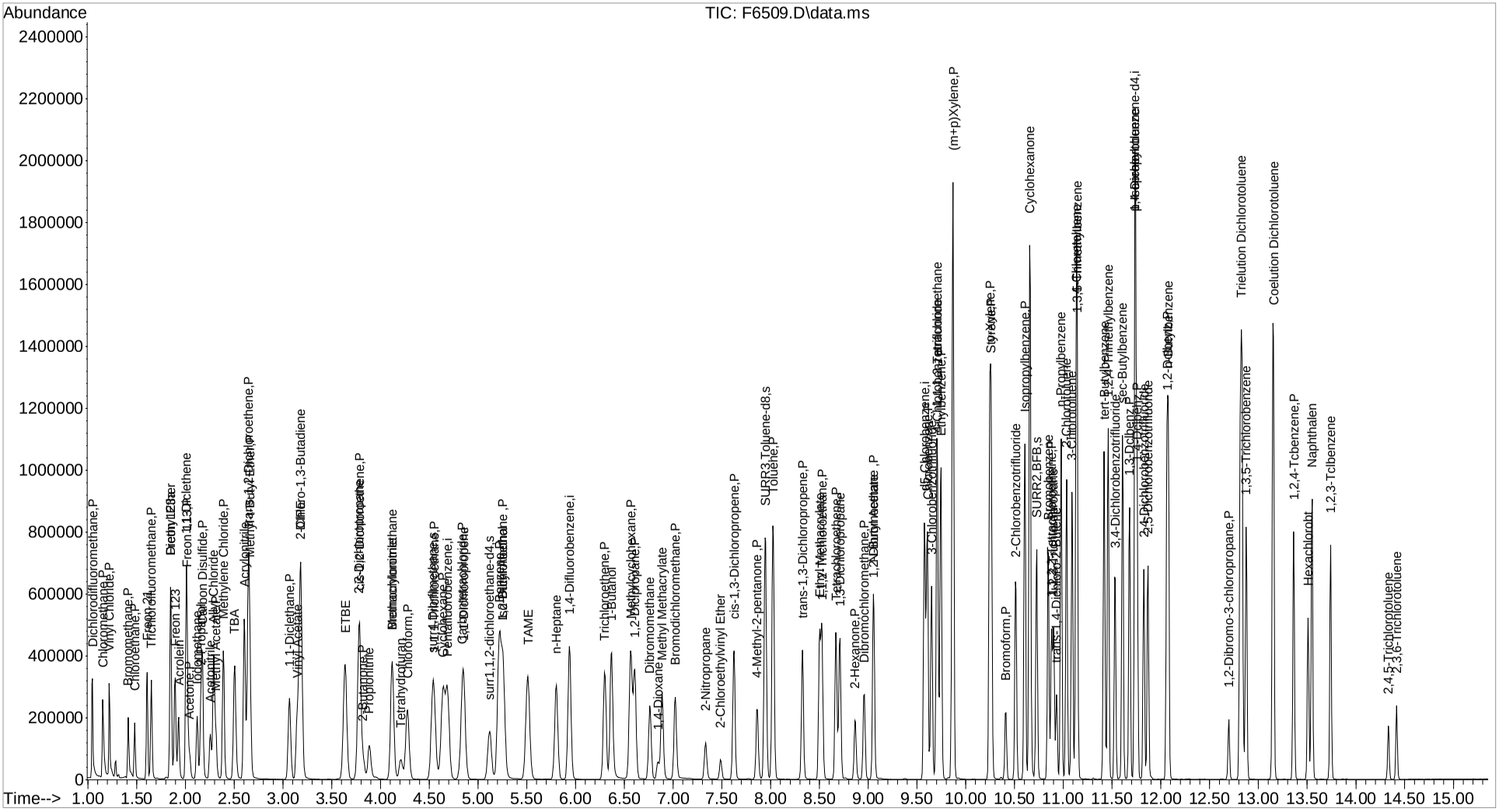
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3-Dclbenz	11.680	146	283462	46.36	ug/L	98
105) 1,4-Dclbenz	11.759	146	285753	44.48	ug/L	99
106) 2,4-Dichlorobenzotrifl...	11.826	214	126866	48.40	ug/L	98
107) 2,5-Dichlorobenzotrifl...	11.869	214	140881	46.87	ug/L	97
108) n-Butylbenzene	12.076	91	443945	50.02	ug/L	97
109) 1,2-Dclbenz	12.064	146	285605	46.00	ug/L	98
110) 1,2-Dibromo-3-chloropr...	12.698	157	38945	40.10	ug/L	99
111) Trielution Dichlorotol...	12.826	125	685539	152.34	ug/L	97
112) 1,3,5-Trichlorobenzene	12.875	180	190567	47.78	ug/L	98
113) Coelution Dichlorotoluene	13.155	125	495612	102.63	ug/L	100
114) 1,2,4-Tcbenzene	13.362	180	185652	43.88	ug/L	97
115) Hexachlorobt	13.509	225	75005	41.91	ug/L	99
116) Naphthalen	13.551	128	531205	41.30	ug/L	100
117) 1,2,3-Tclbenzene	13.740	180	173633	42.02	ug/L	99
118) 2,4,5-Trichlorotoluene	14.332	159	34795	35.65	ug/L	96
119) 2,3,6-Trichlorotoluene	14.417	159	42606	36.09	ug/L	96

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\050819\
Data File : F6509.D
Acq On : 8 May 2019 2:57 pm
Operator : F.NAEGLER
Sample : CCV Inst : MSVOA14
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 08 15:32:42 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 16:08:17 2019
Response via : Initial Calibration



1st 05/08/19
2nd 05/10/19

1st DL 05/08/19
2nd FJ 05/13/19

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\msvoa10\data\050819\
Data File : E0943.D
Acq On : 8 May 2019 10:05 am
Operator : D.LIPANI
Sample : CCV Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 08 10:21:28 2019
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W043019.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 01 13:32:41 2019
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	50.0000	50.0000	0.0	100	0.00	
2	P	Dichlorodifluoromethane	50.0000	68.9630	-37.9#	130	0.00	(1)
3	P	Chloromethane	50.0000	59.5850	-19.2	123	0.00	
4	P	Vinyl Chloride	50.0000	57.4907	-15.0	113	0.00	
5	P	Bromomethane	50.0000	40.6490	18.7	94	0.00	
6	P	Chloroethane	50.0000	49.3599	1.3	100	0.00	
7		Freon 21	50.0000	45.5995	8.8	96	0.00	
8	P	Trichlorofluoromethane	50.0000	53.3949	-6.8	103	0.00	
9		Diethyl Ether	50.0000	54.2205	-8.4	107	0.00	
10		Freon 123a	50.0000	48.8214	2.4	100	0.00	
11		Freon 123	50.0000	50.4512	-0.9	100	0.00	
12		Acrolein	250.0000	244.7748	2.1	97	0.00	
13		1,1-Diclethene	50.0000	50.5258	-1.1	104	0.00	
14	P	Freon 113	50.0000	53.5748	-7.1	104	0.00	
15	P	Acetone	50.0000	53.2024	-6.4	107	0.00	
16		2-Propanol	1000.0000	1081.4665	-8.1	106	0.00	
17		Iodomethane	50.0000	49.5383	0.9	92	0.00	
18	P	Carbon Disulfide	50.0000	47.8053	4.4	100	0.00	
19		Acetonitrile	250.0000	309.9443	-24.0#	119	0.00	NT
20		Allyl Chloride	50.0000	51.4814	-3.0	100	0.00	
21	P	Methyl Acetate	50.0000	53.1154	-6.2	109	0.00	
22	P	Methylene Chloride	50.0000	48.9683	2.1	102	0.00	
23		TBA	1000.0000	1057.8073	-5.8	106	-0.01	
24		Acrylonitrile	250.0000	275.3131	-10.1	106	0.00	
25	P	Methyl-t-Butyl Ether	50.0000	49.5512	0.9	98	0.00	
26	P	trans-1,2-Dichloroethene	50.0000	51.2778	-2.6	101	0.00	
27	P	1,1-Diclethane	50.0000	52.5254	-5.1	104	0.00	
28		Vinyl Acetate	50.0000	47.1681	5.7	101	0.00	
29		DIPE	50.0000	51.6894	-3.4	101	0.00	
30		2-Chloro-1,3-Butadiene	50.0000	49.0397	1.9	101	0.00	
31		ETBE	50.0000	49.8666	0.3	97	0.00	
32		2,2-Dichloropropane	50.0000	48.6112	2.8	96	0.00	
33	P	cis-1,2-Dichloroethene	50.0000	50.4197	-0.8	99	0.00	
34	P	2-Butanone	50.0000	55.6405	-11.3	113	0.00	
35		Propionitrile	250.0000	279.0648	-11.6	107	0.00	
36		Bromochloromethane	50.0000	51.0234	-2.0	103	0.00	
37		Methacrylonitrile	50.0000	51.6917	-3.4	108	0.00	
38		Tetrahydrofuran	50.0000	52.5984	-5.2	111	0.00	
39	P	Chloroform	50.0000	49.6138	0.8	100	0.00	
40	P	1,1,1-Trichloroethane	50.0000	48.9097	2.2	98	0.00	
41	i	1,4-Difluorobenzene	50.0000	50.0000	0.0	98	0.00	
42	P	Cyclohexane	50.0000	49.2893	1.4	102	0.00	
43	s	surr4,Dibrflmethane	50.0000	48.9442	2.1	95	0.00	
44	P	Carbontetrachloride	50.0000	48.9504	2.1	97	0.00	
45		1,1-Dichloropropene	50.0000	50.8694	-1.7	101	0.00	
46	s	surr1,1,2-dichloroethane-d4	50.0000	49.1005	1.8	96	0.00	
47	P	Benzene	50.0000	51.8885	-3.8	101	0.00	
48	P	1,2-Dichloroethane	50.0000	47.2976	5.4	94	0.00	
49		Iso-Butyl Alcohol	1000.0000	1117.5940	-11.8	110	-0.01	
50		TAME	50.0000	47.8824	4.2	94	0.00	
51		n-Heptane	50.0000	57.5884	-15.2	116	0.00	

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\msvoa10\data\050819\
Data File : E0943.D
Acq On : 8 May 2019 10:05 am
Operator : D.LIPANI
Sample : CCV Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 08 10:21:28 2019
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W043019.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 01 13:32:41 2019
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		1-Butanol	2500.0000	2709.2969	-8.4	103	-0.01	
53	P	Trichloroethene	50.0000	48.8154	2.4	102	0.00	
54	P	Methylcyclohexane	50.0000	50.3876	-0.8	103	0.00	
55	P	1,2-Diclpropane	50.0000	51.8814	-3.8	101	0.00	
56		Dibromomethane	50.0000	50.1593	-0.3	94	0.00	
57		1,4-Dioxane	1000.0000	1061.2065	-6.1	105	0.00	
58		Methyl Methacrylate	50.0000	53.5935	-7.2	105	0.00	
59	P	Bromodichloromethane	50.0000	49.6715	0.7	96	0.00	
60		2-Nitropropane	100.0000	82.6553	17.3	88	0.00	
61		2-Chloroethylvinyl Ether	50.0000	55.1242	-10.2	108	0.00	
62	P	cis-1,3-Dichloropropene	50.0000	51.9142	-3.8	100	0.00	
63	P	4-Methyl-2-pentanone	50.0000	54.4551	-8.9	108	0.00	
64	s	SURR3,Toluene-d8	50.0000	48.8640	2.3	97	0.00	
65	P	Toluene	50.0000	50.2444	-0.5	97	0.00	
66	P	trans-1,3-Dichloropropene	50.0000	50.6812	-1.4	96	0.00	
67		Ethyl Methacrylate	50.0000	51.8776	-3.8	103	0.00	
68	P	1,1,2-Trichloroethane	50.0000	48.2105	3.6	95	0.00	
69	s	SURR2,BFB	50.0000	46.9582	6.1	89	0.00	
70	i	d5-Chlorobenzene	50.0000	50.0000	0.0	100	0.00	
71	P	Tetrachloroethene	50.0000	49.8001	0.4	98	0.00	
72	P	2-Hexanone	50.0000	54.9830	-10.0	111	0.00	
73		1,3-Dichloropropane	50.0000	52.3709	-4.7	100	0.00	
74	P	Dibromochloromethane	50.0000	48.3767	3.2	95	0.00	
75		N-Butyl Acetate	50.0000	53.8092	-7.6	106	0.00	
76	P	1,2-Dibromoethane	50.0000	51.0258	-2.1	96	0.00	
77		3-Chlorobenzotrifluoride	50.0000	47.9365	4.1	92	0.00	
78	P	Chlorobenzene	50.0000	48.6036	2.8	95	0.00	
79		4-Chlorobenzotrifluoride	50.0000	47.6487	4.7	92	0.00	
80		1,1,1,2-Tetrachloroethane	50.0000	50.0389	-0.1	95	0.00	
81	P	Ethylbenzene	50.0000	50.7234	-1.4	95	0.00	
82	P	(m+p)Xylene	100.0000	98.0615	1.9	93	0.00	
83	P	o-Xylene	50.0000	48.5977	2.8	93	0.00	
84	P	Styrene	50.0000	50.9080	-1.8	94	0.00	
85	P	Bromoform	50.0000	48.5642	2.9	91	0.00	
86		2-Chlorobenzotrifluoride	50.0000	47.3643	5.3	92	0.00	
87	P	Isopropylbenzene	50.0000	49.5943	0.8	94	0.00	
88		Cyclohexanone	1000.0000	1225.1873	-22.5#	108	0.00	NT
89		trans-1,4-Dichloro-2-Butene	50.0000	53.4211	-6.8	97	0.00	
90	i	1,4-Dichlorobenzene-d4	50.0000	50.0000	0.0	94	0.00	
91	P	1,1,2,2-Tetrachloroethane	50.0000	50.4674	-0.9	91	0.00	
92		Bromobenzene	50.0000	49.1101	1.8	95	0.00	
93		1,2,3-Trichloropropane	50.0000	48.6431	2.7	94	0.00	
94		n-Propylbenzene	50.0000	50.0028	-0.0	93	0.00	
95		2-Chlorotoluene	50.0000	49.4456	1.1	91	0.00	
96		3-Chlorotoluene	50.0000	45.7194	8.6	88	0.00	
97		4-Chlorotoluene	50.0000	48.7719	2.5	89	0.00	
98		1,3,5-Trimethylbenzene	50.0000	48.8564	2.3	90	0.00	
99		tert-Butylbenzene	50.0000	49.4090	1.2	92	0.00	
100		1,2,4-Trimethylbenzene	50.0000	49.2585	1.5	90	0.00	
101		3,4-Dichlorobenzotrifluorid	50.0000	45.8330	8.3	91	0.00	

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\msvoa10\data\050819\
Data File : E0943.D
Acq On : 8 May 2019 10:05 am
Operator : D.LIPANI
Sample : CCV Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 08 10:21:28 2019
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W043019.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 01 13:32:41 2019
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		sec-Butylbenzene	50.0000	50.2044	-0.4	91	0.00
103		p-Isopropyltoluene	50.0000	49.8945	0.2	90	0.00
104	P	1,3-Dclbenz	50.0000	48.3056	3.4	92	0.00
105	P	1,4-Dclbenz	50.0000	47.8051	4.4	92	0.00
106		2,4-Dichlorobenzotrifluorid	50.0000	46.6039	6.8	88	0.00
107		2,5-Dichlorobenzotrifluorid	50.0000	49.3705	1.3	90	0.00
108		n-Butylbenzene	50.0000	50.9594	-1.9	90	0.00
109	P	1,2-Dclbenz	50.0000	48.3548	3.3	91	0.00
110	P	1,2-Dibromo-3-chloropropane	50.0000	50.6511	-1.3	92	0.00
111		Trielution Dichlorotoluene	150.0000	140.8517	6.1	87	0.00
112		1,3,5-Trichlorobenzene	50.0000	49.0200	2.0	91	0.00
113		Coelution Dichlorotoluene	100.0000	93.1355	6.9	87	0.00
114	P	1,2,4-Tcbenzene	50.0000	50.6772	-1.4	95	0.00
115		Hexachlorobt	50.0000	51.7840	-3.6	96	0.00
116		Naphthalen	50.0000	53.3341	-6.7	93	0.00
117		1,2,3-Tclbenzene	50.0000	50.9252	-1.9	94	0.00
118		2,4,5-Trichlorotoluene	50.0000	48.0242	4.0	88	0.00
119		2,3,6-Trichlorotoluene	50.0000	48.4757	3.0	89	0.00

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\050819\
Data File : E0943.D
Acq On : 8 May 2019 10:05 am
Operator : D.LIPANI
Sample : CCV Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 08 10:21:28 2019
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W043019.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 01 13:32:41 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.391	168	255362	50.00	ug/L		0.00
41) 1,4-Difluorobenzene	6.488	114	405131	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.805	117	355537	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.853	152	191096	50.00	ug/L		0.00
System Monitoring Compounds							
43) surr4,Dibrflmethane	5.232	113	129885	48.94	ug/L		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 97.88%				
46) surr1,1,2-dichloroetha...	5.781	65	183750	49.10	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 98.20%				
64) SURR3,Toluene-d8	8.311	98	536704	48.86	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 97.72%				
69) SURR2,BFB	10.878	95	199567	46.96	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 93.92%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.154	85	251840	68.96	ug/L		98
3) Chloromethane	1.276	50	297528	59.59	ug/L		100
4) Vinyl Chloride	1.355	62	265124	57.49	ug/L		99
5) Bromomethane	1.581	94	129593	40.65	ug/L		94
6) Chloroethane	1.660	64	137768	49.36	ug/L		98
7) Freon 21	1.812	67	299389	45.60	ug/L		98
8) Trichlorofluoromethane	1.855	101	237168	53.39	ug/L		98
9) Diethyl Ether	2.093	59	159576	54.22	ug/L		98
10) Freon 123a	2.093	67	185212	48.82	ug/L		94
11) Freon 123	2.148	83	202391	50.45	ug/L		96
12) Acrolein	2.190	56	182205	244.77	ug/L		95
13) 1,1-Diclethene	2.282	96	137263	50.53	ug/L		96
14) Freon 113	2.288	101	132593	53.57	ug/L		95
15) Acetone	2.324	43	96656	53.20	ug/L		97
16) 2-Propanol	2.459	45	409548	1081.47	ug/L		100
17) Iodomethane	2.416	142	176855	49.54	ug/L		93
18) Carbon Disulfide	2.477	76	389014	47.81	ug/L		99
19) Acetonitrile	2.574	41	197012	309.94	ug/L		98
20) Allyl Chloride	2.617	76	83437	51.48	ug/L	#	91
21) Methyl Acetate	2.635	43	201494	53.12	ug/L		99
22) Methylene Chloride	2.733	84	157032	48.97	ug/L		97
23) TBA	2.861	59	600523	1057.81	ug/L		97
24) Acrylonitrile	2.983	53	482403	275.31	ug/L		98
25) Methyl-t-Butyl Ether	3.032	73	512102	49.55	ug/L		97
26) trans-1,2-Dichloroethene	3.026	96	147044	51.28	ug/L		95
27) 1,1-Diclethane	3.525	63	318850	52.53	ug/L		99
28) Vinyl Acetate	3.611	86	31233	47.17	ug/L		97
29) DIPE	3.653	45	585111	51.69	ug/L		95
30) 2-Chloro-1,3-Butadiene	3.647	53	235715	49.04	ug/L		99
31) ETBE	4.184	59	499290	49.87	ug/L		96
32) 2,2-Dichloropropane	4.361	77	243126	48.61	ug/L		94
33) cis-1,2-Dichloroethene	4.367	96	159535	50.42	ug/L		93
34) 2-Butanone	4.409	43	129179	55.64	ug/L		98
35) Propionitrile	4.495	54	192757	279.06	ug/L		96
36) Bromochloromethane	4.763	130	95012	51.02	ug/L		95
37) Methacrylonitrile	4.769	67	93407	51.69	ug/L		90
38) Tetrahydrofuran	4.854	42	85292	52.60	ug/L		99
39) Chloroform	4.940	83	265891	49.61	ug/L		96
40) 1,1,1-Trichloroethane	5.251	97	219160	48.91	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\050819\
Data File : E0943.D
Acq On : 8 May 2019 10:05 am
Operator : D.LIPANI
Sample : CCV Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 08 10:21:28 2019
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W043019.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 01 13:32:41 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Cyclohexane	5.336	41	178693	49.29	ug/L	94
44) Carbontetrachloride	5.525	117	174944	48.95	ug/L	96
45) 1,1-Dichloropropene	5.537	75	216519	50.87	ug/L	99
47) Benzene	5.860	78	646148	51.89	ug/L	98
48) 1,2-Dichloroethane	5.897	62	235105	47.30	ug/L	94
49) Iso-Butyl Alcohol	5.879	43	302876	1117.59	ug/L	97
50) TAME	6.098	73	438095	47.88	ug/L	99
51) n-Heptane	6.354	43	266580	57.59	ug/L	96
52) 1-Butanol	6.848	56	416629	2709.30	ug/L	96
53) Trichloroethene	6.811	130	151139	48.82	ug/L	97
54) Methylcyclohexane	7.055	55	219371	50.39	ug/L	91
55) 1,2-Diclpropane	7.098	63	179656	51.88	ug/L	100
56) Dibromomethane	7.238	93	99564	50.16	ug/L	94
57) 1,4-Dioxane	7.299	88	60468	1061.21	ug/L	95
58) Methyl Methacrylate	7.330	69	147893	53.59	ug/L	98
59) Bromodichloromethane	7.464	83	194118	49.67	ug/L	99
60) 2-Nitropropane	7.750	41	101137	82.66	ug/L	99
61) 2-Chloroethylvinyl Ether	7.878	63	99864	55.12	ug/L	98
62) cis-1,3-Dichloropropene	8.012	75	269537	51.91	ug/L	99
63) 4-Methyl-2-pentanone	8.220	43	242003	54.46	ug/L	98
65) Toluene	8.384	91	658109	50.24	ug/L	99
66) trans-1,3-Dichloropropene	8.652	75	243024	50.68	ug/L	99
67) Ethyl Methacrylate	8.793	69	257921	51.88	ug/L	100
68) 1,1,2-Trichloroethane	8.841	97	140605	48.21	ug/L	96
71) Tetrachloroethene	8.976	164	113716	49.80	ug/L	97
72) 2-Hexanone	9.134	43	188924	54.98	ug/L	95
73) 1,3-Dichloropropane	9.012	76	269295	52.37	ug/L	94
74) Dibromochloromethane	9.238	129	135550	48.38	ug/L	96
75) N-Butyl Acetate	9.286	43	362653	53.81	ug/L	98
76) 1,2-Dibromoethane	9.335	107	146639	51.03	ug/L	99
77) 3-Chlorobenzotrifluoride	9.847	180	195742	47.94	ug/L	96
78) Chlorobenzene	9.829	112	389663	48.60	ug/L	100
79) 4-Chlorobenzotrifluoride	9.902	180	173387	47.65	ug/L	98
80) 1,1,1,2-Tetrachloroethane	9.914	131	135098	50.04	ug/L	97
81) Ethylbenzene	9.951	106	212974	50.72	ug/L	94
82) (m+p)Xylene	10.061	106	529435	98.06	ug/L	98
83) o-Xylene	10.420	106	255362	48.60	ug/L	99
84) Styrene	10.433	104	446661	50.91	ug/L	99
85) Bromoform	10.585	173	91763	48.56	ug/L	97
86) 2-Chlorobenzotrifluoride	10.664	180	192083	47.36	ug/L	99
87) Isopropylbenzene	10.756	105	675286	49.59	ug/L	99
88) Cyclohexanone	10.817	55	924685	1225.19	ug/L	99
89) trans-1,4-Dichloro-2-B...	11.061	53	64859	53.42	ug/L	91
91) 1,1,2,2-Tetrachloroethane	11.012	83	216874	50.47	ug/L	99
92) Bromobenzene	11.000	156	166126	49.11	ug/L	95
93) 1,2,3-Trichloropropane	11.042	110	62278	48.64	ug/L	97
94) n-Propylbenzene	11.109	91	847269	50.00	ug/L	98
95) 2-Chlorotoluene	11.170	91	494273	49.45	ug/L	98
96) 3-Chlorotoluene	11.225	91	453503	45.72	ug/L	98
97) 4-Chlorotoluene	11.268	91	569761	48.77	ug/L	99
98) 1,3,5-Trimethylbenzene	11.262	105	564764	48.86	ug/L	99
99) tert-Butylbenzene	11.536	119	482539	49.41	ug/L	99
100) 1,2,4-Trimethylbenzene	11.573	105	567350	49.26	ug/L	98
101) 3,4-Dichlorobenzotrifl...	11.634	214	160436	45.83	ug/L	97
102) sec-Butylbenzene	11.719	105	742805	50.20	ug/L	99
103) p-Isopropyltoluene	11.841	119	602140	49.89	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\050819\
Data File : E0943.D
Acq On : 8 May 2019 10:05 am
Operator : D.LIPANI
Sample : CCV Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 08 10:21:28 2019
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W043019.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 01 13:32:41 2019
Response via : Initial Calibration

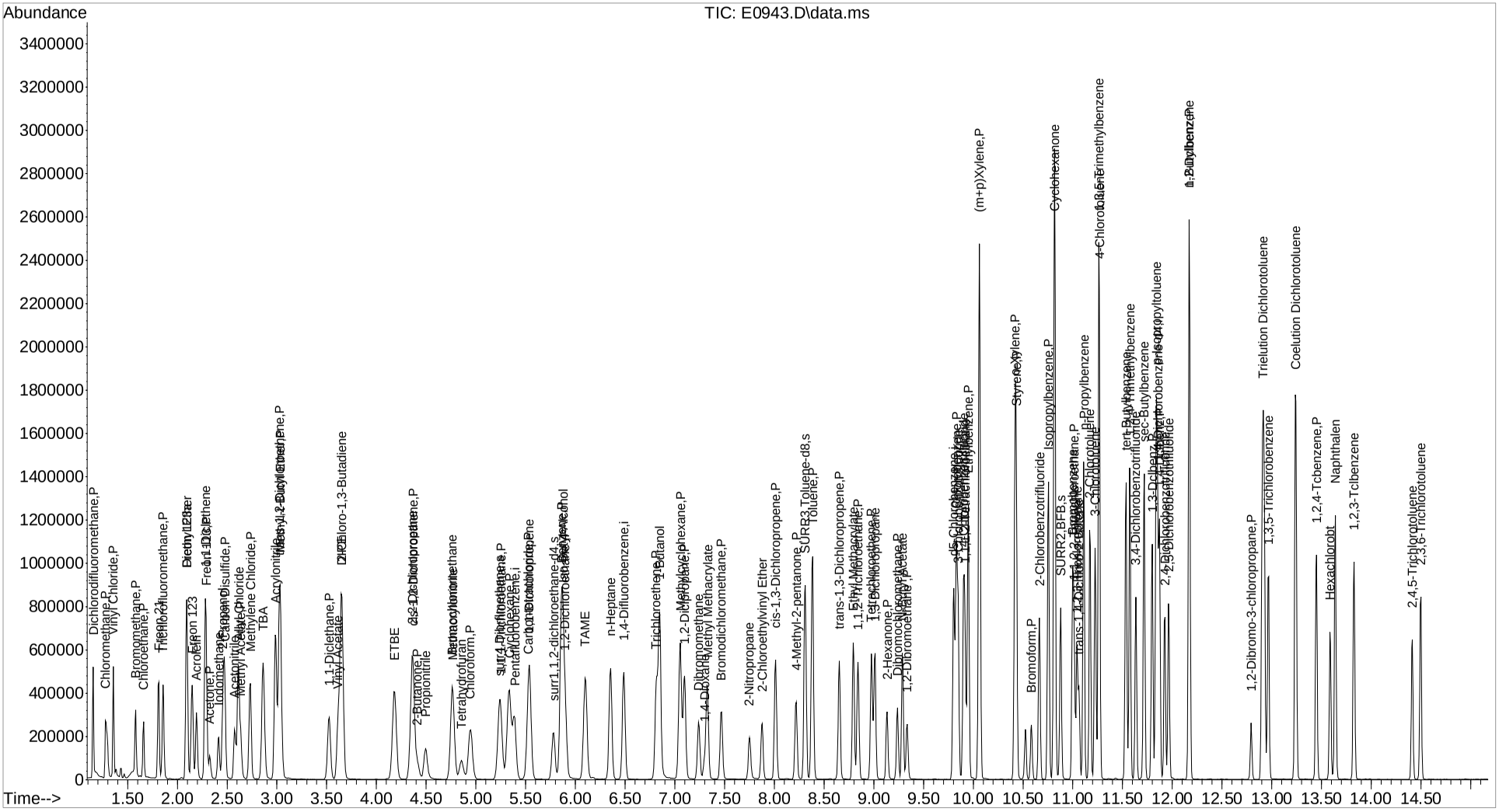
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3-Dclbenz	11.798	146	316094	48.31	ug/L	97
105) 1,4-Dclbenz	11.871	146	321744	47.81	ug/L	99
106) 2,4-Dichlorobenzotrifl...	11.926	214	147906	46.60	ug/L	99
107) 2,5-Dichlorobenzotrifl...	11.963	214	164261	49.37	ug/L	96
108) n-Butylbenzene	12.170	91	612385	50.96	ug/L	98
109) 1,2-Dclbenz	12.170	146	313124	48.35	ug/L	98
110) 1,2-Dibromo-3-chloropr...	12.792	157	46567	50.65	ug/L	96
111) Trielution Dichlorotol...	12.914	125	792311	140.85	ug/L	99
112) 1,3,5-Trichlorobenzene	12.969	180	228705	49.02	ug/L	98
113) Coelution Dichlorotoluene	13.243	125	572305	93.14	ug/L	95
114) 1,2,4-Tcbenzene	13.450	180	243665	50.68	ug/L	97
115) Hexachlorobt	13.584	225	103236	51.78	ug/L	96
116) Naphthalen	13.639	128	678905	53.33	ug/L	99
117) 1,2,3-Tclbenzene	13.828	180	236183	50.93	ug/L	99
118) 2,4,5-Trichlorotoluene	14.414	159	130855	48.02	ug/L	97
119) 2,3,6-Trichlorotoluene	14.499	159	150498	48.48	ug/L	97

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\050819\
Data File : E0943.D
Acq On : 8 May 2019 10:05 am
Operator : D.LIPANI
Sample : CCV Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 08 10:21:28 2019
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W043019.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 01 13:32:41 2019
Response via : Initial Calibration



1st DL 05/08/19
2nd FJ 05/13/19

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\msvoa10\data\051019\
Data File : E0973.D
Acq On : 10 May 2019 9:50 am
Operator : D.LIPANI
Sample : CCV Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 10 10:11:50 2019
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W043019.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 01 13:32:41 2019
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	50.0000	50.0000	0.0	106	0.00	
2	P	Dichlorodifluoromethane	50.0000	68.5981	-37.2#	137	0.00	(1)
3	P	Chloromethane	50.0000	56.7352	-13.5	124	0.00	
4	P	Vinyl Chloride	50.0000	56.9767	-14.0	118	0.00	
5	P	Bromomethane	50.0000	39.4788	21.0#	96	0.00	(2)
6	P	Chloroethane	50.0000	49.5394	0.9	106	0.00	
7		Freon 21	50.0000	47.1137	5.8	105	0.00	
8	P	Trichlorofluoromethane	50.0000	52.2375	-4.5	107	0.00	
9		Diethyl Ether	50.0000	54.0637	-8.1	113	0.00	
10		Freon 123a	50.0000	49.5340	0.9	107	0.00	
11		Freon 123	50.0000	50.7275	-1.5	106	0.00	
12		Acrolein	250.0000	244.5748	2.2	102	0.00	
13		1,1-Diclethene	50.0000	51.9847	-4.0	113	0.00	
14	P	Freon 113	50.0000	54.2322	-8.5	111	0.00	
15	P	Acetone	50.0000	55.2346	-10.5	117	0.00	
16		2-Propanol	1000.0000	1088.7063	-8.9	113	0.00	
17		Iodomethane	50.0000	41.9899	16.0	81	0.00	
18	P	Carbon Disulfide	50.0000	47.4230	5.2	105	0.00	
19		Acetonitrile	250.0000	314.1876	-25.7#	127	0.00	
20		Allyl Chloride	50.0000	51.7475	-3.5	107	0.00	
21	P	Methyl Acetate	50.0000	53.5554	-7.1	116	0.00	
22	P	Methylene Chloride	50.0000	49.9283	0.1	109	0.00	
23		TBA	1000.0000	1044.6858	-4.5	110	-0.01	
24		Acrylonitrile	250.0000	279.0928	-11.6	114	0.00	
25	P	Methyl-t-Butyl Ether	50.0000	49.8250	0.3	104	0.00	
26	P	trans-1,2-Dichloroethene	50.0000	50.6405	-1.3	105	0.00	
27	P	1,1-Diclethane	50.0000	51.9093	-3.8	109	0.00	
28		Vinyl Acetate	50.0000	48.9793	2.0	110	0.00	
29		DIPE	50.0000	52.2586	-4.5	108	0.00	
30		2-Chloro-1,3-Butadiene	50.0000	49.1869	1.6	107	0.00	
31		ETBE	50.0000	49.9784	0.0	103	0.00	
32		2,2-Dichloropropane	50.0000	48.5354	2.9	102	0.00	
33	P	cis-1,2-Dichloroethene	50.0000	50.2597	-0.5	104	0.00	
34	P	2-Butanone	50.0000	56.8679	-13.7	121	0.00	
35		Propionitrile	250.0000	284.0829	-13.6	114	0.00	
36		Bromochloromethane	50.0000	50.2419	-0.5	107	0.00	
37		Methacrylonitrile	50.0000	51.6251	-3.3	114	0.00	
38		Tetrahydrofuran	50.0000	52.0635	-4.1	116	0.00	
39	P	Chloroform	50.0000	49.0887	1.8	104	0.00	
40	P	1,1,1-Trichloroethane	50.0000	49.4339	1.1	104	0.00	
41	i	1,4-Difluorobenzene	50.0000	50.0000	0.0	103	0.00	
42	P	Cyclohexane	50.0000	50.2158	-0.4	108	0.00	
43	s	surr4,Dibrflmethane	50.0000	49.4473	1.1	100	0.00	
44	P	Carbontetrachloride	50.0000	49.9355	0.1	103	0.00	
45		1,1-Dichloropropene	50.0000	50.7202	-1.4	105	0.00	
46	s	surr1,1,2-dichloroethane-d4	50.0000	49.8722	0.3	103	0.00	
47	P	Benzene	50.0000	52.5526	-5.1	107	0.00	
48	P	1,2-Dichloroethane	50.0000	47.8032	4.4	99	0.00	
49		Iso-Butyl Alcohol	1000.0000	1109.9853	-11.0	114	-0.01	
50		TAME	50.0000	47.6624	4.7	98	0.00	
51		n-Heptane	50.0000	59.2409	-18.5	125	0.00	

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\msvoa10\data\051019\
Data File : E0973.D
Acq On : 10 May 2019 9:50 am
Operator : D.LIPANI
Sample : CCV Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 10 10:11:50 2019
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W043019.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 01 13:32:41 2019
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		1-Butanol	2500.0000	2692.5607	-7.7	107	-0.01
53	P	Trichloroethene	50.0000	48.4924	3.0	107	0.00
54	P	Methylcyclohexane	50.0000	51.7522	-3.5	111	0.00
55	P	1,2-Diclpropane	50.0000	52.8905	-5.8	108	0.00
56		Dibromomethane	50.0000	49.6585	0.7	97	0.00
57		1,4-Dioxane	1000.0000	1074.6468	-7.5	112	0.00
58		Methyl Methacrylate	50.0000	53.5545	-7.1	110	0.00
59	P	Bromodichloromethane	50.0000	50.9248	-1.8	103	0.00
60		2-Nitropropane	100.0000	82.8535	17.1	92	0.00
61		2-Chloroethylvinyl Ether	50.0000	54.0903	-8.2	110	0.00
62	P	cis-1,3-Dichloropropene	50.0000	52.7687	-5.5	106	0.00
63	P	4-Methyl-2-pentanone	50.0000	54.8320	-9.7	114	0.00
64	s	SURR3,Toluene-d8	50.0000	48.3087	3.4	101	0.00
65	P	Toluene	50.0000	50.0469	-0.1	101	0.00
66	P	trans-1,3-Dichloropropene	50.0000	51.1637	-2.3	102	0.00
67		Ethyl Methacrylate	50.0000	52.2162	-4.4	108	0.00
68	P	1,1,2-Trichloroethane	50.0000	49.0984	1.8	102	0.00
69	s	SURR2,BFB	50.0000	47.3923	5.2	94	0.00
70	i	d5-Chlorobenzene	50.0000	50.0000	0.0	107	0.00
71	P	Tetrachloroethene	50.0000	48.9374	2.1	103	0.00
72	P	2-Hexanone	50.0000	54.6824	-9.4	118	0.00
73		1,3-Dichloropropane	50.0000	50.7607	-1.5	104	0.00
74	P	Dibromochloromethane	50.0000	48.1115	3.8	101	0.00
75		N-Butyl Acetate	50.0000	52.3248	-4.6	110	0.00
76	P	1,2-Dibromoethane	50.0000	51.2294	-2.5	103	0.00
77		3-Chlorobenzotrifluoride	50.0000	47.5429	4.9	97	0.00
78	P	Chlorobenzene	50.0000	48.0918	3.8	101	0.00
79		4-Chlorobenzotrifluoride	50.0000	47.7515	4.5	99	0.00
80		1,1,1,2-Tetrachloroethane	50.0000	49.9076	0.2	102	0.00
81	P	Ethylbenzene	50.0000	50.2303	-0.5	101	0.00
82	P	(m+p)Xylene	100.0000	96.4035	3.6	98	0.00
83	P	o-Xylene	50.0000	47.9732	4.1	98	0.00
84	P	Styrene	50.0000	49.9143	0.2	98	0.00
85	P	Bromoform	50.0000	48.9197	2.2	98	0.00
86		2-Chlorobenzotrifluoride	50.0000	47.2537	5.5	98	0.00
87	P	Isopropylbenzene	50.0000	48.8256	2.3	99	0.00
88		Cyclohexanone	1000.0000	1151.9461	-15.2	108	0.00
89		trans-1,4-Dichloro-2-Butene	50.0000	52.4212	-4.8	101	0.00
90	i	1,4-Dichlorobenzene-d4	50.0000	50.0000	0.0	100	0.00
91	P	1,1,2,2-Tetrachloroethane	50.0000	50.7952	-1.6	97	0.00
92		Bromobenzene	50.0000	48.5163	3.0	99	0.00
93		1,2,3-Trichloropropane	50.0000	48.3095	3.4	99	0.00
94		n-Propylbenzene	50.0000	49.2296	1.5	96	0.00
95		2-Chlorotoluene	50.0000	48.9417	2.1	95	0.00
96		3-Chlorotoluene	50.0000	45.9797	8.0	93	0.00
97		4-Chlorotoluene	50.0000	48.6311	2.7	94	0.00
98		1,3,5-Trimethylbenzene	50.0000	48.8487	2.3	95	0.00
99		tert-Butylbenzene	50.0000	48.1364	3.7	95	0.00
100		1,2,4-Trimethylbenzene	50.0000	49.2396	1.5	96	0.00
101		3,4-Dichlorobenzotrifluorid	50.0000	47.2474	5.5	99	0.00

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\msvoa10\data\051019\
Data File : E0973.D
Acq On : 10 May 2019 9:50 am
Operator : D.LIPANI
Sample : CCV Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 10 10:11:50 2019
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W043019.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 01 13:32:41 2019
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		sec-Butylbenzene	50.0000	49.9837	0.0	96	0.00
103		p-Isopropyltoluene	50.0000	49.7361	0.5	95	0.00
104	P	1,3-Dclbenz	50.0000	48.2924	3.4	97	0.00
105	P	1,4-Dclbenz	50.0000	47.5498	4.9	96	0.00
106		2,4-Dichlorobenzotrifluorid	50.0000	47.5280	4.9	95	0.00
107		2,5-Dichlorobenzotrifluorid	50.0000	50.2306	-0.5	97	0.00
108		n-Butylbenzene	50.0000	51.3177	-2.6	95	0.00
109	P	1,2-Dclbenz	50.0000	48.4618	3.1	96	0.00
110	P	1,2-Dibromo-3-chloropropane	50.0000	50.2526	-0.5	96	0.00
111		Trielution Dichlorotoluene	150.0000	141.1228	5.9	92	0.00
112		1,3,5-Trichlorobenzene	50.0000	48.2641	3.5	95	0.00
113		Coelution Dichlorotoluene	100.0000	93.2558	6.7	92	0.00
114	P	1,2,4-Tcbenzene	50.0000	50.3968	-0.8	100	0.00
115		Hexachlorobt	50.0000	53.6791	-7.4	105	0.00
116		Naphthalen	50.0000	52.8300	-5.7	97	0.00
117		1,2,3-Tclbenzene	50.0000	51.0067	-2.0	99	0.00
118		2,4,5-Trichlorotoluene	50.0000	49.2483	1.5	96	0.00
119		2,3,6-Trichlorotoluene	50.0000	49.9388	0.1	97	0.00

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\051019\
Data File : E0973.D
Acq On : 10 May 2019 9:50 am
Operator : D.LIPANI
Sample : CCV Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 10 10:11:50 2019
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W043019.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 01 13:32:41 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.385	168	269422	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.488	114	423955	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.805	117	380191	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.853	152	202021	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.238	113	137317	49.45	ug/L	0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 98.90%			
46) surr1,1,2-dichloroetha...	5.781	65	195310	49.87	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 99.74%			
64) SURR3,Toluene-d8	8.311	98	555259	48.31	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 96.62%			
69) SURR2,BFB	10.878	95	210770	47.39	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 94.78%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.154	85	264300	68.60	ug/L	97
3) Chloromethane	1.282	50	298896	56.74	ug/L	98
4) Vinyl Chloride	1.355	62	277221	56.98	ug/L	99
5) Bromomethane	1.581	94	132099	39.48	ug/L	99
6) Chloroethane	1.660	64	145882	49.54	ug/L	97
7) Freon 21	1.806	67	326362	47.11	ug/L	97
8) Trichlorofluoromethane	1.855	101	244802	52.24	ug/L	99
9) Diethyl Ether	2.093	59	167875	54.06	ug/L	99
10) Freon 123a	2.093	67	198262	49.53	ug/L	97
11) Freon 123	2.148	83	214704	50.73	ug/L	95
12) Acrolein	2.190	56	192080	244.57	ug/L	95
13) 1,1-Diclethene	2.282	96	149002	51.98	ug/L	92
14) Freon 113	2.288	101	141610	54.23	ug/L	100
15) Acetone	2.324	43	105873	55.23	ug/L	98
16) 2-Propanol	2.458	45	434990	1088.71	ug/L	99
17) Iodomethane	2.416	142	156243	41.99	ug/L	96
18) Carbon Disulfide	2.477	76	407151	47.42	ug/L	98
19) Acetonitrile	2.574	41	210705	314.19	ug/L	95
20) Allyl Chloride	2.611	76	88486	51.75	ug/L #	86
21) Methyl Acetate	2.635	43	214349	53.56	ug/L	98
22) Methylene Chloride	2.733	84	168926	49.93	ug/L	95
23) TBA	2.861	59	625728	1044.69	ug/L	98
24) Acrylonitrile	2.989	53	515951	279.09	ug/L	96
25) Methyl-t-Butyl Ether	3.038	73	543283	49.82	ug/L	99
26) trans-1,2-Dichloroethene	3.025	96	153212	50.64	ug/L	97
27) 1,1-Diclethane	3.525	63	332460	51.91	ug/L	100
28) Vinyl Acetate	3.617	86	34218	48.98	ug/L #	89
29) DIPE	3.653	45	624125	52.26	ug/L	98
30) 2-Chloro-1,3-Butadiene	3.653	53	249440	49.19	ug/L	99
31) ETBE	4.184	59	527961	49.98	ug/L	96
32) 2,2-Dichloropropane	4.361	77	256112	48.54	ug/L	95
33) cis-1,2-Dichloroethene	4.367	96	167785	50.26	ug/L	98
34) 2-Butanone	4.409	43	139298	56.87	ug/L	99
35) Propionitrile	4.495	54	207027	284.08	ug/L	92
36) Bromochloromethane	4.769	130	98708	50.24	ug/L	93
37) Methacrylonitrile	4.769	67	98423	51.63	ug/L #	84
38) Tetrahydrofuran	4.854	42	89073	52.06	ug/L	98
39) Chloroform	4.946	83	277562	49.09	ug/L	94
40) 1,1,1-Trichloroethane	5.244	97	233705	49.43	ug/L	92

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\051019\
Data File : E0973.D
Acq On : 10 May 2019 9:50 am
Operator : D.LIPANI
Sample : CCV Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 10 10:11:50 2019
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W043019.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 01 13:32:41 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Cyclohexane	5.336	41	190511	50.22	ug/L	94
44) Carbontetrachloride	5.531	117	186757	49.94	ug/L	97
45) 1,1-Dichloropropene	5.543	75	225915	50.72	ug/L	99
47) Benzene	5.860	78	684824	52.55	ug/L	98
48) 1,2-Dichloroethane	5.897	62	248659	47.80	ug/L	93
49) Iso-Butyl Alcohol	5.879	43	314791	1109.99	ug/L	95
50) TAME	6.098	73	456345	47.66	ug/L	96
51) n-Heptane	6.354	43	286971	59.24	ug/L	95
52) 1-Butanol	6.848	56	433294	2692.56	ug/L	98
53) Trichloroethene	6.817	130	157115	48.49	ug/L	95
54) Methylcyclohexane	7.055	55	235781	51.75	ug/L	95
55) 1,2-Diclpropane	7.098	63	191660	52.89	ug/L	96
56) Dibromomethane	7.244	93	103150	49.66	ug/L	90
57) 1,4-Dioxane	7.299	88	64079	1074.65	ug/L	96
58) Methyl Methacrylate	7.329	69	154652	53.55	ug/L	97
59) Bromodichloromethane	7.470	83	208263	50.92	ug/L	97
60) 2-Nitropropane	7.750	41	106090	82.85	ug/L	94
61) 2-Chloroethylvinyl Ether	7.878	63	102544	54.09	ug/L	97
62) cis-1,3-Dichloropropene	8.012	75	286703	52.77	ug/L	100
63) 4-Methyl-2-pentanone	8.220	43	255000	54.83	ug/L	99
65) Toluene	8.384	91	685980	50.05	ug/L	97
66) trans-1,3-Dichloropropene	8.652	75	256737	51.16	ug/L	98
67) Ethyl Methacrylate	8.799	69	271667	52.22	ug/L	95
68) 1,1,2-Trichloroethane	8.841	97	149848	49.10	ug/L	98
71) Tetrachloroethene	8.975	164	119495	48.94	ug/L	98
72) 2-Hexanone	9.134	43	200920	54.68	ug/L	93
73) 1,3-Dichloropropane	9.012	76	279115	50.76	ug/L	95
74) Dibromochloromethane	9.238	129	144155	48.11	ug/L	97
75) N-Butyl Acetate	9.286	43	377102	52.32	ug/L	99
76) 1,2-Dibromoethane	9.335	107	157433	51.23	ug/L	99
77) 3-Chlorobenzotrifluoride	9.847	180	207597	47.54	ug/L	97
78) Chlorobenzene	9.829	112	412296	48.09	ug/L	99
79) 4-Chlorobenzotrifluoride	9.902	180	185810	47.75	ug/L	99
80) 1,1,1,2-Tetrachloroethane	9.914	131	144087	49.91	ug/L	96
81) Ethylbenzene	9.951	106	225528	50.23	ug/L	98
82) (m+p)Xylene	10.061	106	556575	96.40	ug/L	96
83) o-Xylene	10.420	106	269561	47.97	ug/L	100
84) Styrene	10.432	104	468311	49.91	ug/L	98
85) Bromoform	10.585	173	98905	48.92	ug/L	95
86) 2-Chlorobenzotrifluoride	10.664	180	204923	47.25	ug/L	99
87) Isopropylbenzene	10.756	105	710919	48.83	ug/L	99
88) Cyclohexanone	10.817	55	929695	1151.95	ug/L	100
89) trans-1,4-Dichloro-2-B...	11.060	53	67917	52.42	ug/L	97
91) 1,1,2,2-Tetrachloroethane	11.012	83	230762	50.80	ug/L	98
92) Bromobenzene	10.999	156	173500	48.52	ug/L	98
93) 1,2,3-Trichloropropane	11.042	110	65387	48.31	ug/L	97
94) n-Propylbenzene	11.109	91	881857	49.23	ug/L	99
95) 2-Chlorotoluene	11.170	91	517206	48.94	ug/L	97
96) 3-Chlorotoluene	11.225	91	482160	45.98	ug/L	97
97) 4-Chlorotoluene	11.268	91	600596	48.63	ug/L	99
98) 1,3,5-Trimethylbenzene	11.262	105	596957	48.85	ug/L	99
99) tert-Butylbenzene	11.536	119	496986	48.14	ug/L	99
100) 1,2,4-Trimethylbenzene	11.573	105	599555	49.24	ug/L	97
101) 3,4-Dichlorobenzotrifl...	11.633	214	174842	47.25	ug/L	97
102) sec-Butylbenzene	11.719	105	781819	49.98	ug/L	99
103) p-Isopropyltoluene	11.841	119	634544	49.74	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\051019\
Data File : E0973.D
Acq On : 10 May 2019 9:50 am
Operator : D.LIPANI
Sample : CCV Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 10 10:11:50 2019
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W043019.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 01 13:32:41 2019
Response via : Initial Calibration

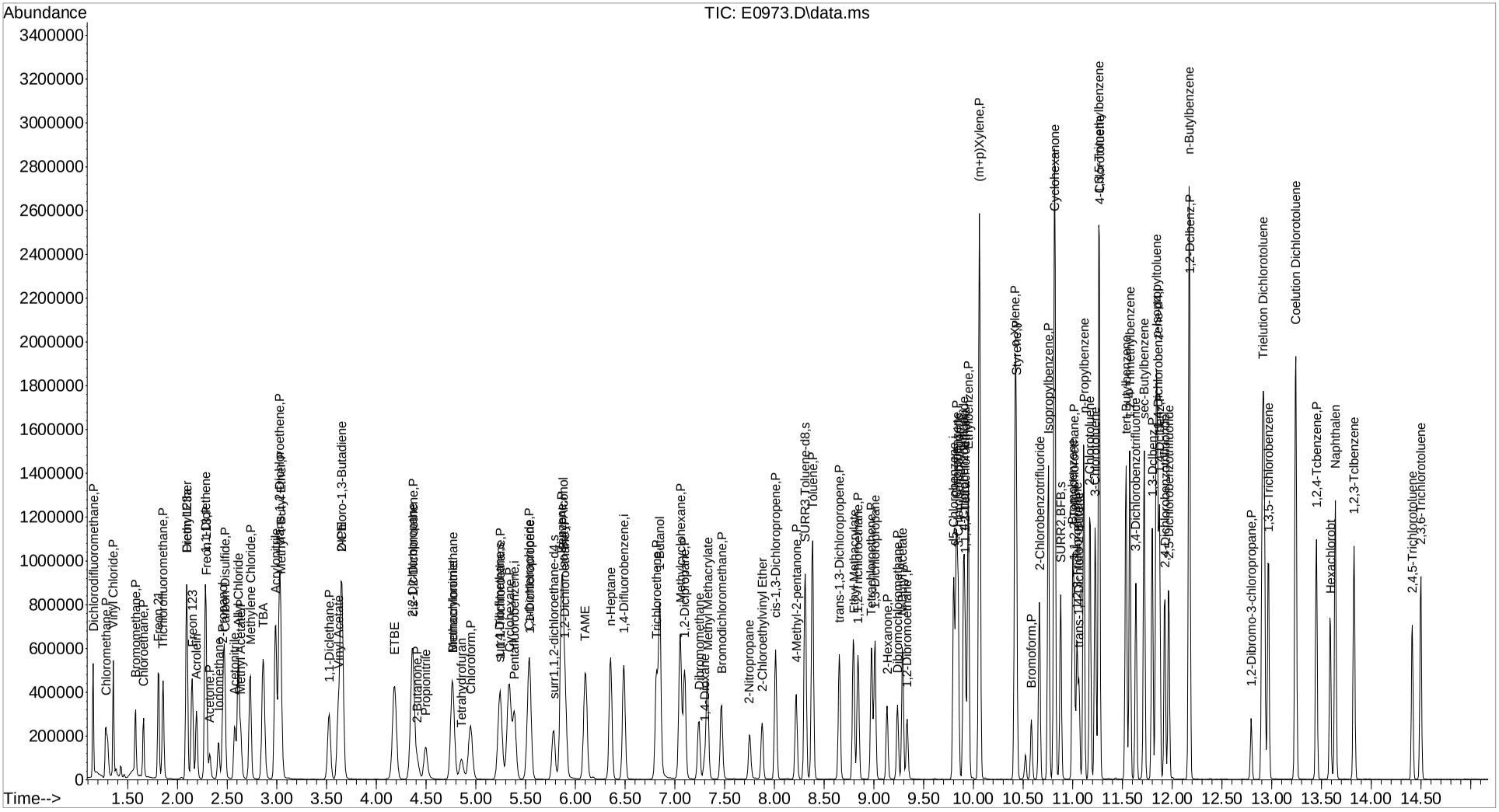
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3-Dclbenz	11.798	146	334074	48.29	ug/L	97
105) 1,4-Dclbenz	11.871	146	338322	47.55	ug/L	97
106) 2,4-Dichlorobenzotrifl...	11.926	214	159462	47.53	ug/L	97
107) 2,5-Dichlorobenzotrifl...	11.963	214	176677	50.23	ug/L	97
108) n-Butylbenzene	12.170	91	651947	51.32	ug/L	99
109) 1,2-Dclbenz	12.176	146	331758	48.46	ug/L	96
110) 1,2-Dibromo-3-chloropr...	12.792	157	48842	50.25	ug/L	98
111) Trielution Dichlorotol...	12.914	125	839220	141.12	ug/L	99
112) 1,3,5-Trichlorobenzene	12.969	180	238052	48.26	ug/L	97
113) Coelution Dichlorotoluene	13.243	125	605805	93.26	ug/L	95
114) 1,2,4-Tcbenzene	13.450	180	256170	50.40	ug/L	97
115) Hexachlorobt	13.590	225	113132	53.68	ug/L	99
116) Naphthalen	13.639	128	710934	52.83	ug/L	99
117) 1,2,3-Tclbenzene	13.828	180	250085	51.01	ug/L	99
118) 2,4,5-Trichlorotoluene	14.413	159	141862	49.25	ug/L	96
119) 2,3,6-Trichlorotoluene	14.499	159	163904	49.94	ug/L	98

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\051019\
Data File : E0973.D
Acq On : 10 May 2019 9:50 am
Operator : D.LIPANI
Sample : CCV Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 10 10:11:50 2019
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W043019.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 01 13:32:41 2019
Response via : Initial Calibration



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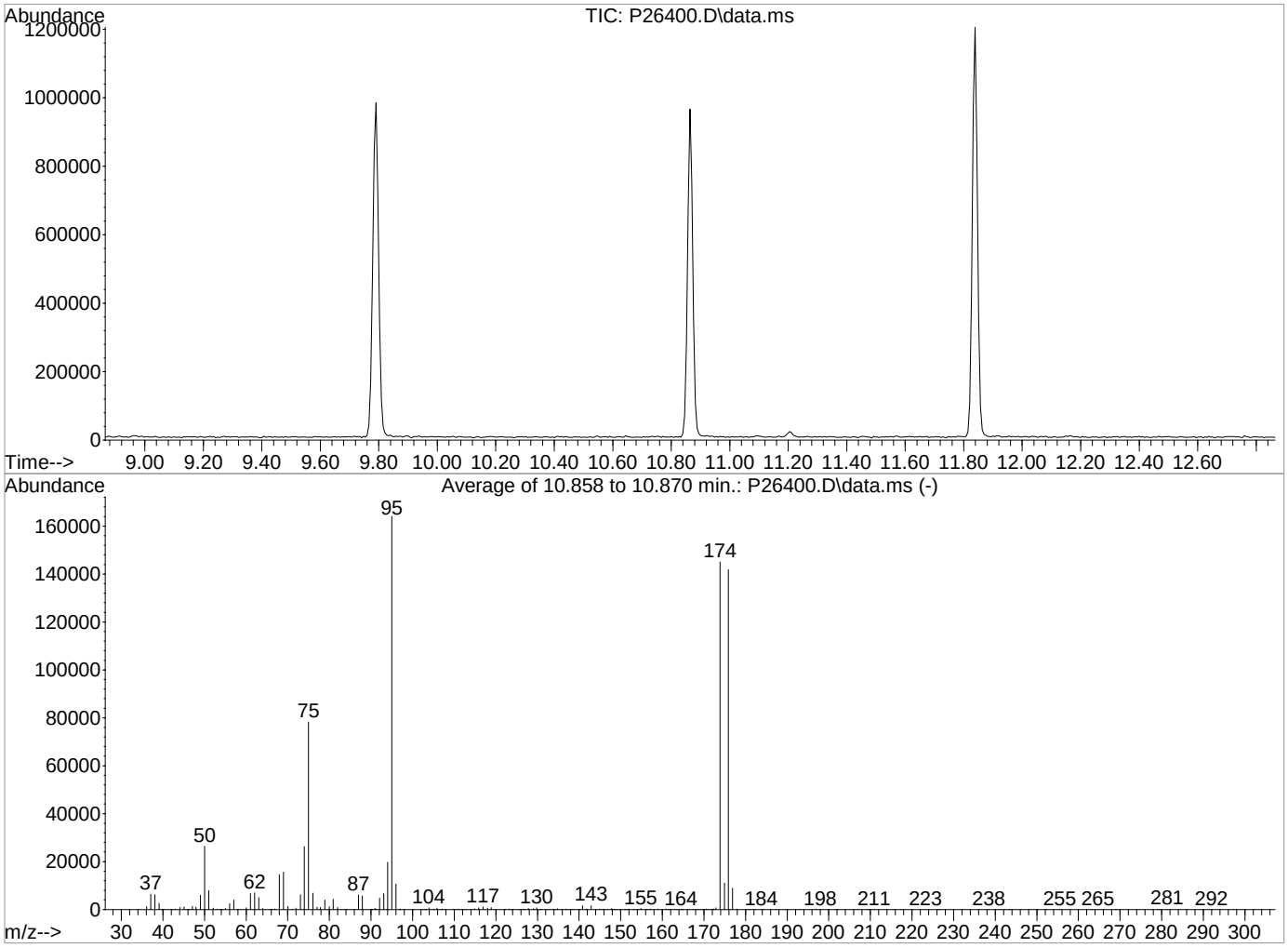
1st DL 05/13/19
2nd FJ 05/13/19

1st 05/06/19
2nd 05/08/19

Data Path : I:\ACQUDATA\msvoa12\Data\050619\
Data File : P26400.D
Acq On : 6 May 2019 10:18 am
Operator : K.Ruest
Sample : TUNE Inst : MSVOA-12
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File: INTP90.P

Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Title : MS#12 - 8260B WATERS 10mL Purge
Last Update : Thu May 02 11:39:03 2019



AutoFind: Scans 1601, 1602, 1603; Background Corrected with Scan 1592

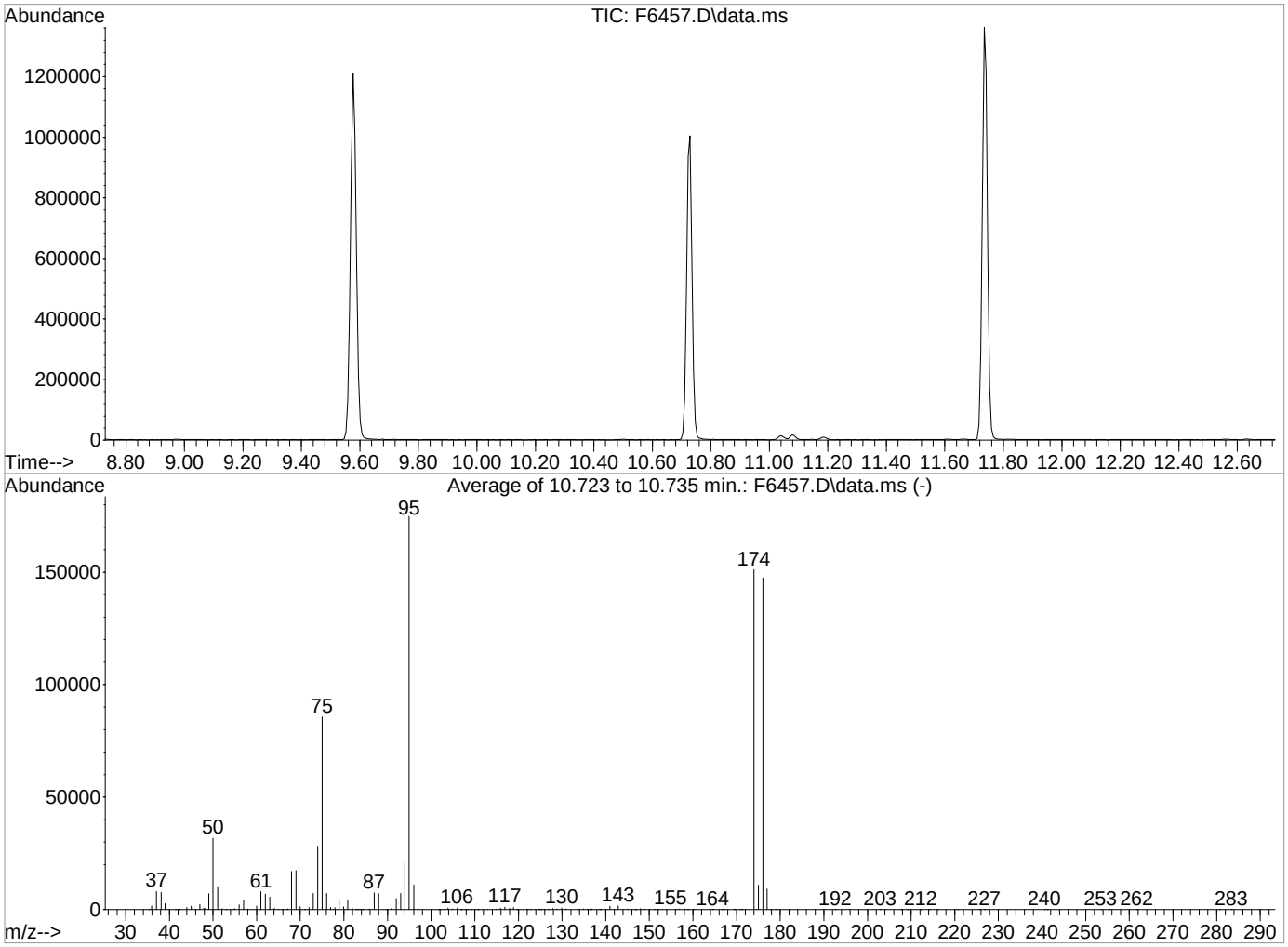
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.1	26396	PASS
75	95	30	60	47.7	78224	PASS
95	95	100	100	100.0	164139	PASS
96	95	5	9	6.5	10630	PASS
173	174	0.00	2	0.5	725	PASS
174	95	50	120	88.4	145035	PASS
175	174	5	9	7.6	10958	PASS
176	174	95	101	97.8	141849	PASS
177	176	5	9	6.3	8870	PASS

1st FW 05/06/19
2nd WR 05/08/19

Data Path : I:\ACQUDATA\MSVOA14\Data\050419\
Data File : F6457.D
Acq On : 4 May 2019 3:47 pm
Operator : F.NAEGLER
Sample : TUNE Inst : MSVOA14
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: CPD4.P

Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
Title : MS#14 - 8260 SOILS 10ml PURGE
Last Update : Mon Apr 22 10:00:17 2019



AutoFind: Scans 1597, 1598, 1599; Background Corrected with Scan 1591

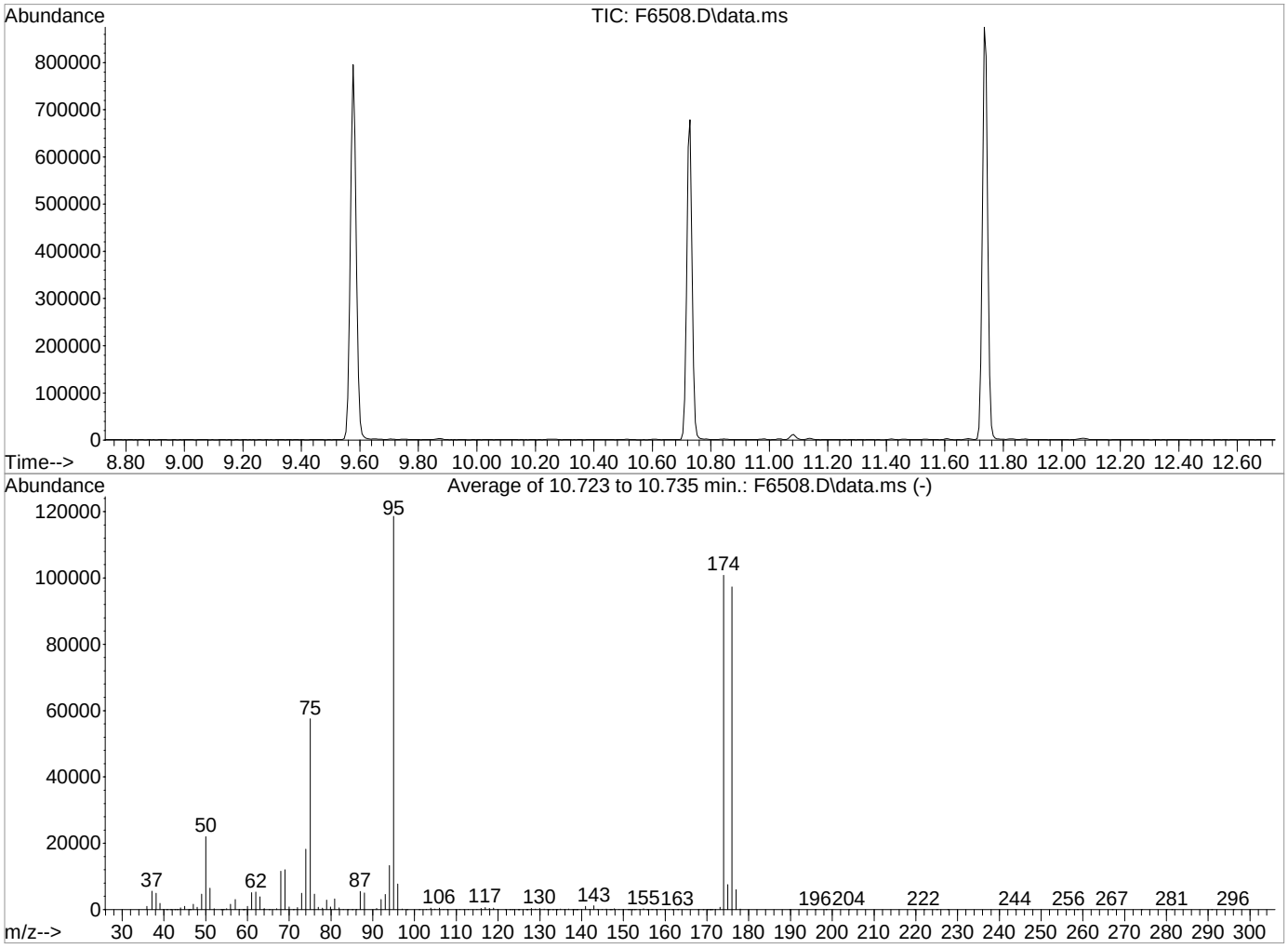
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.2	31773	PASS
75	95	30	60	49.0	85693	PASS
95	95	100	100	100.0	174841	PASS
96	95	5	9	6.3	10992	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	86.4	151093	PASS
175	174	5	9	7.2	10887	PASS
176	174	95	101	97.6	147408	PASS
177	176	5	9	6.2	9135	PASS

1st FW 05/08/19
2nd WR 05/10/19

Data Path : I:\ACQUDATA\MSVOA14\Data\050819\
Data File : F6508.D
Acq On : 8 May 2019 2:21 pm
Operator : F.NAEGLER
Sample : TUNE Inst : MSVOA14
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: CPD4.P

Method : I:\ACQUDATA\MSVOA14\Methods\W032619.m
Title : MS#14 - 8260 WATERS 5mL Purge
Last Update : Tue Mar 26 16:08:17 2019



AutoFind: Scans 1597, 1598, 1599; Background Corrected with Scan 1591

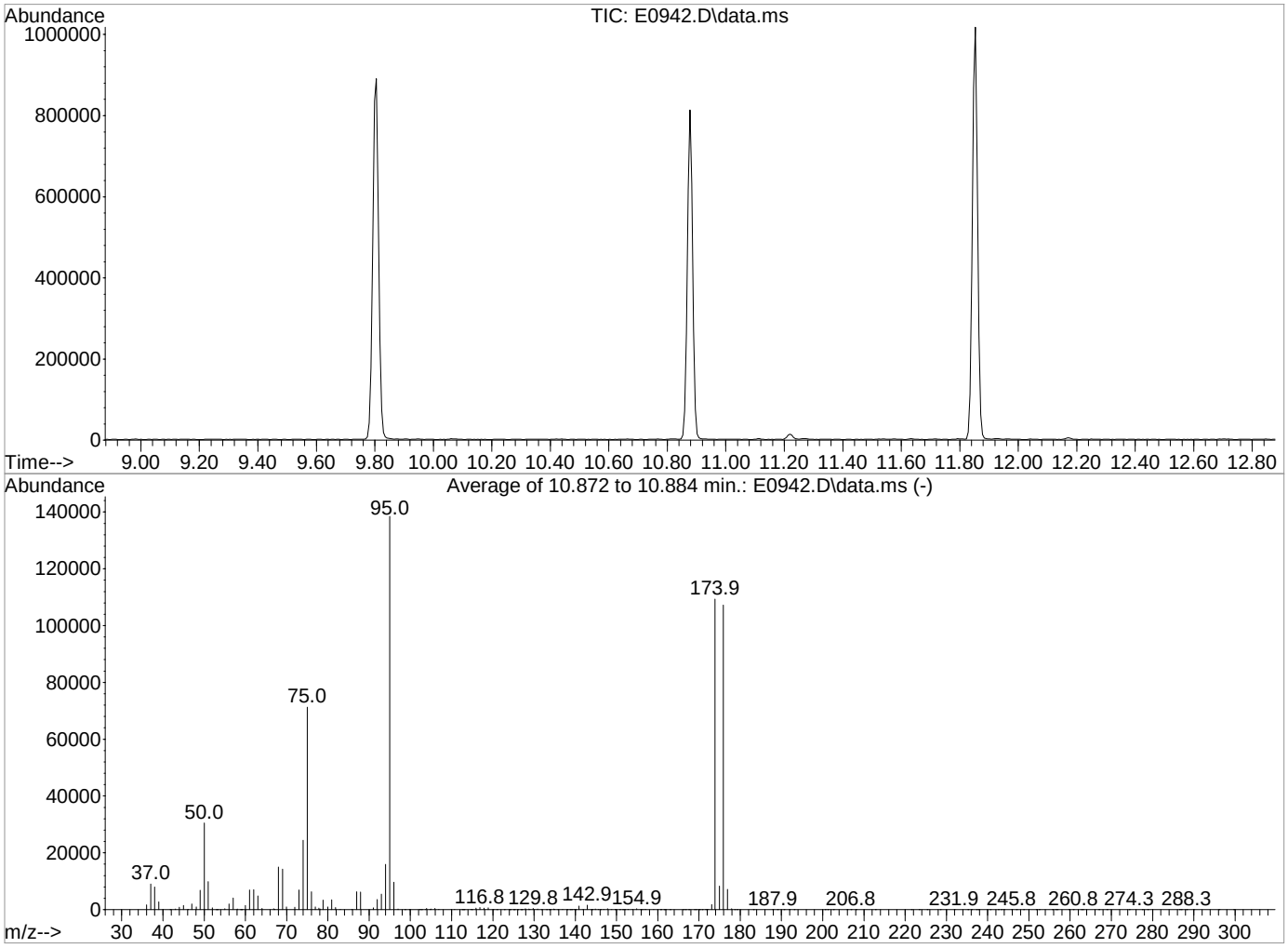
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.5	21993	PASS
75	95	30	60	48.6	57568	PASS
95	95	100	100	100.0	118565	PASS
96	95	5	9	6.5	7688	PASS
173	174	0.00	2	0.7	700	PASS
174	95	50	120	85.0	100827	PASS
175	174	5	9	7.5	7519	PASS
176	174	95	101	96.5	97280	PASS
177	176	5	9	6.2	5998	PASS

1st DL 05/08/19
2nd FJ 05/13/19

Data Path : I:\ACQUDATA\msvoa10\data\050819\
Data File : E0942.D
Acq On : 8 May 2019 9:37 am
Operator : D.LIPANI
Sample : TUNE CHECK Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: RTEINT.P

Method : I:\ACQUDATA\MSVOA10\METHODS\W043019.M
Title : MS#10 - 8260B WATERS 5.0mL Purge
Last Update : Wed May 01 13:32:41 2019



AutoFind: Scans 1605, 1606, 1607; Background Corrected with Scan 1595

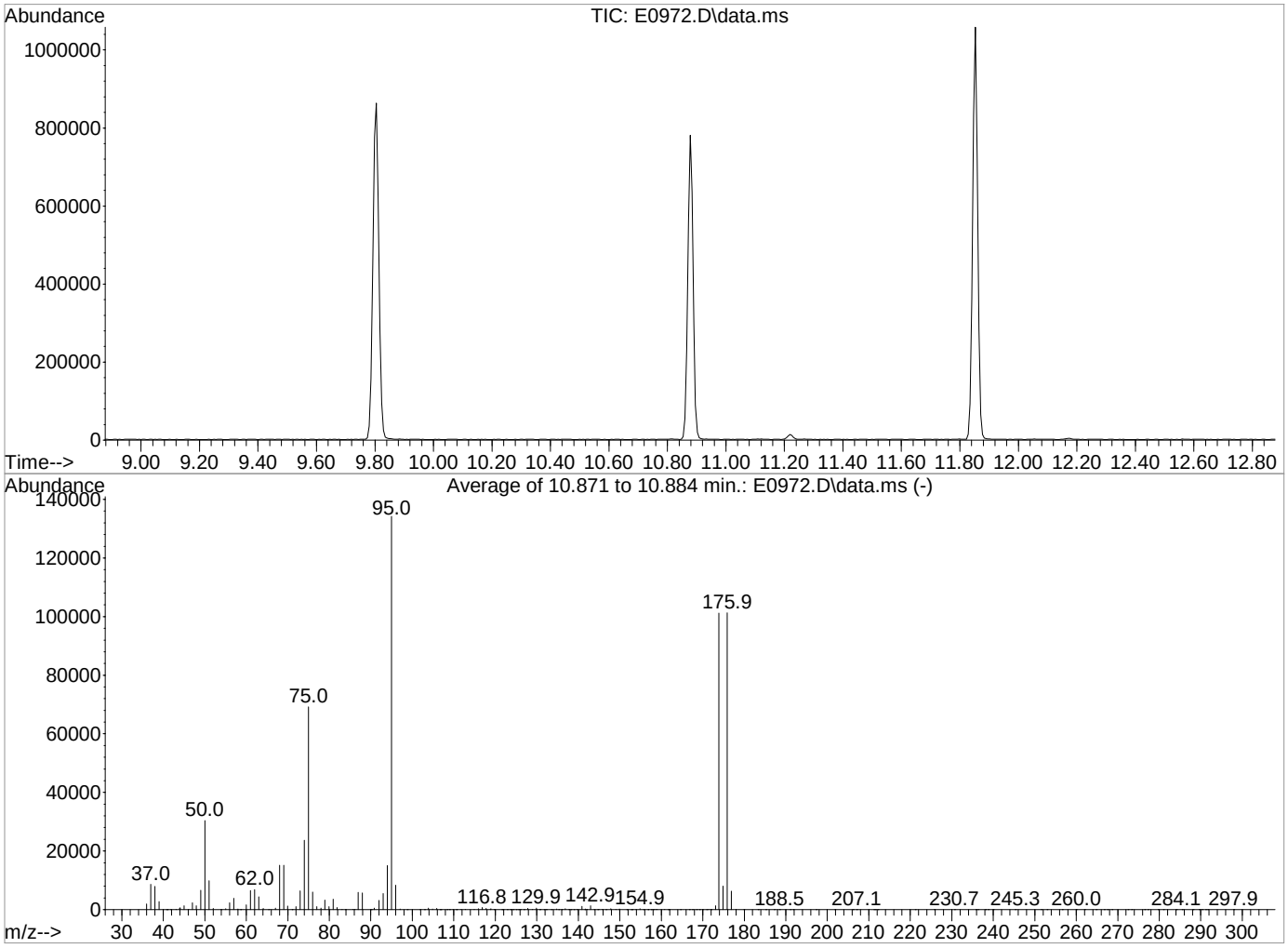
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.0	30517	PASS
75	95	30	60	51.5	71293	PASS
95	95	100	100	100.0	138464	PASS
96	95	5	9	6.9	9617	PASS
173	174	0.00	2	1.6	1782	PASS
174	95	50	120	79.0	109336	PASS
175	174	5	9	7.6	8271	PASS
176	174	95	101	98.1	107281	PASS
177	176	5	9	6.7	7158	PASS

BFB

Data Path : I:\ACQUDATA\msvoa10\data\051019\
Data File : E0972.D
Acq On : 10 May 2019 9:15 am
Operator : D.LIPANI
Sample : TUNE CHECK Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: RTEINT.P

Method : I:\ACQUDATA\MSVOA10\METHODS\W043019.M
Title : MS#10 - 8260B WATERS 5.0mL Purge
Last Update : Wed May 01 13:32:41 2019



AutoFind: Scans 1605, 1606, 1607; Background Corrected with Scan 1598

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.7	30413	PASS
75	95	30	60	51.5	69149	PASS
95	95	100	100	100.0	134213	PASS
96	95	5	9	6.2	8321	PASS
173	174	0.00	2	1.3	1365	PASS
174	95	50	120	75.4	101237	PASS
175	174	5	9	7.9	8029	PASS
176	174	95	101	100.0	101283	PASS
177	176	5	9	6.2	6329	PASS

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\041919\
Data File : F6050.D
Acq On : 19 Apr 2019 4:31 pm
Operator : F.NAEGLER
Sample : 50 PPB ICV Inst : MSVOA14
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 22 10:42:00 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
Quant Title : MS#14 - 8260 SOILS 10ml PURGE
QLast Update : Mon Apr 22 10:00:17 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	4.687	168	363702	50.00	ug/L		0.00
42) 1,4-Difluorobenzene	5.937	114	572971	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.577	117	497483	50.00	ug/L		0.00
87) 1,4-Dichlorobenzene-d4	11.735	152	264824	50.00	ug/L		0.00
System Monitoring Compounds							
44) SURR4,Dibrflmethane	4.535	113	172319	50.63	ug/L		0.00
Spiked Amount 50.000	Range 63 - 138		Recovery = 101.26%				
47) SURR1,1,2-dichloroetha...	5.114	65	204992	50.03	ug/L		0.00
Spiked Amount 50.000	Range 67 - 128		Recovery = 100.06%				
64) SURR3,Toluene-d8	7.949	98	689893	49.64	ug/L		0.00
Spiked Amount 50.000	Range 66 - 138		Recovery = 99.28%				
69) SURR2,BFB	10.729	95	268802	48.34	ug/L		0.00
Spiked Amount 50.000	Range 31 - 154		Recovery = 96.68%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.042	85	192847	41.57	ug/L		99
3) Chloromethane	1.151	50	193599	41.67	ug/L		99
4) Vinyl Chloride	1.218	62	182607	41.76	ug/L		98
5) Bromomethane	1.414	94	113593	48.83	ug/L		100
6) Chloroethane	1.481	64	94544	37.11	ug/L		94
7) Freon 21	1.603	67	286781	43.96	ug/L		97
8) Trichlorofluoromethane	1.645	101	210416	41.51	ug/L		98
9) Diethyl Ether	1.846	59	156396	48.99	ug/L		98
10) Freon 123a	1.846	67	188346	45.94	ug/L		100
11) Freon 123	1.889	83	230606	49.79	ug/L		99
12) Acrolein	1.926	56	70779	96.37	ug/L		99
13) 1,1-Diclethene	2.005	96	133989	42.97	ug/L		96
14) Freon 113	2.011	101	131194	41.73	ug/L		92
15) Acetone	2.042	43	82726	58.45	ug/L		85
16) 2-Propanol	2.157	45	310887	1082.04	ug/L		96
17) Iodomethane	2.121	142	185164	41.18	ug/L		94
18) Carbon Disulfide	2.170	76	419488	44.54	ug/L		98
19) Acetonitrile	2.255	40	55585m	266.45	ug/L		
20) Allyl Chloride	2.291	76	76906	44.50	ug/L	#	86
21) Methyl Acetate	2.310	43	137846	49.48	ug/L		96
22) Methylene Chloride	2.389	84	170288	47.48	ug/L		92
23) TBA	2.505	59	542081	1071.31	ug/L		96
24) Acrylonitrile	2.602	53	355385	261.51	ug/L		100
25) Methyl-t-Butyl Ether	2.657	73	544472	51.10	ug/L		99
26) trans-1,2-Dichloroethene	2.645	96	153686	44.32	ug/L		96
27) 1,1-Diclethane	3.066	63	292108	45.36	ug/L		97
28) Vinyl Acetate	3.145	86	39225	58.49	ug/L	#	87
29) DIPE	3.182	45	576654	51.39	ug/L		95
30) 2-Chloro-1,3-Butadiene	3.175	53	206299	44.49	ug/L		99
31) ETBE	3.639	59	508728	48.84	ug/L		98
32) 2,2-Dichloropropane	3.779	77	215573	43.48	ug/L		96
33) cis-1,2-Dichloroethene	3.785	96	181830	46.25	ug/L		96
34) 2-Butanone	3.828	43	102790	53.39	ug/L		94
35) Propionitrile	3.889	54	140449	262.62	ug/L		97
36) Bromochloromethane	4.120	130	114607	47.23	ug/L	#	86
37) Methacrylonitrile	4.120	67	79990	51.07	ug/L		90
38) Tetrahydrofuran	4.212	42	63490	52.05	ug/L		92
39) Chloroform	4.273	83	286867	46.06	ug/L		95
40) 1,1,1-Trichloroethane	4.547	97	223324	44.10	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\041919\
Data File : F6050.D
Acq On : 19 Apr 2019 4:31 pm
Operator : F.NAEGLER
Sample : 50 PPB ICV Inst : MSVOA14
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 22 10:42:00 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
Quant Title : MS#14 - 8260 SOILS 10ml PURGE
QLast Update : Mon Apr 22 10:00:17 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) TAME	5.510	73	520767	53.35	ug/L	95
43) Cyclohexane	4.639	41	159249	46.39	ug/L	87
45) Carbontetrachloride	4.840	121	52587	42.46	ug/L	84
46) 1,1-Dichloropropene	4.852	75	203929	43.56	ug/L	96
48) Benzene	5.218	78	633088	44.01	ug/L	96
49) 1,2-Dichloroethane	5.260	62	238442	47.38	ug/L	97
50) Iso-Butyl Alcohol	5.260	43	212362	1089.45	ug/L	96
51) n-Heptane	5.803	43	208055	43.05	ug/L	97
52) 1-Butanol	6.370	56	354471	2866.31	ug/L	94
53) Trichloroethene	6.303	130	182768	45.22	ug/L	96
54) Methylcyclohexane	6.565	55	235051	47.98	ug/L	95
55) 1,2-Diclpropane	6.608	63	181259	47.15	ug/L	99
56) Dibromomethane	6.760	93	107814	46.31	ug/L	96
57) 1,4-Dioxane	6.845	88	59748	1098.68	ug/L	95
58) Methyl Methacrylate	6.888	69	138857	52.46	ug/L	98
59) Bromodichloromethane	7.022	83	212924	47.02	ug/L	96
60) 2-Nitropropane	7.333	41	95913	113.44	ug/L	95
61) 2-Chloroethylvinyl Ether	7.486	63	46834	54.43	ug/L	96
62) cis-1,3-Dichloropropene	7.626	75	287075	48.41	ug/L	96
63) 4-Methyl-2-pentanone	7.864	43	191272	53.07	ug/L	96
65) Toluene	8.028	91	685539	43.88	ug/L	99
66) trans-1,3-Dichloropropene	8.327	75	254185	49.85	ug/L	99
67) Ethyl Methacrylate	8.504	69	251960	52.62	ug/L	92
68) 1,1,2-Trichloroethane	8.528	97	157488	46.74	ug/L	93
71) Tetrachloroethene	8.668	164	124073	41.61	ug/L	95
72) 2-Hexanone	8.869	43	141331	53.85	ug/L	93
73) 1,3-Dichloropropane	8.711	76	281327	48.04	ug/L	97
74) Dibromochloromethane	8.961	129	153835	48.62	ug/L	98
75) N-Butyl Acetate	9.052	43	296372	55.76	ug/L	91
76) 1,2-Dibromoethane	9.058	107	163069	48.57	ug/L	99
77) Chlorobenzene	9.607	112	449666	44.74	ug/L	97
78) 1,1,1,2-Tetrachloroethane	9.705	131	159164	48.33	ug/L	98
79) Ethylbenzene	9.747	106	236934	44.65	ug/L	98
80) (m+p)Xylene	9.869	106	584240	89.48	ug/L	98
81) o-Xylene	10.247	106	291894	45.52	ug/L	96
82) Styrene	10.259	104	504846	47.41	ug/L	99
83) Bromoform	10.412	173	91360	49.45	ug/L	99
84) Isopropylbenzene	10.607	105	726417	43.43	ug/L	99
85) Cyclohexanone	10.656	55	710894	1116.80	ug/L	92
86) trans-1,4-Dichloro-2-B...	10.930	53	53470	53.47	ug/L	88
88) 1,1,2,2-Tetrachloroethane	10.881	83	191430	46.28	ug/L	97
89) Bromobenzene	10.845	156	198602	44.87	ug/L	98
90) 1,2,3-Trichloropropane	10.900	110	67807	48.24	ug/L	94
91) n-Propylbenzene	10.979	91	860997	42.58	ug/L	99
92) 2-Chlorotoluene	11.034	91	530128	43.48	ug/L	96
93) 4-Chlorotoluene	11.131	91	606502	43.36	ug/L	96
94) 1,3,5-Trimethylbenzene	11.143	105	624360	44.30	ug/L	98
95) tert-Butylbenzene	11.418	119	528842	42.45	ug/L	98
96) 1,2,4-Trimethylbenzene	11.460	105	641374	45.21	ug/L	98
97) sec-Butylbenzene	11.607	105	800641	42.23	ug/L	98
98) p-Isopropyltoluene	11.735	119	671009	42.95	ug/L	99
99) 1,3-Dclbenz	11.680	146	371568	43.35	ug/L	98
100) 1,4-Dclbenz	11.759	146	377101	43.43	ug/L	96
101) n-Butylbenzene	12.076	91	634576	43.57	ug/L	96
102) 1,2-Dclbenz	12.064	146	361410	44.54	ug/L	98
103) 1,2-Dibromo-3-chloropr...	12.698	157	39149	51.99	ug/L	92

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\041919\
Data File : F6050.D
Acq On : 19 Apr 2019 4:31 pm
Operator : F.NAEGLER
Sample : 50 PPB ICV Inst : MSVOA14
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 22 10:42:00 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
Quant Title : MS#14 - 8260 SOILS 10ml PURGE
QLast Update : Mon Apr 22 10:00:17 2019
Response via : Initial Calibration

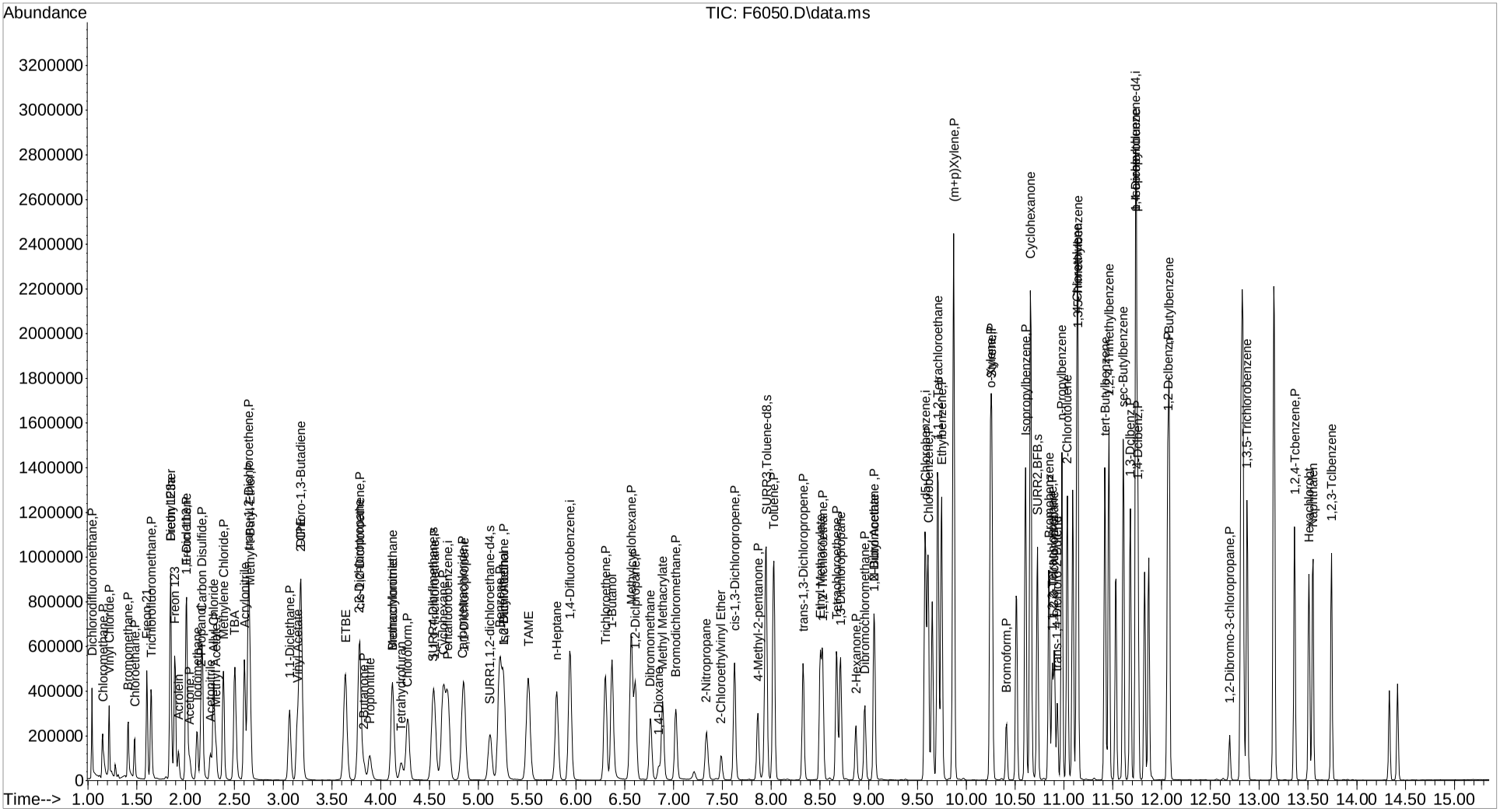
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3,5-Trichlorobenzene	12.875	180	283441	49.41	ug/L	99
105) 1,2,4-Tcbenzene	13.362	180	255540	49.42	ug/L	98
106) Hexachlorobt	13.509	225	130359	43.93	ug/L	98
107) Naphthalen	13.551	128	577704	52.92	ug/L	98
108) 1,2,3-Tclbenzene	13.740	180	223305	51.87	ug/L	98

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\041919\
Data File : F6050.D
Acq On : 19 Apr 2019 4:31 pm
Operator : F.NAEGLER
Sample : 50 PPB ICV Inst : MSVOA14
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 22 10:42:00 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
Quant Title : MS#14 - 8260 SOILS 10ml PURGE
QLast Update : Mon Apr 22 10:00:17 2019
Response via : Initial Calibration



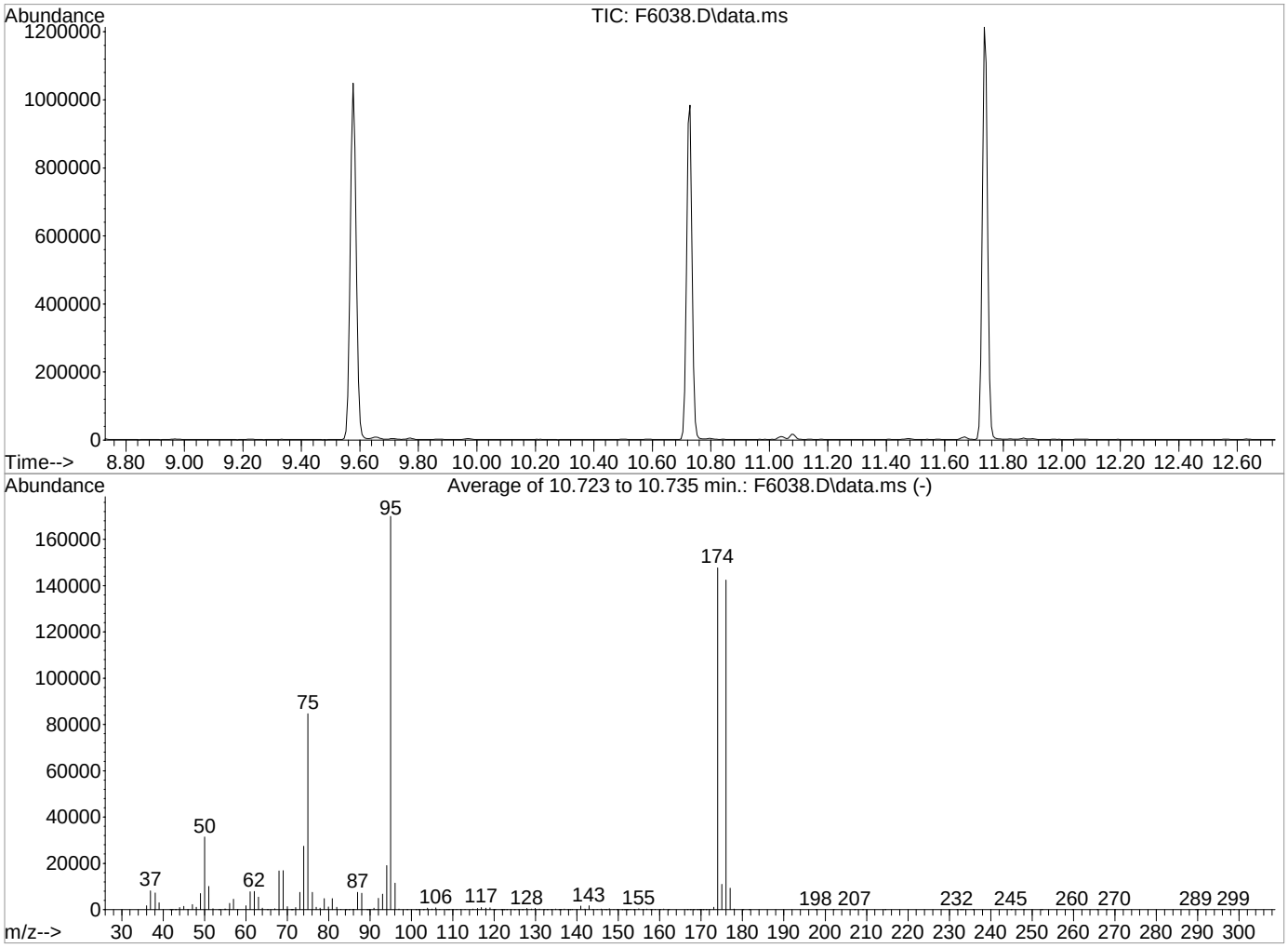
1st FJ 04/22/19
2nd 04/22/19

1st FJ 04/22/19
2nd 04/22/19

Data Path : I:\ACQUDATA\MSVOA14\Data\041919\
Data File : F6038.D
Acq On : 19 Apr 2019 11:22 am
Operator : F.NAEGLER
Sample : TUNE Inst : MSVOA14
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File: CPD4.P

Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
Title : MS#14 - 8260 SOILS 10ml PURGE
Last Update : Wed Mar 06 09:14:26 2019



AutoFind: Scans 1597, 1598, 1599; Background Corrected with Scan 1591

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.5	31403	PASS
75	95	30	60	49.8	84679	PASS
95	95	100	100	100.0	169907	PASS
96	95	5	9	6.8	11506	PASS
173	174	0.00	2	0.7	1022	PASS
174	95	50	120	86.9	147664	PASS
175	174	5	9	7.4	10947	PASS
176	174	95	101	96.4	142363	PASS
177	176	5	9	6.5	9320	PASS

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\041919\
Data File : F6039.D
Acq On : 19 Apr 2019 11:45 am
Operator : F.NAEGLER
Sample : ICAL BLK Inst : MSVOA14
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 22 10:39:56 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
Quant Title : MS#14 - 8260 SOILS 10ml PURGE
QLast Update : Mon Apr 22 10:00:17 2019
Response via : Initial Calibration

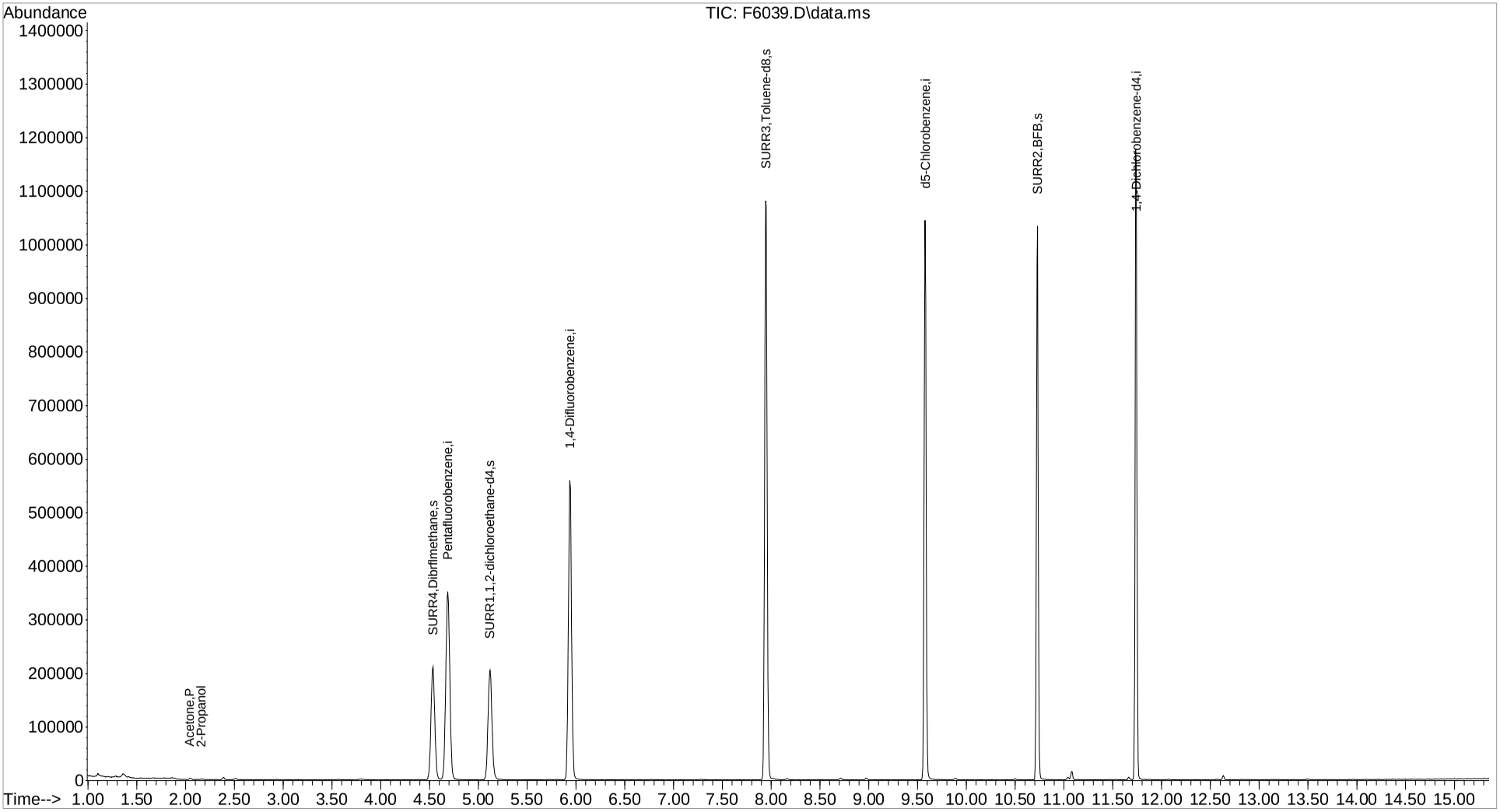
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.687	168	356707	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	5.937	114	552577	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.577	117	476893	50.00	ug/L	0.00
87) 1,4-Dichlorobenzene-d4	11.741	152	237094	50.00	ug/L	0.00
System Monitoring Compounds						
44) SURR4,Dibrflmethane	4.535	113	174242	53.08	ug/L	0.00
Spiked Amount 50.000	Range 63 - 138		Recovery = 106.16%			
47) SURR1,1,2-dichloroetha...	5.120	65	206496	52.25	ug/L	0.00
Spiked Amount 50.000	Range 67 - 128		Recovery = 104.50%			
64) SURR3,Toluene-d8	7.943	98	719736	53.69	ug/L	0.00
Spiked Amount 50.000	Range 66 - 138		Recovery = 107.38%			
69) SURR2,BFB	10.729	95	270985	50.53	ug/L	0.00
Spiked Amount 50.000	Range 31 - 154		Recovery = 101.06%			
Target Compounds						Qvalue
5) Bromomethane	1.420	94	857	Below Cal		90
15) Acetone	2.041	43	2273	1.64	ug/L	77
16) 2-Propanol	2.157	45	636	2.26	ug/L	84
22) Methylene Chloride	2.389	84	1409	Below Cal		92

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

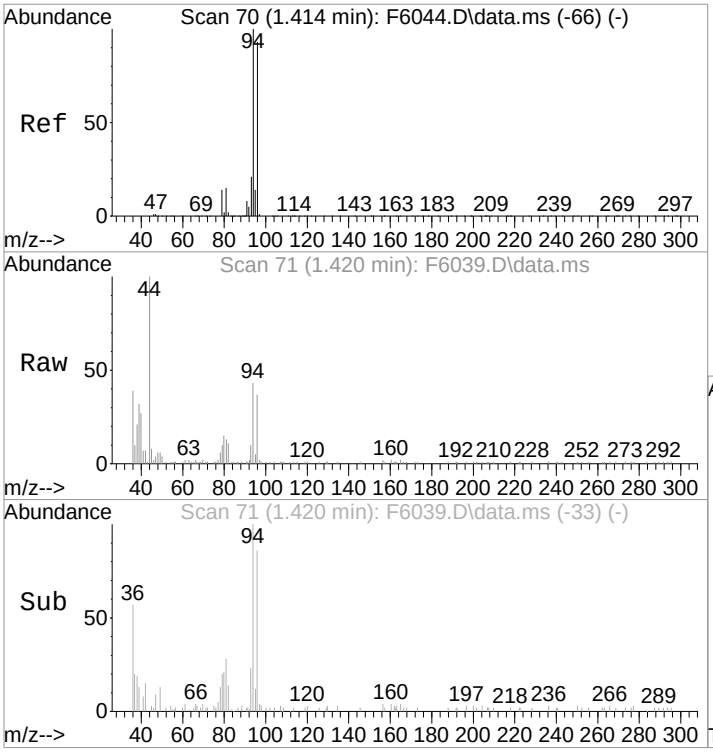
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\041919\
Data File : F6039.D
Acq On : 19 Apr 2019 11:45 am
Operator : F.NAEGLER
Sample : ICAL BLK Inst : MSVOA14
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 22 10:39:56 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
Quant Title : MS#14 - 8260 SOILS 10ml PURGE
QLast Update : Mon Apr 22 10:00:17 2019
Response via : Initial Calibration



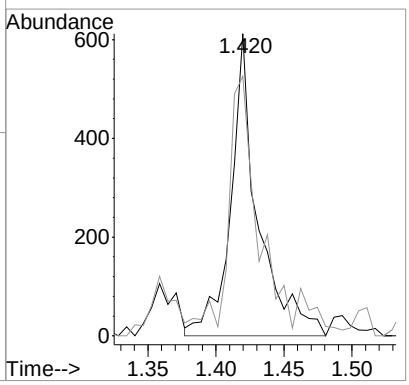
1st FJ 04/22/19
2nd 04/22/19

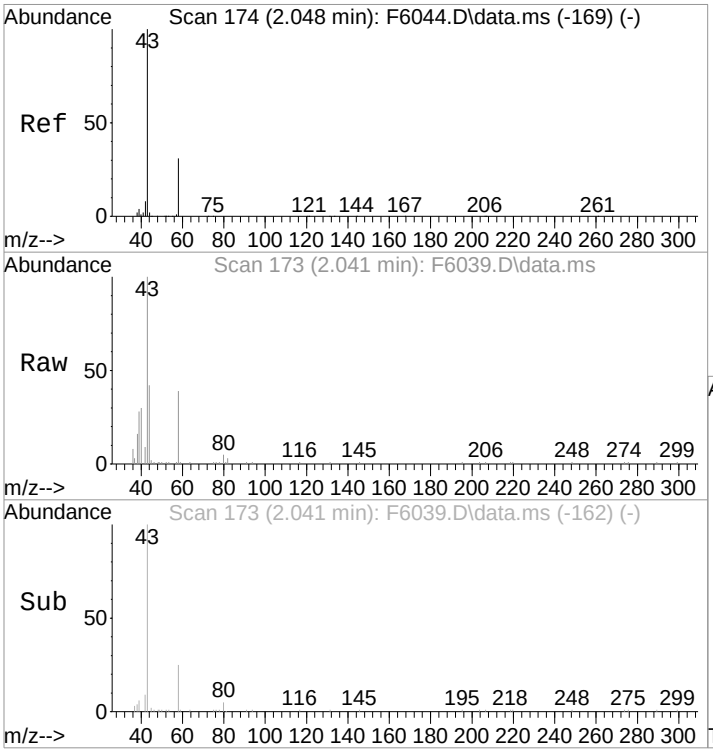


#5
Bromomethane
Concen: Below Cal
RT: 1.420 min Scan# 71
Delta R.T. 0.007 min
Lab File: F6039.D
Acq: 19 Apr 2019 11:45 am

Tgt Ion: 94 Resp: 857

Ion	Ratio	Lower	Upper
94	100		
96	85.9	75.4	115.4

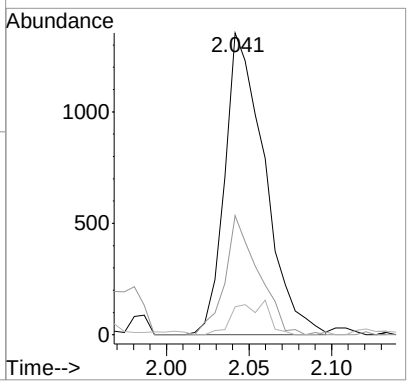


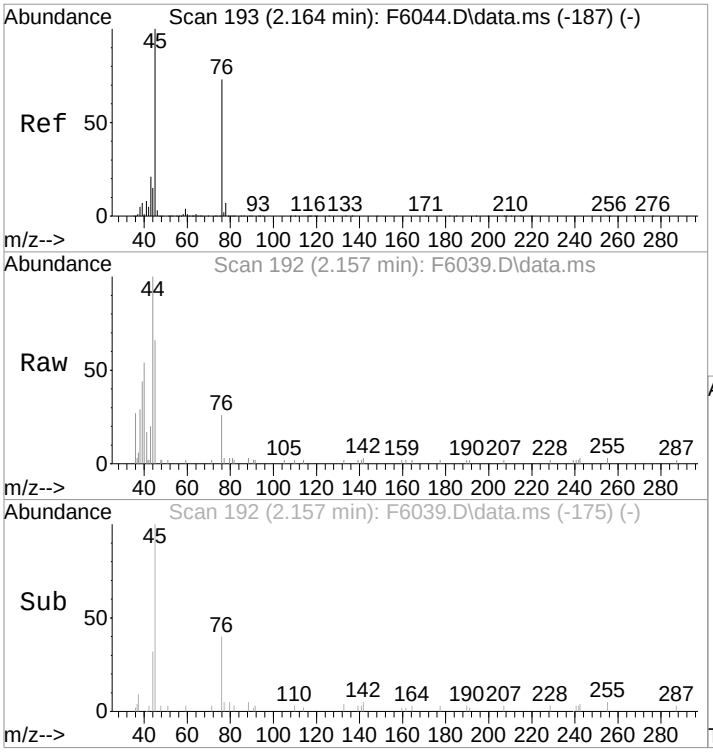


#15
Acetone
Concen: 1.64 ug/L
RT: 2.041 min Scan# 173
Delta R.T. -0.006 min
Lab File: F6039.D
Acq: 19 Apr 2019 11:45 am

Tgt Ion: 43 Resp: 2273

Ion	Ratio	Lower	Upper
43	100		
58	39.4	5.1	45.1
42	9.3	0.0	27.4

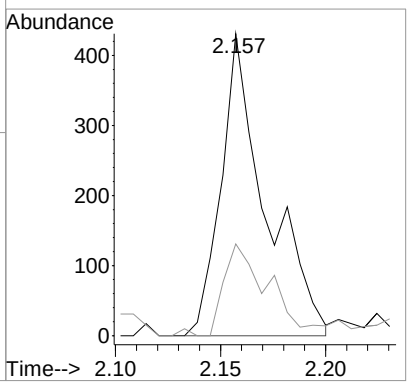


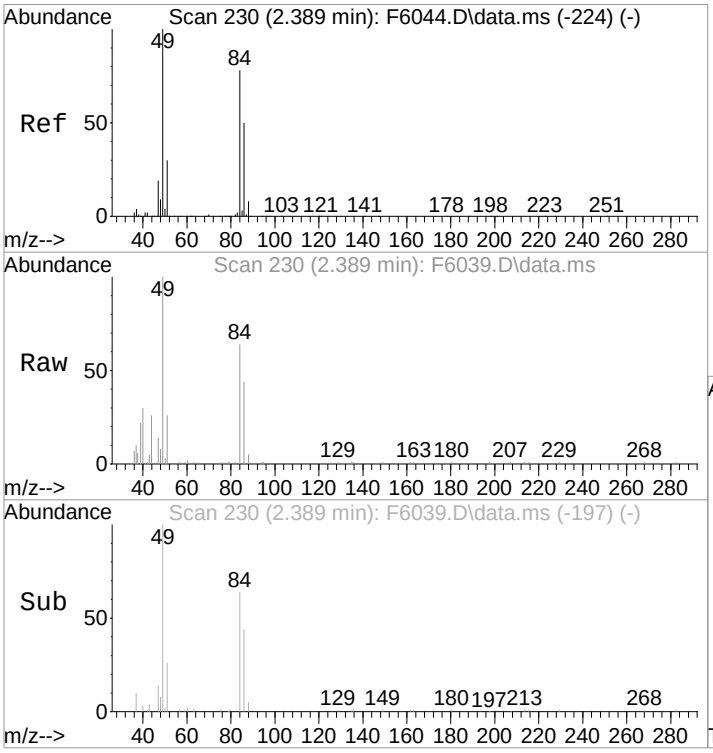


#16
2-Propanol
Concen: 2.26 ug/L
RT: 2.157 min Scan# 192
Delta R.T. -0.006 min
Lab File: F6039.D
Acq: 19 Apr 2019 11:45 am

Tgt Ion: 45 Resp: 636

Ion	Ratio	Lower	Upper
45	100		
43	30.4	2.7	42.7

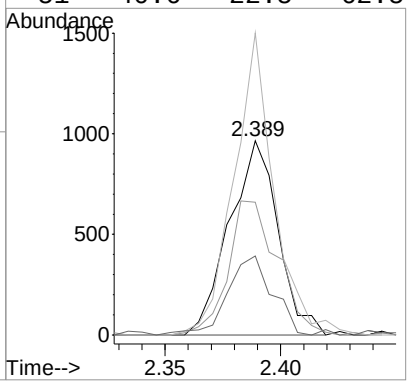




#22
Methylene Chloride
Concen: Below Cal
RT: 2.389 min Scan# 230
Delta R.T. -0.000 min
Lab File: F6039.D
Acq: 19 Apr 2019 11:45 am

Tgt Ion: 84 Resp: 1409

Ion	Ratio	Lower	Upper
84	100		
86	68.3	45.6	85.6
49	155.5	120.4	160.4
51	40.6	22.5	62.5

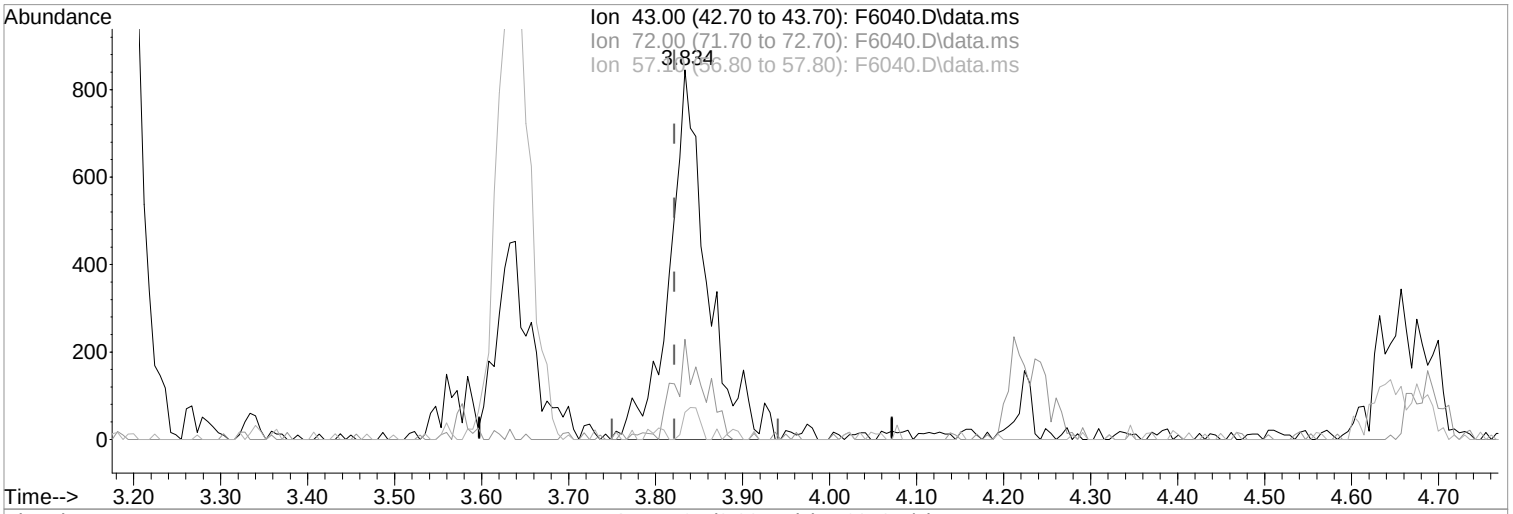


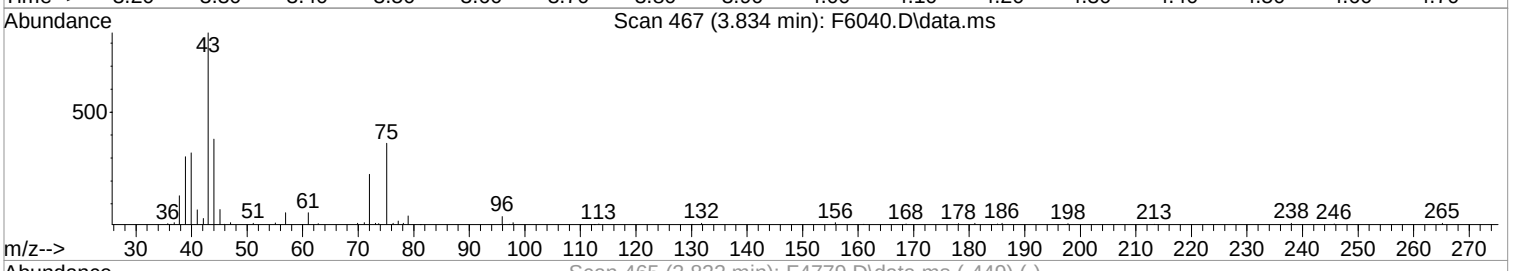
1st FW 04/22/19
2nd 04/22/19

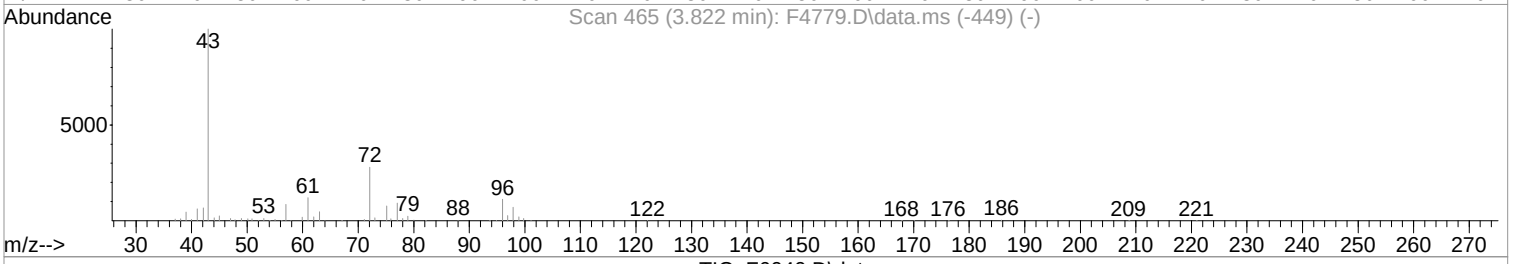
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\041919\
Data File : F6040.D
Acq On : 19 Apr 2019 12:21 pm
Operator : F.NAEGLER
Sample : 1.0 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 19 12:52:40 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
Quant Title : MS#14 - 8260 SOILS 10ml PURGE
QLast Update : Wed Mar 06 09:14:26 2019
Response via : Initial Calibration







TIC: F6040.D\data.ms

(34) 2-Butanone (P)

3.834min (+0.012) 1.45 ug/L m

response 2549

Ion	Exp%	Act%
43.00	100	100
72.00	23.80	27.10
57.10	8.50	7.34
0.00	0.00	0.00

Manual Integration:

After

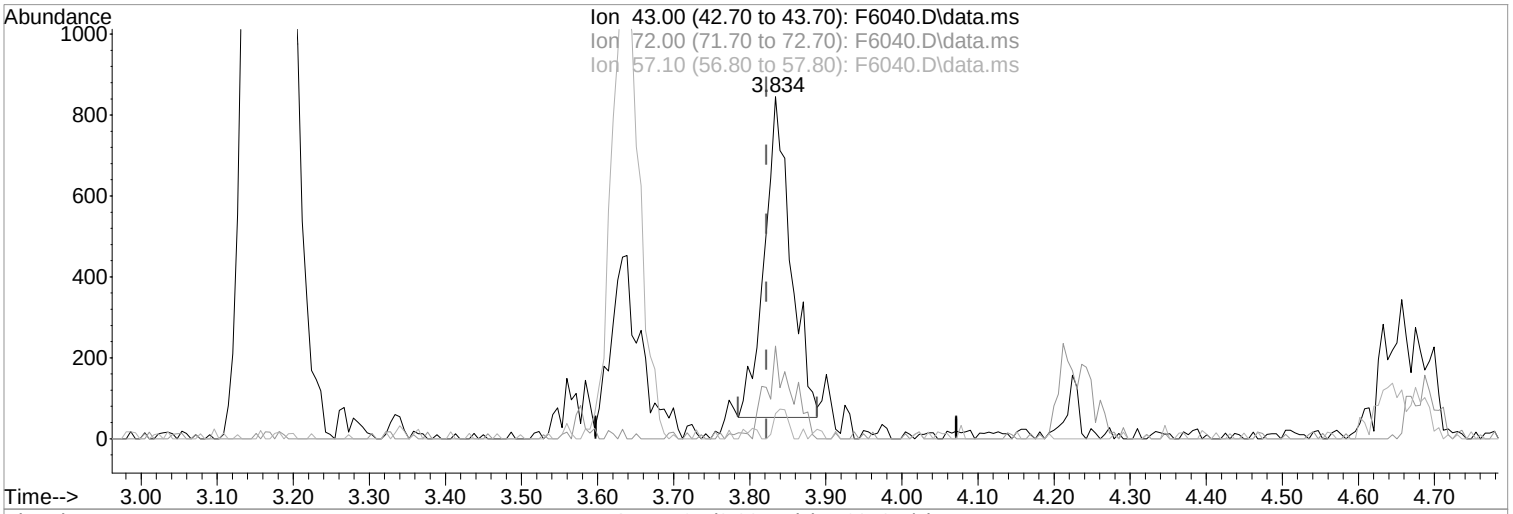
Poor integration.

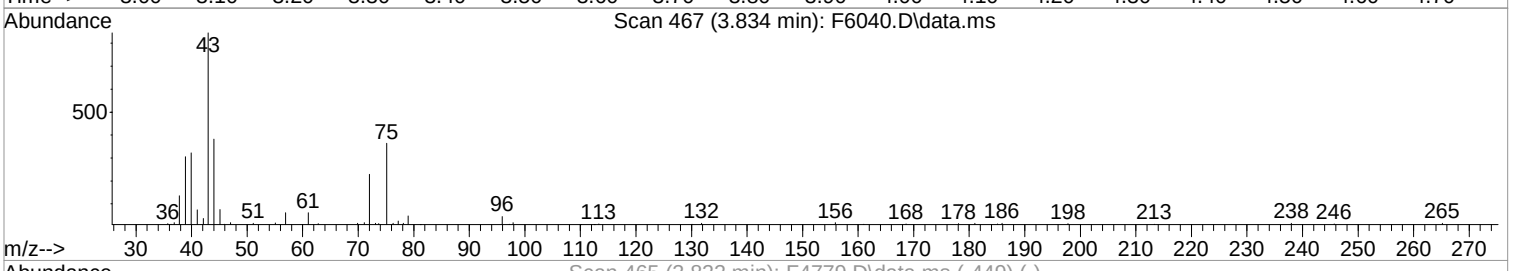
04/19/19

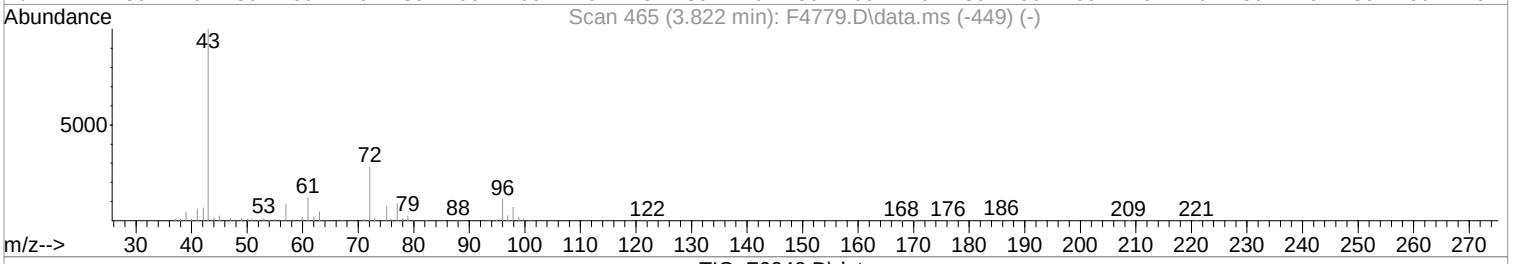
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\041919\
Data File : F6040.D
Acq On : 19 Apr 2019 12:21 pm
Operator : F.NAEGLER
Sample : 1.0 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 19 12:52:40 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
Quant Title : MS#14 - 8260 SOILS 10ml PURGE
QLast Update : Wed Mar 06 09:14:26 2019
Response via : Initial Calibration







TIC: F6040.D\data.ms

(34) 2-Butanone (P)

3.834min (+0.012) 1.09 ug/L

response 1919

Ion	Exp%	Act%
43.00	100	100
72.00	23.80	27.10
57.10	8.50	7.34
0.00	0.00	0.00

Manual Integration:

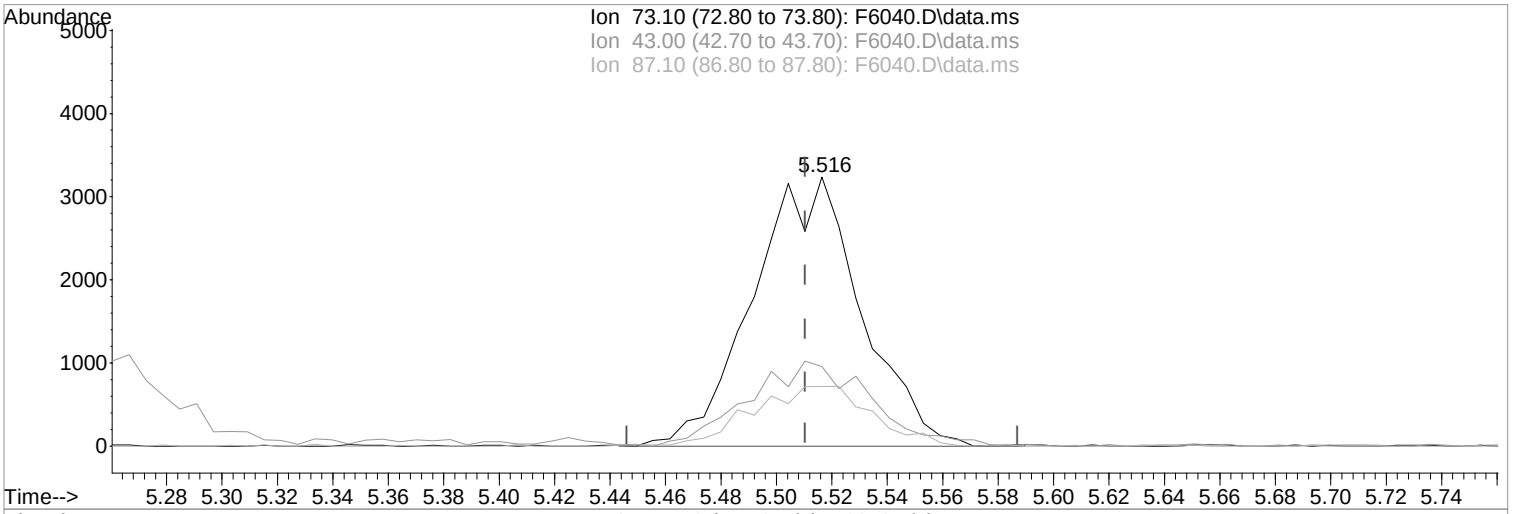
Before

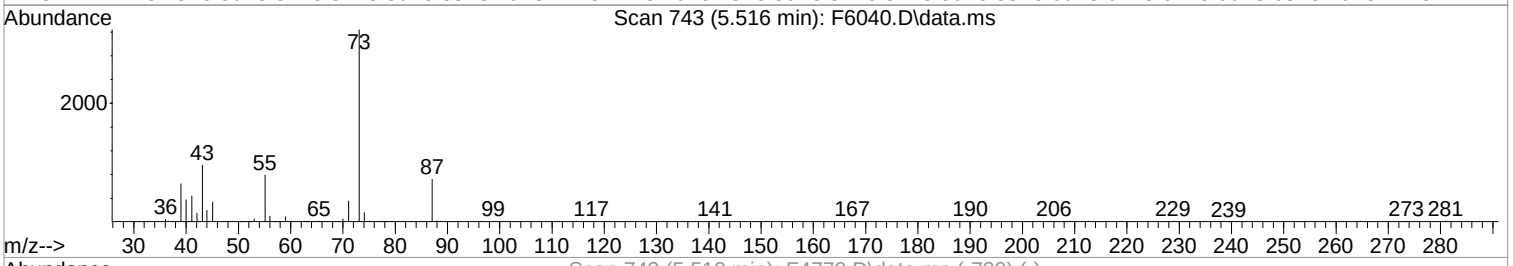
04/19/19

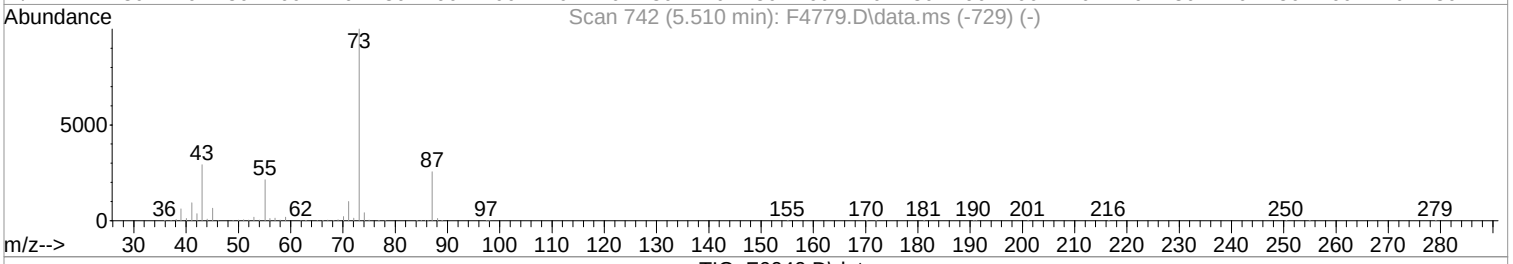
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\041919\
Data File : F6040.D
Acq On : 19 Apr 2019 12:21 pm
Operator : F.NAEGLER
Sample : 1.0 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 19 12:52:40 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
Quant Title : MS#14 - 8260 SOILS 10ml PURGE
QLast Update : Wed Mar 06 09:14:26 2019
Response via : Initial Calibration







TIC: F6040.D\data.ms

(41) TAME

5.516min (+0.006) 0.91 ug/L m

response 8801

Ion	Exp%	Act%
73.10	100	100
43.00	36.20	29.55
87.10	23.20	22.29
0.00	0.00	0.00

Manual Integration:

After

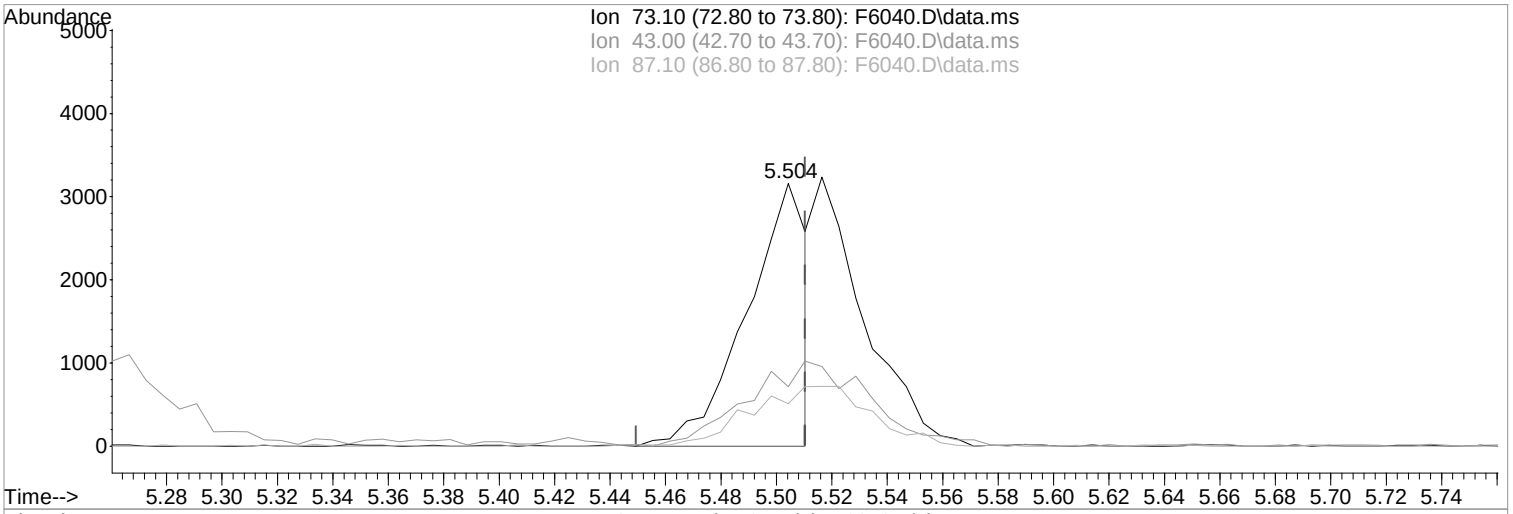
Poor integration.

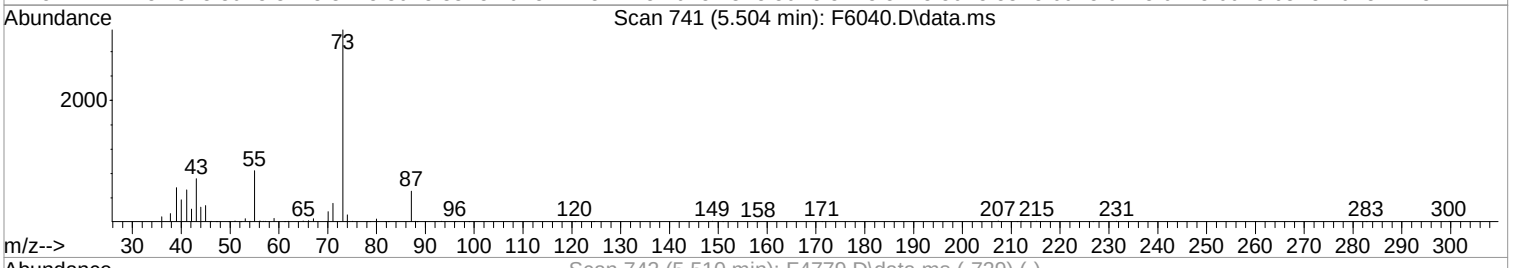
04/19/19

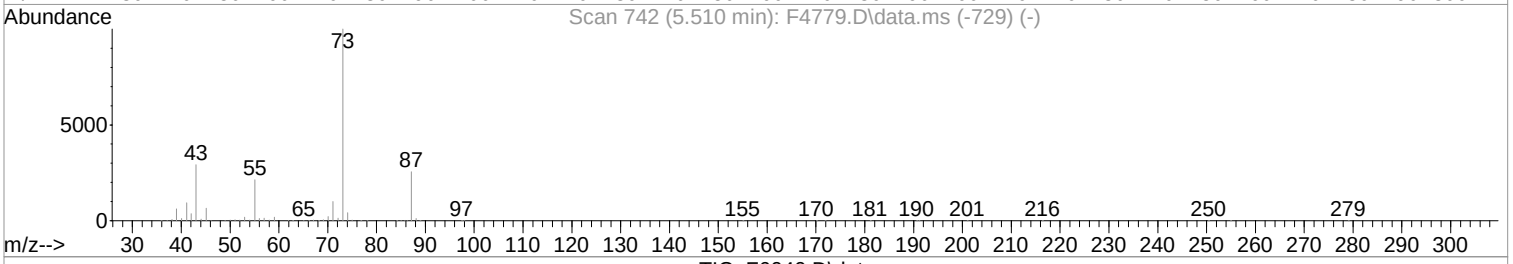
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\041919\
Data File : F6040.D
Acq On : 19 Apr 2019 12:21 pm
Operator : F.NAEGLER
Sample : 1.0 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 19 12:52:40 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
Quant Title : MS#14 - 8260 SOILS 10ml PURGE
QLast Update : Wed Mar 06 09:14:26 2019
Response via : Initial Calibration







TIC: F6040.D\data.ms

(41) TAME

5.504min (-0.006) 0.49 ug/L

response 4760

Ion	Exp%	Act%
73.10	100	100
43.00	36.20	22.63
87.10	23.20	16.21
0.00	0.00	0.00

Manual Integration:

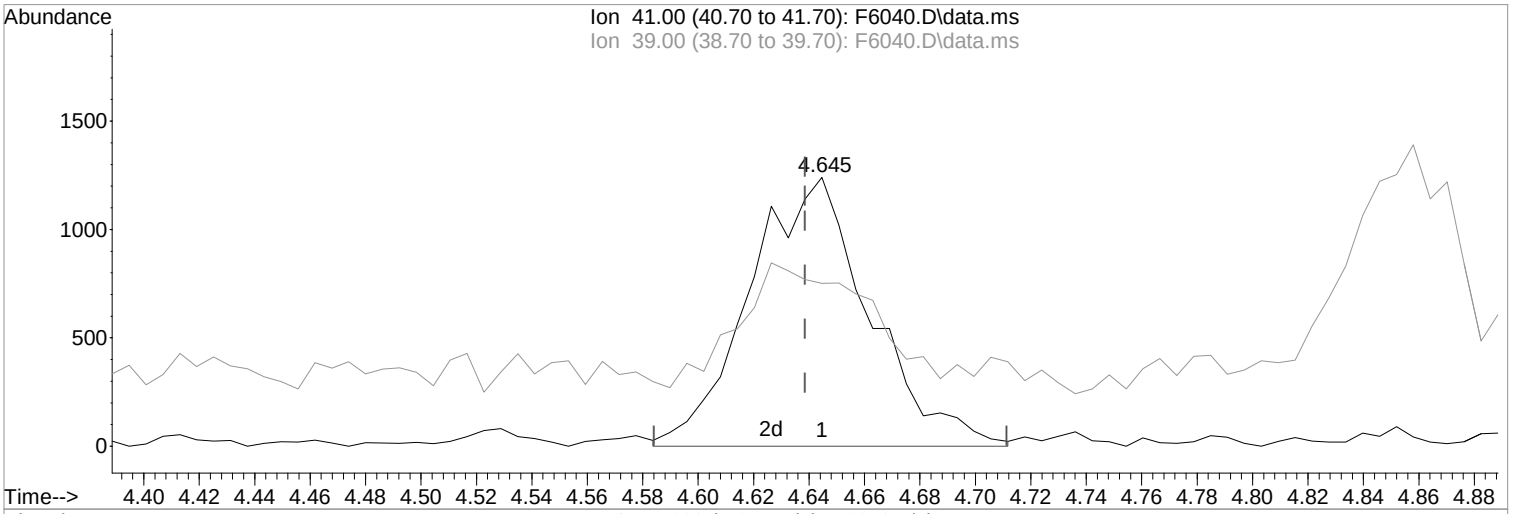
Before

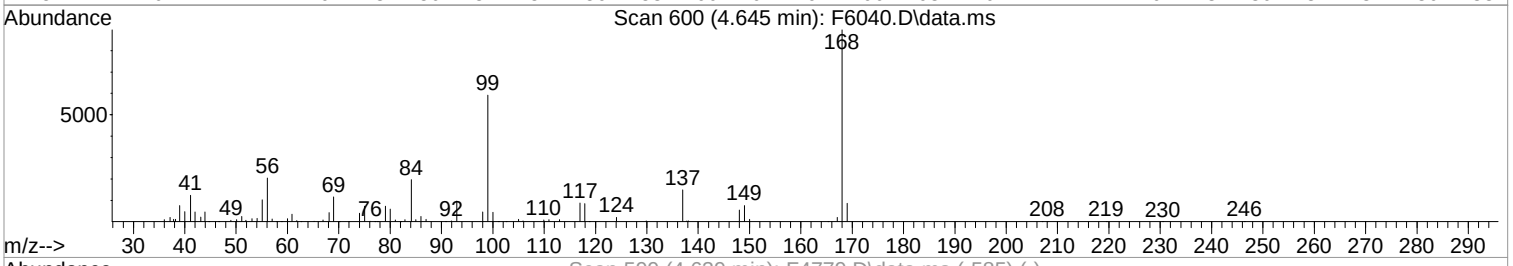
04/19/19

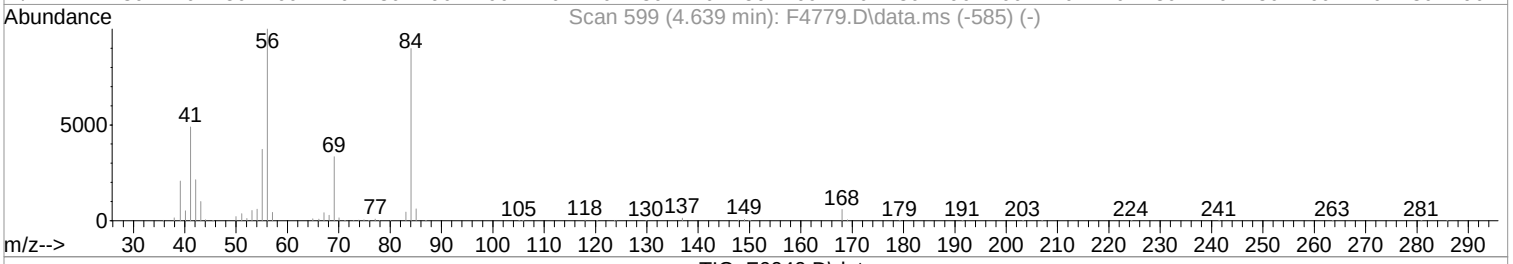
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\041919\
Data File : F6040.D
Acq On : 19 Apr 2019 12:21 pm
Operator : F.NAEGLER
Sample : 1.0 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 19 12:52:40 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
Quant Title : MS#14 - 8260 SOILS 10ml PURGE
QLast Update : Wed Mar 06 09:14:26 2019
Response via : Initial Calibration







TIC: F6040.D\data.ms

(43) Cyclohexane (P)

4.645min (+0.006) 1.33 ug/L m

response 3724

Ion	Exp%	Act%
41.00	100	100
39.00	55.60	60.60
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

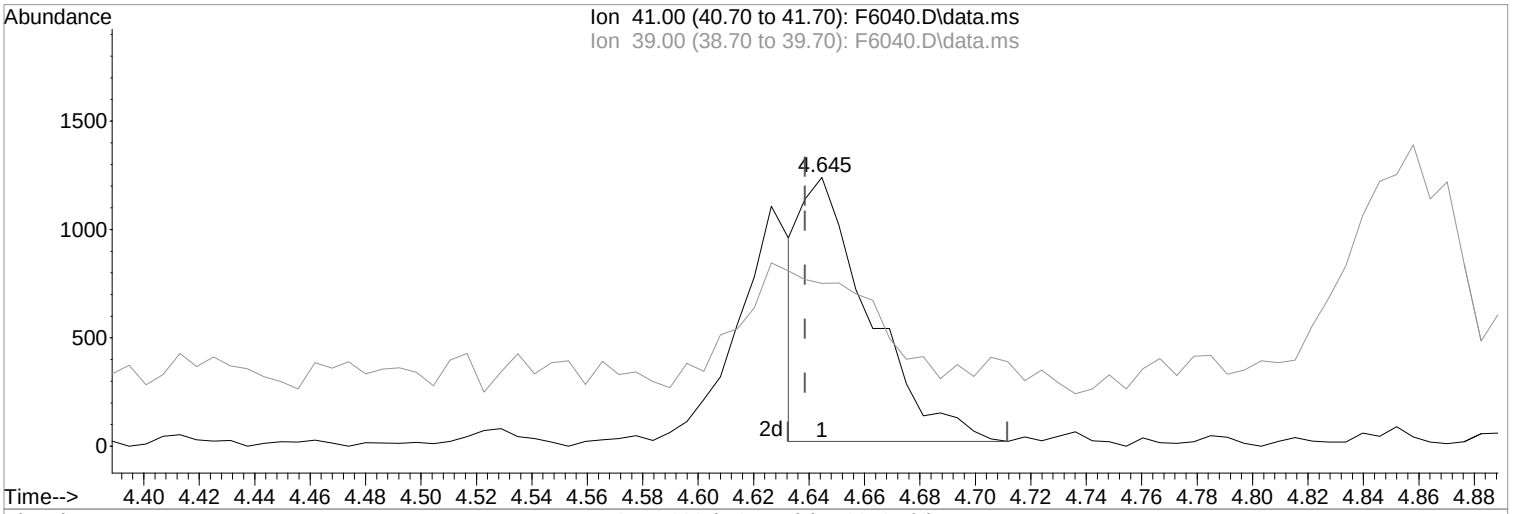
Poor integration.

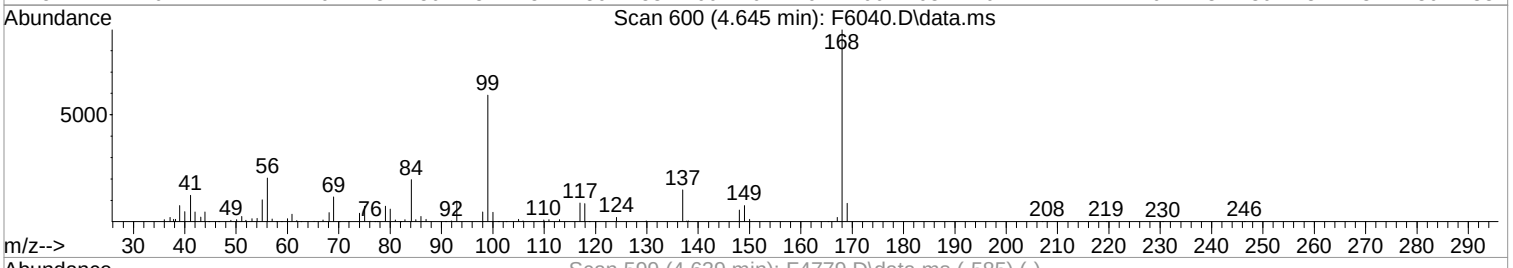
04/19/19

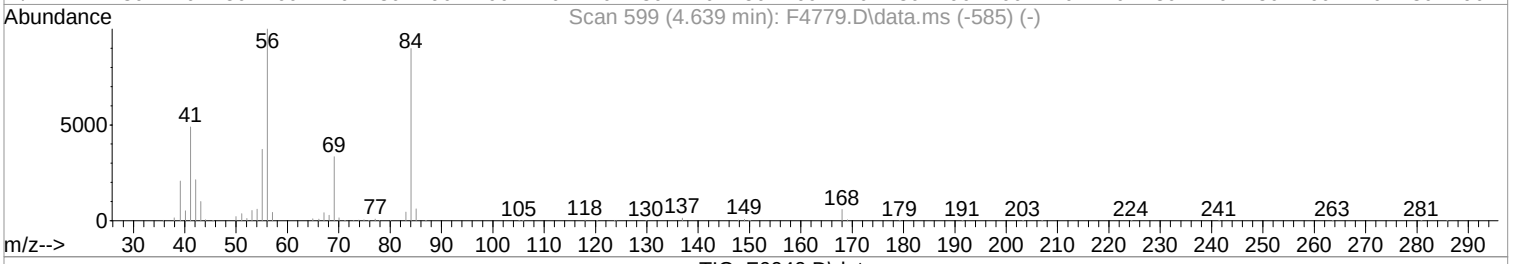
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\041919\
Data File : F6040.D
Acq On : 19 Apr 2019 12:21 pm
Operator : F.NAEGLER
Sample : 1.0 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 19 12:52:40 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
Quant Title : MS#14 - 8260 SOILS 10ml PURGE
QLast Update : Wed Mar 06 09:14:26 2019
Response via : Initial Calibration







TIC: F6040.D\data.ms

(43) Cyclohexane (P)

4.645min (+0.006) 0.75 ug/L

response 2109

Ion	Exp%	Act%
41.00	100	100
39.00	55.60	60.60
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

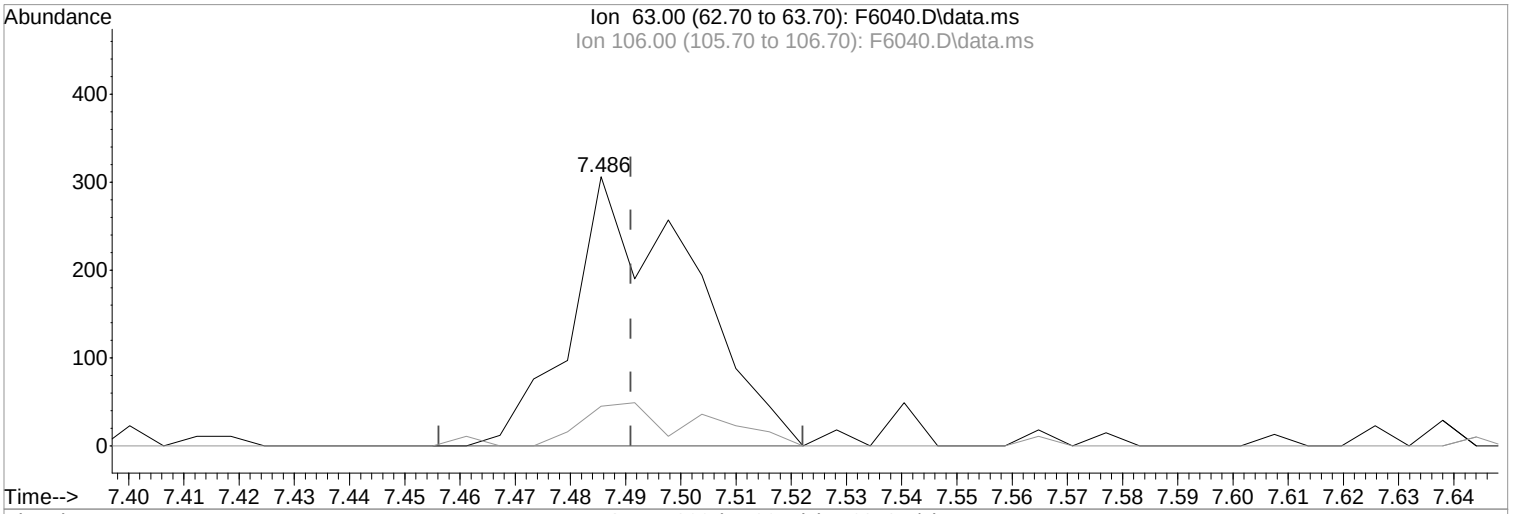
Before

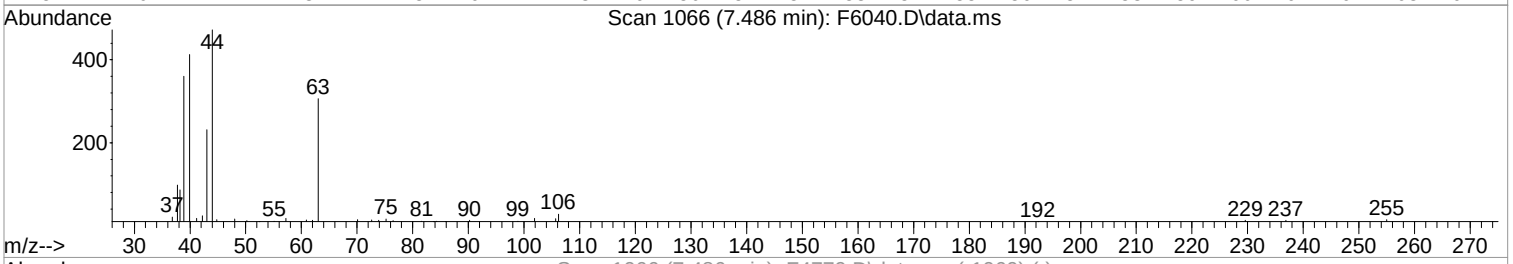
04/19/19

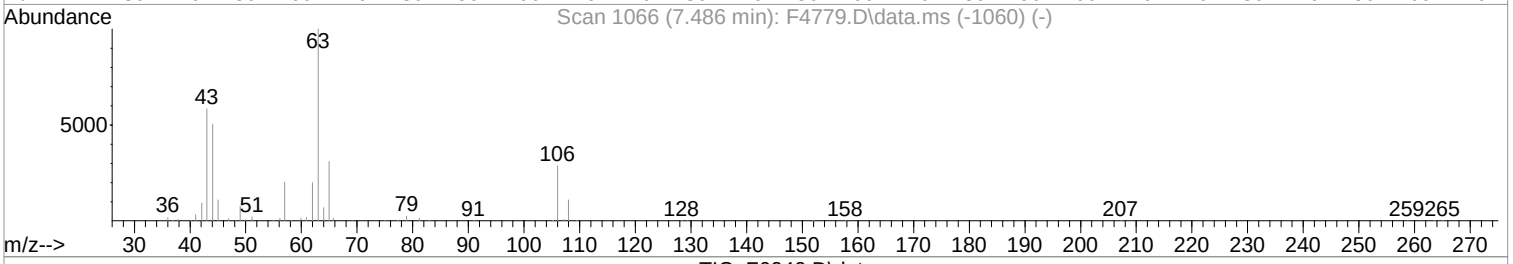
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\041919\
Data File : F6040.D
Acq On : 19 Apr 2019 12:21 pm
Operator : F.NAEGLER
Sample : 1.0 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 19 12:52:40 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
Quant Title : MS#14 - 8260 SOILS 10ml PURGE
QLast Update : Wed Mar 06 09:14:26 2019
Response via : Initial Calibration







TIC: F6040.D\data.ms

(61) 2-Chloroethylvinyl Ether

7.486min (-0.005) 1.10 ug/L m

response 463

Ion	Exp%	Act%
63.00	100	100
106.00	28.20	9.15
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

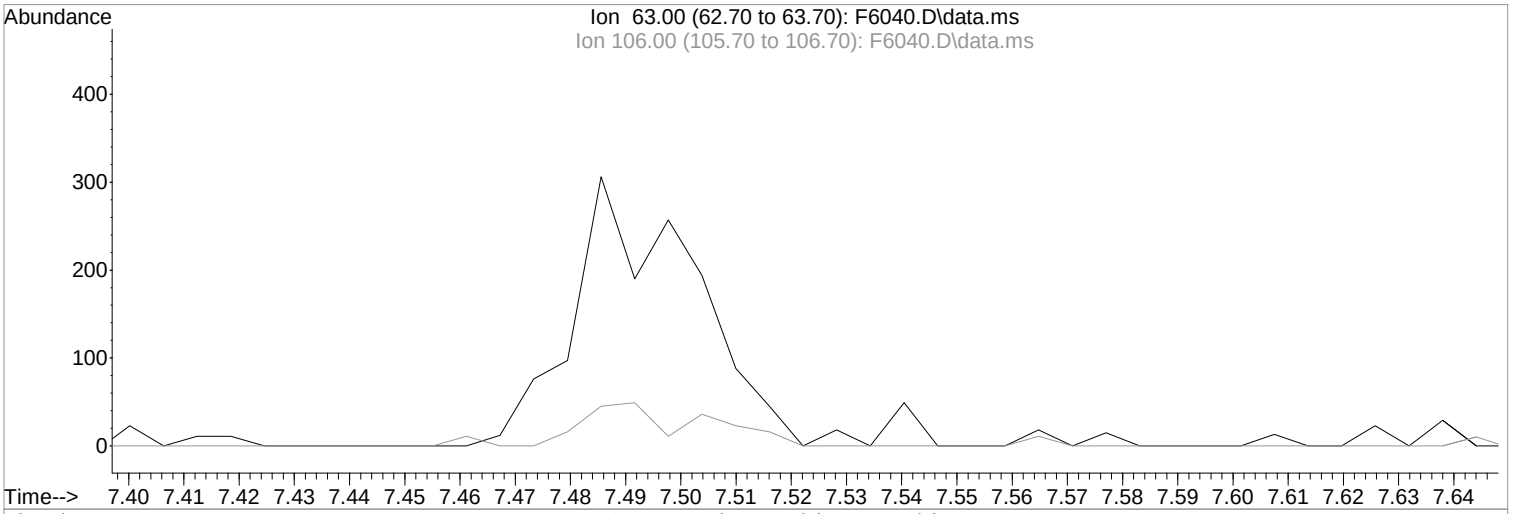
Poor integration.

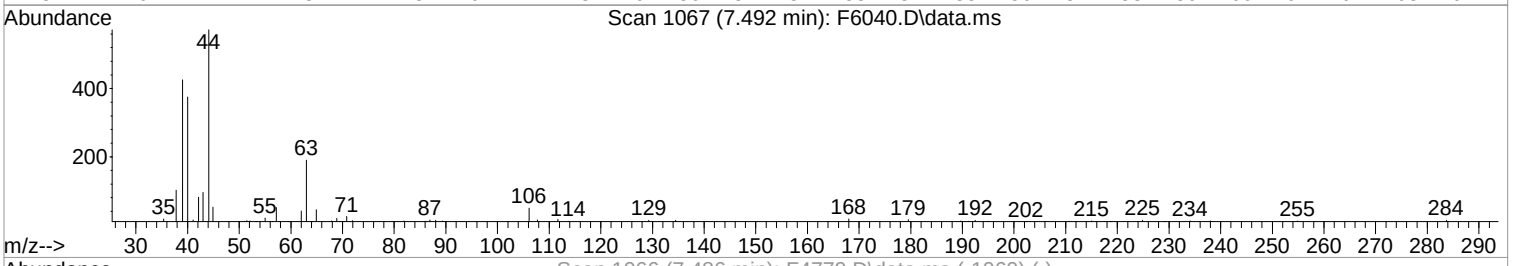
04/19/19

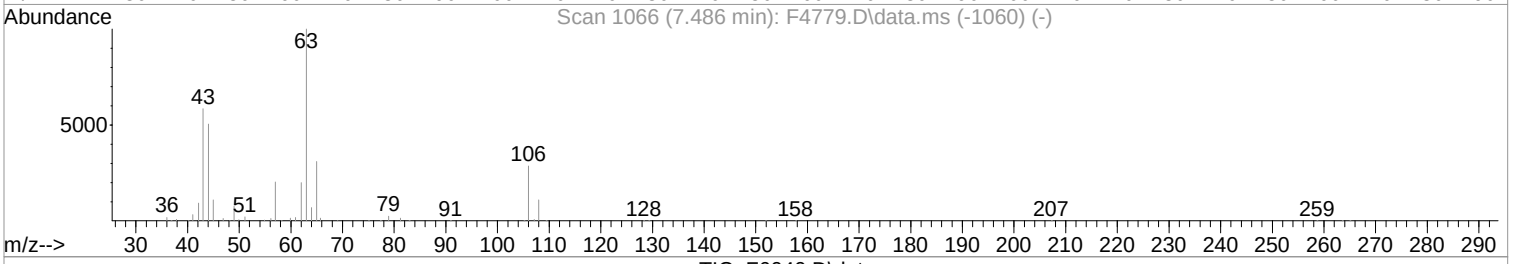
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\041919\
Data File : F6040.D
Acq On : 19 Apr 2019 12:21 pm
Operator : F.NAEGLER
Sample : 1.0 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 19 12:52:40 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
Quant Title : MS#14 - 8260 SOILS 10ml PURGE
QLast Update : Wed Mar 06 09:14:26 2019
Response via : Initial Calibration







TIC: F6040.D\data.ms

(61) 2-Chloroethylvinyl Ether

7.491min (-7.491) 0.00 ug/L

response 0

Ion	Exp%	Act%
63.00	100	0.00
106.00	28.20	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

04/19/19

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\041919\
Data File : F6040.D
Acq On : 19 Apr 2019 12:21 pm
Operator : F.NAEGLER
Sample : 1.0 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 19 12:54:37 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
Quant Title : MS#14 - 8260 SOILS 10ml PURGE
QLast Update : Wed Mar 06 09:14:26 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	4.687	168	345573	50.00	ug/L		0.00
42) 1,4-Difluorobenzene	5.937	114	536560	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.577	117	468880	50.00	ug/L		0.00
87) 1,4-Dichlorobenzene-d4	11.735	152	238806	50.00	ug/L		0.00
System Monitoring Compounds							
44) SURR4,Dibrflmethane	4.535	113	33175	9.07	ug/L		0.00
Spiked Amount 50.000	Range 63 - 138		Recovery = 18.14%#				
47) SURR1,1,2-dichloroetha...	5.120	65	42177	10.56	ug/L		0.00
Spiked Amount 50.000	Range 67 - 128		Recovery = 21.12%#				
64) SURR3,Toluene-d8	7.949	98	146493	9.83	ug/L		0.00
Spiked Amount 50.000	Range 66 - 138		Recovery = 19.66%#				
69) SURR2,BFB	10.729	95	66814	11.59	ug/L		0.00
Spiked Amount 50.000	Range 31 - 154		Recovery = 23.18%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.042	85	5061	1.12	ug/L		93
3) Chloromethane	1.151	50	5193	1.15	ug/L		98
4) Vinyl Chloride	1.218	62	4629	1.14	ug/L		99
5) Bromomethane	1.420	94	3915	1.52	ug/L		84
6) Chloroethane	1.481	64	2885	1.27	ug/L		90
7) Freon 21	1.609	67	6746	1.22	ug/L		97
8) Trichlorofluoromethane	1.651	101	5215	1.11	ug/L		98
9) Diethyl Ether	1.846	59	2990	0.98	ug/L		93
10) Freon 123a	1.846	67	4377	1.28	ug/L		92
11) Freon 123	1.889	83	4763	1.16	ug/L		96
12) Acrolein	1.926	56	3507	5.54	ug/L		94
13) 1,1-Diclethene	2.011	96	3424	1.15	ug/L		91
14) Freon 113	2.017	101	3458	1.23	ug/L		94
15) Acetone	2.041	43	3276	1.96	ug/L		79
16) 2-Propanol	2.157	45	5744	19.91	ug/L		98
17) Iodomethane	2.121	142	2440	0.69	ug/L		79
18) Carbon Disulfide	2.176	76	9624	1.14	ug/L		96
19) Acetonitrile	2.261	40	1190	6.66	ug/L	#	41
20) Allyl Chloride	2.291	76	1763	1.13	ug/L	#	89
21) Methyl Acetate	2.316	43	2783	1.06	ug/L		97
22) Methylene Chloride	2.389	84	5148	1.28	ug/L		92
23) TBA	2.505	59	10271	20.51	ug/L		98
24) Acrylonitrile	2.608	53	5922	4.59	ug/L		91
25) Methyl-t-Butyl Ether	2.657	73	9950	0.98	ug/L		92
26) trans-1,2-Dichloroethene	2.645	96	3564	1.07	ug/L		95
27) 1,1-Diclethane	3.066	63	6407	1.09	ug/L		96
28) Vinyl Acetate	3.145	86	513	0.78	ug/L	#	93
29) DIPE	3.182	45	10517	1.03	ug/L		99
30) 2-Chloro-1,3-Butadiene	3.175	53	4677	1.16	ug/L		96
31) ETBE	3.639	59	9652	0.97	ug/L		93
32) 2,2-Dichloropropane	3.773	77	5176	1.10	ug/L		90
33) cis-1,2-Dichloroethene	3.785	96	3884	1.02	ug/L		98
34) 2-Butanone	3.834	43	2549m	1.45	ug/L		
35) Propionitrile	3.901	54	2338	4.72	ug/L		96
36) Bromochloromethane	4.120	130	2272	0.91	ug/L	#	87
37) Methacrylonitrile	4.133	67	1332	0.88	ug/L	#	79
38) Tetrahydrofuran	4.224	42	1284	1.16	ug/L		81
39) Chloroform	4.279	83	6492	1.11	ug/L		100
40) 1,1,1-Trichloroethane	4.553	97	5133	1.10	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\041919\
Data File : F6040.D
Acq On : 19 Apr 2019 12:21 pm
Operator : F.NAEGLER
Sample : 1.0 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 19 12:54:37 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
Quant Title : MS#14 - 8260 SOILS 10ml PURGE
QLast Update : Wed Mar 06 09:14:26 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) TAME	5.516	73	8801m	0.91	ug/L		
43) Cyclohexane	4.645	41	3724m	1.33	ug/L		
45) Carbontetrachloride	4.834	121	1271	1.03	ug/L	#	66
46) 1,1-Dichloropropene	4.846	75	4851	1.10	ug/L		92
48) Benzene	5.218	78	14328	1.00	ug/L		95
49) 1,2-Dichloroethane	5.260	62	4739	1.01	ug/L		97
50) Iso-Butyl Alcohol	5.266	43	3129	15.82	ug/L		88
51) n-Heptane	5.809	43	5158	1.21	ug/L		89
52) 1-Butanol	6.376	56	4770	35.26	ug/L		92
53) Trichloroethene	6.303	130	4114	0.98	ug/L		98
54) Methylcyclohexane	6.565	55	4892	1.15	ug/L		87
55) 1,2-Diclpropane	6.608	63	3482	0.90	ug/L		90
56) Dibromomethane	6.754	93	2099	0.89	ug/L		89
57) 1,4-Dioxane	6.858	88	984	16.78	ug/L		85
58) Methyl Methacrylate	6.888	69	2260	0.83	ug/L		93
59) Bromodichloromethane	7.022	83	4360	0.99	ug/L		99
60) 2-Nitropropane	7.333	41	3785	3.52	ug/L	#	64
61) 2-Chloroethylvinyl Ether	7.486	63	463m	1.10	ug/L		
62) cis-1,3-Dichloropropene	7.626	75	5268	0.88	ug/L		89
63) 4-Methyl-2-pentanone	7.864	43	3264	0.94	ug/L		90
65) Toluene	8.022	91	15797	1.02	ug/L		94
66) trans-1,3-Dichloropropene	8.327	75	4275	0.81	ug/L		97
67) Ethyl Methacrylate	8.504	69	3881	0.78	ug/L		87
68) 1,1,2-Trichloroethane	8.528	97	3047	0.88	ug/L	#	83
71) Tetrachloroethene	8.674	164	3164	0.89	ug/L		94
72) 2-Hexanone	8.869	43	2464	0.99	ug/L		93
73) 1,3-Dichloropropane	8.711	76	5599	0.95	ug/L		98
74) Dibromochloromethane	8.955	129	2849	0.87	ug/L	#	72
75) N-Butyl Acetate	9.058	43	4443	0.87	ug/L		96
76) 1,2-Dibromoethane	9.058	107	3326	0.96	ug/L		95
77) Chlorobenzene	9.607	112	10278	0.98	ug/L		93
78) 1,1,1,2-Tetrachloroethane	9.705	131	3104	0.91	ug/L		95
79) Ethylbenzene	9.747	106	5174	0.97	ug/L	#	80
80) (m+p)Xylene	9.869	106	12537	1.87	ug/L		97
81) o-Xylene	10.247	106	6166	0.94	ug/L		99
82) Styrene	10.265	104	9151	0.83	ug/L		95
83) Bromoform	10.412	173	1635	0.80	ug/L		82
84) Isopropylbenzene	10.607	105	16077	0.96	ug/L		96
85) Cyclohexanone	10.656	55	10580	16.42	ug/L		95
86) trans-1,4-Dichloro-2-B...	10.930	53	827	0.89	ug/L		94
88) 1,1,2,2-Tetrachloroethane	10.875	83	3623	0.94	ug/L		94
89) Bromobenzene	10.845	156	4288	0.95	ug/L	#	86
90) 1,2,3-Trichloropropane	10.906	110	1162	0.84	ug/L	#	69
91) n-Propylbenzene	10.979	91	19131	1.06	ug/L		97
92) 2-Chlorotoluene	11.034	91	11695	1.03	ug/L		90
93) 4-Chlorotoluene	11.131	91	13007	1.00	ug/L		90
94) 1,3,5-Trimethylbenzene	11.143	105	12822	0.96	ug/L		92
95) tert-Butylbenzene	11.418	119	11772	1.01	ug/L		95
96) 1,2,4-Trimethylbenzene	11.460	105	12318	0.92	ug/L		95
97) sec-Butylbenzene	11.607	105	17036	0.99	ug/L		99
98) p-Isopropyltoluene	11.741	119	14018	0.97	ug/L		95
99) 1,3-Dclbenz	11.680	146	8634	1.03	ug/L		97
100) 1,4-Dclbenz	11.759	146	8610	1.01	ug/L		95
101) n-Butylbenzene	12.076	91	12626	0.99	ug/L		90
102) 1,2-Dclbenz	12.064	146	7455	0.91	ug/L		85
103) 1,2-Dibromo-3-chloropr...	12.698	157	658	0.82	ug/L	#	82

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\041919\
Data File : F6040.D
Acq On : 19 Apr 2019 12:21 pm
Operator : F.NAEGLER
Sample : 1.0 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 19 12:54:37 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
Quant Title : MS#14 - 8260 SOILS 10ml PURGE
QLast Update : Wed Mar 06 09:14:26 2019
Response via : Initial Calibration

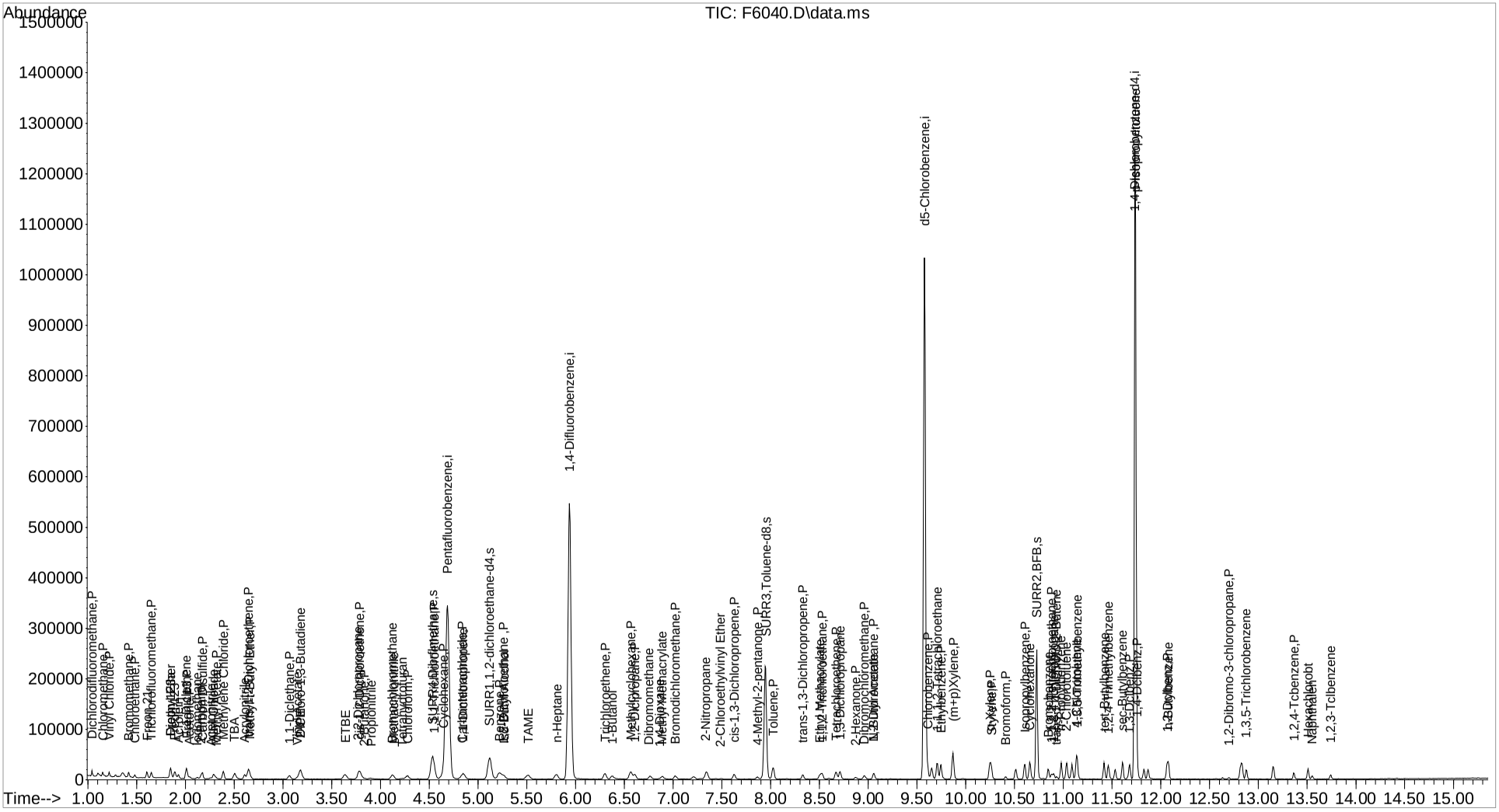
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3,5-Trichlorobenzene	12.875	180	4173	0.67	ug/L	98
105) 1,2,4-Tcbenzene	13.362	180	2876	0.50	ug/L	93
106) Hexachlorobt	13.509	225	2874	0.88	ug/L	96
107) Naphthalen	13.551	128	4008	0.36	ug/L	96
108) 1,2,3-Tclbenzene	13.740	180	2252	0.45	ug/L	85

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\041919\
Data File : F6040.D
Acq On : 19 Apr 2019 12:21 pm
Operator : F.NAEGLER
Sample : 1.0 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 19 12:54:37 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
Quant Title : MS#14 - 8260 SOILS 10ml PURGE
QLast Update : Wed Mar 06 09:14:26 2019
Response via : Initial Calibration

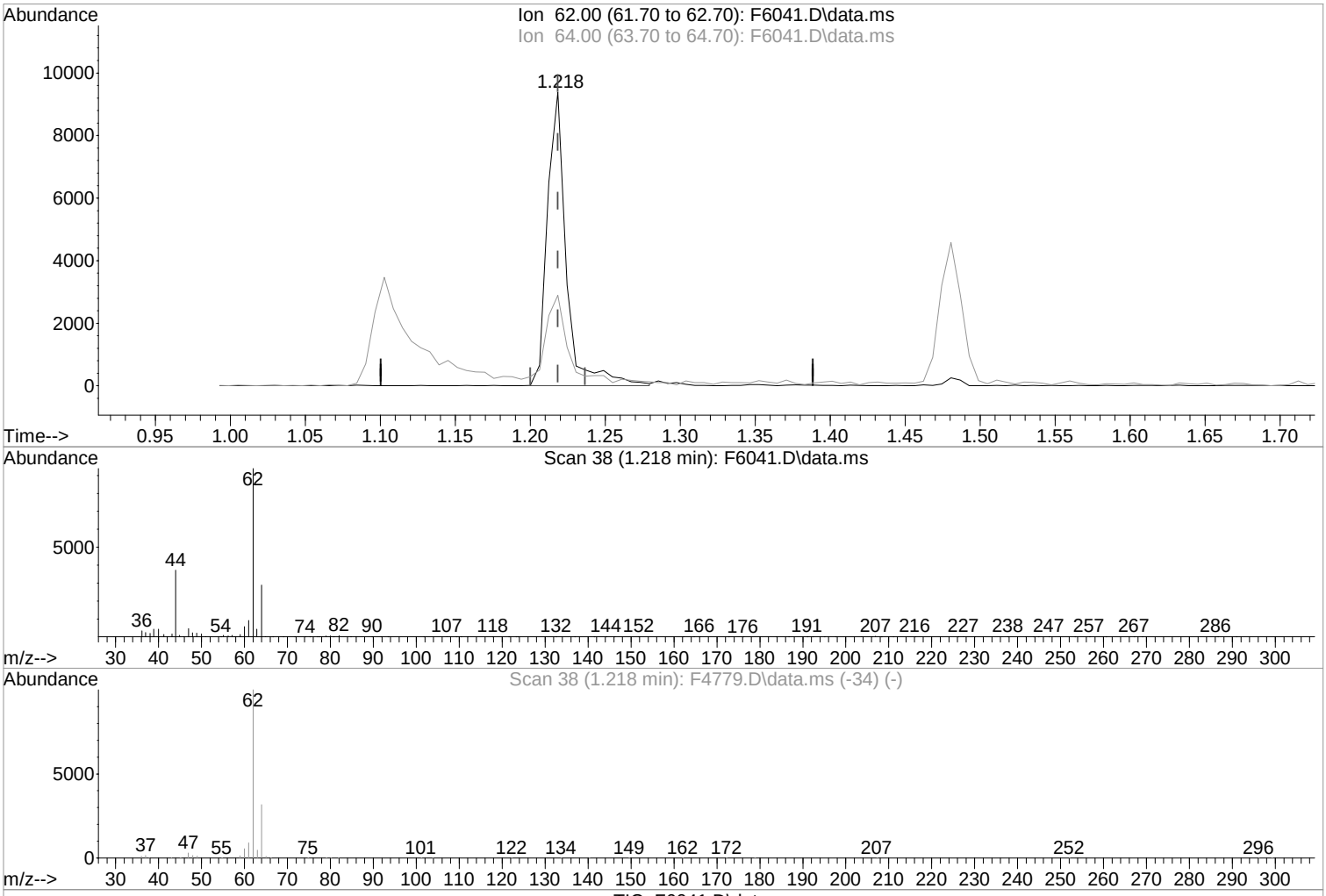


1st 04/22/19
2nd 04/22/19

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\041919\
Data File : F6041.D
Acq On : 19 Apr 2019 12:44 pm
Operator : F.NAEGLER
Sample : 2.0 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 19 13:36:41 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
Quant Title : MS#14 - 8260 SOILS 10ml PURGE
QLast Update : Fri Apr 19 12:55:21 2019
Response via : Initial Calibration



TIC: F6041.D\data.ms

(4) Vinyl Chloride (P)

1.218min (-0.000) 2.00 ug/L m

response 8286

Ion	Exp%	Act%
62.00	100	100
64.00	30.70	30.84
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

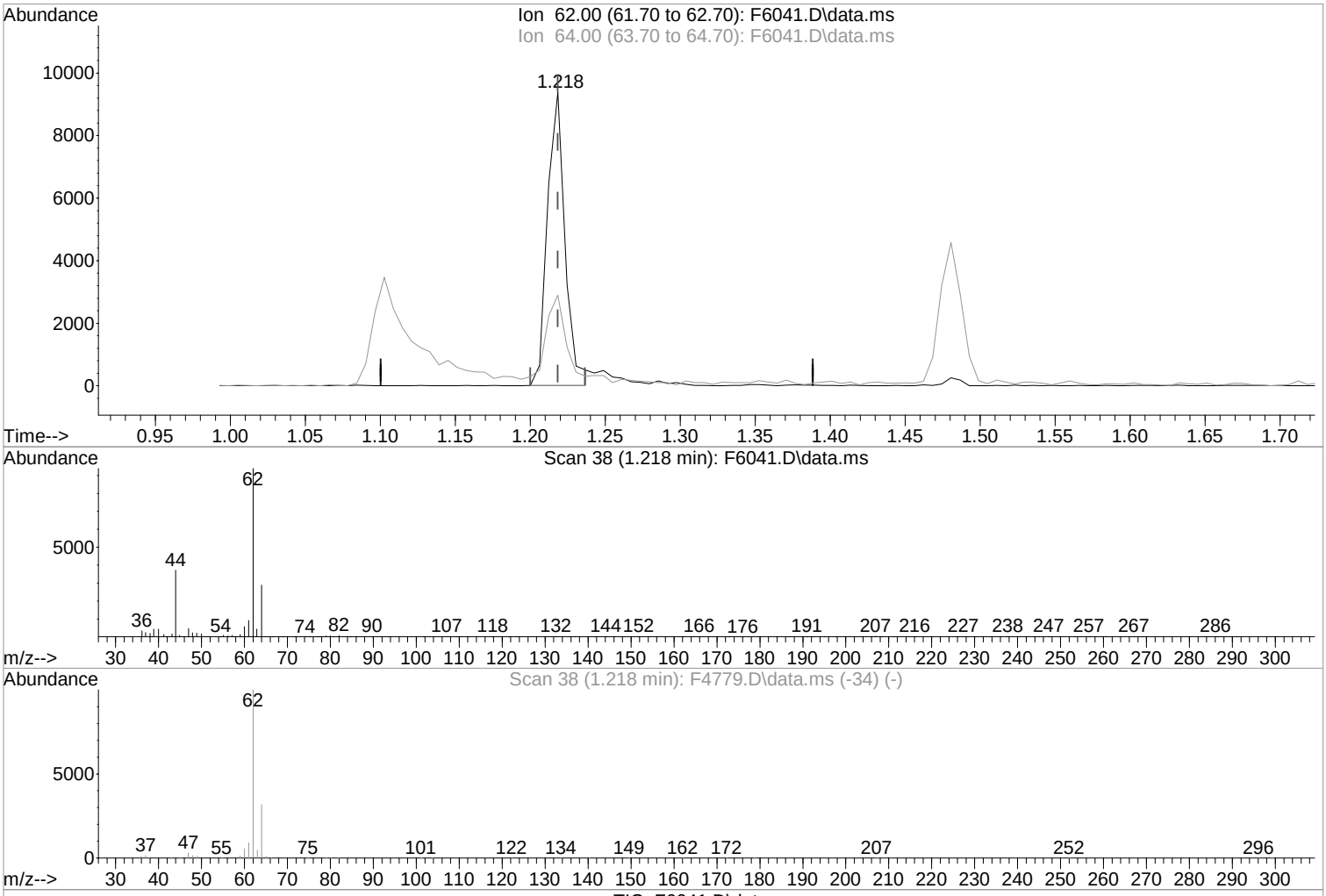
Poor integration.

04/19/19

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\041919\
Data File : F6041.D
Acq On : 19 Apr 2019 12:44 pm
Operator : F.NAEGLER
Sample : 2.0 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 19 13:36:41 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
Quant Title : MS#14 - 8260 SOILS 10ml PURGE
QLast Update : Fri Apr 19 12:55:21 2019
Response via : Initial Calibration



TIC: F6041.D\data.ms

(4) Vinyl Chloride (P)

1.218min (-0.000) 1.84 ug/L

response 7627

Ion	Exp%	Act%
62.00	100	100
64.00	30.70	30.84
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

04/19/19

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\041919\
Data File : F6041.D
Acq On : 19 Apr 2019 12:44 pm
Operator : F.NAEGLER
Sample : 2.0 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 19 13:37:06 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
Quant Title : MS#14 - 8260 SOILS 10ml PURGE
QLast Update : Fri Apr 19 12:55:21 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	4.687	168	347012	50.00	ug/L		0.00
42) 1,4-Difluorobenzene	5.937	114	543711	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.577	117	477915	50.00	ug/L		0.00
87) 1,4-Dichlorobenzene-d4	11.735	152	244379	50.00	ug/L		0.00
System Monitoring Compounds							
44) SURR4,Dibrflmethane	4.535	113	37068	10.00	ug/L		0.00
Spiked Amount 50.000	Range 63 - 138		Recovery = 20.00%#				
47) SURR1,1,2-dichloroetha...	5.120	65	46200	11.41	ug/L		0.00
Spiked Amount 50.000	Range 67 - 128		Recovery = 22.82%#				
64) SURR3,Toluene-d8	7.949	98	154484	10.23	ug/L		0.00
Spiked Amount 50.000	Range 66 - 138		Recovery = 20.46%#				
69) SURR2,BFB	10.729	95	68211	11.67	ug/L		0.00
Spiked Amount 50.000	Range 31 - 154		Recovery = 23.34%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.042	85	8214	1.78	ug/L		94
3) Chloromethane	1.151	50	8850	1.94	ug/L		99
4) Vinyl Chloride	1.218	62	8286m	2.00	ug/L		
5) Bromomethane	1.413	94	6364	2.43	ug/L		99
6) Chloroethane	1.481	64	4538	1.97	ug/L		94
7) Freon 21	1.602	67	12881	2.27	ug/L		99
8) Trichlorofluoromethane	1.651	101	9958	2.09	ug/L		93
9) Diethyl Ether	1.846	59	6143	2.06	ug/L		94
10) Freon 123a	1.846	67	8005	2.26	ug/L		96
11) Freon 123	1.889	83	8968	2.17	ug/L		97
12) Acrolein	1.932	56	6995	10.86	ug/L		100
13) 1,1-Diclethene	2.011	96	5555	1.84	ug/L		95
14) Freon 113	2.017	101	6059	2.11	ug/L		92
15) Acetone	2.041	43	4835	3.03	ug/L		98
16) 2-Propanol	2.157	45	10370	36.15	ug/L		86
17) Iodomethane	2.121	142	4696	1.28	ug/L		89
18) Carbon Disulfide	2.176	76	17243	2.02	ug/L		100
19) Acetonitrile	2.261	40	1743	9.41	ug/L	#	69
20) Allyl Chloride	2.291	76	3201	2.04	ug/L	#	93
21) Methyl Acetate	2.316	43	5601	2.11	ug/L		91
22) Methylene Chloride	2.389	84	7895	2.00	ug/L		93
23) TBA	2.499	59	20268	40.46	ug/L		93
24) Acrylonitrile	2.608	53	12875	10.03	ug/L		94
25) Methyl-t-Butyl Ether	2.657	73	20152	1.97	ug/L		99
26) trans-1,2-Dichloroethene	2.645	96	6473	1.94	ug/L		94
27) 1,1-Diclethane	3.066	63	12160	2.04	ug/L		94
28) Vinyl Acetate	3.151	86	985	1.53	ug/L		98
29) DIPE	3.188	45	20652	2.00	ug/L		96
30) 2-Chloro-1,3-Butadiene	3.181	53	8486	2.06	ug/L		96
31) ETBE	3.639	59	18876	1.89	ug/L		96
32) 2,2-Dichloropropane	3.785	77	9379	1.99	ug/L		89
33) cis-1,2-Dichloroethene	3.791	96	7638	2.00	ug/L		85
34) 2-Butanone	3.840	43	4289	2.34	ug/L		97
35) Propionitrile	3.895	54	4962	9.85	ug/L		92
36) Bromochloromethane	4.126	130	4365	1.77	ug/L	#	87
37) Methacrylonitrile	4.120	67	2916	1.93	ug/L	#	65
38) Tetrahydrofuran	4.218	42	2328	2.09	ug/L		77
39) Chloroform	4.273	83	11553	1.96	ug/L		95
40) 1,1,1-Trichloroethane	4.547	97	9671	2.04	ug/L		94

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\041919\
Data File : F6041.D
Acq On : 19 Apr 2019 12:44 pm
Operator : F.NAEGLER
Sample : 2.0 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 19 13:37:06 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
Quant Title : MS#14 - 8260 SOILS 10ml PURGE
QLast Update : Fri Apr 19 12:55:21 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) TAME	5.510	73	17907	1.87	ug/L		89
43) Cyclohexane	4.638	41	6531	2.24	ug/L		83
45) Carbontetrachloride	4.840	121	2329	1.86	ug/L		83
46) 1,1-Dichloropropene	4.852	75	8784	1.95	ug/L		90
48) Benzene	5.218	78	27106	1.88	ug/L		96
49) 1,2-Dichloroethane	5.260	62	9862	2.08	ug/L		92
50) Iso-Butyl Alcohol	5.260	43	6733	34.20	ug/L		93
51) n-Heptane	5.803	43	7472	1.70	ug/L		84
52) 1-Butanol	6.370	56	10132	74.44	ug/L		96
53) Trichloroethene	6.303	130	7451	1.75	ug/L		92
54) Methylcyclohexane	6.559	55	9041	2.09	ug/L		92
55) 1,2-Diclpropane	6.608	63	6996	1.81	ug/L		89
56) Dibromomethane	6.760	93	4545	1.93	ug/L		88
57) 1,4-Dioxane	6.864	88	2118	36.78	ug/L		82
58) Methyl Methacrylate	6.894	69	4646	1.70	ug/L		94
59) Bromodichloromethane	7.022	83	7779	1.73	ug/L		95
60) 2-Nitropropane	7.339	41	3203	2.65	ug/L		85
61) 2-Chloroethylvinyl Ether	7.492	63	1232	2.66	ug/L		99
62) cis-1,3-Dichloropropene	7.626	75	10290	1.70	ug/L		98
63) 4-Methyl-2-pentanone	7.863	43	6266	1.78	ug/L		94
65) Toluene	8.028	91	29159	1.86	ug/L		97
66) trans-1,3-Dichloropropene	8.333	75	8530	1.61	ug/L		91
67) Ethyl Methacrylate	8.504	69	7970	1.61	ug/L		83
68) 1,1,2-Trichloroethane	8.528	97	6577	1.89	ug/L	#	77
71) Tetrachloroethene	8.674	164	5448	1.64	ug/L		93
72) 2-Hexanone	8.869	43	4422	1.74	ug/L		96
73) 1,3-Dichloropropane	8.711	76	11164	1.86	ug/L		92
74) Dibromochloromethane	8.961	129	5391	1.60	ug/L		81
75) N-Butyl Acetate	9.058	43	9029	1.75	ug/L		98
76) 1,2-Dibromoethane	9.058	107	6189	1.75	ug/L		99
77) Chlorobenzene	9.607	112	19035	1.81	ug/L		95
78) 1,1,1,2-Tetrachloroethane	9.705	131	5773	1.65	ug/L		93
79) Ethylbenzene	9.747	106	9646	1.79	ug/L		93
80) (m+p)Xylene	9.869	106	23837	3.54	ug/L		97
81) o-Xylene	10.247	106	11563	1.75	ug/L		91
82) Styrene	10.259	104	18287	1.65	ug/L		98
83) Bromoform	10.412	173	3033	1.48	ug/L		91
84) Isopropylbenzene	10.607	105	29798	1.76	ug/L		100
85) Cyclohexanone	10.656	55	22973	35.62	ug/L		96
86) trans-1,4-Dichloro-2-B...	10.930	53	1807	1.90	ug/L		94
88) 1,1,2,2-Tetrachloroethane	10.881	83	7762	2.00	ug/L		94
89) Bromobenzene	10.845	156	8193	1.80	ug/L		95
90) 1,2,3-Trichloropropane	10.899	110	2757	1.98	ug/L		96
91) n-Propylbenzene	10.979	91	34903	1.88	ug/L		98
92) 2-Chlorotoluene	11.034	91	22125	1.92	ug/L		97
93) 4-Chlorotoluene	11.131	91	24788	1.88	ug/L		93
94) 1,3,5-Trimethylbenzene	11.143	105	23774	1.76	ug/L		98
95) tert-Butylbenzene	11.418	119	21771	1.82	ug/L		98
96) 1,2,4-Trimethylbenzene	11.460	105	23895	1.76	ug/L		93
97) sec-Butylbenzene	11.607	105	33151	1.88	ug/L		97
98) p-Isopropyltoluene	11.741	119	27145	1.85	ug/L		98
99) 1,3-Dclbenz	11.680	146	15369	1.79	ug/L		99
100) 1,4-Dclbenz	11.759	146	15725	1.82	ug/L		98
101) n-Butylbenzene	12.076	91	24040	1.85	ug/L		95
102) 1,2-Dclbenz	12.064	146	14533	1.76	ug/L		98
103) 1,2-Dibromo-3-chloropr...	12.698	157	1185	1.44	ug/L		81

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\041919\
Data File : F6041.D
Acq On : 19 Apr 2019 12:44 pm
Operator : F.NAEGLER
Sample : 2.0 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 19 13:37:06 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
Quant Title : MS#14 - 8260 SOILS 10ml PURGE
QLast Update : Fri Apr 19 12:55:21 2019
Response via : Initial Calibration

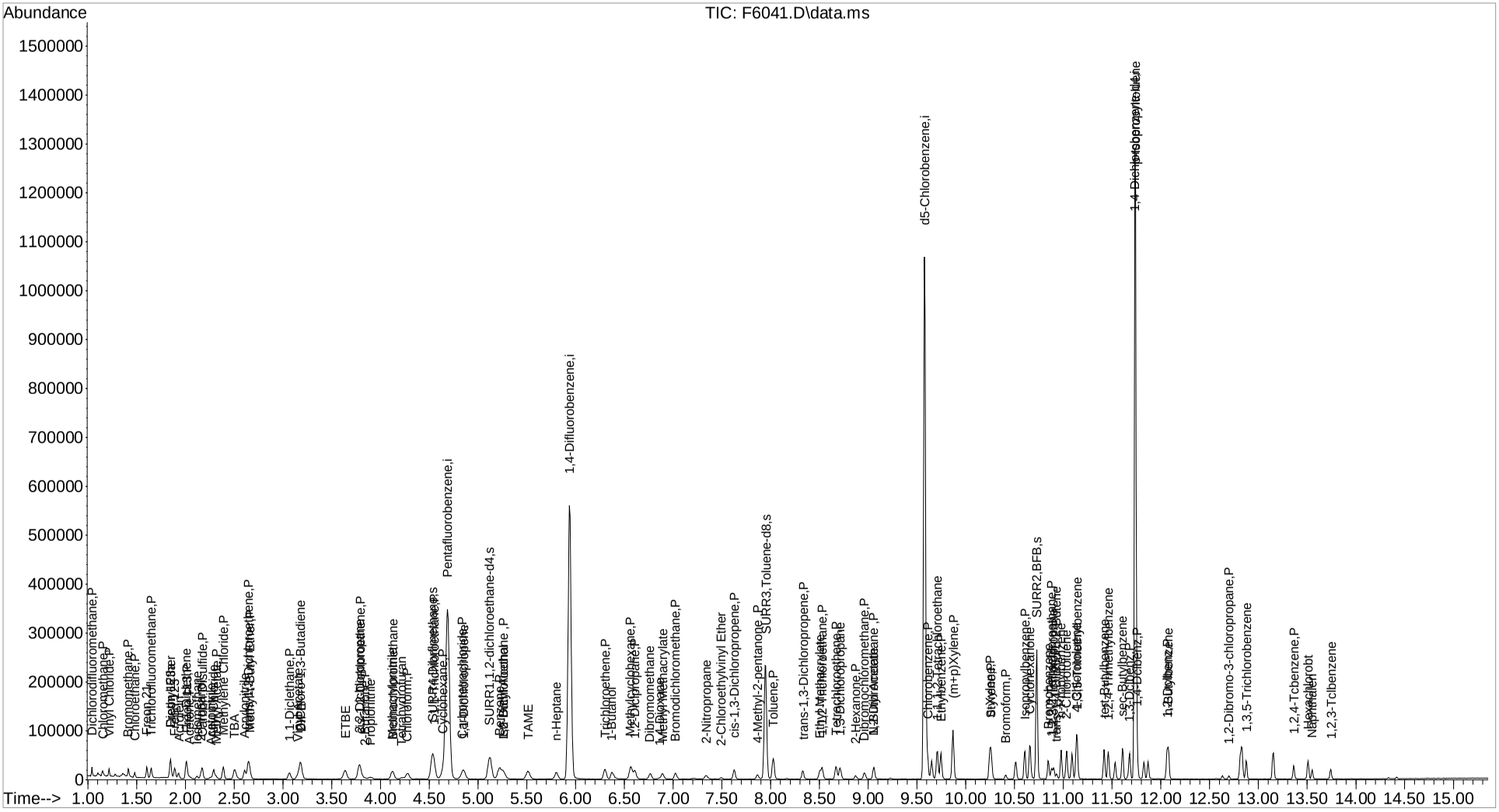
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3,5-Trichlorobenzene	12.881	180	8439	1.39	ug/L	99
105) 1,2,4-Tcbenzene	13.362	180	6167	1.12	ug/L	91
106) Hexachlorobt	13.509	225	5127	1.56	ug/L	95
107) Naphthalen	13.551	128	10668	0.98	ug/L	98
108) 1,2,3-Tclbenzene	13.746	180	4634	0.97	ug/L	90

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\041919\
Data File : F6041.D
Acq On : 19 Apr 2019 12:44 pm
Operator : F.NAEGLER
Sample : 2.0 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 19 13:37:06 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
Quant Title : MS#14 - 8260 SOILS 10ml PURGE
QLast Update : Fri Apr 19 12:55:21 2019
Response via : Initial Calibration



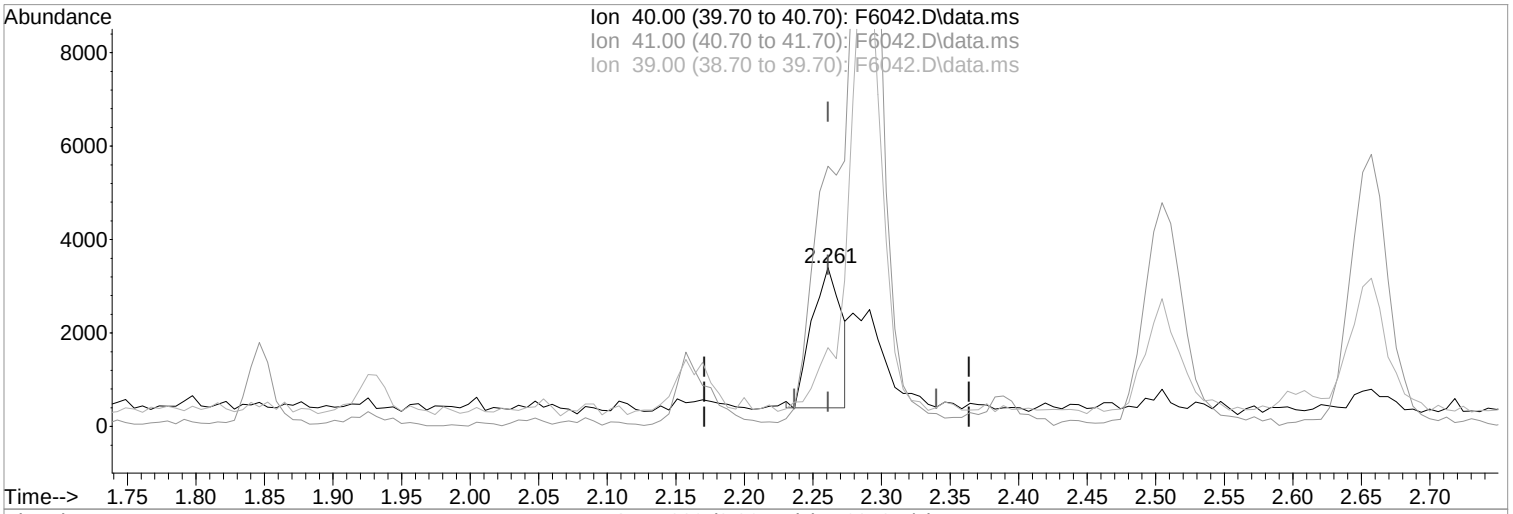
1st FRJ 04/22/19
2nd [illegible] 04/22/19

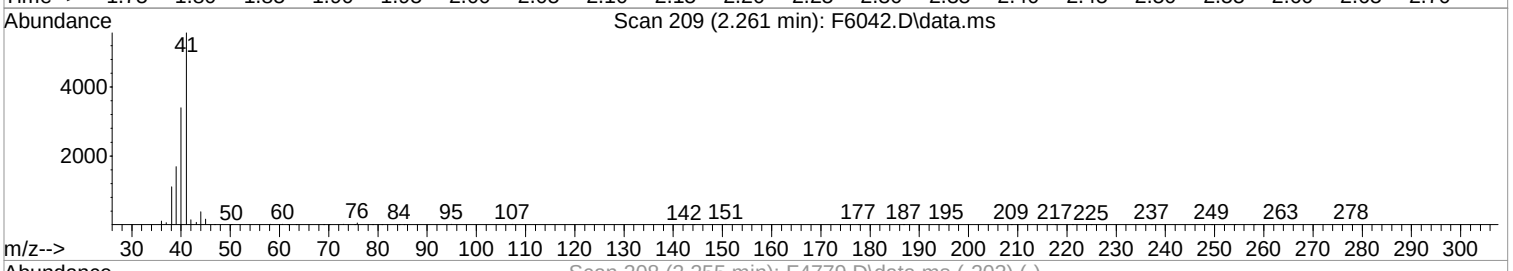
1st FW 04/22/19
2nd 04/22/19

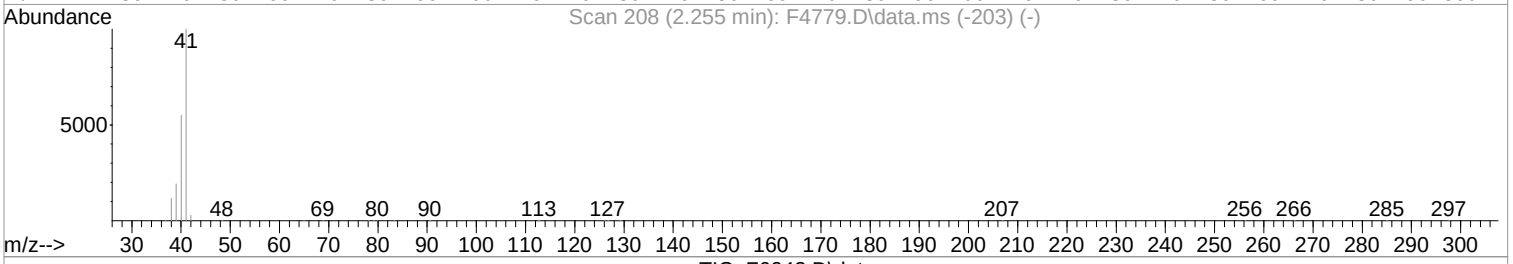
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\041919\
Data File : F6042.D
Acq On : 19 Apr 2019 1:07 pm
Operator : F.NAEGLER
Sample : 5.0 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 19 13:39:03 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
Quant Title : MS#14 - 8260 SOILS 10ml PURGE
QLast Update : Fri Apr 19 13:38:52 2019
Response via : Initial Calibration







TIC: F6042.D\data.ms

(19) Acetonitrile

2.261min (-0.000) 24.01 ug/L m

response 4507

Ion	Exp%	Act%
40.00	100	100
41.00	195.40	163.97#
39.00	43.30	49.66
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

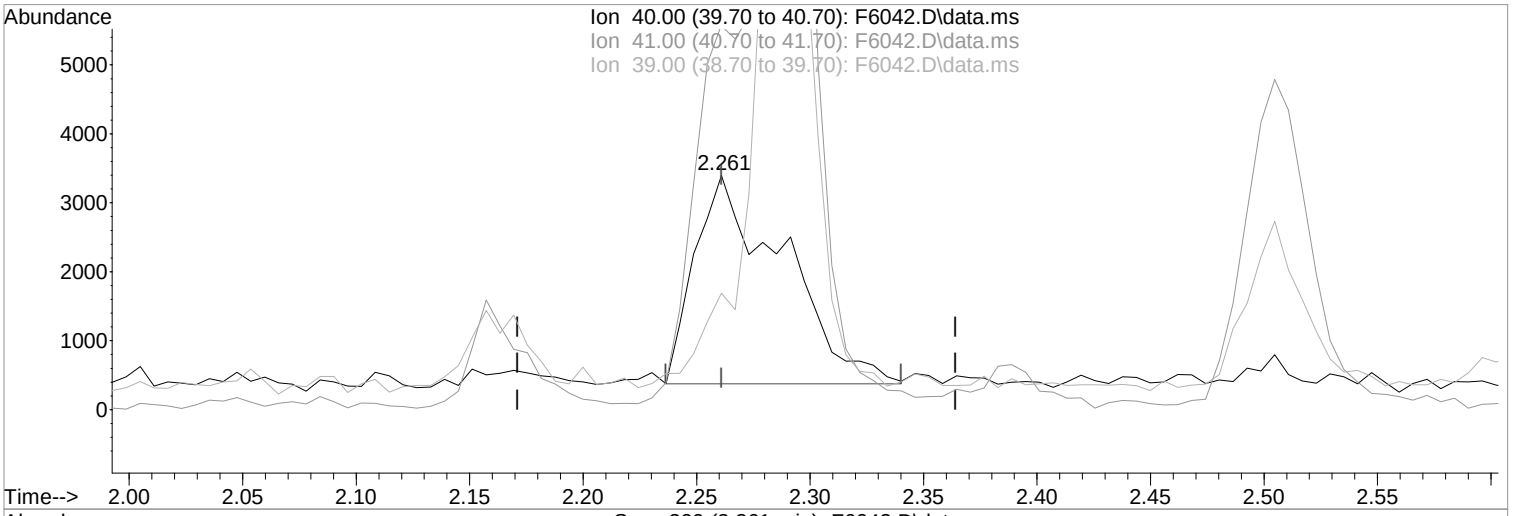
04/19/19

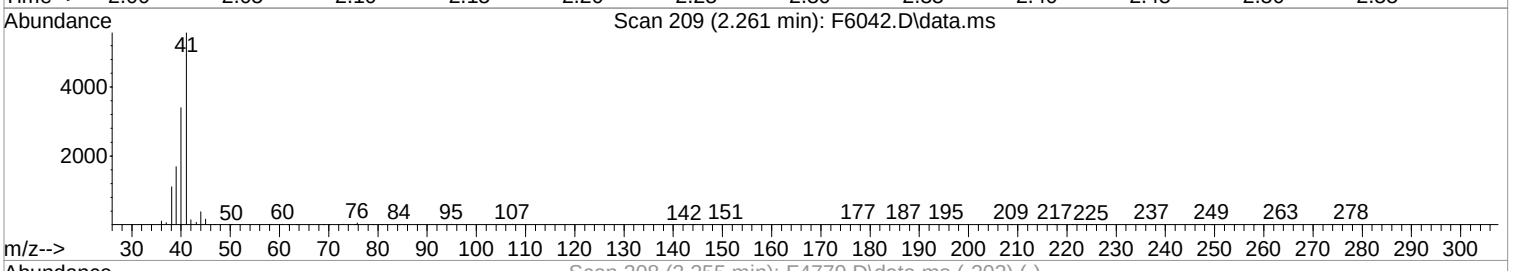
1st FW 04/22/19
2nd 04/22/19

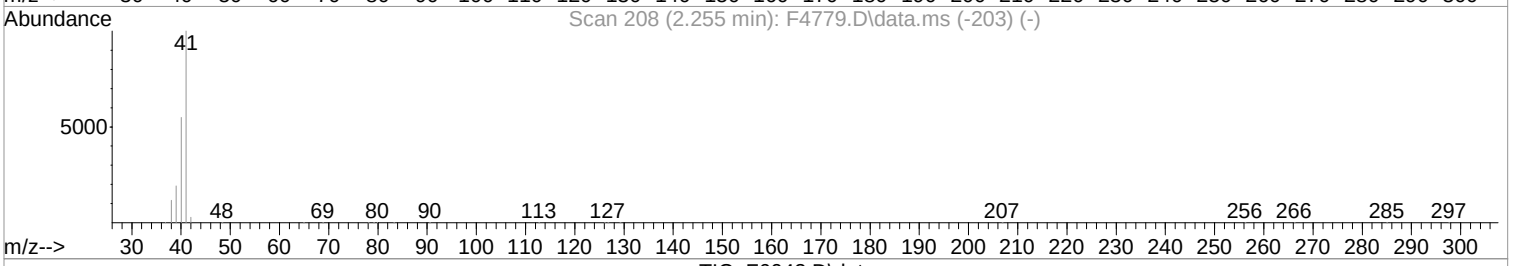
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\041919\
Data File : F6042.D
Acq On : 19 Apr 2019 1:07 pm
Operator : F.NAEGLER
Sample : 5.0 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 19 13:39:03 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
Quant Title : MS#14 - 8260 SOILS 10ml PURGE
QLast Update : Fri Apr 19 13:38:52 2019
Response via : Initial Calibration







TIC: F6042.D\data.ms

(19) Acetonitrile

2.261min (-0.000) 43.92 ug/L

response 8243

Ion	Exp%	Act%
40.00	100	100
41.00	195.40	163.97#
39.00	43.30	49.66
0.00	0.00	0.00

Manual Integration:

Before

04/19/19

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\041919\
Data File : F6042.D
Acq On : 19 Apr 2019 1:07 pm
Operator : F.NAEGLER
Sample : 5.0 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 19 13:39:55 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
Quant Title : MS#14 - 8260 SOILS 10ml PURGE
QLast Update : Fri Apr 19 13:38:52 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	4.687	168	349733	50.00	ug/L		0.00
42) 1,4-Difluorobenzene	5.937	114	543220	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.576	117	475001	50.00	ug/L		0.00
87) 1,4-Dichlorobenzene-d4	11.735	152	242810	50.00	ug/L		0.00
System Monitoring Compounds							
44) SURR4,Dibrflmethane	4.541	113	33667	9.09	ug/L		0.00
Spiked Amount 50.000	Range 63 - 138		Recovery = 18.18%#				
47) SURR1,1,2-dichloroetha...	5.120	65	42778	10.58	ug/L		0.00
Spiked Amount 50.000	Range 67 - 128		Recovery = 21.16%#				
64) SURR3,Toluene-d8	7.949	98	146660	9.72	ug/L		0.00
Spiked Amount 50.000	Range 66 - 138		Recovery = 19.44%#				
69) SURR2,BFB	10.729	95	62530	10.71	ug/L		0.00
Spiked Amount 50.000	Range 31 - 154		Recovery = 21.42%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.042	85	20451	4.43	ug/L		96
3) Chloromethane	1.151	50	21453	4.75	ug/L		100
4) Vinyl Chloride	1.218	62	20335	4.90	ug/L		97
5) Bromomethane	1.413	94	12885	4.88	ug/L		92
6) Chloroethane	1.481	64	11849	5.15	ug/L		91
7) Freon 21	1.602	67	31156	5.41	ug/L		99
8) Trichlorofluoromethane	1.651	101	24330	5.09	ug/L		99
9) Diethyl Ether	1.846	59	15453	5.12	ug/L		96
10) Freon 123a	1.846	67	19239	5.35	ug/L		97
11) Freon 123	1.889	83	22692	5.45	ug/L		95
12) Acrolein	1.926	56	17436	26.34	ug/L		93
13) 1,1-Diclethene	2.005	96	14413	4.82	ug/L		98
14) Freon 113	2.011	101	14820	5.11	ug/L		98
15) Acetone	2.047	43	8089	5.11	ug/L		85
16) 2-Propanol	2.157	45	26056	91.54	ug/L		99
17) Iodomethane	2.121	142	14503	3.90	ug/L		91
18) Carbon Disulfide	2.176	76	41039	4.75	ug/L		99
19) Acetonitrile	2.261	40	4507m	24.01	ug/L		
20) Allyl Chloride	2.291	76	8208	5.23	ug/L	#	84
21) Methyl Acetate	2.316	43	13552	5.03	ug/L		97
22) Methylene Chloride	2.389	84	18192	4.70	ug/L		96
23) TBA	2.505	59	46733	93.39	ug/L		95
24) Acrylonitrile	2.602	53	32669	25.12	ug/L		93
25) Methyl-t-Butyl Ether	2.657	73	49975	4.83	ug/L		100
26) trans-1,2-Dichloroethene	2.645	96	16250	4.89	ug/L		97
27) 1,1-Diclethane	3.066	63	30169	5.02	ug/L		95
28) Vinyl Acetate	3.145	86	3159	4.97	ug/L	#	74
29) DIPE	3.188	45	51418	4.95	ug/L		93
30) 2-Chloro-1,3-Butadiene	3.175	53	20850	5.02	ug/L		98
31) ETBE	3.639	59	46983	4.69	ug/L		96
32) 2,2-Dichloropropane	3.779	77	22416	4.77	ug/L		97
33) cis-1,2-Dichloroethene	3.785	96	18384	4.81	ug/L		100
34) 2-Butanone	3.834	43	9251	4.91	ug/L		95
35) Propionitrile	3.895	54	12241	23.99	ug/L		85
36) Bromochloromethane	4.120	130	11704	4.74	ug/L	#	81
37) Methacrylonitrile	4.126	67	7523	4.94	ug/L	#	72
38) Tetrahydrofuran	4.224	42	6099	5.40	ug/L		96
39) Chloroform	4.273	83	29057	4.91	ug/L		95
40) 1,1,1-Trichloroethane	4.553	97	23229	4.87	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\041919\
Data File : F6042.D
Acq On : 19 Apr 2019 1:07 pm
Operator : F.NAEGLER
Sample : 5.0 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 19 13:39:55 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
Quant Title : MS#14 - 8260 SOILS 10ml PURGE
QLast Update : Fri Apr 19 13:38:52 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) TAME	5.516	73	43200	4.48	ug/L		97
43) Cyclohexane	4.638	41	16023	5.49	ug/L		94
45) Carbontetrachloride	4.846	121	5409	4.37	ug/L	#	71
46) 1,1-Dichloropropene	4.852	75	22116	4.97	ug/L		93
48) Benzene	5.218	78	67387	4.74	ug/L		94
49) 1,2-Dichloroethane	5.254	62	23375	4.91	ug/L		95
50) Iso-Butyl Alcohol	5.254	43	17232	87.83	ug/L		97
51) n-Heptane	5.803	43	18657	4.36	ug/L		99
52) 1-Butanol	6.370	56	26710	199.05	ug/L		92
53) Trichloroethene	6.303	130	19428	4.65	ug/L		96
54) Methylcyclohexane	6.571	55	21734	5.05	ug/L		97
55) 1,2-Diclpropane	6.614	63	17743	4.70	ug/L		93
56) Dibromomethane	6.760	93	11161	4.76	ug/L		94
57) 1,4-Dioxane	6.864	88	5130	88.61	ug/L		98
58) Methyl Methacrylate	6.888	69	11447	4.23	ug/L		93
59) Bromodichloromethane	7.022	83	19698	4.42	ug/L		98
60) 2-Nitropropane	7.333	41	7417	6.41	ug/L	#	81
61) 2-Chloroethylvinyl Ether	7.492	63	3147	6.18	ug/L		98
62) cis-1,3-Dichloropropene	7.626	75	25762	4.30	ug/L		94
63) 4-Methyl-2-pentanone	7.863	43	15954	4.56	ug/L		92
65) Toluene	8.028	91	72850	4.71	ug/L		99
66) trans-1,3-Dichloropropene	8.327	75	22041	4.24	ug/L		94
67) Ethyl Methacrylate	8.504	69	20991	4.31	ug/L		98
68) 1,1,2-Trichloroethane	8.528	97	16032	4.64	ug/L		84
71) Tetrachloroethene	8.674	164	14257	4.58	ug/L		97
72) 2-Hexanone	8.869	43	11669	4.65	ug/L		99
73) 1,3-Dichloropropane	8.711	76	27557	4.64	ug/L		94
74) Dibromochloromethane	8.961	129	13520	4.09	ug/L		98
75) N-Butyl Acetate	9.052	43	23472	4.59	ug/L		94
76) 1,2-Dibromoethane	9.058	107	15165	4.35	ug/L		98
77) Chlorobenzene	9.607	112	46617	4.53	ug/L		96
78) 1,1,1,2-Tetrachloroethane	9.705	131	14386	4.21	ug/L		100
79) Ethylbenzene	9.747	106	25086	4.75	ug/L		93
80) (m+p)Xylene	9.869	106	59341	9.03	ug/L		97
81) o-Xylene	10.247	106	29418	4.54	ug/L		93
82) Styrene	10.265	104	48181	4.45	ug/L		91
83) Bromoform	10.412	173	7442	3.70	ug/L		98
84) Isopropylbenzene	10.607	105	77326	4.67	ug/L		98
85) Cyclohexanone	10.656	55	56992	89.47	ug/L		94
86) trans-1,4-Dichloro-2-B...	10.930	53	4458	4.70	ug/L		95
88) 1,1,2,2-Tetrachloroethane	10.881	83	18918	4.89	ug/L		94
89) Bromobenzene	10.845	156	20412	4.59	ug/L		98
90) 1,2,3-Trichloropropane	10.899	110	6427	4.66	ug/L		90
91) n-Propylbenzene	10.979	91	89814	4.89	ug/L		99
92) 2-Chlorotoluene	11.034	91	54968	4.84	ug/L		97
93) 4-Chlorotoluene	11.131	91	63986	4.95	ug/L		95
94) 1,3,5-Trimethylbenzene	11.143	105	62978	4.77	ug/L		98
95) tert-Butylbenzene	11.418	119	56833	4.84	ug/L		99
96) 1,2,4-Trimethylbenzene	11.460	105	62905	4.73	ug/L		99
97) sec-Butylbenzene	11.607	105	85123	4.91	ug/L		99
98) p-Isopropyltoluene	11.741	119	68312	4.75	ug/L		97
99) 1,3-Dclbenz	11.680	146	38311	4.57	ug/L		96
100) 1,4-Dclbenz	11.759	146	39422	4.66	ug/L		96
101) n-Butylbenzene	12.076	91	61323	4.81	ug/L		98
102) 1,2-Dclbenz	12.064	146	36639	4.54	ug/L		99
103) 1,2-Dibromo-3-chloropr...	12.698	157	2972	3.69	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\041919\
Data File : F6042.D
Acq On : 19 Apr 2019 1:07 pm
Operator : F.NAEGLER
Sample : 5.0 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 19 13:39:55 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
Quant Title : MS#14 - 8260 SOILS 10ml PURGE
QLast Update : Fri Apr 19 13:38:52 2019
Response via : Initial Calibration

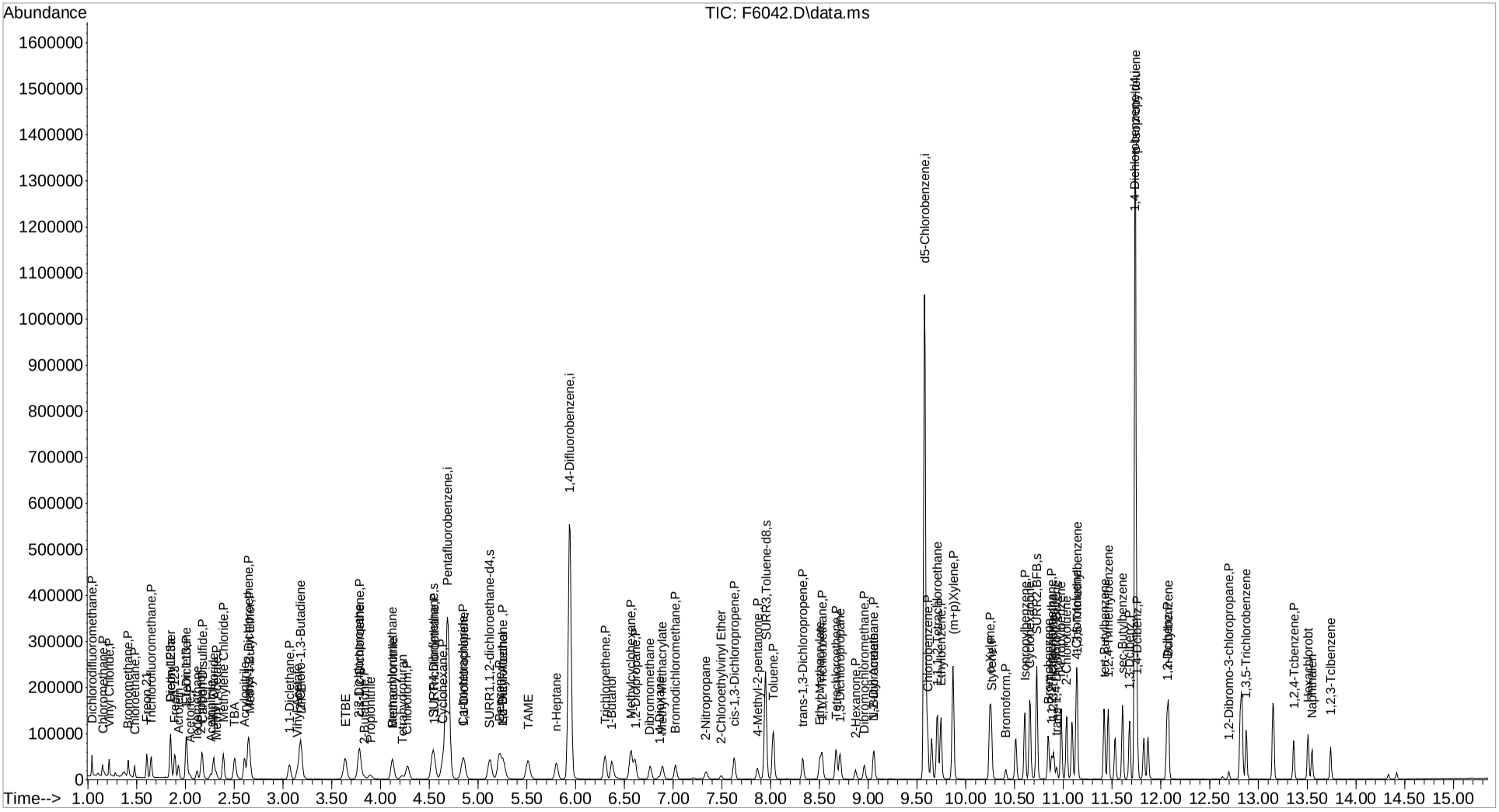
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3,5-Trichlorobenzene	12.875	180	24669	4.29	ug/L	97
105) 1,2,4-Tcbenzene	13.362	180	19323	3.75	ug/L	98
106) Hexachlorobt	13.509	225	13540	4.42	ug/L	97
107) Naphthalen	13.551	128	36856	3.57	ug/L	97
108) 1,2,3-Tclbenzene	13.740	180	15211	3.41	ug/L	100

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\041919\
Data File : F6042.D
Acq On : 19 Apr 2019 1:07 pm
Operator : F.NAEGLER
Sample : 5.0 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 19 13:39:55 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
Quant Title : MS#14 - 8260 SOILS 10ml PURGE
QLast Update : Fri Apr 19 13:38:52 2019
Response via : Initial Calibration



1st FJ 04/22/19
2nd 04/22/19

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\041919\
Data File : F6043.D
Acq On : 19 Apr 2019 1:33 pm
Operator : F.NAEGLER
Sample : 20.0 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 19 13:49:21 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
Quant Title : MS#14 - 8260 SOILS 10ml PURGE
QLast Update : Fri Apr 19 13:41:36 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	4.687	168	345831	50.00	ug/L		0.00
42) 1,4-Difluorobenzene	5.937	114	548564	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.577	117	480433	50.00	ug/L		0.00
87) 1,4-Dichlorobenzene-d4	11.735	152	252857	50.00	ug/L		0.00
System Monitoring Compounds							
44) SURR4,Dibrflmethane	4.535	113	60355	17.49	ug/L		0.00
Spiked Amount 50.000	Range 63 - 138		Recovery = 34.98%#				
47) SURR1,1,2-dichloroetha...	5.120	65	73973	19.05	ug/L		0.00
Spiked Amount 50.000	Range 67 - 128		Recovery = 38.10%#				
64) SURR3,Toluene-d8	7.943	98	244298	17.27	ug/L		0.00
Spiked Amount 50.000	Range 66 - 138		Recovery = 34.54%#				
69) SURR2,BFB	10.729	95	101918	18.27	ug/L		0.00
Spiked Amount 50.000	Range 31 - 154		Recovery = 36.54%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.042	85	89616	19.79	ug/L		97
3) Chloromethane	1.152	50	85363	19.21	ug/L		99
4) Vinyl Chloride	1.219	62	82474	20.08	ug/L		99
5) Bromomethane	1.414	94	48539	18.76	ug/L		100
6) Chloroethane	1.481	64	48891	21.66	ug/L		98
7) Freon 21	1.603	67	119648	20.87	ug/L		98
8) Trichlorofluoromethane	1.651	101	96440	20.55	ug/L		97
9) Diethyl Ether	1.847	59	60891	20.49	ug/L		95
10) Freon 123a	1.847	67	74610	20.91	ug/L		97
11) Freon 123	1.889	83	85744	20.74	ug/L		96
12) Acrolein	1.926	56	70337	106.07	ug/L		96
13) 1,1-Diclethene	2.005	96	59093	20.27	ug/L		97
14) Freon 113	2.011	101	58658	20.52	ug/L		91
15) Acetone	2.042	43	27934	17.93	ug/L		91
16) 2-Propanol	2.157	45	102878	366.94	ug/L		96
17) Iodomethane	2.115	142	88763	23.81	ug/L		97
18) Carbon Disulfide	2.170	76	192456	22.62	ug/L		99
19) Acetonitrile	2.255	40	16105	88.83	ug/L	#	86
20) Allyl Chloride	2.292	76	32424	20.81	ug/L	#	88
21) Methyl Acetate	2.310	43	51456	19.20	ug/L		97
22) Methylene Chloride	2.389	84	70642	18.68	ug/L		92
23) TBA	2.499	59	167546	341.06	ug/L		98
24) Acrylonitrile	2.602	53	125210	97.69	ug/L		99
25) Methyl-t-Butyl Ether	2.651	73	198575	19.50	ug/L		97
26) trans-1,2-Dichloroethene	2.645	96	66198	20.28	ug/L		98
27) 1,1-Diclethane	3.066	63	122546	20.72	ug/L		99
28) Vinyl Acetate	3.145	86	13166	20.95	ug/L	#	95
29) DIPE	3.182	45	228099	22.32	ug/L		94
30) 2-Chloro-1,3-Butadiene	3.176	53	96786	23.63	ug/L		97
31) ETBE	3.633	59	208603	21.21	ug/L		97
32) 2,2-Dichloropropane	3.779	77	90735	19.76	ug/L		98
33) cis-1,2-Dichloroethene	3.785	96	74206	19.84	ug/L		99
34) 2-Butanone	3.828	43	35693	19.24	ug/L		98
35) Propionitrile	3.889	54	50631	100.74	ug/L		97
36) Bromochloromethane	4.120	130	46546	19.38	ug/L	#	84
37) Methacrylonitrile	4.114	67	29009	19.25	ug/L		88
38) Tetrahydrofuran	4.212	42	21395	18.95	ug/L		97
39) Chloroform	4.273	83	117302	20.17	ug/L		97
40) 1,1,1-Trichloroethane	4.547	97	94824	20.22	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\041919\
Data File : F6043.D
Acq On : 19 Apr 2019 1:33 pm
Operator : F.NAEGLER
Sample : 20.0 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 19 13:49:21 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
Quant Title : MS#14 - 8260 SOILS 10ml PURGE
QLast Update : Fri Apr 19 13:41:36 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) TAME	5.510	73	195140	20.69	ug/L	97
43) Cyclohexane	4.639	41	61816	20.82	ug/L	87
45) Carbontetrachloride	4.834	121	22348	18.23	ug/L	84
46) 1,1-Dichloropropene	4.852	75	86360	19.31	ug/L	93
48) Benzene	5.218	78	270397	19.02	ug/L	94
49) 1,2-Dichloroethane	5.254	62	95128	19.85	ug/L	94
50) Iso-Butyl Alcohol	5.254	43	66987	341.74	ug/L	100
51) n-Heptane	5.803	43	97553	23.22	ug/L	95
52) 1-Butanol	6.370	56	116569	870.56	ug/L	96
53) Trichloroethene	6.297	130	77106	18.63	ug/L	99
54) Methylcyclohexane	6.565	55	89527	20.78	ug/L	98
55) 1,2-Diclpropane	6.608	63	72483	19.18	ug/L	95
56) Dibromomethane	6.760	93	43334	18.51	ug/L	99
57) 1,4-Dioxane	6.852	88	19389	335.78	ug/L	98
58) Methyl Methacrylate	6.888	69	47557	17.65	ug/L	97
59) Bromodichloromethane	7.022	83	83910	18.76	ug/L	99
60) 2-Nitropropane	7.339	41	32507	33.73	ug/L	94
61) 2-Chloroethylvinyl Ether	7.486	63	14835	26.64	ug/L	98
62) cis-1,3-Dichloropropene	7.626	75	109833	18.44	ug/L	96
63) 4-Methyl-2-pentanone	7.864	43	66575	18.86	ug/L	97
65) Toluene	8.028	91	294773	19.08	ug/L	98
66) trans-1,3-Dichloropropene	8.327	75	94033	18.14	ug/L	99
67) Ethyl Methacrylate	8.504	69	86700	17.84	ug/L	90
68) 1,1,2-Trichloroethane	8.528	97	62470	18.14	ug/L	90
71) Tetrachloroethene	8.668	164	57096	18.78	ug/L	95
72) 2-Hexanone	8.870	43	48884	19.30	ug/L	94
73) 1,3-Dichloropropane	8.711	76	110084	18.56	ug/L	95
74) Dibromochloromethane	8.961	129	57807	17.50	ug/L	96
75) N-Butyl Acetate	9.052	43	99193	19.20	ug/L	91
76) 1,2-Dibromoethane	9.059	107	62399	17.92	ug/L	98
77) Chlorobenzene	9.607	112	190847	18.61	ug/L	99
78) 1,1,1,2-Tetrachloroethane	9.705	131	61850	18.15	ug/L	97
79) Ethylbenzene	9.747	106	100506	18.98	ug/L	98
80) (m+p)Xylene	9.869	106	250958	38.43	ug/L	96
81) o-Xylene	10.247	106	123387	19.12	ug/L	98
82) Styrene	10.259	104	206166	19.09	ug/L	99
83) Bromoform	10.412	173	31576	15.75	ug/L	97
84) Isopropylbenzene	10.607	105	328444	19.93	ug/L	100
85) Cyclohexanone	10.656	55	227717	355.32	ug/L	91
86) trans-1,4-Dichloro-2-B...	10.930	53	17722	18.42	ug/L	95
88) 1,1,2,2-Tetrachloroethane	10.881	83	72220	17.90	ug/L	98
89) Bromobenzene	10.845	156	82754	18.16	ug/L	98
90) 1,2,3-Trichloropropane	10.900	110	26276	18.52	ug/L	98
91) n-Propylbenzene	10.979	91	392411	20.60	ug/L	99
92) 2-Chlorotoluene	11.034	91	229065	19.51	ug/L	98
93) 4-Chlorotoluene	11.131	91	263067	19.63	ug/L	95
94) 1,3,5-Trimethylbenzene	11.143	105	271540	19.97	ug/L	98
95) tert-Butylbenzene	11.418	119	238945	19.72	ug/L	99
96) 1,2,4-Trimethylbenzene	11.460	105	276354	20.15	ug/L	100
97) sec-Butylbenzene	11.607	105	375165	20.91	ug/L	98
98) p-Isopropyltoluene	11.735	119	308065	20.74	ug/L	99
99) 1,3-Dclbenz	11.680	146	160652	18.67	ug/L	97
100) 1,4-Dclbenz	11.759	146	162486	18.68	ug/L	96
101) n-Butylbenzene	12.076	91	287561	21.75	ug/L	95
102) 1,2-Dclbenz	12.064	146	152617	18.48	ug/L	98
103) 1,2-Dibromo-3-chloropr...	12.698	157	13147	15.92	ug/L	94

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\041919\
Data File : F6043.D
Acq On : 19 Apr 2019 1:33 pm
Operator : F.NAEGLER
Sample : 20.0 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 19 13:49:21 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
Quant Title : MS#14 - 8260 SOILS 10ml PURGE
QLast Update : Fri Apr 19 13:41:36 2019
Response via : Initial Calibration

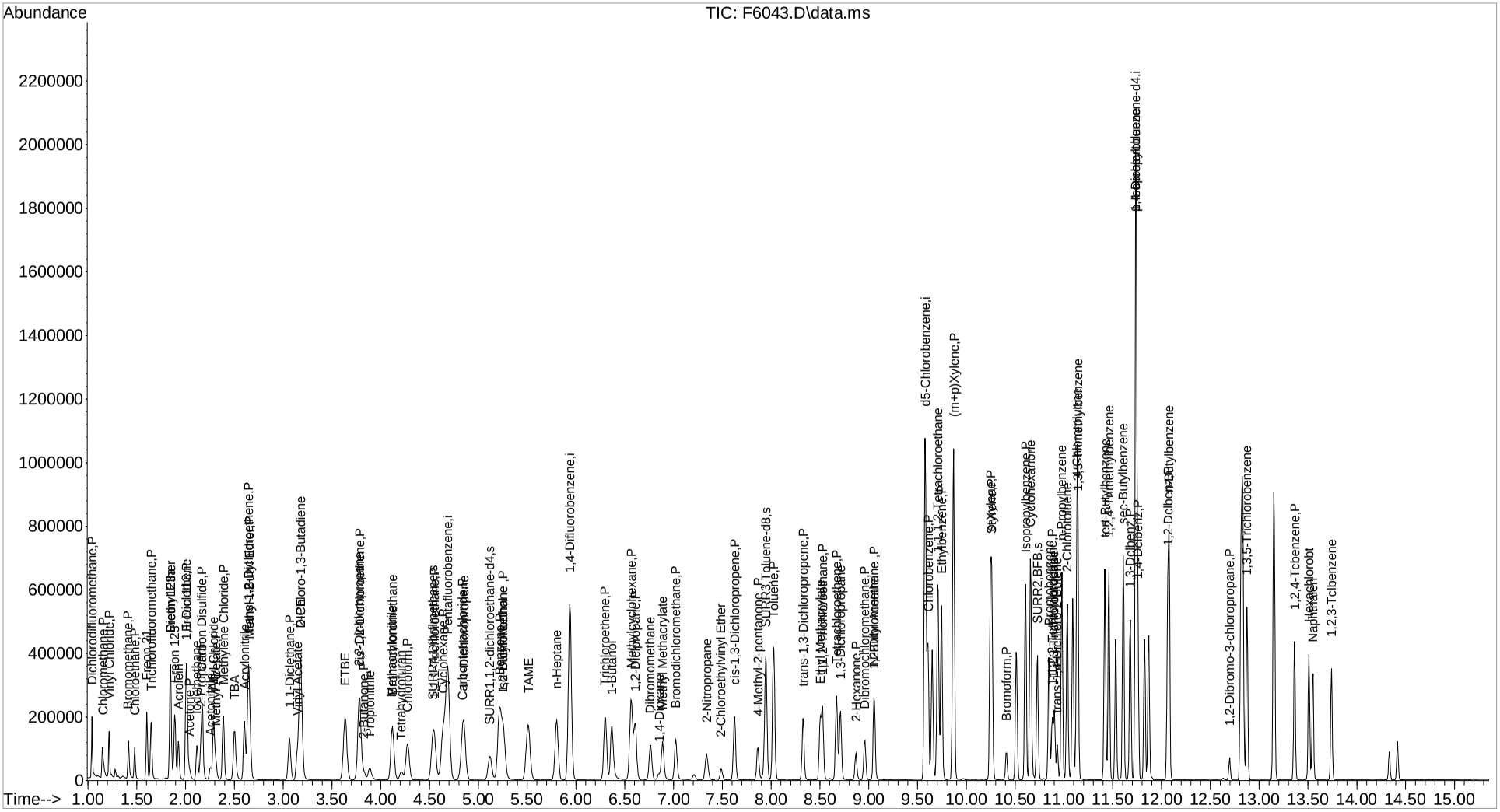
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3,5-Trichlorobenzene	12.875	180	123681	21.29	ug/L	99
105) 1,2,4-Tcbenzene	13.363	180	98140	19.17	ug/L	98
106) Hexachlorobt	13.509	225	54045	17.43	ug/L	96
107) Naphthalen	13.552	128	195752	18.96	ug/L	97
108) 1,2,3-Tclbenzene	13.741	180	79044	18.01	ug/L	99

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\041919\
Data File : F6043.D
Acq On : 19 Apr 2019 1:33 pm
Operator : F.NAEGLER
Sample : 20.0 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 19 13:49:21 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
Quant Title : MS#14 - 8260 SOILS 10ml PURGE
QLast Update : Fri Apr 19 13:41:36 2019
Response via : Initial Calibration



1st FJ 04/22/19
2nd 04/22/19

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\041919\
Data File : F6044.D
Acq On : 19 Apr 2019 1:56 pm
Operator : F.NAEGLER
Sample : 50.0 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 19 14:26:06 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
Quant Title : MS#14 - 8260 SOILS 10ml PURGE
QLast Update : Fri Apr 19 13:54:32 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	4.687	168	353746	50.00	ug/L		0.00
42) 1,4-Difluorobenzene	5.943	114	555325	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.577	117	483140	50.00	ug/L		0.00
87) 1,4-Dichlorobenzene-d4	11.735	152	254963	50.00	ug/L		0.00
System Monitoring Compounds							
44) SURR4,Dibrflmethane	4.535	113	169822	52.28	ug/L		0.00
Spiked Amount 50.000	Range 63 - 138		Recovery = 104.56%				
47) SURR1,1,2-dichloroetha...	5.120	65	202075	49.79	ug/L		0.00
Spiked Amount 50.000	Range 67 - 128		Recovery = 99.58%				
64) SURR3,Toluene-d8	7.949	98	688222	50.31	ug/L		0.00
Spiked Amount 50.000	Range 66 - 138		Recovery = 100.62%				
69) SURR2,BFB	10.729	95	265805	46.02	ug/L		0.00
Spiked Amount 50.000	Range 31 - 154		Recovery = 92.04%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.042	85	219154	48.46	ug/L		99
3) Chloromethane	1.152	50	214320	46.26	ug/L		99
4) Vinyl Chloride	1.219	62	205220	47.47	ug/L		98
5) Bromomethane	1.414	94	115132	37.32	ug/L		97
6) Chloroethane	1.481	64	119588	47.06	ug/L		99
7) Freon 21	1.609	67	312086	48.21	ug/L		98
8) Trichlorofluoromethane	1.651	101	233507	46.08	ug/L		95
9) Diethyl Ether	1.847	59	154272	49.64	ug/L		97
10) Freon 123a	1.847	67	195250	48.01	ug/L		97
11) Freon 123	1.895	83	219596	47.68	ug/L		99
12) Acrolein	1.932	56	179207	250.99	ug/L		99
13) 1,1-Diclethene	2.011	96	147212	47.97	ug/L		93
14) Freon 113	2.017	101	147762	46.81	ug/L		91
15) Acetone	2.048	43	68902	44.96	ug/L		90
16) 2-Propanol	2.164	45	285229	1051.63	ug/L		97
17) Iodomethane	2.121	142	226227	68.78	ug/L		95
18) Carbon Disulfide	2.176	76	444692	48.36	ug/L		98
19) Acetonitrile	2.255	40	59706	341.33	ug/L		91
20) Allyl Chloride	2.292	76	80283	47.54	ug/L	#	88
21) Methyl Acetate	2.316	43	133840	48.33	ug/L		95
22) Methylene Chloride	2.389	84	179920	43.39	ug/L		93
23) TBA	2.505	59	494918	1018.68	ug/L		99
24) Acrylonitrile	2.609	53	343274	267.80	ug/L		99
25) Methyl-t-Butyl Ether	2.657	73	521613	51.24	ug/L		100
26) trans-1,2-Dichloroethene	2.645	96	165011	48.46	ug/L		96
27) 1,1-Diclethane	3.066	63	308710	49.14	ug/L		96
28) Vinyl Acetate	3.151	86	33885	57.93	ug/L		97
29) DIPE	3.188	45	546703	50.43	ug/L		95
30) 2-Chloro-1,3-Butadiene	3.176	53	219618	48.05	ug/L		100
31) ETBE	3.639	59	507081	51.12	ug/L		98
32) 2,2-Dichloropropane	3.779	77	231418	48.08	ug/L		97
33) cis-1,2-Dichloroethene	3.785	96	189424	49.25	ug/L		100
34) 2-Butanone	3.828	43	92057	46.94	ug/L		96
35) Propionitrile	3.889	54	136770	273.86	ug/L		92
36) Bromochloromethane	4.120	130	118840	51.12	ug/L	#	89
37) Methacrylonitrile	4.120	67	81196	55.47	ug/L		93
38) Tetrahydrofuran	4.212	42	58713	48.63	ug/L		99
39) Chloroform	4.279	83	297947	48.82	ug/L		97
40) 1,1,1-Trichloroethane	4.553	97	239006	48.45	ug/L		97

1st FNJ 04/22/19
2nd 04/22/19

Data Path : I:\ACQUDATA\MSVOA14\Data\041919\
Data File : F6044.D
Acq On : 19 Apr 2019 1:56 pm
Operator : F.NAEGLER
Sample : 50.0 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 19 14:26:06 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
Quant Title : MS#14 - 8260 SOILS 10ml PURGE
QLast Update : Fri Apr 19 13:54:32 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) TAME	5.517	73	476868	51.75 ug/L	96
43) Cyclohexane	4.645	41	161551	47.53 ug/L	90
45) Carbontetrachloride	4.846	121	57566	48.56 ug/L #	80
46) 1,1-Dichloropropene	4.852	75	218050	47.40 ug/L	98
48) Benzene	5.224	78	683453	48.70 ug/L	96
49) 1,2-Dichloroethane	5.260	62	245068	50.18 ug/L	97
50) Iso-Butyl Alcohol	5.260	43	202792	1193.71 ug/L	96
51) n-Heptane	5.803	43	249203	55.67 ug/L	97
52) 1-Butanol	6.370	56	333735	3108.51 ug/L	95
53) Trichloroethene	6.303	130	191215	47.99 ug/L	96
54) Methylcyclohexane	6.565	55	238726	51.19 ug/L	97
55) 1,2-Diclpropane	6.608	63	189344	52.33 ug/L	97
56) Dibromomethane	6.766	93	113803	50.76 ug/L	95
57) 1,4-Dioxane	6.852	88	55793	1080.66 ug/L	95
58) Methyl Methacrylate	6.888	69	135316	57.22 ug/L	98
59) Bromodichloromethane	7.022	83	223227	53.28 ug/L	98
60) 2-Nitropropane	7.333	41	78403	98.05 ug/L	90
61) 2-Chloroethylvinyl Ether	7.486	63	42832	68.46 ug/L	99
62) cis-1,3-Dichloropropene	7.626	75	294108	54.63 ug/L	97
63) 4-Methyl-2-pentanone	7.864	43	181393	54.93 ug/L	99
65) Toluene	8.028	91	742118	48.62 ug/L	99
66) trans-1,3-Dichloropropene	8.327	75	255187	56.56 ug/L	99
67) Ethyl Methacrylate	8.504	69	243145	58.01 ug/L	94
68) 1,1,2-Trichloroethane	8.528	97	164008	50.65 ug/L	93
71) Tetrachloroethene	8.674	164	144189	48.94 ug/L	99
72) 2-Hexanone	8.870	43	133529	55.60 ug/L	93
73) 1,3-Dichloropropane	8.711	76	288469	51.16 ug/L	96
74) Dibromochloromethane	8.961	129	157680	55.73 ug/L	100
75) N-Butyl Acetate	9.052	43	271608	57.47 ug/L	92
76) 1,2-Dibromoethane	9.059	107	166465	52.11 ug/L	97
77) Chlorobenzene	9.607	112	488851	49.77 ug/L	97
78) 1,1,1,2-Tetrachloroethane	9.705	131	162487	53.48 ug/L	98
79) Ethylbenzene	9.747	106	261052	51.28 ug/L	97
80) (m+p)Xylene	9.869	106	652612	105.14 ug/L	97
81) o-Xylene	10.247	106	319250	52.36 ug/L	98
82) Styrene	10.259	104	546302	56.26 ug/L	99
83) Bromoform	10.412	173	91563	57.96 ug/L	98
84) Isopropylbenzene	10.607	105	835539	52.33 ug/L	100
85) Cyclohexanone	10.656	55	653028	1146.73 ug/L	91
86) trans-1,4-Dichloro-2-B...	10.930	53	50695	56.90 ug/L	94
88) 1,1,2,2-Tetrachloroethane	10.881	83	203790	52.49 ug/L	98
89) Bromobenzene	10.845	156	211967	48.98 ug/L	98
90) 1,2,3-Trichloropropane	10.900	110	70648	52.79 ug/L	96
91) n-Propylbenzene	10.979	91	993048	51.40 ug/L	99
92) 2-Chlorotoluene	11.034	91	589726	50.06 ug/L	97
93) 4-Chlorotoluene	11.131	91	680706	50.88 ug/L	96
94) 1,3,5-Trimethylbenzene	11.143	105	700440	52.86 ug/L	99
95) tert-Butylbenzene	11.418	119	612171	51.11 ug/L	97
96) 1,2,4-Trimethylbenzene	11.460	105	712775	54.04 ug/L	97
97) sec-Butylbenzene	11.607	105	941204	52.09 ug/L	98
98) p-Isopropyltoluene	11.735	119	779867	52.87 ug/L	98
99) 1,3-Dclbenz	11.680	146	409208	49.04 ug/L	98
100) 1,4-Dclbenz	11.759	146	415427	49.07 ug/L	96
101) n-Butylbenzene	12.076	91	741581	55.55 ug/L	96
102) 1,2-Dclbenz	12.064	146	400531	51.80 ug/L	97
103) 1,2-Dibromo-3-chloropr...	12.698	157	40201	61.67 ug/L	95

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\041919\
Data File : F6044.D
Acq On : 19 Apr 2019 1:56 pm
Operator : F.NAEGLER
Sample : 50.0 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 19 14:26:06 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
Quant Title : MS#14 - 8260 SOILS 10ml PURGE
QLast Update : Fri Apr 19 13:54:32 2019
Response via : Initial Calibration

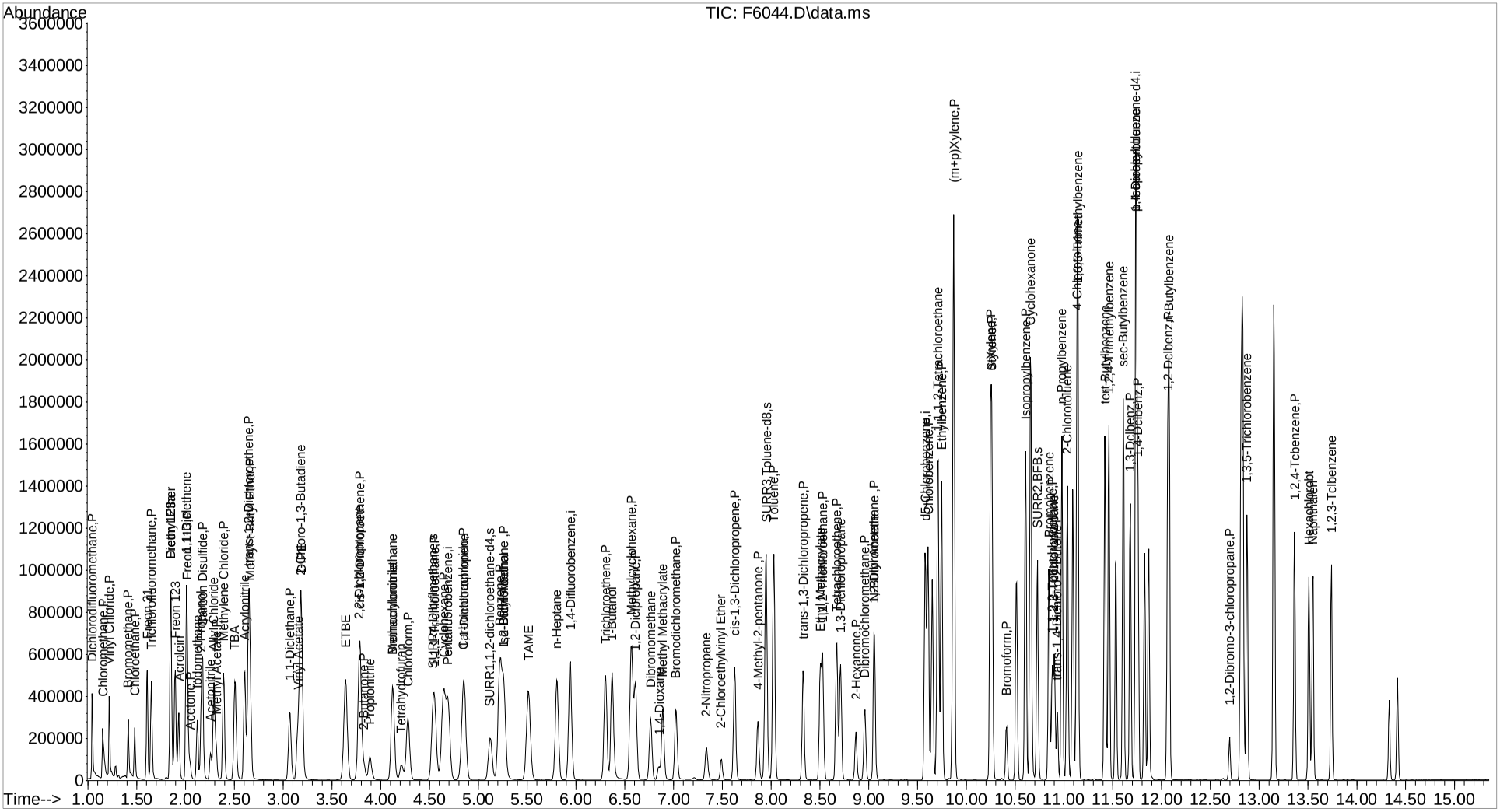
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3,5-Trichlorobenzene	12.875	180	295042	58.21	ug/L	99
105) 1,2,4-Tcbenzene	13.363	180	265465	69.43	ug/L	97
106) Hexachlorobt	13.509	225	137530	48.63	ug/L	97
107) Naphthalen	13.552	128	589323	85.87	ug/L	97
108) 1,2,3-Tclbenzene	13.741	180	227583	75.85	ug/L	97

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\041919\
Data File : F6044.D
Acq On : 19 Apr 2019 1:56 pm
Operator : F.NAEGLER
Sample : 50.0 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 19 14:26:06 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
Quant Title : MS#14 - 8260 SOILS 10ml PURGE
QLast Update : Fri Apr 19 13:54:32 2019
Response via : Initial Calibration

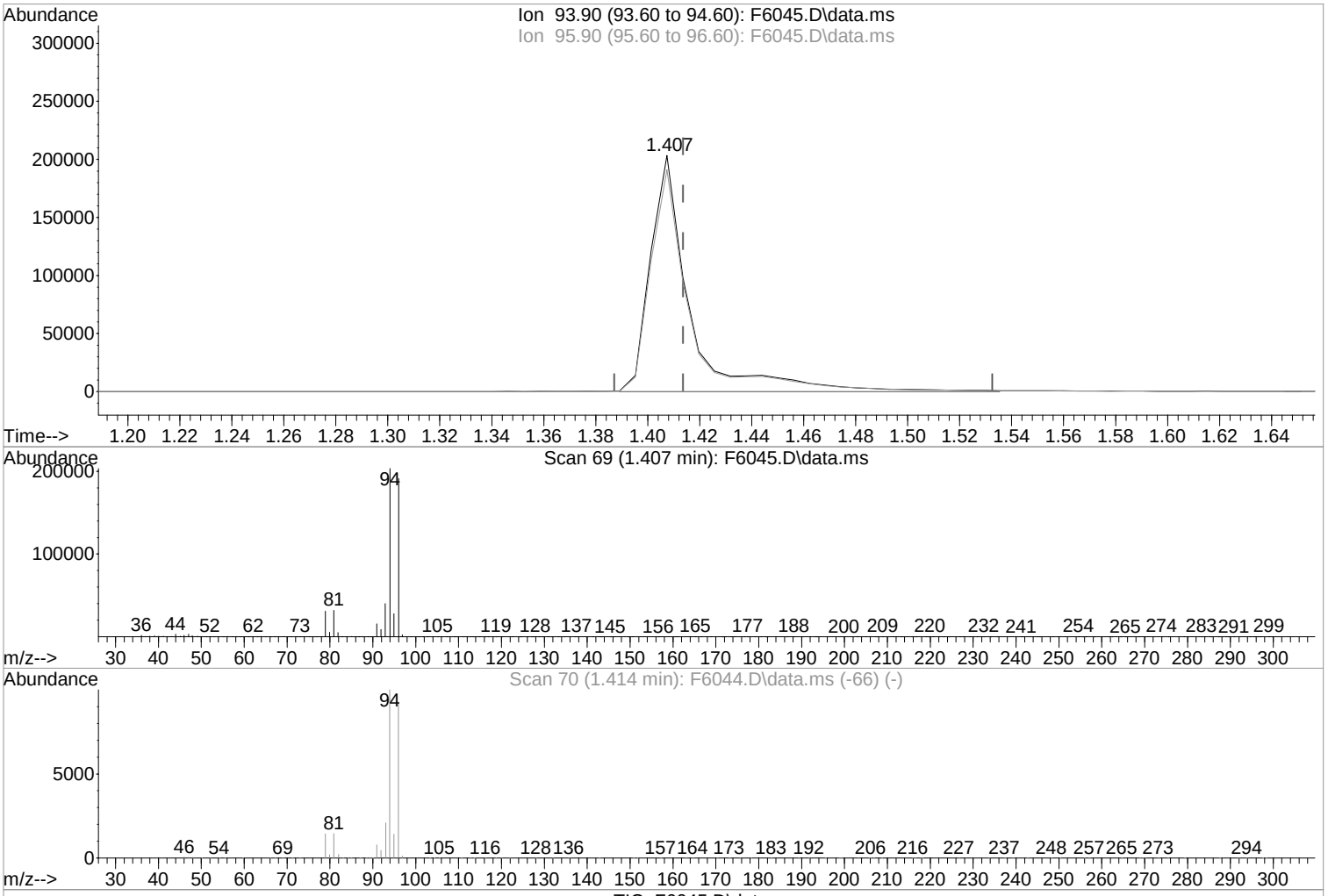


1st FJ 04/22/19
2nd 04/22/19

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\041919\
Data File : F6045.D
Acq On : 19 Apr 2019 2:19 pm
Operator : F.NAEGLER
Sample : 100.0 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 19 14:37:02 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
Quant Title : MS#14 - 8260 SOILS 10ml PURGE
QLast Update : Fri Apr 19 14:27:08 2019
Response via : Initial Calibration



TIC: F6045.D\data.ms

(5) Bromomethane (P)

1.407min (-0.006) 71.26 ug/L m

response 214268

Ion	Exp%	Act%
93.90	100	100
95.90	95.40	94.02
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

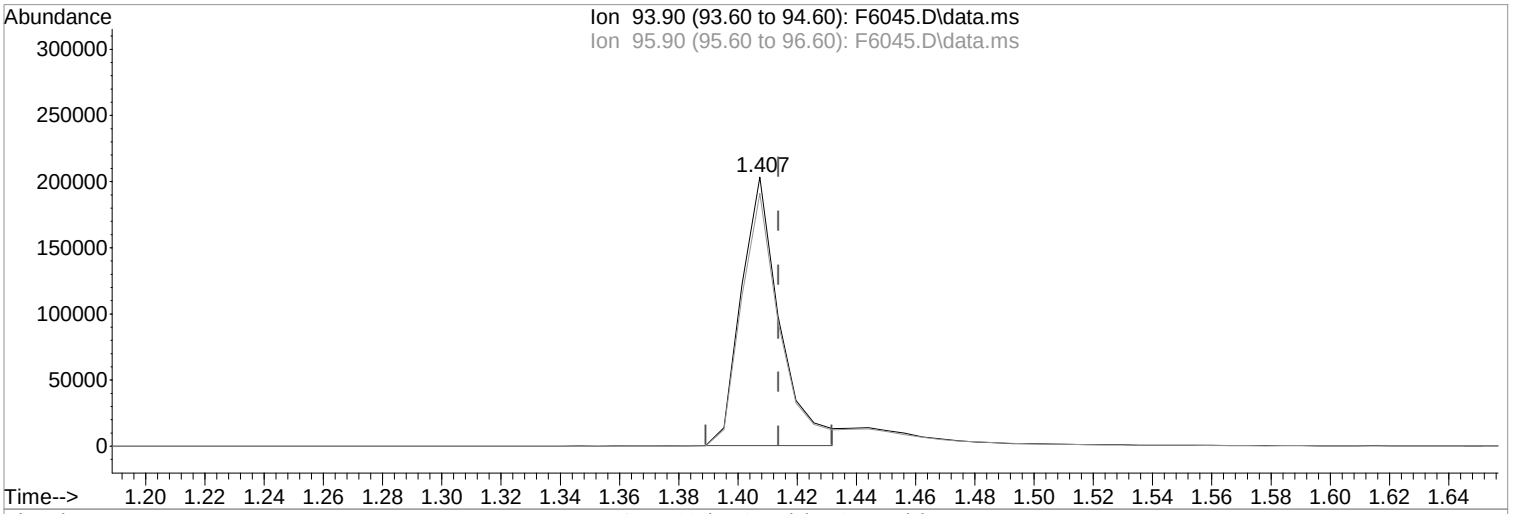
Poor integration.

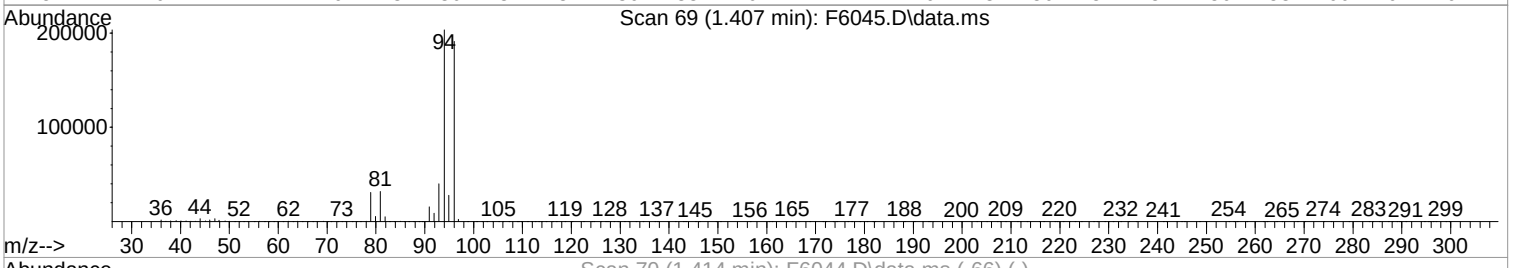
04/19/19

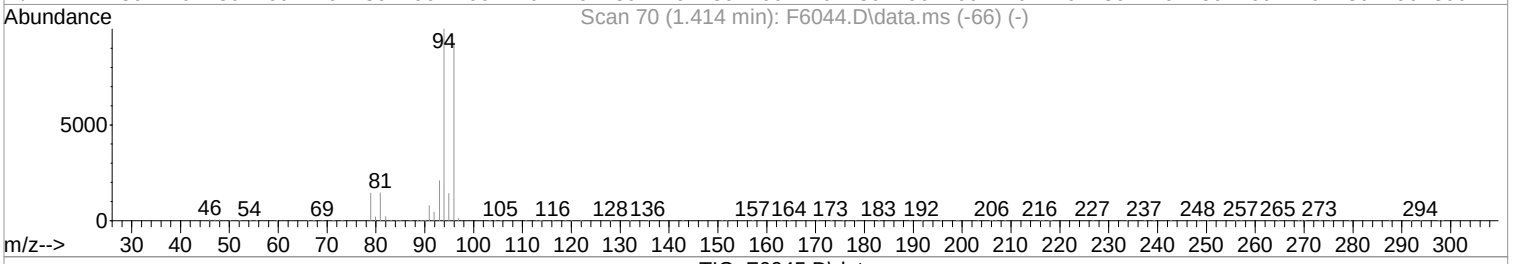
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\041919\
Data File : F6045.D
Acq On : 19 Apr 2019 2:19 pm
Operator : F.NAEGLER
Sample : 100.0 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 19 14:37:02 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
Quant Title : MS#14 - 8260 SOILS 10ml PURGE
QLast Update : Fri Apr 19 14:27:08 2019
Response via : Initial Calibration







TIC: F6045.D\data.ms

(5) Bromomethane (P)

1.407min (-0.006) 60.64 ug/L

response 182339

Ion	Exp%	Act%
93.90	100	100
95.90	95.40	94.02
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

04/19/19

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\041919\
Data File : F6045.D
Acq On : 19 Apr 2019 2:19 pm
Operator : F.NAEGLER
Sample : 100.0 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 19 14:37:18 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
Quant Title : MS#14 - 8260 SOILS 10ml PURGE
QLast Update : Fri Apr 19 14:27:08 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	4.687	168	363198	50.00	ug/L		0.00
42) 1,4-Difluorobenzene	5.937	114	565328	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.577	117	495956	50.00	ug/L		0.00
87) 1,4-Dichlorobenzene-d4	11.741	152	265735	50.00	ug/L		0.00
System Monitoring Compounds							
44) SURR4,Dibrflmethane	4.535	113	339750	101.20	ug/L		0.00
Spiked Amount 50.000	Range 63 - 138		Recovery = 202.40%#				
47) SURR1,1,2-dichloroetha...	5.120	65	398115	96.49	ug/L		0.00
Spiked Amount 50.000	Range 67 - 128		Recovery = 192.98%#				
64) SURR3,Toluene-d8	7.949	98	1357697	97.29	ug/L		0.00
Spiked Amount 50.000	Range 66 - 138		Recovery = 194.58%#				
69) SURR2,BFB	10.729	95	517475	90.41	ug/L		0.00
Spiked Amount 50.000	Range 31 - 154		Recovery = 180.82%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.042	85	448413	97.18	ug/L		99
3) Chloromethane	1.151	50	452318	96.53	ug/L		100
4) Vinyl Chloride	1.218	62	421119	95.84	ug/L		98
5) Bromomethane	1.407	94	214268m	71.26	ug/L		
6) Chloroethane	1.474	64	245235	95.12	ug/L		99
7) Freon 21	1.602	67	630865	95.60	ug/L		98
8) Trichlorofluoromethane	1.645	101	480351	93.80	ug/L		98
9) Diethyl Ether	1.846	59	316983	99.48	ug/L		97
10) Freon 123a	1.846	67	397125	95.87	ug/L		98
11) Freon 123	1.889	83	443193	94.60	ug/L		100
12) Acrolein	1.926	56	362908	494.66	ug/L		98
13) 1,1-Diclethene	2.005	96	300792	96.25	ug/L		97
14) Freon 113	2.011	101	288314	90.11	ug/L		94
15) Acetone	2.041	43	130660	85.93	ug/L		92
16) 2-Propanol	2.163	45	549480	1953.02	ug/L		95
17) Iodomethane	2.115	142	463999	125.61	ug/L		97
18) Carbon Disulfide	2.169	76	938210	100.02	ug/L		98
19) Acetonitrile	2.255	40	102679	523.88	ug/L		96
20) Allyl Chloride	2.291	76	164326	95.72	ug/L	#	87
21) Methyl Acetate	2.310	43	259940	92.04	ug/L		97
22) Methylene Chloride	2.389	84	365629	88.21	ug/L		91
23) TBA	2.511	59	957023	1911.42	ug/L		96
24) Acrylonitrile	2.602	53	675451	506.02	ug/L		96
25) Methyl-t-Butyl Ether	2.657	73	1066831	101.56	ug/L		99
26) trans-1,2-Dichloroethene	2.645	96	337535	97.14	ug/L		98
27) 1,1-Diclethane	3.066	63	633292	98.53	ug/L		96
28) Vinyl Acetate	3.145	86	72272	116.65	ug/L		99
29) DIPE	3.181	45	1106677	99.26	ug/L		95
30) 2-Chloro-1,3-Butadiene	3.175	53	461678	99.16	ug/L		97
31) ETBE	3.639	59	1040242	101.69	ug/L		98
32) 2,2-Dichloropropane	3.779	77	480654	98.01	ug/L		99
33) cis-1,2-Dichloroethene	3.785	96	388160	98.60	ug/L		98
34) 2-Butanone	3.828	43	180937	91.26	ug/L		96
35) Propionitrile	3.889	54	267558	512.03	ug/L		96
36) Bromochloromethane	4.120	130	245166	102.26	ug/L		90
37) Methacrylonitrile	4.120	67	155396	101.18	ug/L		99
38) Tetrahydrofuran	4.206	42	115012	93.30	ug/L		98
39) Chloroform	4.273	83	616766	98.90	ug/L		97
40) 1,1,1-Trichloroethane	4.547	97	492516	97.85	ug/L		95

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\041919\
Data File : F6045.D
Acq On : 19 Apr 2019 2:19 pm
Operator : F.NAEGLER
Sample : 100.0 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 19 14:37:18 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
Quant Title : MS#14 - 8260 SOILS 10ml PURGE
QLast Update : Fri Apr 19 14:27:08 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) TAME	5.510	73	980890	102.96	ug/L		96
43) Cyclohexane	4.638	41	328909	96.01	ug/L		89
45) Carbontetrachloride	4.840	121	119927	99.95	ug/L	#	77
46) 1,1-Dichloropropene	4.852	75	444112	95.84	ug/L		96
48) Benzene	5.218	78	1399861	98.50	ug/L		96
49) 1,2-Dichloroethane	5.260	62	494958	99.48	ug/L		96
50) Iso-Butyl Alcohol	5.260	43	399048	2221.33	ug/L		94
51) n-Heptane	5.803	43	460833	98.88	ug/L		97
52) 1-Butanol	6.376	56	674582	5885.57	ug/L		95
53) Trichloroethene	6.303	130	392977	97.67	ug/L		97
54) Methylcyclohexane	6.571	55	491751	103.08	ug/L		98
55) 1,2-Diclpropane	6.608	63	390380	105.00	ug/L		98
56) Dibromomethane	6.760	93	227964	99.57	ug/L		98
57) 1,4-Dioxane	6.851	88	105164	1969.12	ug/L		95
58) Methyl Methacrylate	6.888	69	274929	111.00	ug/L		98
59) Bromodichloromethane	7.022	83	461154	106.72	ug/L		98
60) 2-Nitropropane	7.333	41	164828	203.48	ug/L		87
61) 2-Chloroethylvinyl Ether	7.485	63	97038	141.88	ug/L		98
62) cis-1,3-Dichloropropene	7.626	75	619887	111.05	ug/L		96
63) 4-Methyl-2-pentanone	7.863	43	368352	107.45	ug/L		98
65) Toluene	8.028	91	1507237	97.54	ug/L		100
66) trans-1,3-Dichloropropene	8.327	75	541518	114.89	ug/L		99
67) Ethyl Methacrylate	8.504	69	505547	114.80	ug/L		94
68) 1,1,2-Trichloroethane	8.528	97	332948	100.74	ug/L		92
71) Tetrachloroethene	8.674	164	283242	94.05	ug/L		97
72) 2-Hexanone	8.869	43	270405	107.29	ug/L		94
73) 1,3-Dichloropropane	8.711	76	582395	100.16	ug/L		96
74) Dibromochloromethane	8.961	129	337994	113.76	ug/L		96
75) N-Butyl Acetate	9.052	43	549441	109.97	ug/L		92
76) 1,2-Dibromoethane	9.058	107	338614	102.40	ug/L		100
77) Chlorobenzene	9.607	112	985120	97.79	ug/L		99
78) 1,1,1,2-Tetrachloroethane	9.705	131	339680	107.42	ug/L		97
79) Ethylbenzene	9.747	106	523999	99.76	ug/L		96
80) (m+p)Xylene	9.869	106	1309430	203.41	ug/L		98
81) o-Xylene	10.247	106	644036	101.94	ug/L		98
82) Styrene	10.259	104	1113712	109.00	ug/L		99
83) Bromoform	10.412	173	200014	119.53	ug/L		98
84) Isopropylbenzene	10.607	105	1656317	100.11	ug/L		100
85) Cyclohexanone	10.662	55	1339517	2226.11	ug/L		89
86) trans-1,4-Dichloro-2-B...	10.930	53	103866	110.52	ug/L		92
88) 1,1,2,2-Tetrachloroethane	10.881	83	399533	97.75	ug/L		98
89) Bromobenzene	10.845	156	429921	95.70	ug/L		96
90) 1,2,3-Trichloropropane	10.899	110	138128	97.93	ug/L		95
91) n-Propylbenzene	10.979	91	1970616	97.32	ug/L		99
92) 2-Chlorotoluene	11.034	91	1191379	97.01	ug/L		96
93) 4-Chlorotoluene	11.131	91	1367846	97.75	ug/L		96
94) 1,3,5-Trimethylbenzene	11.143	105	1397086	100.01	ug/L		99
95) tert-Butylbenzene	11.418	119	1203811	96.01	ug/L		99
96) 1,2,4-Trimethylbenzene	11.460	105	1429397	102.32	ug/L		98
97) sec-Butylbenzene	11.607	105	1856110	97.75	ug/L		99
98) p-Isopropyltoluene	11.735	119	1543868	99.28	ug/L		99
99) 1,3-Dclbenz	11.680	146	833403	96.19	ug/L		98
100) 1,4-Dclbenz	11.759	146	840972	95.66	ug/L		94
101) n-Butylbenzene	12.076	91	1473068	103.57	ug/L		96
102) 1,2-Dclbenz	12.064	146	802945	98.92	ug/L		98
103) 1,2-Dibromo-3-chloropr...	12.698	157	84119	118.28	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\041919\
Data File : F6045.D
Acq On : 19 Apr 2019 2:19 pm
Operator : F.NAEGLER
Sample : 100.0 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 19 14:37:18 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
Quant Title : MS#14 - 8260 SOILS 10ml PURGE
QLast Update : Fri Apr 19 14:27:08 2019
Response via : Initial Calibration

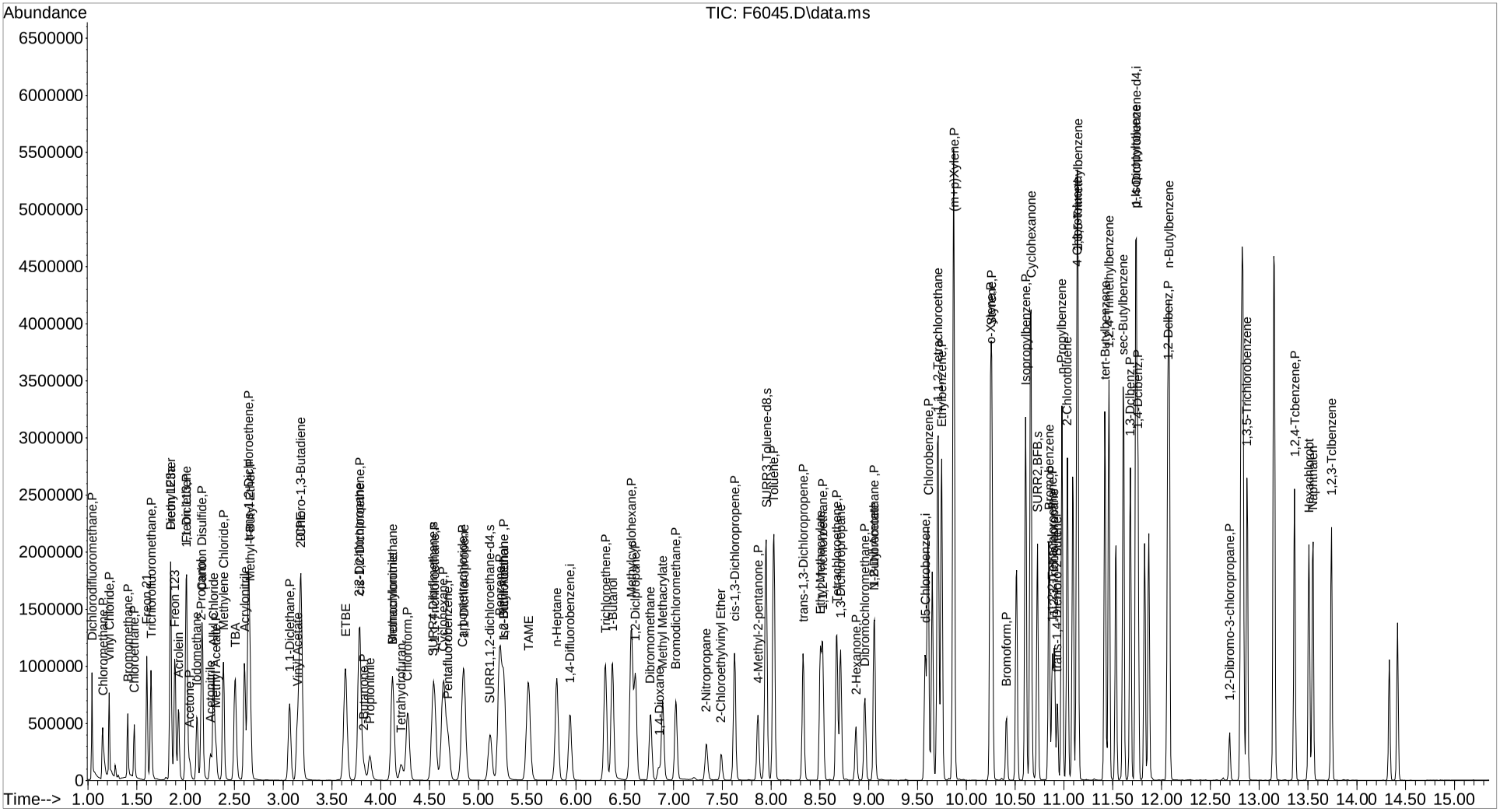
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3,5-Trichlorobenzene	12.875	180	606237	111.11	ug/L	100
105) 1,2,4-Tcbenzene	13.362	180	571186	133.00	ug/L	98
106) Hexachlorobt	13.509	225	294026	100.31	ug/L	98
107) Naphthalen	13.551	128	1223962	149.64	ug/L	97
108) 1,2,3-Tclbenzene	13.740	180	491082	142.32	ug/L	98

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\041919\
Data File : F6045.D
Acq On : 19 Apr 2019 2:19 pm
Operator : F.NAEGLER
Sample : 100.0 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 19 14:37:18 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
Quant Title : MS#14 - 8260 SOILS 10ml PURGE
QLast Update : Fri Apr 19 14:27:08 2019
Response via : Initial Calibration

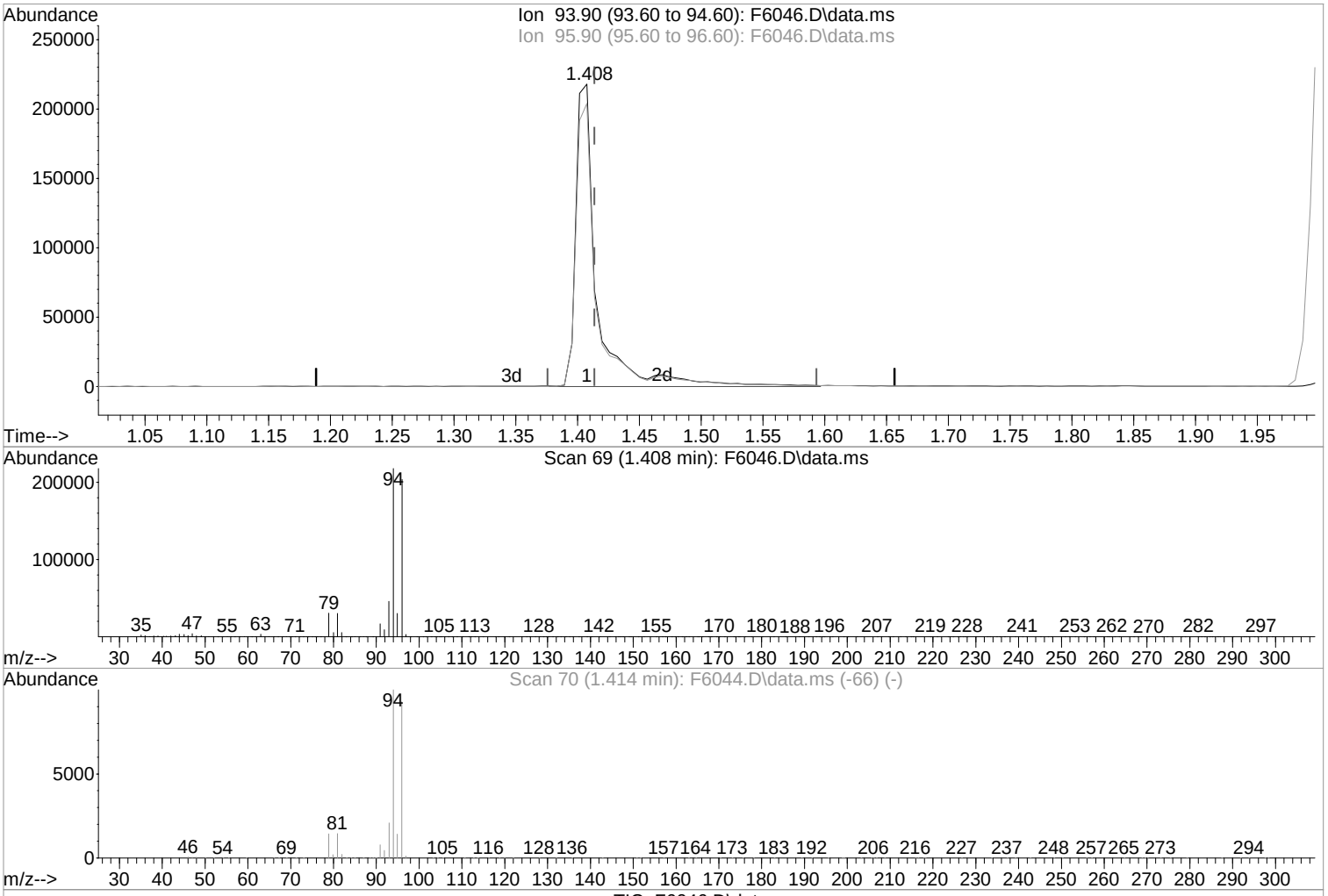


1st FJ 04/22/19
2nd 04/22/19

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\041919\
Data File : F6046.D
Acq On : 19 Apr 2019 2:44 pm
Operator : F.NAEGLER
Sample : 150.0 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 19 14:59:56 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
Quant Title : MS#14 - 8260 SOILS 10ml PURGE
QLast Update : Fri Apr 19 14:38:23 2019
Response via : Initial Calibration



TIC: F6046.D\data.ms

(5) Bromomethane (P)

1.408min (-0.006) 92.47 ug/L m

response 261043

Ion	Exp%	Act%
93.90	100	100
95.90	95.40	93.57
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

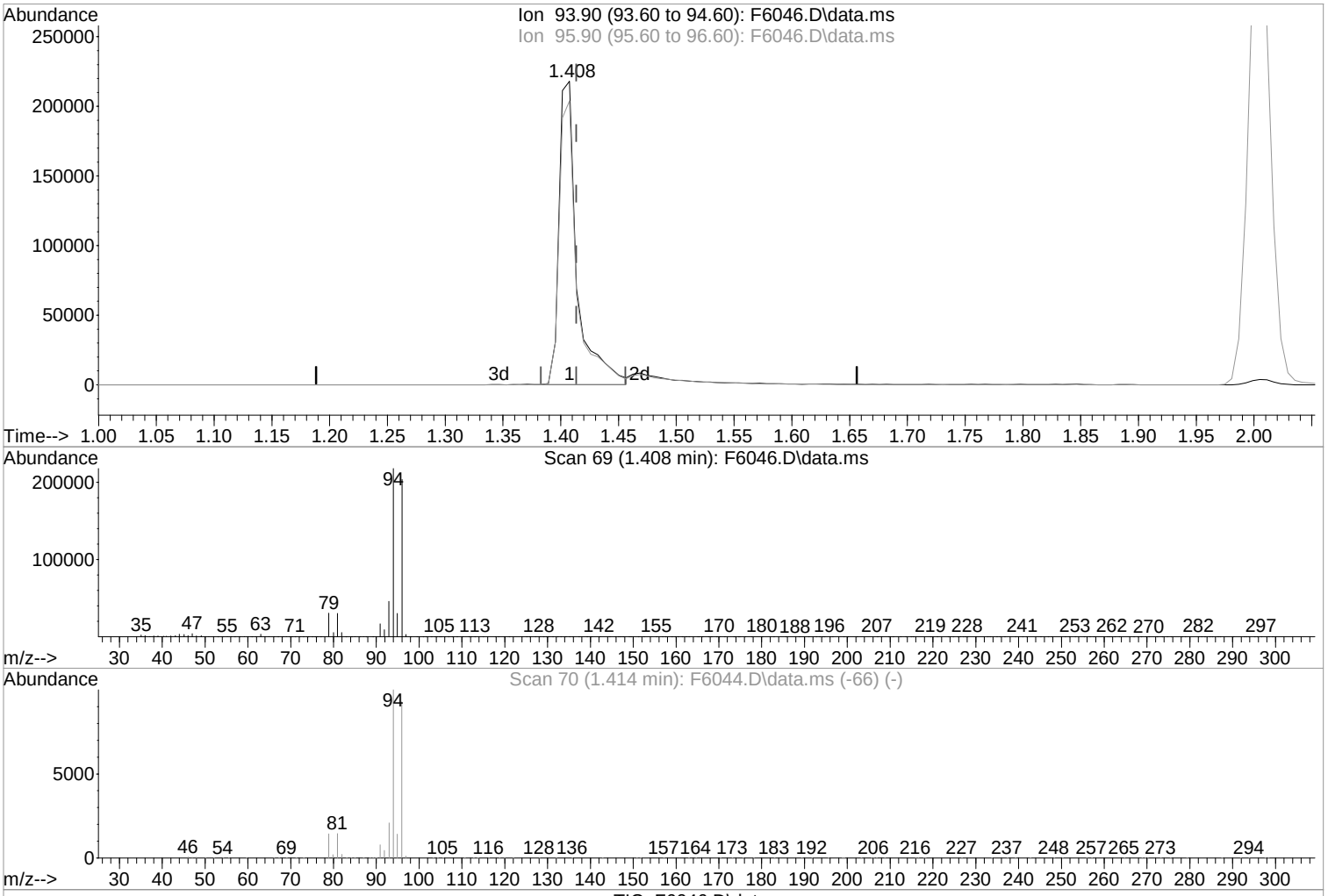
Poor integration.

04/19/19

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\041919\
Data File : F6046.D
Acq On : 19 Apr 2019 2:44 pm
Operator : F.NAEGLER
Sample : 150.0 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 19 14:59:56 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
Quant Title : MS#14 - 8260 SOILS 10ml PURGE
QLast Update : Fri Apr 19 14:38:23 2019
Response via : Initial Calibration



TIC: F6046.D\data.ms

(5) Bromomethane (P)

1.408min (-0.006) 83.61 ug/L

response 236017

Ion	Exp%	Act%
93.90	100	100
95.90	95.40	93.57
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

04/19/19

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\041919\
Data File : F6046.D
Acq On : 19 Apr 2019 2:44 pm
Operator : F.NAEGLER
Sample : 150.0 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 19 15:00:26 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
Quant Title : MS#14 - 8260 SOILS 10ml PURGE
QLast Update : Fri Apr 19 14:38:23 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	4.687	168	358128	50.00	ug/L		0.00
42) 1,4-Difluorobenzene	5.937	114	558957	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.577	117	496749	50.00	ug/L		0.00
87) 1,4-Dichlorobenzene-d4	11.741	152	267704	50.00	ug/L		0.00
System Monitoring Compounds							
44) SURR4,Dibrflmethane	4.535	113	656815	197.29	ug/L		0.00
Spiked Amount 50.000	Range 63 - 138		Recovery = 394.58%#				
47) SURR1,1,2-dichloroetha...	5.120	65	762476	188.56	ug/L		0.00
Spiked Amount 50.000	Range 67 - 128		Recovery = 377.12%#				
64) SURR3,Toluene-d8	7.949	98	2595835	189.42	ug/L		0.00
Spiked Amount 50.000	Range 66 - 138		Recovery = 378.84%#				
69) SURR2,BFB	10.729	95	1005523	182.05	ug/L		0.00
Spiked Amount 50.000	Range 31 - 154		Recovery = 364.10%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.042	85	698737	154.30	ug/L		98
3) Chloromethane	1.152	50	678531	147.71	ug/L		100
4) Vinyl Chloride	1.219	62	638045	148.29	ug/L		97
5) Bromomethane	1.408	94	261043m	92.47	ug/L		
6) Chloroethane	1.469	64	367053	145.57	ug/L		99
7) Freon 21	1.603	67	962229	148.98	ug/L		99
8) Trichlorofluoromethane	1.645	101	739076	147.90	ug/L		96
9) Diethyl Ether	1.847	59	470556	149.90	ug/L		99
10) Freon 123a	1.847	67	608108	149.91	ug/L		99
11) Freon 123	1.889	83	687027	150.08	ug/L		100
12) Acrolein	1.926	56	541365	749.68	ug/L		97
13) 1,1-Diclethene	2.005	96	458496	149.73	ug/L		94
14) Freon 113	2.011	101	458101	147.64	ug/L		92
15) Acetone	2.048	43	195743	135.31	ug/L		88
16) 2-Propanol	2.170	45	885724	3205.25	ug/L		94
17) Iodomethane	2.115	142	691509	180.60	ug/L		97
18) Carbon Disulfide	2.170	76	1421433	153.68	ug/L		98
19) Acetonitrile	2.255	40	155226	795.59	ug/L		94
20) Allyl Chloride	2.285	76	263010	156.48	ug/L	#	84
21) Methyl Acetate	2.310	43	403446	146.82	ug/L		96
22) Methylene Chloride	2.389	84	538852	134.49	ug/L		91
23) TBA	2.511	59	1524845	3111.58	ug/L		96
24) Acrylonitrile	2.602	53	1030758	781.56	ug/L		97
25) Methyl-t-Butyl Ether	2.657	73	1612001	155.23	ug/L		99
26) trans-1,2-Dichloroethene	2.639	96	513506	150.60	ug/L		93
27) 1,1-Diclethane	3.066	63	960263	151.89	ug/L		98
28) Vinyl Acetate	3.145	86	113226	180.33	ug/L		98
29) DIPE	3.182	45	1710544	155.79	ug/L		95
30) 2-Chloro-1,3-Butadiene	3.176	53	690502	150.62	ug/L		98
31) ETBE	3.639	59	1611483	159.31	ug/L		98
32) 2,2-Dichloropropane	3.779	77	760256	157.74	ug/L		98
33) cis-1,2-Dichloroethene	3.785	96	580106	149.79	ug/L		98
34) 2-Butanone	3.828	43	275295	143.32	ug/L		95
35) Propionitrile	3.889	54	409464	791.52	ug/L		97
36) Bromochloromethane	4.120	130	365039	153.83	ug/L	#	89
37) Methacrylonitrile	4.120	67	237623	156.60	ug/L		92
38) Tetrahydrofuran	4.212	42	176314	146.69	ug/L		97
39) Chloroform	4.279	83	916997	149.40	ug/L		96
40) 1,1,1-Trichloroethane	4.547	97	759641	153.60	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\041919\
Data File : F6046.D
Acq On : 19 Apr 2019 2:44 pm
Operator : F.NAEGLER
Sample : 150.0 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 19 15:00:26 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
Quant Title : MS#14 - 8260 SOILS 10ml PURGE
QLast Update : Fri Apr 19 14:38:23 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) TAME	5.510	73	1526781	161.74 ug/L	96
43) Cyclohexane	4.639	41	504856	150.05 ug/L	89
45) Carbontetrachloride	4.840	121	188808	159.16 ug/L #	76
46) 1,1-Dichloropropene	4.852	75	688411	151.30 ug/L	97
48) Benzene	5.218	78	2111785	150.66 ug/L	96
49) 1,2-Dichloroethane	5.261	62	730795	148.69 ug/L	96
50) Iso-Butyl Alcohol	5.267	43	636831	3520.44 ug/L	95
51) n-Heptane	5.803	43	757827	164.76 ug/L	97
52) 1-Butanol	6.382	56	1083628	9287.99 ug/L	95
53) Trichloroethene	6.303	130	585849	147.84 ug/L	96
54) Methylcyclohexane	6.565	55	747431	157.66 ug/L	97
55) 1,2-Diclpropane	6.608	63	581465	156.88 ug/L	98
56) Dibromomethane	6.760	93	341281	150.87 ug/L	98
57) 1,4-Dioxane	6.852	88	161239	3061.38 ug/L	96
58) Methyl Methacrylate	6.888	69	419197	168.09 ug/L	98
59) Bromodichloromethane	7.022	83	703694	162.88 ug/L	97
60) 2-Nitropropane	7.333	41	256287	318.89 ug/L	89
61) 2-Chloroethylvinyl Ether	7.486	63	156179	215.88 ug/L	96
62) cis-1,3-Dichloropropene	7.626	75	939093	167.08 ug/L	97
63) 4-Methyl-2-pentanone	7.864	43	564824	164.59 ug/L	98
65) Toluene	8.028	91	2301008	151.22 ug/L	99
66) trans-1,3-Dichloropropene	8.327	75	826879	173.13 ug/L	99
67) Ethyl Methacrylate	8.504	69	785454	176.05 ug/L	93
68) 1,1,2-Trichloroethane	8.528	97	497577	152.08 ug/L	94
71) Tetrachloroethene	8.674	164	440123	147.37 ug/L	96
72) 2-Hexanone	8.870	43	420815	164.70 ug/L	92
73) 1,3-Dichloropropane	8.711	76	880567	151.15 ug/L	96
74) Dibromochloromethane	8.961	129	514114	168.89 ug/L	98
75) N-Butyl Acetate	9.052	43	881941	173.35 ug/L	92
76) 1,2-Dibromoethane	9.059	107	509821	153.31 ug/L	100
77) Chlorobenzene	9.607	112	1491324	148.35 ug/L	98
78) 1,1,1,2-Tetrachloroethane	9.705	131	525622	163.93 ug/L	98
79) Ethylbenzene	9.747	106	815148	155.00 ug/L	92
80) (m+p)Xylene	9.869	106	2004096	309.95 ug/L	94
81) o-Xylene	10.247	106	985880	155.30 ug/L	98
82) Styrene	10.266	104	1706633	164.30 ug/L	96
83) Bromoform	10.412	173	316996	183.17 ug/L	98
84) Isopropylbenzene	10.607	105	2557549	154.31 ug/L	99
85) Cyclohexanone	10.662	55	2107778	3432.59 ug/L	90
86) trans-1,4-Dichloro-2-B...	10.930	53	165023	172.30 ug/L	90
88) 1,1,2,2-Tetrachloroethane	10.881	83	629016	153.35 ug/L	98
89) Bromobenzene	10.845	156	651348	144.97 ug/L	97
90) 1,2,3-Trichloropropane	10.900	110	208663	147.36 ug/L	92
91) n-Propylbenzene	10.979	91	3079907	151.66 ug/L	99
92) 2-Chlorotoluene	11.034	91	1826613	148.38 ug/L	96
93) 4-Chlorotoluene	11.131	91	2128669	151.57 ug/L	95
94) 1,3,5-Trimethylbenzene	11.144	105	2177965	154.76 ug/L	98
95) tert-Butylbenzene	11.418	119	1873896	149.35 ug/L	98
96) 1,2,4-Trimethylbenzene	11.461	105	2221203	157.23 ug/L	99
97) sec-Butylbenzene	11.607	105	2880989	151.17 ug/L	98
98) p-Isopropyltoluene	11.741	119	2409123	153.97 ug/L	97
99) 1,3-Dclbenz	11.680	146	1285848	148.26 ug/L	98
100) 1,4-Dclbenz	11.759	146	1301085	147.98 ug/L	96
101) n-Butylbenzene	12.076	91	2326676	161.43 ug/L	96
102) 1,2-Dclbenz	12.064	146	1238209	151.69 ug/L	98
103) 1,2-Dibromo-3-chloropr...	12.698	157	134754	182.53 ug/L	96

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\041919\
Data File : F6046.D
Acq On : 19 Apr 2019 2:44 pm
Operator : F.NAEGLER
Sample : 150.0 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 19 15:00:26 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
Quant Title : MS#14 - 8260 SOILS 10ml PURGE
QLast Update : Fri Apr 19 14:38:23 2019
Response via : Initial Calibration

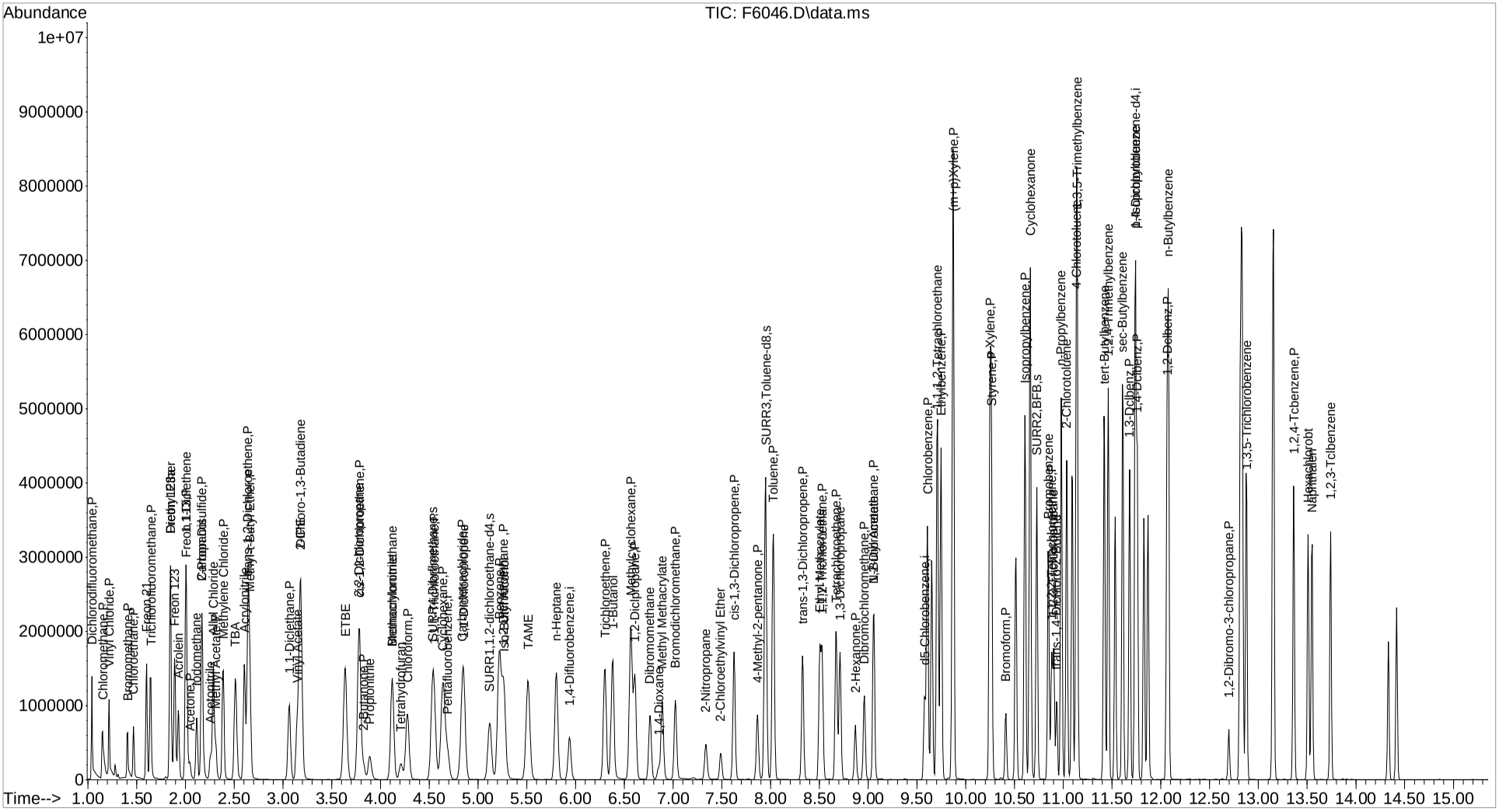
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3,5-Trichlorobenzene	12.881	180	970363	173.33	ug/L	99
105) 1,2,4-Tcbenzene	13.363	180	881123	193.04	ug/L	97
106) Hexachlorobt	13.509	225	461501	156.21	ug/L	98
107) Naphthalen	13.552	128	1892933	212.17	ug/L	97
108) 1,2,3-Tclbenzene	13.741	180	761454	204.62	ug/L	97

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\041919\
Data File : F6046.D
Acq On : 19 Apr 2019 2:44 pm
Operator : F.NAEGLER
Sample : 150.0 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 19 15:00:26 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
Quant Title : MS#14 - 8260 SOILS 10ml PURGE
QLast Update : Fri Apr 19 14:38:23 2019
Response via : Initial Calibration



1st FJ 04/22/19
2nd 04/22/19

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\041919\
Data File : F6047.D
Acq On : 19 Apr 2019 3:07 pm
Operator : F.NAEGLER
Sample : 200.0 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 19 15:26:43 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
Quant Title : MS#14 - 8260 SOILS 10ml PURGE
QLast Update : Fri Apr 19 15:01:22 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	4.687	168	369514	50.00	ug/L		0.00
42) 1,4-Difluorobenzene	5.937	114	578250	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.577	117	508329	50.00	ug/L		0.00
87) 1,4-Dichlorobenzene-d4	11.741	152	264105	50.00	ug/L		0.00
System Monitoring Compounds							
44) SURR4,Dibrflmethane	4.535	113	176496	51.38	ug/L		0.00
Spiked Amount 50.000	Range 63 - 138		Recovery = 102.76%				
47) SURR1,1,2-dichloroetha...	5.120	65	206423	49.92	ug/L		0.00
Spiked Amount 50.000	Range 67 - 128		Recovery = 99.84%				
64) SURR3,Toluene-d8	7.949	98	707824	50.46	ug/L		0.00
Spiked Amount 50.000	Range 66 - 138		Recovery = 100.92%				
69) SURR2,BFB	10.729	95	274468	48.91	ug/L		0.00
Spiked Amount 50.000	Range 31 - 154		Recovery = 97.82%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.042	85	972273	207.24	ug/L		99
3) Chloromethane	1.145	50	931149	196.89	ug/L		100
4) Vinyl Chloride	1.218	62	902660	203.66	ug/L		97
5) Bromomethane	1.407	94	477038	173.28	ug/L		98
6) Chloroethane	1.475	64	513892	198.36	ug/L		100
7) Freon 21	1.603	67	1283230	192.74	ug/L		98
8) Trichlorofluoromethane	1.645	101	1035951	201.32	ug/L		98
9) Diethyl Ether	1.846	59	655732	202.47	ug/L		98
10) Freon 123a	1.846	67	805677	192.51	ug/L		99
11) Freon 123	1.889	83	915288	193.76	ug/L		99
12) Acrolein	1.926	56	754162	1012.25	ug/L		99
13) 1,1-Diclethene	2.005	96	647208	204.90	ug/L		94
14) Freon 113	2.011	101	638786	199.98	ug/L		93
15) Acetone	2.041	43	262121	179.12	ug/L		89
16) 2-Propanol	2.163	45	1279607	4444.51	ug/L		94
17) Iodomethane	2.115	142	934559	228.77	ug/L		97
18) Carbon Disulfide	2.170	76	1902447	198.65	ug/L		98
19) Acetonitrile	2.255	40	220982	1086.70	ug/L		96
20) Allyl Chloride	2.285	76	366536	210.06	ug/L	#	83
21) Methyl Acetate	2.310	43	570962	201.99	ug/L		96
22) Methylene Chloride	2.389	84	745436	183.02	ug/L		91
23) TBA	2.511	59	2217675	4362.74	ug/L		95
24) Acrylonitrile	2.602	53	1462692	1068.47	ug/L		98
25) Methyl-t-Butyl Ether	2.657	73	2243665	208.36	ug/L		99
26) trans-1,2-Dichloroethene	2.639	96	708649	201.31	ug/L		92
27) 1,1-Diclethane	3.066	63	1319725	201.95	ug/L		97
28) Vinyl Acetate	3.145	86	157054	235.62	ug/L		99
29) DIPE	3.182	45	2292796	201.28	ug/L		95
30) 2-Chloro-1,3-Butadiene	3.175	53	910882	192.46	ug/L		98
31) ETBE	3.639	59	2191499	208.13	ug/L		98
32) 2,2-Dichloropropane	3.779	77	1046232	208.85	ug/L		97
33) cis-1,2-Dichloroethene	3.785	96	797306	199.57	ug/L		98
34) 2-Butanone	3.822	43	377728	192.02	ug/L		96
35) Propionitrile	3.889	54	580829	1079.64	ug/L		96
36) Bromochloromethane	4.120	130	504043	205.12	ug/L	#	89
37) Methacrylonitrile	4.120	67	340496	216.13	ug/L		92
38) Tetrahydrofuran	4.206	42	251942	203.80	ug/L		96
39) Chloroform	4.273	83	1262325	199.43	ug/L		95
40) 1,1,1-Trichloroethane	4.547	97	1063538	207.71	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\041919\
Data File : F6047.D
Acq On : 19 Apr 2019 3:07 pm
Operator : F.NAEGLER
Sample : 200.0 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 19 15:26:43 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
Quant Title : MS#14 - 8260 SOILS 10ml PURGE
QLast Update : Fri Apr 19 15:01:22 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) TAME	5.516	73	2080347	211.22 ug/L		95
43) Cyclohexane	4.639	41	670176	192.53 ug/L		86
45) Carbontetrachloride	4.846	121	266817	215.54 ug/L	#	79
46) 1,1-Dichloropropene	4.852	75	961027	203.91 ug/L		97
48) Benzene	5.218	78	2916804	201.02 ug/L		96
49) 1,2-Dichloroethane	5.260	62	1016294	200.12 ug/L		96
50) Iso-Butyl Alcohol	5.266	43	925322	4824.99 ug/L		95
51) n-Heptane	5.803	43	1047875	217.17 ug/L		98
52) 1-Butanol	6.382	56	1557589	12479.94 ug/L		94
53) Trichloroethene	6.303	130	798648	195.21 ug/L		97
54) Methylcyclohexane	6.571	55	993960	201.20 ug/L		97
55) 1,2-Diclpropane	6.608	63	804098	208.34 ug/L		99
56) Dibromomethane	6.760	93	480428	205.13 ug/L		100
57) 1,4-Dioxane	6.852	88	226162	4138.68 ug/L		98
58) Methyl Methacrylate	6.888	69	599742	228.52 ug/L		97
59) Bromodichloromethane	7.022	83	977746	216.11 ug/L		98
60) 2-Nitropropane	7.339	41	372766	443.69 ug/L		87
61) 2-Chloroethylvinyl Ether	7.492	63	214070	269.14 ug/L		97
62) cis-1,3-Dichloropropene	7.626	75	1302492	220.41 ug/L		97
63) 4-Methyl-2-pentanone	7.864	43	780777	216.92 ug/L		97
65) Toluene	8.028	91	3164412	200.79 ug/L		100
66) trans-1,3-Dichloropropene	8.327	75	1164527	230.61 ug/L		98
67) Ethyl Methacrylate	8.504	69	1109982	234.66 ug/L		92
68) 1,1,2-Trichloroethane	8.528	97	693238	204.41 ug/L		92
71) Tetrachloroethene	8.674	164	607082	199.14 ug/L		97
72) 2-Hexanone	8.869	43	579138	218.44 ug/L		92
73) 1,3-Dichloropropane	8.711	76	1219125	204.28 ug/L		95
74) Dibromochloromethane	8.961	129	733236	231.23 ug/L		99
75) N-Butyl Acetate	9.052	43	1238969	232.80 ug/L		92
76) 1,2-Dibromoethane	9.058	107	710307	208.08 ug/L		97
77) Chlorobenzene	9.607	112	2051371	199.72 ug/L		98
78) 1,1,1,2-Tetrachloroethane	9.705	131	729874	219.53 ug/L		98
79) Ethylbenzene	9.747	106	1106000	204.54 ug/L		92
80) (m+p)Xylene	9.869	106	2734445	411.32 ug/L		95
81) o-Xylene	10.247	106	1342393	205.61 ug/L		98
82) Styrene	10.265	104	2323606	215.67 ug/L		96
83) Bromoform	10.412	173	462981	253.43 ug/L		99
84) Isopropylbenzene	10.607	105	3502239	205.65 ug/L		99
85) Cyclohexanone	10.662	55	2856944	4454.88 ug/L		90
86) trans-1,4-Dichloro-2-B...	10.936	53	233623	233.41 ug/L		80
88) 1,1,2,2-Tetrachloroethane	10.881	83	917081	225.90 ug/L		99
89) Bromobenzene	10.851	156	887137	201.10 ug/L	#	89
90) 1,2,3-Trichloropropane	10.906	110	291848	209.44 ug/L		98
91) n-Propylbenzene	10.979	91	4170379	207.83 ug/L		98
92) 2-Chlorotoluene	11.034	91	2476464	204.23 ug/L		96
93) 4-Chlorotoluene	11.137	91	2892731	208.46 ug/L		95
94) 1,3,5-Trimethylbenzene	11.143	105	2964153	212.53 ug/L		98
95) tert-Butylbenzene	11.418	119	2560750	207.00 ug/L		98
96) 1,2,4-Trimethylbenzene	11.460	105	2989662	213.04 ug/L		100
97) sec-Butylbenzene	11.607	105	3902807	207.35 ug/L		97
98) p-Isopropyltoluene	11.741	119	3236000	208.84 ug/L		97
99) 1,3-Dclbenz	11.680	146	1718743	201.21 ug/L		98
100) 1,4-Dclbenz	11.759	146	1735885	200.51 ug/L		96
101) n-Butylbenzene	12.076	91	3117362	216.87 ug/L		97
102) 1,2-Dclbenz	12.064	146	1655305	205.23 ug/L		98
103) 1,2-Dibromo-3-chloropr...	12.698	157	194512	259.04 ug/L		94

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\041919\
Data File : F6047.D
Acq On : 19 Apr 2019 3:07 pm
Operator : F.NAEGLER
Sample : 200.0 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 19 15:26:43 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
Quant Title : MS#14 - 8260 SOILS 10ml PURGE
QLast Update : Fri Apr 19 15:01:22 2019
Response via : Initial Calibration

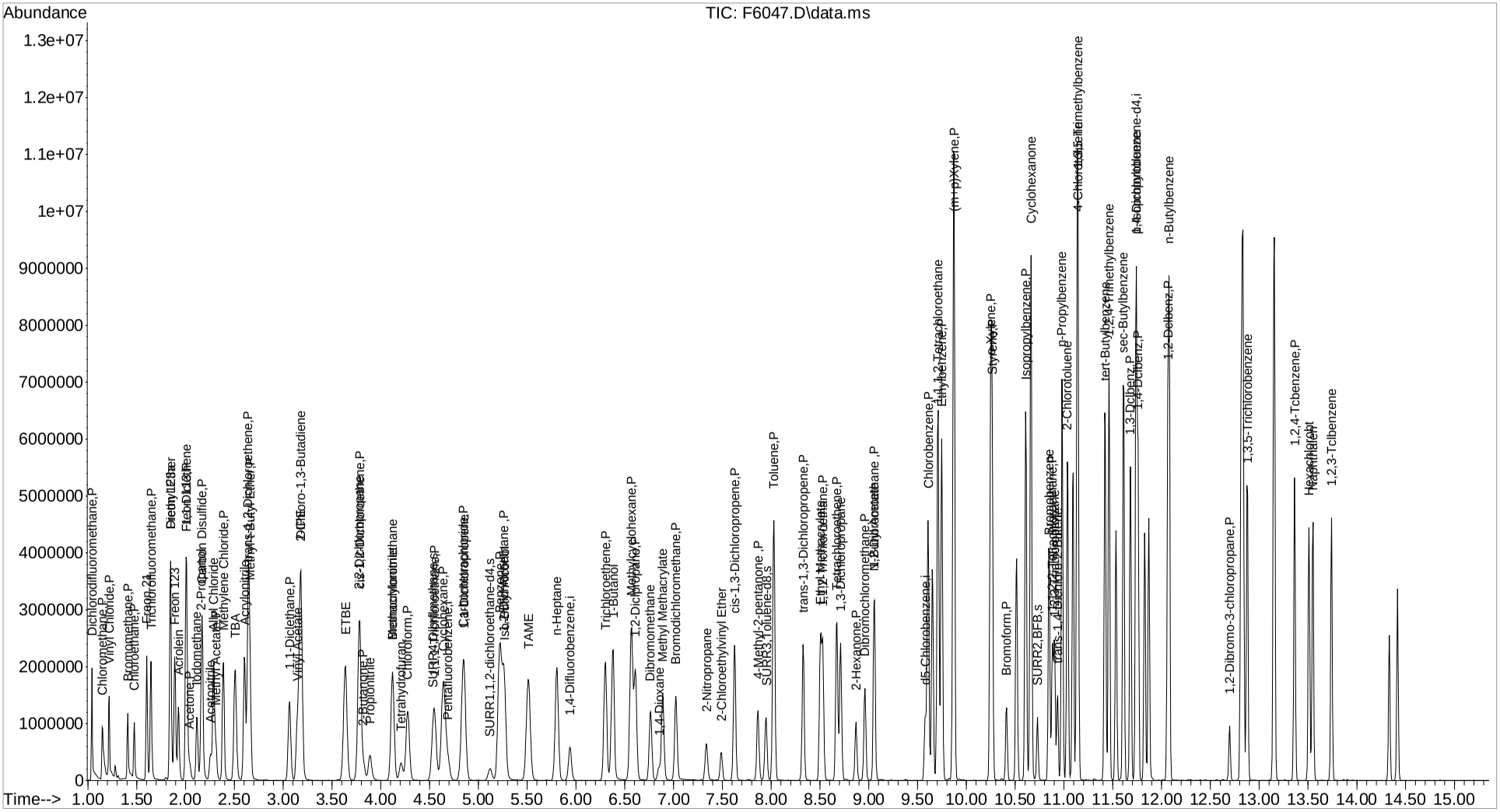
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3,5-Trichlorobenzene	12.881	180	1249389	221.30	ug/L	99
105) 1,2,4-Tcbenzene	13.362	180	1179230	251.56	ug/L	98
106) Hexachlorobt	13.509	225	630257	214.96	ug/L	98
107) Naphthalen	13.551	128	2634872	282.62	ug/L	98
108) 1,2,3-Tclbenzene	13.740	180	1032678	267.38	ug/L	97

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\041919\
Data File : F6047.D
Acq On : 19 Apr 2019 3:07 pm
Operator : F.NAEGLER
Sample : 200.0 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 19 15:26:43 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
Quant Title : MS#14 - 8260 SOILS 10ml PURGE
QLast Update : Fri Apr 19 15:01:22 2019
Response via : Initial Calibration

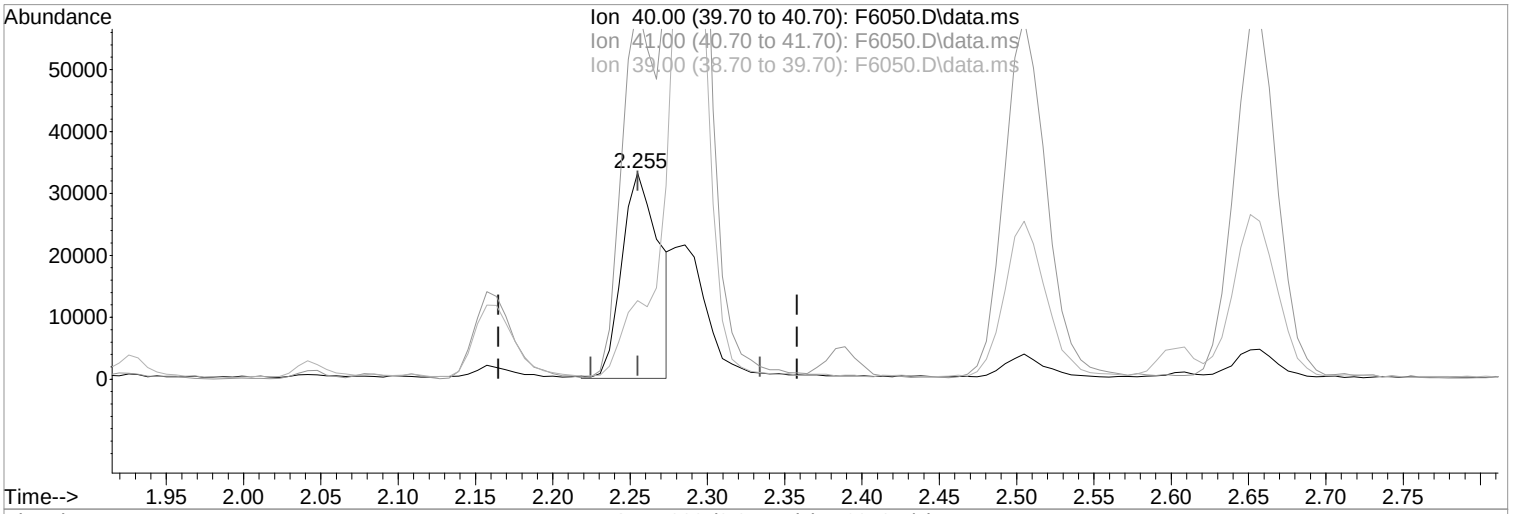


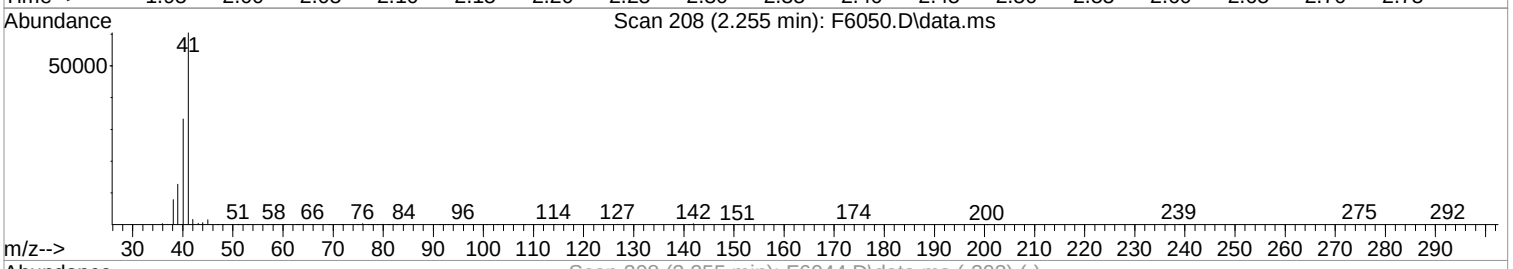
1st FJ 04/22/19
2nd 04/22/19

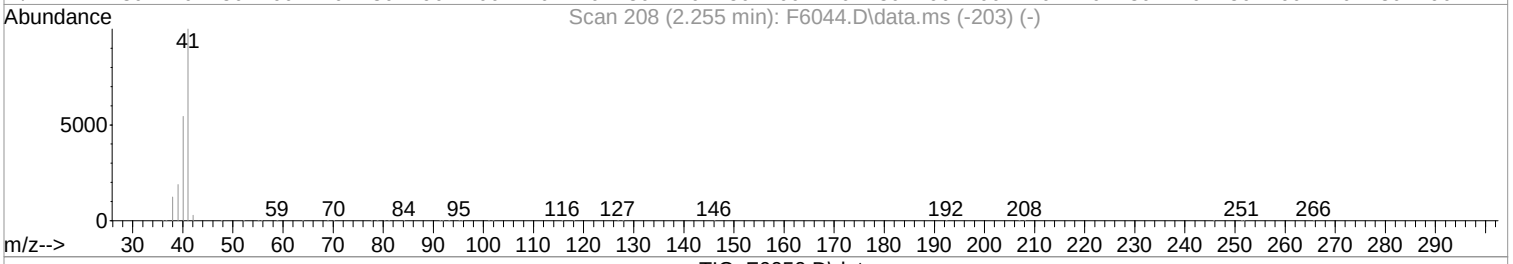
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\041919\
Data File : F6050.D
Acq On : 19 Apr 2019 4:31 pm
Operator : F.NAEGLER
Sample : 50 PPB ICV Inst : MSVOA14
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 22 10:41:14 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
Quant Title : MS#14 - 8260 SOILS 10ml PURGE
QLast Update : Mon Apr 22 10:00:17 2019
Response via : Initial Calibration







TIC: F6050.D\data.ms

(19) Acetonitrile

2.255min (-0.000) 266.45 ug/L m

response 55585

Ion	Exp%	Act%
40.00	100	100
41.00	195.40	181.38
39.00	43.30	38.07
0.00	0.00	0.00

Manual Integration:

After

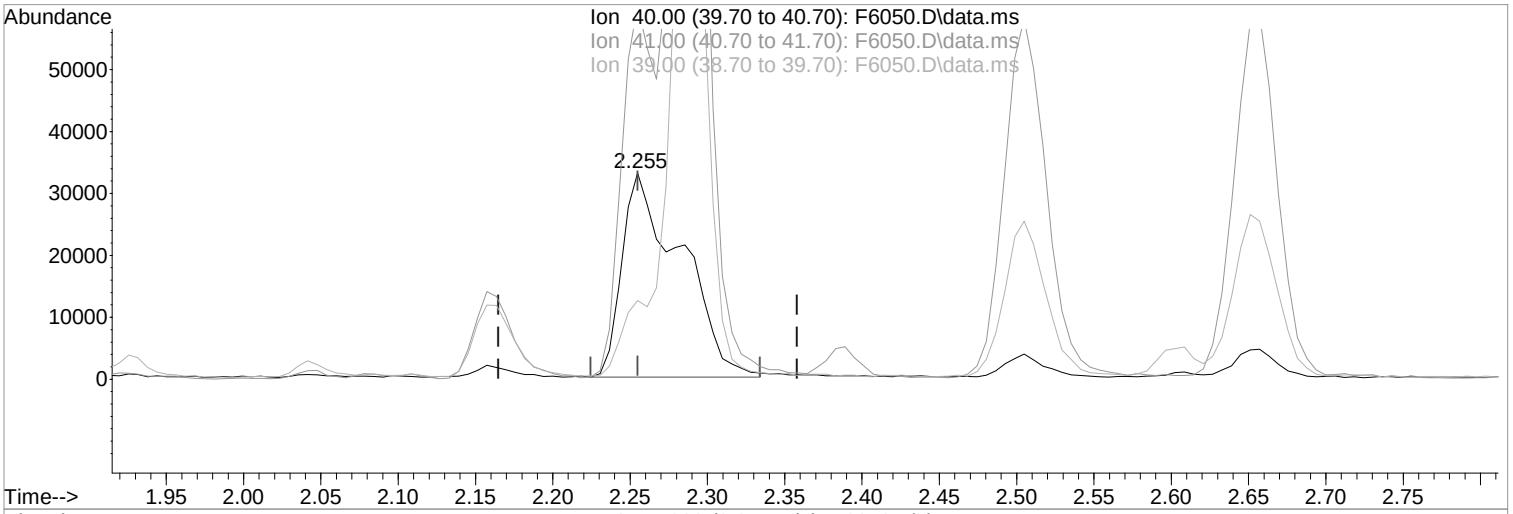
Poor integration.

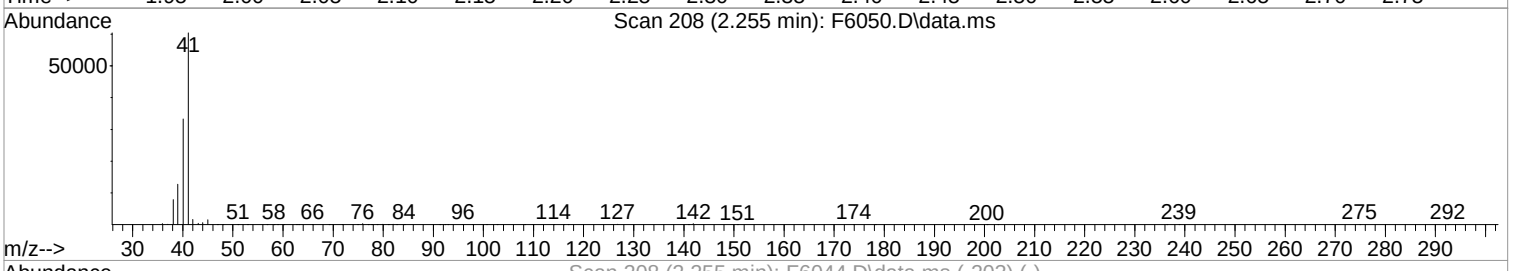
04/22/19

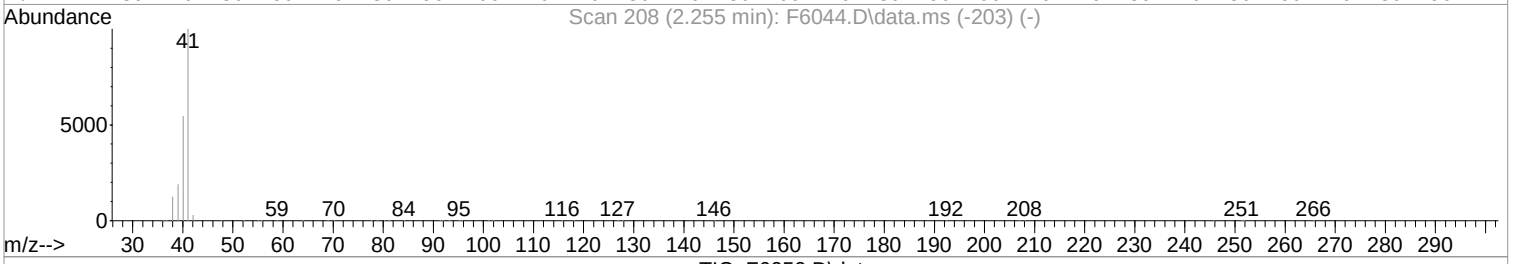
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\041919\
Data File : F6050.D
Acq On : 19 Apr 2019 4:31 pm
Operator : F.NAEGLER
Sample : 50 PPB ICV Inst : MSVOA14
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 22 10:41:14 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
Quant Title : MS#14 - 8260 SOILS 10ml PURGE
QLast Update : Mon Apr 22 10:00:17 2019
Response via : Initial Calibration







TIC: F6050.D\data.ms

(19) Acetonitrile

2.255min (-0.000) 419.44 ug/L

response 87500

Ion	Exp%	Act%
40.00	100	100
41.00	195.40	181.38
39.00	43.30	38.07
0.00	0.00	0.00

Manual Integration:

Before

04/22/19

ALS Group USA, Corp.

DBA ALS Environmetal

QC/QC Report

Date Analyzed: 4/19/19 11:22

ICAL Tune Summary
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\MSVOA14\Data\041919\F6038.D Analytical Method: 8260C/624.1

Instrument ID: R-MS-14

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Results Pass/Fail
50	95	15	40	18.5	31403	PASS
75	95	30	60	49.8	84679	PASS
95	95	100	100	100.0	169907	PASS
96	95	5	9	6.8	11506	PASS
173	174	0	2	0.7	1022	PASS
174	95	50	120	86.9	147664	PASS
175	174	5	9	7.4	10947	PASS
176	174	95	101	96.4	142363	PASS
177	176	5	9	6.5	9320	PASS

Sample Name	Lab Code	File ID:	Date Analyzes:	Q
ICAL BLK	ICAL BLK	I:\ACQUDATA\MSVOA14\Data\041919\F6039.D	4/19/19 11:45	
1.0 PPB STD	1.0 PPB STD	I:\ACQUDATA\MSVOA14\Data\041919\F6040.D	4/19/19 12:21	
2.0 PPB STD	2.0 PPB STD	I:\ACQUDATA\MSVOA14\Data\041919\F6041.D	4/19/19 12:44	
5.0 PPB STD	5.0 PPB STD	I:\ACQUDATA\MSVOA14\Data\041919\F6042.D	4/19/19 13:07	
20.0 PPB STD	20.0 PPB STD	I:\ACQUDATA\MSVOA14\Data\041919\F6043.D	4/19/19 13:33	
50.0 PPB STD	50.0 PPB STD	I:\ACQUDATA\MSVOA14\Data\041919\F6044.D	4/19/19 13:56	
100.0 PPB STD	100.0 PPB STD	I:\ACQUDATA\MSVOA14\Data\041919\F6045.D	4/19/19 14:19	
150.0 PPB STD	150.0 PPB STD	I:\ACQUDATA\MSVOA14\Data\041919\F6046.D	4/19/19 14:44	
200.0 PPB STD	200.0 PPB STD	I:\ACQUDATA\MSVOA14\Data\041919\F6047.D	4/19/19 15:07	
50 PPB ICV	50 PPB ICV	I:\ACQUDATA\MSVOA14\Data\041919\F6050.D	4/19/19 16:31	

Analysis: 8260-Soil | Analyst: F.Naglen | pH strips: — | Tune Method: S041919.M

Date: 4/19/19 | Balance ID: — | ResCl strips: — | Run Method: ↓

Instr. MS14 | 50 mL Class A used for dilution FV | Syringes: — | LIMS Run# : —

Data Path: j:\acqudata\msvoa(InstID)\(Date)

Pos.	Sample	Diln.	Diln. Prep./	RL	Tier	Vial	pH	File#	OK?	Comments
1	BLK							F6036	Y	
2	BLK							37	Y	
1	TUNE							38	Y	
2	ICAL BLK							39	Y	
3	1.0 ppb Std							40	Y	
4	2.0							41	Y	
5	5.0							42	Y	
6	20							43	Y	
7	50							44	Y	
8	100							45	Y	
9	150							46	Y	
10	200							47	Y	
11	BLK							48	Y	
12	BLK							49	Y	
13	50 ppb ICV							50	Y	
14	BLK							51	Y	
15	BLK							52	Y	

SOIL. ICAL TABLE

CONC (PPB)		1.0	2.0	5.0	20	50	100	150	200
1° T/G = 198694	10mL/1mL →	10mL/5mL	20mL/5mL	50mL/5mL	2mL/5mL	5mL/5mL	10mL/5mL	15mL/5mL	20mL/5mL
1° HSL = 198696		↓	↓	↓	↓	↓	↓	↓	↓
1° Fr = 198619		↓	↓	↓	↓	↓	↓	↓	↓
1° OCC = 197917		↓	↓	↓	↓	↓	↓	↓	↓

All samples = 5 mL + 5 uL combined IS/Surr & 10 mL purged

Primary SEE TABLE ABOVE

Primary :

Primary :

Primary :

Primary :

Fr Secondary 200 : 197861 - 5mL 12.5uL

T/G Secondary 500 : 198142 - 8uL 5uL

HSL Secondary : 198593 - Fr 40uL

OCC Secondary : 198044 - 40uL

Secondary :

198689

50mL (ICV)

Combined IS/Surr — : —

Surrogate 50 : 198348

Internal Std 50 : 198349

Reagents:

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5222.D
Acq On : 26 Mar 2019 5:20 pm
Operator : F.NAEGLER
Sample : 50 PPB ICV Inst : MSVOA14
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Mar 30 14:51:07 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 16:08:17 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.687	168	285840	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	5.937	114	421016	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.577	117	369164	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.735	152	202827	50.00	ug/L	0.00
System Monitoring Compounds						
44) surr4,Dibrflmethane	4.535	113	141224	50.34	ug/L	0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 100.68%			
47) surr1,1,2-dichloroetha...	5.120	65	164859	50.14	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 100.28%			
64) SURR3,Toluene-d8	7.943	98	555566	49.61	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 99.22%			
69) SURR2,BFB	10.723	95	213309	49.19	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 98.38%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.042	85	193649	57.85	ug/L	99
3) Chloromethane	1.152	50	188294	50.23	ug/L	96
4) Vinyl Chloride	1.219	62	187042	55.31	ug/L	99
5) Bromomethane	1.408	94	87822m	46.01	ug/L	
6) Chloroethane	1.475	64	95801	48.32	ug/L	97
7) Freon 21	1.603	67	247002	51.69	ug/L	99
8) Trichlorofluoromethane	1.645	101	214504	56.65	ug/L	100
9) Diethyl Ether	1.847	59	136259	50.92	ug/L	99
10) Freon 123a	1.847	67	162640	54.91	ug/L	96
11) Freon 123	1.889	83	207870	61.55	ug/L	99
12) Acrolein	1.932	56	73264	99.53	ug/L	99
13) 1,1-Diclethene	2.005	96	134951	56.52	ug/L	98
14) Freon 113	2.011	101	126838	58.60	ug/L	99
15) Acetone	2.042	43	69017	49.40	ug/L	99
16) 2-Propanol	2.164	45	327623	1054.10	ug/L	99
17) Iodomethane	2.115	142	181506	52.20	ug/L	100
18) Carbon Disulfide	2.170	76	363818	57.57	ug/L	99
19) Acetonitrile	2.255	40	78209m	278.75	ug/L	
20) Allyl Chloride	2.292	76	78125	56.70	ug/L	96
21) Methyl Acetate	2.310	43	151739	52.24	ug/L	97
22) Methylene Chloride	2.389	84	149331	49.07	ug/L	99
23) TBA	2.511	59	553580	1061.29	ug/L	99
24) Acrylonitrile	2.602	53	415248	256.60	ug/L	99
25) Methyl-t-Butyl Ether	2.657	73	477060	52.49	ug/L	99
26) trans-1,2-Dichloroethene	2.639	96	144309	53.96	ug/L	99
27) 1,1-Diclethane	3.066	63	263679	53.71	ug/L	99
28) Vinyl Acetate	3.151	86	38240	60.46	ug/L #	92
29) DIPE	3.182	45	424125	50.41	ug/L	100
30) 2-Chloro-1,3-Butadiene	3.176	53	181288	56.06	ug/L	98
31) ETBE	3.639	59	378579	47.19	ug/L	99
32) 2,2-Dichloropropane	3.779	77	207081	57.11	ug/L	97
33) cis-1,2-Dichloroethene	3.785	96	161440	52.35	ug/L	100
34) 2-Butanone	3.828	43	103430	49.81	ug/L	92
35) Propionitrile	3.889	54	175152	262.58	ug/L	100
36) Bromochloromethane	4.120	130	103235	48.70	ug/L	97
37) Methacrylonitrile	4.120	67	86794	52.15	ug/L	97
38) Tetrahydrofuran	4.206	42	67902	49.72	ug/L	100
39) Chloroform	4.279	83	251168	51.82	ug/L	98
40) 1,1,1-Trichloroethane	4.547	97	215274	56.69	ug/L	95

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5222.D
Acq On : 26 Mar 2019 5:20 pm
Operator : F.NAEGLER
Sample : 50 PPB ICV Inst : MSVOA14
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Mar 30 14:51:07 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 16:08:17 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) TAME	5.510	73	409690	51.56	ug/L	98
43) Cyclohexane	4.645	41	119427	56.11	ug/L	99
45) Carbontetrachloride	4.840	117	168193	56.45	ug/L	99
46) 1,1-Dichloropropene	4.852	75	196140	58.06	ug/L	99
48) Benzene	5.218	78	578899	52.10	ug/L	99
49) 1,2-Dichloroethane	5.260	62	197248	50.03	ug/L	99
50) Iso-Butyl Alcohol	5.260	43	226277	1054.36	ug/L	95
51) n-Heptane	5.803	43	165542	60.06	ug/L	95
52) 1-Butanol	6.376	56	366054	2553.80	ug/L	99
53) Trichloroethene	6.303	130	161339	53.21	ug/L	99
54) Methylcyclohexane	6.565	55	171757	57.89	ug/L	94
55) 1,2-Diclpropane	6.608	63	156724	51.96	ug/L	98
56) Dibromomethane	6.760	93	98892	49.16	ug/L	94
57) 1,4-Dioxane	6.852	88	68365	1051.97	ug/L	97
58) Methyl Methacrylate	6.888	69	140326	54.08	ug/L	97
59) Bromodichloromethane	7.022	83	180166	51.37	ug/L	98
60) 2-Nitropropane	7.333	41	78244	102.27	ug/L	95
61) 2-Chloroethylvinyl Ether	7.486	63	33055	51.65	ug/L	100
62) cis-1,3-Dichloropropene	7.626	75	245016	52.95	ug/L	98
63) 4-Methyl-2-pentanone	7.864	43	187075	51.43	ug/L	99
65) Toluene	8.022	91	621997	52.39	ug/L	100
66) trans-1,3-Dichloropropene	8.327	75	220868	53.78	ug/L	98
67) Ethyl Methacrylate	8.504	69	238768	57.89	ug/L	99
68) 1,1,2-Trichloroethane	8.528	97	146340	48.86	ug/L	98
71) Tetrachloroethene	8.668	164	123277	51.42	ug/L	93
72) 2-Hexanone	8.863	43	139805	51.99	ug/L	97
73) 1,3-Dichloropropane	8.711	76	255401	50.49	ug/L	98
74) Dibromochloromethane	8.961	129	141060	50.97	ug/L	97
75) N-Butyl Acetate	9.052	43	279827	56.14	ug/L	99
76) 1,2-Dibromoethane	9.059	107	153186	50.51	ug/L	98
77) 3-Chlorobenzotrifluoride	9.650	180	208591	54.92	ug/L	99
78) Chlorobenzene	9.607	112	400029	51.13	ug/L	99
79) 4-Chlorobenzotrifluoride	9.711	180	186355	54.17	ug/L	100
80) 1,1,1,2-Tetrachloroethane	9.705	131	138854	54.43	ug/L	98
81) Ethylbenzene	9.741	106	221478	55.71	ug/L	100
82) (m+p)Xylene	9.869	106	533395	108.44	ug/L	98
83) o-Xylene	10.247	106	260826	53.60	ug/L	99
84) Styrene	10.259	104	440264	53.32	ug/L	99
85) Bromoform	10.406	173	93193	51.13	ug/L	100
86) 2-Chlorobenzotrifluoride	10.509	180	200962	52.53	ug/L	100
87) Isopropylbenzene	10.607	105	671612	55.88	ug/L	99
88) Cyclohexanone	10.656	55	723801	1032.31	ug/L	99
89) trans-1,4-Dichloro-2-B...	10.930	53	53025	54.46	ug/L	98
91) 1,1,2,2-Tetrachloroethane	10.875	83	214650	50.30	ug/L	99
92) Bromobenzene	10.845	156	174305	49.49	ug/L	97
93) 1,2,3-Trichloropropane	10.900	110	70282	47.75	ug/L	96
94) n-Propylbenzene	10.979	91	774023	55.64	ug/L	99
95) 2-Chlorotoluene	11.034	91	458087	52.55	ug/L	99
96) 3-Chlorotoluene	11.089	91	428742	50.29	ug/L	99
97) 4-Chlorotoluene	11.131	91	519988	51.70	ug/L	99
98) 1,3,5-Trimethylbenzene	11.137	105	549483	55.05	ug/L	99
99) tert-Butylbenzene	11.418	119	474448	54.90	ug/L	99
100) 1,2,4-Trimethylbenzene	11.460	105	556778	55.11	ug/L	99
101) 3,4-Dichlorobenzotrifl...	11.528	214	159745	52.77	ug/L	99
102) sec-Butylbenzene	11.607	105	697170	56.46	ug/L	100
103) p-Isopropyltoluene	11.735	119	582233	55.43	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5222.D
Acq On : 26 Mar 2019 5:20 pm
Operator : F.NAEGLER
Sample : 50 PPB ICV Inst : MSVOA14
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Mar 30 14:51:07 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 16:08:17 2019
Response via : Initial Calibration

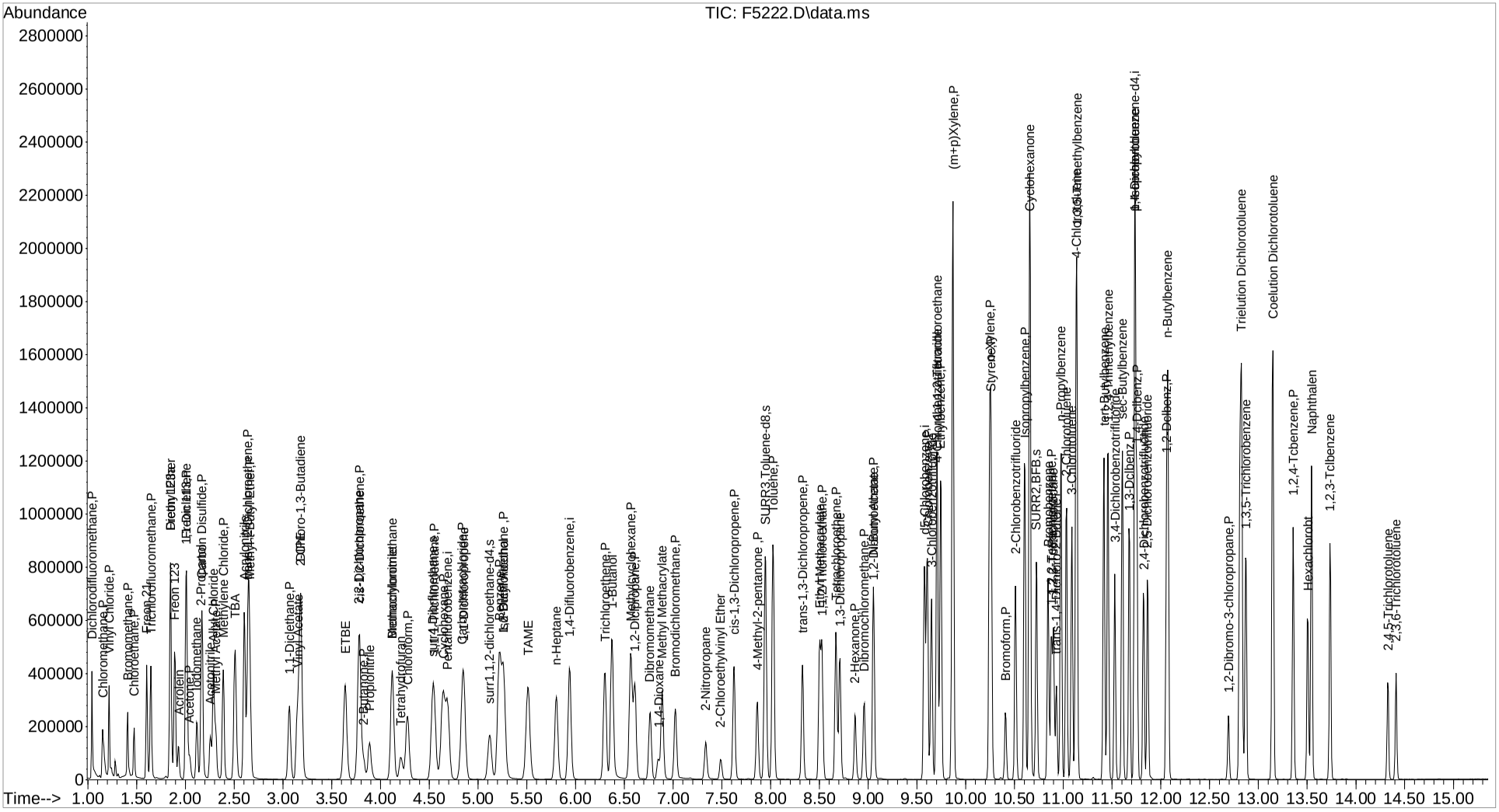
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3-Dclbenz	11.680	146	317404	49.80	ug/L	100
105) 1,4-Dclbenz	11.753	146	320146	47.81	ug/L	99
106) 2,4-Dichlorobenzotrifl...	11.826	214	143739	52.61	ug/L	98
107) 2,5-Dichlorobenzotrifl...	11.863	214	162488	51.86	ug/L	95
108) n-Butylbenzene	12.070	91	523893	56.62	ug/L	96
109) 1,2-Dclbenz	12.058	146	313507	48.44	ug/L	100
110) 1,2-Dibromo-3-chloropr...	12.698	157	51811	50.24	ug/L	91
111) Trielution Dichlorotol...	12.826	125	750386	159.96	ug/L	99
112) 1,3,5-Trichlorobenzene	12.875	180	213271	51.29	ug/L	100
113) Coelution Dichlorotoluene	13.149	125	543287	107.92	ug/L	100
114) 1,2,4-Tcbenzene	13.356	180	224648	50.70	ug/L	97
115) Hexachlorobt	13.509	225	96670	51.82	ug/L	98
116) Naphthalen	13.545	128	686404	50.65	ug/L	100
117) 1,2,3-Tclbenzene	13.734	180	215613	49.72	ug/L	99
118) 2,4,5-Trichlorotoluene	14.326	159	76421	60.60	ug/L	97
119) 2,3,6-Trichlorotoluene	14.411	159	71689	51.13	ug/L	97

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5222.D
Acq On : 26 Mar 2019 5:20 pm
Operator : F.NAEGLER
Sample : 50 PPB ICV Inst : MSVOA14
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Mar 30 14:51:07 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 16:08:17 2019
Response via : Initial Calibration



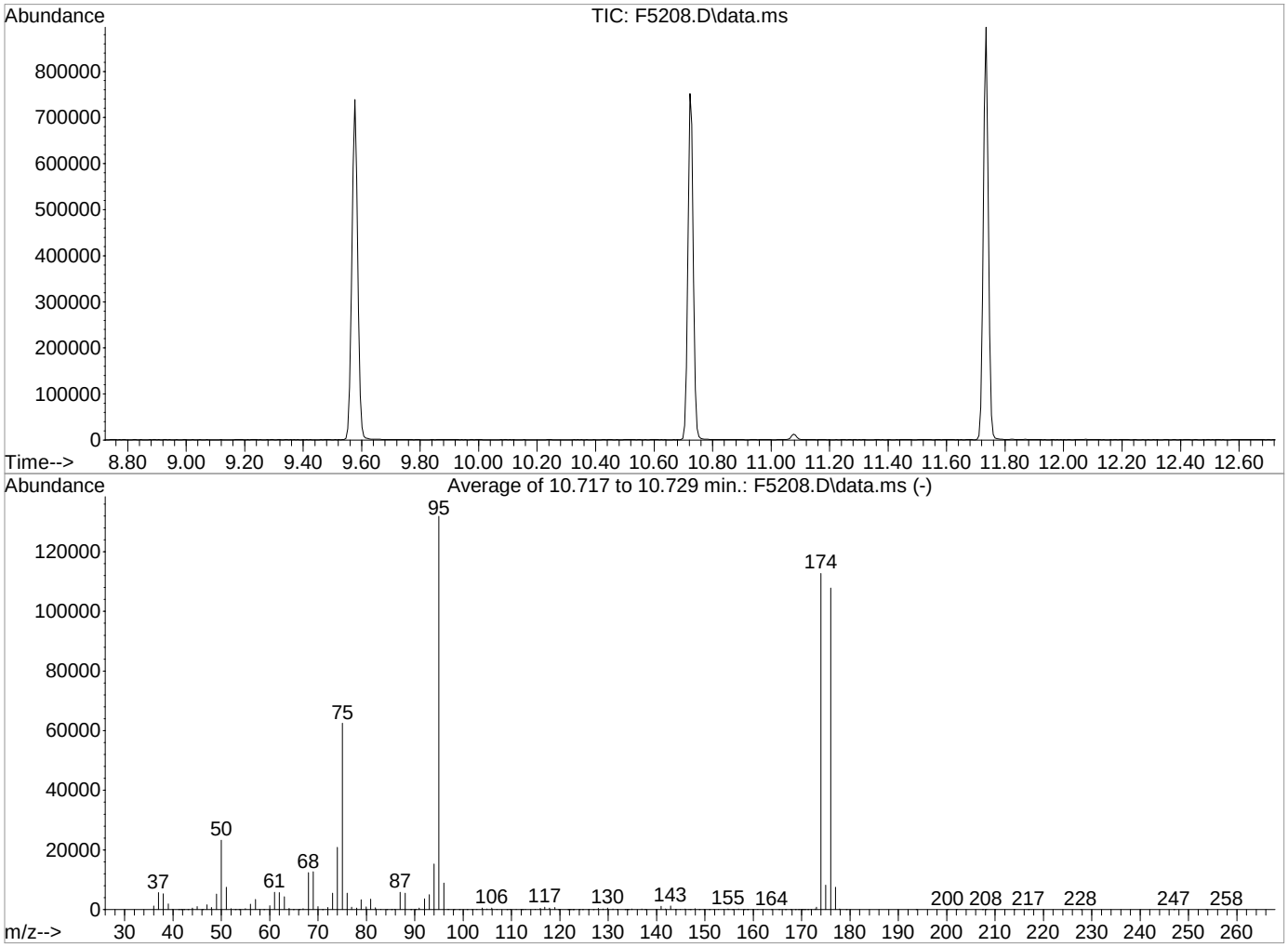
1st 04/01/19
2nd 04/01/19

1st FW 04/01/19
2nd WR 04/01/19

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5208.D
Acq On : 26 Mar 2019 11:02 am
Operator : F.NAEGLER
Sample : TUNE Inst : MSVOA14
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: CPD4.P

Method : C:\msdchem\1\METHODS\W032619.m
Title : MS#14 - 8260 WATERS 5mL Purge
Last Update : Tue Mar 26 16:08:17 2019



AutoFind: Scans 1596, 1597, 1598; Background Corrected with Scan 1591

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.6	23237	PASS
75	95	30	60	47.4	62467	PASS
95	95	100	100	100.0	131880	PASS
96	95	5	9	6.7	8865	PASS
173	174	0.00	2	0.7	755	PASS
174	95	50	120	85.5	112733	PASS
175	174	5	9	7.3	8187	PASS
176	174	95	101	95.7	107848	PASS
177	176	5	9	6.9	7451	PASS

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5209.D
Acq On : 26 Mar 2019 11:47 am
Operator : F.NAEGLER
Sample : ICAL BLK Inst : MSVOA14
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 30 14:49:15 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 16:08:17 2019
Response via : Initial Calibration

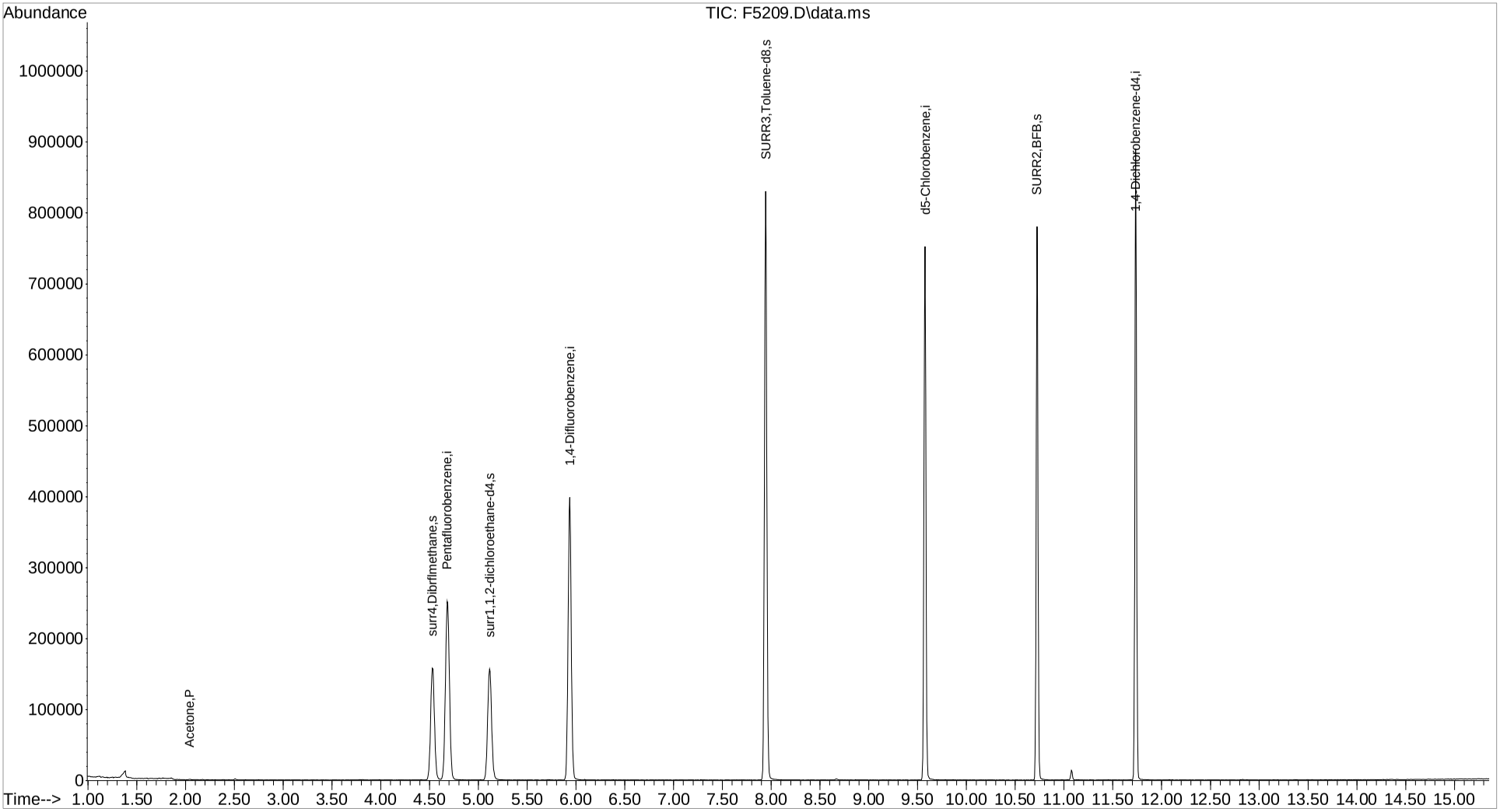
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.681	168	263872	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	5.937	114	400844	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.576	117	348408	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.735	152	179807	50.00	ug/L	0.00
System Monitoring Compounds						
44) surr4,Dibrflmethane	4.529	113	131361	49.18	ug/L	0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 98.36%			
47) surr1,1,2-dichloroetha...	5.114	65	155139	49.56	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 99.12%			
64) SURR3,Toluene-d8	7.943	98	538730	50.53	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 101.06%			
69) SURR2,BFB	10.723	95	200123	48.47	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 96.94%			
Target Compounds						Qvalue
5) Bromomethane	1.413	94	374	Below Cal	#	76
15) Acetone	2.041	43	501	0.39	ug/L	96

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

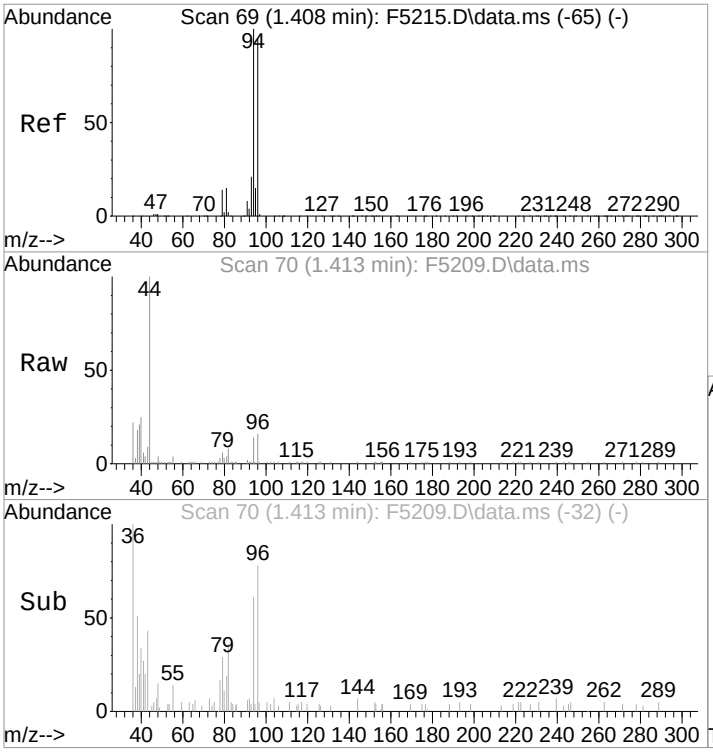
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5209.D
Acq On : 26 Mar 2019 11:47 am
Operator : F.NAEGLER
Sample : ICAL BLK Inst : MSVOA14
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 30 14:49:15 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 16:08:17 2019
Response via : Initial Calibration



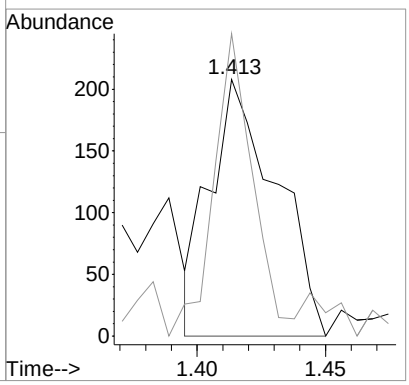
1st 04/01/19
2nd 04/01/19

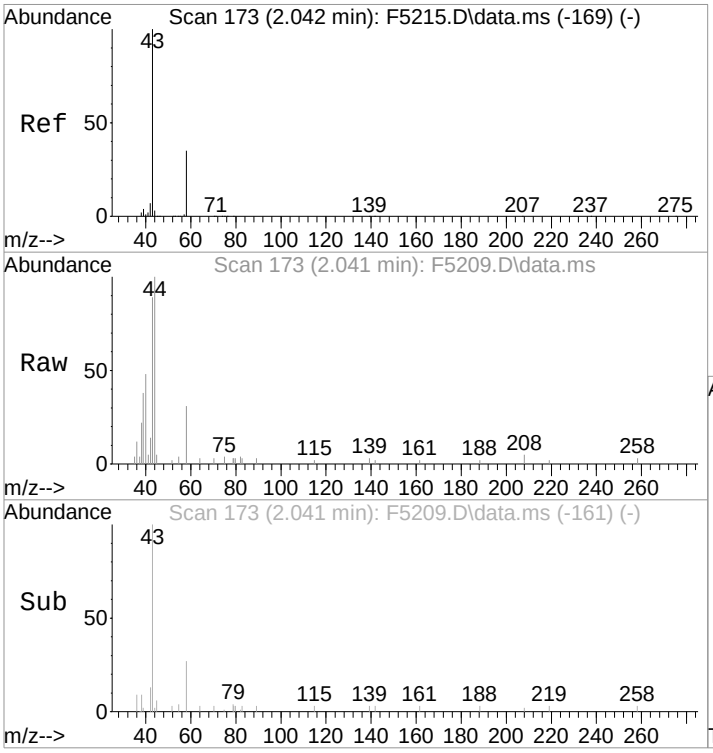


#5
Bromomethane
Concen: Below Cal
RT: 1.413 min Scan# 70
Delta R.T. 0.006 min
Lab File: F5209.D
Acq: 26 Mar 2019 11:47 am

Tgt Ion: 94 Resp: 374

Ion	Ratio	Lower	Upper
94	100		
96	117.8	74.5	114.5#

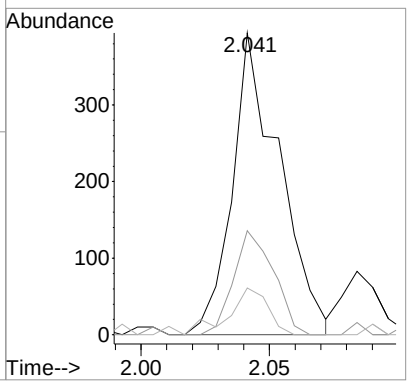




#15
Acetone
Concen: 0.39 ug/L
RT: 2.041 min Scan# 173
Delta R.T. 0.000 min
Lab File: F5209.D
Acq: 26 Mar 2019 11:47 am

Tgt Ion: 43 Resp: 501

Ion	Ratio	Lower	Upper
43	100		
58	34.5	14.7	54.7
42	15.5	0.0	27.4

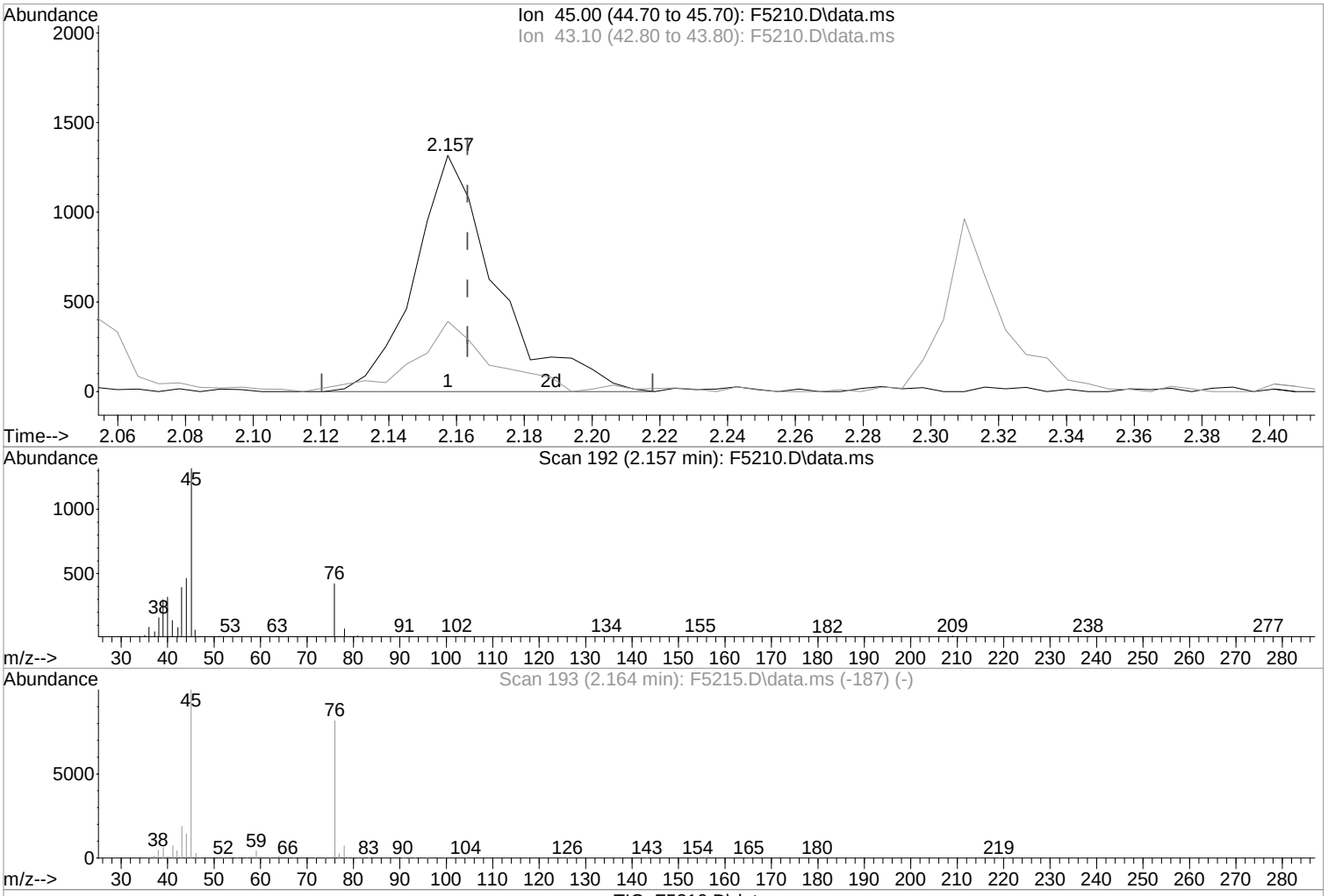


1st FW 04/01/19
2nd 04/01/19

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5210.D
Acq On : 26 Mar 2019 12:53 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 26 13:57:23 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Feb 26 15:29:19 2019
Response via : Initial Calibration



TIC: F5210.D\data.ms

(16) 2-Propanol

2.157min (-0.006) 10.23 ug/L m

response 2208

Ion	Exp%	Act%
45.00	100	100
43.10	22.20	29.76
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

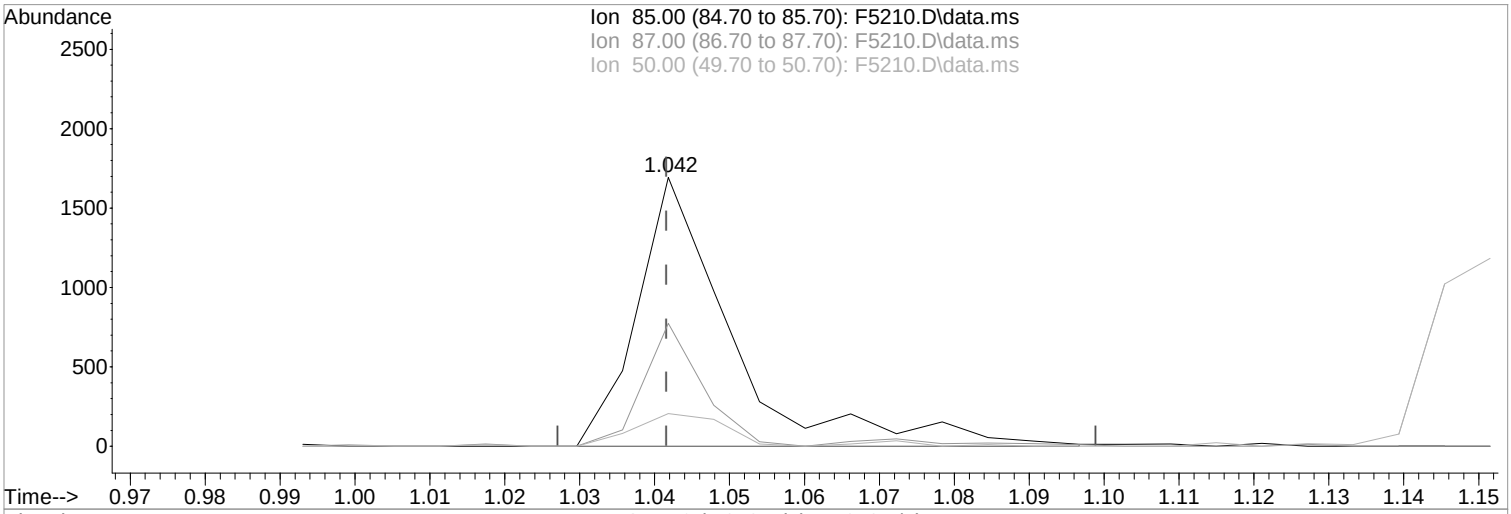
Poor integration.

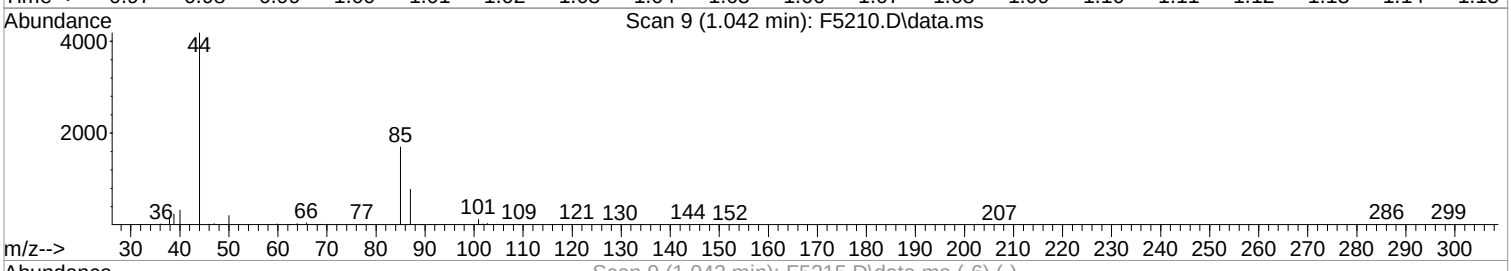
04/01/19

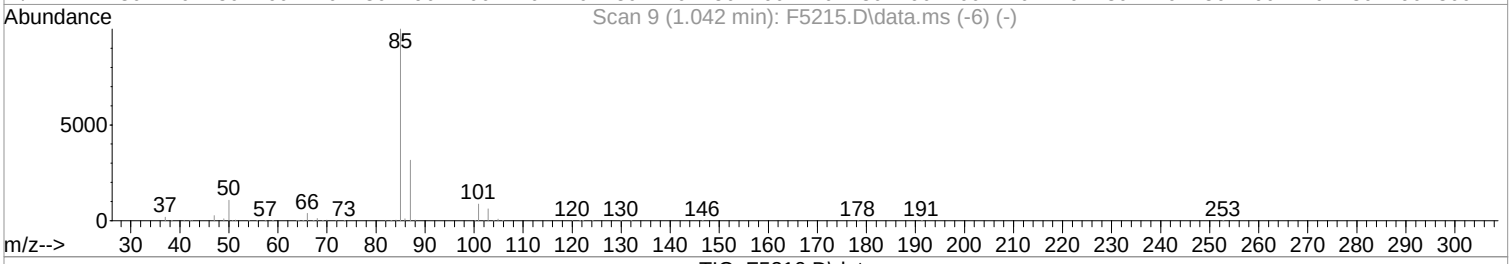
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5210.D
Acq On : 26 Mar 2019 12:53 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 26 13:57:23 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Feb 26 15:29:19 2019
Response via : Initial Calibration







TIC: F5210.D\data.ms

(2) Dichlorodifluoromethane (P)

1.042min (+0.000) 0.41 ug/L m

response 1491

Ion	Exp%	Act%
85.00	100	100
87.00	33.30	45.69
50.00	14.00	12.16
0.00	0.00	0.00

Manual Integration:

After

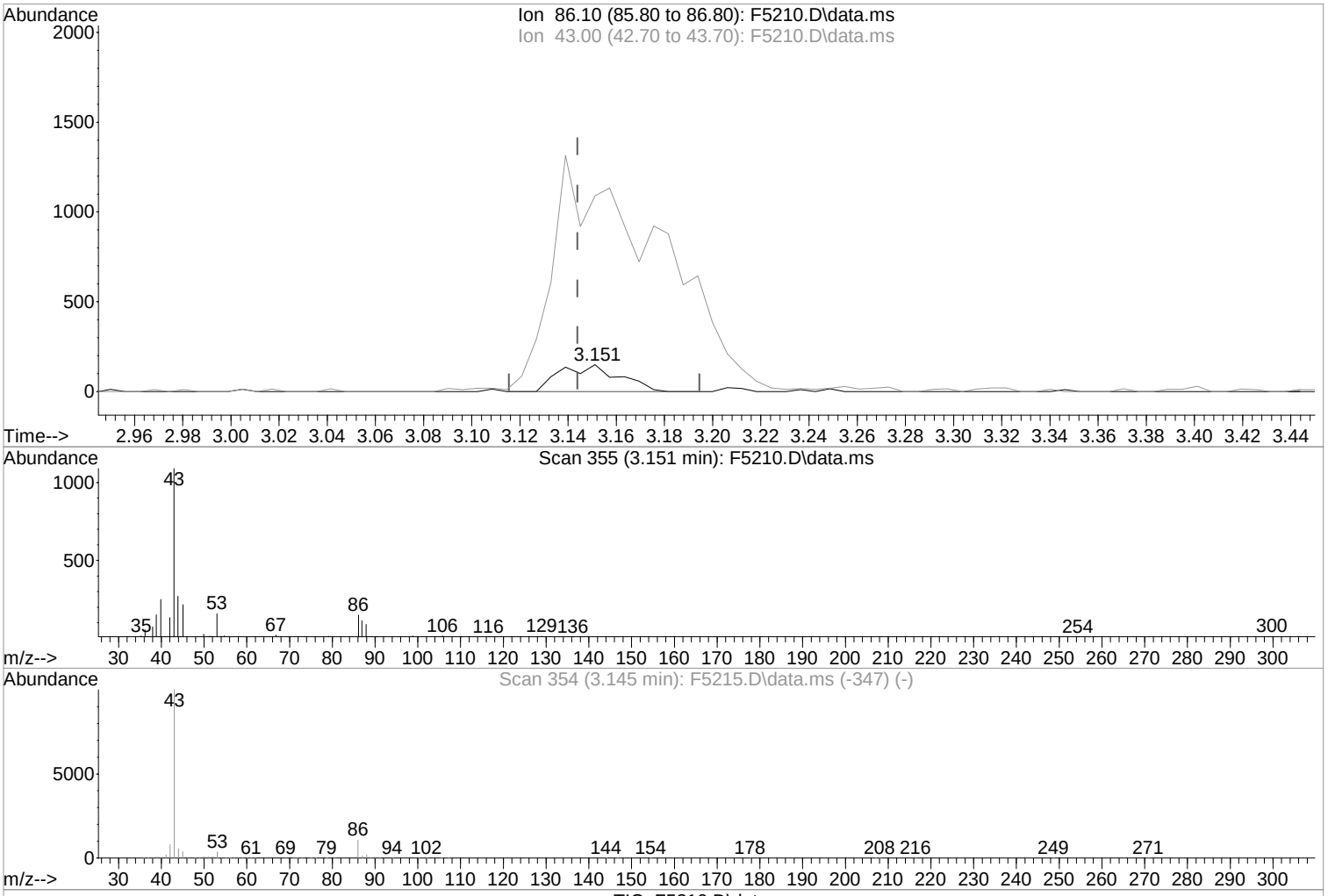
Poor integration.

04/01/19

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5210.D
Acq On : 26 Mar 2019 12:53 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 26 13:57:23 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Feb 26 15:29:19 2019
Response via : Initial Calibration



TIC: F5210.D\data.ms

(28) Vinyl Acetate

3.151min (+0.007) 0.46 ug/L m

response 255

Ion	Exp%	Act%
86.10	100	100
43.00	1004.50	731.54#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Peak not found.

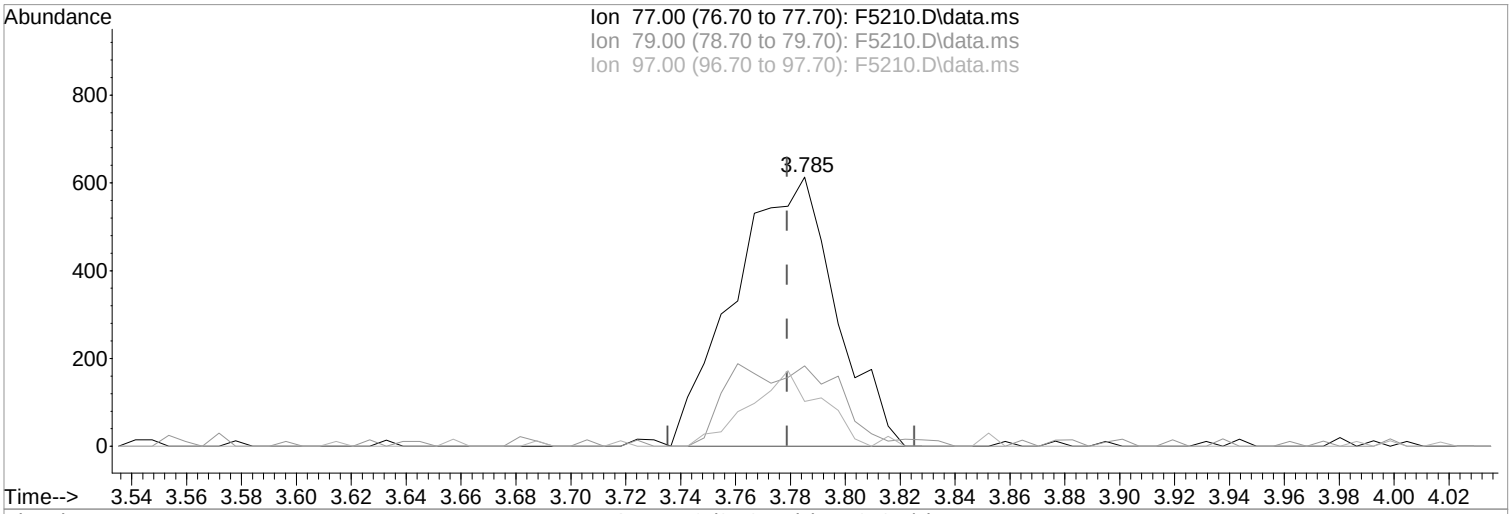
04/01/19

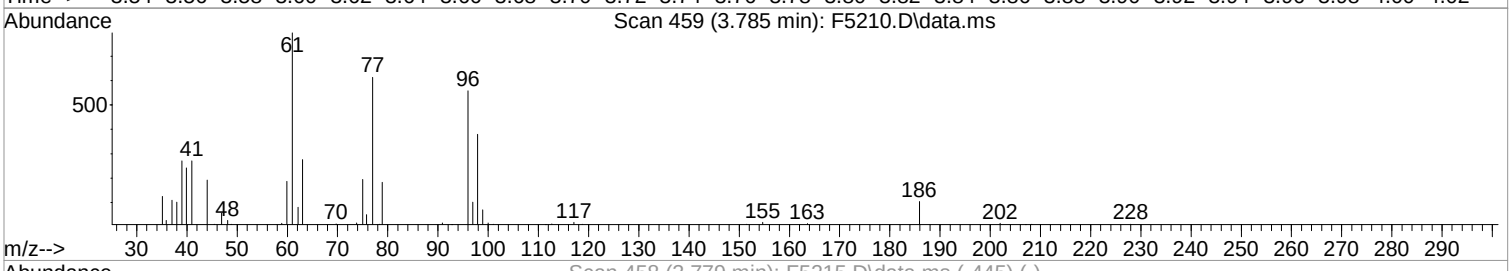
1st FW 04/01/19
2nd 04/01/19

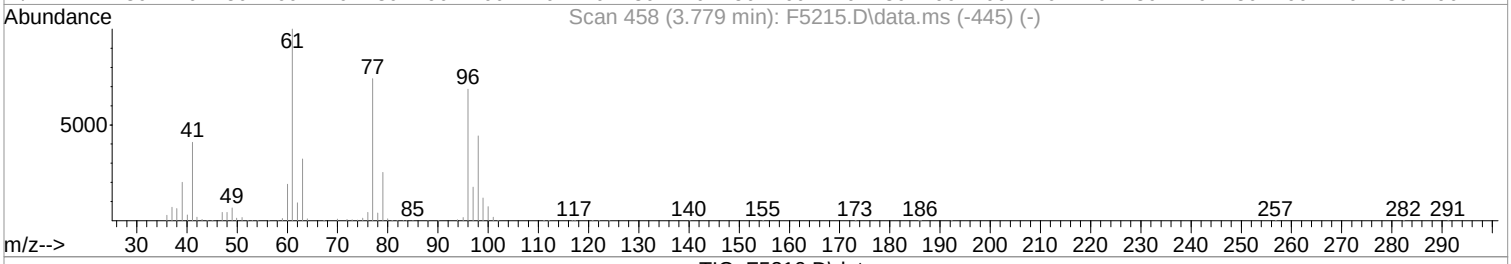
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5210.D
Acq On : 26 Mar 2019 12:53 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 26 13:57:23 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Feb 26 15:29:19 2019
Response via : Initial Calibration







TIC: F5210.D\data.ms

(32) 2,2-Dichloropropane

3.785min (+0.006) 0.46 ug/L m

response 1570

Ion	Exp%	Act%
77.00	100	100
79.00	30.20	29.85
97.00	24.20	16.64
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

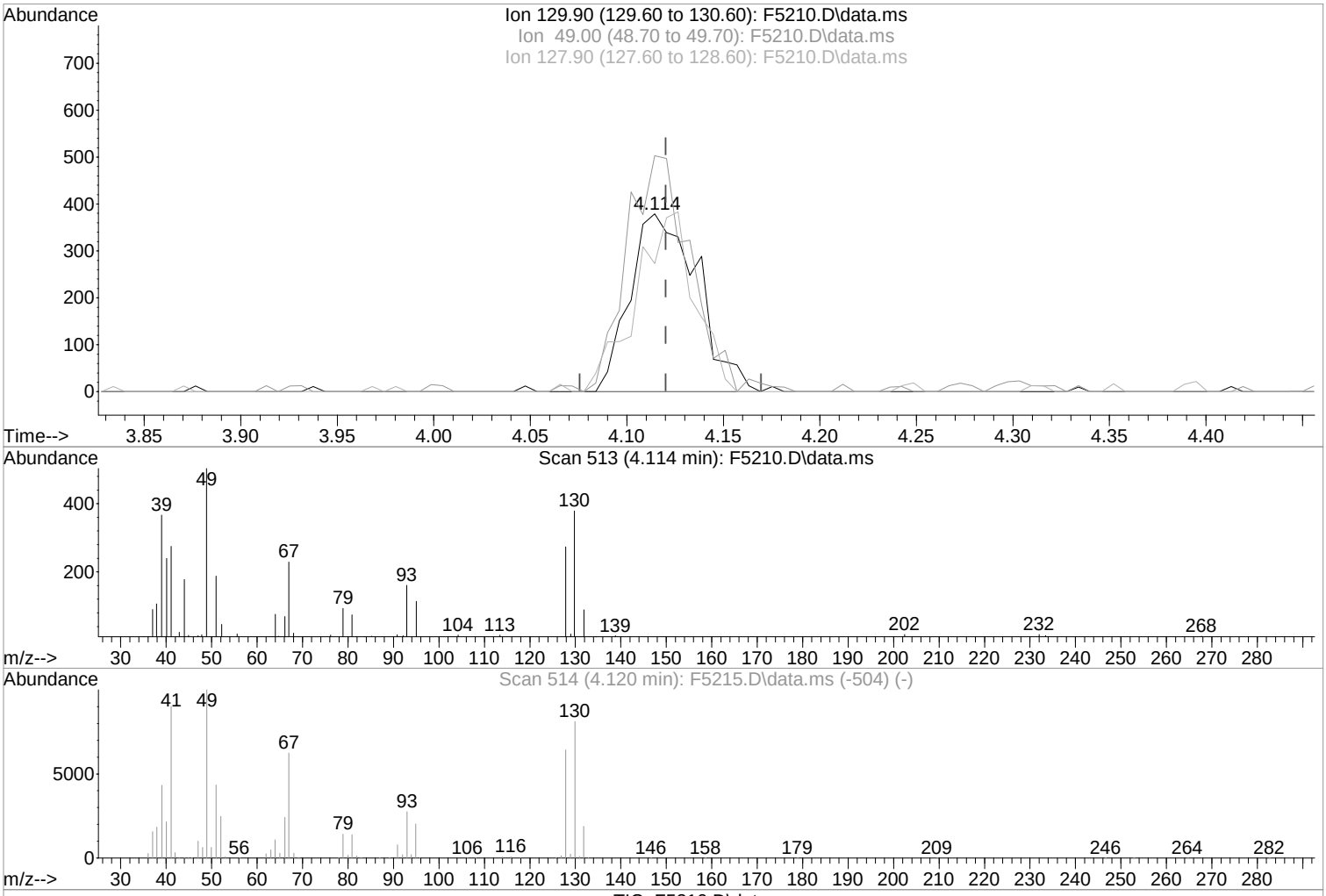
04/01/19

1st FW 04/01/19
2nd 04/01/19

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5210.D
Acq On : 26 Mar 2019 12:53 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 26 13:57:23 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Feb 26 15:29:19 2019
Response via : Initial Calibration



TIC: F5210.D\data.ms

(36) Bromochloromethane

4.114min (-0.006) 0.50 ug/L m

response 927

Ion	Exp%	Act%
129.90	100	100
49.00	125.30	132.72
127.90	73.80	72.03
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

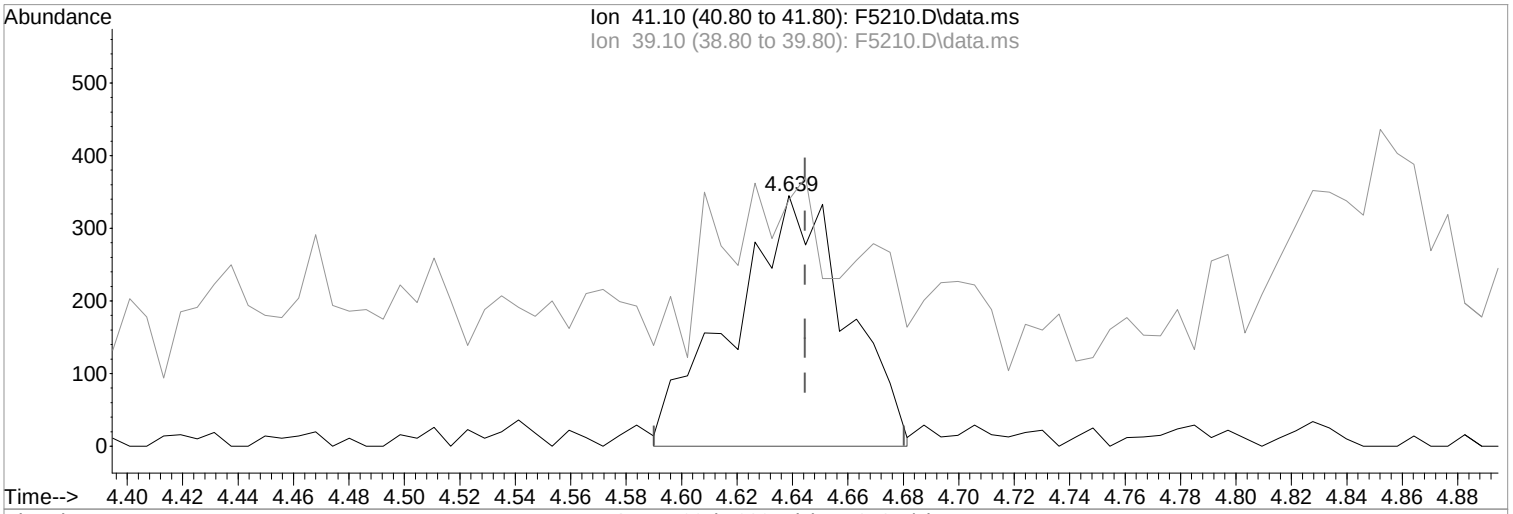
04/01/19

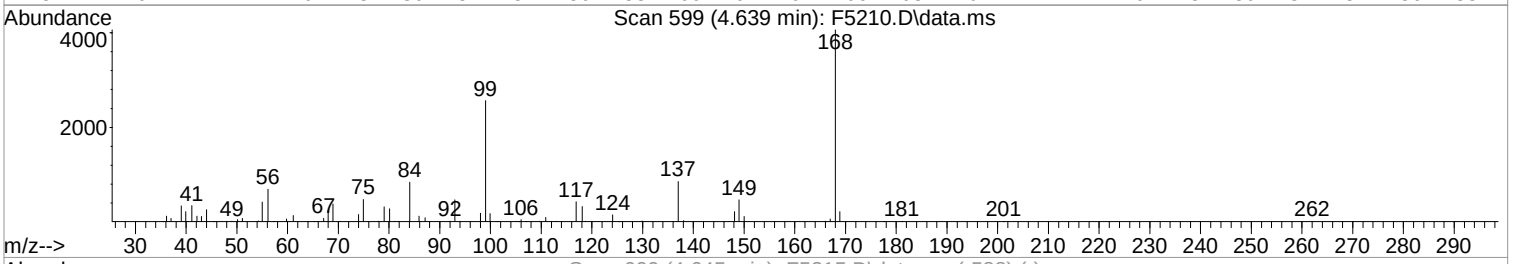
1st FW 04/01/19
2nd 04/01/19

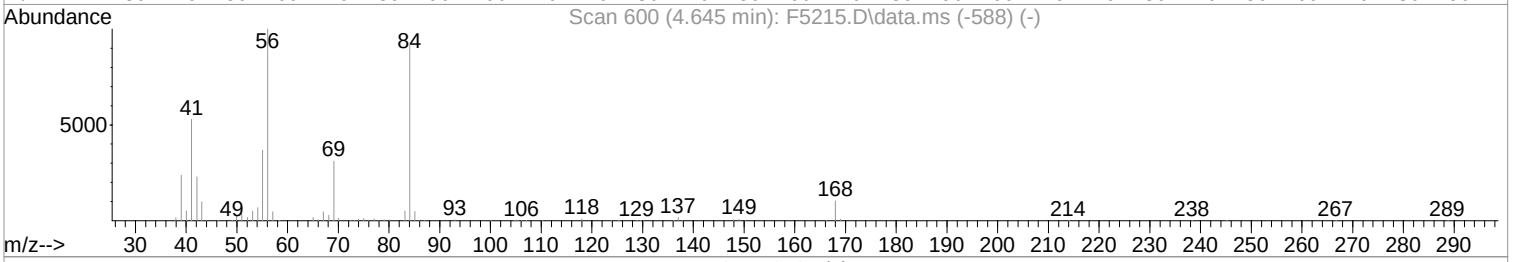
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5210.D
Acq On : 26 Mar 2019 12:53 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 26 13:57:23 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Feb 26 15:29:19 2019
Response via : Initial Calibration







TIC: F5210.D\data.ms

(43) Cyclohexane (P)

4.639min (-0.006) 0.53 ug/L m

response 983

Ion	Exp%	Act%
41.10	100	100
39.10	54.90	98.26#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

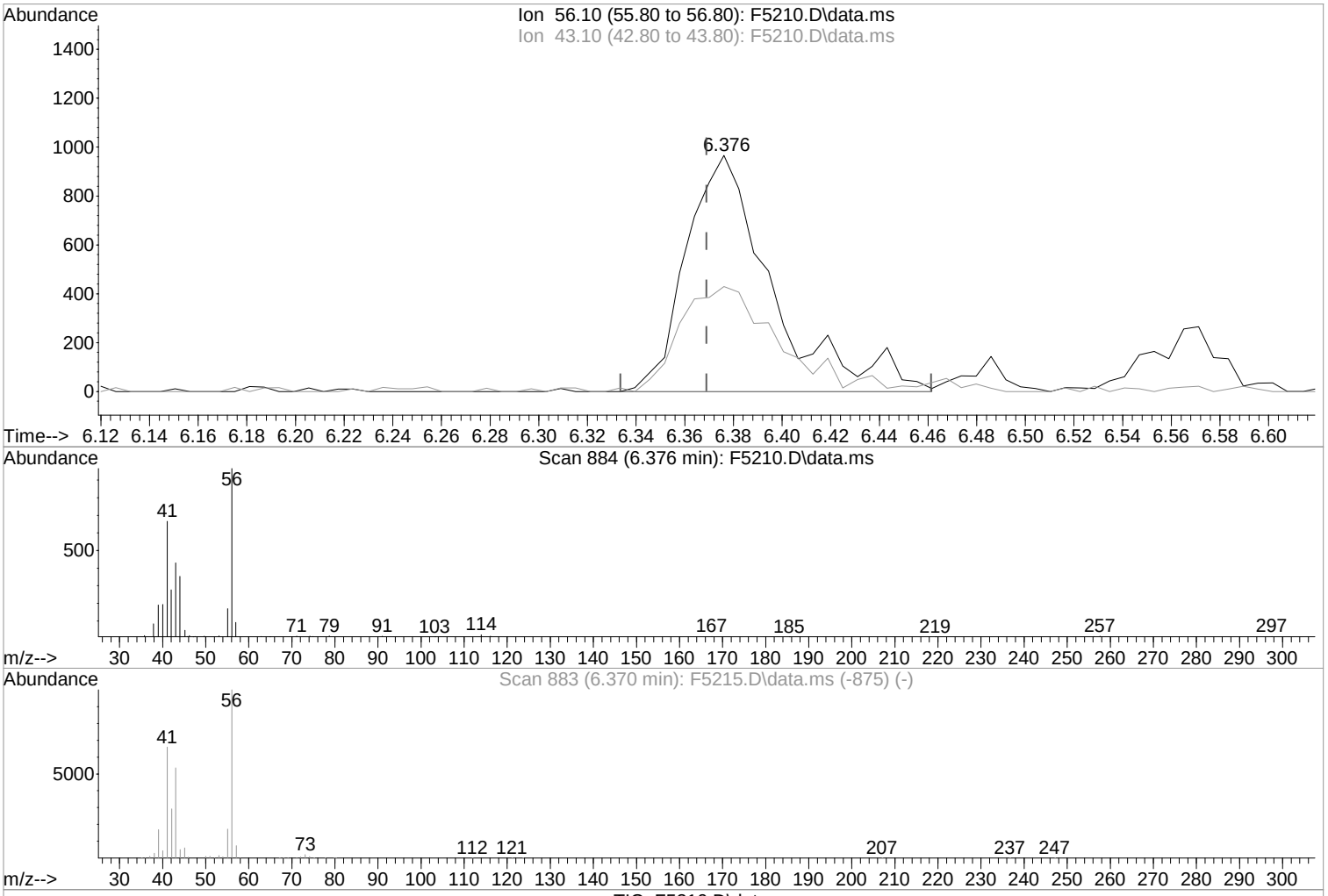
Poor integration.

04/01/19

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5210.D
Acq On : 26 Mar 2019 12:53 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 26 13:57:23 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Feb 26 15:29:19 2019
Response via : Initial Calibration



TIC: F5210.D\data.ms

(52) 1-Butanol

6.376min (+0.007) 20.42 ug/L m

response 2373

Ion	Exp%	Act%
56.10	100	100
43.10	54.40	44.41
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

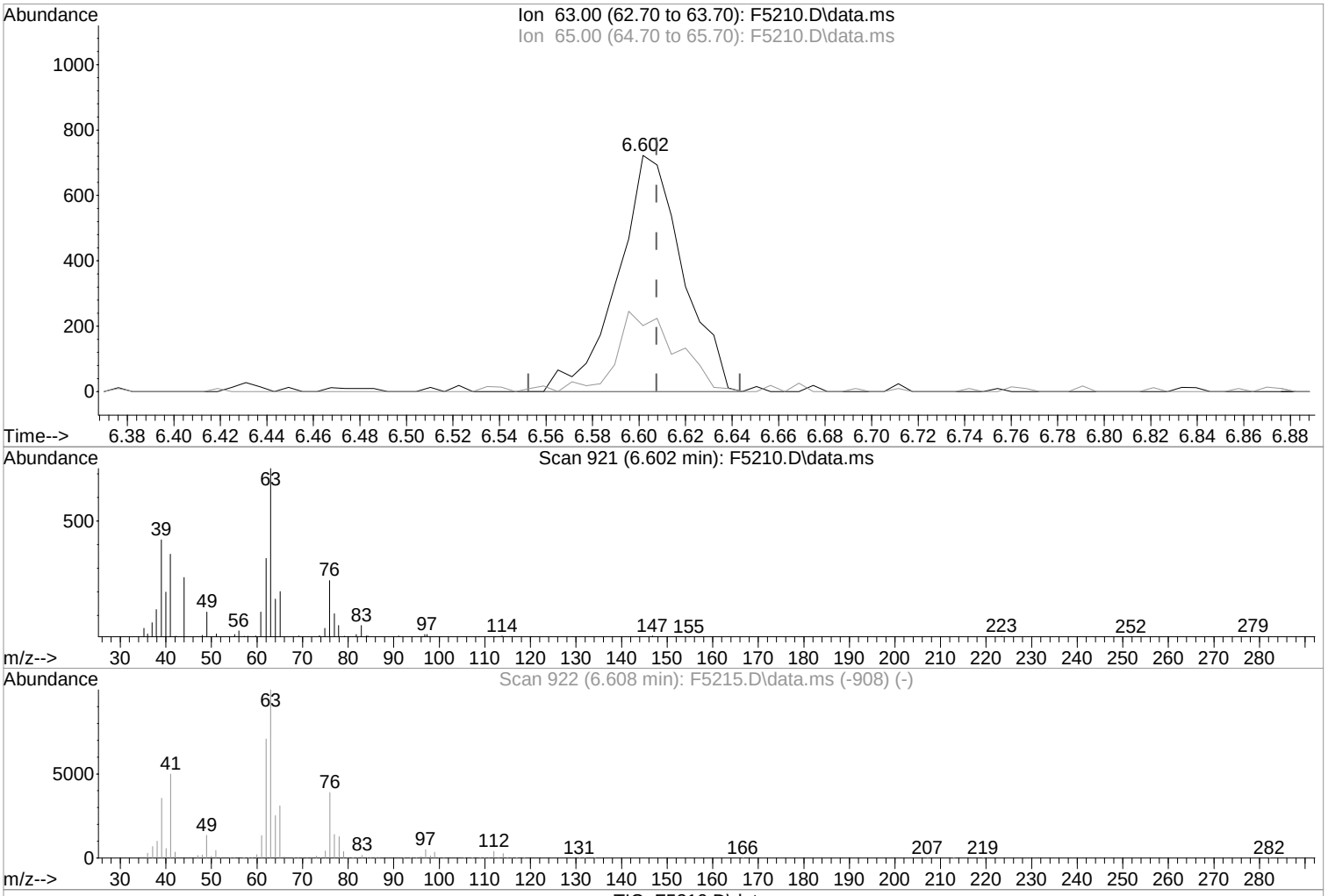
04/01/19

1st FW 04/01/19
2nd 04/01/19

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5210.D
Acq On : 26 Mar 2019 12:53 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 26 13:57:23 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Feb 26 15:29:19 2019
Response via : Initial Calibration



TIC: F5210.D\data.ms

(55) 1,2-Diclpropane (P)

6.602min (-0.006) 0.55 ug/L m

response 1403

Ion	Exp%	Act%
63.00	100	100
65.00	29.10	27.98
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

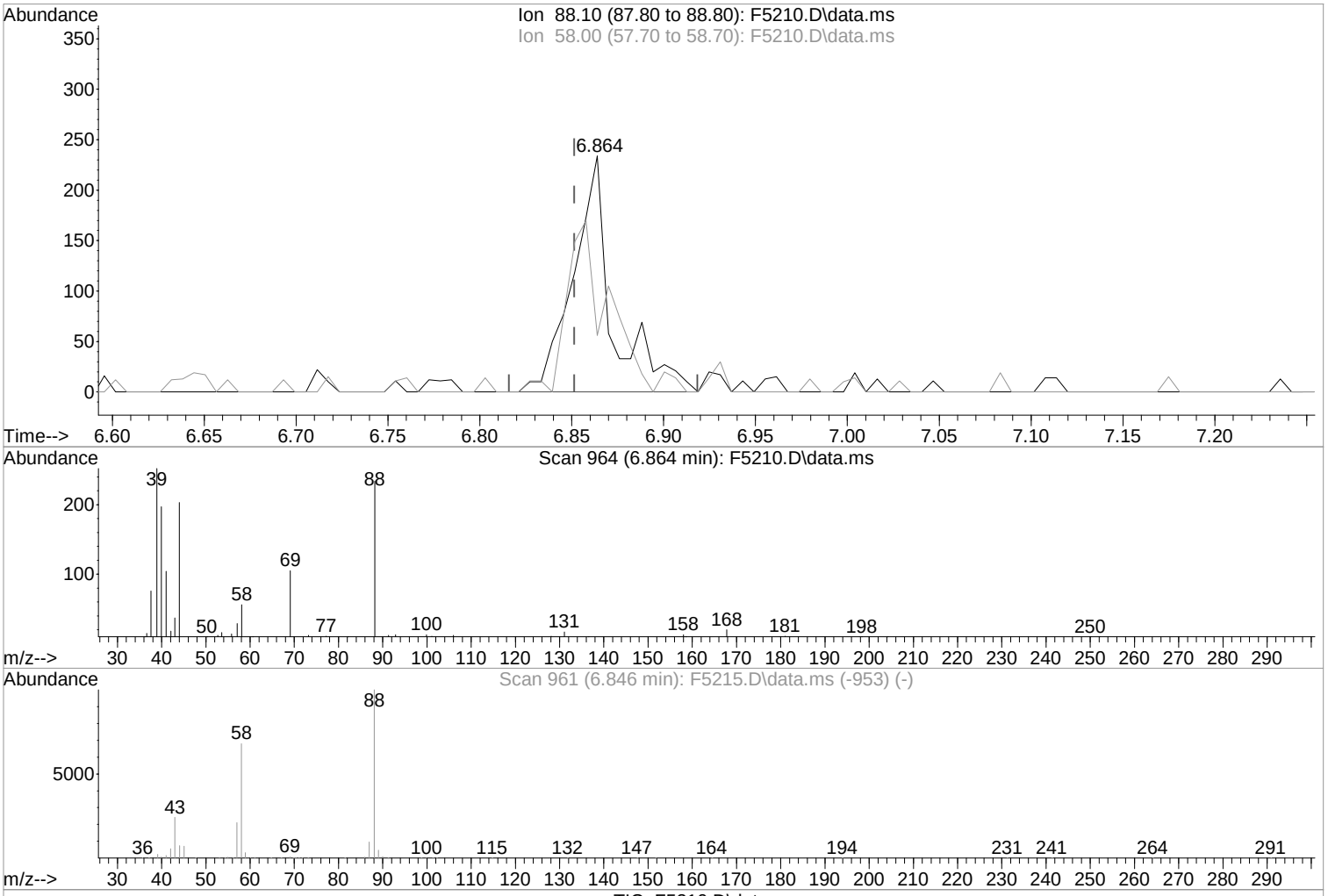
04/01/19

1st FJ 04/01/19
2nd 04/01/19

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5210.D
Acq On : 26 Mar 2019 12:53 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 26 13:57:23 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Feb 26 15:29:19 2019
Response via : Initial Calibration



TIC: F5210.D\data.ms

(57) 1,4-Dioxane

6.864min (+0.012) 6.57 ug/L m

response 345

Ion	Exp%	Act%
88.10	100	100
58.00	59.60	23.93#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

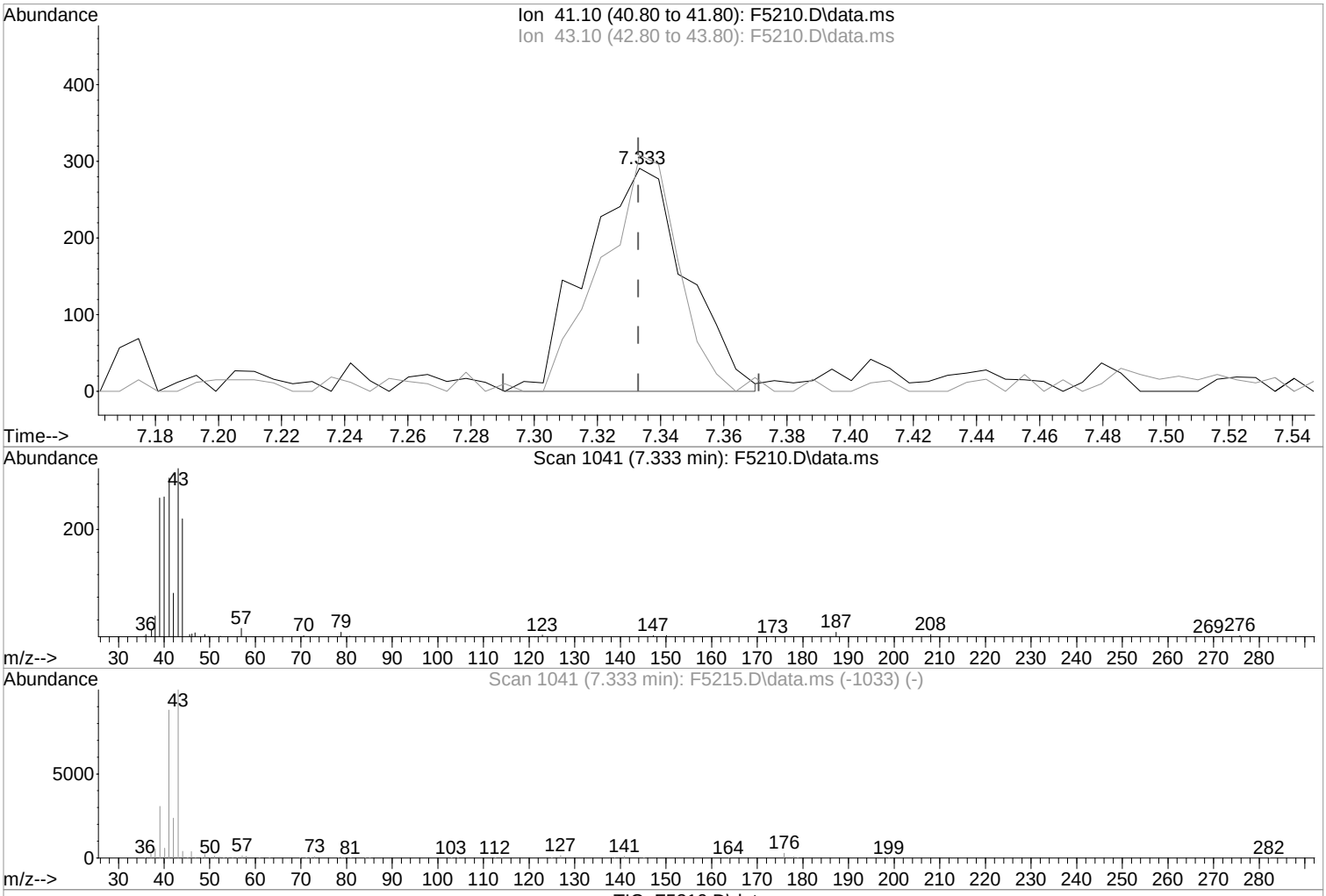
04/01/19

1st FN 04/01/19
2nd 04/01/19

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5210.D
Acq On : 26 Mar 2019 12:53 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 26 13:57:23 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Feb 26 15:29:19 2019
Response via : Initial Calibration



TIC: F5210.D\data.ms

(60) 2-Nitropropane

7.333min (+0.000) 1.00 ug/L m

response 643

Ion	Exp%	Act%
41.10	100	100
43.10	111.10	105.84
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

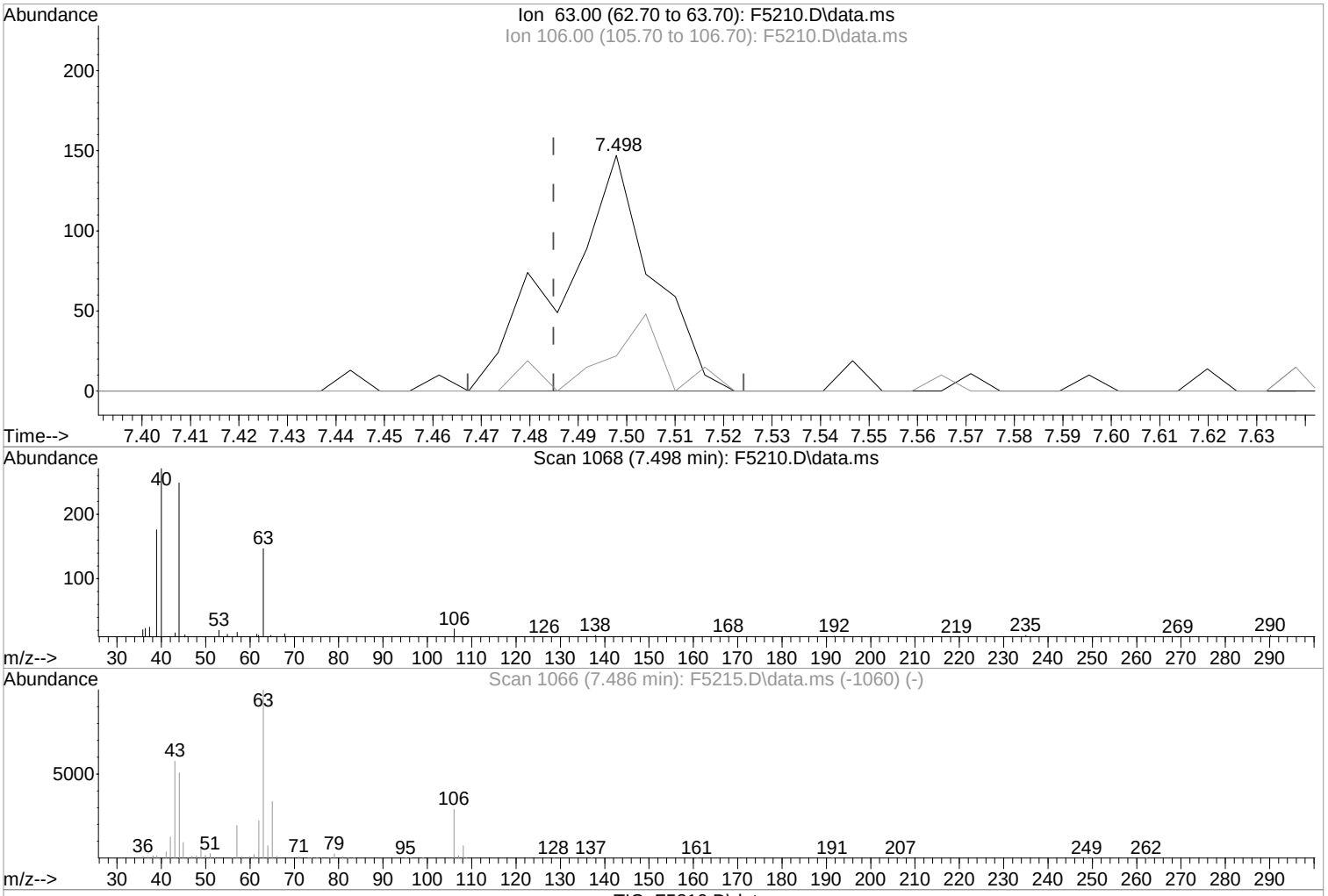
04/01/19

1st FW 04/01/19
2nd 04/01/19

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5210.D
Acq On : 26 Mar 2019 12:53 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 26 13:57:23 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Feb 26 15:29:19 2019
Response via : Initial Calibration



TIC: F5210.D\data.ms

(61) 2-Chloroethylvinyl Ether

7.498min (+0.013) 0.39 ug/L m

response 192

Ion	Exp%	Act%
63.00	100	100
106.00	26.90	14.97
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

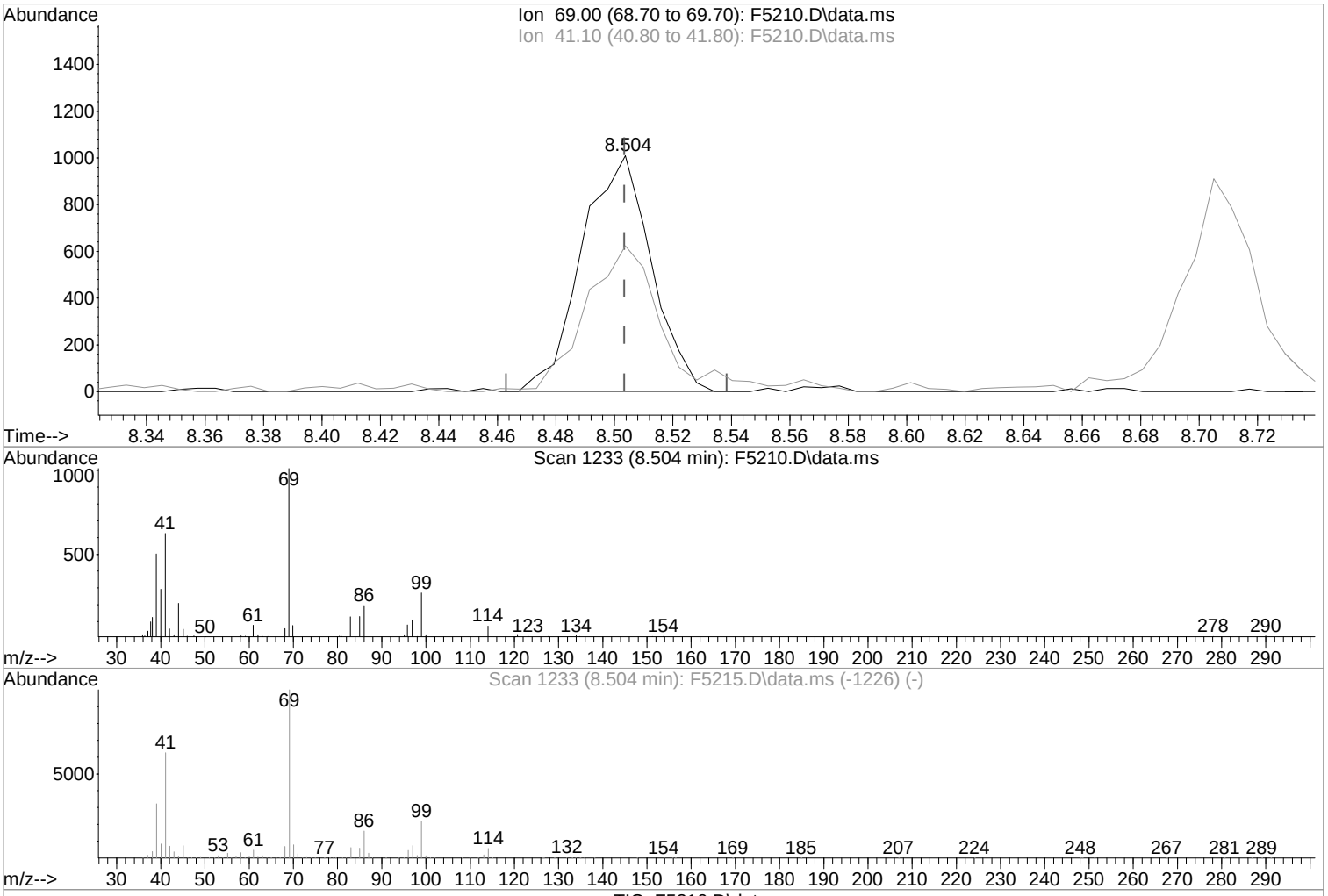
Poor integration.

04/01/19

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5210.D
Acq On : 26 Mar 2019 12:53 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 26 13:57:23 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Feb 26 15:29:19 2019
Response via : Initial Calibration



TIC: F5210.D\data.ms

(67) Ethyl Methacrylate

8.504min (+0.000) 0.44 ug/L m

response 1666

Ion	Exp%	Act%
69.00	100	100
41.10	68.50	61.78
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

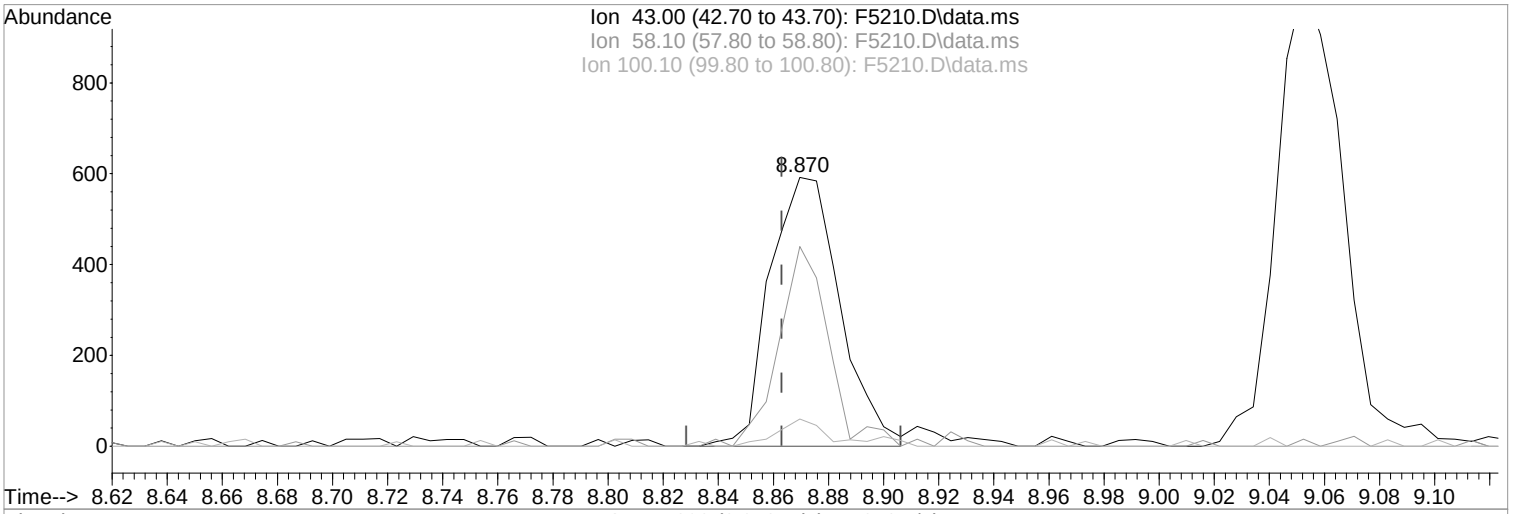
04/01/19

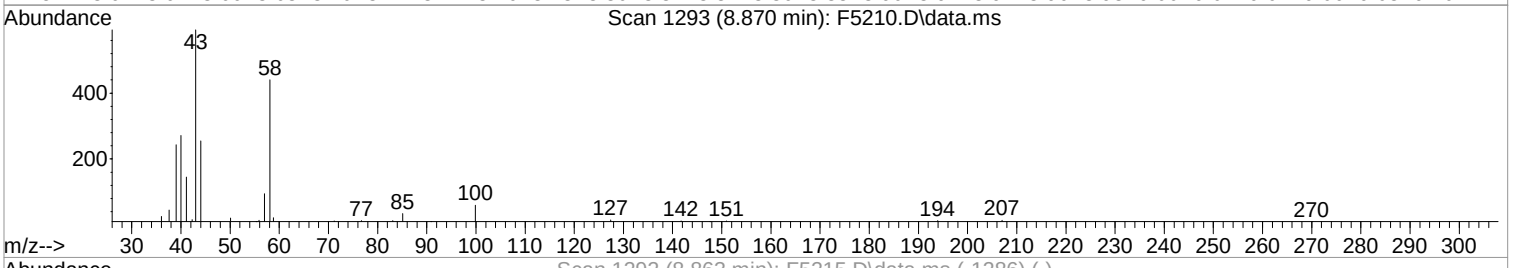
1st FN 04/01/19
2nd 04/01/19

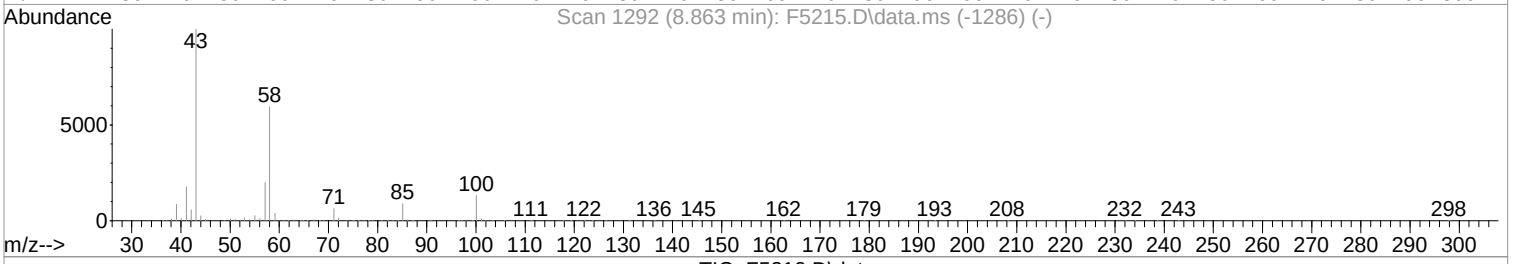
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5210.D
Acq On : 26 Mar 2019 12:53 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 26 13:57:23 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Feb 26 15:29:19 2019
Response via : Initial Calibration







TIC: F5210.D\data.ms

(72) 2-Hexanone (P)

8.870min (+0.007) 0.51 ug/L m

response 1046

Ion	Exp%	Act%
43.00	100	100
58.10	54.70	74.32
100.10	12.70	10.14
0.00	0.00	0.00

Manual Integration:

After

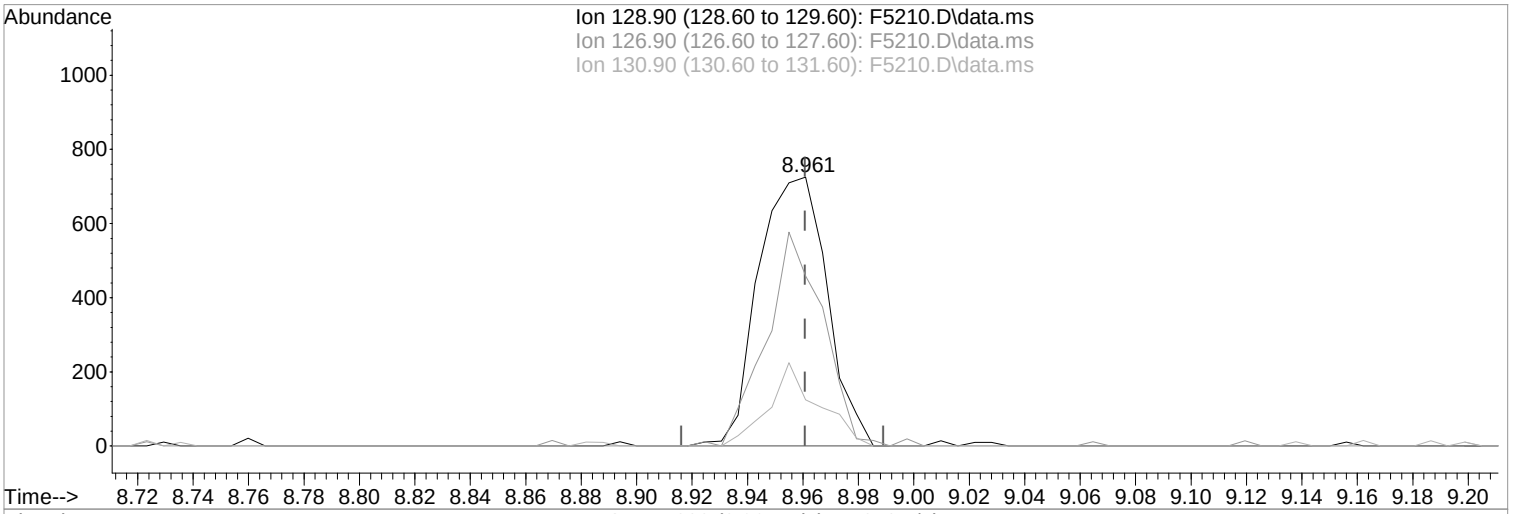
Poor integration.

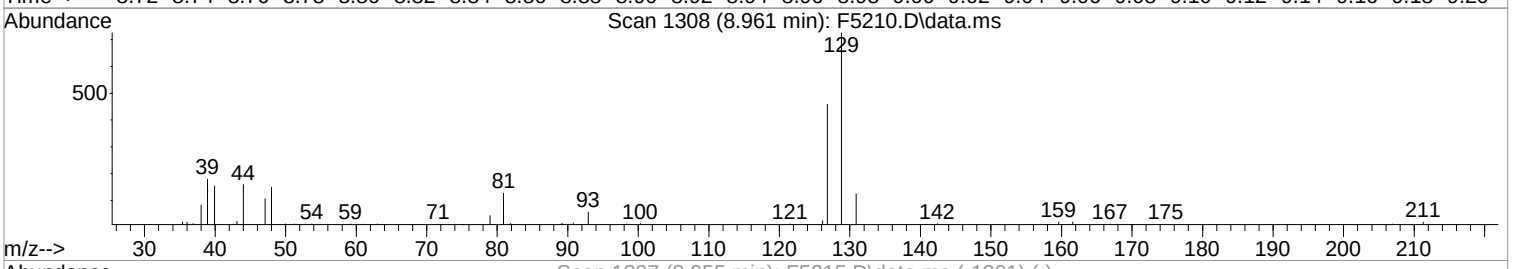
04/01/19

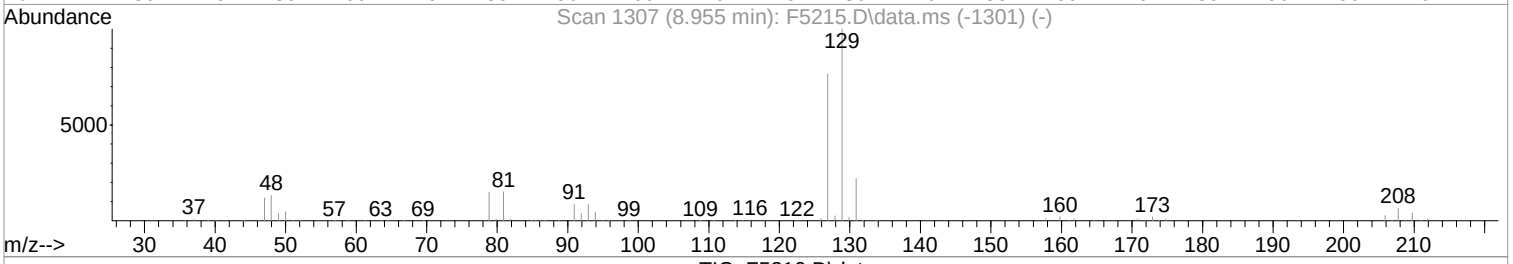
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5210.D
Acq On : 26 Mar 2019 12:53 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 26 13:57:23 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Feb 26 15:29:19 2019
Response via : Initial Calibration







TIC: F5210.D\data.ms

(74) Dibromochloromethane (P)

8.961min (+0.000) 0.47 ug/L m

response 1246

Ion	Exp%	Act%
128.90	100	100
126.90	80.20	63.31
130.90	22.00	17.24
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

04/01/19

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5210.D
Acq On : 26 Mar 2019 12:53 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 26 13:57:23 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Feb 26 15:29:19 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	4.681	168	274390	50.00	ug/L		0.00
42) 1,4-Difluorobenzene	5.937	114	412755	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.577	117	358274	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.735	152	188605	50.00	ug/L		0.00
System Monitoring Compounds							
44) surr4,Dibrflmethane	4.529	113	32995	13.03	ug/L		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 26.06%#				
47) surr1,1,2-dichloroetha...	5.120	65	39394	14.00	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 28.00%#				
64) SURR3,Toluene-d8	7.943	98	144387	14.78	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 29.56%#				
69) SURR2,BFB	10.723	95	58688	16.04	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 32.08%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.042	85	1491m	0.41	ug/L		
3) Chloromethane	1.152	50	1821	0.79	ug/L		96
4) Vinyl Chloride	1.219	62	1452	0.78	ug/L		84
5) Bromomethane	1.414	94	1514	1.24	ug/L		99
6) Chloroethane	1.481	64	959	1.10	ug/L		87
7) Freon 21	1.603	67	1997	0.86	ug/L		90
8) Trichlorofluoromethane	1.651	101	1637	0.69	ug/L		98
9) Diethyl Ether	1.847	59	1212	0.66	ug/L		92
10) Freon 123a	1.847	67	1395	0.64	ug/L		86
11) Freon 123	1.889	83	1572	0.55	ug/L	#	75
12) Acrolein	1.926	56	1574	2.60	ug/L		96
13) 1,1-Diclethene	2.005	96	1084	0.53	ug/L	#	81
14) Freon 113	2.017	101	1032	0.52	ug/L		95
15) Acetone	2.042	43	1073	1.18	ug/L		70
16) 2-Propanol	2.157	45	2208m	10.23	ug/L		
18) Carbon Disulfide	2.170	76	3044	0.54	ug/L		97
19) Acetonitrile	2.255	40	817	4.48	ug/L	#	54
20) Allyl Chloride	2.292	76	608	0.51	ug/L	#	91
21) Methyl Acetate	2.310	43	1118	0.51	ug/L		94
22) Methylene Chloride	2.389	84	1577	0.65	ug/L	#	79
23) TBA	2.505	59	3576	9.47	ug/L		89
24) Acrylonitrile	2.602	53	3531	3.21	ug/L		81
25) Methyl-t-Butyl Ether	2.657	73	3953	0.54	ug/L		96
26) trans-1,2-Dichloroethene	2.645	96	1239	0.53	ug/L	#	70
27) 1,1-Diclethane	3.066	63	2041	0.51	ug/L		91
28) Vinyl Acetate	3.151	86	255m	0.46	ug/L		
29) DIPE	3.182	45	3874	0.61	ug/L		91
30) 2-Chloro-1,3-Butadiene	3.176	53	1476	0.50	ug/L		87
31) ETBE	3.633	59	3395	0.51	ug/L		92
32) 2,2-Dichloropropane	3.785	77	1570m	0.46	ug/L		
33) cis-1,2-Dichloroethene	3.773	96	1315	0.50	ug/L	#	68
34) 2-Butanone	3.840	43	937	0.66	ug/L		97
35) Propionitrile	3.901	54	1347	3.02	ug/L		83
36) Bromochloromethane	4.114	130	927m	0.50	ug/L		
37) Methacrylonitrile	4.120	67	602	0.48	ug/L	#	73
38) Tetrahydrofuran	4.224	42	680	0.80	ug/L		98
39) Chloroform	4.279	83	2152	0.55	ug/L		88
40) 1,1,1-Trichloroethane	4.541	97	1641	0.47	ug/L		85
41) TAME	5.504	73	3226	0.47	ug/L		78

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5210.D
Acq On : 26 Mar 2019 12:53 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 26 13:57:23 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Feb 26 15:29:19 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) Cyclohexane	4.639	41	983m	0.53	ug/L		
45) Carbontetrachloride	4.840	117	1355	0.43	ug/L		89
46) 1,1-Dichloropropene	4.852	75	1484	0.46	ug/L		85
48) Benzene	5.218	78	5199	0.52	ug/L		92
49) 1,2-Dichloroethane	5.254	62	1699	0.50	ug/L		94
50) Iso-Butyl Alcohol	5.248	43	1437	8.72	ug/L	#	62
51) n-Heptane	5.803	43	1282	0.51	ug/L		92
52) 1-Butanol	6.376	56	2373m	20.42	ug/L		
53) Trichloroethene	6.291	130	1287	0.42	ug/L		92
54) Methylcyclohexane	6.571	55	1375	0.51	ug/L	#	83
55) 1,2-Diclpropane	6.602	63	1403m	0.55	ug/L		
56) Dibromomethane	6.754	93	898	0.49	ug/L	#	76
57) 1,4-Dioxane	6.864	88	345m	6.57	ug/L		
58) Methyl Methacrylate	6.894	69	999	0.46	ug/L		87
59) Bromodichloromethane	7.022	83	1417	0.44	ug/L		93
60) 2-Nitropropane	7.333	41	643m	1.00	ug/L		
61) 2-Chloroethylvinyl Ether	7.498	63	192m	0.39	ug/L		
62) cis-1,3-Dichloropropene	7.626	75	1876	0.44	ug/L		90
63) 4-Methyl-2-pentanone	7.858	43	1436	0.52	ug/L		95
65) Toluene	8.022	91	5735	0.53	ug/L		91
66) trans-1,3-Dichloropropene	8.327	75	1625	0.41	ug/L		89
67) Ethyl Methacrylate	8.504	69	1666m	0.44	ug/L		
68) 1,1,2-Trichloroethane	8.522	97	1452	0.54	ug/L		86
71) Tetrachloroethene	8.668	164	1448	0.60	ug/L		88
72) 2-Hexanone	8.870	43	1046m	0.51	ug/L		
73) 1,3-Dichloropropane	8.705	76	2228	0.51	ug/L		87
74) Dibromochloromethane	8.961	129	1246m	0.47	ug/L		
75) N-Butyl Acetate	9.052	43	1702	0.44	ug/L		88
76) 1,2-Dibromoethane	9.059	107	1238	0.44	ug/L	#	73
77) 3-Chlorobenzotrifluoride	9.650	180	1725	0.40	ug/L		92
78) Chlorobenzene	9.601	112	3707	0.50	ug/L		83
79) 4-Chlorobenzotrifluoride	9.711	180	1519	0.39	ug/L		82
80) 1,1,1,2-Tetrachloroethane	9.705	131	1012	0.38	ug/L	#	72
81) Ethylbenzene	9.741	106	1860	0.47	ug/L		96
82) (m+p)Xylene	9.869	106	4306	0.90	ug/L		95
83) o-Xylene	10.241	106	2030	0.43	ug/L		89
84) Styrene	10.260	104	3351	0.42	ug/L		100
85) Bromoform	10.406	173	796	0.41	ug/L		75
86) 2-Chlorobenzotrifluoride	10.516	180	1775	0.41	ug/L		80
87) Isopropylbenzene	10.601	105	5073	0.43	ug/L		89
88) Cyclohexanone	10.656	55	4905	9.03	ug/L		97
89) trans-1,4-Dichloro-2-B...	10.930	53	357	0.44	ug/L		88
91) 1,1,2,2-Tetrachloroethane	10.875	83	1937	0.57	ug/L		99
92) Bromobenzene	10.851	156	1624	0.49	ug/L	#	68
93) 1,2,3-Trichloropropane	10.900	110	711	0.60	ug/L	#	77
94) n-Propylbenzene	10.979	91	5855	0.49	ug/L		93
95) 2-Chlorotoluene	11.034	91	3902	0.53	ug/L		97
96) 3-Chlorotoluene	11.089	91	3919	0.54	ug/L		85
97) 4-Chlorotoluene	11.131	91	4397	0.53	ug/L		93
98) 1,3,5-Trimethylbenzene	11.137	105	4065	0.46	ug/L		96
99) tert-Butylbenzene	11.418	119	3601	0.45	ug/L		95
100) 1,2,4-Trimethylbenzene	11.461	105	3868	0.44	ug/L		98
101) 3,4-Dichlorobenzotrifl...	11.528	214	1342	0.42	ug/L	#	82
102) sec-Butylbenzene	11.607	105	4954	0.44	ug/L		94
103) p-Isopropyltoluene	11.735	119	4198	0.44	ug/L		84
104) 1,3-Dclbenz	11.674	146	2937	0.51	ug/L		95

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5210.D
Acq On : 26 Mar 2019 12:53 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 26 13:57:23 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Feb 26 15:29:19 2019
Response via : Initial Calibration

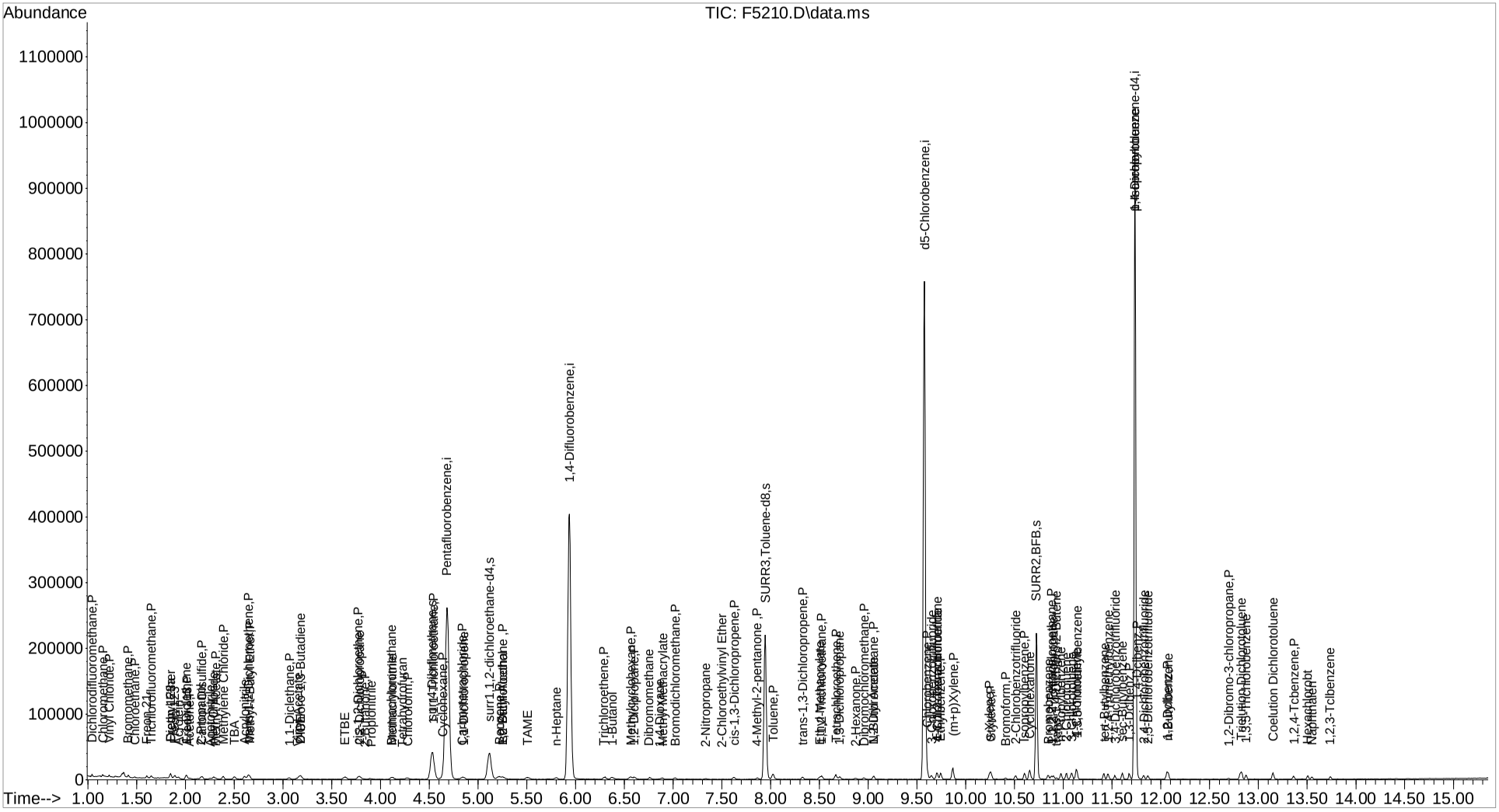
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
105) 1,4-Dclbenz	11.753	146	3326	0.55	ug/L		93
106) 2,4-Dichlorobenzotrifl...	11.826	214	1215	0.42	ug/L		91
107) 2,5-Dichlorobenzotrifl...	11.869	214	1420	0.44	ug/L		96
108) n-Butylbenzene	12.076	91	3613	0.47	ug/L		90
109) 1,2-Dclbenz	12.064	146	2806	0.47	ug/L		82
110) 1,2-Dibromo-3-chloropr...	12.698	157	352	0.38	ug/L		88
111) Trielution Dichlorotol...	12.826	125	5286	1.23	ug/L		95
112) 1,3,5-Trichlorobenzene	12.875	180	1654	0.40	ug/L		87
113) Coelution Dichlorotoluene	13.149	125	3279	0.70	ug/L		92
114) 1,2,4-Tcbenzene	13.363	180	1255	0.33	ug/L		90
115) Hexachlorobt	13.503	225	895	0.47	ug/L	#	77
116) Naphthalen	13.552	128	2258	0.22	ug/L		96
117) 1,2,3-Tclbenzene	13.734	180	1016	0.27	ug/L		87

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5210.D
Acq On : 26 Mar 2019 12:53 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 26 13:57:23 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Feb 26 15:29:19 2019
Response via : Initial Calibration

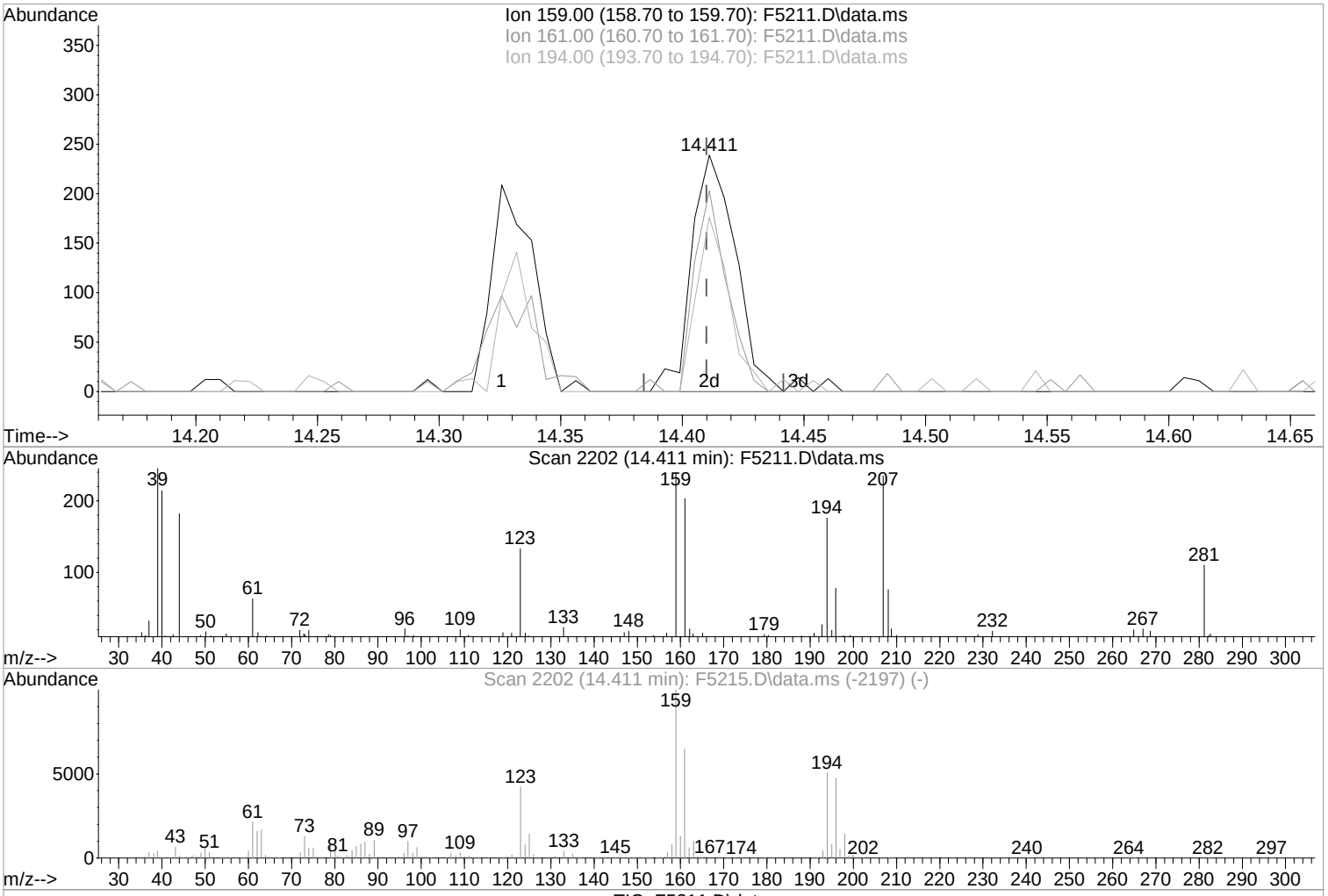


1st 04/01/19
2nd 04/01/19

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5211.D
Acq On : 26 Mar 2019 1:15 pm
Operator : F.NAEGLER
Sample : 1.0 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 26 14:02:09 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 13:58:31 2019
Response via : Initial Calibration



TIC: F5211.D\data.ms

(119) 2,3,6-Trichlorotoluene

14.411min (+0.001) 0.29 ug/L m

response 300

Ion	Exp%	Act%
159.00	100	100
161.00	60.50	84.94#
194.00	47.00	73.64#
0.00	0.00	0.00

Manual Integration:

After

Wrong peak selected.

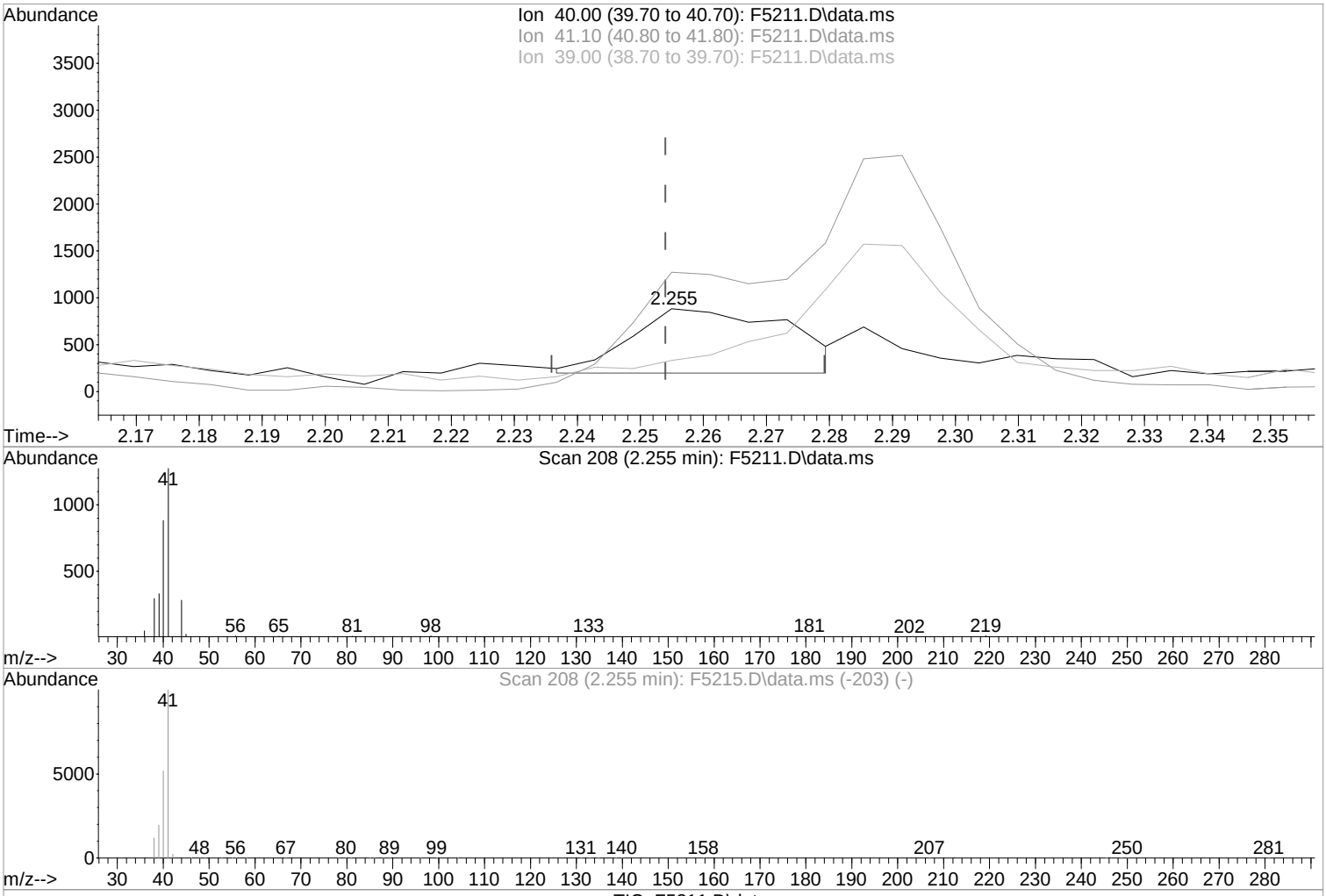
04/01/19

1st FW 04/01/19
2nd 04/01/19

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5211.D
Acq On : 26 Mar 2019 1:15 pm
Operator : F.NAEGLER
Sample : 1.0 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 26 14:02:09 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 13:58:31 2019
Response via : Initial Calibration



TIC: F5211.D\data.ms

(19) Acetonitrile

2.255min (+0.001) 6.30 ug/L m

response 1190

Ion	Exp%	Act%
40.00	100	100
41.10	175.00	144.22#
39.00	38.30	37.64
0.00	0.00	0.00

Manual Integration:

After

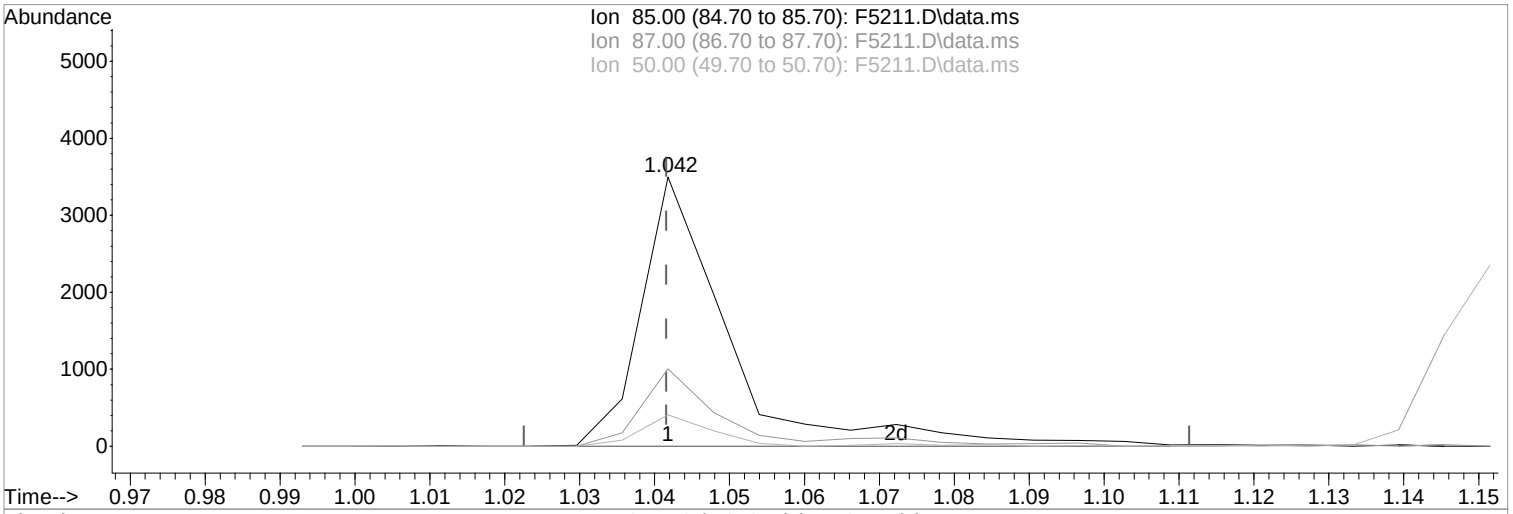
Poor integration.

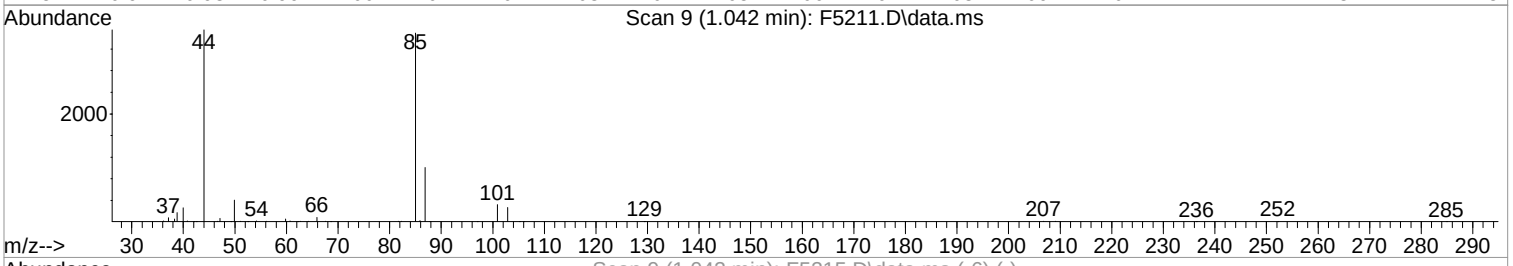
04/01/19

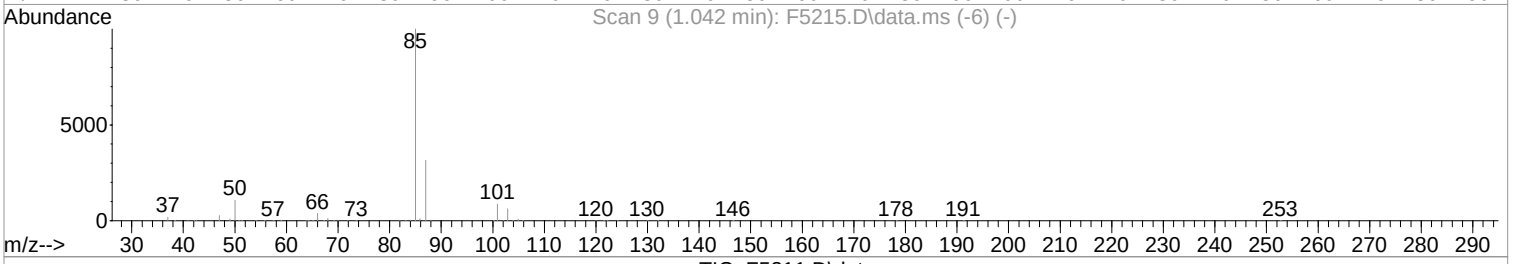
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5211.D
Acq On : 26 Mar 2019 1:15 pm
Operator : F.NAEGLER
Sample : 1.0 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 26 14:02:09 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 13:58:31 2019
Response via : Initial Calibration







TIC: F5211.D\data.ms

(2) Dichlorodifluoromethane (P)

1.042min (+0.000) 0.85 ug/L m

response 2853

Ion	Exp%	Act%
85.00	100	100
87.00	33.30	28.82
50.00	14.00	11.71
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

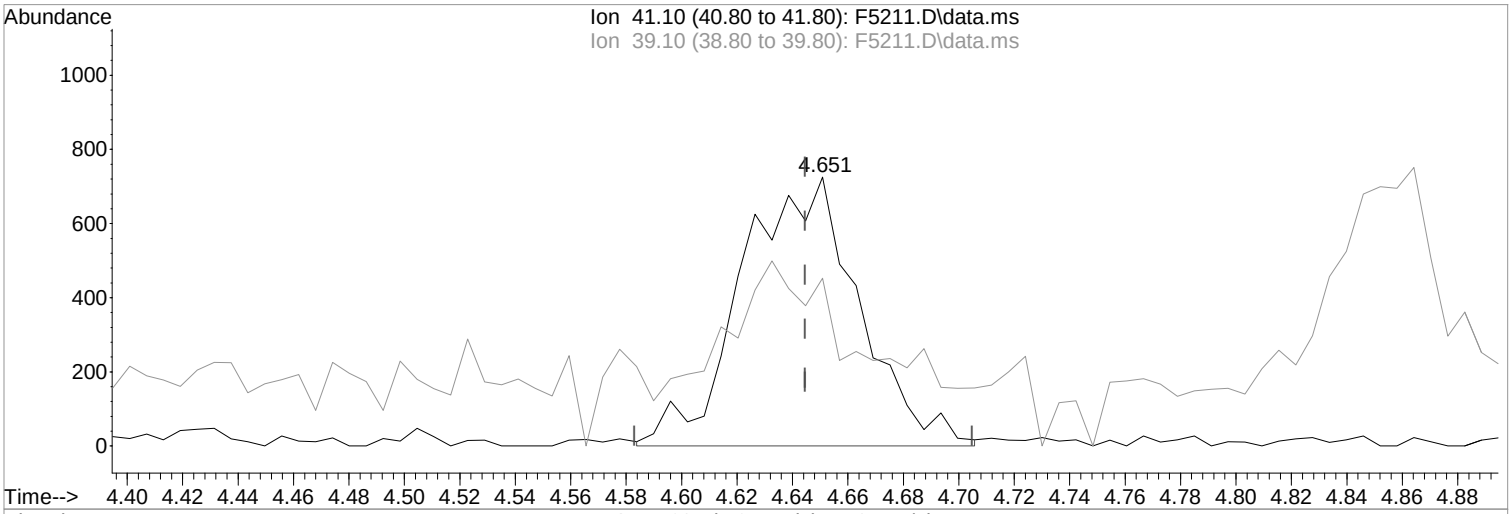
04/01/19

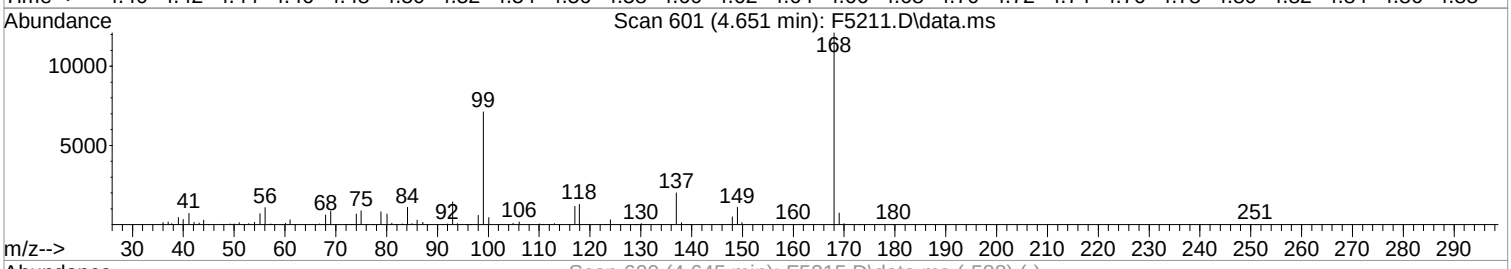
1st FW 04/01/19
2nd 04/01/19

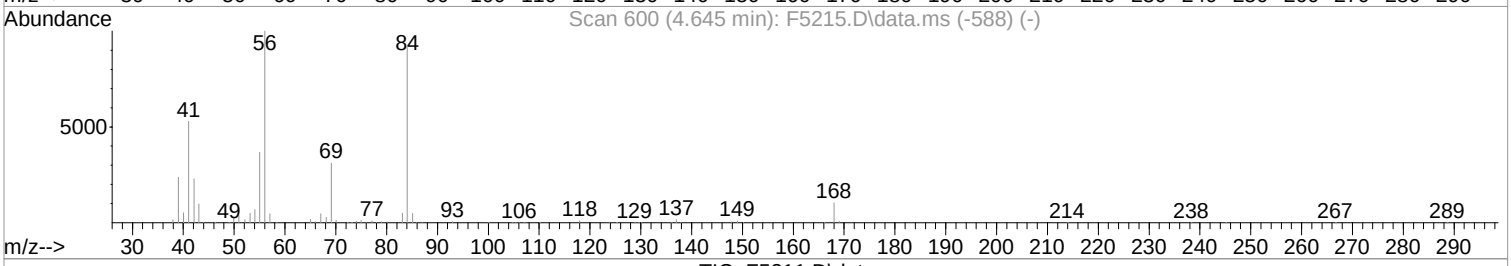
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5211.D
Acq On : 26 Mar 2019 1:15 pm
Operator : F.NAEGLER
Sample : 1.0 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 26 14:02:09 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 13:58:31 2019
Response via : Initial Calibration







TIC: F5211.D\data.ms

(43) Cyclohexane (P)

4.651min (+0.006) 1.23 ug/L m

response 2141

Ion	Exp%	Act%
41.10	100	100
39.10	54.90	62.48
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

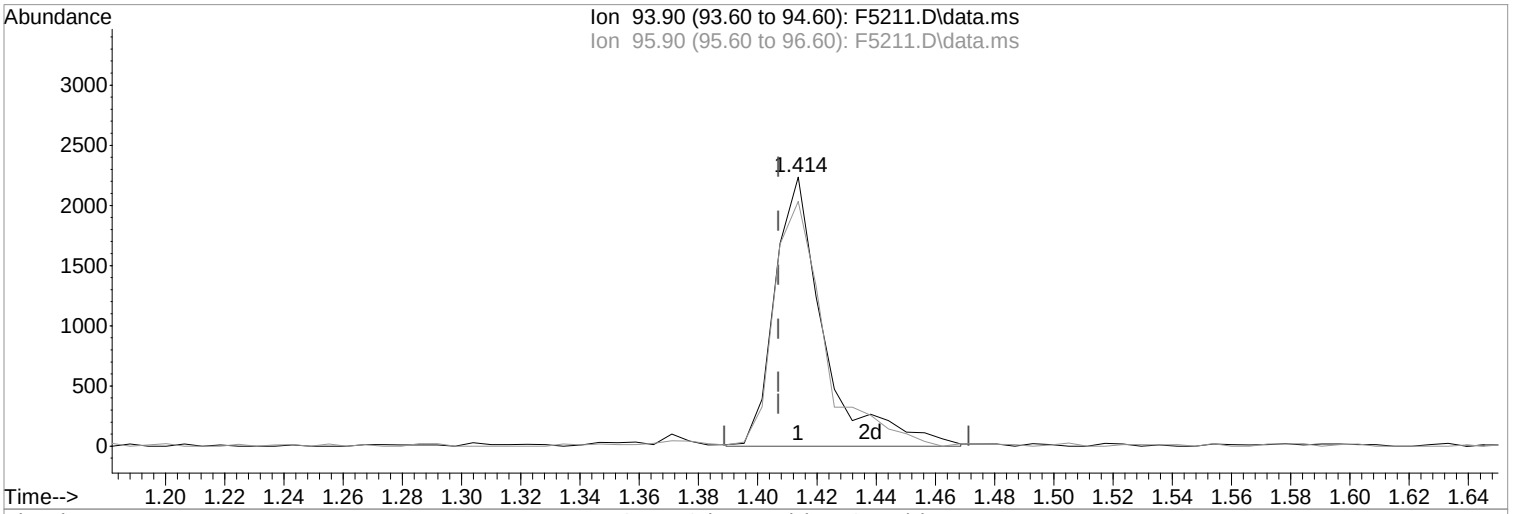
04/01/19

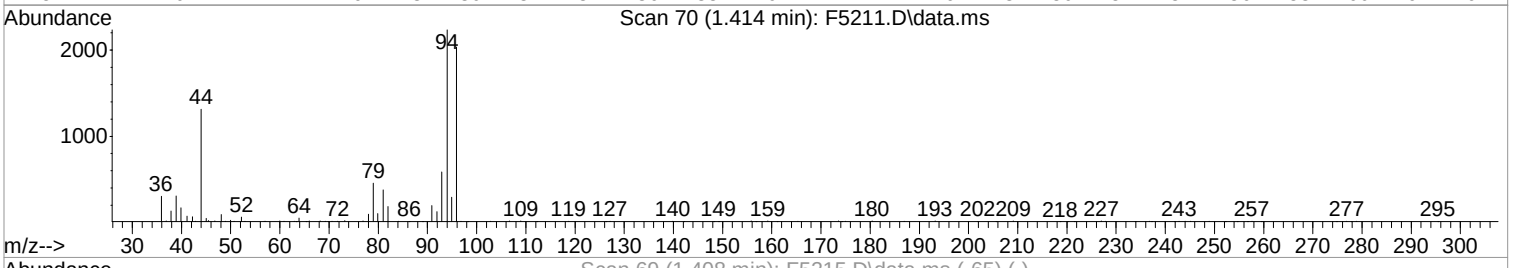
1st FW 04/01/19
2nd 04/01/19

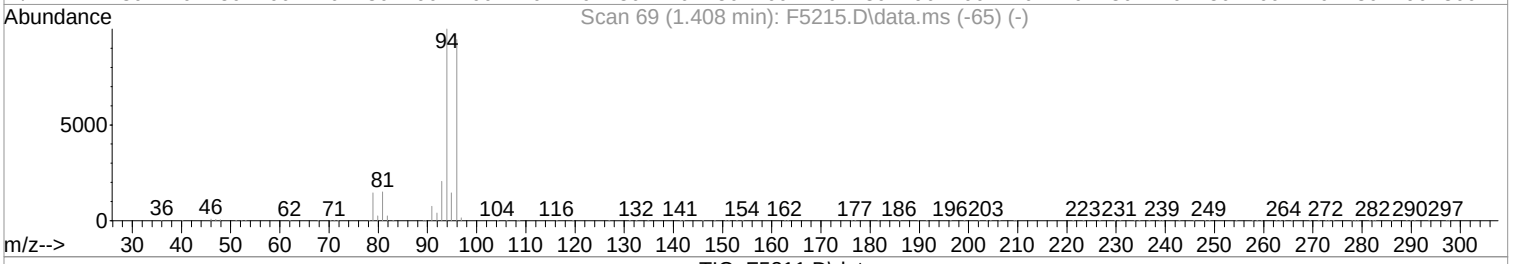
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5211.D
Acq On : 26 Mar 2019 1:15 pm
Operator : F.NAEGLER
Sample : 1.0 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 26 14:02:09 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 13:58:31 2019
Response via : Initial Calibration







TIC: F5211.D\data.ms

(5) Bromomethane (P)

1.414min (+0.007) 1.97 ug/L m

response 2575

Ion	Exp%	Act%
93.90	100	100
95.90	95.90	90.96
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

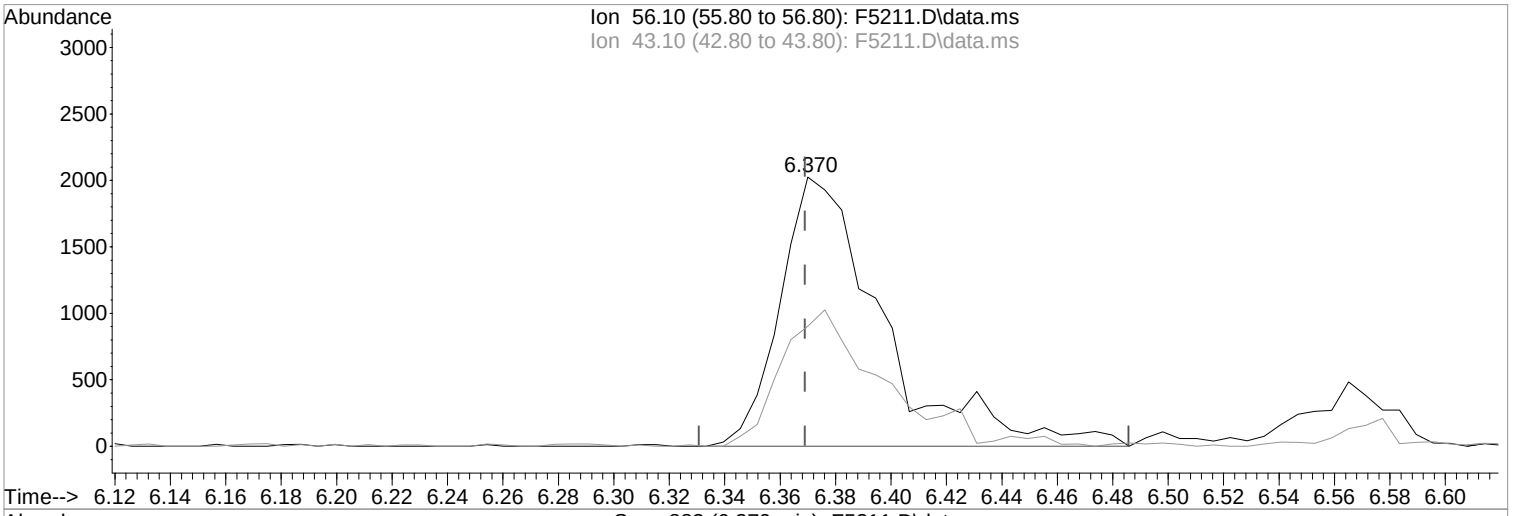
04/01/19

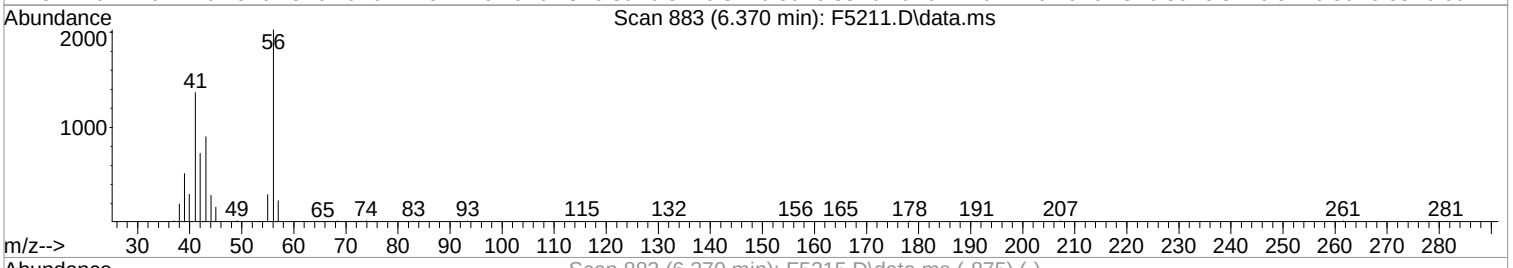
1st FW 04/01/19
2nd 04/01/19

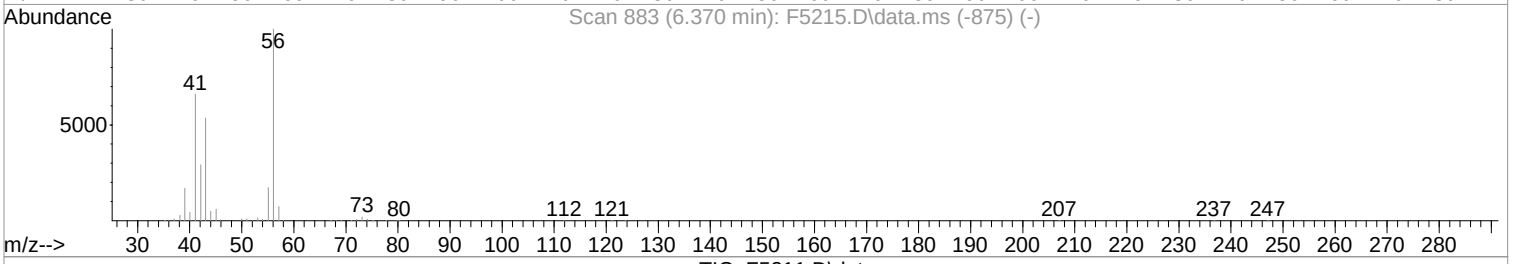
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5211.D
Acq On : 26 Mar 2019 1:15 pm
Operator : F.NAEGLER
Sample : 1.0 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 26 14:02:09 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 13:58:31 2019
Response via : Initial Calibration







TIC: F5211.D\data.ms

(52) 1-Butanol

6.370min (+0.001) 48.87 ug/L m

response 5234

Ion	Exp%	Act%
56.10	100	100
43.10	54.40	44.57
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

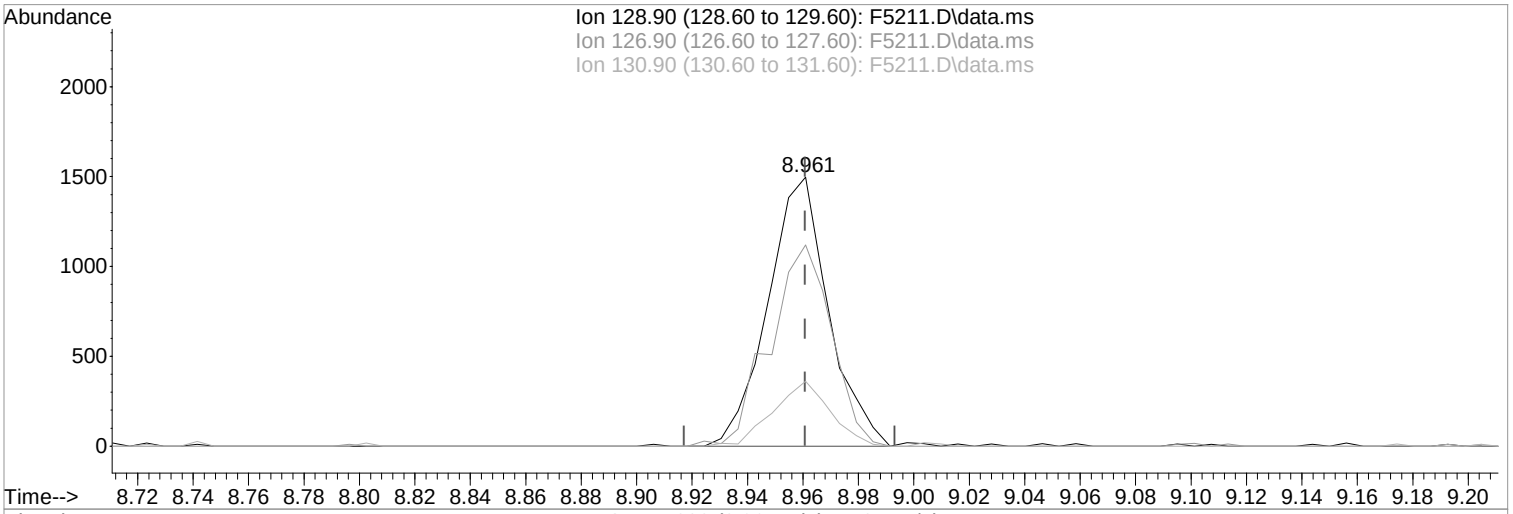
Poor integration.

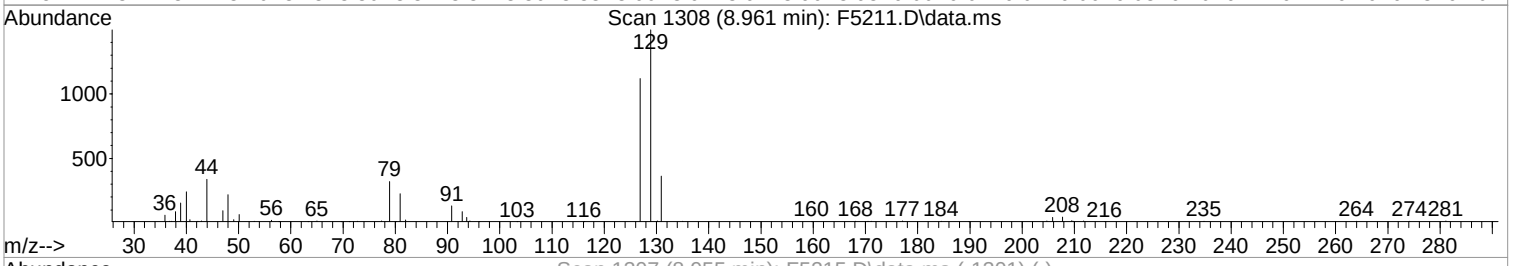
04/01/19

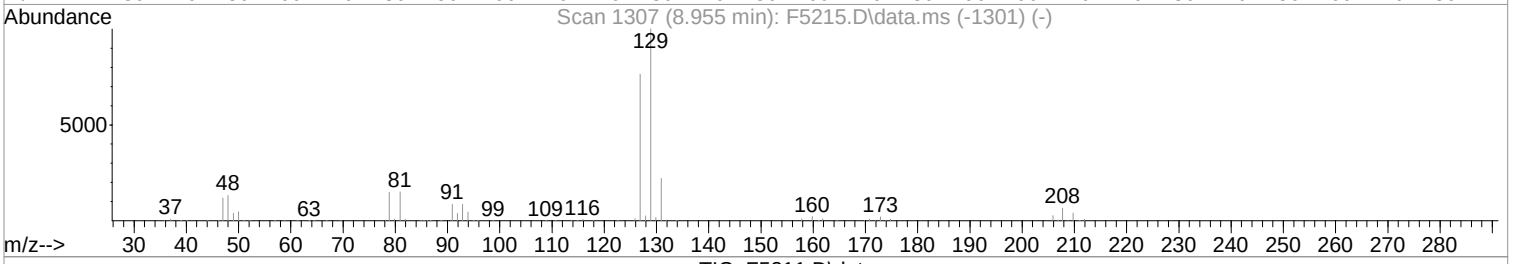
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5211.D
Acq On : 26 Mar 2019 1:15 pm
Operator : F.NAEGLER
Sample : 1.0 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 26 14:02:09 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 13:58:31 2019
Response via : Initial Calibration







TIC: F5211.D\data.ms

(74) Dibromochloromethane (P)

8.961min (+0.000) 0.90 ug/L m

response 2276

Ion	Exp%	Act%
128.90	100	100
126.90	80.20	74.75
130.90	22.00	24.18
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

04/01/19

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5211.D
Acq On : 26 Mar 2019 1:15 pm
Operator : F.NAEGLER
Sample : 1.0 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 26 14:02:09 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 13:58:31 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	4.687	168	258806	50.00	ug/L		0.00
42) 1,4-Difluorobenzene	5.937	114	388207	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.577	117	337215	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.735	152	179653	50.00	ug/L		0.00
System Monitoring Compounds							
44) surr4,Dibrflmethane	4.535	113	29896	12.55	ug/L		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 25.10%#				
47) surr1,1,2-dichloroetha...	5.120	65	36396	13.76	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 27.52%#				
64) SURR3,Toluene-d8	7.943	98	122732	13.36	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 26.72%#				
69) SURR2,BFB	10.723	95	47717	13.87	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 27.74%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.042	85	2853m	0.85	ug/L		
3) Chloromethane	1.152	50	3420	1.47	ug/L		96
4) Vinyl Chloride	1.219	62	2758	1.46	ug/L		83
5) Bromomethane	1.414	94	2575m	1.97	ug/L		
6) Chloroethane	1.481	64	2021	2.15	ug/L		76
7) Freon 21	1.603	67	4369	1.85	ug/L		99
8) Trichlorofluoromethane	1.651	101	3449	1.45	ug/L		90
9) Diethyl Ether	1.847	59	2549	1.42	ug/L		92
10) Freon 123a	1.847	67	2734	1.29	ug/L		92
11) Freon 123	1.889	83	3025	1.12	ug/L		94
12) Acrolein	1.932	56	3428	5.92	ug/L		91
13) 1,1-Diclethene	2.011	96	2068	1.05	ug/L		91
14) Freon 113	2.017	101	1966	1.05	ug/L		92
15) Acetone	2.048	43	2016	1.96	ug/L		94
16) 2-Propanol	2.164	45	4756	22.84	ug/L		97
17) Iodomethane	2.121	142	1158	0.40	ug/L		91
18) Carbon Disulfide	2.176	76	5588	1.02	ug/L		98
19) Acetonitrile	2.255	40	1190m	6.30	ug/L		
20) Allyl Chloride	2.285	76	1332	1.18	ug/L	#	83
21) Methyl Acetate	2.316	43	2538	1.21	ug/L		96
22) Methylene Chloride	2.389	84	2845	1.21	ug/L		98
23) TBA	2.505	59	8306	23.01	ug/L		96
24) Acrylonitrile	2.609	53	7061	6.53	ug/L		89
25) Methyl-t-Butyl Ether	2.657	73	8091	1.15	ug/L		98
26) trans-1,2-Dichloroethene	2.645	96	2516	1.13	ug/L		97
27) 1,1-Diclethane	3.072	63	4328	1.15	ug/L		92
28) Vinyl Acetate	3.151	86	502	0.97	ug/L	#	58
29) DIPE	3.188	45	7306	1.19	ug/L		94
30) 2-Chloro-1,3-Butadiene	3.176	53	2795	0.99	ug/L		97
31) ETBE	3.633	59	7152	1.13	ug/L		93
32) 2,2-Dichloropropane	3.773	77	3409	1.07	ug/L		87
33) cis-1,2-Dichloroethene	3.791	96	2887	1.16	ug/L	#	72
34) 2-Butanone	3.840	43	2065	1.49	ug/L		95
35) Propionitrile	3.895	54	2779	6.32	ug/L		98
36) Bromochloromethane	4.120	130	1905	1.07	ug/L	#	75
37) Methacrylonitrile	4.127	67	1423	1.20	ug/L	#	74
38) Tetrahydrofuran	4.230	42	1319	1.52	ug/L	#	59
39) Chloroform	4.267	83	4305	1.14	ug/L		88
40) 1,1,1-Trichloroethane	4.547	97	3256	0.98	ug/L		97

1st FW 04/01/19
2nd WR 04/01/19

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5211.D
Acq On : 26 Mar 2019 1:15 pm
Operator : F.NAEGLER
Sample : 1.0 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 26 14:02:09 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 13:58:31 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) TAME	5.517	73	6942	1.08	ug/L		91
43) Cyclohexane	4.651	41	2141m	1.23	ug/L		
45) Carbontetrachloride	4.840	117	2726	0.92	ug/L	#	74
46) 1,1-Dichloropropene	4.852	75	3150	1.05	ug/L		83
48) Benzene	5.218	78	9864	1.05	ug/L		96
49) 1,2-Dichloroethane	5.260	62	3513	1.08	ug/L		96
50) Iso-Butyl Alcohol	5.260	43	3476	22.75	ug/L		99
51) n-Heptane	5.803	43	2459	1.05	ug/L		90
52) 1-Butanol	6.370	56	5234m	48.87	ug/L		
53) Trichloroethene	6.297	130	2777	0.98	ug/L	#	85
54) Methylcyclohexane	6.571	55	2803	1.11	ug/L	#	77
55) 1,2-Diclpropane	6.614	63	2795	1.15	ug/L		95
56) Dibromomethane	6.766	93	1784	1.03	ug/L	#	78
57) 1,4-Dioxane	6.852	88	1113	23.28	ug/L		97
58) Methyl Methacrylate	6.888	69	2256	1.08	ug/L		98
59) Bromodichloromethane	7.022	83	2921	0.97	ug/L		95
60) 2-Nitropropane	7.333	41	1395	2.31	ug/L	#	80
61) 2-Chloroethylvinyl Ether	7.492	63	359	0.79	ug/L	#	61
62) cis-1,3-Dichloropropene	7.626	75	3801	0.95	ug/L		97
63) 4-Methyl-2-pentanone	7.864	43	2970	1.11	ug/L		79
65) Toluene	8.022	91	10416	1.00	ug/L		96
66) trans-1,3-Dichloropropene	8.321	75	3214	0.87	ug/L		94
67) Ethyl Methacrylate	8.504	69	3403	0.94	ug/L		87
68) 1,1,2-Trichloroethane	8.528	97	2551	0.99	ug/L		88
71) Tetrachloroethene	8.674	164	2389	1.03	ug/L	#	65
72) 2-Hexanone	8.870	43	2184	1.14	ug/L		90
73) 1,3-Dichloropropane	8.711	76	4437	1.08	ug/L		92
74) Dibromochloromethane	8.961	129	2276m	0.90	ug/L		
75) N-Butyl Acetate	9.052	43	3606	0.99	ug/L		88
76) 1,2-Dibromoethane	9.059	107	2788	1.06	ug/L		98
77) 3-Chlorobenzotrifluoride	9.650	180	3479	0.86	ug/L		95
78) Chlorobenzene	9.607	112	7013	1.00	ug/L		91
79) 4-Chlorobenzotrifluoride	9.711	180	3306	0.92	ug/L		97
80) 1,1,1,2-Tetrachloroethane	9.705	131	1997	0.81	ug/L		84
81) Ethylbenzene	9.747	106	3254	0.88	ug/L		92
82) (m+p)Xylene	9.869	106	8823	1.96	ug/L		97
83) o-Xylene	10.247	106	4323	0.98	ug/L	#	77
84) Styrene	10.259	104	6664	0.90	ug/L		99
85) Bromoform	10.406	173	1303	0.73	ug/L		92
86) 2-Chlorobenzotrifluoride	10.509	180	3572	0.89	ug/L		98
87) Isopropylbenzene	10.607	105	10246	0.92	ug/L		90
88) Cyclohexanone	10.656	55	11090	21.40	ug/L		85
89) trans-1,4-Dichloro-2-B...	10.930	53	869	1.12	ug/L		79
91) 1,1,2,2-Tetrachloroethane	10.875	83	3745	1.14	ug/L		87
92) Bromobenzene	10.845	156	3152	1.02	ug/L		97
93) 1,2,3-Trichloropropane	10.900	110	1206	1.03	ug/L		97
94) n-Propylbenzene	10.973	91	11989	1.05	ug/L		98
95) 2-Chlorotoluene	11.034	91	7614	1.08	ug/L		91
96) 3-Chlorotoluene	11.089	91	7382	1.05	ug/L		97
97) 4-Chlorotoluene	11.131	91	9090	1.14	ug/L		98
98) 1,3,5-Trimethylbenzene	11.137	105	8310	0.99	ug/L		97
99) tert-Butylbenzene	11.418	119	7479	0.99	ug/L		98
100) 1,2,4-Trimethylbenzene	11.460	105	8205	0.98	ug/L		97
101) 3,4-Dichlorobenzotrifl...	11.528	214	2687	0.90	ug/L		97
102) sec-Butylbenzene	11.607	105	10257	0.97	ug/L		98
103) p-Isopropyltoluene	11.735	119	8555	0.94	ug/L		95

Quantitation Report (QT Reviewed)

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Data File : F5211.D
Acq On : 26 Mar 2019 1:15 pm
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Misc :
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Quant Time: Mar 26 14:02:09 2019
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Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 13:58:31 2019
Response via : Initial Calibration

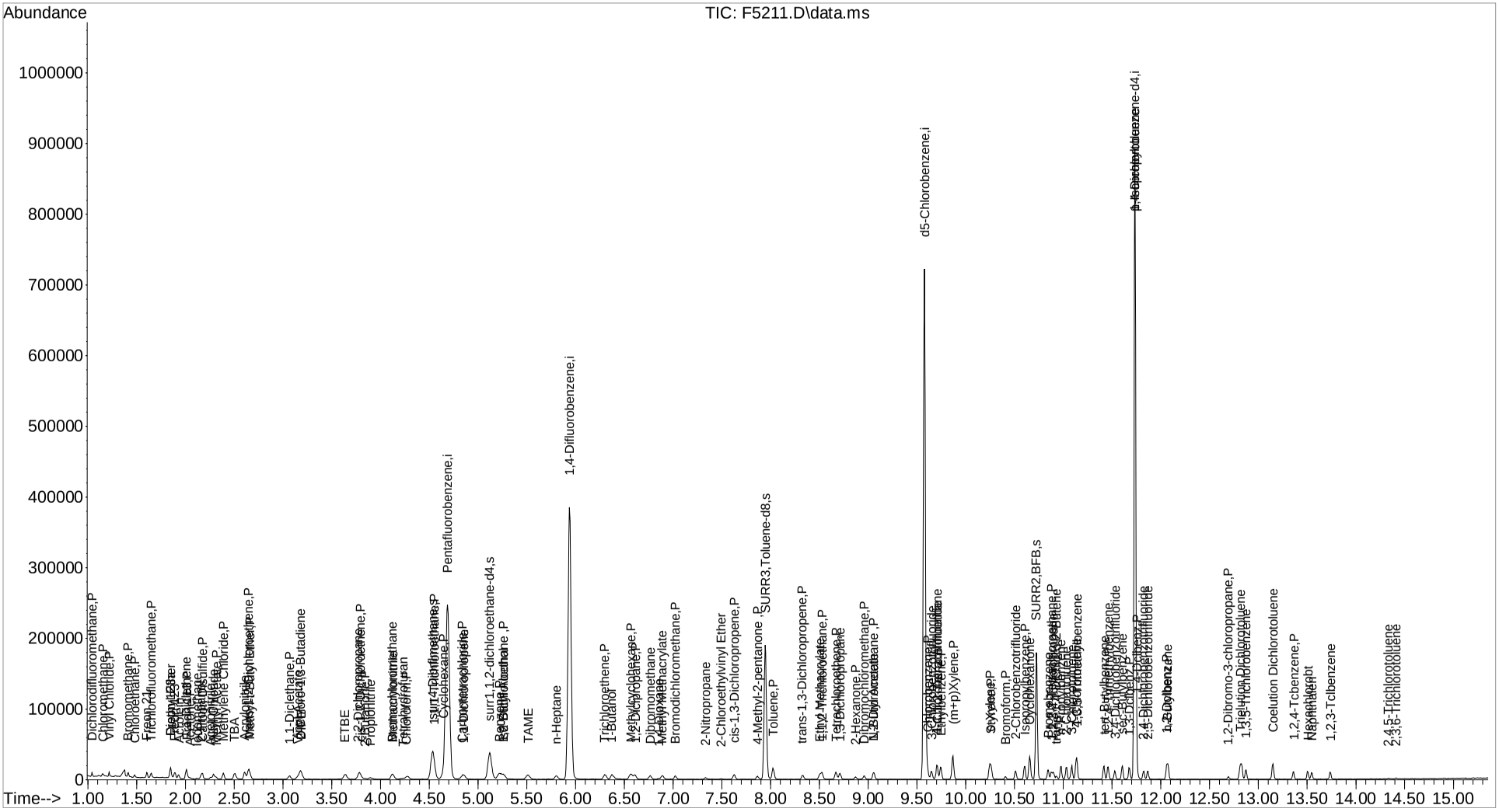
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3-Dclbenz	11.674	146	5670	1.01	ug/L	96
105) 1,4-Dclbenz	11.753	146	6159	1.05	ug/L	94
106) 2,4-Dichlorobenzotrifl...	11.820	214	2328	0.85	ug/L	94
107) 2,5-Dichlorobenzotrifl...	11.869	214	2629	0.86	ug/L	97
108) n-Butylbenzene	12.070	91	7285	0.99	ug/L	96
109) 1,2-Dclbenz	12.058	146	5746	1.03	ug/L	95
110) 1,2-Dibromo-3-chloropr...	12.692	157	668	0.77	ug/L	90
111) Trielution Dichlorotol...	12.820	125	11132	2.74	ug/L	89
112) 1,3,5-Trichlorobenzene	12.875	180	3236	0.84	ug/L	89
113) Coelution Dichlorotoluene	13.149	125	7322	1.69	ug/L	92
114) 1,2,4-Tcbenzene	13.363	180	2753	0.78	ug/L	94
115) Hexachlorobt	13.509	225	1801	1.02	ug/L	92
116) Naphthalen	13.545	128	5958	0.64	ug/L	93
117) 1,2,3-Tclbenzene	13.741	180	2442	0.72	ug/L	84
118) 2,4,5-Trichlorotoluene	14.326	159	249	0.27	ug/L	88
119) 2,3,6-Trichlorotoluene	14.411	159	300m	0.29	ug/L	

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5211.D
Acq On : 26 Mar 2019 1:15 pm
Operator : F.NAEGLER
Sample : 1.0 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 26 14:02:09 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 13:58:31 2019
Response via : Initial Calibration



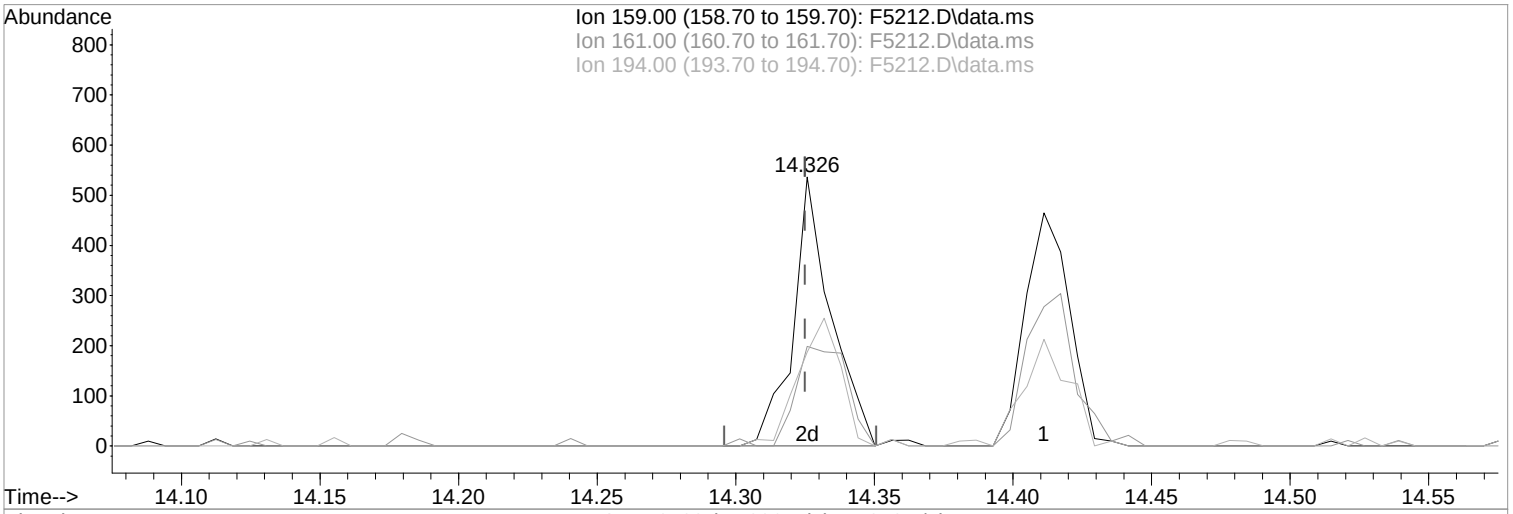
1st FJ 04/01/19
2nd 04/01/19

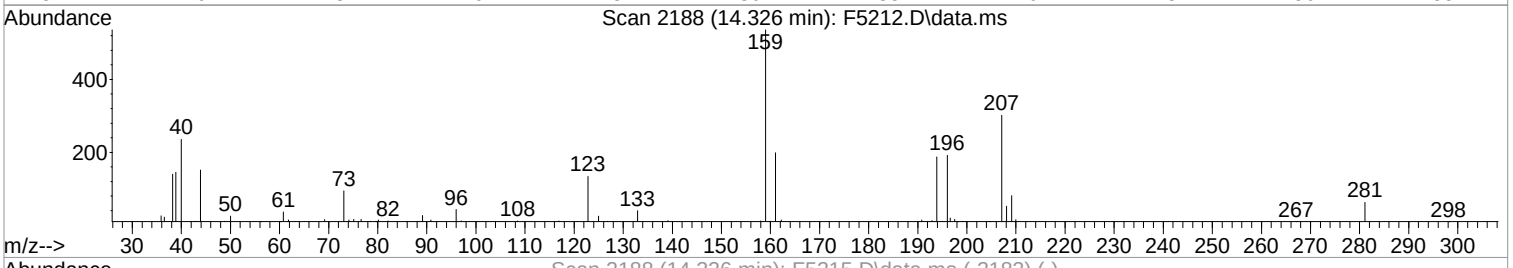
1st FW 04/01/19
2nd 04/01/19

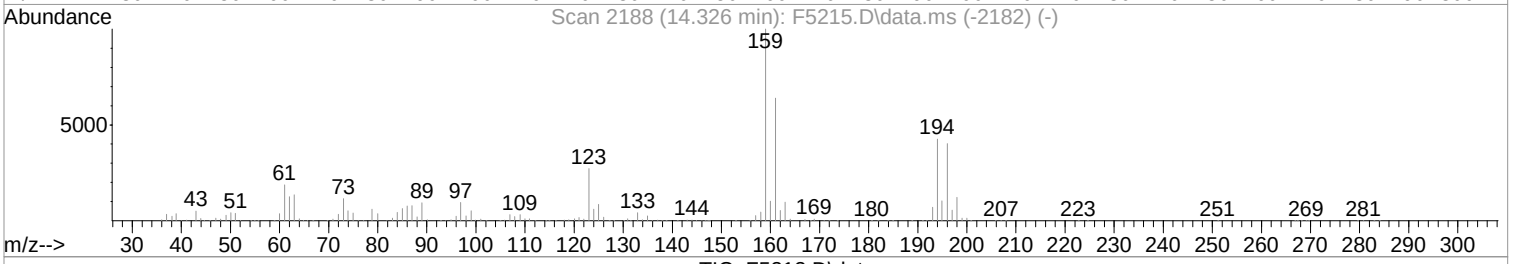
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5212.D
Acq On : 26 Mar 2019 1:37 pm
Operator : F.NAEGLER
Sample : 2.0 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 26 14:05:06 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 14:02:20 2019
Response via : Initial Calibration







TIC: F5212.D\data.ms

(118) 2,4,5-Trichlorotoluene

14.326min (+0.001) 0.56 ug/L m

response 510

Ion	Exp%	Act%
159.00	100	100
161.00	61.80	37.13#
194.00	47.40	34.89
0.00	0.00	0.00

Manual Integration:

After

Wrong peak selected.

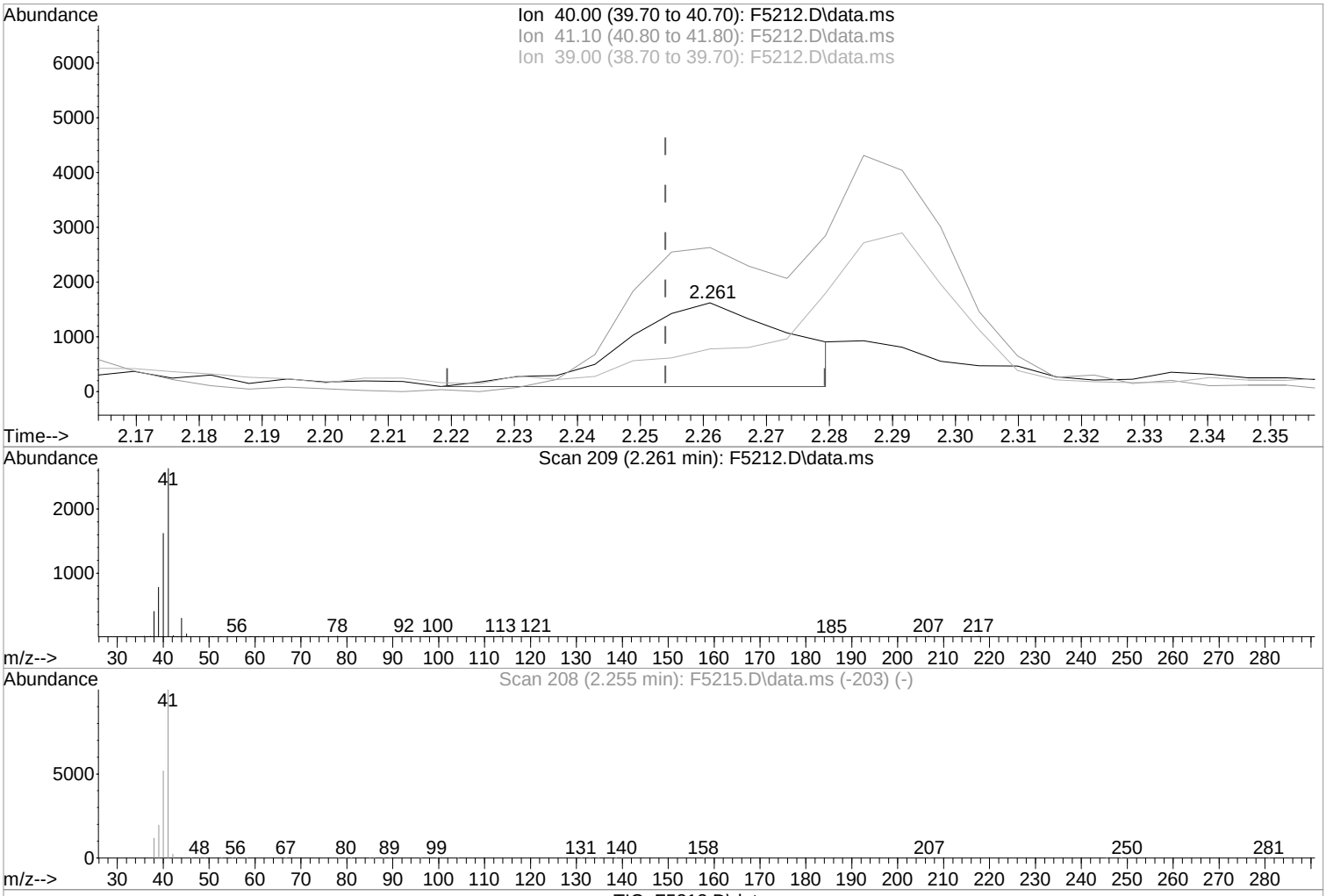
04/01/19

1st FW 04/01/19
2nd 04/01/19

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5212.D
Acq On : 26 Mar 2019 1:37 pm
Operator : F.NAEGLER
Sample : 2.0 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 26 14:05:06 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 14:02:20 2019
Response via : Initial Calibration



TIC: F5212.D\data.ms

(19) Acetonitrile

2.261min (+0.007) 14.65 ug/L m

response 2812

Ion	Exp%	Act%
40.00	100	100
41.10	175.00	162.31
39.00	38.30	48.24
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

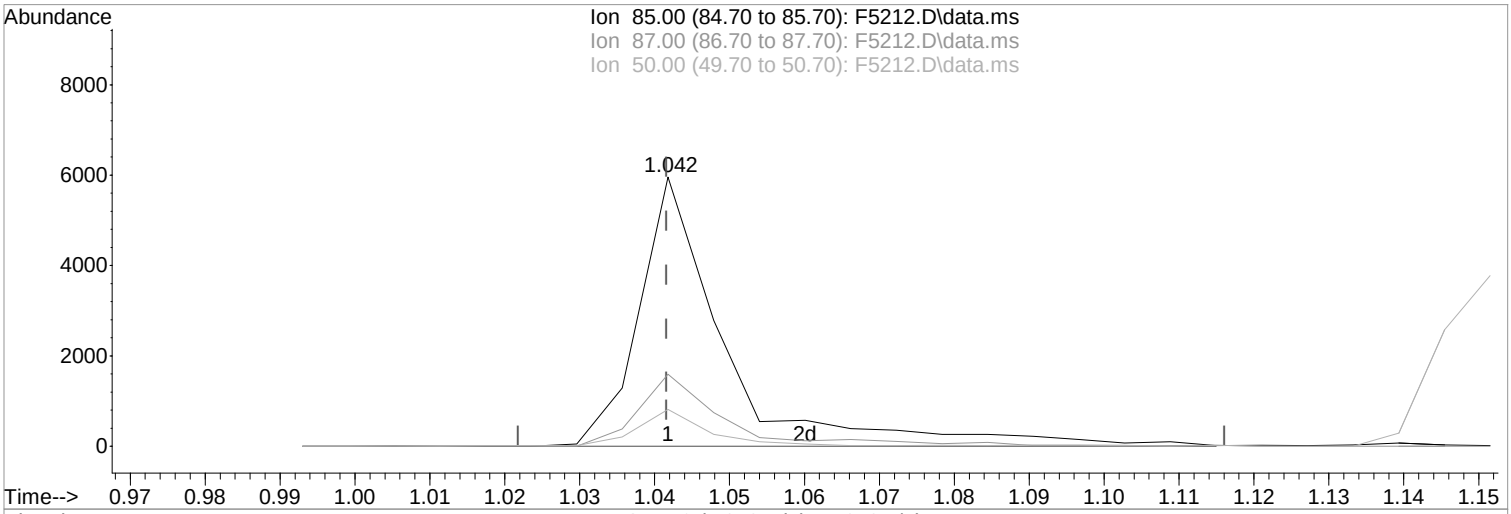
04/01/19

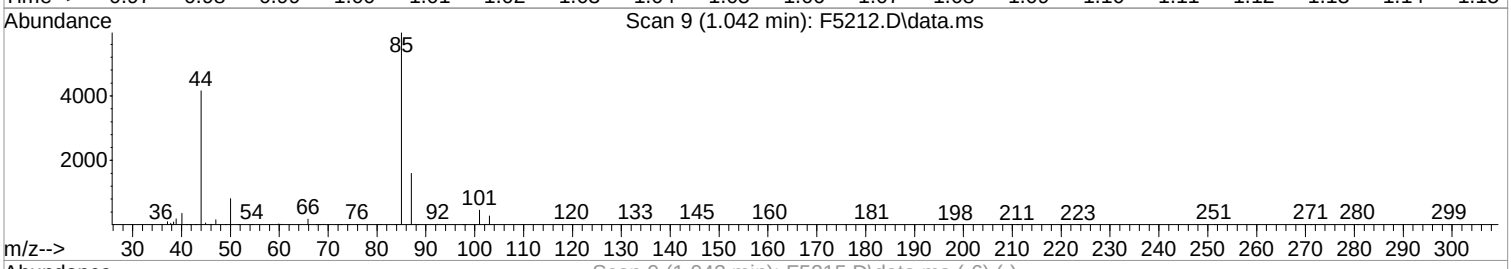
1st FW 04/01/19
2nd 04/01/19

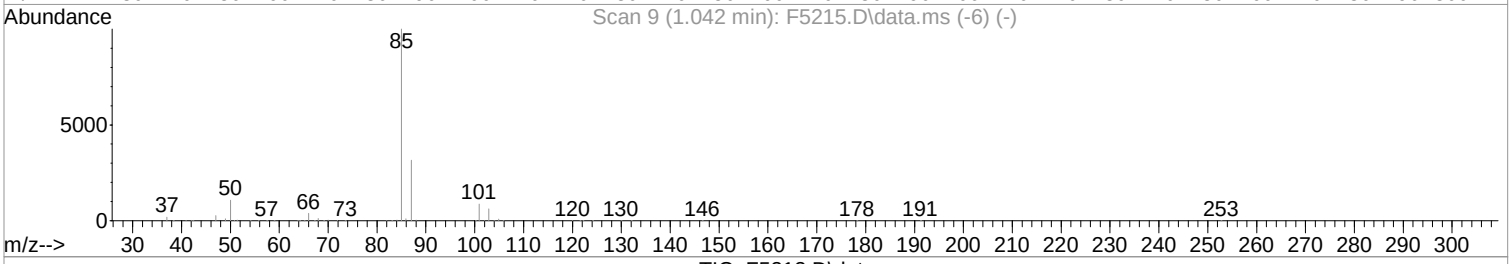
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5212.D
Acq On : 26 Mar 2019 1:37 pm
Operator : F.NAEGLER
Sample : 2.0 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 26 14:05:06 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 14:02:20 2019
Response via : Initial Calibration







TIC: F5212.D\data.ms

(2) Dichlorodifluoromethane (P)

1.042min (+0.000) 1.45 ug/L m

response 4758

Ion	Exp%	Act%
85.00	100	100
87.00	33.30	26.81
50.00	14.00	13.72
0.00	0.00	0.00

Manual Integration:

After

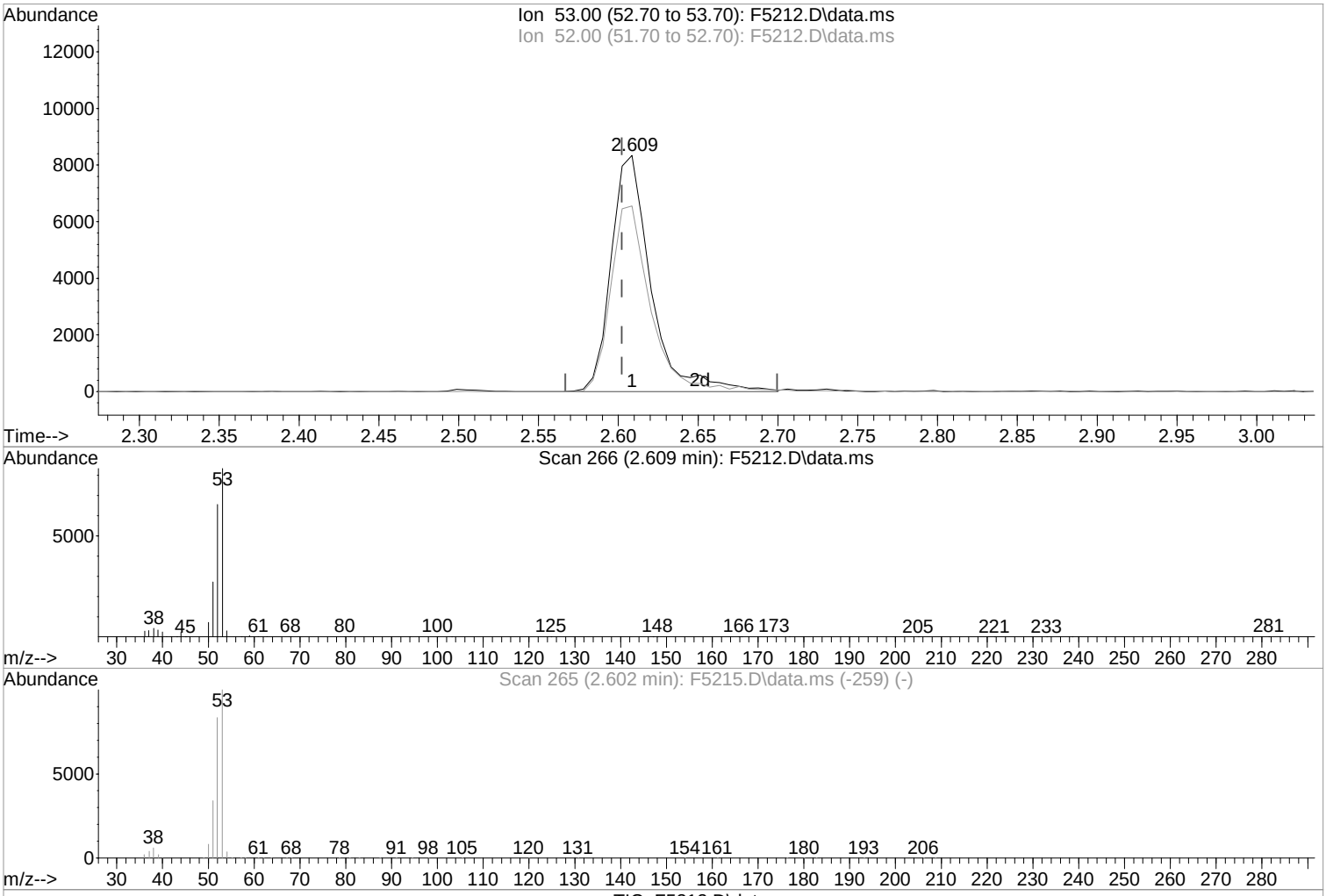
Poor integration.

04/01/19

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5212.D
Acq On : 26 Mar 2019 1:37 pm
Operator : F.NAEGLER
Sample : 2.0 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 26 14:05:06 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 14:02:20 2019
Response via : Initial Calibration



TIC: F5212.D\data.ms

(24) Acrylonitrile

2.609min (+0.006) 12.85 ug/L m

response 14455

Ion	Exp%	Act%
53.00	100	100
52.00	84.90	78.69
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

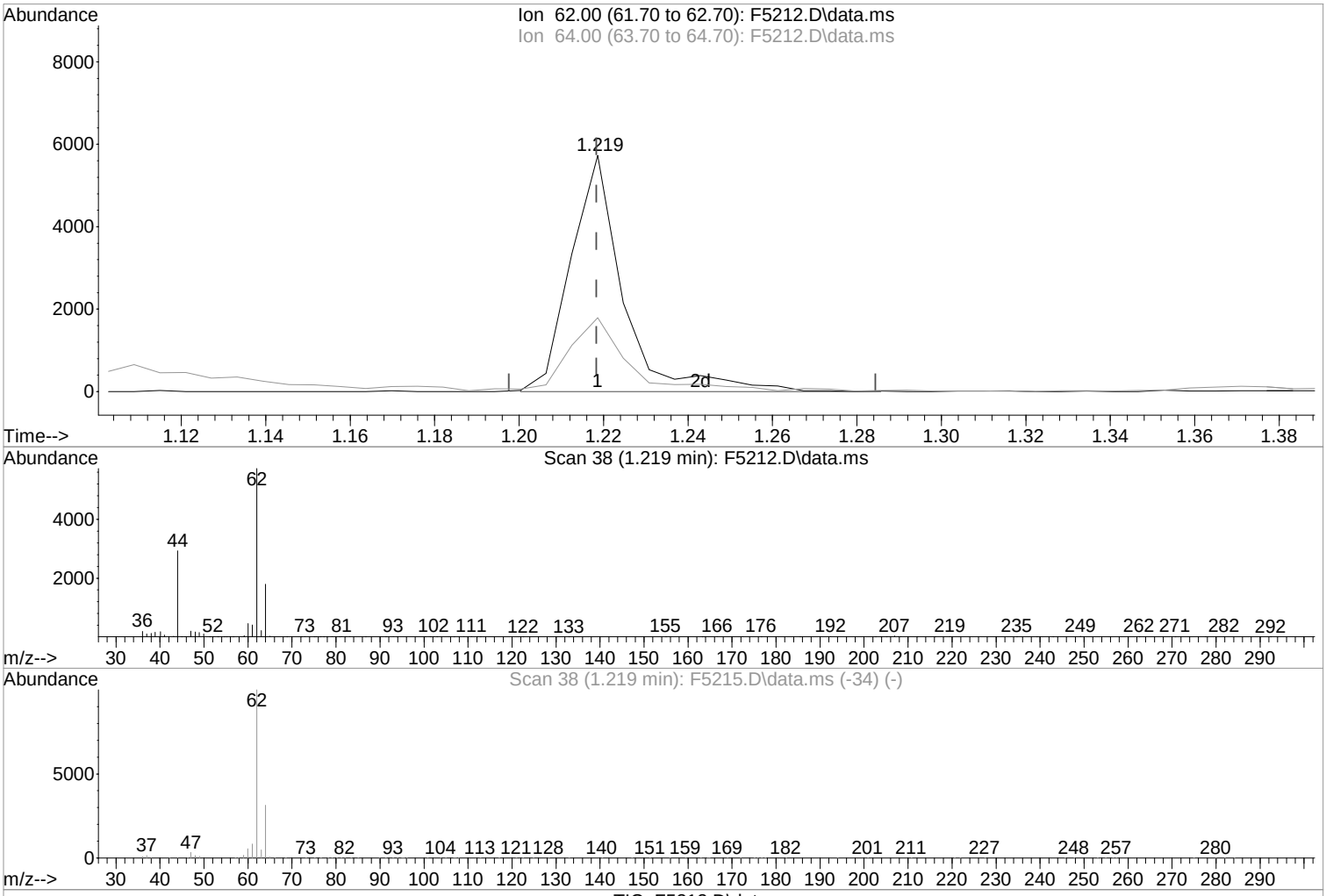
Poor integration.

04/01/19

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5212.D
Acq On : 26 Mar 2019 1:37 pm
Operator : F.NAEGLER
Sample : 2.0 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 26 14:05:06 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 14:02:20 2019
Response via : Initial Calibration



TIC: F5212.D\data.ms

(4) Vinyl Chloride (P)

1.219min (+0.000) 2.48 ug/L m

response 4939

Ion	Exp%	Act%
62.00	100	100
64.00	32.40	31.28
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

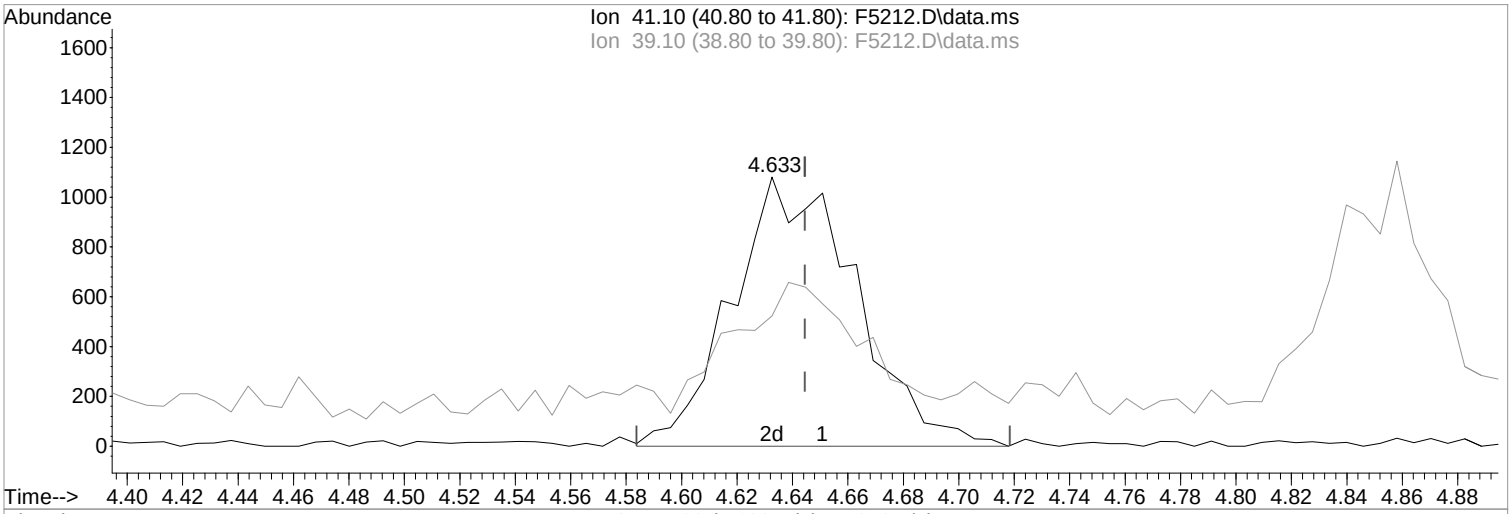
04/01/19

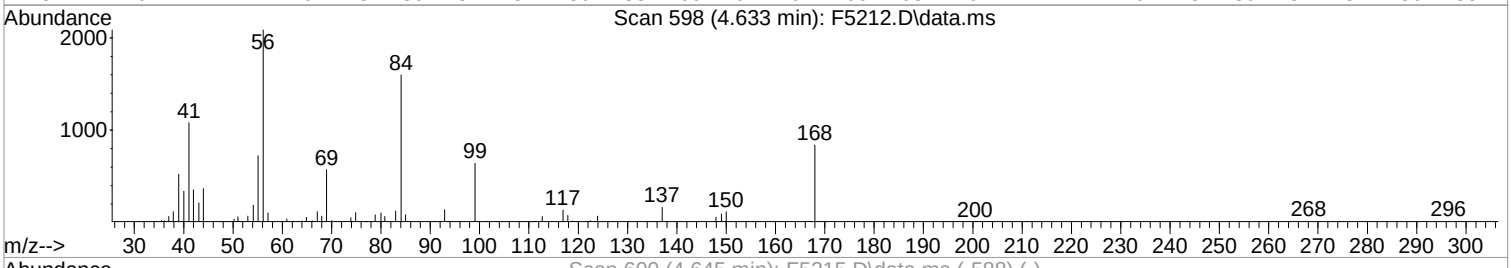
1st FW 04/01/19
2nd 04/01/19

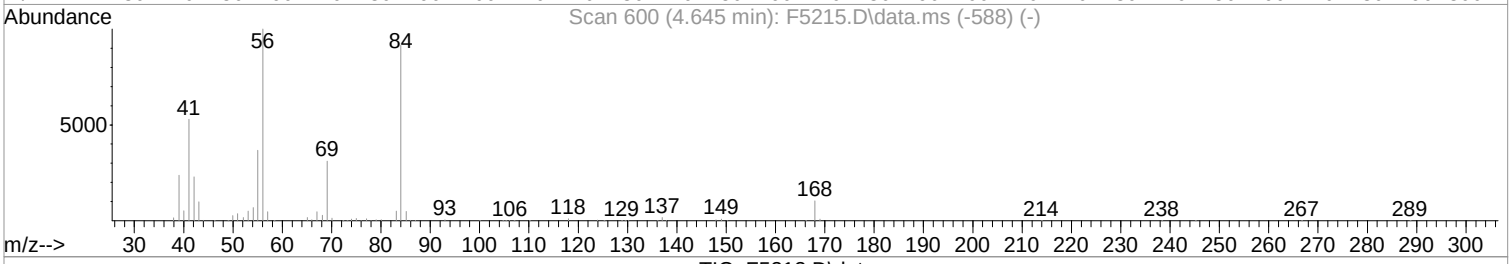
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5212.D
Acq On : 26 Mar 2019 1:37 pm
Operator : F.NAEGLER
Sample : 2.0 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 26 14:05:06 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 14:02:20 2019
Response via : Initial Calibration







TIC: F5212.D\data.ms

(43) Cyclohexane (P)

4.633min (-0.012) 1.90 ug/L m

response 3340

Ion	Exp%	Act%
41.10	100	100
39.10	54.90	48.43
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

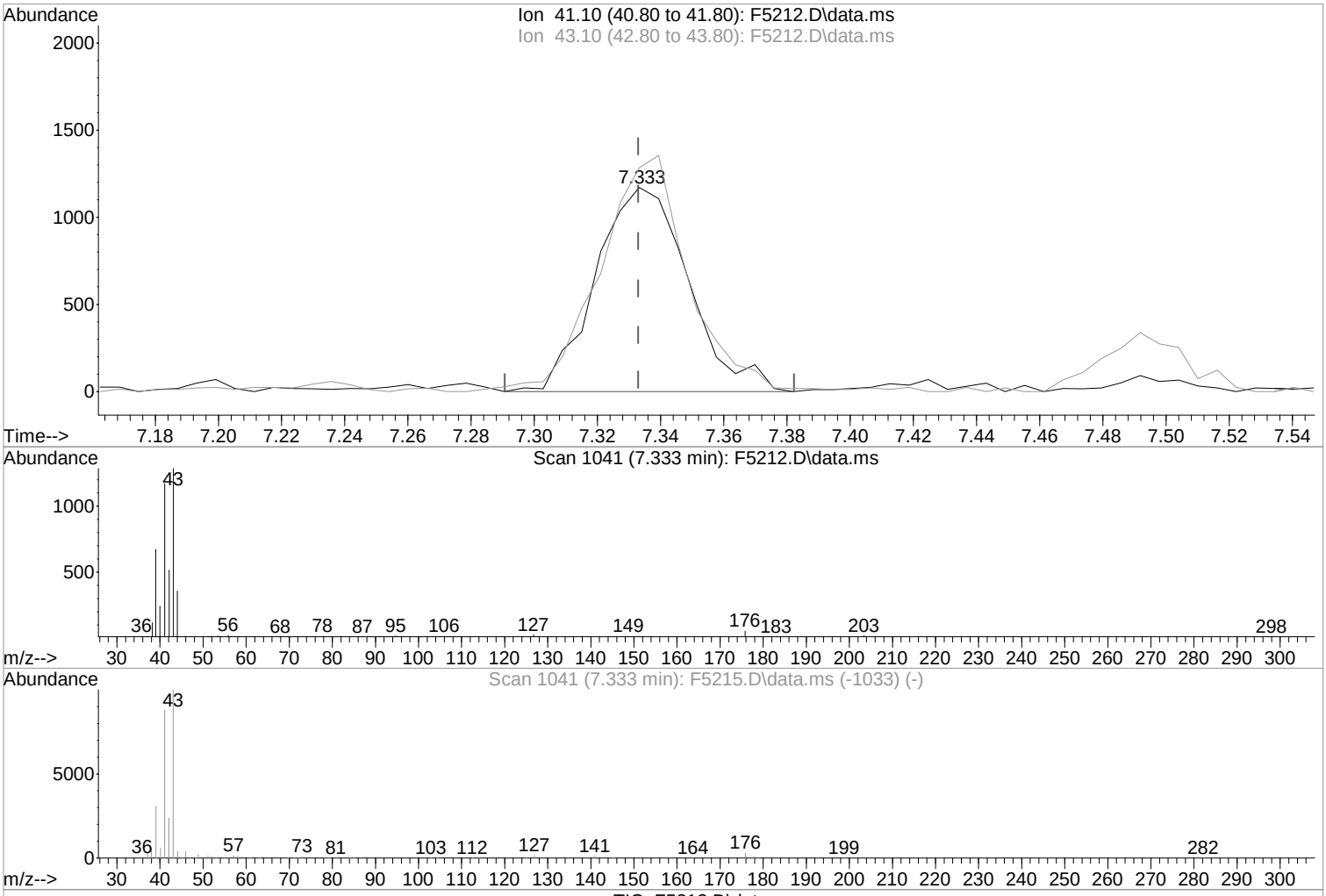
04/01/19

1st FW 04/01/19
2nd 04/01/19

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5212.D
Acq On : 26 Mar 2019 1:37 pm
Operator : F.NAEGLER
Sample : 2.0 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 26 14:05:06 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 14:02:20 2019
Response via : Initial Calibration



TIC: F5212.D\data.ms

(60) 2-Nitropropane

7.333min (+0.000) 3.86 ug/L m

response 2386

Ion	Exp%	Act%
41.10	100	100
43.10	111.10	109.74
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

04/01/19

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5212.D
Acq On : 26 Mar 2019 1:37 pm
Operator : F.NAEGLER
Sample : 2.0 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 26 14:05:06 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 14:02:20 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	4.687	168	255666	50.00	ug/L		0.00
42) 1,4-Difluorobenzene	5.937	114	384660	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.577	117	335679	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.735	152	179422	50.00	ug/L		0.00
System Monitoring Compounds							
44) surr4,Dibrflmethane	4.535	113	29715	12.59	ug/L		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 25.18%#				
47) surr1,1,2-dichloroetha...	5.120	65	34899	13.31	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 26.62%#				
64) SURR3,Toluene-d8	7.943	98	123351	13.55	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 27.10%#				
69) SURR2,BFB	10.723	95	47535	13.94	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 27.88%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.042	85	4758m	1.45	ug/L		
3) Chloromethane	1.152	50	6071	2.47	ug/L		92
4) Vinyl Chloride	1.219	62	4939m	2.48	ug/L		
5) Bromomethane	1.408	94	4419	3.15	ug/L		97
6) Chloroethane	1.481	64	3099	2.92	ug/L		96
7) Freon 21	1.603	67	7689	3.02	ug/L		97
8) Trichlorofluoromethane	1.651	101	5760	2.35	ug/L		88
9) Diethyl Ether	1.847	59	4715	2.52	ug/L		93
10) Freon 123a	1.847	67	4716	2.19	ug/L		93
11) Freon 123	1.889	83	5218	1.94	ug/L		91
12) Acrolein	1.932	56	6844	11.65	ug/L		96
13) 1,1-Diclethene	2.011	96	3689	1.88	ug/L		94
14) Freon 113	2.011	101	3087	1.66	ug/L		91
15) Acetone	2.048	43	3073	2.70	ug/L		93
16) 2-Propanol	2.164	45	10144	48.32	ug/L		97
17) Iodomethane	2.121	142	2461	0.92	ug/L		86
18) Carbon Disulfide	2.176	76	9299	1.71	ug/L		99
19) Acetonitrile	2.261	40	2812m	14.65	ug/L		
20) Allyl Chloride	2.285	76	2068	1.81	ug/L	#	81
21) Methyl Acetate	2.316	43	5260	2.50	ug/L		97
22) Methylene Chloride	2.389	84	5301	2.25	ug/L		97
23) TBA	2.505	59	16904	46.38	ug/L		92
24) Acrylonitrile	2.609	53	14455m	12.85	ug/L		
25) Methyl-t-Butyl Ether	2.657	73	15839	2.23	ug/L		93
26) trans-1,2-Dichloroethene	2.645	96	4227	1.92	ug/L		89
27) 1,1-Diclethane	3.066	63	7895	2.10	ug/L		92
28) Vinyl Acetate	3.151	86	992	1.92	ug/L	#	88
29) DIPE	3.182	45	14276	2.30	ug/L		93
30) 2-Chloro-1,3-Butadiene	3.176	53	4796	1.73	ug/L		97
31) ETBE	3.633	59	13902	2.17	ug/L		98
32) 2,2-Dichloropropane	3.779	77	5249	1.66	ug/L		97
33) cis-1,2-Dichloroethene	3.785	96	5142	2.06	ug/L		93
34) 2-Butanone	3.834	43	3837	2.66	ug/L		91
35) Propionitrile	3.895	54	5741	12.71	ug/L		96
36) Bromochloromethane	4.120	130	3781	2.14	ug/L		91
37) Methacrylonitrile	4.127	67	2921	2.42	ug/L		93
38) Tetrahydrofuran	4.212	42	2464	2.67	ug/L		87
39) Chloroform	4.279	83	8361	2.20	ug/L		90
40) 1,1,1-Trichloroethane	4.547	97	5575	1.71	ug/L		92

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5212.D
Acq On : 26 Mar 2019 1:37 pm
Operator : F.NAEGLER
Sample : 2.0 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 26 14:05:06 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 14:02:20 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) TAME	5.517	73	13417	2.08	ug/L		94
43) Cyclohexane	4.633	41	3340m	1.90	ug/L		
45) Carbontetrachloride	4.840	117	4391	1.51	ug/L		86
46) 1,1-Dichloropropene	4.852	75	4939	1.67	ug/L		91
48) Benzene	5.218	78	18094	1.93	ug/L		93
49) 1,2-Dichloroethane	5.260	62	7171	2.20	ug/L		95
50) Iso-Butyl Alcohol	5.260	43	6711	43.14	ug/L		84
51) n-Heptane	5.797	43	4050	1.73	ug/L		93
52) 1-Butanol	6.370	56	10625	97.92	ug/L		92
53) Trichloroethene	6.309	130	4758	1.71	ug/L		89
54) Methylcyclohexane	6.565	55	4411	1.76	ug/L		95
55) 1,2-Diclpropane	6.608	63	4643	1.90	ug/L		87
56) Dibromomethane	6.766	93	3587	2.11	ug/L		89
57) 1,4-Dioxane	6.858	88	2077	42.83	ug/L		98
58) Methyl Methacrylate	6.888	69	4259	2.02	ug/L		89
59) Bromodichloromethane	7.028	83	6195	2.06	ug/L		96
60) 2-Nitropropane	7.333	41	2386m	3.86	ug/L		
61) 2-Chloroethylvinyl Ether	7.498	63	826	1.75	ug/L		73
62) cis-1,3-Dichloropropene	7.620	75	7557	1.92	ug/L		93
63) 4-Methyl-2-pentanone	7.864	43	6124	2.26	ug/L		98
65) Toluene	8.028	91	19358	1.88	ug/L		98
66) trans-1,3-Dichloropropene	8.327	75	6391	1.77	ug/L		96
67) Ethyl Methacrylate	8.504	69	6845	1.90	ug/L		98
68) 1,1,2-Trichloroethane	8.522	97	5210	2.05	ug/L		94
71) Tetrachloroethene	8.668	164	3831	1.66	ug/L		92
72) 2-Hexanone	8.870	43	4448	2.25	ug/L		92
73) 1,3-Dichloropropane	8.711	76	9023	2.17	ug/L		99
74) Dibromochloromethane	8.961	129	4523	1.80	ug/L		87
75) N-Butyl Acetate	9.052	43	8120	2.22	ug/L		93
76) 1,2-Dibromoethane	9.059	107	5300	2.00	ug/L		97
77) 3-Chlorobenzotrifluoride	9.650	180	6240	1.58	ug/L		93
78) Chlorobenzene	9.607	112	13650	1.96	ug/L		99
79) 4-Chlorobenzotrifluoride	9.711	180	5646	1.60	ug/L		92
80) 1,1,1,2-Tetrachloroethane	9.705	131	4091	1.72	ug/L		96
81) Ethylbenzene	9.741	106	6448	1.79	ug/L		97
82) (m+p)Xylene	9.869	106	15463	3.46	ug/L		94
83) o-Xylene	10.247	106	7890	1.80	ug/L		90
84) Styrene	10.259	104	13752	1.88	ug/L		91
85) Bromoform	10.406	173	2651	1.50	ug/L		91
86) 2-Chlorobenzotrifluoride	10.509	180	6186	1.59	ug/L		93
87) Isopropylbenzene	10.601	105	18613	1.70	ug/L		95
88) Cyclohexanone	10.656	55	22604	43.21	ug/L		91
89) trans-1,4-Dichloro-2-B...	10.930	53	1575	2.02	ug/L		93
91) 1,1,2,2-Tetrachloroethane	10.881	83	7515	2.27	ug/L		96
92) Bromobenzene	10.845	156	6064	1.96	ug/L		96
93) 1,2,3-Trichloropropane	10.900	110	2713	2.31	ug/L	#	84
94) n-Propylbenzene	10.979	91	21240	1.85	ug/L		97
95) 2-Chlorotoluene	11.034	91	13905	1.97	ug/L		98
96) 3-Chlorotoluene	11.089	91	14542	2.06	ug/L		94
97) 4-Chlorotoluene	11.131	91	16257	2.01	ug/L		99
98) 1,3,5-Trimethylbenzene	11.137	105	15517	1.85	ug/L		95
99) tert-Butylbenzene	11.418	119	12899	1.71	ug/L		94
100) 1,2,4-Trimethylbenzene	11.454	105	16048	1.93	ug/L		97
101) 3,4-Dichlorobenzotrifl...	11.528	214	4800	1.64	ug/L		82
102) sec-Butylbenzene	11.607	105	18155	1.73	ug/L		94
103) p-Isopropyltoluene	11.735	119	16339	1.81	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5212.D
Acq On : 26 Mar 2019 1:37 pm
Operator : F.NAEGLER
Sample : 2.0 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 26 14:05:06 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 14:02:20 2019
Response via : Initial Calibration

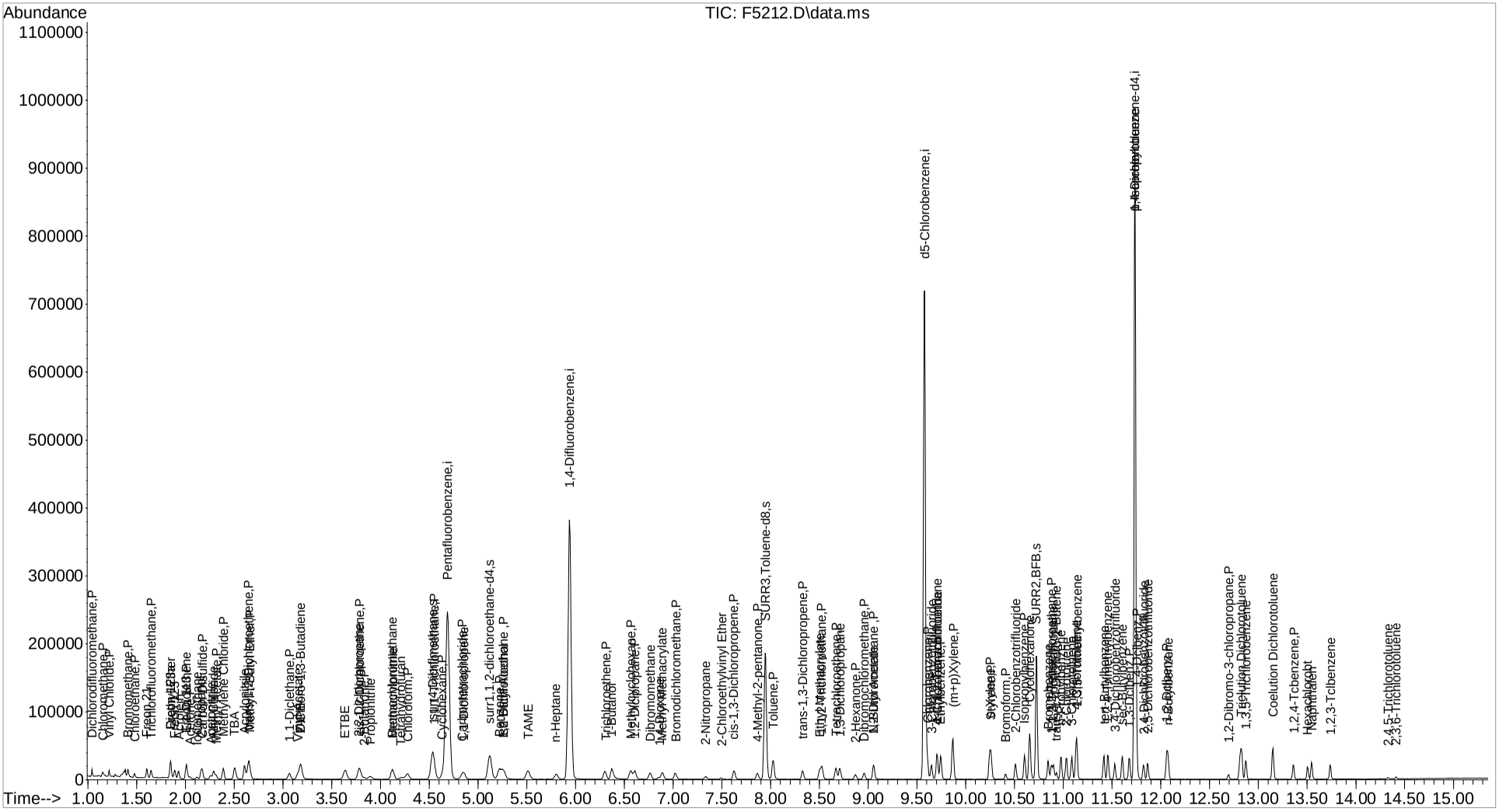
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3-Dclbenz	11.680	146	10312	1.84	ug/L	98
105) 1,4-Dclbenz	11.753	146	11448	1.96	ug/L	95
106) 2,4-Dichlorobenzotrifl...	11.826	214	4365	1.64	ug/L	96
107) 2,5-Dichlorobenzotrifl...	11.869	214	5076	1.70	ug/L	97
108) n-Butylbenzene	12.076	91	13052	1.76	ug/L	94
109) 1,2-Dclbenz	12.058	146	11244	2.00	ug/L	96
110) 1,2-Dibromo-3-chloropr...	12.698	157	1462	1.73	ug/L	83
111) Trielution Dichlorotol...	12.826	125	21256	5.21	ug/L	95
112) 1,3,5-Trichlorobenzene	12.875	180	6879	1.80	ug/L	95
113) Coelution Dichlorotoluene	13.149	125	15296	3.54	ug/L	94
114) 1,2,4-Tcbenzene	13.363	180	5716	1.61	ug/L	93
115) Hexachlorobt	13.503	225	2712	1.55	ug/L	90
116) Naphthalen	13.545	128	14028	1.51	ug/L	98
117) 1,2,3-Tclbenzene	13.741	180	5262	1.55	ug/L	90
118) 2,4,5-Trichlorotoluene	14.326	159	510m	0.56	ug/L	
119) 2,3,6-Trichlorotoluene	14.411	159	524	0.50	ug/L	99

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5212.D
Acq On : 26 Mar 2019 1:37 pm
Operator : F.NAEGLER
Sample : 2.0 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 26 14:05:06 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 14:02:20 2019
Response via : Initial Calibration



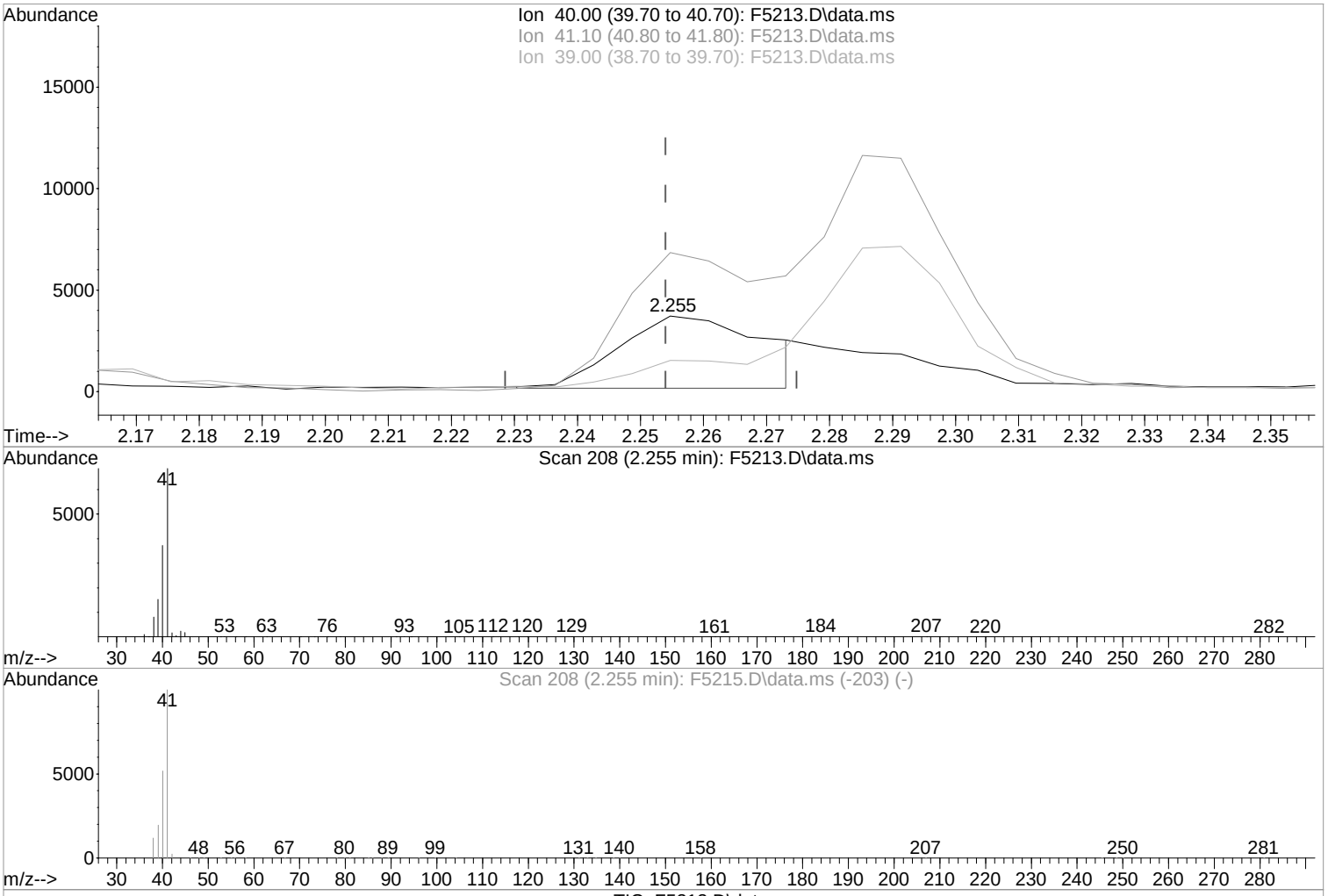
1st 2nd 04/01/19 04/01/19

1st FW 04/01/19
2nd 04/01/19

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5213.D
Acq On : 26 Mar 2019 1:59 pm
Operator : F.NAEGLER
Sample : 5.0 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 26 15:54:18 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 14:05:21 2019
Response via : Initial Calibration



TIC: F5213.D\data.ms

(19) Acetonitrile

2.255min (+0.001) 27.63 ug/L m

response 5705

Ion	Exp%	Act%
40.00	100	100
41.10	175.00	184.32
39.00	38.30	41.15
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

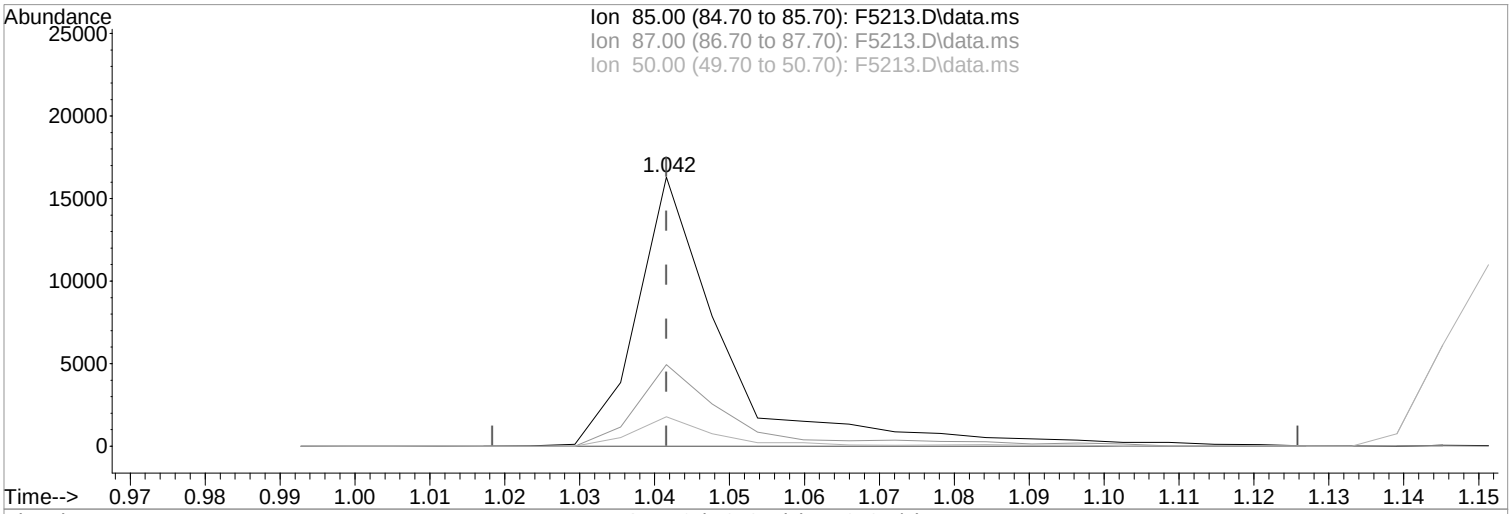
04/01/19

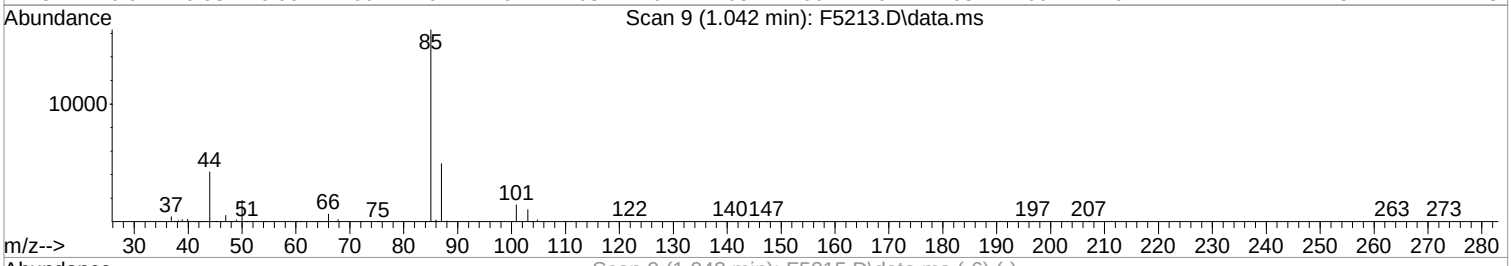
1st FW 04/01/19
2nd 04/01/19

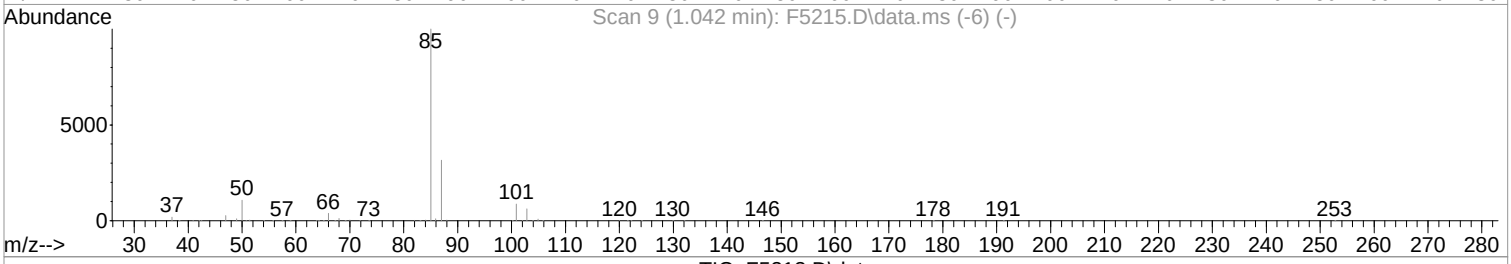
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5213.D
Acq On : 26 Mar 2019 1:59 pm
Operator : F.NAEGLER
Sample : 5.0 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 26 15:54:18 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 14:05:21 2019
Response via : Initial Calibration







TIC: F5213.D\data.ms

(2) Dichlorodifluoromethane (P)

1.042min (-0.000) 4.09 ug/L m

response 13310

Ion	Exp%	Act%
85.00	100	100
87.00	33.30	30.29
50.00	14.00	11.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

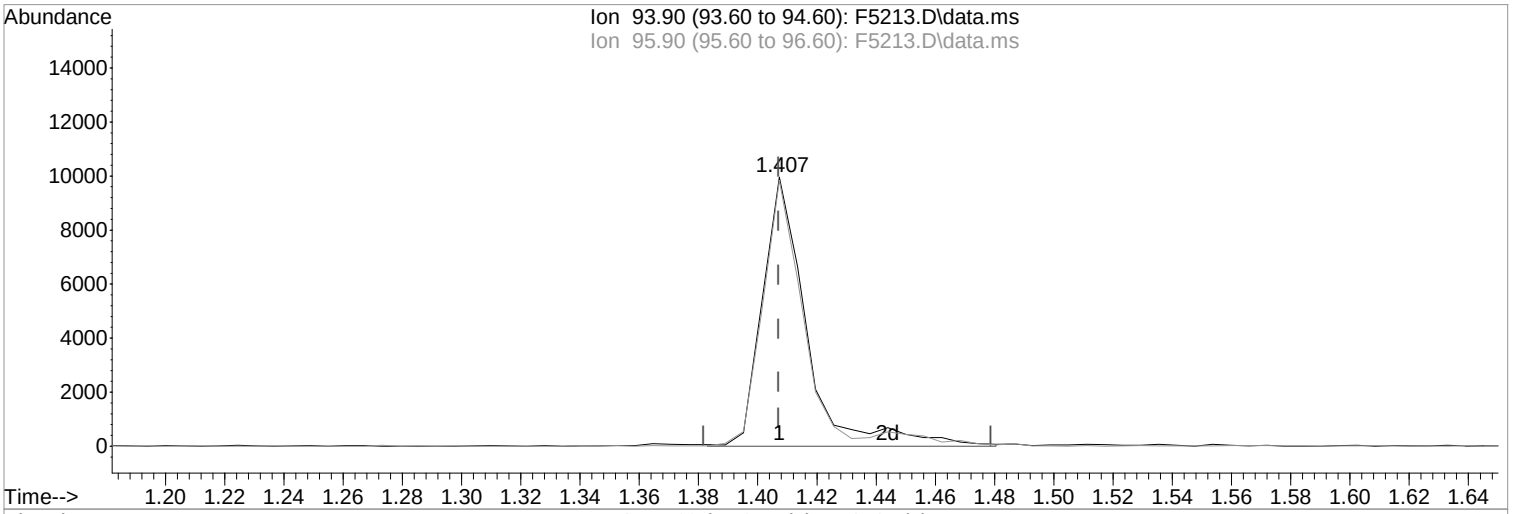
04/01/19

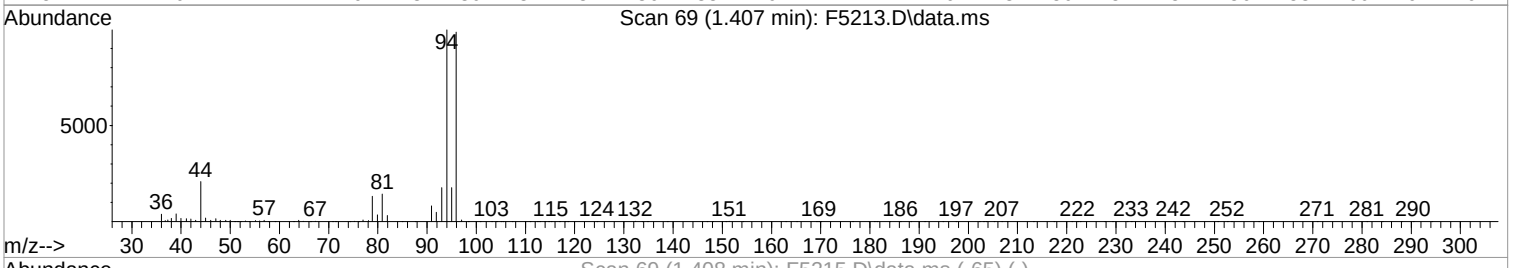
1st FW 04/01/19
2nd 04/01/19

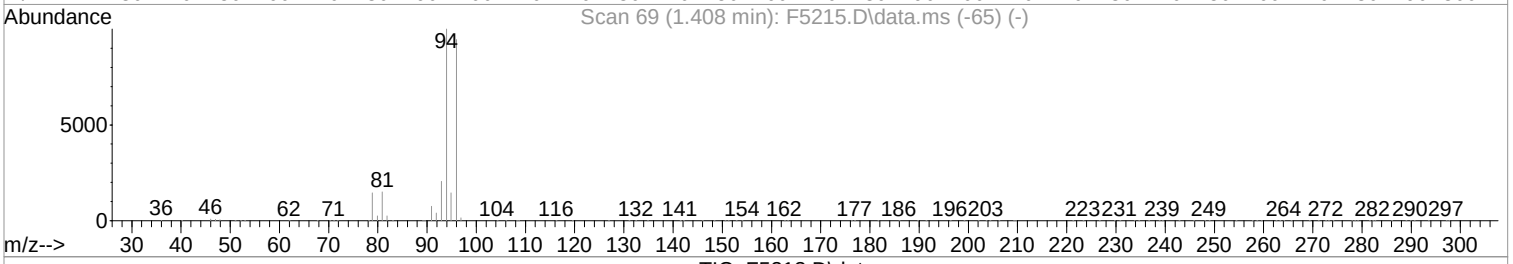
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5213.D
Acq On : 26 Mar 2019 1:59 pm
Operator : F.NAEGLER
Sample : 5.0 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 26 15:54:18 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 14:05:21 2019
Response via : Initial Calibration







TIC: F5213.D\data.ms

(5) Bromomethane (P)

1.407min (+0.000) 6.77 ug/L m

response 10392

Ion	Exp%	Act%
93.90	100	100
95.90	95.90	98.79
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

04/01/19

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5213.D
Acq On : 26 Mar 2019 1:59 pm
Operator : F.NAEGLER
Sample : 5.0 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 26 15:54:18 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 14:05:21 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	4.687	168	259322	50.00	ug/L		0.00
42) 1,4-Difluorobenzene	5.937	114	387785	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.576	117	340757	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.735	152	181987	50.00	ug/L		0.00
System Monitoring Compounds							
44) surr4,Dibrflmethane	4.535	113	29835	12.54	ug/L		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 25.08%#				
47) surr1,1,2-dichloroetha...	5.120	65	35337	13.37	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 26.74%#				
64) SURR3,Toluene-d8	7.949	98	120302	13.11	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 26.22%#				
69) SURR2,BFB	10.723	95	46917	13.65	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 27.30%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.042	85	13310m	4.09	ug/L		
3) Chloromethane	1.151	50	15927	6.03	ug/L		93
4) Vinyl Chloride	1.218	62	14551	6.86	ug/L		94
5) Bromomethane	1.407	94	10392m	6.77	ug/L		
6) Chloroethane	1.474	64	8967	7.74	ug/L		94
7) Freon 21	1.602	67	22734	8.18	ug/L		97
8) Trichlorofluoromethane	1.645	101	16597	6.50	ug/L		98
9) Diethyl Ether	1.846	59	11992	6.08	ug/L		97
10) Freon 123a	1.846	67	13270	6.00	ug/L		99
11) Freon 123	1.889	83	15599	5.73	ug/L		97
12) Acrolein	1.932	56	15679	25.68	ug/L		94
13) 1,1-Diclethene	2.011	96	10036	4.99	ug/L		95
14) Freon 113	2.011	101	9709	5.22	ug/L		96
15) Acetone	2.047	43	6841	5.71	ug/L		96
16) 2-Propanol	2.163	45	23293	105.90	ug/L		98
17) Iodomethane	2.121	142	10210	3.88	ug/L		96
18) Carbon Disulfide	2.175	76	27035	4.90	ug/L		97
19) Acetonitrile	2.255	40	5705m	27.63	ug/L		
20) Allyl Chloride	2.291	76	5726	4.98	ug/L	#	82
21) Methyl Acetate	2.310	43	13327	6.08	ug/L		93
22) Methylene Chloride	2.389	84	13579	5.54	ug/L		95
23) TBA	2.505	59	39973	105.84	ug/L		97
24) Acrylonitrile	2.602	53	35761	30.15	ug/L		89
25) Methyl-t-Butyl Ether	2.657	73	40022	5.47	ug/L		95
26) trans-1,2-Dichloroethene	2.645	96	11501	5.16	ug/L		86
27) 1,1-Diclethane	3.066	63	22411	5.78	ug/L		98
28) Vinyl Acetate	3.151	86	2701	5.13	ug/L	#	56
29) DIPE	3.187	45	38835	6.03	ug/L		93
30) 2-Chloro-1,3-Butadiene	3.175	53	14131	5.08	ug/L		96
31) ETBE	3.639	59	35605	5.41	ug/L		97
32) 2,2-Dichloropropane	3.779	77	15441	4.87	ug/L		94
33) cis-1,2-Dichloroethene	3.791	96	13858	5.42	ug/L		87
34) 2-Butanone	3.834	43	8885	5.83	ug/L		88
35) Propionitrile	3.895	54	14109	29.42	ug/L		97
36) Bromochloromethane	4.120	130	9461	5.22	ug/L		99
37) Methacrylonitrile	4.120	67	7474	5.91	ug/L		93
38) Tetrahydrofuran	4.224	42	5701	5.78	ug/L		81
39) Chloroform	4.279	83	21565	5.48	ug/L		97
40) 1,1,1-Trichloroethane	4.547	97	16457	5.03	ug/L		95

1st FW 04/01/19
2nd WR 04/01/19

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5213.D
Acq On : 26 Mar 2019 1:59 pm
Operator : F.NAEGLER
Sample : 5.0 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 26 15:54:18 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 14:05:21 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) TAME	5.516	73	35340	5.36	ug/L		98
43) Cyclohexane	4.645	41	9702	5.52	ug/L		92
45) Carbontetrachloride	4.840	117	12535	4.37	ug/L		93
46) 1,1-Dichloropropene	4.846	75	14780	5.00	ug/L		97
48) Benzene	5.218	78	50696	5.33	ug/L		98
49) 1,2-Dichloroethane	5.254	62	18067	5.40	ug/L		95
50) Iso-Butyl Alcohol	5.266	43	16346	102.03	ug/L		85
51) n-Heptane	5.803	43	12144	5.16	ug/L		100
52) 1-Butanol	6.370	56	25415	229.14	ug/L		97
53) Trichloroethene	6.303	130	13891	5.00	ug/L		97
54) Methylcyclohexane	6.571	55	13589	5.40	ug/L		93
55) 1,2-Diclpropane	6.608	63	13611	5.51	ug/L		93
56) Dibromomethane	6.766	93	8835	5.11	ug/L	#	77
57) 1,4-Dioxane	6.857	88	5262	105.06	ug/L		100
58) Methyl Methacrylate	6.888	69	10896	5.09	ug/L		93
59) Bromodichloromethane	7.028	83	15218	4.96	ug/L		98
60) 2-Nitropropane	7.333	41	5716	9.08	ug/L		96
61) 2-Chloroethylvinyl Ether	7.485	63	2189	4.52	ug/L		90
62) cis-1,3-Dichloropropene	7.626	75	20104	5.03	ug/L		95
63) 4-Methyl-2-pentanone	7.863	43	15625	5.63	ug/L		95
65) Toluene	8.028	91	52740	5.09	ug/L		96
66) trans-1,3-Dichloropropene	8.327	75	17485	4.82	ug/L		95
67) Ethyl Methacrylate	8.504	69	17560	4.82	ug/L		92
68) 1,1,2-Trichloroethane	8.522	97	13200	5.10	ug/L		98
71) Tetrachloroethene	8.668	164	10337	4.43	ug/L		96
72) 2-Hexanone	8.863	43	11028	5.37	ug/L		97
73) 1,3-Dichloropropane	8.711	76	22823	5.36	ug/L		94
74) Dibromochloromethane	8.955	129	11091	4.35	ug/L		94
75) N-Butyl Acetate	9.052	43	20259	5.37	ug/L		97
76) 1,2-Dibromoethane	9.058	107	12958	4.82	ug/L		90
77) 3-Chlorobenzotrifluoride	9.650	180	18542	4.76	ug/L		93
78) Chlorobenzene	9.607	112	35543	5.03	ug/L		98
79) 4-Chlorobenzotrifluoride	9.711	180	16180	4.59	ug/L		95
80) 1,1,1,2-Tetrachloroethane	9.704	131	11508	4.83	ug/L		95
81) Ethylbenzene	9.741	106	18300	5.06	ug/L		93
82) (m+p)Xylene	9.869	106	44837	10.01	ug/L		93
83) o-Xylene	10.247	106	22072	5.00	ug/L		97
84) Styrene	10.259	104	36545	4.92	ug/L		97
85) Bromoform	10.412	173	7152	4.07	ug/L		100
86) 2-Chlorobenzotrifluoride	10.509	180	18219	4.71	ug/L		96
87) Isopropylbenzene	10.601	105	53807	4.91	ug/L		100
88) Cyclohexanone	10.656	55	59187	109.29	ug/L		90
89) trans-1,4-Dichloro-2-B...	10.930	53	4136	5.19	ug/L		97
91) 1,1,2,2-Tetrachloroethane	10.875	83	18855	5.52	ug/L		97
92) Bromobenzene	10.845	156	15595	4.97	ug/L		99
93) 1,2,3-Trichloropropane	10.899	110	6403	5.29	ug/L		94
94) n-Propylbenzene	10.973	91	61833	5.32	ug/L		96
95) 2-Chlorotoluene	11.034	91	39665	5.50	ug/L		100
96) 3-Chlorotoluene	11.088	91	39406	5.45	ug/L		95
97) 4-Chlorotoluene	11.131	91	45662	5.51	ug/L		97
98) 1,3,5-Trimethylbenzene	11.137	105	45735	5.41	ug/L		99
99) tert-Butylbenzene	11.418	119	39136	5.19	ug/L		99
100) 1,2,4-Trimethylbenzene	11.460	105	45387	5.36	ug/L		95
101) 3,4-Dichlorobenzotrifl...	11.527	214	14248	4.85	ug/L		97
102) sec-Butylbenzene	11.607	105	55464	5.24	ug/L		99
103) p-Isopropyltoluene	11.735	119	47721	5.24	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5213.D
Acq On : 26 Mar 2019 1:59 pm
Operator : F.NAEGLER
Sample : 5.0 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 26 15:54:18 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 14:05:21 2019
Response via : Initial Calibration

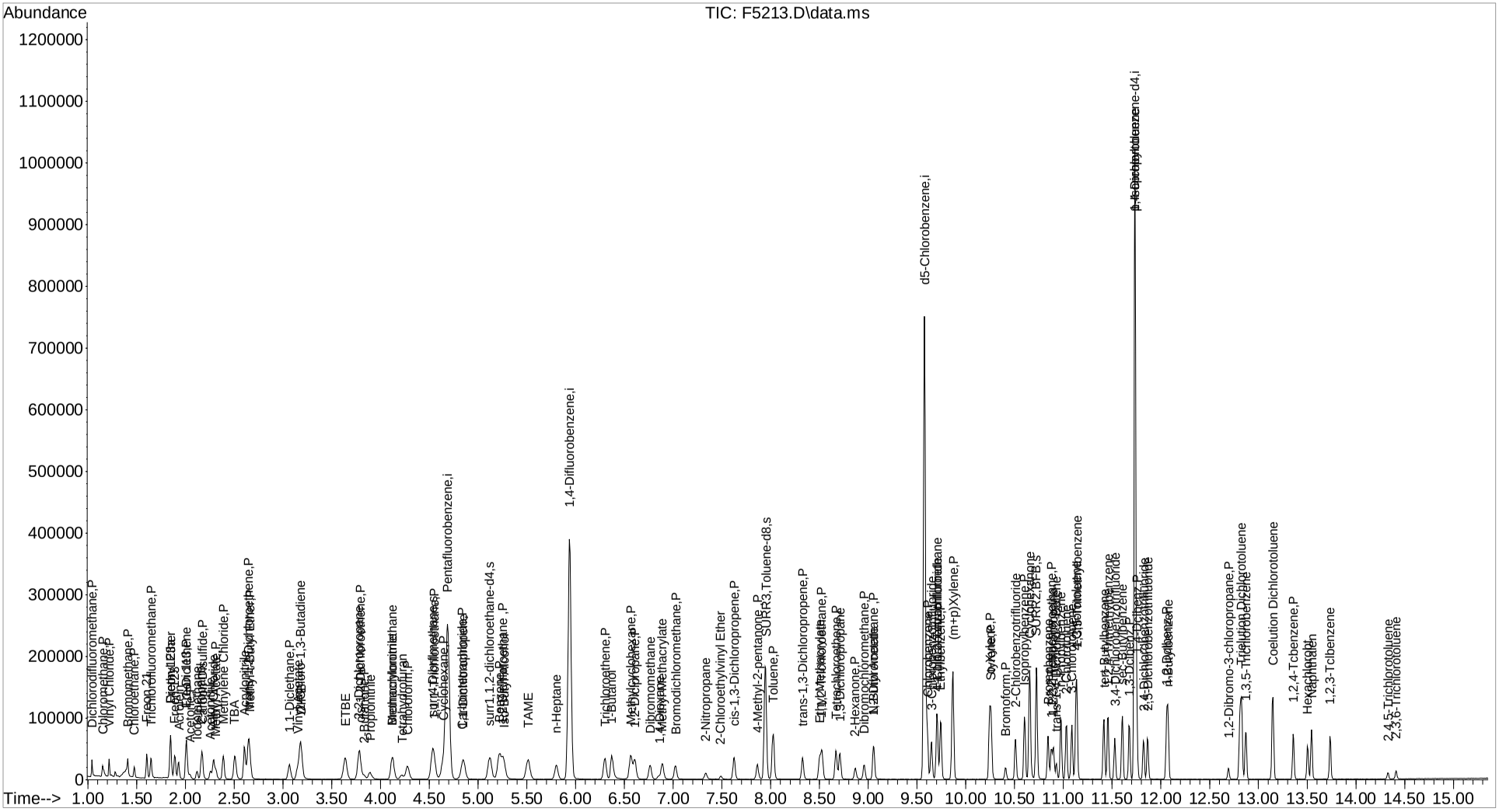
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
104) 1,3-Dclbenz	11.680	146	28615	5.09	ug/L		96
105) 1,4-Dclbenz	11.753	146	29594	5.00	ug/L		98
106) 2,4-Dichlorobenzotrifl...	11.826	214	13004	4.90	ug/L		96
107) 2,5-Dichlorobenzotrifl...	11.869	214	14957	4.98	ug/L		96
108) n-Butylbenzene	12.076	91	39774	5.30	ug/L		99
109) 1,2-Dclbenz	12.058	146	28326	4.96	ug/L		96
110) 1,2-Dibromo-3-chloropr...	12.698	157	3703	4.32	ug/L	#	84
111) Trielution Dichlorotol...	12.826	125	64469	15.59	ug/L		96
112) 1,3,5-Trichlorobenzene	12.875	180	19350	4.96	ug/L		96
113) Coelution Dichlorotoluene	13.149	125	45980	10.46	ug/L		96
114) 1,2,4-Tcbenzene	13.356	180	17822	4.93	ug/L		96
115) Hexachlorobt	13.503	225	8607	4.96	ug/L		91
116) Naphthalen	13.545	128	46507	4.90	ug/L		97
117) 1,2,3-Tclbenzene	13.734	180	16588	4.83	ug/L		97
118) 2,4,5-Trichlorotoluene	14.332	159	2412	2.60	ug/L		97
119) 2,3,6-Trichlorotoluene	14.411	159	2847	2.71	ug/L		98

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5213.D
Acq On : 26 Mar 2019 1:59 pm
Operator : F.NAEGLER
Sample : 5.0 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 26 15:54:18 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 14:05:21 2019
Response via : Initial Calibration



1st 04/01/19
2nd 04/01/19

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5214.D
Acq On : 26 Mar 2019 2:21 pm
Operator : F.NAEGLER
Sample : 20 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 26 15:26:51 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 15:26:44 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	4.687	168	259934	50.00	ug/L		0.00
42) 1,4-Difluorobenzene	5.937	114	387802	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.577	117	340654	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.735	152	186870	50.00	ug/L		0.00
System Monitoring Compounds							
44) surr4,Dibrflmethane	4.535	113	48480	19.57	ug/L		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 39.14%#				
47) surr1,1,2-dichloroetha...	5.120	65	56753	20.53	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 41.06%#				
64) SURR3,Toluene-d8	7.949	98	197876	20.71	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 41.42%#				
69) SURR2,BFB	10.723	95	75477	20.86	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 41.72%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.042	85	69121	21.36	ug/L		98
3) Chloromethane	1.151	50	72325	25.66	ug/L		98
4) Vinyl Chloride	1.218	62	68363	30.16	ug/L		98
5) Bromomethane	1.414	94	40351	24.46	ug/L		95
6) Chloroethane	1.481	64	40319	31.75	ug/L		99
7) Freon 21	1.603	67	88439	28.98	ug/L		99
8) Trichlorofluoromethane	1.651	101	74393	27.67	ug/L		96
9) Diethyl Ether	1.846	59	50251	24.51	ug/L		97
10) Freon 123a	1.846	67	53109	23.30	ug/L		96
11) Freon 123	1.895	83	60752	21.89	ug/L		99
12) Acrolein	1.932	56	68043	109.94	ug/L		98
13) 1,1-Diclethene	2.011	96	48116	23.78	ug/L	#	88
14) Freon 113	2.017	101	41963	22.31	ug/L		92
15) Acetone	2.048	43	25930	20.81	ug/L		87
16) 2-Propanol	2.157	45	106351	473.20	ug/L		94
17) Iodomethane	2.121	142	58246	22.49	ug/L		95
18) Carbon Disulfide	2.176	76	105115	18.87	ug/L		98
19) Acetonitrile	2.255	40	28000	132.62	ug/L		95
20) Allyl Chloride	2.291	76	26961	23.31	ug/L	#	82
21) Methyl Acetate	2.310	43	55345	24.42	ug/L		98
22) Methylene Chloride	2.389	84	58091	23.13	ug/L		98
23) TBA	2.505	59	179566	467.10	ug/L		97
24) Acrylonitrile	2.602	53	153192	124.36	ug/L		97
25) Methyl-t-Butyl Ether	2.657	73	174837	23.42	ug/L		94
26) trans-1,2-Dichloroethene	2.645	96	52261	23.18	ug/L		98
27) 1,1-Diclethane	3.066	63	97677	24.60	ug/L		99
28) Vinyl Acetate	3.151	86	11601	21.71	ug/L	#	86
29) DIPE	3.181	45	153838	23.04	ug/L		92
30) 2-Chloro-1,3-Butadiene	3.175	53	56089	20.02	ug/L		99
31) ETBE	3.639	59	146011	21.80	ug/L		96
32) 2,2-Dichloropropane	3.785	77	70721	22.17	ug/L		97
33) cis-1,2-Dichloroethene	3.785	96	59961	23.05	ug/L		94
34) 2-Butanone	3.828	43	38441	24.40	ug/L		99
35) Propionitrile	3.889	54	63920	128.14	ug/L		94
36) Bromochloromethane	4.120	130	42044	22.94	ug/L		97
37) Methacrylonitrile	4.126	67	32277	24.80	ug/L		96
38) Tetrahydrofuran	4.212	42	25302	24.66	ug/L		93
39) Chloroform	4.279	83	95480	23.82	ug/L		97
40) 1,1,1-Trichloroethane	4.553	97	74671	22.71	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5214.D
Acq On : 26 Mar 2019 2:21 pm
Operator : F.NAEGLER
Sample : 20 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 26 15:26:51 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 15:26:44 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) TAME	5.510	73	144415	21.55 ug/L	98
43) Cyclohexane	4.645	41	38212	21.44 ug/L	88
45) Carbontetrachloride	4.840	117	57428	20.28 ug/L	98
46) 1,1-Dichloropropene	4.852	75	68207	23.02 ug/L	97
48) Benzene	5.218	78	219224	22.80 ug/L	97
49) 1,2-Dichloroethane	5.260	62	78697	23.22 ug/L	96
50) Iso-Butyl Alcohol	5.254	43	75405	463.48 ug/L	96
51) n-Heptane	5.803	43	54022	22.64 ug/L	98
52) 1-Butanol	6.370	56	123356	1103.46 ug/L	100
53) Trichloroethene	6.303	130	61270	22.14 ug/L	96
54) Methylcyclohexane	6.565	55	52746	20.76 ug/L	95
55) 1,2-Diclpropane	6.608	63	60251	23.94 ug/L	94
56) Dibromomethane	6.766	93	40263	23.10 ug/L #	77
57) 1,4-Dioxane	6.845	88	24001	477.47 ug/L	96
58) Methyl Methacrylate	6.888	69	50737	23.49 ug/L	100
59) Bromodichloromethane	7.022	83	69333	22.51 ug/L	97
60) 2-Nitropropane	7.333	41	26496	41.37 ug/L	100
61) 2-Chloroethylvinyl Ether	7.485	63	10526	21.31 ug/L	100
62) cis-1,3-Dichloropropene	7.626	75	90909	22.56 ug/L	99
63) 4-Methyl-2-pentanone	7.863	43	67422	23.70 ug/L	96
65) Toluene	8.028	91	232773	22.32 ug/L	99
66) trans-1,3-Dichloropropene	8.327	75	80039	22.05 ug/L	98
67) Ethyl Methacrylate	8.504	69	84287	23.07 ug/L	97
68) 1,1,2-Trichloroethane	8.528	97	59334	22.79 ug/L	99
71) Tetrachloroethene	8.668	164	44226	19.18 ug/L	97
72) 2-Hexanone	8.863	43	50009	24.01 ug/L	98
73) 1,3-Dichloropropane	8.711	76	101804	23.69 ug/L	94
74) Dibromochloromethane	8.961	129	52337	20.52 ug/L	96
75) N-Butyl Acetate	9.052	43	93451	24.42 ug/L	98
76) 1,2-Dibromoethane	9.058	107	59367	22.08 ug/L	93
77) 3-Chlorobenzotrifluoride	9.650	180	65464	16.99 ug/L	98
78) Chlorobenzene	9.607	112	152733	21.61 ug/L	99
79) 4-Chlorobenzotrifluoride	9.711	180	60804	17.46 ug/L	95
80) 1,1,1,2-Tetrachloroethane	9.705	131	49989	21.03 ug/L	97
81) Ethylbenzene	9.741	106	78633	21.80 ug/L	99
82) (m+p)Xylene	9.869	106	195640	43.81 ug/L	99
83) o-Xylene	10.247	106	97739	22.18 ug/L	97
84) Styrene	10.259	104	164973	22.25 ug/L	98
85) Bromoform	10.406	173	34068	19.43 ug/L	99
86) 2-Chlorobenzotrifluoride	10.509	180	65556	17.14 ug/L	99
87) Isopropylbenzene	10.601	105	238416	21.87 ug/L	98
88) Cyclohexanone	10.656	55	265624	483.08 ug/L	89
89) trans-1,4-Dichloro-2-B...	10.930	53	18236	22.53 ug/L	97
91) 1,1,2,2-Tetrachloroethane	10.875	83	81061	22.62 ug/L	99
92) Bromobenzene	10.845	156	68678	21.43 ug/L	98
93) 1,2,3-Trichloropropane	10.899	110	28140	22.41 ug/L	97
94) n-Propylbenzene	10.979	91	275957	22.95 ug/L	97
95) 2-Chlorotoluene	11.034	91	171513	22.90 ug/L	99
96) 3-Chlorotoluene	11.088	91	151274	20.14 ug/L	94
97) 4-Chlorotoluene	11.131	91	195425	22.66 ug/L	95
98) 1,3,5-Trimethylbenzene	11.137	105	200425	22.91 ug/L	98
99) tert-Butylbenzene	11.418	119	171144	22.13 ug/L	97
100) 1,2,4-Trimethylbenzene	11.460	105	206076	23.52 ug/L	97
101) 3,4-Dichlorobenzotrifl...	11.527	214	53558	17.88 ug/L	97
102) sec-Butylbenzene	11.607	105	246168	22.51 ug/L	98
103) p-Isopropyltoluene	11.735	119	208294	22.13 ug/L	98

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5214.D
Acq On : 26 Mar 2019 2:21 pm
Operator : F.NAEGLER
Sample : 20 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 26 15:26:51 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 15:26:44 2019
Response via : Initial Calibration

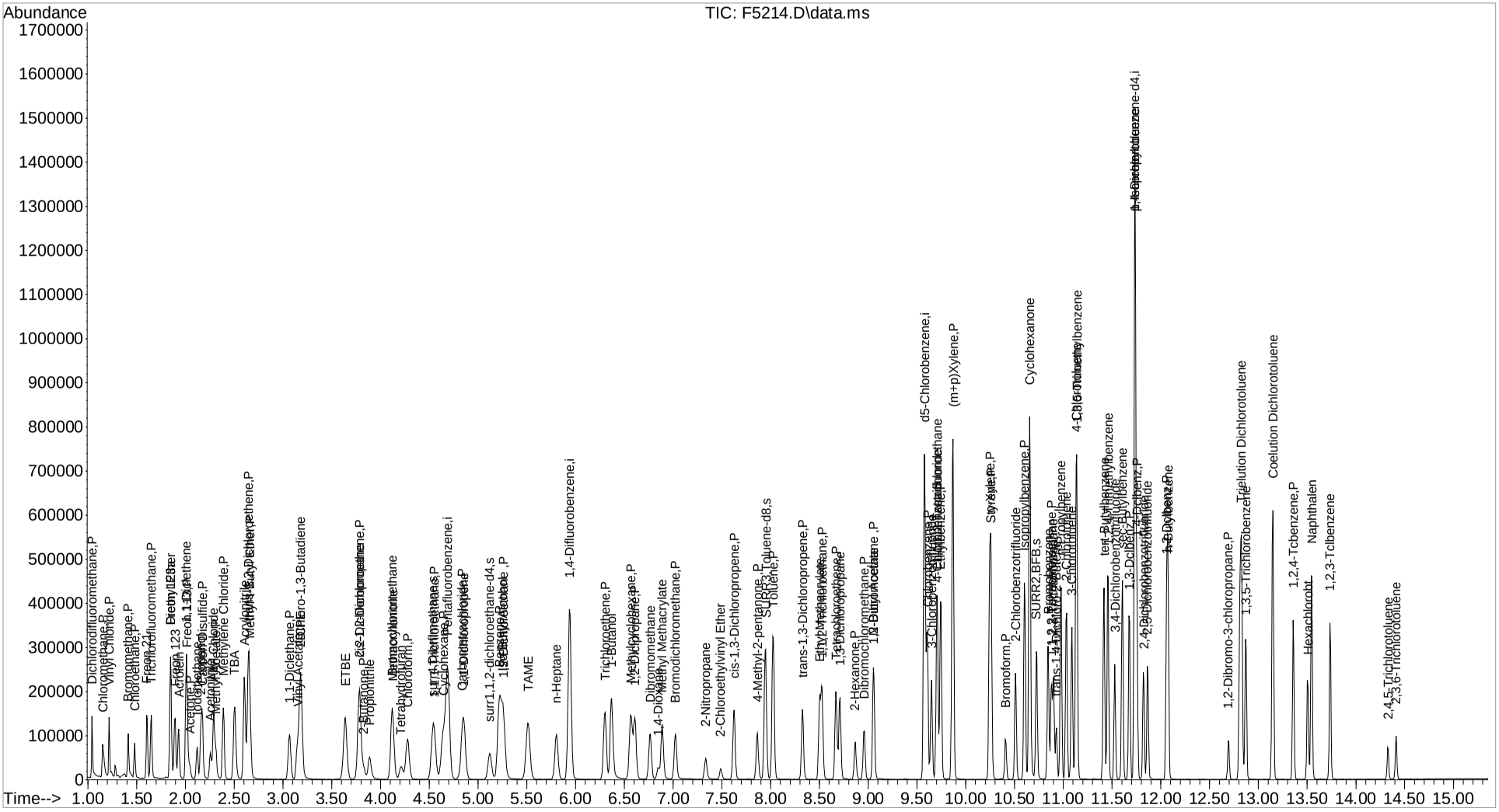
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
104) 1,3-Dclbenz	11.680	146	123911	21.41 ug/L	99
105) 1,4-Dclbenz	11.753	146	126477	20.77 ug/L	97
106) 2,4-Dichlorobenzotrifl...	11.826	214	47656	17.64 ug/L	95
107) 2,5-Dichlorobenzotrifl...	11.863	214	54496	17.72 ug/L	97
108) n-Butylbenzene	12.076	91	179106	22.84 ug/L	99
109) 1,2-Dclbenz	12.058	146	126944	21.69 ug/L	98
110) 1,2-Dibromo-3-chloropr...	12.692	157	18399	20.93 ug/L	98
111) Trielution Dichlorotol...	12.826	125	264342	61.87 ug/L	94
112) 1,3,5-Trichlorobenzene	12.875	180	78450	19.73 ug/L	98
113) Coelution Dichlorotoluene	13.149	125	199038	43.73 ug/L	96
114) 1,2,4-Tcbenzene	13.356	180	85182	22.94 ug/L	95
115) Hexachlorobt	13.509	225	35192	19.79 ug/L	95
116) Naphthalen	13.545	128	260969	26.69 ug/L	98
117) 1,2,3-Tclbenzene	13.734	180	83529	23.72 ug/L	97
118) 2,4,5-Trichlorotoluene	14.332	159	14237	15.05 ug/L	98
119) 2,3,6-Trichlorotoluene	14.411	159	18055	16.84 ug/L	98

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5214.D
Acq On : 26 Mar 2019 2:21 pm
Operator : F.NAEGLER
Sample : 20 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 26 15:26:51 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 15:26:44 2019
Response via : Initial Calibration



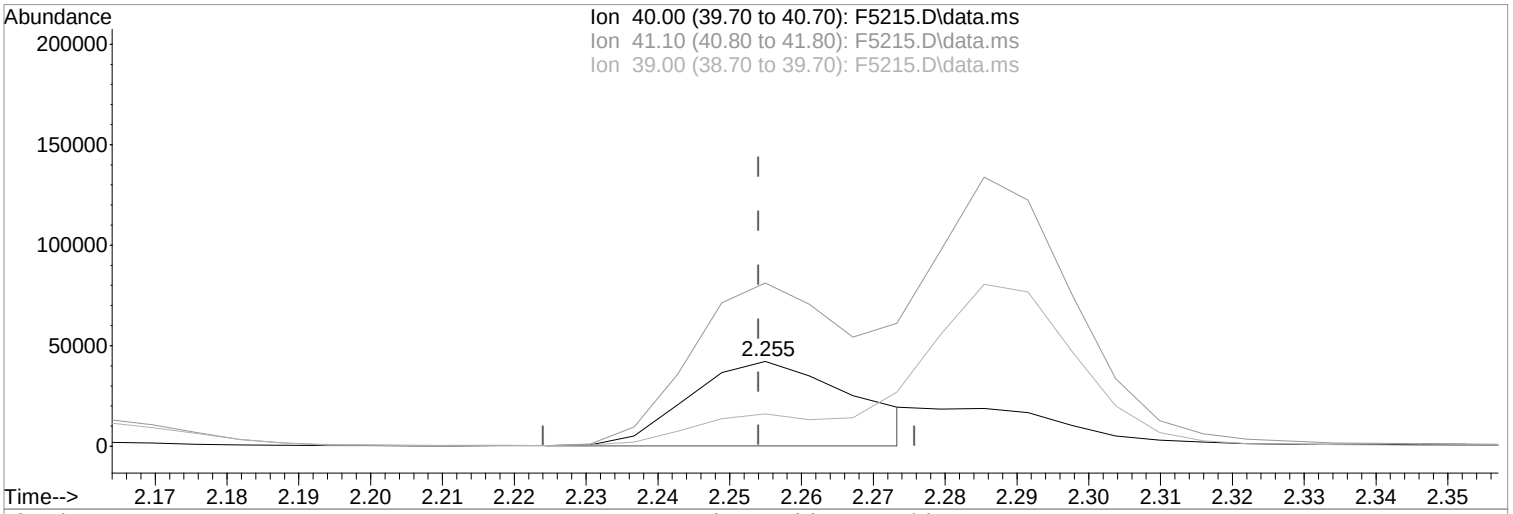
1st 04/01/19
2nd 04/01/19

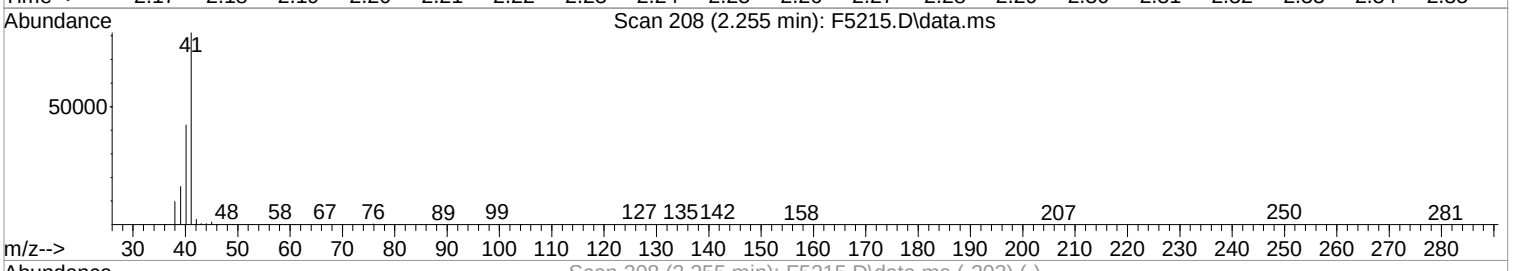
1st FW 04/01/19
2nd 04/01/19

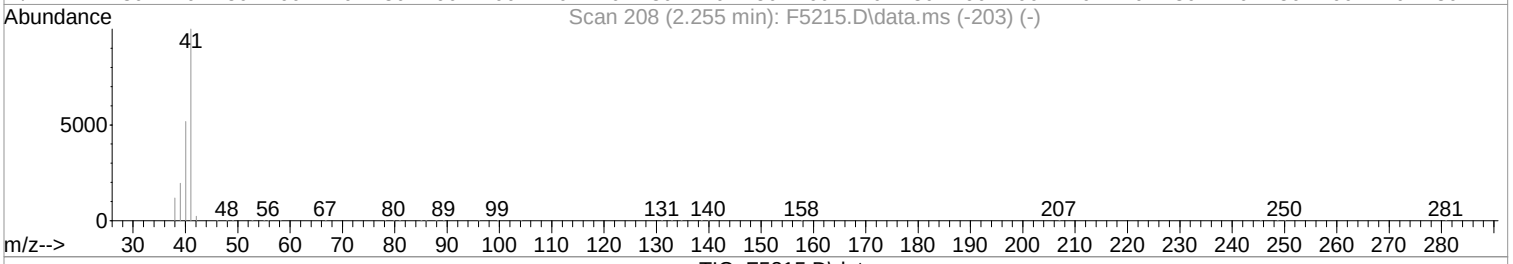
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5215.D
Acq On : 26 Mar 2019 2:44 pm
Operator : F.NAEGLER
Sample : 50 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 26 15:29:09 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 15:28:21 2019
Response via : Initial Calibration







TIC: F5215.D\data.ms

(19) Acetonitrile

2.255min (+0.001) 292.36 ug/L m

response 66999

Ion	Exp%	Act%
40.00	100	100
41.10	175.00	192.55
39.00	38.30	38.17
0.00	0.00	0.00

Manual Integration:

After

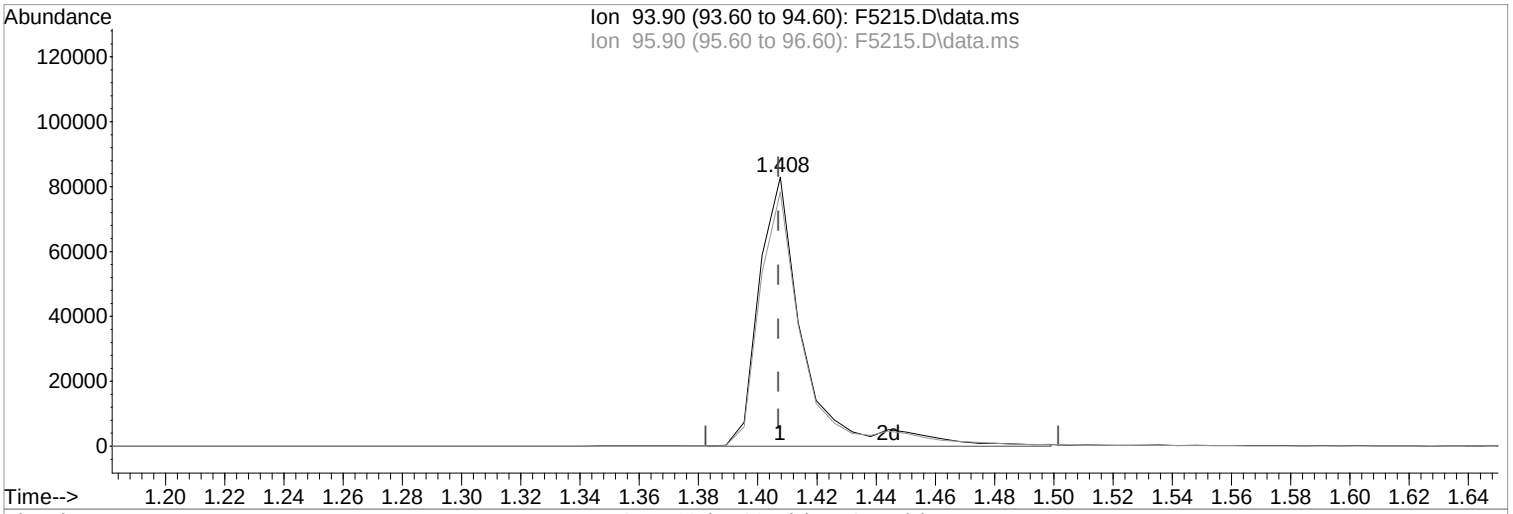
Poor integration.

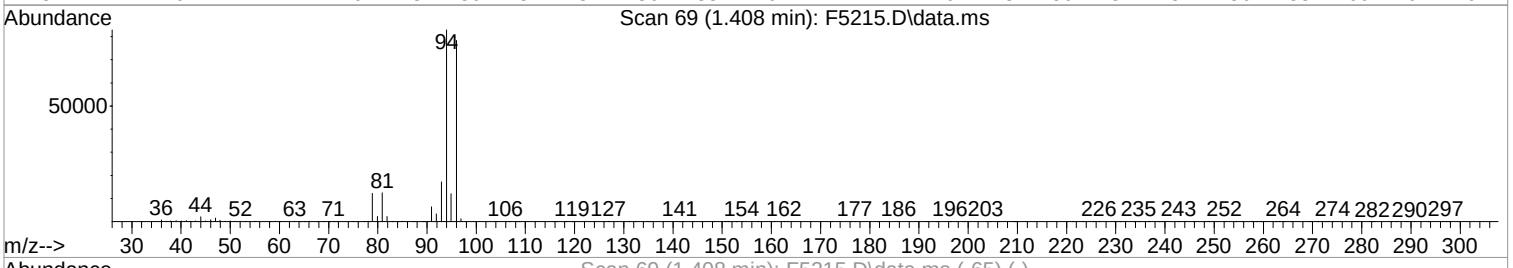
04/01/19

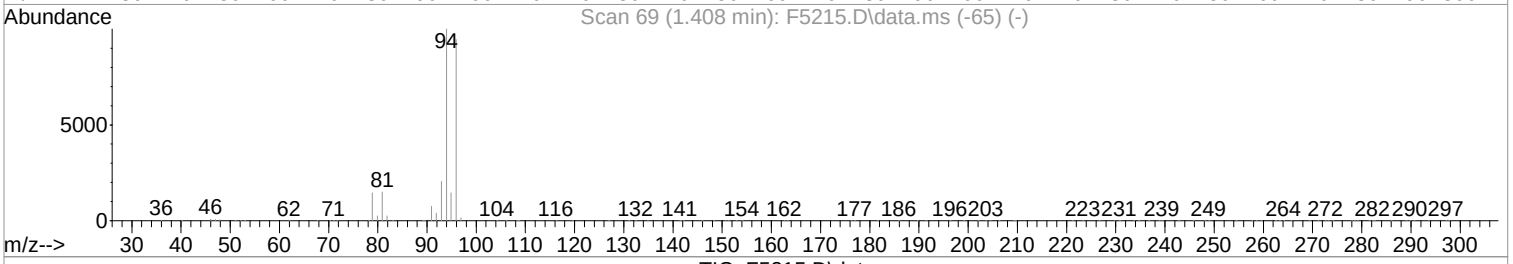
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5215.D
Acq On : 26 Mar 2019 2:44 pm
Operator : F.NAEGLER
Sample : 50 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 26 15:29:09 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 15:28:21 2019
Response via : Initial Calibration







TIC: F5215.D\data.ms

(5) Bromomethane (P)

1.408min (+0.001) 48.06 ug/L m

response 86699

Ion	Exp%	Act%
93.90	100	100
95.90	95.90	94.53
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

04/01/19

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5215.D
Acq On : 26 Mar 2019 2:44 pm
Operator : F.NAEGLER
Sample : 50 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 26 15:29:09 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 15:28:21 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	4.687	168	267040	50.00	ug/L		0.00
42) 1,4-Difluorobenzene	5.937	114	393165	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.577	117	349996	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.735	152	192202	50.00	ug/L		0.00
System Monitoring Compounds							
44) surr4,Dibrflmethane	4.535	113	130114	51.73	ug/L		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 103.46%				
47) surr1,1,2-dichloroetha...	5.120	65	151767	53.39	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 106.78%				
64) SURR3,Toluene-d8	7.943	98	512645	52.21	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 104.42%				
69) SURR2,BFB	10.723	95	196098	52.36	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 104.72%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.042	85	172958	52.32	ug/L		96
3) Chloromethane	1.152	50	178423	57.48	ug/L		100
4) Vinyl Chloride	1.219	62	174161	68.86	ug/L		98
5) Bromomethane	1.408	94	86699m	48.06	ug/L		
6) Chloroethane	1.475	64	99333	68.95	ug/L		99
7) Freon 21	1.603	67	222876	65.97	ug/L		99
8) Trichlorofluoromethane	1.645	101	188392	64.16	ug/L		98
9) Diethyl Ether	1.847	59	125699	57.45	ug/L		97
10) Freon 123a	1.847	67	137890	57.62	ug/L		99
11) Freon 123	1.889	83	158699	55.06	ug/L		99
12) Acrolein	1.926	56	177147	274.64	ug/L		96
13) 1,1-Diclethene	2.005	96	118647	55.77	ug/L		94
14) Freon 113	2.011	101	107314	54.73	ug/L		97
15) Acetone	2.042	43	64335	48.43	ug/L		91
16) 2-Propanol	2.164	45	292523	1229.19	ug/L		93
17) Iodomethane	2.115	142	169360	64.77	ug/L		97
18) Carbon Disulfide	2.170	76	301559	53.22	ug/L		99
19) Acetonitrile	2.255	40	66999m	292.36	ug/L		
20) Allyl Chloride	2.292	76	66834	54.96	ug/L	#	84
21) Methyl Acetate	2.310	43	142533	59.16	ug/L		97
22) Methylene Chloride	2.389	84	140685	53.06	ug/L		96
23) TBA	2.505	59	489384	1209.11	ug/L		96
24) Acrylonitrile	2.602	53	390327	296.62	ug/L		98
25) Methyl-t-Butyl Ether	2.657	73	432037	55.00	ug/L		97
26) trans-1,2-Dichloroethene	2.639	96	129542	54.63	ug/L		97
27) 1,1-Diclethane	3.066	63	240938	57.27	ug/L		99
28) Vinyl Acetate	3.145	86	31389	56.83	ug/L	#	86
29) DIPE	3.182	45	396004	56.80	ug/L		93
30) 2-Chloro-1,3-Butadiene	3.176	53	157422	54.84	ug/L		97
31) ETBE	3.639	59	377047	54.55	ug/L		98
32) 2,2-Dichloropropane	3.779	77	175574	52.99	ug/L		96
33) cis-1,2-Dichloroethene	3.785	96	147621	54.14	ug/L		96
34) 2-Butanone	3.822	43	95954	56.76	ug/L		99
35) Propionitrile	3.889	54	165248	309.26	ug/L		97
36) Bromochloromethane	4.120	130	101742	53.01	ug/L		97
37) Methacrylonitrile	4.120	67	83358	60.40	ug/L		86
38) Tetrahydrofuran	4.212	42	63127	57.44	ug/L		94
39) Chloroform	4.273	83	232571	54.90	ug/L		97
40) 1,1,1-Trichloroethane	4.547	97	189951	55.44	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5215.D
Acq On : 26 Mar 2019 2:44 pm
Operator : F.NAEGLER
Sample : 50 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 26 15:29:09 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 15:28:21 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) TAME	5.510	73	375902	54.43	ug/L		98
43) Cyclohexane	4.645	41	99762	54.89	ug/L		87
45) Carbontetrachloride	4.840	117	146444	51.31	ug/L		98
46) 1,1-Dichloropropene	4.852	75	168955	55.43	ug/L		97
48) Benzene	5.218	78	541841	54.65	ug/L		97
49) 1,2-Dichloroethane	5.260	62	192316	54.87	ug/L		99
50) Iso-Butyl Alcohol	5.260	43	208809	1239.34	ug/L		94
51) n-Heptane	5.803	43	141334	57.69	ug/L		95
52) 1-Butanol	6.370	56	353107	3083.53	ug/L		99
53) Trichloroethene	6.297	130	152555	54.05	ug/L		99
54) Methylcyclohexane	6.565	55	141391	54.93	ug/L		98
55) 1,2-Diclpropane	6.608	63	147376	56.38	ug/L		96
56) Dibromomethane	6.760	93	97388	54.35	ug/L	#	77
57) 1,4-Dioxane	6.846	88	63200	1214.97	ug/L		89
58) Methyl Methacrylate	6.888	69	132241	59.31	ug/L		98
59) Bromodichloromethane	7.022	83	172836	54.70	ug/L		97
60) 2-Nitropropane	7.333	41	72495	110.83	ug/L		98
61) 2-Chloroethylvinyl Ether	7.486	63	31586	62.66	ug/L		96
62) cis-1,3-Dichloropropene	7.626	75	232931	56.45	ug/L		98
63) 4-Methyl-2-pentanone	7.864	43	176781	59.73	ug/L		96
65) Toluene	8.022	91	582211	54.37	ug/L		99
66) trans-1,3-Dichloropropene	8.327	75	208814	56.55	ug/L		99
67) Ethyl Methacrylate	8.504	69	222465	59.35	ug/L		93
68) 1,1,2-Trichloroethane	8.528	97	145641	54.35	ug/L		99
71) Tetrachloroethene	8.668	164	113242	48.22	ug/L		93
72) 2-Hexanone	8.863	43	134206	61.19	ug/L		94
73) 1,3-Dichloropropane	8.711	76	250658	55.55	ug/L		94
74) Dibromochloromethane	8.955	129	138934	53.09	ug/L		97
75) N-Butyl Acetate	9.052	43	252111	62.59	ug/L		96
76) 1,2-Dibromoethane	9.059	107	152142	54.68	ug/L		94
77) 3-Chlorobenzotrifluoride	9.650	180	174995	46.45	ug/L		97
78) Chlorobenzene	9.607	112	378254	51.80	ug/L		99
79) 4-Chlorobenzotrifluoride	9.711	180	160053	46.93	ug/L		95
80) 1,1,1,2-Tetrachloroethane	9.705	131	130167	53.46	ug/L		98
81) Ethylbenzene	9.747	106	198295	53.22	ug/L		95
82) (m+p)Xylene	9.869	106	494821	107.17	ug/L		98
83) o-Xylene	10.247	106	245150	53.92	ug/L		100
84) Styrene	10.259	104	424449	55.43	ug/L		96
85) Bromoform	10.406	173	92261	51.80	ug/L		100
86) 2-Chlorobenzotrifluoride	10.509	180	176987	47.09	ug/L		98
87) Isopropylbenzene	10.607	105	616695	54.82	ug/L		99
88) Cyclohexanone	10.656	55	722302	1247.81	ug/L		91
89) trans-1,4-Dichloro-2-B...	10.930	53	48747	57.62	ug/L		90
91) 1,1,2,2-Tetrachloroethane	10.875	83	201272	53.65	ug/L		99
92) Bromobenzene	10.845	156	170868	51.64	ug/L		97
93) 1,2,3-Trichloropropane	10.900	110	71729	54.86	ug/L		99
94) n-Propylbenzene	10.979	91	709472	56.41	ug/L		98
95) 2-Chlorotoluene	11.034	91	431384	55.06	ug/L		98
96) 3-Chlorotoluene	11.089	91	396687	51.90	ug/L		97
97) 4-Chlorotoluene	11.131	91	495211	54.89	ug/L		96
98) 1,3,5-Trimethylbenzene	11.137	105	505505	55.37	ug/L		98
99) tert-Butylbenzene	11.418	119	438245	54.61	ug/L		97
100) 1,2,4-Trimethylbenzene	11.454	105	515589	56.25	ug/L		99
101) 3,4-Dichlorobenzotrifl...	11.528	214	141737	47.95	ug/L		96
102) sec-Butylbenzene	11.607	105	635889	55.91	ug/L		98
103) p-Isopropyltoluene	11.735	119	534977	54.65	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5215.D
Acq On : 26 Mar 2019 2:44 pm
Operator : F.NAEGLER
Sample : 50 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 26 15:29:09 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 15:28:21 2019
Response via : Initial Calibration

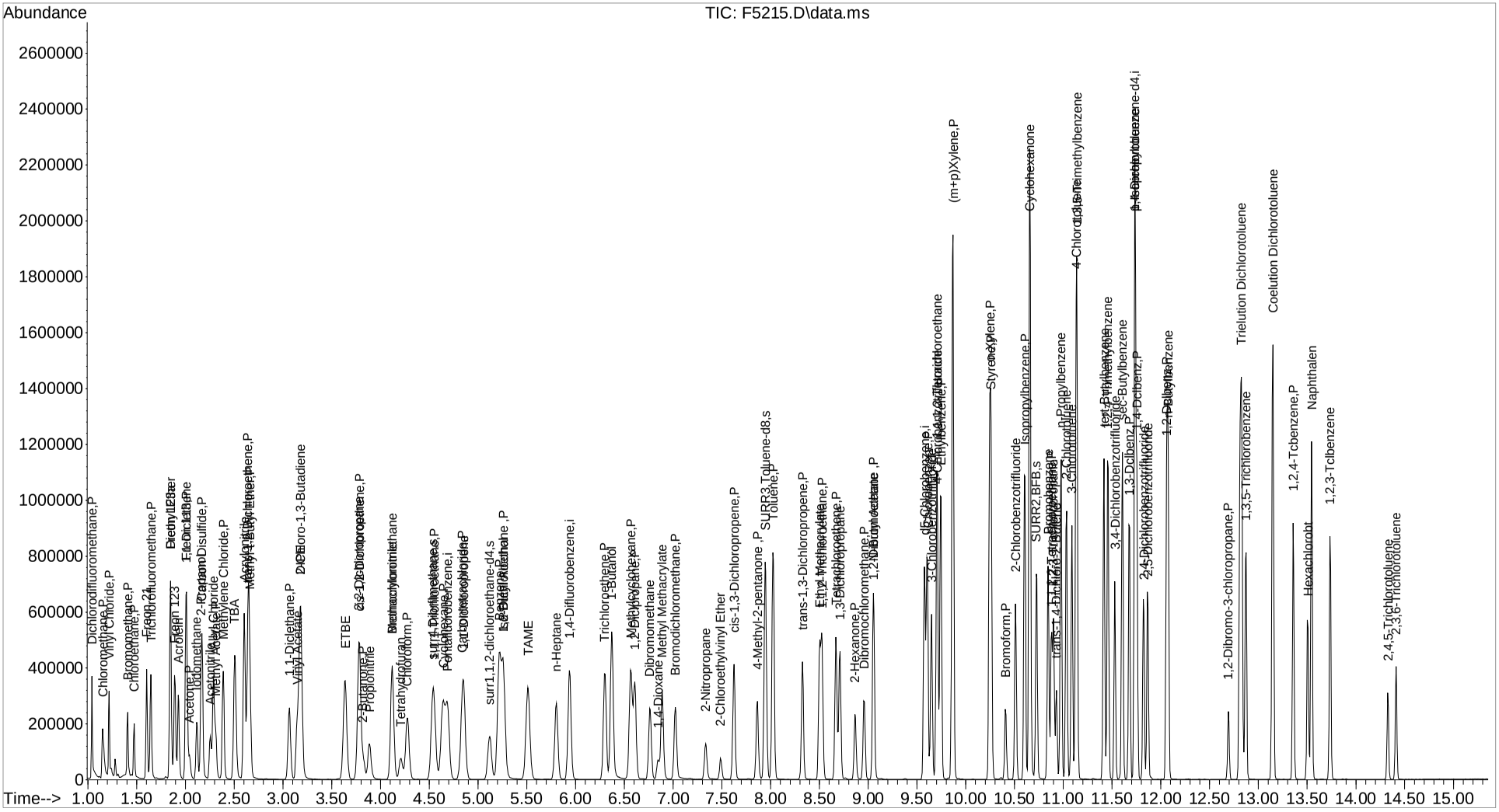
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3-Dclbenz	11.680	146	308950	51.64	ug/L	98
105) 1,4-Dclbenz	11.753	146	313970	49.97	ug/L	99
106) 2,4-Dichlorobenzotrifl...	11.826	214	128998	48.43	ug/L	97
107) 2,5-Dichlorobenzotrifl...	11.869	214	146640	48.10	ug/L	95
108) n-Butylbenzene	12.076	91	466415	56.90	ug/L	96
109) 1,2-Dclbenz	12.058	146	316426	52.26	ug/L	99
110) 1,2-Dibromo-3-chloropr...	12.692	157	51296	56.82	ug/L	98
111) Trielution Dichlorotol...	12.826	125	700281	162.36	ug/L	94
112) 1,3,5-Trichlorobenzene	12.875	180	202911	50.99	ug/L	98
113) Coelution Dichlorotoluene	13.149	125	518696	112.15	ug/L	94
114) 1,2,4-Tcbenzene	13.356	180	214616	56.27	ug/L	99
115) Hexachlorobt	13.509	225	88552	48.61	ug/L	99
116) Naphthalen	13.545	128	686168	67.40	ug/L	98
117) 1,2,3-Tclbenzene	13.734	180	213418	58.85	ug/L	99
118) 2,4,5-Trichlorotoluene	14.326	159	62016	67.06	ug/L	95
119) 2,3,6-Trichlorotoluene	14.411	159	74768	70.65	ug/L	94

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5215.D
Acq On : 26 Mar 2019 2:44 pm
Operator : F.NAEGLER
Sample : 50 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 26 15:29:09 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 15:28:21 2019
Response via : Initial Calibration



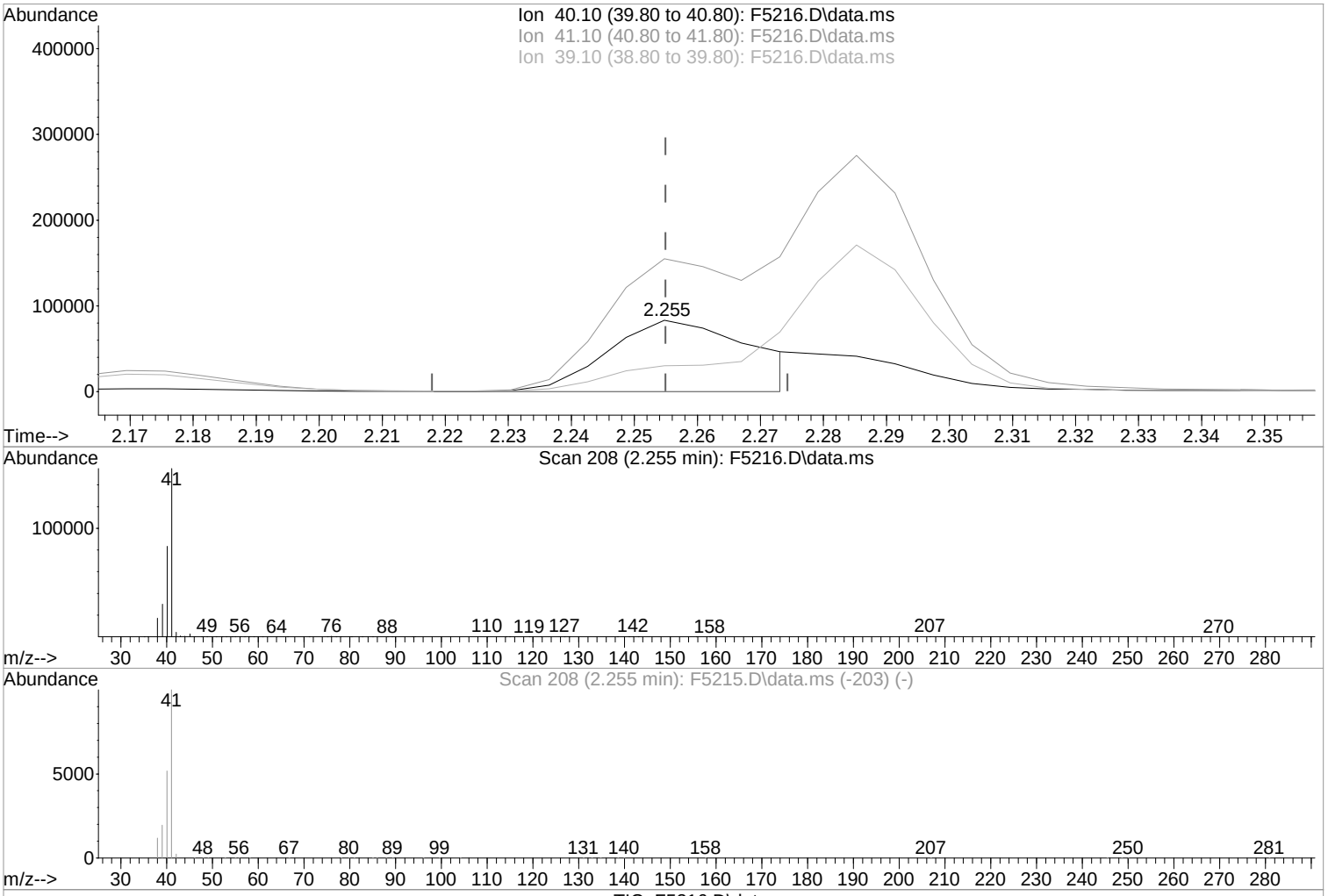
1st 04/01/19
2nd 04/01/19

1st FW 04/01/19
2nd 04/01/19

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5216.D
Acq On : 26 Mar 2019 3:06 pm
Operator : F.NAEGLER
Sample : 100 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 26 15:31:59 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 15:30:15 2019
Response via : Initial Calibration



TIC: F5216.D\data.ms

(19) Acetonitrile

2.255min (-0.000) 550.07 ug/L m

response 132238

Ion	Exp%	Act%
40.10	100	100
41.10	192.60	186.03
39.10	38.20	36.20
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

04/01/19

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5216.D
Acq On : 26 Mar 2019 3:06 pm
Operator : F.NAEGLER
Sample : 100 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 26 15:31:59 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 15:30:15 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.687	168	267713	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	5.937	114	397311	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.577	117	356273	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.735	152	201715	50.00	ug/L	0.00
System Monitoring Compounds						
44) surr4,Dibrflmethane	4.535	113	261213	100.98	ug/L	0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 201.96%#			
47) surr1,1,2-dichloroetha...	5.120	65	305616	103.13	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 206.26%#			
64) SURR3,Toluene-d8	7.949	98	1032068	101.40	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 202.80%#			
69) SURR2,BFB	10.723	95	399533	102.26	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 204.52%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.042	85	336074	102.17	ug/L	98
3) Chloromethane	1.151	50	357280	108.00	ug/L	96
4) Vinyl Chloride	1.218	62	346895	127.07	ug/L	100
5) Bromomethane	1.401	94	132488	70.06	ug/L	95
6) Chloroethane	1.468	64	188920	120.18	ug/L	98
7) Freon 21	1.602	67	426123	115.21	ug/L	100
8) Trichlorofluoromethane	1.639	101	369215	118.75	ug/L	100
9) Diethyl Ether	1.846	59	247040	108.85	ug/L	99
10) Freon 123a	1.846	67	257958	101.79	ug/L	96
11) Freon 123	1.889	83	299916	98.77	ug/L	98
12) Acrolein	1.926	56	351853	533.77	ug/L	100
13) 1,1-Diclethene	2.005	96	233400	107.41	ug/L	98
14) Freon 113	2.011	101	209947	105.43	ug/L	98
15) Acetone	2.047	43	126001	91.38	ug/L	100
16) 2-Propanol	2.169	45	632523	2559.80	ug/L	99
17) Iodomethane	2.115	142	364309	140.43	ug/L	98
18) Carbon Disulfide	2.169	76	651495	113.66	ug/L	100
19) Acetonitrile	2.255	40	132238m	550.07	ug/L	
20) Allyl Chloride	2.285	76	136122	109.78	ug/L	91
21) Methyl Acetate	2.310	43	284482	113.71	ug/L	99
22) Methylene Chloride	2.389	84	276796	101.73	ug/L	97
23) TBA	2.517	59	1039900	2482.44	ug/L	99
24) Acrylonitrile	2.602	53	778731	567.73	ug/L	99
25) Methyl-t-Butyl Ether	2.657	73	868603	108.04	ug/L	99
26) trans-1,2-Dichloroethene	2.639	96	254154	105.13	ug/L	98
27) 1,1-Diclethane	3.066	63	477771	110.39	ug/L	100
28) Vinyl Acetate	3.145	86	65688	116.95	ug/L	100
29) DIPE	3.181	45	786501	108.33	ug/L	97
30) 2-Chloro-1,3-Butadiene	3.175	53	337184	115.83	ug/L	99
31) ETBE	3.639	59	758631	106.75	ug/L	99
32) 2,2-Dichloropropane	3.779	77	352772	105.65	ug/L	100
33) cis-1,2-Dichloroethene	3.785	96	293024	105.36	ug/L	100
34) 2-Butanone	3.822	43	192184	109.14	ug/L	97
35) Propionitrile	3.889	54	332649	595.67	ug/L	99
36) Bromochloromethane	4.120	130	198352	101.81	ug/L	98
37) Methacrylonitrile	4.120	67	164467	114.88	ug/L	99
38) Tetrahydrofuran	4.212	42	126257	109.93	ug/L	97
39) Chloroform	4.279	83	458762	105.73	ug/L	98
40) 1,1,1-Trichloroethane	4.547	97	378288	108.79	ug/L	97

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5216.D
Acq On : 26 Mar 2019 3:06 pm
Operator : F.NAEGLER
Sample : 100 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 26 15:31:59 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 15:30:15 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) TAME	5.510	73	776505	109.79	ug/L	98
43) Cyclohexane	4.638	41	188481	98.03	ug/L	98
45) Carbontetrachloride	4.840	117	301420	104.94	ug/L	99
46) 1,1-Dichloropropene	4.846	75	336222	107.79	ug/L	98
48) Benzene	5.218	78	1078027	105.94	ug/L	98
49) 1,2-Dichloroethane	5.254	62	375076	104.16	ug/L	99
50) Iso-Butyl Alcohol	5.272	43	446646	2540.50	ug/L	99
51) n-Heptane	5.803	43	272121	107.64	ug/L	95
52) 1-Butanol	6.382	56	793425	6693.68	ug/L	99
53) Trichloroethene	6.303	130	301941	105.14	ug/L	98
54) Methylcyclohexane	6.565	55	269524	99.52	ug/L	99
55) 1,2-Diclpropane	6.608	63	292708	108.36	ug/L	100
56) Dibromomethane	6.760	93	194496	105.74	ug/L	93
57) 1,4-Dioxane	6.851	88	132647	2454.41	ug/L	95
58) Methyl Methacrylate	6.888	69	265706	115.03	ug/L	98
59) Bromodichloromethane	7.022	83	351457	108.84	ug/L	98
60) 2-Nitropropane	7.333	41	155540	231.24	ug/L	93
61) 2-Chloroethylvinyl Ether	7.485	63	70979	135.55	ug/L	100
62) cis-1,3-Dichloropropene	7.626	75	473868	111.99	ug/L	98
63) 4-Methyl-2-pentanone	7.863	43	363803	118.03	ug/L	99
65) Toluene	8.028	91	1146342	104.48	ug/L	100
66) trans-1,3-Dichloropropene	8.327	75	431488	114.51	ug/L	99
67) Ethyl Methacrylate	8.504	69	460738	119.30	ug/L	98
68) 1,1,2-Trichloroethane	8.528	97	288999	105.04	ug/L	99
71) Tetrachloroethene	8.668	164	220767	92.54	ug/L	97
72) 2-Hexanone	8.869	43	277408	120.23	ug/L	100
73) 1,3-Dichloropropane	8.711	76	498635	106.44	ug/L	98
74) Dibromochloromethane	8.961	129	289911	108.29	ug/L	98
75) N-Butyl Acetate	9.052	43	529257	124.56	ug/L	99
76) 1,2-Dibromoethane	9.058	107	305250	106.57	ug/L	97
77) 3-Chlorobenzotrifluoride	9.650	180	360310	93.71	ug/L	100
78) Chlorobenzene	9.607	112	758711	101.28	ug/L	99
79) 4-Chlorobenzotrifluoride	9.711	180	324659	93.22	ug/L	99
80) 1,1,1,2-Tetrachloroethane	9.705	131	268981	108.31	ug/L	98
81) Ethylbenzene	9.747	106	399146	104.52	ug/L	99
82) (m+p)Xylene	9.869	106	987691	208.60	ug/L	98
83) o-Xylene	10.247	106	490772	105.25	ug/L	100
84) Styrene	10.259	104	856183	108.69	ug/L	98
85) Bromoform	10.406	173	202824	112.29	ug/L	98
86) 2-Chlorobenzotrifluoride	10.509	180	361103	94.08	ug/L	99
87) Isopropylbenzene	10.607	105	1226657	106.22	ug/L	99
88) Cyclohexanone	10.662	55	1433249	2353.25	ug/L	99
89) trans-1,4-Dichloro-2-B...	10.930	53	101709	115.09	ug/L	99
91) 1,1,2,2-Tetrachloroethane	10.881	83	413932	103.03	ug/L	99
92) Bromobenzene	10.845	156	345463	98.90	ug/L	99
93) 1,2,3-Trichloropropane	10.899	110	143329	102.16	ug/L	96
94) n-Propylbenzene	10.979	91	1419518	105.70	ug/L	99
95) 2-Chlorotoluene	11.034	91	866750	103.46	ug/L	100
96) 3-Chlorotoluene	11.088	91	812069	98.92	ug/L	98
97) 4-Chlorotoluene	11.131	91	1009865	104.71	ug/L	99
98) 1,3,5-Trimethylbenzene	11.137	105	1024719	105.52	ug/L	98
99) tert-Butylbenzene	11.418	119	888465	104.54	ug/L	99
100) 1,2,4-Trimethylbenzene	11.460	105	1052665	107.78	ug/L	99
101) 3,4-Dichlorobenzotrifl...	11.527	214	293830	94.33	ug/L	99
102) sec-Butylbenzene	11.607	105	1289620	106.78	ug/L	100
103) p-Isopropyltoluene	11.735	119	1089537	105.10	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5216.D
Acq On : 26 Mar 2019 3:06 pm
Operator : F.NAEGLER
Sample : 100 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 26 15:31:59 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 15:30:15 2019
Response via : Initial Calibration

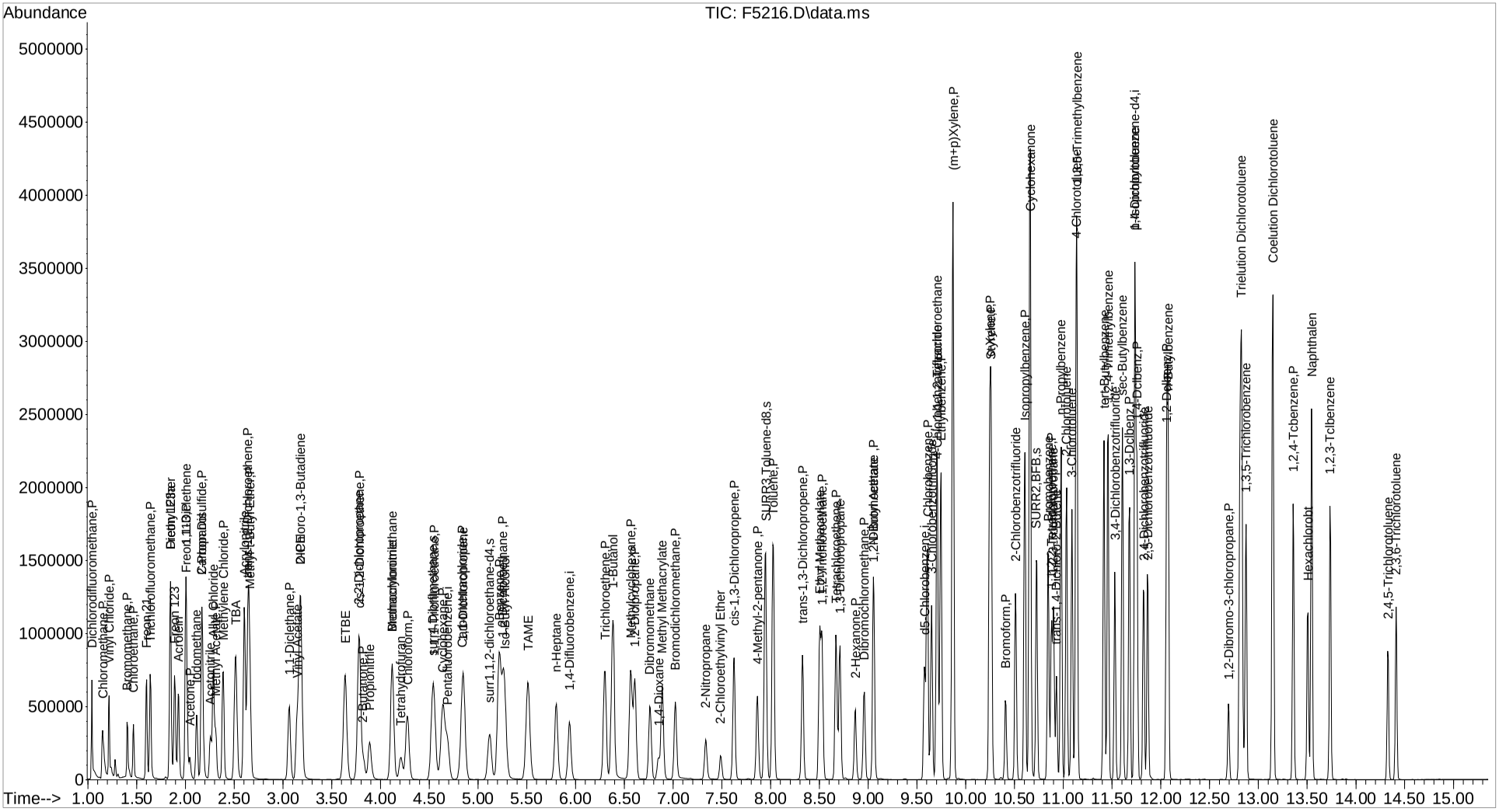
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3-Dclbenz	11.680	146	631395	99.99	ug/L	99
105) 1,4-Dclbenz	11.753	146	648688	97.80	ug/L	99
106) 2,4-Dichlorobenzotrifl...	11.826	214	269170	95.85	ug/L	99
107) 2,5-Dichlorobenzotrifl...	11.869	214	306184	95.19	ug/L	99
108) n-Butylbenzene	12.076	91	965629	110.25	ug/L	98
109) 1,2-Dclbenz	12.058	146	643092	100.55	ug/L	99
110) 1,2-Dibromo-3-chloropr...	12.698	157	115003	120.52	ug/L	91
111) Trielution Dichlorotol...	12.826	125	1473445	319.65	ug/L	99
112) 1,3,5-Trichlorobenzene	12.875	180	423043	100.33	ug/L	99
113) Coelution Dichlorotoluene	13.149	125	1093102	221.05	ug/L	99
114) 1,2,4-Tcbenzene	13.356	180	450540	112.06	ug/L	96
115) Hexachlorobt	13.509	225	180276	94.18	ug/L	99
116) Naphthalen	13.545	128	1449473	133.01	ug/L	100
117) 1,2,3-Tclbenzene	13.734	180	448509	117.17	ug/L	99
118) 2,4,5-Trichlorotoluene	14.326	159	185244	191.37	ug/L	98
119) 2,3,6-Trichlorotoluene	14.411	159	219199	196.51	ug/L	97

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5216.D
Acq On : 26 Mar 2019 3:06 pm
Operator : F.NAEGLER
Sample : 100 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 26 15:31:59 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 15:30:15 2019
Response via : Initial Calibration

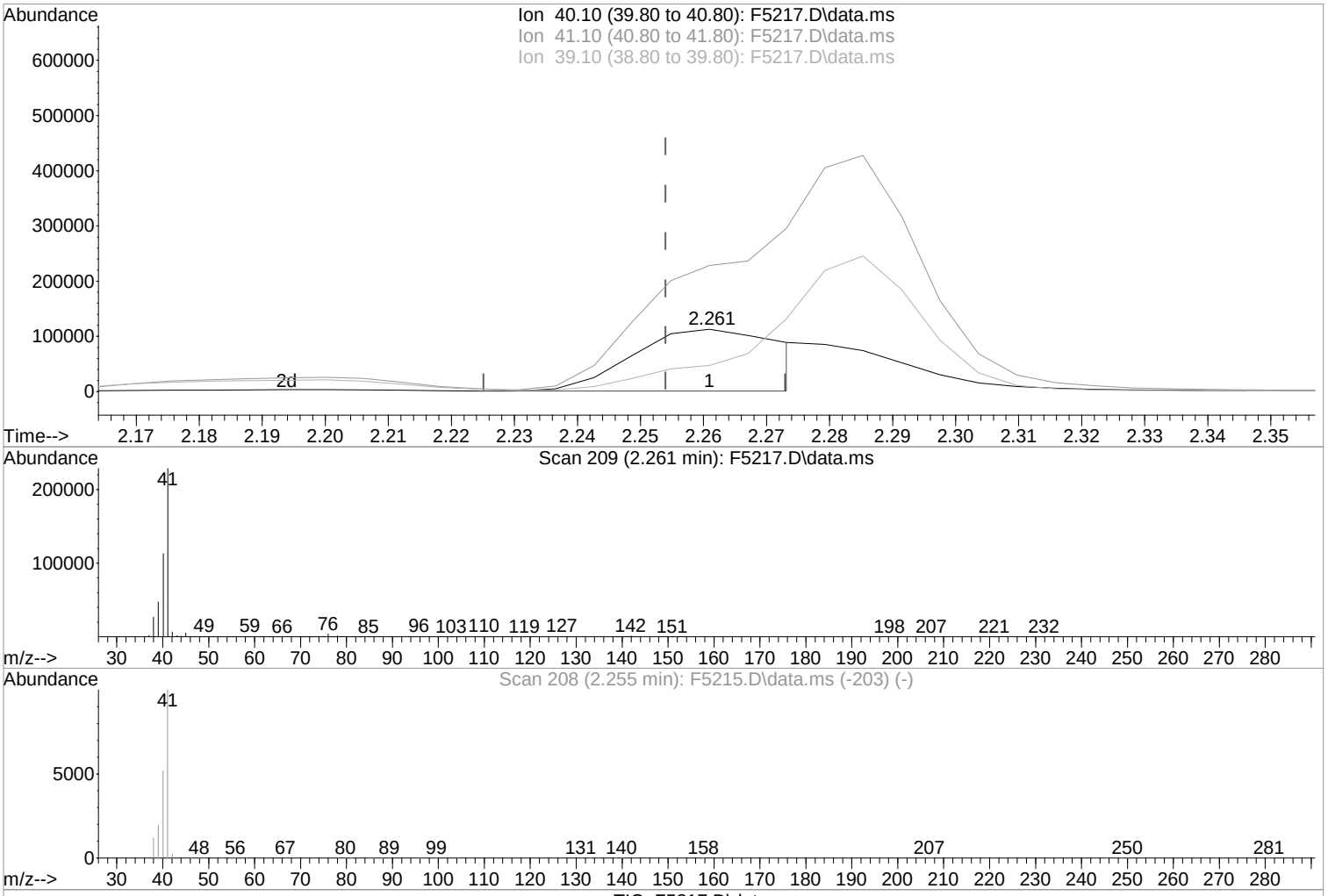


1st 04/01/19
2nd 04/01/19

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5217.D
Acq On : 26 Mar 2019 3:28 pm
Operator : F.NAEGLER
Sample : 150 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 26 15:46:58 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 15:35:41 2019
Response via : Initial Calibration



TIC: F5217.D\data.ms

(19) Acetonitrile

2.261min (+0.007) 706.90 ug/L m

response 182733

Ion	Exp%	Act%
40.10	100	100
41.10	192.60	202.22
39.10	38.20	41.98
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

04/01/19

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5217.D
Acq On : 26 Mar 2019 3:28 pm
Operator : F.NAEGLER
Sample : 150 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 26 15:46:58 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 15:35:41 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.687	168	265318	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	5.937	114	397159	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.577	117	361031	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.735	152	211837	50.00	ug/L	0.00
System Monitoring Compounds						
44) surr4,Dibrflmethane	4.535	113	490944	182.20	ug/L	0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 364.40%#			
47) surr1,1,2-dichloroetha...	5.120	65	572161	180.97	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 361.94%#			
64) SURR3,Toluene-d8	7.949	98	1938282	179.77	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 359.54%#			
69) SURR2,BFB	10.729	95	765754	184.23	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 368.46%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.042	85	479812	157.72	ug/L	98
3) Chloromethane	1.151	50	527211	152.41	ug/L	97
4) Vinyl Chloride	1.218	62	488644	158.63	ug/L	98
5) Bromomethane	1.401	94	184867	85.80	ug/L	98
6) Chloroethane	1.462	64	198029	104.44	ug/L	99
7) Freon 21	1.596	67	741471	172.16	ug/L	100
8) Trichlorofluoromethane	1.633	101	527388	152.01	ug/L	100
9) Diethyl Ether	1.846	59	371635	149.78	ug/L	99
10) Freon 123a	1.846	67	459356	172.23	ug/L	99
11) Freon 123	1.889	83	525439	172.95	ug/L	100
12) Acrolein	1.932	56	536047	788.39	ug/L	99
13) 1,1-Diclethene	1.999	96	334203	152.80	ug/L	98
14) Freon 113	2.005	101	292051	146.50	ug/L	100
15) Acetone	2.048	43	194633	142.18	ug/L	98
16) 2-Propanol	2.200	45	979592	3738.44	ug/L	100
17) Iodomethane	2.115	142	529500	198.84	ug/L	98
18) Carbon Disulfide	2.163	76	969806	170.63	ug/L	99
19) Acetonitrile	2.261	40	182733m	706.90	ug/L	
20) Allyl Chloride	2.285	76	194950	154.39	ug/L #	84
21) Methyl Acetate	2.310	43	419661	157.12	ug/L	99
22) Methylene Chloride	2.383	84	400922	140.33	ug/L	97
23) TBA	2.523	59	1655272	3763.46	ug/L	99
24) Acrylonitrile	2.608	53	1166855	782.72	ug/L	100
25) Methyl-t-Butyl Ether	2.657	73	1305839	156.35	ug/L	100
26) trans-1,2-Dichloroethene	2.639	96	367789	148.97	ug/L	98
27) 1,1-Diclethane	3.066	63	693078	153.66	ug/L	100
28) Vinyl Acetate	3.145	86	101697	180.59	ug/L	96
29) DIPE	3.188	45	1220018	158.59	ug/L	97
30) 2-Chloro-1,3-Butadiene	3.169	53	495734	169.84	ug/L	99
31) ETBE	3.639	59	1199084	165.04	ug/L	98
32) 2,2-Dichloropropane	3.779	77	527194	160.39	ug/L	98
33) cis-1,2-Dichloroethene	3.785	96	432261	152.02	ug/L	98
34) 2-Butanone	3.828	43	295226	152.95	ug/L	96
35) Propionitrile	3.895	54	512214	847.14	ug/L	99
36) Bromochloromethane	4.120	130	291397	148.06	ug/L	99
37) Methacrylonitrile	4.120	67	248097	163.81	ug/L	98
38) Tetrahydrofuran	4.212	42	190192	149.43	ug/L	97
39) Chloroform	4.273	83	672873	150.16	ug/L	99
40) 1,1,1-Trichloroethane	4.547	97	548163	159.18	ug/L	97

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5217.D
Acq On : 26 Mar 2019 3:28 pm
Operator : F.NAEGLER
Sample : 150 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 26 15:46:58 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 15:35:41 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) TAME	5.516	73	1213526	169.61	ug/L	98
43) Cyclohexane	4.639	41	331097	169.79	ug/L	99
45) Carbontetrachloride	4.840	117	430464	157.41	ug/L	98
46) 1,1-Dichloropropene	4.846	75	482029	153.91	ug/L	100
48) Benzene	5.218	78	1573651	151.37	ug/L	99
49) 1,2-Dichloroethane	5.260	62	560063	151.19	ug/L	98
50) Iso-Butyl Alcohol	5.303	43	724061	3791.97	ug/L	97
51) n-Heptane	5.803	43	383833	150.08	ug/L	98
52) 1-Butanol	6.406	56	1282841	10282.63	ug/L	100
53) Trichloroethene	6.297	130	428814	151.16	ug/L	99
54) Methylcyclohexane	6.565	55	476266	177.09	ug/L	96
55) 1,2-Diclpropane	6.608	63	433269	153.70	ug/L	100
56) Dibromomethane	6.760	93	289346	153.58	ug/L	95
57) 1,4-Dioxane	6.858	88	207999	3505.33	ug/L	96
58) Methyl Methacrylate	6.888	69	406250	171.45	ug/L	99
59) Bromodichloromethane	7.022	83	527619	163.52	ug/L	100
60) 2-Nitropropane	7.333	41	248579	368.52	ug/L	97
61) 2-Chloroethylvinyl Ether	7.486	63	118297	226.86	ug/L	98
62) cis-1,3-Dichloropropene	7.626	75	713484	168.64	ug/L	100
63) 4-Methyl-2-pentanone	7.864	43	564538	173.14	ug/L	100
65) Toluene	8.028	91	1672139	150.78	ug/L	100
66) trans-1,3-Dichloropropene	8.327	75	657765	177.59	ug/L	99
67) Ethyl Methacrylate	8.504	69	710481	182.61	ug/L	97
68) 1,1,2-Trichloroethane	8.528	97	427446	152.14	ug/L	98
71) Tetrachloroethene	8.668	164	313204	131.73	ug/L	96
72) 2-Hexanone	8.869	43	438283	171.91	ug/L	98
73) 1,3-Dichloropropane	8.711	76	738217	149.58	ug/L	99
74) Dibromochloromethane	8.961	129	440465	168.41	ug/L	98
75) N-Butyl Acetate	9.052	43	816384	174.71	ug/L	99
76) 1,2-Dibromoethane	9.058	107	464240	158.88	ug/L	98
77) 3-Chlorobenzotrifluoride	9.650	180	582004	161.56	ug/L	99
78) Chlorobenzene	9.607	112	1120523	146.78	ug/L	98
79) 4-Chlorobenzotrifluoride	9.711	180	525140	160.67	ug/L	98
80) 1,1,1,2-Tetrachloroethane	9.705	131	402572	166.98	ug/L	99
81) Ethylbenzene	9.747	106	579086	150.80	ug/L	99
82) (m+p)Xylene	9.869	106	1428265	300.57	ug/L	99
83) o-Xylene	10.247	106	714820	152.32	ug/L	99
84) Styrene	10.259	104	1262639	160.11	ug/L	97
85) Bromoform	10.412	173	320951	191.95	ug/L	99
86) 2-Chlorobenzotrifluoride	10.509	180	594983	164.14	ug/L	100
87) Isopropylbenzene	10.607	105	1779628	154.96	ug/L	100
88) Cyclohexanone	10.662	55	2278202	3545.56	ug/L	99
89) trans-1,4-Dichloro-2-B...	10.930	53	163794	179.83	ug/L	97
91) 1,1,2,2-Tetrachloroethane	10.881	83	661010	149.40	ug/L	100
92) Bromobenzene	10.845	156	513091	138.88	ug/L	98
93) 1,2,3-Trichloropropane	10.900	110	221975	143.97	ug/L	99
94) n-Propylbenzene	10.979	91	2060813	143.67	ug/L	99
95) 2-Chlorotoluene	11.034	91	1277705	140.81	ug/L	99
96) 3-Chlorotoluene	11.088	91	1340399	153.53	ug/L	100
97) 4-Chlorotoluene	11.131	91	1467279	139.89	ug/L	98
98) 1,3,5-Trimethylbenzene	11.137	105	1499851	145.81	ug/L	98
99) tert-Butylbenzene	11.418	119	1301428	146.17	ug/L	98
100) 1,2,4-Trimethylbenzene	11.460	105	1570896	151.66	ug/L	100
101) 3,4-Dichlorobenzotrifl...	11.527	214	484972	157.32	ug/L	99
102) sec-Butylbenzene	11.607	105	1907502	151.10	ug/L	99
103) p-Isopropyltoluene	11.735	119	1619763	150.55	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5217.D
Acq On : 26 Mar 2019 3:28 pm
Operator : F.NAEGLER
Sample : 150 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 26 15:46:58 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 15:35:41 2019
Response via : Initial Calibration

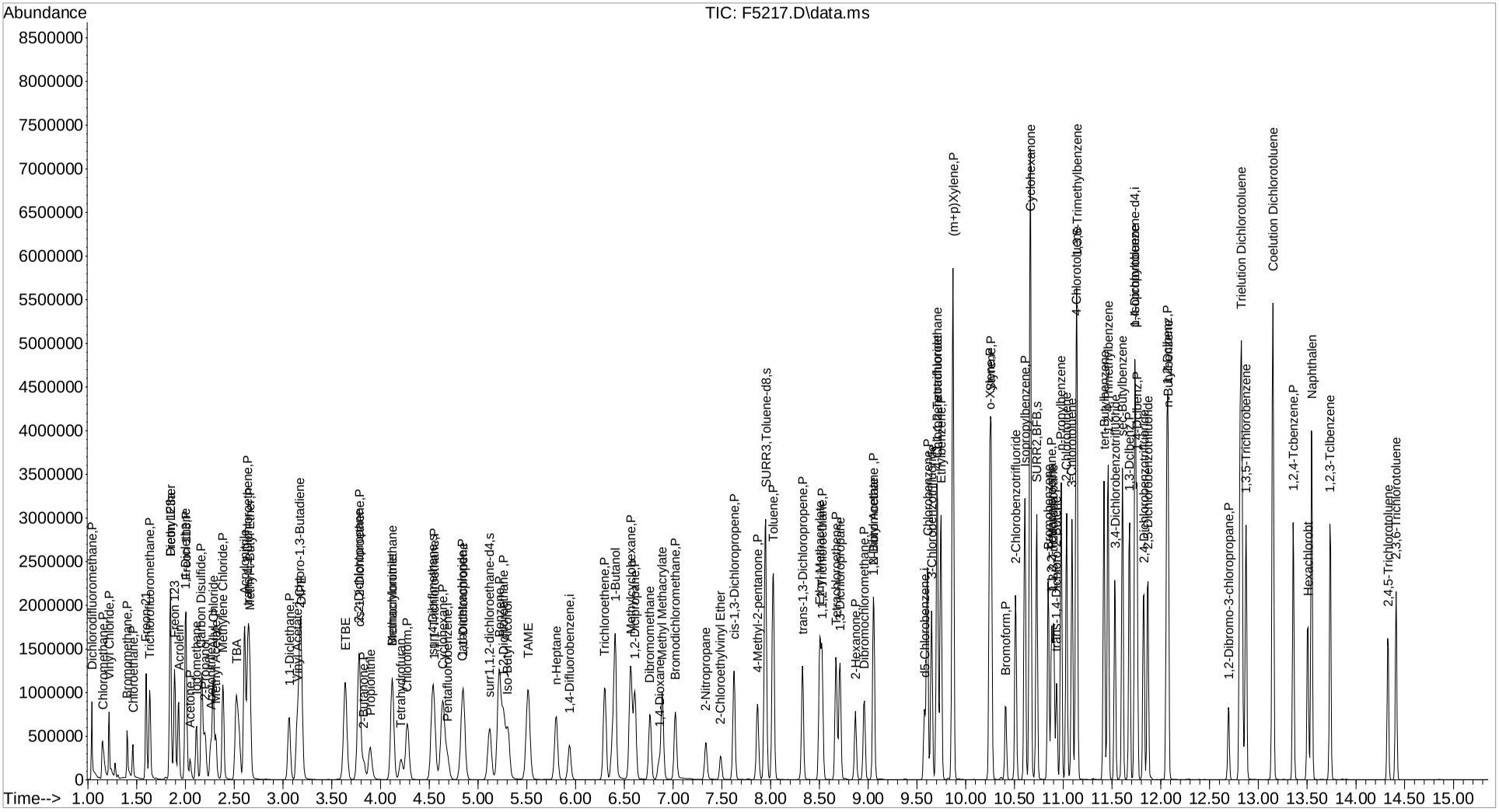
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3-Dclbenz	11.680	146	952200	143.35	ug/L	98
105) 1,4-Dclbenz	11.753	146	977139	138.79	ug/L	99
106) 2,4-Dichlorobenzotrifl...	11.826	214	440511	158.54	ug/L	97
107) 2,5-Dichlorobenzotrifl...	11.869	214	502711	157.77	ug/L	98
108) n-Butylbenzene	12.076	91	1464740	159.60	ug/L	97
109) 1,2-Dclbenz	12.064	146	977009	144.79	ug/L	97
110) 1,2-Dibromo-3-chloropr...	12.698	157	187783	196.64	ug/L	91
111) Trielution Dichlorotol...	12.826	125	2414254	514.97	ug/L	99
112) 1,3,5-Trichlorobenzene	12.875	180	691345	164.28	ug/L	100
113) Coelution Dichlorotoluene	13.149	125	1770125	354.39	ug/L	98
114) 1,2,4-Tcbenzene	13.356	180	699777	175.70	ug/L	98
115) Hexachlorobt	13.509	225	276318	142.45	ug/L	100
116) Naphthalen	13.545	128	2255336	206.79	ug/L	100
117) 1,2,3-Tclbenzene	13.734	180	695754	185.33	ug/L	97
118) 2,4,5-Trichlorotoluene	14.326	159	336732	382.97	ug/L	98
119) 2,3,6-Trichlorotoluene	14.411	159	399393	380.41	ug/L	96

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5217.D
Acq On : 26 Mar 2019 3:28 pm
Operator : F.NAEGLER
Sample : 150 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 26 15:46:58 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 15:35:41 2019
Response via : Initial Calibration



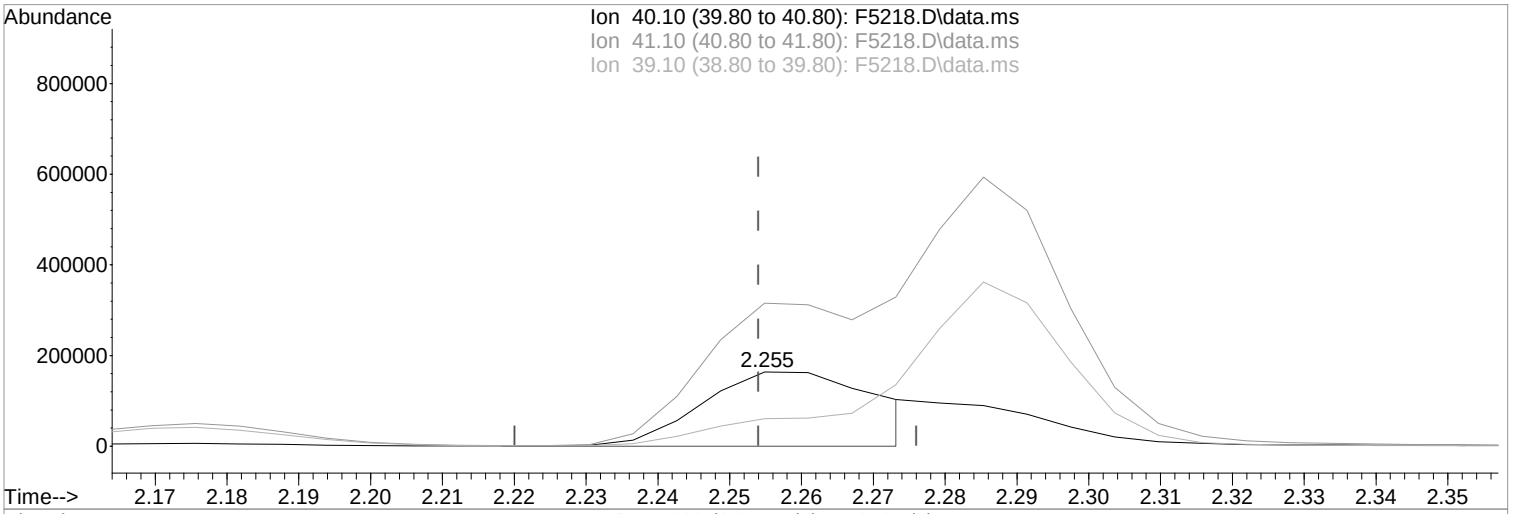
1st 04/01/19
2nd 04/01/19

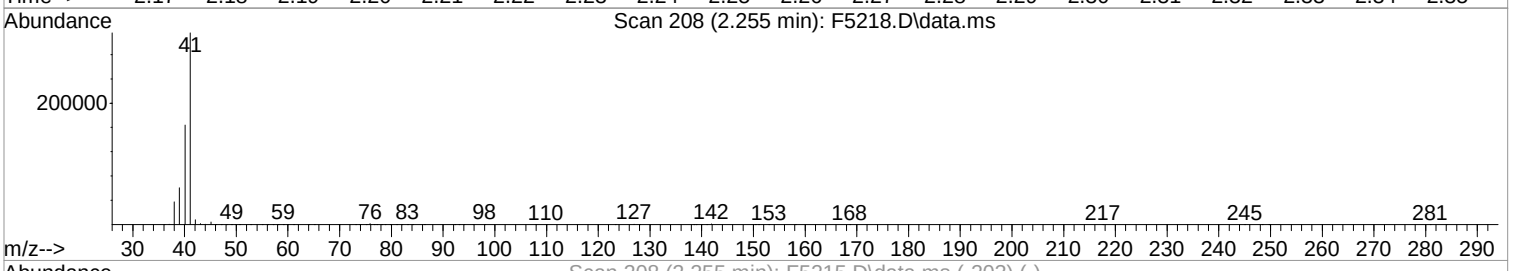
1st FW 04/01/19
2nd 04/01/19

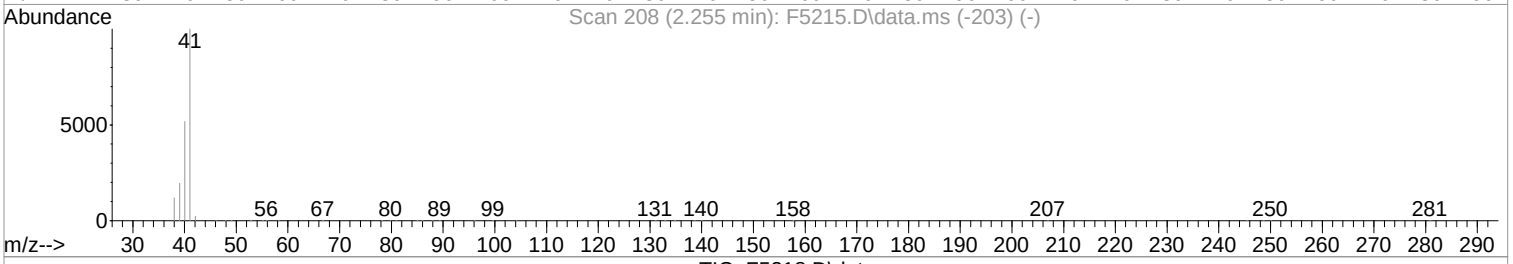
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5218.D
Acq On : 26 Mar 2019 3:50 pm
Operator : F.NAEGLER
Sample : 200 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 26 16:07:17 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 15:47:55 2019
Response via : Initial Calibration







TIC: F5218.D\data.ms

(19) Acetonitrile

2.255min (+0.001) 981.85 ug/L m

response 274564

Ion	Exp%	Act%
40.10	100	100
41.10	192.60	192.73
39.10	38.20	37.11
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

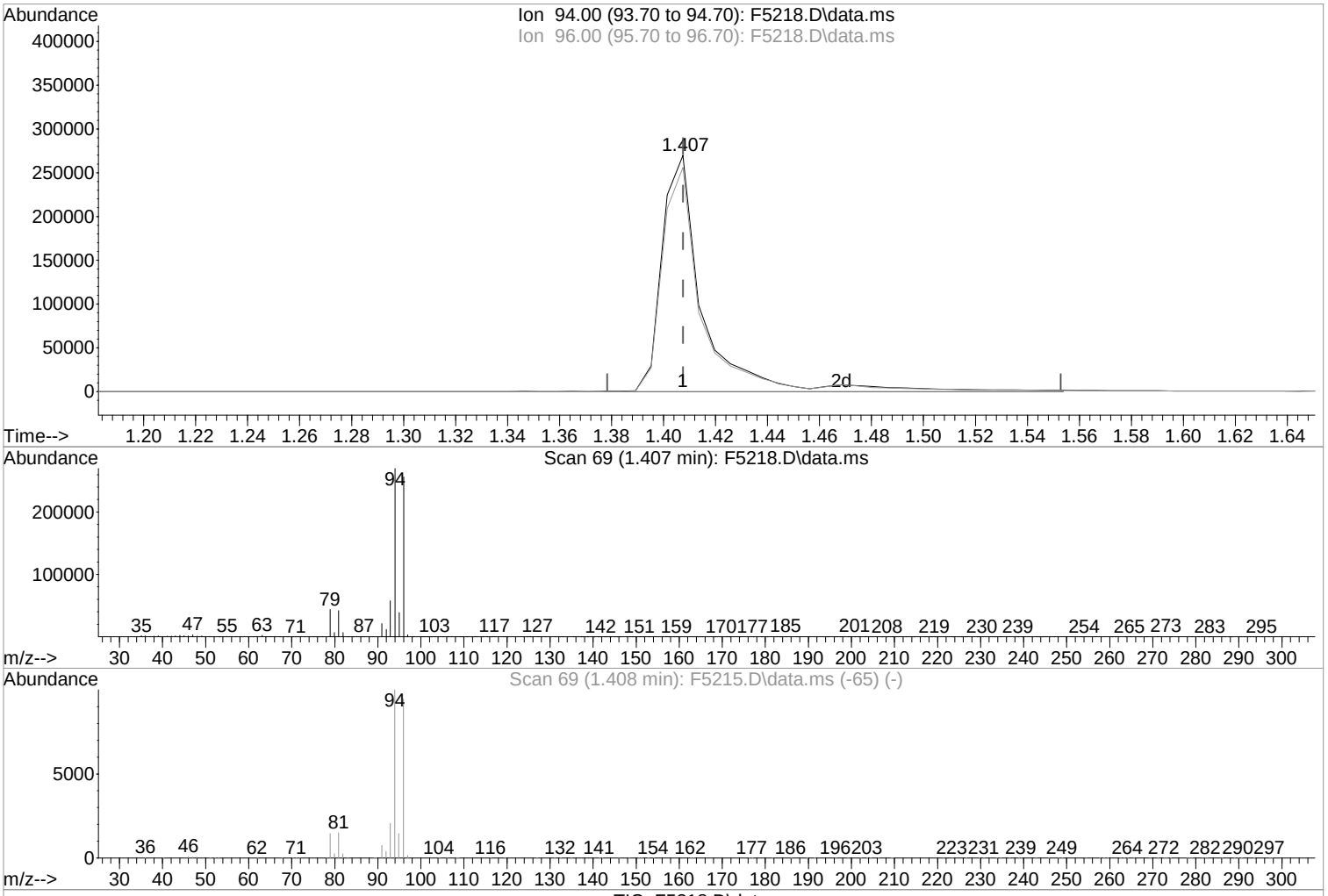
04/01/19

1st FW 04/01/19
2nd 04/01/19

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5218.D
Acq On : 26 Mar 2019 3:50 pm
Operator : F.NAEGLER
Sample : 200 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 26 16:07:17 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 15:47:55 2019
Response via : Initial Calibration



TIC: F5218.D\data.ms

(5) Bromomethane (P)

1.407min (-0.000) 136.99 ug/L m

response 299292

Ion	Exp%	Act%
94.00	100	100
96.00	94.50	94.95
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

04/01/19

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5218.D
Acq On : 26 Mar 2019 3:50 pm
Operator : F.NAEGLER
Sample : 200 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 26 16:07:17 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 15:47:55 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	4.687	168	284250	50.00	ug/L		0.00
42) 1,4-Difluorobenzene	5.937	114	421858	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.577	117	378971	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.735	152	209320	50.00	ug/L		0.00
System Monitoring Compounds							
44) surr4,Dibrflmethane	4.535	113	141208	50.23	ug/L		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 100.46%				
47) surr1,1,2-dichloroetha...	5.120	65	164641	49.98	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 99.96%				
64) SURR3,Toluene-d8	7.949	98	567509	50.58	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 101.16%				
69) SURR2,BFB	10.723	95	222795	51.27	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 102.54%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.042	85	743044	226.52	ug/L		99
3) Chloromethane	1.151	50	768129	206.85	ug/L		98
4) Vinyl Chloride	1.218	62	734363	220.93	ug/L		99
5) Bromomethane	1.407	94	299292m	136.99	ug/L		
6) Chloroethane	1.468	64	421820	215.84	ug/L		99
7) Freon 21	1.603	67	1034961	220.23	ug/L		100
8) Trichlorofluoromethane	1.645	101	821062	220.53	ug/L		97
9) Diethyl Ether	1.846	59	537829	202.37	ug/L		99
10) Freon 123a	1.846	67	645634	221.84	ug/L		100
11) Freon 123	1.889	83	737291	222.27	ug/L		99
12) Acrolein	1.926	56	723064	986.30	ug/L		98
13) 1,1-Diclethene	2.005	96	515736	219.58	ug/L		98
14) Freon 113	2.011	101	467409	219.49	ug/L		99
15) Acetone	2.048	43	264173	188.29	ug/L		99
16) 2-Propanol	2.176	45	1354101	4451.77	ug/L		98
17) Iodomethane	2.115	142	802522	266.82	ug/L		100
18) Carbon Disulfide	2.170	76	1402521	226.43	ug/L		99
19) Acetonitrile	2.255	40	274564m	981.85	ug/L		
20) Allyl Chloride	2.285	76	293882	216.44	ug/L	#	88
21) Methyl Acetate	2.310	43	593306	206.12	ug/L		99
22) Methylene Chloride	2.389	84	589945	194.30	ug/L		99
23) TBA	2.517	59	2271771	4450.04	ug/L		97
24) Acrylonitrile	2.608	53	1636683	1019.19	ug/L		100
25) Methyl-t-Butyl Ether	2.657	73	1877513	208.72	ug/L		100
26) trans-1,2-Dichloroethene	2.639	96	558821	211.45	ug/L		98
27) 1,1-Diclethane	3.066	63	1031781	212.86	ug/L		99
28) Vinyl Acetate	3.145	86	142168	229.78	ug/L		99
29) DIPE	3.188	45	1778659	214.27	ug/L		96
30) 2-Chloro-1,3-Butadiene	3.175	53	702485	220.99	ug/L		99
31) ETBE	3.639	59	1750430	222.09	ug/L		99
32) 2,2-Dichloropropane	3.779	77	807187	227.25	ug/L		98
33) cis-1,2-Dichloroethene	3.785	96	637563	208.94	ug/L		100
34) 2-Butanone	3.828	43	400253	193.08	ug/L		94
35) Propionitrile	3.895	54	703830	1069.21	ug/L		100
36) Bromochloromethane	4.120	130	426081	202.40	ug/L		98
37) Methacrylonitrile	4.126	67	353081	215.13	ug/L		92
38) Tetrahydrofuran	4.212	42	264099	193.77	ug/L		98
39) Chloroform	4.279	83	993641	206.95	ug/L		98
40) 1,1,1-Trichloroethane	4.547	97	848408	228.21	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5218.D
Acq On : 26 Mar 2019 3:50 pm
Operator : F.NAEGLER
Sample : 200 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 26 16:07:17 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 15:47:55 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) TAME	5.516	73	1758862	225.77	ug/L	97
43) Cyclohexane	4.639	41	469878	223.17	ug/L	97
45) Carbontetrachloride	4.840	117	697548	238.66	ug/L	99
46) 1,1-Dichloropropene	4.852	75	753248	225.70	ug/L	99
48) Benzene	5.218	78	2352289	212.78	ug/L	99
49) 1,2-Dichloroethane	5.260	62	809283	205.47	ug/L	99
50) Iso-Butyl Alcohol	5.279	43	988138	4694.92	ug/L	100
51) n-Heptane	5.803	43	624641	229.92	ug/L	96
52) 1-Butanol	6.394	56	1722065	12340.98	ug/L	99
53) Trichloroethene	6.303	130	642615	213.06	ug/L	99
54) Methylcyclohexane	6.565	55	677574	231.95	ug/L	99
55) 1,2-Diclpropane	6.608	63	634570	211.27	ug/L	100
56) Dibromomethane	6.760	93	416437	207.47	ug/L	94
57) 1,4-Dioxane	6.852	88	276504	4283.91	ug/L	97
58) Methyl Methacrylate	6.888	69	581015	226.79	ug/L	99
59) Bromodichloromethane	7.022	83	779733	224.98	ug/L	100
60) 2-Nitropropane	7.339	41	357911	478.28	ug/L	93
61) 2-Chloroethylvinyl Ether	7.486	63	154673	260.20	ug/L	100
62) cis-1,3-Dichloropropene	7.626	75	1043935	228.74	ug/L	98
63) 4-Methyl-2-pentanone	7.864	43	769934	212.97	ug/L	99
65) Toluene	8.028	91	2554521	216.72	ug/L	99
66) trans-1,3-Dichloropropene	8.327	75	967788	240.47	ug/L	99
67) Ethyl Methacrylate	8.504	69	1021672	240.68	ug/L	98
68) 1,1,2-Trichloroethane	8.528	97	618351	206.83	ug/L	97
71) Tetrachloroethene	8.674	164	497904	202.58	ug/L	97
72) 2-Hexanone	8.869	43	592186	216.76	ug/L	99
73) 1,3-Dichloropropane	8.711	76	1061764	205.02	ug/L	99
74) Dibromochloromethane	8.961	129	653402	234.40	ug/L	99
75) N-Butyl Acetate	9.052	43	1157956	230.65	ug/L	100
76) 1,2-Dibromoethane	9.058	107	659973	213.59	ug/L	99
77) 3-Chlorobenzotrifluoride	9.650	180	909466	238.22	ug/L	98
78) Chlorobenzene	9.607	112	1669800	208.94	ug/L	99
79) 4-Chlorobenzotrifluoride	9.711	180	819079	236.63	ug/L	96
80) 1,1,1,2-Tetrachloroethane	9.705	131	607527	236.71	ug/L	99
81) Ethylbenzene	9.747	106	893048	221.41	ug/L	94
82) (m+p)Xylene	9.869	106	2213735	443.71	ug/L	95
83) o-Xylene	10.247	106	1095161	221.89	ug/L	99
84) Styrene	10.259	104	1900659	227.69	ug/L	97
85) Bromoform	10.412	173	475623	261.83	ug/L	99
86) 2-Chlorobenzotrifluoride	10.515	180	909684	236.30	ug/L	97
87) Isopropylbenzene	10.607	105	2838648	234.50	ug/L	99
88) Cyclohexanone	10.662	55	3034109	4248.04	ug/L	99
89) trans-1,4-Dichloro-2-B...	10.930	53	231442	236.20	ug/L	96
91) 1,1,2,2-Tetrachloroethane	10.881	83	935441	214.07	ug/L	100
92) Bromobenzene	10.845	156	755744	208.95	ug/L	96
93) 1,2,3-Trichloropropane	10.900	110	308670	203.63	ug/L	99
94) n-Propylbenzene	10.979	91	3281784	232.76	ug/L	99
95) 2-Chlorotoluene	11.034	91	1957955	220.05	ug/L	98
96) 3-Chlorotoluene	11.088	91	1994152	230.48	ug/L	99
97) 4-Chlorotoluene	11.131	91	2239773	217.94	ug/L	98
98) 1,3,5-Trimethylbenzene	11.143	105	2335848	230.62	ug/L	99
99) tert-Butylbenzene	11.418	119	2022645	230.64	ug/L	98
100) 1,2,4-Trimethylbenzene	11.460	105	2371093	231.35	ug/L	99
101) 3,4-Dichlorobenzotrifl...	11.534	214	719507	234.77	ug/L	98
102) sec-Butylbenzene	11.607	105	2960044	237.08	ug/L	99
103) p-Isopropyltoluene	11.735	119	2494115	234.49	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5218.D
Acq On : 26 Mar 2019 3:50 pm
Operator : F.NAEGLER
Sample : 200 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 26 16:07:17 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 15:47:55 2019
Response via : Initial Calibration

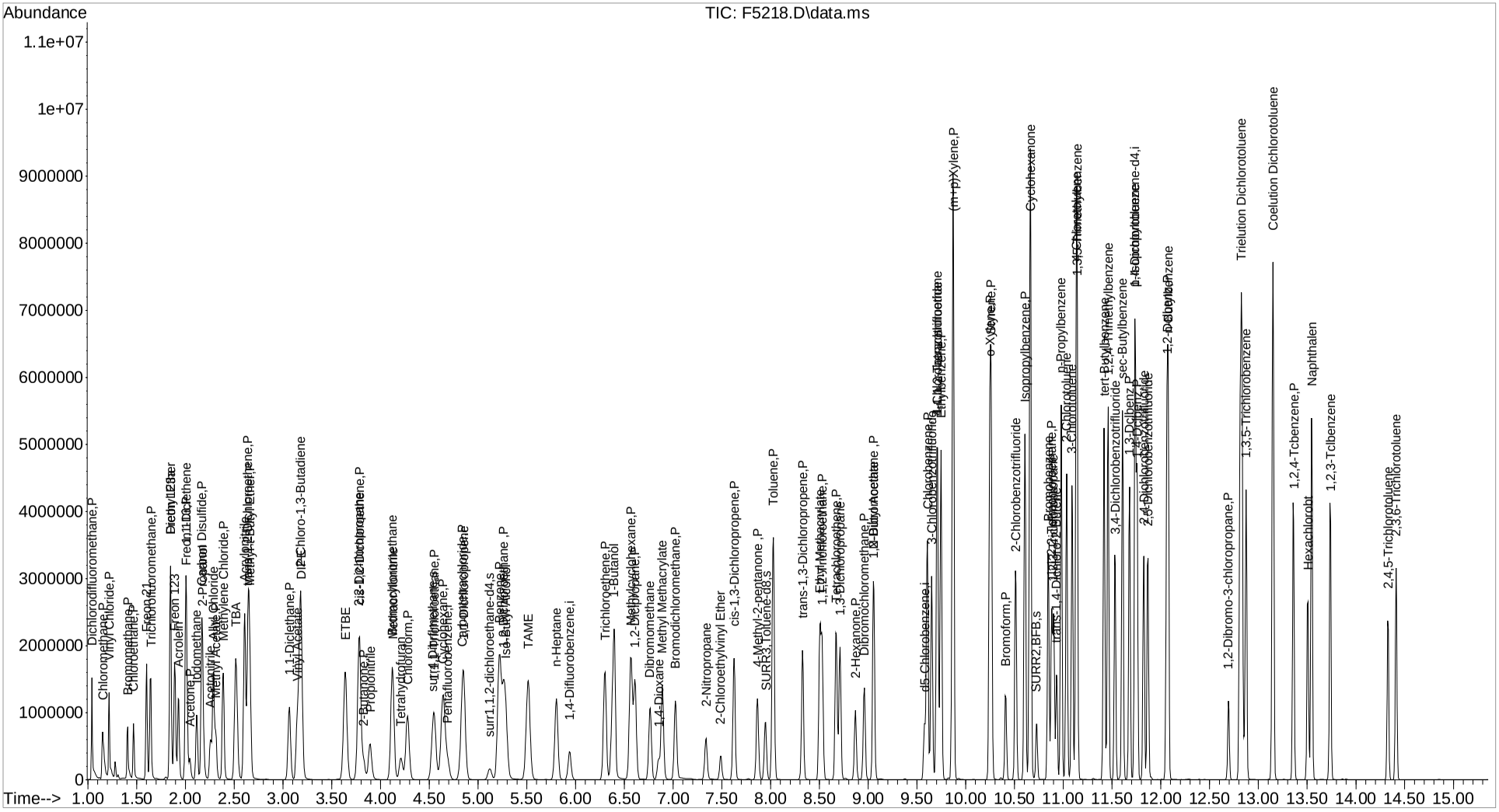
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3-Dclbenz	11.680	146	1397004	214.03	ug/L	98
105) 1,4-Dclbenz	11.759	146	1413277	205.06	ug/L	99
106) 2,4-Dichlorobenzotrifl...	11.826	214	651495	235.61	ug/L	97
107) 2,5-Dichlorobenzotrifl...	11.869	214	750164	236.72	ug/L	97
108) n-Butylbenzene	12.076	91	2256119	242.55	ug/L	98
109) 1,2-Dclbenz	12.064	146	1401300	211.08	ug/L	97
110) 1,2-Dibromo-3-chloropr...	12.692	157	262057	259.79	ug/L	98
111) Trielution Dichlorotol...	12.826	125	3506164	743.46	ug/L	99
112) 1,3,5-Trichlorobenzene	12.875	180	991775	235.69	ug/L	97
113) Coelution Dichlorotoluene	13.149	125	2551339	505.48	ug/L	97
114) 1,2,4-Tcbenzene	13.362	180	1019055	242.86	ug/L	98
115) Hexachlorobt	13.509	225	417897	219.40	ug/L	99
116) Naphthalen	13.545	128	3151337	258.66	ug/L	99
117) 1,2,3-Tclbenzene	13.740	180	1008583	249.52	ug/L	99
118) 2,4,5-Trichlorotoluene	14.326	159	502289	473.15	ug/L	97
119) 2,3,6-Trichlorotoluene	14.411	159	589824	466.24	ug/L	98

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5218.D
Acq On : 26 Mar 2019 3:50 pm
Operator : F.NAEGLER
Sample : 200 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 26 16:07:17 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 15:47:55 2019
Response via : Initial Calibration



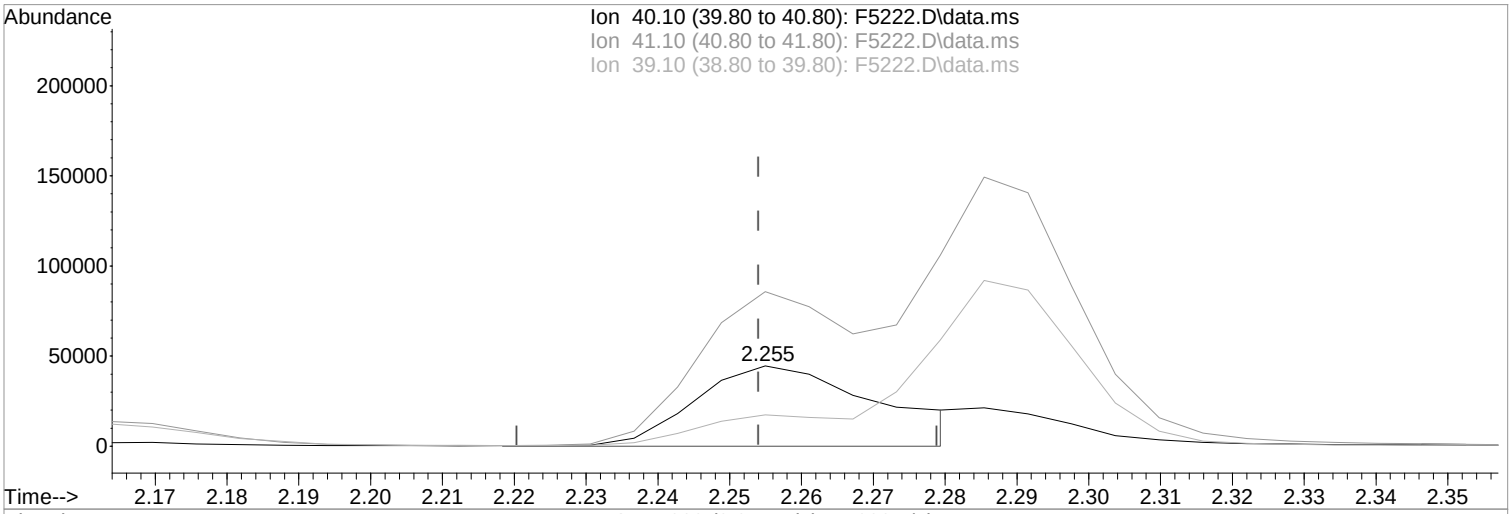
1st FJ 04/01/19
2nd 04/01/19

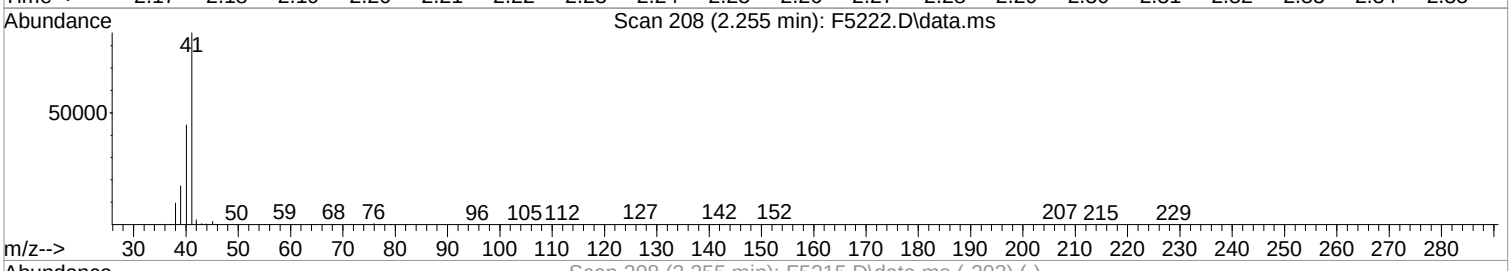
1st FW 04/01/19
2nd 04/01/19

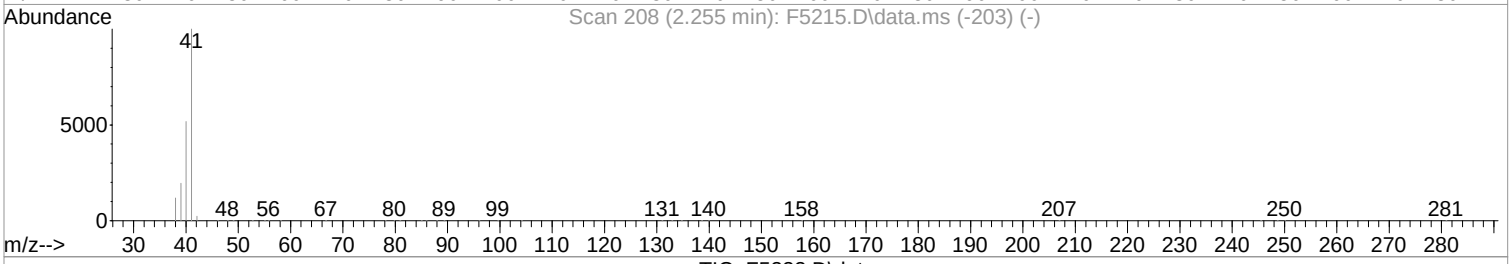
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5222.D
Acq On : 26 Mar 2019 5:20 pm
Operator : F.NAEGLER
Sample : 50 PPB ICV Inst : MSVOA14
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Mar 30 14:51:07 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 16:08:17 2019
Response via : Initial Calibration







TIC: F5222.D\data.ms

(19) Acetonitrile

2.255min (+0.001) 278.75 ug/L m

response 78209

Ion	Exp%	Act%
40.10	100	100
41.10	192.60	192.35
39.10	38.20	38.87
0.00	0.00	0.00

Manual Integration:

After

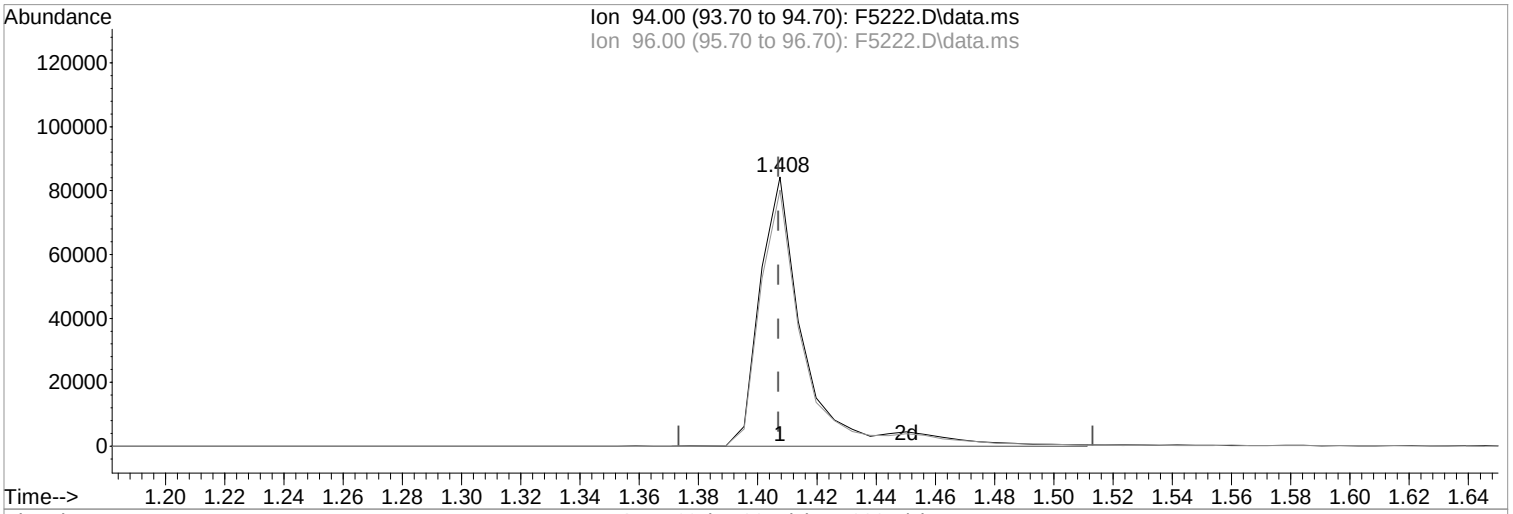
Poor integration.

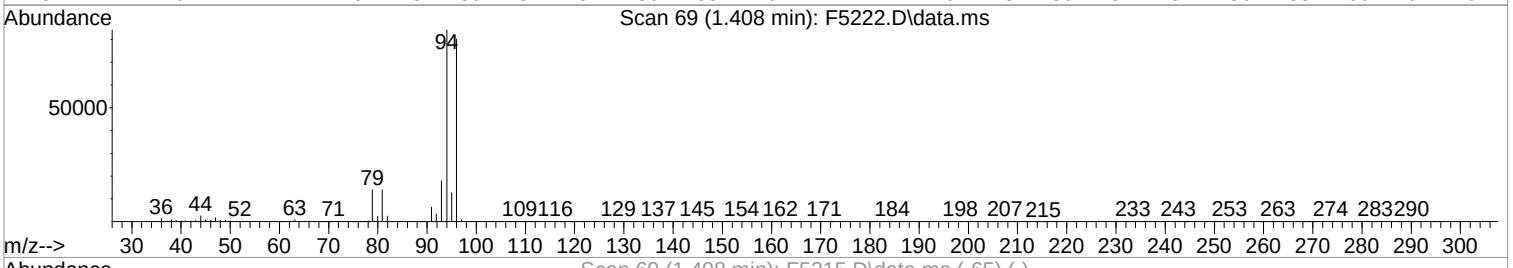
04/01/19

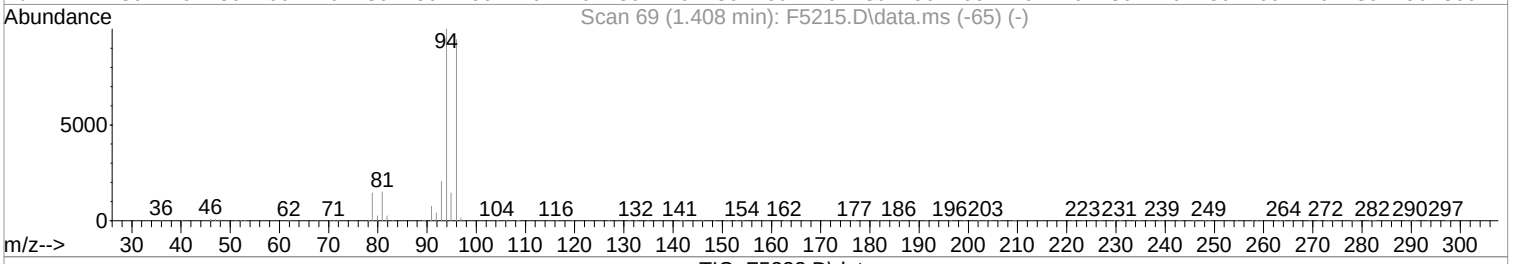
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5222.D
Acq On : 26 Mar 2019 5:20 pm
Operator : F.NAEGLER
Sample : 50 PPB ICV Inst : MSVOA14
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Mar 30 14:51:07 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 16:08:17 2019
Response via : Initial Calibration







TIC: F5222.D\data.ms

(5) Bromomethane (P)

1.408min (+0.001) 46.01 ug/L m

response 87822

Ion	Exp%	Act%
94.00	100	100
96.00	94.50	95.21
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

04/01/19

ALS Group USA, Corp.

DBA ALS Environmetal

QC/QC Report

Date Analyzed: 3/26/19 11:02

ICAL Tune Summary
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\MSVOA14\Data\032619\F5208.D Analytical Method: 8260C/624.1

Instrument ID: R-MS-14

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Results Pass/Fail
50	95	15	40	17.6	23237	PASS
75	95	30	60	47.4	62467	PASS
95	95	100	100	100.0	131880	PASS
96	95	5	9	6.7	8865	PASS
173	174	0	2	0.7	755	PASS
174	95	50	120	85.5	112733	PASS
175	174	5	9	7.3	8187	PASS
176	174	95	101	95.7	107848	PASS
177	176	5	9	6.9	7451	PASS

Sample Name	Lab Code	File ID:	Date Analyzes:	Q
ICAL BLK	ICAL BLK	I:\ACQUDATA\MSVOA14\DATA\032619\F5209.D	3/26/19 11:47	
0.5 PPB STD	0.5 PPB STD	I:\ACQUDATA\MSVOA14\DATA\032619\F5210.D	3/26/19 12:53	
1.0 PPB STD	1.0 PPB STD	I:\ACQUDATA\MSVOA14\DATA\032619\F5211.D	3/26/19 13:15	
2.0 PPB STD	2.0 PPB STD	I:\ACQUDATA\MSVOA14\DATA\032619\F5212.D	3/26/19 13:37	
5.0 PPB STD	5.0 PPB STD	I:\ACQUDATA\MSVOA14\DATA\032619\F5213.D	3/26/19 13:59	
20 PPB STD	20 PPB STD	I:\ACQUDATA\MSVOA14\DATA\032619\F5214.D	3/26/19 14:21	
50 PPB STD	50 PPB STD	I:\ACQUDATA\MSVOA14\DATA\032619\F5215.D	3/26/19 14:44	
100 PPB STD	100 PPB STD	I:\ACQUDATA\MSVOA14\DATA\032619\F5216.D	3/26/19 15:06	
150 PPB STD	150 PPB STD	I:\ACQUDATA\MSVOA14\DATA\032619\F5217.D	3/26/19 15:28	
200 PPB STD	200 PPB STD	I:\ACQUDATA\MSVOA14\DATA\032619\F5218.D	3/26/19 15:50	
50 PPB ICV	50 PPB ICV	I:\ACQUDATA\MSVOA14\DATA\032619\F5222.D	3/26/19 17:20	

Analysis: 8260/624 | Analyst: F. Nagler | pH strips: — | Tune Method: W032619.M

Date: 3/26/19 | Balance ID: — | ResCl strips: — | Run Method: ↓

Instr. MS #14 | 50 mL Class A used for dilution FV | Syringes: 190697 / 77958 | LIMS Run# : —

Data Path: j:\acqudata\msvoa(InstID)\(Date)

Pos.	Sample	Diln.	Diln. Prep./	RL	Tier	Vial	pH	File#	OK?	Comments
1	BLK							F5206	Y	
2	BLK							07	Y	
3	TUNE							08	Y	
1	ICAL BLK							09	Y	
2	0.5 ppb std							10	Y	
3	1.0							11	Y	
4	2.0							12	Y	
5	5.0							13	Y	
6	20							14	Y	
7	50							15	Y	
8	100							16	Y	
9	150							17	Y	
10	200							18	Y	
11	BLK							19	Y	
12	↓							20	Y	
13								21	Y	
14	50 ppb ICV							22	Y	
11	BLK							23	Y	
12	↓							↓ 24	Y	

WATER ICAL TABLE

CONC (PPB)	0.5	1.0	2.0	5.0	20	50	100	150	200
1° T/G = 197760	10mL/1mL 5mL/5mL	10mL/5mL	20mL/5mL	50mL/5mL	2mL/5mL	5mL/5mL	10mL/5mL	15mL/5mL	20mL/5mL
1° HSL = 197761	↓	↓	↓	↓	↓	↓	↓	↓	↓
1° Fr = 197789	↓	↓	↓	↓	↓	↓	↓	↓	↓
1° OCC = 197917	↓	↓	↓	↓	↓	↓	↓	↓	↓

All samples = 5 mL + 5 uL combined IS/Surr. 5 mL purged

Combined IS/Surr — : —

Primary SEE TABLE ABOVE

Primary : ↓

Primary :

Primary :

Primary :

Fr Secondary 200 : 197869 - 125mL

T/G Secondary 50 : 197372 - 5mL

HSL Secondary ↓ : 197717 - ↓

OCC Secondary ↓ : 195846 - ↓

5mL (ICV)

Secondary :

Surrogate 50 : 197705

Internal Std 50 : 197706

Reagents:

Analysis: V 8260C | Analyst: D. Ligans | pH strips: Hyd. 204018 | Tune Method: W041819.M → W043019.M

Date: 04/30/19 | Balance ID: — | ResCl strips: — | Run Method: ↓

Instr. MS#10 | 50 mL Class A used for dilution FV | Syringes: 181117 | LIMS Run#: — ICAL —

Data Path: j:\acqudata\msvoa(InstID)\(Date)

Pos.	Sample	Diln.	Diln. Prep./	RL	Tier	Vial	pH	File#	OK?	Comments
1	High Gases		(switched to fil#1)					E0677	Y	
2-3	Blks							↓ 78	Y	– 79
4	Tune Check		(Run as a Blk)					~~S~~ 79	Y →	E0680
5	CCV							E0681	N	– gases too high
6	Blk		(switched back to fil#2)					82	O.K.	
7	Tune Check							83	Y	
8	CCV							84	(N)	– gases ↓.
9	Blk		→ recalibrate					85	Y	
10	Tune Check							86	(N)	– tune good but wrong ".U" used
11	Tune Check		using T043018.U					87	Y	
12	Inst Blk							88	Y	
13	Inst Blk							↓ 89	Y	
		"Mini"	1°TG 1°HSL 1°Fr+ 1°OCC	Final	Surr Added					
		5.0 PPM	500 500 500 500	Vol.	by Atomx					
14	STD#1 - 0.5 ppb	5.0 µl	– – – –	50mL		1.0 µl		E0690	Y	
15	#2 - 1.0 ppb	10 µl	– – – –			1.0 µl		91	Y	
16	#3 - 2.0 ppb	20 µl	– – – –			1.0 µl		92	Y	
17	#4 - 5.0 ppb	50 µl	– – – –			1.0 µl		93	Y	
18	#5 - 20 ppb	–	2.0 µl →			2.0 µl		94	Y	
19	#6 - 50 ppb	–	5.0 µl →			5.0 µl		95	Y	
20	#7 - 100 ppb	–	10 µl →			10 µl		96	Y	
21	#8 - 150 ppb	–				20 µl		97	Y	
22	#9 - 200 ppb	–						↓ 98	Y	
23	Blk							99	N	
24	Blk							E0700	N	
25	Blk							01	O.K.	
26	ICV-50							02	Y	
27-36	Blks							↓ 03	– 12 Y	
	EOD	DL 4/30/19								

All samples = 5.0 mL + 5.0 uL combined IS/Surr. 5.0 mL purged

Primary TG : 198694 5.0µl
Primary HSL : 198696
Primary OCC : 197917
Primary Fr+ : 198619 ↓
Primary :

50mL DI = CCV

also 10µl / 1.0mL each / MeOH = "Mini 5.0"

Secondary TG : 198847 5.0µl
Secondary HSL : 198593 ↓
Secondary OCC : 198044 ↓
Secondary Fr+ : 198689 12.5µl
Secondary :

50mL DI = ICV 50

Combined IS/Surr : —
Surrogate 50 : 198348
Internal Std 50 : 198349
Reagents:

ALS Group USA, Corp.

DBA ALS Environmetal

QC/QC Report

Date Analyzed: 4/30/19 12:48

ICAL Tune Summary
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\MSVOA10\DATA\043019\E0687.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	24.3	31068	PASS
75	95	30	60	52.9	67784	PASS
95	95	100	100	100.0	128045	PASS
96	95	5	9	6.4	8131	PASS
173	174	0	2	1.9	1857	PASS
174	95	50	120	77.7	99512	PASS
175	174	5	9	8.2	8169	PASS
176	174	95	101	95.9	95475	PASS
177	176	5	9	6.2	5885	PASS

Sample Name	Lab Code	File ID:	Date Analyzes:	Q
INST BLK	INST BLK	I:\ACQUDATA\msvoa10\data\043019\E0689.D	4/30/19 13:38	
STD #1-0.5 PPB	STD #1-0.5 PPB	I:\ACQUDATA\msvoa10\data\043019\E0690.D	4/30/19 14:12	
STD #2-1.0 PPB	STD #2-1.0 PPB	I:\ACQUDATA\msvoa10\data\043019\E0691.D	4/30/19 14:50	
STD #3-2.0 PPB	STD #3-2.0 PPB	I:\ACQUDATA\msvoa10\data\043019\E0692.D	4/30/19 15:12	
STD #4-5.0 PPB	STD #4-5.0 PPB	I:\ACQUDATA\msvoa10\data\043019\E0693.D	4/30/19 15:34	
STD #5-20 PPB	STD #5-20 PPB	I:\ACQUDATA\msvoa10\data\043019\E0694.D	4/30/19 15:56	
STD #6-50 PPB	STD #6-50 PPB	I:\ACQUDATA\msvoa10\data\043019\E0695.D	4/30/19 16:18	
STD #7-100 PPB	STD #7-100 PPB	I:\ACQUDATA\msvoa10\data\043019\E0696.D	4/30/19 16:40	
STD #8-150 PPB	STD #8-150 PPB	I:\ACQUDATA\msvoa10\data\043019\E0697.D	4/30/19 17:02	
STD #9-200 PPB	STD #9-200 PPB	I:\ACQUDATA\msvoa10\data\043019\E0698.D	4/30/19 17:24	
ICV-50	ICV-50	I:\ACQUDATA\msvoa10\data\043019\E0702.D	4/30/19 18:53	

ALS Group USA, Corp.

DBA ALS Environmetal

QC/QC Report

Date Analyzed: 5/1/19 11:52

ICAL Tune Summary
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\MSVOA12\DATA\050119\P26230.D Analytical Method: 8260C/624.1

Instrument ID: R-MS-12

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Results Pass/Fail
50	95	15	40	16.3	26848	PASS
75	95	30	60	45.7	75117	PASS
95	95	100	100	100.0	164480	PASS
96	95	5	9	6.6	10785	PASS
173	174	0	2	0.7	1008	PASS
174	95	50	120	88.7	145941	PASS
175	174	5	9	7.8	11347	PASS
176	174	95	101	97.1	141664	PASS
177	176	5	9	6.3	8867	PASS

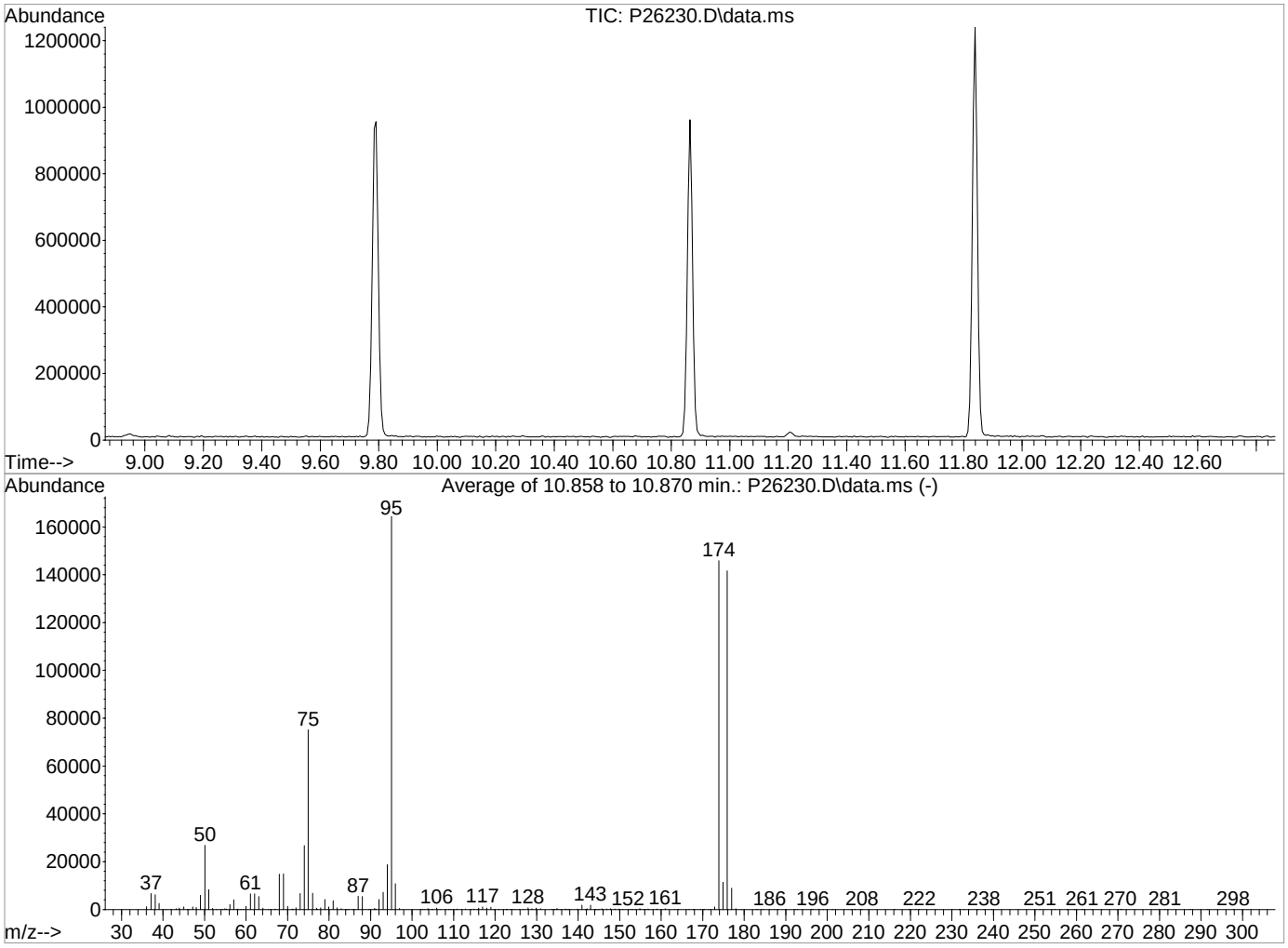
Sample Name	Lab Code	File ID:	Date Analyzes:	Q
IBLK	IBLK	I:\ACQUDATA\msvoa12\Data\050119\P26231.D	5/1/19 12:14	
0.5ppb	0.5ppb	I:\ACQUDATA\M5VOA12\DATA\050119\P26232.D	5/1/19 12:47	
1.0ppb	1.0ppb	I:\ACQUDATA\msvoa12\Data\050119\P26233.D	5/1/19 13:08	
2.0ppb	2.0ppb	I:\ACQUDATA\M5VOA12\DATA\050119\P26234.D	5/1/19 13:30	
5.0ppb	5.0ppb	I:\ACQUDATA\msvoa12\Data\050119\P26235.D	5/1/19 13:52	
20ppb	20ppb	I:\ACQUDATA\msvoa12\Data\050119\P26236.D	5/1/19 14:14	
50ppb	50ppb	I:\ACQUDATA\msvoa12\Data\050119\P26237.D	5/1/19 14:36	
100ppb	100ppb	I:\ACQUDATA\msvoa12\Data\050119\P26238.D	5/1/19 14:58	
150ppb	150ppb	I:\ACQUDATA\msvoa12\Data\050119\P26239.D	5/1/19 15:20	
200ppb	200ppb	I:\ACQUDATA\MSVOA12\DATA\050119\P26240.D	5/1/19 15:42	
ICV50	ICV50	I:\ACQUDATA\msvoa12\Data\050119\P26245.D	5/1/19 17:31	

1st 05/01/19
2nd 05/02/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26230.D
Acq On : 1 May 2019 11:52 am
Operator : K.Ruest
Sample : TUNE Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File: INTP90.P

Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Title : MS#12 - 8260B WATERS 10mL Purge
Last Update : Wed May 01 09:40:20 2019



AutoFind: Scans 1601, 1602, 1603; Background Corrected with Scan 1591

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.3	26848	PASS
75	95	30	60	45.7	75117	PASS
95	95	100	100	100.0	164480	PASS
96	95	5	9	6.6	10785	PASS
173	174	0.00	2	0.7	1008	PASS
174	95	50	120	88.7	145941	PASS
175	174	5	9	7.8	11347	PASS
176	174	95	101	97.1	141664	PASS
177	176	5	9	6.3	8867	PASS

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26231.D
Acq On : 1 May 2019 12:14 pm
Operator : K.Ruest
Sample : IBLK Inst : MSVOA-12
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 02 11:53:15 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu May 02 11:39:03 2019
Response via : Initial Calibration

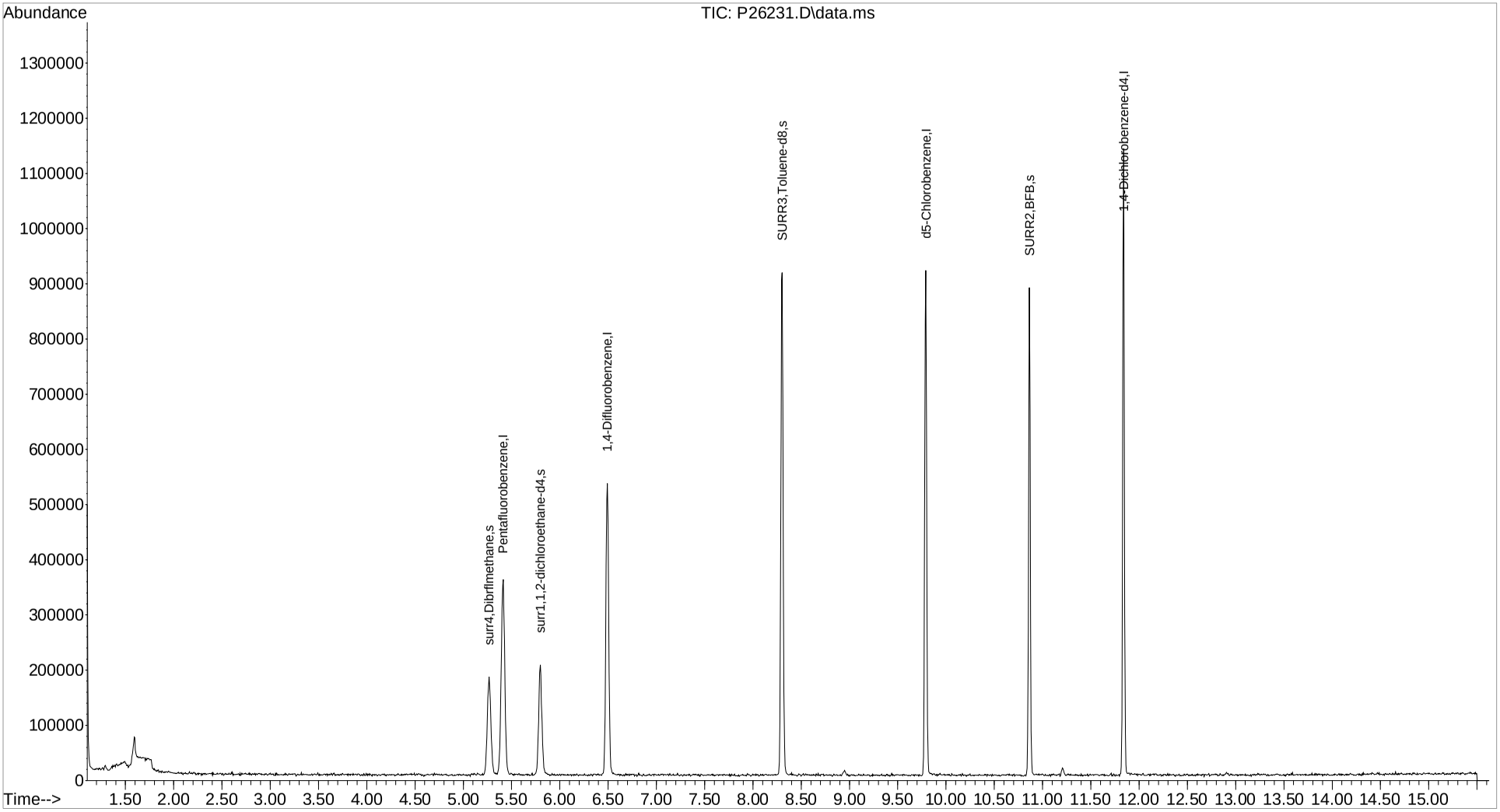
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.407	168	340940	50.00	ppb	0.00
43) 1,4-Difluorobenzene	6.493	114	493787	50.00	ppb	0.00
71) d5-Chlorobenzene	9.791	117	429733	50.00	ppb	0.00
86) 1,4-Dichlorobenzene-d4	11.839	152	232229	50.00	ppb	0.00
System Monitoring Compounds						
45) surr4,Dibrflmethane	5.267	113	142752	50.28	ppb	0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 100.56%			
48) surr1,1,2-dichloroetha...	5.798	65	164648	53.16	ppb	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 106.32%			
65) SURR3,Toluene-d8	8.303	98	595399	50.52	ppb	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 101.04%			
70) SURR2,BFB	10.864	95	220144	47.80	ppb	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 95.60%			
Target Compounds						Qvalue
15) Acetone	2.384	43	430	Below Cal		# 23

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26231.D
Acq On : 1 May 2019 12:14 pm
Operator : K.Ruest
Sample : IBLK Inst : MSVOA-12
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 02 11:53:15 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu May 02 11:39:03 2019
Response via : Initial Calibration



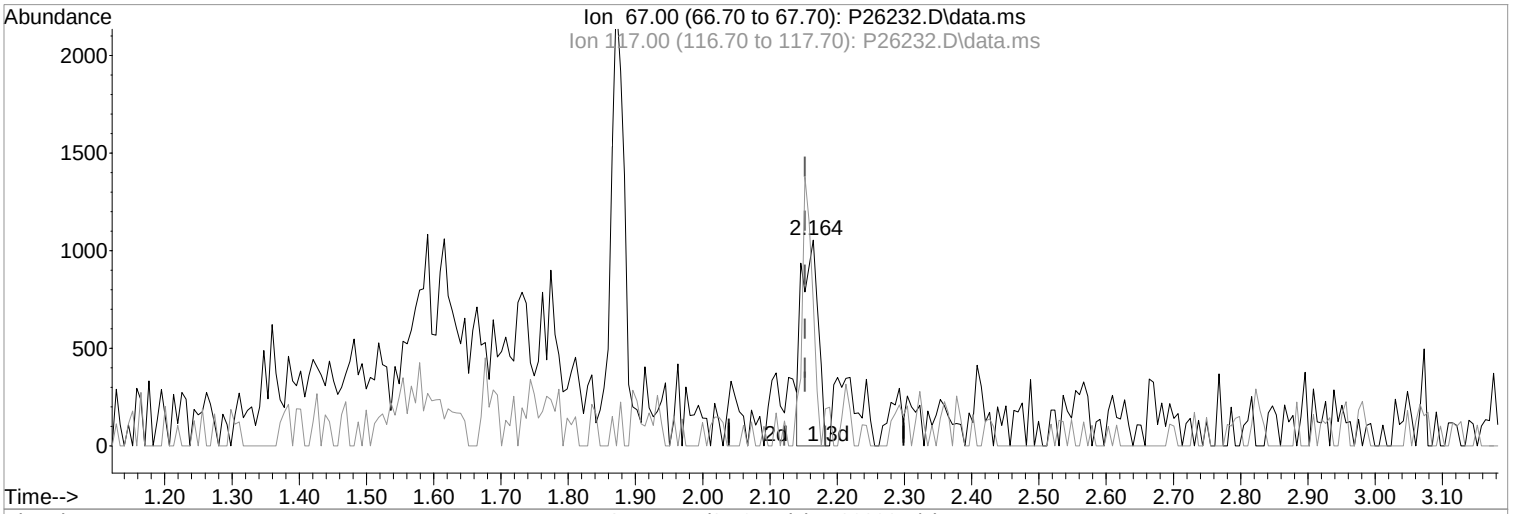
1st 05/02/19
2nd 05/02/19

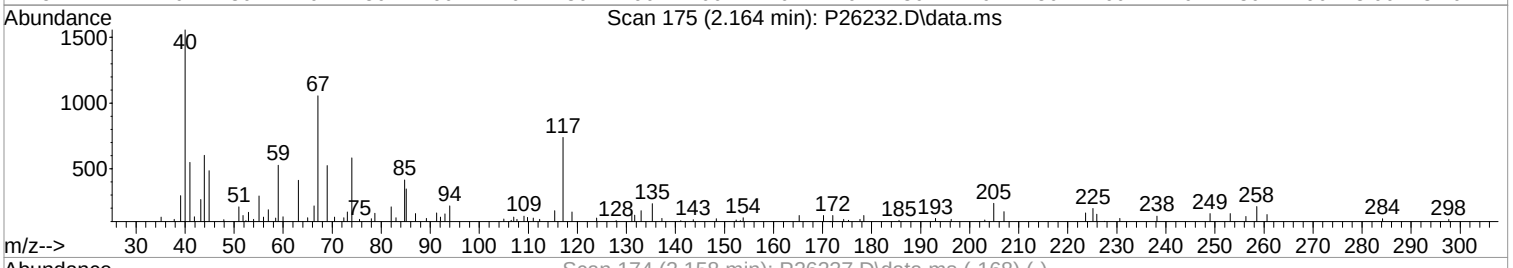
1st 05/01/19
2nd 05/02/19

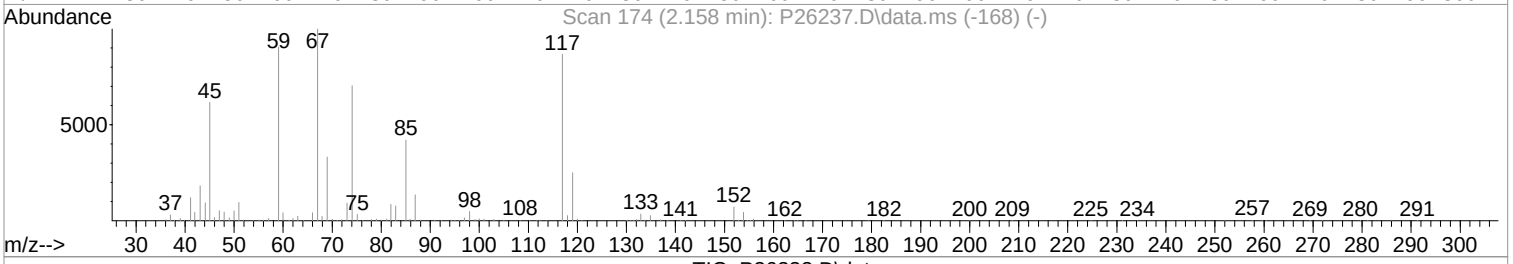
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26232.D\data.ms

(10) Freon 123a

2.164min (+0.012) 0.52 ppb m

response 1774

Ion	Exp%	Act%
67.00	100	100
117.00	87.10	70.05
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

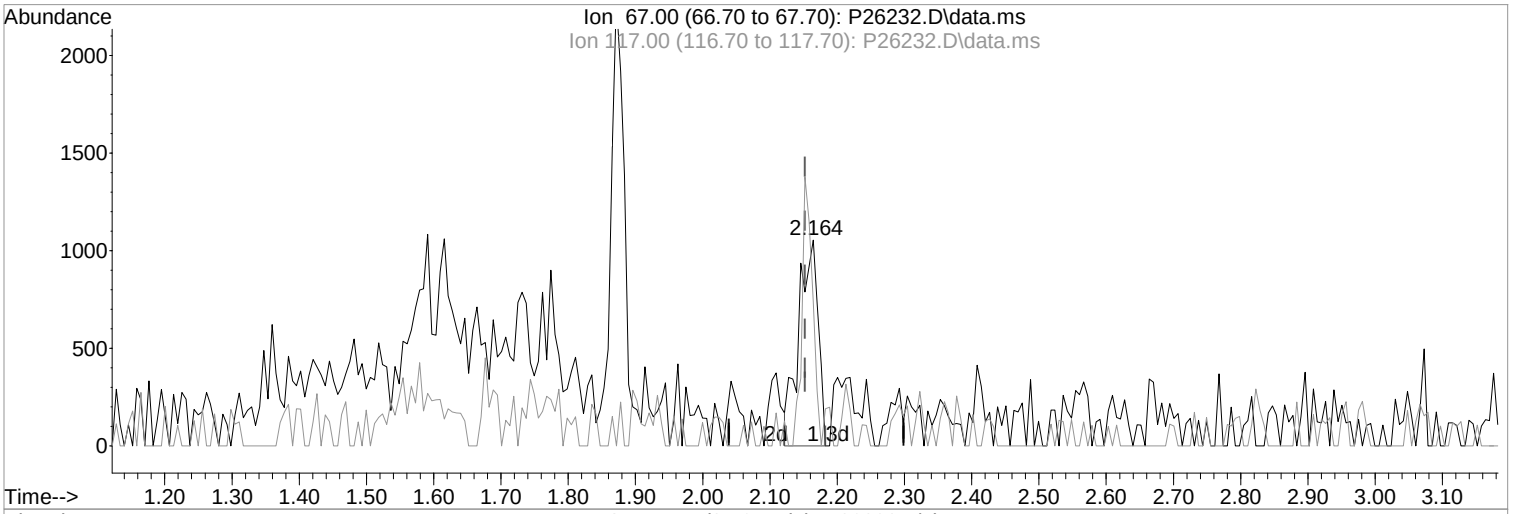
05/01/19

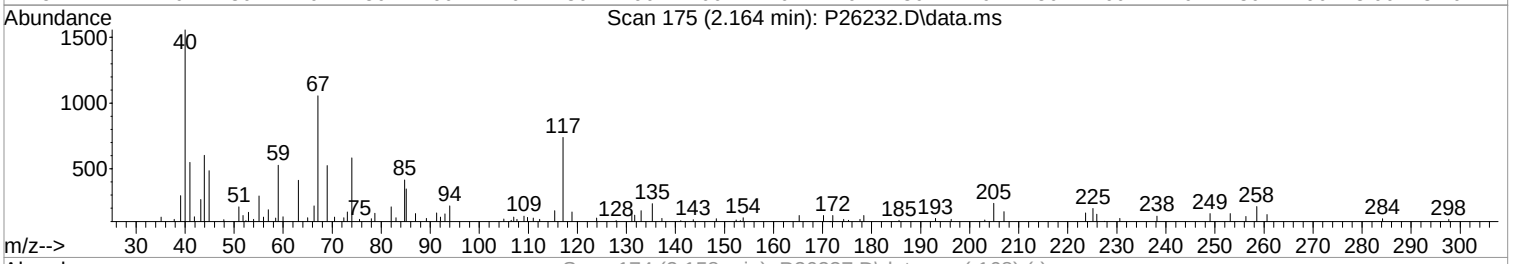
1st 05/01/19
2nd 05/02/19

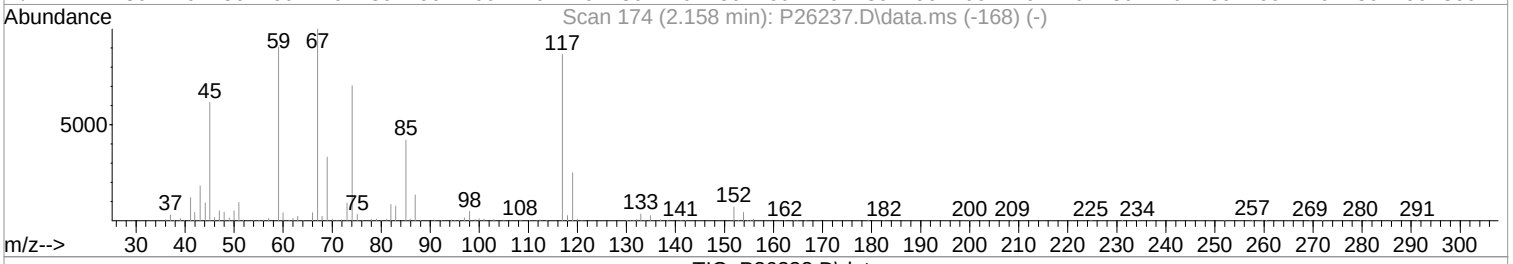
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26232.D\data.ms

(10) Freon 123a

2.164min (+0.012) 0.63 ppb

response 2129

Ion	Exp%	Act%
67.00	100	100
117.00	87.10	70.05
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

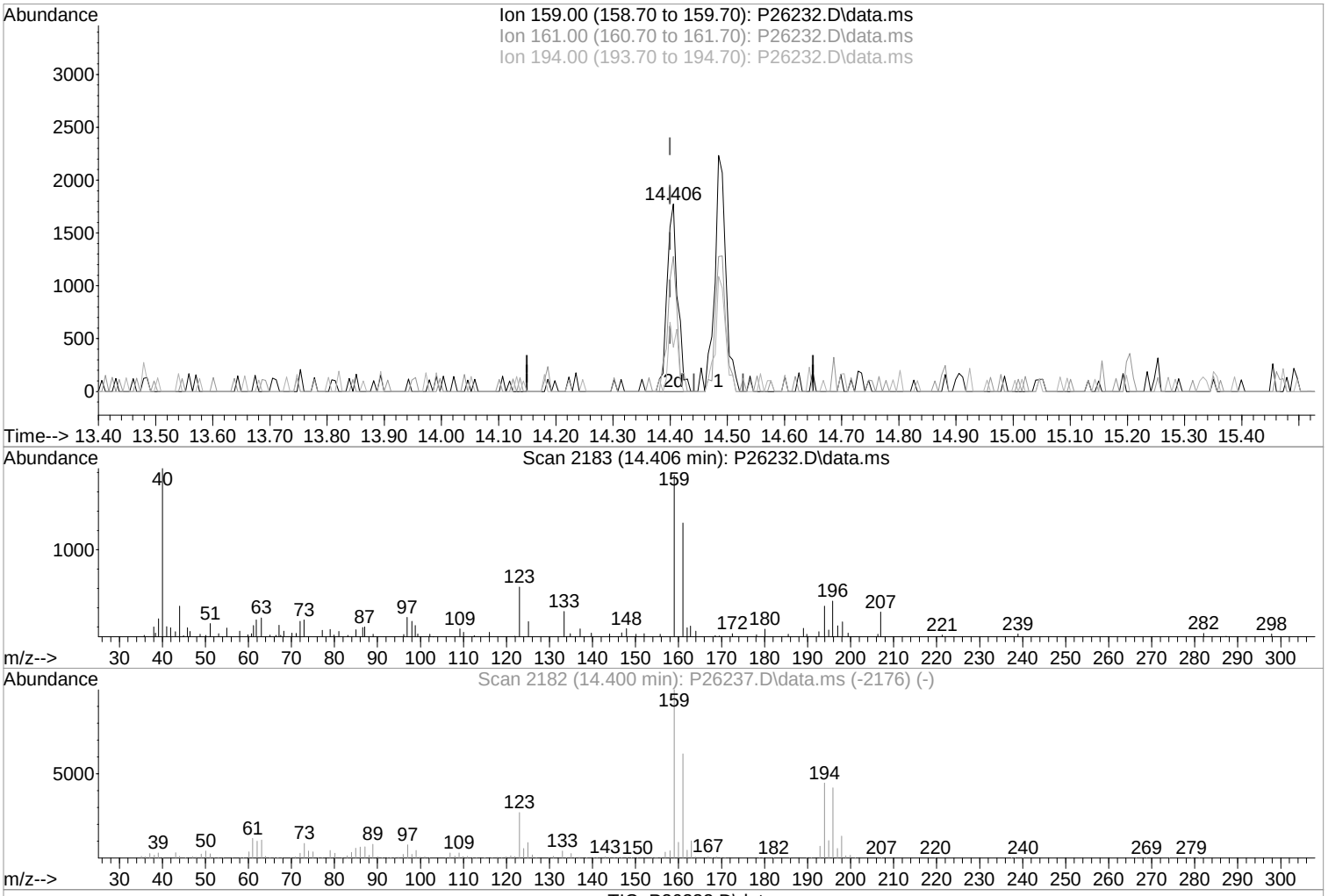
05/01/19

1st 05/01/19
2nd 05/02/19

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26232.D\data.ms

(119) 2,4,5-Trichlorotolene

14.406min (+0.006) 0.52 ppb m

response 2309

Ion	Exp%	Act%
159.00	100	100
161.00	61.80	71.97
194.00	44.50	23.58#
0.00	0.00	0.00

Manual Integration:

After

Wrong peak selected.

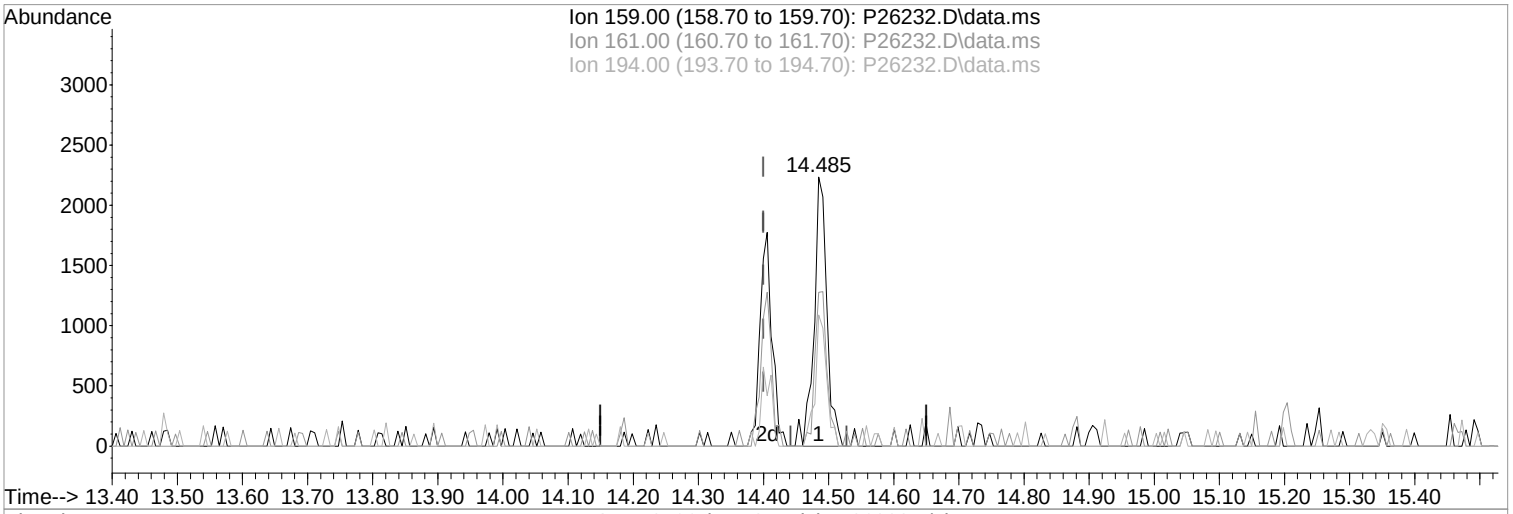
05/01/19

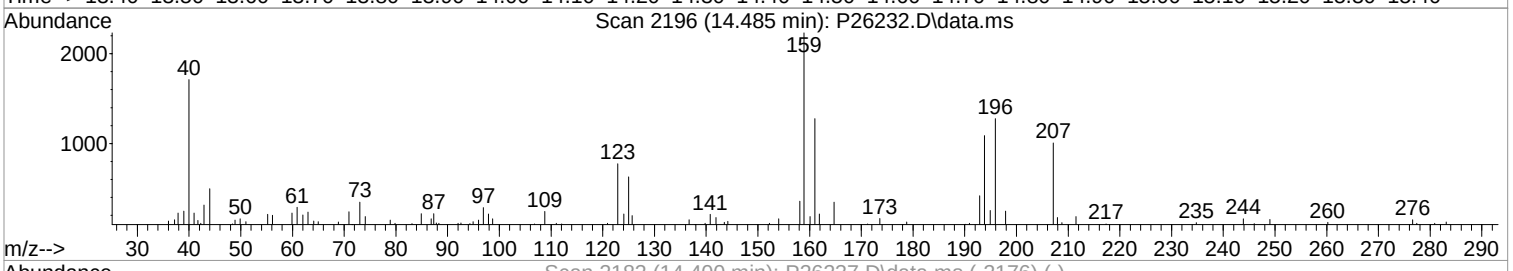
1st 05/01/19
2nd 05/02/19

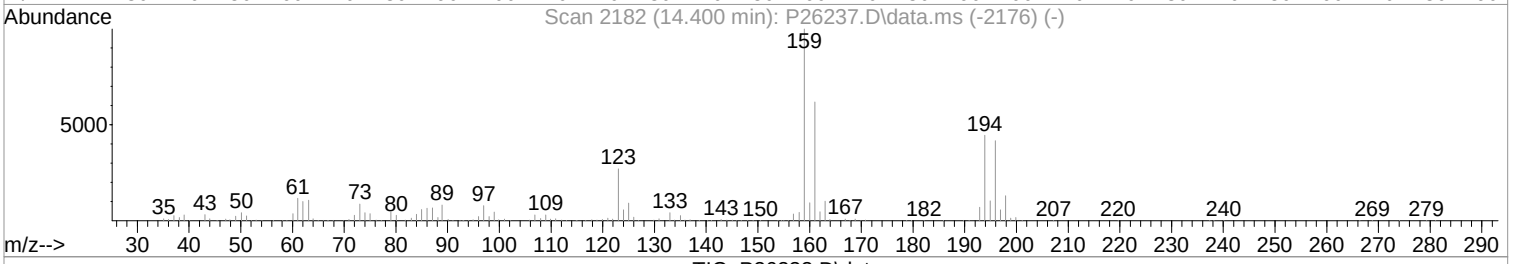
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26232.D\data.ms

(119) 2,4,5-Trichlorotolene

14.485min (+0.085) 0.69 ppb

response 3073

Ion	Exp%	Act%
159.00	100	100
161.00	61.80	57.12
194.00	44.50	48.75
0.00	0.00	0.00

Manual Integration:

Before

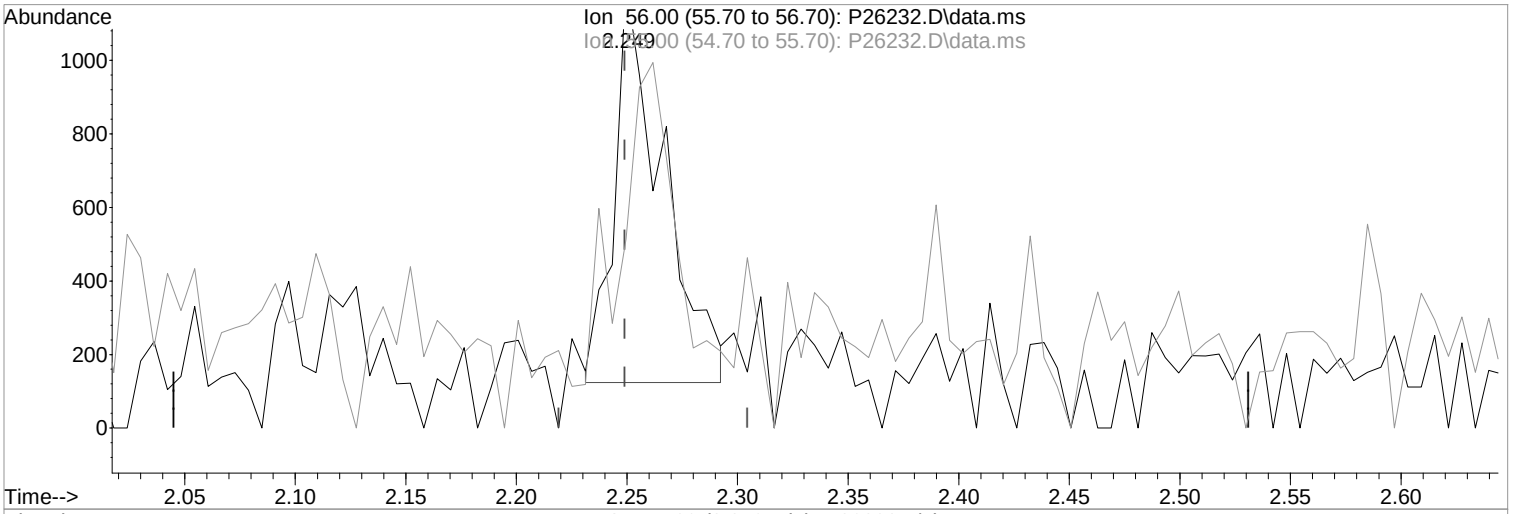
05/01/19

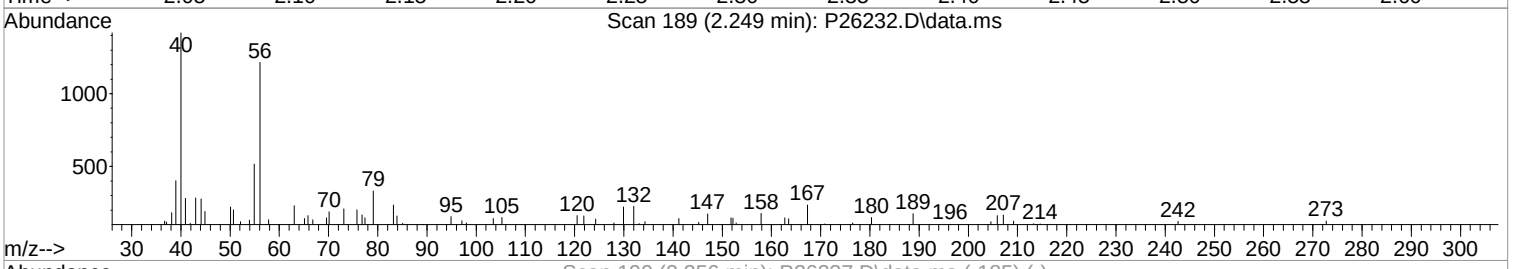
1st 05/01/19
2nd 05/02/19

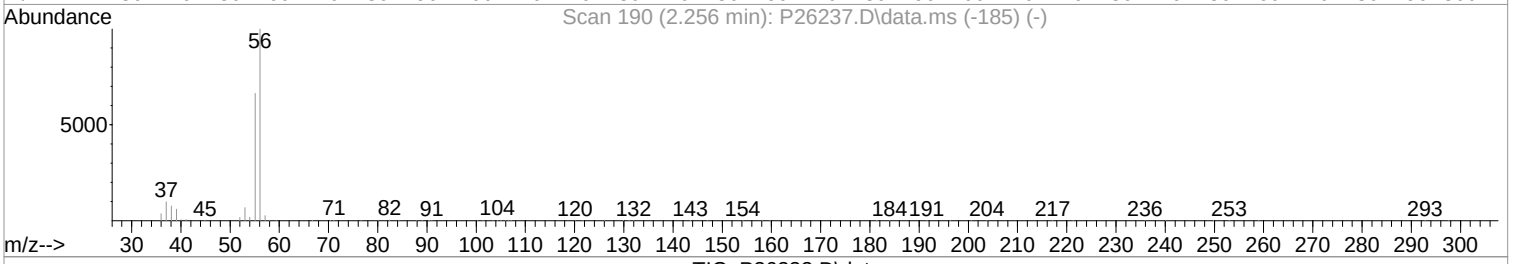
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26232.D\data.ms

(12) Acrolein

2.249min (+0.000) 2.49 ppb m

response 1641

Ion	Exp%	Act%
56.00	100	100
55.00	67.10	42.39#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

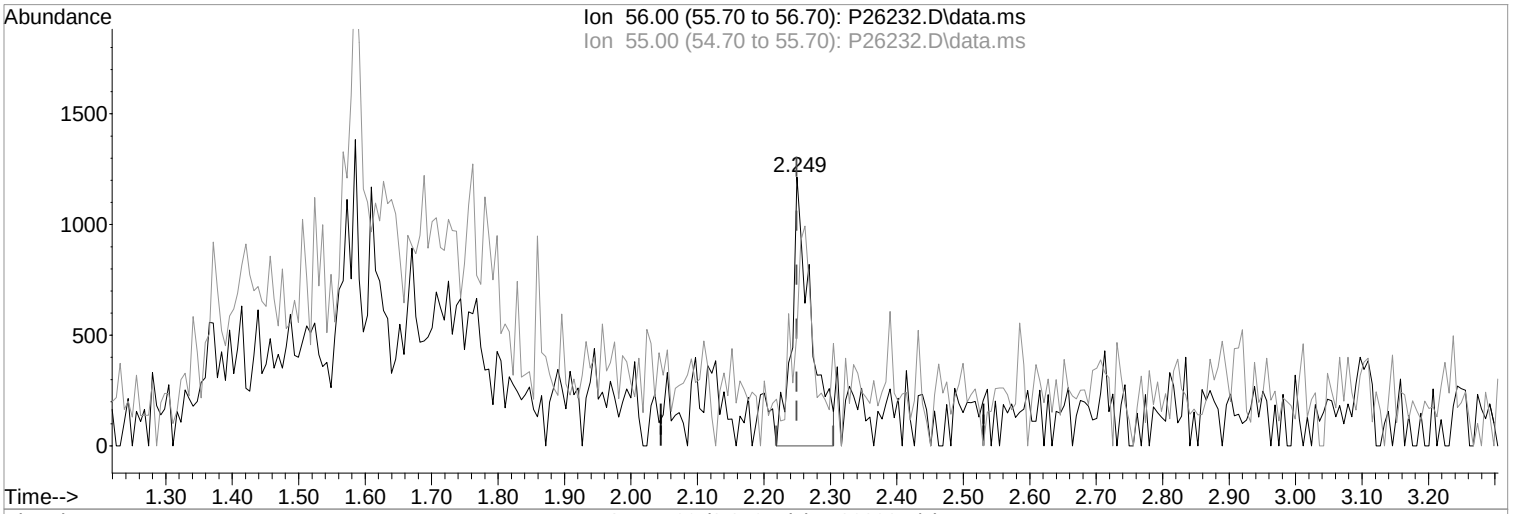
05/01/19

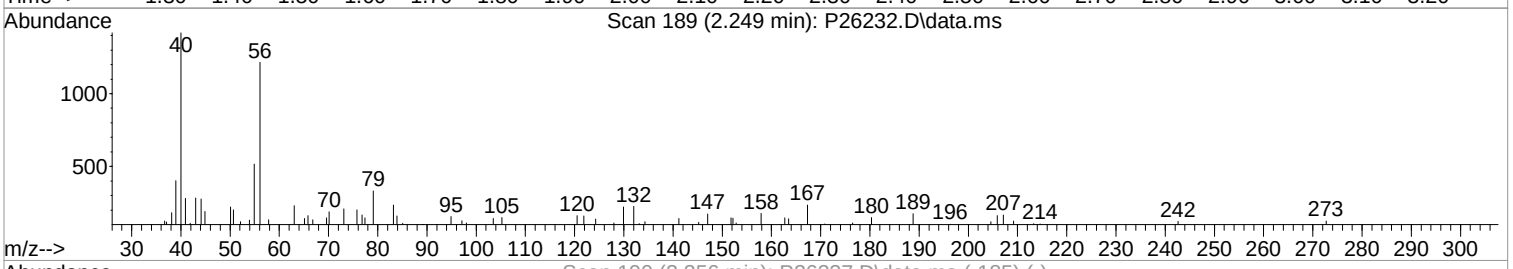
1st 05/01/19
2nd 05/02/19

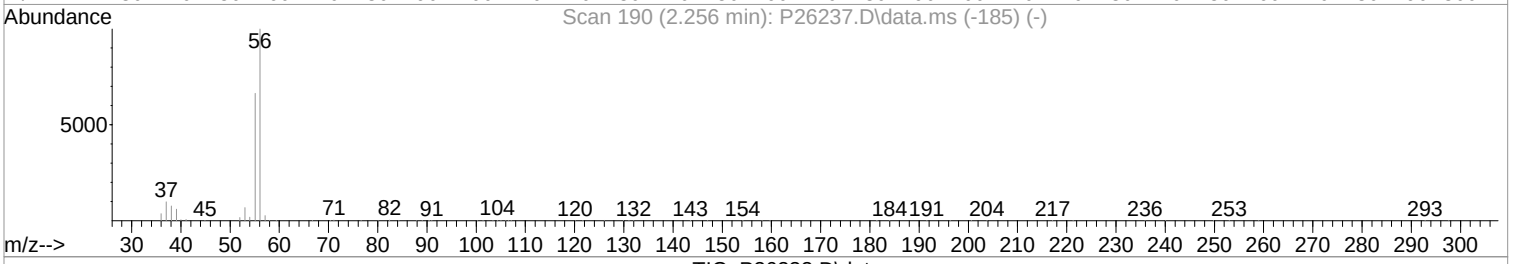
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26232.D\data.ms

(12) Acrolein

2.249min (+0.000) 3.63 ppb

response 2390

Ion	Exp%	Act%
56.00	100	100
55.00	67.10	42.39#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

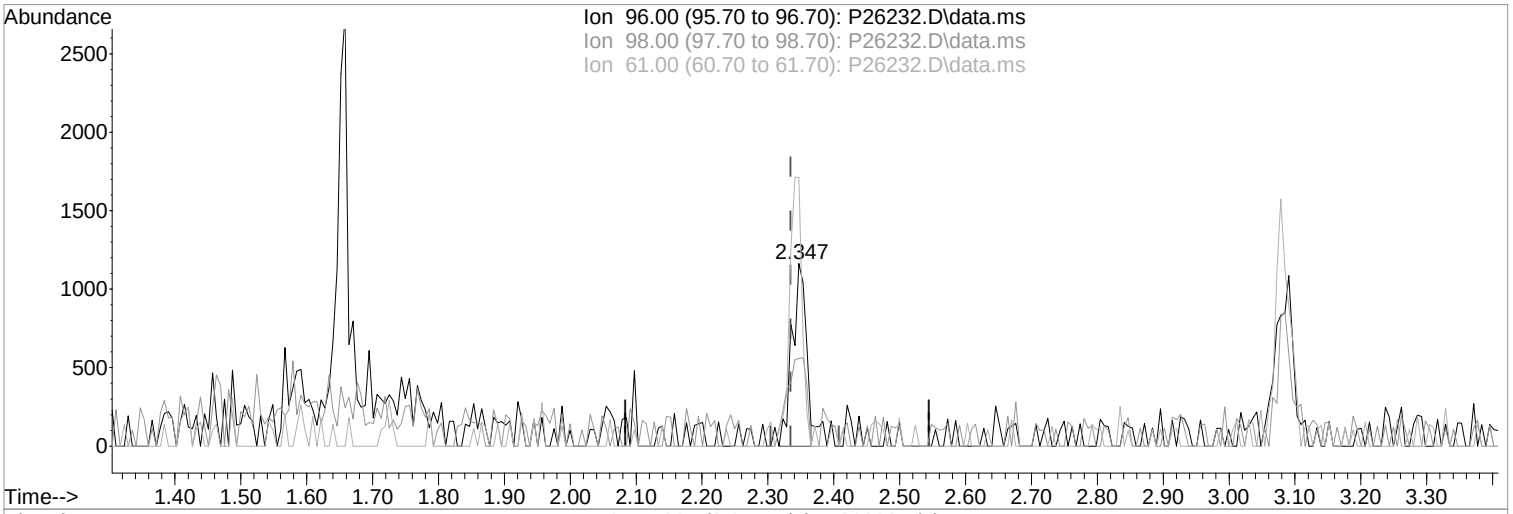
05/01/19

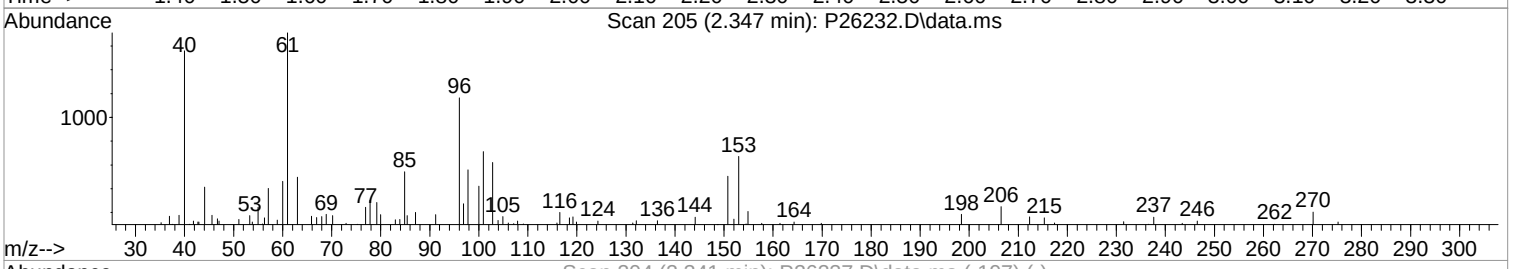
1st 05/01/19
2nd 05/02/19

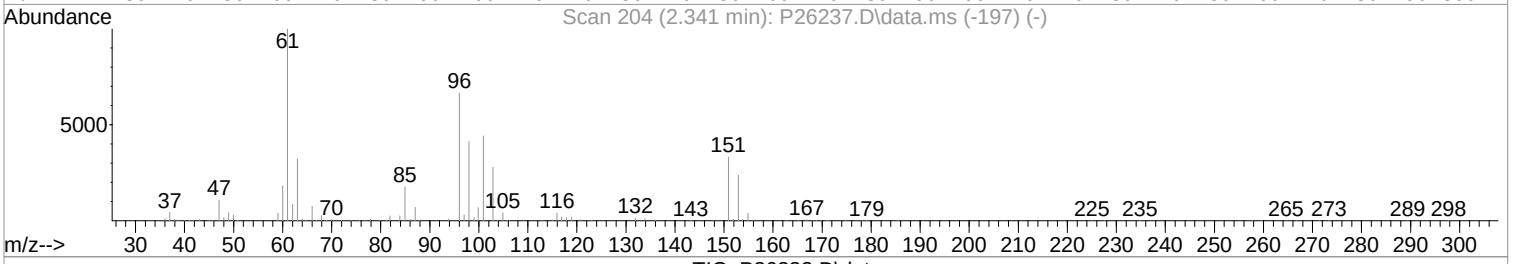
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26232.D\data.ms

(13) 1,1-Diclethene (P)

2.347min (+0.012) 0.56 ppb m

response 1716

Ion	Exp%	Act%
96.00	100	100
98.00	62.30	48.02
61.00	150.40	147.08
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

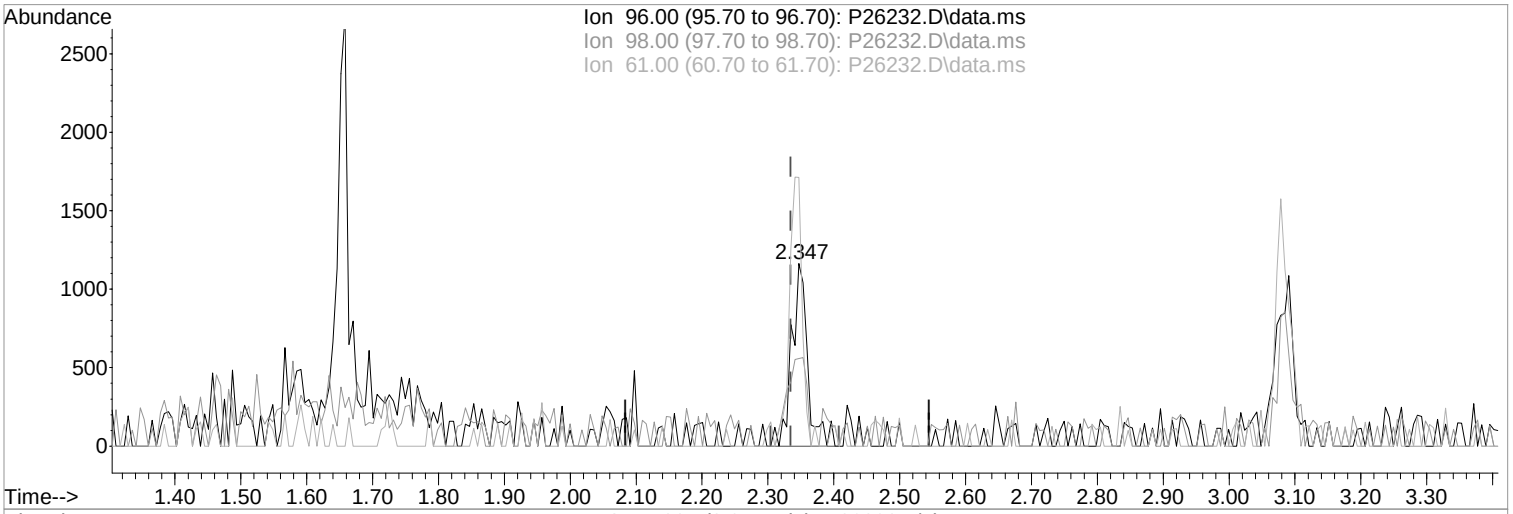
05/01/19

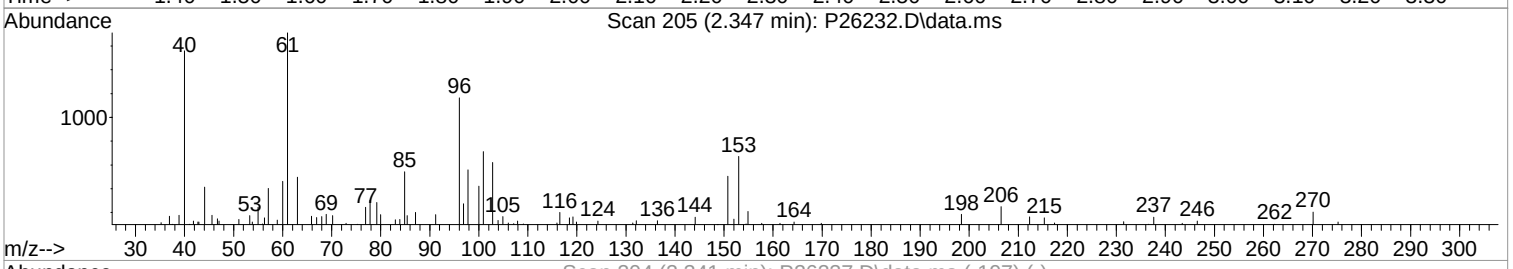
1st 05/01/19
2nd 05/02/19

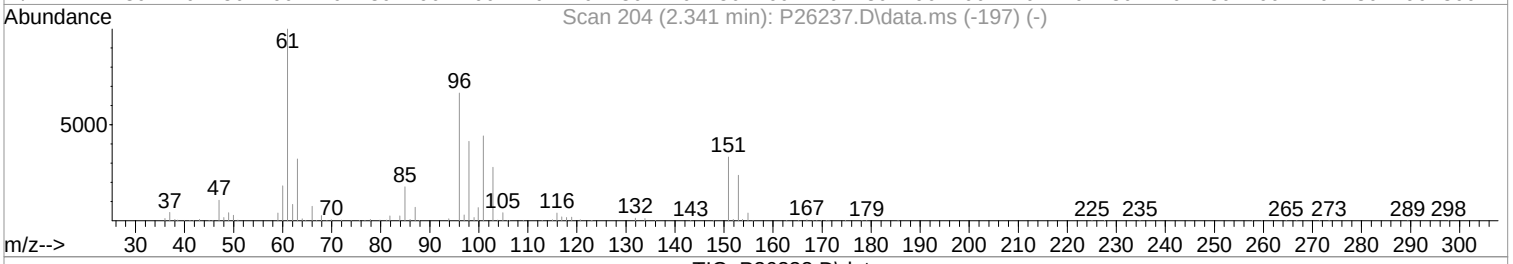
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26232.D\data.ms

(13) 1,1-Diclethene (P)

2.347min (+0.012) 0.65 ppb

response 1967

Ion	Exp%	Act%
96.00	100	100
98.00	62.30	48.02
61.00	150.40	147.08
0.00	0.00	0.00

Manual Integration:

Before

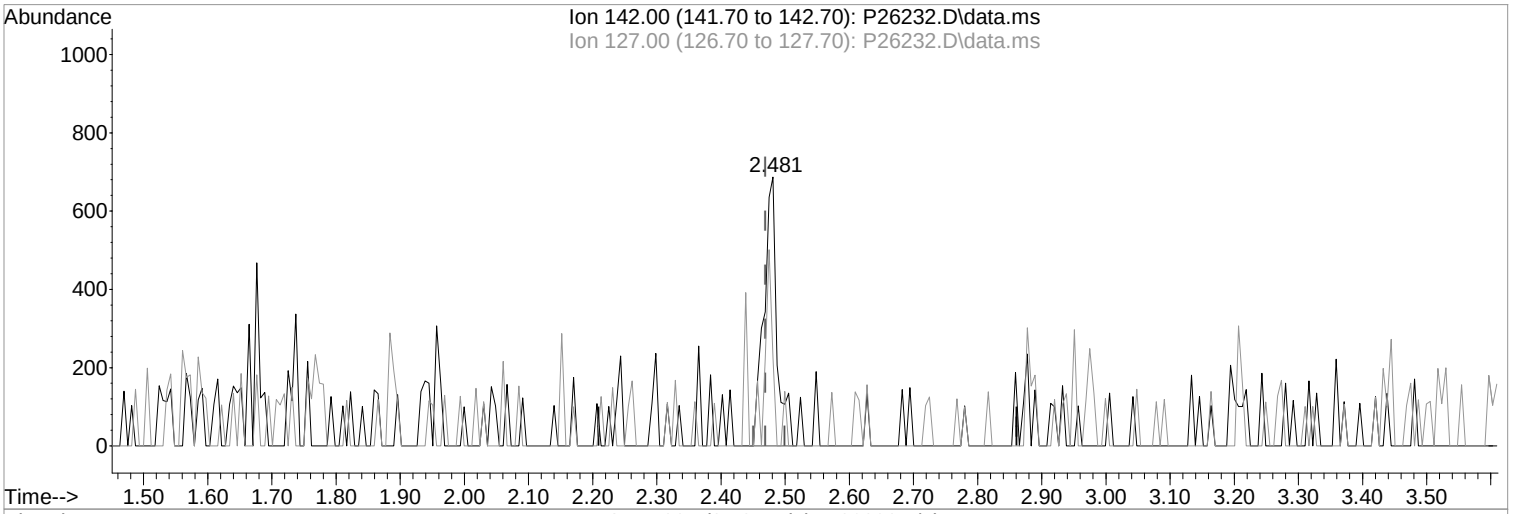
05/01/19

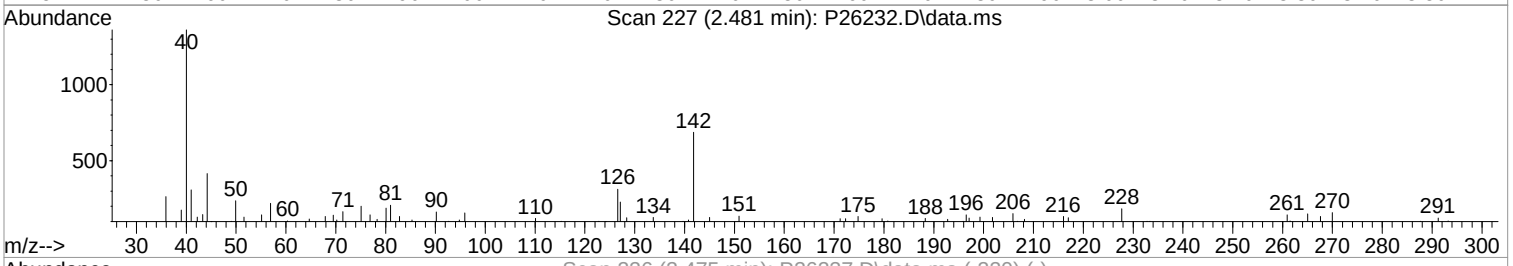
1st 05/01/19
2nd 05/02/19

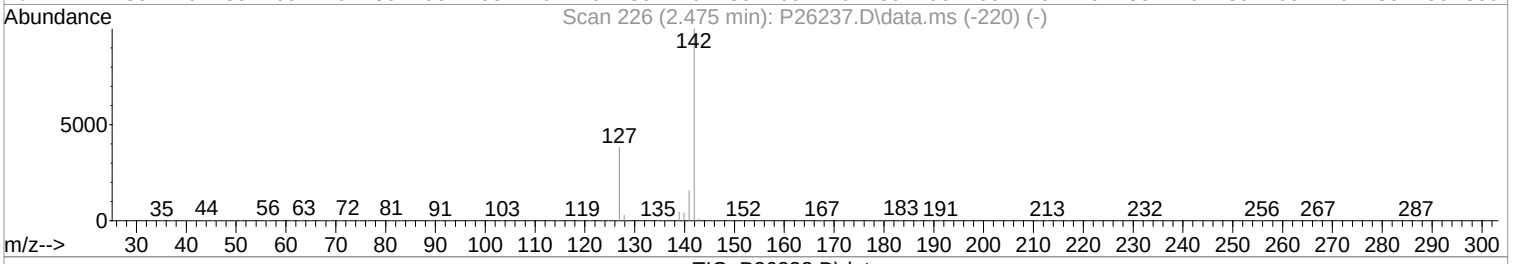
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26232.D\data.ms

(17) Iodomethane

2.481min (+0.012) 0.29 ppb m

response 985

Ion	Exp%	Act%
142.00	100	100
127.00	38.10	33.04
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

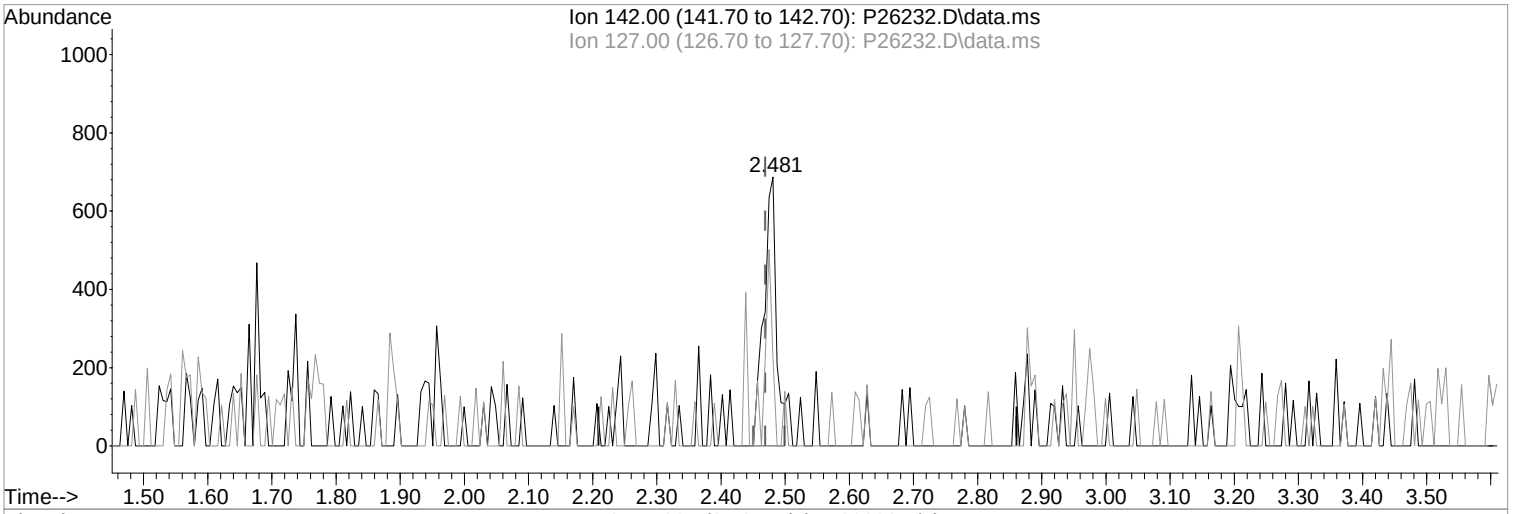
05/01/19

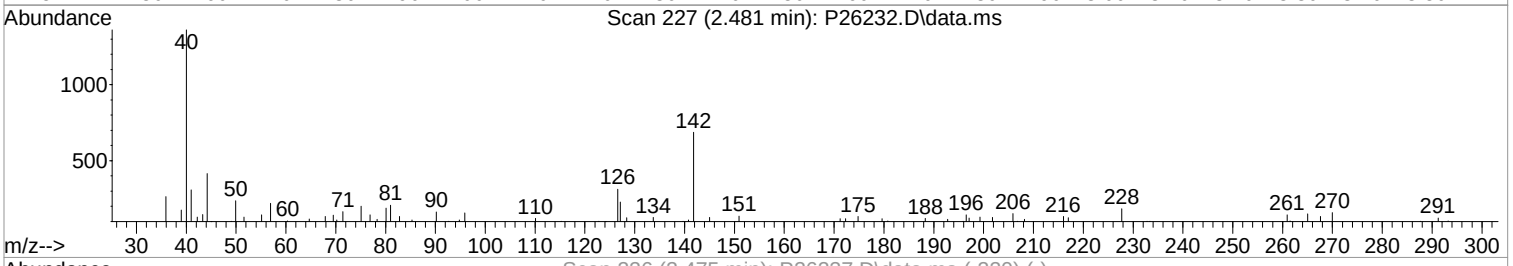
1st 05/01/19
2nd 05/02/19

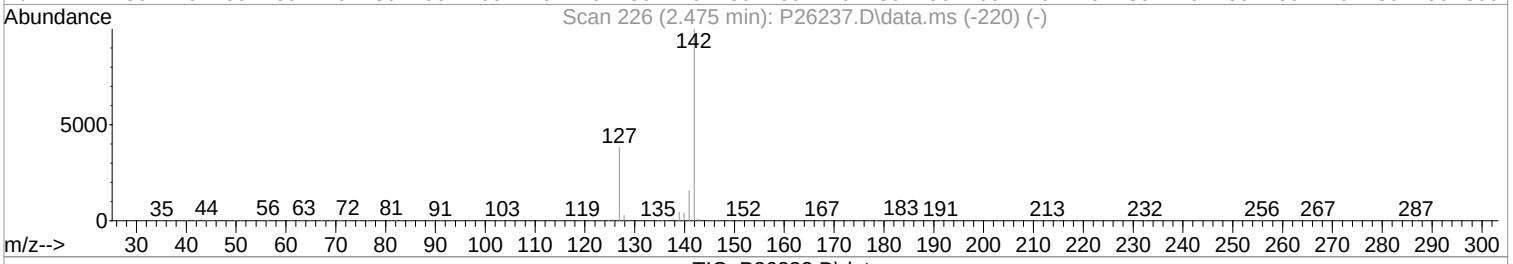
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26232.D\data.ms

(17) Iodomethane

2.481min (+0.012) 0.28 ppb

response 936

Ion	Exp%	Act%
142.00	100	100
127.00	38.10	33.04
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

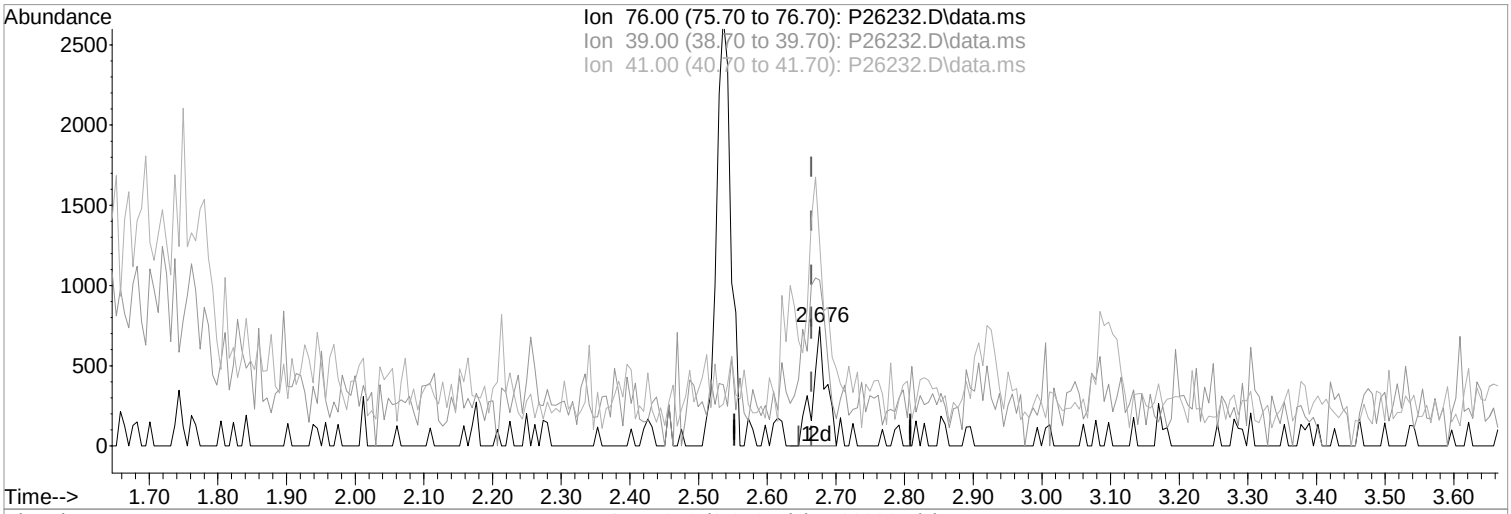
05/01/19

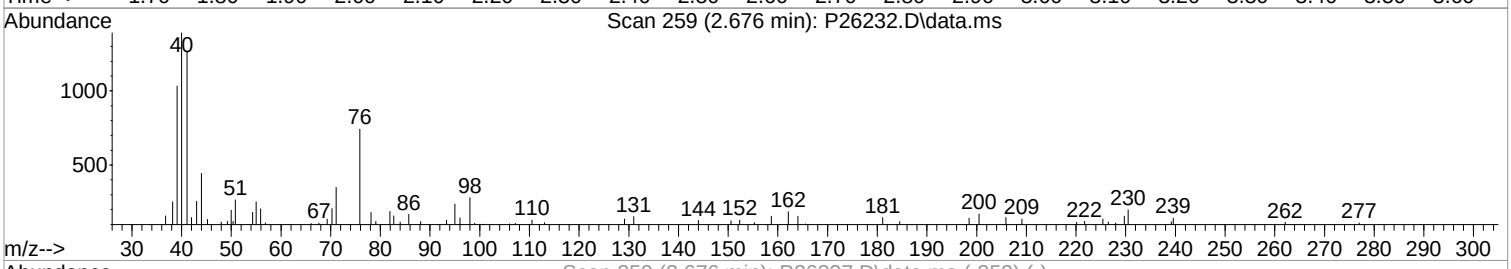
1st 05/01/19
2nd 05/02/19

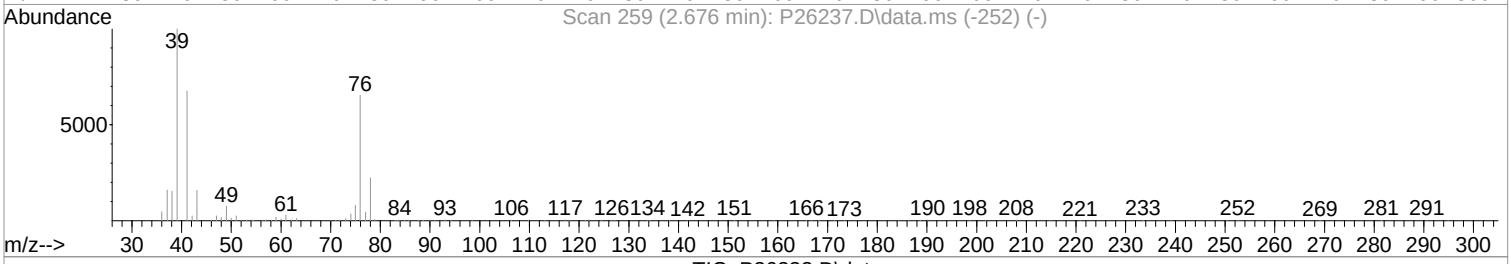
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26232.D\data.ms

(20) Allyl Chloride

2.676min (+0.012) 0.65 ppb m

response 1042

Ion	Exp%	Act%
76.00	100	100
39.00	179.40	139.22#
41.00	248.40	170.49#
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

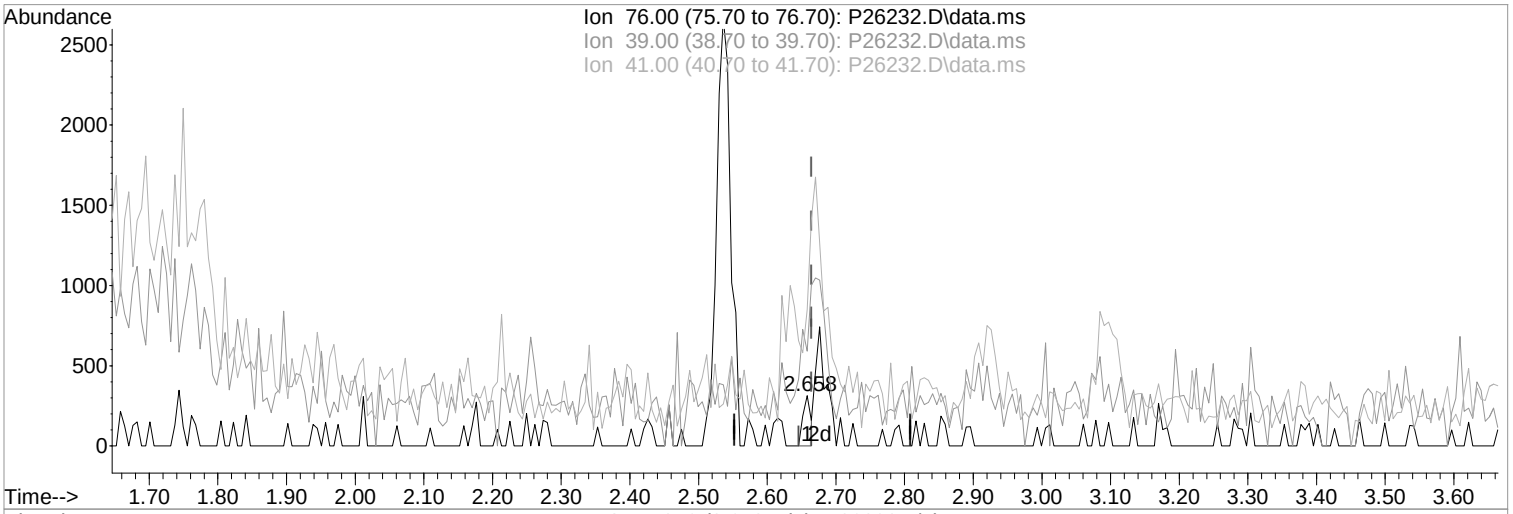
05/01/19

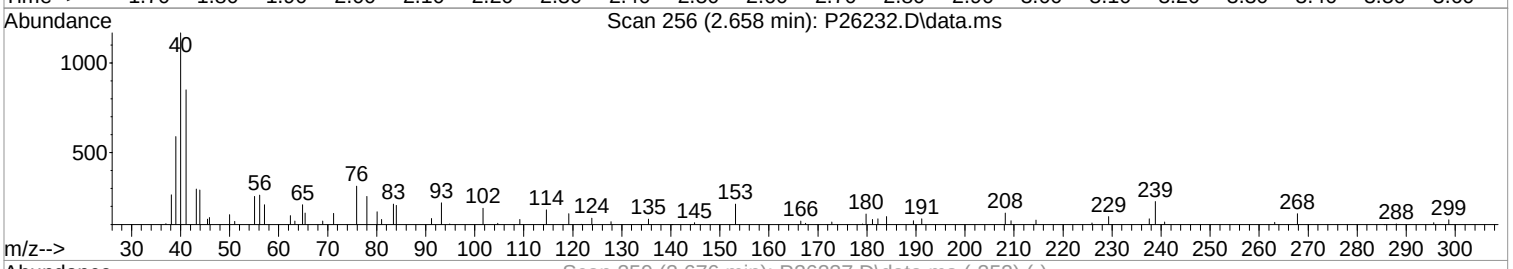
1st 05/01/19
2nd 05/02/19

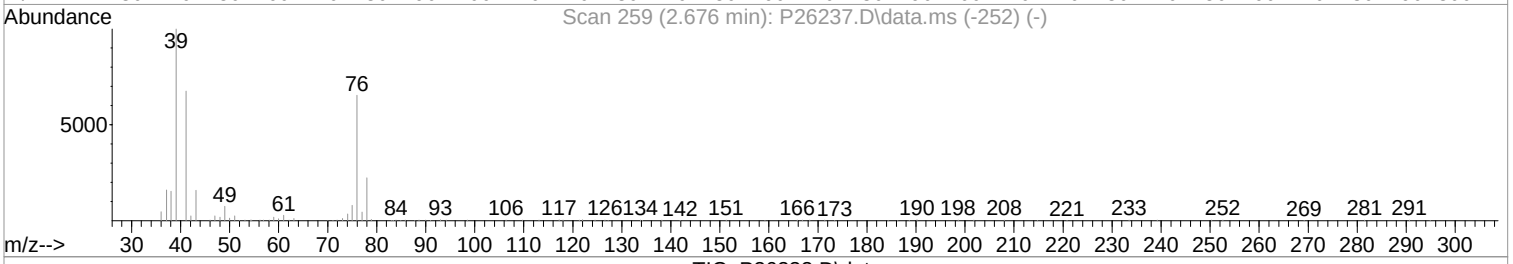
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26232.D\data.ms

(20) Allyl Chloride

2.658min (-0.006) 0.15 ppb

response 240

Ion	Exp%	Act%
76.00	100	100
39.00	179.40	188.50
41.00	248.40	271.88#
0.00	0.00	0.00

Manual Integration:

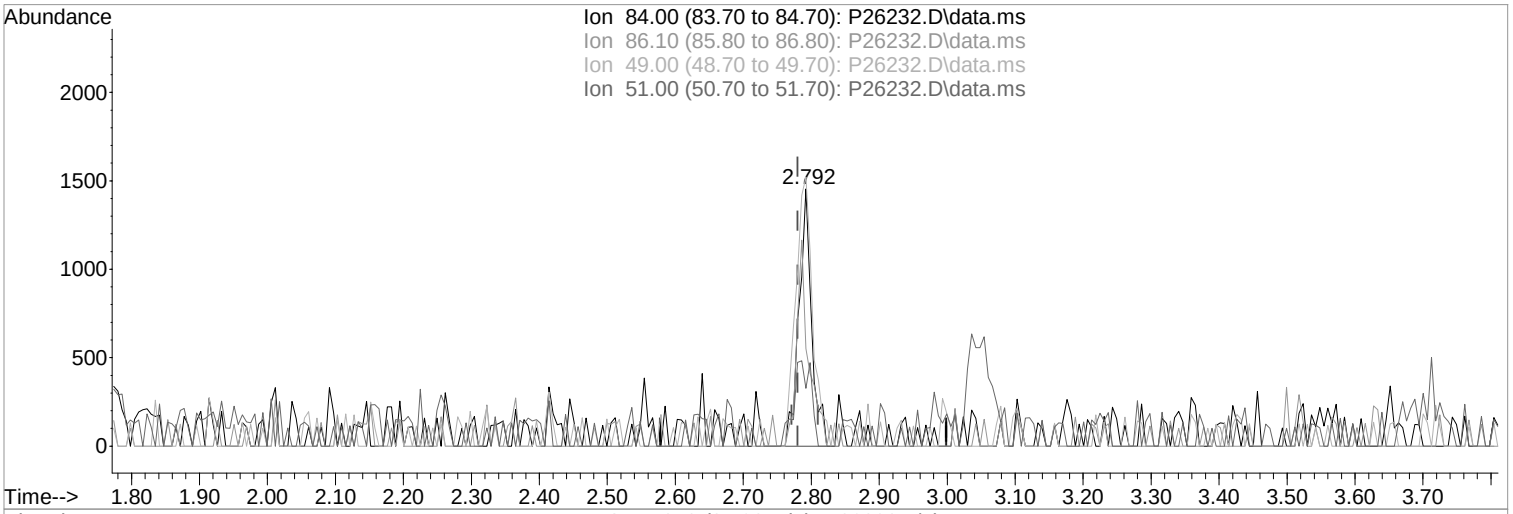
Before

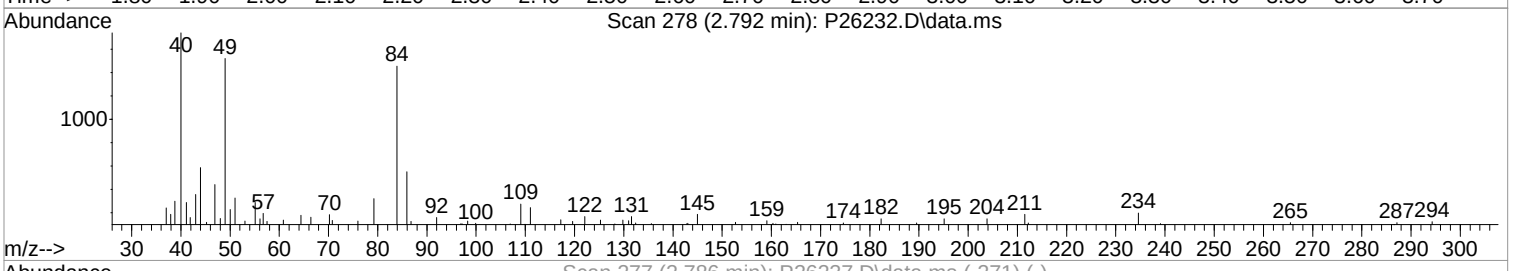
05/01/19

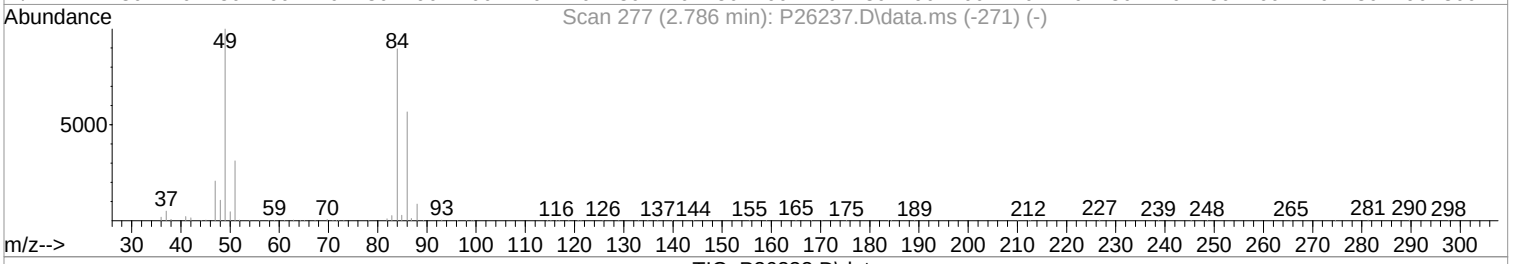
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26232.D\data.ms

(22) Methylene Chloride (P)

2.792min (+0.012) 0.56 ppb m

response 1891

Ion	Exp%	Act%
84.00	100	100
86.10	63.30	37.90#
49.00	112.00	104.61
51.00	34.80	22.42

Manual Integration:

After

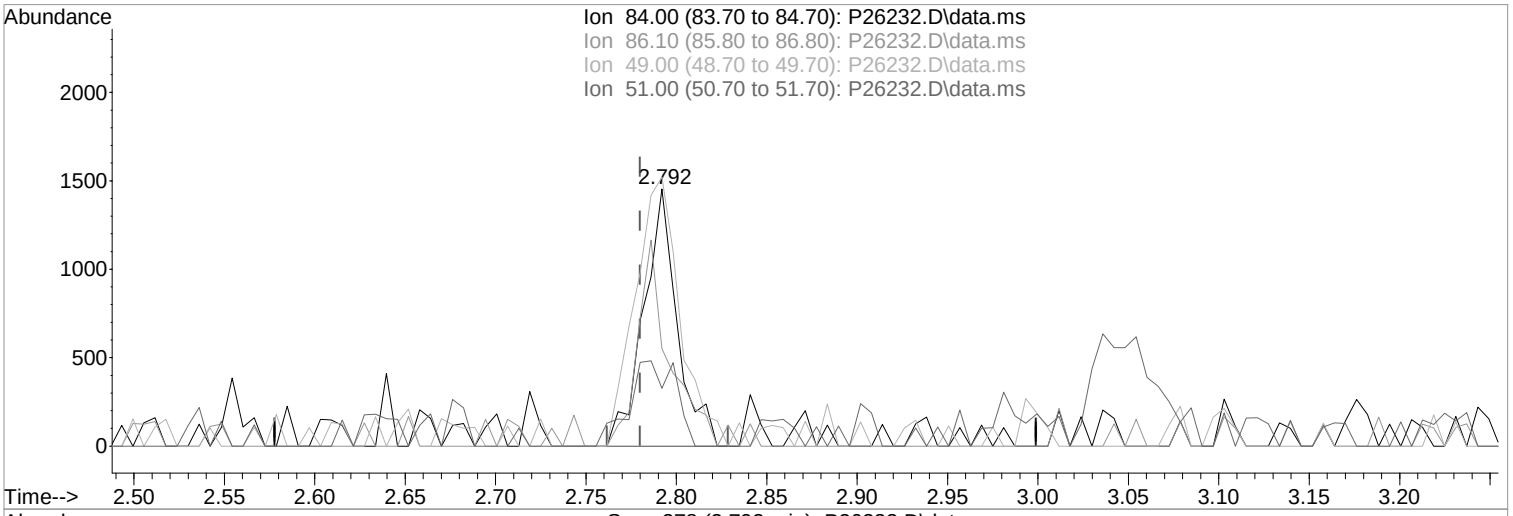
Other - del by mistake

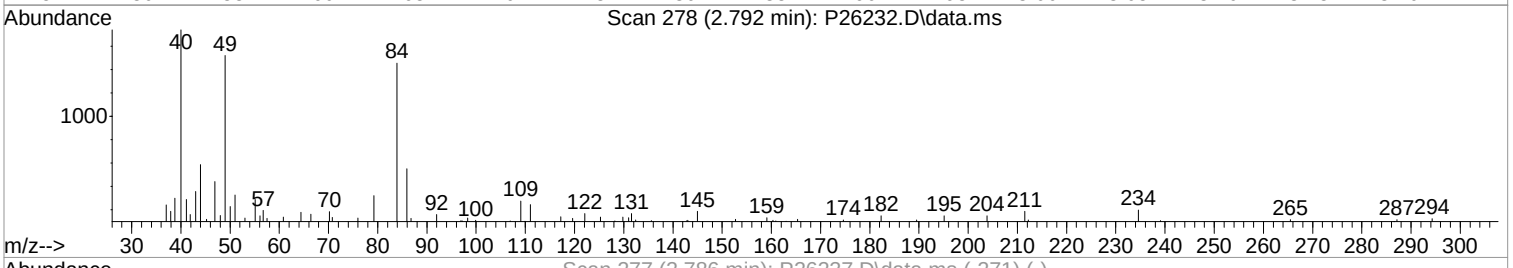
05/01/19

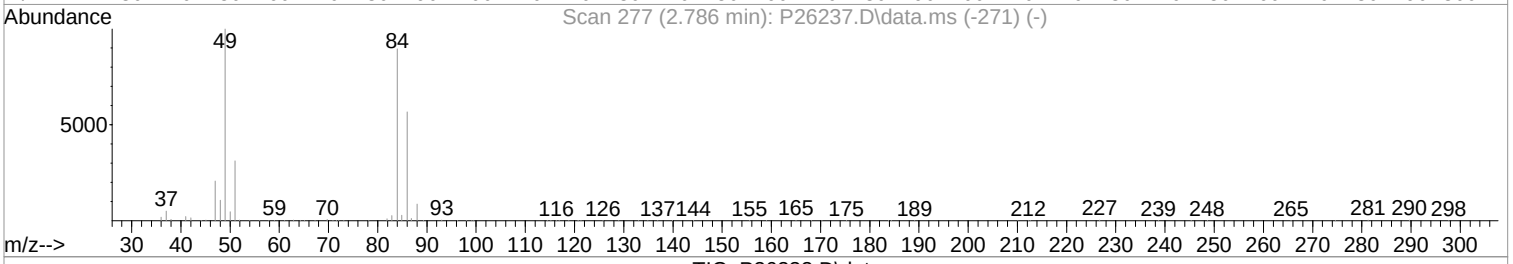
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26232.D\data.ms

(22) Methylene Chloride (P)

2.792min (+0.012) 0.56 ppb

response 1891

Ion	Exp%	Act%
84.00	100	100
86.10	63.30	46.70
49.00	112.00	104.61
51.00	34.80	22.42

Manual Integration:

Before

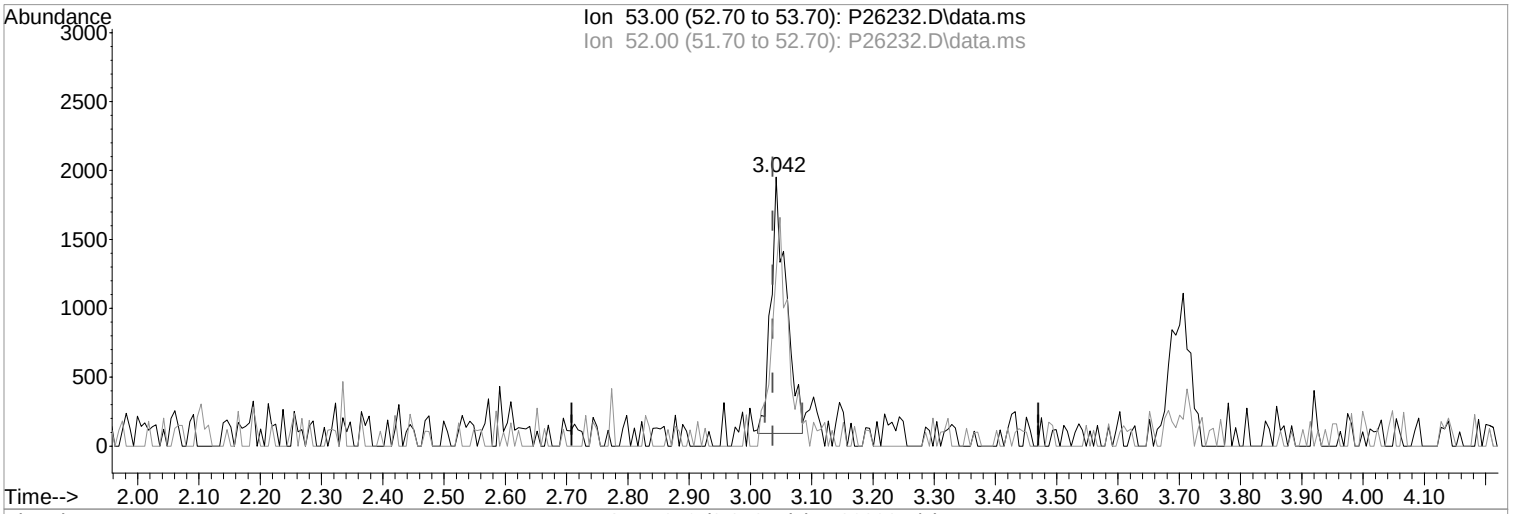
05/01/19

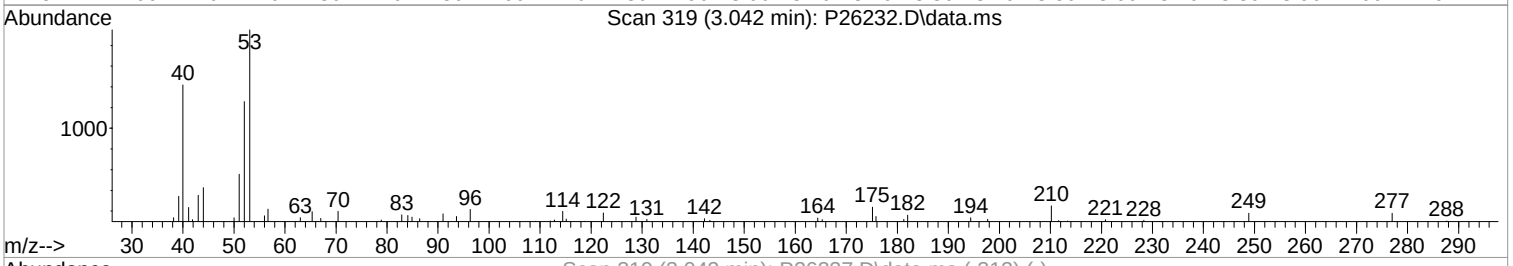
1st 05/01/19
2nd 05/02/19

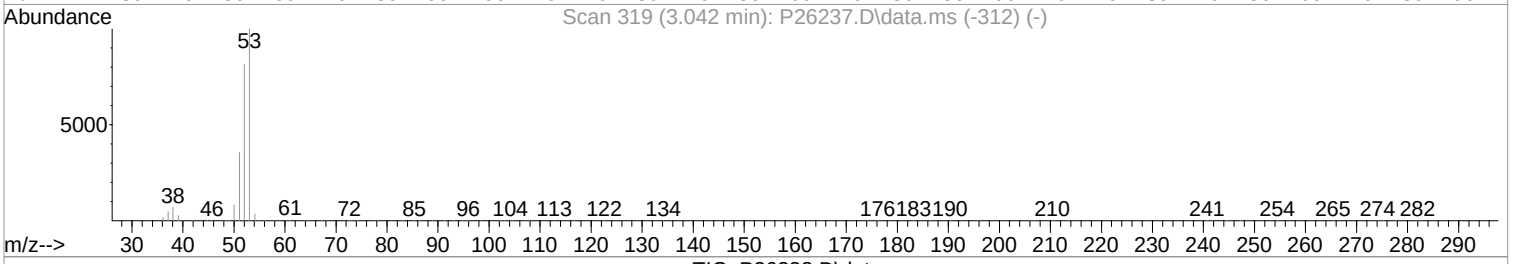
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26232.D\data.ms

(24) Acrylonitrile

3.042min (+0.006) 2.02 ppb m

response 3216

Ion	Exp%	Act%
53.00	100	100
52.00	81.50	64.40#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

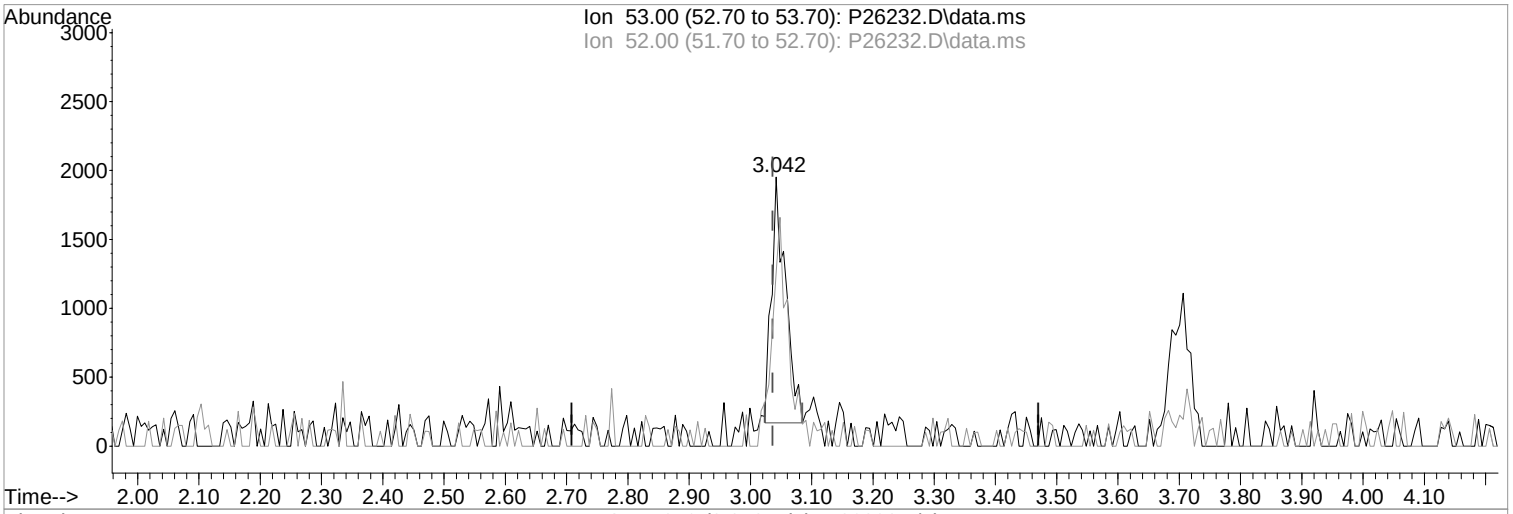
05/01/19

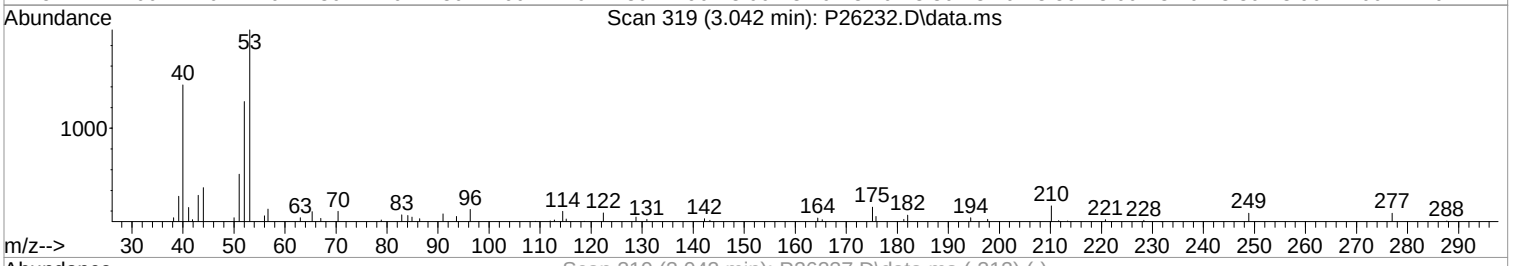
1st 05/01/19
2nd 05/02/19

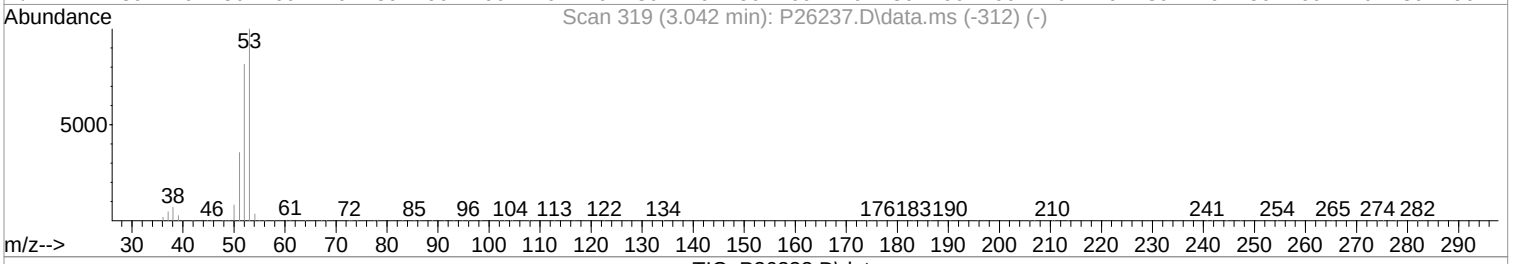
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26232.D\data.ms

(24) Acrylonitrile

3.042min (+0.006) 1.78 ppb

response 2847

Ion	Exp%	Act%
53.00	100	100
52.00	81.50	64.40#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

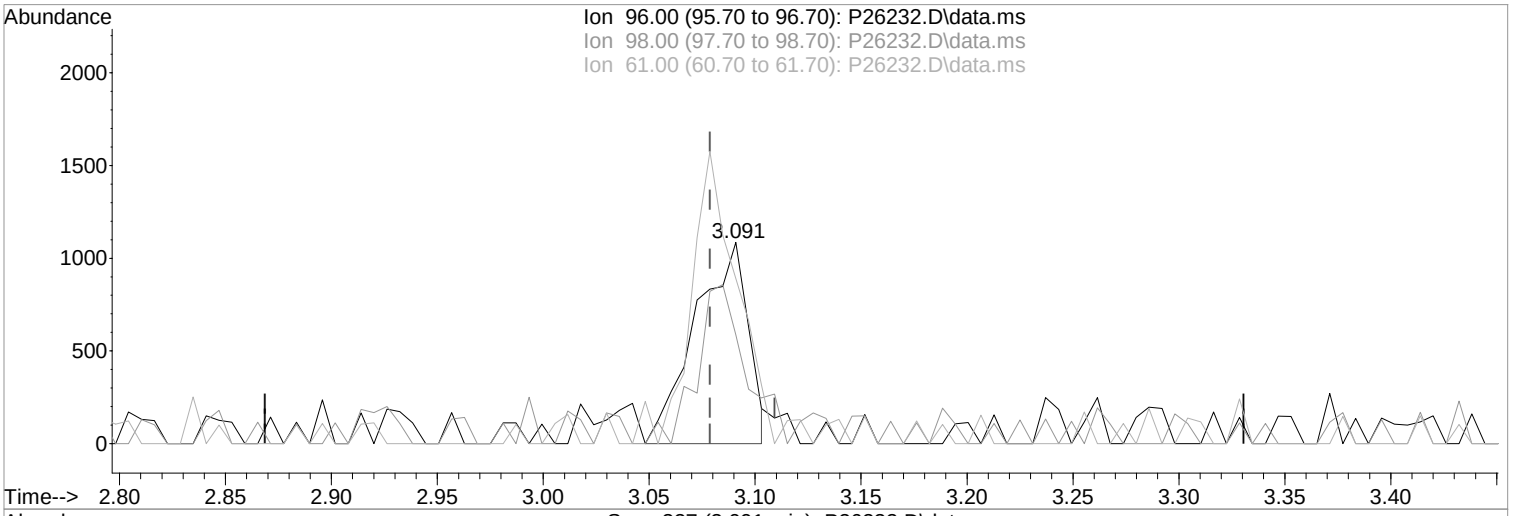
05/01/19

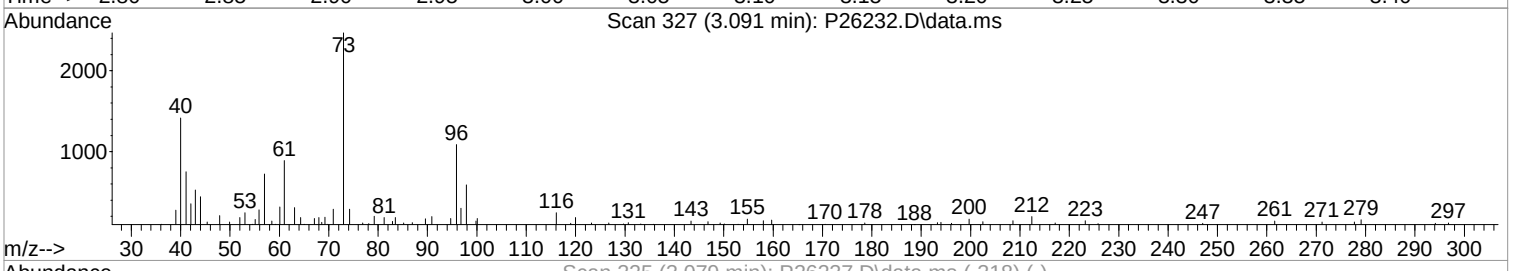
1st 05/01/19
2nd 05/02/19

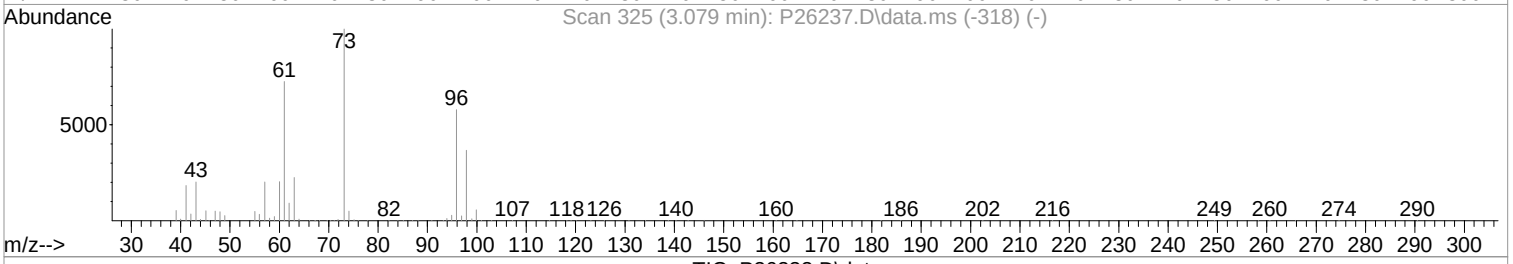
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26232.D\data.ms

(26) trans-1,2-Dichloroethene (P)

3.091min (+0.012) 0.57 ppb m

response 1895

Ion	Exp%	Act%
96.00	100	100
98.00	63.40	54.05
61.00	125.20	81.95#
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

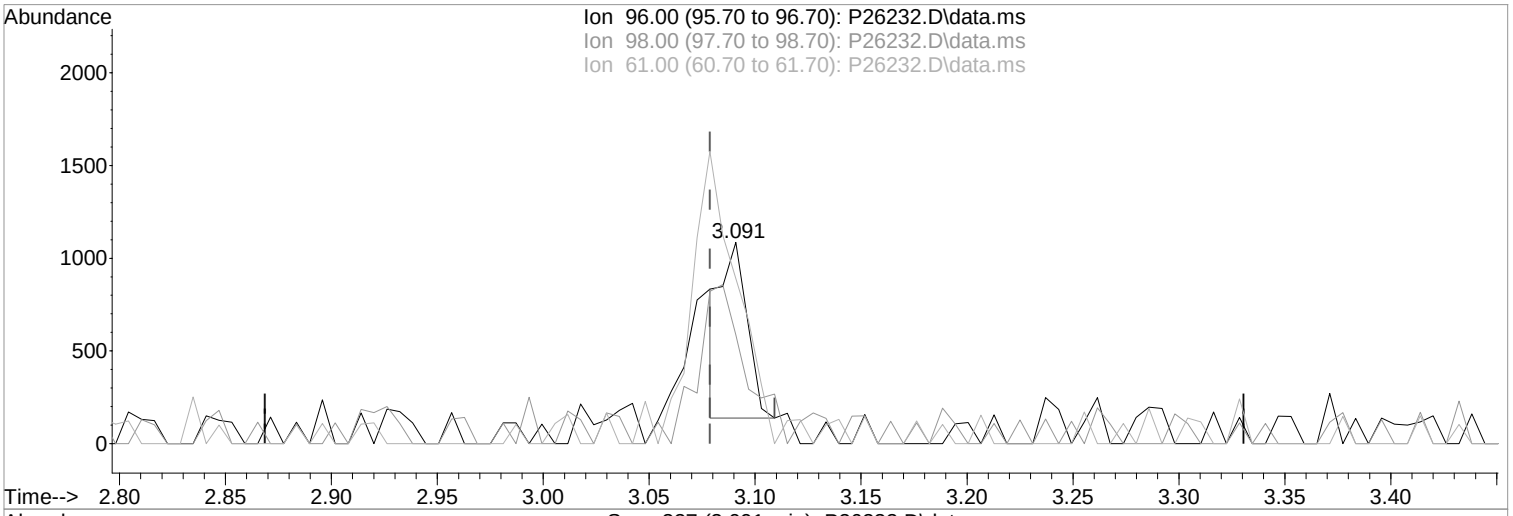
05/01/19

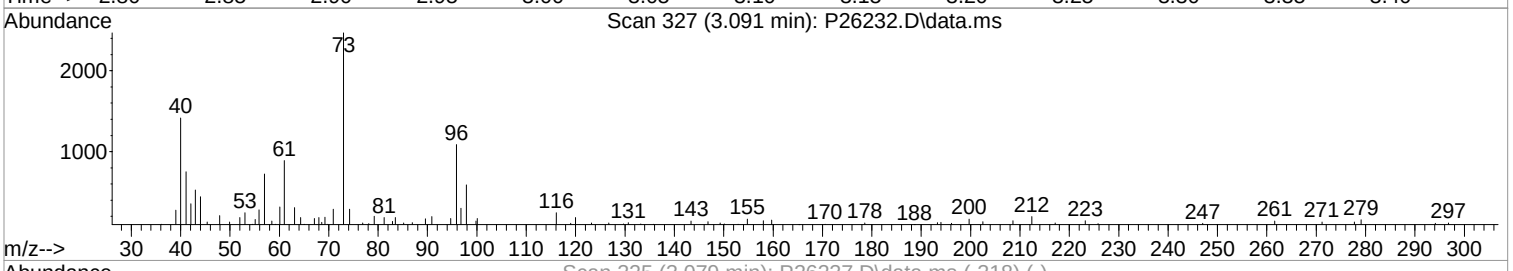
1st 05/01/19
2nd 05/02/19

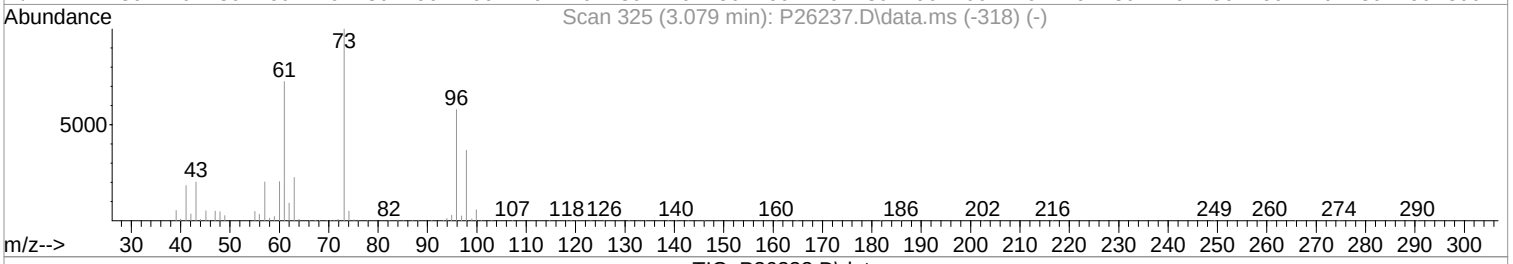
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26232.D\data.ms

(26) trans-1,2-Dichloroethene (P)

3.091min (+0.012) 0.24 ppb

response 804

Ion	Exp%	Act%
96.00	100	100
98.00	63.40	54.05
61.00	125.20	81.95#
0.00	0.00	0.00

Manual Integration:

Before

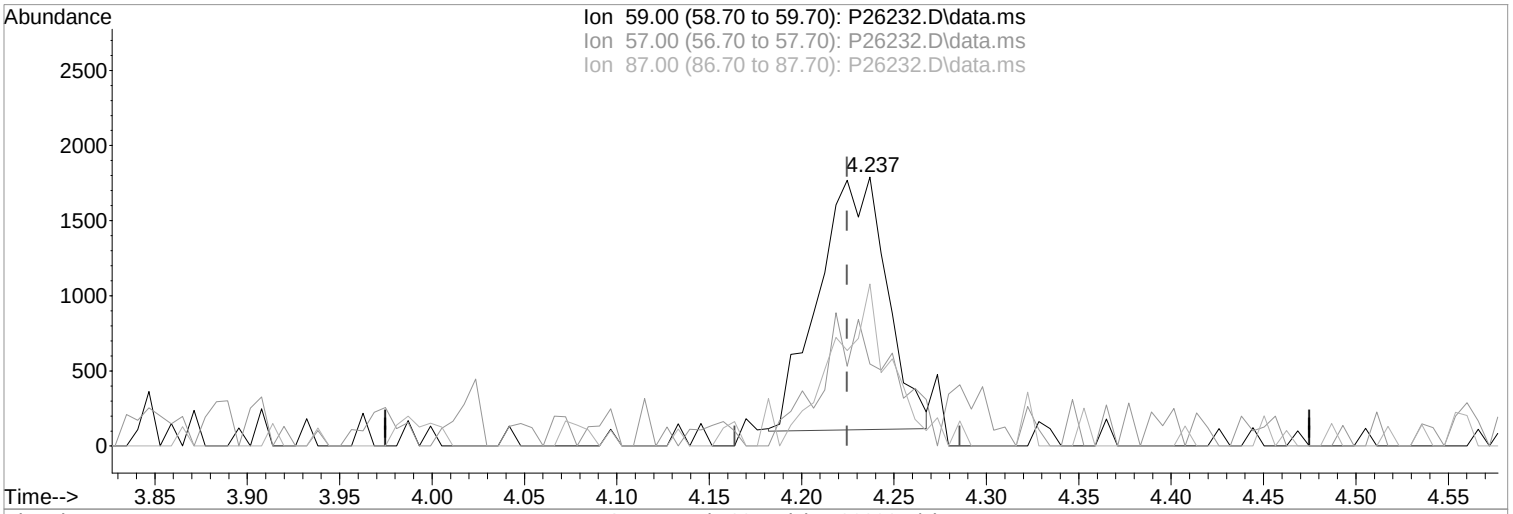
05/01/19

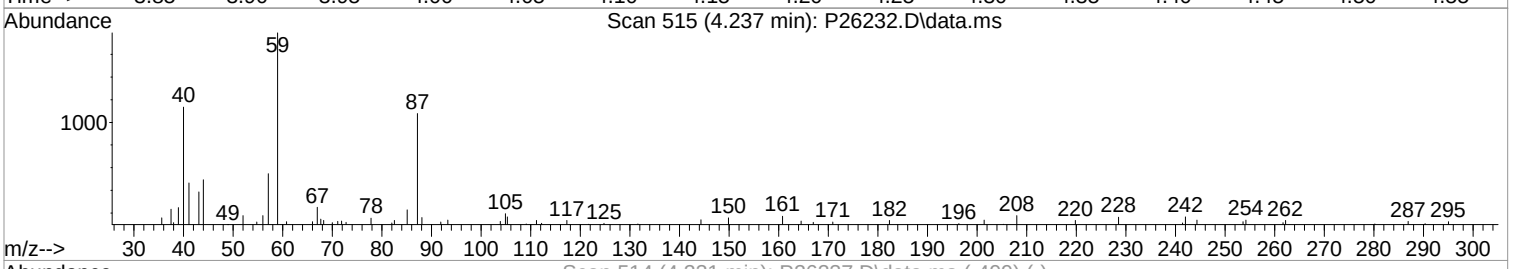
1st 05/01/19
2nd 05/02/19

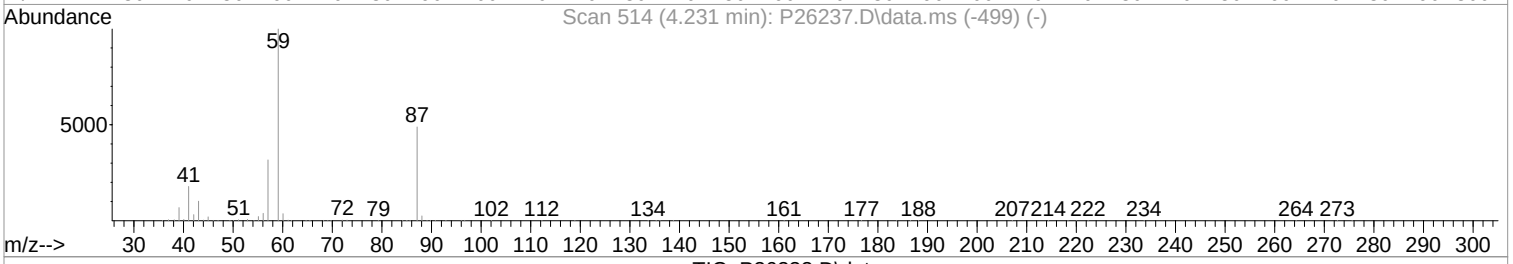
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26232.D\data.ms

(32) ETBE

4.237min (+0.012) 0.46 ppb m

response 4310

Ion	Exp%	Act%
59.00	100	100
57.00	31.90	30.56
87.00	48.90	60.28
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

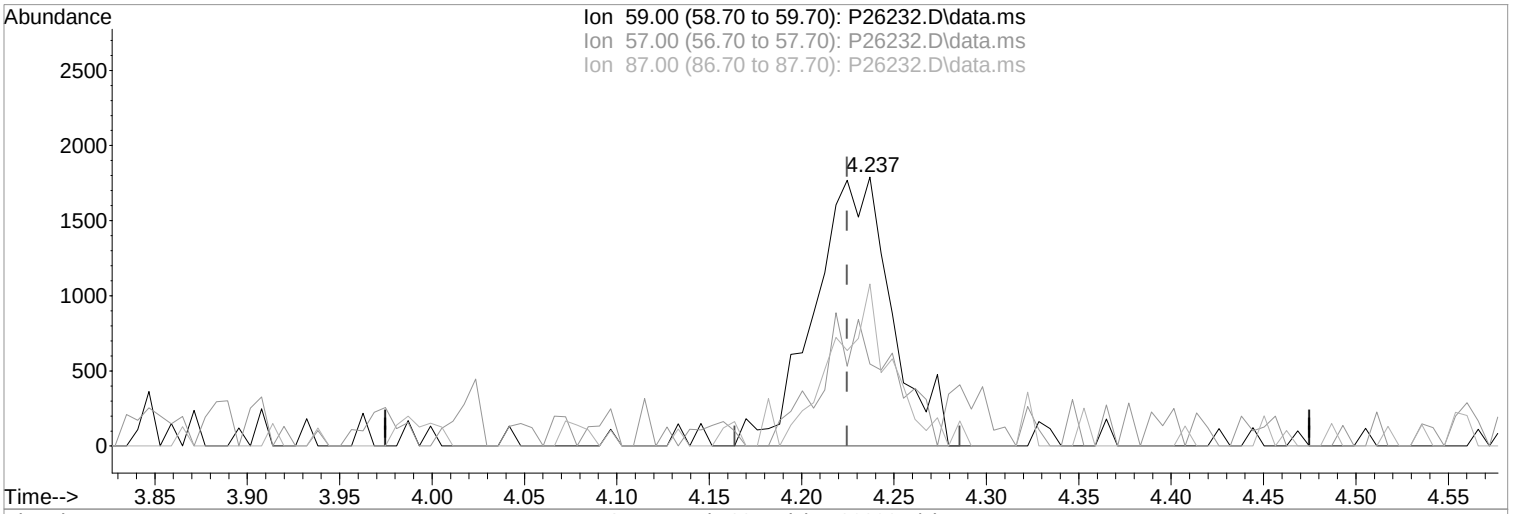
05/01/19

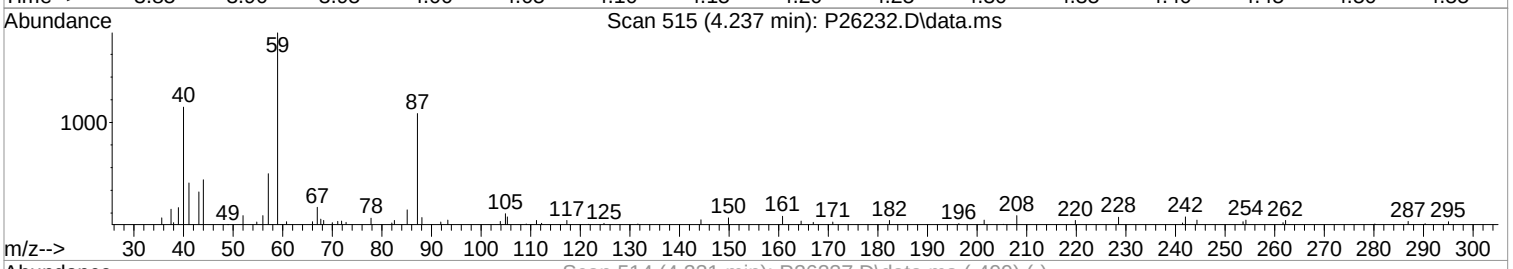
1st 05/01/19
2nd 05/02/19

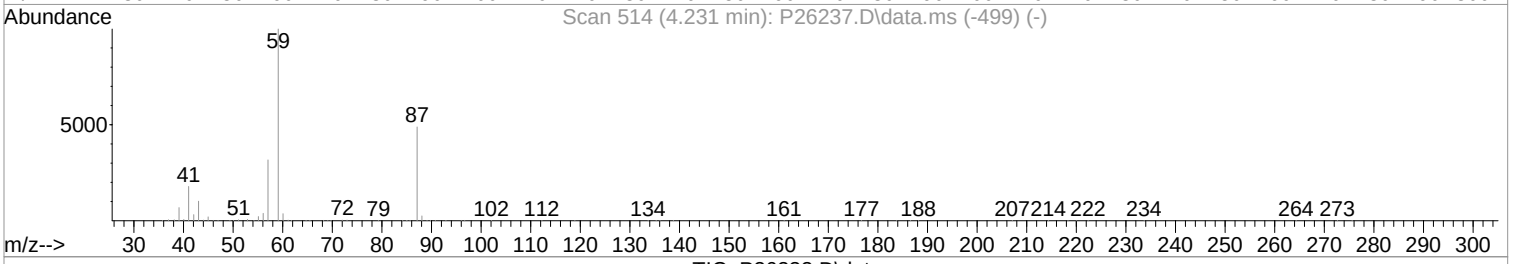
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26232.D\data.ms

(32) ETBE

4.237min (+0.012) 0.55 ppb

response 5183

Ion	Exp%	Act%
59.00	100	100
57.00	31.90	30.56
87.00	48.90	60.28
0.00	0.00	0.00

Manual Integration:

Before

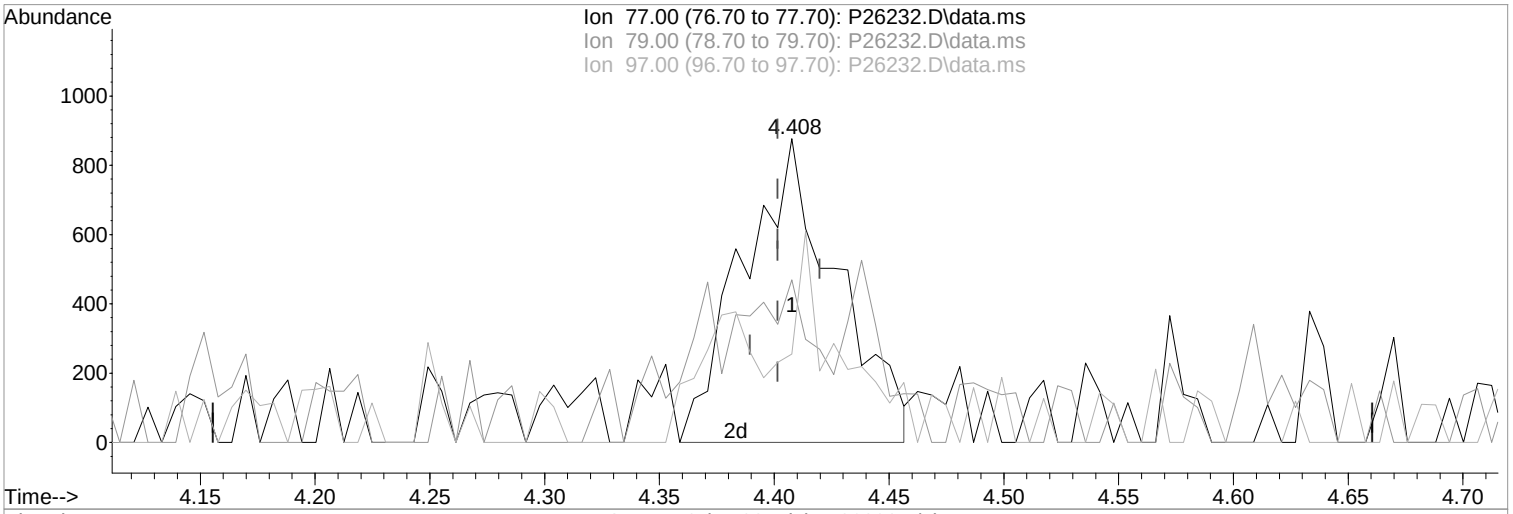
05/01/19

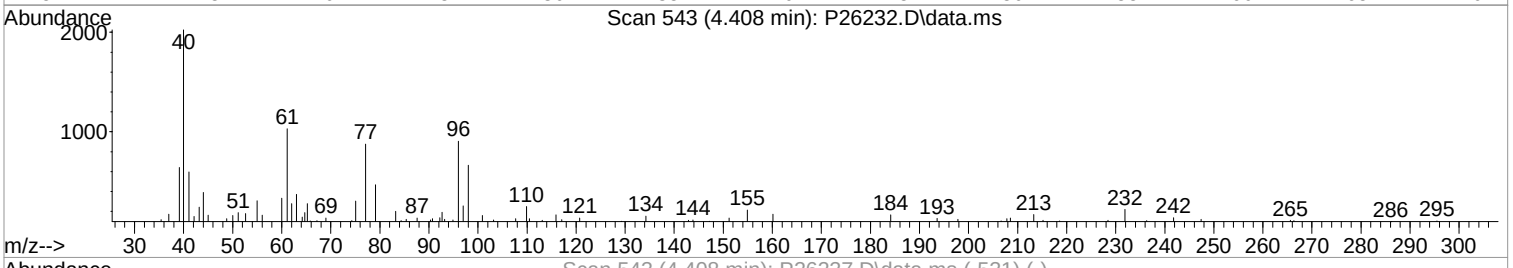
1st 05/01/19
2nd 05/02/19

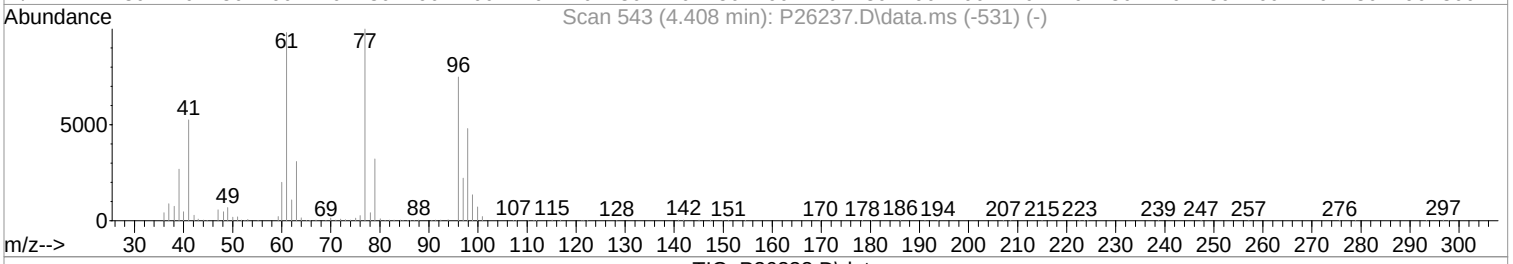
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26232.D\data.ms

(33) 2,2-Dichloropropane

4.408min (+0.006) 0.50 ppb m

response 2501

Ion	Exp%	Act%
77.00	100	100
79.00	32.20	53.48#
97.00	22.10	29.08
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

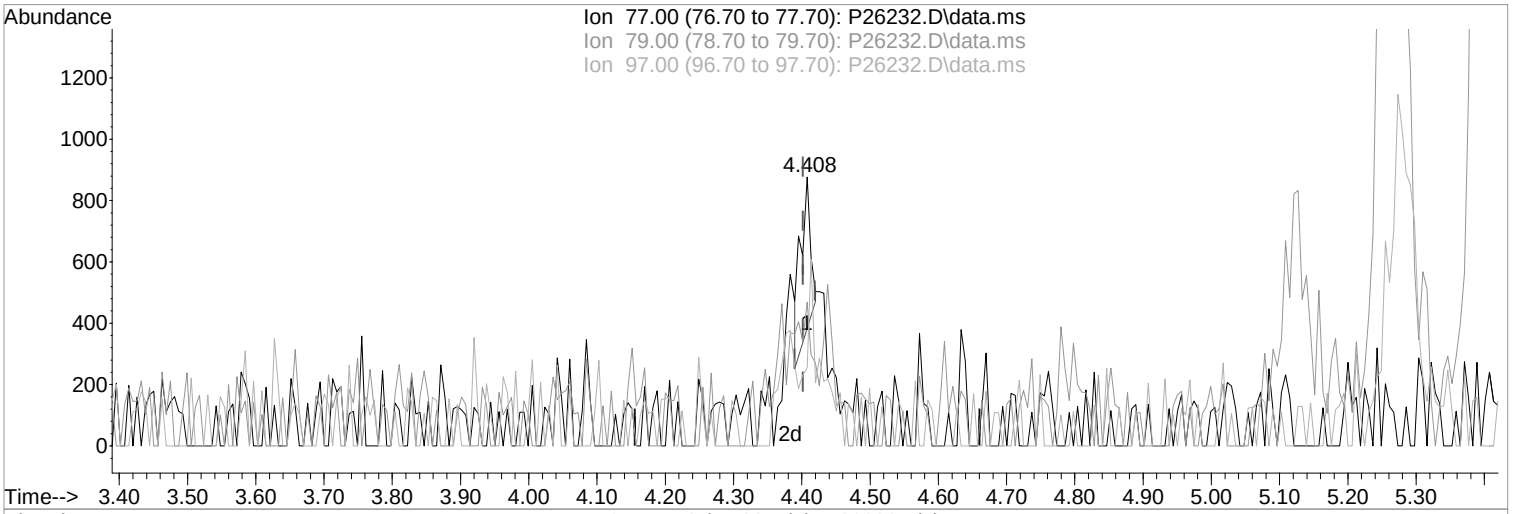
05/01/19

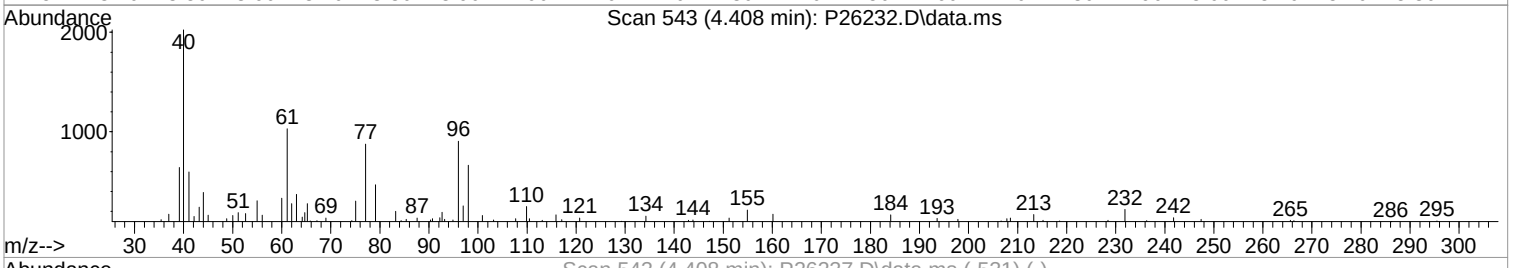
1st 05/01/19
2nd 05/02/19

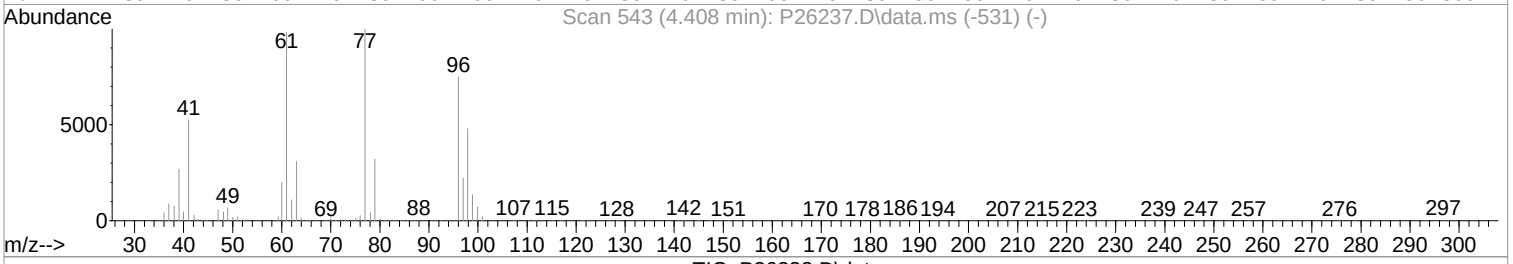
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26232.D\data.ms

(33) 2,2-Dichloropropane

4.408min (+0.006) 0.11 ppb

response 546

Ion	Exp%	Act%
77.00	100	100
79.00	32.20	53.48#
97.00	22.10	29.08
0.00	0.00	0.00

Manual Integration:

Before

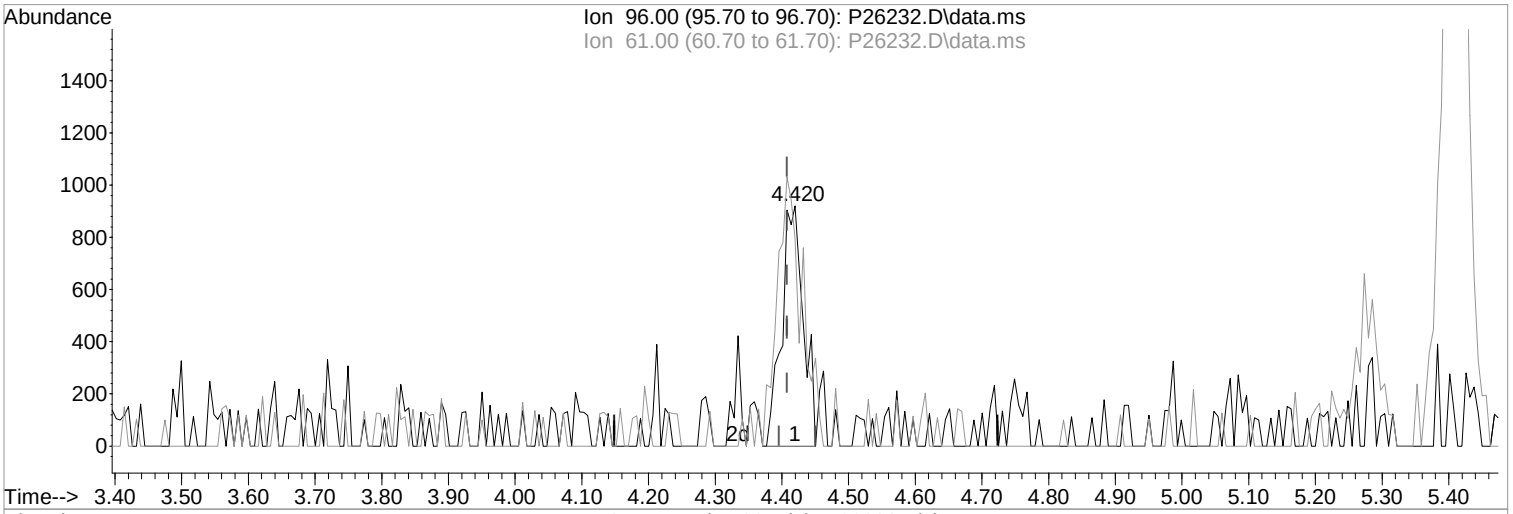
05/01/19

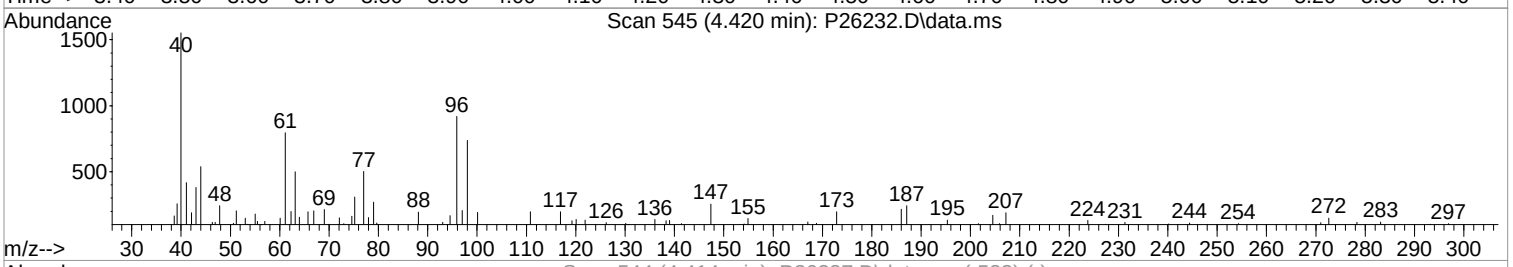
1st 05/01/19
2nd 05/02/19

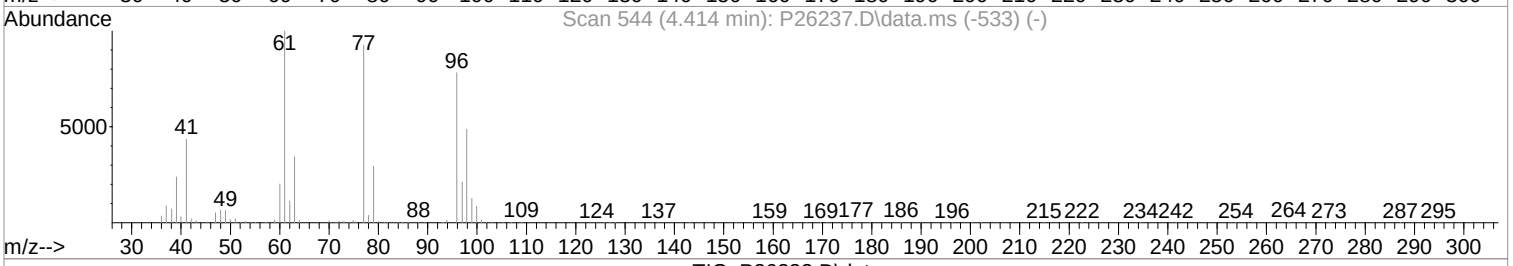
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26232.D\data.ms

(34) cis-1,2-Dichloroethene (P)

4.420min (+0.012) 0.53 ppb m

response 2083

Ion	Exp%	Act%
96.00	100	100
61.00	128.10	86.52#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Split Peak

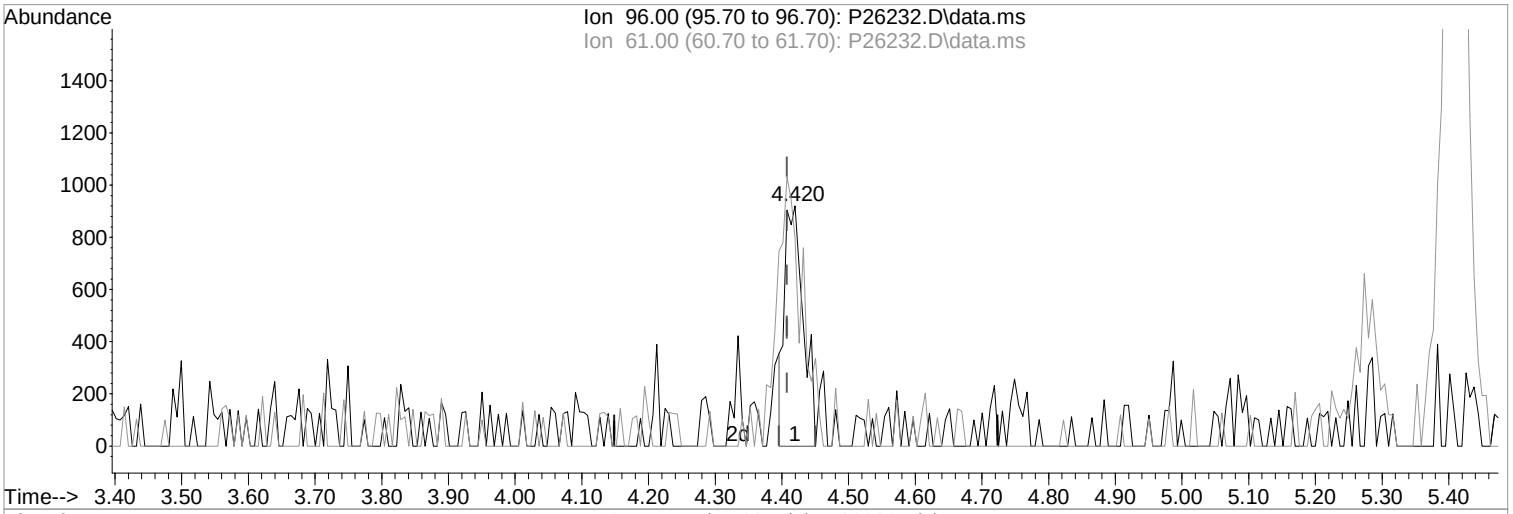
05/01/19

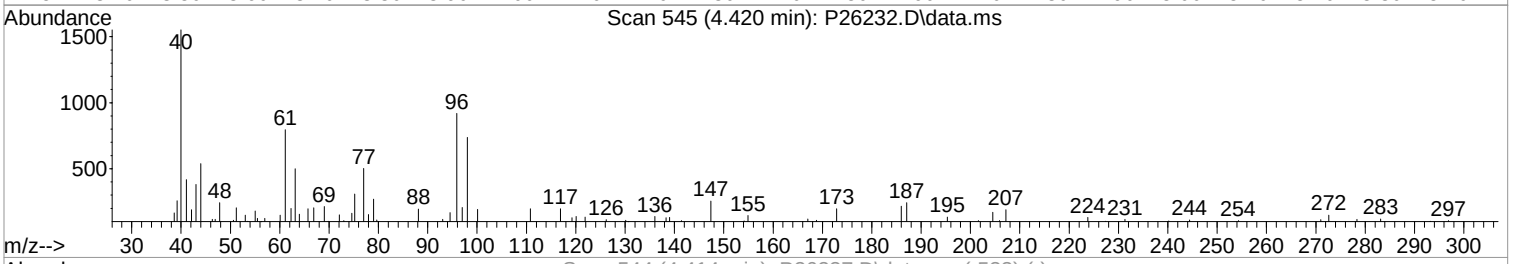
1st 05/01/19
2nd 05/02/19

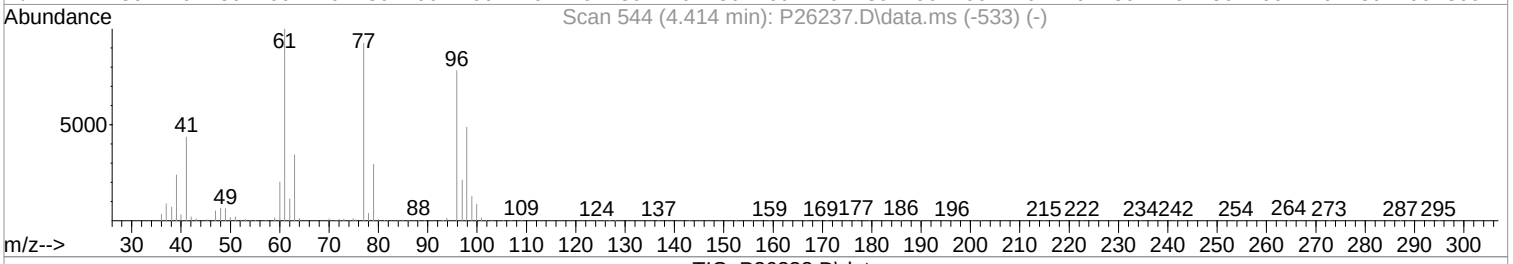
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26232.D\data.ms

(34) cis-1,2-Dichloroethene (P)

4.420min (+0.012) 0.45 ppb

response 1792

Ion	Exp%	Act%
96.00	100	100
61.00	128.10	86.52#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

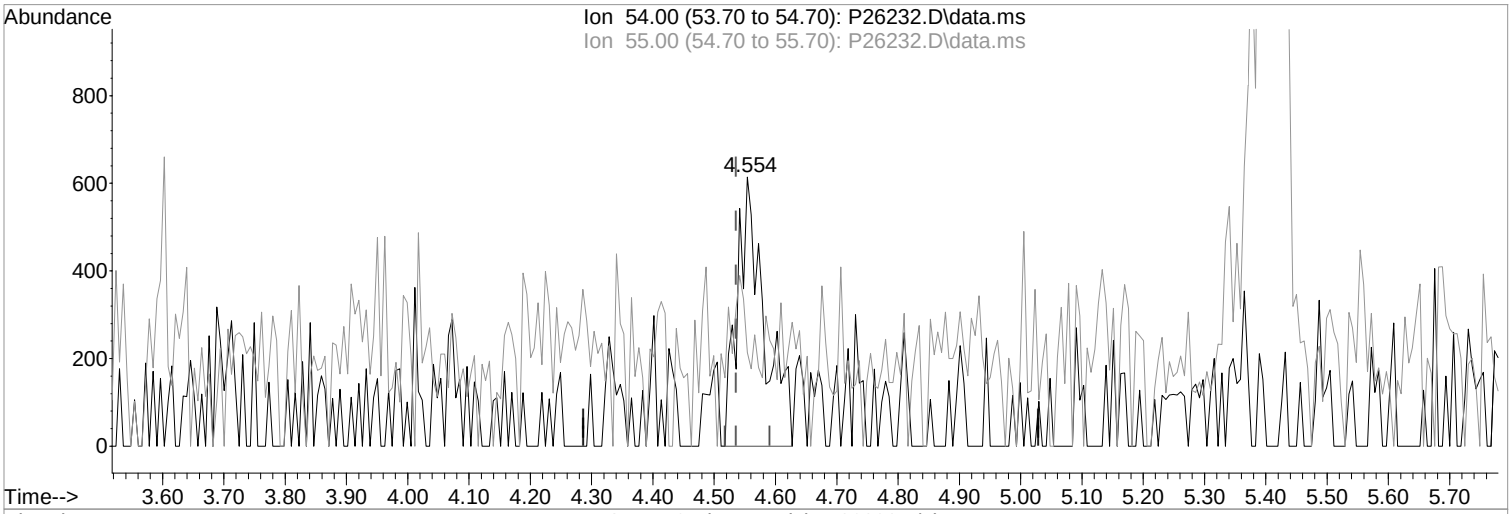
05/01/19

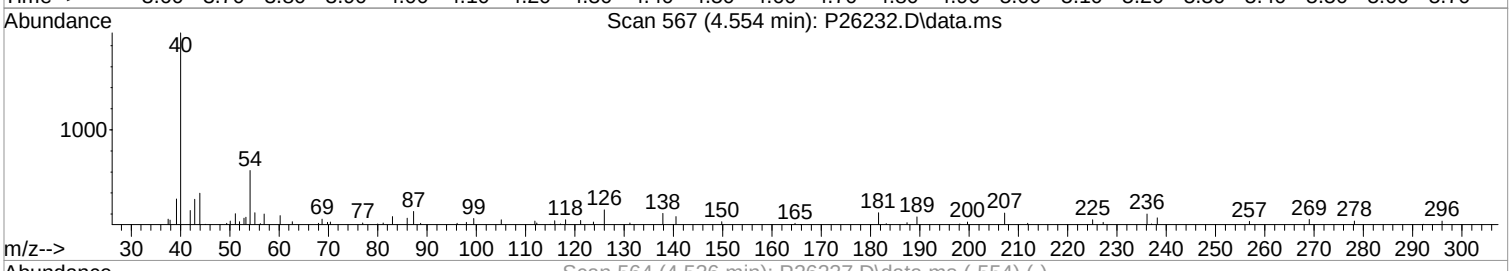
1st 05/01/19
2nd 05/02/19

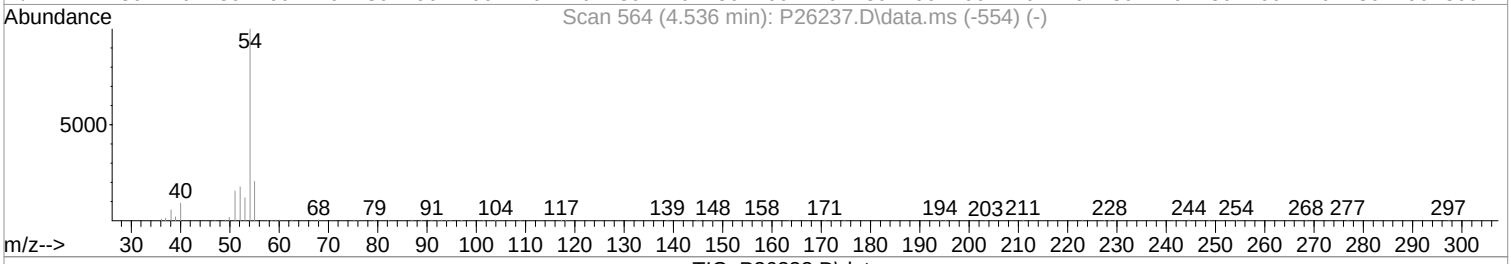
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26232.D\data.ms

(36) Propionitrile

4.554min (+0.018) 2.57 ppb m

response 1858

Ion	Exp%	Act%
54.00	100	100
55.00	21.30	34.85
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

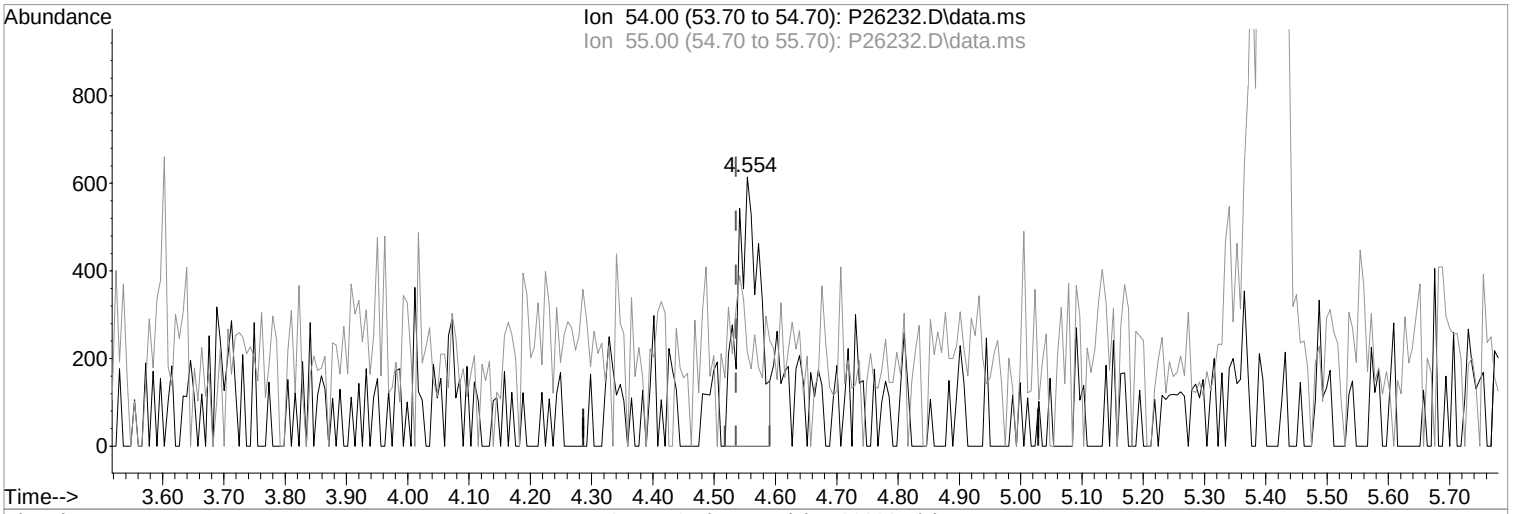
05/01/19

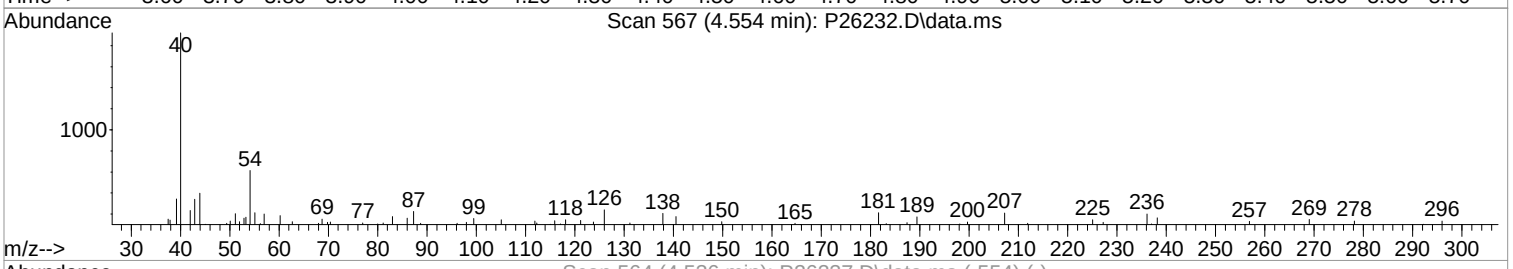
1st 05/01/19
2nd 05/02/19

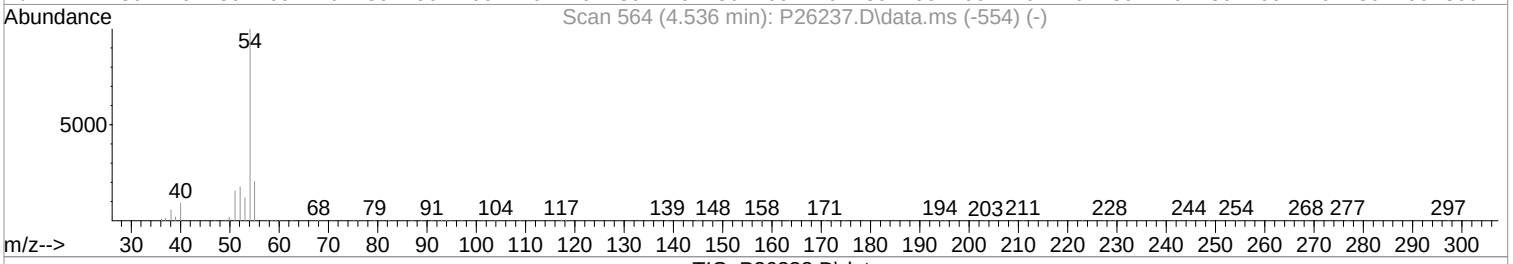
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26232.D\data.ms

(36) Propionitrile

4.554min (+0.018) 2.10 ppb

response 1513

Ion	Exp%	Act%
54.00	100	100
55.00	21.30	34.85
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

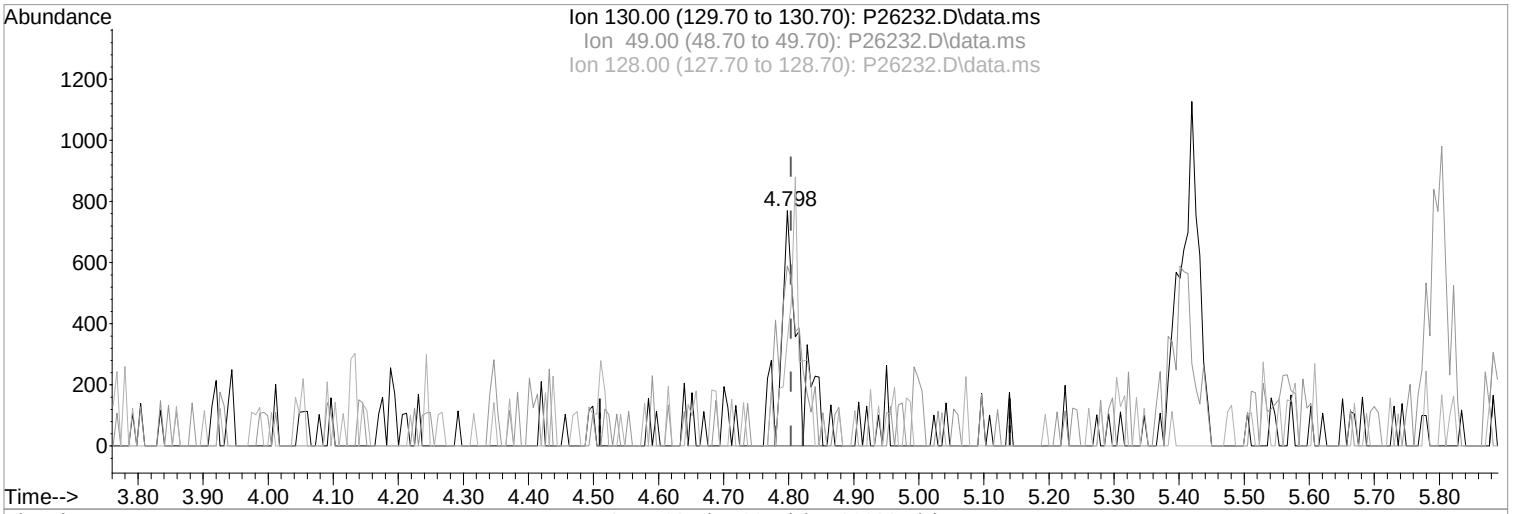
05/01/19

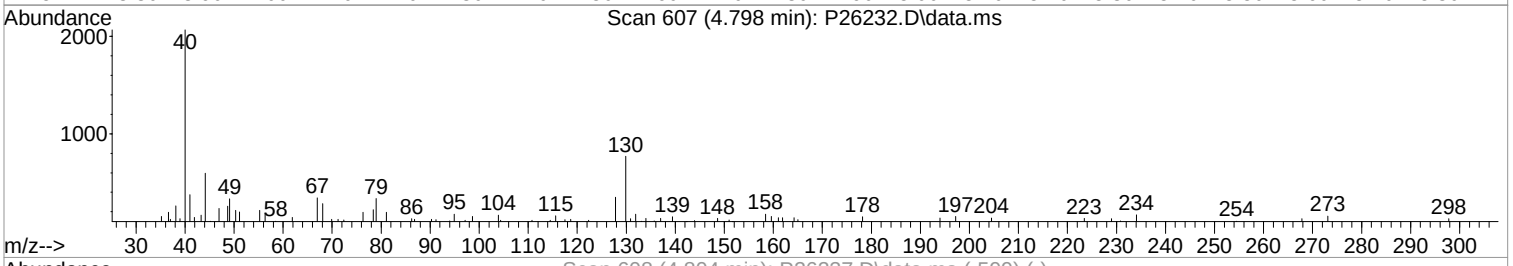
1st 05/01/19
2nd 05/02/19

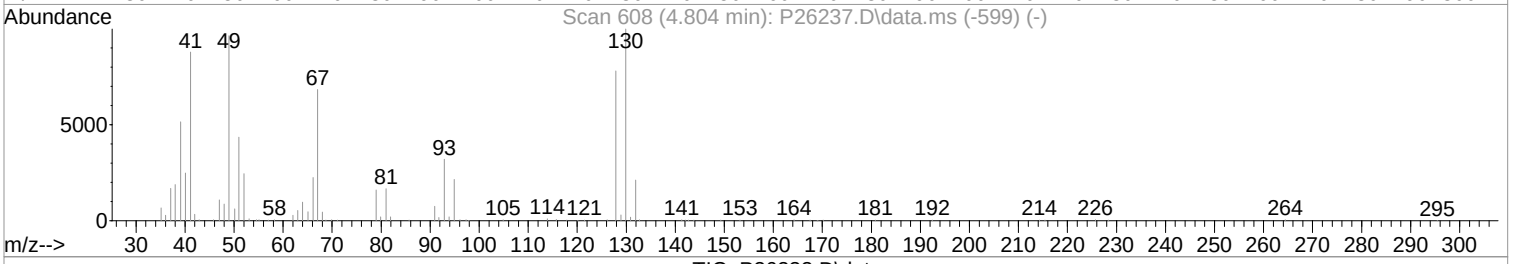
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26232.D\data.ms

(37) Bromochloromethane

4.798min (-0.006) 0.58 ppb m

response 1529

Ion	Exp%	Act%
130.00	100	100
49.00	96.80	42.99#
128.00	78.80	45.19#
0.00	0.00	0.00

Manual Integration:

After

Split Peak

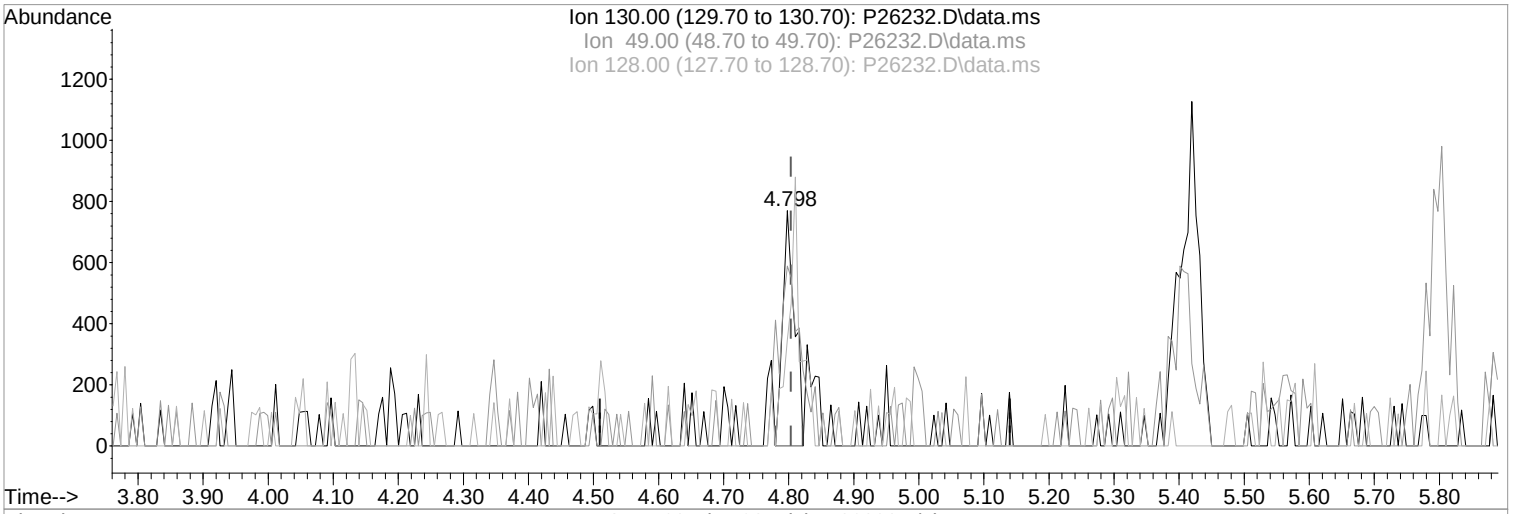
05/01/19

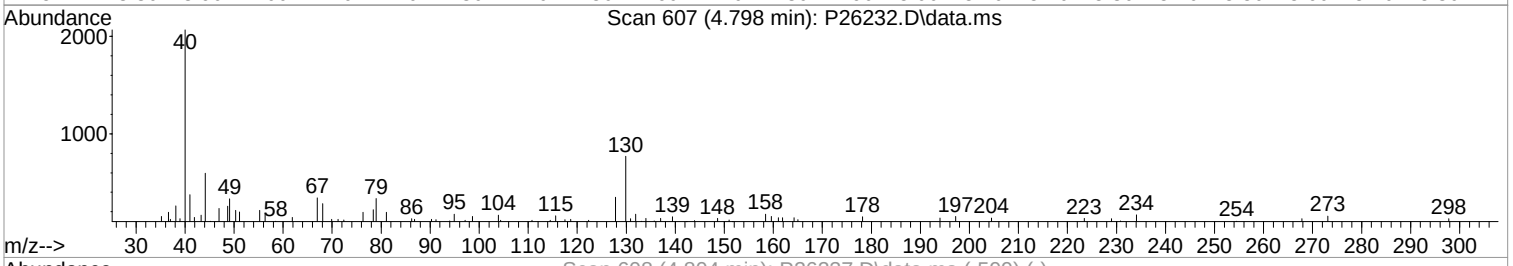
1st 05/01/19
2nd 05/02/19

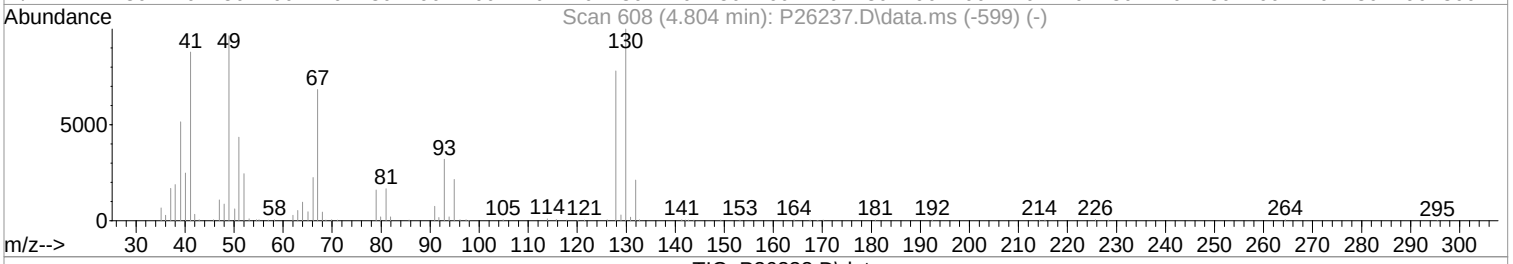
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26232.D\data.ms

(37) Bromochloromethane

4.798min (-0.006) 0.37 ppb

response 987

Ion	Exp%	Act%
130.00	100	100
49.00	96.80	76.49#
128.00	78.80	45.19#
0.00	0.00	0.00

Manual Integration:

Before

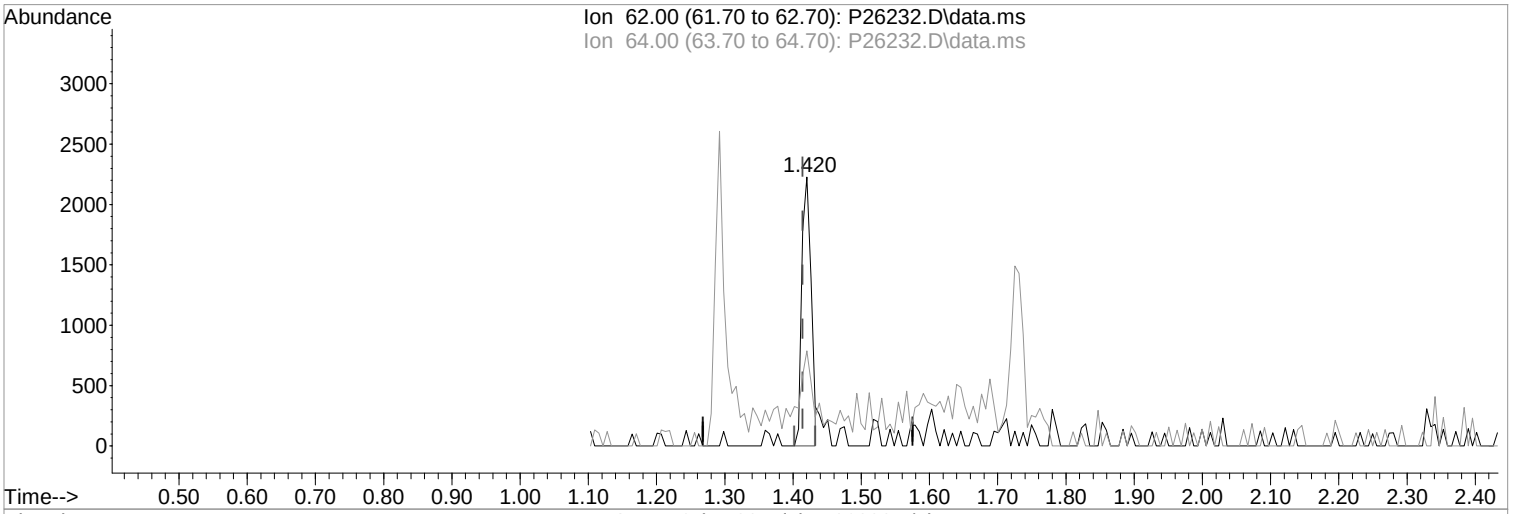
05/01/19

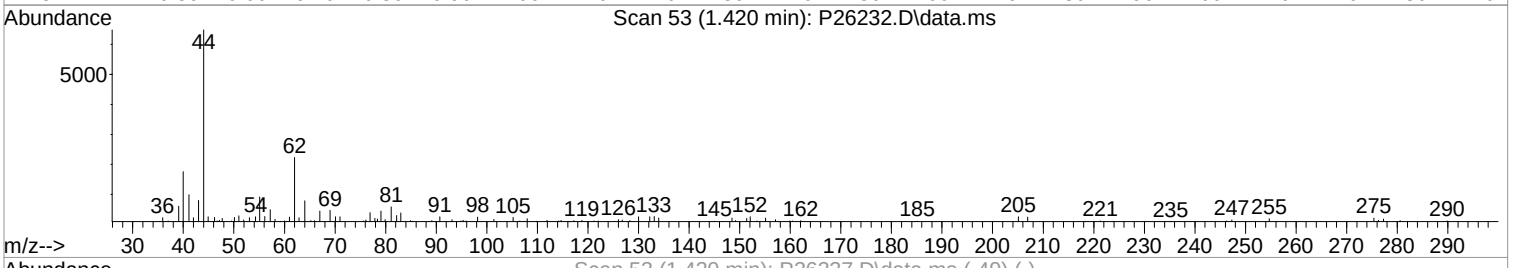
1st 05/01/19
2nd 05/02/19

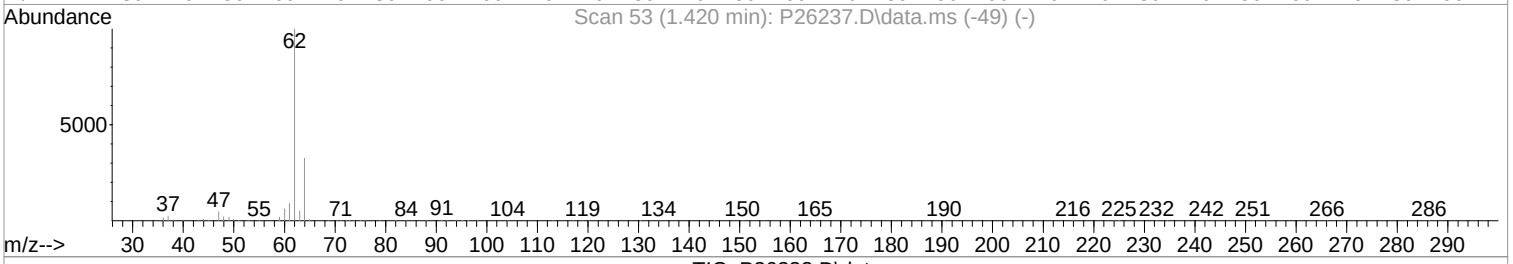
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26232.D\data.ms

(4) Vinyl Chloride (P)

1.420min (+0.006) 0.56 ppb m

response 2149

Ion	Exp%	Act%
62.00	100	100
64.00	32.50	35.37
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

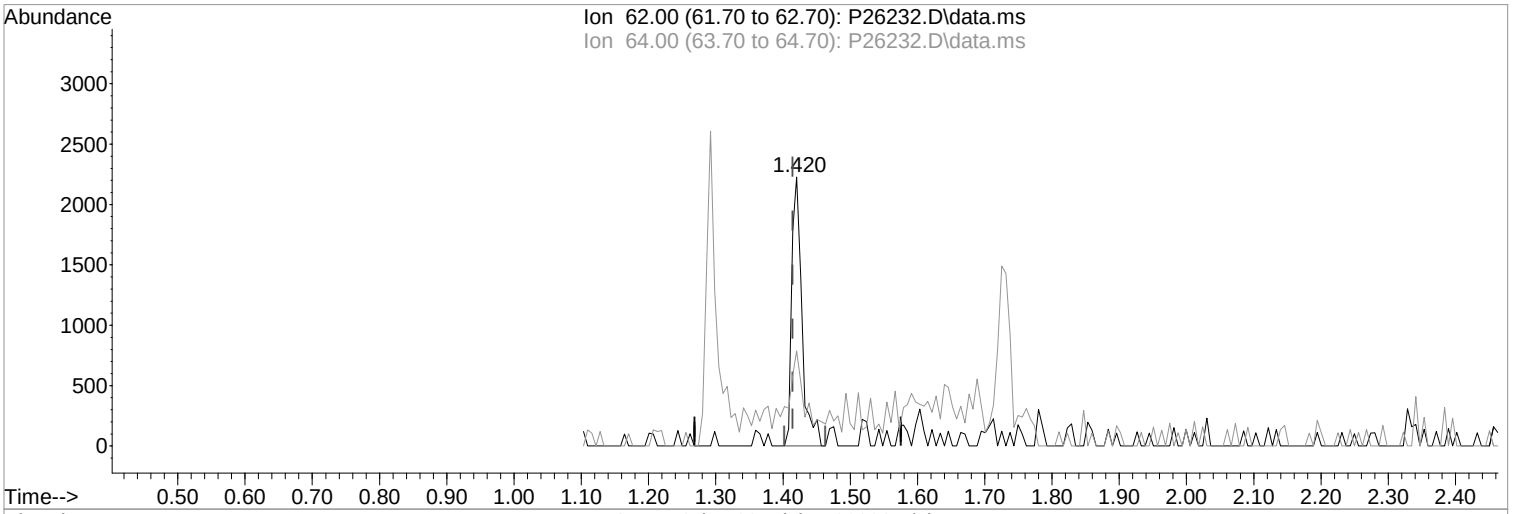
05/01/19

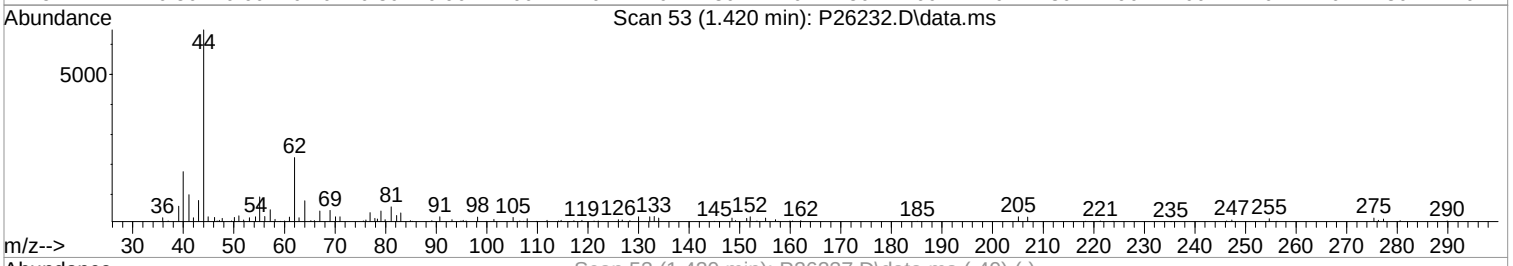
1st 05/01/19
2nd 05/02/19

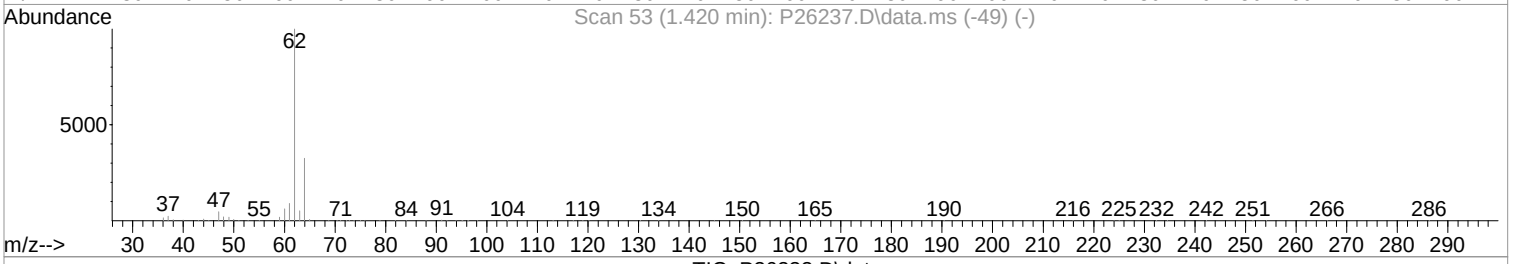
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26232.D\data.ms

(4) Vinyl Chloride (P)

1.420min (+0.006) 0.62 ppb

response 2380

Ion	Exp%	Act%
62.00	100	100
64.00	32.50	35.37
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

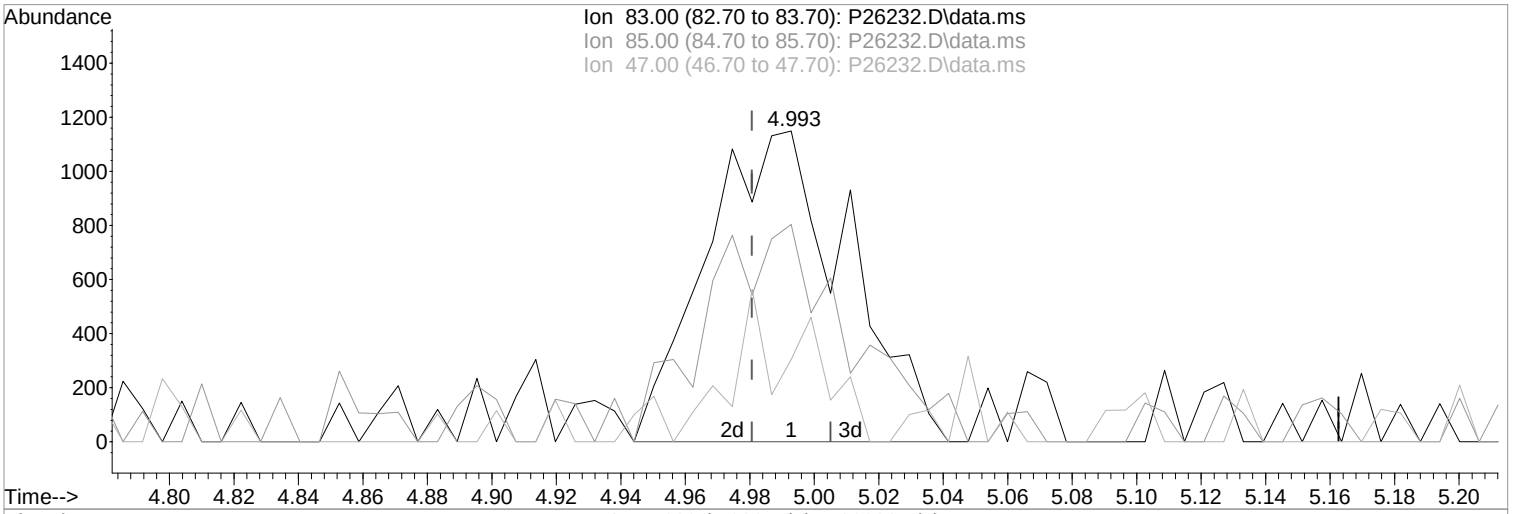
05/01/19

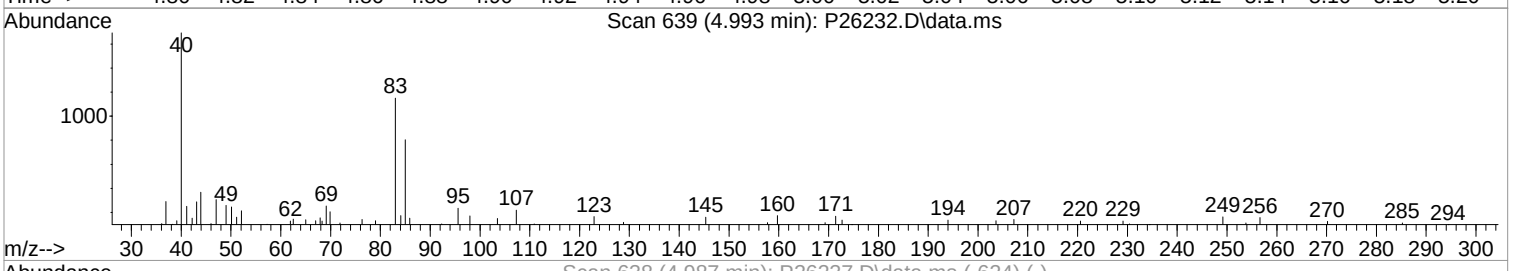
1st 05/01/19
2nd 05/02/19

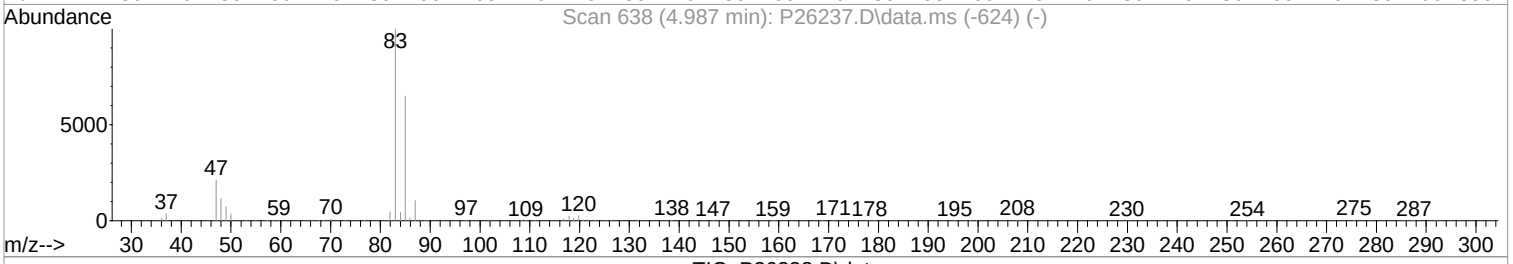
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26232.D\data.ms

(40) Chloroform (P)

4.993min (+0.012) 0.61 ppb m

response 3509

Ion	Exp%	Act%
83.00	100	100
85.00	64.80	69.97
47.00	21.20	26.54
0.00	0.00	0.00

Manual Integration:

After

Split Peak

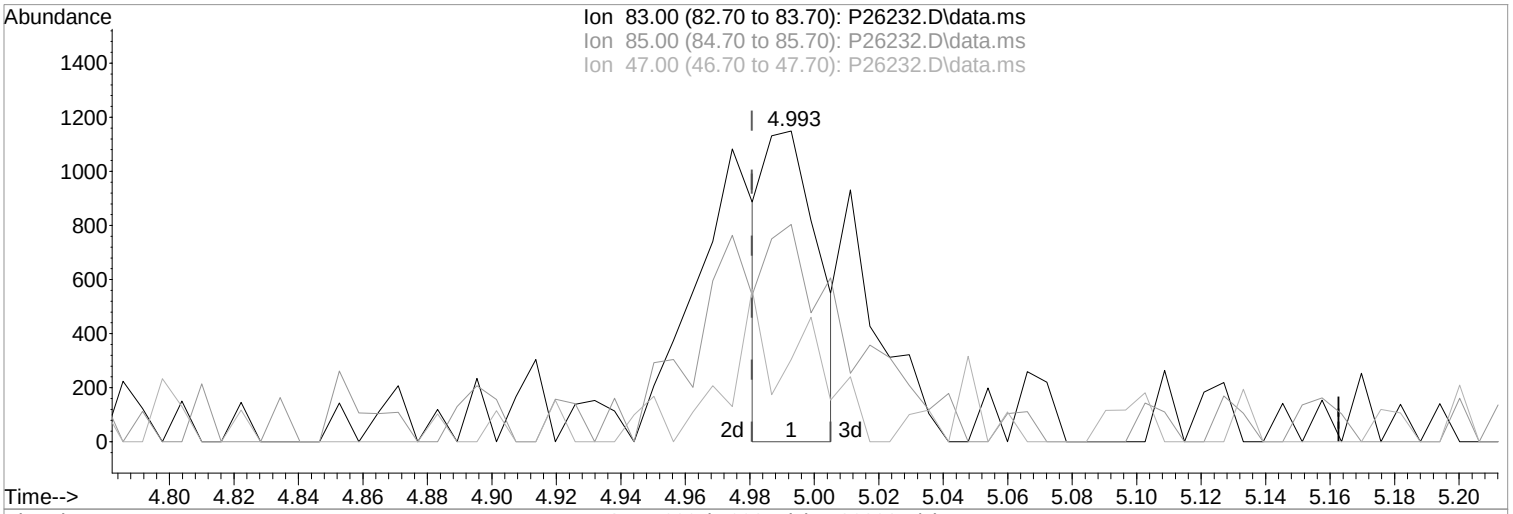
05/01/19

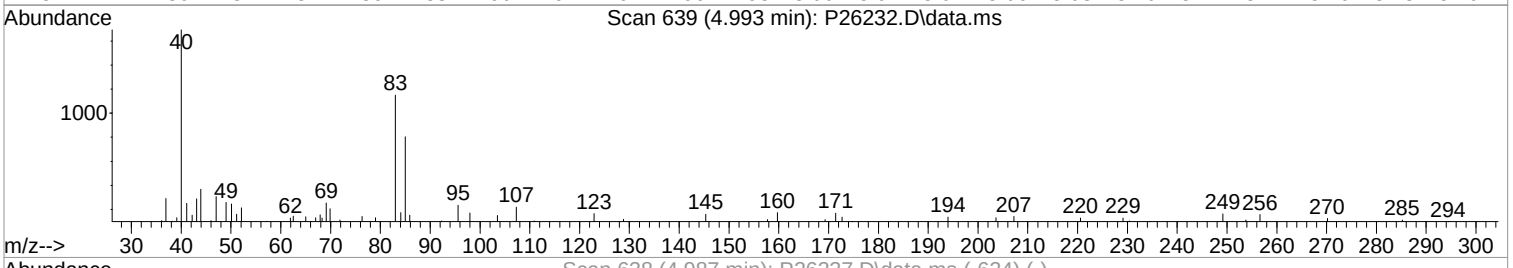
1st 05/01/19
2nd 05/02/19

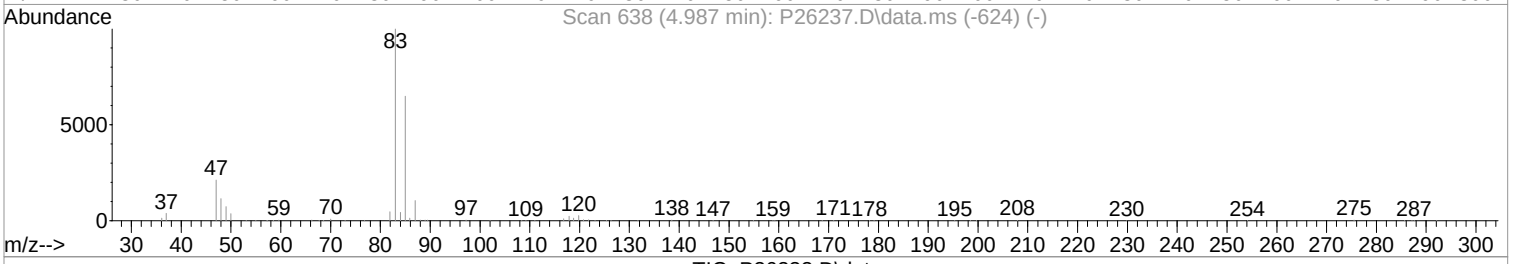
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26232.D\data.ms

(40) Chloroform (P)

4.993min (+0.012) 0.23 ppb

response 1334

Ion	Exp%	Act%
83.00	100	100
85.00	64.80	69.97
47.00	21.20	26.54
0.00	0.00	0.00

Manual Integration:

Before

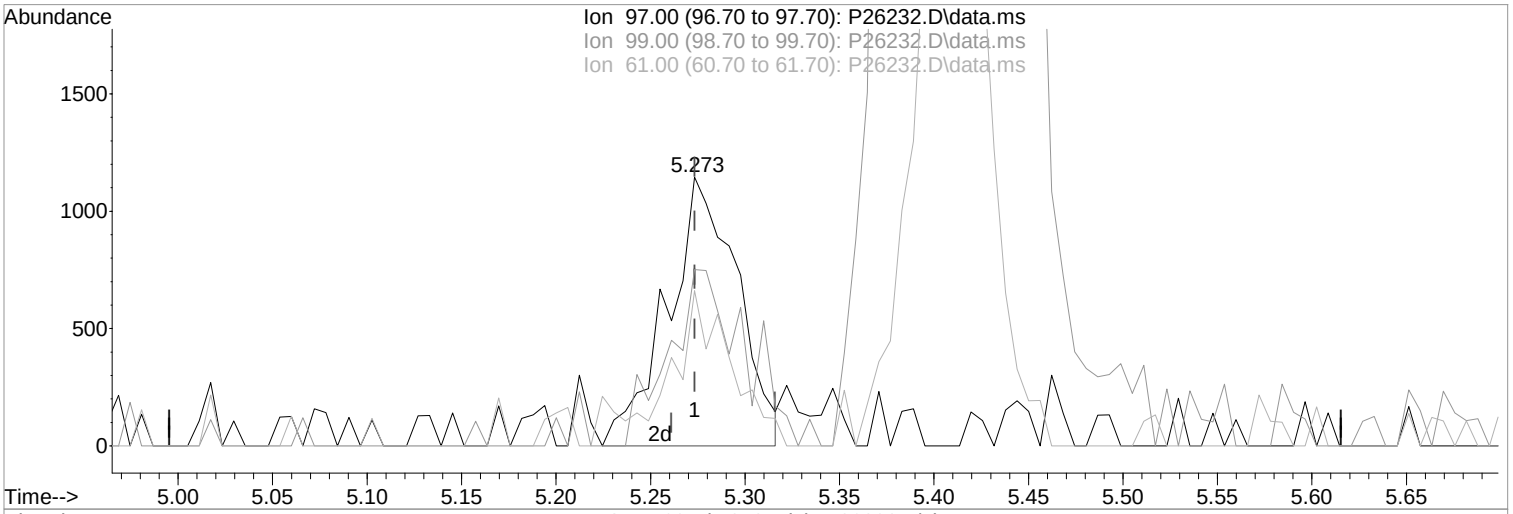
05/01/19

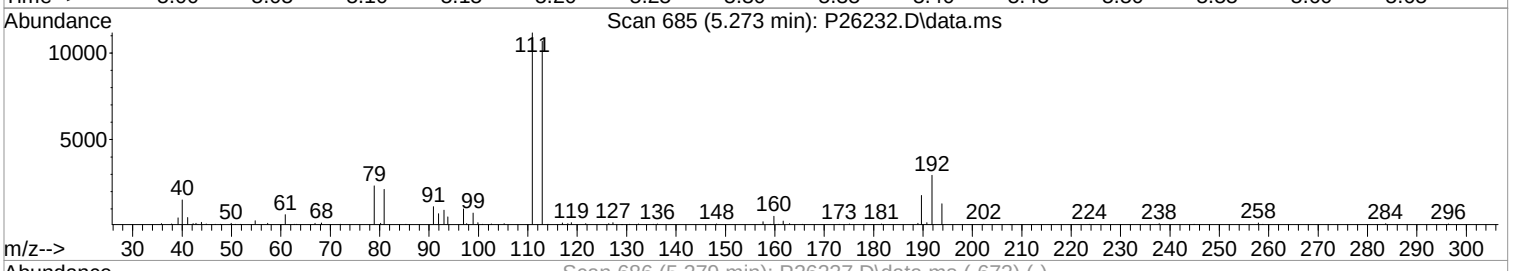
1st 05/01/19
2nd 05/02/19

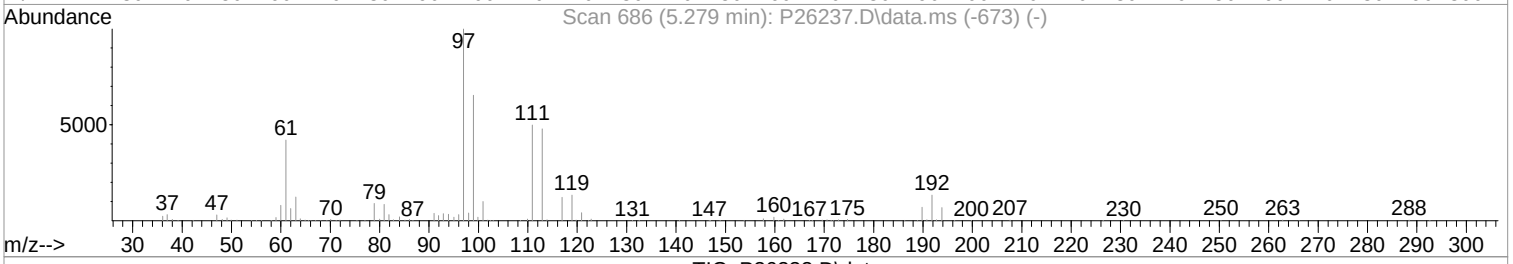
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26232.D\data.ms

(41) 1,1,1-Trichloroethane (P)

5.273min (-0.000) 0.54 ppb m

response 2936

Ion	Exp%	Act%
97.00	100	100
99.00	65.30	75.43
61.00	41.90	66.30#
0.00	0.00	0.00

Manual Integration:

After

Split Peak

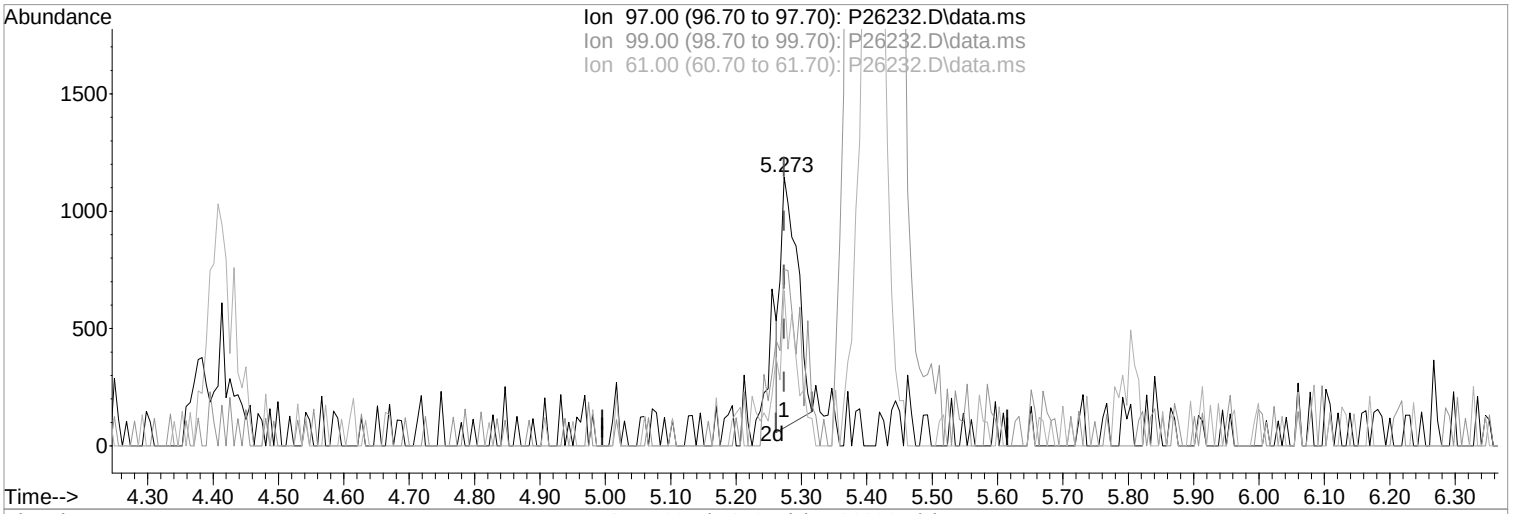
05/01/19

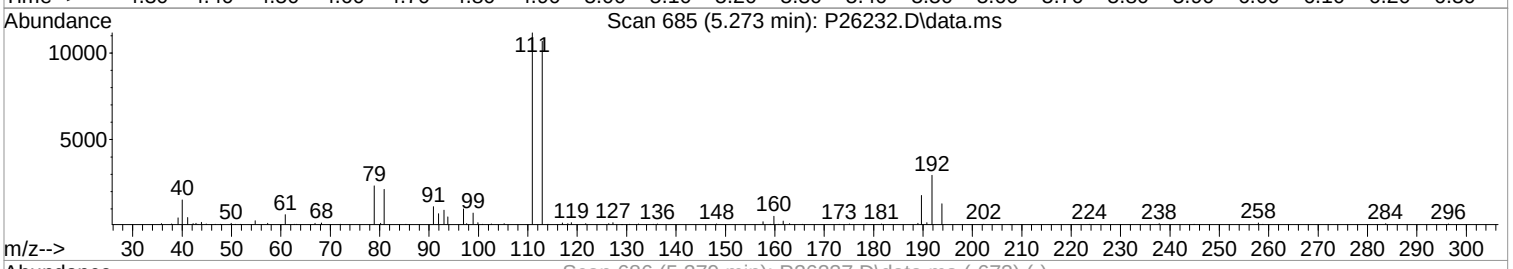
1st 05/01/19
2nd 05/02/19

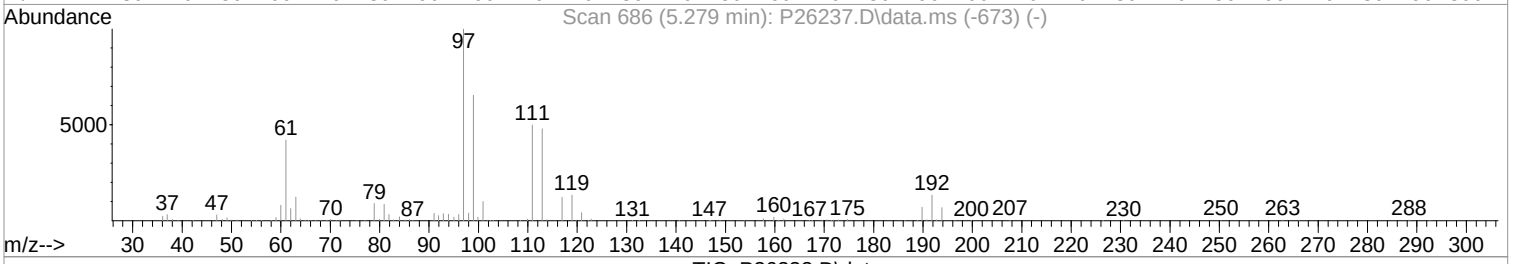
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26232.D\data.ms

(41) 1,1,1-Trichloroethane (P)

5.273min (-0.000) 0.35 ppb

response 1895

Ion	Exp%	Act%
97.00	100	100
99.00	65.30	65.62
61.00	41.90	57.68
0.00	0.00	0.00

Manual Integration:

Before

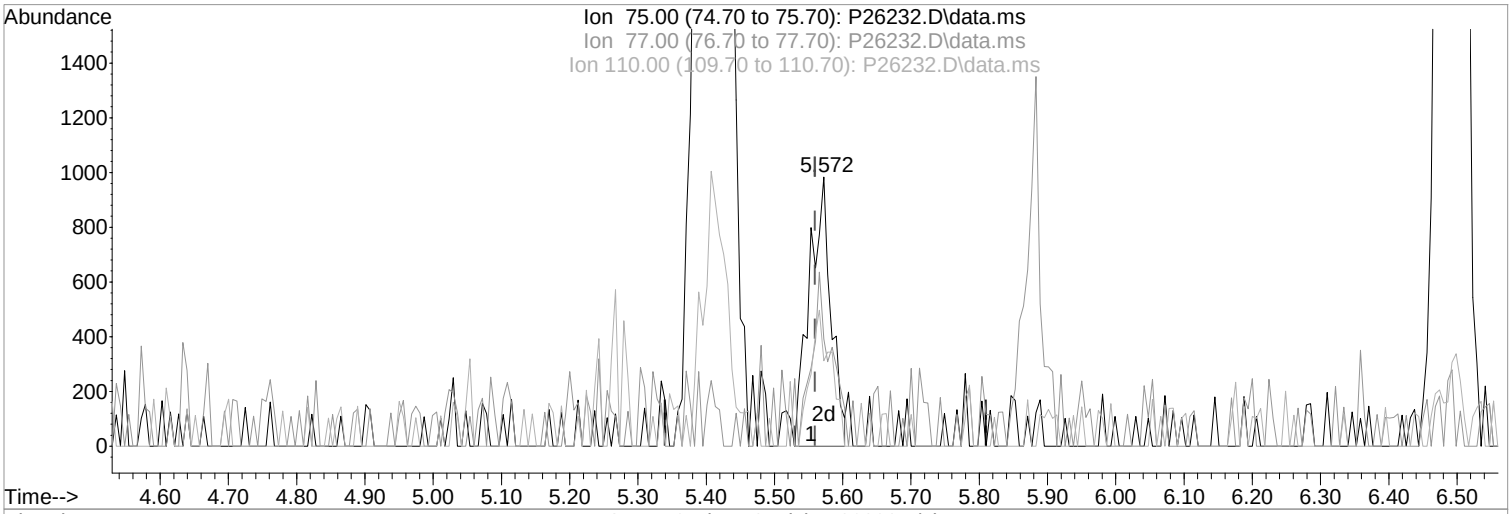
05/01/19

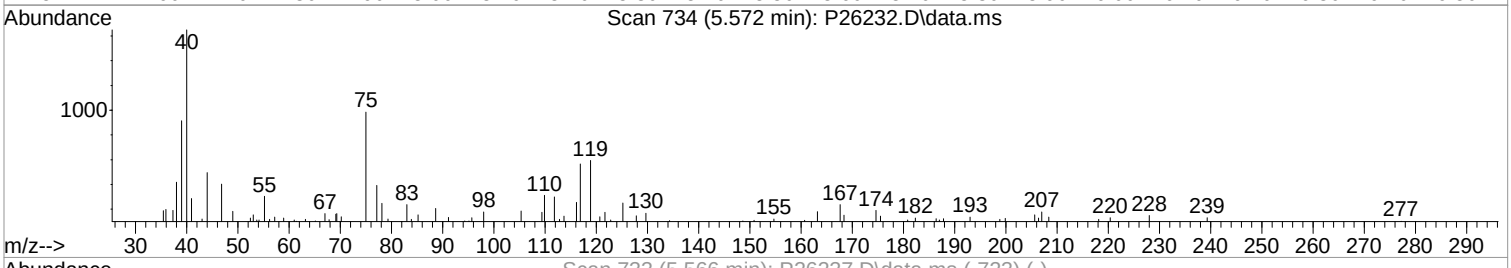
1st 05/01/19
2nd 05/02/19

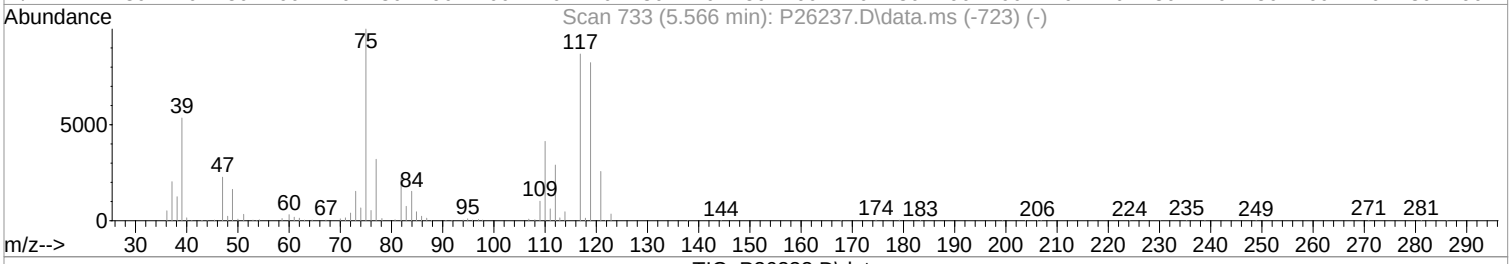
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26232.D\data.ms

(47) 1,1-Dichloropropene

5.572min (+0.012) 0.52 ppb m

response 2156

Ion	Exp%	Act%
75.00	100	100
77.00	32.10	39.88
110.00	41.40	31.74
0.00	0.00	0.00

Manual Integration:

After

Split Peak

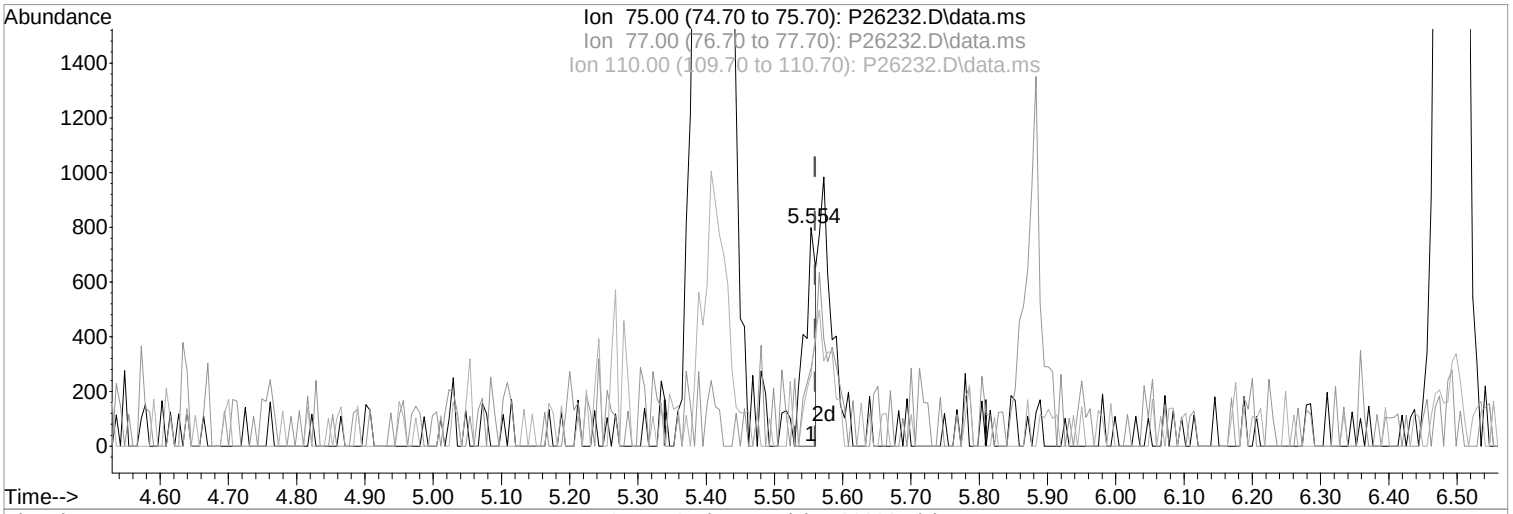
05/01/19

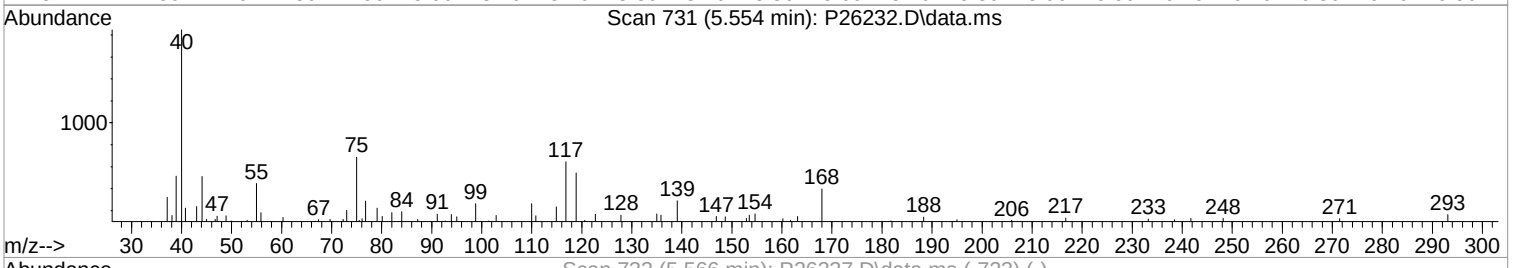
1st 05/01/19
2nd 05/02/19

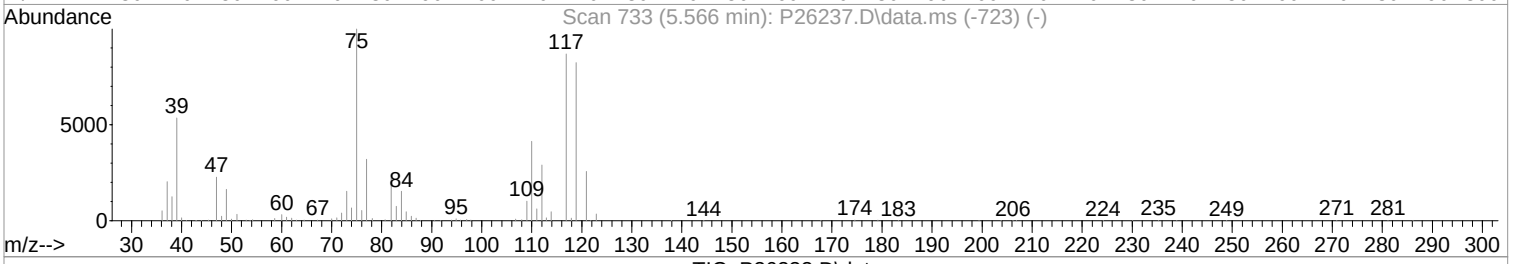
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26232.D\data.ms

(47) 1,1-Dichloropropene

5.554min (-0.006) 0.22 ppb

response 904

Ion	Exp%	Act%
75.00	100	100
77.00	32.10	35.71
110.00	41.40	32.96
0.00	0.00	0.00

Manual Integration:

Before

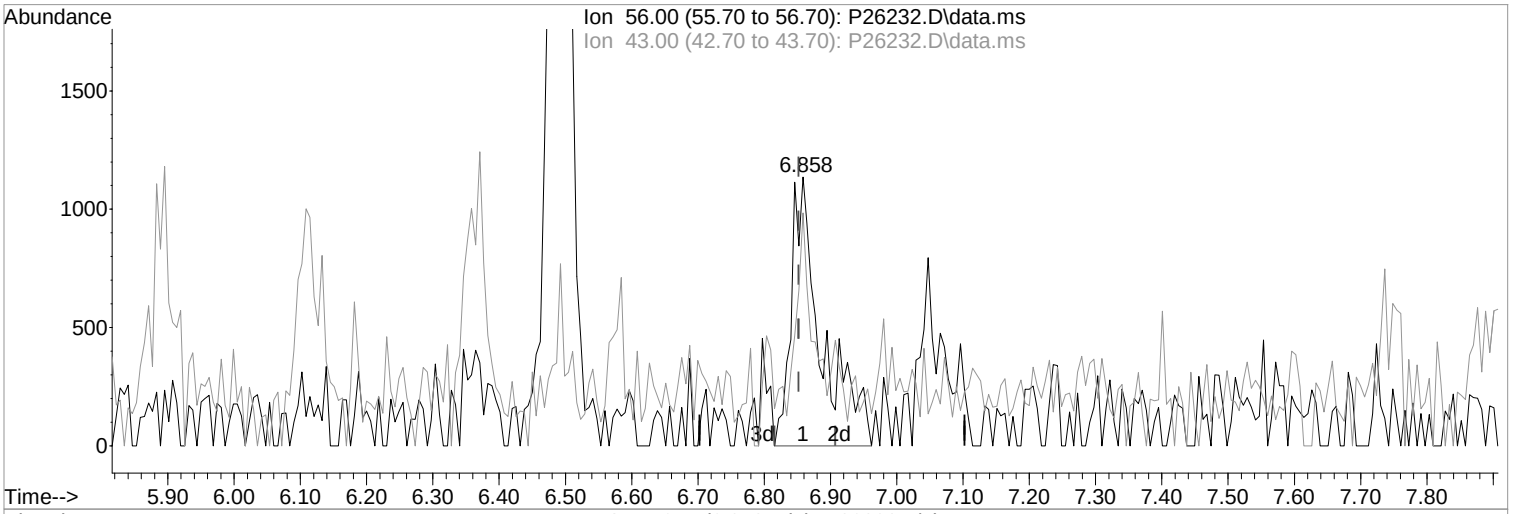
05/01/19

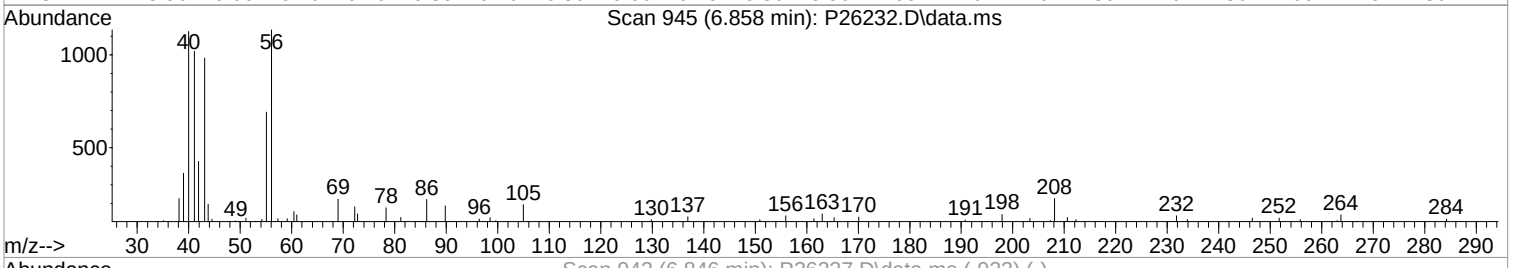
1st 05/01/19
2nd 05/02/19

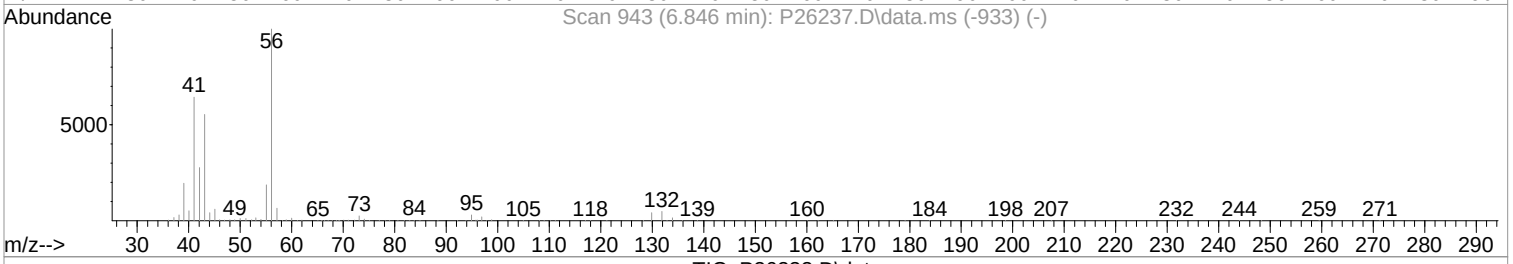
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26232.D\data.ms

(53) 1-Butanol

6.858min (+0.006) 18.49 ppb m

response 3595

Ion	Exp%	Act%
56.00	100	100
43.00	52.80	43.28
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Split Peak

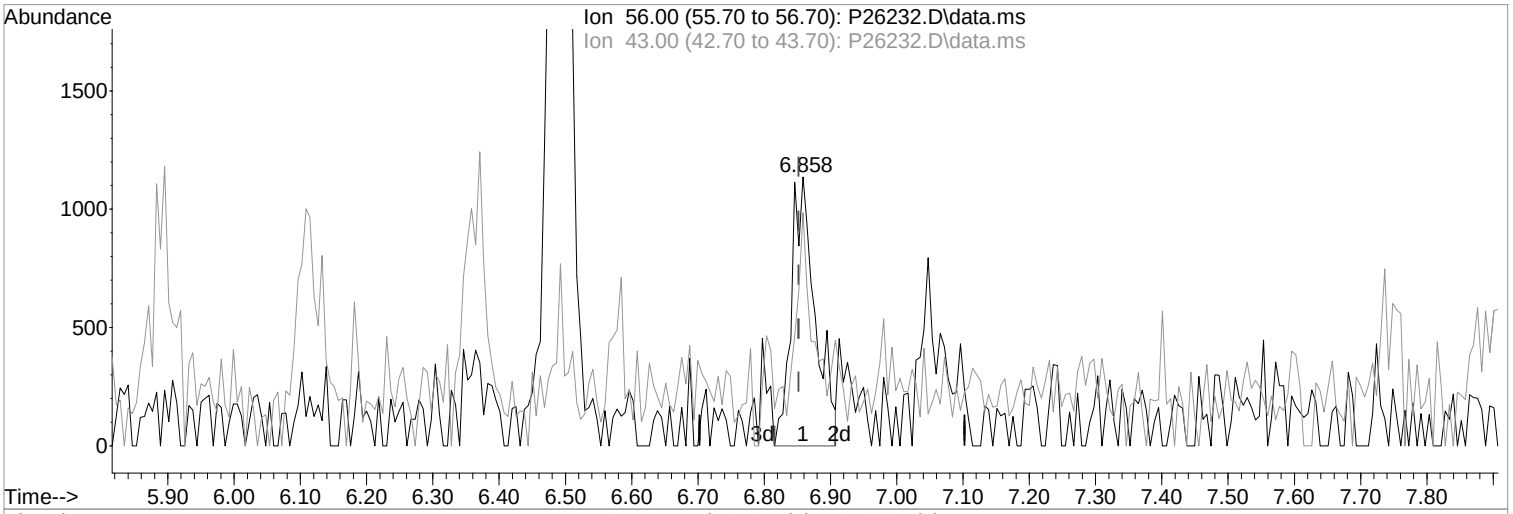
05/01/19

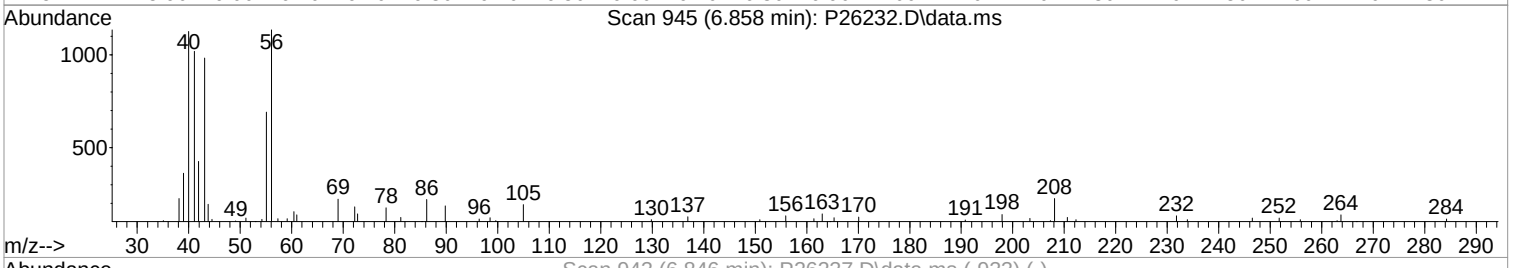
1st 05/01/19
2nd 05/02/19

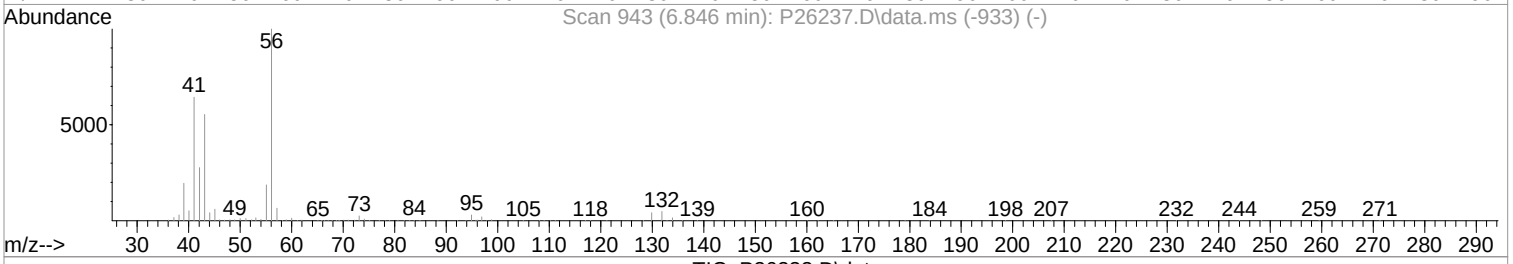
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26232.D\data.ms

(53) 1-Butanol

6.858min (+0.006) 14.65 ppb

response 2848

Ion	Exp%	Act%
56.00	100	100
43.00	52.80	54.63
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

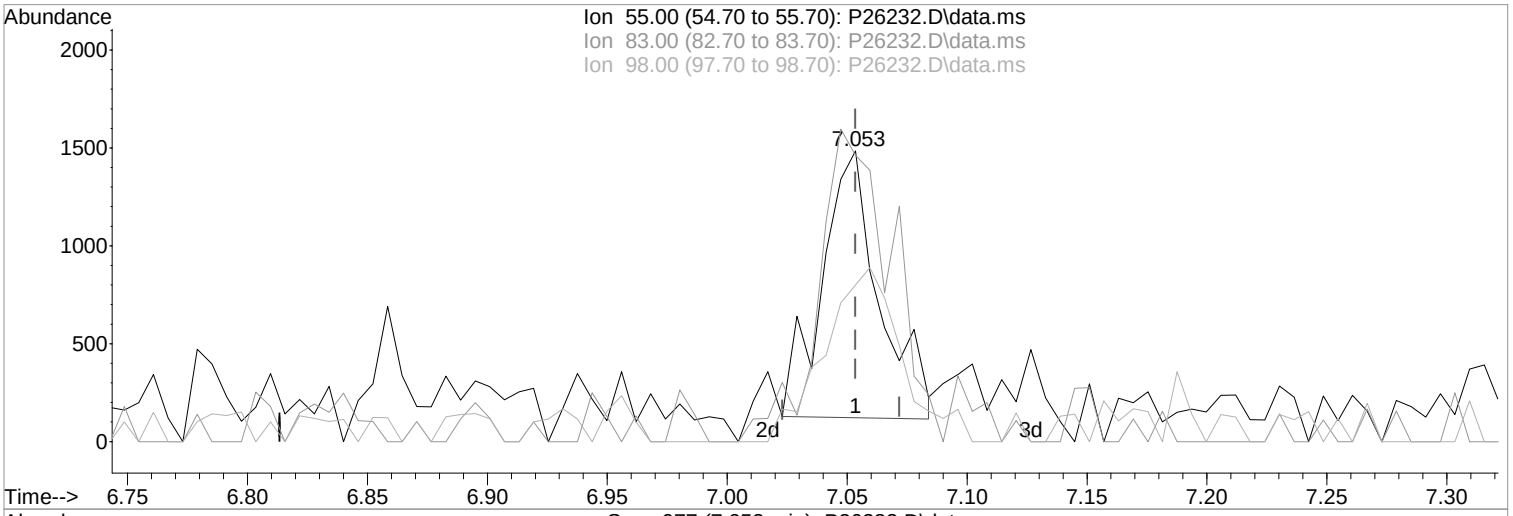
05/01/19

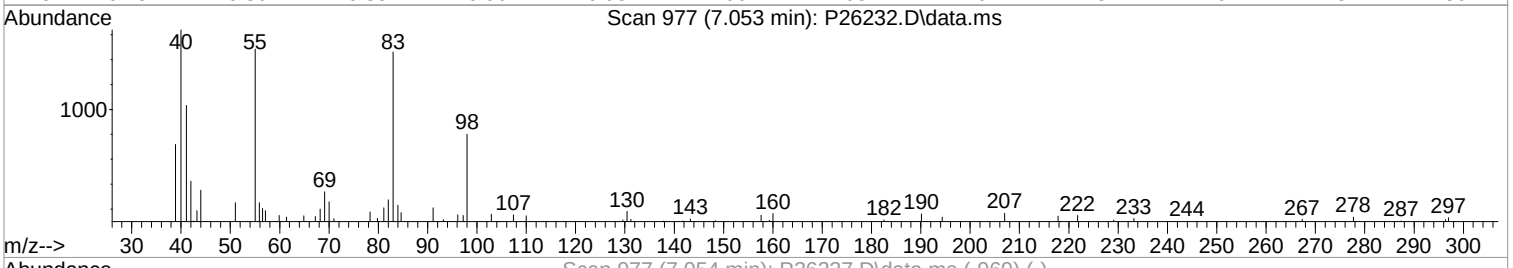
1st 05/01/19
2nd 05/02/19

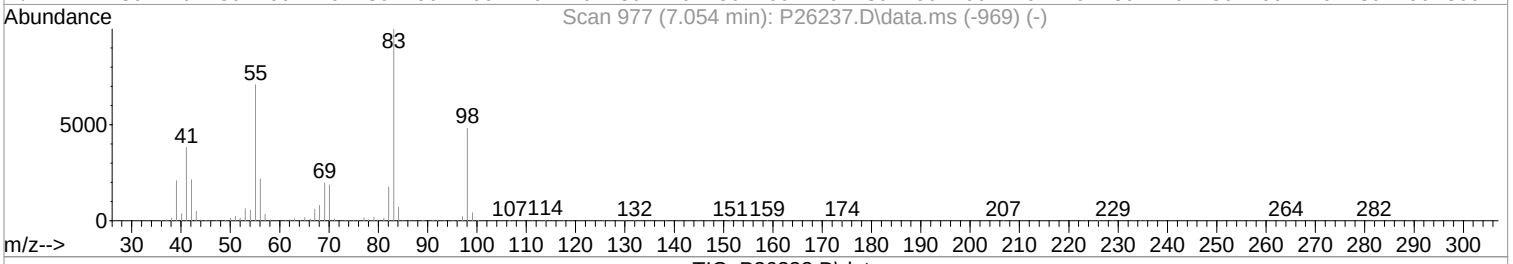
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26232.D\data.ms

(55) Methylcyclohexane (P)

7.053min (-0.000) 0.59 ppb m

response 2287

Ion	Exp%	Act%
55.00	100	100
83.00	140.30	98.45#
98.00	67.50	53.87
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

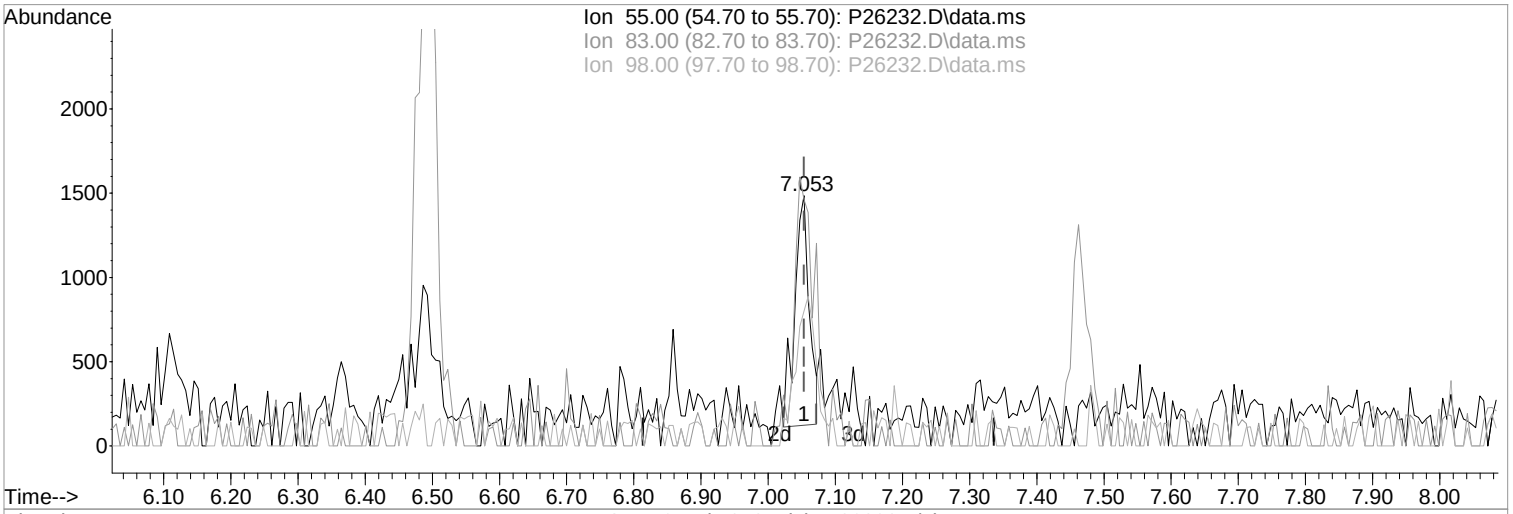
05/01/19

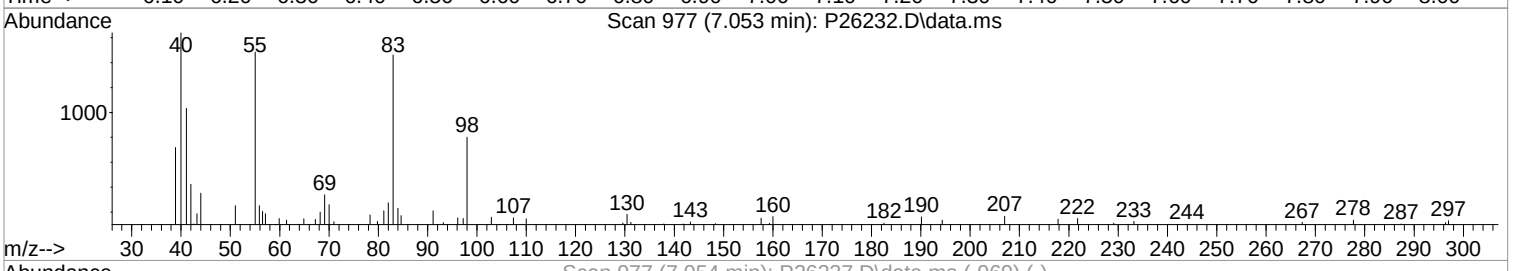
1st 05/01/19
2nd 05/02/19

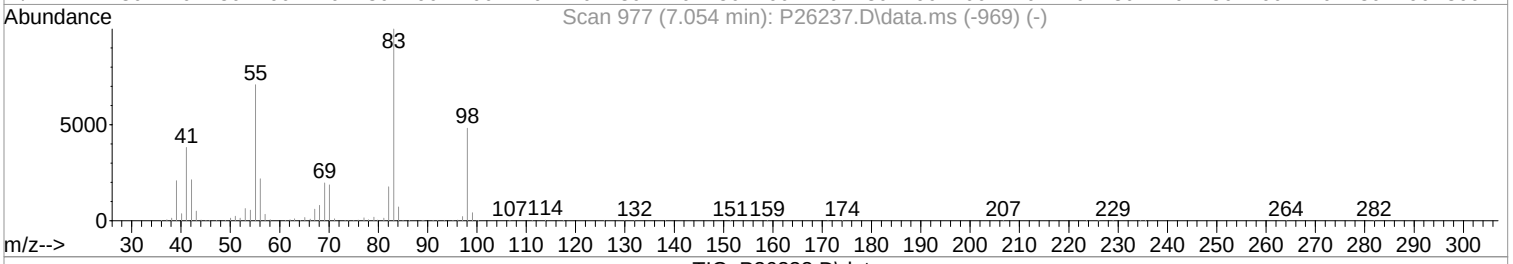
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26232.D\data.ms

(55) Methylcyclohexane (P)

7.053min (-0.000) 0.54 ppb

response 2084

Ion	Exp%	Act%
55.00	100	100
83.00	140.30	98.45#
98.00	67.50	53.87
0.00	0.00	0.00

Manual Integration:

Before

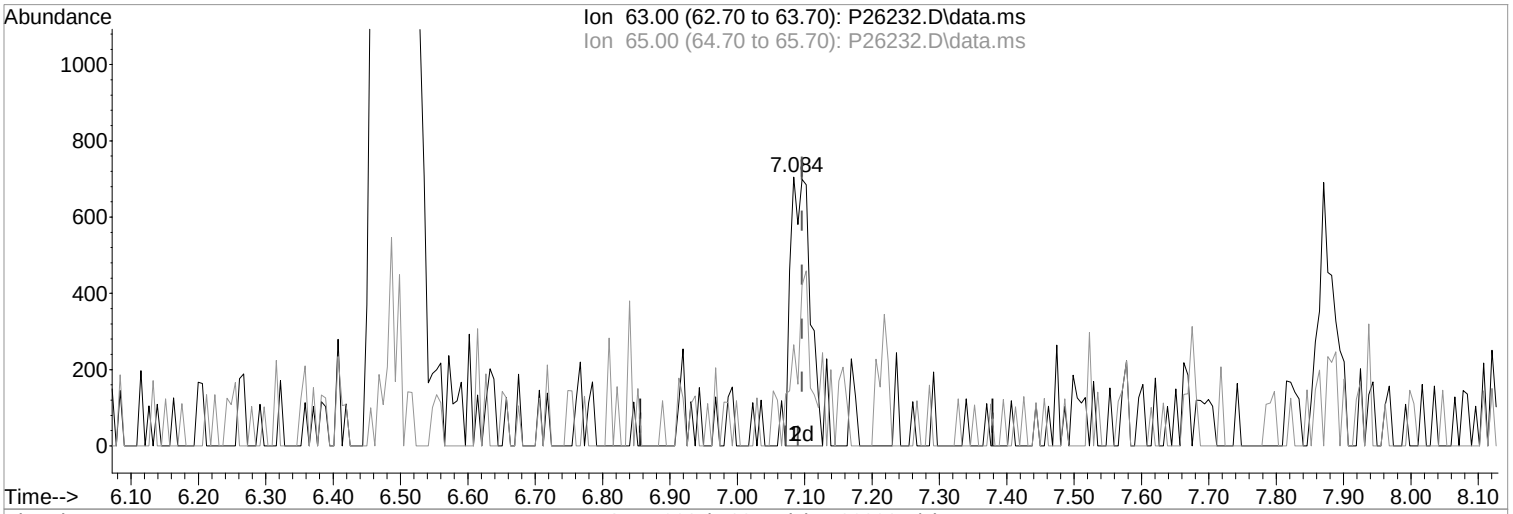
05/01/19

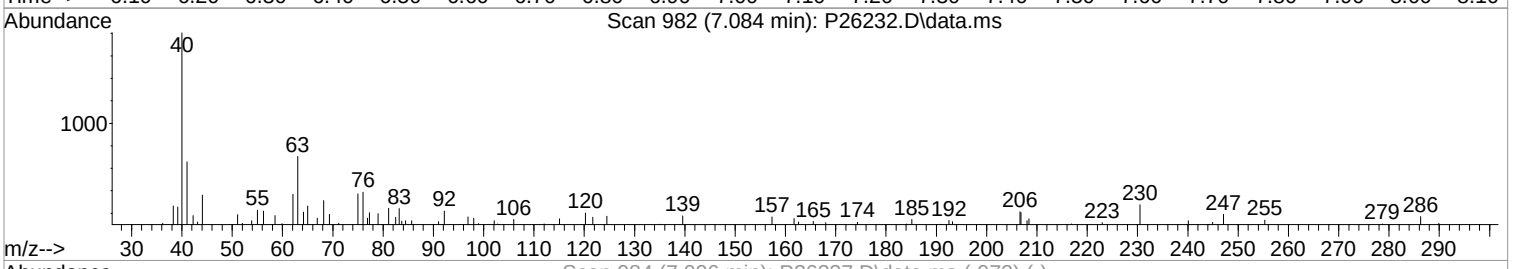
1st 05/01/19
2nd 05/02/19

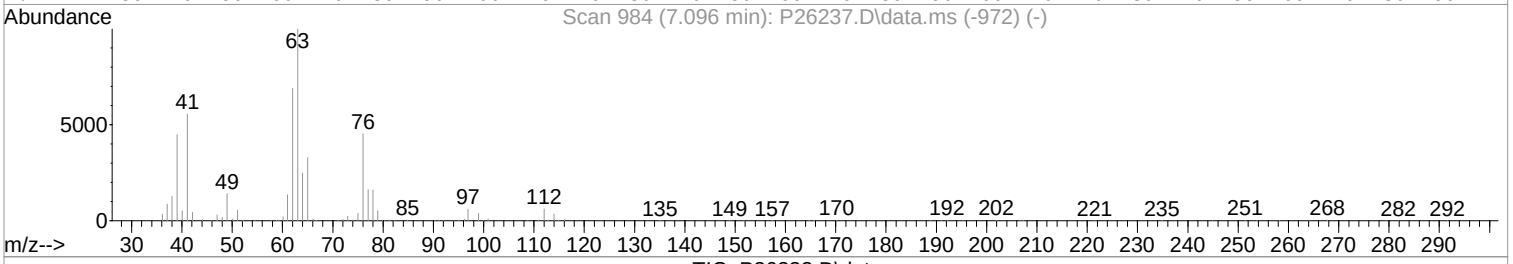
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26232.D\data.ms

(56) 1,2-Diclpropane (P)

7.084min (-0.012) 0.45 ppb m

response 1419

Ion	Exp%	Act%
63.00	100	100
65.00	32.80	37.59
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Split Peak

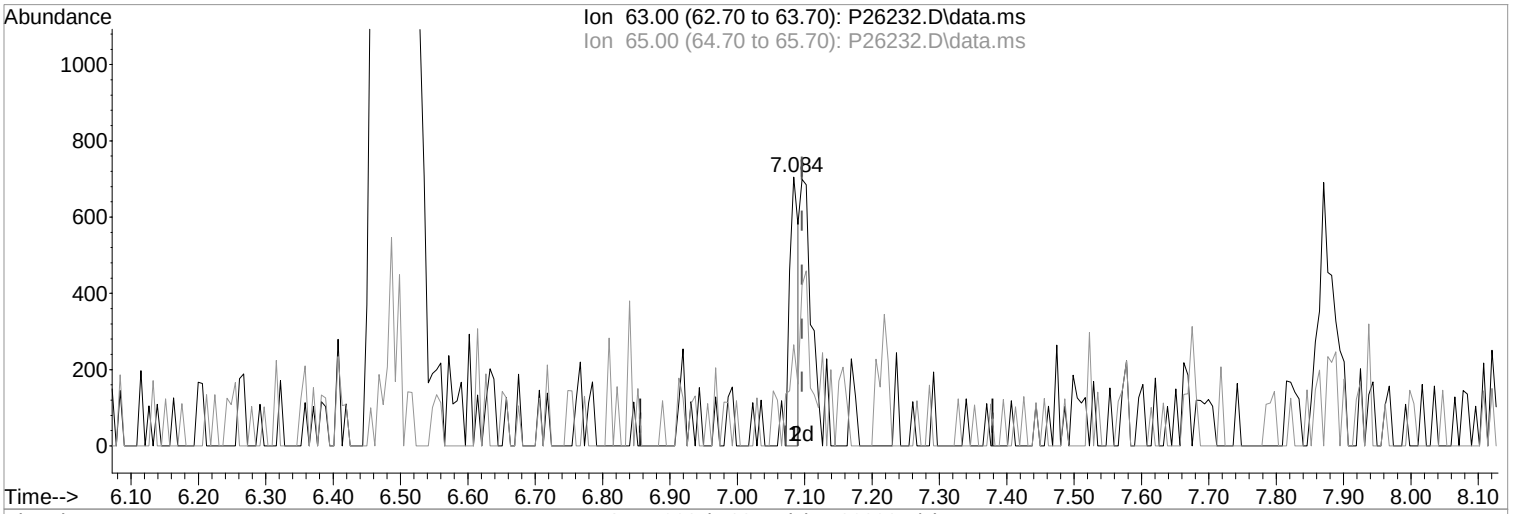
05/01/19

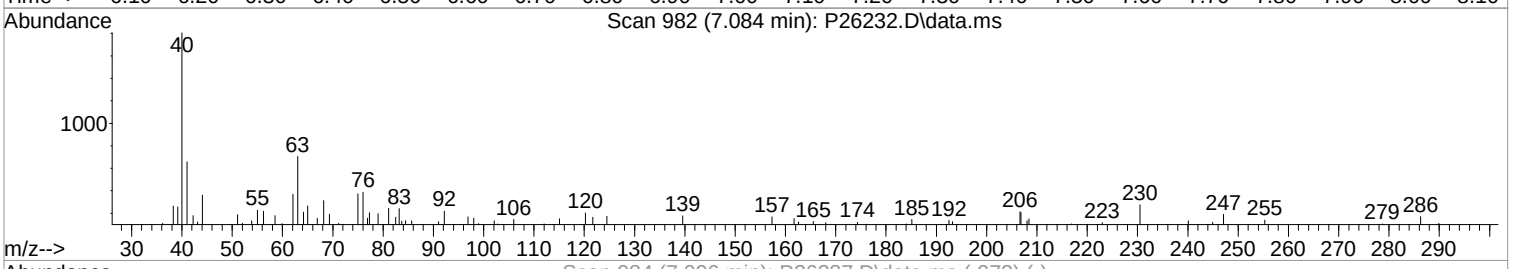
1st 05/01/19
2nd 05/02/19

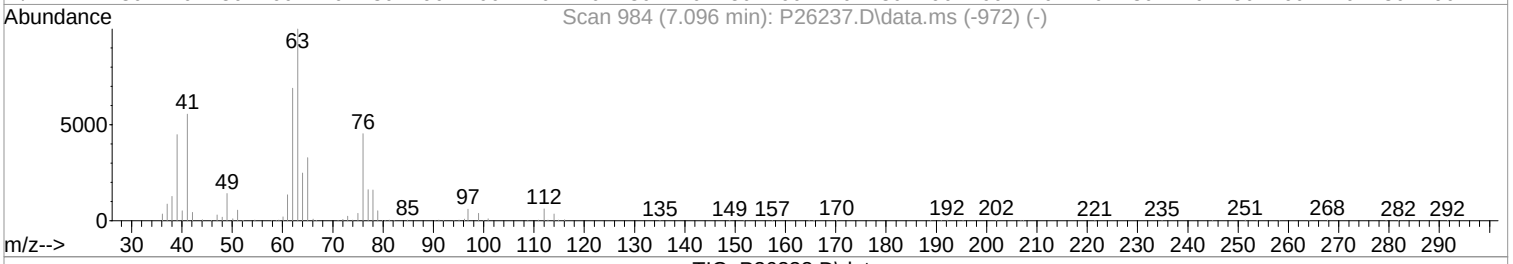
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26232.D\data.ms

(56) 1,2-Diclpropane (P)

7.084min (-0.012) 0.20 ppb

response 638

Ion	Exp%	Act%
63.00	100	100
65.00	32.80	37.59
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

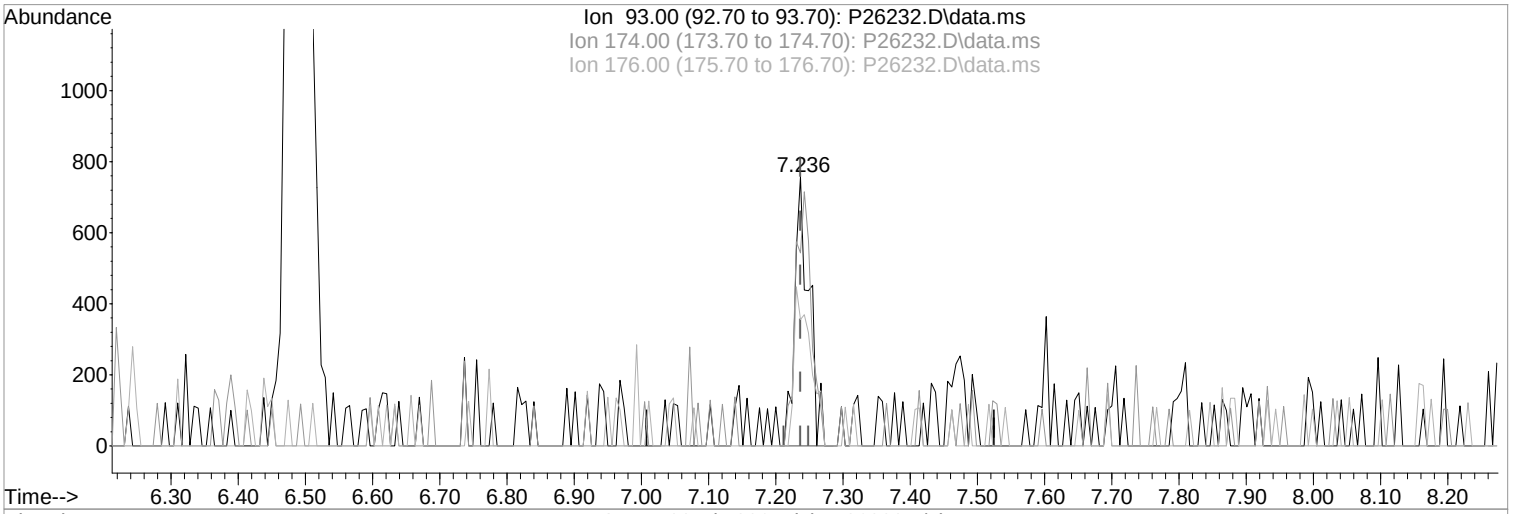
Before

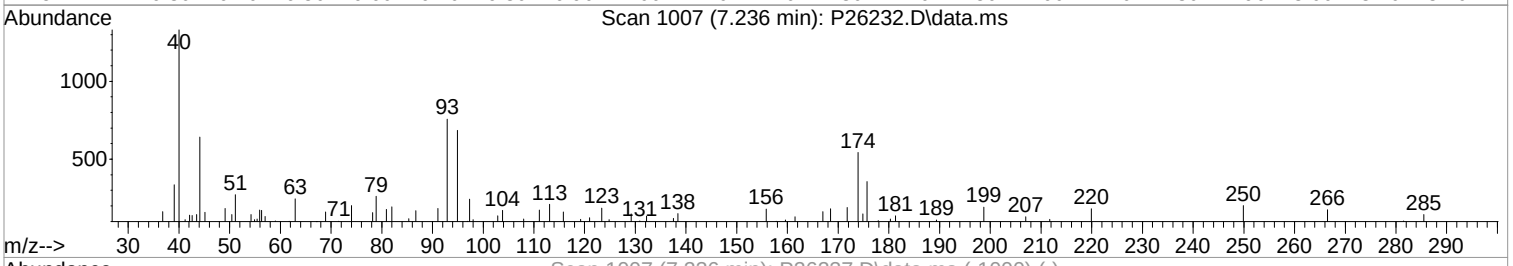
05/01/19

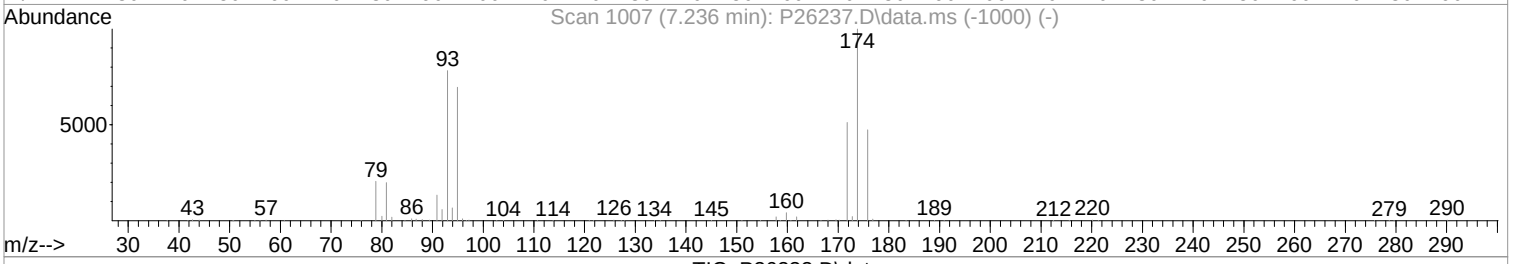
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26232.D\data.ms

(57) Dibromomethane

7.236min (-0.000) 0.50 ppb m

response 1128

Ion	Exp%	Act%
93.00	100	100
174.00	127.30	71.73#
176.00	60.30	47.03
0.00	0.00	0.00

Manual Integration:

After

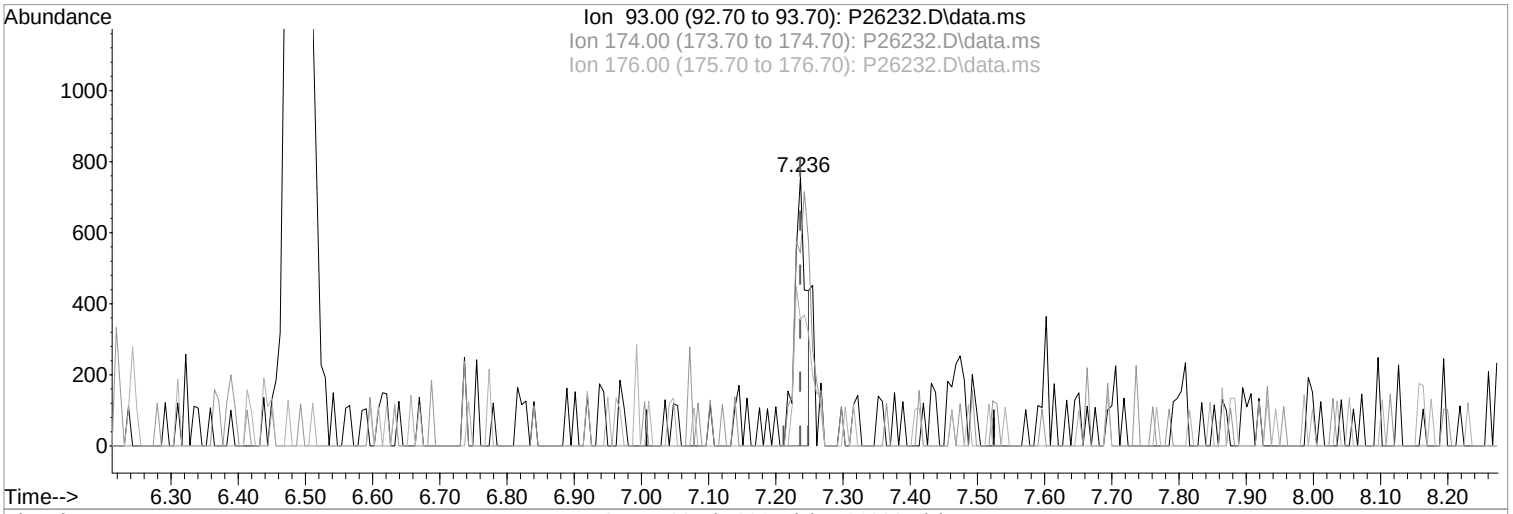
Split Peak

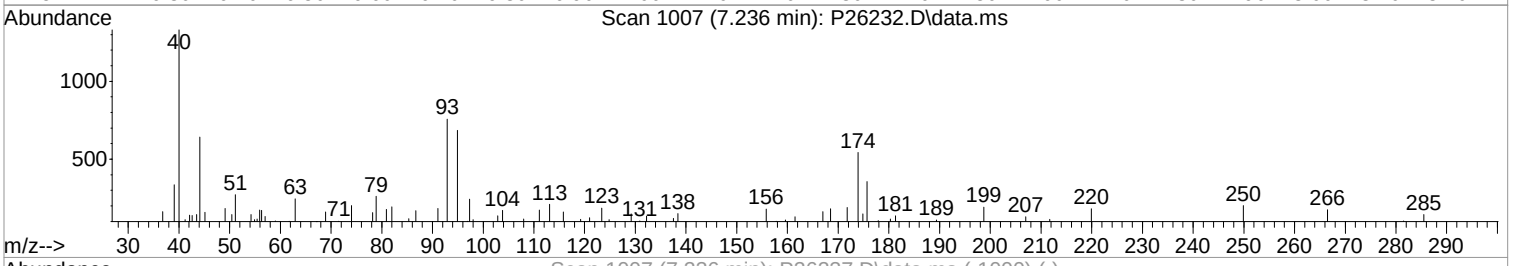
05/01/19

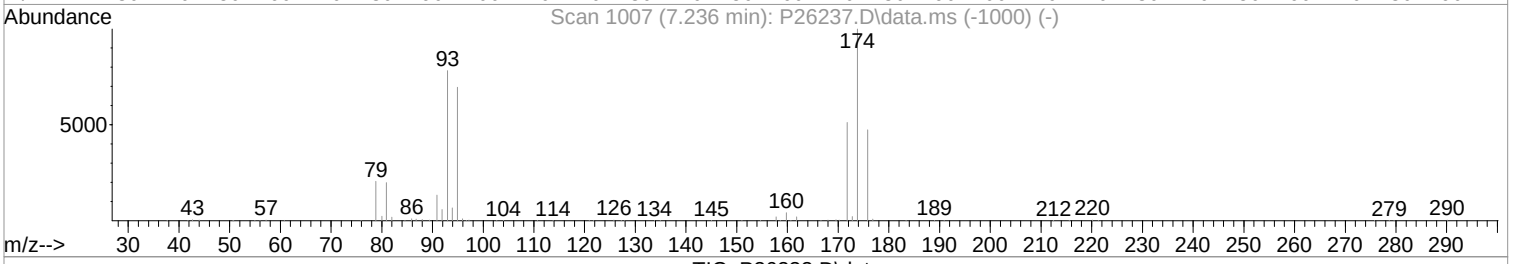
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26232.D\data.ms

(57) Dibromomethane

7.236min (-0.000) 0.40 ppb

response 898

Ion	Exp%	Act%
93.00	100	100
174.00	127.30	71.73#
176.00	60.30	47.03
0.00	0.00	0.00

Manual Integration:

Before

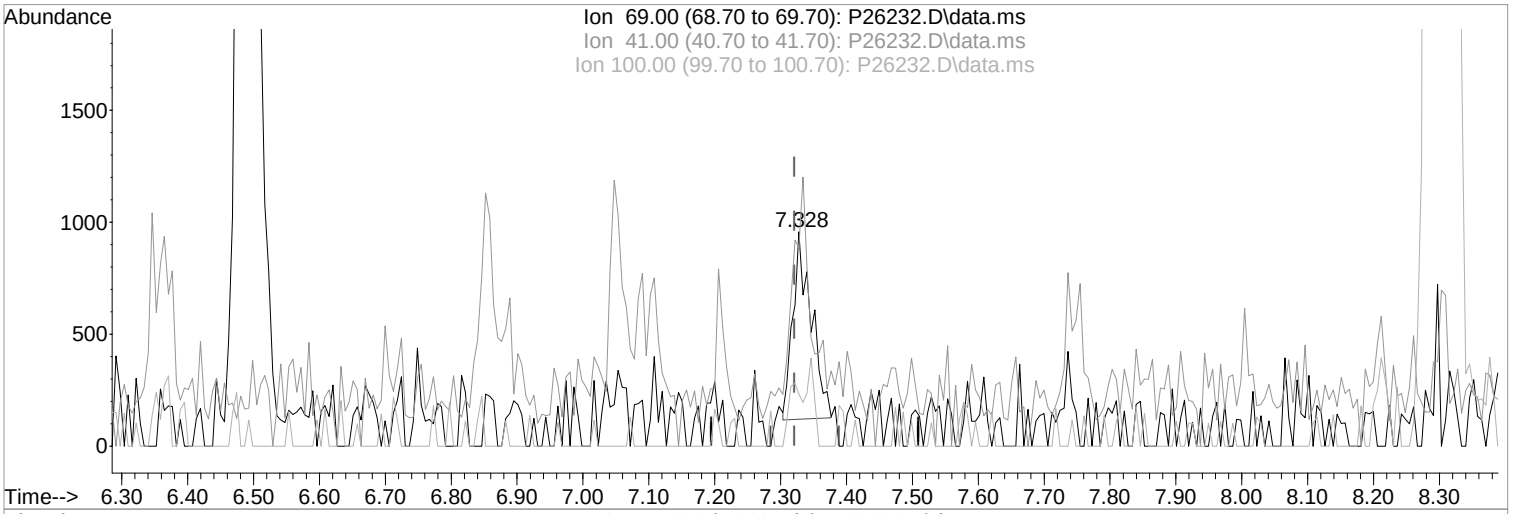
05/01/19

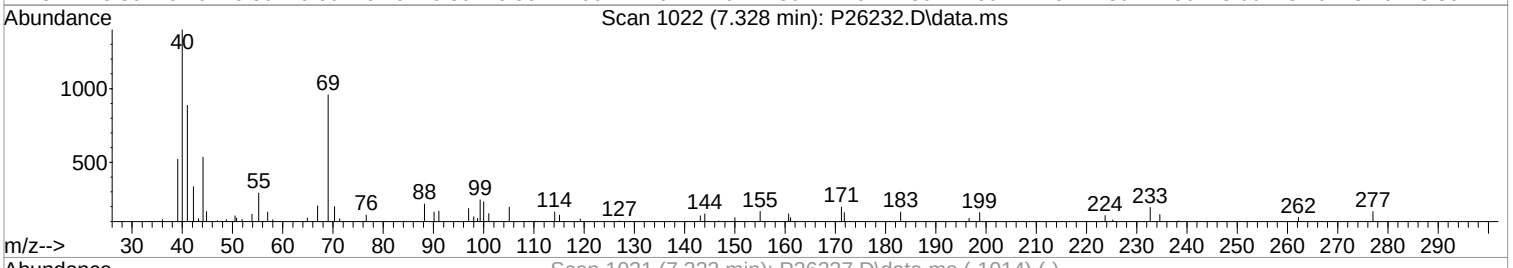
1st 05/01/19
2nd 05/02/19

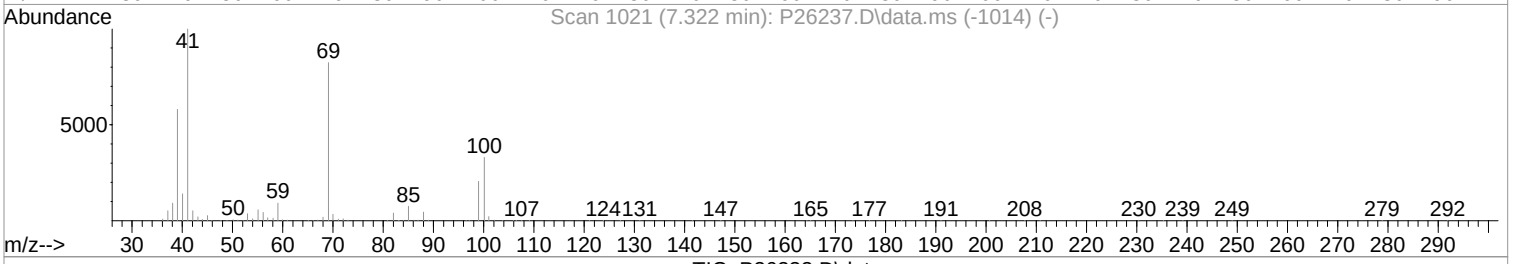
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26232.D\data.ms

(59) Methyl Methacrylate

7.328min (+0.007) 0.52 ppb m

response 1632

Ion	Exp%	Act%
69.00	100	100
41.00	121.90	92.69#
100.00	39.90	24.35
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

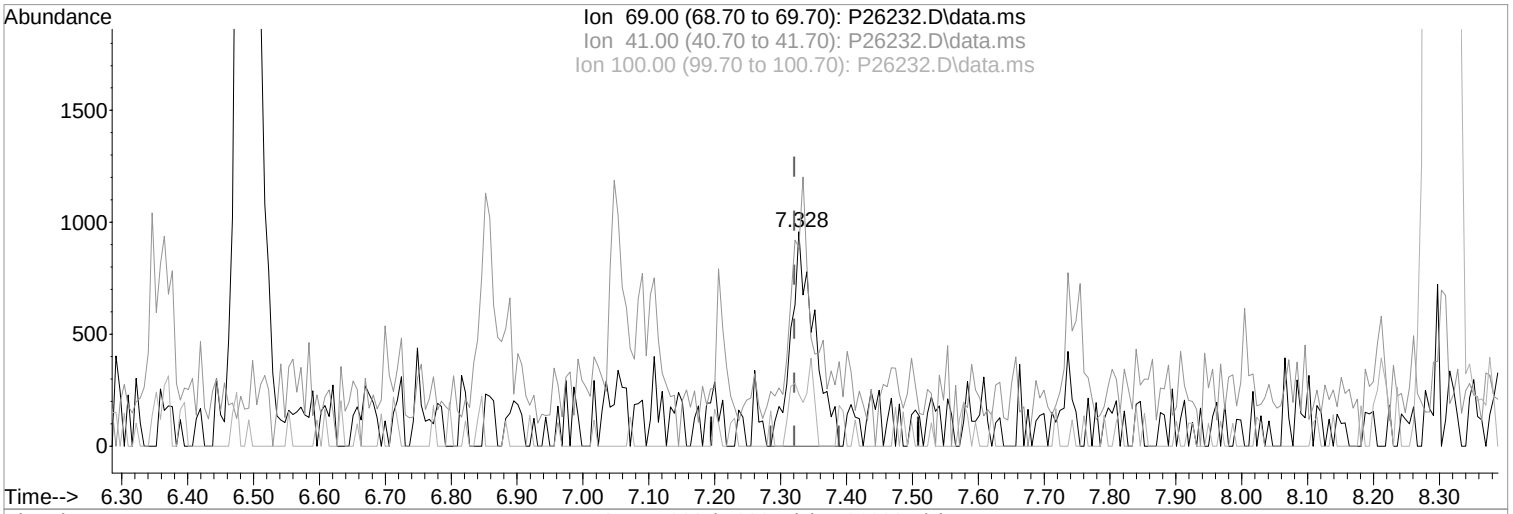
05/01/19

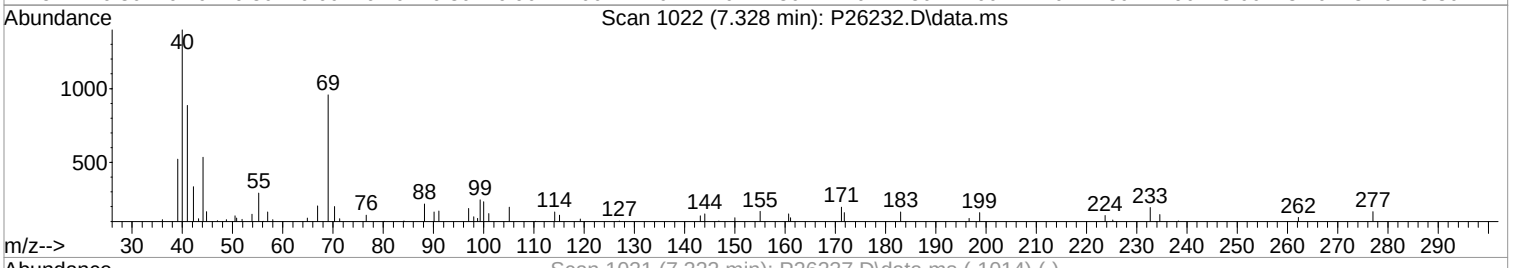
1st 05/01/19
2nd 05/02/19

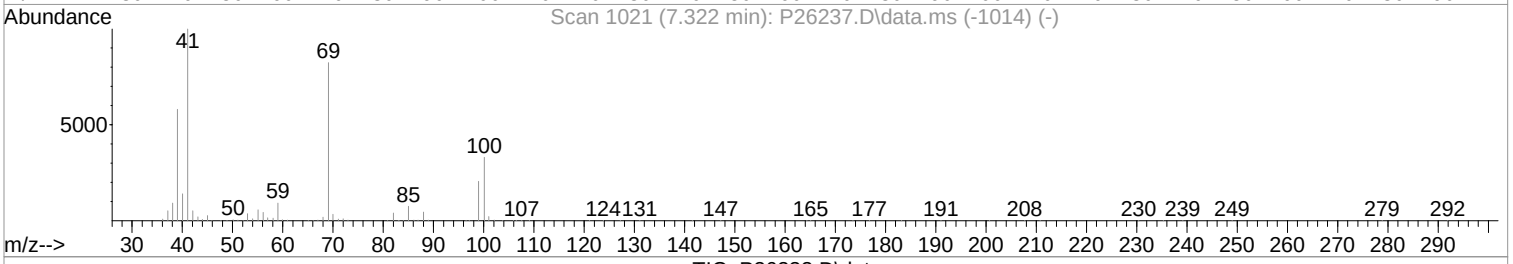
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26232.D\data.ms

(59) Methyl Methacrylate

7.328min (+0.007) 0.76 ppb

response 2388

Ion	Exp%	Act%
69.00	100	100
41.00	121.90	92.69#
100.00	39.90	24.35
0.00	0.00	0.00

Manual Integration:

Before

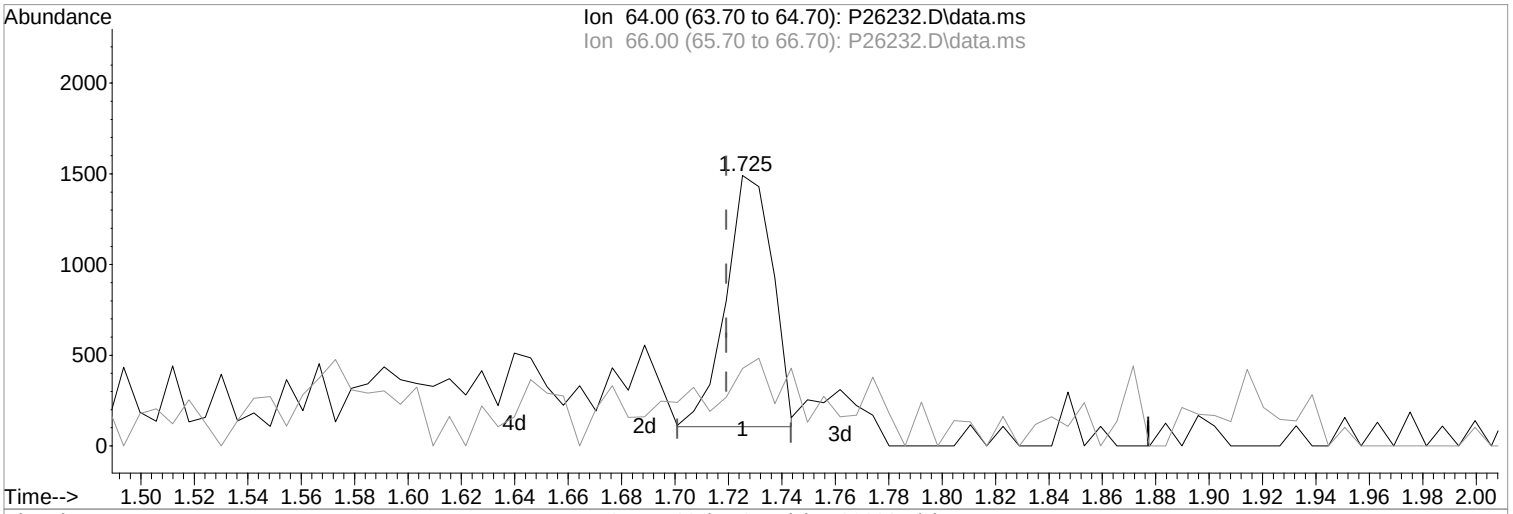
05/01/19

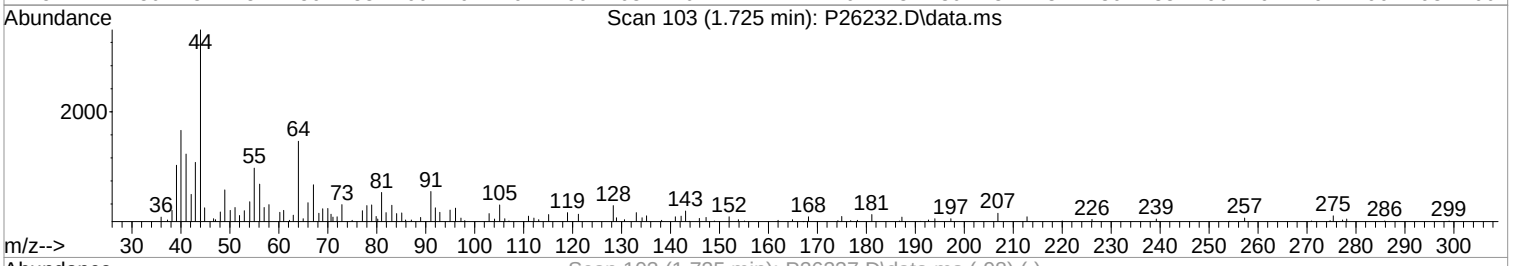
1st 05/01/19
2nd 05/02/19

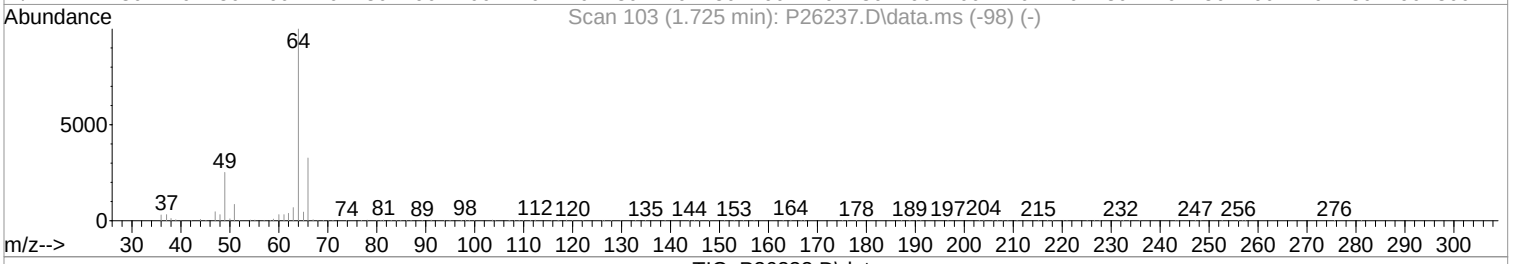
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26232.D\data.ms

(6) Chloroethane (P)

1.725min (+0.006) 0.53 ppb m

response 1679

Ion	Exp%	Act%
64.00	100	100
66.00	32.70	28.64
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

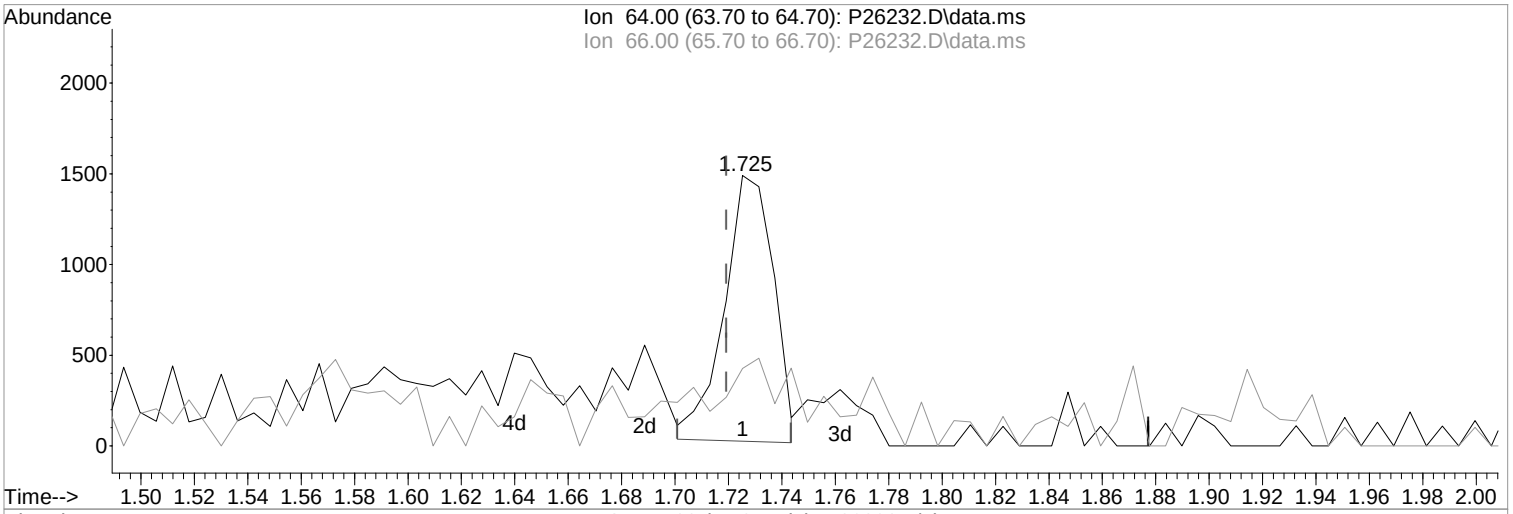
05/01/19

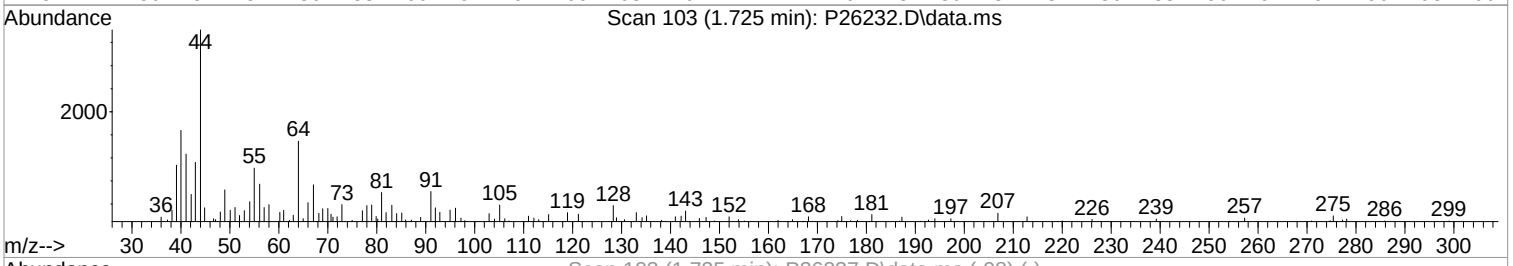
1st 05/01/19
2nd 05/02/19

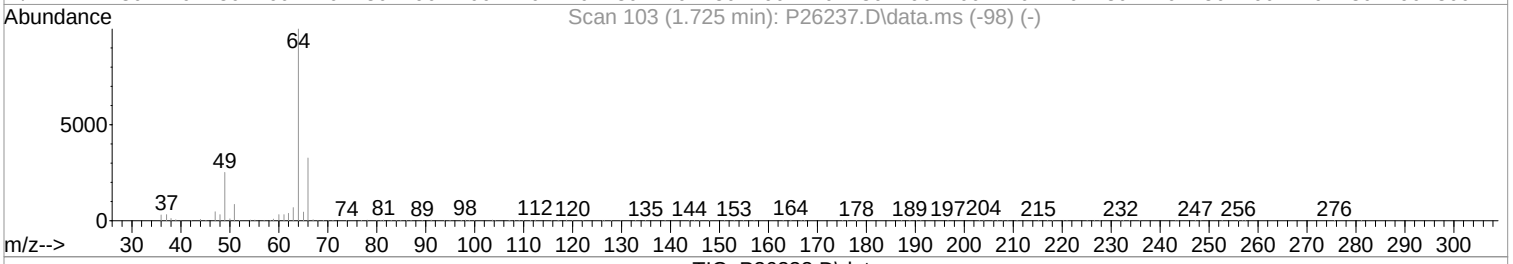
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26232.D\data.ms

(6) Chloroethane (P)

1.725min (+0.006) 0.59 ppb

response 1881

Ion	Exp%	Act%
64.00	100	100
66.00	32.70	28.64
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

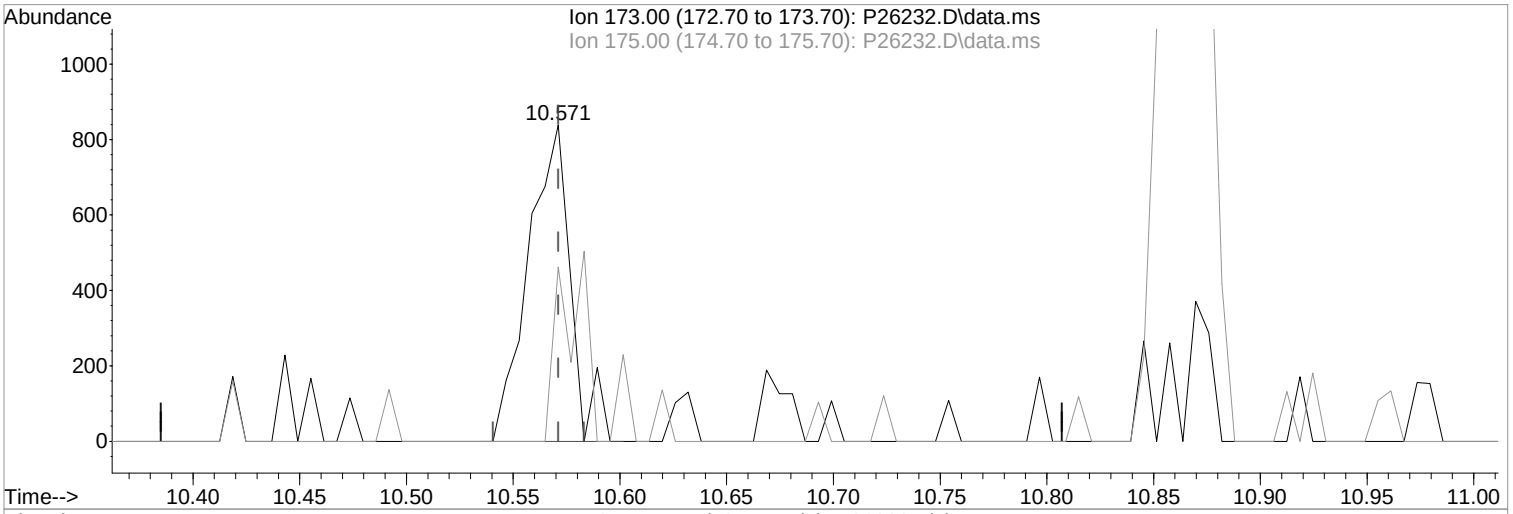
05/01/19

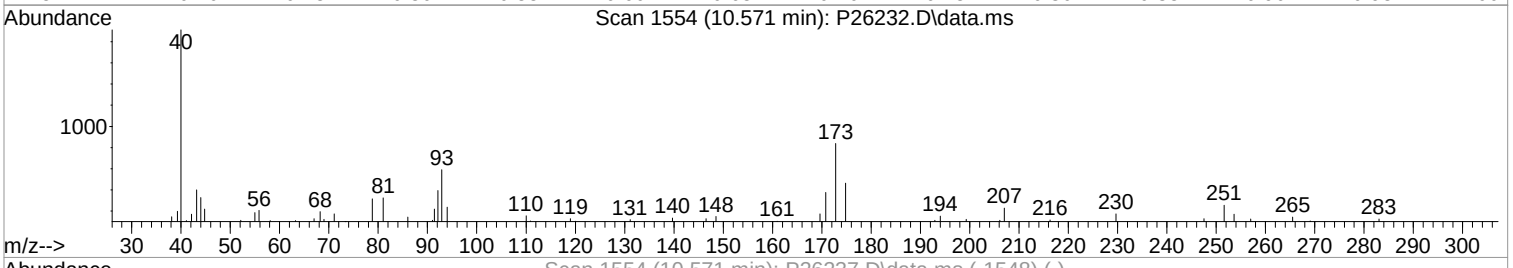
1st 05/01/19
2nd 05/02/19

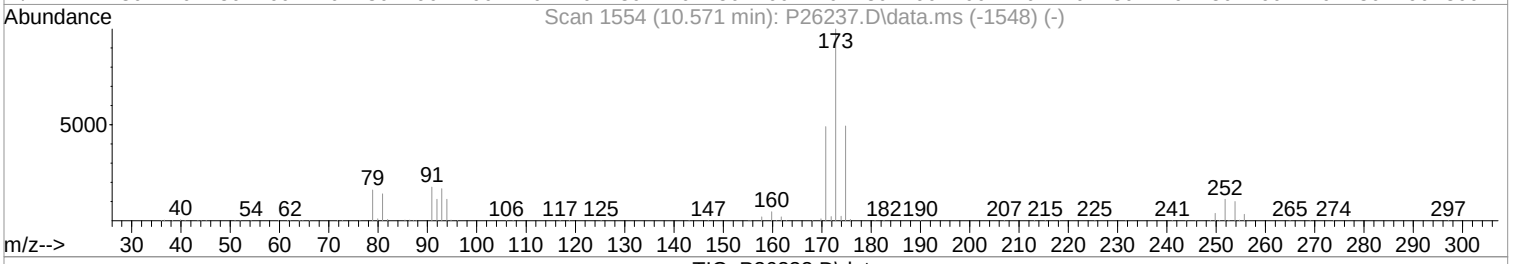
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26232.D\data.ms

(87) Bromoform (P)

10.571min (-0.000) 0.40 ppb m

response 1158

Ion	Exp%	Act%
173.00	100	100
175.00	49.40	55.07
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Split Peak

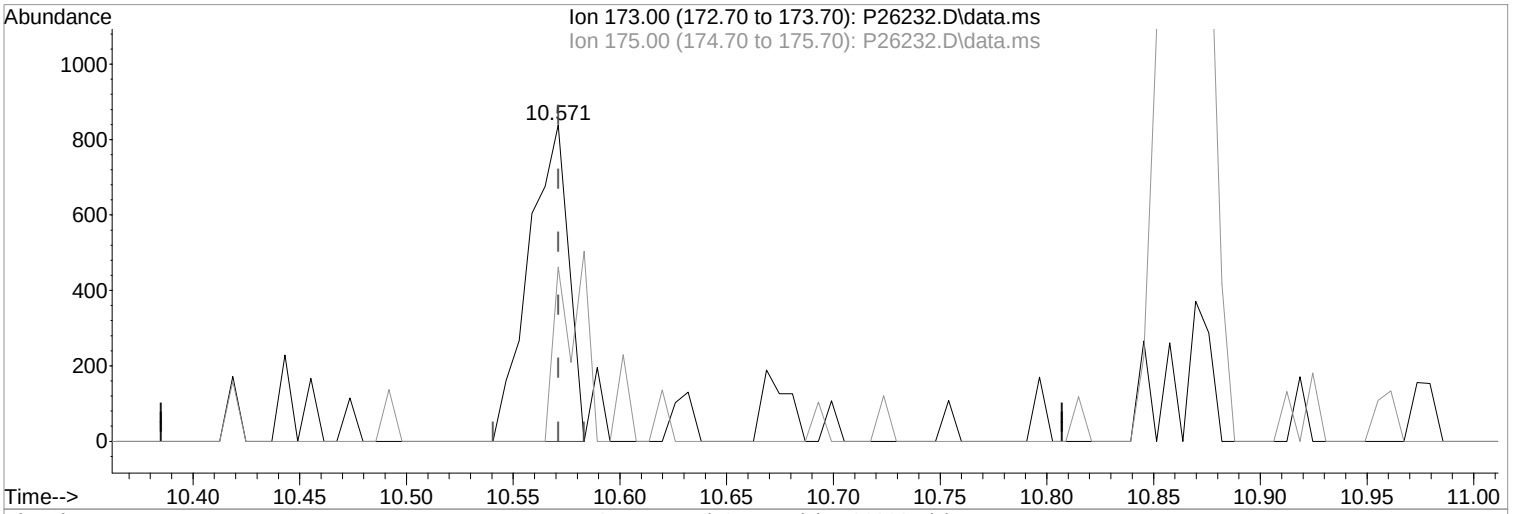
05/01/19

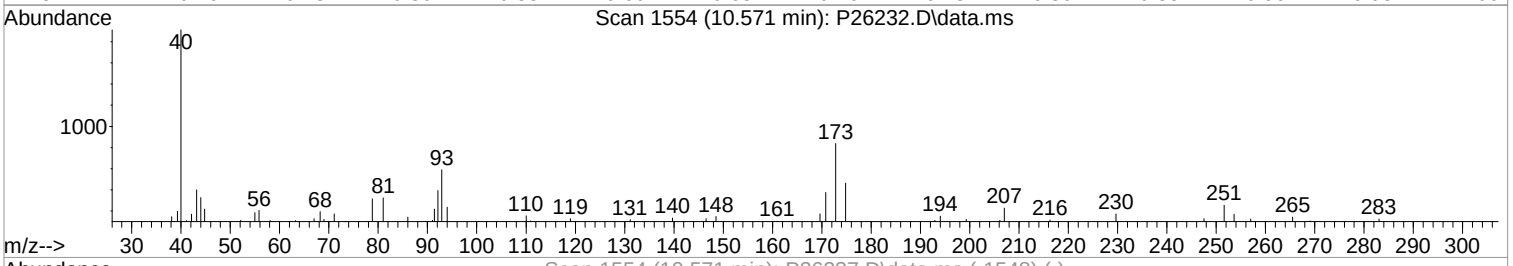
1st 05/01/19
2nd 05/02/19

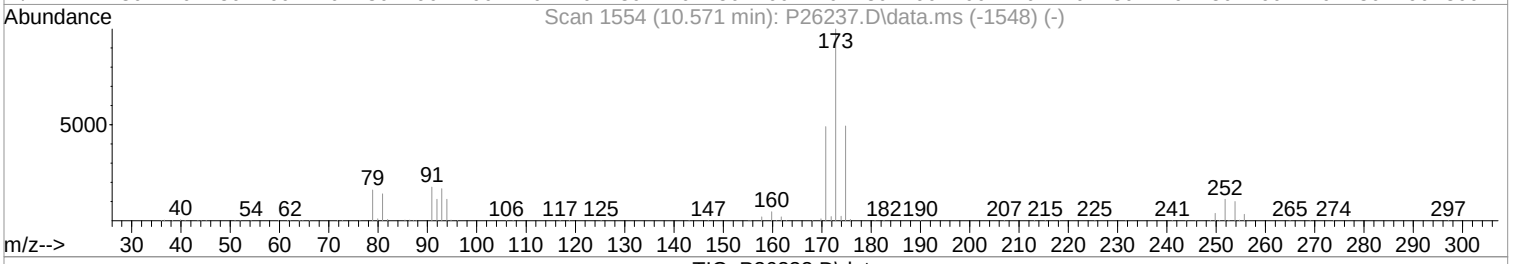
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26232.D\data.ms

(87) Bromoform (P)

10.571min (-0.000) 0.38 ppb

response 1086

Ion	Exp%	Act%
173.00	100	100
175.00	49.40	55.07
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

05/01/19

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 01 16:45:02 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.414	168	365748	50.00	ppb		0.00
43) 1,4-Difluorobenzene	6.493	114	511994	50.00	ppb		0.00
71) d5-Chlorobenzene	9.791	117	456203	50.00	ppb		0.00
86) 1,4-Dichlorobenzene-d4	11.839	152	246989	50.00	ppb		0.00
System Monitoring Compounds							
45) surr4,Dibrflmethane	5.267	113	33238	11.29	ppb		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 22.58%#				
48) surr1,1,2-dichloroetha...	5.792	65	40490	12.61	ppb		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 25.22%#				
65) SURR3,Toluene-d8	8.303	98	150653	12.33	ppb		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 24.66%#				
70) SURR2,BFB	10.864	95	53478	11.20	ppb		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 22.40%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.219	85	1723	0.50	ppb		88
3) Chloromethane	1.341	50	1663	0.53	ppb		86
4) Vinyl Chloride	1.420	62	2149m	0.56	ppb		
5) Bromomethane	1.658	94	2304	0.60	ppb		80
6) Chloroethane	1.725	64	1679m	0.53	ppb		
7) Freon 21	1.872	67	2873	0.52	ppb		92
8) Trichlorofluoromethane	1.920	101	2450	0.51	ppb		96
9) Diethyl Ether	2.158	59	1673	0.60	ppb	#	62
10) Freon 123a	2.164	67	1774m	0.52	ppb		
11) Freon 123	2.213	83	2208	0.56	ppb		98
12) Acrolein	2.249	56	1641m	2.49	ppb		
13) 1,1-Diclethene	2.347	96	1716m	0.56	ppb		
14) Freon 113	2.353	101	1415	0.53	ppb		85
16) 2-Propanol	2.518	45	3642	9.61	ppb		77
17) Iodomethane	2.481	142	985m	0.29	ppb		
18) Carbon Disulfide	2.536	76	3885	0.53	ppb		85
20) Allyl Chloride	2.676	76	1042m	0.65	ppb		
21) Methyl Acetate	2.695	43	1320	0.42	ppb		96
22) Methylene Chloride	2.792	84	1891m	0.56	ppb		
23) TBA	2.914	59	6126	8.77	ppb		91
24) Acrylonitrile	3.042	53	3216m	2.02	ppb		
25) Methyl-t-Butyl Ether	3.097	73	5632	0.51	ppb		81
26) trans-1,2-Dichloroethene	3.091	96	1895m	0.57	ppb		
28) 1,1-Diclethane	3.579	63	2694	0.49	ppb		83
30) DIPE	3.713	45	4533	0.53	ppb		85
31) 2-Chloro-1,3-Butadiene	3.707	53	2382	0.58	ppb		76
32) ETBE	4.237	59	4310m	0.46	ppb		
33) 2,2-Dichloropropane	4.408	77	2501m	0.50	ppb		
34) cis-1,2-Dichloroethene	4.420	96	2083m	0.53	ppb		
36) Propionitrile	4.554	54	1858m	2.57	ppb		
37) Bromochloromethane	4.798	130	1529m	0.58	ppb		
40) Chloroform	4.993	83	3509m	0.61	ppb		
41) 1,1,1-Trichloroethane	5.273	97	2936m	0.54	ppb		
42) TAME	6.109	73	5294	0.53	ppb		83
46) Carbontetrachloride	5.566	117	1963	0.44	ppb		91
47) 1,1-Dichloropropene	5.572	75	2156m	0.52	ppb		
49) Benzene	5.877	78	7191	0.54	ppb		86
50) 1,2-Dichloroethane	5.920	62	2593	0.55	ppb		77
51) Iso-Butyl Alcohol	5.895	43	2743	9.62	ppb		92

1st 05/01/19
2nd 05/02/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 01 16:45:02 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
52) n-Heptane	6.371	43	2815	0.80	ppb	#	62
53) 1-Butanol	6.858	56	3595m	18.49	ppb		
54) Trichloroethene	6.810	130	2049	0.50	ppb	#	82
55) Methylcyclohexane	7.053	55	2287m	0.59	ppb		
56) 1,2-Diclpropane	7.084	63	1419m	0.45	ppb		
57) Dibromomethane	7.236	93	1128m	0.50	ppb		
59) Methyl Methacrylate	7.328	69	1632m	0.52	ppb		
60) Bromodichloromethane	7.462	83	2337	0.53	ppb		92
62) 2-Chloroethylvinyl Ether	7.870	63	1147	0.51	ppb		89
63) cis-1,3-Dichloropropene	8.004	75	2855	0.50	ppb		85
64) 4-Methyl-2-pentanone	8.212	43	1657	0.41	ppb		91
66) Toluene	8.376	91	7794	0.52	ppb		94
67) trans-1,3-Dichloropropene	8.651	75	2546	0.50	ppb		94
68) Ethyl Methacrylate	8.791	69	2666	0.49	ppb		100
69) 1,1,2-Trichloroethane	8.827	97	1816	0.50	ppb	#	73
72) Tetrachloroethene	8.962	164	1696	0.52	ppb		93
74) 1,3-Dichloropropane	8.998	76	2992	0.54	ppb	#	72
75) Dibromochloromethane	9.224	129	2083	0.52	ppb	#	81
76) N-Butyl Acetate	9.279	43	3522	0.60	ppb		77
77) 1,2-Dibromoethane	9.321	107	1774	0.48	ppb	#	60
78) Chlorobenzene	9.815	112	4498	0.45	ppb		85
79) 3-CBTF	9.833	180	2777	0.48	ppb	#	73
80) 4-CBTF	9.888	180	2690	0.51	ppb		83
81) 1,1,1,2-Tetrachloroethane	9.907	131	2054	0.53	ppb	#	78
82) Ethylbenzene	9.943	106	2416	0.45	ppb	#	84
83) (m+p)Xylene	10.053	106	6256	0.93	ppb		89
84) o-Xylene	10.406	106	3563	0.52	ppb		88
85) Styrene	10.425	104	4949	0.47	ppb		97
87) Bromoform	10.571	173	1158m	0.40	ppb		
88) 2-CBTF	10.650	180	2894	0.53	ppb		99
89) Isopropylbenzene	10.742	105	8205	0.53	ppb		81
90) Cyclohexanone	10.803	55	6232	8.04	ppb		90
91) trans-1,4-Dichloro-2-B...	11.053	53	836	0.65	ppb		90
92) 1,1,2,2-Tetrachloroethane	10.998	83	2234	0.48	ppb		95
93) Bromobenzene	10.992	156	2509	0.54	ppb		96
94) 1,2,3-Trichloropropane	11.028	110	854	0.48	ppb	#	67
95) n-Propylbenzene	11.095	91	9161	0.54	ppb		97
96) 2-Chlorotoluene	11.162	91	6240	0.60	ppb		95
97) 3-Chlorotoluene	11.217	91	4847	0.49	ppb	#	97
98) 4-Chlorotoluene	11.254	91	6585	0.55	ppb		84
99) 1,3,5-Trimethylbenzene	11.254	105	7094	0.54	ppb		86
100) tert-Butylbenzene	11.522	119	6224	0.52	ppb		97
101) 1,2,4-Trimethylbenzene	11.565	105	6308	0.49	ppb		95
102) 3,4-DCBTF	11.626	214	2003	0.43	ppb		89
103) sec-Butylbenzene	11.705	105	9004	0.54	ppb		92
104) p-Isopropyltoluene	11.827	119	7953	0.55	ppb		98
105) 1,3-Dclbenz	11.784	146	4284	0.51	ppb		96
106) 1,4-Dclbenz	11.857	146	4080	0.48	ppb	#	62
107) 2,4-DCBTF	11.918	214	2115	0.51	ppb	#	83
108) 2,5-DCBTF	11.949	214	2156	0.46	ppb	#	71
109) n-Butylbenzene	12.162	91	6787	0.56	ppb		96
110) 1,2-Dclbenz	12.162	146	3979	0.48	ppb	#	72
111) 1,2-Dibromo-3-chloropr...	12.778	157	931	0.56	ppb	#	69
112) Trielution Dichlorotol...	12.900	125	9742	1.39	ppb		87
113) 1,3,5 Trichlorobenzene	12.955	180	3311	0.50	ppb		88
114) Coelution Dichlorotoluene	13.229	125	8050	1.03	ppb	#	91

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 01 16:45:02 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
115) 1,2,4-Tcbenzene	13.442	180	3553	0.51	ppb		96
116) Hexachlorobt	13.577	225	1478	0.49	ppb	#	84
117) Naphthalen	13.631	128	9310	0.46	ppb		94
118) 1,2,3-Tclbenzene	13.814	180	3067	0.42	ppb	#	76
119) 2,4,5-Trichlorotolene	14.406	159	2309m	0.52	ppb		
120) 2,3,6-Trichlorotoluene	14.485	159	3073	0.59	ppb		95

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb Inst : MSVOA-12
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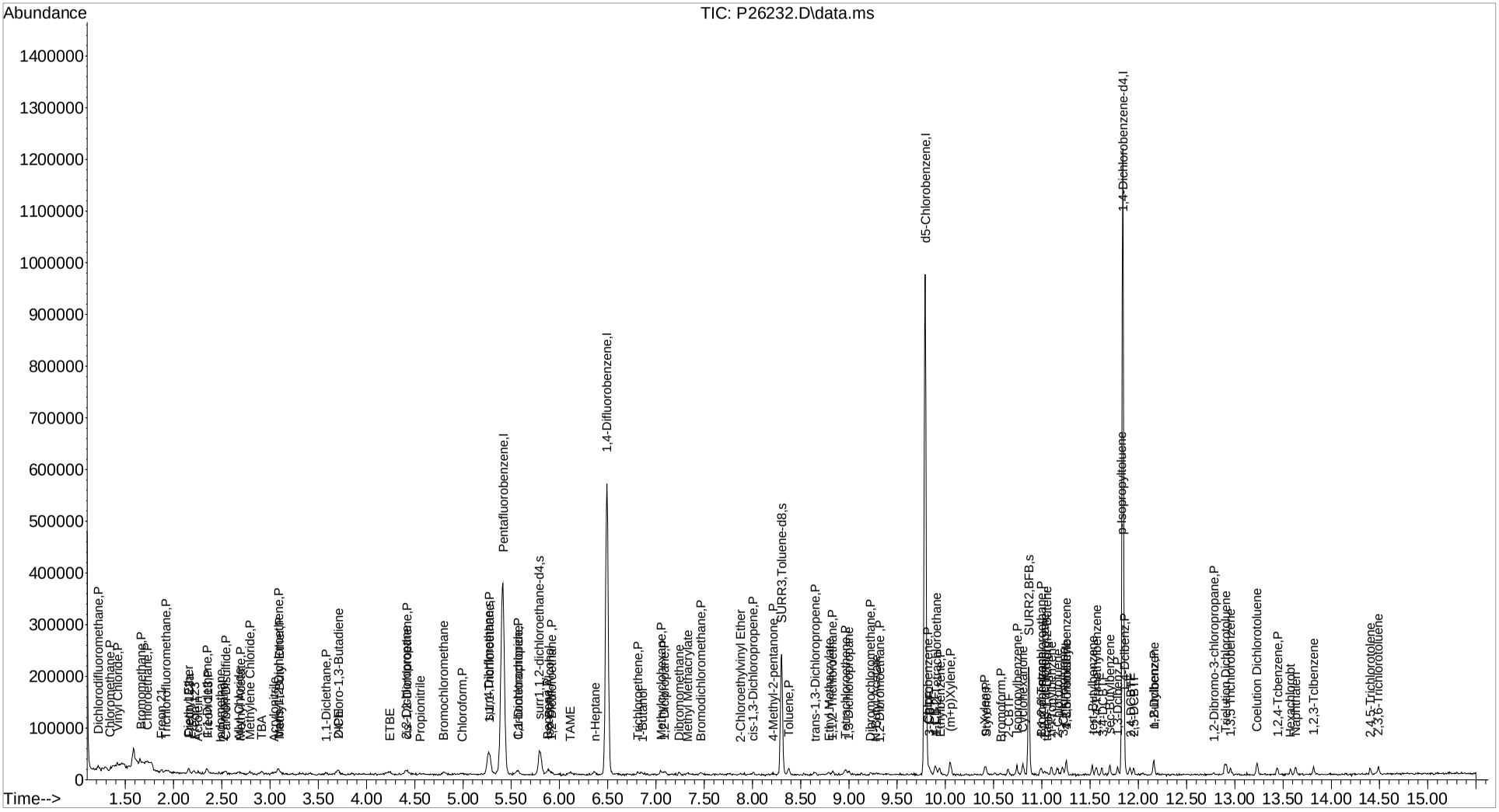
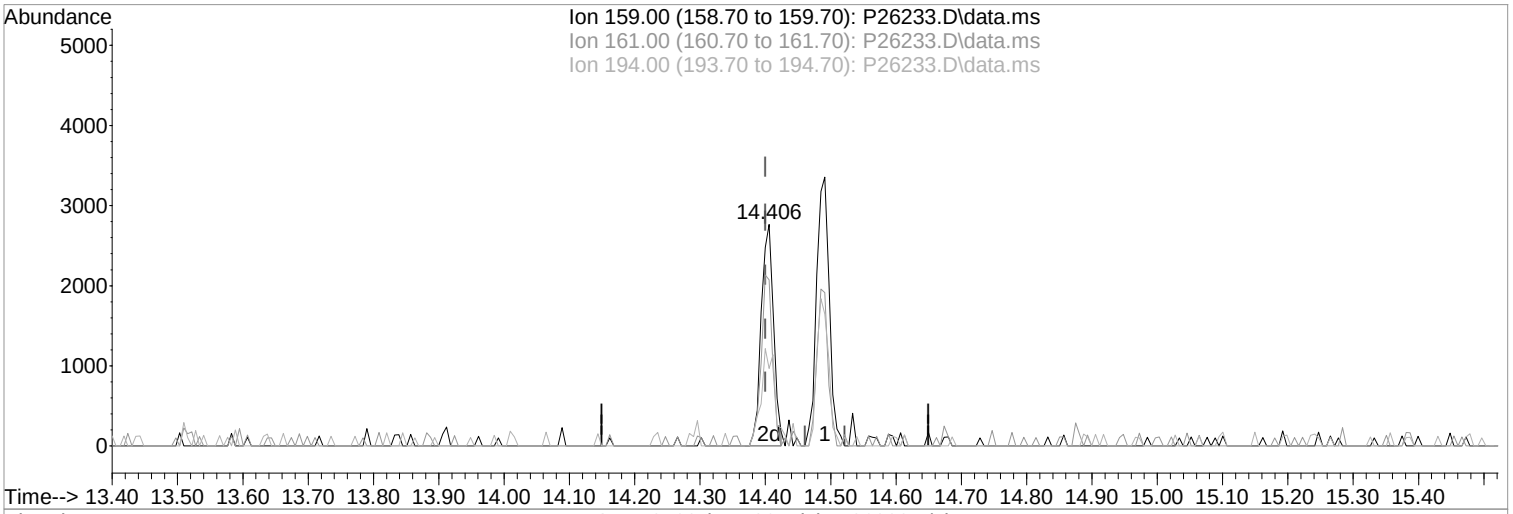
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration

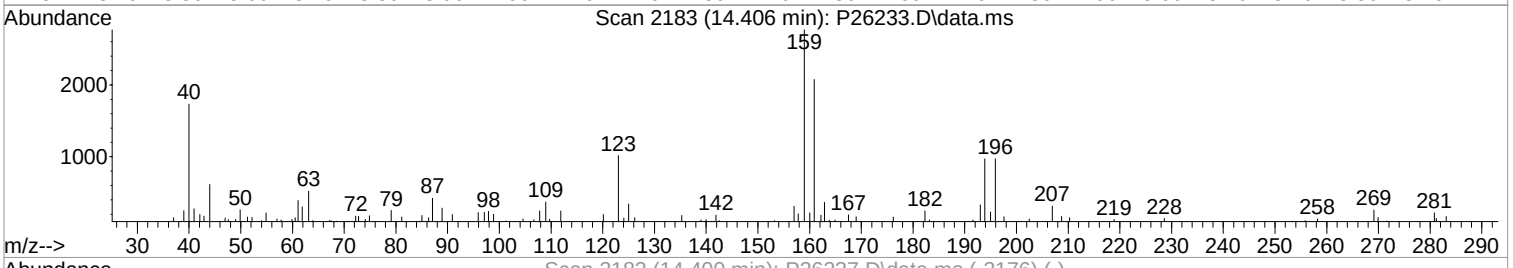


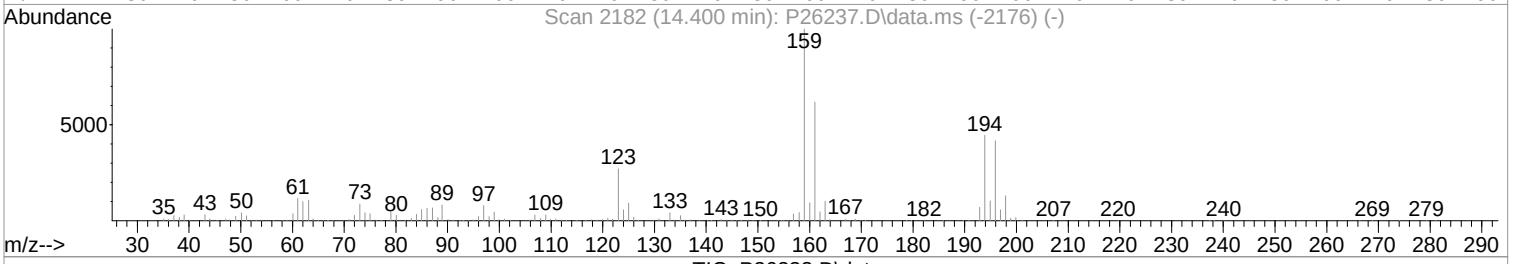
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26233.D
Acq On : 1 May 2019 1:08 pm
Operator : K.Ruest
Sample : 1.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 01 16:33:40 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26233.D\data.ms

(119) 2,4,5-Trichlorotolene

14.406min (+0.006) 0.88 ppb m

response 3660

Ion	Exp%	Act%
159.00	100	100
161.00	61.80	74.92#
194.00	44.50	35.02#
0.00	0.00	0.00

Manual Integration:

After

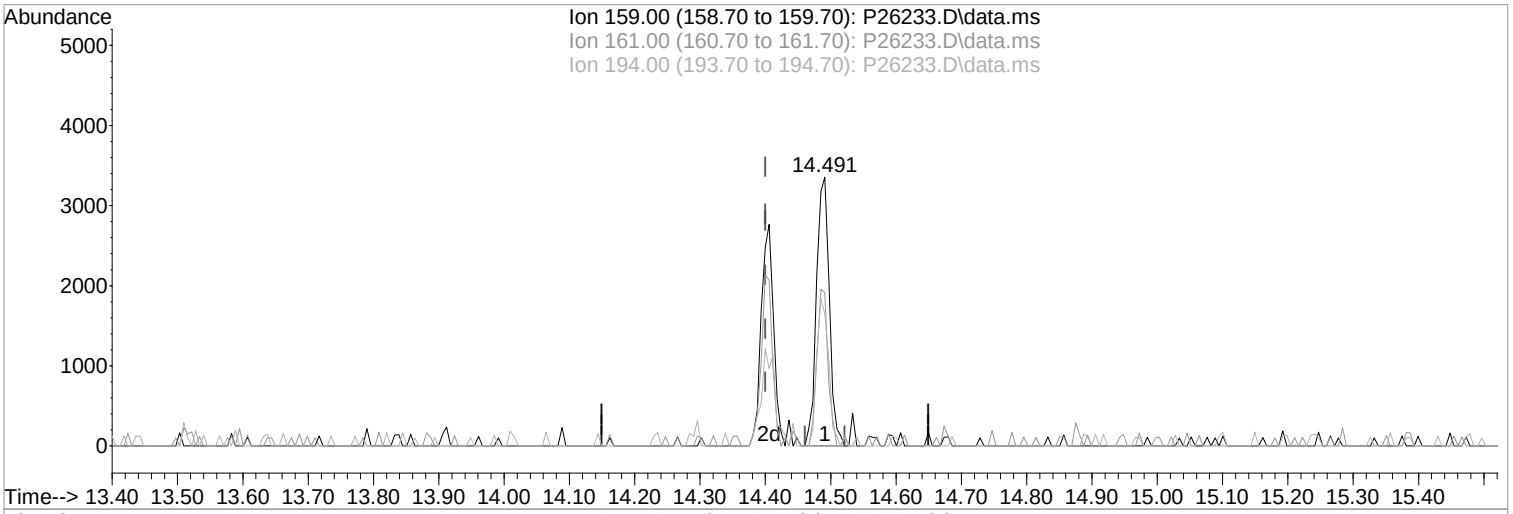
Wrong peak selected.

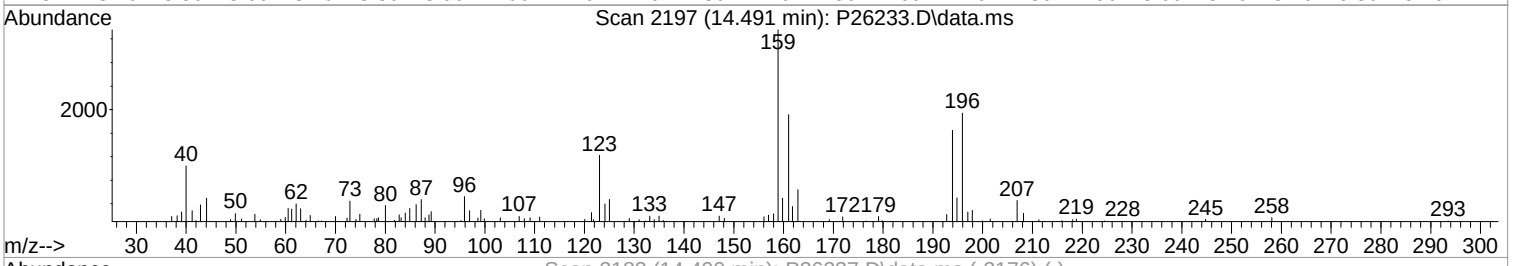
05/01/19

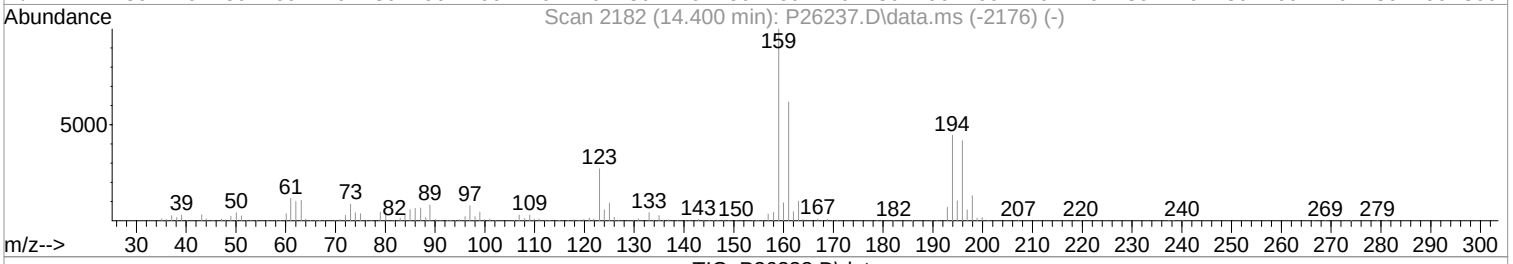
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26233.D
Acq On : 1 May 2019 1:08 pm
Operator : K.Ruest
Sample : 1.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 01 16:33:40 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26233.D\data.ms

(119) 2,4,5-Trichlorotolene

14.491min (+0.091) 1.10 ppb

response 4567

Ion	Exp%	Act%
159.00	100	100
161.00	61.80	57.02
194.00	44.50	49.09
0.00	0.00	0.00

Manual Integration:

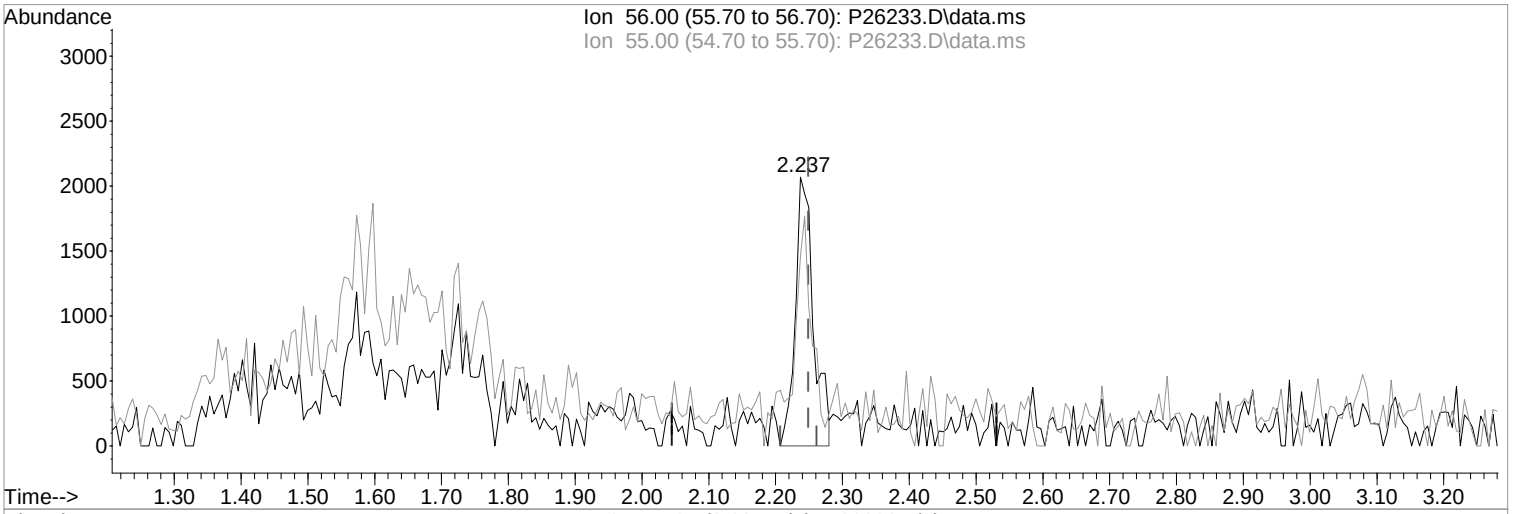
Before

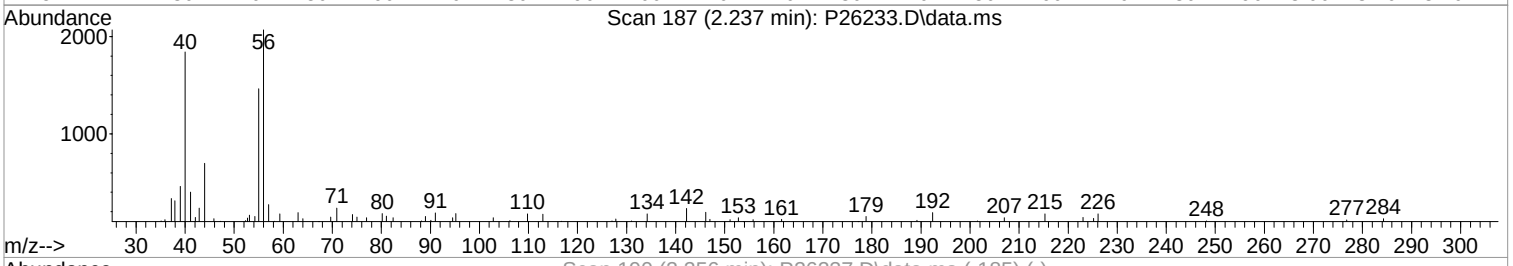
05/01/19

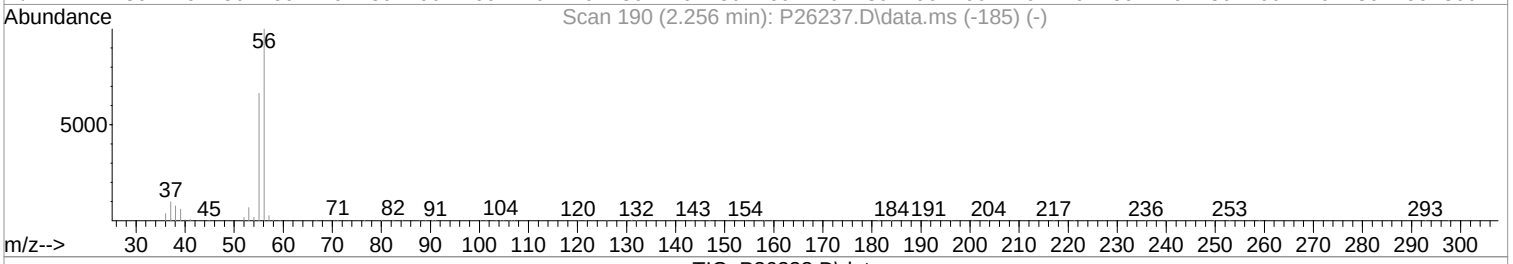
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26233.D
Acq On : 1 May 2019 1:08 pm
Operator : K.Ruest
Sample : 1.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 01 16:33:40 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26233.D\data.ms

(12) Acrolein

2.237min (-0.012) 6.20 ppb m

response 3922

Ion	Exp%	Act%
56.00	100	100
55.00	67.10	70.63
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

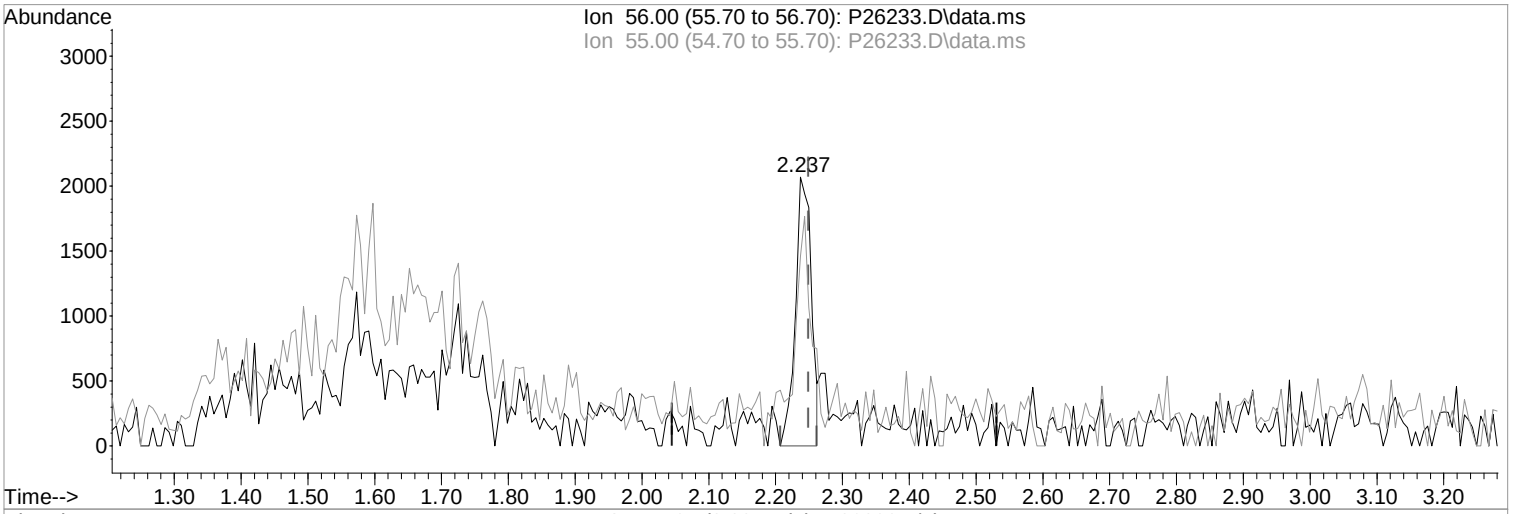
Poor integration.

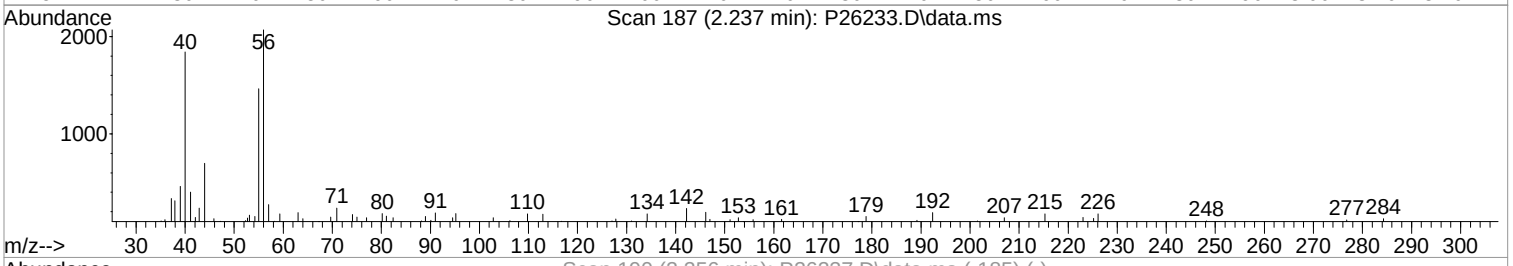
05/01/19

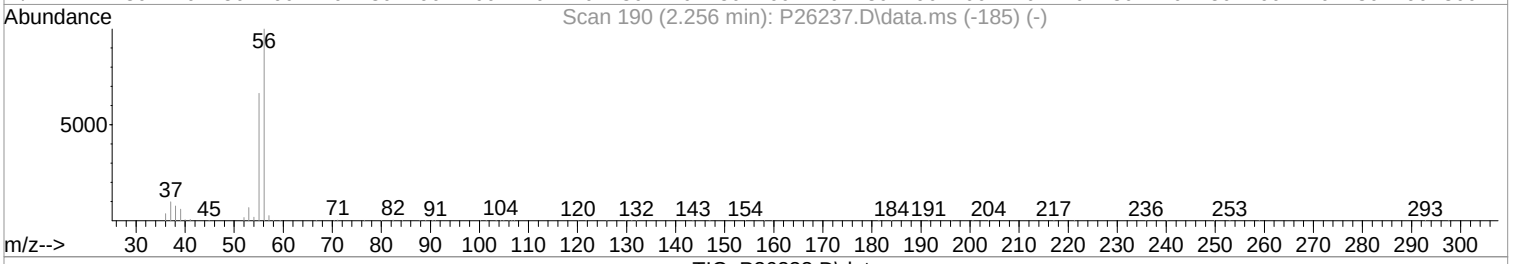
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26233.D
Acq On : 1 May 2019 1:08 pm
Operator : K.Ruest
Sample : 1.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 01 16:33:40 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26233.D\data.ms

(12) Acrolein

2.237min (-0.012) 5.44 ppb

response 3441

Ion	Exp%	Act%
56.00	100	100
55.00	67.10	70.63
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

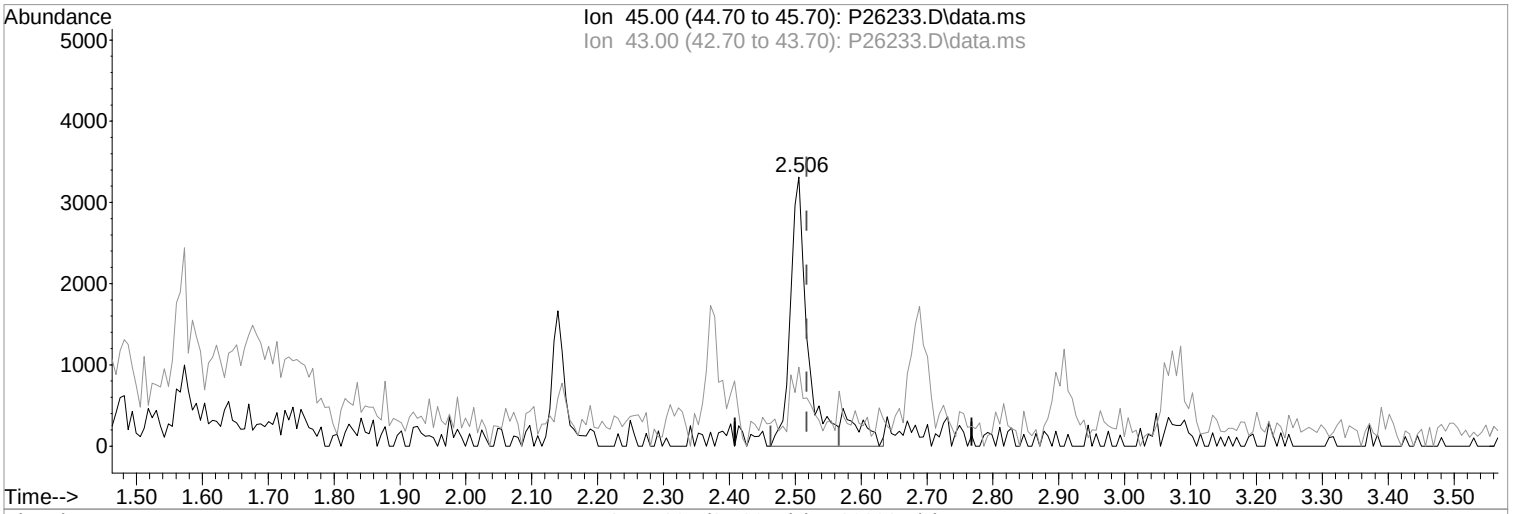
Before

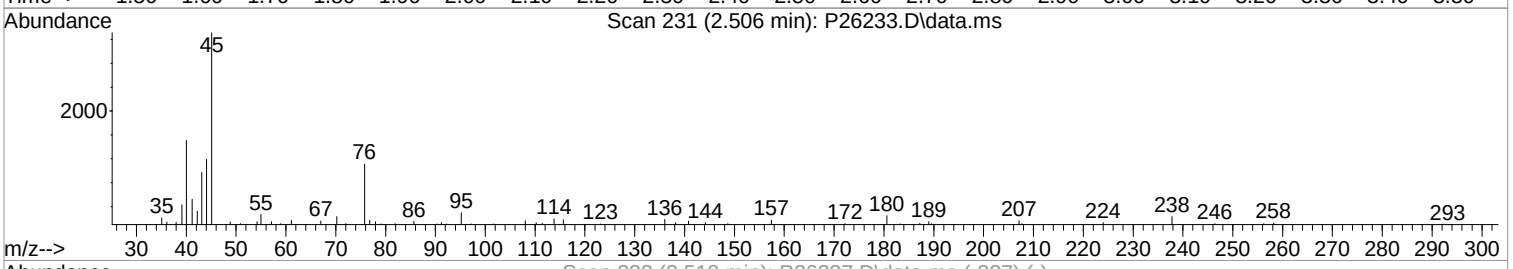
05/01/19

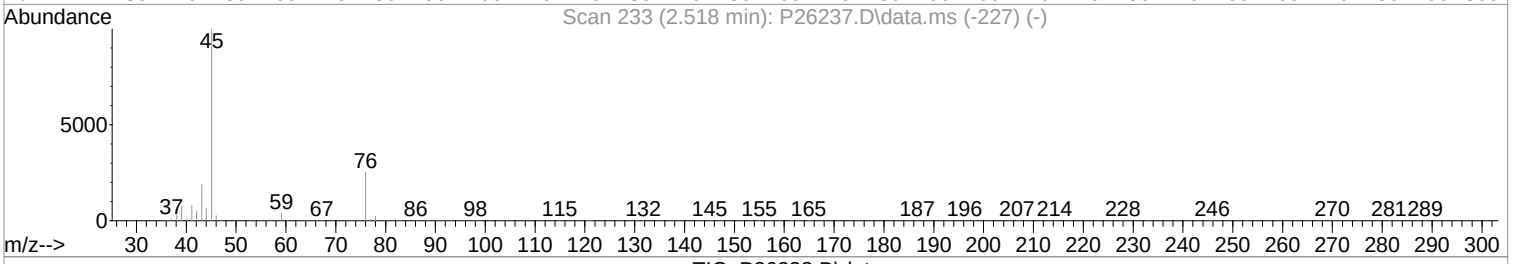
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26233.D
Acq On : 1 May 2019 1:08 pm
Operator : K.Ruest
Sample : 1.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 01 16:33:40 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26233.D\data.ms

(16) 2-Propanol

2.506min (-0.012) 18.82 ppb m

response 6859

Ion	Exp%	Act%
45.00	100	100
43.00	19.10	29.29
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

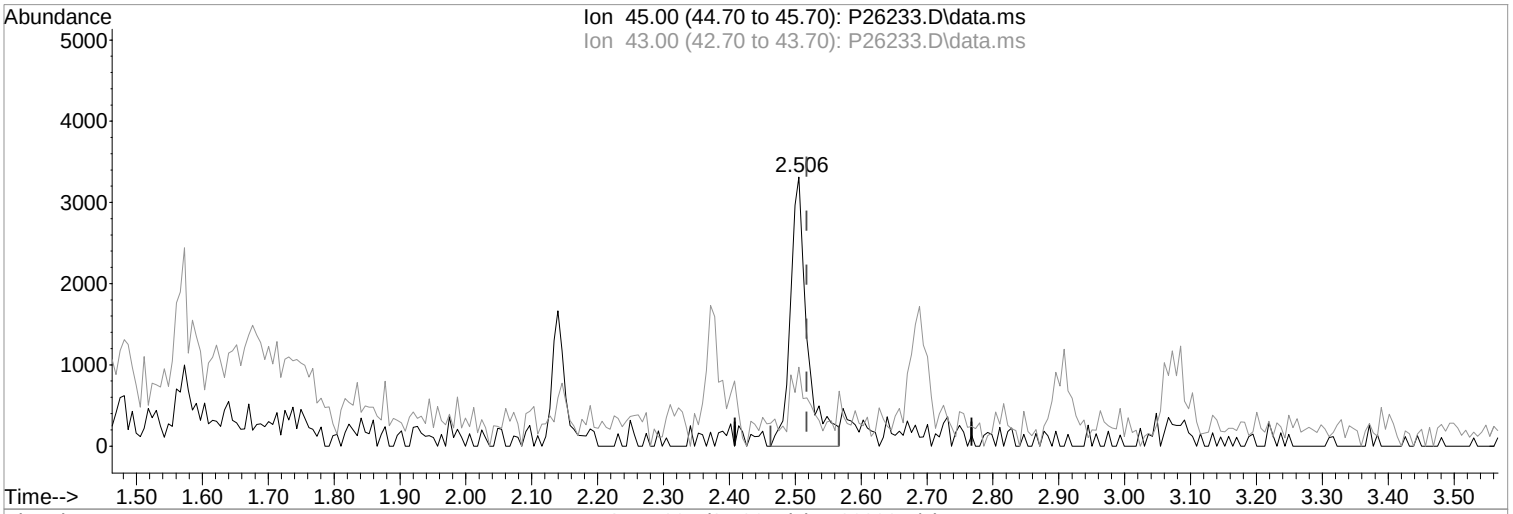
Poor integration.

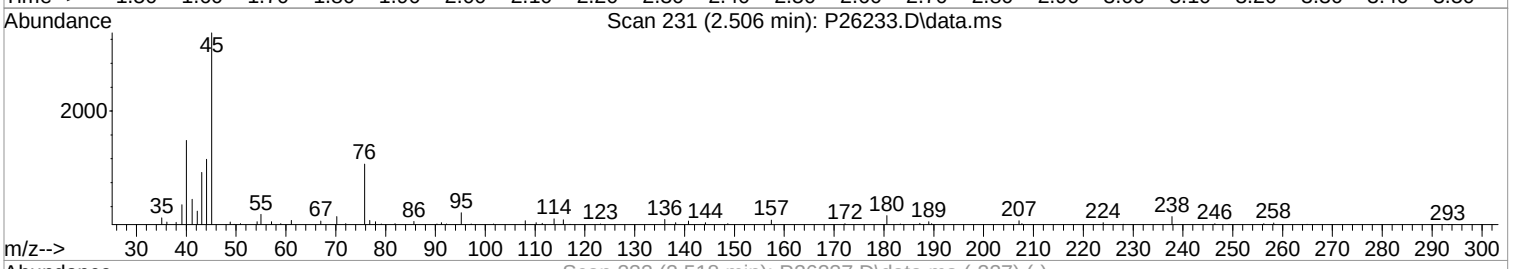
05/01/19

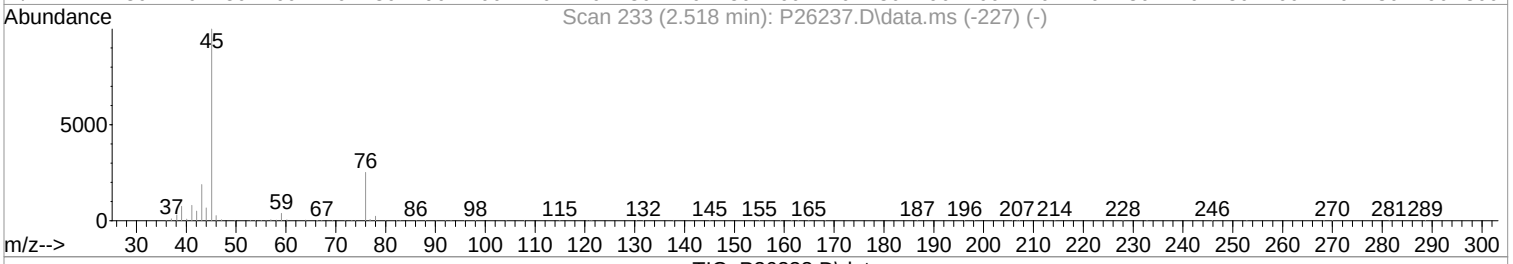
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26233.D
Acq On : 1 May 2019 1:08 pm
Operator : K.Ruest
Sample : 1.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 01 16:33:40 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26233.D\data.ms

(16) 2-Propanol

2.506min (-0.012) 16.28 ppb

response 5931

Ion	Exp%	Act%
45.00	100	100
43.00	19.10	29.29
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

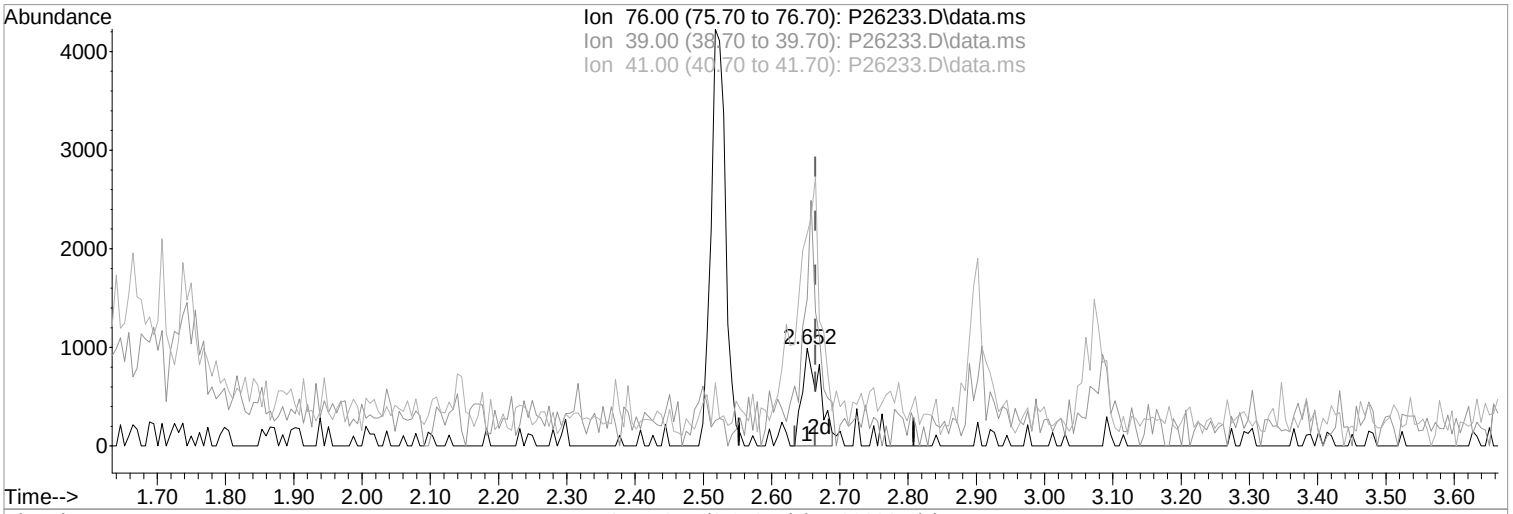
Before

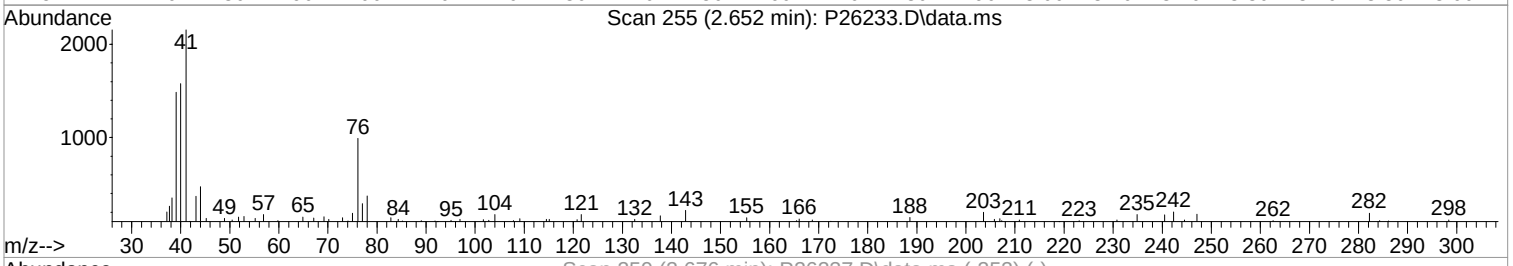
05/01/19

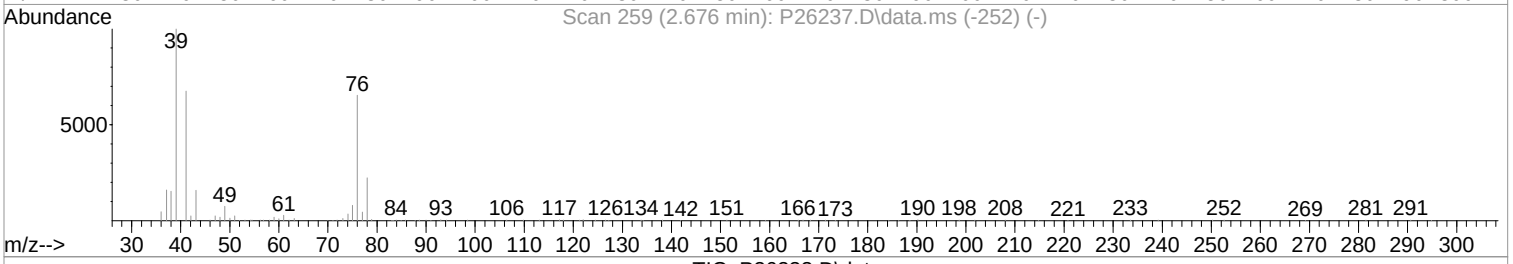
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26233.D
Acq On : 1 May 2019 1:08 pm
Operator : K.Ruest
Sample : 1.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 01 16:33:40 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26233.D\data.ms

(20) Allyl Chloride

2.652min (-0.012) 1.15 ppb m

response 1765

Ion	Exp%	Act%
76.00	100	100
39.00	179.40	149.95#
41.00	248.40	217.56#
0.00	0.00	0.00

Manual Integration:

After

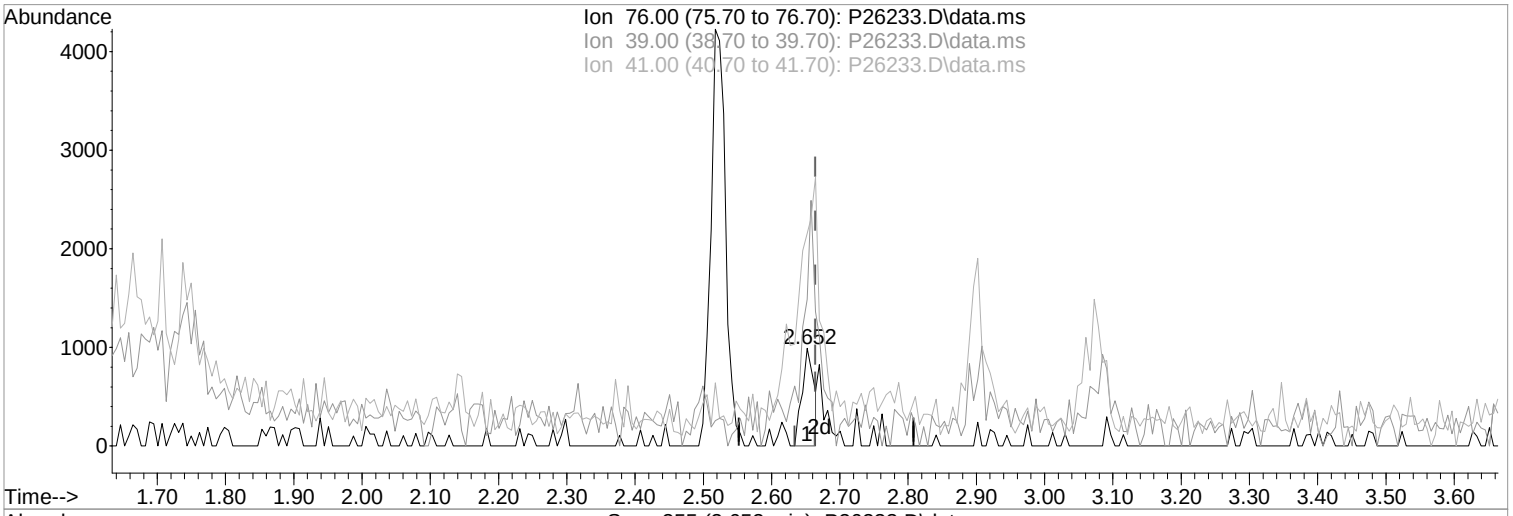
Poor integration.

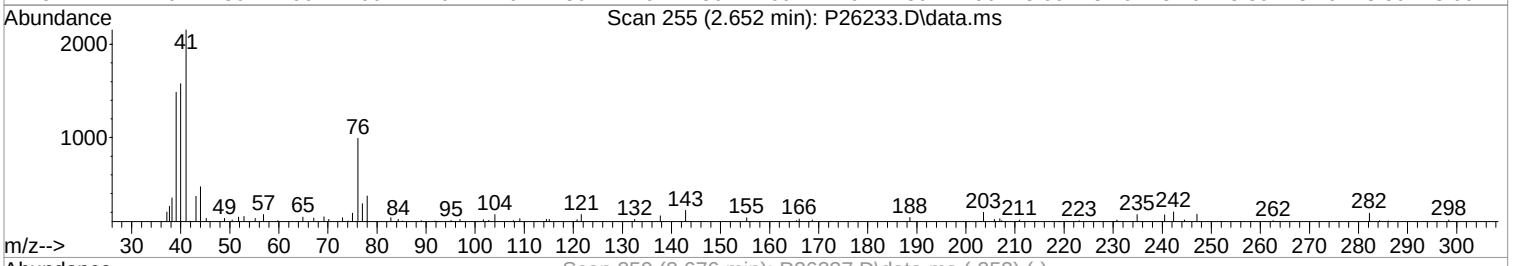
05/01/19

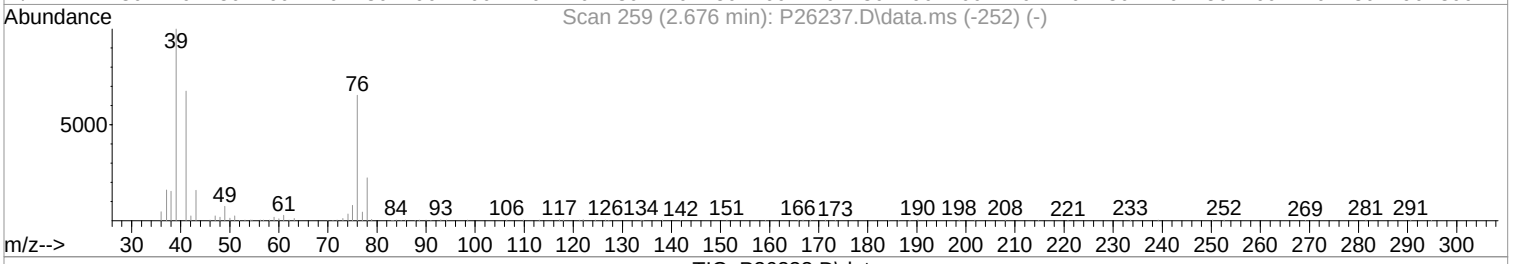
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26233.D
Acq On : 1 May 2019 1:08 pm
Operator : K.Ruest
Sample : 1.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 01 16:33:40 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26233.D\data.ms

(20) Allyl Chloride

2.652min (-0.012) 0.77 ppb

response 1183

Ion	Exp%	Act%
76.00	100	100
39.00	179.40	149.95#
41.00	248.40	217.56#
0.00	0.00	0.00

Manual Integration:

Before

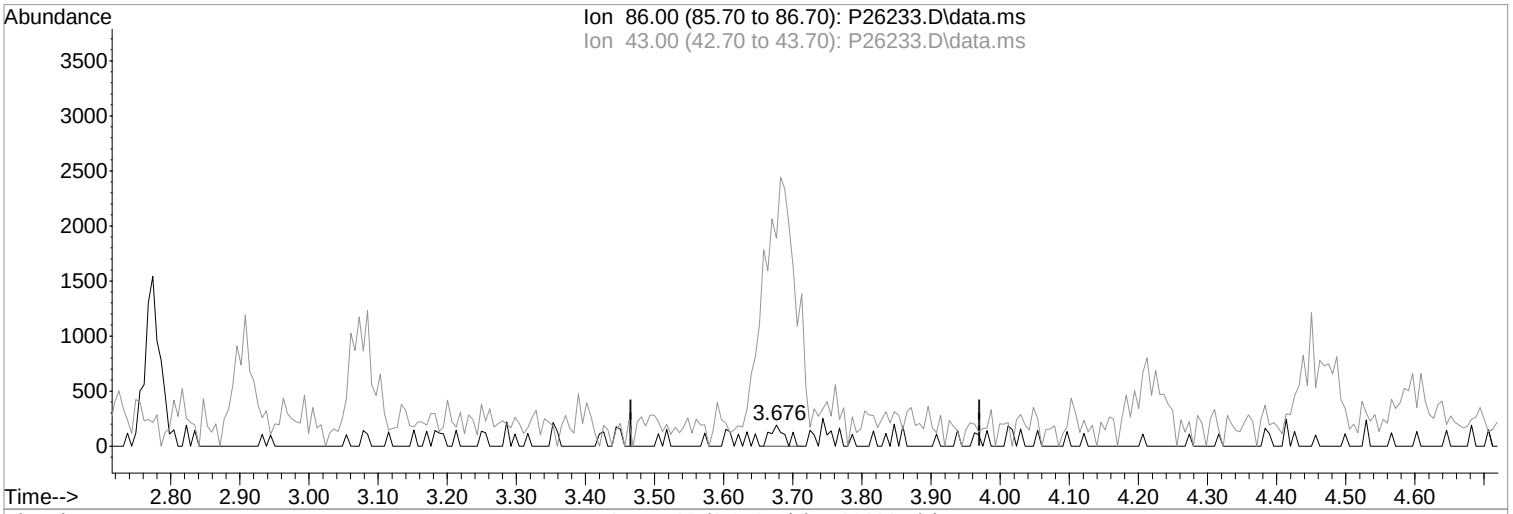
05/01/19

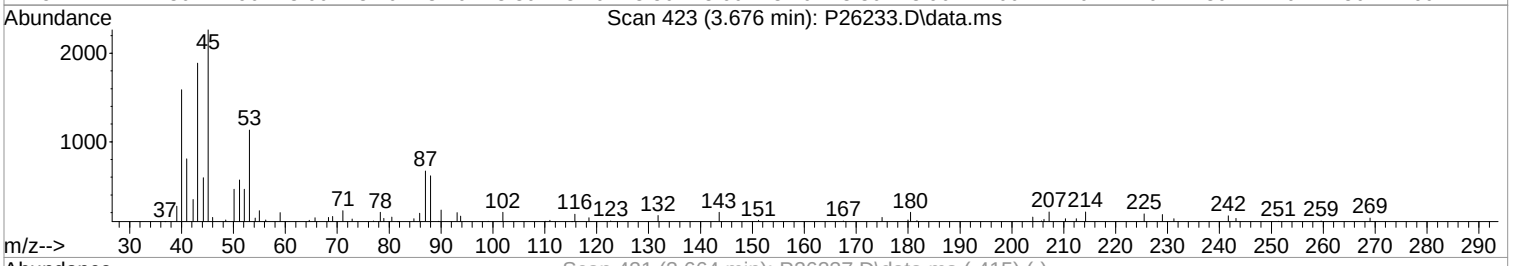
1st 05/01/19
2nd 05/02/19

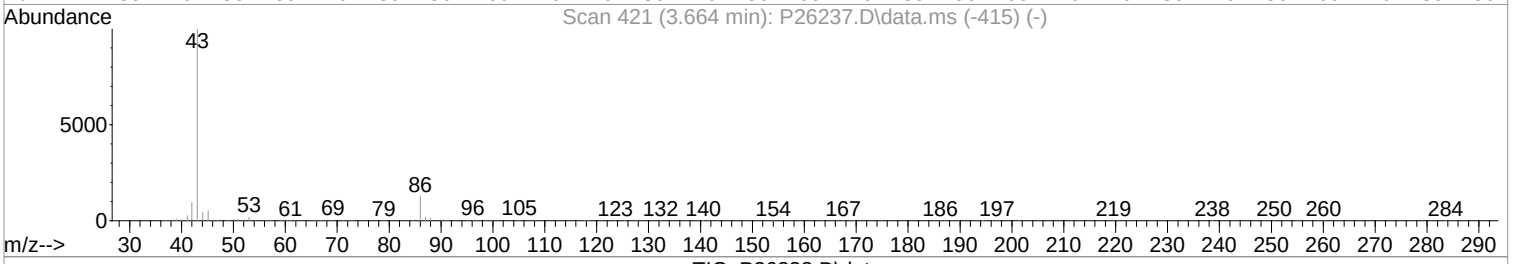
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26233.D
Acq On : 1 May 2019 1:08 pm
Operator : K.Ruest
Sample : 1.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 01 16:33:40 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26233.D\data.ms

(29) Vinyl Acetate

3.676min (+0.012) 0.44 ppb m

response 288

Ion	Exp%	Act%
86.00	100	100
43.00	802.20	989.01#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

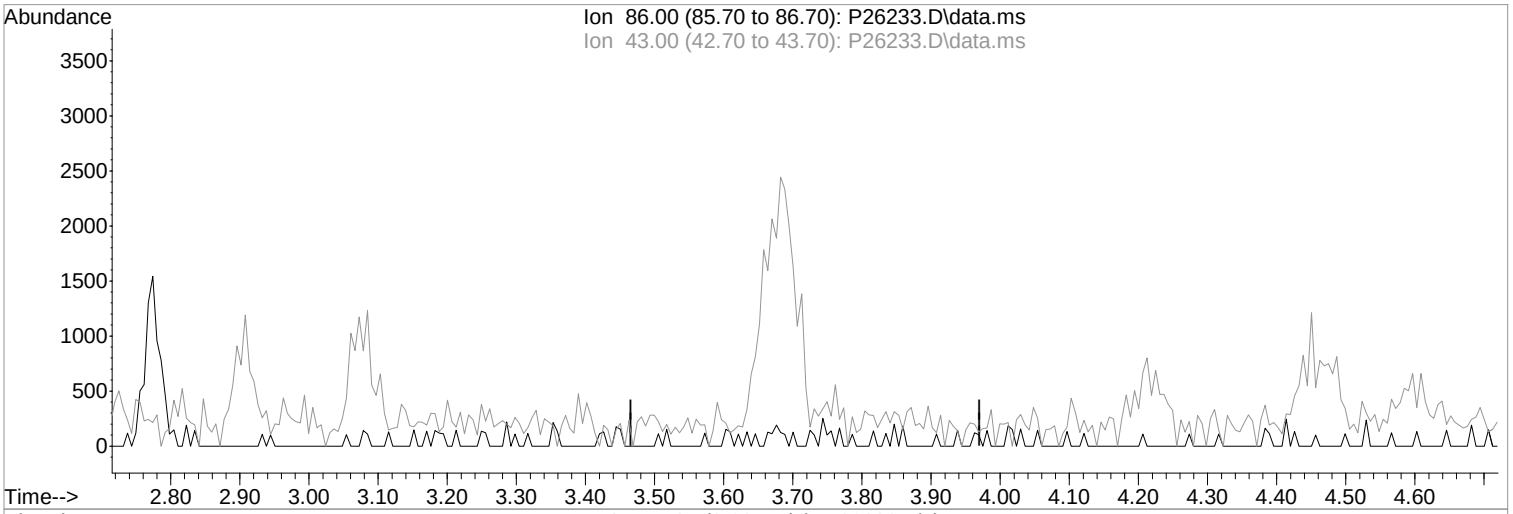
Peak not found.

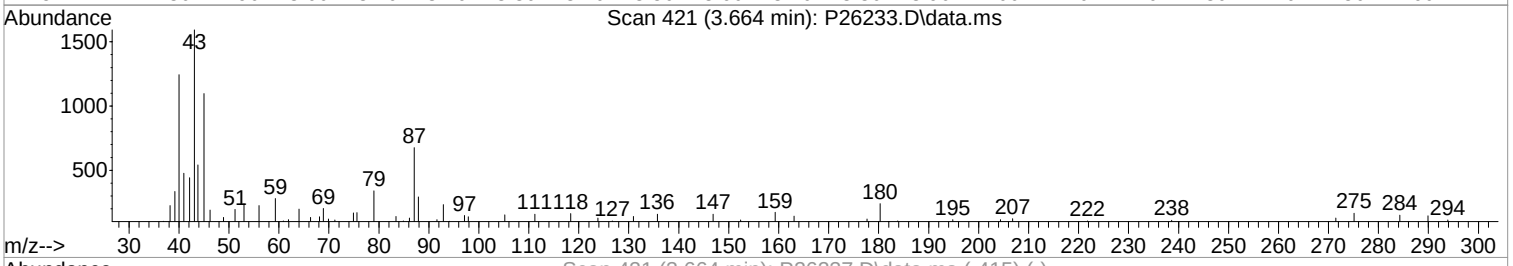
05/01/19

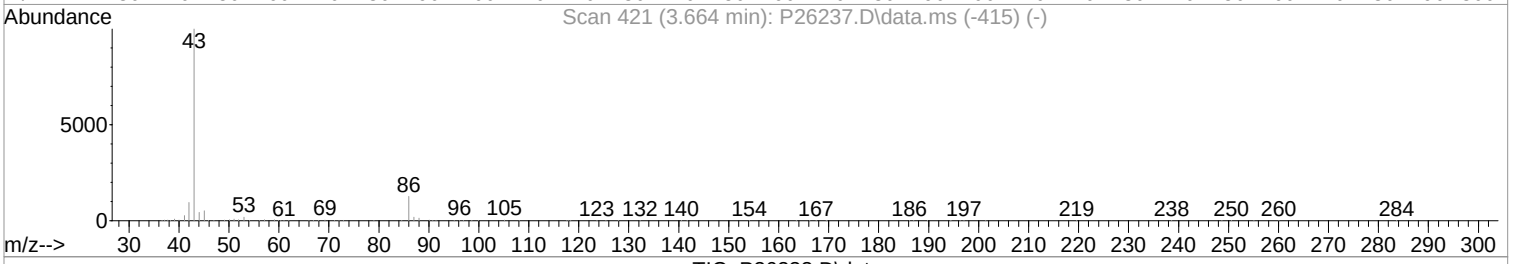
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26233.D
Acq On : 1 May 2019 1:08 pm
Operator : K.Ruest
Sample : 1.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 01 16:33:40 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26233.D\data.ms

(29) Vinyl Acetate

3.664min (-3.664) 0.00 ppb

response 0

Ion	Exp%	Act%
86.00	100	0.00
43.00	802.20	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

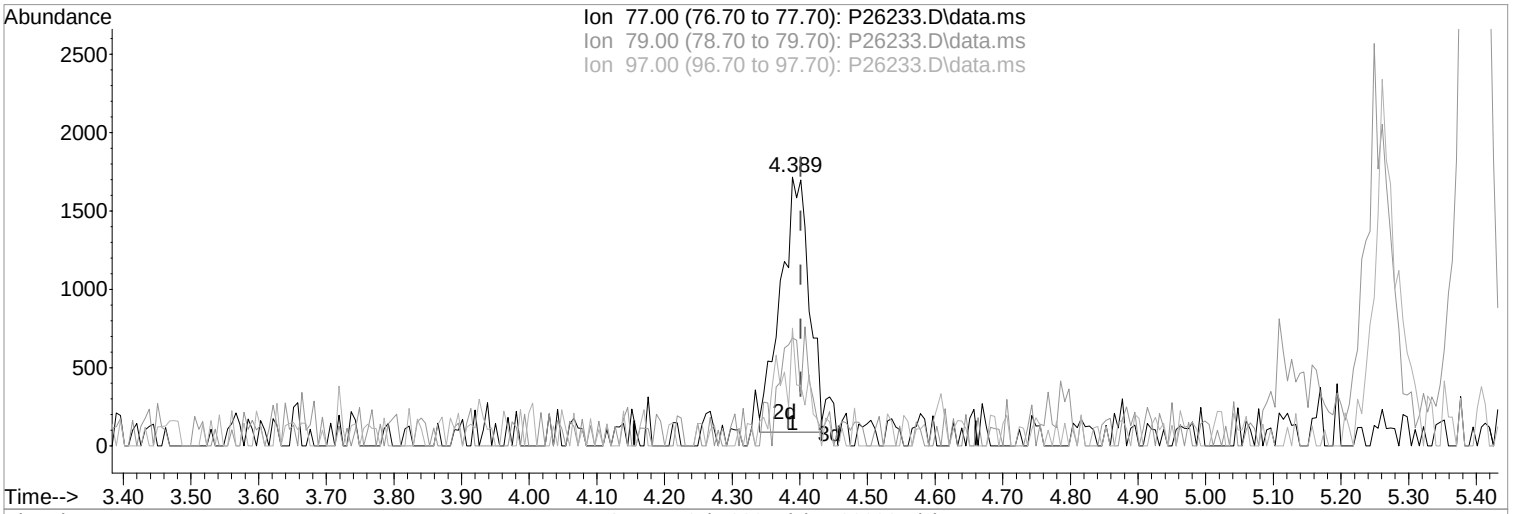
Before

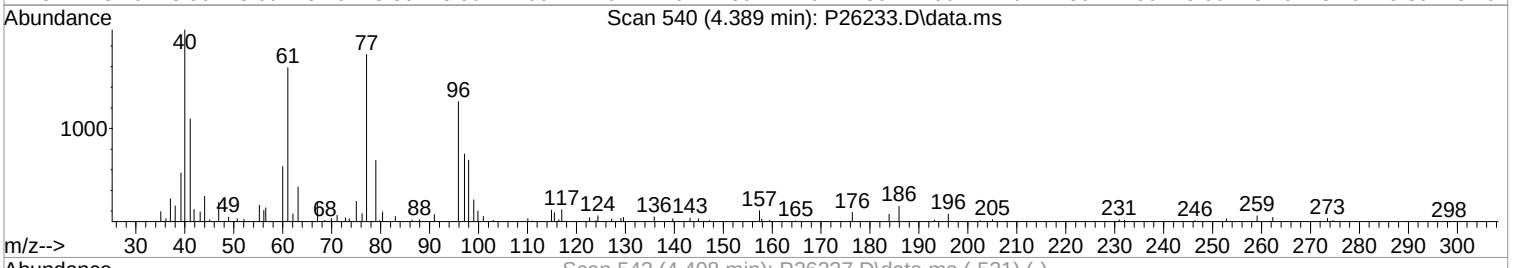
05/01/19

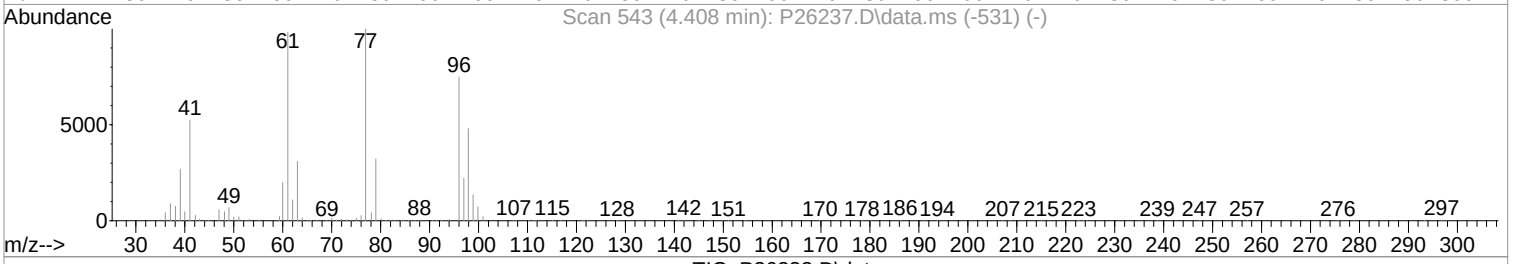
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26233.D
Acq On : 1 May 2019 1:08 pm
Operator : K.Ruest
Sample : 1.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 01 16:33:40 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26233.D\data.ms

(33) 2,2-Dichloropropane

4.389min (-0.012) 0.99 ppb m

response 4736

Ion	Exp%	Act%
77.00	100	100
79.00	32.20	40.30
97.00	22.10	43.86#
0.00	0.00	0.00

Manual Integration:

After

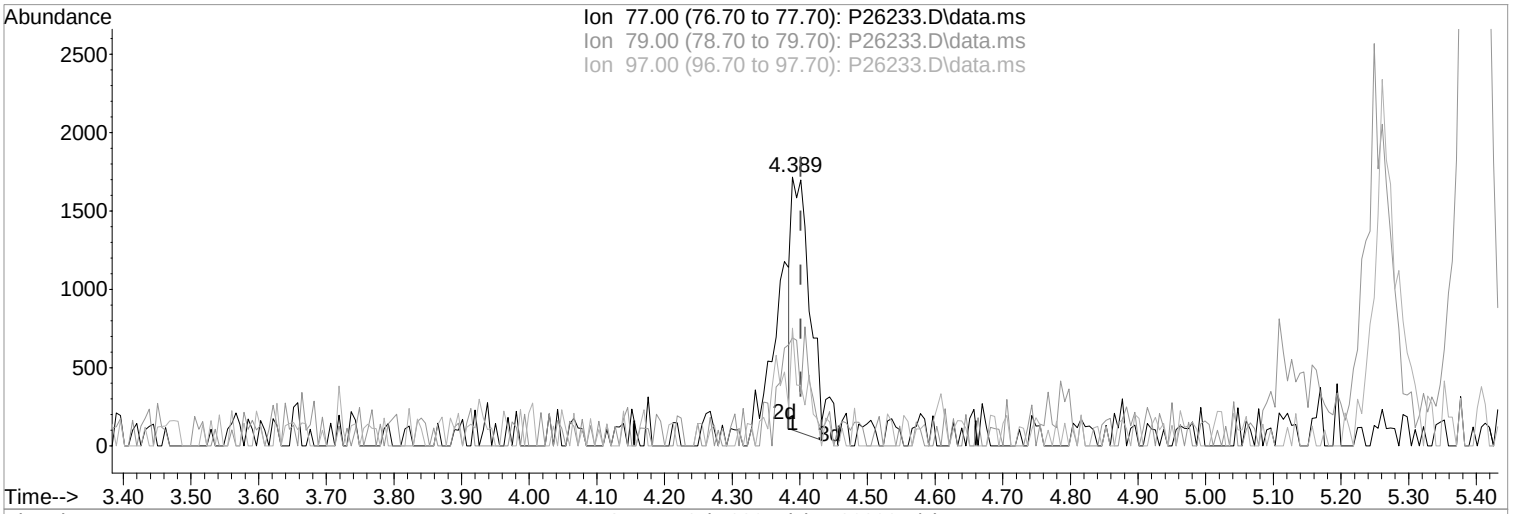
Split Peak

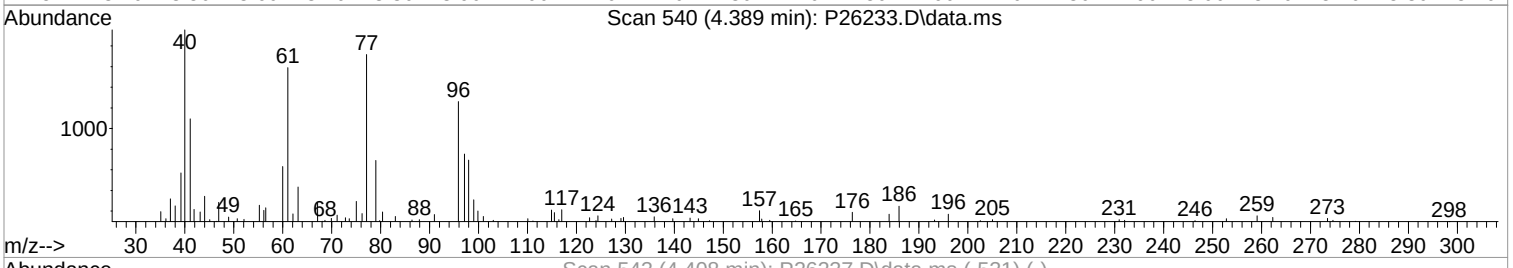
05/01/19

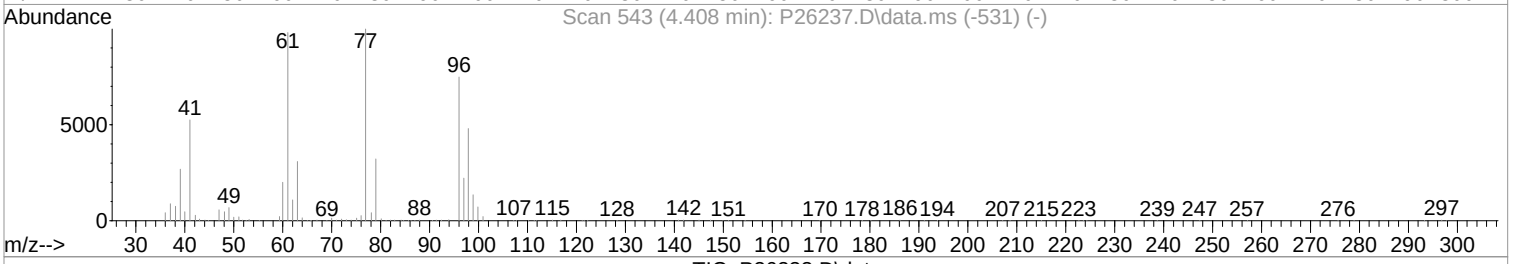
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26233.D
Acq On : 1 May 2019 1:08 pm
Operator : K.Ruest
Sample : 1.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 01 16:33:40 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26233.D\data.ms

(33) 2,2-Dichloropropane

4.389min (-0.012) 0.63 ppb

response 3000

Ion	Exp%	Act%
77.00	100	100
79.00	32.20	40.30
97.00	22.10	43.86#
0.00	0.00	0.00

Manual Integration:

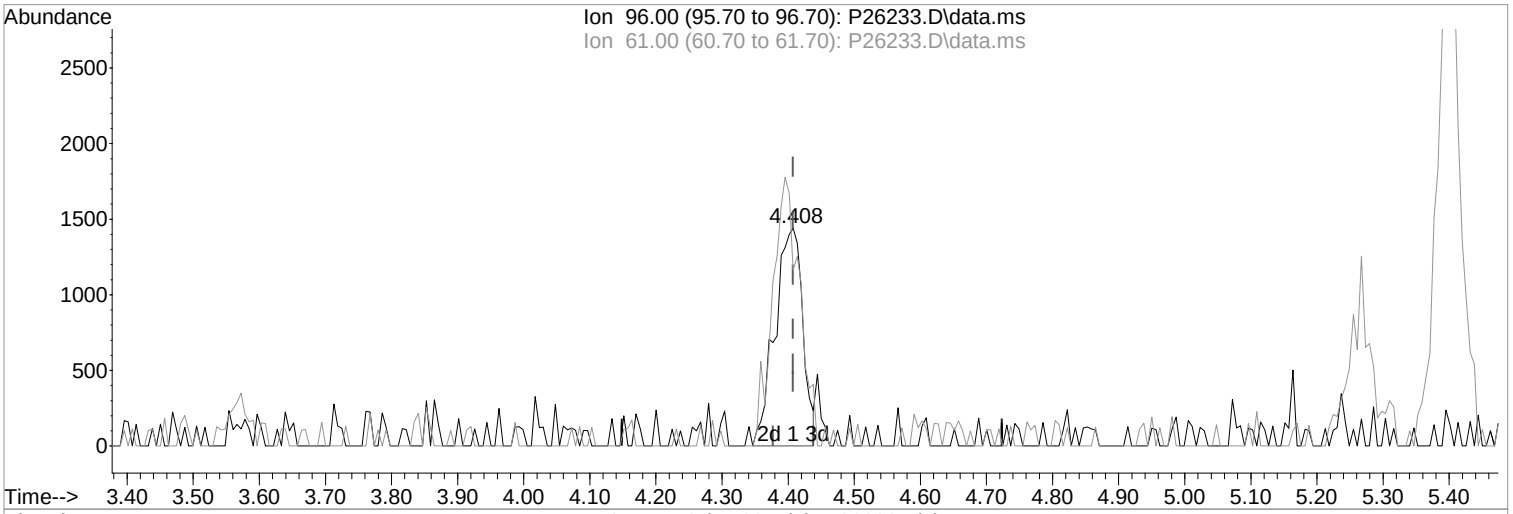
Before

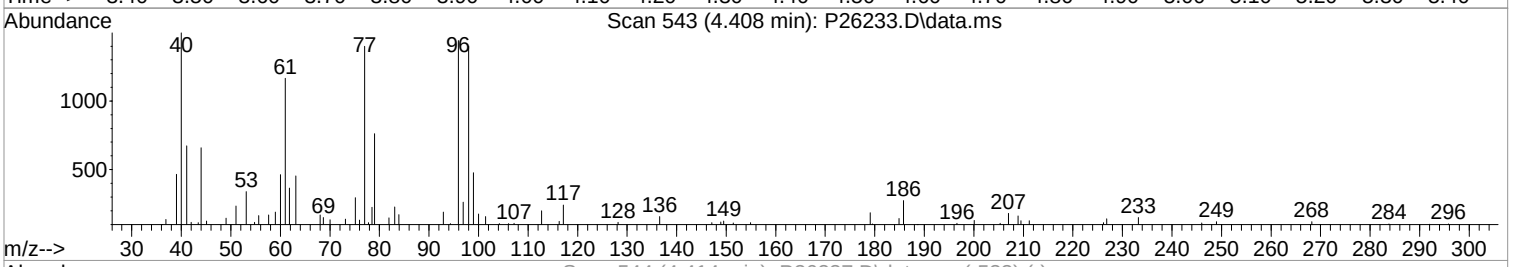
05/01/19

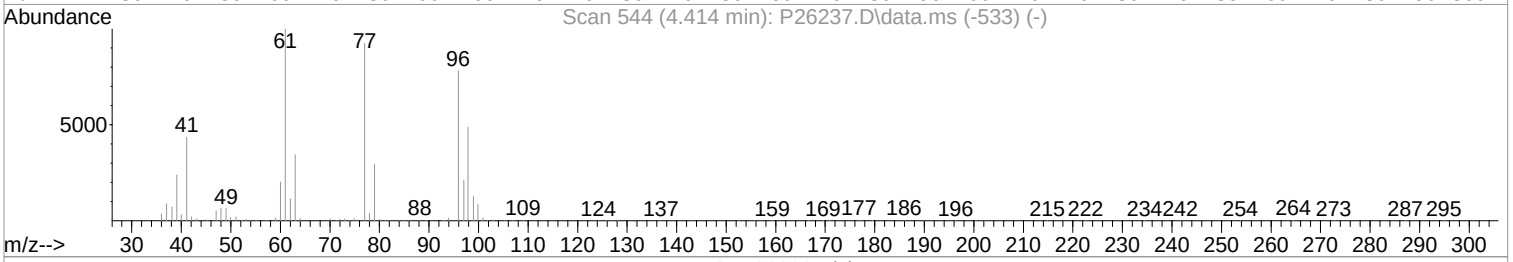
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26233.D
Acq On : 1 May 2019 1:08 pm
Operator : K.Ruest
Sample : 1.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 01 16:33:40 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26233.D\data.ms

(34) cis-1,2-Dichloroethene (P)

4.408min (-0.000) 1.11 ppb m

response 4217

Ion	Exp%	Act%
96.00	100	100
61.00	128.10	80.79#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

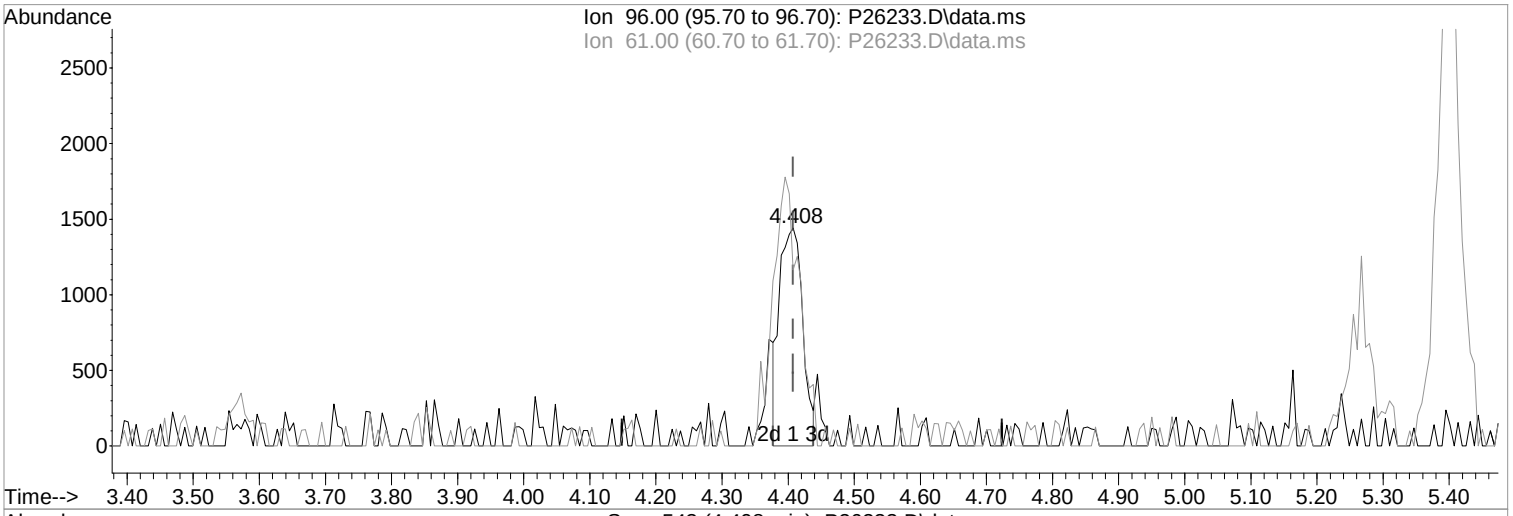
Split Peak

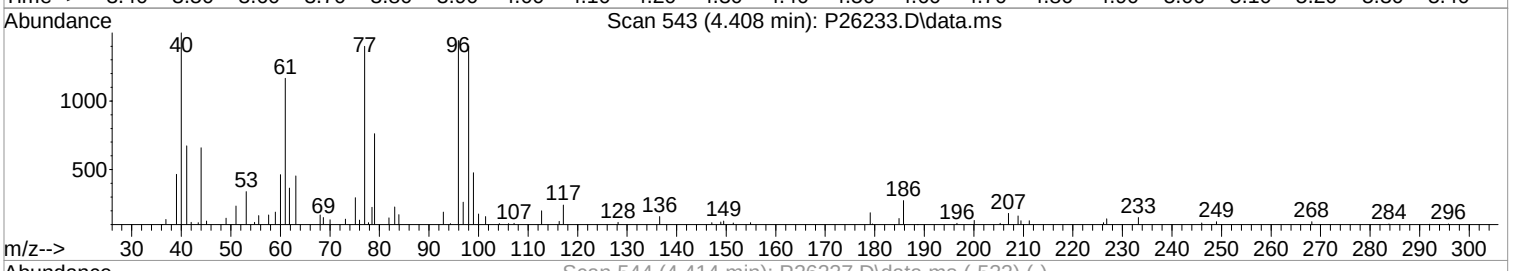
05/01/19

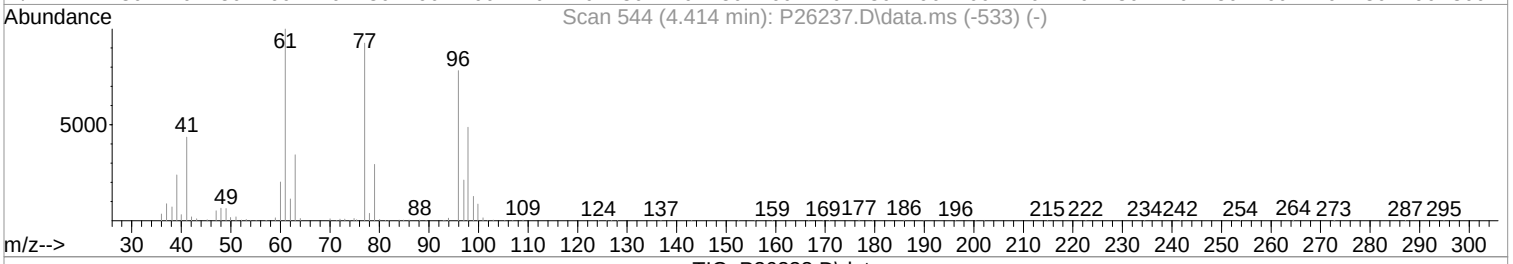
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26233.D
Acq On : 1 May 2019 1:08 pm
Operator : K.Ruest
Sample : 1.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 01 16:33:40 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26233.D\data.ms

(34) cis-1,2-Dichloroethene (P)

4.408min (-0.000) 0.93 ppb

response 3510

Ion	Exp%	Act%
96.00	100	100
61.00	128.10	80.79#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

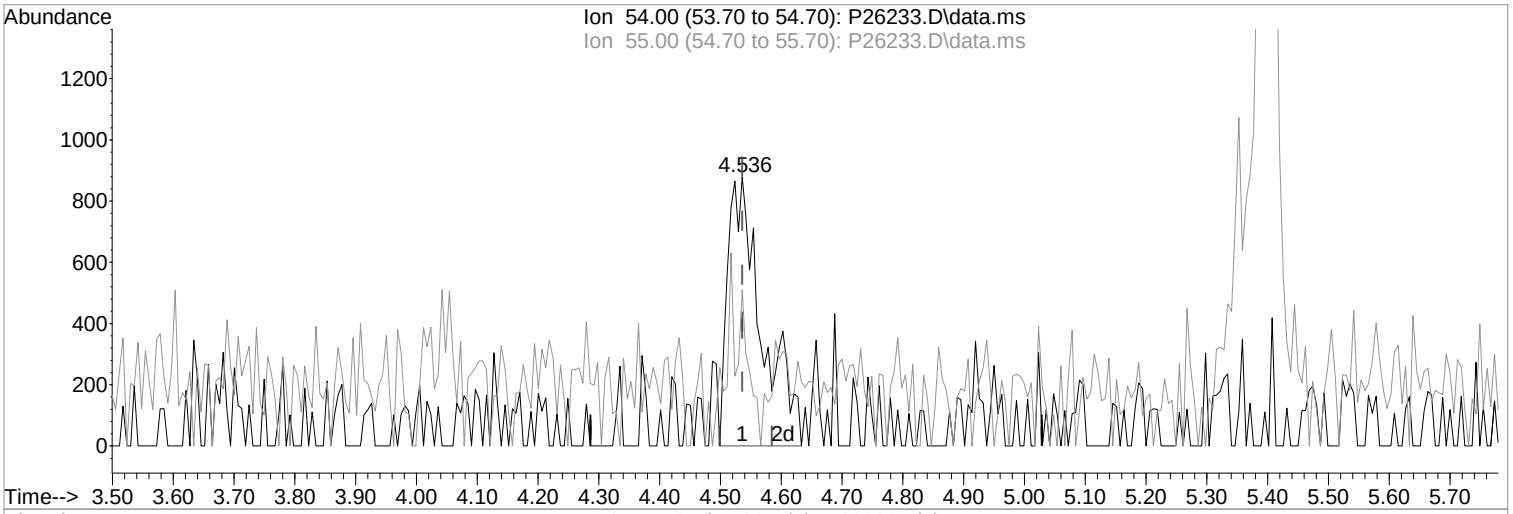
Before

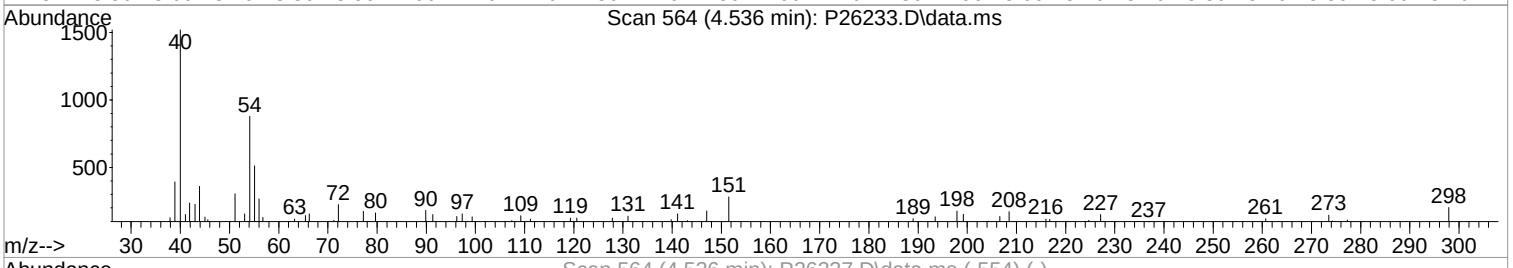
05/01/19

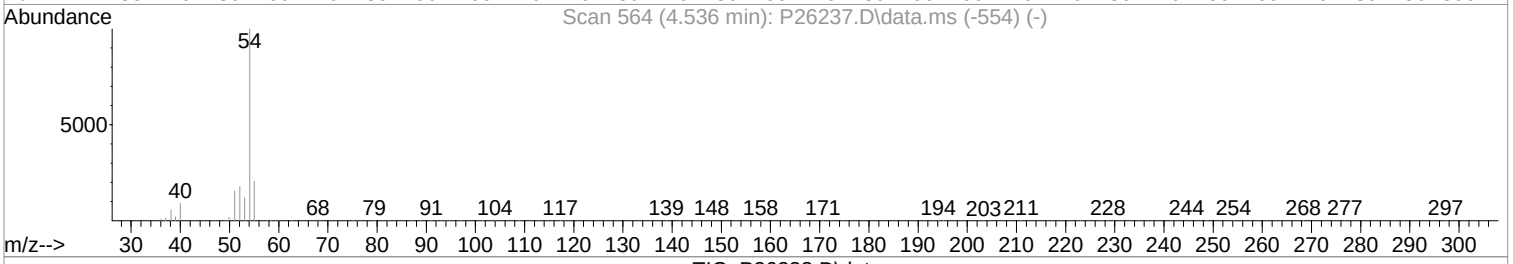
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26233.D
Acq On : 1 May 2019 1:08 pm
Operator : K.Ruest
Sample : 1.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 01 16:33:40 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26233.D\data.ms

(36) Propionitrile

4.536min (-0.000) 4.90 ppb m

response 3398

Ion	Exp%	Act%
54.00	100	100
55.00	21.30	58.13#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

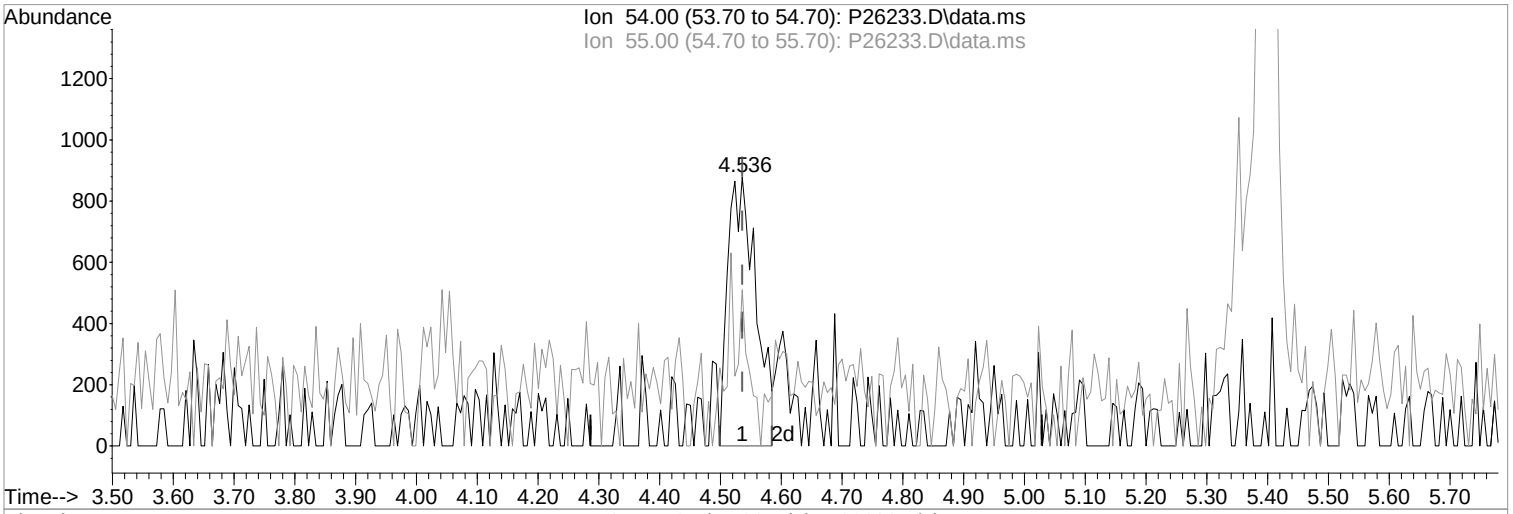
Split Peak

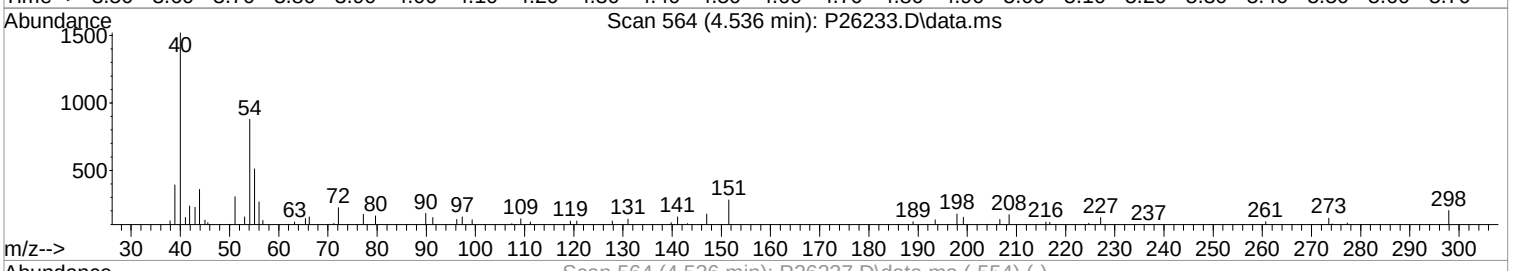
05/01/19

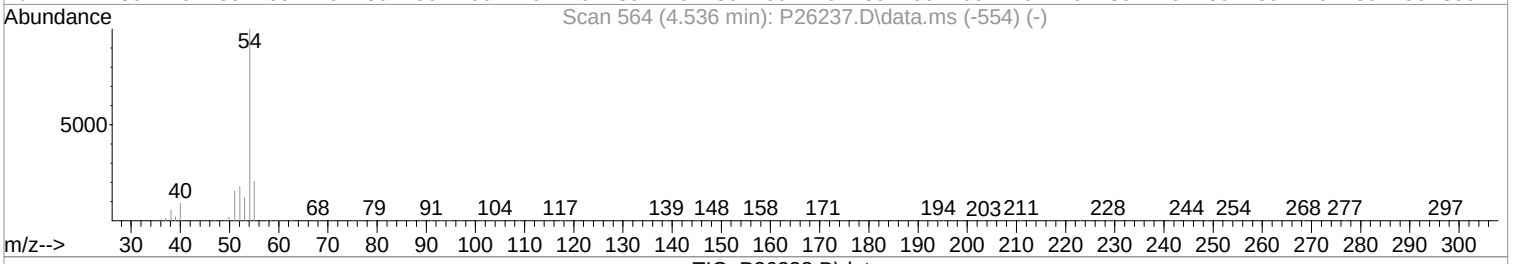
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26233.D
Acq On : 1 May 2019 1:08 pm
Operator : K.Ruest
Sample : 1.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 01 16:33:40 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26233.D\data.ms

(36) Propionitrile

4.536min (-0.000) 4.03 ppb

response 2795

Ion	Exp%	Act%
54.00	100	100
55.00	21.30	58.13#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

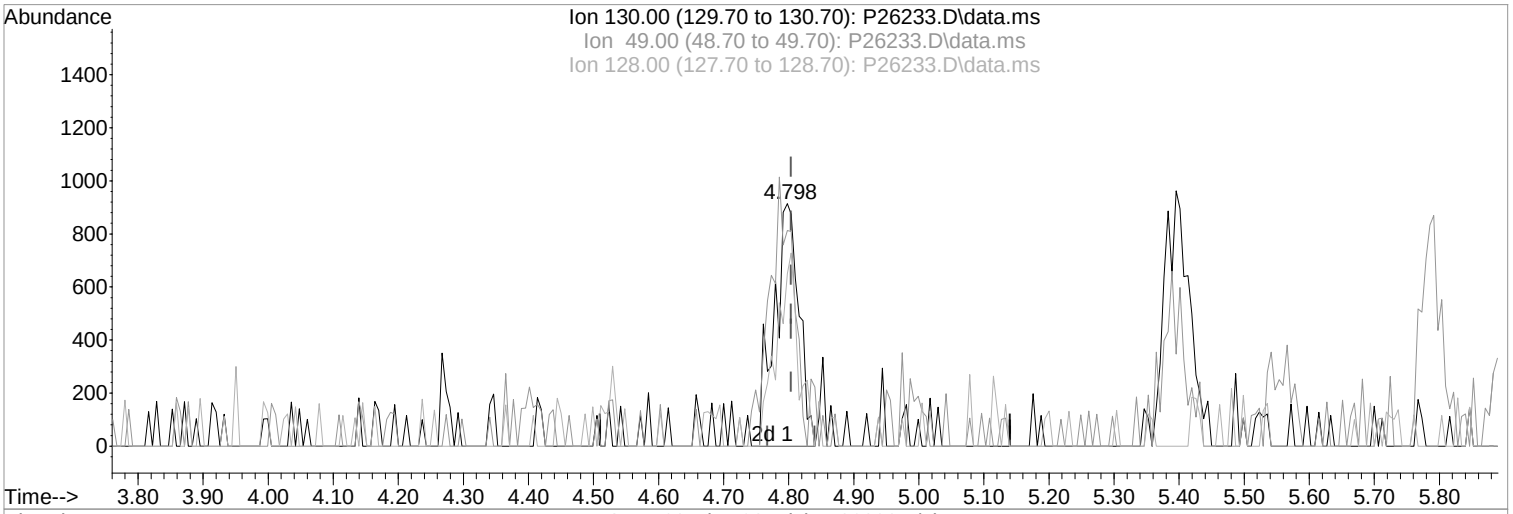
Before

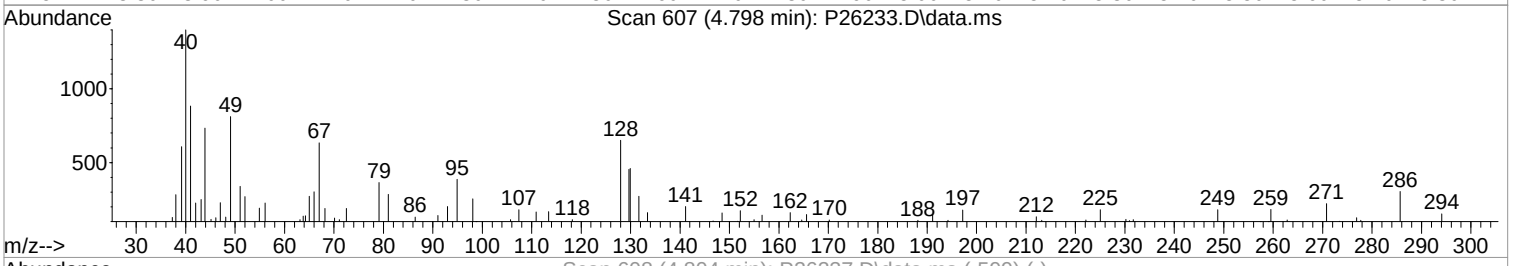
05/01/19

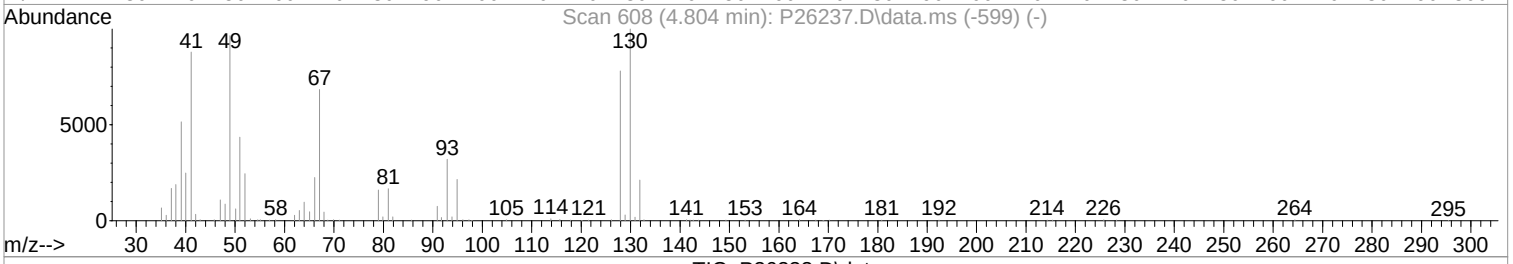
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26233.D
Acq On : 1 May 2019 1:08 pm
Operator : K.Ruest
Sample : 1.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 01 16:33:40 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26233.D\data.ms

(37) Bromochloromethane

4.798min (-0.006) 0.94 ppb m

response 2398

Ion	Exp%	Act%
130.00	100	100
49.00	96.80	176.74#
128.00	78.80	141.30#
0.00	0.00	0.00

Manual Integration:

After

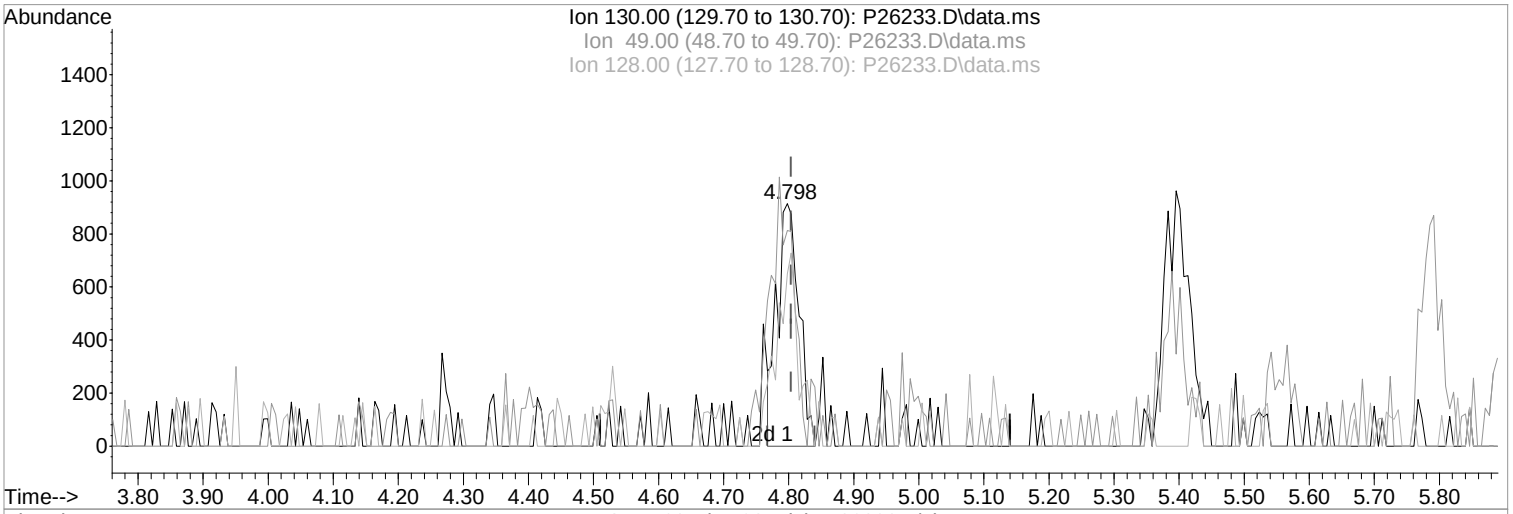
Split Peak

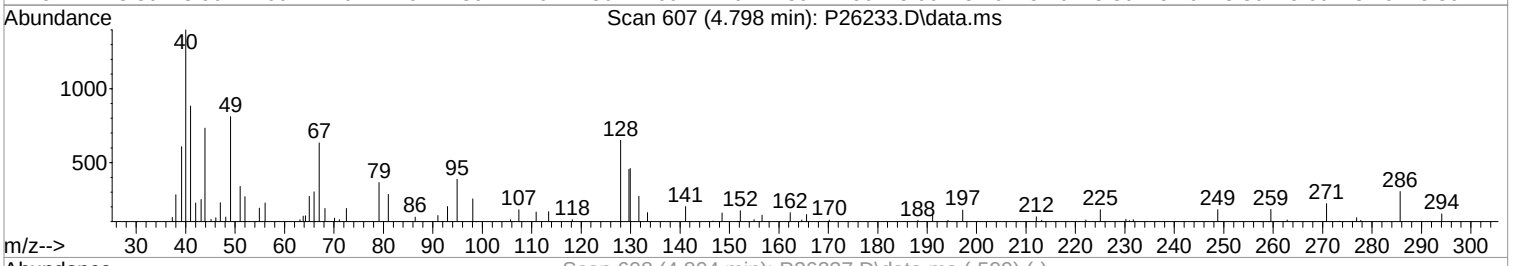
05/01/19

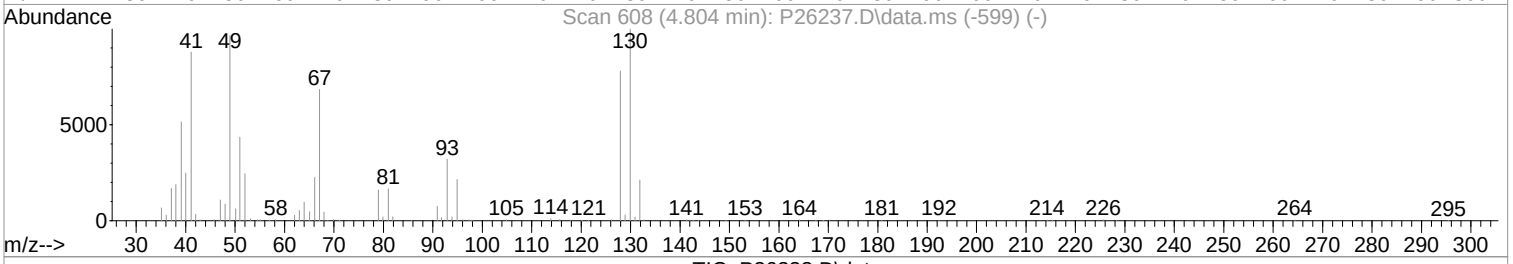
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26233.D
Acq On : 1 May 2019 1:08 pm
Operator : K.Ruest
Sample : 1.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 01 16:33:40 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26233.D\data.ms

(37) Bromochloromethane

4.798min (-0.006) 0.84 ppb

response 2126

Ion	Exp%	Act%
130.00	100	100
49.00	96.80	88.95
128.00	78.80	71.12
0.00	0.00	0.00

Manual Integration:

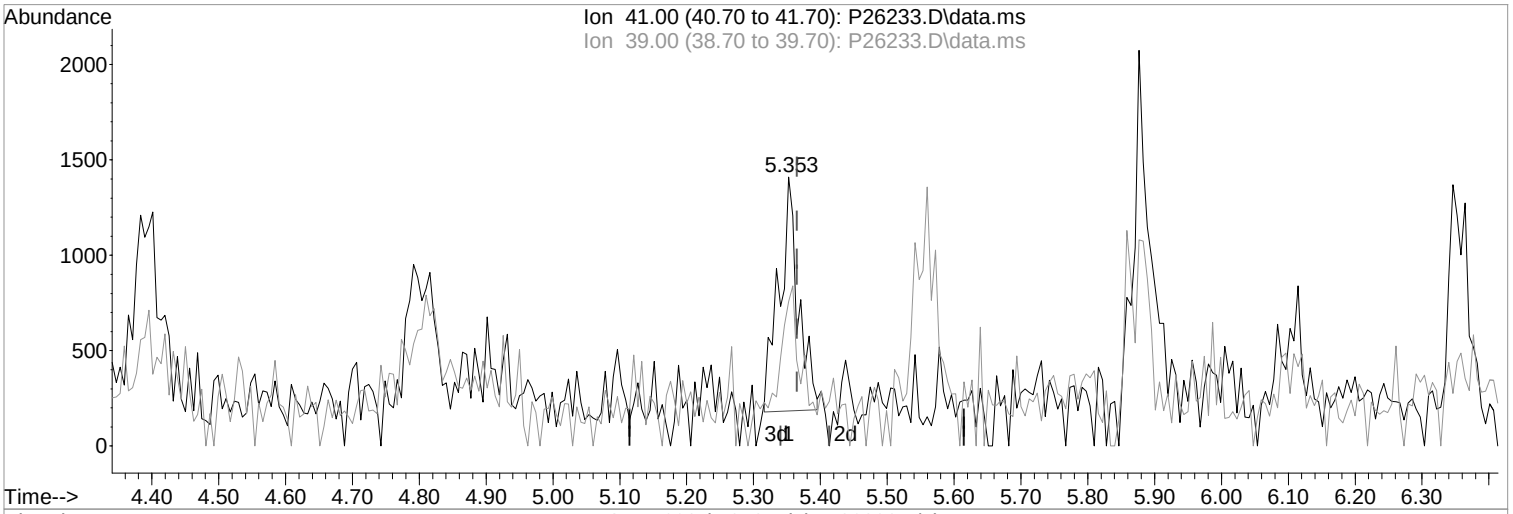
Before

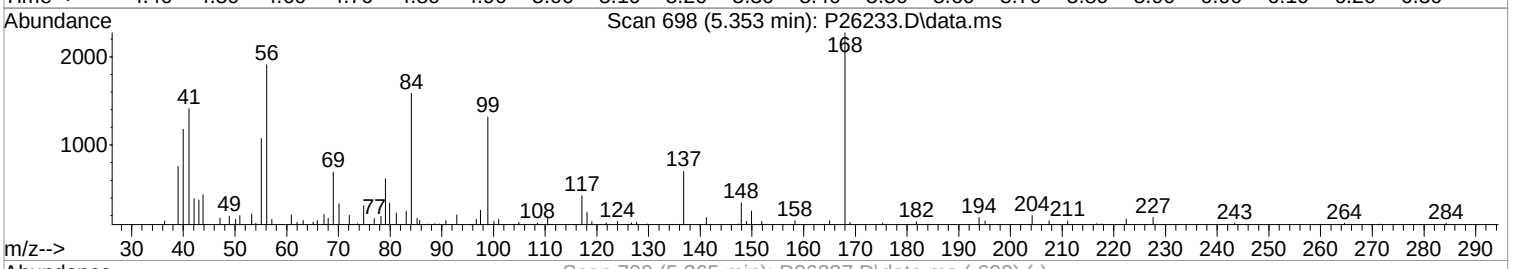
05/01/19

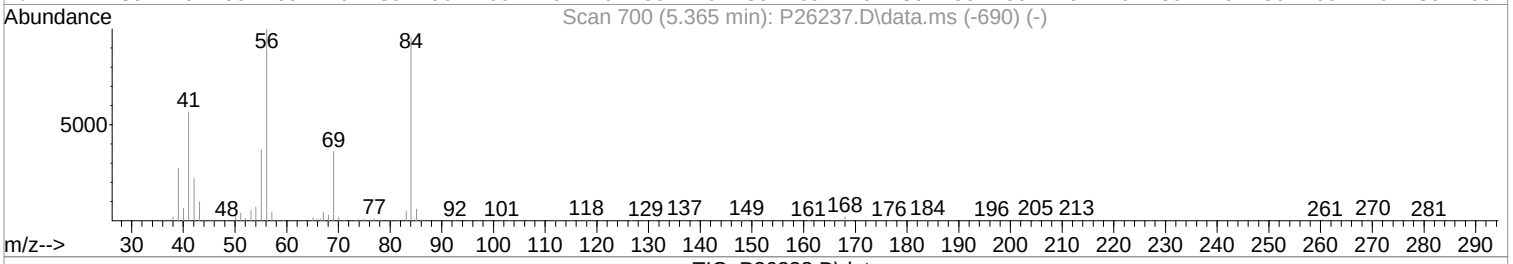
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26233.D
Acq On : 1 May 2019 1:08 pm
Operator : K.Ruest
Sample : 1.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 01 16:33:40 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26233.D\data.ms

(44) Cyclohexane (P)

5.353min (-0.012) 0.91 ppb m

response 2453

Ion	Exp%	Act%
41.00	100	100
39.00	48.60	53.69
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

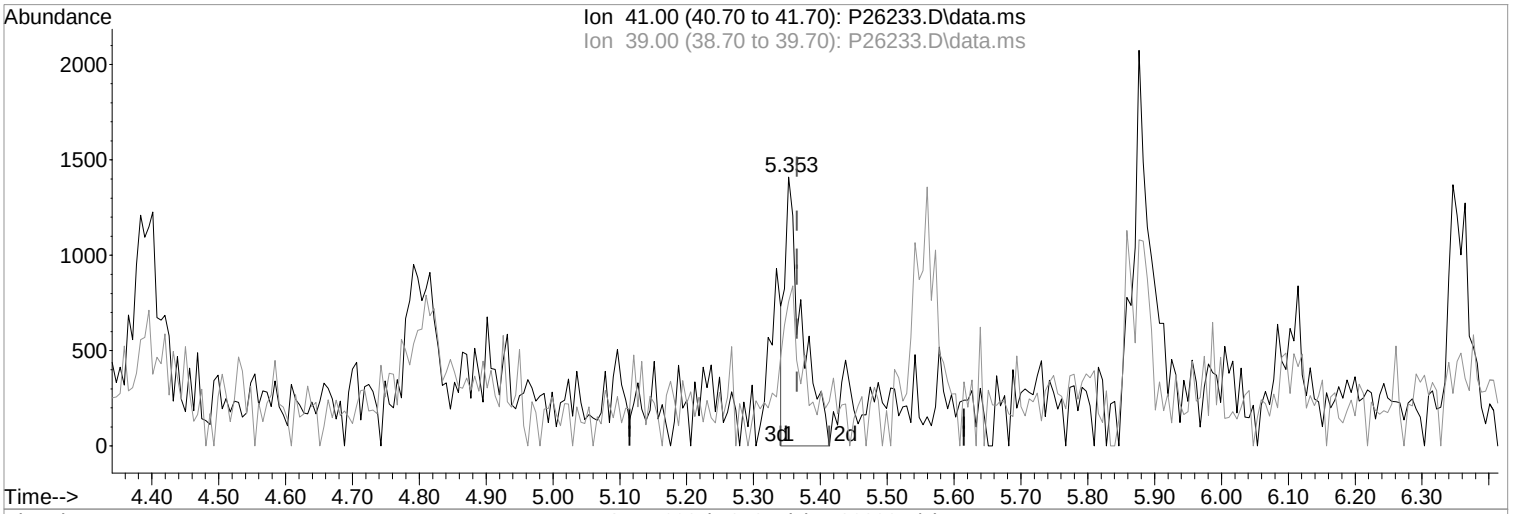
Poor integration.

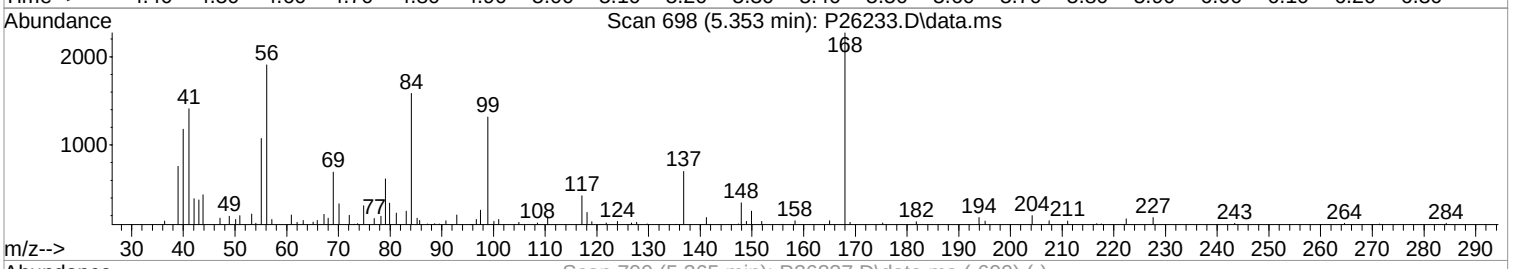
05/01/19

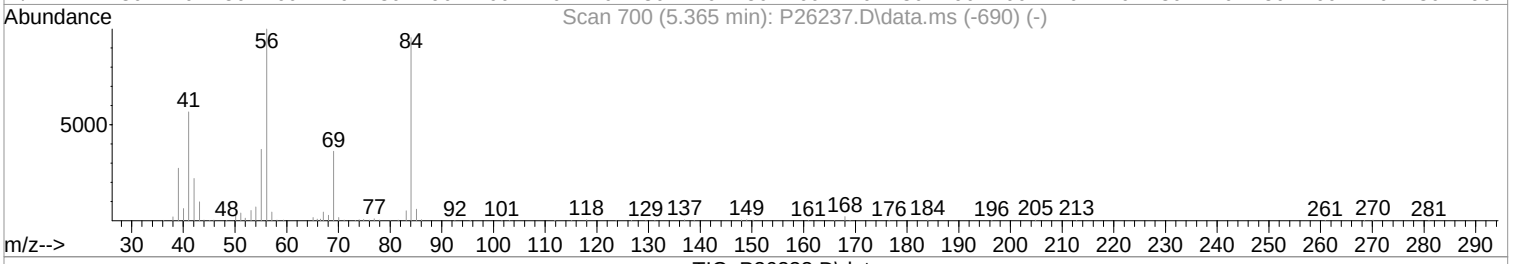
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26233.D
Acq On : 1 May 2019 1:08 pm
Operator : K.Ruest
Sample : 1.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 01 16:33:40 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26233.D\data.ms

(44) Cyclohexane (P)

5.353min (-0.012) 0.93 ppb

response 2488

Ion	Exp%	Act%
41.00	100	100
39.00	48.60	53.69
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

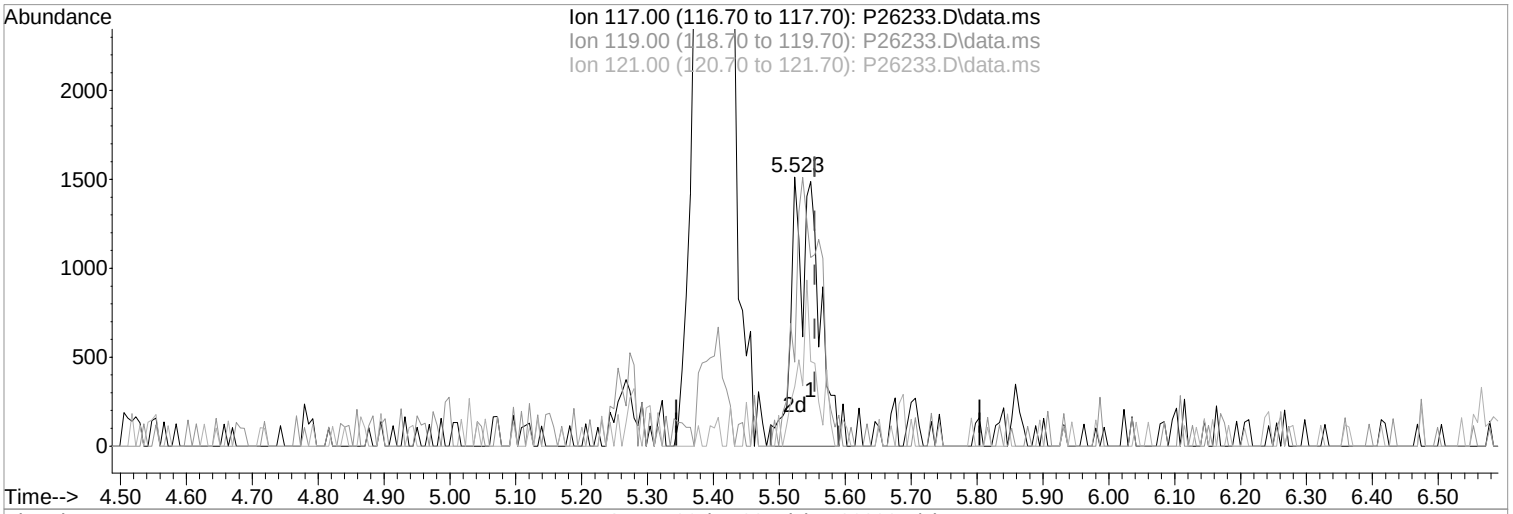
Before

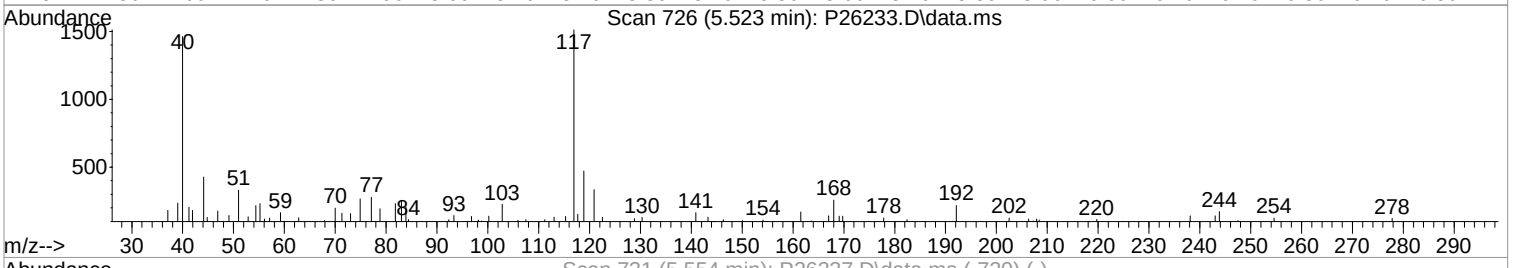
05/01/19

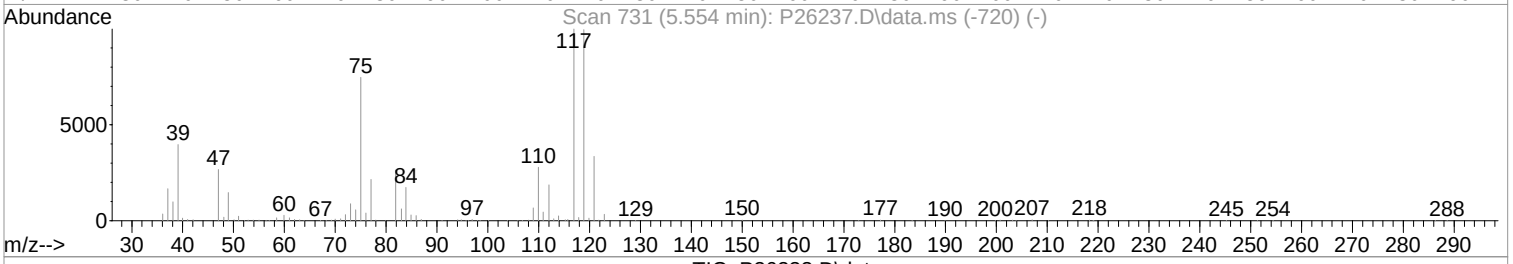
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26233.D
Acq On : 1 May 2019 1:08 pm
Operator : K.Ruest
Sample : 1.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 01 16:33:40 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26233.D\data.ms

(46) Carbontetrachloride (P)

5.523min (-0.031) 0.93 ppb m

response 4031

Ion	Exp%	Act%
117.00	100	100
119.00	99.40	31.20#
121.00	33.40	22.08
0.00	0.00	0.00

Manual Integration:

After

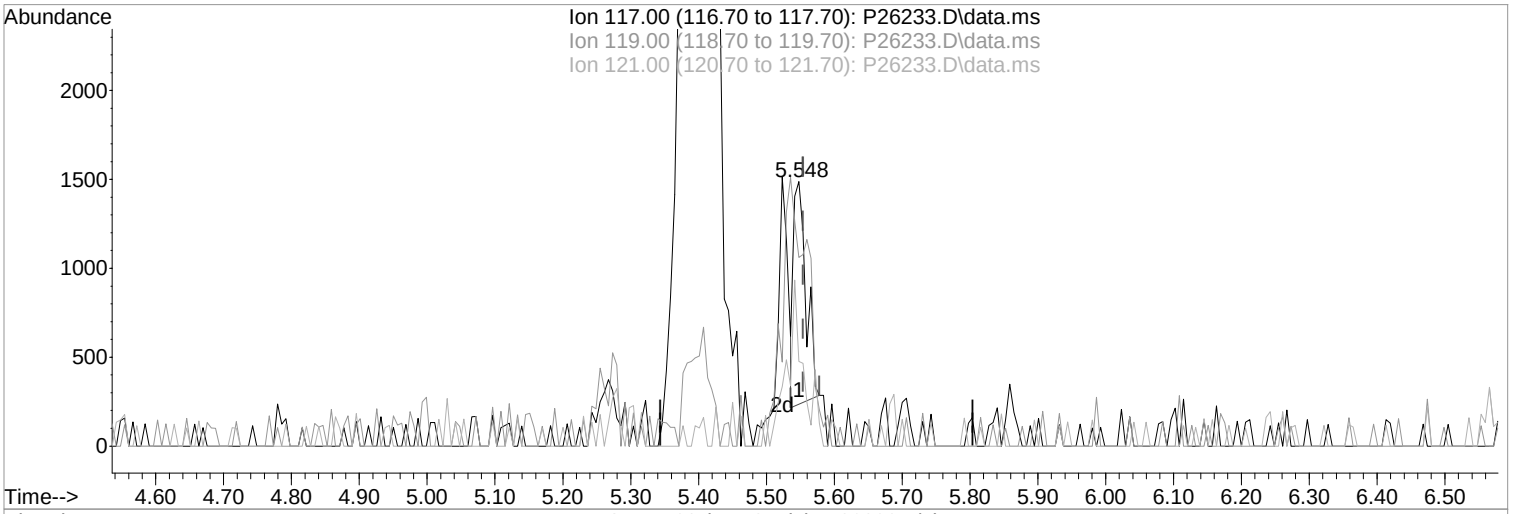
Split Peak

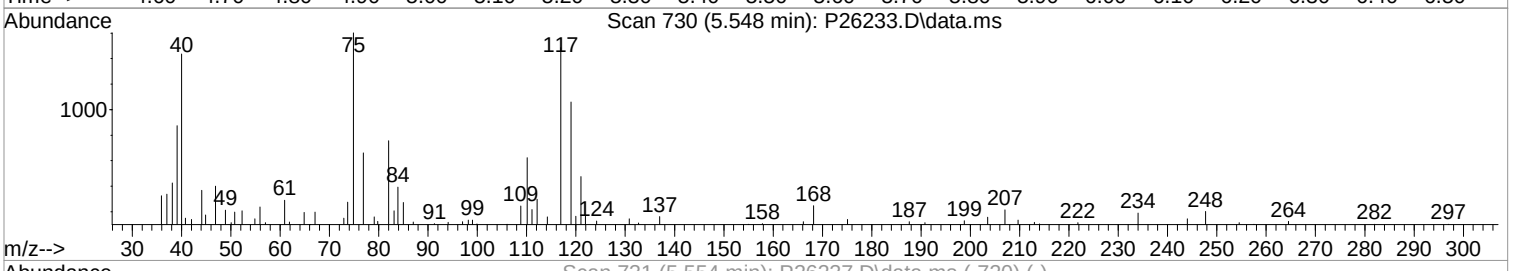
05/01/19

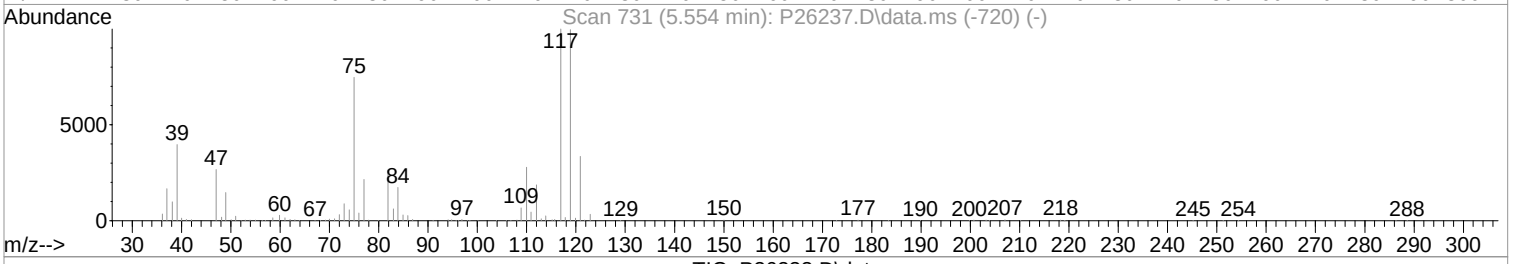
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26233.D
Acq On : 1 May 2019 1:08 pm
Operator : K.Ruest
Sample : 1.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 01 16:33:40 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26233.D\data.ms

(46) Carbontetrachloride (P)

5.548min (-0.006) 0.37 ppb

response 1616

Ion	Exp%	Act%
117.00	100	100
119.00	99.40	71.35#
121.00	33.40	32.01
0.00	0.00	0.00

Manual Integration:

Before

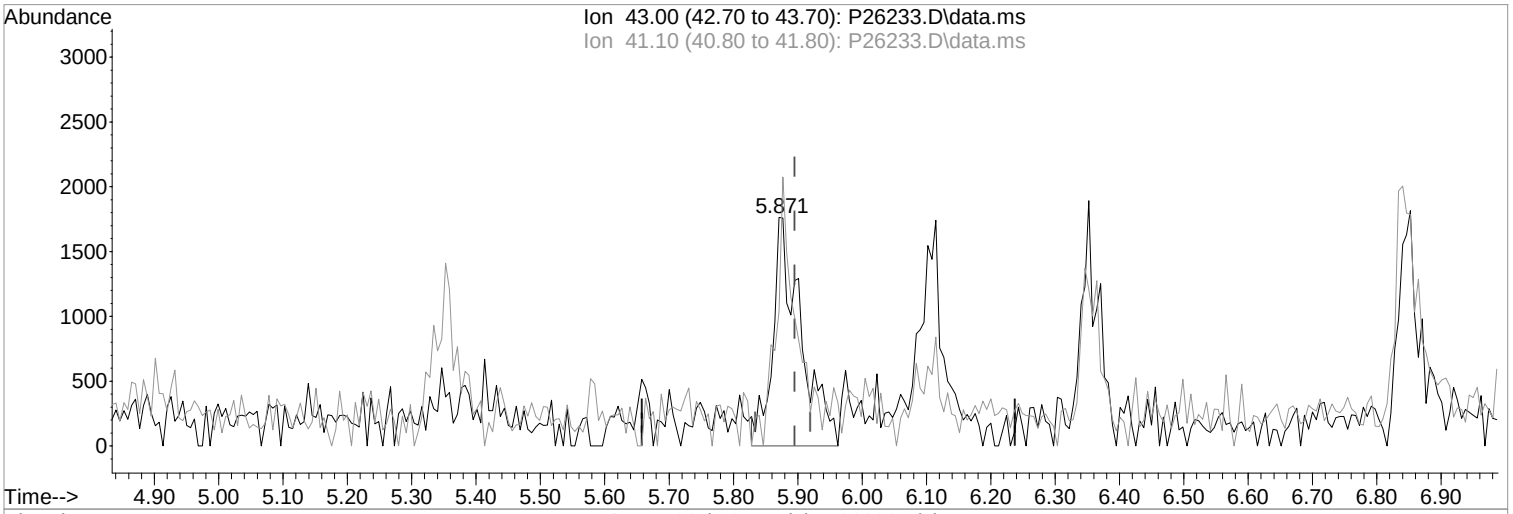
05/01/19

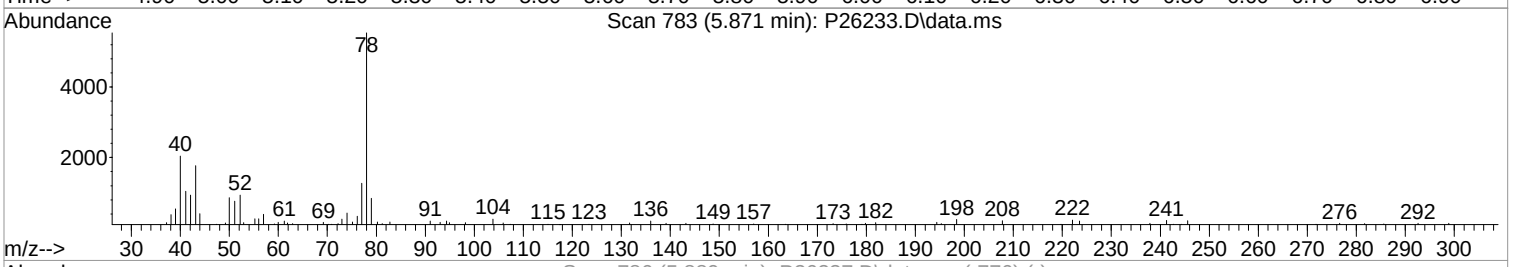
1st 05/01/19
2nd 05/02/19

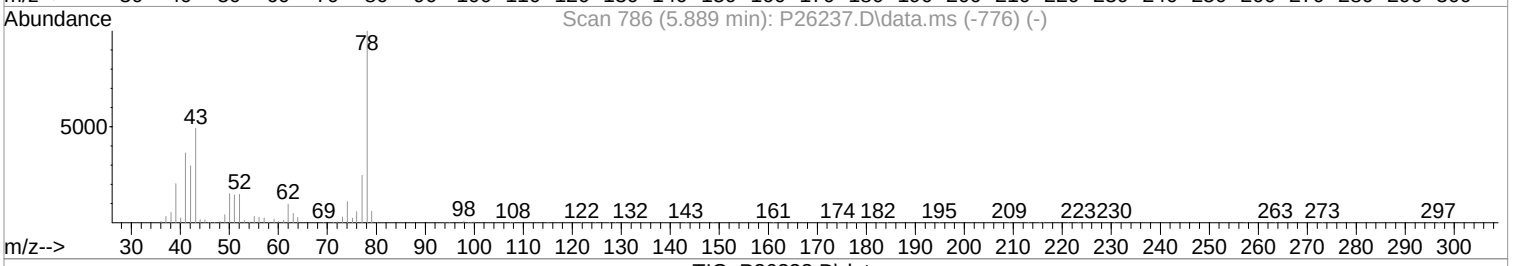
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26233.D
Acq On : 1 May 2019 1:08 pm
Operator : K.Ruest
Sample : 1.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 01 16:33:40 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26233.D\data.ms

(51) Iso-Butyl Alcohol

5.871min (-0.024) 19.19 ppb m

response 5327

Ion	Exp%	Act%
43.00	100	100
41.10	74.30	59.01
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

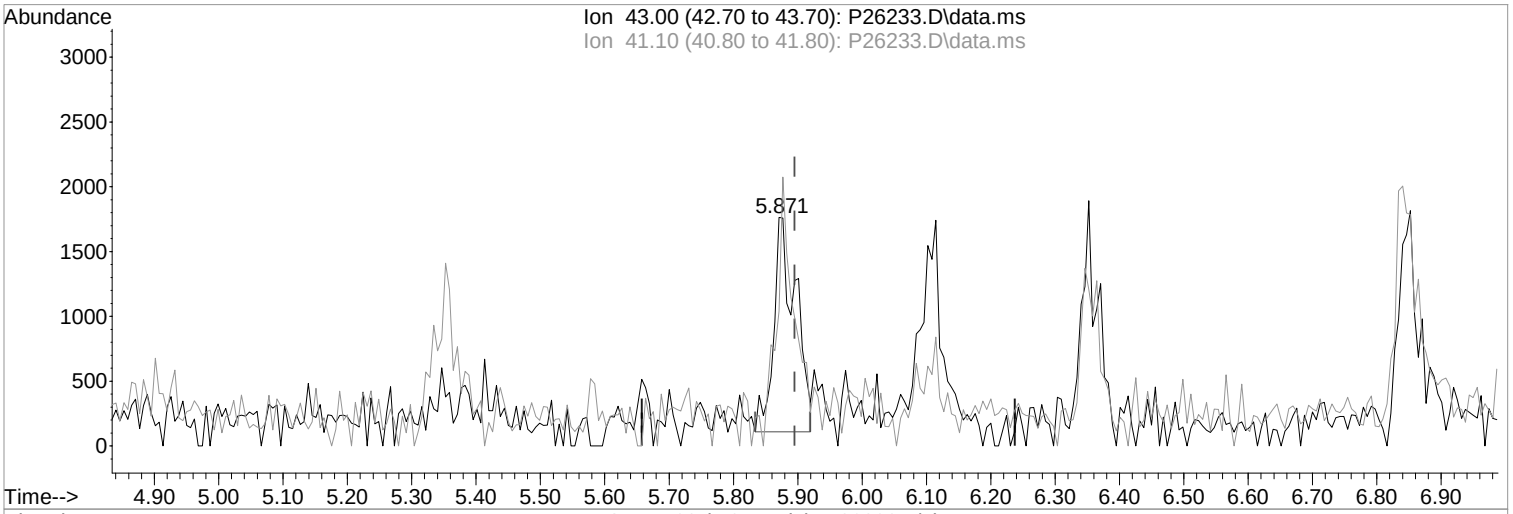
05/01/19

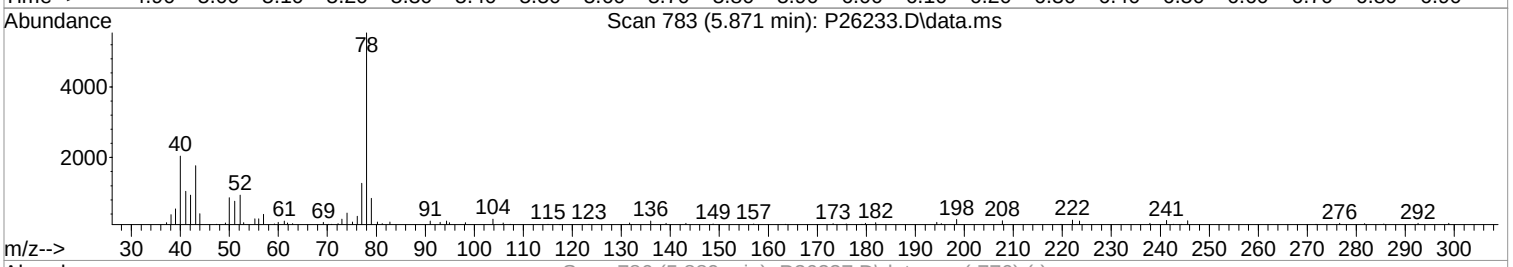
1st 05/01/19
2nd 05/02/19

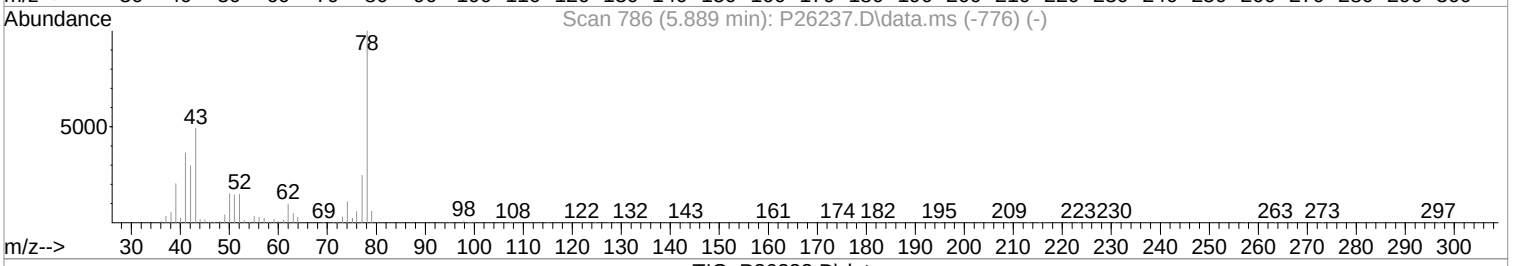
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26233.D
Acq On : 1 May 2019 1:08 pm
Operator : K.Ruest
Sample : 1.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 01 16:33:40 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26233.D\data.ms

(51) Iso-Butyl Alcohol

5.871min (-0.024) 14.16 ppb

response 3932

Ion	Exp%	Act%
43.00	100	100
41.10	74.30	59.01
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

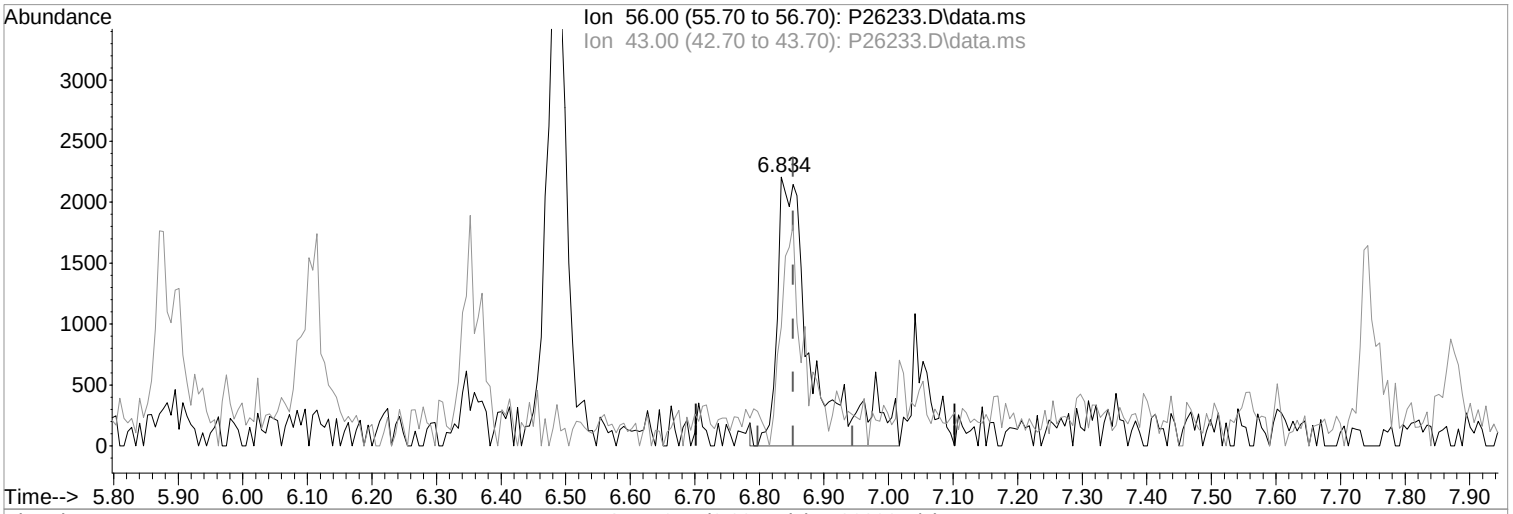
05/01/19

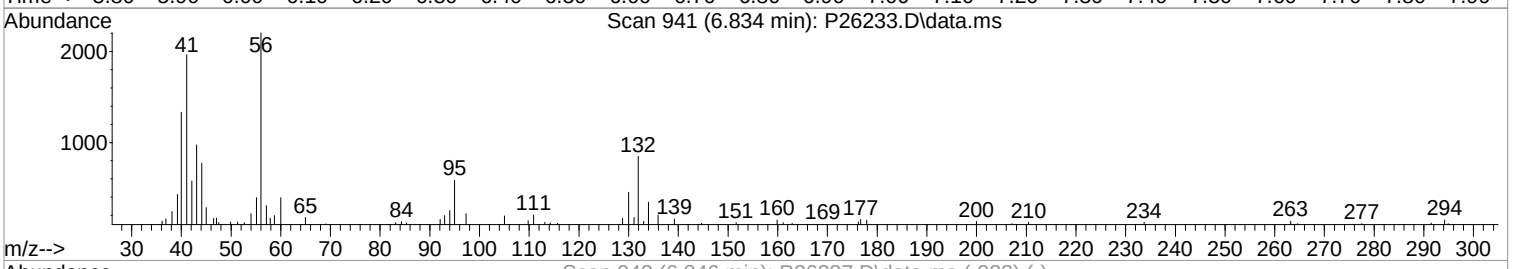
1st 05/01/19
2nd 05/02/19

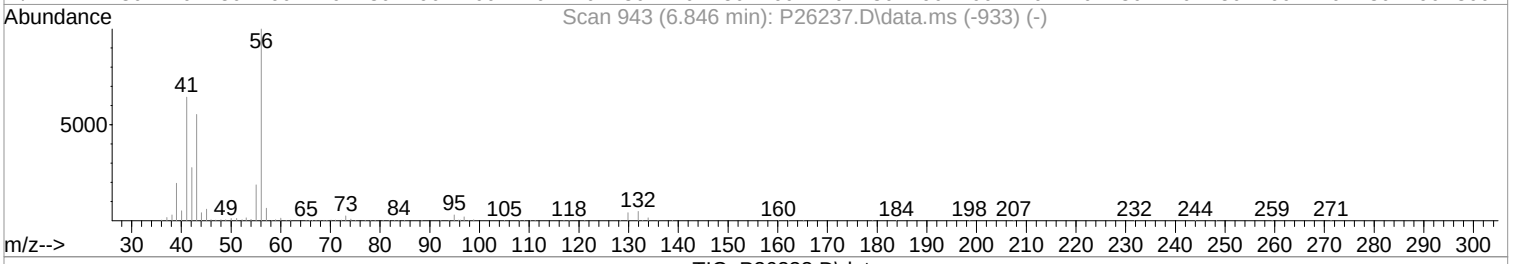
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26233.D
Acq On : 1 May 2019 1:08 pm
Operator : K.Ruest
Sample : 1.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 01 16:33:40 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26233.D\data.ms

(53) 1-Butanol

6.834min (-0.018) 44.20 ppb m

response 8370

Ion	Exp%	Act%
56.00	100	100
43.00	52.80	52.39
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

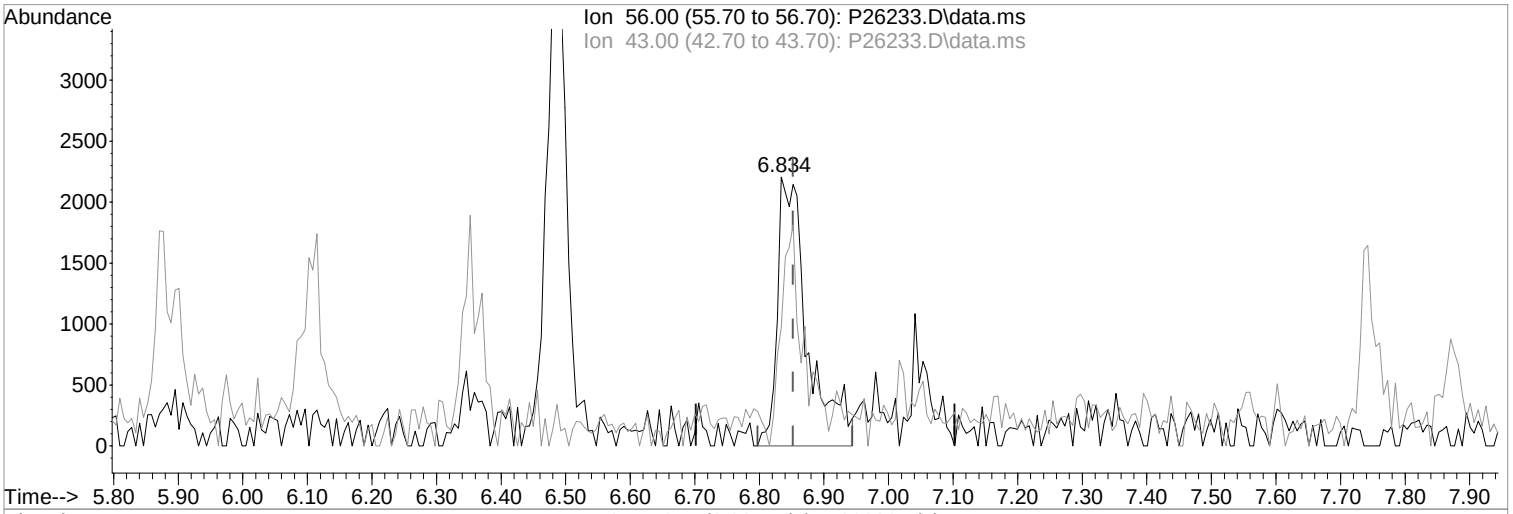
05/01/19

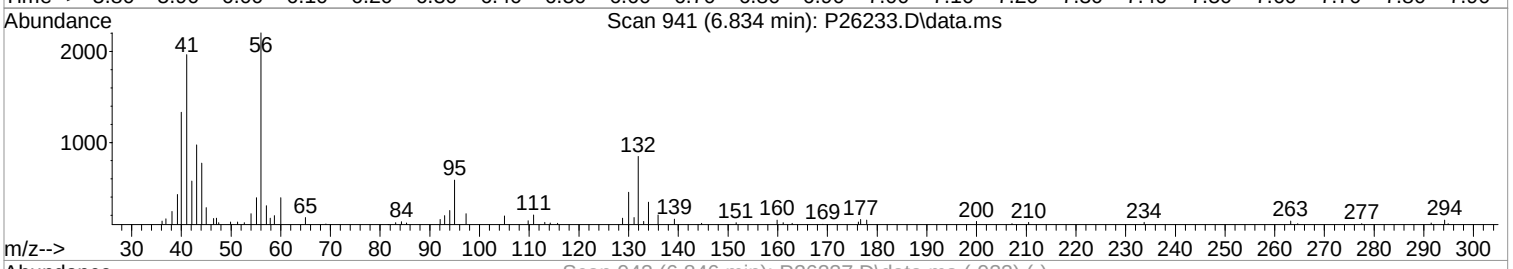
1st 05/01/19
2nd 05/02/19

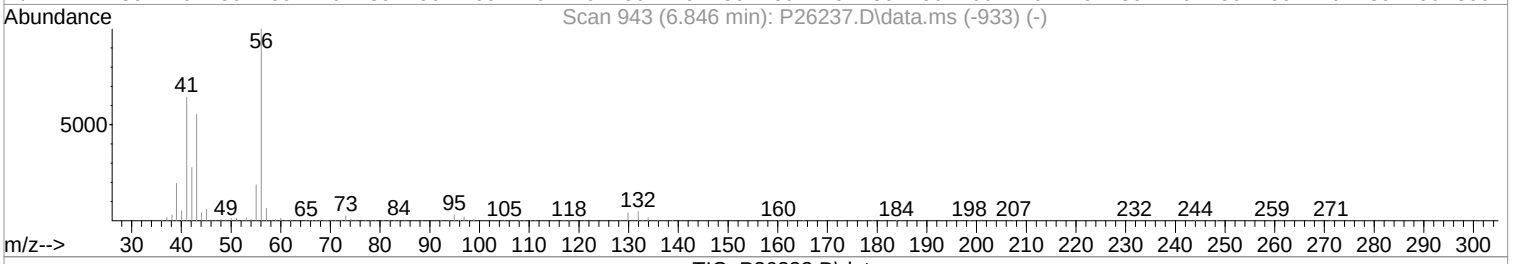
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26233.D
Acq On : 1 May 2019 1:08 pm
Operator : K.Ruest
Sample : 1.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 01 16:33:40 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26233.D\data.ms

(53) 1-Butanol

6.834min (-0.018) 37.66 ppb

response 7132

Ion	Exp%	Act%
56.00	100	100
43.00	52.80	61.48
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

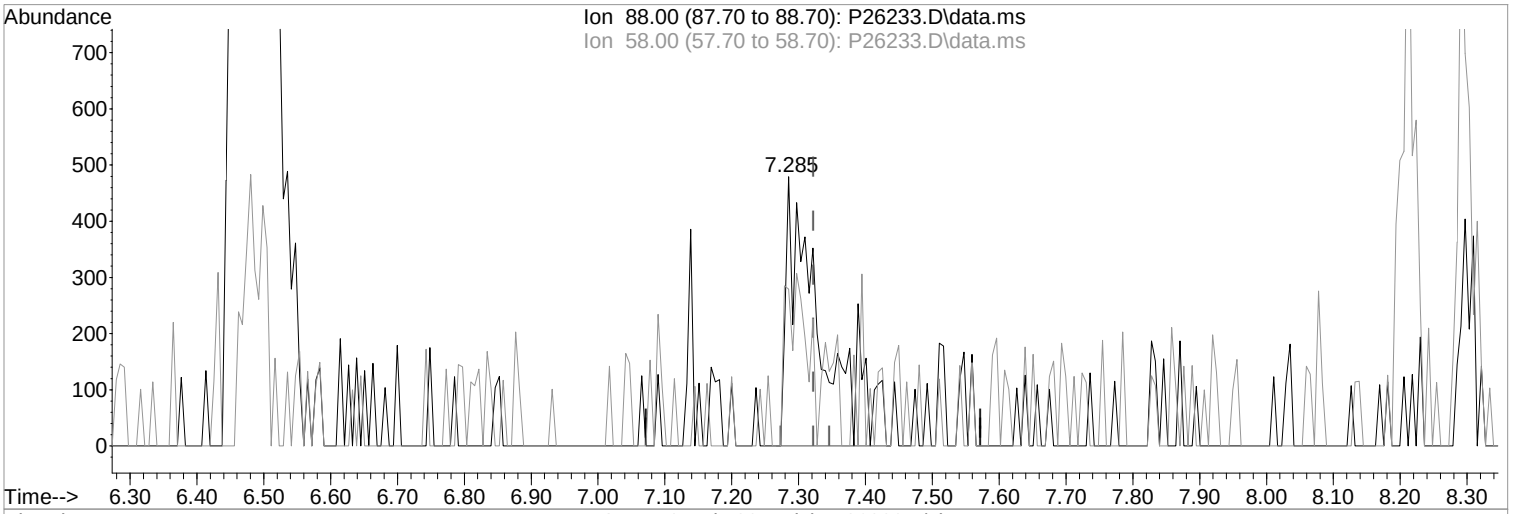
Before

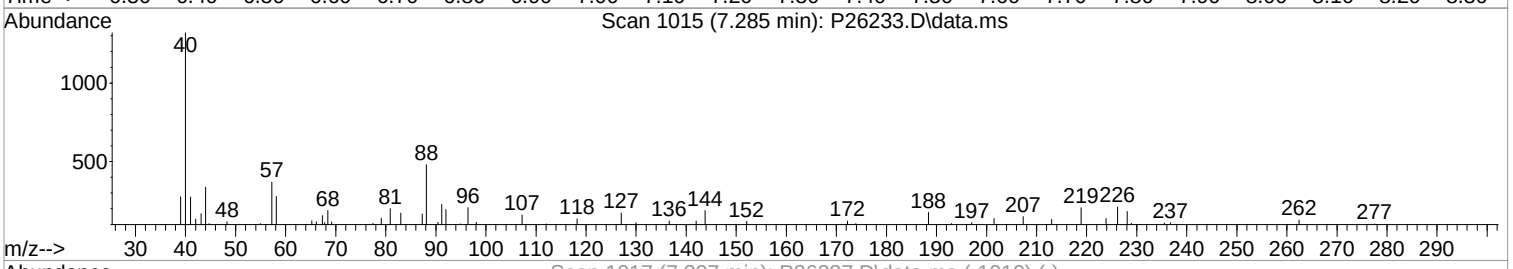
05/01/19

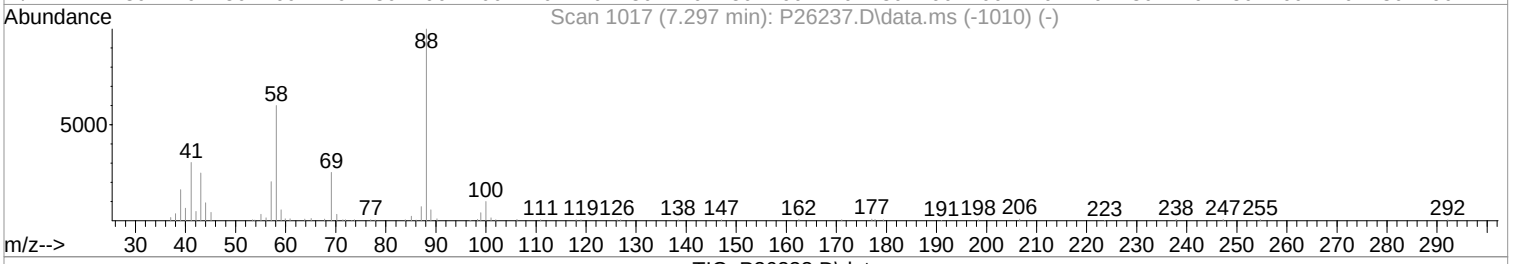
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26233.D
Acq On : 1 May 2019 1:08 pm
Operator : K.Ruest
Sample : 1.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 01 16:33:40 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26233.D\data.ms

(58) 1,4-Dioxane

7.285min (-0.037) 20.87 ppb m

response 1759

Ion	Exp%	Act%
88.00	100	100
58.00	60.00	58.25
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

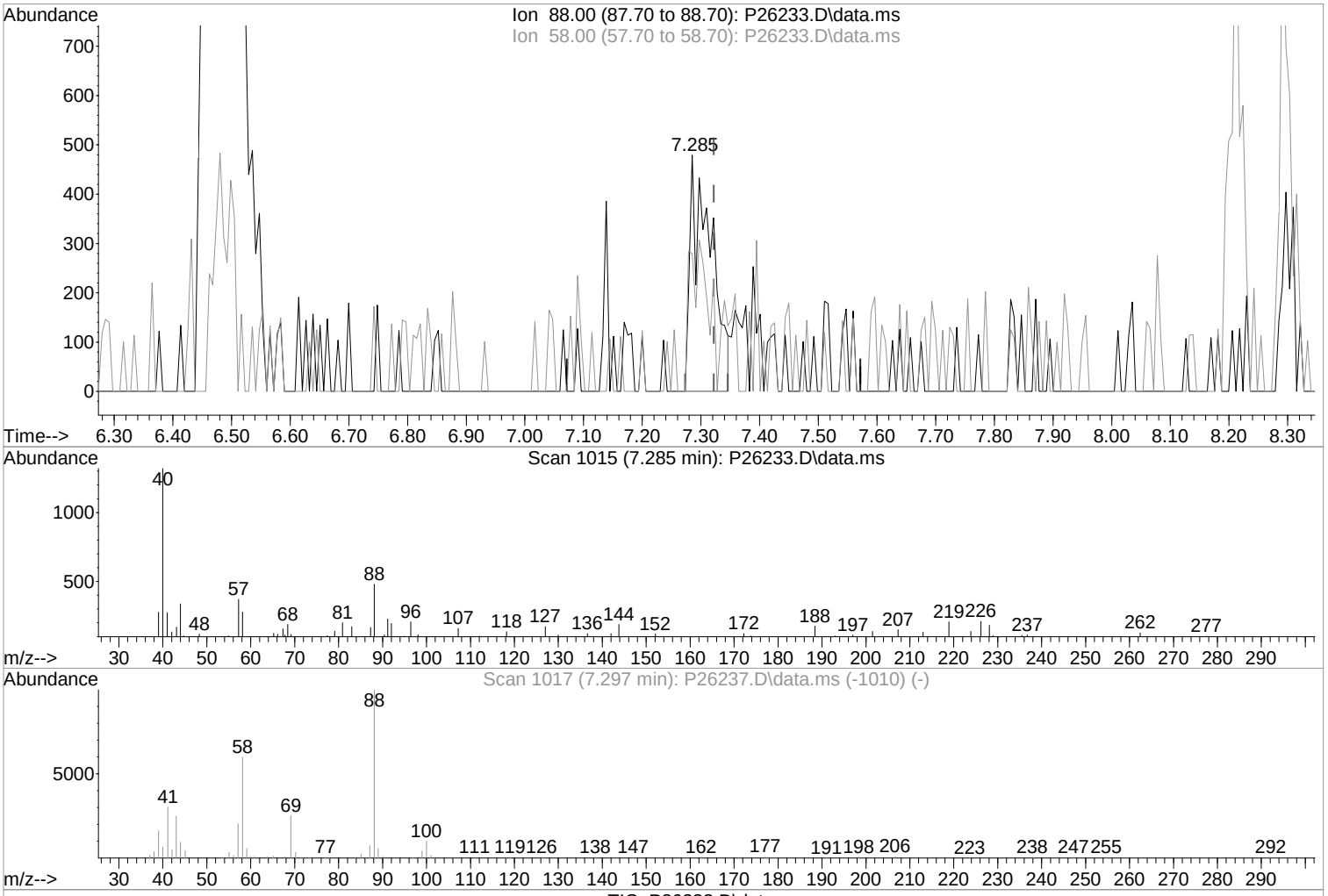
Poor integration.

05/01/19

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26233.D
Acq On : 1 May 2019 1:08 pm
Operator : K.Ruest
Sample : 1.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 01 16:33:40 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26233.D\data.ms

(58) 1,4-Dioxane

7.285min (-0.037) 14.05 ppb

response 1184

Ion	Exp%	Act%
88.00	100	100
58.00	60.00	58.25
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

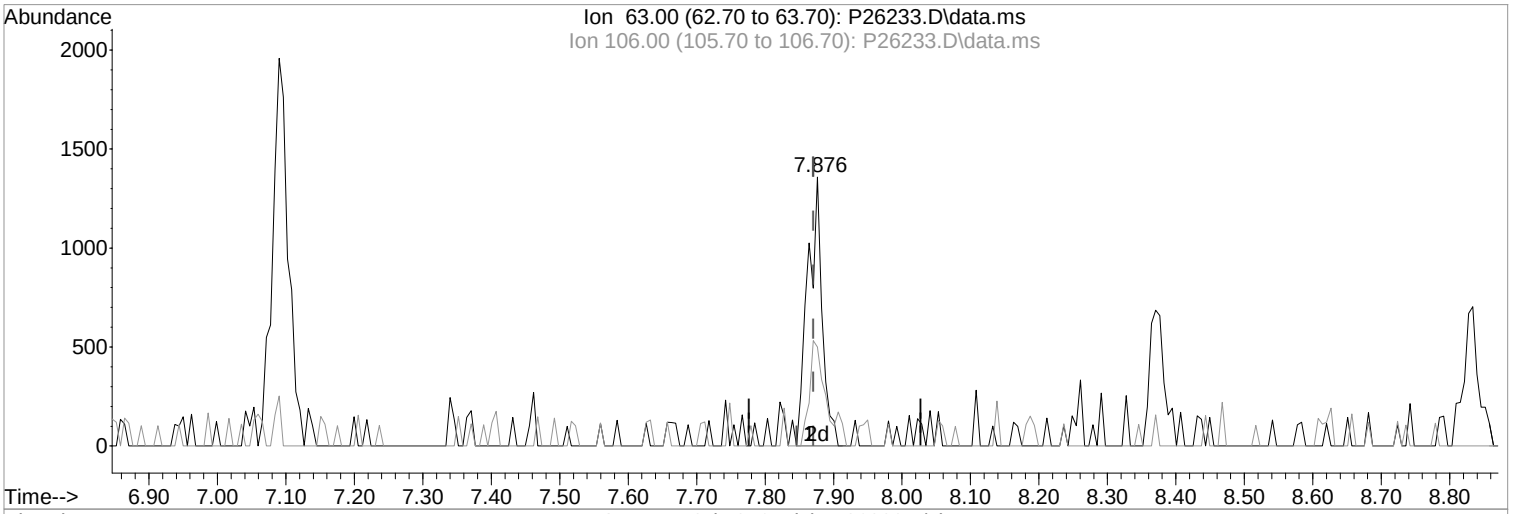
Before

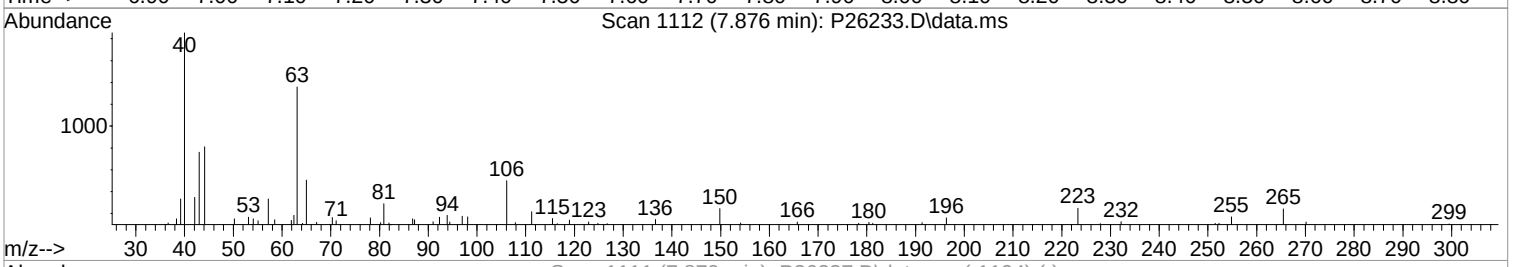
05/01/19

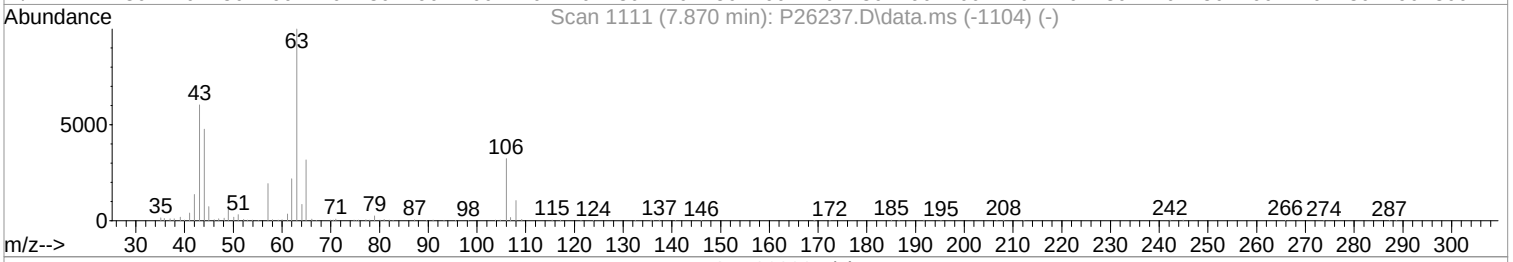
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26233.D
Acq On : 1 May 2019 1:08 pm
Operator : K.Ruest
Sample : 1.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 01 16:33:40 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26233.D\data.ms

(62) 2-Chloroethylvinyl Ether

7.876min (+0.006) 0.91 ppb m

response 1997

Ion	Exp%	Act%
63.00	100	100
106.00	32.20	36.79
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

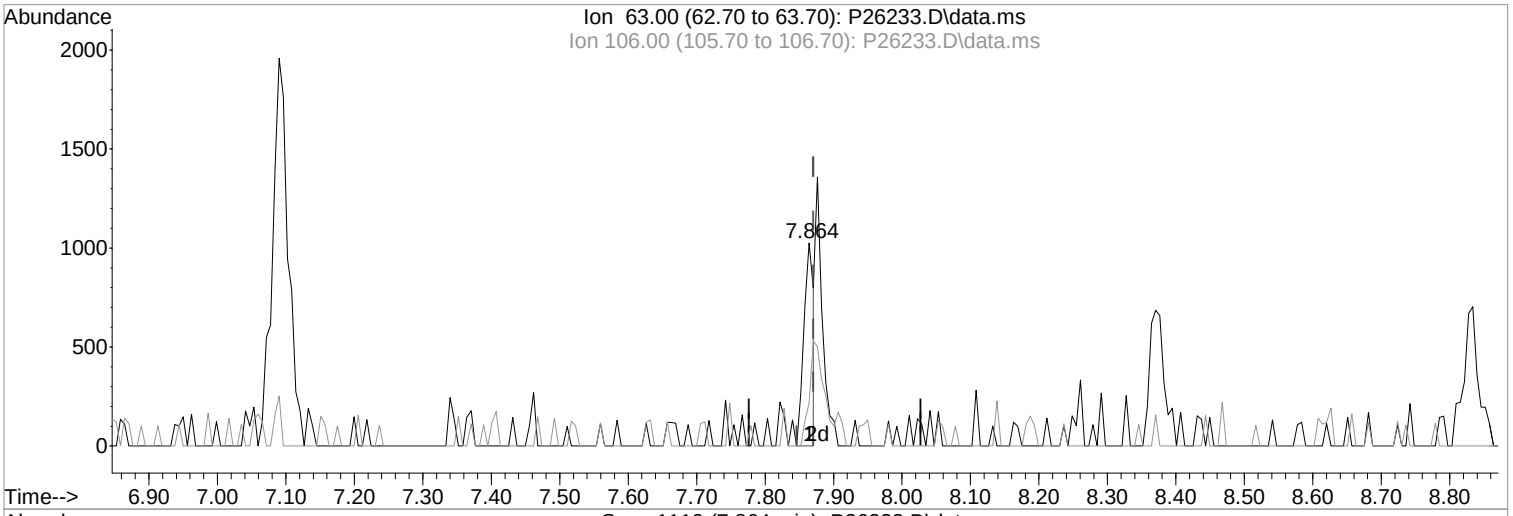
Split Peak

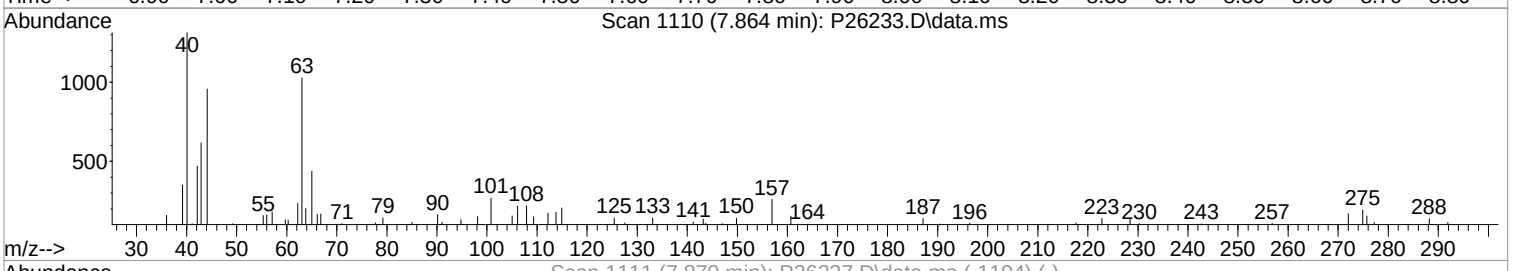
05/01/19

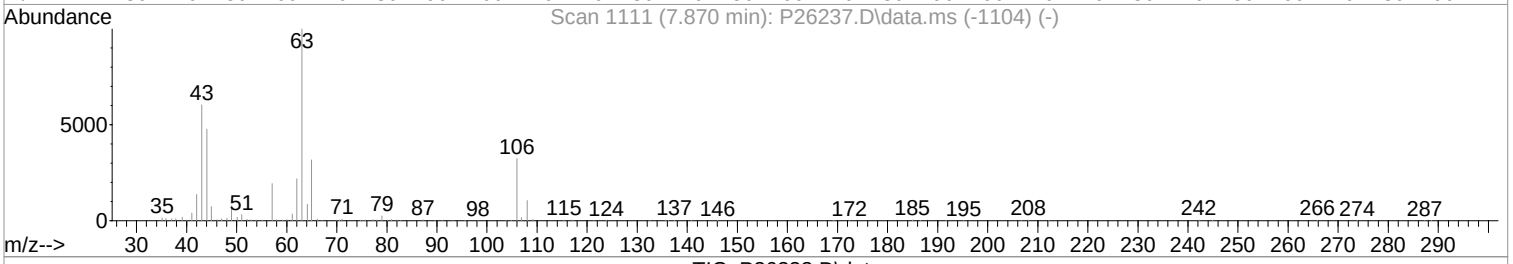
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26233.D
Acq On : 1 May 2019 1:08 pm
Operator : K.Ruest
Sample : 1.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 01 16:33:40 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26233.D\data.ms

(62) 2-Chloroethylvinyl Ether

7.864min (-0.006) 0.47 ppb

response 1024

Ion	Exp%	Act%
63.00	100	100
106.00	32.20	21.25
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

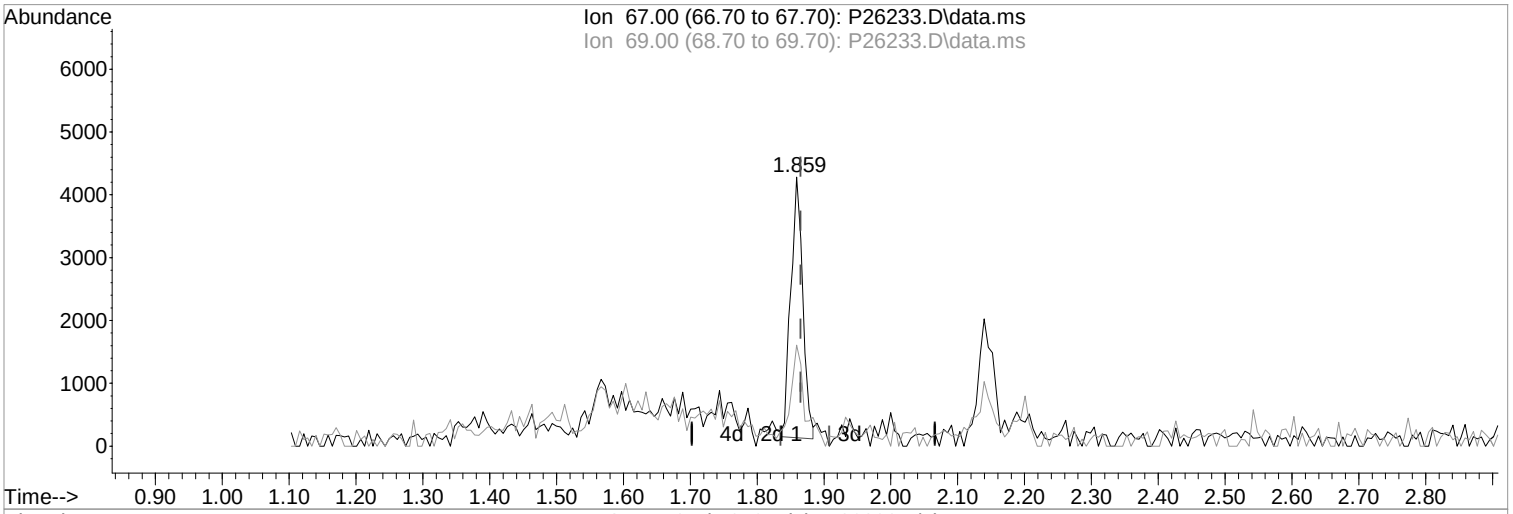
Before

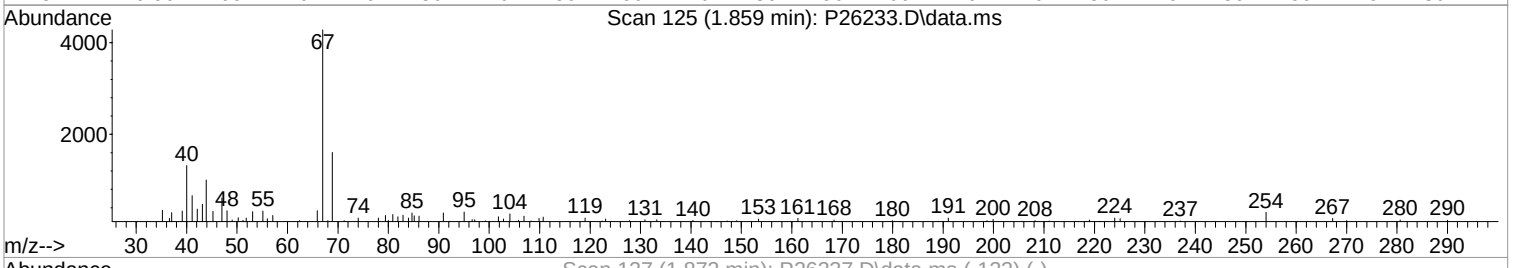
05/01/19

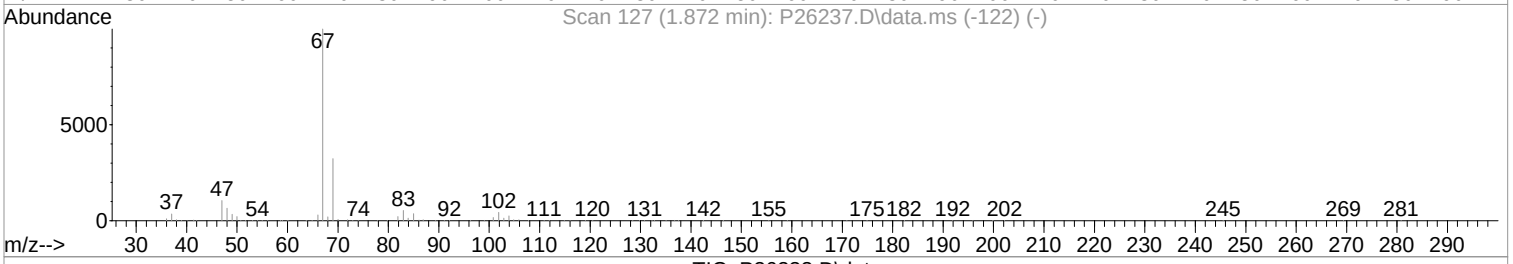
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26233.D
Acq On : 1 May 2019 1:08 pm
Operator : K.Ruest
Sample : 1.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 01 16:33:40 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26233.D\data.ms

(7) Freon 21

1.859min (-0.006) 0.97 ppb m

response 5190

Ion	Exp%	Act%
67.00	100	100
69.00	32.50	37.52
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

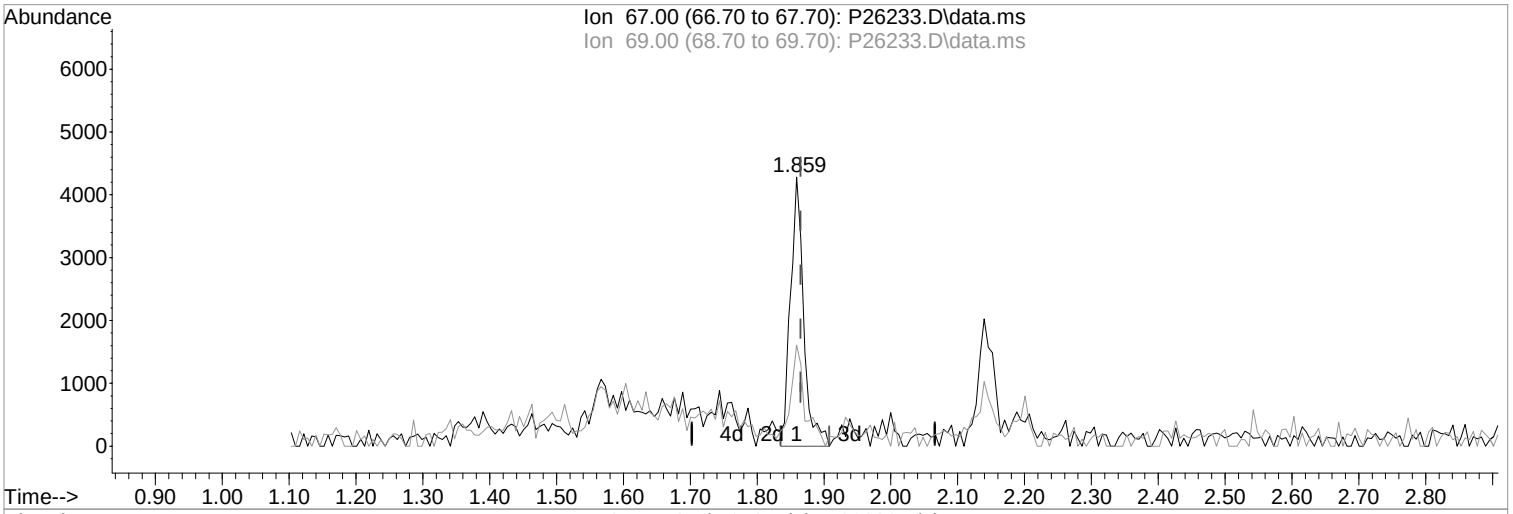
05/01/19

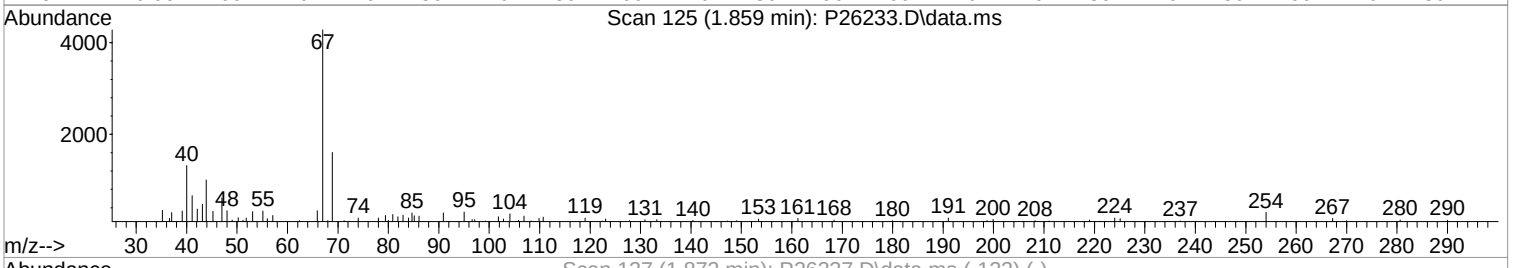
1st 05/01/19
2nd 05/02/19

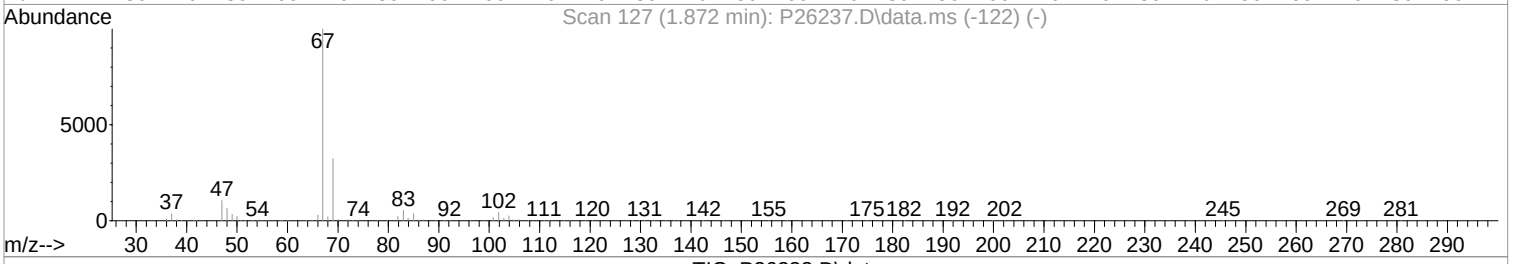
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26233.D
Acq On : 1 May 2019 1:08 pm
Operator : K.Ruest
Sample : 1.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 01 16:33:40 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26233.D\data.ms

(7) Freon 21

1.859min (-0.006) 1.10 ppb

response 5876

Ion	Exp%	Act%
67.00	100	100
69.00	32.50	37.52
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

05/01/19

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26233.D
Acq On : 1 May 2019 1:08 pm
Operator : K.Ruest
Sample : 1.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 01 16:53:41 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.395	168	351521	50.00	ppb		-0.01
43) 1,4-Difluorobenzene	6.486	114	498560	50.00	ppb		0.00
71) d5-Chlorobenzene	9.791	117	442620	50.00	ppb		0.00
86) 1,4-Dichlorobenzene-d4	11.839	152	229696	50.00	ppb		0.00
System Monitoring Compounds							
45) surr4,Dibrflmethane	5.255	113	30932	10.79	ppb		-0.01
Spiked Amount 50.000	Range 89 - 119		Recovery = 21.58%#				
48) surr1,1,2-dichloroetha...	5.791	65	36767	11.76	ppb		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 23.52%#				
65) SURR3,Toluene-d8	8.297	98	133615	11.23	ppb		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 22.46%#				
70) SURR2,BFB	10.864	95	50875	10.94	ppb		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 21.88%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.207	85	3410	1.03	ppb		93
3) Chloromethane	1.329	50	3403	1.13	ppb		76
4) Vinyl Chloride	1.408	62	3196	0.86	ppb		89
5) Bromomethane	1.640	94	4483	1.21	ppb		98
6) Chloroethane	1.713	64	2690	0.89	ppb		96
7) Freon 21	1.859	67	5190m	0.97	ppb		
8) Trichlorofluoromethane	1.908	101	4217	0.92	ppb		87
9) Diethyl Ether	2.146	59	3107	1.17	ppb		88
10) Freon 123a	2.140	67	3474	1.06	ppb		90
11) Freon 123	2.201	83	3763	0.99	ppb		83
12) Acrolein	2.237	56	3922m	6.20	ppb		
13) 1,1-Diclethene	2.323	96	3071	1.05	ppb	#	72
14) Freon 113	2.329	101	2689	1.04	ppb	#	50
15) Acetone	2.371	43	2743	1.94	ppb		91
16) 2-Propanol	2.506	45	6859m	18.82	ppb		
17) Iodomethane	2.451	142	1403	0.43	ppb	#	58
18) Carbon Disulfide	2.518	76	6383	0.91	ppb		87
19) Acetonitrile	2.627	40	1904	11.60	ppb	#	17
20) Allyl Chloride	2.652	76	1765m	1.15	ppb		
21) Methyl Acetate	2.688	43	2436	0.80	ppb		83
22) Methylene Chloride	2.774	84	3922	1.20	ppb		95
23) TBA	2.896	59	13100	19.52	ppb		77
24) Acrylonitrile	3.036	53	8063	5.26	ppb		86
25) Methyl-t-Butyl Ether	3.079	73	11021	1.04	ppb		90
26) trans-1,2-Dichloroethene	3.072	96	3669	1.14	ppb	#	74
28) 1,1-Diclethane	3.566	63	5579	1.06	ppb		92
29) Vinyl Acetate	3.676	86	288m	0.44	ppb		
30) DIPE	3.688	45	8536	1.04	ppb		83
31) 2-Chloro-1,3-Butadiene	3.688	53	3887	0.99	ppb		99
32) ETBE	4.219	59	9225	1.02	ppb		90
33) 2,2-Dichloropropane	4.389	77	4736m	0.99	ppb		
34) cis-1,2-Dichloroethene	4.408	96	4217m	1.11	ppb		
36) Propionitrile	4.536	54	3398m	4.90	ppb		
37) Bromochloromethane	4.798	130	2398m	0.94	ppb		
38) Methacrylonitrile	4.822	67	1425	0.75	ppb	#	73
40) Chloroform	4.981	83	5556	1.00	ppb	#	74
41) 1,1,1-Trichloroethane	5.261	97	5360	1.03	ppb		78
42) TAME	6.102	73	9631	1.01	ppb		88
44) Cyclohexane	5.353	41	2453m	0.91	ppb		

1st 05/01/19
2nd 05/02/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26233.D
Acq On : 1 May 2019 1:08 pm
Operator : K.Ruest
Sample : 1.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 01 16:53:41 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) Carbontetrachloride	5.523	117	4031m	0.93	ppb		
47) 1,1-Dichloropropene	5.548	75	3861	0.96	ppb		91
49) Benzene	5.865	78	13316	1.03	ppb		95
50) 1,2-Dichloroethane	5.907	62	4629	1.01	ppb		81
51) Iso-Butyl Alcohol	5.871	43	5327m	19.19	ppb		
52) n-Heptane	6.352	43	3460	1.01	ppb		88
53) 1-Butanol	6.834	56	8370m	44.20	ppb		
54) Trichloroethene	6.803	130	4051	1.01	ppb	#	67
55) Methylcyclohexane	7.041	55	4170	1.11	ppb		88
56) 1,2-Diclpropane	7.090	63	3141	1.01	ppb		85
57) Dibromomethane	7.236	93	2057	0.94	ppb	#	80
58) 1,4-Dioxane	7.285	88	1759m	20.87	ppb		
59) Methyl Methacrylate	7.322	69	2880	0.94	ppb	#	73
60) Bromodichloromethane	7.462	83	4230	0.98	ppb		93
61) 2-Nitropropane	7.742	41	1819	1.63	ppb		86
62) 2-Chloroethylvinyl Ether	7.876	63	1997m	0.91	ppb		
63) cis-1,3-Dichloropropene	8.004	75	5478	0.99	ppb		84
64) 4-Methyl-2-pentanone	8.212	43	3476	0.89	ppb		84
66) Toluene	8.376	91	13433	0.92	ppb		94
67) trans-1,3-Dichloropropene	8.645	75	4340	0.88	ppb		90
68) Ethyl Methacrylate	8.785	69	5385	1.01	ppb		89
69) 1,1,2-Trichloroethane	8.827	97	3754	1.07	ppb		88
72) Tetrachloroethene	8.962	164	2769	0.87	ppb	#	83
73) 2-Hexanone	9.120	43	2177	0.73	ppb		99
74) 1,3-Dichloropropane	9.004	76	4706	0.88	ppb		89
75) Dibromochloromethane	9.224	129	3716	0.96	ppb		92
76) N-Butyl Acetate	9.279	43	5922	1.04	ppb		88
77) 1,2-Dibromoethane	9.321	107	3694	1.03	ppb	#	75
78) Chlorobenzene	9.815	112	9837	1.01	ppb		89
79) 3-CBTF	9.833	180	5154	0.92	ppb	#	91
80) 4-CBTF	9.888	180	4584	0.90	ppb		88
81) 1,1,1,2-Tetrachloroethane	9.907	131	3692	0.98	ppb	#	78
82) Ethylbenzene	9.937	106	4885	0.93	ppb	#	87
83) (m+p)Xylene	10.053	106	12731	1.95	ppb		90
84) o-Xylene	10.406	106	6419	0.97	ppb	#	83
85) Styrene	10.419	104	8523	0.83	ppb		86
87) Bromoform	10.571	173	2476	0.93	ppb		90
88) 2-CBTF	10.650	180	5613	1.11	ppb	#	90
89) Isopropylbenzene	10.742	105	15958	1.10	ppb		98
90) Cyclohexanone	10.803	55	15150	21.02	ppb		86
91) trans-1,4-Dichloro-2-B...	11.047	53	1332	1.12	ppb	#	72
92) 1,1,2,2-Tetrachloroethane	10.998	83	5199	1.19	ppb		84
93) Bromobenzene	10.986	156	4539	1.04	ppb	#	81
94) 1,2,3-Trichloropropane	11.022	110	1946	1.19	ppb	#	75
95) n-Propylbenzene	11.095	91	16727	1.07	ppb		93
96) 2-Chlorotoluene	11.162	91	9316	0.96	ppb		85
97) 3-Chlorotoluene	11.211	91	9500	1.03	ppb		95
98) 4-Chlorotoluene	11.254	91	11143	1.00	ppb		79
99) 1,3,5-Trimethylbenzene	11.248	105	12723	1.05	ppb		94
100) tert-Butylbenzene	11.522	119	10875	0.98	ppb		97
101) 1,2,4-Trimethylbenzene	11.559	105	12960	1.07	ppb		88
102) 3,4-DCBTF	11.620	214	4588	1.06	ppb	#	85
103) sec-Butylbenzene	11.705	105	16150	1.04	ppb		87
104) p-Isopropyltoluene	11.827	119	13102	0.97	ppb		81
105) 1,3-Dclbenz	11.784	146	7854	1.01	ppb		95
106) 1,4-Dclbenz	11.857	146	8407	1.06	ppb		91

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26233.D
Acq On : 1 May 2019 1:08 pm
Operator : K.Ruest
Sample : 1.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 01 16:53:41 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
107) 2,4-DCBTF	11.918	214	3810	0.98	ppb		93
108) 2,5-DCBTF	11.955	214	4152	0.96	ppb		88
109) n-Butylbenzene	12.162	91	11067	0.99	ppb		96
110) 1,2-Dclbenz	12.156	146	8124	1.05	ppb		95
111) 1,2-Dibromo-3-chloropr...	12.784	157	1513	0.98	ppb	#	50
112) Trielution Dichlorotol...	12.894	125	20256	3.11	ppb	#	91
113) 1,3,5 Trichlorobenzene	12.955	180	6340	1.03	ppb	#	89
114) Coelution Dichlorotoluene	13.229	125	14548	2.00	ppb		98
115) 1,2,4-Tcbenzene	13.442	180	5821	0.90	ppb		97
116) Hexachlorobt	13.577	225	2953	1.06	ppb		88
117) Naphthalen	13.631	128	19207	1.03	ppb		98
118) 1,2,3-Tclbenzene	13.814	180	6985	1.02	ppb		87
119) 2,4,5-Trichlorotolene	14.406	159	3660m	0.88	ppb		
120) 2,3,6-Trichlorotoluene	14.491	159	4567	0.94	ppb		95

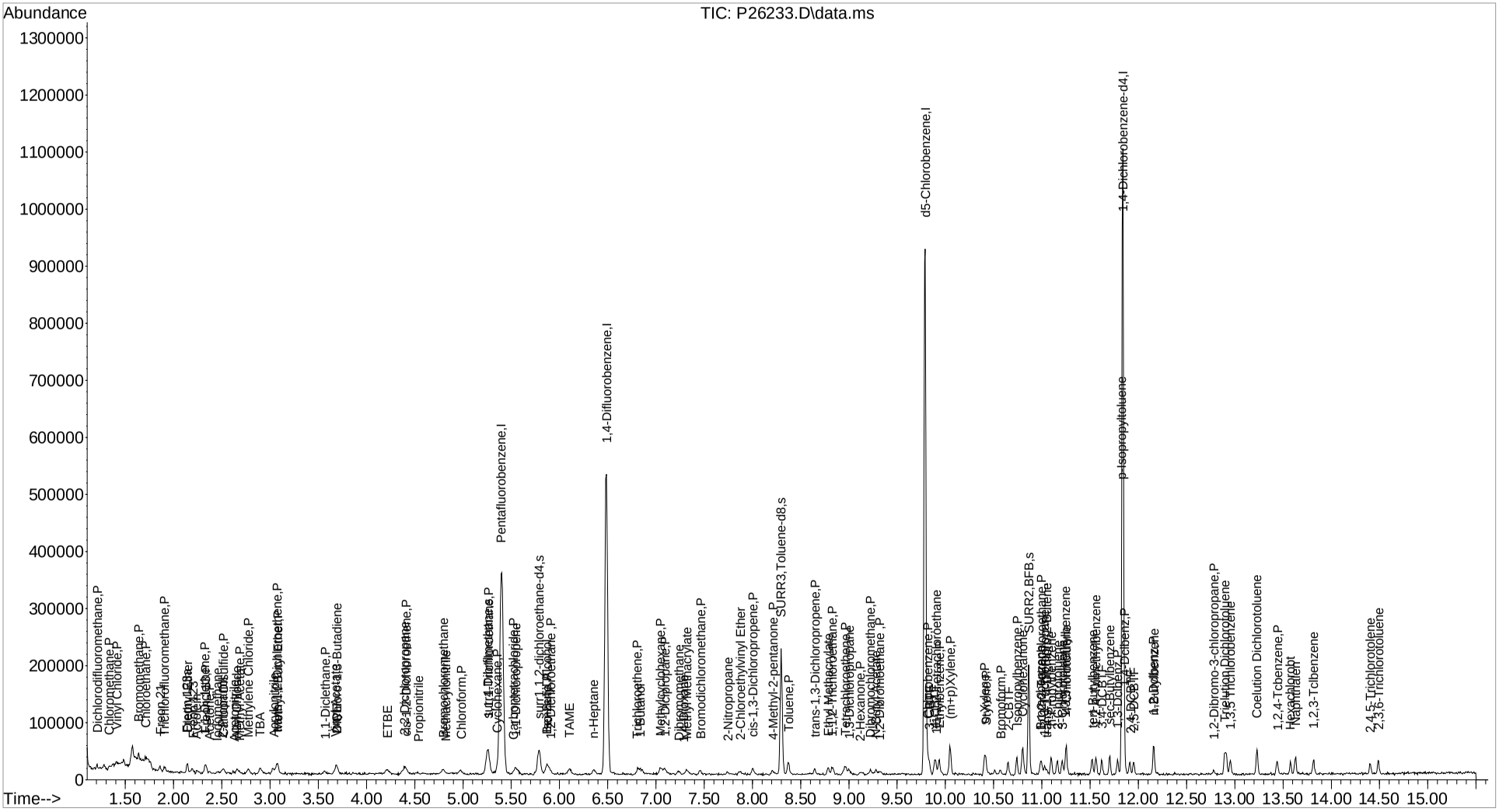
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26233.D
Acq On : 1 May 2019 1:08 pm
Operator : K.Ruest
Sample : 1.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 01 16:53:41 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration

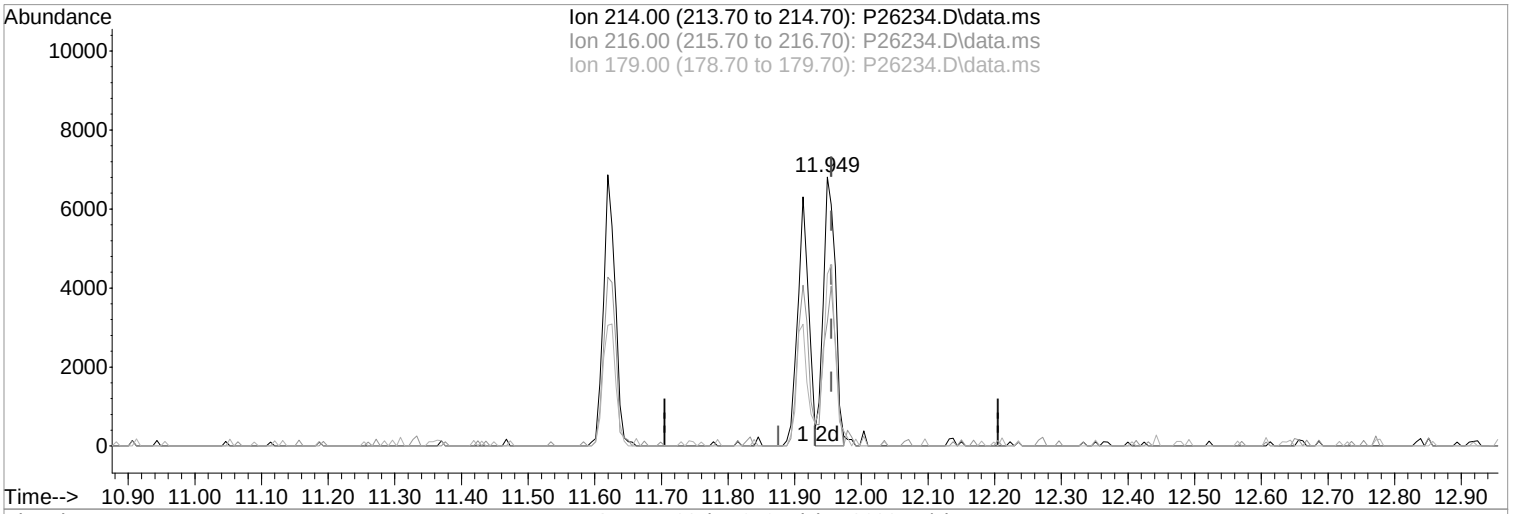
1st 05/01/19
2nd 05/02/19

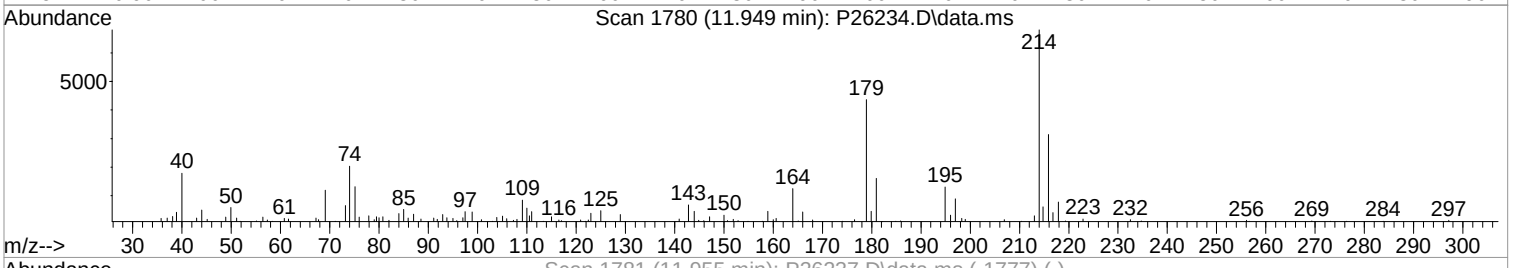


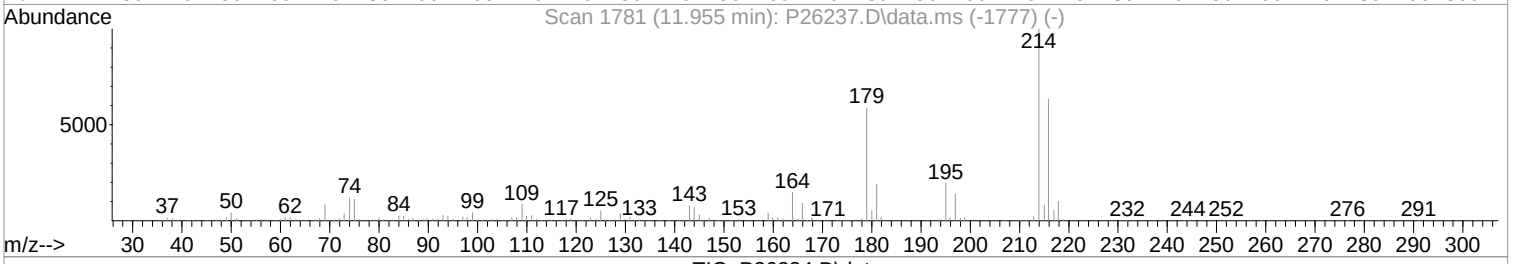
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26234.D
Acq On : 1 May 2019 1:30 pm
Operator : K.Ruest
Sample : 2.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 01 16:33:43 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26234.D\data.ms

(108) 2,5-DCBTF

11.949min (-0.006) 1.91 ppb m

response 8578

Ion	Exp%	Act%
214.00	100	100
216.00	63.50	46.19#
179.00	57.30	63.99
0.00	0.00	0.00

Manual Integration:

After

Wrong peak selected.

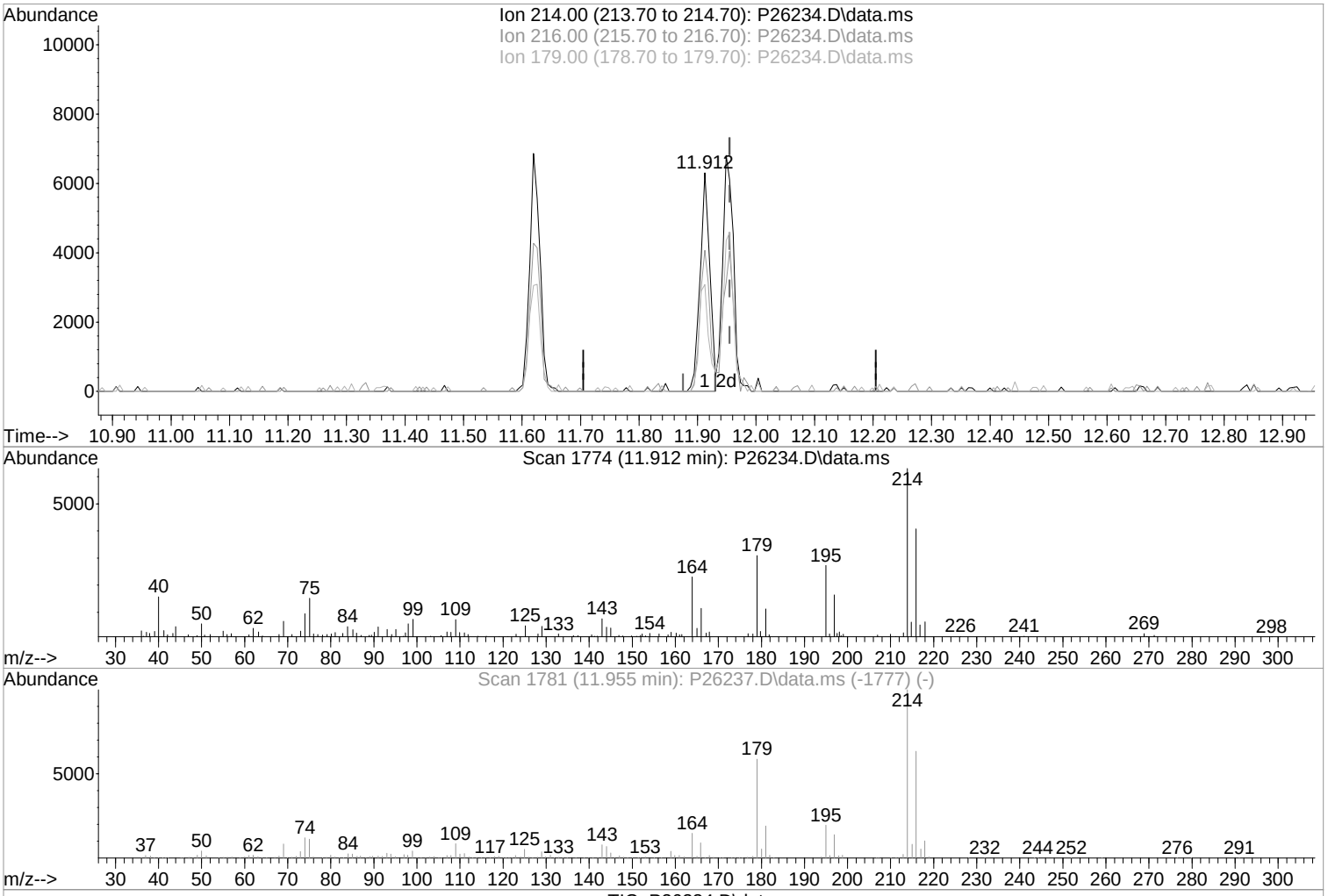
05/01/19

1st 05/01/19
2nd 05/02/19

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26234.D
Acq On : 1 May 2019 1:30 pm
Operator : K.Ruest
Sample : 2.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 01 16:33:43 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26234.D\data.ms

(108) 2,5-DCBTF

11.912min (-0.043) 1.65 ppb

response 7385

Ion	Exp%	Act%
214.00	100	100
216.00	63.50	64.60
179.00	57.30	48.93
0.00	0.00	0.00

Manual Integration:

Before

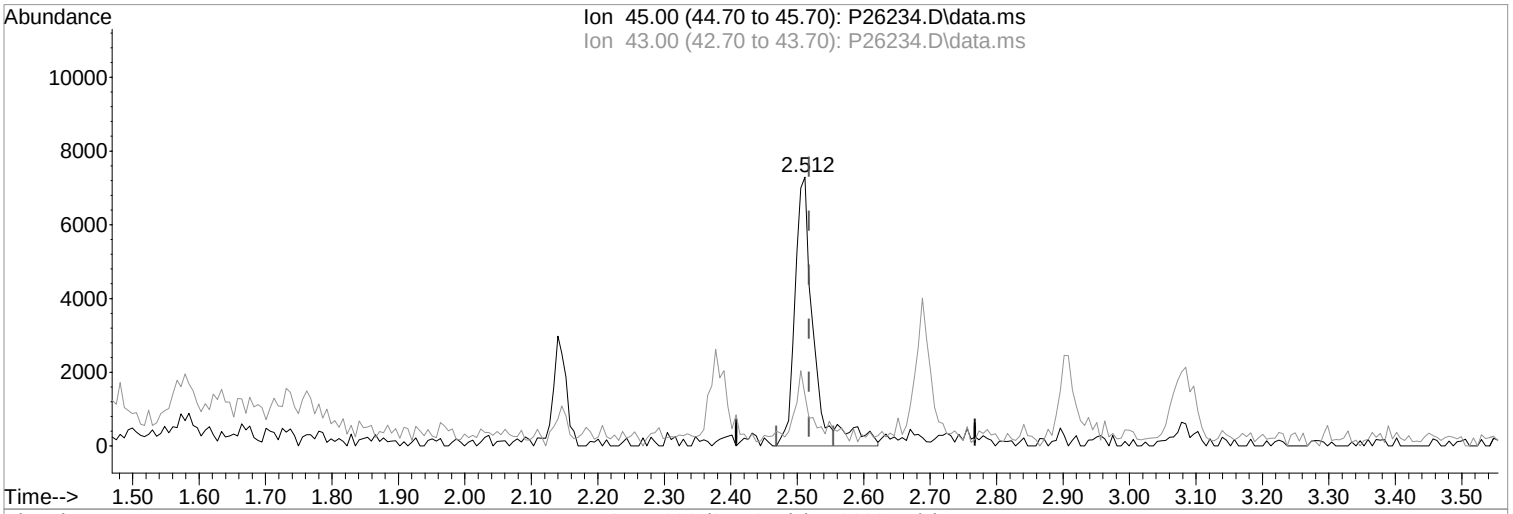
05/01/19

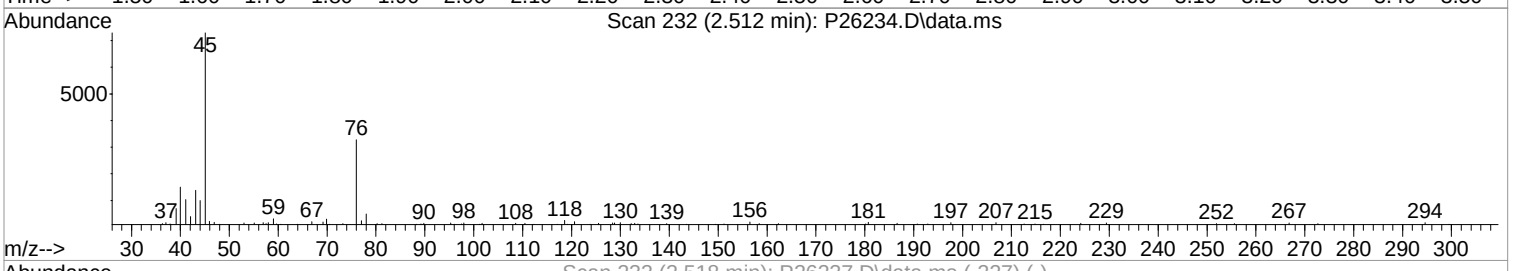
1st 05/01/19
2nd 05/02/19

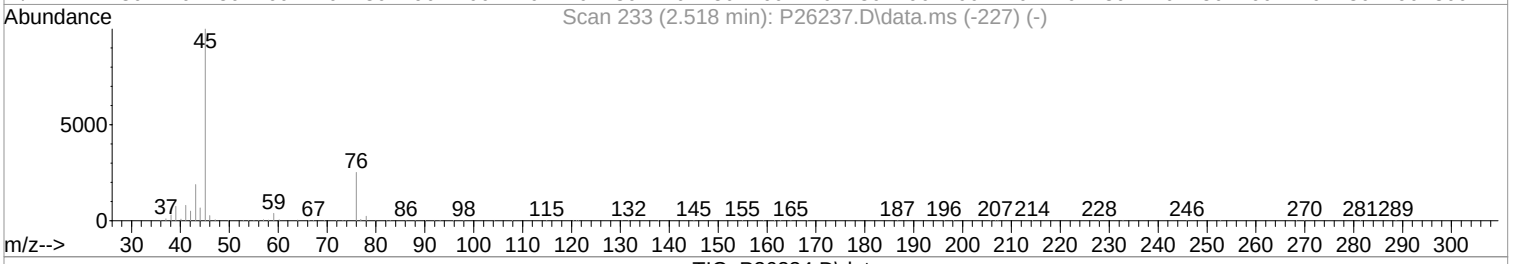
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26234.D
Acq On : 1 May 2019 1:30 pm
Operator : K.Ruest
Sample : 2.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 01 16:33:43 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26234.D\data.ms

(16) 2-Propanol

2.512min (-0.006) 41.25 ppb m

response 14531

Ion	Exp%	Act%
45.00	100	100
43.00	19.10	18.93
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

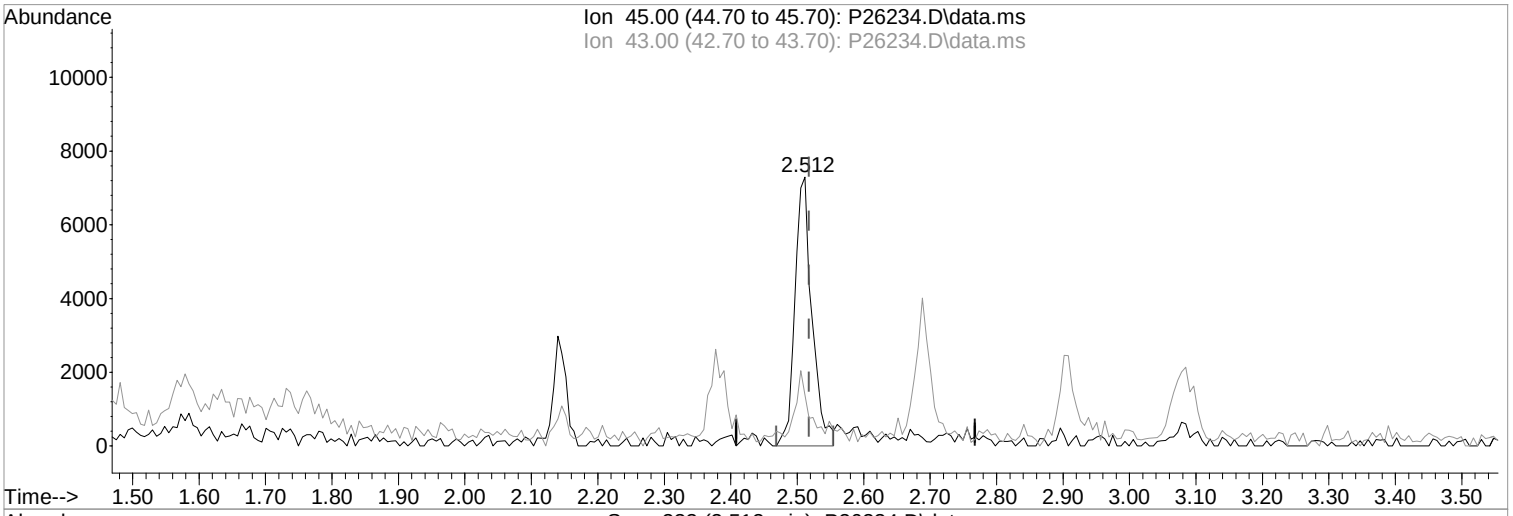
05/01/19

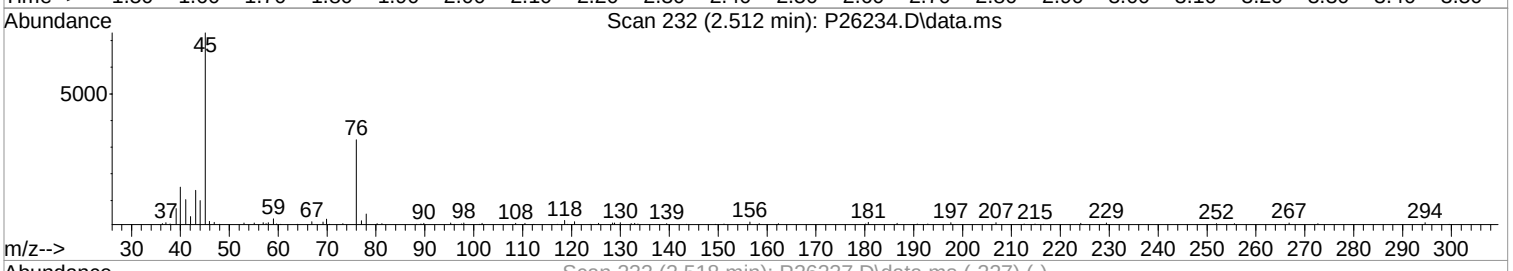
1st 05/01/19
2nd 05/02/19

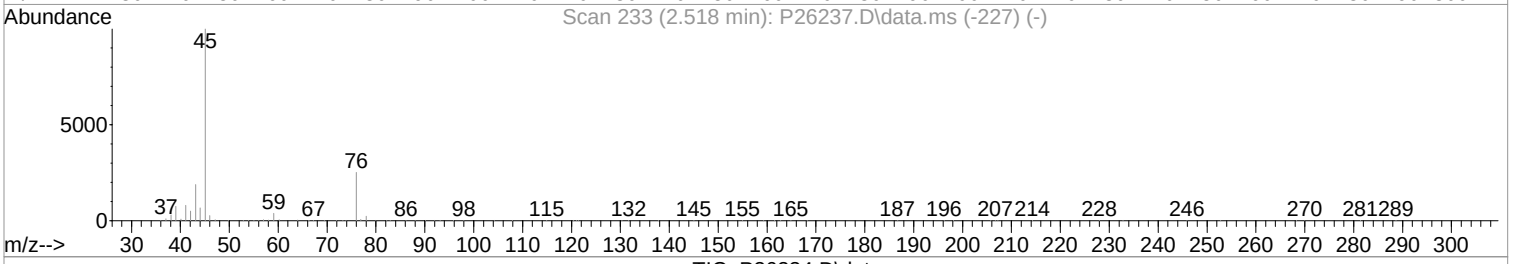
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26234.D
Acq On : 1 May 2019 1:30 pm
Operator : K.Ruest
Sample : 2.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 01 16:33:43 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26234.D\data.ms

(16) 2-Propanol

2.512min (-0.006) 36.99 ppb

response 13032

Ion	Exp%	Act%
45.00	100	100
43.00	19.10	18.93
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

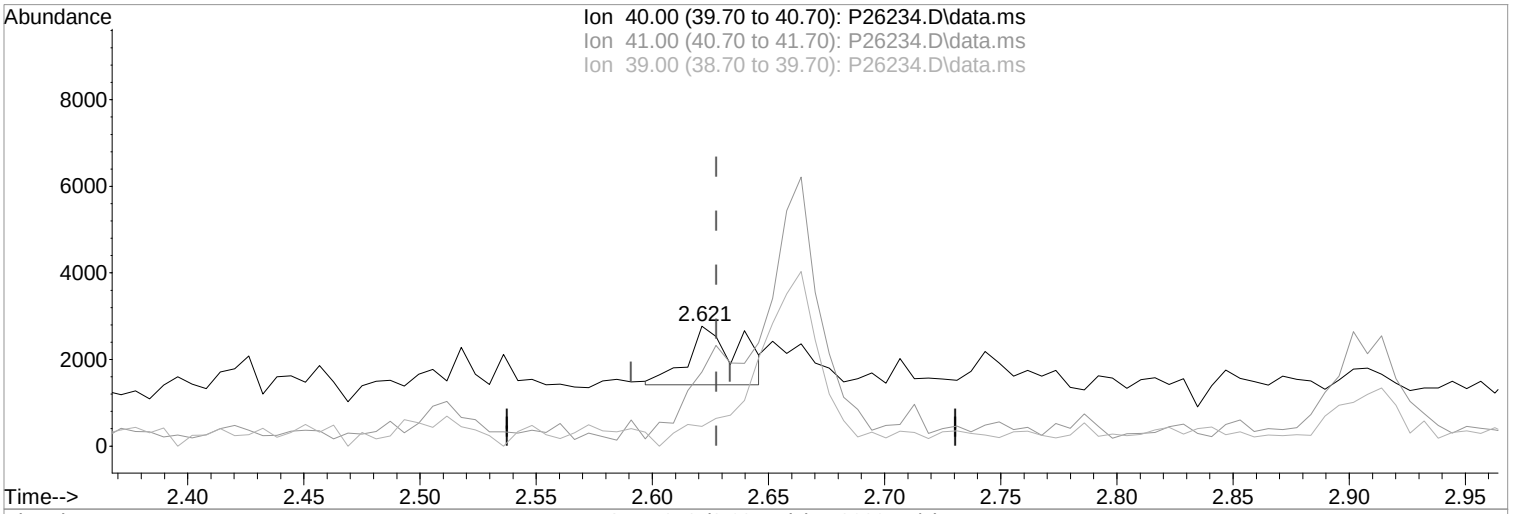
05/01/19

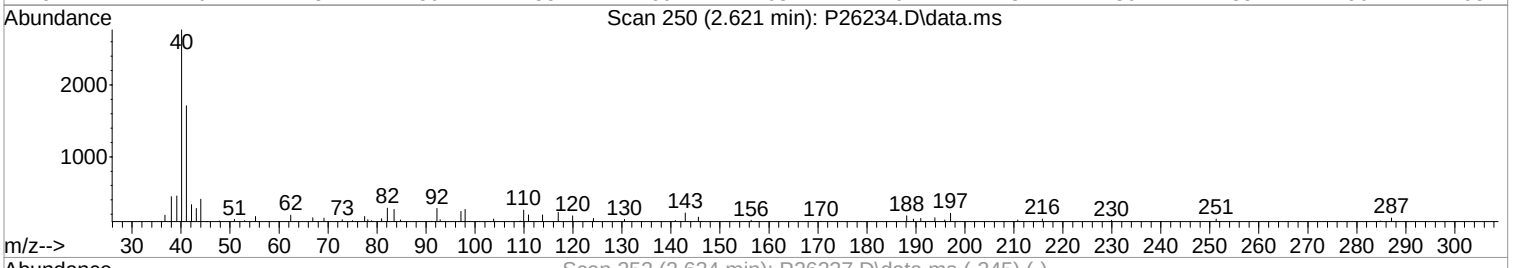
1st 05/01/19
2nd 05/02/19

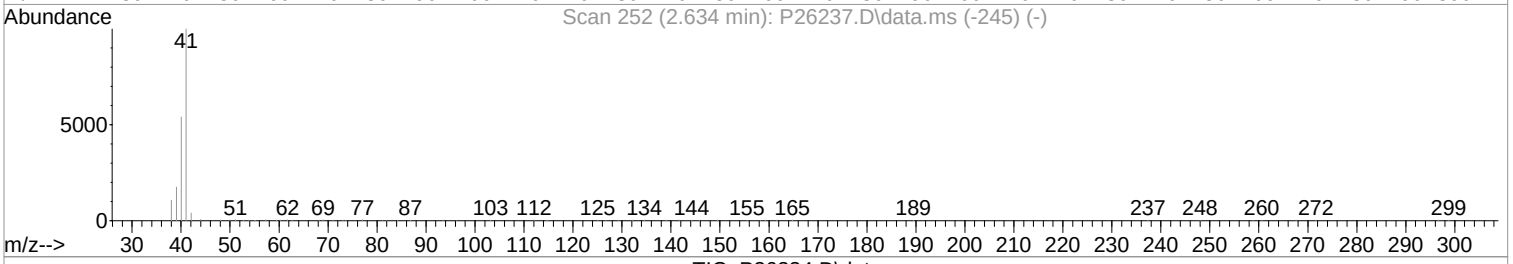
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26234.D
Acq On : 1 May 2019 1:30 pm
Operator : K.Ruest
Sample : 2.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 01 16:33:43 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26234.D\data.ms

(19) Acetonitrile

2.621min (-0.006) 13.57 ppb m

response 2154

Ion	Exp%	Act%
40.00	100	100
41.00	180.70	61.83#
39.00	33.90	16.43
0.00	0.00	0.00

Manual Integration:

After

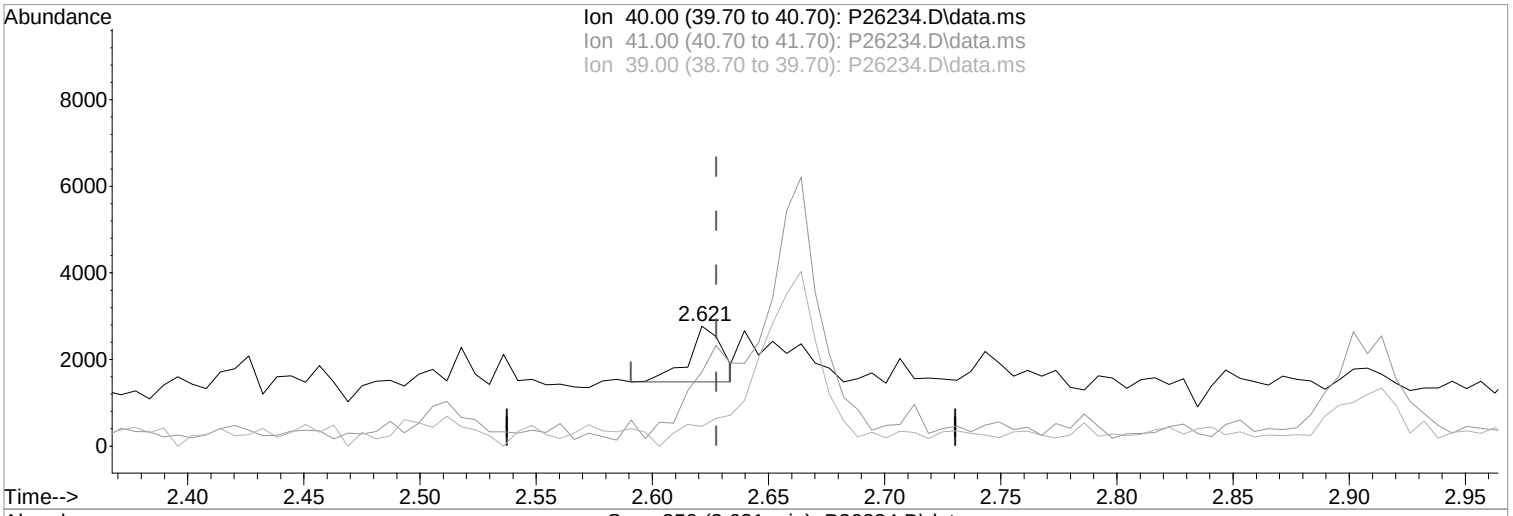
Poor integration.

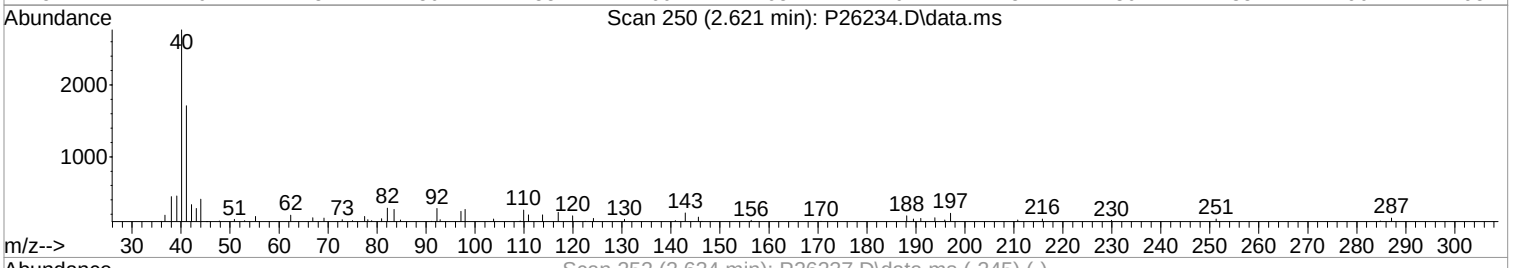
05/01/19

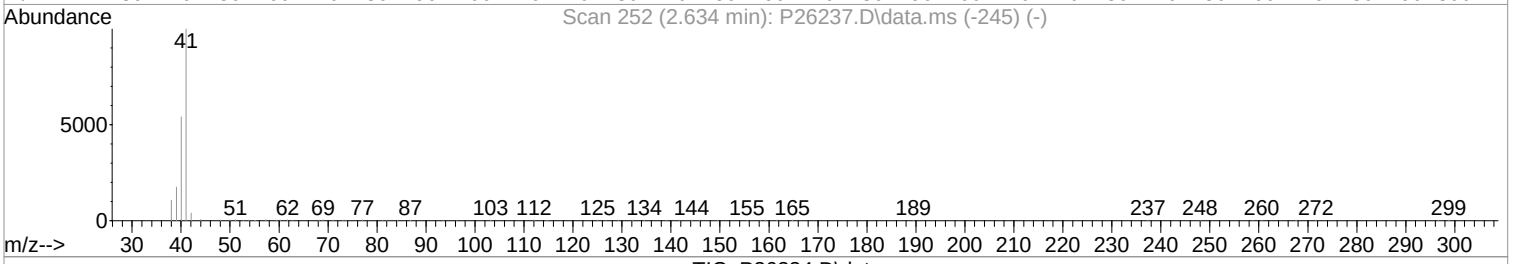
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26234.D
Acq On : 1 May 2019 1:30 pm
Operator : K.Ruest
Sample : 2.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 01 16:33:43 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26234.D\data.ms

(19) Acetonitrile

2.621min (-0.006) 8.29 ppb

response 1316

Ion	Exp%	Act%
40.00	100	100
41.00	180.70	61.83#
39.00	33.90	16.43
0.00	0.00	0.00

Manual Integration:

Before

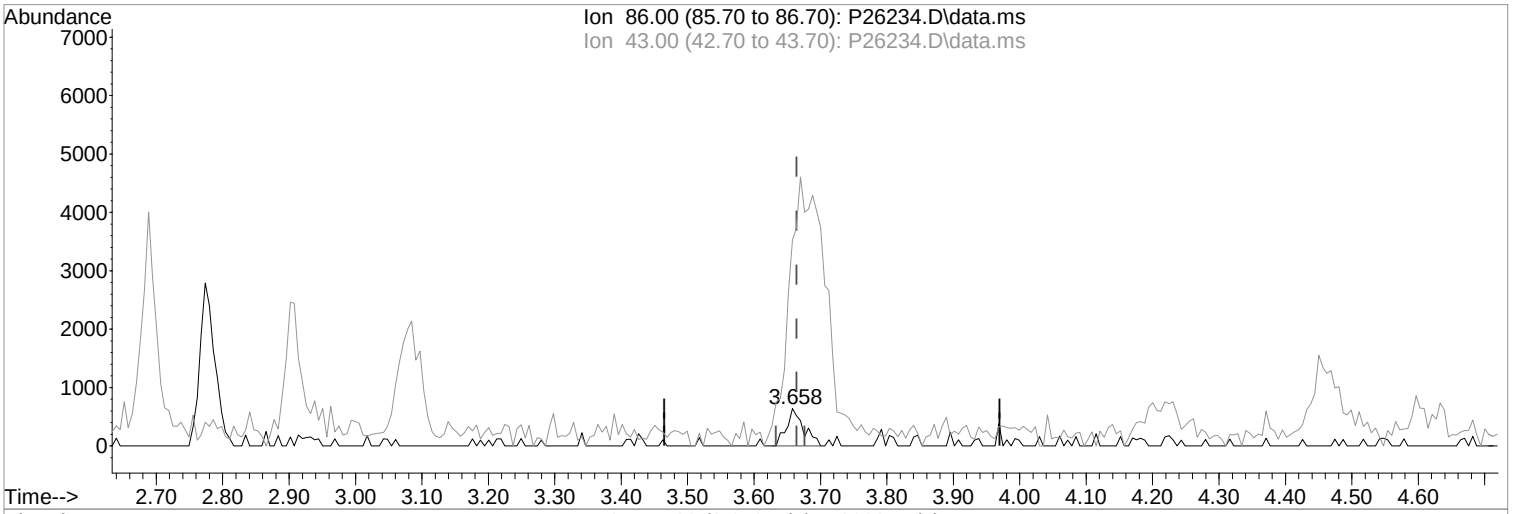
05/01/19

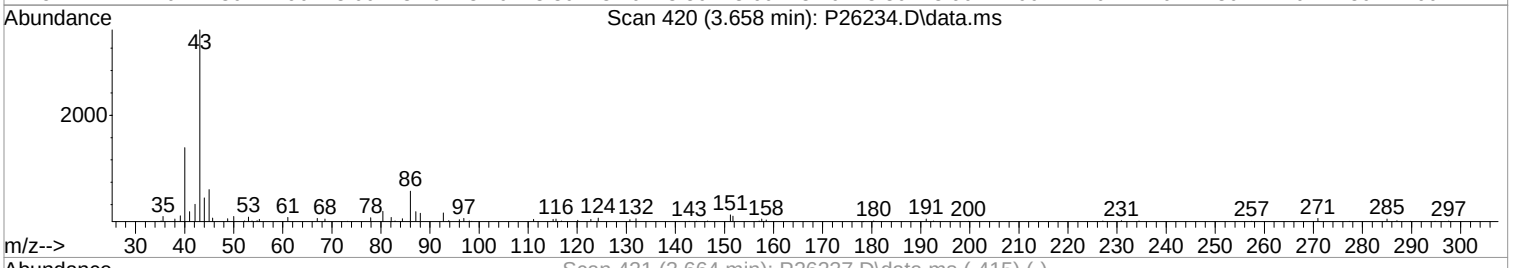
1st 05/01/19
2nd 05/02/19

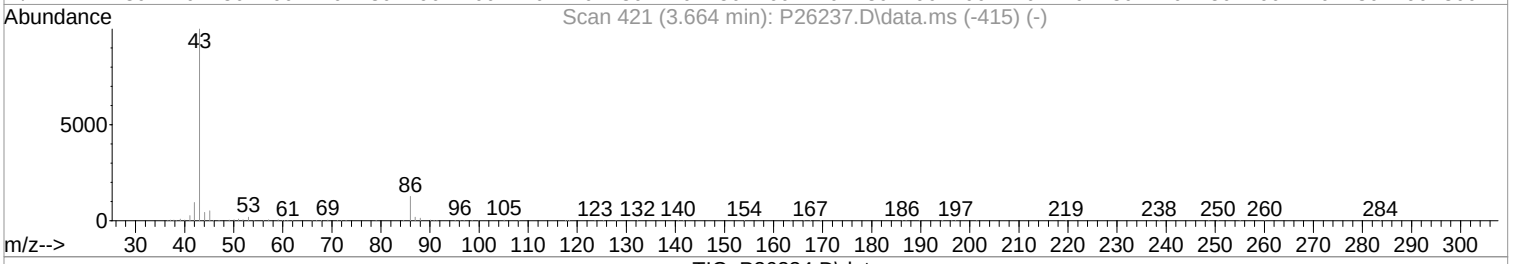
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26234.D
Acq On : 1 May 2019 1:30 pm
Operator : K.Ruest
Sample : 2.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 01 16:33:43 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26234.D\data.ms

(29) Vinyl Acetate

3.658min (-0.006) 1.83 ppb m

response 1155

Ion	Exp%	Act%
86.00	100	100
43.00	802.20	549.69#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

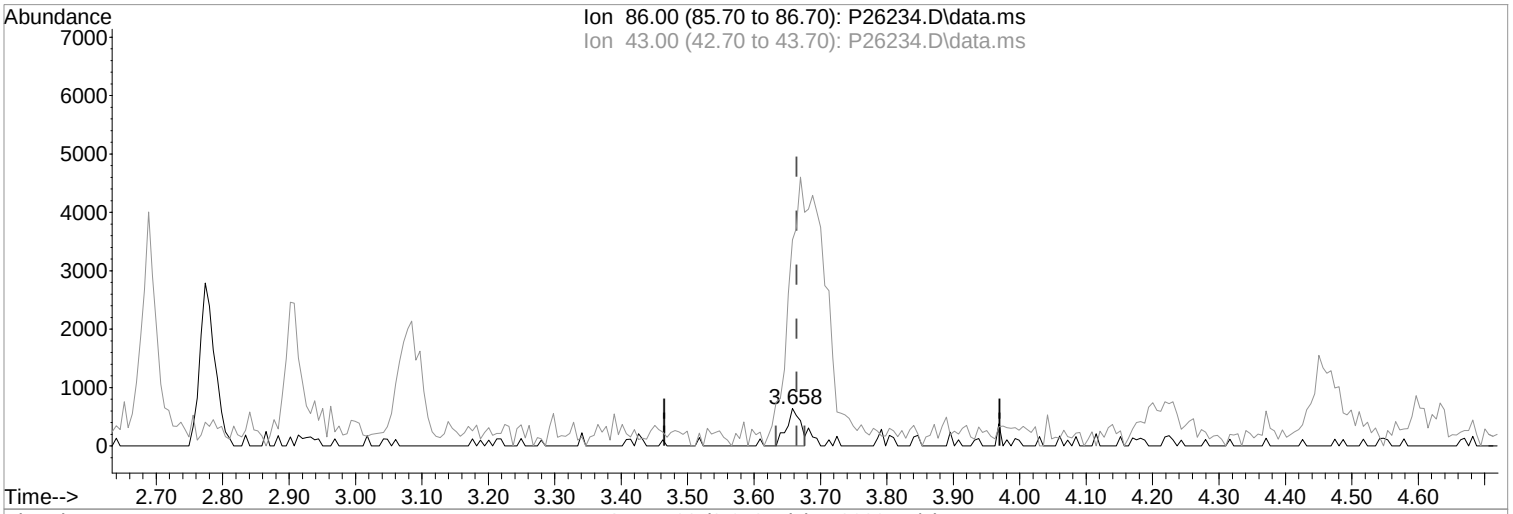
05/01/19

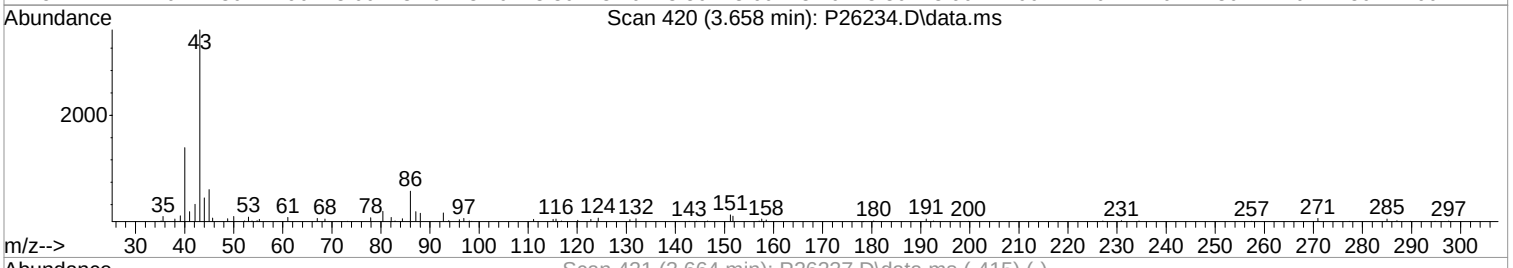
1st 05/01/19
2nd 05/02/19

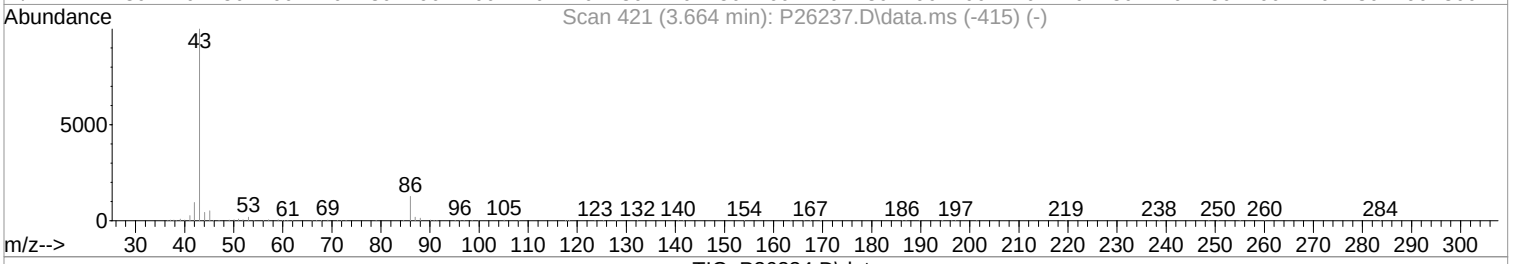
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26234.D
Acq On : 1 May 2019 1:30 pm
Operator : K.Ruest
Sample : 2.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 01 16:33:43 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26234.D\data.ms

(29) Vinyl Acetate

3.658min (-0.006) 1.48 ppb

response 938

Ion	Exp%	Act%
86.00	100	100
43.00	802.20	549.69#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

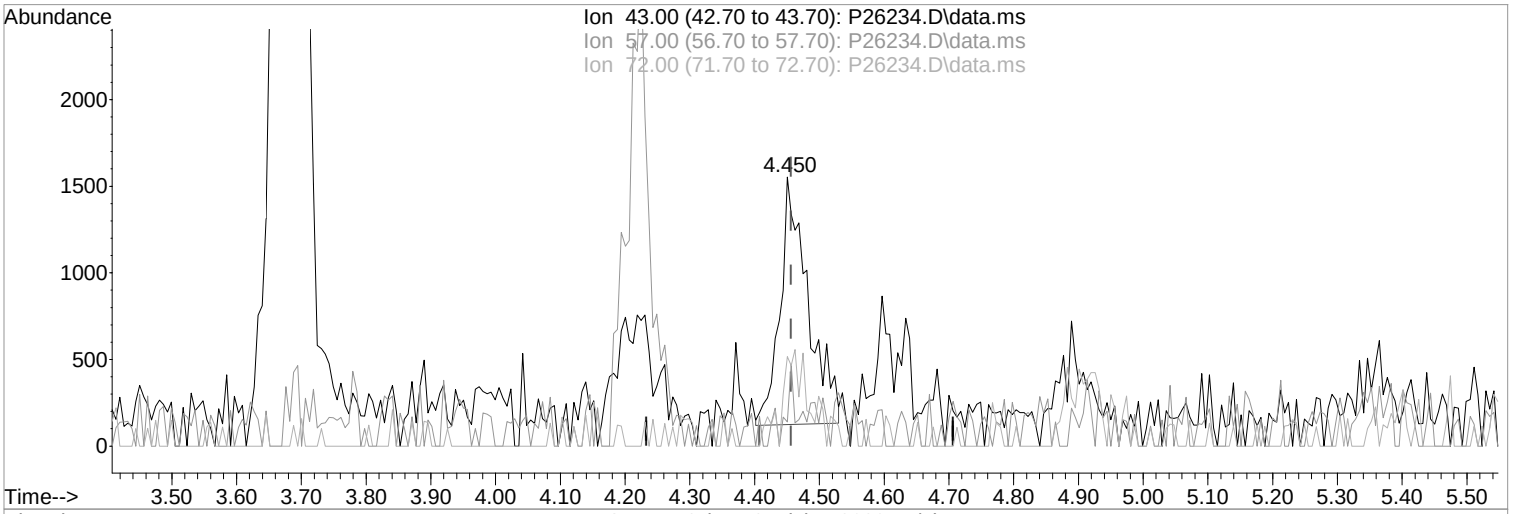
05/01/19

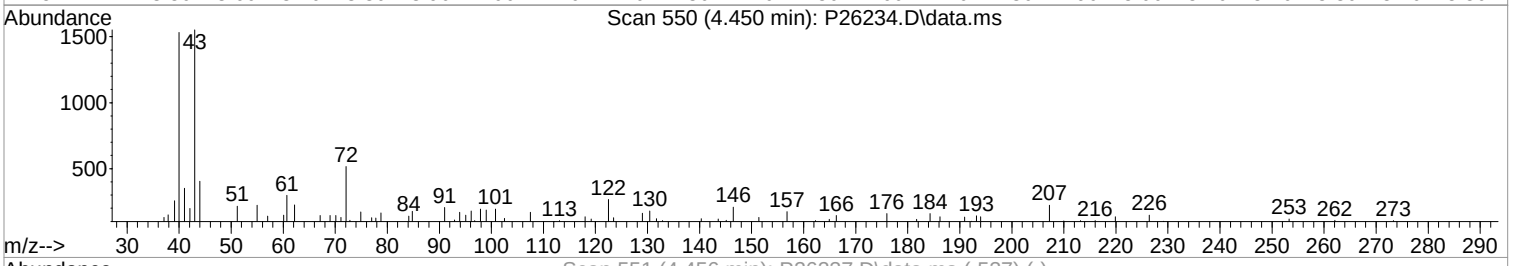
1st 05/01/19
2nd 05/02/19

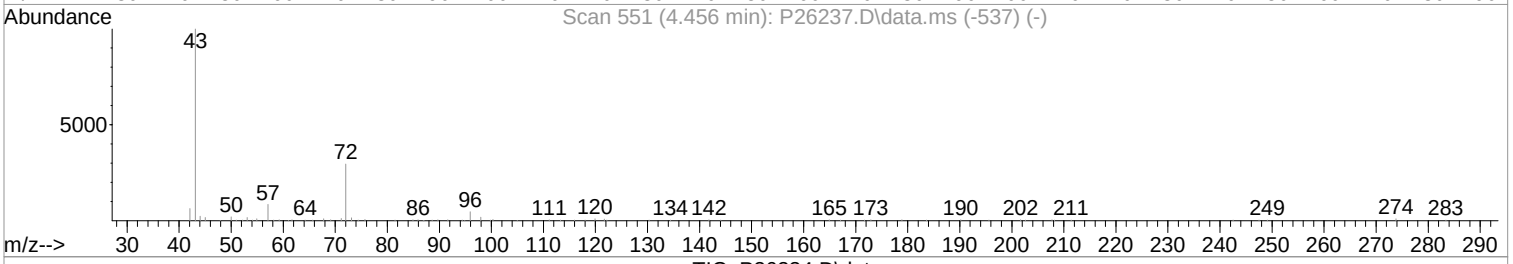
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26234.D
Acq On : 1 May 2019 1:30 pm
Operator : K.Ruest
Sample : 2.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 01 16:33:43 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26234.D\data.ms

(35) 2-Butanone (P)

4.450min (-0.006) 2.29 ppb m

response 4296

Ion	Exp%	Act%
43.00	100	100
57.00	9.00	8.95
72.00	29.40	33.29
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

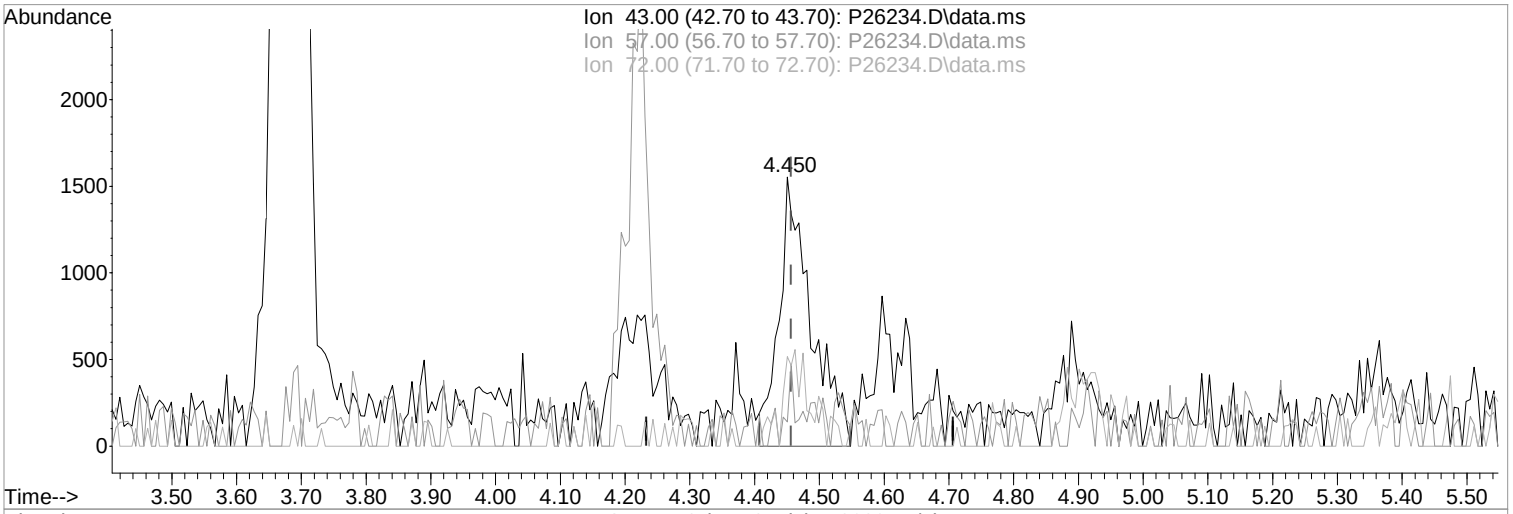
05/01/19

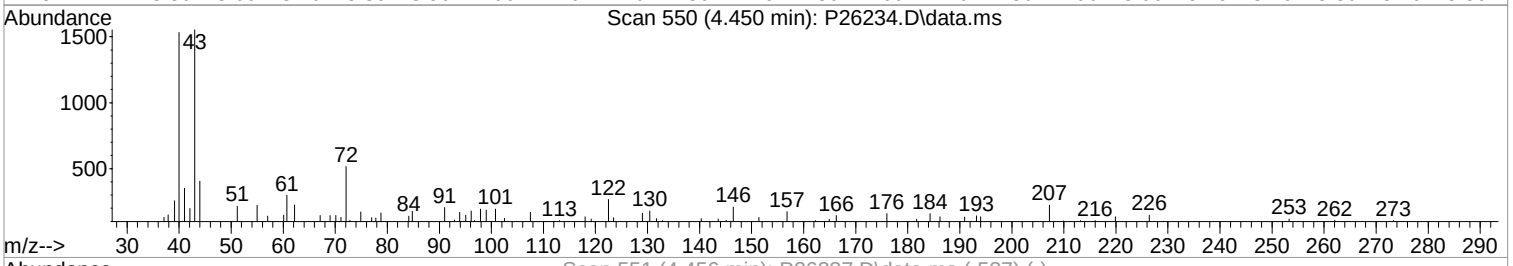
1st 05/01/19
2nd 05/02/19

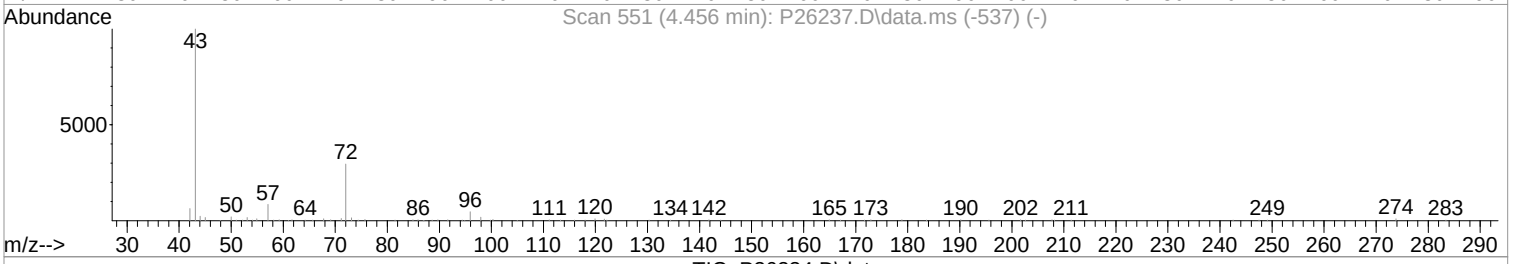
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26234.D
Acq On : 1 May 2019 1:30 pm
Operator : K.Ruest
Sample : 2.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 01 16:33:43 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26234.D\data.ms

(35) 2-Butanone (P)

4.450min (-0.006) 2.85 ppb

response 5357

Ion	Exp%	Act%
43.00	100	100
57.00	9.00	8.95
72.00	29.40	33.29
0.00	0.00	0.00

Manual Integration:

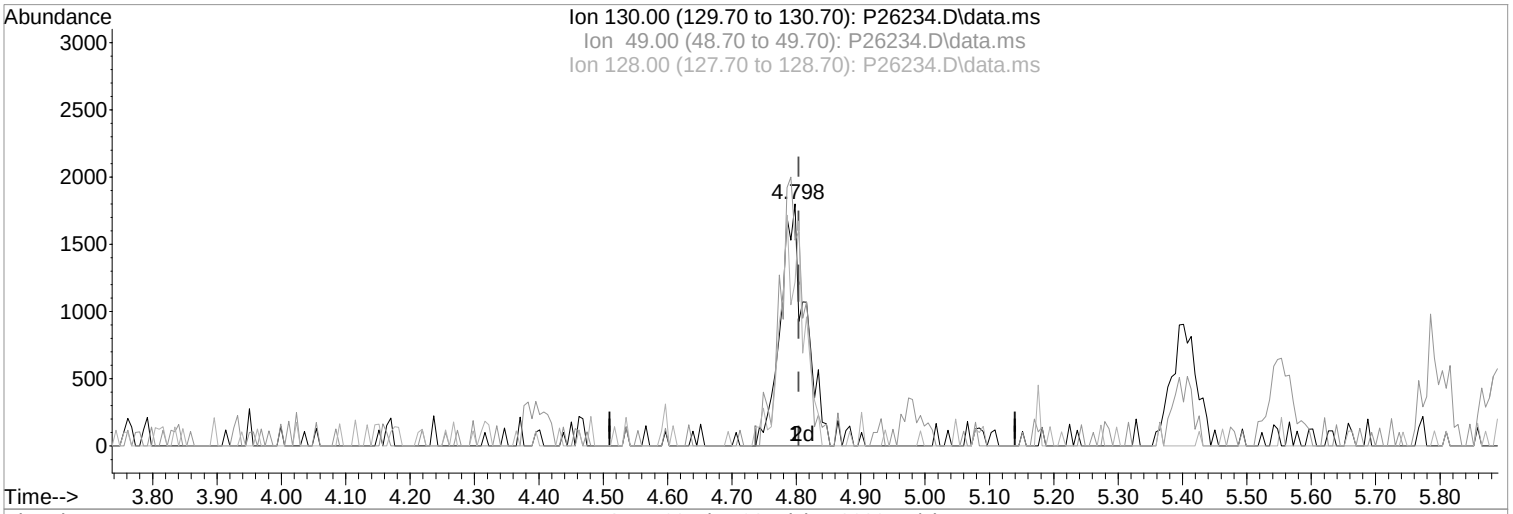
Before

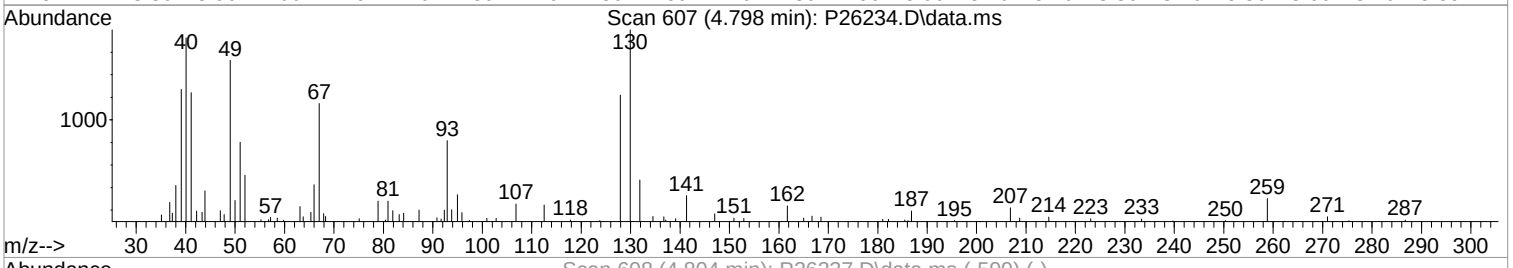
05/01/19

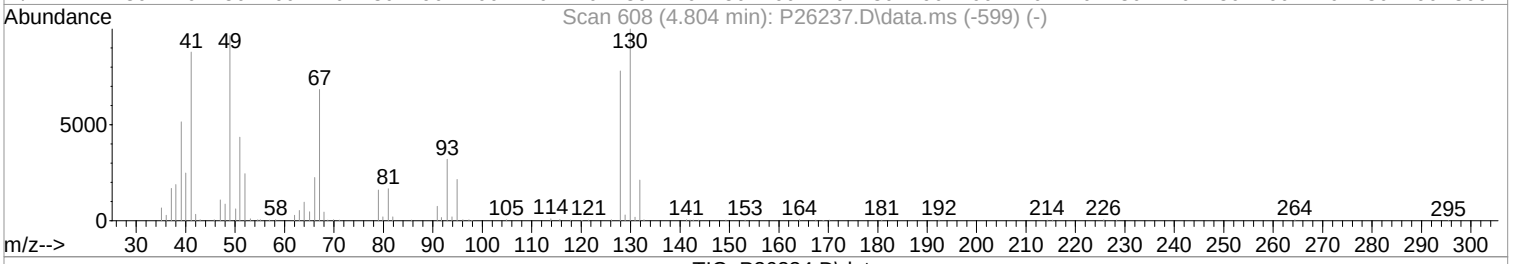
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26234.D
Acq On : 1 May 2019 1:30 pm
Operator : K.Ruest
Sample : 2.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 01 16:33:43 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26234.D\data.ms

(37) Bromochloromethane

4.798min (-0.006) 2.00 ppb m

response 4906

Ion	Exp%	Act%
130.00	100	100
49.00	96.80	85.00
128.00	78.80	67.78
0.00	0.00	0.00

Manual Integration:

After

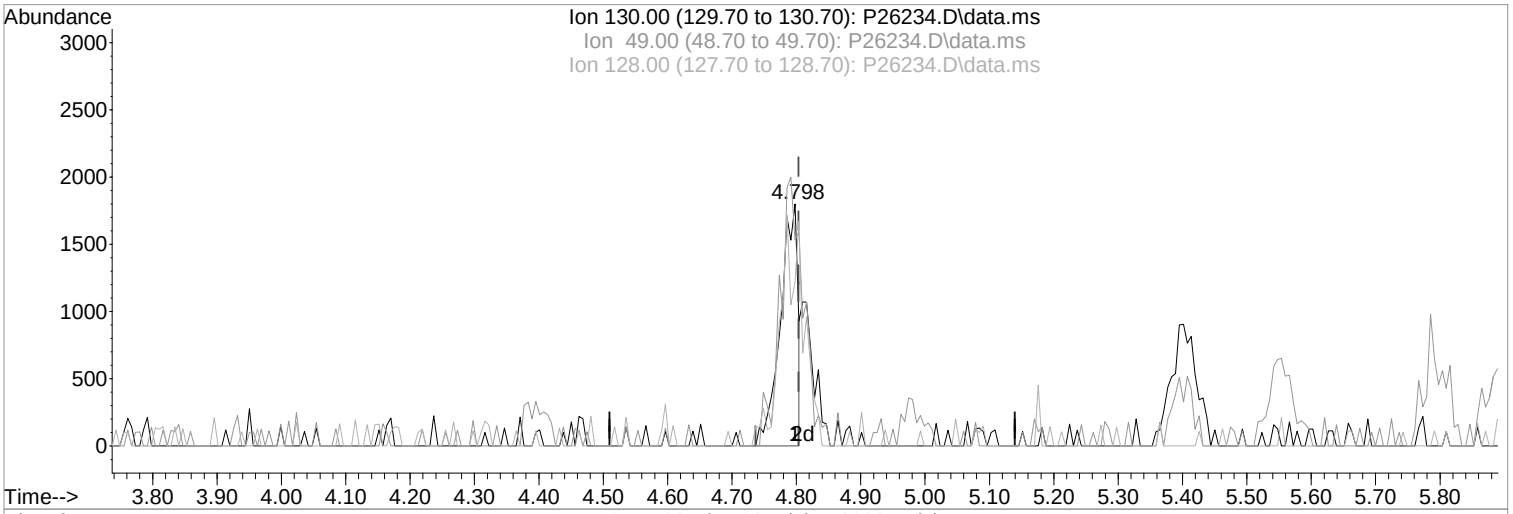
Split Peak

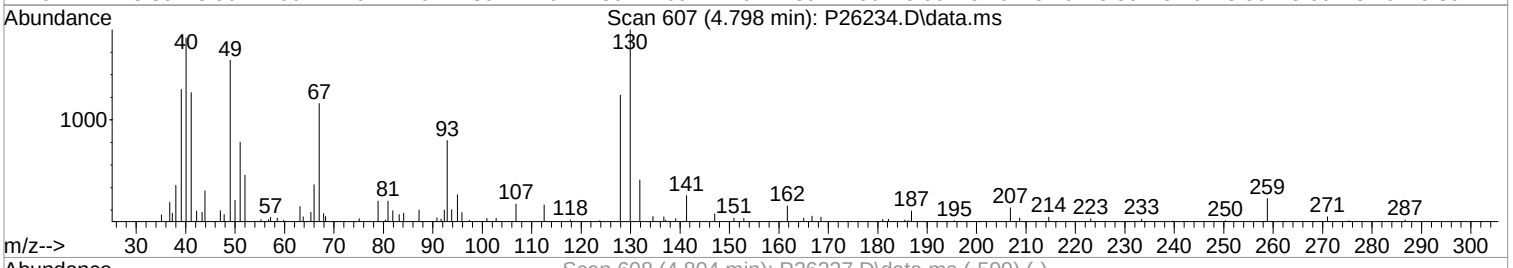
05/01/19

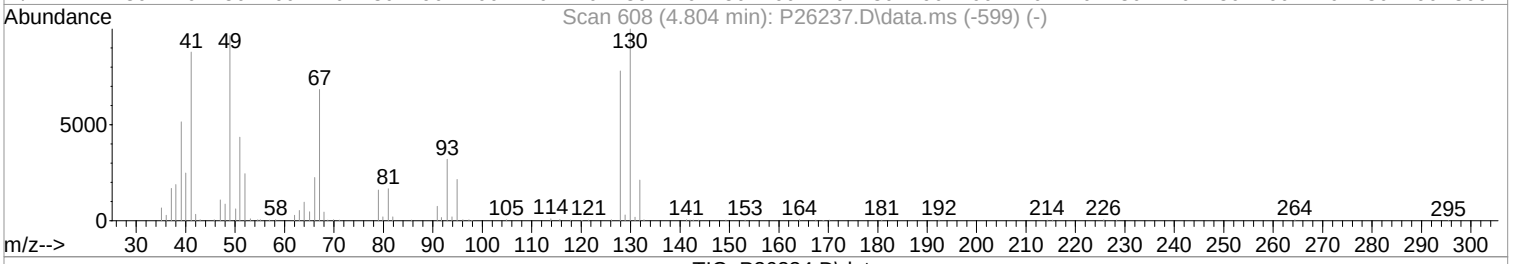
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26234.D
Acq On : 1 May 2019 1:30 pm
Operator : K.Ruest
Sample : 2.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 01 16:33:43 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26234.D\data.ms

(37) Bromochloromethane

4.798min (-0.006) 1.38 ppb

response 3396

Ion	Exp%	Act%
130.00	100	100
49.00	96.80	85.00
128.00	78.80	67.78
0.00	0.00	0.00

Manual Integration:

Before

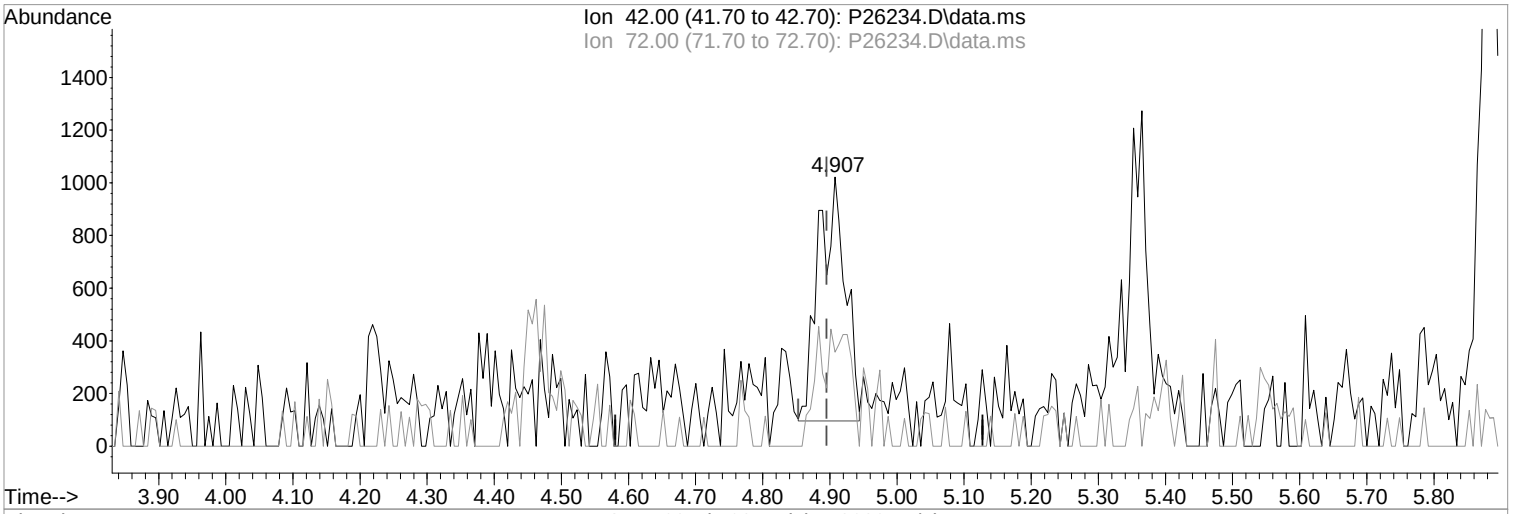
05/01/19

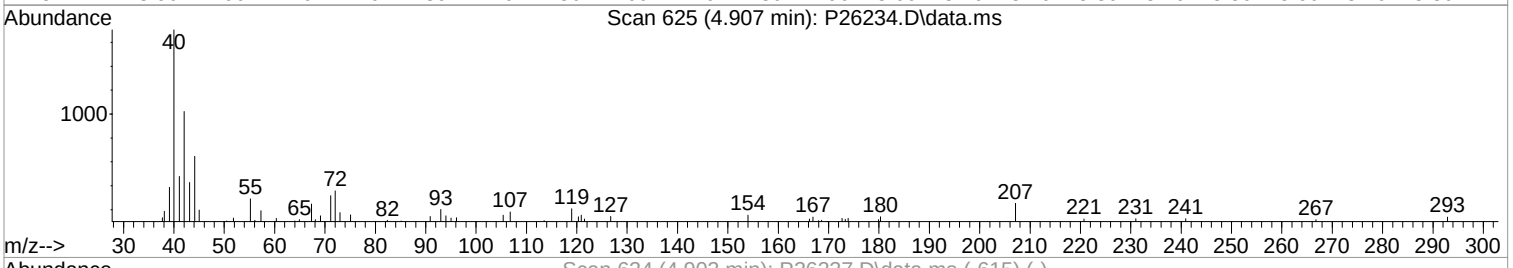
1st 05/01/19
2nd 05/02/19

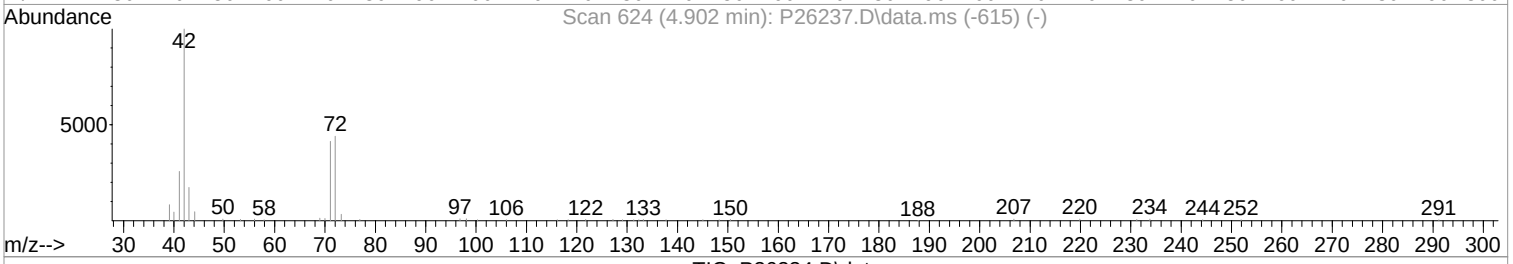
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26234.D
Acq On : 1 May 2019 1:30 pm
Operator : K.Ruest
Sample : 2.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 01 16:33:43 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26234.D\data.ms

(39) Tetrahydrofuran

4.907min (+0.012) 2.03 ppb m

response 2588

Ion	Exp%	Act%
42.00	100	100
72.00	43.90	34.93
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Split Peak

05/01/19

1st 05/01/19
2nd 05/02/19

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26234.D
Acq On : 1 May 2019 1:30 pm
Operator : K.Ruest
Sample : 2.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 3 Sample Multiplier: 1

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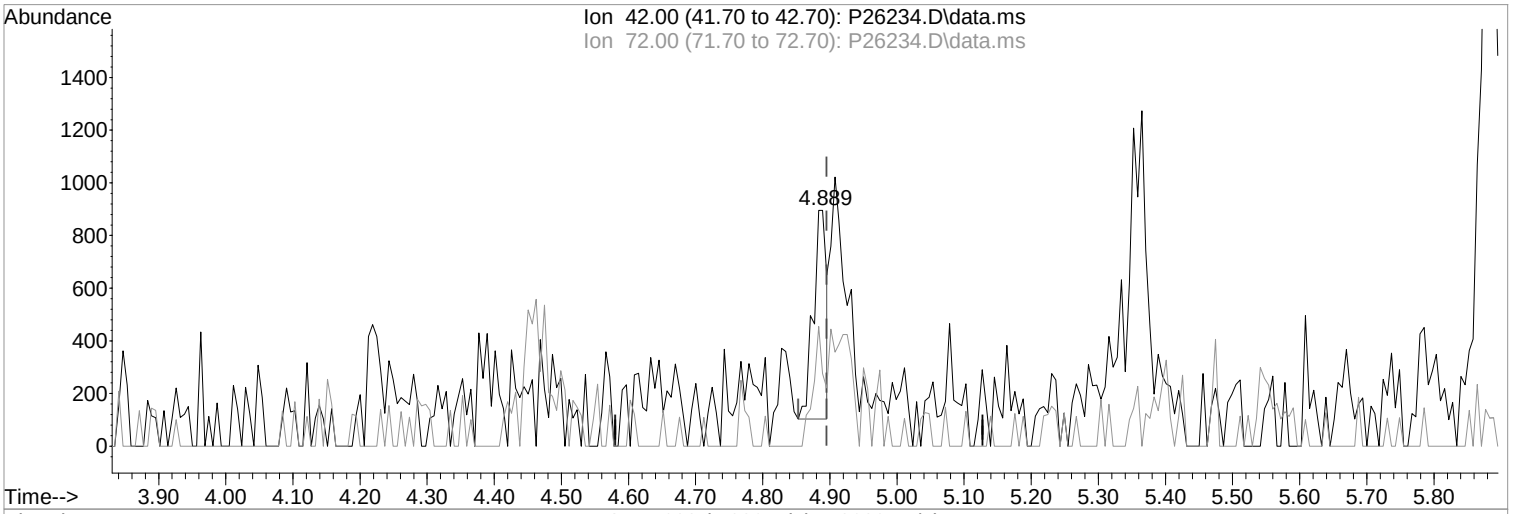
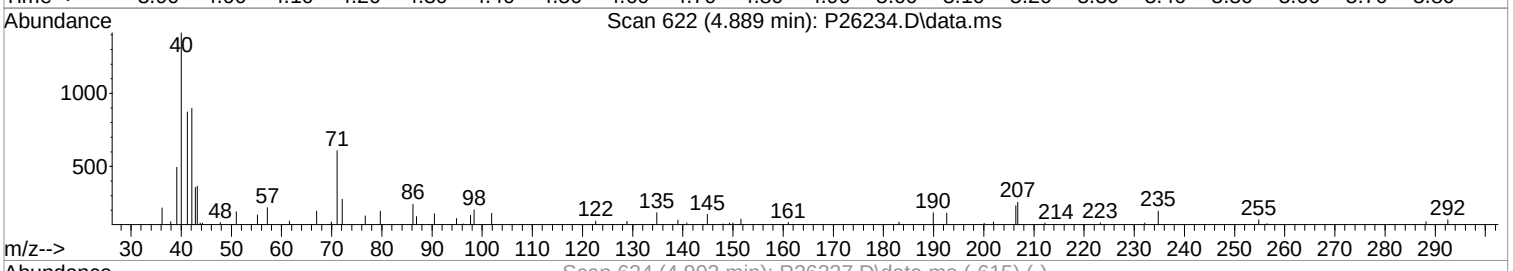
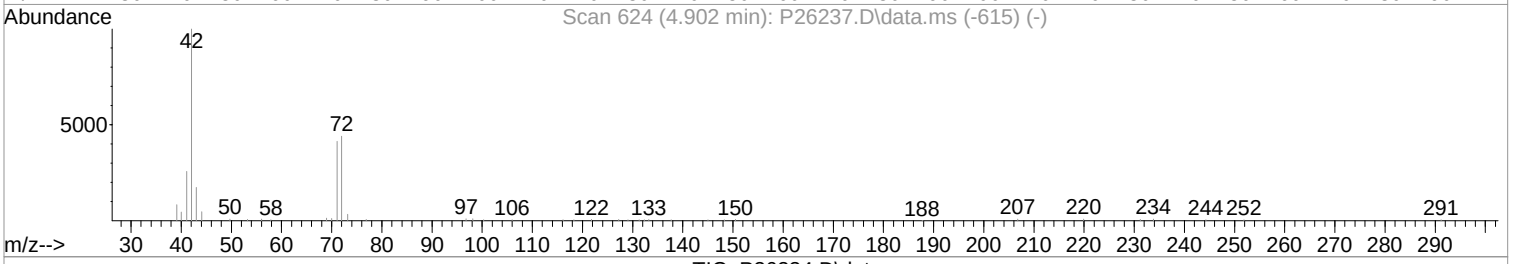
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26234.D\data.ms

(39) Tetrahydrofuran

4.889min (-0.006) 0.85 ppb

response 1091

Ion	Exp%	Act%
42.00	100	100
72.00	43.90	30.80
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

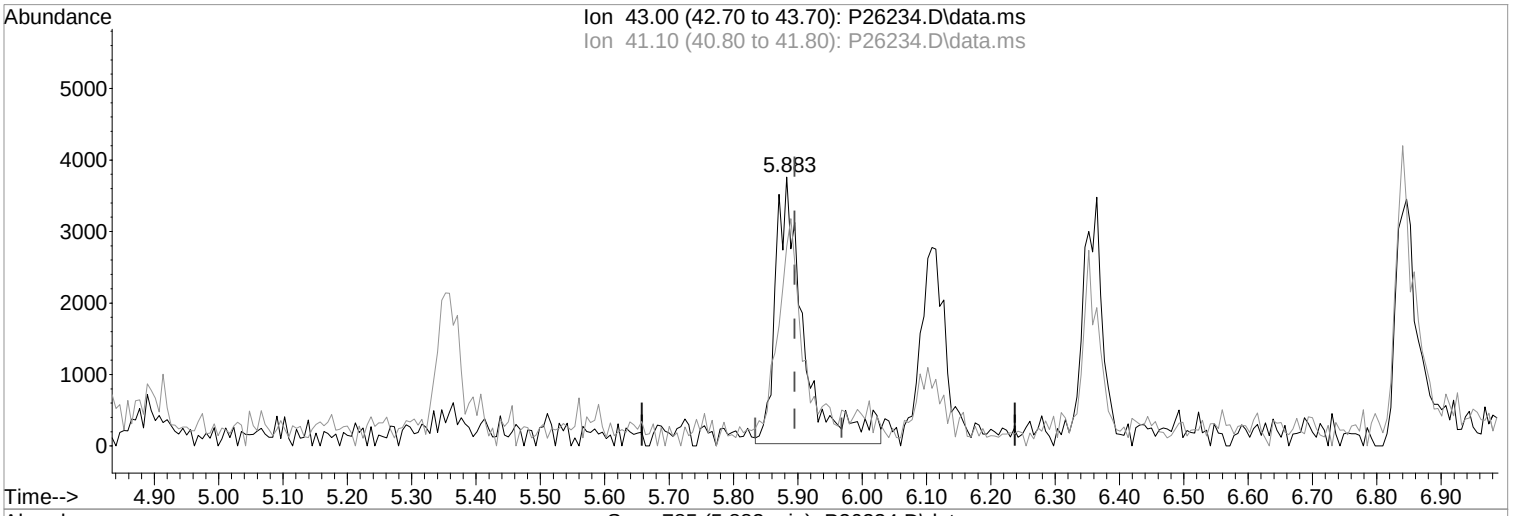
05/01/19

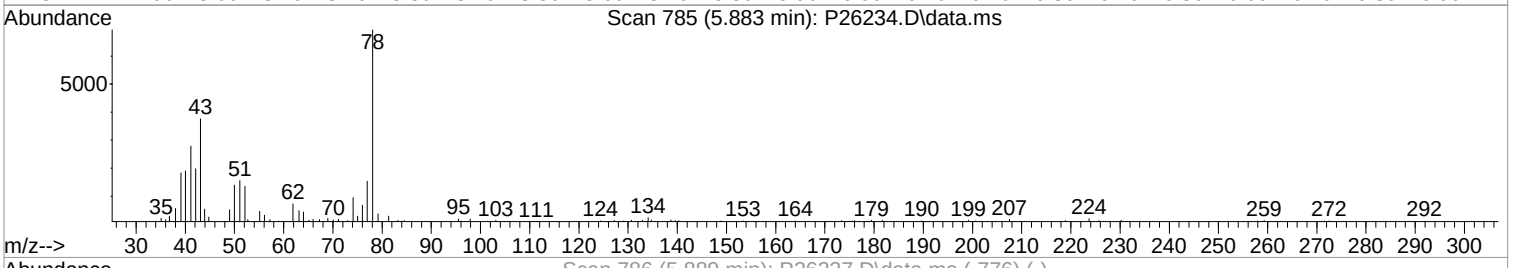
1st 05/01/19
2nd 05/02/19

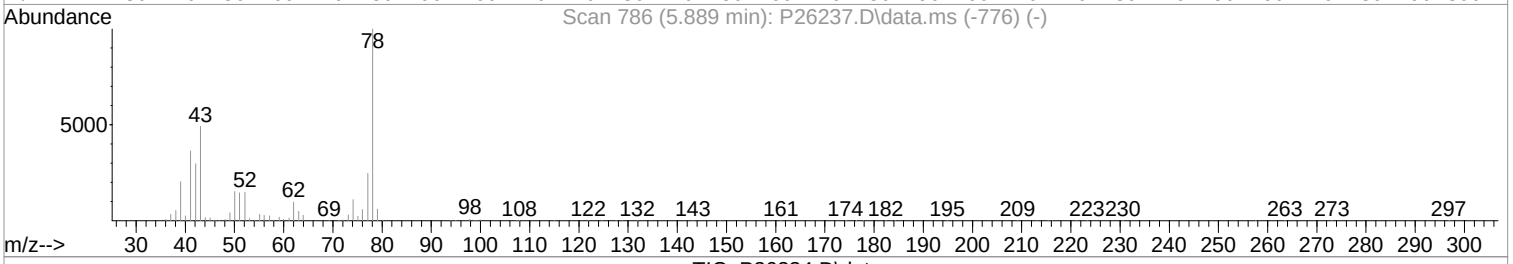
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26234.D
Acq On : 1 May 2019 1:30 pm
Operator : K.Ruest
Sample : 2.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 01 16:33:43 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26234.D\data.ms

(51) Iso-Butyl Alcohol

5.883min (-0.012) 42.67 ppb m

response 11462

Ion	Exp%	Act%
43.00	100	100
41.10	74.30	74.13
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

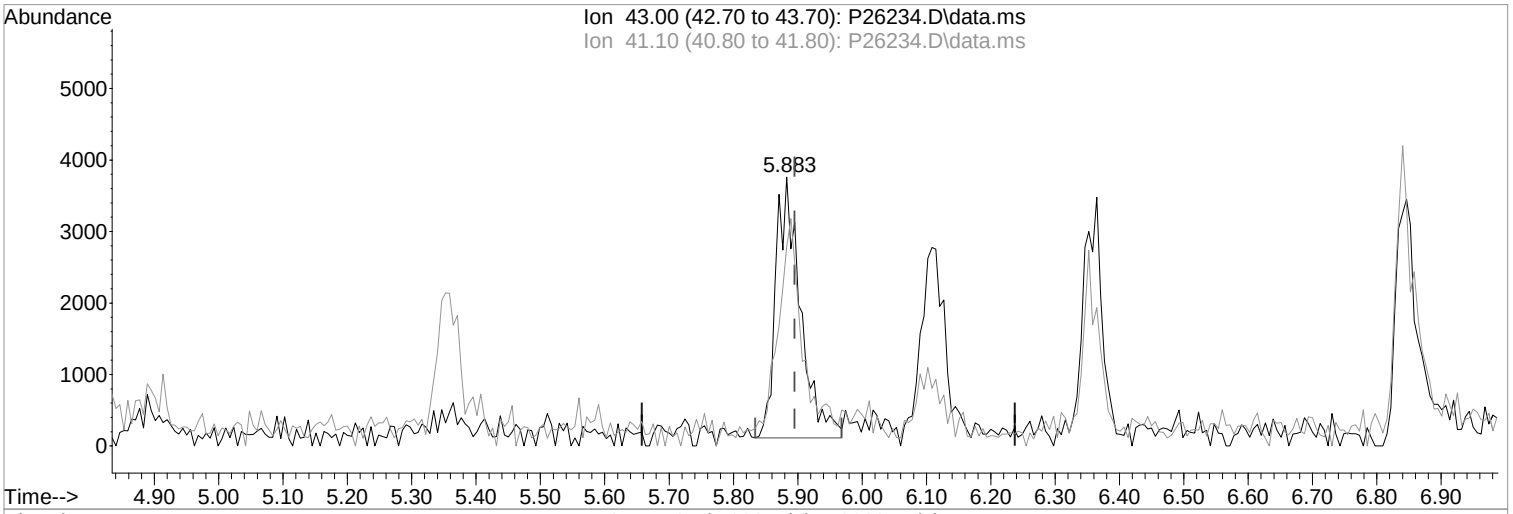
05/01/19

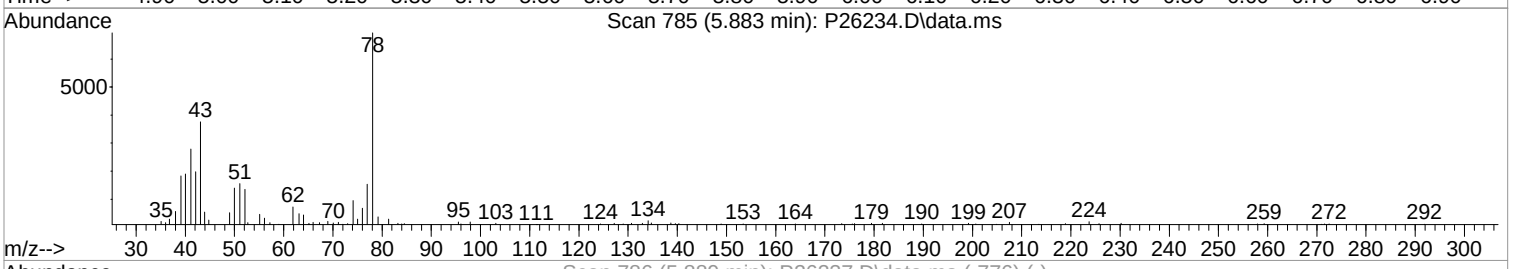
1st 05/01/19
2nd 05/02/19

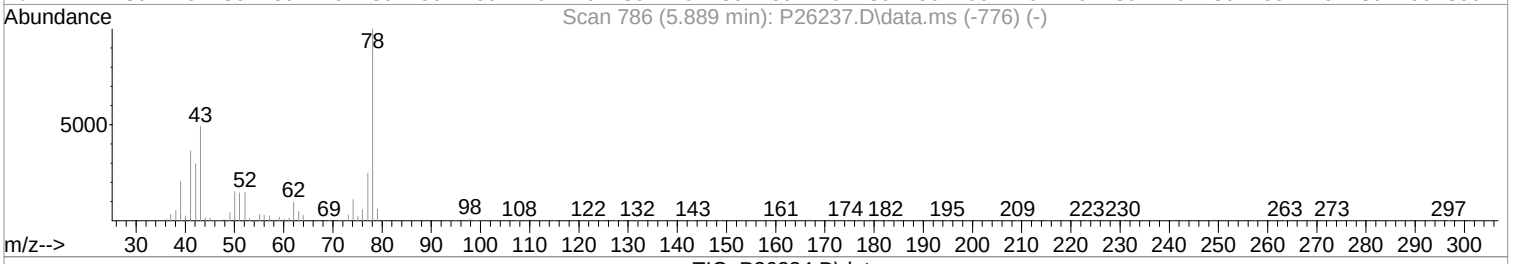
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26234.D
Acq On : 1 May 2019 1:30 pm
Operator : K.Ruest
Sample : 2.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 01 16:33:43 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26234.D\data.ms

(51) Iso-Butyl Alcohol

5.883min (-0.012) 36.11 ppb

response 9699

Ion	Exp%	Act%
43.00	100	100
41.10	74.30	74.13
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

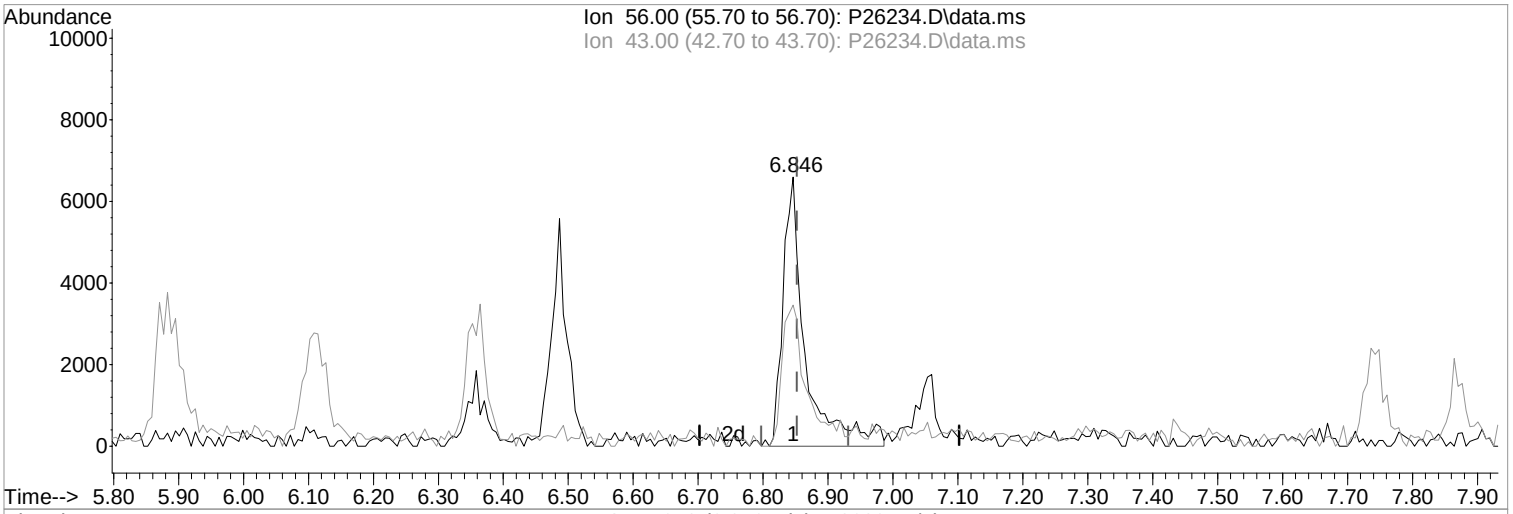
05/01/19

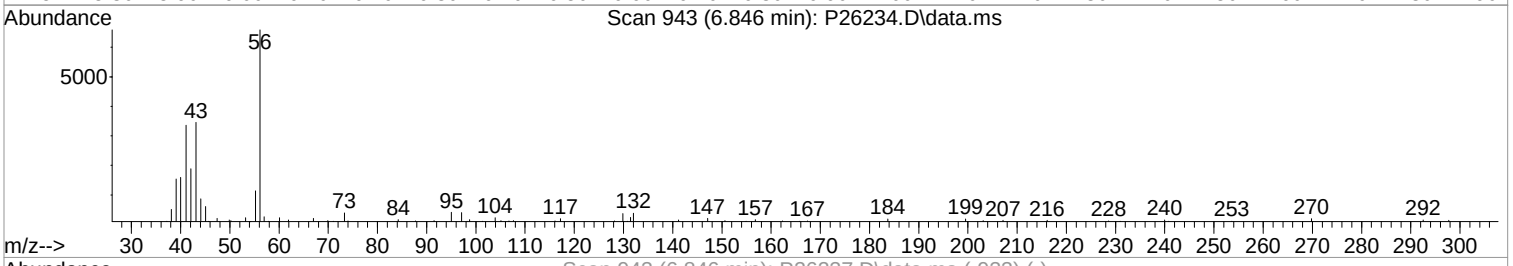
1st 05/01/19
2nd 05/02/19

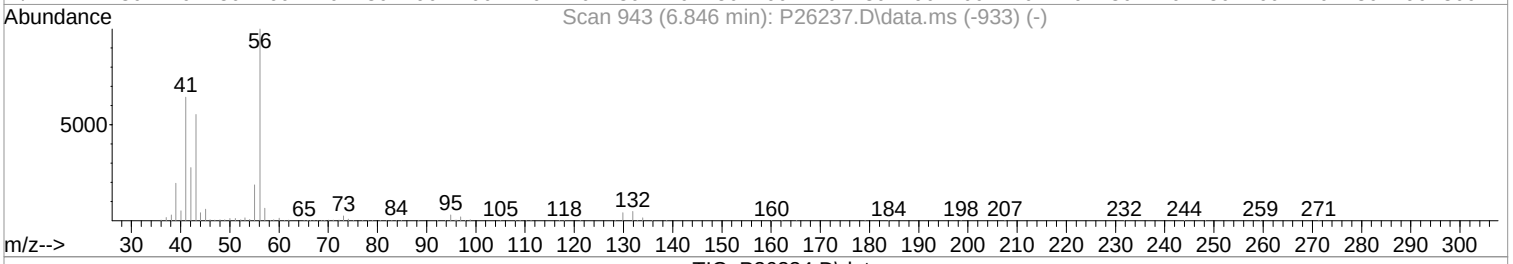
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26234.D
Acq On : 1 May 2019 1:30 pm
Operator : K.Ruest
Sample : 2.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 01 16:33:43 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26234.D\data.ms

(53) 1-Butanol

6.846min (-0.006) 86.11 ppb m

response 15775

Ion	Exp%	Act%
56.00	100	100
43.00	52.80	58.70
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

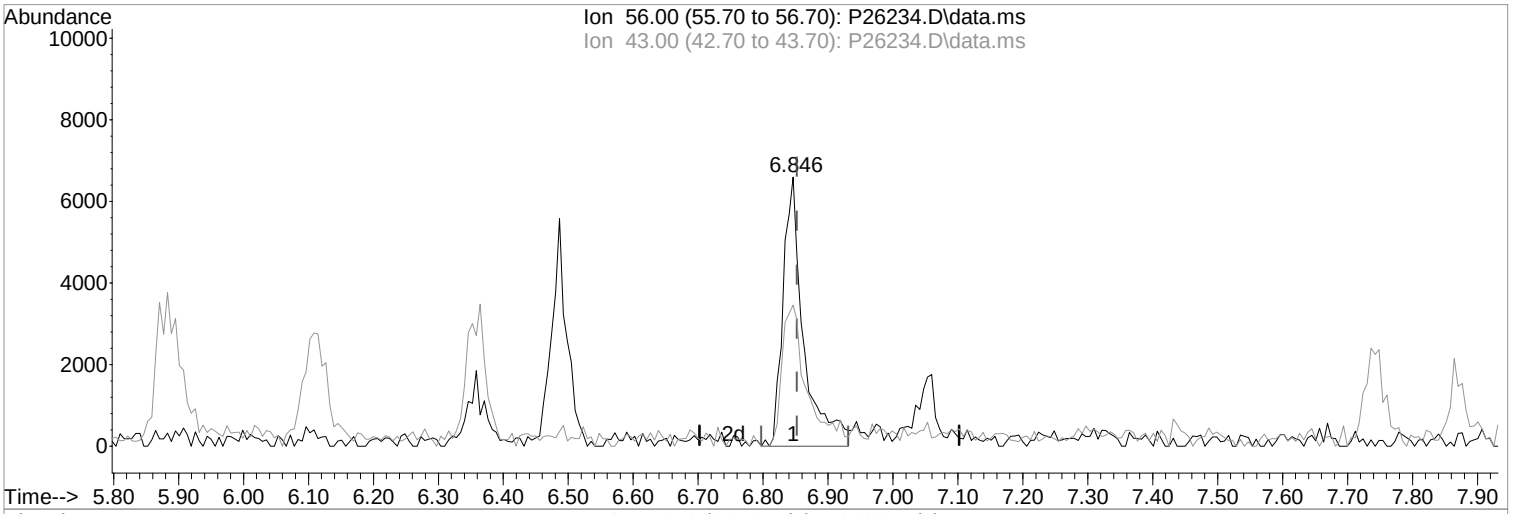
05/01/19

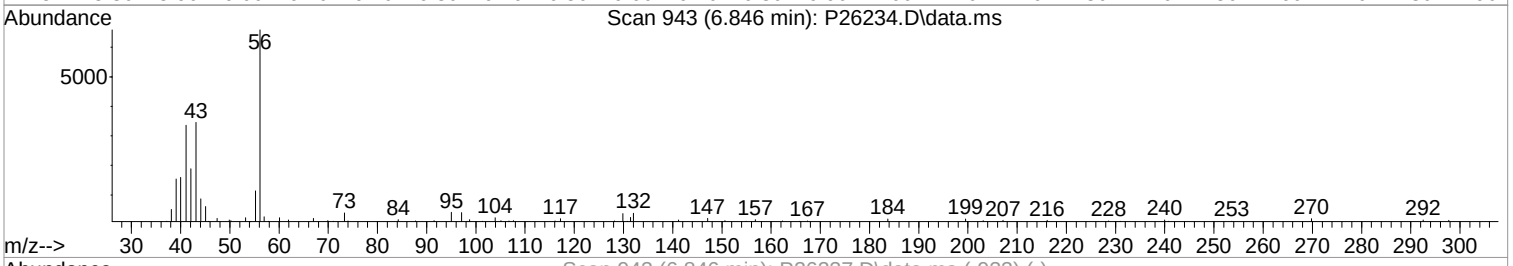
1st 05/01/19
2nd 05/02/19

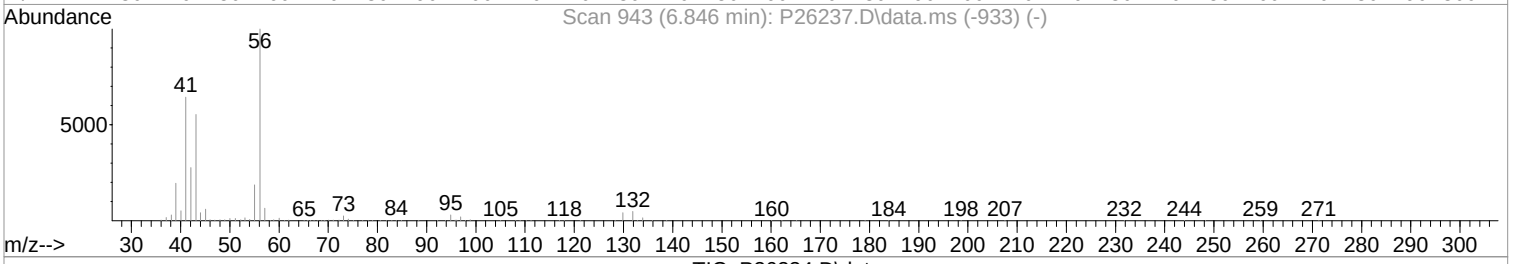
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26234.D
Acq On : 1 May 2019 1:30 pm
Operator : K.Ruest
Sample : 2.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 01 16:33:43 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26234.D\data.ms

(53) 1-Butanol

6.846min (-0.006) 79.69 ppb

response 14599

Ion	Exp%	Act%
56.00	100	100
43.00	52.80	63.43
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

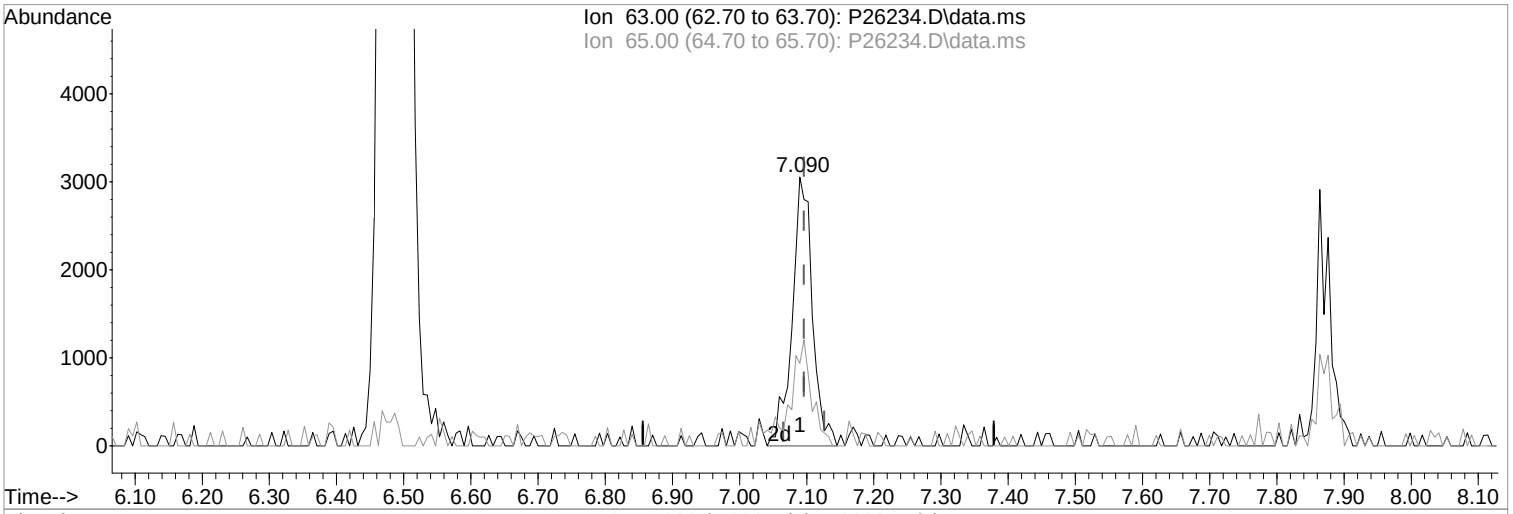
05/01/19

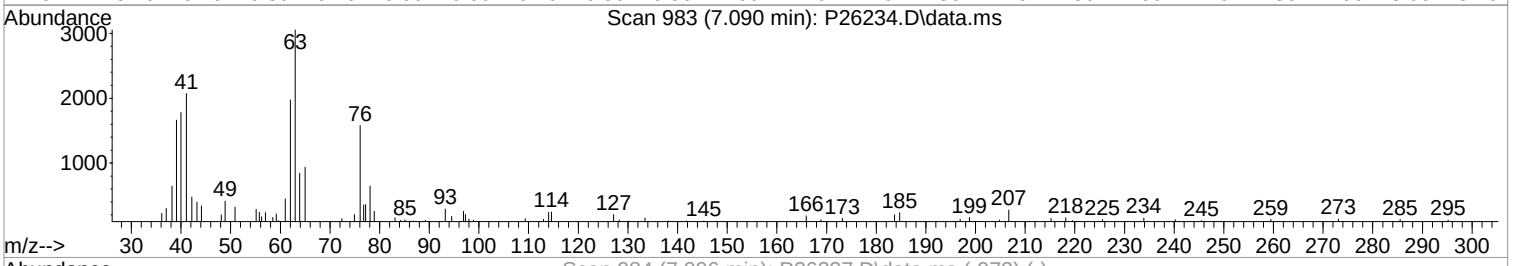
1st 05/01/19
2nd 05/02/19

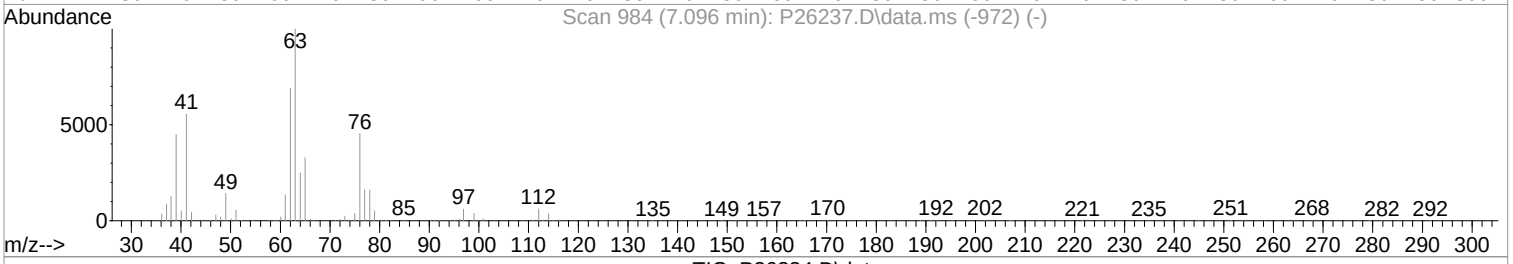
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26234.D
Acq On : 1 May 2019 1:30 pm
Operator : K.Ruest
Sample : 2.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 01 16:33:43 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26234.D\data.ms

(56) 1,2-Diclpropane (P)

7.090min (-0.006) 2.13 ppb m

response 6391

Ion	Exp%	Act%
63.00	100	100
65.00	32.80	30.73
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

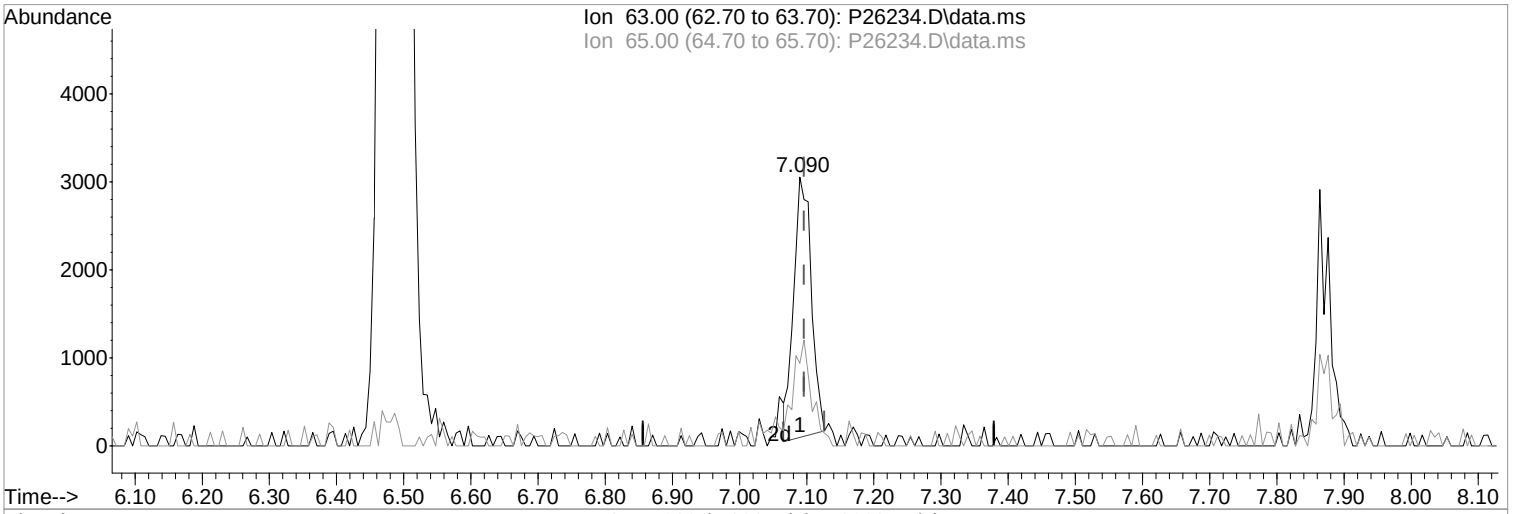
05/01/19

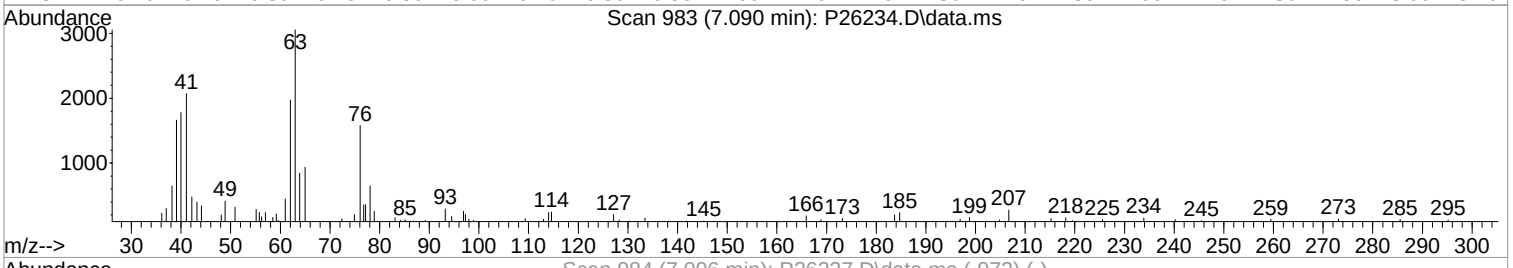
1st 05/01/19
2nd 05/02/19

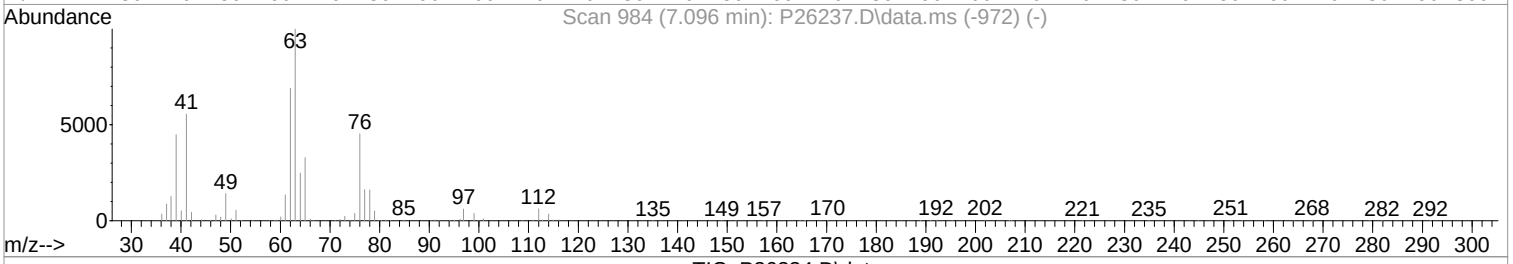
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26234.D
Acq On : 1 May 2019 1:30 pm
Operator : K.Ruest
Sample : 2.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 01 16:33:43 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26234.D\data.ms

(56) 1,2-Diclpropane (P)

7.090min (-0.006) 1.79 ppb

response 5375

Ion	Exp%	Act%
63.00	100	100
65.00	32.80	30.73
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

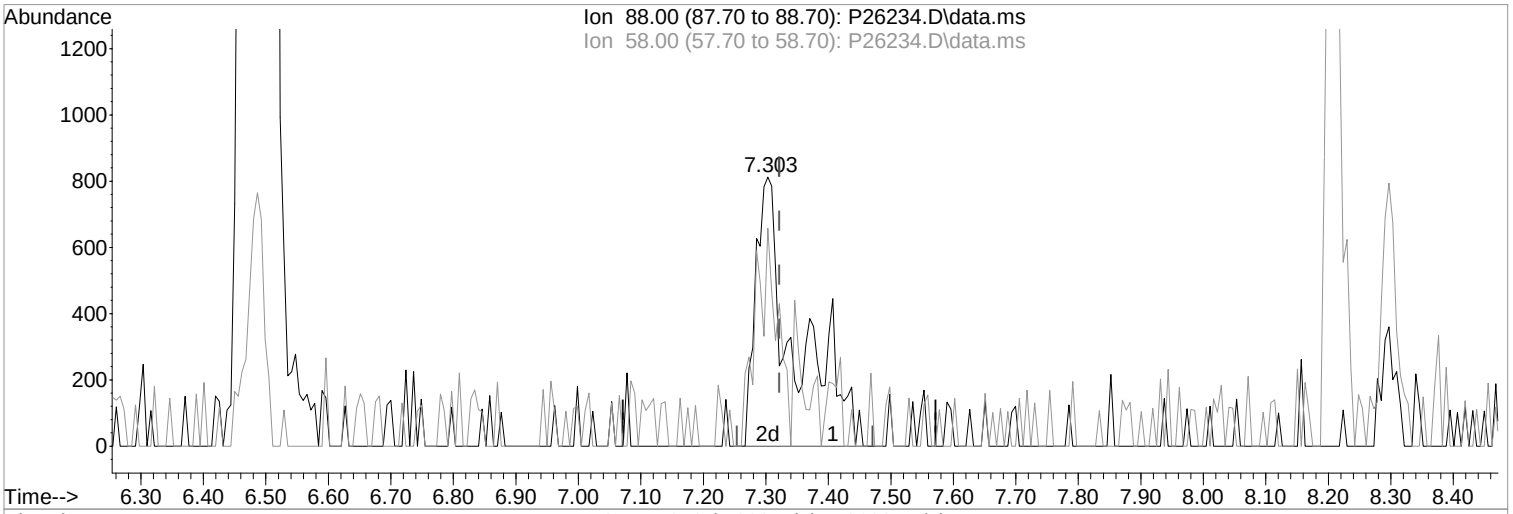
05/01/19

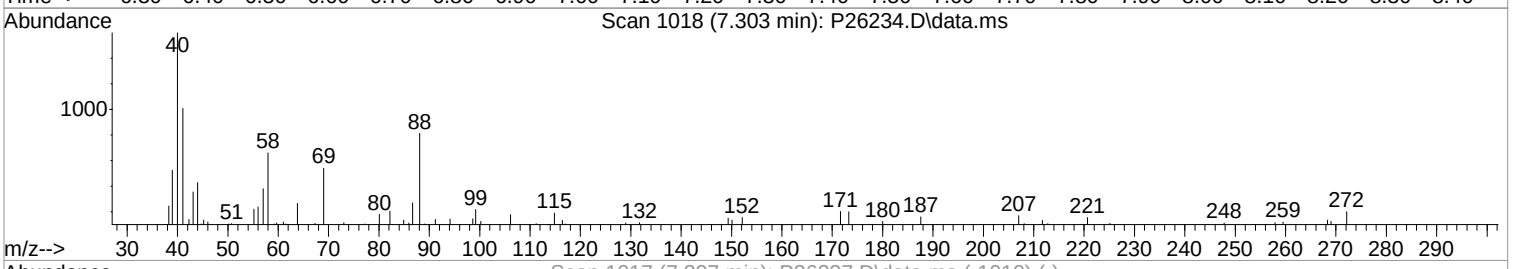
1st 05/01/19
2nd 05/02/19

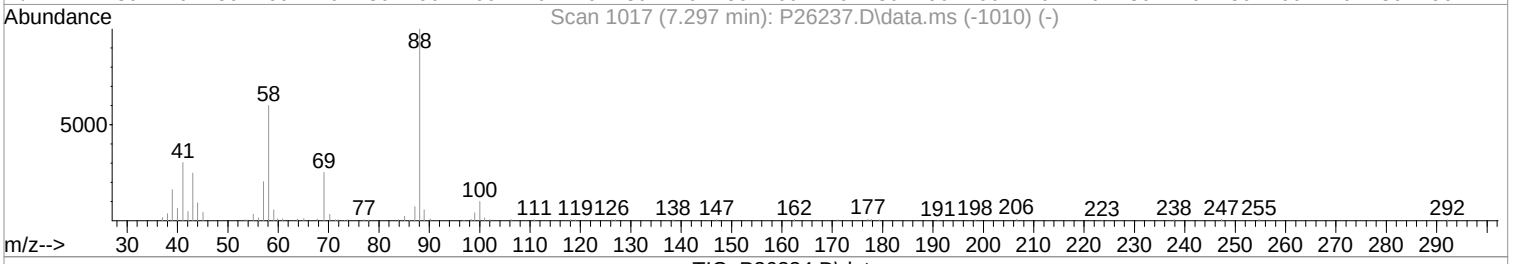
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26234.D
Acq On : 1 May 2019 1:30 pm
Operator : K.Ruest
Sample : 2.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 01 16:33:43 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26234.D\data.ms

(58) 1,4-Dioxane

7.303min (-0.018) 43.55 ppb m

response 3551

Ion	Exp%	Act%
88.00	100	100
58.00	60.00	81.03#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

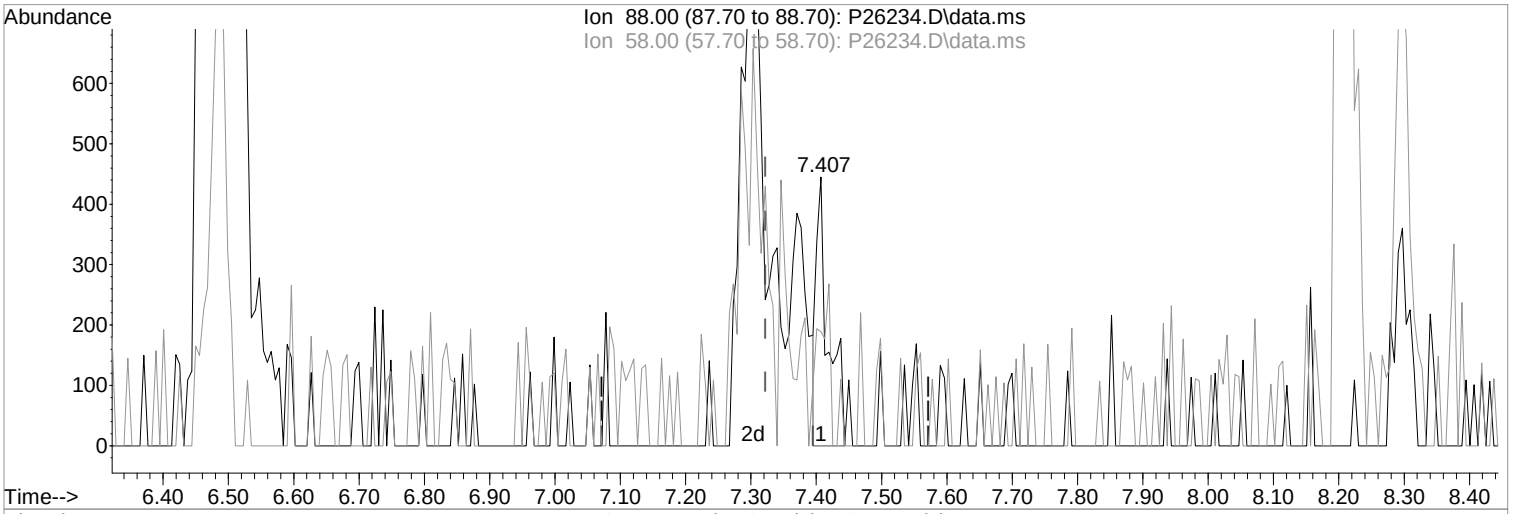
05/01/19

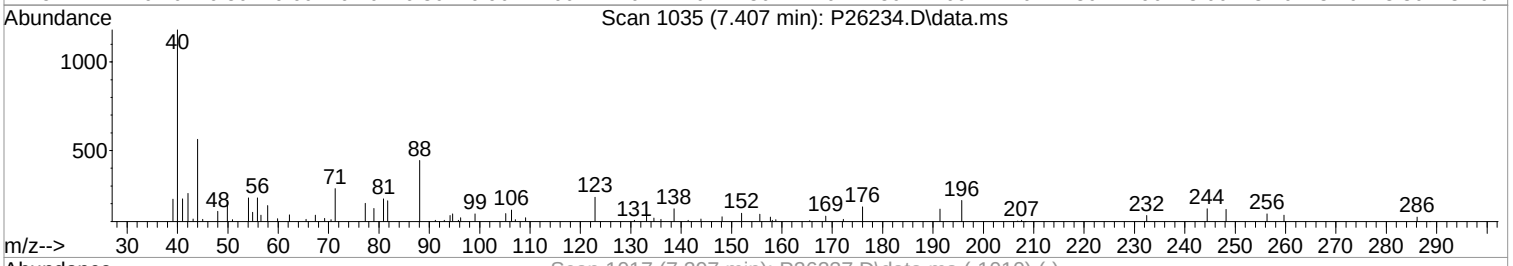
1st 05/01/19
2nd 05/02/19

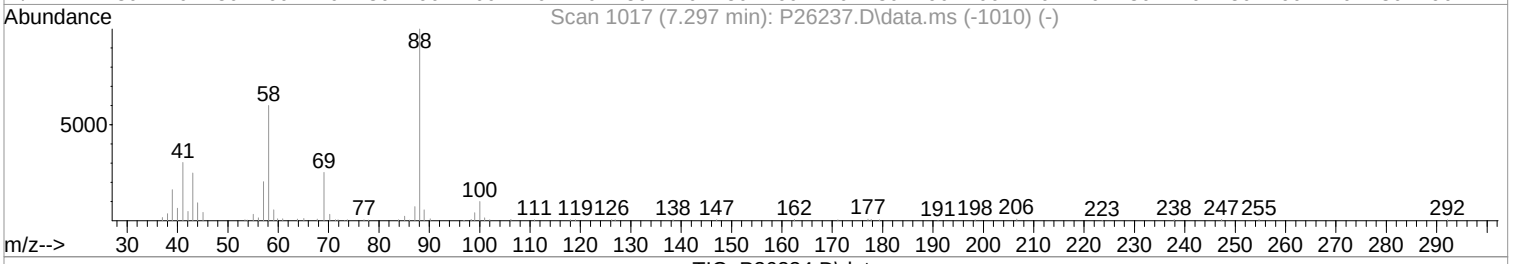
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26234.D
Acq On : 1 May 2019 1:30 pm
Operator : K.Ruest
Sample : 2.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 01 16:33:43 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26234.D\data.ms

(58) 1,4-Dioxane

7.407min (+0.085) 6.97 ppb

response 568

Ion	Exp%	Act%
88.00	100	100
58.00	60.00	42.47
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

05/01/19

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26234.D
Acq On : 1 May 2019 1:30 pm
Operator : K.Ruest
Sample : 2.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 01 17:02:06 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.401	168	339824	50.00	ppb		0.00
43) 1,4-Difluorobenzene	6.486	114	482339	50.00	ppb		0.00
71) d5-Chlorobenzene	9.791	117	433891	50.00	ppb		0.00
86) 1,4-Dichlorobenzene-d4	11.839	152	238503	50.00	ppb		0.00
System Monitoring Compounds							
45) surr4,Dibrflmethane	5.261	113	30677	11.06	ppb		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 22.12%#				
48) surr1,1,2-dichloroetha...	5.791	65	37344	12.34	ppb		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 24.68%#				
65) SURR3,Toluene-d8	8.297	98	133142	11.56	ppb		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 23.12%#				
70) SURR2,BFB	10.864	95	49769	11.06	ppb		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 22.12%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.207	85	5978	1.87	ppb		86
3) Chloromethane	1.335	50	5821	2.00	ppb		83
4) Vinyl Chloride	1.408	62	6717	1.88	ppb		89
5) Bromomethane	1.640	94	8462	2.37	ppb		95
6) Chloroethane	1.719	64	5939	2.02	ppb		98
7) Freon 21	1.859	67	9482	1.84	ppb		79
8) Trichlorofluoromethane	1.908	101	9210	2.07	ppb		95
9) Diethyl Ether	2.146	59	5491	2.13	ppb		88
10) Freon 123a	2.146	67	7237	2.29	ppb		88
11) Freon 123	2.201	83	8249	2.24	ppb		96
12) Acrolein	2.249	56	6449	10.55	ppb		99
13) 1,1-Diclethene	2.335	96	6298	2.23	ppb	#	76
14) Freon 113	2.341	101	4764	1.90	ppb		97
15) Acetone	2.377	43	4471	3.28	ppb		87
16) 2-Propanol	2.512	45	14531m	41.25	ppb		
17) Iodomethane	2.463	142	2781	0.88	ppb		98
18) Carbon Disulfide	2.524	76	14300	2.10	ppb		93
19) Acetonitrile	2.621	40	2154m	13.57	ppb		
20) Allyl Chloride	2.664	76	3205	2.17	ppb	#	73
21) Methyl Acetate	2.688	43	5252	1.79	ppb		92
22) Methylene Chloride	2.780	84	7811	2.47	ppb	#	79
23) TBA	2.908	59	23804	36.68	ppb		98
24) Acrylonitrile	3.030	53	14814	9.99	ppb		93
25) Methyl-t-Butyl Ether	3.079	73	22635	2.21	ppb		98
26) trans-1,2-Dichloroethene	3.072	96	6044	1.95	ppb	#	88
28) 1,1-Diclethane	3.572	63	11386	2.25	ppb		99
29) Vinyl Acetate	3.658	86	1155m	1.83	ppb		
30) DIPE	3.694	45	16398	2.07	ppb		89
31) 2-Chloro-1,3-Butadiene	3.688	53	8566	2.25	ppb		90
32) ETBE	4.213	59	18176	2.08	ppb		90
33) 2,2-Dichloropropane	4.395	77	9447	2.04	ppb		85
34) cis-1,2-Dichloroethene	4.408	96	8217	2.24	ppb		89
35) 2-Butanone	4.450	43	4296m	2.29	ppb		
36) Propionitrile	4.529	54	6418	9.57	ppb		90
37) Bromochloromethane	4.798	130	4906m	2.00	ppb		
38) Methacrylonitrile	4.810	67	3761	2.05	ppb		95
39) Tetrahydrofuran	4.907	42	2588m	2.03	ppb		
40) Chloroform	4.981	83	12178	2.27	ppb		81
41) 1,1,1-Trichloroethane	5.273	97	10946	2.18	ppb		85

1st 05/01/19
2nd 05/02/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26234.D
Acq On : 1 May 2019 1:30 pm
Operator : K.Ruest
Sample : 2.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 01 17:02:06 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) TAME	6.108	73	19476	2.11	ppb		93
44) Cyclohexane	5.353	41	4739	1.82	ppb		99
46) Carbontetrachloride	5.542	117	8177	1.95	ppb		83
47) 1,1-Dichloropropene	5.566	75	7993	2.06	ppb		90
49) Benzene	5.871	78	25525	2.04	ppb		92
50) 1,2-Dichloroethane	5.901	62	9512	2.15	ppb		84
51) Iso-Butyl Alcohol	5.883	43	11462m	42.67	ppb		
52) n-Heptane	6.365	43	7629	2.30	ppb		82
53) 1-Butanol	6.846	56	15775m	86.11	ppb		
54) Trichloroethene	6.816	130	7805	2.01	ppb		94
55) Methylcyclohexane	7.053	55	8181	2.26	ppb		87
56) 1,2-Diclpropane	7.090	63	6391m	2.13	ppb		
57) Dibromomethane	7.230	93	4013	1.90	ppb	#	68
58) 1,4-Dioxane	7.303	88	3551m	43.55	ppb		
59) Methyl Methacrylate	7.322	69	5855	1.98	ppb		97
60) Bromodichloromethane	7.462	83	8162	1.96	ppb		83
61) 2-Nitropropane	7.736	41	3375	3.13	ppb		97
62) 2-Chloroethylvinyl Ether	7.864	63	3993	1.88	ppb		91
63) cis-1,3-Dichloropropene	8.004	75	11610	2.16	ppb		97
64) 4-Methyl-2-pentanone	8.212	43	7499	1.98	ppb		95
66) Toluene	8.376	91	30907	2.19	ppb		87
67) trans-1,3-Dichloropropene	8.645	75	8688	1.81	ppb		88
68) Ethyl Methacrylate	8.785	69	11033	2.14	ppb		96
69) 1,1,2-Trichloroethane	8.827	97	6835	2.02	ppb		89
72) Tetrachloroethene	8.968	164	6207	1.99	ppb		85
73) 2-Hexanone	9.120	43	5597	1.92	ppb		94
74) 1,3-Dichloropropane	8.998	76	10355	1.97	ppb		94
75) Dibromochloromethane	9.224	129	7048	1.85	ppb	#	80
76) N-Butyl Acetate	9.279	43	10822	1.95	ppb		95
77) 1,2-Dibromoethane	9.321	107	6919	1.98	ppb		97
78) Chlorobenzene	9.815	112	19880	2.08	ppb		93
79) 3-CBTF	9.833	180	9591	1.75	ppb	#	81
80) 4-CBTF	9.888	180	9710	1.95	ppb		88
81) 1,1,1,2-Tetrachloroethane	9.900	131	7470	2.02	ppb		93
82) Ethylbenzene	9.937	106	11164	2.16	ppb		97
83) (m+p)Xylene	10.047	106	26667	4.18	ppb		92
84) o-Xylene	10.406	106	12213	1.89	ppb	#	76
85) Styrene	10.419	104	19390	1.92	ppb		83
87) Bromoform	10.565	173	5194	1.88	ppb		94
88) 2-CBTF	10.650	180	10283	1.96	ppb		95
89) Isopropylbenzene	10.742	105	32740	2.18	ppb		98
90) Cyclohexanone	10.803	55	31714	42.37	ppb		99
91) trans-1,4-Dichloro-2-B...	11.053	53	2452	1.98	ppb		87
92) 1,1,2,2-Tetrachloroethane	10.998	83	10104	2.23	ppb		95
93) Bromobenzene	10.986	156	9945	2.20	ppb		96
94) 1,2,3-Trichloropropane	11.028	110	3427	2.01	ppb		96
95) n-Propylbenzene	11.095	91	35362	2.17	ppb		97
96) 2-Chlorotoluene	11.156	91	21842	2.16	ppb		94
97) 3-Chlorotoluene	11.211	91	20124	2.10	ppb		99
98) 4-Chlorotoluene	11.254	91	24636	2.13	ppb		93
99) 1,3,5-Trimethylbenzene	11.248	105	25369	2.01	ppb		97
100) tert-Butylbenzene	11.522	119	23990	2.08	ppb		97
101) 1,2,4-Trimethylbenzene	11.559	105	25789	2.06	ppb		97
102) 3,4-DCBTF	11.620	214	8395	1.88	ppb		96
103) sec-Butylbenzene	11.705	105	35137	2.18	ppb		95
104) p-Isopropyltoluene	11.827	119	28713	2.05	ppb		96

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26234.D
Acq On : 1 May 2019 1:30 pm
Operator : K.Ruest
Sample : 2.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 01 17:02:06 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
105) 1,3-Dclbenz	11.784	146	16508	2.04	ppb	89
106) 1,4-Dclbenz	11.857	146	17568	2.13	ppb	97
107) 2,4-DCBTF	11.912	214	7385	1.83	ppb	97
108) 2,5-DCBTF	11.949	214	8578m	1.91	ppb	
109) n-Butylbenzene	12.156	91	24424	2.09	ppb	98
110) 1,2-Dclbenz	12.162	146	16378	2.04	ppb	94
111) 1,2-Dibromo-3-chloropr...	12.784	157	2863	1.78	ppb	88
112) Trielution Dichlorotol...	12.900	125	40999	6.07	ppb	94
113) 1,3,5 Trichlorobenzene	12.955	180	12083	1.89	ppb	94
114) Coelution Dichlorotoluene	13.229	125	28801	3.82	ppb	93
115) 1,2,4-Tcbenzene	13.436	180	12295	1.83	ppb	97
116) Hexachlorobt	13.577	225	4986	1.72	ppb	91
117) Naphthalen	13.625	128	38227	1.97	ppb	92
118) 1,2,3-Tclbenzene	13.814	180	13181	1.85	ppb	97
119) 2,4,5-Trichlorotolene	14.400	159	7819	1.82	ppb	94
120) 2,3,6-Trichlorotoluene	14.491	159	9346	1.85	ppb	94

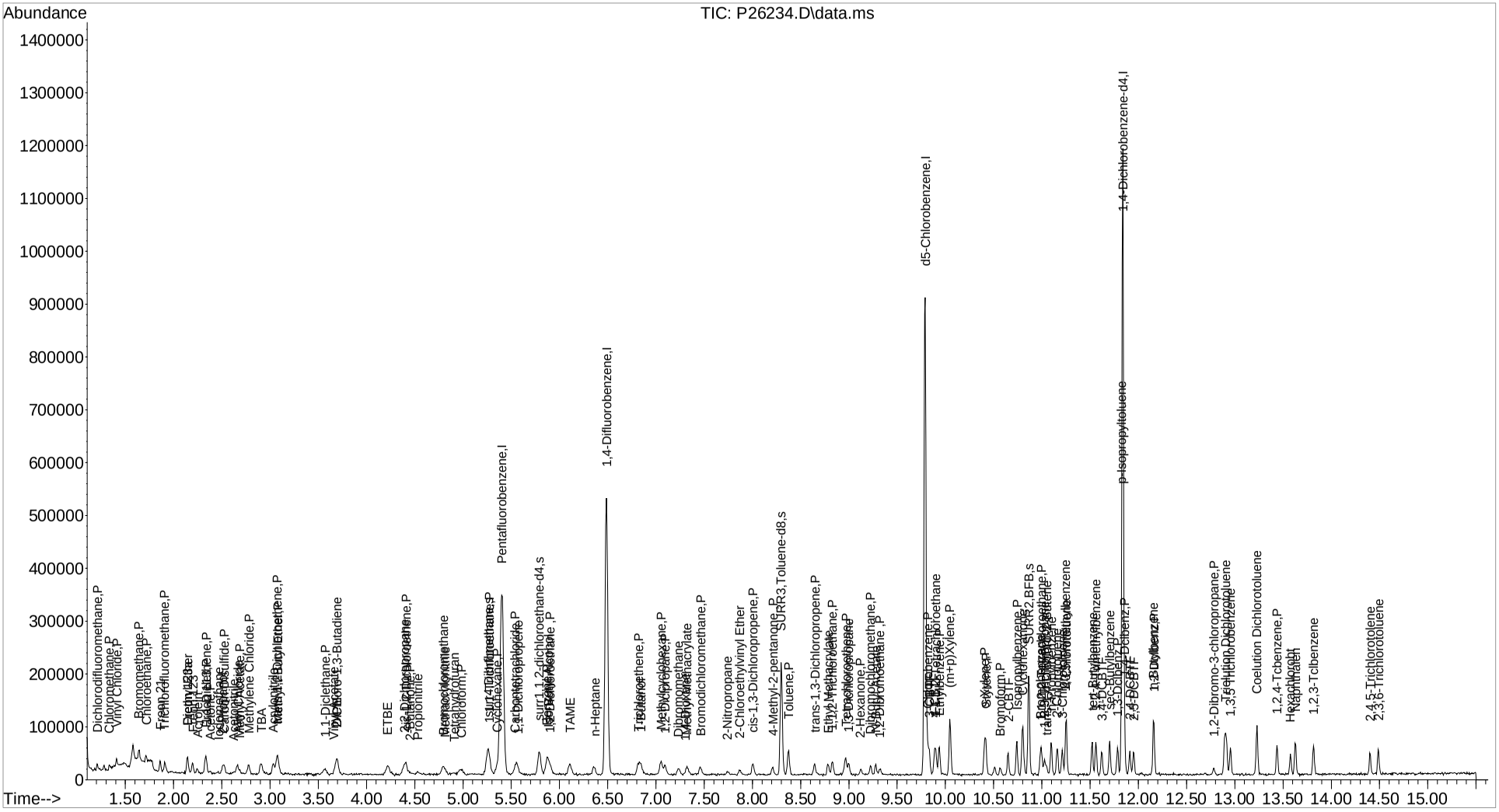
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26234.D
Acq On : 1 May 2019 1:30 pm
Operator : K.Ruest
Sample : 2.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 01 17:02:06 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration

1st 05/01/19
2nd 05/02/19

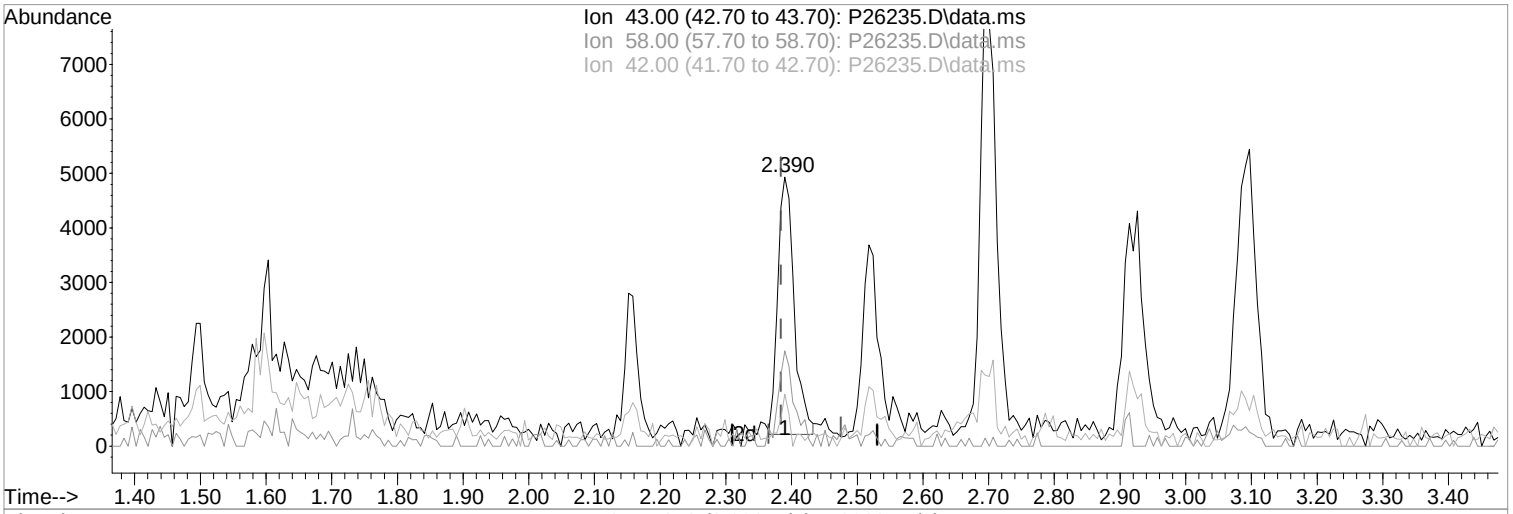


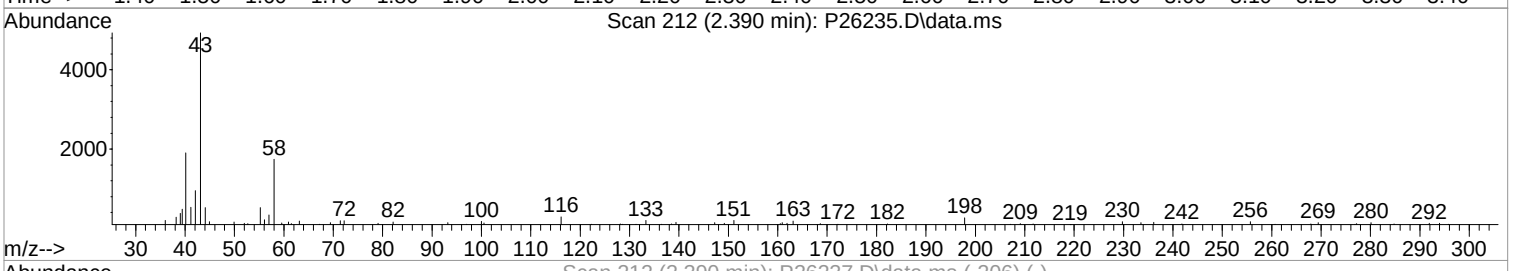
1st 05/01/19
2nd 05/02/19

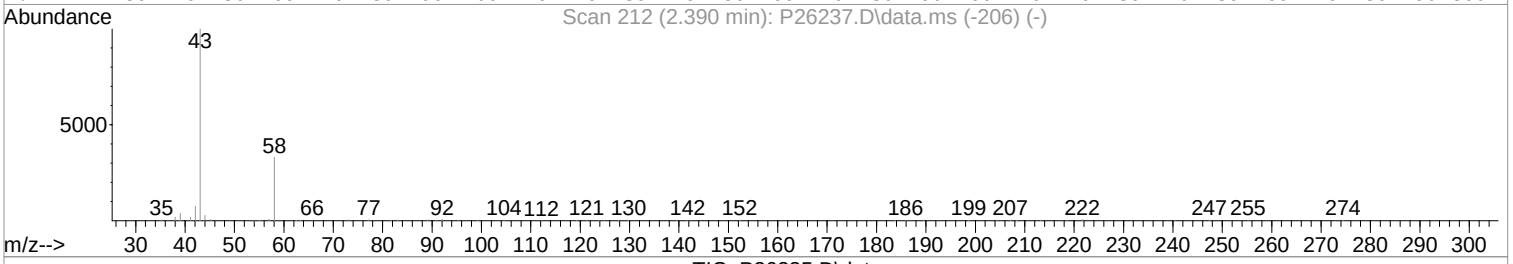
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26235.D
Acq On : 1 May 2019 1:52 pm
Operator : K.Ruest
Sample : 5.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 01 16:33:46 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26235.D\data.ms

(15) Acetone (P)

2.390min (+0.006) 6.07 ppb m

response 8156

Ion	Exp%	Act%
43.00	100	100
58.00	33.10	35.39
42.00	8.30	19.32
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

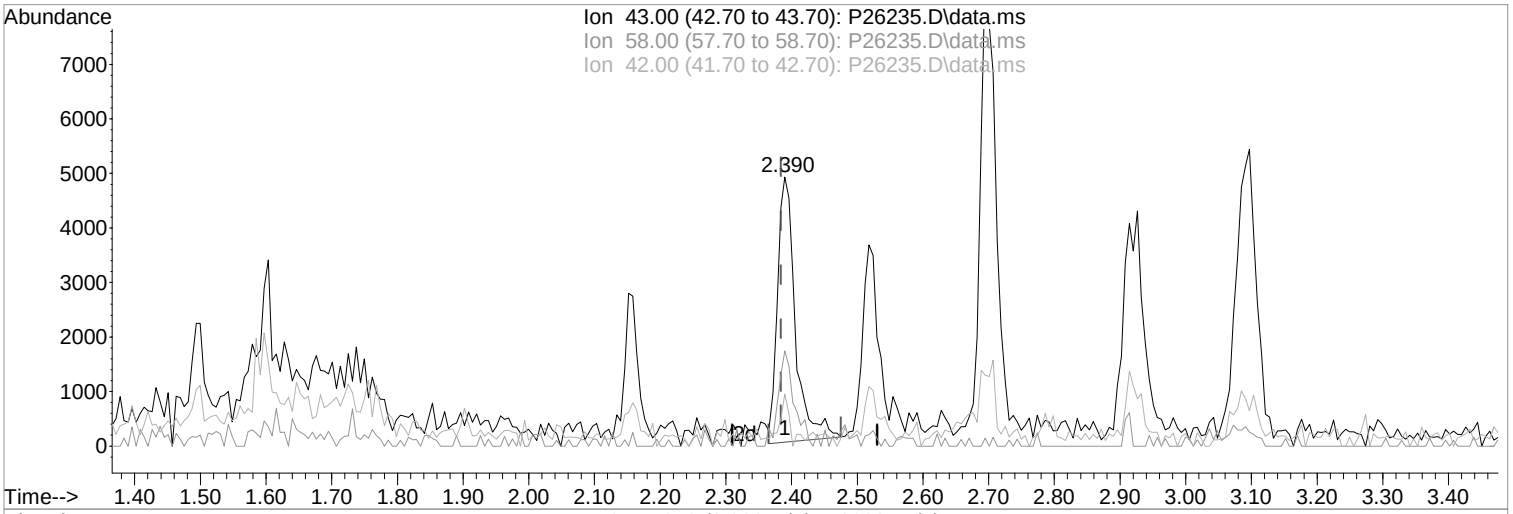
05/01/19

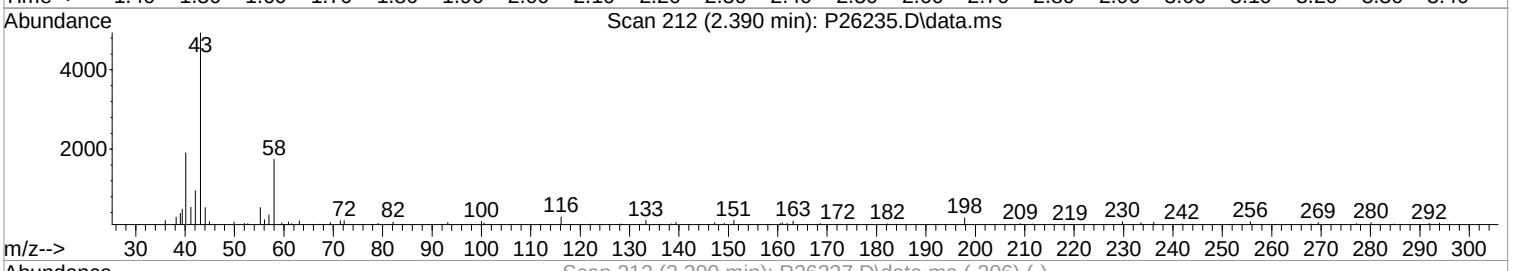
1st 05/01/19
2nd 05/02/19

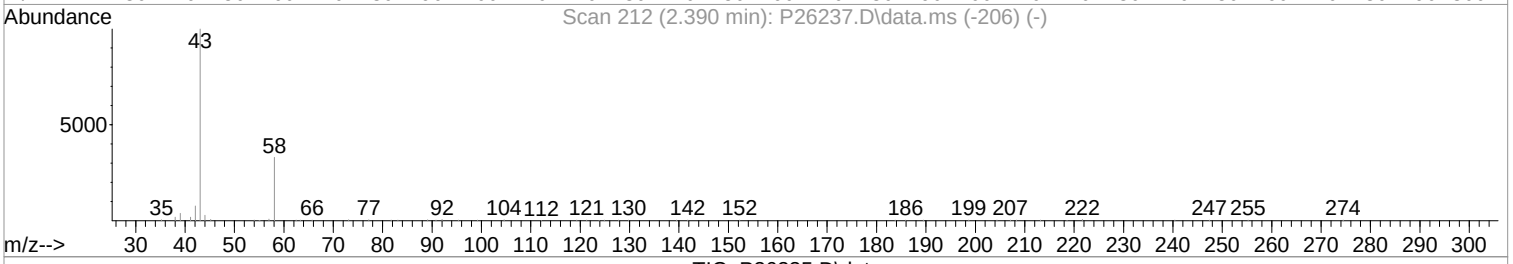
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26235.D
Acq On : 1 May 2019 1:52 pm
Operator : K.Ruest
Sample : 5.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 01 16:33:46 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26235.D\data.ms

(15) Acetone (P)

2.390min (+0.006) 6.81 ppb

response 9138

Ion	Exp%	Act%
43.00	100	100
58.00	33.10	35.39
42.00	8.30	19.32
0.00	0.00	0.00

Manual Integration:

Before

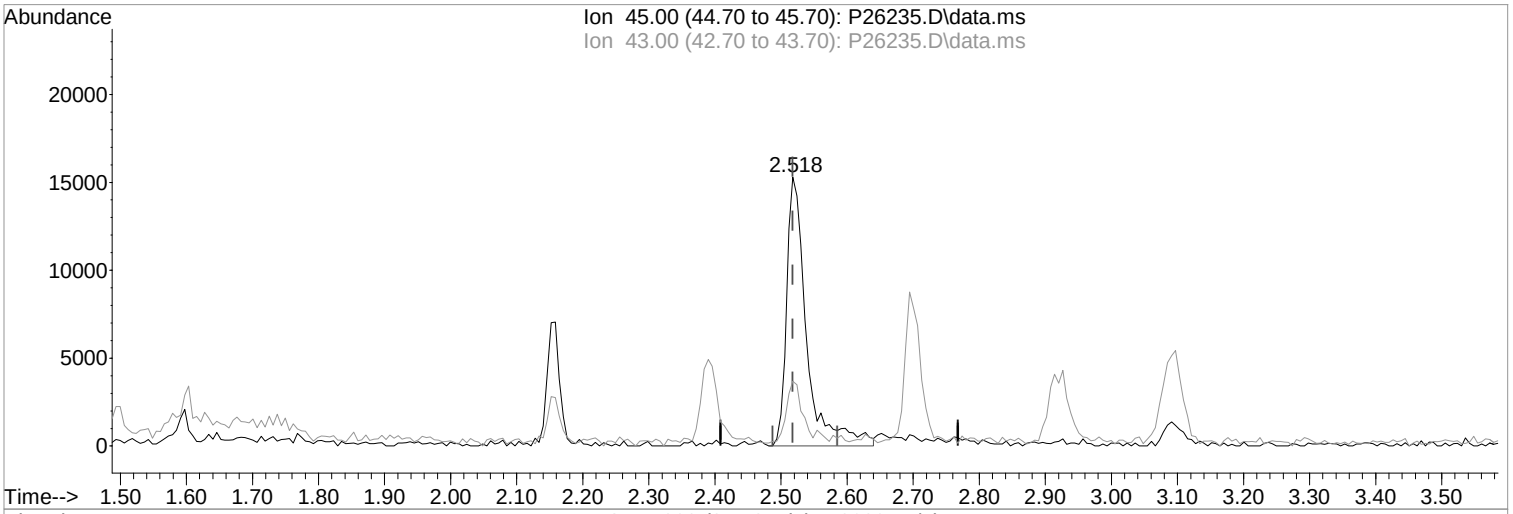
05/01/19

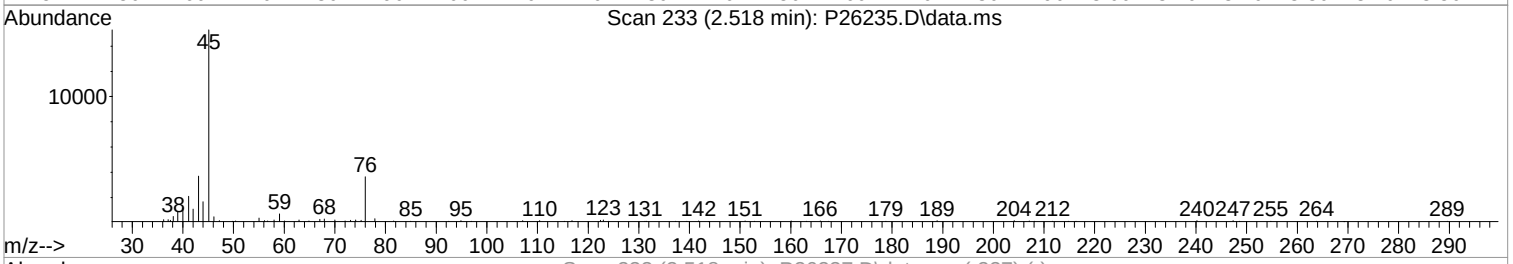
1st 05/01/19
2nd 05/02/19

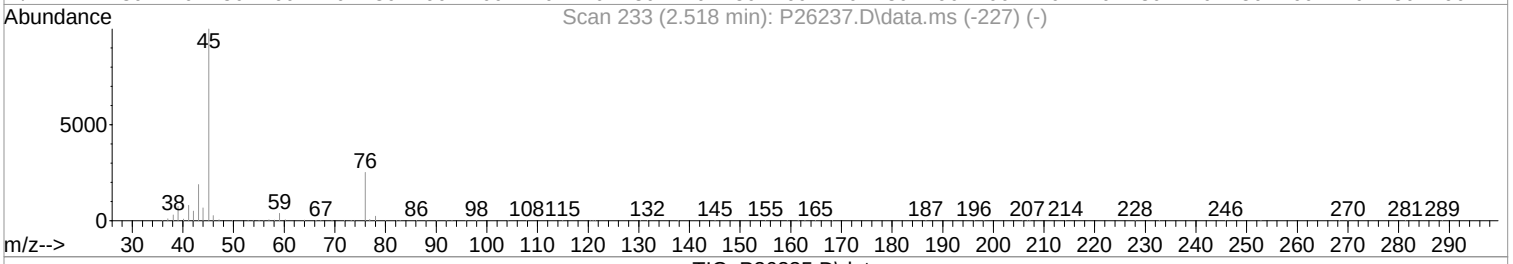
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26235.D
Acq On : 1 May 2019 1:52 pm
Operator : K.Ruest
Sample : 5.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 01 16:33:46 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26235.D\data.ms

(16) 2-Propanol

2.518min (+0.000) 93.43 ppb m

response 32416

Ion	Exp%	Act%
45.00	100	100
43.00	19.10	24.10
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

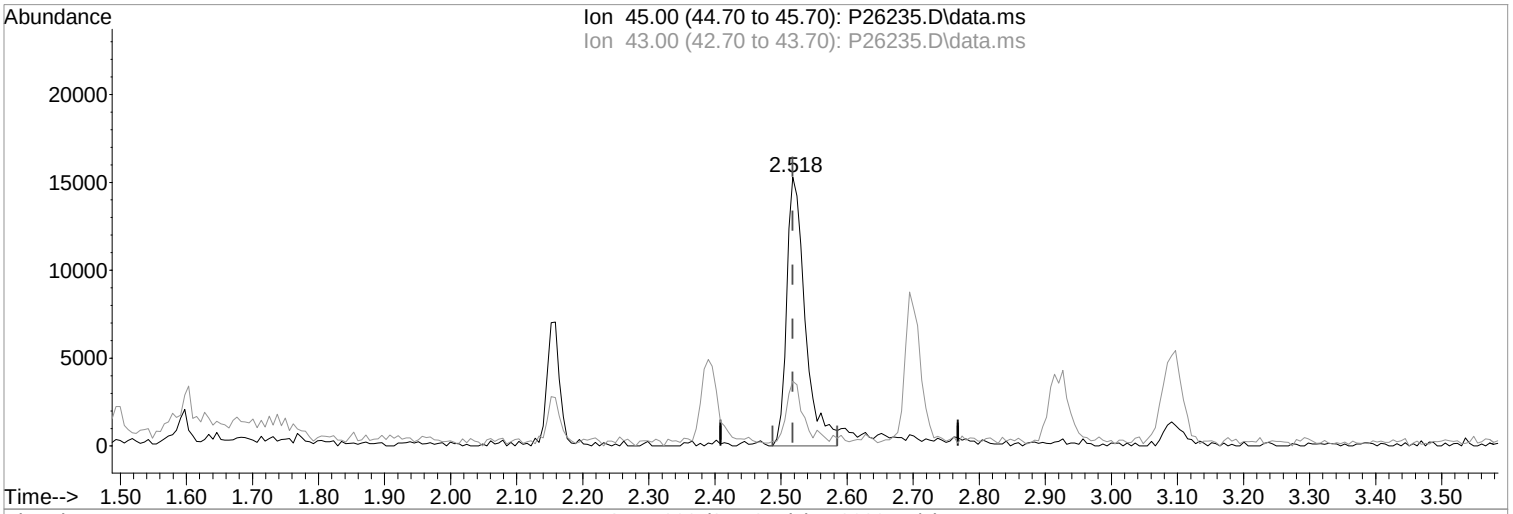
05/01/19

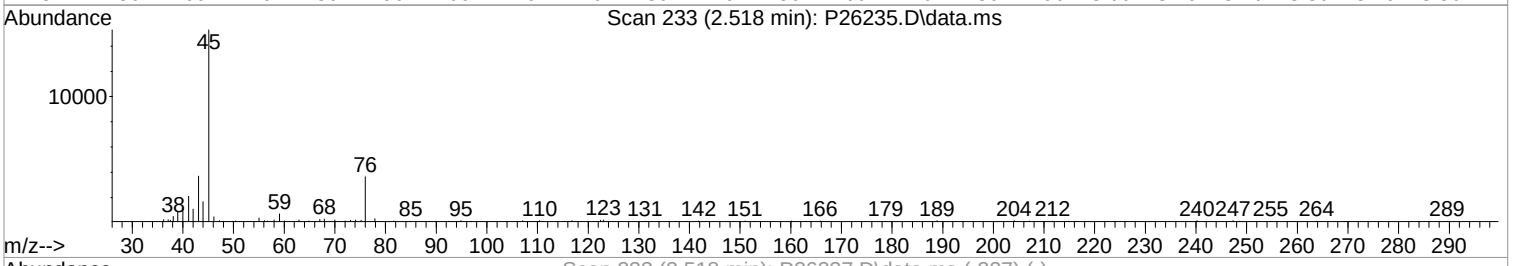
1st 05/01/19
2nd 05/02/19

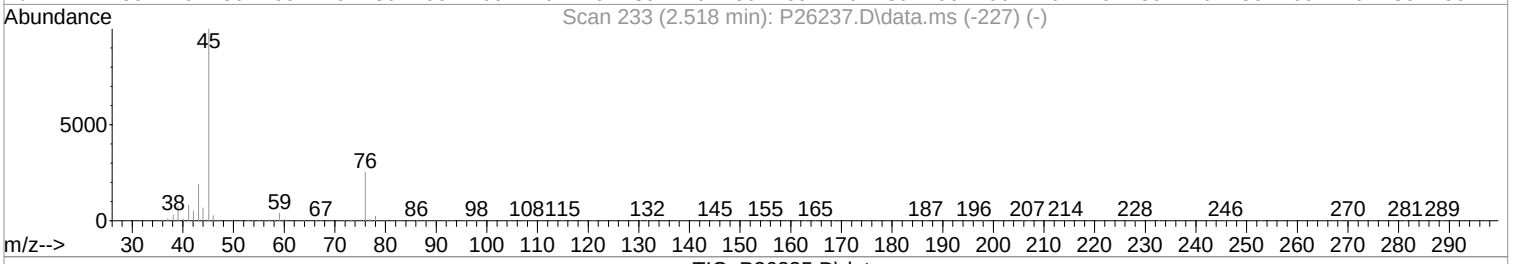
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26235.D
Acq On : 1 May 2019 1:52 pm
Operator : K.Ruest
Sample : 5.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 01 16:33:46 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26235.D\data.ms

(16) 2-Propanol

2.518min (+0.000) 86.72 ppb

response 30085

Ion	Exp%	Act%
45.00	100	100
43.00	19.10	24.10
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

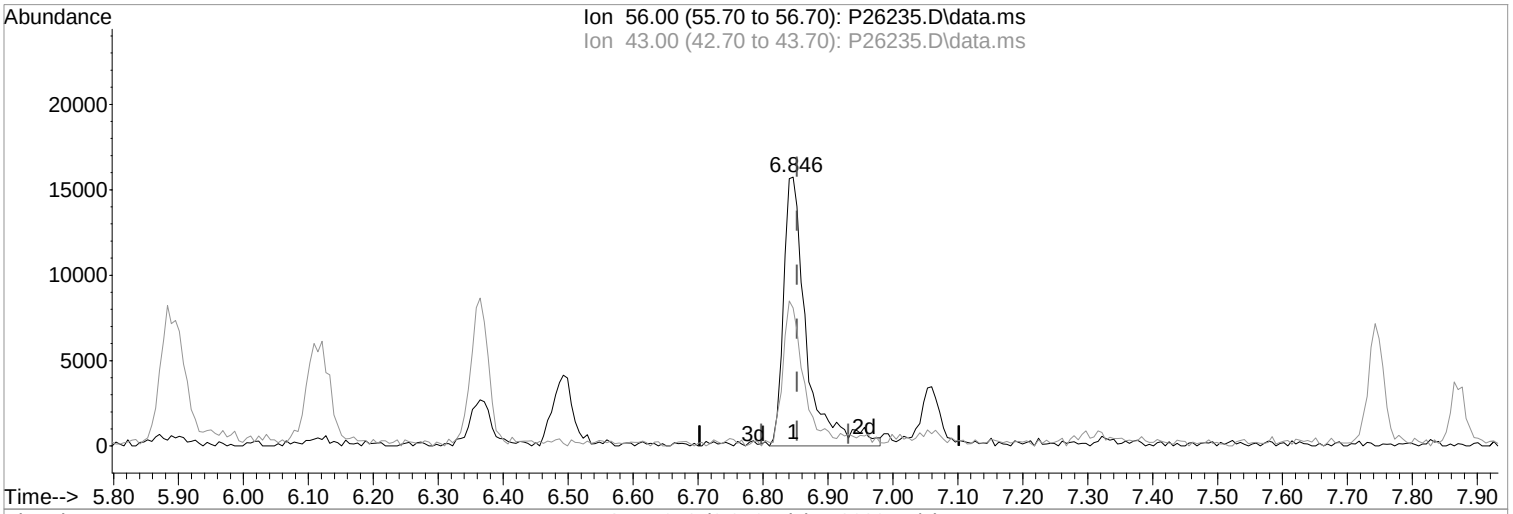
05/01/19

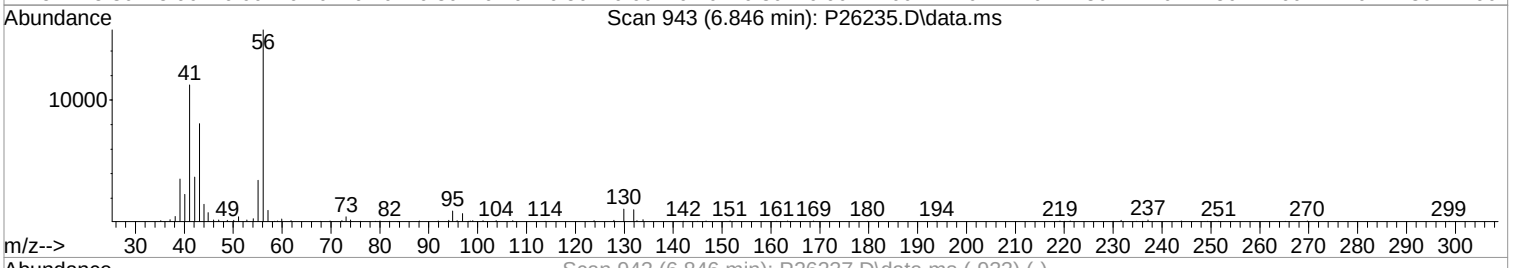
1st 05/01/19
2nd 05/02/19

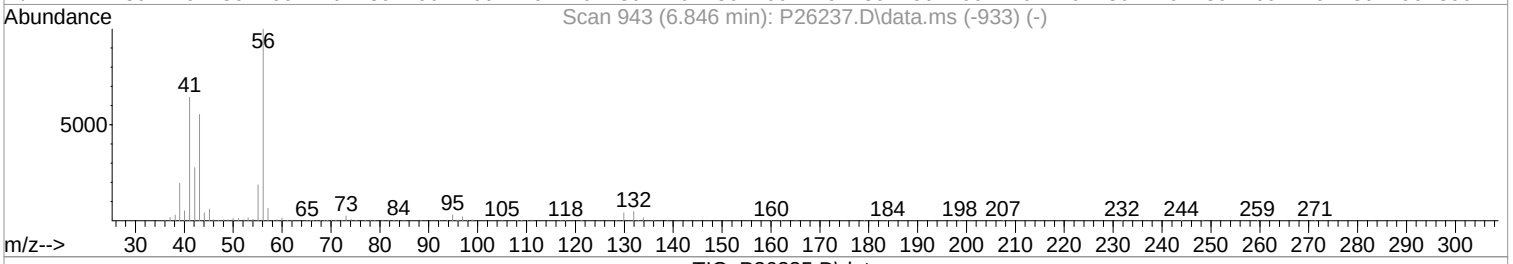
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26235.D
Acq On : 1 May 2019 1:52 pm
Operator : K.Ruest
Sample : 5.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 01 16:33:46 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26235.D\data.ms

(53) 1-Butanol

6.846min (-0.006) 211.94 ppb m

response 38909

Ion	Exp%	Act%
56.00	100	100
43.00	52.80	49.11
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

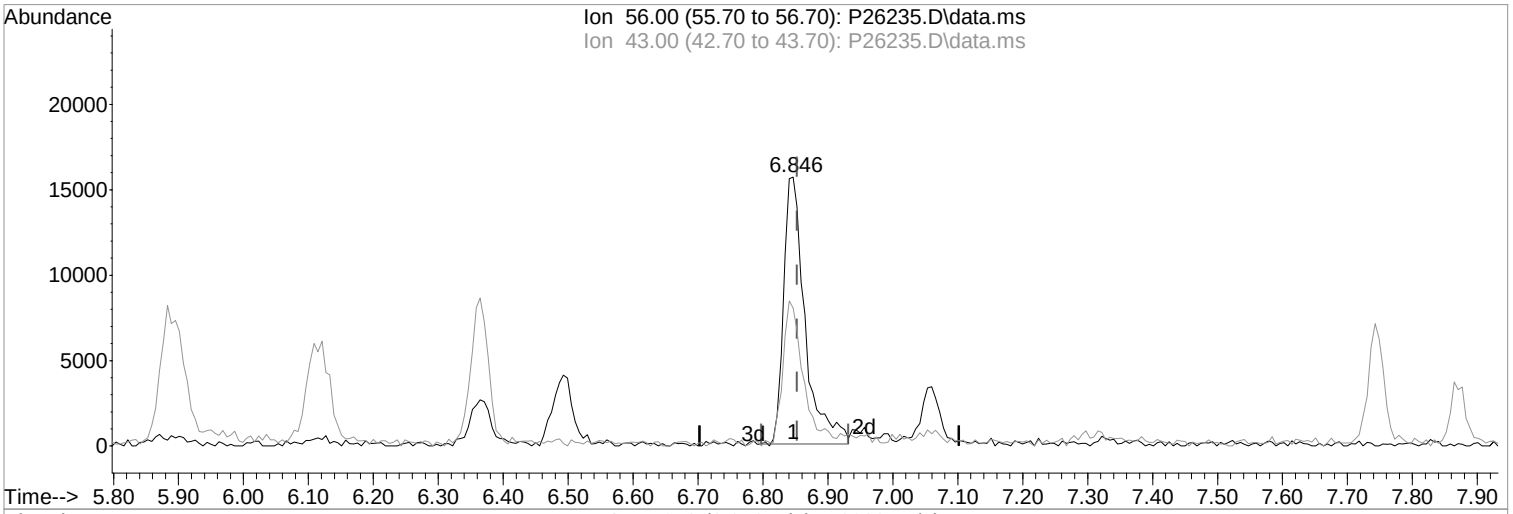
05/01/19

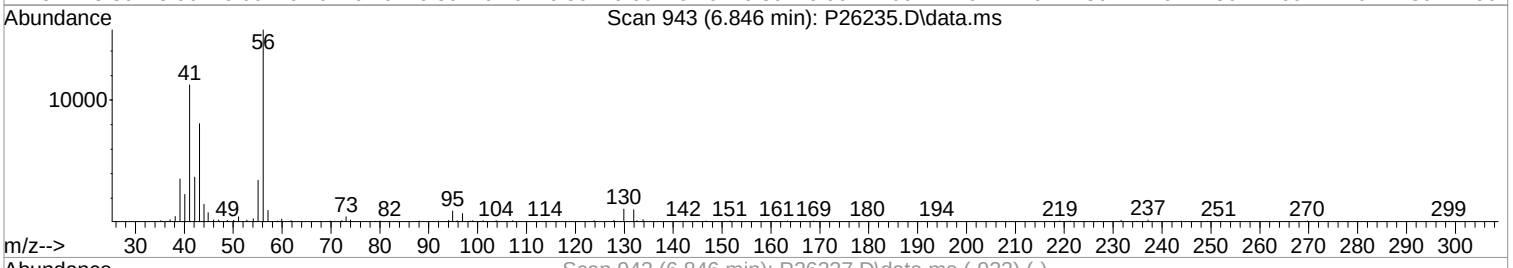
1st 05/01/19
2nd 05/02/19

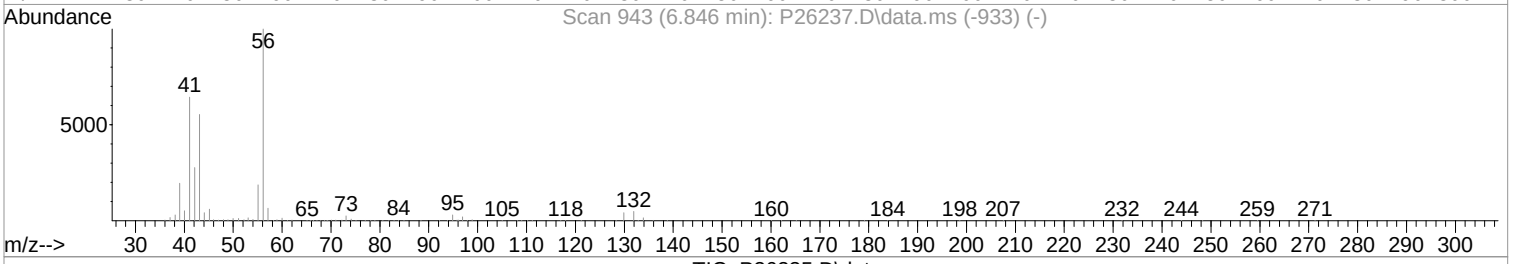
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26235.D
Acq On : 1 May 2019 1:52 pm
Operator : K.Ruest
Sample : 5.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 01 16:33:46 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26235.D\data.ms

(53) 1-Butanol

6.846min (-0.006) 196.01 ppb

response 35985

Ion	Exp%	Act%
56.00	100	100
43.00	52.80	53.11
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

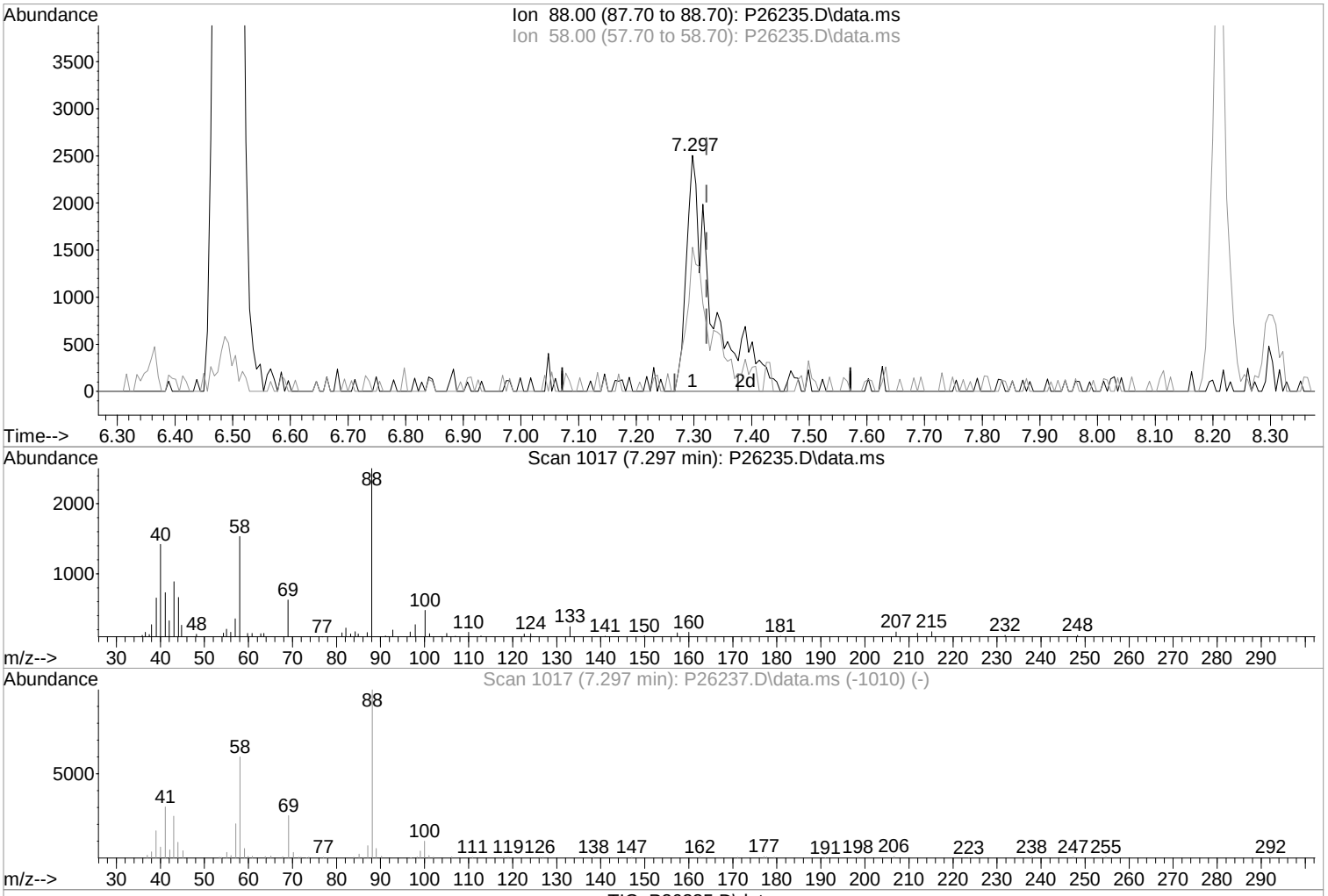
05/01/19

1st 05/01/19
2nd 05/02/19

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26235.D
Acq On : 1 May 2019 1:52 pm
Operator : K.Ruest
Sample : 5.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 01 16:33:46 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26235.D\data.ms

(58) 1,4-Dioxane

7.297min (-0.024) 98.60 ppb m

response 8056

Ion	Exp%	Act%
88.00	100	100
58.00	60.00	61.12
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Split Peak

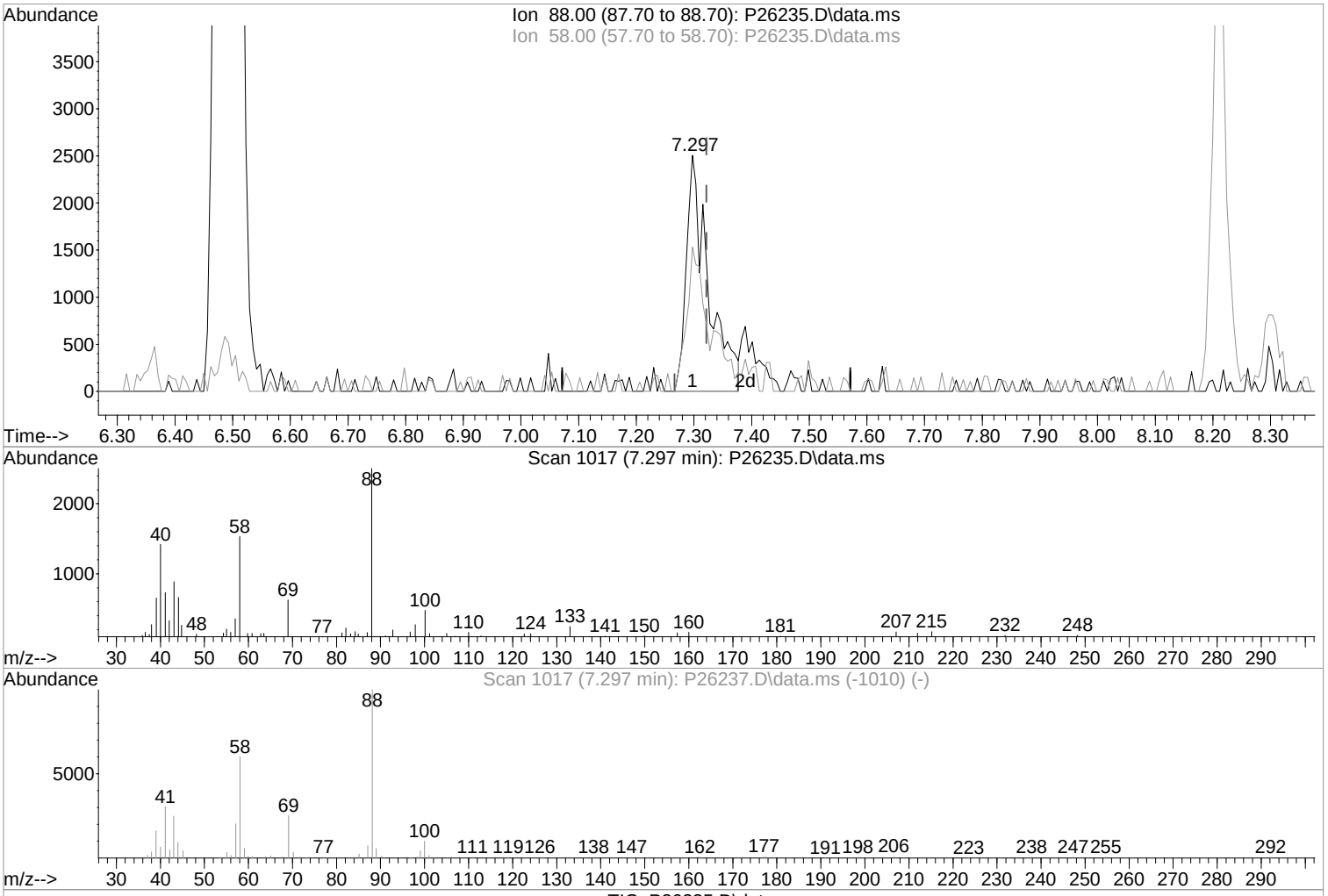
05/01/19

1st 05/01/19
2nd 05/02/19

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26235.D
Acq On : 1 May 2019 1:52 pm
Operator : K.Ruest
Sample : 5.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 01 16:33:46 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26235.D\data.ms

(58) 1,4-Dioxane

7.297min (-0.024) 81.42 ppb

response 6652

Ion	Exp%	Act%
88.00	100	100
58.00	60.00	61.12
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

05/01/19

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26235.D
Acq On : 1 May 2019 1:52 pm
Operator : K.Ruest
Sample : 5.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 01 17:40:49 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.414	168	334675	50.00	ppb		0.00
43) 1,4-Difluorobenzene	6.493	114	483344	50.00	ppb		0.00
71) d5-Chlorobenzene	9.791	117	422330	50.00	ppb		0.00
86) 1,4-Dichlorobenzene-d4	11.839	152	224759	50.00	ppb		0.00
System Monitoring Compounds							
45) surr4,Dibrflmethane	5.267	113	30718	11.05	ppb		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 22.10%#				
48) surr1,1,2-dichloroetha...	5.804	65	32787	10.81	ppb		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 21.62%#				
65) SURR3,Toluene-d8	8.303	98	131436	11.39	ppb		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 22.78%#				
70) SURR2,BFB	10.864	95	50687	11.24	ppb		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 22.48%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.219	85	13683	4.34	ppb		94
3) Chloromethane	1.347	50	13543	4.73	ppb		97
4) Vinyl Chloride	1.420	62	18006	5.12	ppb		97
5) Bromomethane	1.646	94	20449	5.82	ppb		98
6) Chloroethane	1.725	64	15166	5.24	ppb		98
7) Freon 21	1.872	67	25892	5.11	ppb		100
8) Trichlorofluoromethane	1.920	101	21639	4.95	ppb		97
9) Diethyl Ether	2.158	59	12609	4.97	ppb		92
10) Freon 123a	2.158	67	15211	4.89	ppb		93
11) Freon 123	2.207	83	18848	5.19	ppb		93
12) Acrolein	2.256	56	14406	23.92	ppb		97
13) 1,1-Diclethene	2.347	96	14134	5.08	ppb		96
14) Freon 113	2.347	101	12768	5.18	ppb		92
15) Acetone	2.390	43	8156m	6.07	ppb		
16) 2-Propanol	2.518	45	32416m	93.43	ppb		
17) Iodomethane	2.475	142	7643	2.47	ppb		86
18) Carbon Disulfide	2.536	76	34679	5.17	ppb		99
19) Acetonitrile	2.640	40	4513	28.87	ppb	#	65
20) Allyl Chloride	2.676	76	7293	5.01	ppb	#	87
21) Methyl Acetate	2.695	43	13973	4.82	ppb		96
22) Methylene Chloride	2.786	84	14527	4.66	ppb		95
23) TBA	2.920	59	59308	92.80	ppb		94
24) Acrylonitrile	3.042	53	38310	26.24	ppb		99
25) Methyl-t-Butyl Ether	3.097	73	52212	5.17	ppb		95
26) trans-1,2-Dichloroethene	3.091	96	14503	4.75	ppb	#	82
28) 1,1-Diclethane	3.579	63	25181	5.05	ppb		95
29) Vinyl Acetate	3.676	86	3195	5.13	ppb	#	74
30) DIPE	3.707	45	42001	5.38	ppb		90
31) 2-Chloro-1,3-Butadiene	3.701	53	18730	4.99	ppb		99
32) ETBE	4.231	59	44782	5.19	ppb		95
33) 2,2-Dichloropropane	4.402	77	24841	5.44	ppb		99
34) cis-1,2-Dichloroethene	4.414	96	18320	5.08	ppb		88
35) 2-Butanone	4.469	43	9967	5.39	ppb		97
36) Propionitrile	4.536	54	16272	24.64	ppb		91
37) Bromochloromethane	4.804	130	11805	4.88	ppb		90
38) Methacrylonitrile	4.804	67	8815	4.87	ppb	#	79
39) Tetrahydrofuran	4.895	42	7525	5.98	ppb		87
40) Chloroform	4.987	83	26931	5.09	ppb		94
41) 1,1,1-Trichloroethane	5.273	97	26112	5.29	ppb		91

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26235.D
Acq On : 1 May 2019 1:52 pm
Operator : K.Ruest
Sample : 5.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 01 17:40:49 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) TAME	6.109	73	46475	5.12	ppb		99
44) Cyclohexane	5.371	41	12772	4.90	ppb		83
46) Carbontetrachloride	5.548	117	21270	5.06	ppb		84
47) 1,1-Dichloropropene	5.566	75	20328	5.22	ppb		95
49) Benzene	5.883	78	62669	5.00	ppb		96
50) 1,2-Dichloroethane	5.914	62	21852	4.92	ppb		97
51) Iso-Butyl Alcohol	5.883	43	22704	84.35	ppb		90
52) n-Heptane	6.365	43	17061	5.12	ppb		85
53) 1-Butanol	6.846	56	38909m	211.94	ppb		
54) Trichloroethene	6.822	130	19304	4.96	ppb		93
55) Methylcyclohexane	7.054	55	17339	4.77	ppb		97
56) 1,2-Diclpropane	7.102	63	16234	5.41	ppb		97
57) Dibromomethane	7.236	93	10441	4.94	ppb		88
58) 1,4-Dioxane	7.297	88	8056m	98.60	ppb		
59) Methyl Methacrylate	7.328	69	15091	5.08	ppb	#	81
60) Bromodichloromethane	7.462	83	21362	5.13	ppb		100
61) 2-Nitropropane	7.742	41	10740	9.95	ppb		89
62) 2-Chloroethylvinyl Ether	7.870	63	10368	4.87	ppb		77
63) cis-1,3-Dichloropropene	8.005	75	27460	5.11	ppb		98
64) 4-Methyl-2-pentanone	8.212	43	17254	4.55	ppb		97
66) Toluene	8.376	91	71277	5.03	ppb		99
67) trans-1,3-Dichloropropene	8.645	75	23570	4.90	ppb		97
68) Ethyl Methacrylate	8.785	69	23753	4.61	ppb		96
69) 1,1,2-Trichloroethane	8.834	97	17385	5.12	ppb		91
72) Tetrachloroethene	8.968	164	15096	4.97	ppb		98
73) 2-Hexanone	9.120	43	13634	4.81	ppb		99
74) 1,3-Dichloropropane	8.998	76	27052	5.30	ppb		96
75) Dibromochloromethane	9.224	129	18055	4.88	ppb		91
76) N-Butyl Acetate	9.279	43	27053	5.00	ppb		86
77) 1,2-Dibromoethane	9.321	107	16298	4.78	ppb		92
78) Chlorobenzene	9.815	112	48052	5.18	ppb		99
79) 3-CBTF	9.833	180	26468	4.96	ppb		95
80) 4-CBTF	9.888	180	23727	4.91	ppb		92
81) 1,1,1,2-Tetrachloroethane	9.901	131	18125	5.03	ppb		93
82) Ethylbenzene	9.937	106	27046	5.39	ppb		92
83) (m+p)Xylene	10.047	106	61948	9.97	ppb	#	87
84) o-Xylene	10.407	106	32097	5.10	ppb		89
85) Styrene	10.419	104	49369	5.02	ppb		88
87) Bromoform	10.571	173	12153	4.66	ppb		97
88) 2-CBTF	10.650	180	26439	5.35	ppb	#	83
89) Isopropylbenzene	10.742	105	78831	5.58	ppb		94
90) Cyclohexanone	10.803	55	77172	109.41	ppb		99
91) trans-1,4-Dichloro-2-B...	11.047	53	6206	5.32	ppb		87
92) 1,1,2,2-Tetrachloroethane	10.998	83	23647	5.54	ppb		92
93) Bromobenzene	10.986	156	21770	5.11	ppb	#	88
94) 1,2,3-Trichloropropane	11.028	110	9246	5.77	ppb		95
95) n-Propylbenzene	11.095	91	85759	5.59	ppb		93
96) 2-Chlorotoluene	11.156	91	54552	5.72	ppb		92
97) 3-Chlorotoluene	11.211	91	49652	5.51	ppb		94
98) 4-Chlorotoluene	11.254	91	62206	5.71	ppb		99
99) 1,3,5-Trimethylbenzene	11.248	105	65065	5.48	ppb		96
100) tert-Butylbenzene	11.522	119	60101	5.54	ppb		94
101) 1,2,4-Trimethylbenzene	11.559	105	65900	5.58	ppb		94
102) 3,4-DCBTF	11.620	214	20264	4.80	ppb	#	91
103) sec-Butylbenzene	11.705	105	83292	5.49	ppb		95
104) p-Isopropyltoluene	11.827	119	69138	5.24	ppb		98

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26235.D
Acq On : 1 May 2019 1:52 pm
Operator : K.Ruest
Sample : 5.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 01 17:40:49 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration

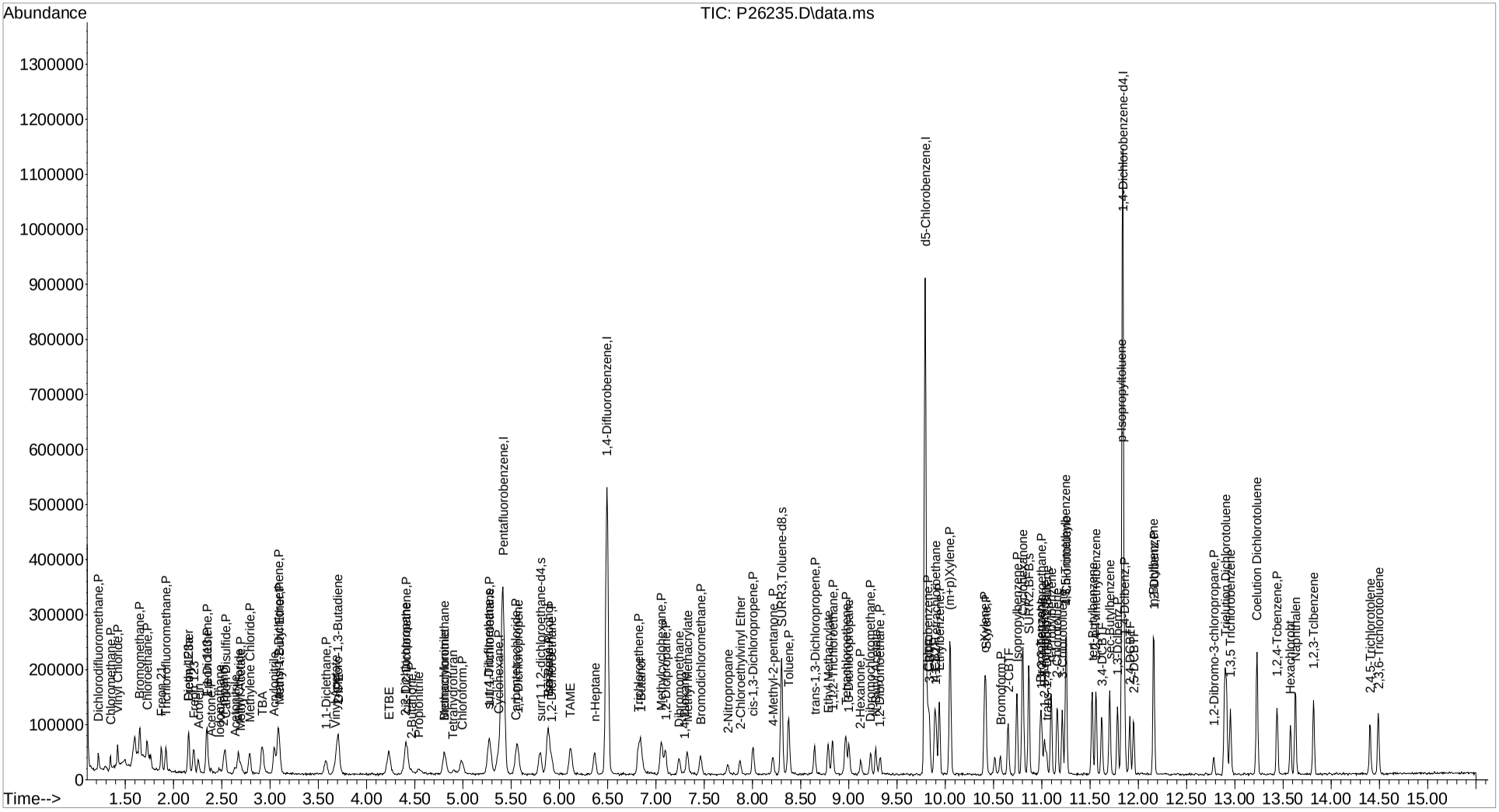
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
105) 1,3-Dclbenz	11.784	146	39757	5.22	ppb	94
106) 1,4-Dclbenz	11.857	146	41468	5.33	ppb	97
107) 2,4-DCBTF	11.912	214	18125	4.77	ppb	96
108) 2,5-DCBTF	11.955	214	20270	4.80	ppb	95
109) n-Butylbenzene	12.156	91	57917	5.27	ppb	94
110) 1,2-Dclbenz	12.162	146	40134	5.29	ppb	91
111) 1,2-Dibromo-3-chloropr...	12.784	157	7172	4.73	ppb	92
112) Trielution Dichlorotol...	12.900	125	100816	15.83	ppb	91
113) 1,3,5 Trichlorobenzene	12.955	180	29057	4.82	ppb	91
114) Coelution Dichlorotoluene	13.229	125	75108	10.57	ppb	97
115) 1,2,4-Tcbenzene	13.436	180	30218	4.78	ppb	94
116) Hexachlorobt	13.577	225	13161	4.82	ppb	86
117) Naphthalen	13.625	128	94474	5.16	ppb	99
118) 1,2,3-Tclbenzene	13.814	180	33462	5.00	ppb	95
119) 2,4,5-Trichlorotolene	14.400	159	18953	4.67	ppb	99
120) 2,3,6-Trichlorotoluene	14.491	159	21798	4.58	ppb	96

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26235.D
Acq On : 1 May 2019 1:52 pm
Operator : K.Ruest
Sample : 5.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 01 17:40:49 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration

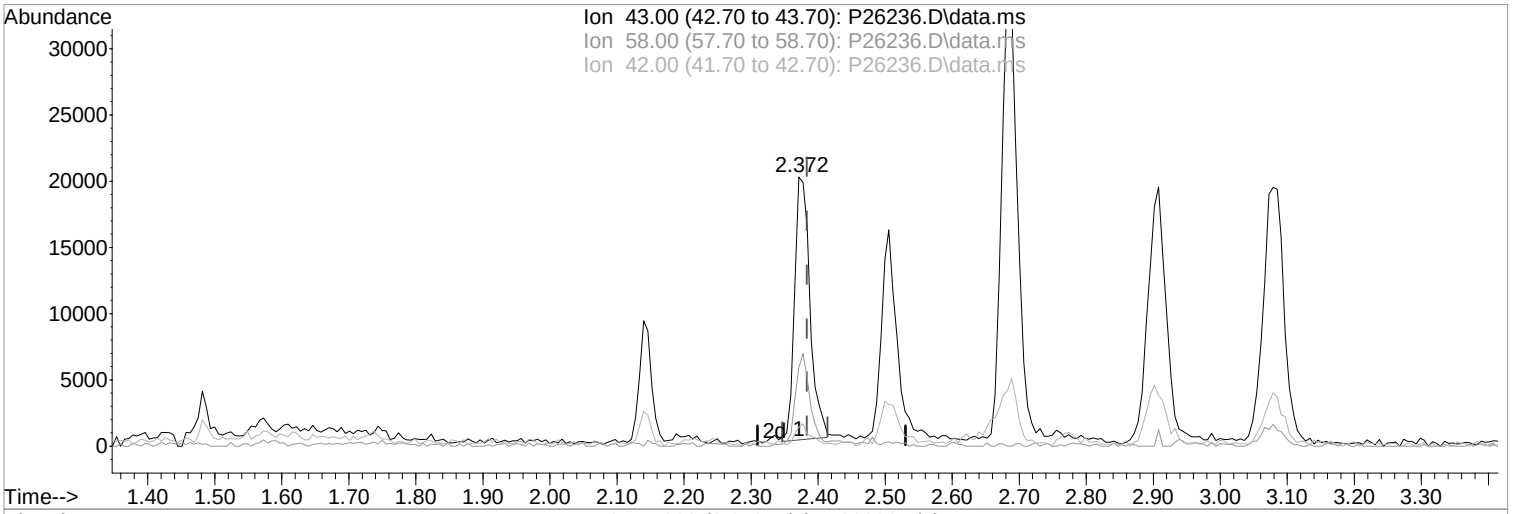


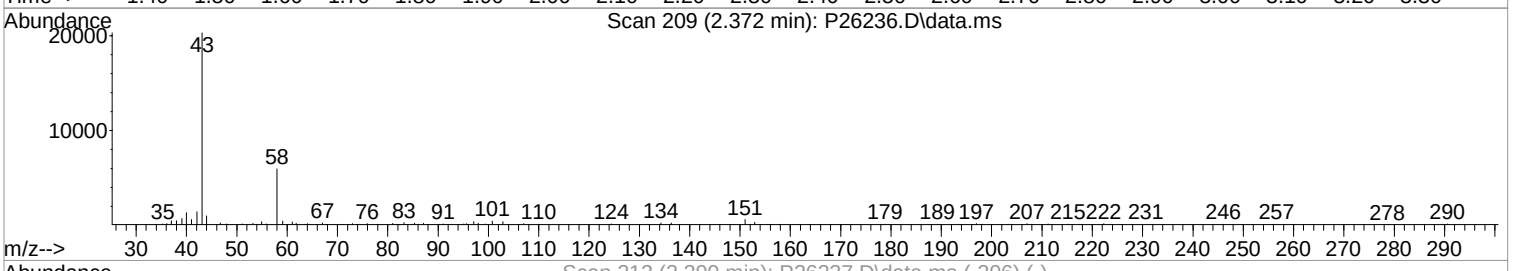
1st 05/01/19
2nd 05/02/19

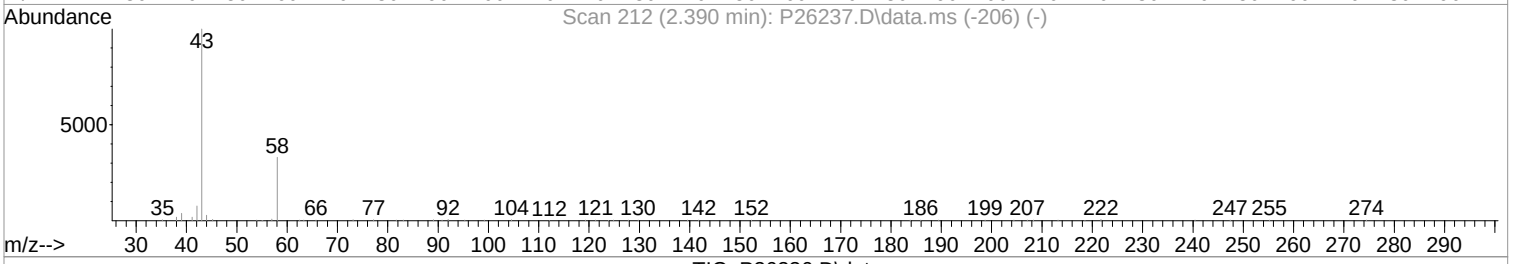
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26236.D
Acq On : 1 May 2019 2:14 pm
Operator : K.Ruest
Sample : 20ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 01 16:33:49 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26236.D\data.ms

(15) Acetone (P)

2.372min (-0.012) 23.66 ppb m

response 31687

Ion	Exp%	Act%
43.00	100	100
58.00	33.10	29.24
42.00	8.30	7.11
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

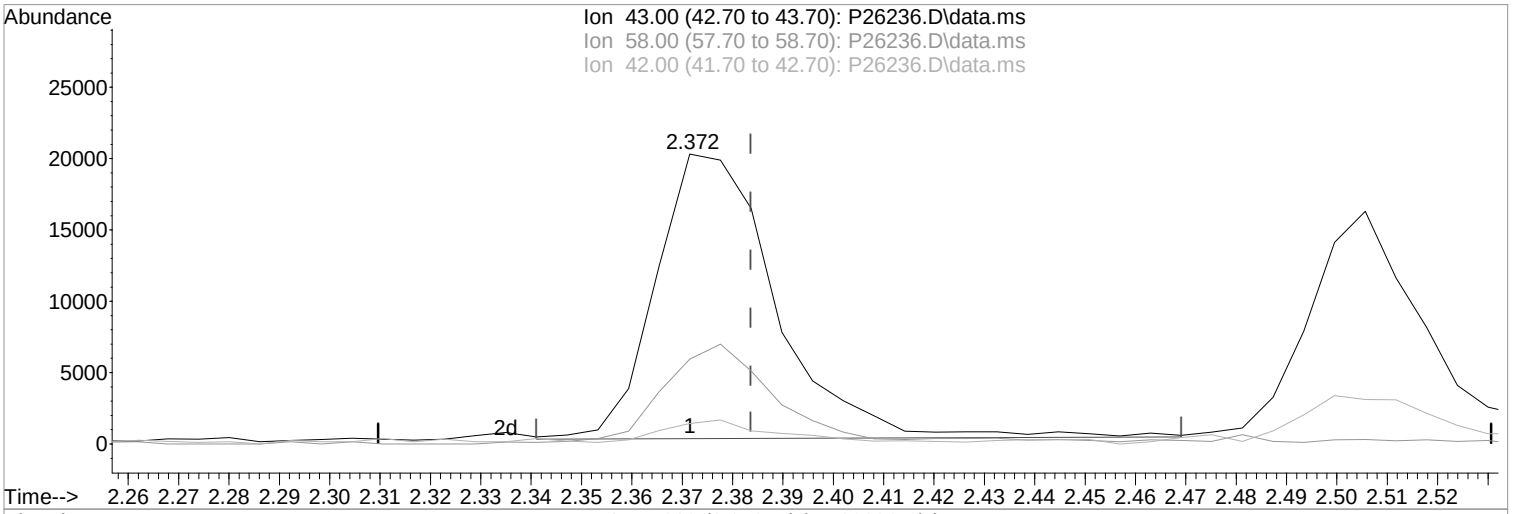
05/01/19

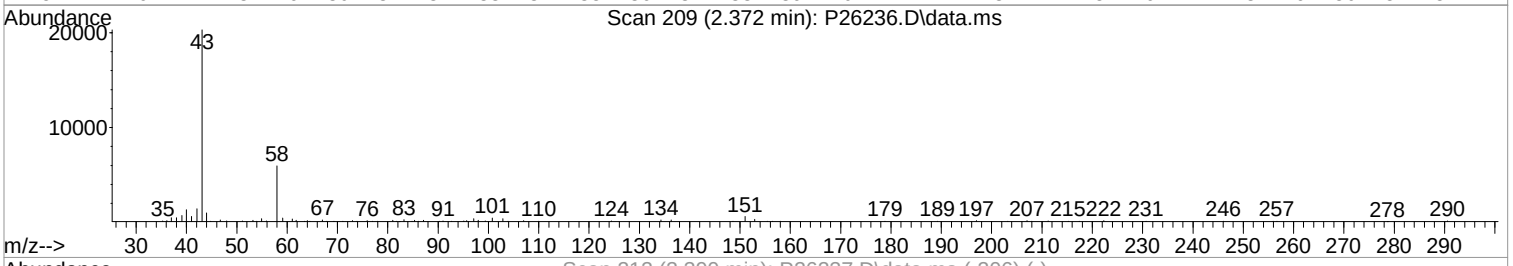
1st 05/01/19
2nd 05/02/19

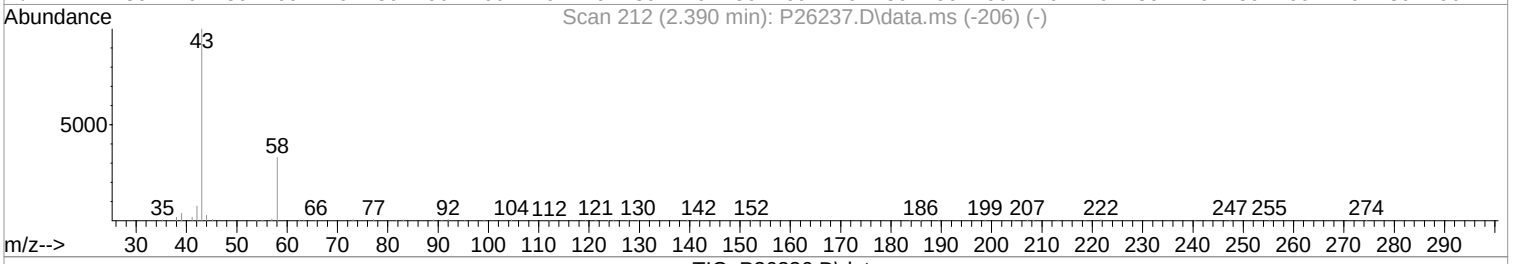
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26236.D
Acq On : 1 May 2019 2:14 pm
Operator : K.Ruest
Sample : 20ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 01 16:33:49 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26236.D\data.ms

(15) Acetone (P)

2.372min (-0.012) 24.86 ppb

response 33295

Ion	Exp%	Act%
43.00	100	100
58.00	33.10	29.24
42.00	8.30	7.11
0.00	0.00	0.00

Manual Integration:

Before

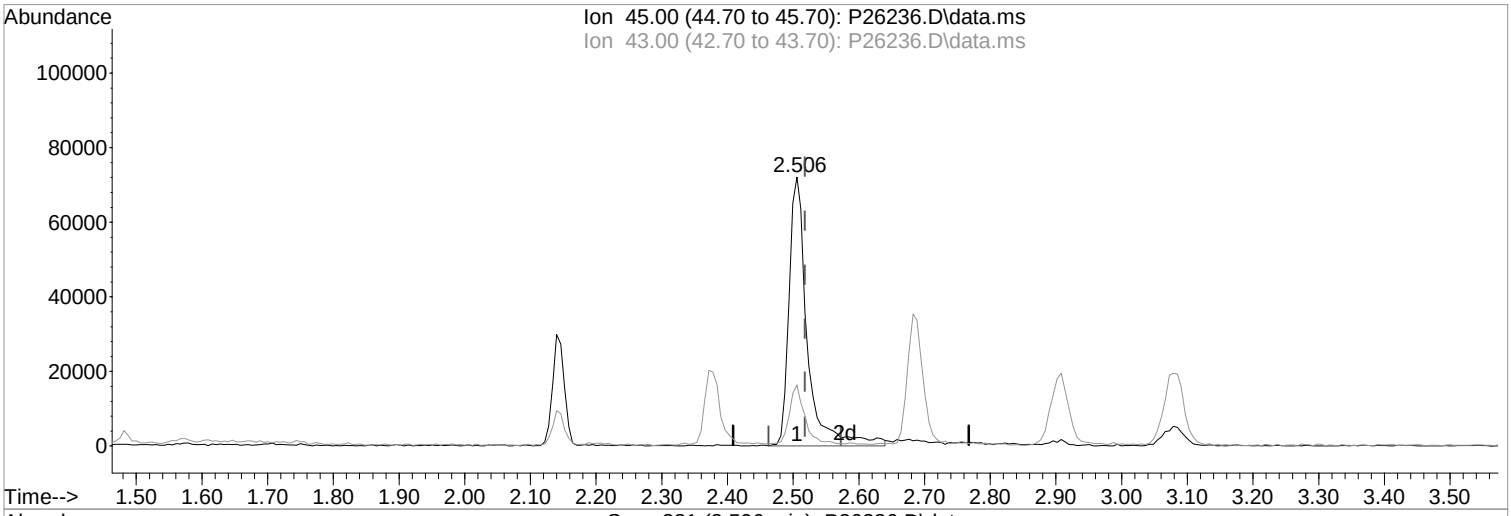
05/01/19

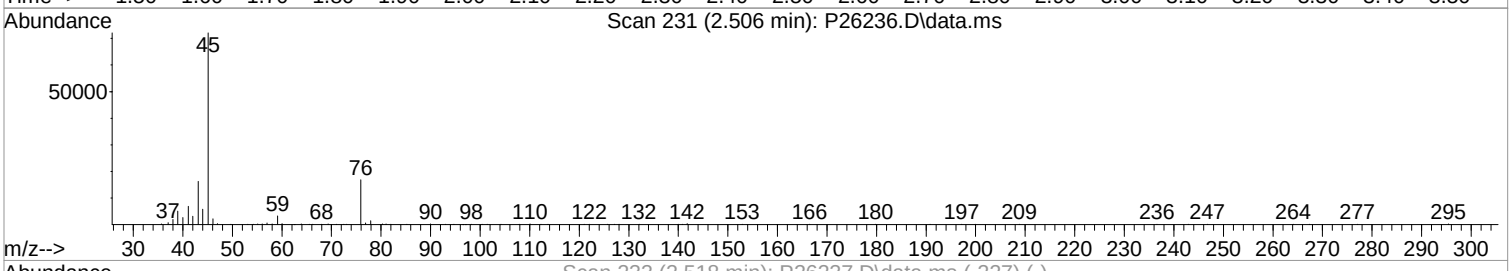
1st 05/01/19
2nd 05/02/19

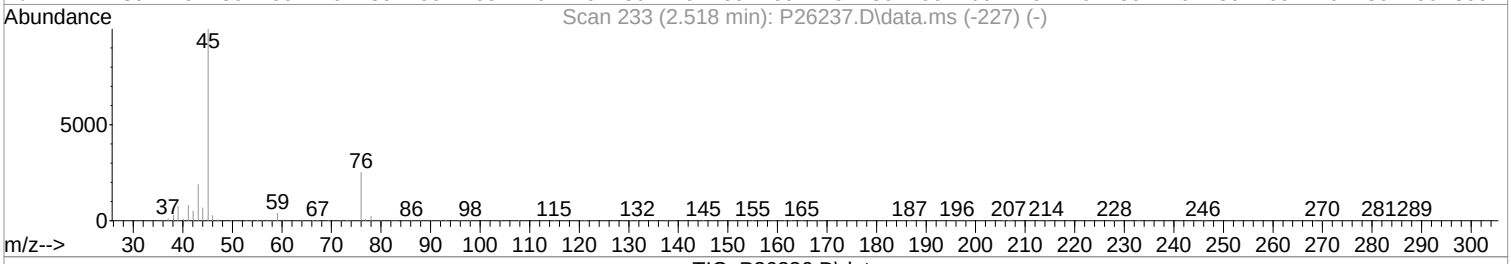
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26236.D
Acq On : 1 May 2019 2:14 pm
Operator : K.Ruest
Sample : 20ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 01 16:33:49 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26236.D\data.ms

(16) 2-Propanol

2.506min (-0.012) 405.00 ppb m

response 140122

Ion	Exp%	Act%
45.00	100	100
43.00	19.10	22.61
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

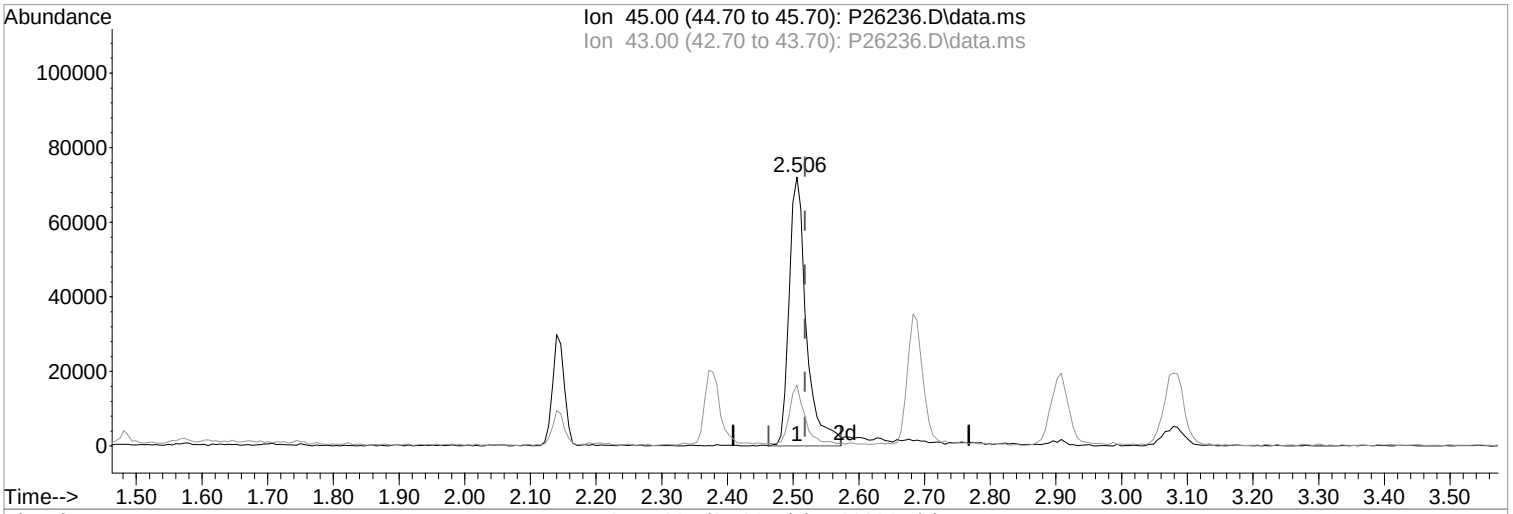
05/01/19

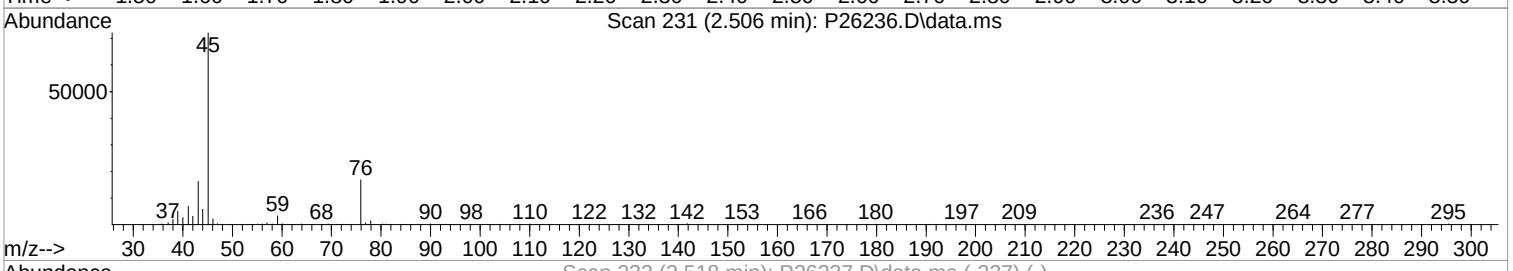
1st 05/01/19
2nd 05/02/19

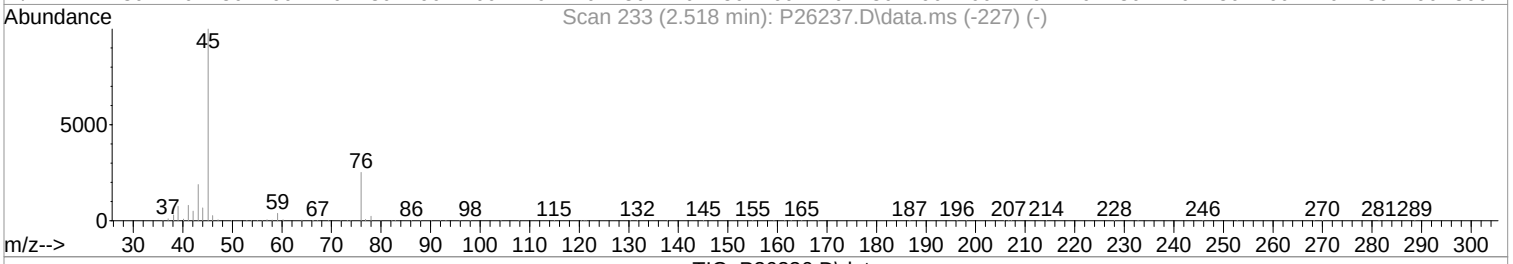
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26236.D
Acq On : 1 May 2019 2:14 pm
Operator : K.Ruest
Sample : 20ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 01 16:33:49 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26236.D\data.ms

(16) 2-Propanol

2.506min (-0.012) 381.12 ppb

response 131858

Ion	Exp%	Act%
45.00	100	100
43.00	19.10	22.61
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

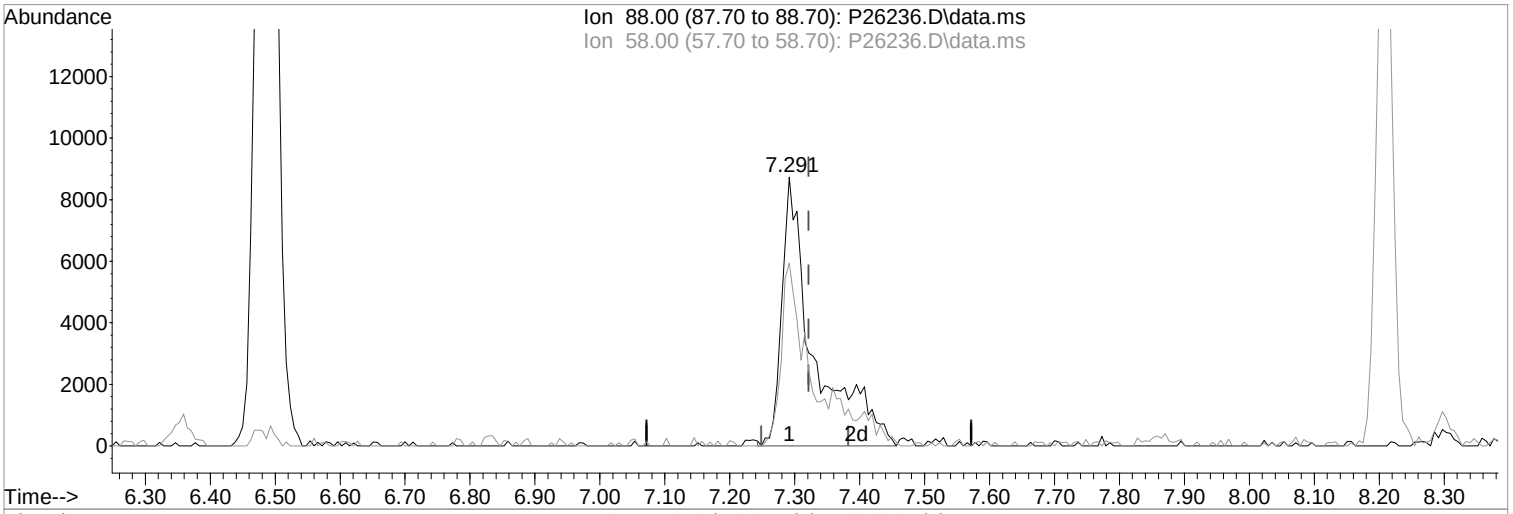
05/01/19

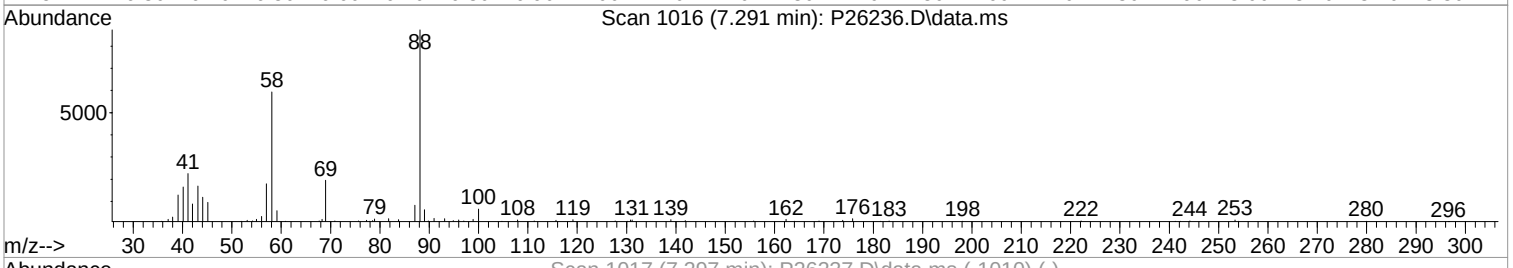
1st 05/01/19
2nd 05/02/19

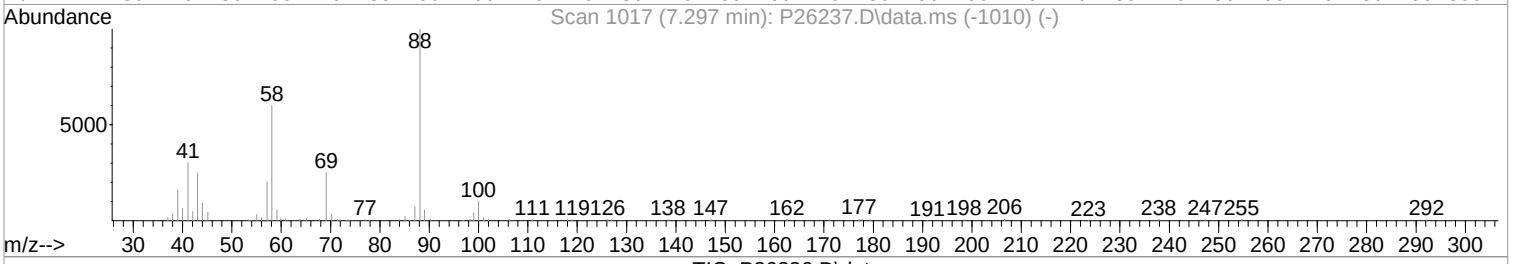
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26236.D
Acq On : 1 May 2019 2:14 pm
Operator : K.Ruest
Sample : 20ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 01 16:33:49 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26236.D\data.ms

(58) 1,4-Dioxane

7.291min (-0.030) 369.35 ppb m

response 30152

Ion	Exp%	Act%
88.00	100	100
58.00	60.00	67.98
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

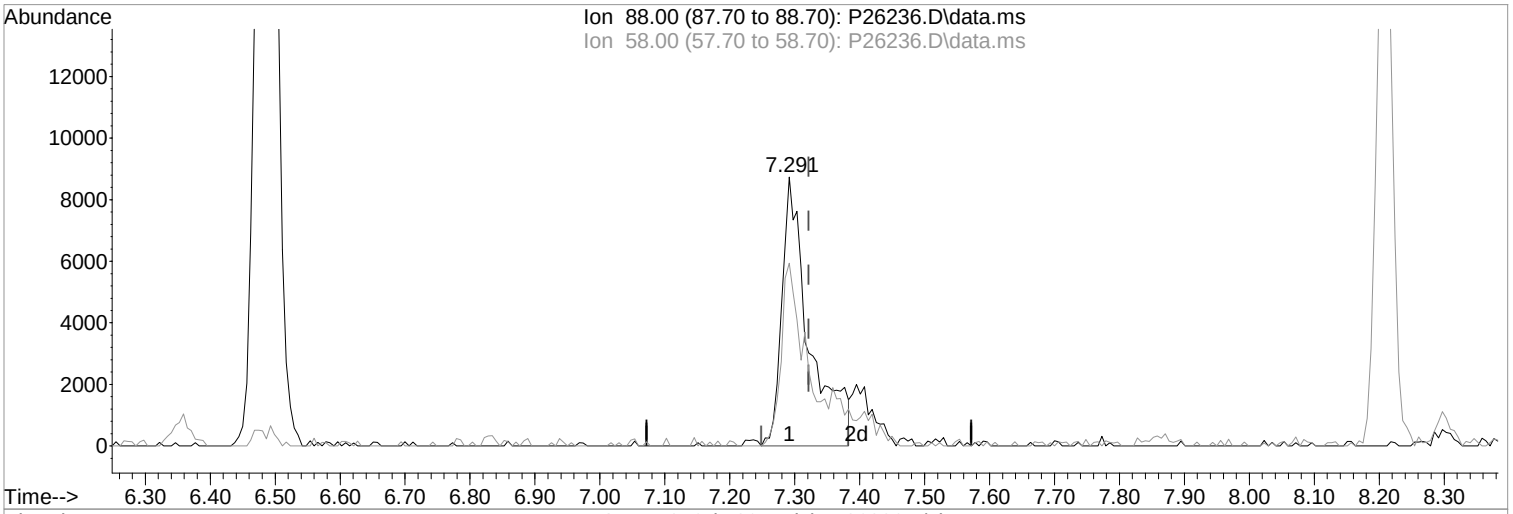
05/01/19

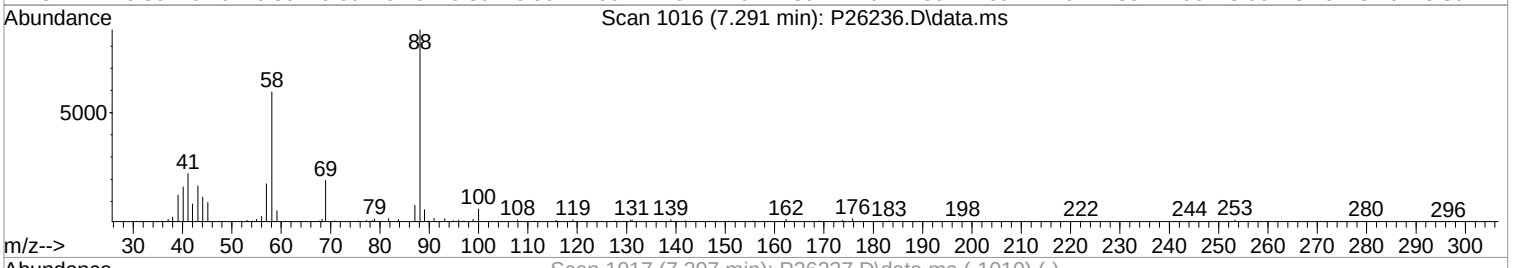
1st 05/01/19
2nd 05/02/19

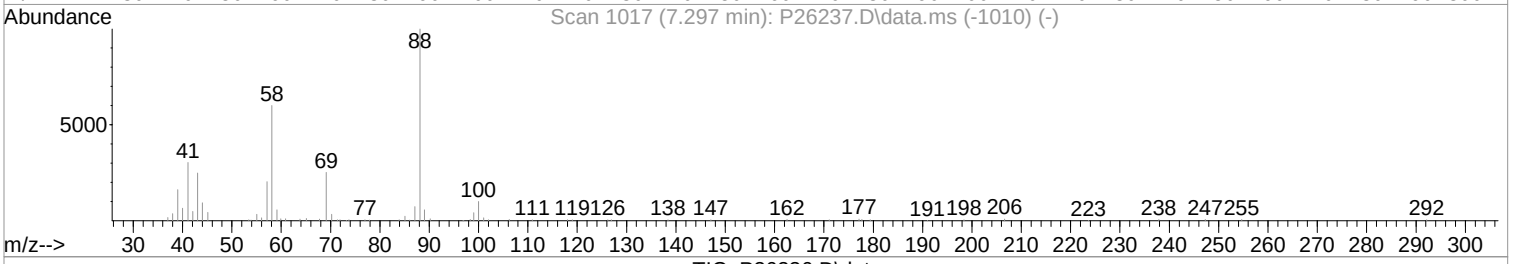
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26236.D
Acq On : 1 May 2019 2:14 pm
Operator : K.Ruest
Sample : 20ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 01 16:33:49 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26236.D\data.ms

(58) 1,4-Dioxane

7.291min (-0.030) 314.35 ppb

response 25662

Ion	Exp%	Act%
88.00	100	100
58.00	60.00	67.98
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

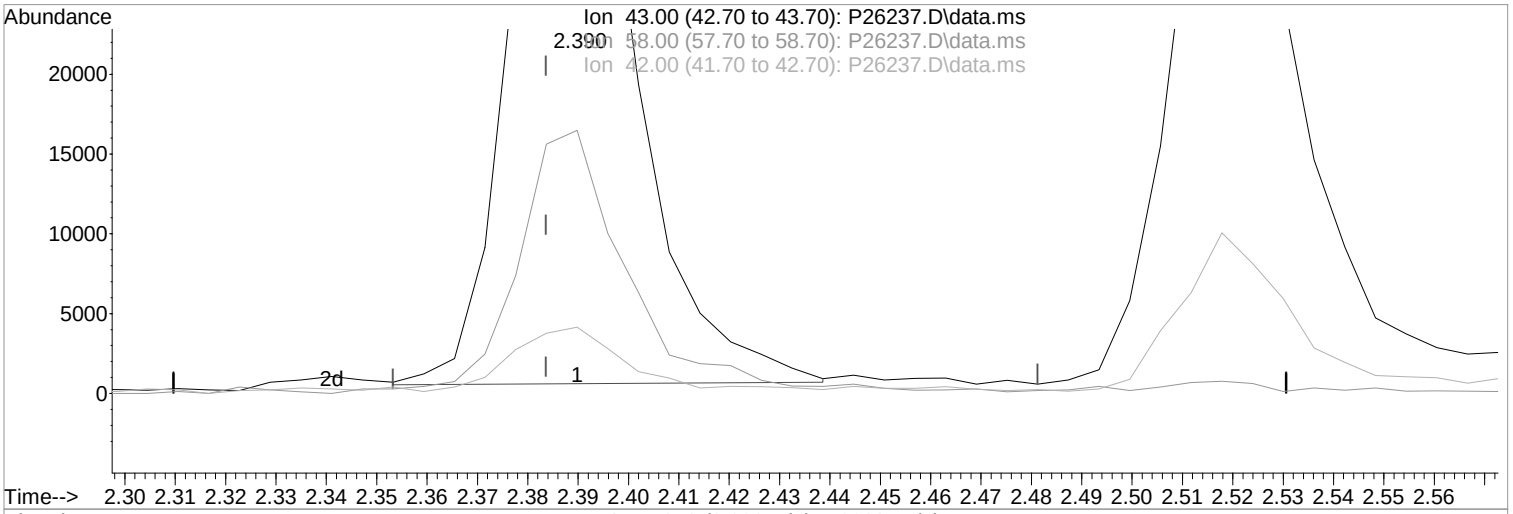
Before

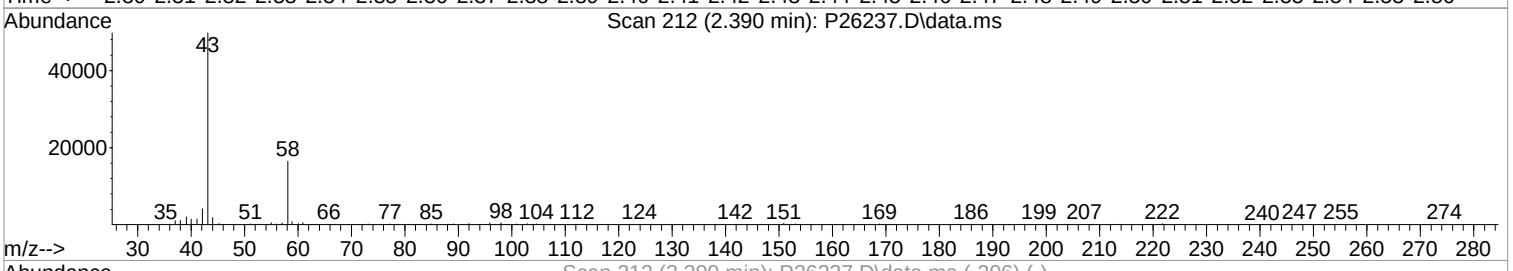
05/01/19

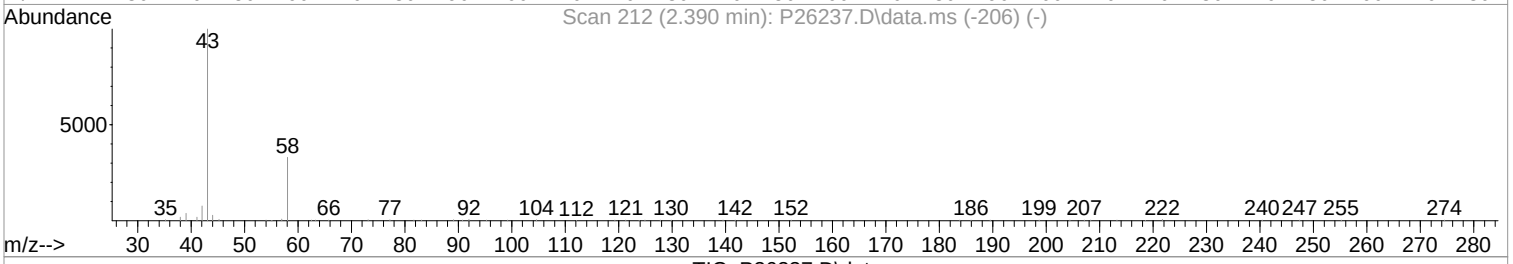
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26237.D
Acq On : 1 May 2019 2:36 pm
Operator : K.Ruest
Sample : 50ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 01 16:33:52 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26237.D\data.ms

(15) Acetone (P)

2.390min (+0.006) 52.16 ppb m

response 74155

Ion	Exp%	Act%
43.00	100	100
58.00	33.10	33.10
42.00	8.30	8.35
0.00	0.00	0.00

Manual Integration:

After

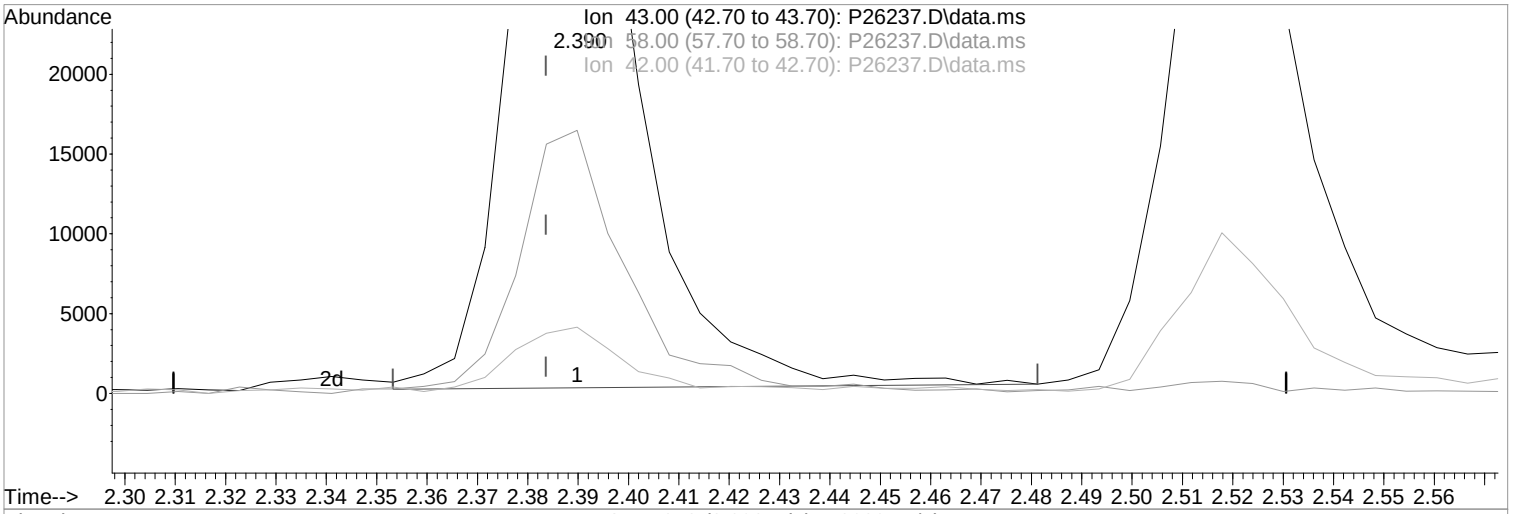
Poor integration.

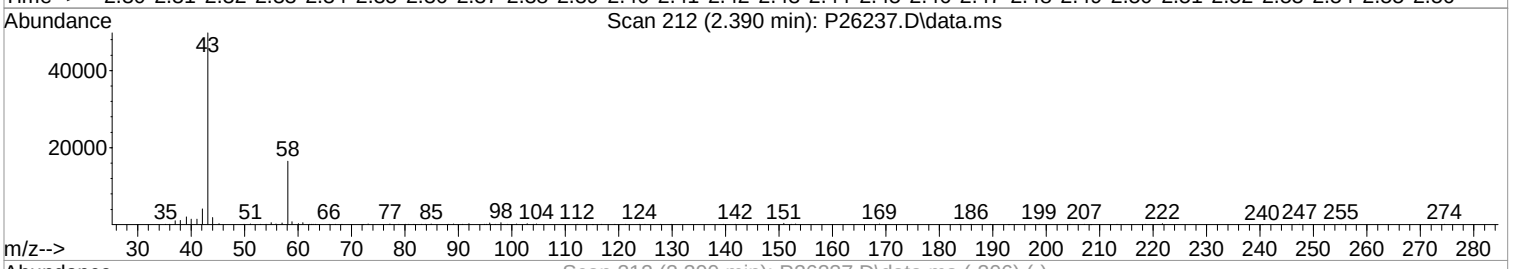
05/01/19

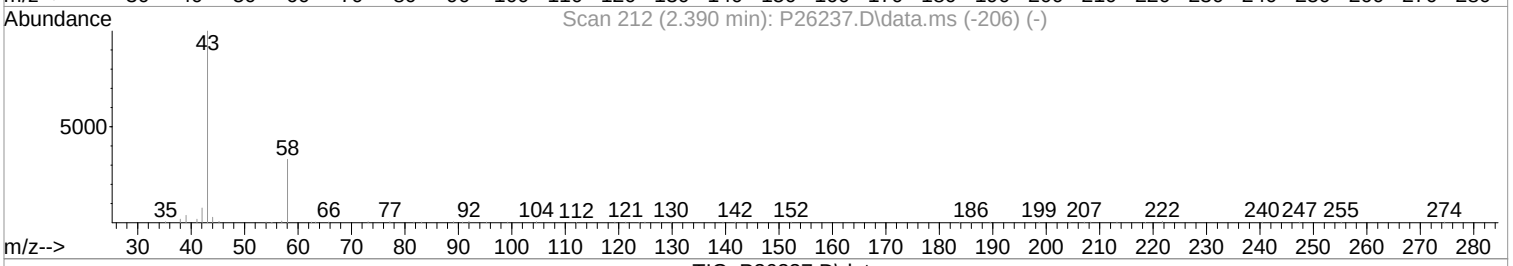
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26237.D
Acq On : 1 May 2019 2:36 pm
Operator : K.Ruest
Sample : 50ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 01 16:33:52 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26237.D\data.ms

(15) Acetone (P)

2.390min (+0.006) 53.63 ppb

response 76244

Ion	Exp%	Act%
43.00	100	100
58.00	33.10	33.10
42.00	8.30	8.35
0.00	0.00	0.00

Manual Integration:

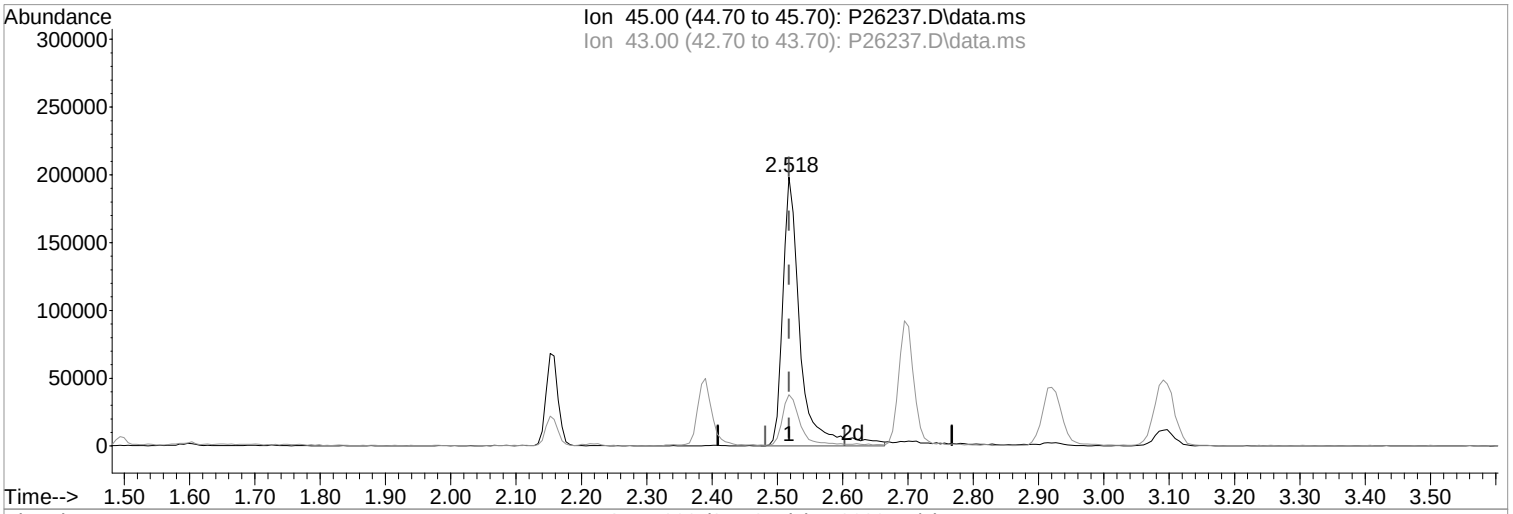
Before

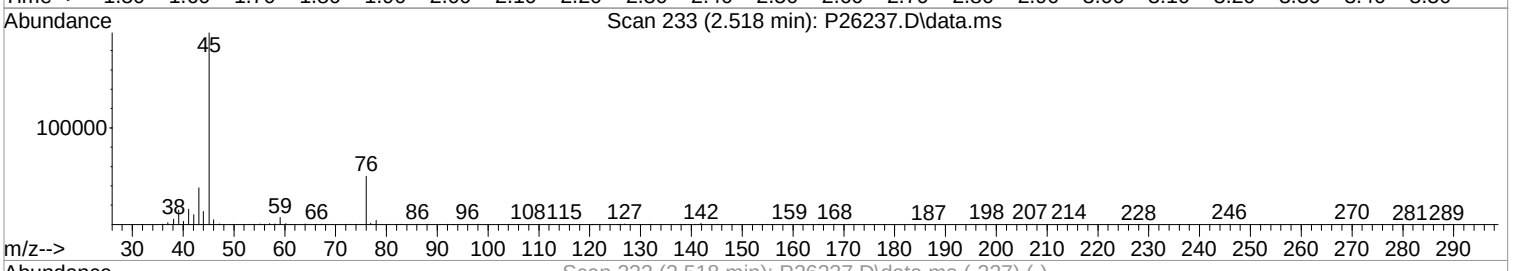
05/01/19

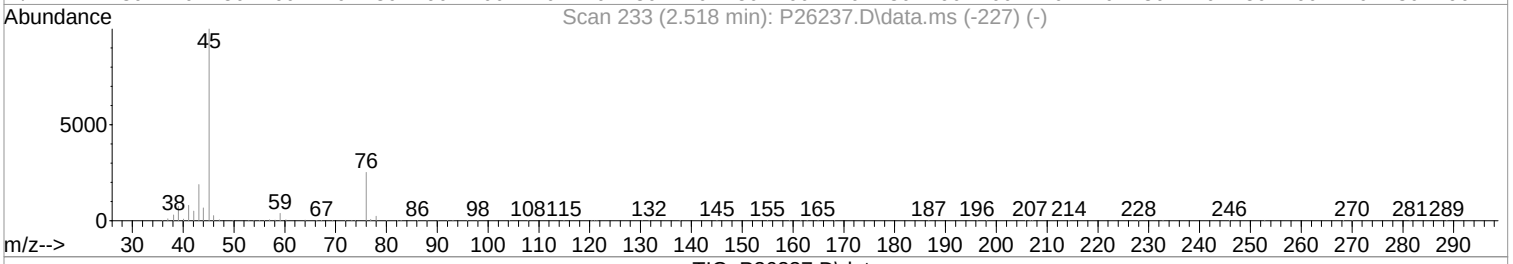
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26237.D
Acq On : 1 May 2019 2:36 pm
Operator : K.Ruest
Sample : 50ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 01 16:33:52 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26237.D\data.ms

(16) 2-Propanol

2.518min (+0.000) 1001.51 ppb m

response 367862

Ion	Exp%	Act%
45.00	100	100
43.00	19.10	19.15
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

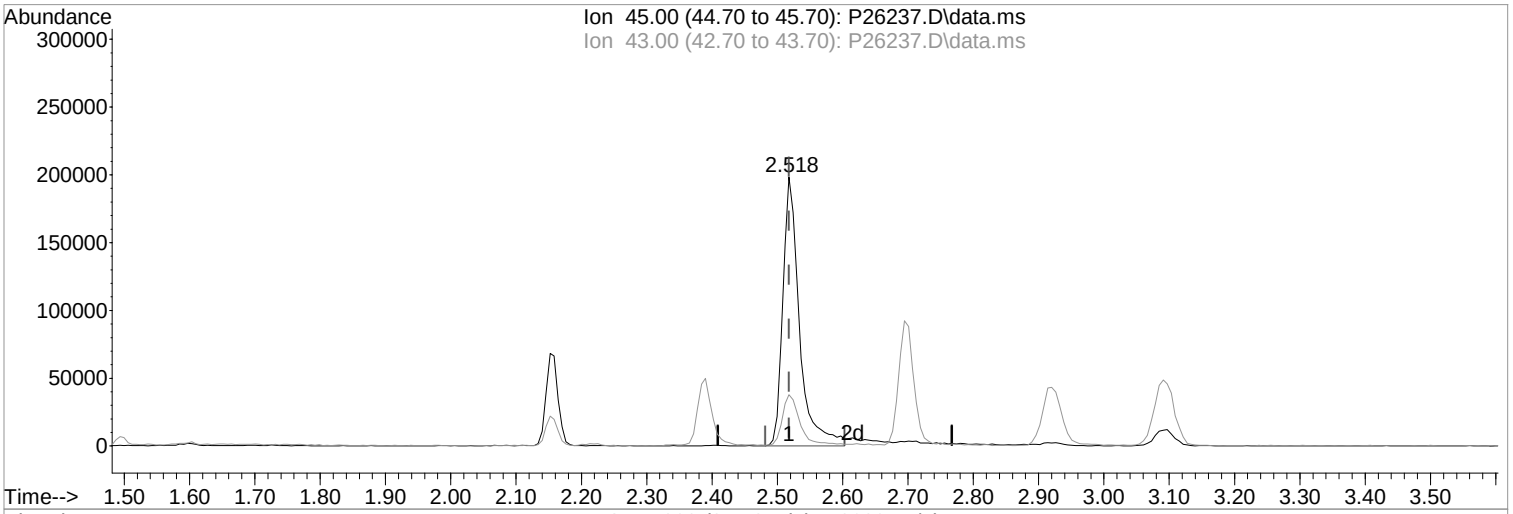
Poor integration.

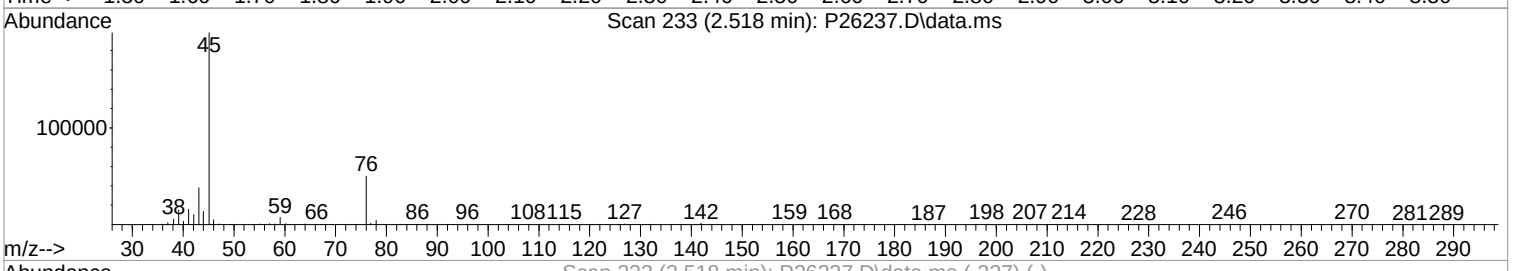
05/01/19

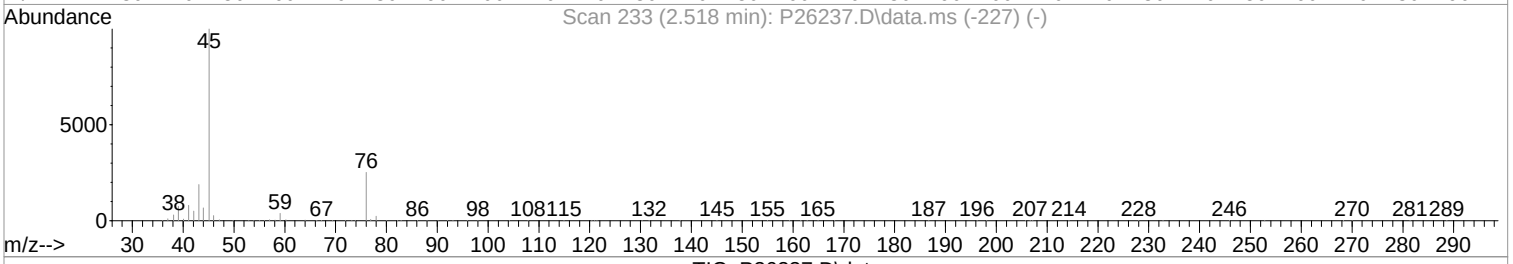
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26237.D
Acq On : 1 May 2019 2:36 pm
Operator : K.Ruest
Sample : 50ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 01 16:33:52 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26237.D\data.ms

(16) 2-Propanol

2.518min (+0.000) 957.97 ppb

response 351871

Ion	Exp%	Act%
45.00	100	100
43.00	19.10	19.15
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

05/01/19

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26237.D
Acq On : 1 May 2019 2:36 pm
Operator : K.Ruest
Sample : 50ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 01 17:48:01 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.414	168	354323	50.00	ppb	0.00
43) 1,4-Difluorobenzene	6.493	114	498990	50.00	ppb	0.00
71) d5-Chlorobenzene	9.791	117	469254	50.00	ppb	0.00
86) 1,4-Dichlorobenzene-d4	11.839	152	300936	50.00	ppb	0.00
System Monitoring Compounds						
45) surr4,Dibrflmethane	5.267	113	144520	50.38	ppb	0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 100.76%			
48) surr1,1,2-dichloroetha...	5.798	65	164940	52.70	ppb	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 105.40%			
65) SURR3,Toluene-d8	8.303	98	606611	50.93	ppb	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 101.86%			
70) SURR2,BFB	10.864	95	248957	53.49	ppb	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 106.98%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.219	85	177695	53.25	ppb	100
3) Chloromethane	1.347	50	149706	49.40	ppb	100
4) Vinyl Chloride	1.420	62	187452	50.33	ppb	100
5) Bromomethane	1.646	94	165070	44.37	ppb	100
6) Chloroethane	1.725	64	142198	46.42	ppb	100
7) Freon 21	1.872	67	264085	49.19	ppb	100
8) Trichlorofluoromethane	1.920	101	234110	50.55	ppb	100
9) Diethyl Ether	2.158	59	126601	47.17	ppb	100
10) Freon 123a	2.158	67	162268	49.30	ppb	100
11) Freon 123	2.207	83	194977	50.72	ppb	100
12) Acrolein	2.256	56	162785	255.31	ppb	100
13) 1,1-Diclethene	2.341	96	139055	47.20	ppb	100
14) Freon 113	2.347	101	130696	50.10	ppb	100
15) Acetone	2.390	43	74155m	52.16	ppb	
16) 2-Propanol	2.518	45	367862m	1001.51	ppb	
17) Iodomethane	2.475	142	186337	56.83	ppb	100
18) Carbon Disulfide	2.536	76	368937	51.98	ppb	100
19) Acetonitrile	2.634	40	59127	357.31	ppb	100
20) Allyl Chloride	2.676	76	65983	42.81	ppb	100
21) Methyl Acetate	2.695	43	146835	47.88	ppb	100
22) Methylene Chloride	2.786	84	152312	46.15	ppb	100
23) TBA	2.920	59	672348	993.70	ppb	100
24) Acrylonitrile	3.042	53	397367	257.09	ppb	100
25) Methyl-t-Butyl Ether	3.091	73	537448	50.22	ppb	100
26) trans-1,2-Dichloroethene	3.079	96	154273	47.76	ppb	100
28) 1,1-Diclethane	3.579	63	271584	51.42	ppb	100
29) Vinyl Acetate	3.664	86	36735	55.67	ppb	100
30) DIPE	3.707	45	423008	51.14	ppb	100
31) 2-Chloro-1,3-Butadiene	3.701	53	201200	50.62	ppb	100
32) ETBE	4.231	59	468542	51.33	ppb	100
33) 2,2-Dichloropropane	4.408	77	250249	51.77	ppb	100
34) cis-1,2-Dichloroethene	4.414	96	179974	47.15	ppb	100
35) 2-Butanone	4.456	43	104888	53.54	ppb	100
36) Propionitrile	4.536	54	174917	250.22	ppb	100
37) Bromochloromethane	4.804	130	126701	49.46	ppb	100
38) Methacrylonitrile	4.804	67	93165	48.60	ppb	100
39) Tetrahydrofuran	4.902	42	69139	51.89	ppb	100
40) Chloroform	4.987	83	277264	49.46	ppb	100
41) 1,1,1-Trichloroethane	5.279	97	262895	50.32	ppb	100

1st 05/01/19
2nd 05/02/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26237.D
Acq On : 1 May 2019 2:36 pm
Operator : K.Ruest
Sample : 50ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 01 17:48:01 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42)	TAME	6.115	73	492483	51.28	ppb	100
44)	Cyclohexane	5.365	41	135276	50.31	ppb	100
46)	Carbontetrachloride	5.554	117	226927	52.31	ppb	100
47)	1,1-Dichloropropene	5.566	75	205187	51.08	ppb	100
49)	Benzene	5.877	78	647447	50.07	ppb	100
50)	1,2-Dichloroethane	5.914	62	230286	50.24	ppb	100
51)	Iso-Butyl Alcohol	5.889	43	276739	995.93	ppb	100
52)	n-Heptane	6.365	43	168896	49.12	ppb	100
53)	1-Butanol	6.846	56	481621	2541.15	ppb	100
54)	Trichloroethene	6.822	130	198419	49.38	ppb	100
55)	Methylcyclohexane	7.054	55	194220	51.75	ppb	100
56)	1,2-Diclpropane	7.096	63	157928	50.93	ppb	100
57)	Dibromomethane	7.236	93	109933	50.35	ppb	100
58)	1,4-Dioxane	7.297	88	77355	917.08	ppb	100
59)	Methyl Methacrylate	7.322	69	155675	50.81	ppb	100
60)	Bromodichloromethane	7.462	83	215536	50.09	ppb	100
61)	2-Nitropropane	7.742	41	124175	111.46	ppb	100
62)	2-Chloroethylvinyl Ether	7.870	63	117019	53.19	ppb	100
63)	cis-1,3-Dichloropropene	8.005	75	277214	49.92	ppb	100
64)	4-Methyl-2-pentanone	8.212	43	199405	50.92	ppb	100
66)	Toluene	8.376	91	746368	51.04	ppb	100
67)	trans-1,3-Dichloropropene	8.645	75	257836	51.97	ppb	100
68)	Ethyl Methacrylate	8.785	69	272364	51.15	ppb	100
69)	1,1,2-Trichloroethane	8.828	97	176345	50.31	ppb	100
72)	Tetrachloroethene	8.968	164	163383	48.43	ppb	100
73)	2-Hexanone	9.120	43	159320	50.55	ppb	100
74)	1,3-Dichloropropane	8.998	76	281997	49.71	ppb	100
75)	Dibromochloromethane	9.224	129	197467	48.02	ppb	100
76)	N-Butyl Acetate	9.279	43	304972	50.74	ppb	100
77)	1,2-Dibromoethane	9.321	107	185675	49.02	ppb	100
78)	Chlorobenzene	9.815	112	509827	49.42	ppb	100
79)	3-CBTF	9.833	180	293797	49.59	ppb	100
80)	4-CBTF	9.888	180	258975	48.19	ppb	100
81)	1,1,1,2-Tetrachloroethane	9.907	131	189082	47.24	ppb	100
82)	Ethylbenzene	9.937	106	272049	48.78	ppb	100
83)	(m+p)Xylene	10.053	106	700373	101.42	ppb	100
84)	o-Xylene	10.407	106	356059	50.93	ppb	100
85)	Styrene	10.419	104	584229	53.47	ppb	100
87)	Bromoform	10.571	173	167907	48.11	ppb	100
88)	2-CBTF	10.650	180	307147	46.39	ppb	100
89)	Isopropylbenzene	10.742	105	871867	46.06	ppb	100
90)	Cyclohexanone	10.803	55	848318	898.28	ppb	100
91)	trans-1,4-Dichloro-2-B...	11.047	53	66292	42.44	ppb	100
92)	1,1,2,2-Tetrachloroethane	10.998	83	254668	44.53	ppb	100
93)	Bromobenzene	10.986	156	264373	46.33	ppb	100
94)	1,2,3-Trichloropropane	11.028	110	96986	45.18	ppb	100
95)	n-Propylbenzene	11.095	91	959506	46.75	ppb	100
96)	2-Chlorotoluene	11.162	91	592282	46.40	ppb	100
97)	3-Chlorotoluene	11.211	91	578592	47.97	ppb	100
98)	4-Chlorotoluene	11.254	91	702912	48.16	ppb	100
99)	1,3,5-Trimethylbenzene	11.248	105	760516	47.83	ppb	100
100)	tert-Butylbenzene	11.522	119	712650	49.06	ppb	100
101)	1,2,4-Trimethylbenzene	11.559	105	760086	48.07	ppb	100
102)	3,4-DCBTF	11.626	214	280755	49.72	ppb	100
103)	sec-Butylbenzene	11.705	105	964123	47.43	ppb	100
104)	p-Isopropyltoluene	11.827	119	869872	49.20	ppb	100

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26237.D
Acq On : 1 May 2019 2:36 pm
Operator : K.Ruest
Sample : 50ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 01 17:48:01 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration

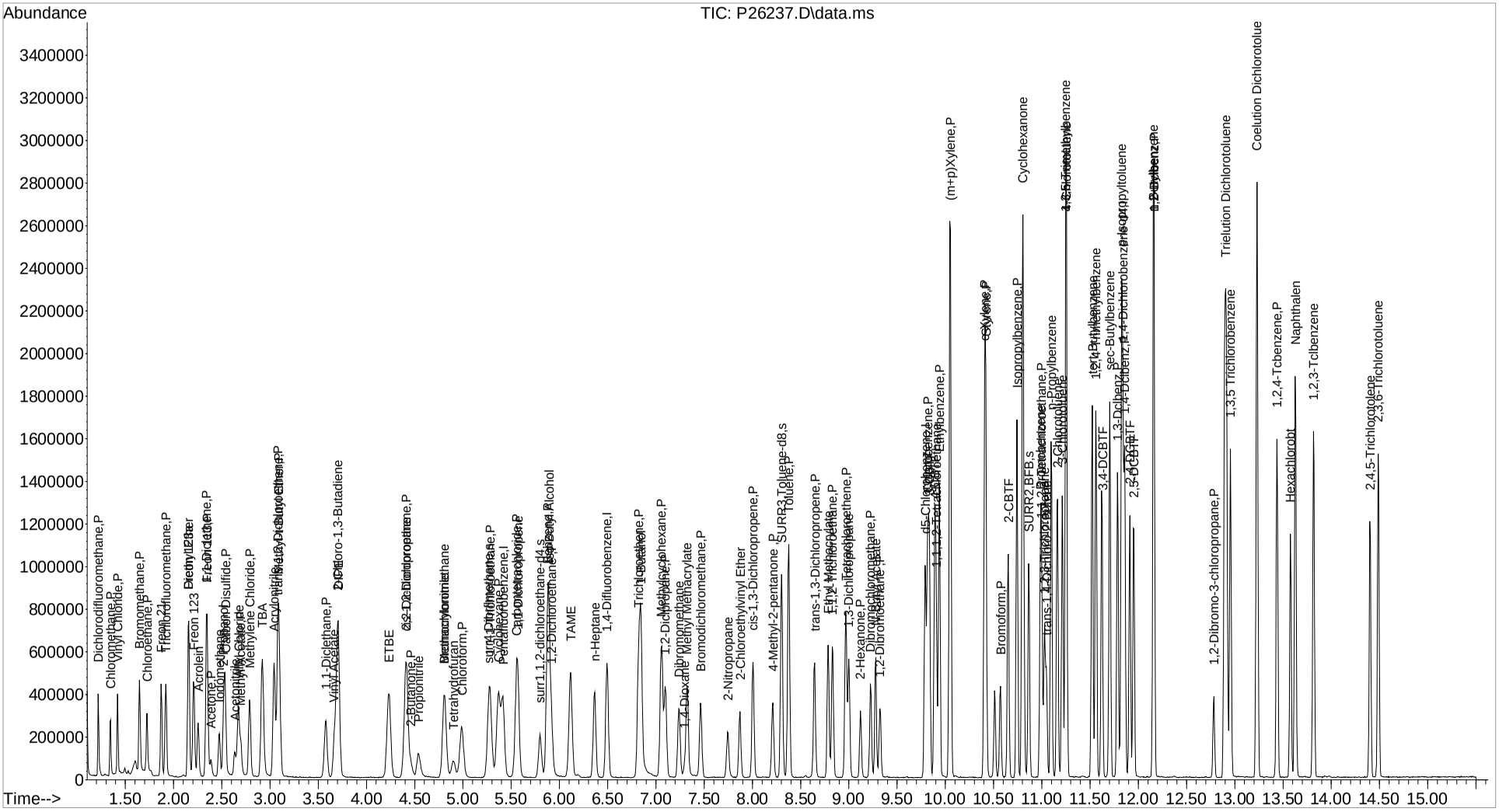
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
105) 1,3-Dclbenz	11.784	146	491651	48.24	ppb	100
106) 1,4-Dclbenz	11.857	146	515778	49.47	ppb	100
107) 2,4-DCBTF	11.912	214	255670	50.27	ppb	100
108) 2,5-DCBTF	11.955	214	281561	49.80	ppb	100
109) n-Butylbenzene	12.156	91	691693	47.02	ppb	100
110) 1,2-Dclbenz	12.162	146	494890	48.75	ppb	100
111) 1,2-Dibromo-3-chloropr...	12.784	157	96786	47.72	ppb	100
112) Trielution Dichlorotol...	12.906	125	1263252	148.17	ppb	100
113) 1,3,5 Trichlorobenzene	12.955	180	397664	49.31	ppb	100
114) Coelution Dichlorotoluene	13.229	125	934190	98.21	ppb	100
115) 1,2,4-Tcbenzene	13.436	180	421605	49.82	ppb	100
116) Hexachlorobt	13.577	225	177228	48.48	ppb	100
117) Naphthalen	13.625	128	1206252	49.21	ppb	100
118) 1,2,3-Tclbenzene	13.814	180	443933	49.49	ppb	100
119) 2,4,5-Trichlorotolene	14.400	159	279033	51.40	ppb	100
120) 2,3,6-Trichlorotoluene	14.485	159	324895	50.99	ppb	100

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26237.D
Acq On : 1 May 2019 2:36 pm
Operator : K.Ruest
Sample : 50ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 6 Sample Multiplier: 1

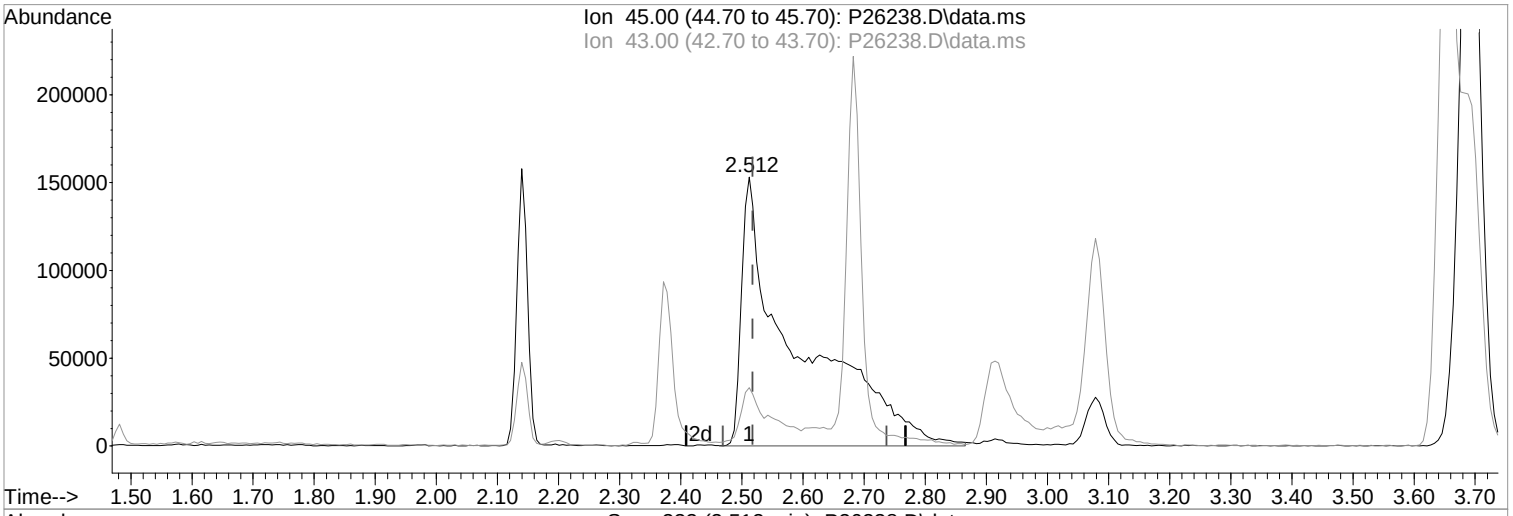
Quant Time: May 01 17:48:01 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration

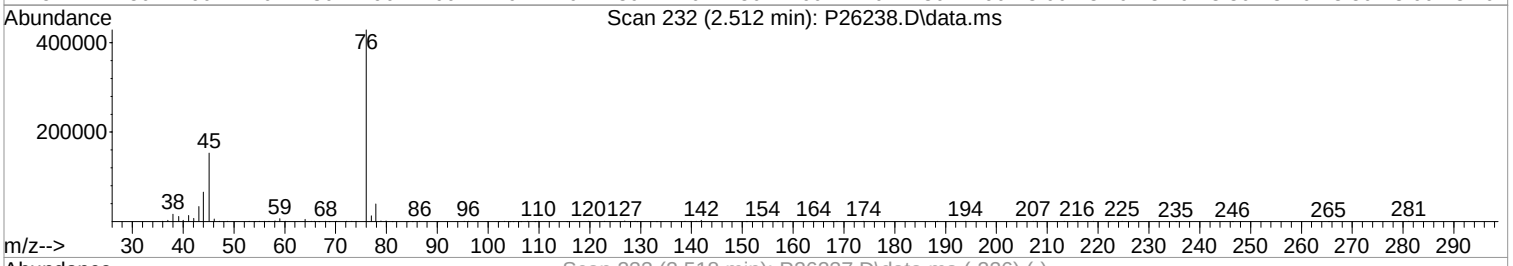


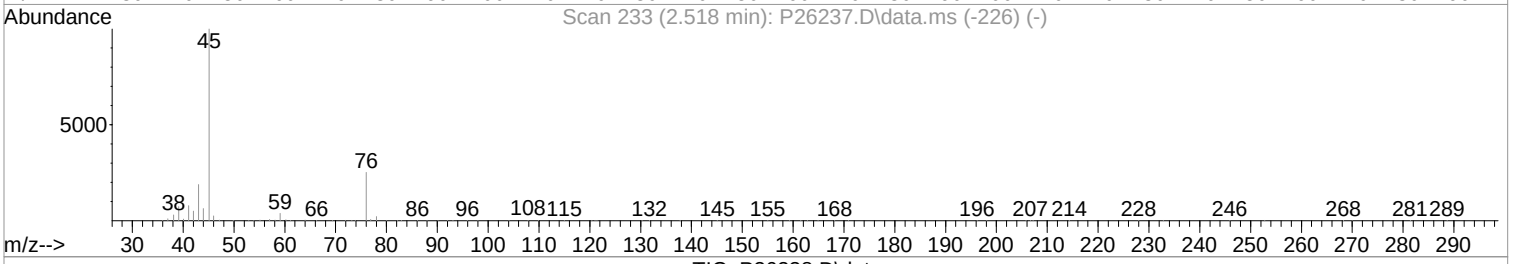
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26238.D
Acq On : 1 May 2019 2:58 pm
Operator : K.Ruest
Sample : 100ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 01 16:33:55 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26238.D\data.ms

(16) 2-Propanol

2.512min (-0.006) 2213.99 ppb m

response 953242

Ion	Exp%	Act%
45.00	100	100
43.00	19.10	21.67
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

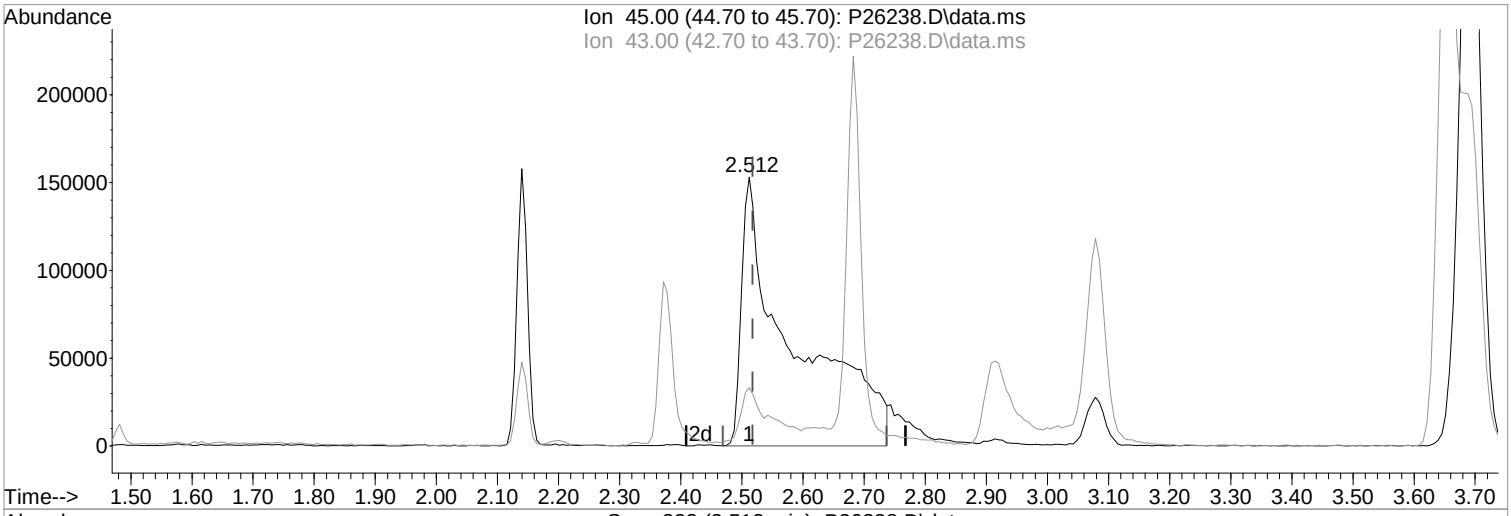
Poor integration.

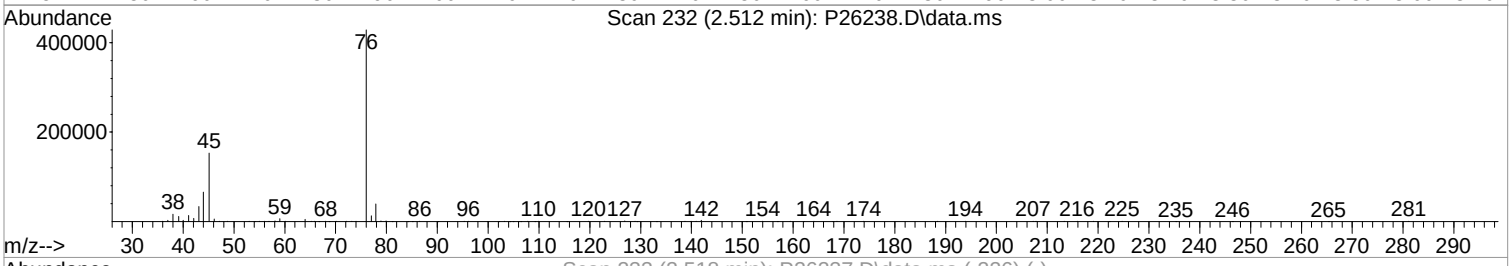
05/01/19

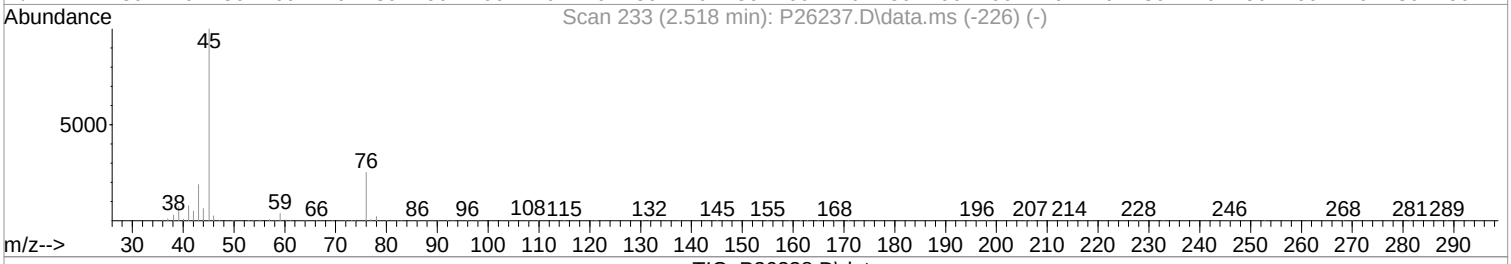
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26238.D
Acq On : 1 May 2019 2:58 pm
Operator : K.Ruest
Sample : 100ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 01 16:33:55 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26238.D\data.ms

(16) 2-Propanol

2.512min (-0.006) 2059.62 ppb

response 886775

Ion	Exp%	Act%
45.00	100	100
43.00	19.10	21.67
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

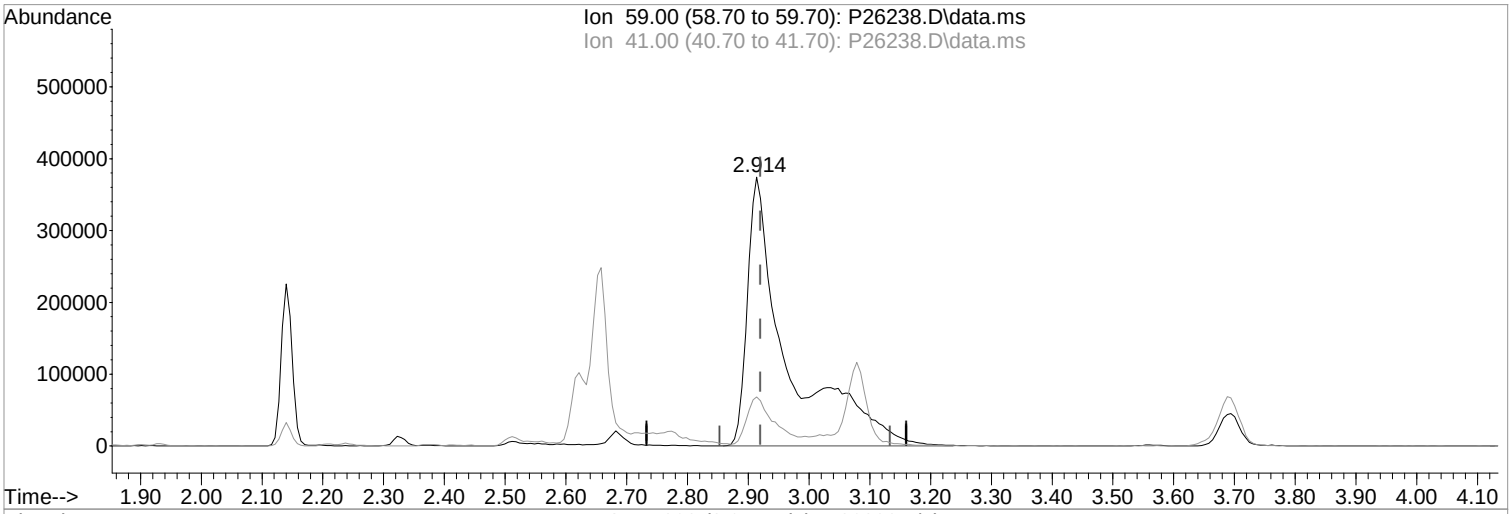
05/01/19

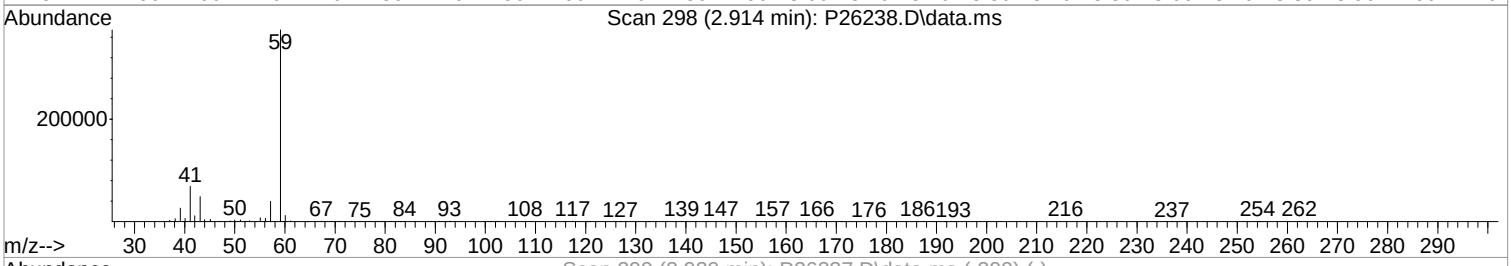
1st 05/01/19
2nd 05/02/19

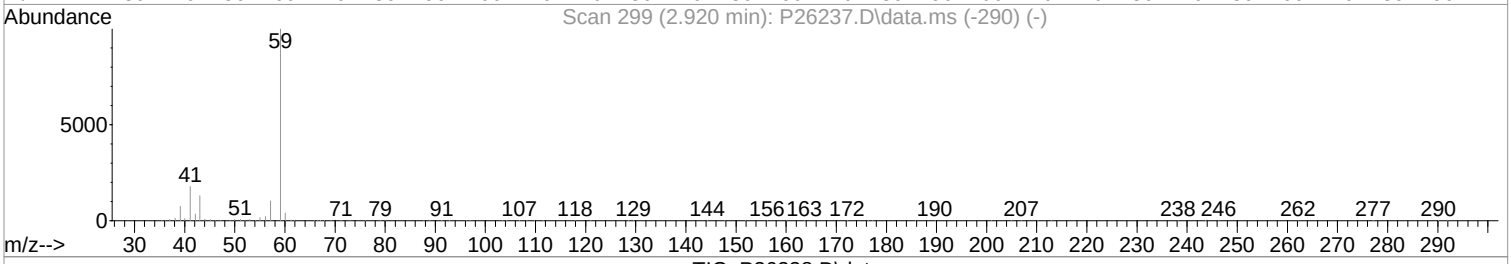
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26238.D
Acq On : 1 May 2019 2:58 pm
Operator : K.Ruest
Sample : 100ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 01 16:33:55 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26238.D\data.ms

(23) TBA

2.914min (-0.006) 2166.30 ppb m

response 1718122

Ion	Exp%	Act%
59.00	100	100
41.00	18.20	18.24
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

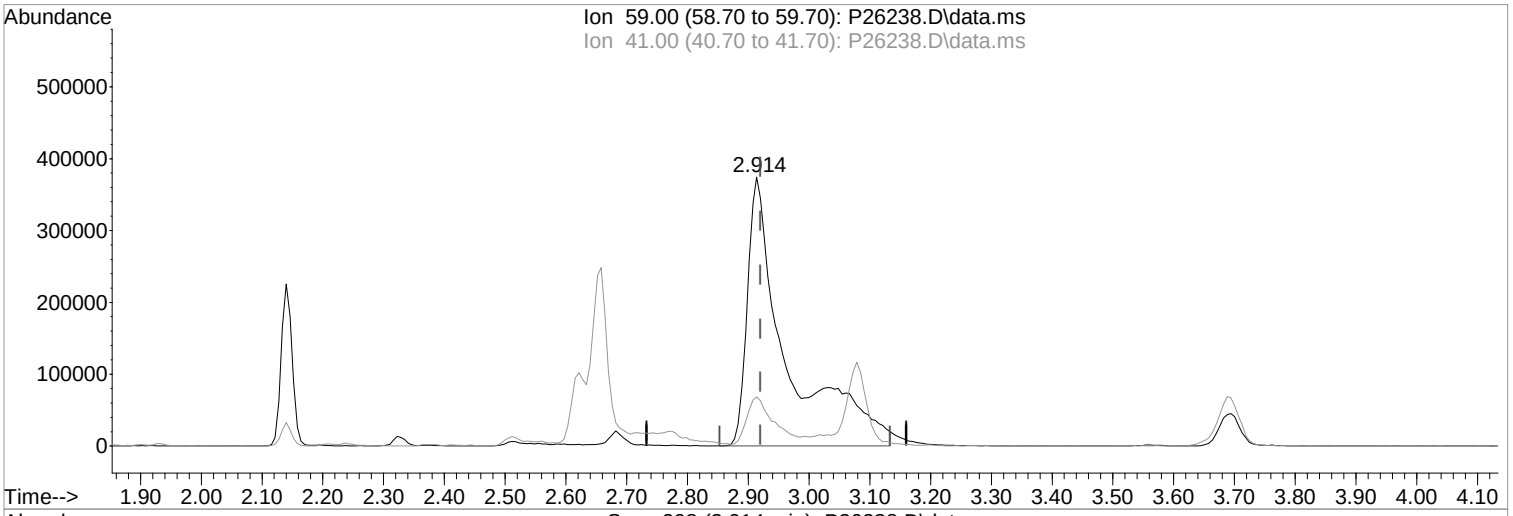
Poor integration.

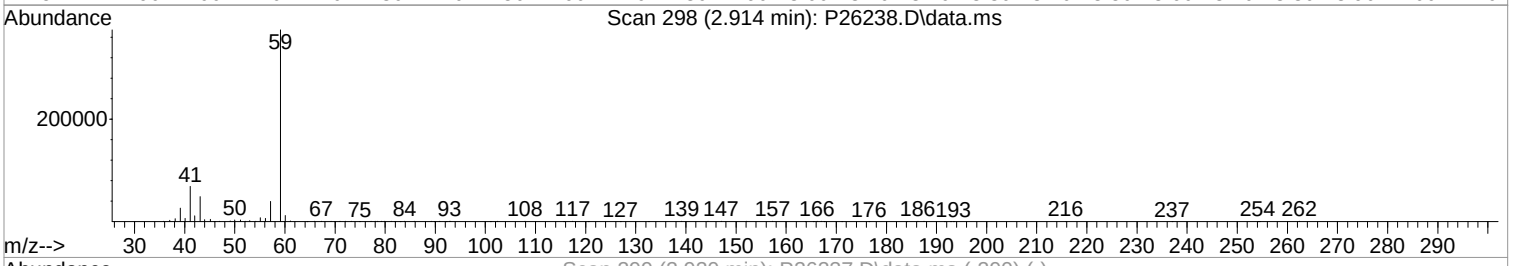
05/01/19

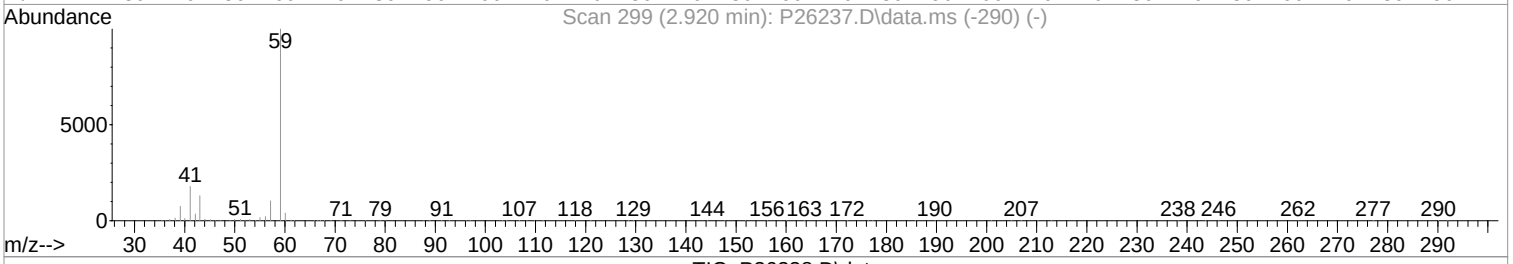
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26238.D
Acq On : 1 May 2019 2:58 pm
Operator : K.Ruest
Sample : 100ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 01 16:33:55 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26238.D\data.ms

(23) TBA

2.914min (-0.006) 2121.56 ppb

response 1682642

Ion	Exp%	Act%
59.00	100	100
41.00	18.20	18.24
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

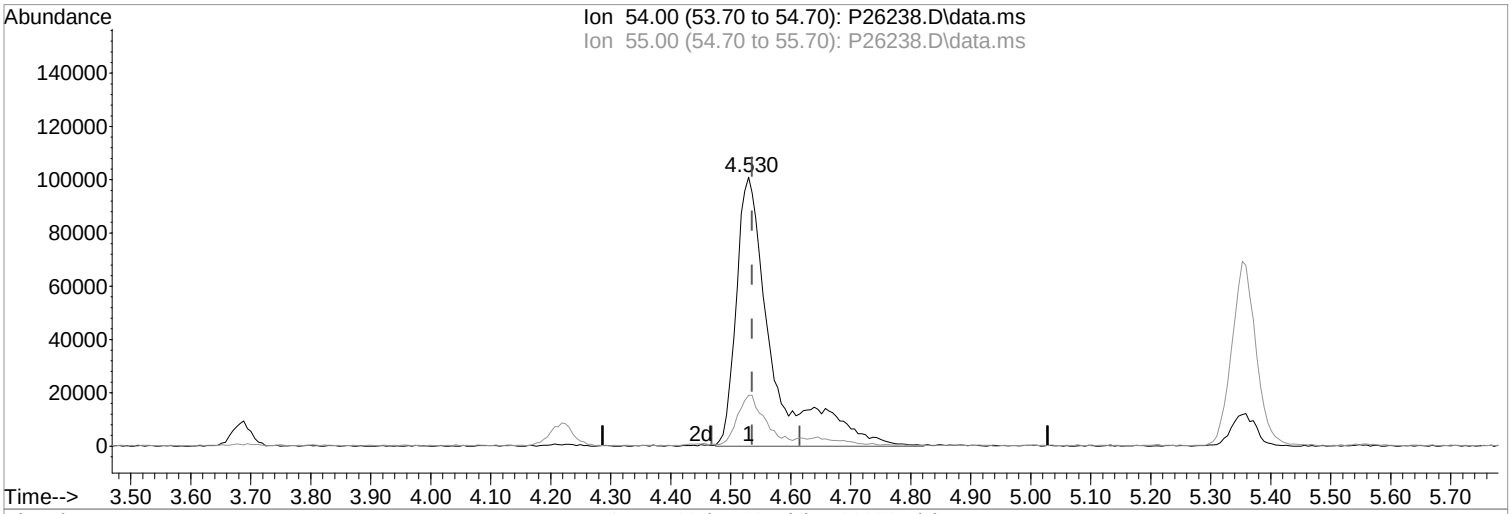
Before

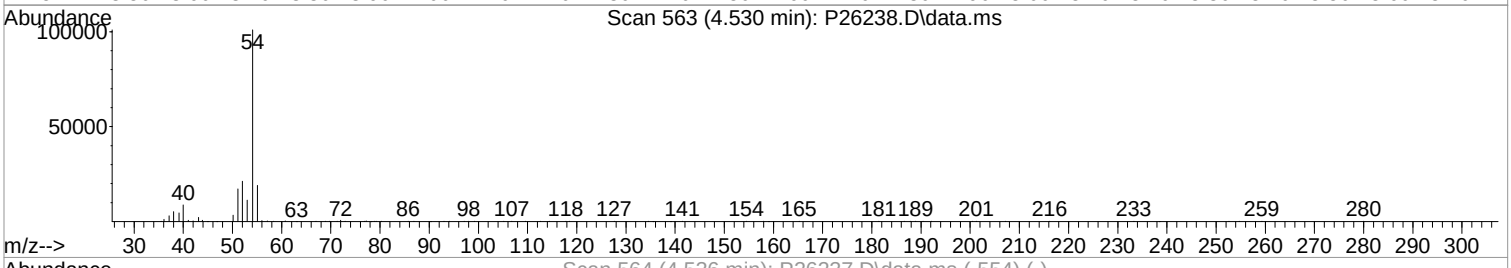
05/01/19

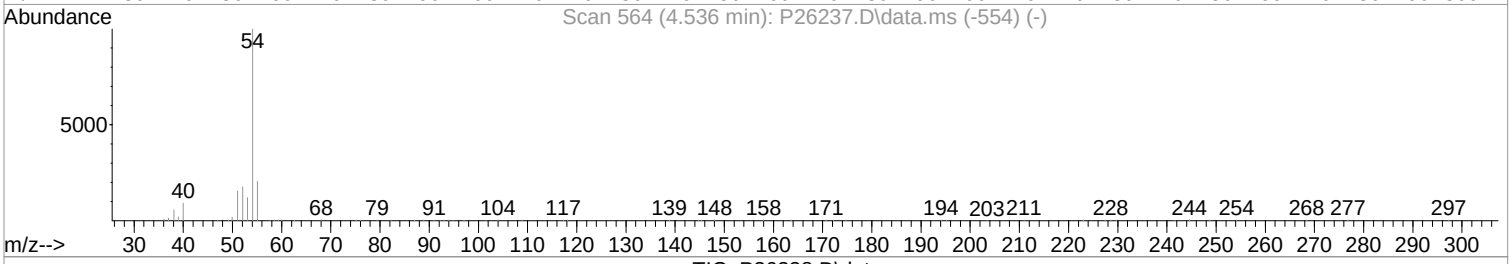
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26238.D
Acq On : 1 May 2019 2:58 pm
Operator : K.Ruest
Sample : 100ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 01 16:33:55 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26238.D\data.ms

(36) Propionitrile

4.530min (-0.006) 513.19 ppb m

response 420510

Ion	Exp%	Act%
54.00	100	100
55.00	21.30	18.81
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

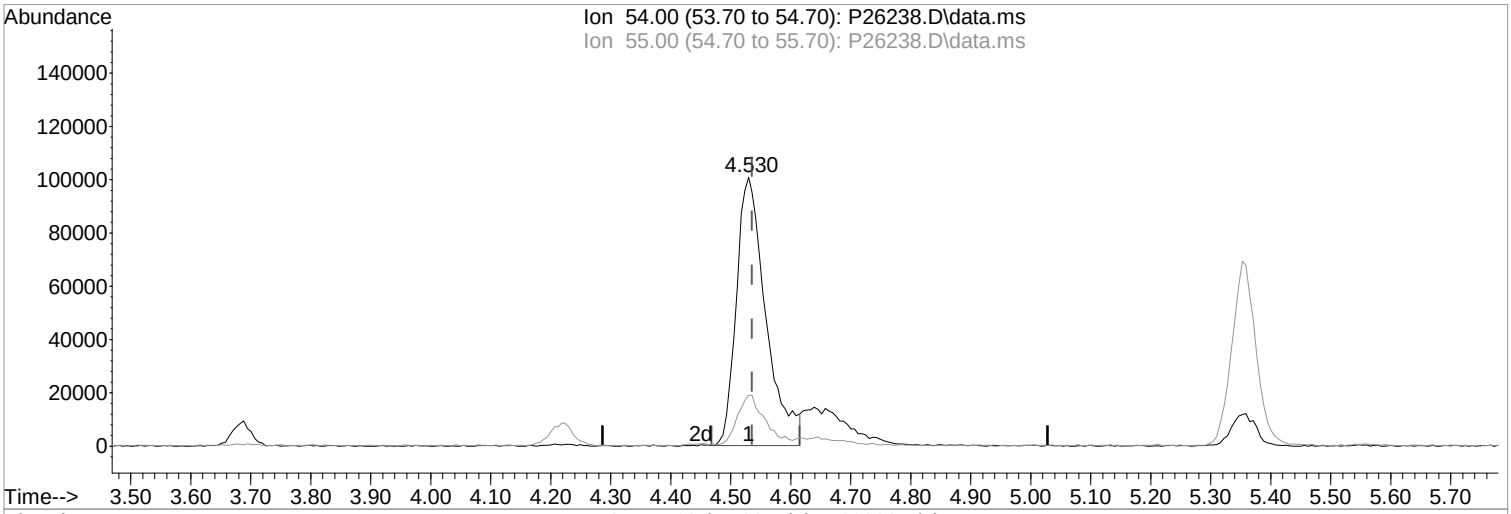
Poor integration.

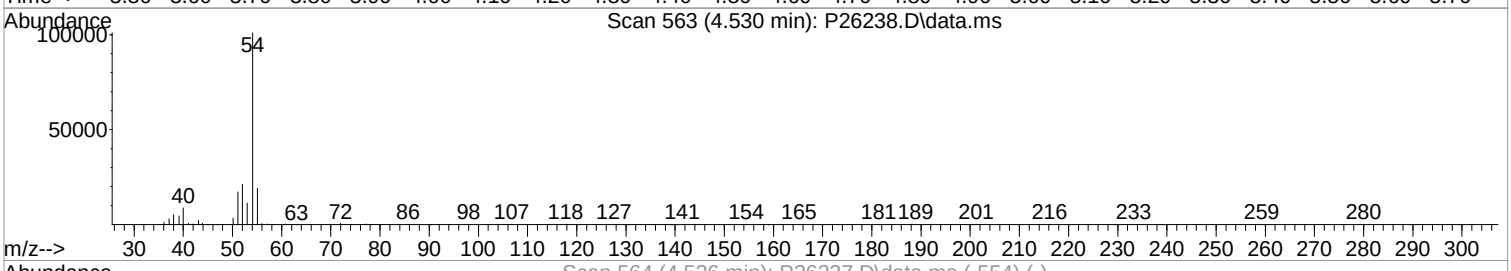
05/01/19

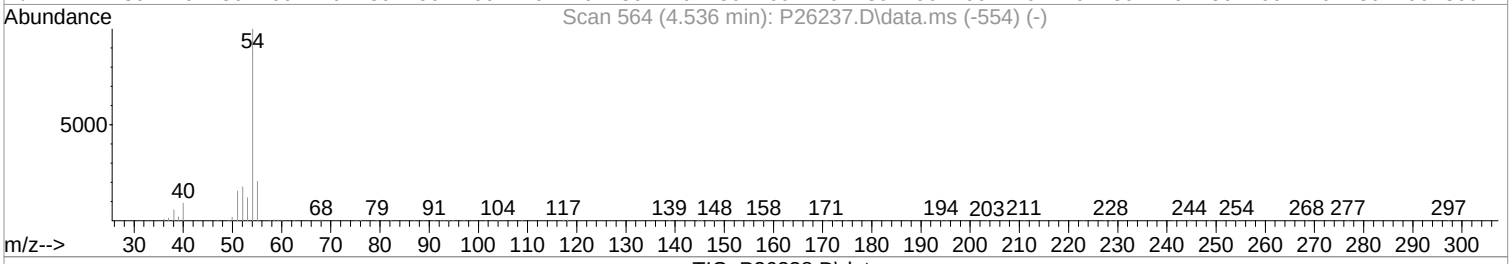
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26238.D
Acq On : 1 May 2019 2:58 pm
Operator : K.Ruest
Sample : 100ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 01 16:33:55 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26238.D\data.ms

(36) Propionitrile

4.530min (-0.006) 419.24 ppb

response 343526

Ion	Exp%	Act%
54.00	100	100
55.00	21.30	18.81
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

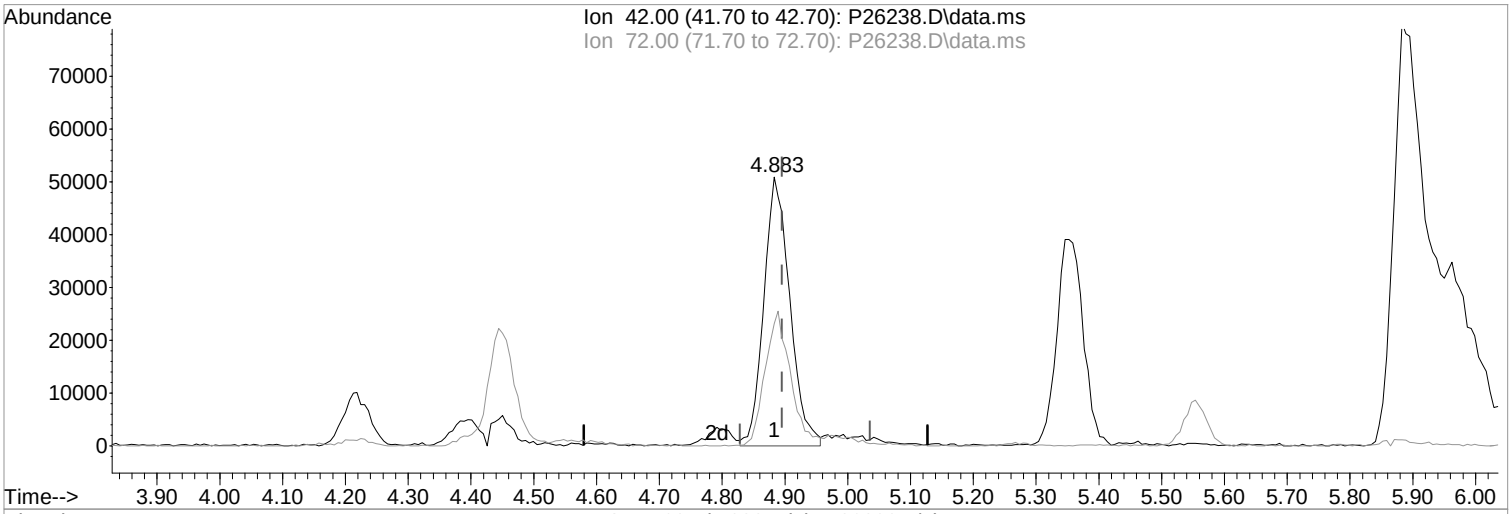
Before

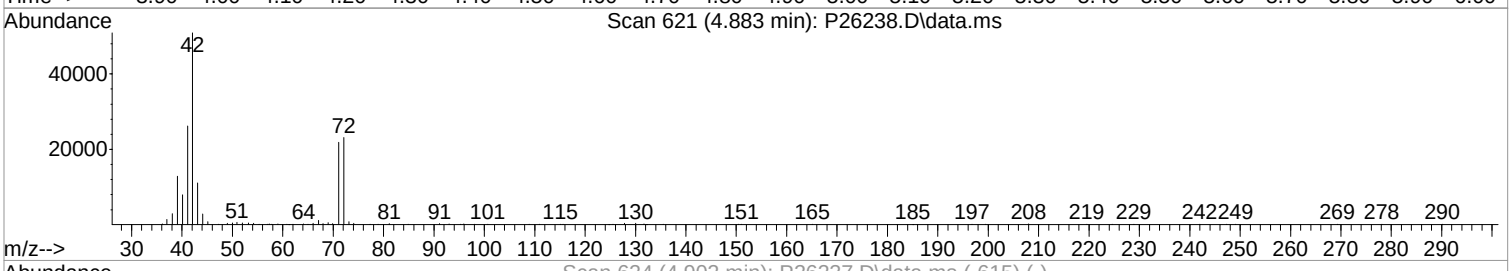
05/01/19

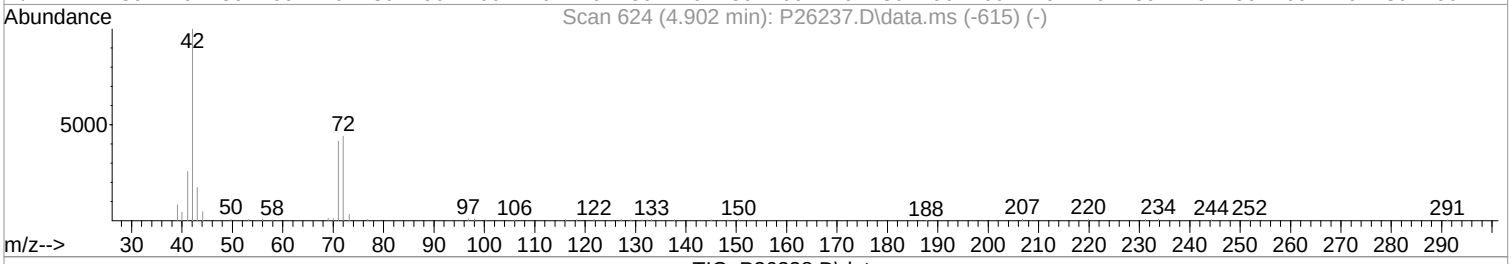
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26238.D
Acq On : 1 May 2019 2:58 pm
Operator : K.Ruest
Sample : 100ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 01 16:33:55 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26238.D\data.ms

(39) Tetrahydrofuran

4.883min (-0.012) 93.50 ppb m

response 146028

Ion	Exp%	Act%
42.00	100	100
72.00	43.90	45.48
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

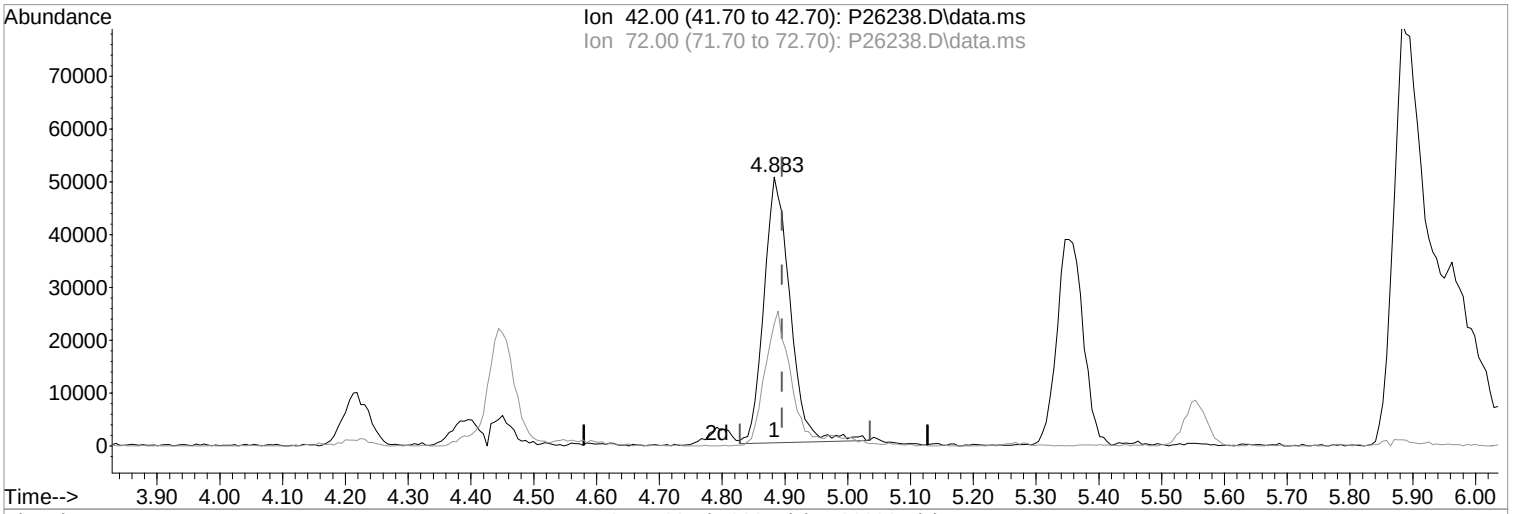
Poor integration.

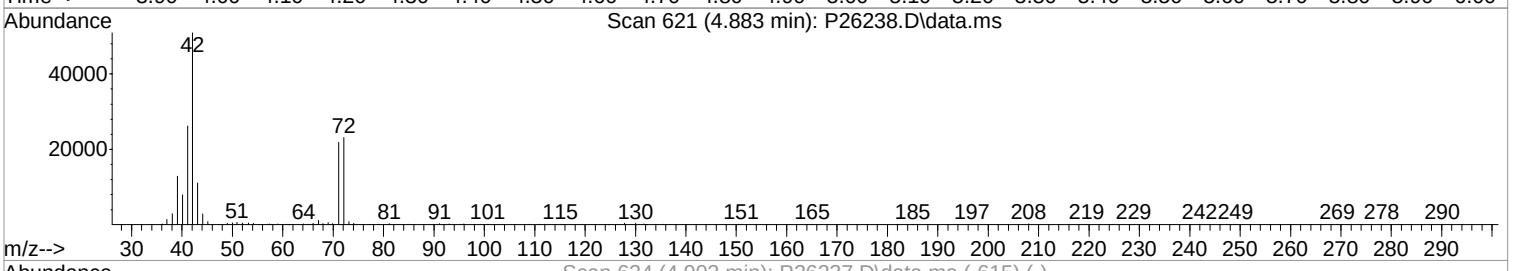
05/01/19

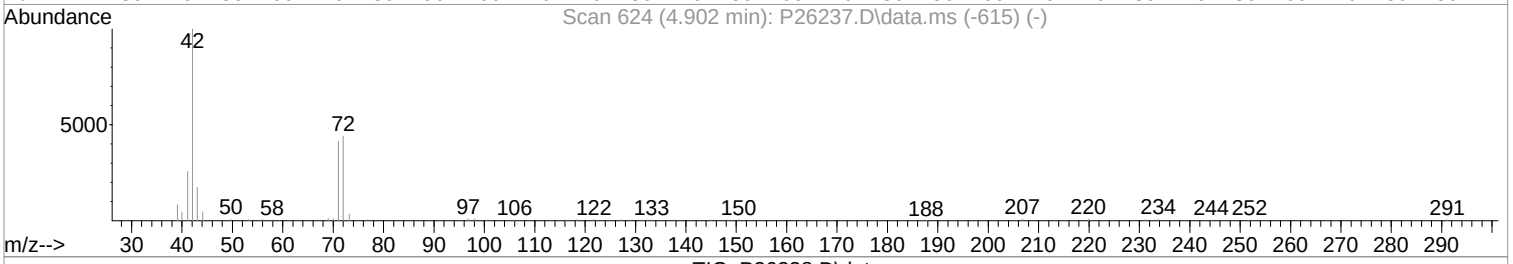
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26238.D
Acq On : 1 May 2019 2:58 pm
Operator : K.Ruest
Sample : 100ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 01 16:33:55 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26238.D\data.ms

(39) Tetrahydrofuran

4.883min (-0.012) 92.81 ppb

response 144947

Ion	Exp%	Act%
42.00	100	100
72.00	43.90	45.48
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

05/01/19

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26238.D
Acq On : 1 May 2019 2:58 pm
Operator : K.Ruest
Sample : 100ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 01 17:51:17 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.401	168	415332	50.00	ppb	0.00
43) 1,4-Difluorobenzene	6.486	114	569847	50.00	ppb	0.00
71) d5-Chlorobenzene	9.791	117	524990	50.00	ppb	0.00
86) 1,4-Dichlorobenzene-d4	11.839	152	342851	50.00	ppb	0.00
System Monitoring Compounds						
45) surr4,Dibrflmethane	5.255	113	330049	100.74	ppb	-0.01
Spiked Amount 50.000	Range 89 - 119		Recovery = 201.48%#			
48) surr1,1,2-dichloroetha...	5.785	65	347222	97.14	ppb	-0.01
Spiked Amount 50.000	Range 73 - 125		Recovery = 194.28%#			
65) SURR3,Toluene-d8	8.297	98	1325620	97.46	ppb	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 194.92%#			
70) SURR2,BFB	10.864	95	522021	98.21	ppb	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 196.42%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.207	85	386150	98.73	ppb	99
3) Chloromethane	1.329	50	338516	95.30	ppb	97
4) Vinyl Chloride	1.402	62	431647	98.87	ppb	99
5) Bromomethane	1.634	94	360295	82.61	ppb	100
6) Chloroethane	1.707	64	336086	93.59	ppb	99
7) Freon 21	1.853	67	644096	102.34	ppb	100
8) Trichlorofluoromethane	1.902	101	562485	103.61	ppb	97
9) Diethyl Ether	2.140	59	283352	90.06	ppb	95
10) Freon 123a	2.140	67	350871	90.95	ppb	94
11) Freon 123	2.195	83	412578	91.56	ppb	98
12) Acrolein	2.237	56	347922	465.52	ppb	97
13) 1,1-Diclethene	2.329	96	310474	89.90	ppb	97
14) Freon 113	2.329	101	289647	94.73	ppb	91
15) Acetone	2.371	43	148478	89.10	ppb	98
16) 2-Propanol	2.512	45	953242m	2213.99	ppb	
17) Iodomethane	2.457	142	488332	127.06	ppb	99
18) Carbon Disulfide	2.518	76	805430	96.82	ppb	98
19) Acetonitrile	2.621	40	90669	467.44	ppb	85
20) Allyl Chloride	2.658	76	145982	80.80	ppb	96
21) Methyl Acetate	2.682	43	382775	106.48	ppb	95
22) Methylene Chloride	2.774	84	341153	88.18	ppb	97
23) TBA	2.914	59	1718122m	2166.30	ppb	
24) Acrylonitrile	3.030	53	876856	483.98	ppb	98
25) Methyl-t-Butyl Ether	3.079	73	1203902	95.98	ppb	100
26) trans-1,2-Dichloroethene	3.066	96	363180	95.91	ppb	96
28) 1,1-Diclethane	3.560	63	590286	95.35	ppb	99
29) Vinyl Acetate	3.658	86	92617	119.75	ppb #	92
30) DIPE	3.694	45	892736	92.08	ppb	97
31) 2-Chloro-1,3-Butadiene	3.688	53	426550	91.56	ppb	96
32) ETBE	4.219	59	985444	92.10	ppb	99
33) 2,2-Dichloropropane	4.389	77	554576	97.88	ppb	98
34) cis-1,2-Dichloroethene	4.402	96	408079	91.21	ppb	90
35) 2-Butanone	4.450	43	214845	93.56	ppb	98
36) Propionitrile	4.530	54	420510m	513.19	ppb	
37) Bromochloromethane	4.798	130	299144	99.63	ppb	92
38) Methacrylonitrile	4.798	67	204977	91.22	ppb	100
39) Tetrahydrofuran	4.883	42	146028m	93.50	ppb	
40) Chloroform	4.975	83	603537	91.85	ppb	99
41) 1,1,1-Trichloroethane	5.267	97	585394	95.59	ppb	97

1st 05/01/19
2nd 05/02/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26238.D
Acq On : 1 May 2019 2:58 pm
Operator : K.Ruest
Sample : 100ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 01 17:51:17 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) TAME	6.108	73	1060632	94.22	ppb	98
44) Cyclohexane	5.353	41	279041	90.88	ppb	97
46) Carbontetrachloride	5.542	117	516250	104.21	ppb	97
47) 1,1-Dichloropropene	5.554	75	449746	98.04	ppb	99
49) Benzene	5.871	78	1420804	96.21	ppb	99
50) 1,2-Dichloroethane	5.907	62	493096	94.21	ppb	97
51) Iso-Butyl Alcohol	5.895	43	680168	2143.43	ppb	92
52) n-Heptane	6.358	43	378514	96.39	ppb	96
53) 1-Butanol	6.846	56	1202499	5555.76	ppb	100
54) Trichloroethene	6.810	130	462479	100.78	ppb	98
55) Methylcyclohexane	7.053	55	406273	94.79	ppb	88
56) 1,2-Diclpropane	7.090	63	347062	98.01	ppb	93
57) Dibromomethane	7.230	93	257087	103.11	ppb	97
58) 1,4-Dioxane	7.309	88	203194	2109.42	ppb	99
59) Methyl Methacrylate	7.322	69	350027	100.03	ppb	89
60) Bromodichloromethane	7.456	83	479750	97.63	ppb	97
61) 2-Nitropropane	7.742	41	276427	217.27	ppb	96
62) 2-Chloroethylvinyl Ether	7.864	63	261696	104.16	ppb	96
63) cis-1,3-Dichloropropene	8.004	75	619817	97.74	ppb	95
64) 4-Methyl-2-pentanone	8.206	43	451080	100.86	ppb	98
66) Toluene	8.370	91	1657946	99.27	ppb	98
67) trans-1,3-Dichloropropene	8.638	75	588239	103.82	ppb	100
68) Ethyl Methacrylate	8.785	69	610742	100.44	ppb	96
69) 1,1,2-Trichloroethane	8.827	97	391028	97.68	ppb	97
72) Tetrachloroethene	8.968	164	392615	104.02	ppb	99
73) 2-Hexanone	9.120	43	352719	100.04	ppb	98
74) 1,3-Dichloropropane	8.998	76	619967	97.69	ppb	98
75) Dibromochloromethane	9.224	129	477050	103.69	ppb	96
76) N-Butyl Acetate	9.273	43	669595	99.58	ppb	96
77) 1,2-Dibromoethane	9.321	107	432867	102.14	ppb	97
78) Chlorobenzene	9.815	112	1165538	100.99	ppb	97
79) 3-CBTF	9.833	180	682029	102.91	ppb	96
80) 4-CBTF	9.888	180	591447	98.36	ppb	94
81) 1,1,1,2-Tetrachloroethane	9.900	131	447440	99.92	ppb	97
82) Ethylbenzene	9.937	106	631292	101.18	ppb	93
83) (m+p)Xylene	10.047	106	1580407	204.57	ppb	100
84) o-Xylene	10.406	106	791061	101.13	ppb	94
85) Styrene	10.419	104	1306702	106.89	ppb	99
87) Bromoform	10.571	173	418679	105.30	ppb	100
88) 2-CBTF	10.650	180	706668	93.68	ppb	97
89) Isopropylbenzene	10.742	105	1933207	89.65	ppb	97
90) Cyclohexanone	10.809	55	2012430	1870.44	ppb	99
91) trans-1,4-Dichloro-2-B...	11.047	53	155475	87.37	ppb	94
92) 1,1,2,2-Tetrachloroethane	10.998	83	583904	89.61	ppb	99
93) Bromobenzene	10.986	156	622113	95.68	ppb	96
94) 1,2,3-Trichloropropane	11.028	110	224956	91.97	ppb	97
95) n-Propylbenzene	11.095	91	2088318	89.31	ppb	97
96) 2-Chlorotoluene	11.162	91	1305380	89.76	ppb	99
97) 3-Chlorotoluene	11.211	91	1206570	87.80	ppb	99
98) 4-Chlorotoluene	11.254	91	1510979	90.88	ppb	97
99) 1,3,5-Trimethylbenzene	11.248	105	1677287	92.60	ppb	100
100) tert-Butylbenzene	11.522	119	1562209	94.40	ppb	97
101) 1,2,4-Trimethylbenzene	11.559	105	1689152	93.77	ppb	99
102) 3,4-DCBTF	11.626	214	643043	99.95	ppb	98
103) sec-Butylbenzene	11.705	105	2117253	91.42	ppb	100
104) p-Isopropyltoluene	11.827	119	1916732	95.15	ppb	98

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26238.D
Acq On : 1 May 2019 2:58 pm
Operator : K.Ruest
Sample : 100ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 01 17:51:17 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration

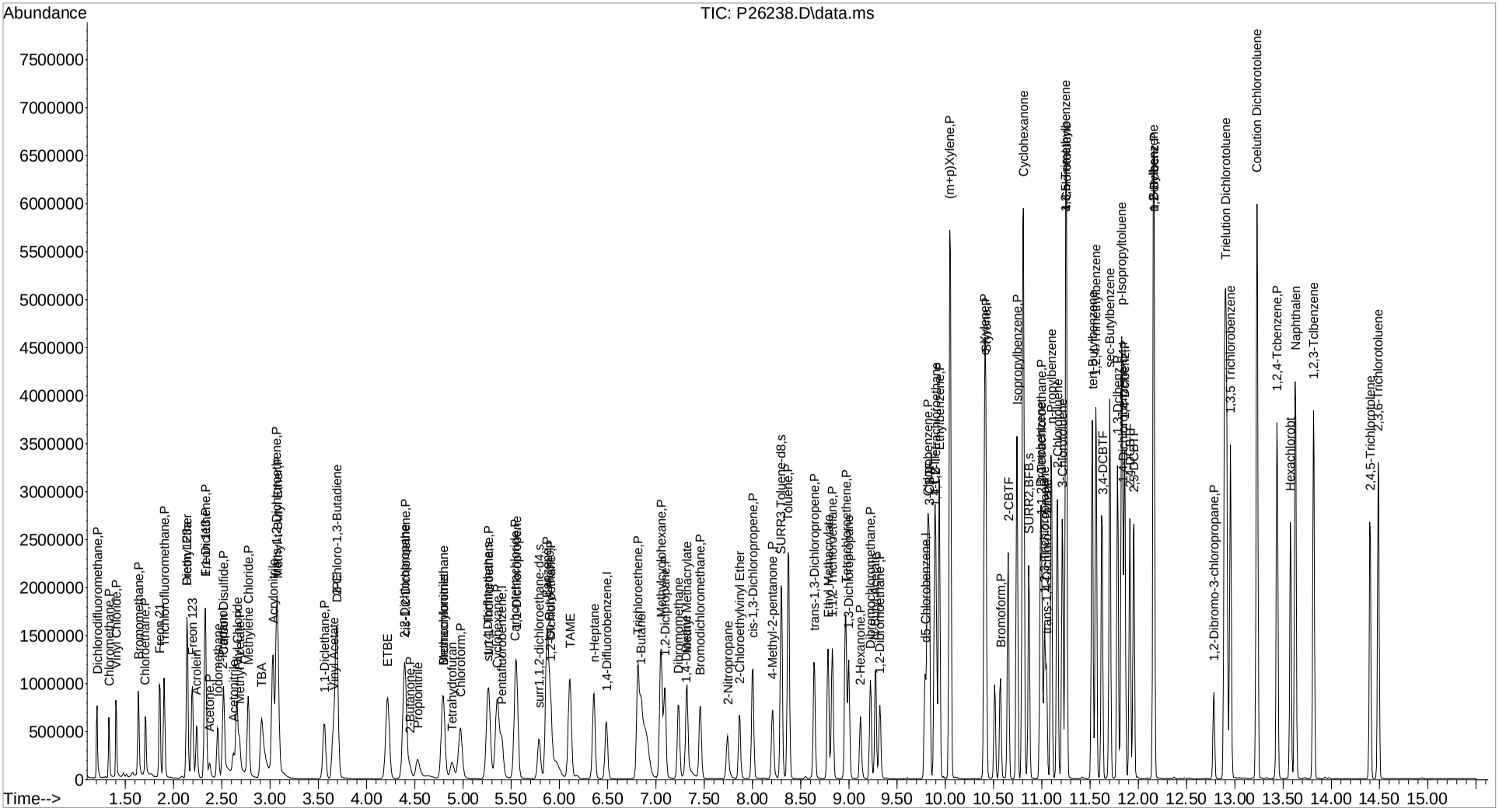
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
105) 1,3-Dclbenz	11.784	146	1121880	96.62	ppb	99
106) 1,4-Dclbenz	11.857	146	1141785	96.13	ppb	97
107) 2,4-DCBTF	11.912	214	590879	101.97	ppb	98
108) 2,5-DCBTF	11.955	214	655945	101.83	ppb	98
109) n-Butylbenzene	12.156	91	1554972	92.78	ppb	99
110) 1,2-Dclbenz	12.162	146	1123476	97.13	ppb	97
111) 1,2-Dibromo-3-chloropr...	12.784	157	239271	103.55	ppb	99
112) Trielution Dichlorotol...	12.900	125	2733197	281.39	ppb	98
113) 1,3,5 Trichlorobenzene	12.955	180	906525	98.67	ppb	99
114) Coelution Dichlorotoluene	13.229	125	2035206	187.80	ppb	99
115) 1,2,4-Tcbenzene	13.436	180	1014016	105.17	ppb	98
116) Hexachlorobt	13.577	225	425443	102.14	ppb	97
117) Naphthalen	13.625	128	2732682	97.86	ppb	99
118) 1,2,3-Tclbenzene	13.814	180	1030928	100.89	ppb	99
119) 2,4,5-Trichlorotolene	14.400	159	617627	99.86	ppb	99
120) 2,3,6-Trichlorotoluene	14.485	159	724623	99.81	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26238.D
Acq On : 1 May 2019 2:58 pm
Operator : K.Ruest
Sample : 100ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 01 17:51:17 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration

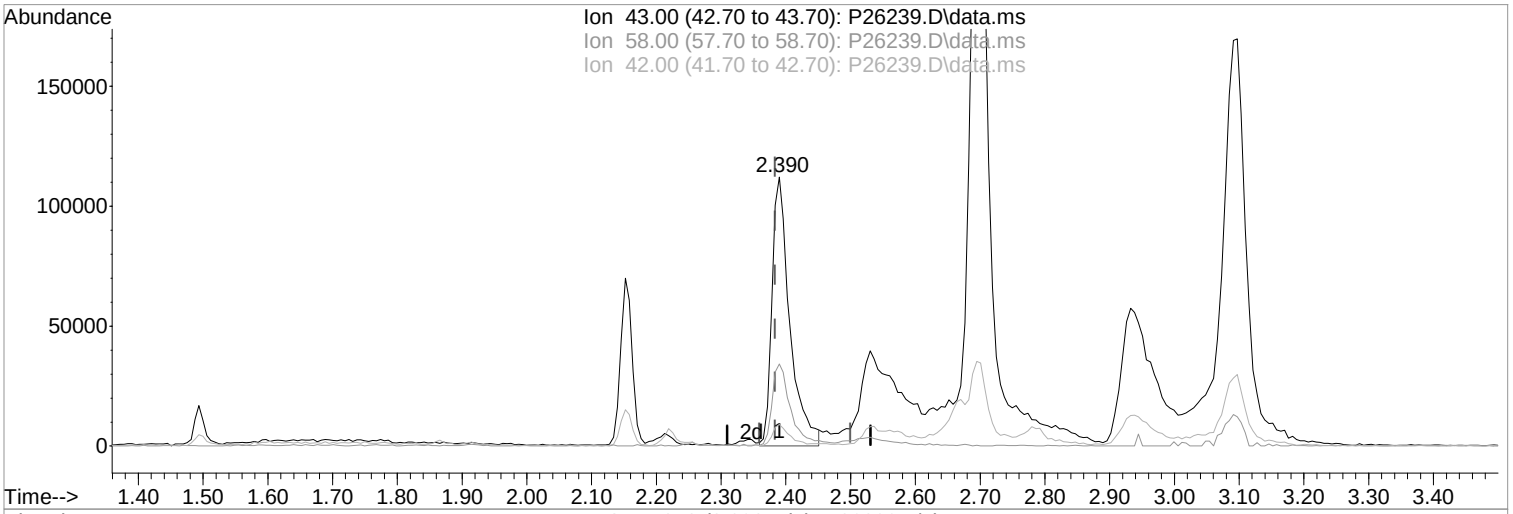


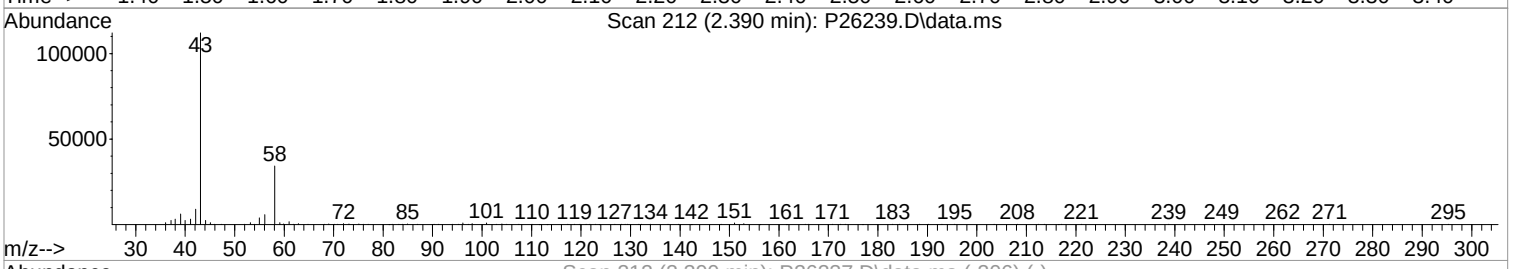
1st 05/01/19
2nd 05/02/19

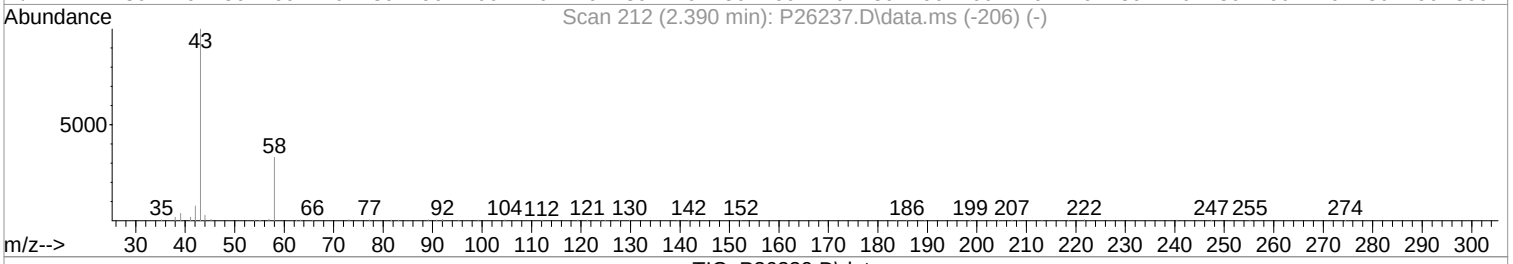
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26239.D
Acq On : 1 May 2019 3:20 pm
Operator : K.Ruest
Sample : 150ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 01 16:33:58 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26239.D\data.ms

(15) Acetone (P)

2.390min (+0.006) 121.19 ppb m

response 214264

Ion	Exp%	Act%
43.00	100	100
58.00	33.10	30.51
42.00	8.30	8.03
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

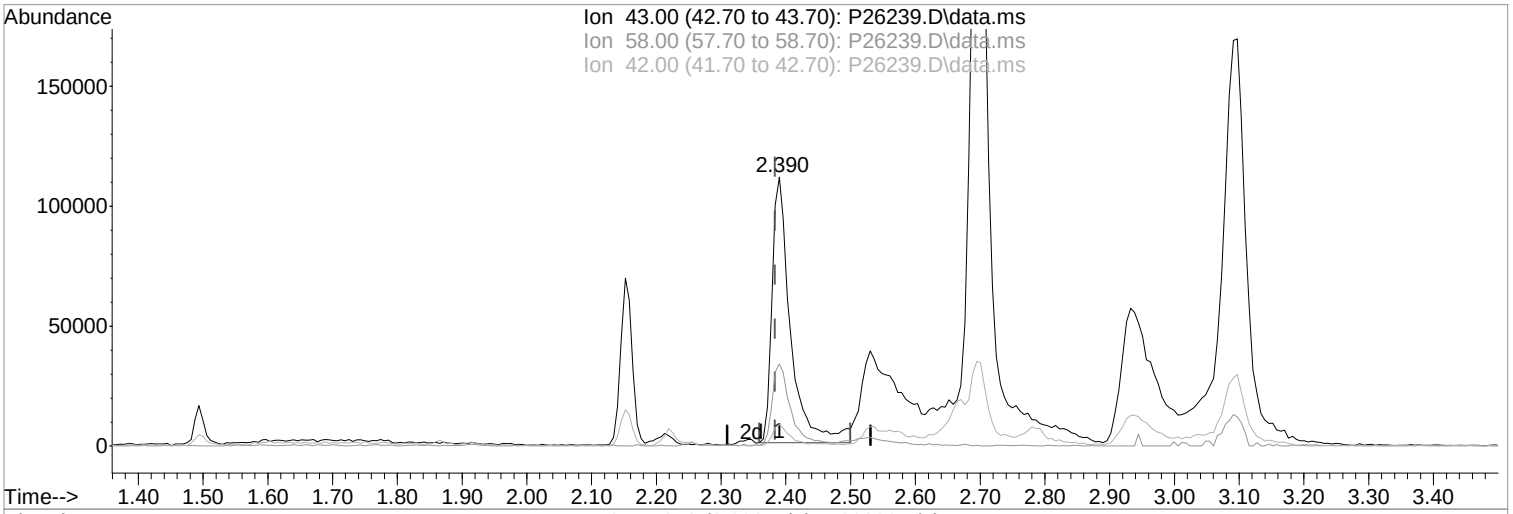
05/01/19

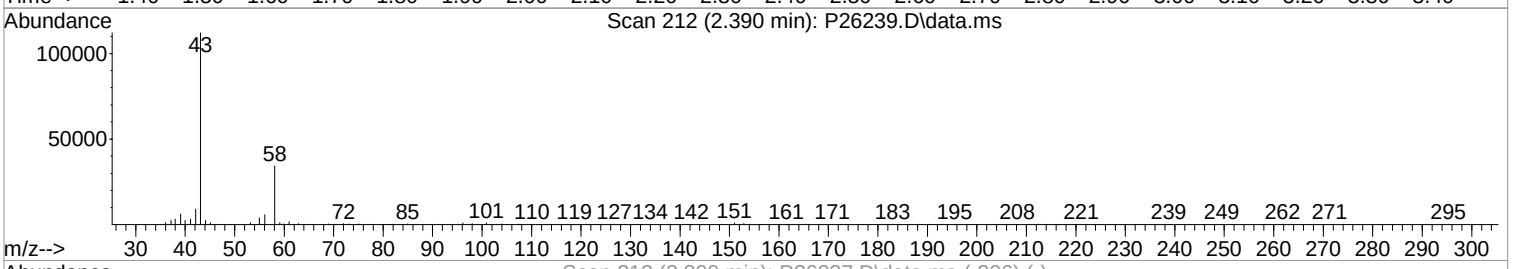
1st 05/01/19
2nd 05/02/19

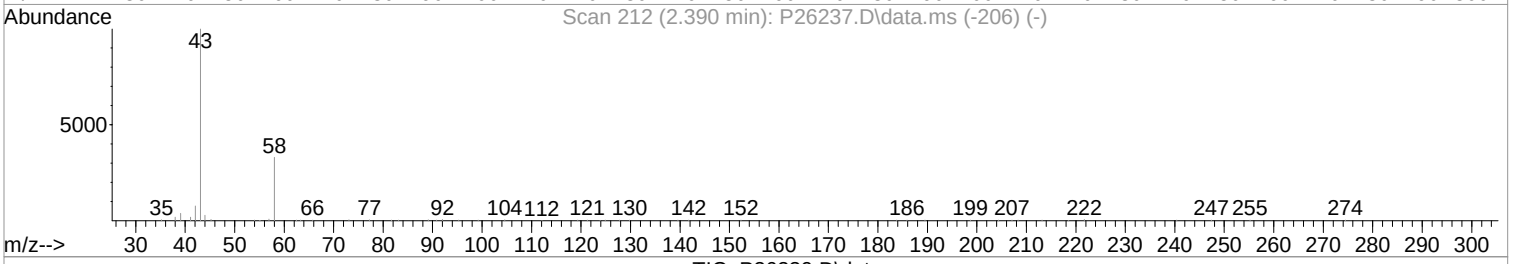
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26239.D
Acq On : 1 May 2019 3:20 pm
Operator : K.Ruest
Sample : 150ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 01 16:33:58 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26239.D\data.ms

(15) Acetone (P)

2.390min (+0.006) 124.87 ppb

response 220779

Ion	Exp%	Act%
43.00	100	100
58.00	33.10	30.51
42.00	8.30	8.03
0.00	0.00	0.00

Manual Integration:

Before

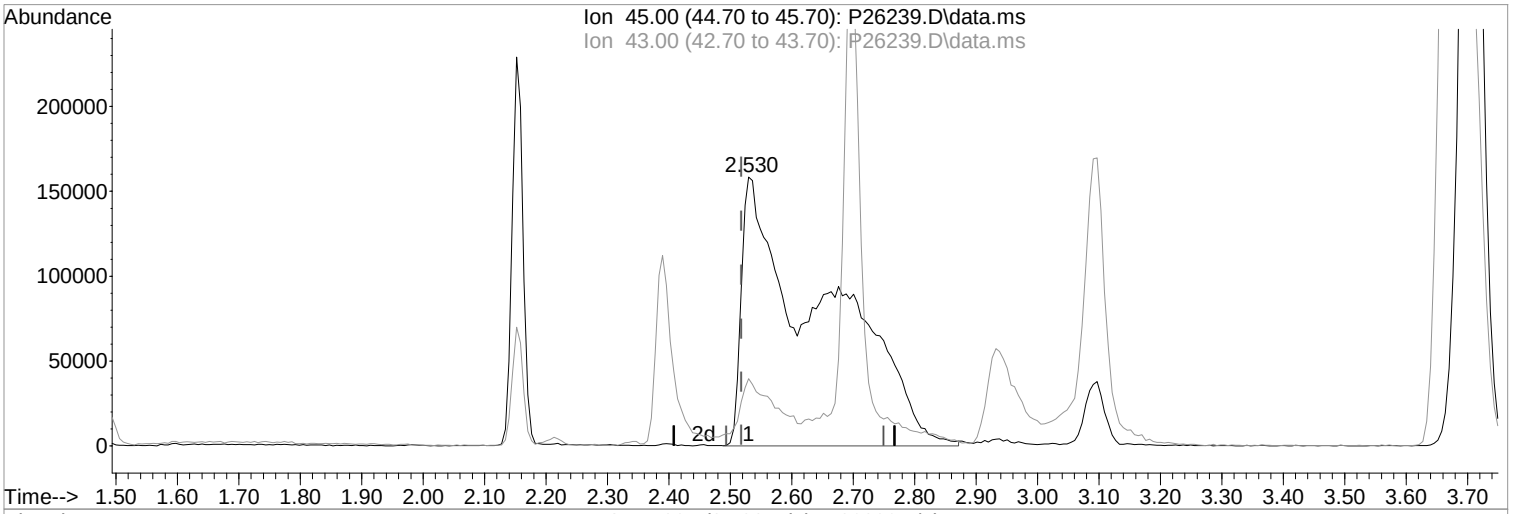
05/01/19

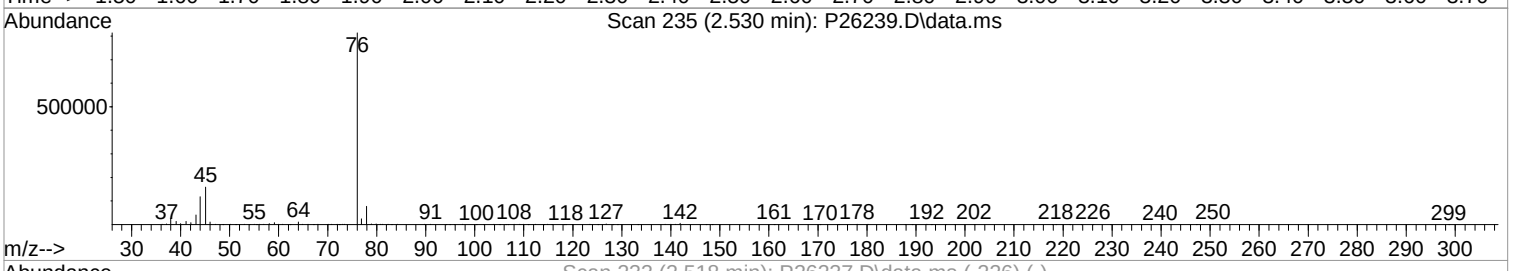
1st 05/01/19
2nd 05/02/19

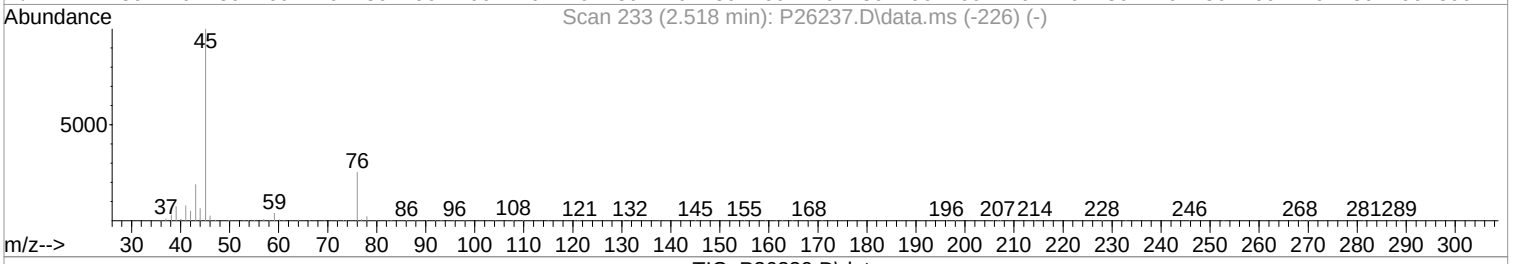
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26239.D
Acq On : 1 May 2019 3:20 pm
Operator : K.Ruest
Sample : 150ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 01 16:33:58 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26239.D\data.ms

(16) 2-Propanol

2.530min (+0.012) 3212.71 ppb m

response 1467659

Ion	Exp%	Act%
45.00	100	100
43.00	19.10	25.08
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

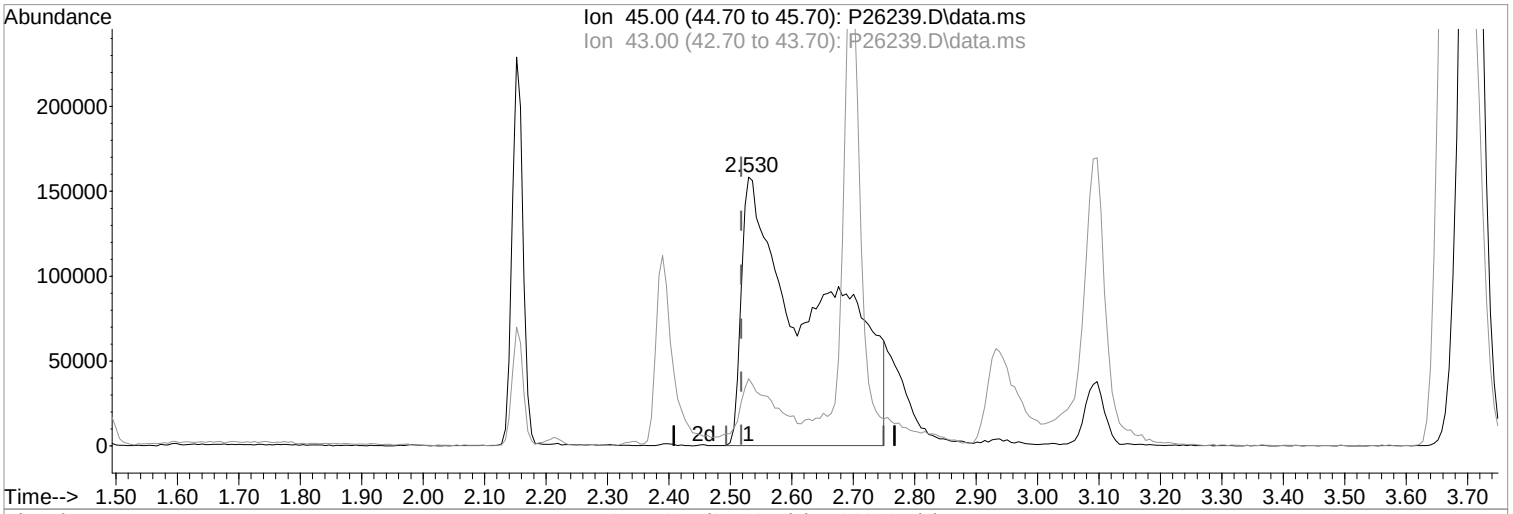
05/01/19

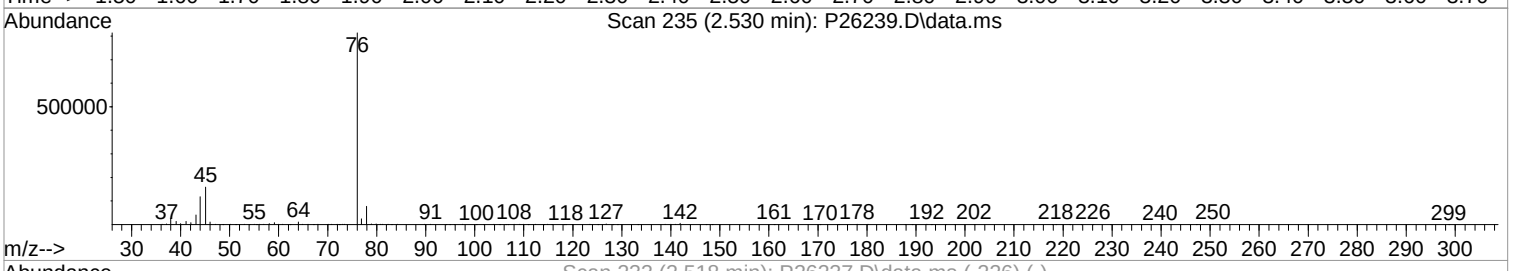
1st 05/01/19
2nd 05/02/19

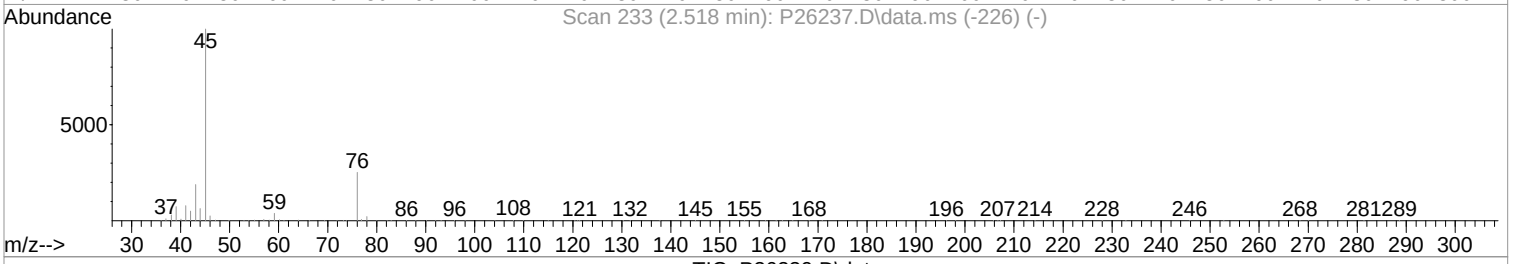
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26239.D
Acq On : 1 May 2019 3:20 pm
Operator : K.Ruest
Sample : 150ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 01 16:33:58 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26239.D\data.ms

(16) 2-Propanol

2.530min (+0.012) 2895.82 ppb

response 1322898

Ion	Exp%	Act%
45.00	100	100
43.00	19.10	25.08
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

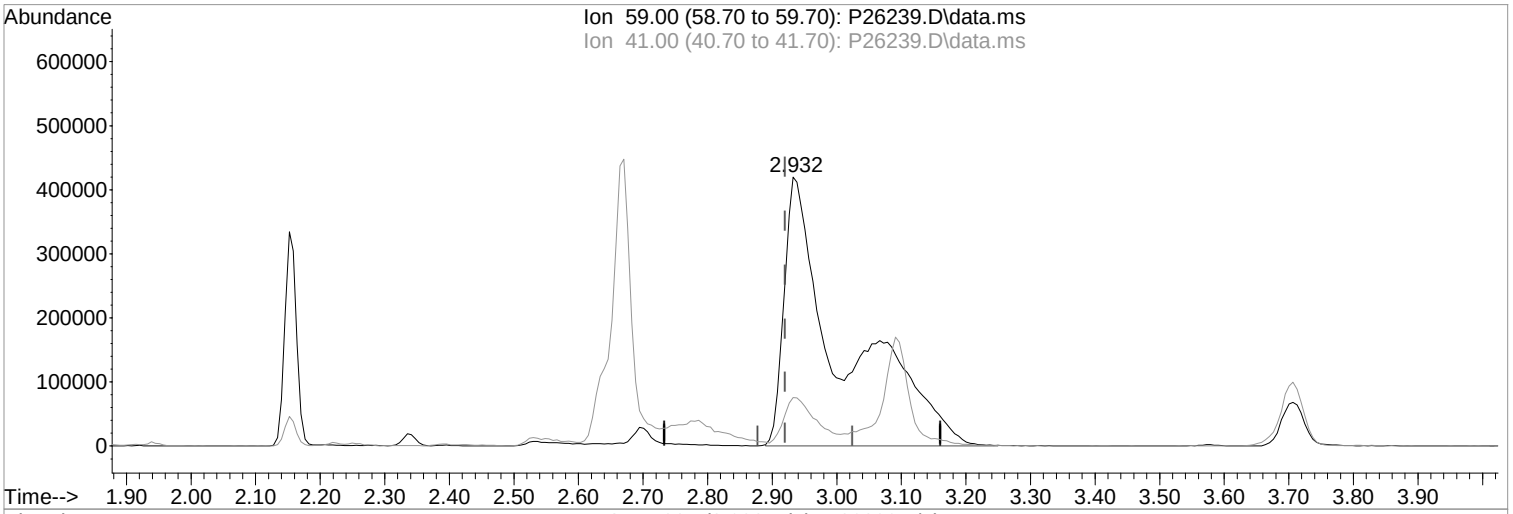
05/01/19

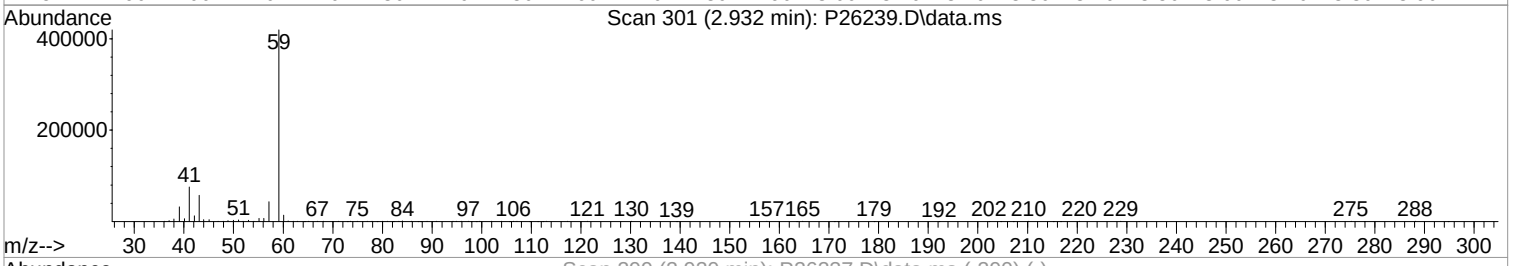
1st 05/01/19
2nd 05/02/19

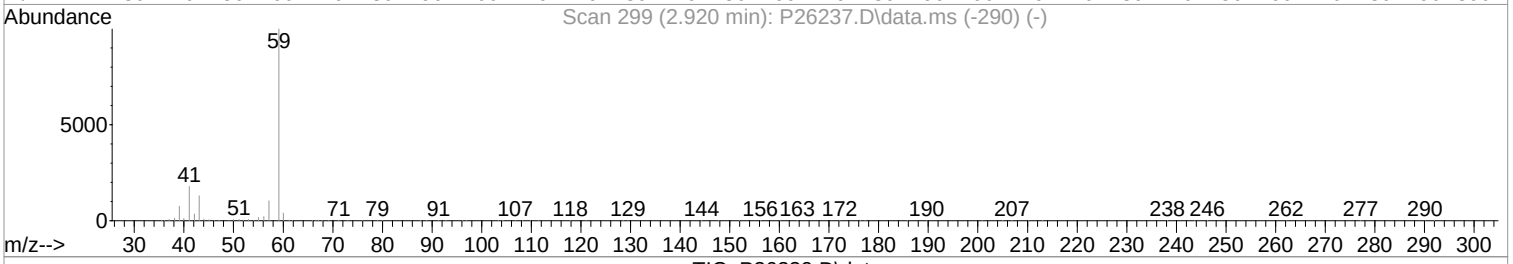
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26239.D
Acq On : 1 May 2019 3:20 pm
Operator : K.Ruest
Sample : 150ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 01 16:33:58 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26239.D\data.ms

(23) TBA

2.932min (+0.012) 3109.97 ppb m

response 2617087

Ion	Exp%	Act%
59.00	100	100
41.00	18.20	17.97
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

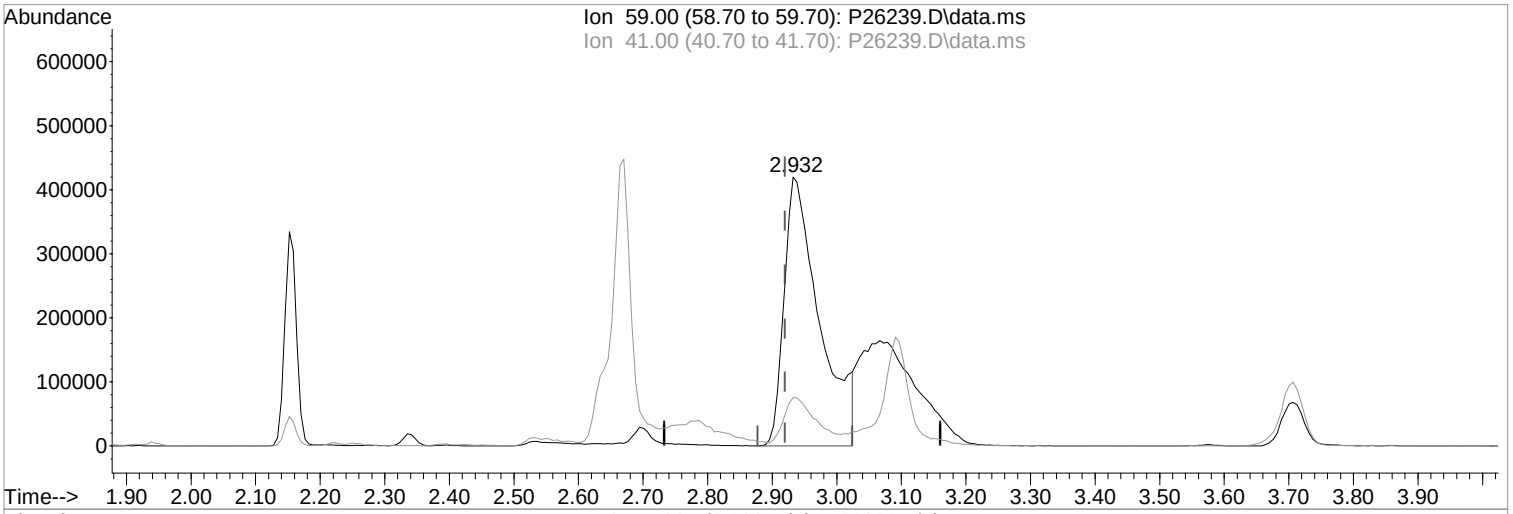
05/01/19

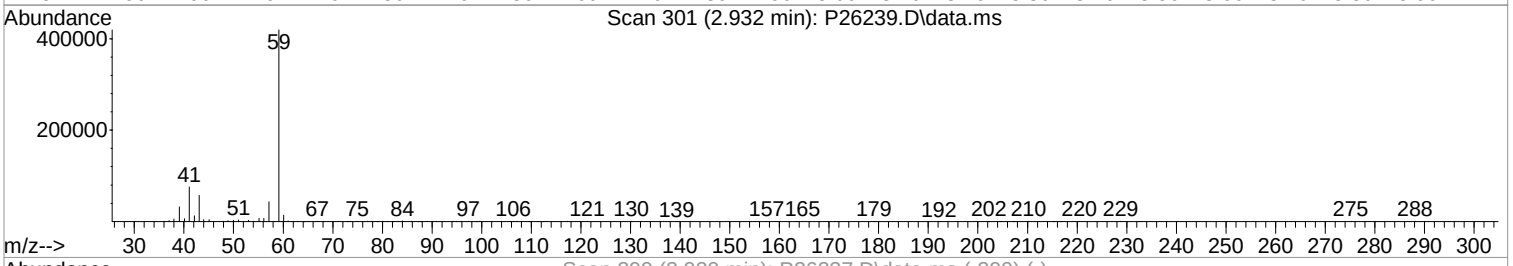
1st 05/01/19
2nd 05/02/19

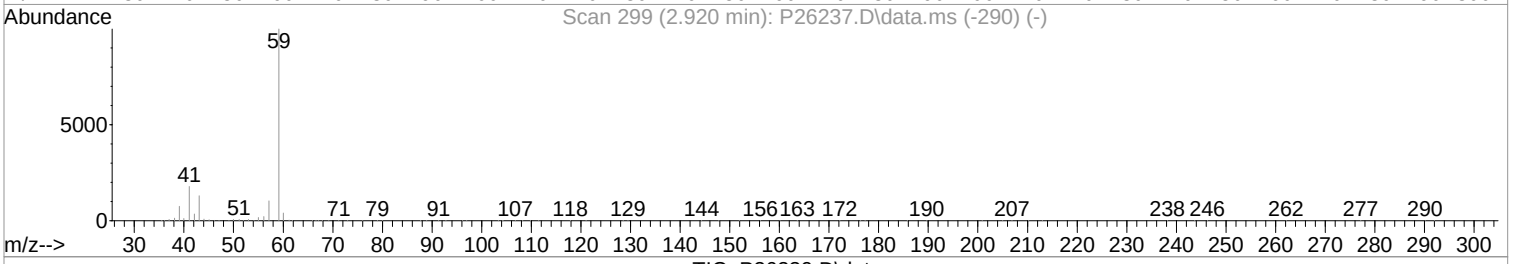
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26239.D
Acq On : 1 May 2019 3:20 pm
Operator : K.Ruest
Sample : 150ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 01 16:33:58 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26239.D\data.ms

(23) TBA

2.932min (+0.012) 1886.88 ppb

response 1587840

Ion	Exp%	Act%
59.00	100	100
41.00	18.20	17.97
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

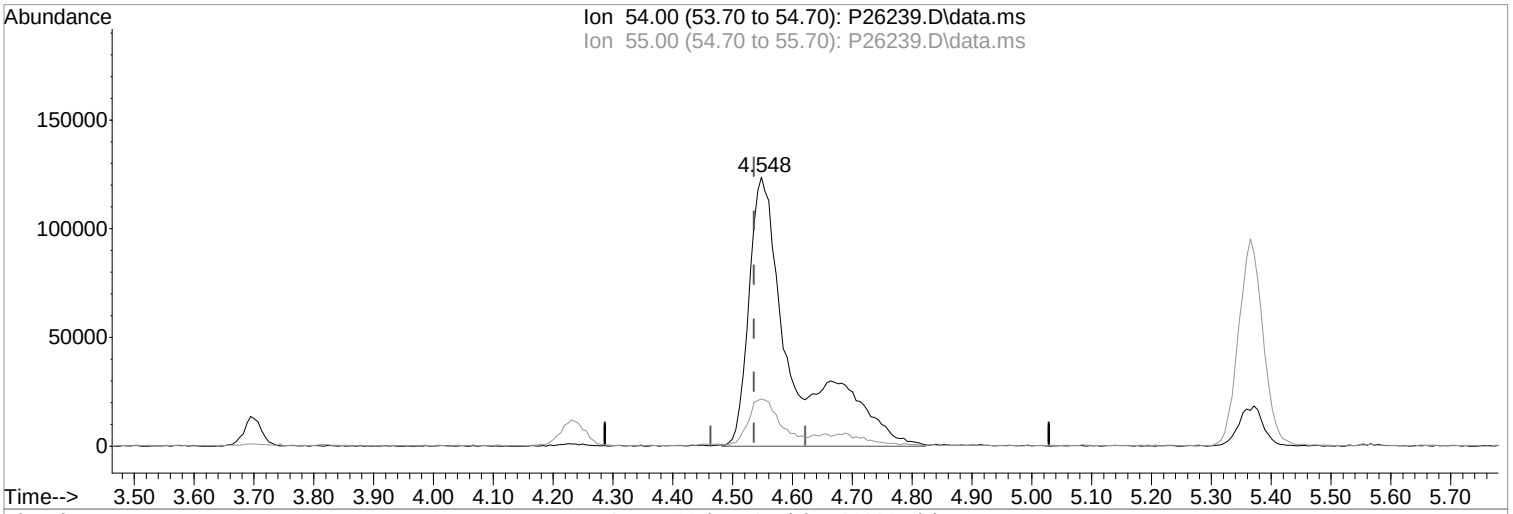
05/01/19

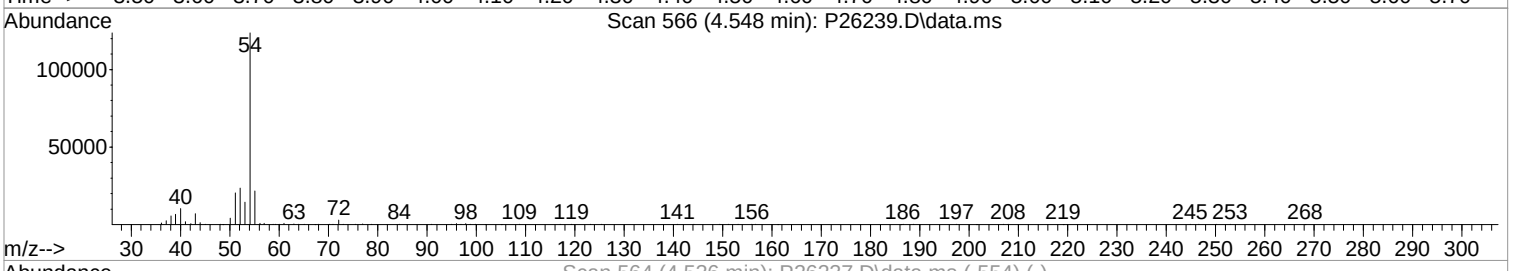
1st 05/01/19
2nd 05/02/19

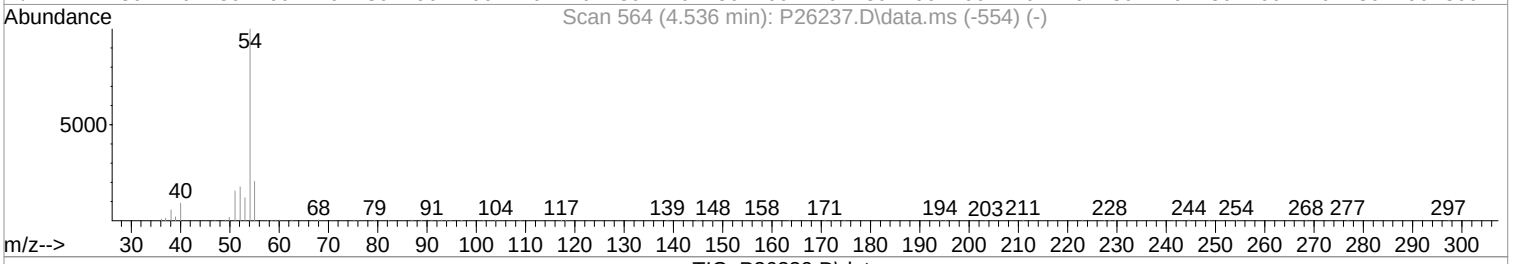
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26239.D
Acq On : 1 May 2019 3:20 pm
Operator : K.Ruest
Sample : 150ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 01 16:33:58 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26239.D\data.ms

(36) Propionitrile

4.548min (+0.012) 727.93 ppb m

response 632876

Ion	Exp%	Act%
54.00	100	100
55.00	21.30	17.59
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

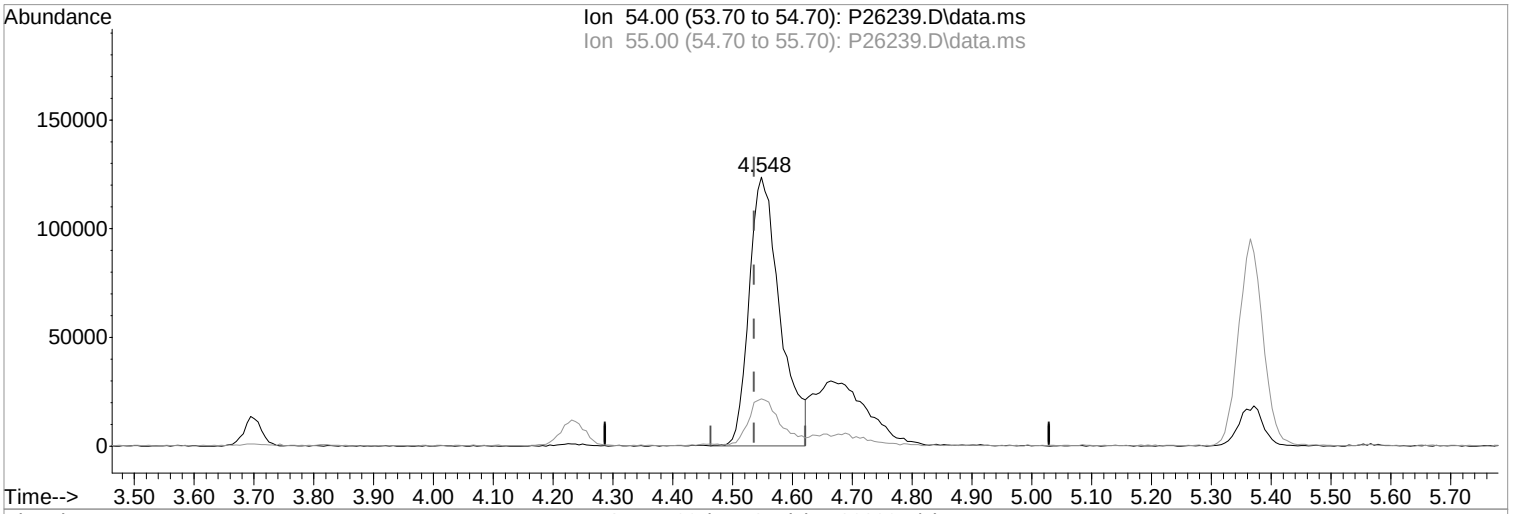
05/01/19

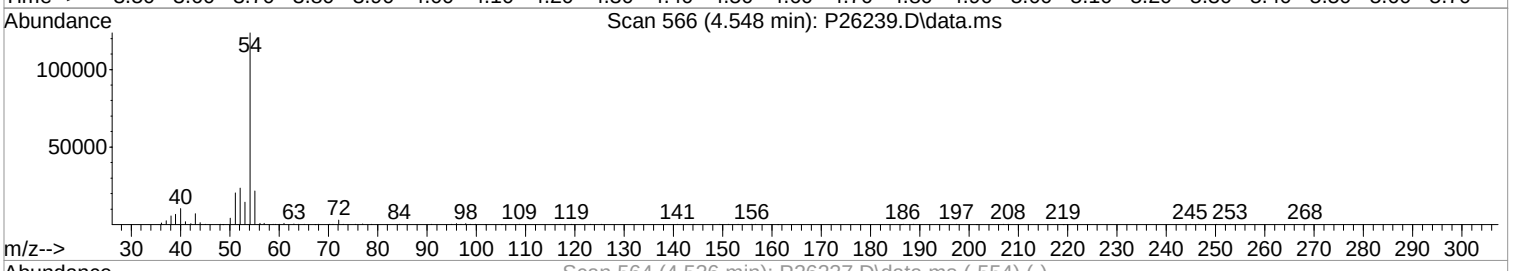
1st 05/01/19
2nd 05/02/19

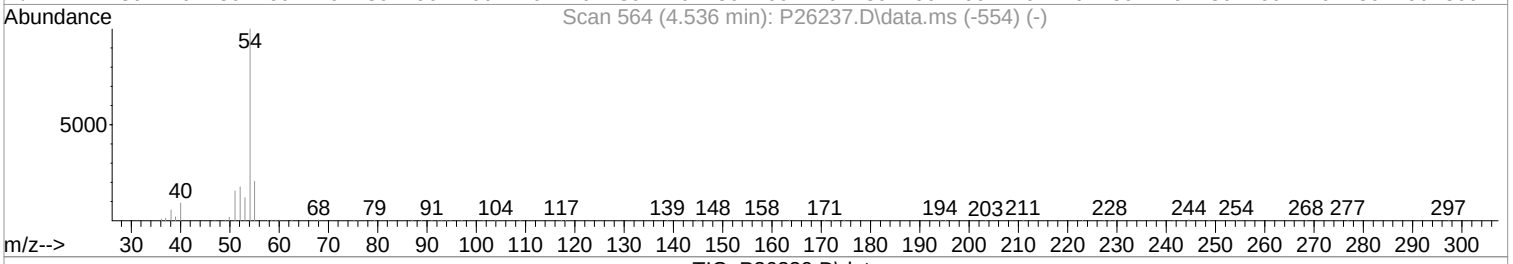
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26239.D
Acq On : 1 May 2019 3:20 pm
Operator : K.Ruest
Sample : 150ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 01 16:33:58 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26239.D\data.ms

(36) Propionitrile

4.548min (+0.012) 511.36 ppb

response 444588

Ion	Exp%	Act%
54.00	100	100
55.00	21.30	17.59
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

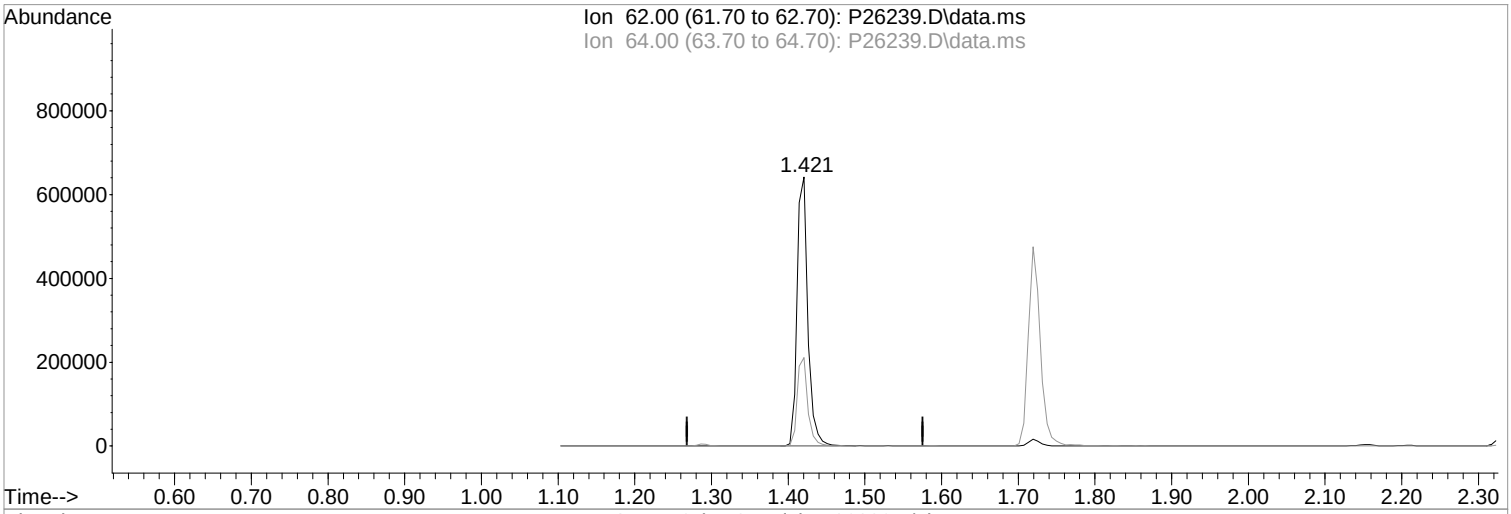
Before

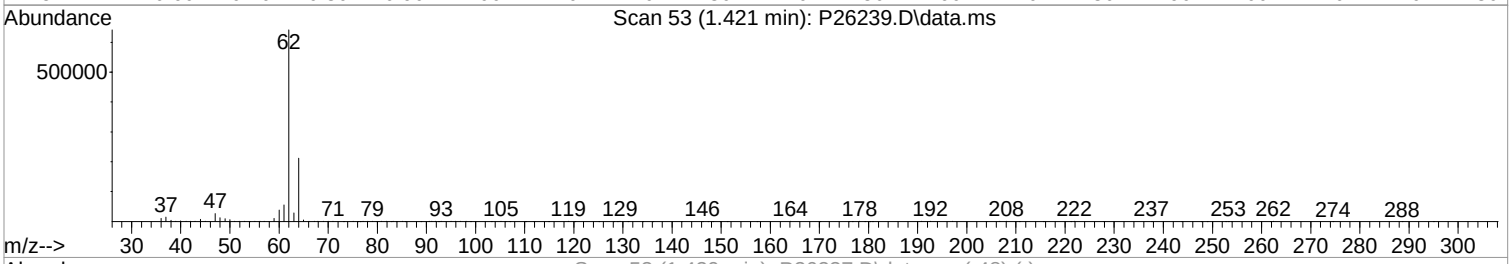
05/01/19

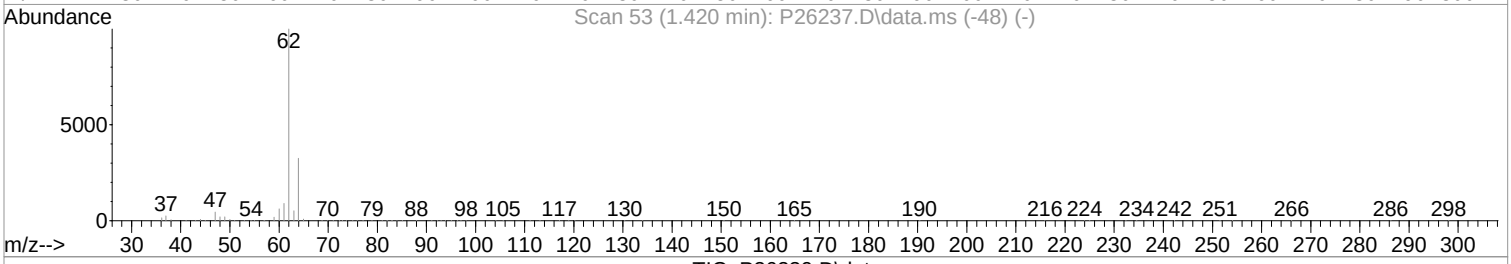
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26239.D
Acq On : 1 May 2019 3:20 pm
Operator : K.Ruest
Sample : 150ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 01 16:33:58 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26239.D\data.ms

(4) Vinyl Chloride (P)

1.421min (+0.006) 135.90 ppb m

response 629537

Ion	Exp%	Act%
62.00	100	100
64.00	32.50	32.94
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

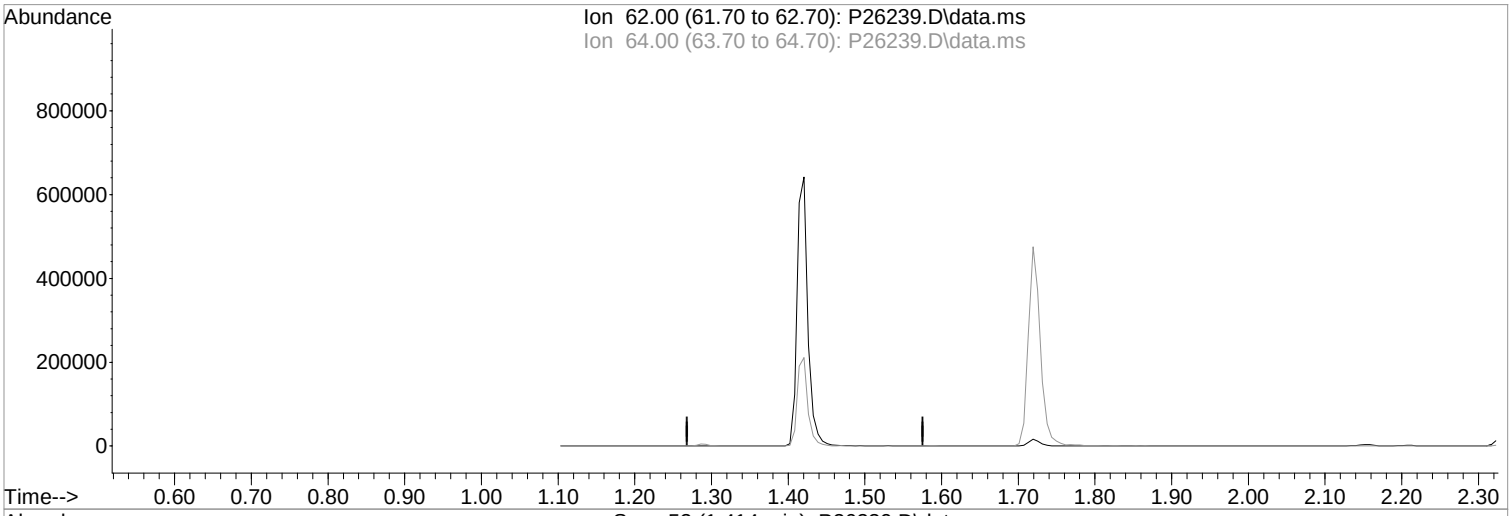
Peak not found.

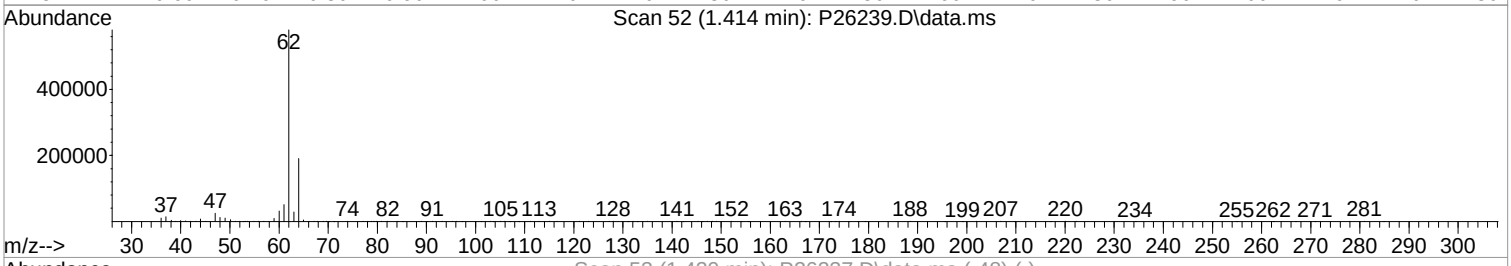
05/01/19

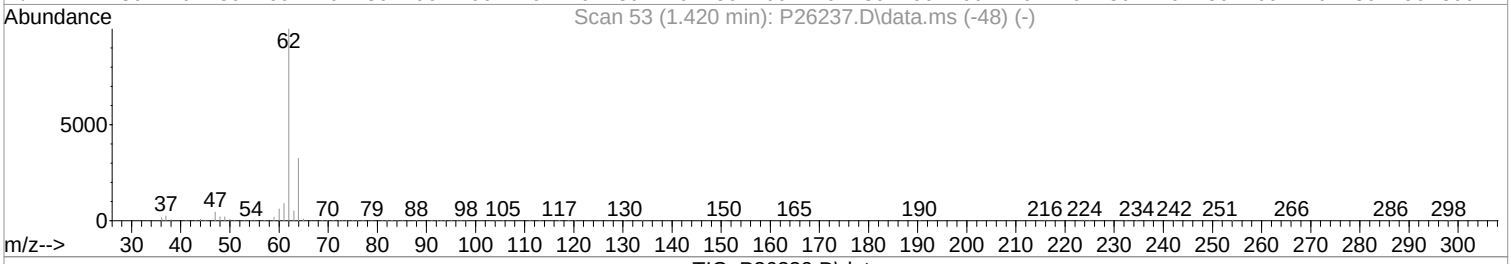
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26239.D
Acq On : 1 May 2019 3:20 pm
Operator : K.Ruest
Sample : 150ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 01 16:33:58 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26239.D\data.ms

(4) Vinyl Chloride (P)

1.414min (-1.414) 0.00 ppb

response 0

Ion	Exp%	Act%
62.00	100	0.00
64.00	32.50	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

05/01/19

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26239.D
Acq On : 1 May 2019 3:20 pm
Operator : K.Ruest
Sample : 150ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 01 17:53:46 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.414	168	440679	50.00	ppb		0.00
43) 1,4-Difluorobenzene	6.493	114	575942	50.00	ppb		0.00
71) d5-Chlorobenzene	9.791	117	522596	50.00	ppb		0.00
86) 1,4-Dichlorobenzene-d4	11.839	152	328205	50.00	ppb		0.00
System Monitoring Compounds							
45) surr4,Dibrflmethane	5.267	113	624790	188.69	ppb		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 377.38%#				
48) surr1,1,2-dichloroetha...	5.798	65	646357	178.92	ppb		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 357.84%#				
65) SURR3,Toluene-d8	8.303	98	2421710	176.17	ppb		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 352.34%#				
70) SURR2,BFB	10.864	95	959930	178.69	ppb		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 357.38%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.219	85	579961	139.75	ppb		98
3) Chloromethane	1.341	50	485692	128.87	ppb		96
4) Vinyl Chloride	1.421	62	629537m	135.90	ppb		
5) Bromomethane	1.646	94	535398	115.70	ppb		98
6) Chloroethane	1.719	64	521739	136.93	ppb		98
7) Freon 21	1.866	67	1030094	154.26	ppb		99
8) Trichlorofluoromethane	1.914	101	826823	143.55	ppb		97
9) Diethyl Ether	2.152	59	423423	126.84	ppb		97
10) Freon 123a	2.152	67	501085	122.41	ppb		97
11) Freon 123	2.207	83	624297	130.57	ppb		98
12) Acrolein	2.256	56	510617	643.91	ppb		95
13) 1,1-Diclethene	2.341	96	481937	131.53	ppb		90
14) Freon 113	2.341	101	444186	136.92	ppb		83
15) Acetone	2.390	43	214264m	121.19	ppb		
16) 2-Propanol	2.530	45	1467659m	3212.71	ppb		
17) Iodomethane	2.469	142	801095	196.45	ppb		98
18) Carbon Disulfide	2.530	76	1185186	134.27	ppb		100
19) Acetonitrile	2.640	40	84593	411.03	ppb	#	80
20) Allyl Chloride	2.670	76	267896	139.74	ppb		95
21) Methyl Acetate	2.695	43	596472	156.38	ppb		95
22) Methylene Chloride	2.786	84	503688	122.71	ppb		96
23) TBA	2.932	59	2617087m	3109.97	ppb		
24) Acrylonitrile	3.042	53	1249419	649.95	ppb		98
25) Methyl-t-Butyl Ether	3.091	73	1728574	129.88	ppb		99
26) trans-1,2-Dichloroethene	3.079	96	531096	132.18	ppb		95
28) 1,1-Diclethane	3.573	63	842249	128.22	ppb		99
29) Vinyl Acetate	3.670	86	123500	150.49	ppb		99
30) DIPE	3.707	45	1349553	131.20	ppb		97
31) 2-Chloro-1,3-Butadiene	3.701	53	610052	123.42	ppb		94
32) ETBE	4.231	59	1476667	130.07	ppb		99
33) 2,2-Dichloropropane	4.408	77	791020	131.58	ppb		97
34) cis-1,2-Dichloroethene	4.414	96	587429	123.75	ppb		91
35) 2-Butanone	4.463	43	300865	123.49	ppb		98
36) Propionitrile	4.548	54	632876m	727.93	ppb		
37) Bromochloromethane	4.804	130	438568	137.66	ppb		95
38) Methacrylonitrile	4.810	67	310197	130.10	ppb		98
39) Tetrahydrofuran	4.902	42	208386	125.75	ppb		93
40) Chloroform	4.987	83	865776	124.18	ppb		99
41) 1,1,1-Trichloroethane	5.279	97	840804	129.40	ppb		97

1st 05/01/19
2nd 05/02/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26239.D
Acq On : 1 May 2019 3:20 pm
Operator : K.Ruest
Sample : 150ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 01 17:53:46 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) TAME	6.115	73	1590606	133.17	ppb	98
44) Cyclohexane	5.365	41	395012	127.29	ppb	94
46) Carbontetrachloride	5.554	117	759829	151.76	ppb	97
47) 1,1-Dichloropropene	5.566	75	637378	137.48	ppb	99
49) Benzene	5.877	78	2025034	135.68	ppb	100
50) 1,2-Dichloroethane	5.920	62	703350	132.95	ppb	97
51) Iso-Butyl Alcohol	5.901	43	1015180	3165.31	ppb	98
52) n-Heptane	6.365	43	529901	133.51	ppb	95
53) 1-Butanol	6.858	56	1887594	8628.73	ppb	99
54) Trichloroethene	6.816	130	672035	144.90	ppb	97
55) Methylcyclohexane	7.054	55	574010	132.51	ppb	90
56) 1,2-Diclpropane	7.096	63	495153	138.36	ppb	97
57) Dibromomethane	7.236	93	368273	146.14	ppb	91
58) 1,4-Dioxane	7.328	88	305304	3135.92	ppb	94
59) Methyl Methacrylate	7.328	69	507973	143.64	ppb	88
60) Bromodichloromethane	7.462	83	699795	140.90	ppb	96
61) 2-Nitropropane	7.749	41	403400	313.71	ppb	91
62) 2-Chloroethylvinyl Ether	7.870	63	377305	148.59	ppb	91
63) cis-1,3-Dichloropropene	8.005	75	878937	137.13	ppb	97
64) 4-Methyl-2-pentanone	8.212	43	650236	143.85	ppb	98
66) Toluene	8.376	91	2323309	137.64	ppb	96
67) trans-1,3-Dichloropropene	8.645	75	842265	147.08	ppb	97
68) Ethyl Methacrylate	8.785	69	871261	141.77	ppb	100
69) 1,1,2-Trichloroethane	8.834	97	562443	139.01	ppb	97
72) Tetrachloroethene	8.968	164	574896	153.01	ppb	98
73) 2-Hexanone	9.120	43	514991	146.73	ppb	99
74) 1,3-Dichloropropane	8.998	76	898160	142.17	ppb	98
75) Dibromochloromethane	9.224	129	691699	151.04	ppb	98
76) N-Butyl Acetate	9.279	43	951203	142.11	ppb	99
77) 1,2-Dibromoethane	9.321	107	624436	148.02	ppb	99
78) Chlorobenzene	9.815	112	1653110	143.89	ppb	98
79) 3-CBTF	9.833	180	1066522	161.66	ppb	97
80) 4-CBTF	9.888	180	935399	156.28	ppb	94
81) 1,1,1,2-Tetrachloroethane	9.907	131	653500	146.61	ppb	98
82) Ethylbenzene	9.937	106	896109	144.27	ppb	92
83) (m+p)Xylene	10.053	106	2219596	288.62	ppb	93
84) o-Xylene	10.407	106	1110264	142.59	ppb	93
85) Styrene	10.419	104	1818733	149.45	ppb	98
87) Bromoform	10.571	173	602853	158.38	ppb	98
88) 2-CBTF	10.650	180	1055926	146.22	ppb	98
89) Isopropylbenzene	10.742	105	2666465	129.17	ppb	96
90) Cyclohexanone	10.809	55	2977154	2890.58	ppb	98
91) trans-1,4-Dichloro-2-B...	11.047	53	225035	132.10	ppb	92
92) 1,1,2,2-Tetrachloroethane	10.998	83	814529	130.58	ppb	99
93) Bromobenzene	10.986	156	861389	138.40	ppb	98
94) 1,2,3-Trichloropropane	11.028	110	319521	136.46	ppb	100
95) n-Propylbenzene	11.102	91	2874122	128.41	ppb	95
96) 2-Chlorotoluene	11.163	91	1799990	129.29	ppb	99
97) 3-Chlorotoluene	11.217	91	1836637	139.61	ppb	96
98) 4-Chlorotoluene	11.254	91	2020478	126.94	ppb	98
99) 1,3,5-Trimethylbenzene	11.248	105	2301389	132.72	ppb	98
100) tert-Butylbenzene	11.522	119	2158547	136.26	ppb	97
101) 1,2,4-Trimethylbenzene	11.565	105	2331903	135.22	ppb	96
102) 3,4-DCBTF	11.626	214	947031	153.77	ppb	97
103) sec-Butylbenzene	11.705	105	2896587	130.65	ppb	99
104) p-Isopropyltoluene	11.827	119	2648871	137.36	ppb	97

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26239.D
Acq On : 1 May 2019 3:20 pm
Operator : K.Ruest
Sample : 150ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 01 17:53:46 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
105) 1,3-Dclbenz	11.784	146	1561330	140.47	ppb	98
106) 1,4-Dclbenz	11.857	146	1581894	139.12	ppb	96
107) 2,4-DCBTF	11.912	214	873821	157.53	ppb	99
108) 2,5-DCBTF	11.955	214	974134	157.97	ppb	99
109) n-Butylbenzene	12.156	91	2179848	135.87	ppb	97
110) 1,2-Dclbenz	12.162	146	1570819	141.87	ppb	98
111) 1,2-Dibromo-3-chloropr...	12.784	157	351151	158.75	ppb	98
112) Trielution Dichlorotol...	12.906	125	4125022	443.64	ppb	96
113) 1,3,5 Trichlorobenzene	12.955	180	1382730	157.21	ppb	99
114) Coelution Dichlorotoluene	13.229	125	3055383	294.52	ppb	97
115) 1,2,4-Tcbenzene	13.436	180	1464261	158.65	ppb	99
116) Hexachlorobt	13.577	225	643484	161.39	ppb	97
117) Naphthalen	13.632	128	3862216	144.48	ppb	98
118) 1,2,3-Tclbenzene	13.821	180	1487305	152.04	ppb	99
119) 2,4,5-Trichlorotolene	14.406	159	984128	166.21	ppb	97
120) 2,3,6-Trichlorotoluene	14.485	159	1138430	163.81	ppb	99

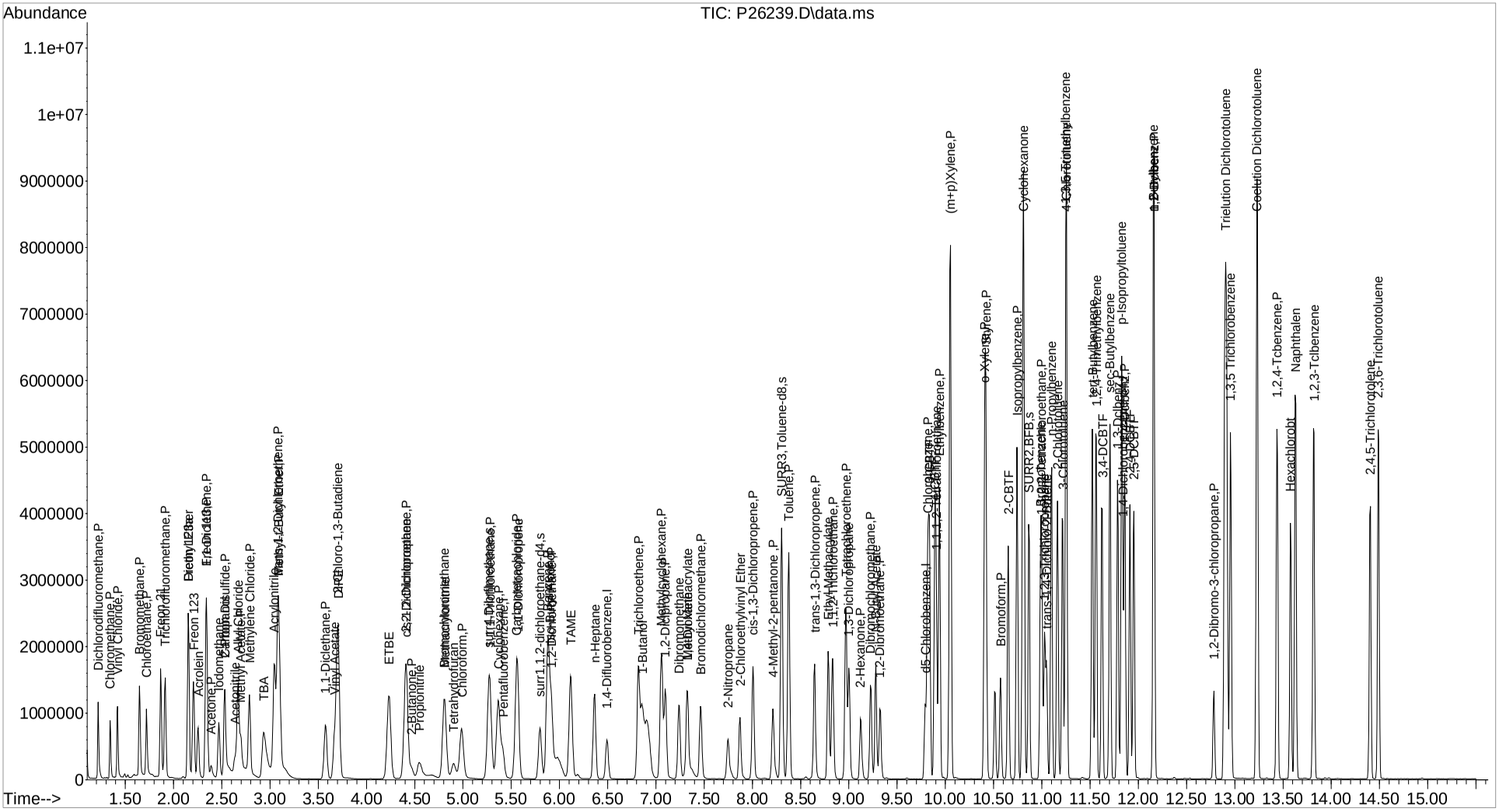
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26239.D
Acq On : 1 May 2019 3:20 pm
Operator : K.Ruest
Sample : 150ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 01 17:53:46 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration

1st 05/01/19
2nd 05/02/19

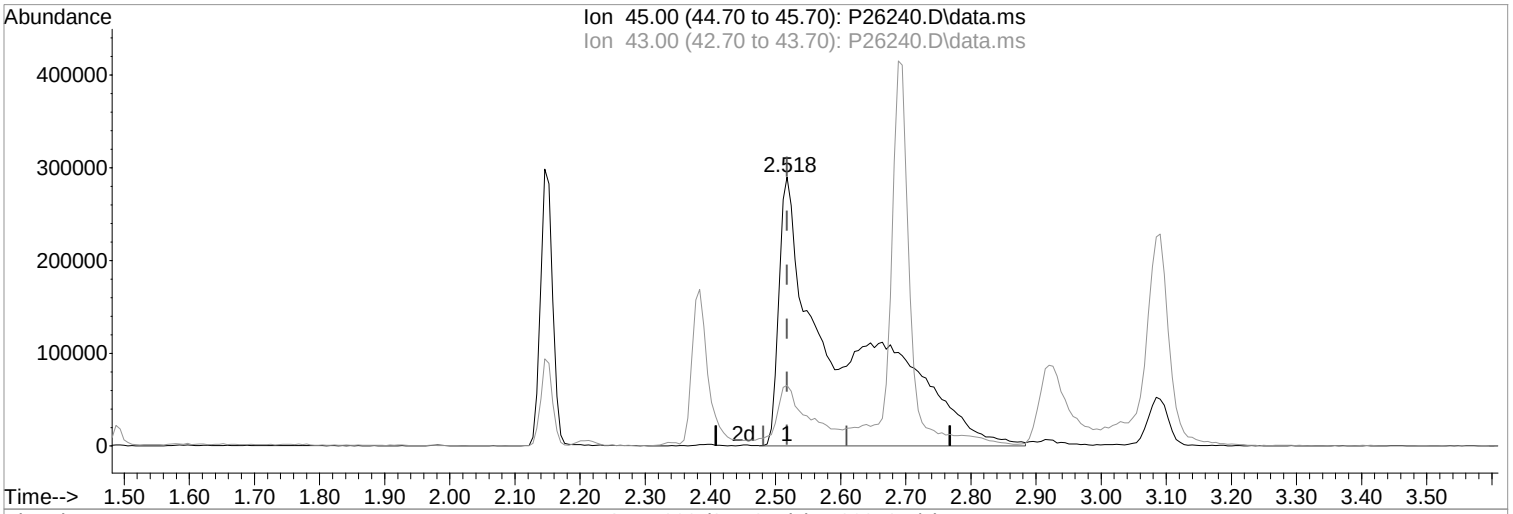


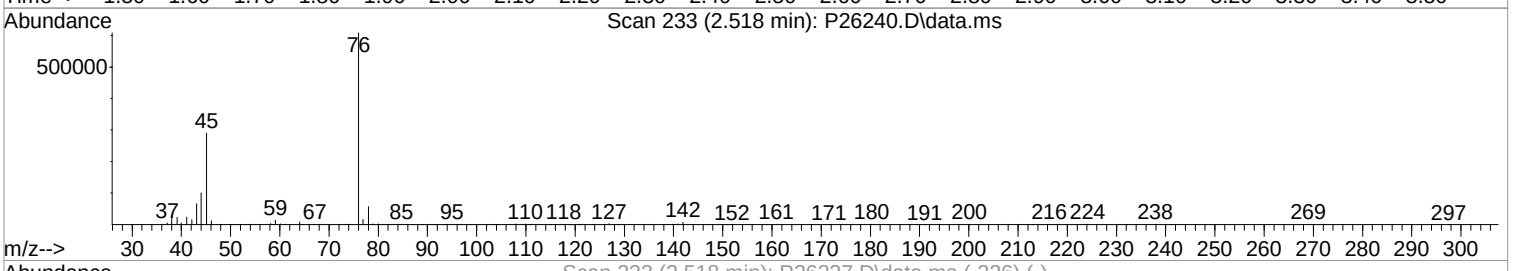
1st 05/01/19
2nd 05/02/19

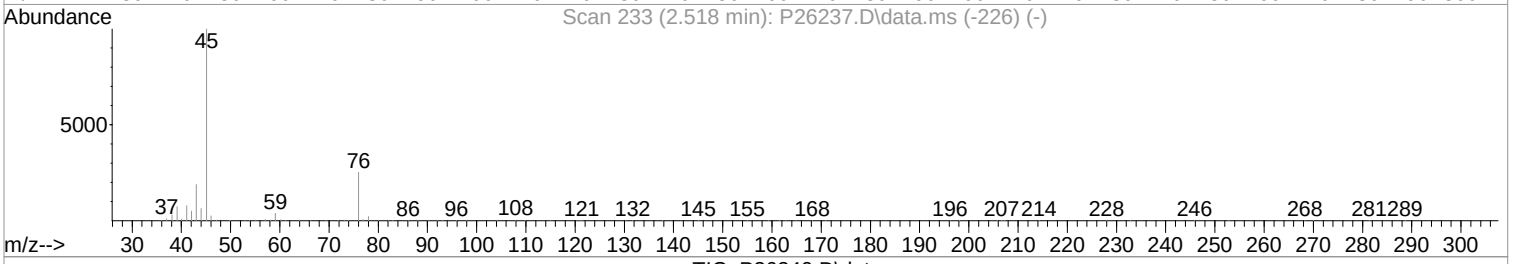
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26240.D
Acq On : 1 May 2019 3:42 pm
Operator : K.Ruest
Sample : 200ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 01 16:34:01 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26240.D\data.ms

(16) 2-Propanol

2.518min (0.000) 4086.96 ppb m

response 1939575

Ion	Exp%	Act%
45.00	100	100
43.00	19.10	22.60
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

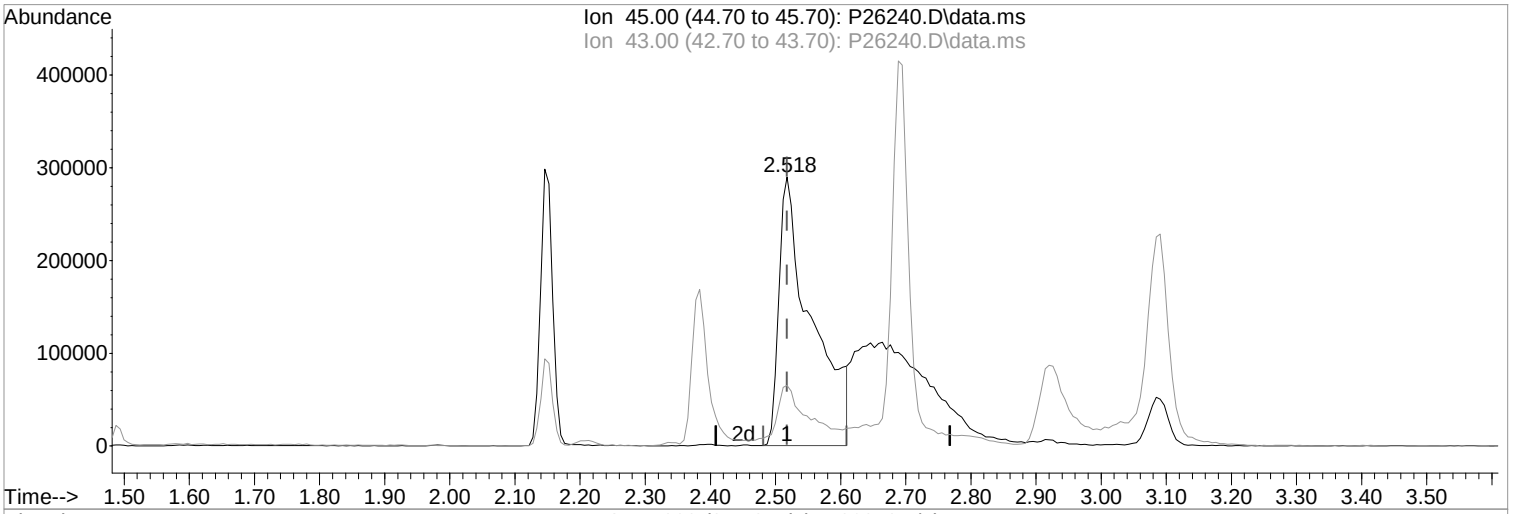
05/01/19

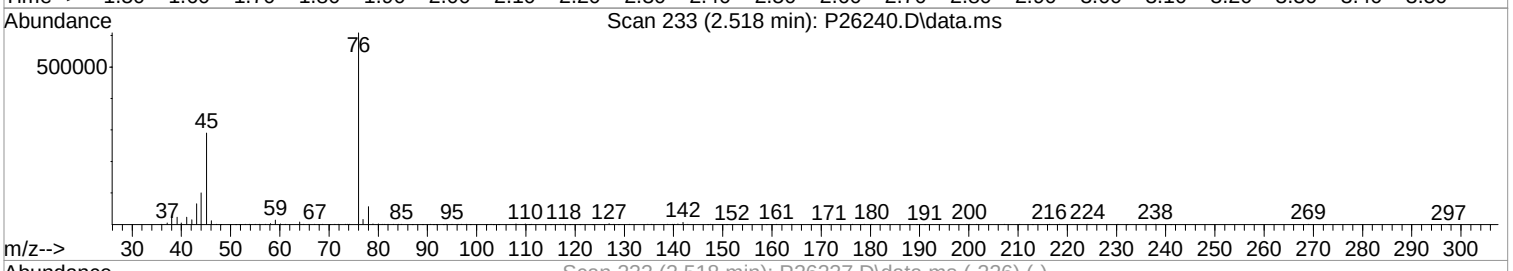
1st 05/01/19
2nd 05/02/19

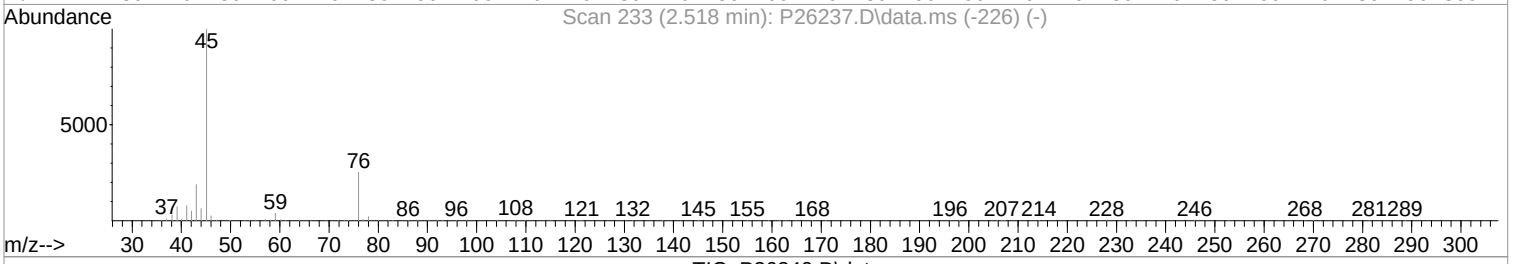
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26240.D
Acq On : 1 May 2019 3:42 pm
Operator : K.Ruest
Sample : 200ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 01 16:34:01 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26240.D\data.ms

(16) 2-Propanol

2.518min (0.000) 2120.60 ppb

response 1006387

Ion	Exp%	Act%
45.00	100	100
43.00	19.10	22.60
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

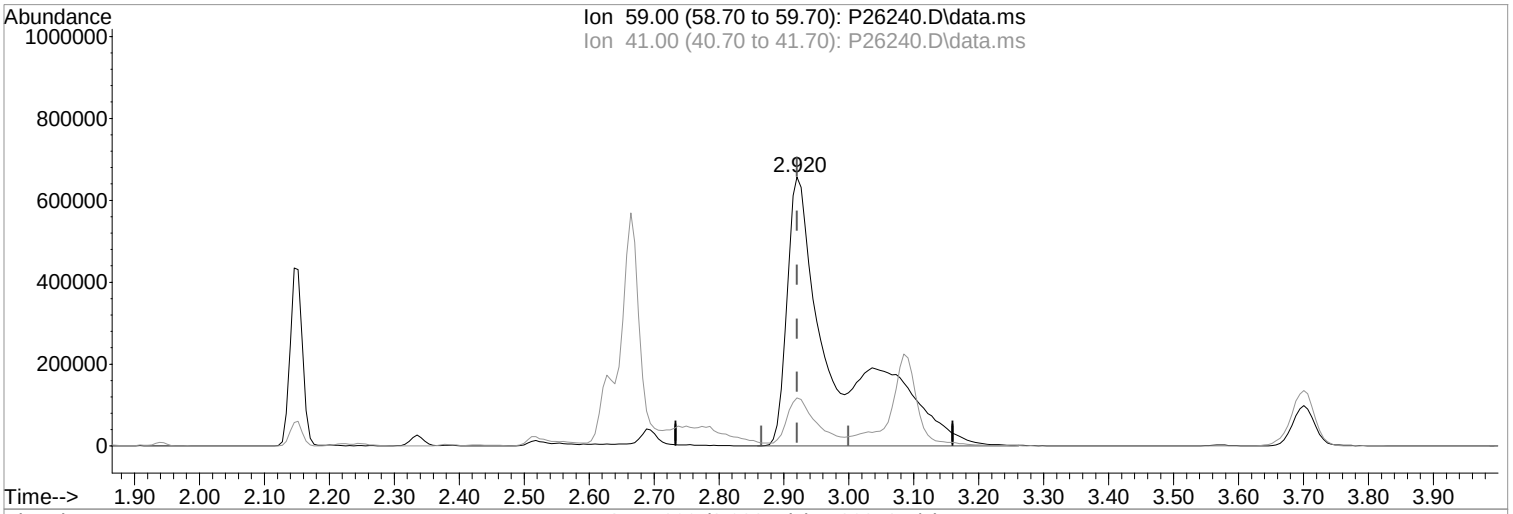
05/01/19

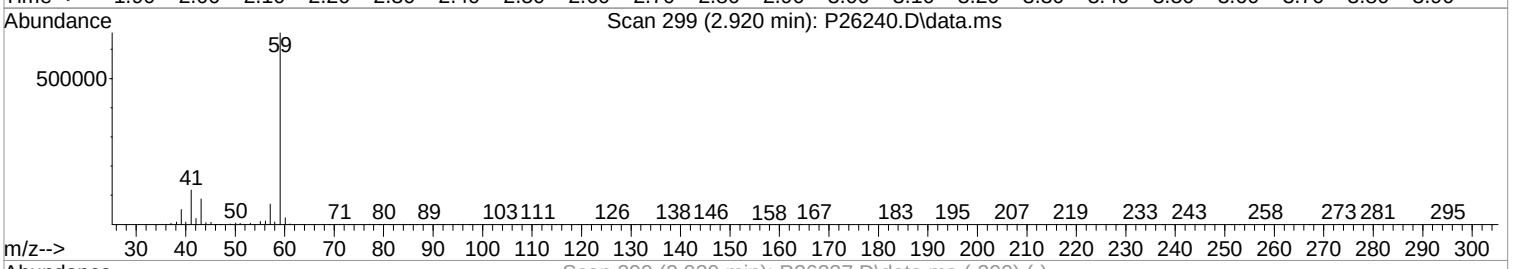
1st 05/01/19
2nd 05/02/19

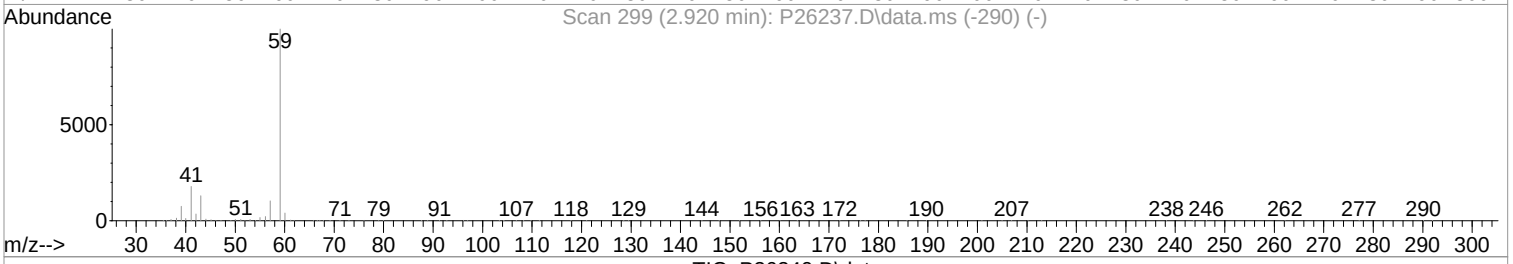
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26240.D
Acq On : 1 May 2019 3:42 pm
Operator : K.Ruest
Sample : 200ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 01 16:34:01 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26240.D\data.ms

(23) TBA

2.920min (0.000) 3922.12 ppb m

response 3428745

Ion	Exp%	Act%
59.00	100	100
41.00	18.20	17.89
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

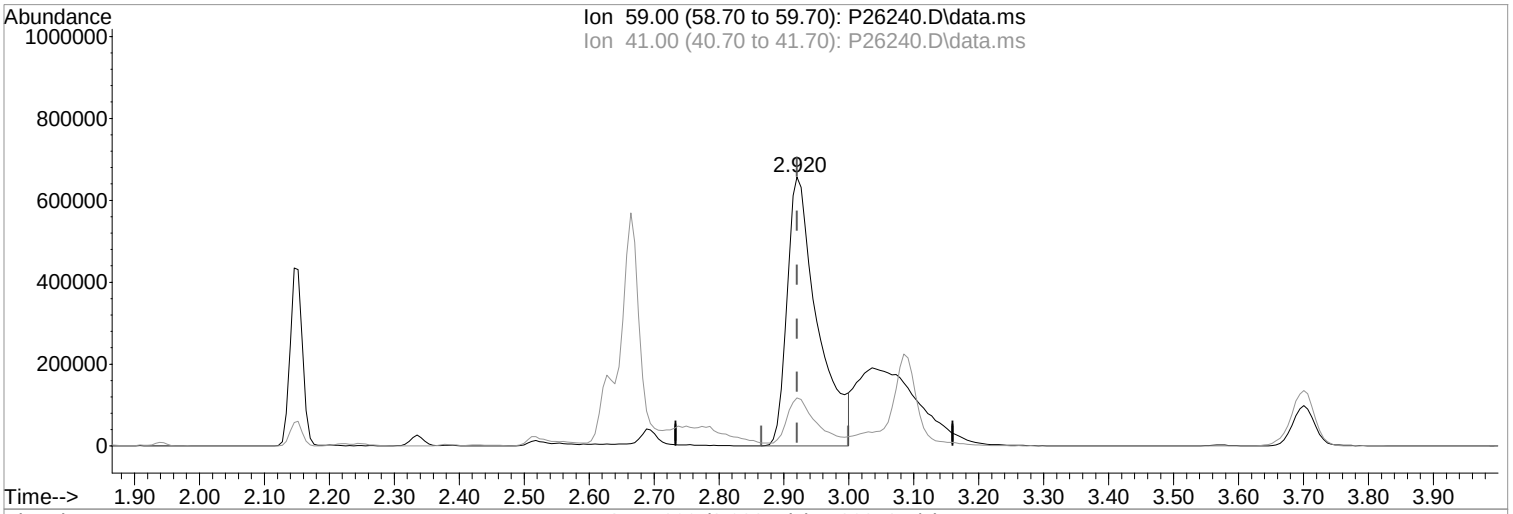
Poor integration.

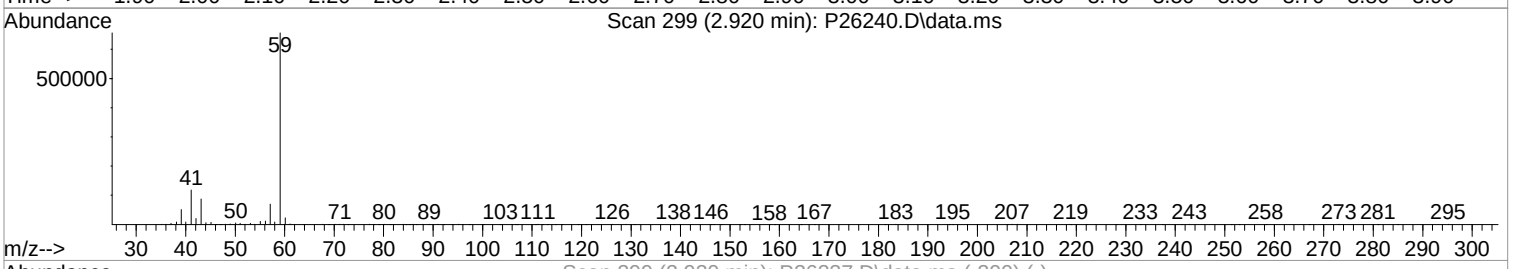
05/01/19

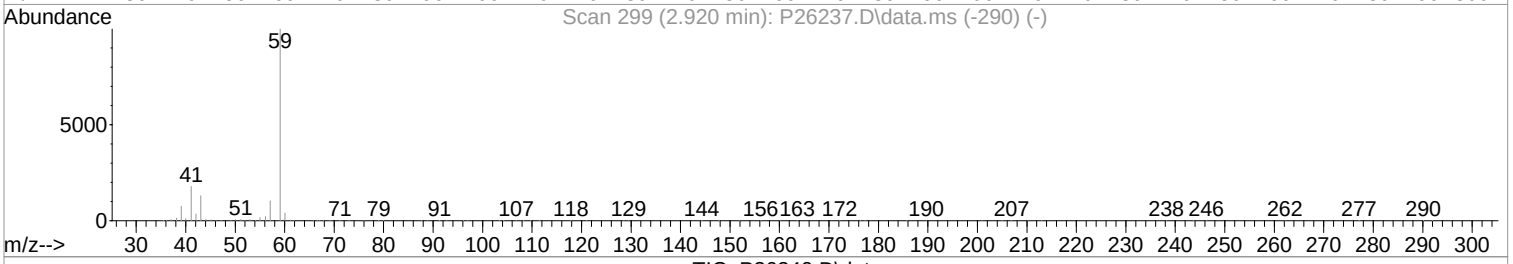
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26240.D
Acq On : 1 May 2019 3:42 pm
Operator : K.Ruest
Sample : 200ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 01 16:34:01 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26240.D\data.ms

(23) TBA

2.920min (0.000) 2438.67 ppb

response 2131899

Ion	Exp%	Act%
59.00	100	100
41.00	18.20	17.89
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

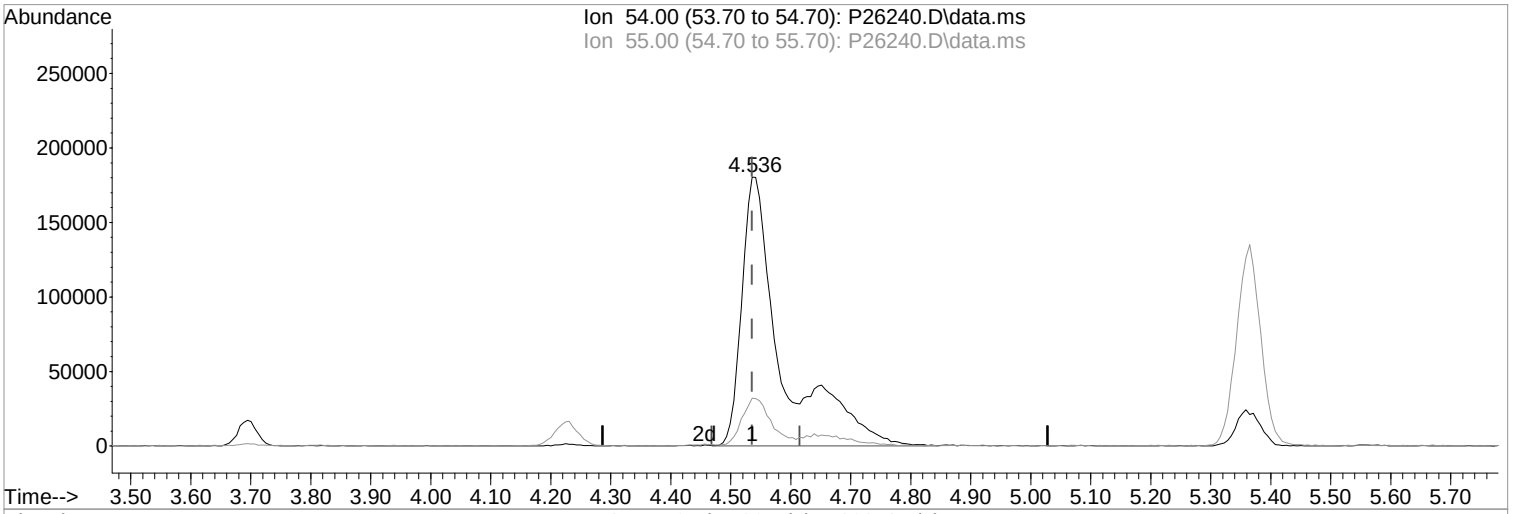
05/01/19

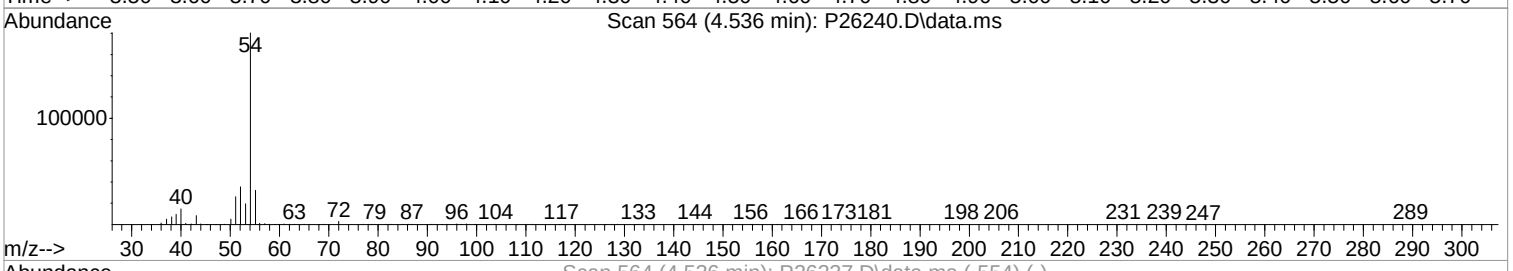
1st 05/01/19
2nd 05/02/19

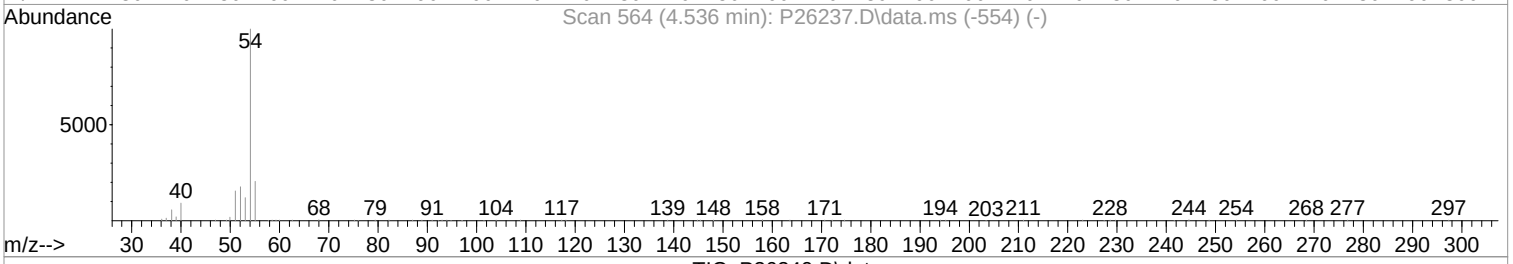
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26240.D
Acq On : 1 May 2019 3:42 pm
Operator : K.Ruest
Sample : 200ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 01 16:34:01 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26240.D\data.ms

(36) Propionitrile

4.536min (0.000) 928.67 ppb m

response 838772

Ion	Exp%	Act%
54.00	100	100
55.00	21.30	17.81
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

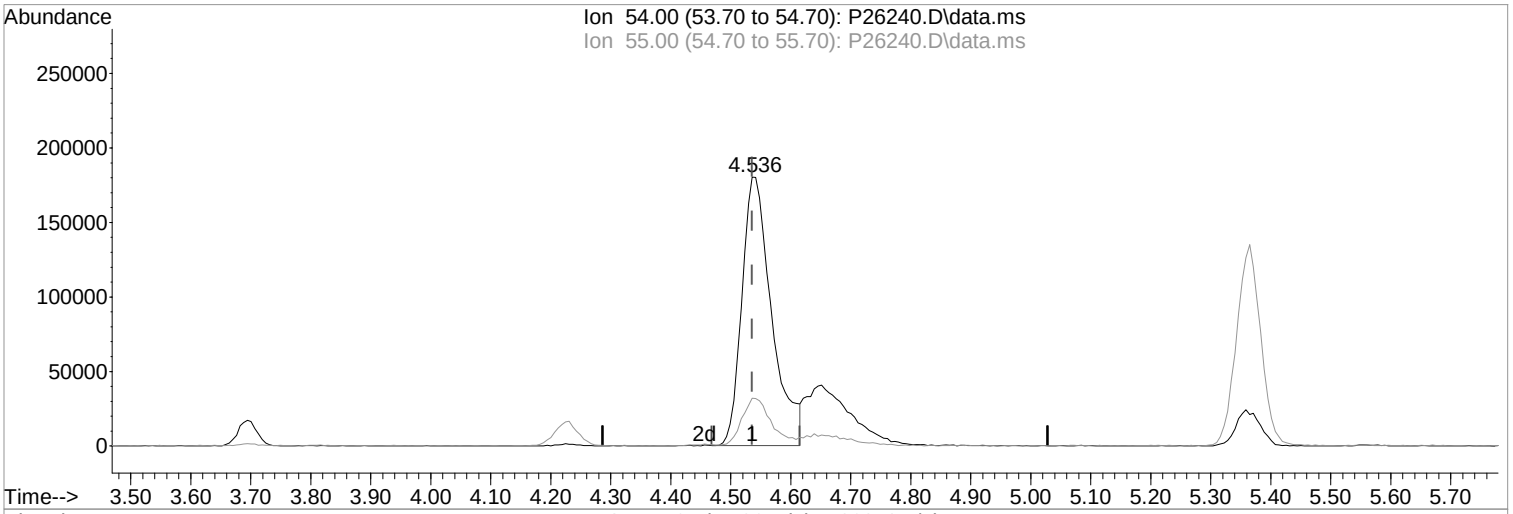
05/01/19

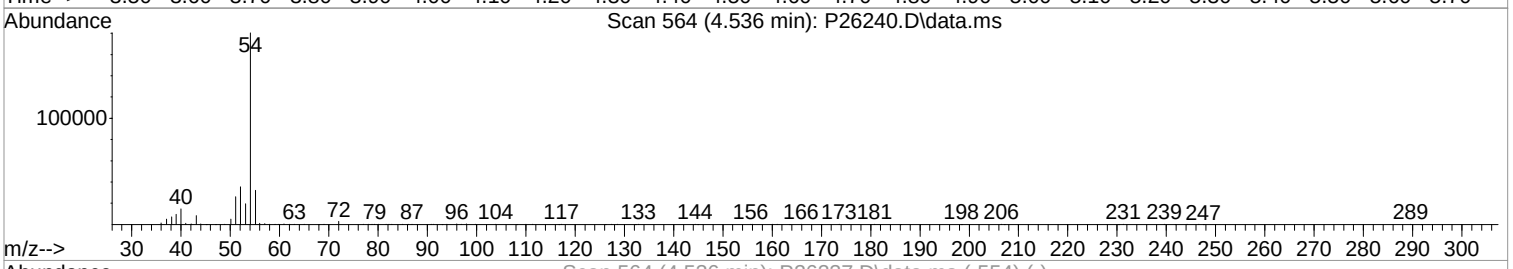
1st 05/01/19
2nd 05/02/19

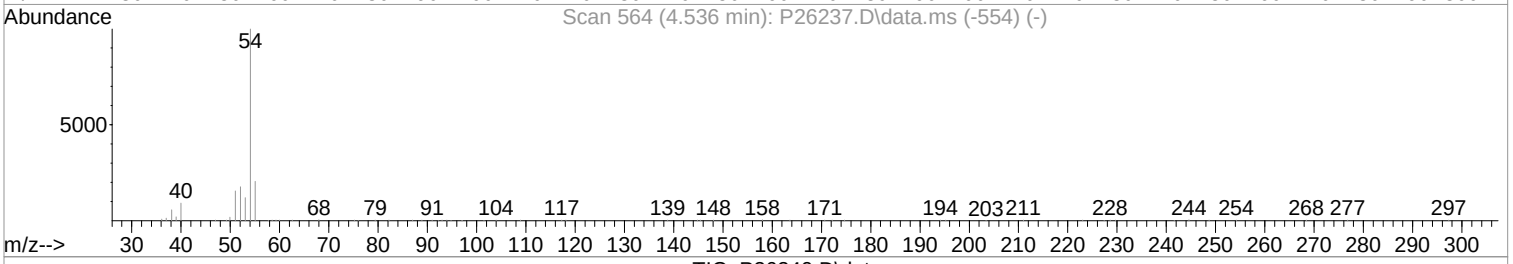
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26240.D
Acq On : 1 May 2019 3:42 pm
Operator : K.Ruest
Sample : 200ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 01 16:34:01 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26240.D\data.ms

(36) Propionitrile

4.536min (0.000) 688.43 ppb

response 621783

Ion	Exp%	Act%
54.00	100	100
55.00	21.30	17.81
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

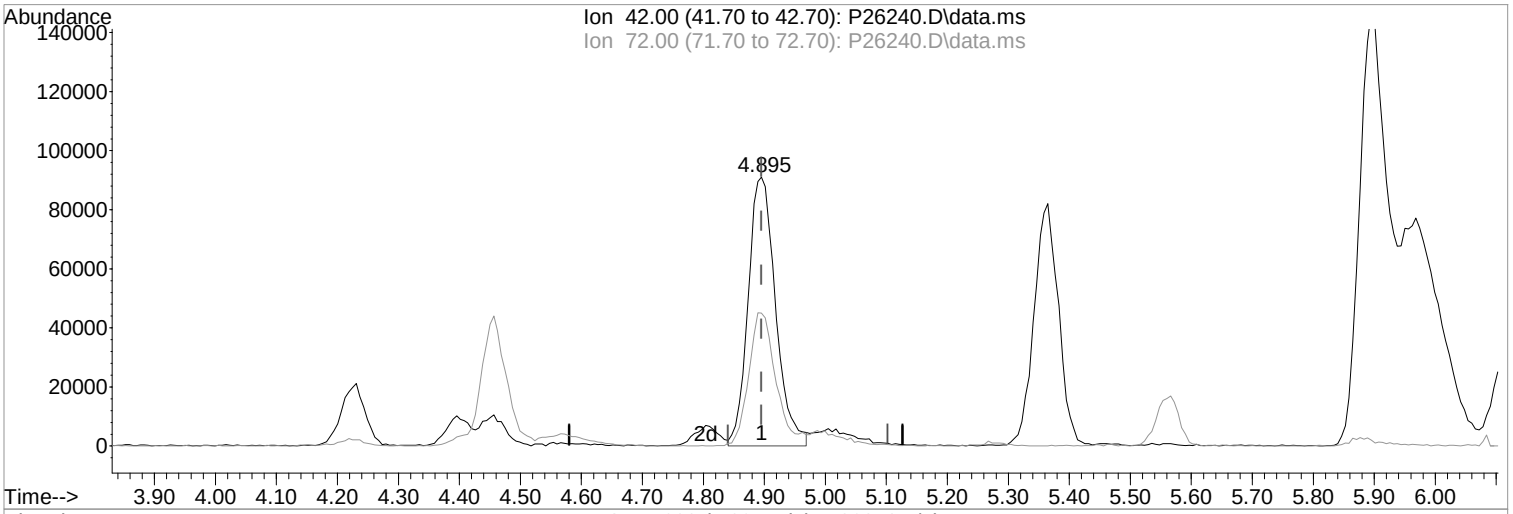
05/01/19

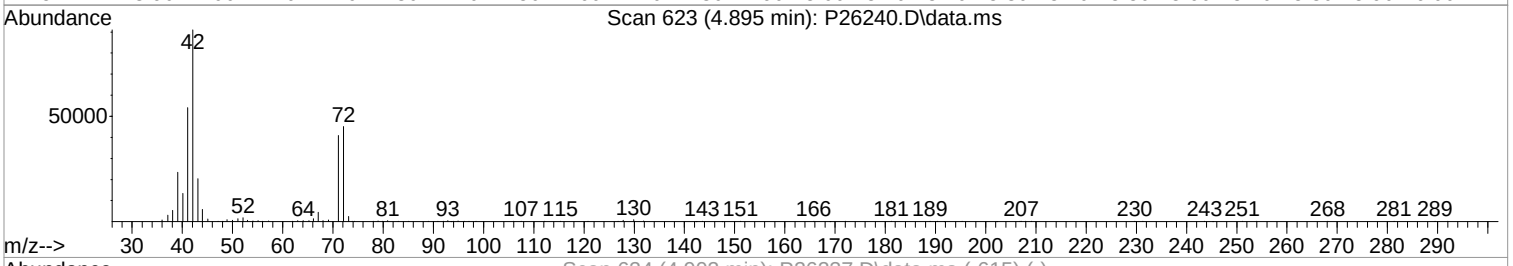
1st 05/01/19
2nd 05/02/19

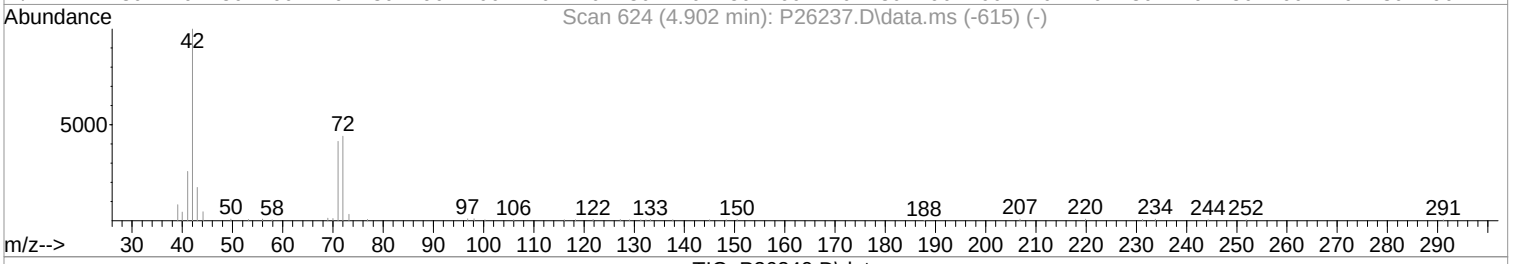
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26240.D
Acq On : 1 May 2019 3:42 pm
Operator : K.Ruest
Sample : 200ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 01 16:34:01 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26240.D\data.ms

(39) Tetrahydrofuran

4.895min (0.000) 165.33 ppb m

response 284613

Ion	Exp%	Act%
42.00	100	100
72.00	43.90	49.48
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

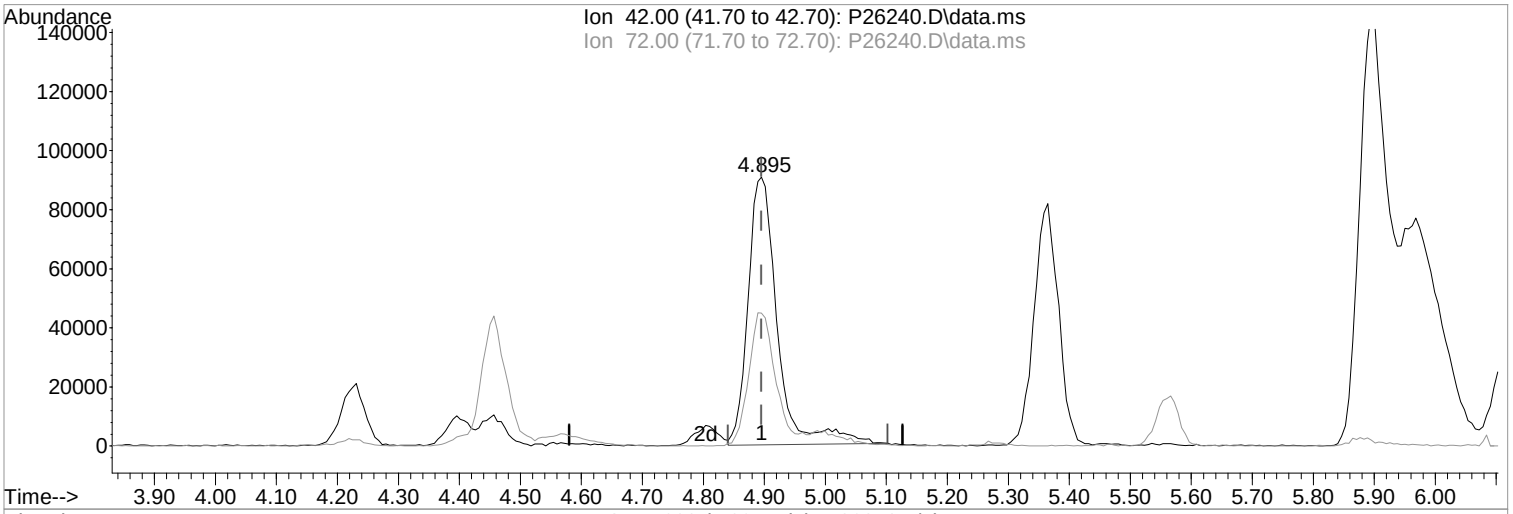
05/01/19

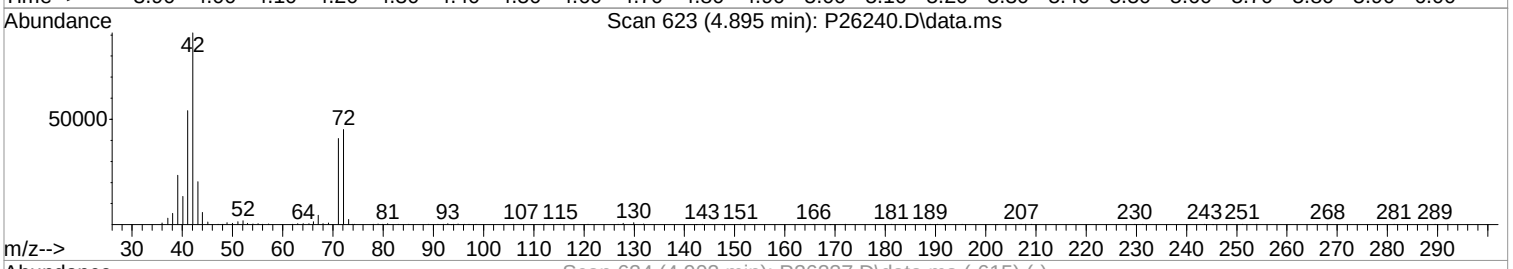
1st 05/01/19
2nd 05/02/19

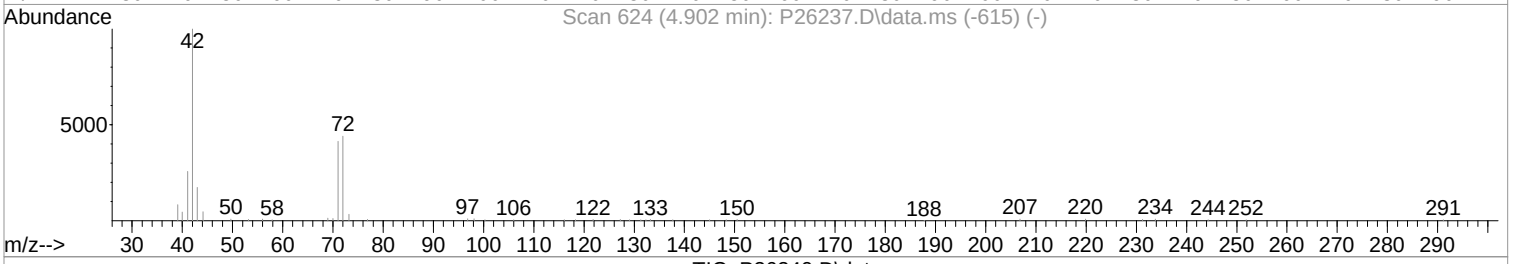
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26240.D
Acq On : 1 May 2019 3:42 pm
Operator : K.Ruest
Sample : 200ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 01 16:34:01 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration







TIC: P26240.D\data.ms

(39) Tetrahydrofuran

4.895min (0.000) 175.57 ppb

response 302248

Ion	Exp%	Act%
42.00	100	100
72.00	43.90	49.48
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

05/01/19

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26240.D
Acq On : 1 May 2019 3:42 pm
Operator : K.Ruest
Sample : 200ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 01 17:56:09 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.407	168	457798	50.00	ppb		0.00
43) 1,4-Difluorobenzene	6.493	114	581385	50.00	ppb		0.00
71) d5-Chlorobenzene	9.791	117	524540	50.00	ppb		0.00
86) 1,4-Dichlorobenzene-d4	11.839	152	342354	50.00	ppb		0.00
System Monitoring Compounds							
45) surr4,Dibrflmethane	5.267	113	170280	50.94	ppb		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 101.88%				
48) surr1,1,2-dichloroetha...	5.798	65	176633	48.44	ppb		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 96.88%				
65) SURR3,Toluene-d8	8.303	98	673897	48.56	ppb		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 97.12%				
70) SURR2,BFB	10.864	95	261765	48.27	ppb		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 96.54%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.213	85	826221	191.65	ppb		100
3) Chloromethane	1.341	50	718751	183.58	ppb		96
4) Vinyl Chloride	1.414	62	867674	180.31	ppb		98
5) Bromomethane	1.646	94	670698	139.52	ppb		99
6) Chloroethane	1.719	64	647661	163.63	ppb		100
7) Freon 21	1.865	67	1264821	182.33	ppb		100
8) Trichlorofluoromethane	1.914	101	1119000	187.01	ppb		99
9) Diethyl Ether	2.146	59	575043	165.82	ppb		98
10) Freon 123a	2.152	67	720900	169.53	ppb		93
11) Freon 123	2.201	83	891422	179.47	ppb		98
12) Acrolein	2.250	56	713412	866.01	ppb		96
13) 1,1-Diclethene	2.335	96	668018	175.50	ppb		92
14) Freon 113	2.341	101	626566	185.91	ppb		82
15) Acetone	2.384	43	295953	161.13	ppb		97
16) 2-Propanol	2.518	45	1939575m	4086.96	ppb		
17) Iodomethane	2.469	142	1180920	278.76	ppb		97
18) Carbon Disulfide	2.530	76	1662605	181.31	ppb		100
19) Acetonitrile	2.627	40	153069	715.94	ppb		90
20) Allyl Chloride	2.664	76	332017	166.71	ppb		94
21) Methyl Acetate	2.688	43	784070	197.87	ppb		97
22) Methylene Chloride	2.780	84	699327	164.00	ppb		97
23) TBA	2.920	59	3428745m	3922.12	ppb		
24) Acrylonitrile	3.036	53	1716087	859.33	ppb		99
25) Methyl-t-Butyl Ether	3.091	73	2346533	169.72	ppb		99
26) trans-1,2-Dichloroethene	3.079	96	738336	176.89	ppb		94
28) 1,1-Diclethane	3.572	63	1160261	170.03	ppb		99
29) Vinyl Acetate	3.664	86	170754	200.29	ppb	#	93
30) DIPE	3.700	45	1834756	171.70	ppb		98
31) 2-Chloro-1,3-Butadiene	3.694	53	854785	166.46	ppb		94
32) ETBE	4.225	59	1999168	169.51	ppb		99
33) 2,2-Dichloropropane	4.402	77	1078099	172.63	ppb		98
34) cis-1,2-Dichloroethene	4.408	96	815931	165.45	ppb		92
35) 2-Butanone	4.456	43	407400	160.96	ppb		97
36) Propionitrile	4.536	54	838772m	928.67	ppb		
37) Bromochloromethane	4.804	130	609525	184.16	ppb		92
38) Methacrylonitrile	4.810	67	404757	163.41	ppb		95
39) Tetrahydrofuran	4.895	42	284613m	165.33	ppb		
40) Chloroform	4.981	83	1201115	165.83	ppb		100
41) 1,1,1-Trichloroethane	5.273	97	1163880	172.42	ppb		96

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26240.D
Acq On : 1 May 2019 3:42 pm
Operator : K.Ruest
Sample : 200ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 01 17:56:09 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42)	TAME	6.115	73	2130901	171.73	ppb		98
44)	Cyclohexane	5.365	41	550933	175.87	ppb		99
46)	Carbontetrachloride	5.554	117	1062701	210.26	ppb		98
47)	1,1-Dichloropropene	5.560	75	903993	193.16	ppb		98
49)	Benzene	5.877	78	2802869	186.04	ppb		100
50)	1,2-Dichloroethane	5.913	62	955852	178.99	ppb		97
51)	Iso-Butyl Alcohol	5.895	43	1348561	4165.42	ppb		98
52)	n-Heptane	6.358	43	734225	183.26	ppb		97
53)	1-Butanol	6.852	56	2468851	11180.16	ppb		99
54)	Trichloroethene	6.816	130	947017	202.27	ppb		97
55)	Methylcyclohexane	7.053	55	798658	182.65	ppb		91
56)	1,2-Diclpropane	7.096	63	678093	187.70	ppb		100
57)	Dibromomethane	7.236	93	494478	194.38	ppb		85
58)	1,4-Dioxane	7.322	88	391429	3982.91	ppb		90
59)	Methyl Methacrylate	7.322	69	690650	193.46	ppb		90
60)	Bromodichloromethane	7.462	83	966990	192.87	ppb		96
61)	2-Nitropropane	7.742	41	550255	423.91	ppb		91
62)	2-Chloroethylvinyl Ether	7.870	63	515897	201.27	ppb		91
63)	cis-1,3-Dichloropropene	8.005	75	1215680	187.89	ppb		96
64)	4-Methyl-2-pentanone	8.212	43	884981	193.95	ppb		98
66)	Toluene	8.376	91	3148212	184.77	ppb		97
67)	trans-1,3-Dichloropropene	8.645	75	1141429	197.45	ppb		98
68)	Ethyl Methacrylate	8.785	69	1192271	192.19	ppb		99
69)	1,1,2-Trichloroethane	8.828	97	771065	188.79	ppb		98
72)	Tetrachloroethene	8.968	164	806156	213.76	ppb		98
73)	2-Hexanone	9.120	43	707292	200.78	ppb		98
74)	1,3-Dichloropropane	8.998	76	1213390	191.36	ppb		99
75)	Dibromochloromethane	9.224	129	964290	209.78	ppb		96
76)	N-Butyl Acetate	9.279	43	1295636	192.85	ppb		99
77)	1,2-Dibromoethane	9.321	107	846432	199.90	ppb		99
78)	Chlorobenzene	9.815	112	2266299	196.53	ppb		99
79)	3-CBTF	9.833	180	1511069	228.19	ppb		98
80)	4-CBTF	9.888	180	1333854	222.02	ppb		95
81)	1,1,1,2-Tetrachloroethane	9.907	131	909248	203.23	ppb		99
82)	Ethylbenzene	9.937	106	1261051	202.28	ppb	#	87
83)	(m+p)Xylene	10.053	106	3017864	390.97	ppb		89
84)	o-Xylene	10.406	106	1530892	195.88	ppb		93
85)	Styrene	10.419	104	2490966	203.93	ppb		97
87)	Bromoform	10.571	173	854932	215.33	ppb		99
88)	2-CBTF	10.650	180	1506887	200.05	ppb		98
89)	Isopropylbenzene	10.742	105	3632037	168.68	ppb		94
90)	Cyclohexanone	10.809	55	3869802	3601.99	ppb		95
91)	trans-1,4-Dichloro-2-B...	11.047	53	309301	174.06	ppb		96
92)	1,1,2,2-Tetrachloroethane	10.998	83	1123199	172.62	ppb		99
93)	Bromobenzene	10.986	156	1184677	182.47	ppb		98
94)	1,2,3-Trichloropropane	11.028	110	434941	178.08	ppb		98
95)	n-Propylbenzene	11.101	91	3908191	167.39	ppb		93
96)	2-Chlorotoluene	11.162	91	2481708	170.89	ppb		99
97)	3-Chlorotoluene	11.217	91	2536922	184.87	ppb		96
98)	4-Chlorotoluene	11.254	91	2803792	168.88	ppb		97
99)	1,3,5-Trimethylbenzene	11.254	105	3167505	175.12	ppb		95
100)	tert-Butylbenzene	11.522	119	2956089	178.89	ppb		97
101)	1,2,4-Trimethylbenzene	11.565	105	3200104	177.90	ppb		94
102)	3,4-DCBTF	11.626	214	1352016	210.46	ppb		98
103)	sec-Butylbenzene	11.705	105	3959664	171.22	ppb		97
104)	p-Isopropyltoluene	11.827	119	3629614	180.44	ppb		95

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26240.D
Acq On : 1 May 2019 3:42 pm
Operator : K.Ruest
Sample : 200ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 9 Sample Multiplier: 1

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Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration

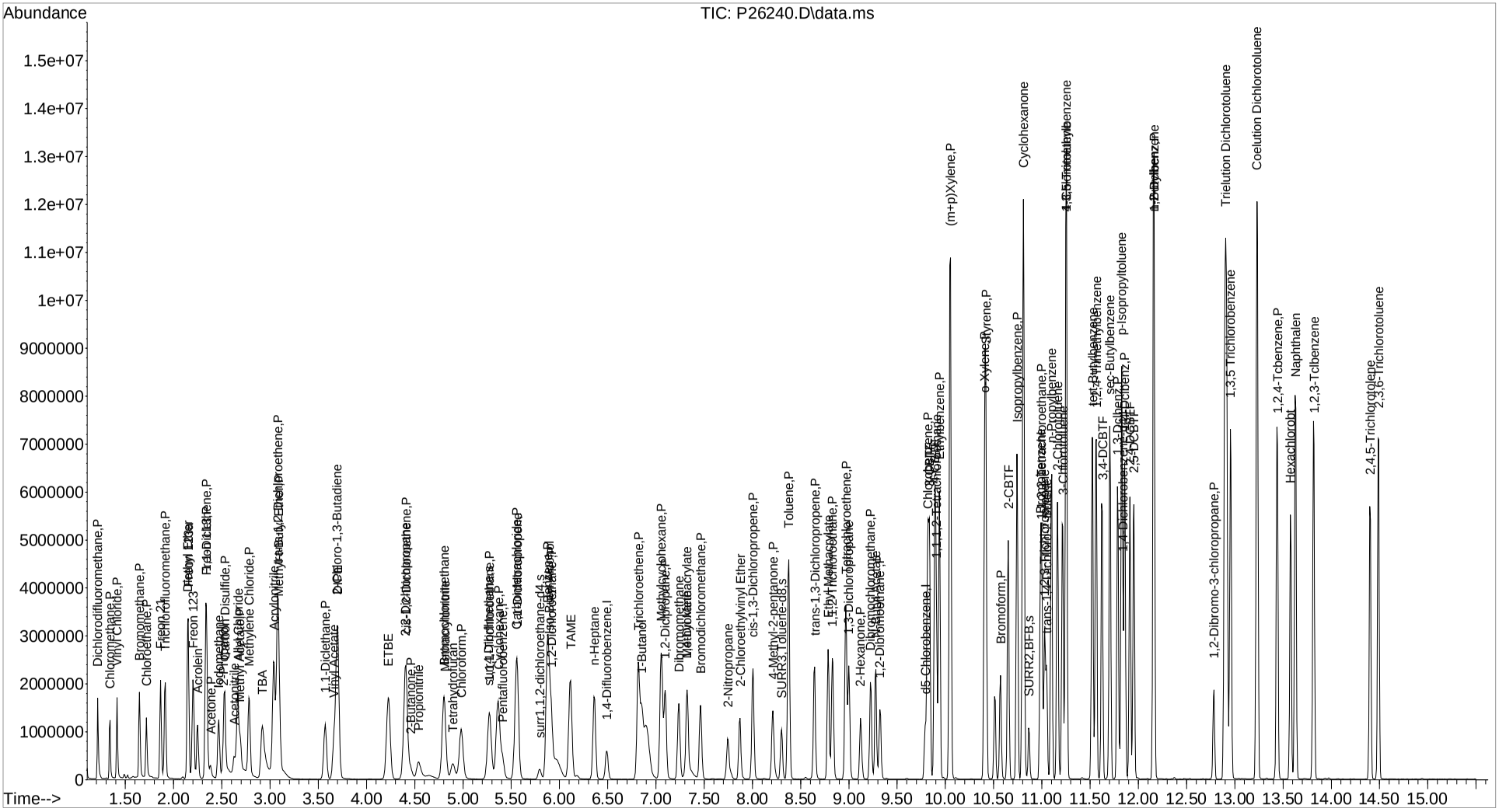
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
105) 1,3-Dclbenz	11.784	146	2179815	188.00	ppb	99
106) 1,4-Dclbenz	11.857	146	2191537	184.77	ppb	95
107) 2,4-DCBTF	11.912	214	1243961	215.00	ppb	99
108) 2,5-DCBTF	11.955	214	1391437	216.31	ppb	97
109) n-Butylbenzene	12.162	91	3014227	180.11	ppb	93
110) 1,2-Dclbenz	12.162	146	2181972	188.92	ppb	96
111) 1,2-Dibromo-3-chloropr...	12.784	157	497298	215.52	ppb	96
112) Trielution Dichlorotol...	12.906	125	5713013	589.03	ppb	94
113) 1,3,5 Trichlorobenzene	12.955	180	1954090	213.00	ppb	99
114) Coelution Dichlorotoluene	13.229	125	4166184	385.00	ppb	94
115) 1,2,4-Tcbenzene	13.442	180	2041619	212.07	ppb	99
116) Hexachlorobt	13.577	225	911915	219.26	ppb	98
117) Naphthalen	13.631	128	5113162	183.37	ppb	95
118) 1,2,3-Tclbenzene	13.820	180	2054004	201.30	ppb	99
119) 2,4,5-Trichlorotolene	14.400	159	1345387	217.84	ppb	98
120) 2,3,6-Trichlorotoluene	14.491	159	1555529	214.58	ppb	95

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26240.D
Acq On : 1 May 2019 3:42 pm
Operator : K.Ruest
Sample : 200ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 01 17:56:09 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration

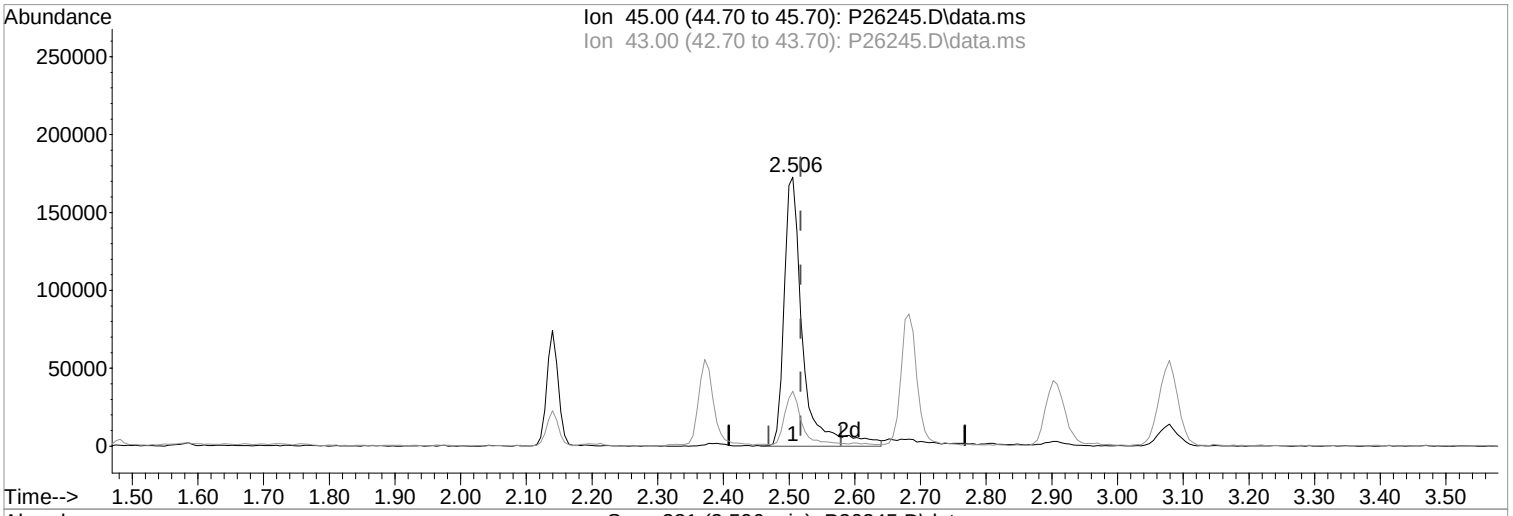


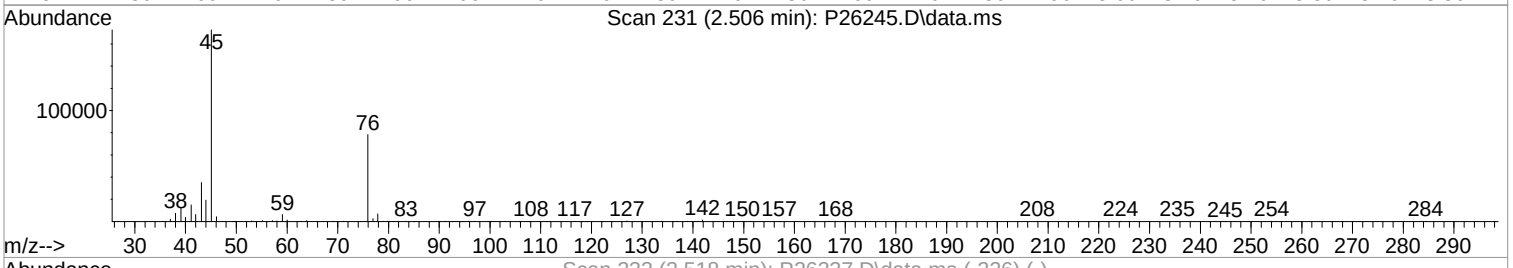
1st 05/02/19
2nd 05/02/19

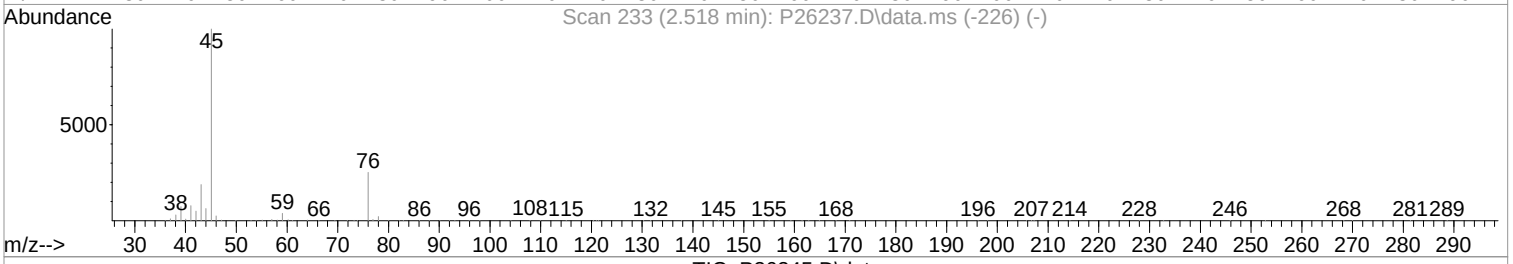
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26245.D
Acq On : 1 May 2019 5:31 pm
Operator : K.Ruest
Sample : ICV50 Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 02 11:41:43 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu May 02 11:39:03 2019
Response via : Initial Calibration







TIC: P26245.D\data.ms

(16) 2-Propanol

2.506min (-0.012) 902.32 ppb m

response 338785

Ion	Exp%	Act%
45.00	100	100
43.00	19.10	20.35
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

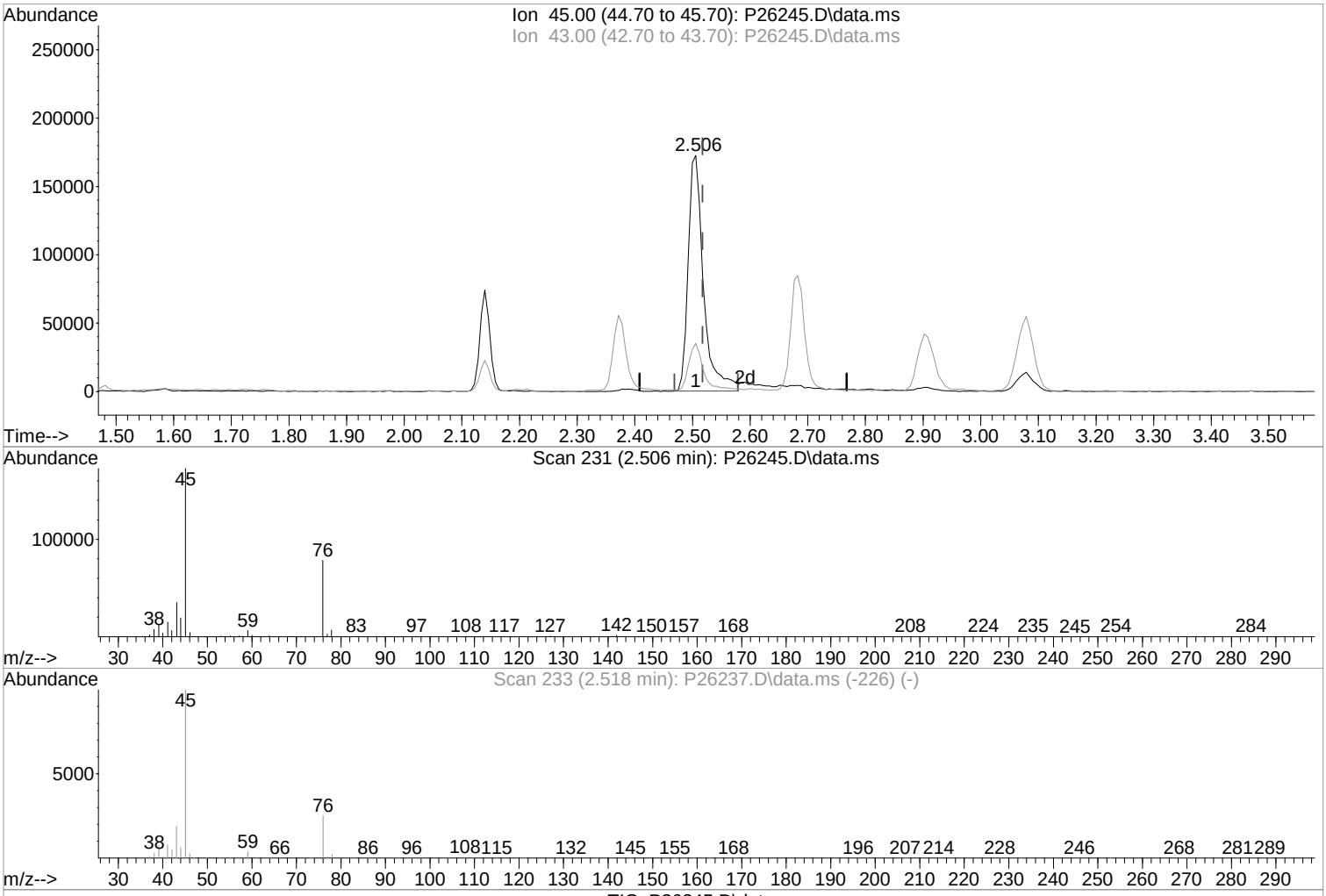
05/02/19

1st 05/02/19
2nd 05/02/19

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26245.D
Acq On : 1 May 2019 5:31 pm
Operator : K.Ruest
Sample : ICV50 Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 02 10:33:16 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu May 02 10:32:49 2019
Response via : Initial Calibration



TIC: P26245.D\data.ms

(16) 2-Propanol

2.506min (-0.012) 847.89 ppb

response 318348

Ion	Exp%	Act%
45.00	100	100
43.00	19.10	20.35
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

05/02/19

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26245.D
Acq On : 1 May 2019 5:31 pm
Operator : K.Ruest
Sample : ICV50 Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 02 11:42:36 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu May 02 11:39:03 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.402	168	353146	50.00	ppb		0.00
43) 1,4-Difluorobenzene	6.487	114	507921	50.00	ppb		0.00
71) d5-Chlorobenzene	9.791	117	464970	50.00	ppb		0.00
86) 1,4-Dichlorobenzene-d4	11.839	152	302672	50.00	ppb		0.00
System Monitoring Compounds							
45) surr4,Dibrflmethane	5.255	113	145780	49.92	ppb		-0.01
Spiked Amount 50.000	Range 89 - 119		Recovery = 99.84%				
48) surr1,1,2-dichloroetha...	5.792	65	163943	51.46	ppb		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 102.92%				
65) SURR3,Toluene-d8	8.297	98	615062	50.73	ppb		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 101.46%				
70) SURR2,BFB	10.864	95	250546	52.88	ppb		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 105.76%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.207	85	203711	61.82	ppb		100
3) Chloromethane	1.329	50	152029	50.58	ppb		98
4) Vinyl Chloride	1.402	62	195696	53.32	ppb		97
5) Bromomethane	1.634	94	179729	52.82	ppb		97
6) Chloroethane	1.713	64	131064	44.85	ppb		99
7) Freon 21	1.859	67	227340	43.10	ppb		100
8) Trichlorofluoromethane	1.908	101	243760	52.81	ppb		98
9) Diethyl Ether	2.140	59	129530	48.42	ppb		95
10) Freon 123a	2.140	67	143422	44.76	ppb		94
11) Freon 123	2.195	83	187245	48.87	ppb		95
12) Acrolein	2.237	56	58973	92.80	ppb		90
13) 1,1-Diclethene	2.329	96	145728	49.96	ppb		97
14) Freon 113	2.335	101	137120	52.74	ppb		91
15) Acetone	2.372	43	85842	61.90	ppb		96
16) 2-Propanol	2.506	45	338785m	902.32	ppb		
17) Iodomethane	2.457	142	180816	52.72	ppb		94
18) Carbon Disulfide	2.518	76	393061	55.57	ppb		99
19) Acetonitrile	2.615	40	53830	244.25	ppb		90
20) Allyl Chloride	2.658	76	81426	61.14	ppb		93
21) Methyl Acetate	2.683	43	140399	47.77	ppb		98
22) Methylene Chloride	2.774	84	157531	51.98	ppb		99
23) TBA	2.902	59	650426	969.01	ppb		100
24) Acrylonitrile	3.024	53	401690	267.73	ppb		98
25) Methyl-t-Butyl Ether	3.079	73	547776	51.36	ppb		97
26) trans-1,2-Dichloroethene	3.067	96	161529	50.54	ppb		97
28) 1,1-Diclethane	3.560	63	271316	51.54	ppb		99
29) Vinyl Acetate	3.652	86	49400	64.00	ppb	#	74
30) DIPE	3.688	45	466430	56.58	ppb		93
31) 2-Chloro-1,3-Butadiene	3.682	53	207145	52.51	ppb		99
32) ETBE	4.219	59	473897	53.18	ppb		97
33) 2,2-Dichloropropane	4.396	77	258440	53.54	ppb		96
34) cis-1,2-Dichloroethene	4.396	96	184069	49.25	ppb		98
35) 2-Butanone	4.444	43	110643	56.95	ppb		94
36) Propionitrile	4.524	54	173599	249.14	ppb		94
37) Bromochloromethane	4.792	130	128257	50.32	ppb		97
38) Methacrylonitrile	4.798	67	92136	52.30	ppb		96
39) Tetrahydrofuran	4.889	42	69895	53.07	ppb		94
40) Chloroform	4.969	83	278657	49.87	ppb		98
41) 1,1,1-Trichloroethane	5.267	97	268213	51.51	ppb		93

1st 05/02/19
2nd 05/02/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26245.D
Acq On : 1 May 2019 5:31 pm
Operator : K.Ruest
Sample : ICV50 Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 02 11:42:36 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu May 02 11:39:03 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) TAME	6.109	73	530039	55.37	ppb	99
44) Cyclohexane	5.353	41	120045	47.07	ppb	95
46) Carbontetrachloride	5.542	117	232406	52.51	ppb	96
47) 1,1-Dichloropropene	5.554	75	214509	52.46	ppb	99
49) Benzene	5.871	78	647701	49.21	ppb	99
50) 1,2-Dichloroethane	5.907	62	225973	48.44	ppb	98
51) Iso-Butyl Alcohol	5.877	43	252019	878.32	ppb	98
52) n-Heptane	6.353	43	177339	50.66	ppb	96
53) 1-Butanol	6.840	56	444957	2294.51	ppb	99
54) Trichloroethene	6.810	130	200830	49.10	ppb	98
55) Methylcyclohexane	7.048	55	174597	45.70	ppb	97
56) 1,2-Diclpropane	7.090	63	154876	48.98	ppb	94
57) Dibromomethane	7.230	93	110762	50.10	ppb	97
58) 1,4-Dioxane	7.291	88	79851	928.57	ppb	96
59) Methyl Methacrylate	7.322	69	156031	49.82	ppb	91
60) Bromodichloromethane	7.456	83	215361	49.17	ppb	99
61) 2-Nitropropane	7.742	41	121587	107.22	ppb	97
62) 2-Chloroethylvinyl Ether	7.864	63	118979	53.11	ppb	99
63) cis-1,3-Dichloropropene	7.999	75	280888	49.69	ppb	98
64) 4-Methyl-2-pentanone	8.206	43	202383	51.42	ppb	99
66) Toluene	8.370	91	751741	50.50	ppb	100
67) trans-1,3-Dichloropropene	8.639	75	263841	52.68	ppb	98
68) Ethyl Methacrylate	8.785	69	271225	50.04	ppb	96
69) 1,1,2-Trichloroethane	8.828	97	170174	47.69	ppb	96
72) Tetrachloroethene	8.968	164	170765	51.08	ppb	98
73) 2-Hexanone	9.120	43	155069	49.62	ppb	98
74) 1,3-Dichloropropane	8.998	76	279504	49.73	ppb	99
75) Dibromochloromethane	9.224	129	194751	47.80	ppb	97
76) N-Butyl Acetate	9.273	43	307388	51.61	ppb	97
77) 1,2-Dibromoethane	9.321	107	183534	48.90	ppb	98
78) Chlorobenzene	9.815	112	513072	50.19	ppb	98
79) 3-CBTF	9.834	180	312813	53.29	ppb	98
80) 4-CBTF	9.888	180	270020	50.84	ppb	97
81) 1,1,1,2-Tetrachloroethane	9.901	131	193793	48.86	ppb	97
82) Ethylbenzene	9.937	106	280266	50.72	ppb	100
83) (m+p)Xylene	10.047	106	707912	103.46	ppb	99
84) o-Xylene	10.407	106	360181	51.99	ppb	98
85) Styrene	10.419	104	589708	54.46	ppb	98
87) Bromoform	10.571	173	163955	46.71	ppb	96
88) 2-CBTF	10.650	180	329956	49.55	ppb	97
89) Isopropylbenzene	10.742	105	879143	46.18	ppb	98
90) Cyclohexanone	10.803	55	829327	873.14	ppb	99
91) trans-1,4-Dichloro-2-B...	11.047	53	72423	50.07	ppb	97
92) 1,1,2,2-Tetrachloroethane	10.998	83	256148	44.53	ppb	99
93) Bromobenzene	10.986	156	269487	46.95	ppb	100
94) 1,2,3-Trichloropropane	11.028	110	94771	43.89	ppb	94
95) n-Propylbenzene	11.096	91	983233	47.63	ppb	98
96) 2-Chlorotoluene	11.156	91	594629	46.31	ppb	98
97) 3-Chlorotoluene	11.211	91	603090	49.71	ppb	100
98) 4-Chlorotoluene	11.254	91	687982	46.87	ppb	98
99) 1,3,5-Trimethylbenzene	11.248	105	775721	48.51	ppb	98
100) tert-Butylbenzene	11.522	119	713821	48.86	ppb	99
101) 1,2,4-Trimethylbenzene	11.559	105	771615	48.52	ppb	100
102) 3,4-DCBTF	11.620	214	301869	53.15	ppb	98
103) sec-Butylbenzene	11.705	105	965058	47.20	ppb	98
104) p-Isopropyltoluene	11.827	119	880118	49.49	ppb	99

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26245.D
Acq On : 1 May 2019 5:31 pm
Operator : K.Ruest
Sample : ICV50 Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 02 11:42:36 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu May 02 11:39:03 2019
Response via : Initial Calibration

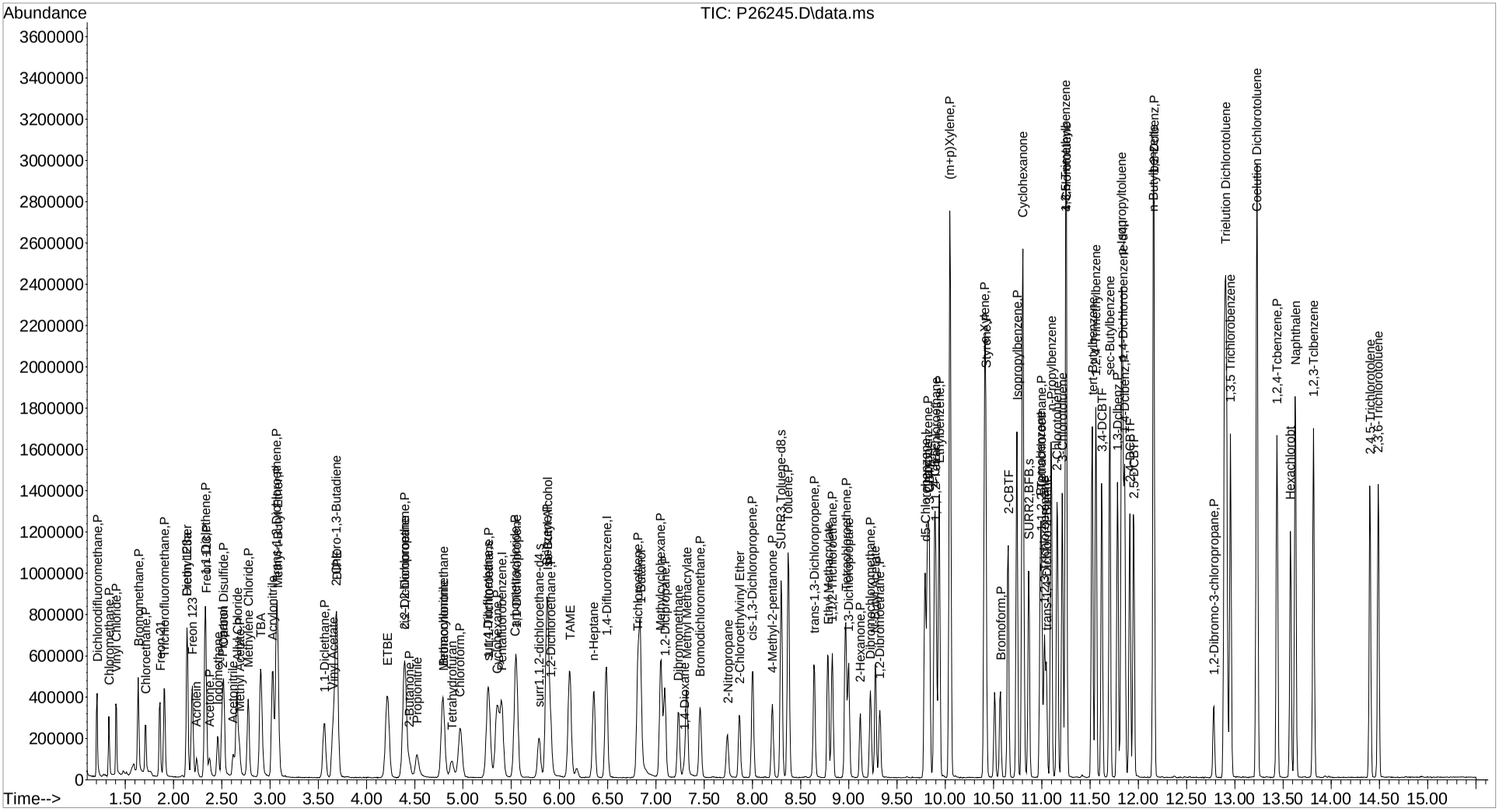
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
105) 1,3-Dclbenz	11.784	146	498777	48.66	ppb	98
106) 1,4-Dclbenz	11.858	146	500790	47.76	ppb	96
107) 2,4-DCBTF	11.912	214	273322	53.43	ppb	98
108) 2,5-DCBTF	11.955	214	302662	53.31	ppb	100
109) n-Butylbenzene	12.156	91	712255	48.14	ppb	99
110) 1,2-Dclbenz	12.162	146	489321	47.92	ppb	99
111) 1,2-Dibromo-3-chloropr...	12.784	157	92677	45.43	ppb	97
112) Trielution Dichlorotol...	12.906	125	1329077	155.00	ppb	98
113) 1,3,5 Trichlorobenzene	12.955	180	426741	52.61	ppb	99
114) Coelution Dichlorotoluene	13.229	125	986060	103.07	ppb	99
115) 1,2,4-Tcbenzene	13.437	180	433547	50.94	ppb	98
116) Hexachlorobt	13.577	225	185718	50.51	ppb	99
117) Naphthalen	13.626	128	1176191	47.71	ppb	99
118) 1,2,3-Tclbenzene	13.815	180	440434	48.82	ppb	97
119) 2,4,5-Trichlorotolene	14.400	159	316978	58.26	ppb	98
120) 2,3,6-Trichlorotoluene	14.485	159	304297	47.48	ppb	98

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26245.D
Acq On : 1 May 2019 5:31 pm
Operator : K.Ruest
Sample : ICV50 Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 02 11:42:36 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu May 02 11:39:03 2019
Response via : Initial Calibration



Analysis: 8260/624 Waters | Analyst: KRuest | pH strips: N/A | Tune Method: W050119

Date: 5/1/19 | Balance ID: N/A | ResCl strips: N/A | Run Method: L

Instr. 12 | 50 mL Class A used for dilution FV | Syringes: 193643+ | LIMS Run#: - ICAL -

Data Path: j:\acqudata\msvoa(InstID)\(Date)

Pos.	Sample	Diln.	Diln. Prep./			RL	Tier	Vial	pH	File#	OK?	Comments
1	BLK			Atomix						PZ6224		
2	↓									PZ6225		
3										PZ6226		
4										PZ6227		
1										PZ6228		
2	↓									PZ6229		
1	TUNE									PZ6230	YT	(auto) 11:52
2	IBLK	5ppm	500ppm	5uL	FV					PZ6231	YB	
1	0.5 ppb	5uL	—	—	5Dmb					PZ6232	Y	
2	1.0	10uL	—	—	↓					PZ6233	Y	
3	2.0	20uL	—	—						PZ6234	Y	
4	5.0	50uL	—	1uL						PZ6235	Y	
5	20	—	2uL	2uL						PZ6236	Y	
6	50	—	5uL	5uL						PZ6237	Y	
7	100	—	10uL	10uL						PZ6238	Y	
8	150	—	15uL	20uL						PZ6239	Y	
9	200	—	20uL	—	↓					PZ6240	Y	
10	BLK									PZ6241	—	
11	↓									PZ6242	—	
12										PZ6243	—	
13	↓									PZ6244	—	
14	ICV 50									PZ6245	YD	
15	BLK									PZ6246	—	

PDW
HR 5/1/19

All samples = 5 mL + 5 uL combined IS/Surr. 5 mL purged

Combined IS/Surr :

Surrogate 50 : 1958918

Internal Std 50 : 199035

Reagents:

500 Primary Qct+ : 197917

Primary Fr+ : 198019 — 5uL → 50mb (HR)

Primary Tb : 1958094 — ee

Primary HSL : 1958696 — 10uL → 1.0mL MeOH = 5 ppm

Primary :

200 Secondary Fr+ : 1958859 - 12.5uL

500 Secondary Qct+ : 1958044

Secondary Tb : 1958817 — 5uL

Secondary HSL : 1958593

Secondary :

50mb = ICV

Runlog-MSVOAr4 1/17/17

Client: Day Environmental, Inc. **Service Request:** R1903959
Project: 32 York St **Calibration Date:** 4/19/2019

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC1900043 **Signal ID:** 1
Instrument ID: R-MS-14

#	Lab Code	Sample Name	File Location	Acquisition Date
01	RC1900043-01	1.0 PPB STD	I:\ACQUDATA\MSVOA14\Data\041919\F6040.D	04/19/2019 12:21
02	RC1900043-02	2.0 PPB STD	I:\ACQUDATA\MSVOA14\Data\041919\F6041.D	04/19/2019 12:44
03	RC1900043-03	5.0 PPB STD	I:\ACQUDATA\MSVOA14\Data\041919\F6042.D	04/19/2019 13:07
04	RC1900043-04	20.0 PPB STD	I:\ACQUDATA\MSVOA14\Data\041919\F6043.D	04/19/2019 13:33
05	RC1900043-05	50.0 PPB STD	I:\ACQUDATA\MSVOA14\Data\041919\F6044.D	04/19/2019 13:56
06	RC1900043-06	100.0 PPB STD	I:\ACQUDATA\MSVOA14\Data\041919\F6045.D	04/19/2019 14:19
07	RC1900043-07	150.0 PPB STD	I:\ACQUDATA\MSVOA14\Data\041919\F6046.D	04/19/2019 14:44
08	RC1900043-08	200.0 PPB STD	I:\ACQUDATA\MSVOA14\Data\041919\F6047.D	04/19/2019 15:07

Analyte

1,1,1-Trichloroethane (TCA)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.7427	02	2.000	0.6967	03	5.000	0.6642	04	20.000	0.6855
05	50.000	0.6756	06	100.000	0.678	07	150.000	0.707	08	200.000	0.7196

1,1,2,2-Tetrachloroethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.7586	02	2.000	0.7941	03	5.000	0.7791	04	20.000	0.714
05	50.000	0.7993	06	100.000	0.7518	07	150.000	0.7832	08	200.000	0.8681

1,1,2-Trichloro-1,2,2-trifluoroethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.5003	02	2.000	0.4365	03	5.000	0.4238	04	20.000	0.424
05	50.000	0.4177	06	100.000	0.3969	07	150.000	0.4264	08	200.000	0.4322

1,1,2-Trichloroethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.2839	02	2.000	0.3024	03	5.000	0.2951	04	20.000	0.2847
05	50.000	0.2953	06	100.000	0.2945	07	150.000	0.2967	08	200.000	0.2997

1,1-Dichloroethane (1,1-DCA)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.927	02	2.000	0.8761	03	5.000	0.8626	04	20.000	0.8859
05	50.000	0.8727	06	100.000	0.8718	07	150.000	0.8938	08	200.000	0.8929

1,1-Dichloroethene (1,1-DCE)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.4954	02	2.000	0.4002	03	5.000	0.4121	04	20.000	0.4272
05	50.000	0.4162	06	100.000	0.4141	07	150.000	0.4268	08	200.000	0.4379

1,2,3-Trichlorobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.4715	02	2.000	0.4741	03	5.000	0.6265	04	20.000	0.7815
05	50.000	0.8926	06	100.000	0.924	07	150.000	0.9481	08	200.000	0.9775

Client: Day Environmental, Inc. **Service Request:** R1903959
Project: 32 York St **Calibration Date:** 4/19/2019

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC1900043 **Signal ID:** 1
Instrument ID: R-MS-14

Analyte

1,2,4-Trichlorobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.6022	02	2.000	0.6309	03	5.000	0.7958	04	20.000	0.9703
05	50.000	1.041	06	100.000	1.075	07	150.000	1.097	08	200.000	1.116

1,2,4-Trimethylbenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	2.579	02	2.000	2.444	03	5.000	2.591	04	20.000	2.732
05	50.000	2.796	06	100.000	2.69	07	150.000	2.766	08	200.000	2.83

1,2-Dibromo-3-chloropropane (DBCP)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.1378	02	2.000	0.1212	03	5.000	0.1224	04	20.000	0.13
05	50.000	0.1577	06	100.000	0.1583	07	150.000	0.1678			

1,2-Dibromoethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.3547	02	2.000	0.3238	03	5.000	0.3193	04	20.000	0.3247
05	50.000	0.3445	06	100.000	0.3414	07	150.000	0.3421	08	200.000	0.3493

1,2-Dichlorobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.561	02	2.000	1.487	03	5.000	1.509	04	20.000	1.509
05	50.000	1.571	06	100.000	1.511	07	150.000	1.542	08	200.000	1.567

1,2-Dichloroethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.4416	02	2.000	0.4535	03	5.000	0.4303	04	20.000	0.4335
05	50.000	0.4413	06	100.000	0.4378	07	150.000	0.4358	08	200.000	0.4394

1,2-Dichloropropane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.3245	02	2.000	0.3217	03	5.000	0.3266	04	20.000	0.3303
05	50.000	0.341	06	100.000	0.3453	07	150.000	0.3468	08	200.000	0.3476

1,3,5-Trimethylbenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	2.685	02	2.000	2.432	03	5.000	2.594	04	20.000	2.685
05	50.000	2.747	06	100.000	2.629	07	150.000	2.712	08	200.000	2.806

1,3-Dichlorobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.808	02	2.000	1.572	03	5.000	1.578	04	20.000	1.588
05	50.000	1.605	06	100.000	1.568	07	150.000	1.601	08	200.000	1.627

1,4-Dichlorobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.803	02	2.000	1.609	03	5.000	1.624	04	20.000	1.607
05	50.000	1.629	06	100.000	1.582	07	150.000	1.62	08	200.000	1.643

Client: Day Environmental, Inc. **Service Request:** R1903959
Project: 32 York St **Calibration Date:** 4/19/2019

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Volatile Organic Compounds by GC/MS

Calibration ID: RC1900043 **Signal ID:** 1
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Analyte

1,4-Dioxane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	20.000	0.004585	02	40.000	0.004869	03	100.000	0.004722	04	400.000	0.004418
05	1000.000	0.005023	06	2000.000	0.004651	07	3000.000	0.004808	08	4000.000	0.004889

2-Butanone (MEK)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
02	2.000	0.309	03	5.000	0.2645	04	20.000	0.258	05	50.000	0.2602
06	100.000	0.2491	07	150.000	0.2562	08	200.000	0.2556			

2-Hexanone

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.2628	02	2.000	0.2313	03	5.000	0.2457	04	20.000	0.2544
05	50.000	0.2764	06	100.000	0.2726	07	150.000	0.2824	08	200.000	0.2848

4-Bromofluorobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
03	10.000	0.5755	04	20.000	0.4645	05	50.000	0.4786	06	100.000	0.4577
07	200.000	0.4497									

4-Isopropyltoluene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	2.935	02	2.000	2.777	03	5.000	2.813	04	20.000	3.046
05	50.000	3.059	06	100.000	2.905	07	150.000	3	08	200.000	3.063

4-Methyl-2-pentanone

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.3042	02	2.000	0.2881	03	5.000	0.2937	04	20.000	0.3034
05	50.000	0.3266	06	100.000	0.3258	07	150.000	0.3368	08	200.000	0.3376

Acetone

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
03	5.000	0.2313	04	20.000	0.2019	05	50.000	0.1948	06	100.000	0.1799
07	150.000	0.1822	08	200.000	0.1773						

Benzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.335	02	2.000	1.246	03	5.000	1.241	04	20.000	1.232
05	50.000	1.231	06	100.000	1.238	07	150.000	1.259	08	200.000	1.261

Bromochloromethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.3287	02	2.000	0.3145	03	5.000	0.3347	04	20.000	0.3365
05	50.000	0.3359	06	100.000	0.3375	07	150.000	0.3398	08	200.000	0.341

Bromodichloromethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.4063	02	2.000	0.3577	03	5.000	0.3626	04	20.000	0.3824
05	50.000	0.402	06	100.000	0.4079	07	150.000	0.4196	08	200.000	0.4227

Client: Day Environmental, Inc. **Service Request:** R1903959
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Analyte

Bromoform

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.1744	02	2.000	0.1587	03	5.000	0.1567	04	20.000	0.1643
05	50.000	0.1895	06	100.000	0.2016	07	150.000	0.2127	08	200.000	0.2277

Bromomethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.5665	02	2.000	0.4585	03	5.000	0.3684	04	20.000	0.3509
05	50.000	0.3255	06	100.000	0.295	07	150.000	0.243			

Carbon Disulfide

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.392	02	2.000	1.242	03	5.000	1.173	04	20.000	1.391
05	50.000	1.257	06	100.000	1.292	07	150.000	1.323	08	200.000	1.287

Carbon Tetrachloride

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.1184	02	2.000	0.1071	03	5.000	0.09957	04	20.000	0.1018
05	50.000	0.1037	06	100.000	0.1061	07	150.000	0.1126	08	200.000	0.1154

Chlorobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.096	02	2.000	0.9957	03	5.000	0.9814	04	20.000	0.9931
05	50.000	1.012	06	100.000	0.9932	07	150.000	1.001	08	200.000	1.009

Chloroethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.4174	02	2.000	0.3269	03	5.000	0.3388	04	20.000	0.3534
05	50.000	0.3381	06	100.000	0.3376	07	150.000	0.3416	08	200.000	0.3477

Chloroform

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.9393	02	2.000	0.8323	03	5.000	0.8308	04	20.000	0.848
05	50.000	0.8423	06	100.000	0.8491	07	150.000	0.8535	08	200.000	0.854

Chloromethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.7514	02	2.000	0.6376	03	5.000	0.6134	04	20.000	0.6171
05	50.000	0.6059	06	100.000	0.6227	07	150.000	0.6316	08	200.000	0.63

Cyclohexane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.347	02	2.000	0.3003	03	5.000	0.295	04	20.000	0.2817
05	50.000	0.2909	06	100.000	0.2909	07	150.000	0.3011	08	200.000	0.2897

Dibromochloromethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.3038	02	2.000	0.282	03	5.000	0.2846	04	20.000	0.3008
05	50.000	0.3264	06	100.000	0.3407	07	150.000	0.345	08	200.000	0.3606

Client: Day Environmental, Inc. **Service Request:** R1903959
Project: 32 York St **Calibration Date:** 4/19/2019

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Analyte

Dibromofluoromethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
03	10.000	0.3099	04	20.000	0.2751	05	50.000	0.3058	06	100.000	0.3005
07	200.000	0.2938									

Dichlorodifluoromethane (CFC 12)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.7323	02	2.000	0.5918	03	5.000	0.5848	04	20.000	0.6478
05	50.000	0.6195	06	100.000	0.6173	07	150.000	0.6504	08	200.000	0.6578

Dichloromethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.7448	02	2.000	0.5688	03	5.000	0.5202	04	20.000	0.5107
05	50.000	0.5086	06	100.000	0.5033	07	150.000	0.5015	08	200.000	0.5043

Ethylbenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.5517	02	2.000	0.5046	03	5.000	0.5281	04	20.000	0.523
05	50.000	0.5403	06	100.000	0.5283	07	150.000	0.547	08	200.000	0.5439

Isopropylbenzene (Cumene)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.714	02	2.000	1.559	03	5.000	1.628	04	20.000	1.709
05	50.000	1.729	06	100.000	1.67	07	150.000	1.716	08	200.000	1.722

Methyl Acetate

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.4027	02	2.000	0.4035	03	5.000	0.3875	04	20.000	0.372
05	50.000	0.3784	06	100.000	0.3578	07	150.000	0.3755	08	200.000	0.3863

Methyl tert-Butyl Ether

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.44	02	2.000	1.452	03	5.000	1.429	04	20.000	1.435
05	50.000	1.475	06	100.000	1.469	07	150.000	1.5	08	200.000	1.518

Methylcyclohexane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.4559	02	2.000	0.4157	03	5.000	0.4001	04	20.000	0.408
05	50.000	0.4299	06	100.000	0.4349	07	150.000	0.4457	08	200.000	0.4297

Naphthalene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.8392	02	2.000	1.091	03	5.000	1.518	04	20.000	1.935
05	50.000	2.311	06	100.000	2.303	07	150.000	2.357	08	200.000	2.494

Styrene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.9758	02	2.000	0.9566	03	5.000	1.014	04	20.000	1.073
05	50.000	1.131	06	100.000	1.123	07	150.000	1.145	08	200.000	1.143

Client: Day Environmental, Inc. **Service Request:** R1903959
Project: 32 York St **Calibration Date:** 4/19/2019

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Volatile Organic Compounds by GC/MS

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Analyte

Tetrachloroethene (PCE)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.3374	02	2.000	0.285	03	5.000	0.3001	04	20.000	0.2971
05	50.000	0.2984	06	100.000	0.2856	07	150.000	0.2953	08	200.000	0.2986

Toluene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.472	02	2.000	1.341	03	5.000	1.341	04	20.000	1.343
05	50.000	1.336	06	100.000	1.333	07	150.000	1.372	08	200.000	1.368

Toluene-d8

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
03	10.000	1.35	04	20.000	1.113	05	50.000	1.239	06	100.000	1.201
07	200.000	1.161									

Trichloroethene (TCE)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.3834	02	2.000	0.3426	03	5.000	0.3576	04	20.000	0.3514
05	50.000	0.3443	06	100.000	0.3476	07	150.000	0.3494	08	200.000	0.3453

Trichlorofluoromethane (CFC 11)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.7545	02	2.000	0.7174	03	5.000	0.6957	04	20.000	0.6972
05	50.000	0.6601	06	100.000	0.6613	07	150.000	0.6879	08	200.000	0.7009

Vinyl Chloride

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.6698	02	2.000	0.597	03	5.000	0.5814	04	20.000	0.5962
05	50.000	0.5801	06	100.000	0.5797	07	150.000	0.5939	08	200.000	0.6107

cis-1,2-Dichloroethene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.562	02	2.000	0.5503	03	5.000	0.5257	04	20.000	0.5364
05	50.000	0.5355	06	100.000	0.5344	07	150.000	0.5399	08	200.000	0.5394

cis-1,3-Dichloropropene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.4909	02	2.000	0.4731	03	5.000	0.4742	04	20.000	0.5005
05	50.000	0.5296	06	100.000	0.5483	07	150.000	0.56	08	200.000	0.5631

m,p-Xylenes

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	2.000	0.6685	02	4.000	0.6235	03	10.000	0.6246	04	40.000	0.6529
05	100.000	0.6754	06	200.000	0.6601	07	300.000	0.6724	08	400.000	0.6724

n-Butylbenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	2.644	02	2.000	2.459	03	5.000	2.526	04	20.000	2.843
05	50.000	2.909	06	100.000	2.772	07	150.000	2.897	08	200.000	2.951

Client: Day Environmental, Inc. **Service Request:** R1903959
Project: 32 York St **Calibration Date:** 4/19/2019

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

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Analyte

n-Propylbenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	4.006	02	2.000	3.571	03	5.000	3.699	04	20.000	3.88
05	50.000	3.895	06	100.000	3.708	07	150.000	3.835	08	200.000	3.948

o-Xylene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.6575	02	2.000	0.6049	03	5.000	0.6193	04	20.000	0.6421
05	50.000	0.6608	06	100.000	0.6493	07	150.000	0.6616	08	200.000	0.6602

sec-Butylbenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	3.567	02	2.000	3.391	03	5.000	3.506	04	20.000	3.709
05	50.000	3.692	06	100.000	3.492	07	150.000	3.587	08	200.000	3.694

tert-Butylbenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	2.465	02	2.000	2.227	03	5.000	2.341	04	20.000	2.362
05	50.000	2.401	06	100.000	2.265	07	150.000	2.333	08	200.000	2.424

trans-1,2-Dichloroethene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.5157	02	2.000	0.4663	03	5.000	0.4646	04	20.000	0.4785
05	50.000	0.4665	06	100.000	0.4647	07	150.000	0.478	08	200.000	0.4794

trans-1,3-Dichloropropene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.3984	02	2.000	0.3922	03	5.000	0.4057	04	20.000	0.4285
05	50.000	0.4595	06	100.000	0.4789	07	150.000	0.4931	08	200.000	0.5035

Client: Day Environmental, Inc. **Service Request:** R1903959
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Volatile Organic Compounds by GC/MS

Calibration ID: RC1900043 **Signal ID:** 1
Instrument ID: R-MS-14

		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	3.7	≤20	0.6962	0.100
1,1,2,2-Tetrachloroethane	TRG	Average RF	% RSD	5.7	≤20	0.781	0.300
1,1,2-Trichloro-1,2,2-trifluoroethane	TRG	Average RF	% RSD	6.9	≤20	0.4322	0.100
1,1,2-Trichloroethane	TRG	Average RF	% RSD	2.2	≤20	0.2941	0.100
1,1-Dichloroethane (1,1-DCA)	TRG	Average RF	% RSD	2.3	≤20	0.8853	0.200
1,1-Dichloroethene (1,1-DCE)	TRG	Average RF	% RSD	6.8	≤20	0.4287	0.100
1,2,3-Trichlorobenzene	TRG	Quadratic	COD	0.9969	≥0.99	0.762	
1,2,4-Trichlorobenzene	TRG	Quadratic	COD	0.9982	≥0.99	0.9161	0.200
1,2,4-Trimethylbenzene	TRG	Average RF	% RSD	4.9	≤20	2.678	
1,2-Dibromo-3-chloropropane (DBCP)	TRG	Average RF	% RSD	13.3	≤20	0.1422	0.050
1,2-Dibromoethane	TRG	Average RF	% RSD	3.9	≤20	0.3375	0.100
1,2-Dichlorobenzene	TRG	Average RF	% RSD	2.1	≤20	1.532	0.400
1,2-Dichloroethane	TRG	Average RF	% RSD	1.6	≤20	0.4391	0.100
1,2-Dichloropropane	TRG	Average RF	% RSD	3.2	≤20	0.3355	0.100
1,3,5-Trimethylbenzene	TRG	Average RF	% RSD	4.3	≤20	2.661	
1,3-Dichlorobenzene	TRG	Average RF	% RSD	4.9	≤20	1.618	0.600
1,4-Dichlorobenzene	TRG	Average RF	% RSD	4.2	≤20	1.64	0.500
1,4-Dioxane	TRG	Average RF	% RSD	4.1	≤20	0.004746	
2-Butanone (MEK)	TRG	Average RF	% RSD	7.6	≤20	0.2647	0.05
2-Hexanone	TRG	Average RF	% RSD	7.2	≤20	0.2638	0.05
4-Bromofluorobenzene	SURR	Average RF	% RSD	10.6	≤20	0.4852	
4-Isopropyltoluene	TRG	Average RF	% RSD	3.8	≤20	2.95	
4-Methyl-2-pentanone	TRG	Average RF	% RSD	6.2	≤20	0.3145	0.05
Acetone	TRG	Average RF	% RSD	10.5	≤20	0.1946	0.05
Benzene	TRG	Average RF	% RSD	2.7	≤20	1.255	0.500
Bromochloromethane	TRG	Average RF	% RSD	2.6	≤20	0.3336	
Bromodichloromethane	TRG	Average RF	% RSD	6.3	≤20	0.3952	0.200
Bromoform	TRG	Average RF	% RSD	14.3	≤20	0.1857	0.100
Bromomethane	TRG	Quadratic	COD	0.9972	≥0.99	0.3725	0.100
Carbon Disulfide	TRG	Average RF	% RSD	5.7	≤20	1.295	0.100
Carbon Tetrachloride	TRG	Average RF	% RSD	6.2	≤20	0.1081	0.05
Chlorobenzene	TRG	Average RF	% RSD	3.6	≤20	1.01	0.500
Chloroethane	TRG	Average RF	% RSD	8.1	≤20	0.3502	0.100
Chloroform	TRG	Average RF	% RSD	4.1	≤20	0.8562	0.200

Client: Day Environmental, Inc. **Service Request:** R1903959
Project: 32 York St **Calibration Date:** 4/19/2019

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC1900043 **Signal ID:** 1
Instrument ID: R-MS-14

		Calibration Evaluation				Calibration Evaluation	
Analyte Name	Compound Type	Fit Type	Eval	Eval Result	Control Criteria	Average RRF	Minimum RRF
Chloromethane	TRG	Average RF	% RSD	7.3	≤20	0.6387	0.100
Cyclohexane	TRG	Average RF	% RSD	6.7	≤20	0.2996	0.100
Dibromochloromethane	TRG	Average RF	% RSD	9.2	≤20	0.318	0.100
Dibromofluoromethane	SURR	Average RF	% RSD	4.6	≤20	0.297	
Dichlorodifluoromethane (CFC 12)	TRG	Average RF	% RSD	7.3	≤20	0.6377	0.100
Dichloromethane	TRG	Quadratic	COD	0.9997	≥0.99	0.5453	0.100
Ethylbenzene	TRG	Average RF	% RSD	2.9	≤20	0.5334	0.100
Isopropylbenzene (Cumene)	TRG	Average RF	% RSD	3.6	≤20	1.681	0.100
Methyl Acetate	TRG	Average RF	% RSD	4.0	≤20	0.383	0.100
Methyl tert-Butyl Ether	TRG	Average RF	% RSD	2.2	≤20	1.465	0.100
Methylcyclohexane	TRG	Average RF	% RSD	4.4	≤20	0.4275	0.100
Naphthalene	TRG	Quadratic	COD	0.9978	≥0.99	1.856	
Styrene	TRG	Average RF	% RSD	7.3	≤20	1.07	0.300
Tetrachloroethene (PCE)	TRG	Average RF	% RSD	5.4	≤20	0.2997	0.200
Toluene	TRG	Average RF	% RSD	3.4	≤20	1.363	0.400
Toluene-d8	SURR	Average RF	% RSD	7.4	≤20	1.213	
Trichloroethene (TCE)	TRG	Average RF	% RSD	3.8	≤20	0.3527	0.200
Trichlorofluoromethane (CFC 11)	TRG	Average RF	% RSD	4.4	≤20	0.6969	0.100
Vinyl Chloride	TRG	Average RF	% RSD	4.9	≤20	0.6011	0.100
cis-1,2-Dichloroethene	TRG	Average RF	% RSD	2.0	≤20	0.5404	0.100
cis-1,3-Dichloropropene	TRG	Average RF	% RSD	7.2	≤20	0.5175	0.200
m,p-Xylenes	TRG	Average RF	% RSD	3.2	≤20	0.6562	0.100
n-Butylbenzene	TRG	Average RF	% RSD	6.8	≤20	2.75	
n-Propylbenzene	TRG	Average RF	% RSD	3.8	≤20	3.818	
o-Xylene	TRG	Average RF	% RSD	3.3	≤20	0.6445	0.300
sec-Butylbenzene	TRG	Average RF	% RSD	3.2	≤20	3.58	
tert-Butylbenzene	TRG	Average RF	% RSD	3.4	≤20	2.352	
trans-1,2-Dichloroethene	TRG	Average RF	% RSD	3.6	≤20	0.4767	0.100
trans-1,3-Dichloropropene	TRG	Average RF	% RSD	10.0	≤20	0.445	0.100

Client: Day Environmental, Inc. **Service Request:** R1903959
Project: 32 York St **Calibration Date:** 3/26/2019

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC1900035 **Signal ID:** 1
Instrument ID: R-MS-14

#	Lab Code	Sample Name	File Location	Acquisition Date
01	RC1900035-01	0.5 PPB STD	I:\ACQUDATA\MSVOA14\Data\032619\F5210.D	03/26/2019 12:53
02	RC1900035-02	1.0 PPB STD	I:\ACQUDATA\MSVOA14\Data\032619\F5211.D	03/26/2019 13:15
03	RC1900035-03	2.0 PPB STD	I:\ACQUDATA\MSVOA14\Data\032619\F5212.D	03/26/2019 13:37
04	RC1900035-04	5.0 PPB STD	I:\ACQUDATA\MSVOA14\Data\032619\F5213.D	03/26/2019 13:59
05	RC1900035-05	20 PPB STD	I:\ACQUDATA\MSVOA14\Data\032619\F5214.D	03/26/2019 14:21
06	RC1900035-06	50 PPB STD	I:\ACQUDATA\MSVOA14\Data\032619\F5215.D	03/26/2019 14:44
07	RC1900035-07	100 PPB STD	I:\ACQUDATA\MSVOA14\Data\032619\F5216.D	03/26/2019 15:06
08	RC1900035-08	150 PPB STD	I:\ACQUDATA\MSVOA14\Data\032619\F5217.D	03/26/2019 15:28
09	RC1900035-09	200 PPB STD	I:\ACQUDATA\MSVOA14\Data\032619\F5218.D	03/26/2019 15:50

Analyte

1,1,1-Trichloroethane (TCA)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.5981	02	1.000	0.629	03	2.000	0.5451	04	5.000	0.6346
05	20.000	0.7182	06	50.000	0.7113	07	100.000	0.7065	08	150.000	0.6887
09	200.000	0.7462									

1,1,2,2-Tetrachloroethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	1.027	02	1.000	1.042	03	2.000	1.047	04	5.000	1.036
05	20.000	1.084	06	50.000	1.047	07	100.000	1.026	08	150.000	1.04
09	200.000	1.117									

1,1,2-Trichloro-1,2,2-trifluoroethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.3761	02	1.000	0.3798	03	2.000	0.3019	04	5.000	0.3744
05	20.000	0.4036	06	50.000	0.4019	07	100.000	0.3921	08	150.000	0.3669
09	200.000	0.4111									

1,1,2-Trichloroethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.3518	02	1.000	0.3286	03	2.000	0.3386	04	5.000	0.3404
05	20.000	0.3825	06	50.000	0.3704	07	100.000	0.3637	08	150.000	0.3588
09	200.000	0.3664									

1,1-Dichloroethane (1,1-DCA)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.7438	02	1.000	0.8361	03	2.000	0.772	04	5.000	0.8642
05	20.000	0.9394	06	50.000	0.9023	07	100.000	0.8923	08	150.000	0.8708
09	200.000	0.9075									

1,1-Dichloroethene (1,1-DCE)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.3951	02	1.000	0.3995	03	2.000	0.3607	04	5.000	0.387
05	20.000	0.4628	06	50.000	0.4443	07	100.000	0.4359	08	150.000	0.4199
09	200.000	0.4536									

Client: Day Environmental, Inc. **Service Request:** R1903959
Project: 32 York St **Calibration Date:** 3/26/2019

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC1900035 **Signal ID:** 1
Instrument ID: R-MS-14

Analyte

1,2,3-Trichlorobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
02	1.000	0.6796	03	2.000	0.7332	04	5.000	0.9115	05	20.000	1.117
06	50.000	1.11	07	100.000	1.112	08	150.000	1.095	09	200.000	1.205

1,2,4-Trichlorobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
02	1.000	0.7662	03	2.000	0.7964	04	5.000	0.9793	05	20.000	1.14
06	50.000	1.117	07	100.000	1.117	08	150.000	1.101	09	200.000	1.217

1,2,4-Trimethylbenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	2.051	02	1.000	2.284	03	2.000	2.236	04	5.000	2.494
05	20.000	2.757	06	50.000	2.683	07	100.000	2.609	08	150.000	2.472
09	200.000	2.832									

1,2-Dibromo-3-chloropropane (DBCP)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
02	1.000	0.1859	03	2.000	0.2037	04	5.000	0.2035	05	20.000	0.2461
06	50.000	0.2669	07	100.000	0.2851	08	150.000	0.2955	09	200.000	0.313

1,2-Dibromoethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.3455	02	1.000	0.4134	03	2.000	0.3947	04	5.000	0.3803
05	20.000	0.4357	06	50.000	0.4347	07	100.000	0.4284	08	150.000	0.4286
09	200.000	0.4354									

1,2-Dichlorobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	1.488	02	1.000	1.599	03	2.000	1.567	04	5.000	1.556
05	20.000	1.698	06	50.000	1.646	07	100.000	1.594	08	150.000	1.537
09	200.000	1.674									

1,2-Dichloroethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.4116	02	1.000	0.4525	03	2.000	0.4661	04	5.000	0.4659
05	20.000	0.5073	06	50.000	0.4891	07	100.000	0.472	08	150.000	0.4701
09	200.000	0.4796									

1,2-Dichloropropane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.3399	02	1.000	0.36	03	2.000	0.3018	04	5.000	0.351
05	20.000	0.3884	06	50.000	0.3748	07	100.000	0.3684	08	150.000	0.3636
09	200.000	0.3761									

1,3,5-Trimethylbenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	2.155	02	1.000	2.313	03	2.000	2.162	04	5.000	2.513
05	20.000	2.681	06	50.000	2.63	07	100.000	2.54	08	150.000	2.36

Client: Day Environmental, Inc. **Service Request:** R1903959
Project: 32 York St **Calibration Date:** 3/26/2019

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC1900035 **Signal ID:** 1
Instrument ID: R-MS-14

Analyte

1,3,5-Trimethylbenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
09	200.000	2.79									

1,3-Dichlorobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	1.557	02	1.000	1.578	03	2.000	1.437	04	5.000	1.572
05	20.000	1.658	06	50.000	1.607	07	100.000	1.565	08	150.000	1.498
09	200.000	1.669									

1,4-Dichlorobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	1.763	02	1.000	1.714	03	2.000	1.595	04	5.000	1.626
05	20.000	1.692	06	50.000	1.634	07	100.000	1.608	08	150.000	1.538
09	200.000	1.688									

1,4-Dioxane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
02	20.000	0.007168	03	40.000	0.006749	04	100.000	0.006785	05	400.000	0.007736
06	1000.000	0.008037	07	2000.000	0.008347	08	3000.000	0.008729	09	4000.000	0.008193

2-Butanone (MEK)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.3415	02	1.000	0.3989	03	2.000	0.3752	04	5.000	0.3426
05	20.000	0.3697	06	50.000	0.3593	07	100.000	0.3589	08	150.000	0.3709
09	200.000	0.352									

2-Hexanone

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
02	1.000	0.3238	03	2.000	0.3313	04	5.000	0.3236	05	20.000	0.367
06	50.000	0.3835	07	100.000	0.3893	08	150.000	0.4047	09	200.000	0.3907

4-Bromofluorobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	10.000	0.6049	05	20.000	0.4866	06	50.000	0.4988	07	100.000	0.5028
08	200.000	0.482									

4-Isopropyltoluene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	2.226	02	1.000	2.381	03	2.000	2.277	04	5.000	2.622
05	20.000	2.787	06	50.000	2.783	07	100.000	2.701	08	150.000	2.549
09	200.000	2.979									

4-Methyl-2-pentanone

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
02	1.000	0.3825	03	2.000	0.398	04	5.000	0.4029	05	20.000	0.4346
06	50.000	0.4496	07	100.000	0.4578	08	150.000	0.4738	09	200.000	0.4563

Client: Day Environmental, Inc. **Service Request:** R1903959
Project: 32 York St **Calibration Date:** 3/26/2019

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC1900035 **Signal ID:** 1
Instrument ID: R-MS-14

Analyte

Acetone

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	5.000	0.2638	05	20.000	0.2494	06	50.000	0.2409	07	100.000	0.2353
08	150.000	0.2445	09	200.000	0.2323						

Benzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	1.26	02	1.000	1.27	03	2.000	1.176	04	5.000	1.307
05	20.000	1.413	06	50.000	1.378	07	100.000	1.357	08	150.000	1.321
09	200.000	1.394									

Bromochloromethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.3378	02	1.000	0.368	03	2.000	0.3697	04	5.000	0.3648
05	20.000	0.4044	06	50.000	0.381	07	100.000	0.3705	08	150.000	0.3661
09	200.000	0.3747									

Bromodichloromethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.3433	02	1.000	0.3762	03	2.000	0.4026	04	5.000	0.3924
05	20.000	0.447	06	50.000	0.4396	07	100.000	0.4423	08	150.000	0.4428
09	200.000	0.4621									

Bromoform

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.2222	02	1.000	0.1932	03	2.000	0.1974	04	5.000	0.2099
05	20.000	0.25	06	50.000	0.2636	07	100.000	0.2846	08	150.000	0.2963
09	200.000	0.3138									

Bromomethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.5518	02	1.000	0.4975	03	2.000	0.4321	04	5.000	0.4007
05	20.000	0.3881	06	50.000	0.3247	07	100.000	0.2474			

Carbon Disulfide

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	1.109	02	1.000	1.08	03	2.000	0.9093	04	5.000	1.043
05	20.000	1.011	06	50.000	1.129	07	100.000	1.217	08	150.000	1.218
09	200.000	1.234									

Carbon Tetrachloride

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.3283	02	1.000	0.3511	03	2.000	0.2854	04	5.000	0.3232
05	20.000	0.3702	06	50.000	0.3725	07	100.000	0.3793	08	150.000	0.3613
09	200.000	0.4134									

Chlorobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	1.035	02	1.000	1.04	03	2.000	1.017	04	5.000	1.043

Client: Day Environmental, Inc. **Service Request:** R1903959
Project: 32 York St **Calibration Date:** 3/26/2019

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC1900035 **Signal ID:** 1
Instrument ID: R-MS-14

Analyte

Chlorobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
05	20.000	1.121	06	50.000	1.081	07	100.000	1.065	08	150.000	1.035
09	200.000	1.102									

Chloroethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.3495	02	1.000	0.3904	03	2.000	0.303	04	5.000	0.3458
05	20.000	0.3878	06	50.000	0.372	07	100.000	0.3528	08	150.000	0.2488
09	200.000	0.371									

Chloroform

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.7843	02	1.000	0.8317	03	2.000	0.8176	04	5.000	0.8316
05	20.000	0.9183	06	50.000	0.8709	07	100.000	0.8568	08	150.000	0.8454
09	200.000	0.8739									

Chloromethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.6637	02	1.000	0.6607	03	2.000	0.5936	04	5.000	0.6142
05	20.000	0.6956	06	50.000	0.6682	07	100.000	0.6673	08	150.000	0.6624
09	200.000	0.6756									

Cyclohexane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.2382	02	1.000	0.2758	03	2.000	0.2171	04	5.000	0.2502
05	20.000	0.2463	06	50.000	0.2537	07	100.000	0.2372	08	150.000	0.2779
09	200.000	0.2785									

Dibromochloromethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.3478	02	1.000	0.3375	03	2.000	0.3369	04	5.000	0.3255
05	20.000	0.3841	06	50.000	0.397	07	100.000	0.4069	08	150.000	0.4067
09	200.000	0.431									

Dibromofluoromethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	10.000	0.3847	05	20.000	0.3125	06	50.000	0.3309	07	100.000	0.3287
08	200.000	0.309									

Dichlorodifluoromethane (CFC 12)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.5434	02	1.000	0.5512	03	2.000	0.4653	04	5.000	0.5133
05	20.000	0.6648	06	50.000	0.6477	07	100.000	0.6277	08	150.000	0.6028
09	200.000	0.6535									

Dichloromethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.5747	02	1.000	0.5496	03	2.000	0.5184	04	5.000	0.5236

Client: Day Environmental, Inc. **Service Request:** R1903959
Project: 32 York St **Calibration Date:** 3/26/2019

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC1900035 **Signal ID:** 1
Instrument ID: R-MS-14

Analyte

Dichloromethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
05	20.000	0.5587	06	50.000	0.5268	07	100.000	0.517	08	150.000	0.5037
09	200.000	0.5189									

Ethylbenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.5192	02	1.000	0.4825	03	2.000	0.4802	04	5.000	0.537
05	20.000	0.5771	06	50.000	0.5666	07	100.000	0.5602	08	150.000	0.5347
09	200.000	0.5891									

Isopropylbenzene (Cumene)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	1.416	02	1.000	1.519	03	2.000	1.386	04	5.000	1.579
05	20.000	1.75	06	50.000	1.762	07	100.000	1.722	08	150.000	1.643
09	200.000	1.873									

Methyl Acetate

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.4074	02	1.000	0.4903	03	2.000	0.5143	04	5.000	0.5139
05	20.000	0.5323	06	50.000	0.5338	07	100.000	0.5313	08	150.000	0.5272
09	200.000	0.5218									

Methyl tert-Butyl Ether

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	1.441	02	1.000	1.563	03	2.000	1.549	04	5.000	1.543
05	20.000	1.682	06	50.000	1.618	07	100.000	1.622	08	150.000	1.641
09	200.000	1.651									

Methylcyclohexane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.3331	02	1.000	0.361	03	2.000	0.2867	04	5.000	0.3504
05	20.000	0.34	06	50.000	0.3596	07	100.000	0.3392	08	150.000	0.3997
09	200.000	0.4015									

Naphthalene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
02	1.000	1.658	03	2.000	1.955	04	5.000	2.556	05	20.000	3.491
06	50.000	3.57	07	100.000	3.593	08	150.000	3.549	09	200.000	3.764

Styrene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.9353	02	1.000	0.9881	03	2.000	1.024	04	5.000	1.072
05	20.000	1.211	06	50.000	1.213	07	100.000	1.202	08	150.000	1.166
09	200.000	1.254									

Tetrachloroethene (PCE)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.4042	02	1.000	0.3542	03	2.000	0.2853	04	5.000	0.3034

Client: Day Environmental, Inc. **Service Request:** R1903959
Project: 32 York St **Calibration Date:** 3/26/2019

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC1900035 **Signal ID:** 1
Instrument ID: R-MS-14

Analyte

Tetrachloroethene (PCE)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
05	20.000	0.3246	06	50.000	0.3236	07	100.000	0.3098	08	150.000	0.2892
09	200.000	0.3285									

Toluene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	1.389	02	1.000	1.342	03	2.000	1.258	04	5.000	1.36
05	20.000	1.501	06	50.000	1.481	07	100.000	1.443	08	150.000	1.403
09	200.000	1.514									

Toluene-d8

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	10.000	1.551	05	20.000	1.276	06	50.000	1.304	07	100.000	1.299
08	200.000	1.22									

Trichloroethene (TCE)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.3118	02	1.000	0.3577	03	2.000	0.3092	04	5.000	0.3582
05	20.000	0.395	06	50.000	0.388	07	100.000	0.38	08	150.000	0.3599
09	200.000	0.3808									

Trichlorofluoromethane (CFC 11)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.5966	02	1.000	0.6663	03	2.000	0.5632	04	5.000	0.64
05	20.000	0.7155	06	50.000	0.7055	07	100.000	0.6896	08	150.000	0.6626
09	200.000	0.7221									

Vinyl Chloride

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.5292	02	1.000	0.5328	03	2.000	0.483	04	5.000	0.5611
05	20.000	0.6575	06	50.000	0.6522	07	100.000	0.6479	08	150.000	0.6139
09	200.000	0.6459									

cis-1,2-Dichloroethene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.4792	02	1.000	0.5578	03	2.000	0.5028	04	5.000	0.5344
05	20.000	0.5767	06	50.000	0.5528	07	100.000	0.5473	08	150.000	0.5431
09	200.000	0.5607									

cis-1,3-Dichloropropene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.4545	02	1.000	0.4896	03	2.000	0.4911	04	5.000	0.5184
05	20.000	0.5861	06	50.000	0.5925	07	100.000	0.5963	08	150.000	0.5988
09	200.000	0.6187									

m,p-Xylenes

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.6009	02	2.000	0.6541	03	4.000	0.5758	04	10.000	0.6579

Client: Day Environmental, Inc. **Service Request:** R1903959
Project: 32 York St **Calibration Date:** 3/26/2019

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC1900035 **Signal ID:** 1
Instrument ID: R-MS-14

Analyte

m,p-Xylenes

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
05	40.000	0.7179	06	100.000	0.7069	07	200.000	0.6931	08	300.000	0.6593
09	400.000	0.7302									

n-Butylbenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
02	1.000	2.028	03	2.000	1.819	04	5.000	2.186	05	20.000	2.396
06	50.000	2.427	07	100.000	2.394	08	150.000	2.305	09	200.000	2.695

n-Propylbenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	3.104	02	1.000	3.337	03	2.000	2.96	04	5.000	3.398
05	20.000	3.692	06	50.000	3.691	07	100.000	3.519	08	150.000	3.243
09	200.000	3.92									

o-Xylene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.5666	02	1.000	0.641	03	2.000	0.5876	04	5.000	0.6477
05	20.000	0.7173	06	50.000	0.7004	07	100.000	0.6888	08	150.000	0.66
09	200.000	0.7225									

sec-Butylbenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	2.627	02	1.000	2.855	03	2.000	2.53	04	5.000	3.048
05	20.000	3.293	06	50.000	3.308	07	100.000	3.197	08	150.000	3.002
09	200.000	3.535									

tert-Butylbenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	1.909	02	1.000	2.082	03	2.000	1.797	04	5.000	2.15
05	20.000	2.29	06	50.000	2.28	07	100.000	2.202	08	150.000	2.048
09	200.000	2.416									

trans-1,2-Dichloroethene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.4515	02	1.000	0.4861	03	2.000	0.4133	04	5.000	0.4435
05	20.000	0.5026	06	50.000	0.4851	07	100.000	0.4747	08	150.000	0.4621
09	200.000	0.4915									

trans-1,3-Dichloropropene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.3937	02	1.000	0.414	03	2.000	0.4154	04	5.000	0.4509
05	20.000	0.516	06	50.000	0.5311	07	100.000	0.543	08	150.000	0.5521
09	200.000	0.5735									

Client: Day Environmental, Inc. **Service Request:** R1903959
Project: 32 York St **Calibration Date:** 3/26/2019

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC1900035 **Signal ID:** 1
Instrument ID: R-MS-14

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	9.9	≤20	0.6642	0.100
1,1,2,2-Tetrachloroethane	TRG	Average RF	% RSD	2.8	≤20	1.052	0.300
1,1,2-Trichloro-1,2,2-trifluoroethane	TRG	Average RF	% RSD	8.6	≤20	0.3786	0.100
1,1,2-Trichloroethane	TRG	Average RF	% RSD	4.9	≤20	0.3557	0.100
1,1-Dichloroethane (1,1-DCA)	TRG	Average RF	% RSD	7.5	≤20	0.8587	0.200
1,1-Dichloroethene (1,1-DCE)	TRG	Average RF	% RSD	8.2	≤20	0.4176	0.100
1,2,3-Trichlorobenzene	TRG	Quadratic	COD	0.9982	≥0.99	0.9954	
1,2,4-Trichlorobenzene	TRG	Quadratic	COD	0.9977	≥0.99	1.029	0.200
1,2,4-Trimethylbenzene	TRG	Average RF	% RSD	10.4	≤20	2.491	
1,2-Dibromo-3-chloropropane (DBCP)	TRG	Quadratic	COD	0.9991	≥0.99	0.25	0.050
1,2-Dibromoethane	TRG	Average RF	% RSD	7.6	≤20	0.4107	0.100
1,2-Dichlorobenzene	TRG	Average RF	% RSD	4.2	≤20	1.596	0.400
1,2-Dichloroethane	TRG	Average RF	% RSD	5.6	≤20	0.4682	0.100
1,2-Dichloropropane	TRG	Average RF	% RSD	7.1	≤20	0.3582	0.100
1,3,5-Trimethylbenzene	TRG	Average RF	% RSD	9.2	≤20	2.461	
1,3-Dichlorobenzene	TRG	Average RF	% RSD	4.6	≤20	1.571	0.600
1,4-Dichlorobenzene	TRG	Average RF	% RSD	4.2	≤20	1.651	0.500
1,4-Dioxane	TRG	Average RF	% RSD	9.6	≤20	0.007718	
2-Butanone (MEK)	TRG	Average RF	% RSD	4.9	≤20	0.3632	0.05
2-Hexanone	TRG	Average RF	% RSD	9.1	≤20	0.3642	0.05
4-Bromofluorobenzene	SURR	Average RF	% RSD	9.9	≤20	0.515	
4-Isopropyltoluene	TRG	Average RF	% RSD	9.8	≤20	2.589	
4-Methyl-2-pentanone	TRG	Average RF	% RSD	7.7	≤20	0.432	0.05
Acetone	TRG	Average RF	% RSD	4.6	≤20	0.2444	0.05
Benzene	TRG	Average RF	% RSD	5.7	≤20	1.32	0.500
Bromochloromethane	TRG	Average RF	% RSD	4.7	≤20	0.3708	
Bromodichloromethane	TRG	Average RF	% RSD	9.5	≤20	0.4165	0.200
Bromoform	TRG	Quadratic	COD	0.9981	≥0.99	0.2479	0.100
Bromomethane	TRG	Quadratic	COD	0.9998	≥0.99	0.406	0.100
Carbon Disulfide	TRG	Average RF	% RSD	9.8	≤20	1.106	0.100
Carbon Tetrachloride	TRG	Average RF	% RSD	10.5	≤20	0.3539	0.05
Chlorobenzene	TRG	Average RF	% RSD	3.3	≤20	1.06	0.500
Chloroethane	TRG	Average RF	% RSD	13.0	≤20	0.3468	0.100
Chloroform	TRG	Average RF	% RSD	4.5	≤20	0.8478	0.200

Client: Day Environmental, Inc. **Service Request:** R1903959
Project: 32 York St **Calibration Date:** 3/26/2019

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC1900035 **Signal ID:** 1
Instrument ID: R-MS-14

		Calibration Evaluation				Calibration Evaluation	
Analyte Name	Compound Type	Fit Type	Eval	Eval Result	Control Criteria	Average RRF	Minimum RRF
Chloromethane	TRG	Average RF	% RSD	4.8	≤20	0.6557	0.100
Cyclohexane	TRG	Average RF	% RSD	8.4	≤20	0.2528	0.100
Dibromochloromethane	TRG	Average RF	% RSD	10.2	≤20	0.3748	0.100
Dibromofluoromethane	SURR	Average RF	% RSD	9.1	≤20	0.3332	
Dichlorodifluoromethane (CFC 12)	TRG	Average RF	% RSD	12.0	≤20	0.5855	0.100
Dichloromethane	TRG	Average RF	% RSD	4.4	≤20	0.5324	0.100
Ethylbenzene	TRG	Average RF	% RSD	7.3	≤20	0.5385	0.100
Isopropylbenzene (Cumene)	TRG	Average RF	% RSD	10.2	≤20	1.628	0.100
Methyl Acetate	TRG	Average RF	% RSD	7.9	≤20	0.5081	0.100
Methyl tert-Butyl Ether	TRG	Average RF	% RSD	4.6	≤20	1.59	0.100
Methylcyclohexane	TRG	Average RF	% RSD	9.9	≤20	0.3524	0.100
Naphthalene	TRG	Quadratic	COD	0.9988	≥0.99	3.017	
Styrene	TRG	Average RF	% RSD	10.3	≤20	1.118	0.300
Tetrachloroethene (PCE)	TRG	Average RF	% RSD	11.3	≤20	0.3247	0.200
Toluene	TRG	Average RF	% RSD	5.9	≤20	1.41	0.400
Toluene-d8	SURR	Average RF	% RSD	9.6	≤20	1.33	
Trichloroethene (TCE)	TRG	Average RF	% RSD	8.6	≤20	0.3601	0.200
Trichlorofluoromethane (CFC 11)	TRG	Average RF	% RSD	8.2	≤20	0.6624	0.100
Vinyl Chloride	TRG	Average RF	% RSD	11.1	≤20	0.5915	0.100
cis-1,2-Dichloroethene	TRG	Average RF	% RSD	5.6	≤20	0.5394	0.100
cis-1,3-Dichloropropene	TRG	Average RF	% RSD	11.1	≤20	0.5496	0.200
m,p-Xylenes	TRG	Average RF	% RSD	7.8	≤20	0.6662	0.100
n-Butylbenzene	TRG	Average RF	% RSD	11.8	≤20	2.281	
n-Propylbenzene	TRG	Average RF	% RSD	9.0	≤20	3.429	
o-Xylene	TRG	Average RF	% RSD	8.3	≤20	0.6591	0.300
sec-Butylbenzene	TRG	Average RF	% RSD	10.9	≤20	3.044	
tert-Butylbenzene	TRG	Average RF	% RSD	9.1	≤20	2.13	
trans-1,2-Dichloroethene	TRG	Average RF	% RSD	6.0	≤20	0.4678	0.100
trans-1,3-Dichloropropene	TRG	Average RF	% RSD	14.2	≤20	0.4877	0.100

Client: Day Environmental, Inc. **Service Request:** R1903959
Project: 32 York St **Calibration Date:** 4/30/2019

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC1900049 **Signal ID:** 1
Instrument ID: R-MS-10

#	Lab Code	Sample Name	File Location	Acquisition Date
01	RC1900049-01	STD #1-0.5 PPB	I:\ACQUDATA\msvoa10\data\043019\E0690.D	04/30/2019 14:12
02	RC1900049-02	STD #2-1.0 PPB	I:\ACQUDATA\msvoa10\data\043019\E0691.D	04/30/2019 14:50
03	RC1900049-03	STD #3-2.0 PPB	I:\ACQUDATA\msvoa10\data\043019\E0692.D	04/30/2019 15:12
04	RC1900049-04	STD #4-5.0 PPB	I:\ACQUDATA\msvoa10\data\043019\E0693.D	04/30/2019 15:34
05	RC1900049-05	STD #5-20 PPB	I:\ACQUDATA\msvoa10\data\043019\E0694.D	04/30/2019 15:56
06	RC1900049-06	STD #6-50 PPB	I:\ACQUDATA\msvoa10\data\043019\E0695.D	04/30/2019 16:18
07	RC1900049-07	STD #7-100 PPB	I:\ACQUDATA\msvoa10\data\043019\E0696.D	04/30/2019 16:40
08	RC1900049-08	STD #8-150 PPB	I:\ACQUDATA\msvoa10\data\043019\E0697.D	04/30/2019 17:02
09	RC1900049-09	STD #9-200 PPB	I:\ACQUDATA\msvoa10\data\043019\E0698.D	04/30/2019 17:24

Analyte

1,1,1-Trichloroethane (TCA)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.9545	02	1.000	0.8766	03	2.000	0.8483	04	5.000	0.8501
05	20.000	0.8132	06	50.000	0.8804	07	100.000	0.8814	08	150.000	0.9026
09	200.000	0.8894									

1,1,2,2-Tetrachloroethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.995	02	1.000	1.01	03	2.000	1.029	04	5.000	1.095
05	20.000	1.165	06	50.000	1.173	07	100.000	1.213	08	150.000	1.22
09	200.000	1.22									

1,1,2-Trichloro-1,2,2-trifluoroethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.4322	02	1.000	0.4902	03	2.000	0.4717	04	5.000	0.4684
05	20.000	0.4669	06	50.000	0.5019	07	100.000	0.4957	08	150.000	0.5115
09	200.000	0.5228									

1,1,2-Trichloroethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.3936	02	1.000	0.3313	03	2.000	0.3333	04	5.000	0.3615
05	20.000	0.3449	06	50.000	0.3578	07	100.000	0.3629	08	150.000	0.3712
09	200.000	0.3829									

1,1-Dichloroethane (1,1-DCA)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	1.159	02	1.000	1.154	03	2.000	1.266	04	5.000	1.142
05	20.000	1.128	06	50.000	1.204	07	100.000	1.193	08	150.000	1.237
09	200.000	1.215									

1,1-Dichloroethene (1,1-DCE)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.5869	02	1.000	0.5946	03	2.000	0.5265	04	5.000	0.5002
05	20.000	0.4739	06	50.000	0.5194	07	100.000	0.5101	08	150.000	0.5343
09	200.000	0.5415									

Client: Day Environmental, Inc. **Service Request:** R1903959
Project: 32 York St **Calibration Date:** 4/30/2019

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC1900049 **Signal ID:** 1
Instrument ID: R-MS-10

Analyte

1,2,3-Trichlorobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	1.239	02	1.000	1.229	03	2.000	1.145	04	5.000	1.181
05	20.000	1.23	06	50.000	1.242	07	100.000	1.233	08	150.000	1.215
09	200.000	1.207									

1,2,4-Trichlorobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	1.35	02	1.000	1.325	03	2.000	1.279	04	5.000	1.171
05	20.000	1.193	06	50.000	1.26	07	100.000	1.258	08	150.000	1.245
09	200.000	1.24									

1,2,4-Trimethylbenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	2.913	02	1.000	2.941	03	2.000	2.963	04	5.000	2.994
05	20.000	2.951	06	50.000	3.094	07	100.000	3.127	08	150.000	3.096
09	200.000	3.046									

1,2-Dibromo-3-chloropropane (DBCP)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
02	1.000	0.2004	03	2.000	0.2354	04	5.000	0.2285	05	20.000	0.2404
06	50.000	0.2503	07	100.000	0.2599	08	150.000	0.2578	09	200.000	0.2518

1,2-Dibromoethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.3655	02	1.000	0.3839	03	2.000	0.3573	04	5.000	0.4044
05	20.000	0.4071	06	50.000	0.4315	07	100.000	0.4295	08	150.000	0.4351
09	200.000	0.4231									

1,2-Dichlorobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	1.702	02	1.000	1.681	03	2.000	1.801	04	5.000	1.639
05	20.000	1.653	06	50.000	1.7	07	100.000	1.718	08	150.000	1.689
09	200.000	1.665									

1,2-Dichloroethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.6501	02	1.000	0.644	03	2.000	0.5998	04	5.000	0.5855
05	20.000	0.5779	06	50.000	0.6072	07	100.000	0.6065	08	150.000	0.6167
09	200.000	0.6336									

1,2-Dichloropropane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.3582	02	1.000	0.4371	03	2.000	0.4387	04	5.000	0.4145
05	20.000	0.4267	06	50.000	0.4325	07	100.000	0.44	08	150.000	0.4429
09	200.000	0.4557									

Client: Day Environmental, Inc. **Service Request:** R1903959
Project: 32 York St **Calibration Date:** 4/30/2019

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC1900049 **Signal ID:** 1
Instrument ID: R-MS-10

Analyte

1,3,5-Trimethylbenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	2.811	02	1.000	3.099	03	2.000	2.964	04	5.000	2.911
05	20.000	2.961	06	50.000	3.086	07	100.000	3.152	08	150.000	3.099
09	200.000	3.14									

1,3-Dichlorobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	2.014	02	1.000	1.639	03	2.000	1.727	04	5.000	1.702
05	20.000	1.625	06	50.000	1.698	07	100.000	1.688	08	150.000	1.665
09	200.000	1.65									

1,4-Dichlorobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	2.044	02	1.000	1.838	03	2.000	1.649	04	5.000	1.763
05	20.000	1.704	06	50.000	1.731	07	100.000	1.717	08	150.000	1.702
09	200.000	1.702									

1,4-Dioxane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
02	20.000	0.00659	03	40.000	0.007083	04	100.000	0.006854	05	400.000	0.006706
06	1000.000	0.006978	07	2000.000	0.007205	08	3000.000	0.007518	09	4000.000	0.007325

2-Butanone (MEK)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	5.000	0.4491	05	20.000	0.4204	06	50.000	0.4507	07	100.000	0.4693
08	150.000	0.4733	09	200.000	0.4647						

2-Hexanone

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	5.000	0.4538	05	20.000	0.4704	06	50.000	0.4821	07	100.000	0.4977
08	150.000	0.5009	09	200.000	0.4944						

4-Bromofluorobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	10.000	0.4964	05	20.000	0.4727	06	50.000	0.5433	07	100.000	0.5548
08	200.000	0.5553									

4-Isopropyltoluene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	3.231	02	1.000	3.011	03	2.000	2.995	04	5.000	3.093
05	20.000	3.083	06	50.000	3.281	07	100.000	3.285	08	150.000	3.225
09	200.000	3.215									

4-Methyl-2-pentanone

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
03	2.000	0.4607	04	5.000	0.5253	05	20.000	0.5634	06	50.000	0.542
07	100.000	0.5698	08	150.000	0.5818	09	200.000	0.5964			

Client: Day Environmental, Inc. **Service Request:** R1903959
Project: 32 York St **Calibration Date:** 4/30/2019

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC1900049 **Signal ID:** 1
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Analyte

Acetone

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	5.000	0.404	05	20.000	0.343	06	50.000	0.3548	07	100.000	0.3461
08	150.000	0.3411	09	200.000	0.3454						

Benzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	1.618	02	1.000	1.536	03	2.000	1.512	04	5.000	1.479
05	20.000	1.471	06	50.000	1.552	07	100.000	1.543	08	150.000	1.541
09	200.000	1.58									

Bromochloromethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.2891	02	1.000	0.398	03	2.000	0.4114	04	5.000	0.3414
05	20.000	0.3509	06	50.000	0.3634	07	100.000	0.3693	08	150.000	0.3793
09	200.000	0.3787									

Bromodichloromethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.4426	02	1.000	0.4507	03	2.000	0.4614	04	5.000	0.4614
05	20.000	0.4744	06	50.000	0.4903	07	100.000	0.5067	08	150.000	0.5166
09	200.000	0.5367									

Bromoform

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
02	1.000	0.1996	03	2.000	0.2188	04	5.000	0.2197	05	20.000	0.2447
06	50.000	0.2862	07	100.000	0.2985	08	150.000	0.317	09	200.000	0.3192

Bromomethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
02	1.000	0.8391	03	2.000	0.7707	04	5.000	0.6523	05	20.000	0.5121
06	50.000	0.5431	07	100.000	0.8873	08	150.000	0.9299			

Carbon Disulfide

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	1.894	02	1.000	1.642	03	2.000	1.624	04	5.000	1.403
05	20.000	1.521	06	50.000	1.522	07	100.000	1.526	08	150.000	1.565
09	200.000	1.644									

Carbon Tetrachloride

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.4456	02	1.000	0.4585	03	2.000	0.4054	04	5.000	0.4263
05	20.000	0.4105	06	50.000	0.4385	07	100.000	0.4504	08	150.000	0.4579
09	200.000	0.4767									

Chlorobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	1.17	02	1.000	1.084	03	2.000	1.121	04	5.000	1.096
05	20.000	1.101	06	50.000	1.154	07	100.000	1.151	08	150.000	1.142

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Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC1900049 **Signal ID:** 1
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Analyte

Chlorobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
09	200.000	1.128									

Chloroethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.5322	02	1.000	0.6565	03	2.000	0.5457	04	5.000	0.5202
05	20.000	0.4888	06	50.000	0.5426	07	100.000	0.5317	08	150.000	0.5503
09	200.000	0.5506									

Chloroform

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	1.079	02	1.000	1.194	03	2.000	0.9738	04	5.000	1.008
05	20.000	0.9726	06	50.000	1.048	07	100.000	1.044	08	150.000	1.066
09	200.000	1.06									

Chloromethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	1.166	02	1.000	0.9348	03	2.000	1.062	04	5.000	0.9796
05	20.000	0.8718	06	50.000	0.9496	07	100.000	0.9022	08	150.000	0.9689
09	200.000	0.9641									

Cyclohexane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
02	1.000	0.5537	03	2.000	0.4632	04	5.000	0.4225	05	20.000	0.3988
06	50.000	0.4275	07	100.000	0.4366	08	150.000	0.4319	09	200.000	0.4452

Dibromochloromethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.3629	02	1.000	0.4183	03	2.000	0.3549	04	5.000	0.3676
05	20.000	0.3738	06	50.000	0.4034	07	100.000	0.4168	08	150.000	0.4259
09	200.000	0.4228									

Dibromofluoromethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	10.000	0.3539	05	20.000	0.303	06	50.000	0.3338	07	100.000	0.3319
08	200.000	0.315									

Dichlorodifluoromethane (CFC 12)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.6072	02	1.000	0.7337	03	2.000	0.6547	04	5.000	0.7376
05	20.000	0.6868	06	50.000	0.7597	07	100.000	0.7297	08	150.000	0.7613
09	200.000	0.7645									

Dichloromethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.7741	02	1.000	0.6683	03	2.000	0.6019	04	5.000	0.6034
05	20.000	0.5534	06	50.000	0.6066	07	100.000	0.5917	08	150.000	0.6274
09	200.000	0.6242									

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Initial Calibration Summary
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Analyte

Ethylbenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.5122	02	1.000	0.6071	03	2.000	0.5722	04	5.000	0.5611
05	20.000	0.5868	06	50.000	0.631	07	100.000	0.6133	08	150.000	0.6236
09	200.000	0.6071									

Isopropylbenzene (Cumene)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	1.735	02	1.000	1.906	03	2.000	1.835	04	5.000	1.794
05	20.000	1.833	06	50.000	2.026	07	100.000	2.043	08	150.000	2.049
09	200.000	2.012									

Methyl Acetate

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
02	1.000	0.776	03	2.000	0.7608	04	5.000	0.7387	05	20.000	0.6946
06	50.000	0.7291	07	100.000	0.7321	08	150.000	0.7495	09	200.000	0.7614

Methyl tert-Butyl Ether

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	1.925	02	1.000	2.117	03	2.000	1.953	04	5.000	1.974
05	20.000	1.899	06	50.000	2.056	07	100.000	2.034	08	150.000	2.118
09	200.000	2.136									

Methylcyclohexane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.6022	02	1.000	0.5952	03	2.000	0.5614	04	5.000	0.4571
05	20.000	0.4956	06	50.000	0.5176	07	100.000	0.5278	08	150.000	0.5317
09	200.000	0.5474									

Naphthalene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	3.072	02	1.000	2.858	03	2.000	3.2	04	5.000	3.354
05	20.000	3.411	06	50.000	3.596	07	100.000	3.551	08	150.000	3.486
09	200.000	3.449									

Styrene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	1.038	02	1.000	1.126	03	2.000	1.109	04	5.000	1.183
05	20.000	1.197	06	50.000	1.344	07	100.000	1.345	08	150.000	1.392
09	200.000	1.369									

Tetrachloroethene (PCE)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.3601	02	1.000	0.327	03	2.000	0.346	04	5.000	0.3116
05	20.000	0.2862	06	50.000	0.3265	07	100.000	0.3116	08	150.000	0.314
09	200.000	0.3072									

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Initial Calibration Summary
Volatile Organic Compounds by GC/MS

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Analyte

Toluene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	1.562	02	1.000	1.63	03	2.000	1.599	04	5.000	1.573
05	20.000	1.538	06	50.000	1.645	07	100.000	1.636	08	150.000	1.679
09	200.000	1.688									

Toluene-d8

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	10.000	1.493	05	20.000	1.265	06	50.000	1.341	07	100.000	1.365
08	200.000	1.314									

Trichloroethene (TCE)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.489	02	1.000	0.4208	03	2.000	0.3859	04	5.000	0.363
05	20.000	0.349	06	50.000	0.3582	07	100.000	0.3583	08	150.000	0.3558
09	200.000	0.3591									

Trichlorofluoromethane (CFC 11)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.9529	02	1.000	0.8442	03	2.000	0.8264	04	5.000	0.8506
05	20.000	0.8139	06	50.000	0.903	07	100.000	0.8558	08	150.000	0.8921
09	200.000	0.8883									

Vinyl Chloride

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.9323	02	1.000	0.8918	03	2.000	0.882	04	5.000	0.8745
05	20.000	0.8447	06	50.000	0.9212	07	100.000	0.9009	08	150.000	0.933
09	200.000	0.9461									

cis-1,2-Dichloroethene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.6566	02	1.000	0.6561	03	2.000	0.5862	04	5.000	0.5856
05	20.000	0.5765	06	50.000	0.6316	07	100.000	0.6195	08	150.000	0.6342
09	200.000	0.6294									

cis-1,3-Dichloropropene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.5999	02	1.000	0.6323	03	2.000	0.5967	04	5.000	0.5906
05	20.000	0.6136	06	50.000	0.6567	07	100.000	0.6752	08	150.000	0.6948
09	200.000	0.7071									

m,p-Xylenes

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.7735	02	2.000	0.7224	03	4.000	0.7458	04	10.000	0.6882
05	40.000	0.7192	06	100.000	0.8006	07	200.000	0.7911	08	300.000	0.7997
09	400.000	0.7931									

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Initial Calibration Summary
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Analyte

n-Butylbenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	2.996	02	1.000	2.787	03	2.000	3.05	04	5.000	2.901
05	20.000	3.108	06	50.000	3.369	07	100.000	3.397	08	150.000	3.352
09	200.000	3.338									

n-Propylbenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	4.465	02	1.000	4.827	03	2.000	4.375	04	5.000	4.408
05	20.000	4.214	06	50.000	4.508	07	100.000	4.465	08	150.000	4.319
09	200.000	4.32									

o-Xylene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.699	02	1.000	0.7535	03	2.000	0.6826	04	5.000	0.6939
05	20.000	0.7067	06	50.000	0.7767	07	100.000	0.7667	08	150.000	0.7865
09	200.000	0.785									

sec-Butylbenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	3.846	02	1.000	3.858	03	2.000	3.826	04	5.000	3.762
05	20.000	3.748	06	50.000	4.006	07	100.000	3.995	08	150.000	3.92
09	200.000	3.879									

tert-Butylbenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	2.63	02	1.000	2.643	03	2.000	2.513	04	5.000	2.527
05	20.000	2.446	06	50.000	2.583	07	100.000	2.574	08	150.000	2.541
09	200.000	2.542									

trans-1,2-Dichloroethene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.5544	02	1.000	0.5884	03	2.000	0.5536	04	5.000	0.5346
05	20.000	0.5007	06	50.000	0.5715	07	100.000	0.5716	08	150.000	0.5874
09	200.000	0.5912									

trans-1,3-Dichloropropene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.5295	02	1.000	0.5441	03	2.000	0.5619	04	5.000	0.5437
05	20.000	0.5758	06	50.000	0.6141	07	100.000	0.6315	08	150.000	0.6496
09	200.000	0.6761									

Client: Day Environmental, Inc. **Service Request:** R1903959
Project: 32 York St **Calibration Date:** 4/30/2019

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

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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	4.5	≤20	0.8774	0.100
1,1,2,2-Tetrachloroethane	TRG	Average RF	% RSD	8.3	≤20	1.124	0.300
1,1,2-Trichloro-1,2,2-trifluoroethane	TRG	Average RF	% RSD	5.7	≤20	0.4846	0.100
1,1,2-Trichloroethane	TRG	Average RF	% RSD	5.9	≤20	0.3599	0.100
1,1-Dichloroethane (1,1-DCA)	TRG	Average RF	% RSD	3.9	≤20	1.189	0.200
1,1-Dichloroethene (1,1-DCE)	TRG	Average RF	% RSD	7.3	≤20	0.5319	0.100
1,2,3-Trichlorobenzene	TRG	Average RF	% RSD	2.6	≤20	1.213	
1,2,4-Trichlorobenzene	TRG	Average RF	% RSD	4.5	≤20	1.258	0.200
1,2,4-Trimethylbenzene	TRG	Average RF	% RSD	2.6	≤20	3.014	
1,2-Dibromo-3-chloropropane (DBCP)	TRG	Average RF	% RSD	8.1	≤20	0.2406	0.050
1,2-Dibromoethane	TRG	Average RF	% RSD	7.2	≤20	0.4042	0.100
1,2-Dichlorobenzene	TRG	Average RF	% RSD	2.8	≤20	1.694	0.400
1,2-Dichloroethane	TRG	Average RF	% RSD	4.1	≤20	0.6135	0.100
1,2-Dichloropropane	TRG	Average RF	% RSD	6.6	≤20	0.4274	0.100
1,3,5-Trimethylbenzene	TRG	Average RF	% RSD	3.9	≤20	3.025	
1,3-Dichlorobenzene	TRG	Average RF	% RSD	6.9	≤20	1.712	0.600
1,4-Dichlorobenzene	TRG	Average RF	% RSD	6.7	≤20	1.761	0.500
1,4-Dioxane	TRG	Average RF	% RSD	4.5	≤20	0.007032	
2-Butanone (MEK)	TRG	Average RF	% RSD	4.3	≤20	0.4546	0.05
2-Hexanone	TRG	Average RF	% RSD	3.8	≤20	0.4832	0.05
4-Bromofluorobenzene	SURR	Average RF	% RSD	7.2	≤20	0.5245	
4-Isopropyltoluene	TRG	Average RF	% RSD	3.6	≤20	3.158	
4-Methyl-2-pentanone	TRG	Average RF	% RSD	8.3	≤20	0.5485	0.05
Acetone	TRG	Average RF	% RSD	6.8	≤20	0.3557	0.05
Benzene	TRG	Average RF	% RSD	3.0	≤20	1.537	0.500
Bromochloromethane	TRG	Average RF	% RSD	9.8	≤20	0.3646	
Bromodichloromethane	TRG	Average RF	% RSD	6.7	≤20	0.4823	0.200
Bromoform	TRG	Quadratic	COD	0.9972	≥0.99	0.263	0.100
Bromomethane	TRG	Quadratic	COD	0.9920	≥0.99	0.7335	0.100
Carbon Disulfide	TRG	Average RF	% RSD	8.5	≤20	1.593	0.100
Carbon Tetrachloride	TRG	Average RF	% RSD	5.3	≤20	0.4411	0.05
Chlorobenzene	TRG	Average RF	% RSD	2.6	≤20	1.127	0.500
Chloroethane	TRG	Average RF	% RSD	8.3	≤20	0.5465	0.100
Chloroform	TRG	Average RF	% RSD	6.3	≤20	1.049	0.200

Client: Day Environmental, Inc. **Service Request:** R1903959
Project: 32 York St **Calibration Date:** 4/30/2019

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Volatile Organic Compounds by GC/MS

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Instrument ID: R-MS-10

		Calibration Evaluation				Calibration Evaluation	
Analyte Name	Compound Type	Fit Type	Eval	Eval Result	Control Criteria	Average RRF	Minimum RRF
Chloromethane	TRG	Average RF	% RSD	9.0	≤20	0.9777	0.100
Cyclohexane	TRG	Average RF	% RSD	10.4	≤20	0.4474	0.100
Dibromochloromethane	TRG	Average RF	% RSD	7.3	≤20	0.394	0.100
Dibromofluoromethane	SURR	Average RF	% RSD	5.9	≤20	0.3275	
Dichlorodifluoromethane (CFC 12)	TRG	Average RF	% RSD	7.6	≤20	0.715	0.100
Dichloromethane	TRG	Average RF	% RSD	10.0	≤20	0.6279	0.100
Ethylbenzene	TRG	Average RF	% RSD	6.3	≤20	0.5905	0.100
Isopropylbenzene (Cumene)	TRG	Average RF	% RSD	6.3	≤20	1.915	0.100
Methyl Acetate	TRG	Average RF	% RSD	3.4	≤20	0.7428	0.100
Methyl tert-Butyl Ether	TRG	Average RF	% RSD	4.4	≤20	2.024	0.100
Methylcyclohexane	TRG	Average RF	% RSD	8.6	≤20	0.5373	0.100
Naphthalene	TRG	Average RF	% RSD	7.3	≤20	3.331	
Styrene	TRG	Average RF	% RSD	10.6	≤20	1.234	0.300
Tetrachloroethene (PCE)	TRG	Average RF	% RSD	6.8	≤20	0.3211	0.200
Toluene	TRG	Average RF	% RSD	3.2	≤20	1.617	0.400
Toluene-d8	SURR	Average RF	% RSD	6.3	≤20	1.356	
Trichloroethene (TCE)	TRG	Average RF	% RSD	12.0	≤20	0.3821	0.200
Trichlorofluoromethane (CFC 11)	TRG	Average RF	% RSD	5.0	≤20	0.8697	0.100
Vinyl Chloride	TRG	Average RF	% RSD	3.7	≤20	0.903	0.100
cis-1,2-Dichloroethene	TRG	Average RF	% RSD	4.9	≤20	0.6195	0.100
cis-1,3-Dichloropropene	TRG	Average RF	% RSD	6.9	≤20	0.6408	0.200
m,p-Xylenes	TRG	Average RF	% RSD	5.5	≤20	0.7593	0.100
n-Butylbenzene	TRG	Average RF	% RSD	7.2	≤20	3.144	
n-Propylbenzene	TRG	Average RF	% RSD	3.9	≤20	4.433	
o-Xylene	TRG	Average RF	% RSD	5.8	≤20	0.739	0.300
sec-Butylbenzene	TRG	Average RF	% RSD	2.3	≤20	3.871	
tert-Butylbenzene	TRG	Average RF	% RSD	2.4	≤20	2.555	
trans-1,2-Dichloroethene	TRG	Average RF	% RSD	5.3	≤20	0.5615	0.100
trans-1,3-Dichloropropene	TRG	Average RF	% RSD	8.9	≤20	0.5918	0.100

Client: Day Environmental, Inc. **Service Request:** R1903959
Project: 32 York St **Calibration Date:** 5/1/2019

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC1900051 **Signal ID:** 1
Instrument ID: R-MS-12

#	Lab Code	Sample Name	File Location	Acquisition Date
01	RC1900051-01	0.5ppb	I:\ACQUDATA\msvoa12\Data\050119\P26232.D	05/01/2019 12:47
02	RC1900051-02	1.0ppb	I:\ACQUDATA\msvoa12\Data\050119\P26233.D	05/01/2019 13:08
03	RC1900051-03	2.0ppb	I:\ACQUDATA\msvoa12\Data\050119\P26234.D	05/01/2019 13:30
04	RC1900051-04	5.0ppb	I:\ACQUDATA\msvoa12\Data\050119\P26235.D	05/01/2019 13:52
05	RC1900051-05	20ppb	I:\ACQUDATA\msvoa12\Data\050119\P26236.D	05/01/2019 14:14
06	RC1900051-06	50ppb	I:\ACQUDATA\msvoa12\Data\050119\P26237.D	05/01/2019 14:36
07	RC1900051-07	100ppb	I:\ACQUDATA\msvoa12\Data\050119\P26238.D	05/01/2019 14:58
08	RC1900051-08	150ppb	I:\ACQUDATA\msvoa12\Data\050119\P26239.D	05/01/2019 15:20
09	RC1900051-09	200ppb	I:\ACQUDATA\msvoa12\Data\050119\P26240.D	05/01/2019 15:42

Analyte

1,1,1-Trichloroethane (TCA)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.8027	02	1.000	0.7624	03	2.000	0.8053	04	5.000	0.7802
05	20.000	0.7663	06	50.000	0.742	07	100.000	0.7047	08	150.000	0.636
09	200.000	0.6356									

1,1,2,2-Tetrachloroethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.9045	02	1.000	1.132	03	2.000	1.059	04	5.000	1.052
05	20.000	1.06	06	50.000	0.8463	07	100.000	0.8515	08	150.000	0.8273
09	200.000	0.8202									

1,1,2-Trichloro-1,2,2-trifluoroethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.3869	02	1.000	0.3825	03	2.000	0.3505	04	5.000	0.3815
05	20.000	0.4158	06	50.000	0.3689	07	100.000	0.3487	08	150.000	0.336
09	200.000	0.3422									

1,1,2-Trichloroethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.3547	02	1.000	0.3765	03	2.000	0.3543	04	5.000	0.3597
05	20.000	0.3625	06	50.000	0.3534	07	100.000	0.3431	08	150.000	0.3255
09	200.000	0.3316									

1,1-Dichloroethane (1,1-DCA)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.7366	02	1.000	0.7936	03	2.000	0.8376	04	5.000	0.7524
05	20.000	0.8396	06	50.000	0.7665	07	100.000	0.7106	08	150.000	0.6371
09	200.000	0.6336									

1,1-Dichloroethene (1,1-DCE)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.4692	02	1.000	0.4368	03	2.000	0.4633	04	5.000	0.4223
05	20.000	0.4295	06	50.000	0.3925	07	100.000	0.3738	08	150.000	0.3645
09	200.000	0.3648									

Client: Day Environmental, Inc. **Service Request:** R1903959
Project: 32 York St **Calibration Date:** 5/1/2019

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC1900051 **Signal ID:** 1
Instrument ID: R-MS-12

Analyte

1,2,3-Trichlorobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
02	1.000	1.52	03	2.000	1.382	04	5.000	1.489	05	20.000	1.542
06	50.000	1.475	07	100.000	1.503	08	150.000	1.511	09	200.000	1.5

1,2,4-Trichlorobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	1.439	02	1.000	1.267	03	2.000	1.289	04	5.000	1.344
05	20.000	1.458	06	50.000	1.401	07	100.000	1.479	08	150.000	1.487
09	200.000	1.491									

1,2,4-Trimethylbenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	2.554	02	1.000	2.821	03	2.000	2.703	04	5.000	2.932
05	20.000	2.94	06	50.000	2.526	07	100.000	2.463	08	150.000	2.368
09	200.000	2.337									

1,2-Dibromo-3-chloropropane (DBCP)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
02	1.000	0.3293	03	2.000	0.3001	04	5.000	0.3191	05	20.000	0.357
06	50.000	0.3216	07	100.000	0.3489	08	150.000	0.3566	09	200.000	0.3631

1,2-Dibromoethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.3889	02	1.000	0.4173	03	2.000	0.3987	04	5.000	0.3859
05	20.000	0.4322	06	50.000	0.3957	07	100.000	0.4123	08	150.000	0.3983
09	200.000	0.4034									

1,2-Dichlorobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	1.611	02	1.000	1.768	03	2.000	1.717	04	5.000	1.786
05	20.000	1.828	06	50.000	1.645	07	100.000	1.638	08	150.000	1.595
09	200.000	1.593									

1,2-Dichloroethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.5065	02	1.000	0.4642	03	2.000	0.493	04	5.000	0.4521
05	20.000	0.5053	06	50.000	0.4615	07	100.000	0.4327	08	150.000	0.4071
09	200.000	0.411									

1,2-Dichloropropane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.2772	02	1.000	0.315	03	2.000	0.3313	04	5.000	0.3359
05	20.000	0.3428	06	50.000	0.3165	07	100.000	0.3045	08	150.000	0.2866
09	200.000	0.2916									

1,3,5-Trimethylbenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	2.872	02	1.000	2.77	03	2.000	2.659	04	5.000	2.895

Client: Day Environmental, Inc. **Service Request:** R1903959
Project: 32 York St **Calibration Date:** 5/1/2019

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC1900051 **Signal ID:** 1
Instrument ID: R-MS-12

Analyte

1,3,5-Trimethylbenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
05	20.000	2.955	06	50.000	2.527	07	100.000	2.446	08	150.000	2.337
09	200.000	2.313									

1,3-Dichlorobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	1.734	02	1.000	1.71	03	2.000	1.73	04	5.000	1.769
05	20.000	1.85	06	50.000	1.634	07	100.000	1.636	08	150.000	1.586
09	200.000	1.592									

1,4-Dichlorobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	1.652	02	1.000	1.83	03	2.000	1.841	04	5.000	1.845
05	20.000	1.836	06	50.000	1.714	07	100.000	1.665	08	150.000	1.607
09	200.000	1.6									

1,4-Dioxane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
03	40.000	0.009203	04	100.000	0.008334	05	400.000	0.007804	06	1000.000	0.007751
07	2000.000	0.008914	08	3000.000	0.008835	09	4000.000	0.008416			

2-Butanone (MEK)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
03	2.000	0.316	04	5.000	0.2978	05	20.000	0.3068	06	50.000	0.296
07	100.000	0.2586	08	150.000	0.2276	09	200.000	0.2225			

2-Hexanone

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
03	2.000	0.3225	04	5.000	0.3228	05	20.000	0.3661	06	50.000	0.3395
07	100.000	0.3359	08	150.000	0.3285	09	200.000	0.3371			

4-Bromofluorobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	10.000	0.5243	05	20.000	0.4339	06	50.000	0.4989	07	100.000	0.458
08	200.000	0.4167									

4-Isopropyltoluene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	3.22	02	1.000	2.852	03	2.000	3.01	04	5.000	3.076
05	20.000	3.256	06	50.000	2.891	07	100.000	2.795	08	150.000	2.69
09	200.000	2.65									

4-Methyl-2-pentanone

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
03	2.000	0.3887	04	5.000	0.357	05	20.000	0.414	06	50.000	0.3996
07	100.000	0.3958	08	150.000	0.3763	09	200.000	0.3805			

Client: Day Environmental, Inc. **Service Request:** R1903959
Project: 32 York St **Calibration Date:** 5/1/2019

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC1900051 **Signal ID:** 1
Instrument ID: R-MS-12

Analyte

Acetone

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	5.000	0.2437	05	20.000	0.2374	06	50.000	0.2093	07	100.000	0.1787
08	150.000	0.1621	09	200.000	0.1616						

Benzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	1.405	02	1.000	1.335	03	2.000	1.323	04	5.000	1.297
05	20.000	1.381	06	50.000	1.298	07	100.000	1.247	08	150.000	1.172
09	200.000	1.205									

Bromochloromethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.418	02	1.000	0.3411	03	2.000	0.3609	04	5.000	0.3527
05	20.000	0.3925	06	50.000	0.3576	07	100.000	0.3601	08	150.000	0.3317
09	200.000	0.3329									

Bromodichloromethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.4565	02	1.000	0.4242	03	2.000	0.423	04	5.000	0.442
05	20.000	0.4612	06	50.000	0.4319	07	100.000	0.4209	08	150.000	0.405
09	200.000	0.4158									

Bromoform

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
02	1.000	0.539	03	2.000	0.5444	04	5.000	0.5407	05	20.000	0.6097
06	50.000	0.5579	07	100.000	0.6106	08	150.000	0.6123	09	200.000	0.6243

Bromomethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.6299	02	1.000	0.6377	03	2.000	0.6225	04	5.000	0.611
05	20.000	0.5533	06	50.000	0.4659	07	100.000	0.4337	08	150.000	0.405
09	200.000	0.3663									

Carbon Disulfide

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	1.062	02	1.000	0.9079	03	2.000	1.052	04	5.000	1.036
05	20.000	1.14	06	50.000	1.041	07	100.000	0.9696	08	150.000	0.8965
09	200.000	0.9079									

Carbon Tetrachloride

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.3834	02	1.000	0.4043	03	2.000	0.4238	04	5.000	0.4401
05	20.000	0.4651	06	50.000	0.4548	07	100.000	0.453	08	150.000	0.4398
09	200.000	0.457									

Chlorobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.986	02	1.000	1.111	03	2.000	1.145	04	5.000	1.138

Client: Day Environmental, Inc. **Service Request:** R1903959
Project: 32 York St **Calibration Date:** 5/1/2019

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC1900051 **Signal ID:** 1
Instrument ID: R-MS-12

Analyte

Chlorobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
05	20.000	1.182	06	50.000	1.086	07	100.000	1.11	08	150.000	1.054
09	200.000	1.08									

Chloroethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.4591	02	1.000	0.3826	03	2.000	0.4369	04	5.000	0.4532
05	20.000	0.4379	06	50.000	0.4013	07	100.000	0.4046	08	150.000	0.3946
09	200.000	0.3537									

Chloroform

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.9594	02	1.000	0.7903	03	2.000	0.8959	04	5.000	0.8047
05	20.000	0.8495	06	50.000	0.7825	07	100.000	0.7266	08	150.000	0.6549
09	200.000	0.6559									

Chloromethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.4547	02	1.000	0.484	03	2.000	0.4282	04	5.000	0.4047
05	20.000	0.4684	06	50.000	0.4225	07	100.000	0.4075	08	150.000	0.3674
09	200.000	0.3925									

Cyclohexane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
02	1.000	0.246	03	2.000	0.2456	04	5.000	0.2642	05	20.000	0.2711
06	50.000	0.2711	07	100.000	0.2448	08	150.000	0.2286	09	200.000	0.2369

Dibromochloromethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.4566	02	1.000	0.4198	03	2.000	0.4061	04	5.000	0.4275
05	20.000	0.4575	06	50.000	0.4208	07	100.000	0.4543	08	150.000	0.4412
09	200.000	0.4596									

Dibromofluoromethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	10.000	0.3178	05	20.000	0.2691	06	50.000	0.2896	07	100.000	0.2896
08	200.000	0.2712									

Dichlorodifluoromethane (CFC 12)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.4711	02	1.000	0.485	03	2.000	0.4398	04	5.000	0.4088
05	20.000	0.538	06	50.000	0.5015	07	100.000	0.4649	08	150.000	0.4387
09	200.000	0.4512									

Dichloromethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.517	02	1.000	0.5579	03	2.000	0.5746	04	5.000	0.4341
05	20.000	0.4693	06	50.000	0.4299	07	100.000	0.4107	08	150.000	0.381

Client: Day Environmental, Inc. **Service Request:** R1903959
Project: 32 York St **Calibration Date:** 5/1/2019

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC1900051 **Signal ID:** 1
Instrument ID: R-MS-12

Analyte

Dichloromethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
09	200.000	0.3819									

Ethylbenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.5296	02	1.000	0.5518	03	2.000	0.6432	04	5.000	0.6404
05	20.000	0.6297	06	50.000	0.5797	07	100.000	0.6012	08	150.000	0.5716
09	200.000	0.601									

Isopropylbenzene (Cumene)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	3.322	02	1.000	3.474	03	2.000	3.432	04	5.000	3.507
05	20.000	3.491	06	50.000	2.897	07	100.000	2.819	08	150.000	2.708
09	200.000	2.652									

Methyl Acetate

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
02	1.000	0.3465	03	2.000	0.3864	04	5.000	0.4175	05	20.000	0.4241
06	50.000	0.4144	07	100.000	0.4608	08	150.000	0.4512	09	200.000	0.4282

Methyl tert-Butyl Ether

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	1.54	02	1.000	1.568	03	2.000	1.665	04	5.000	1.56
05	20.000	1.703	06	50.000	1.517	07	100.000	1.449	08	150.000	1.308
09	200.000	1.281									

Methylcyclohexane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
02	1.000	0.4182	03	2.000	0.424	04	5.000	0.3587	05	20.000	0.3862
06	50.000	0.3892	07	100.000	0.3565	08	150.000	0.3322	09	200.000	0.3434

Naphthalene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
02	1.000	4.181	03	2.000	4.007	04	5.000	4.203	05	20.000	4.538
06	50.000	4.008	07	100.000	3.985	08	150.000	3.923	09	200.000	3.734

Styrene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	1.085	02	1.000	0.9628	03	2.000	1.117	04	5.000	1.169
05	20.000	1.308	06	50.000	1.245	07	100.000	1.245	08	150.000	1.16
09	200.000	1.187									

Tetrachloroethene (PCE)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.3718	02	1.000	0.3128	03	2.000	0.3576	04	5.000	0.3574
05	20.000	0.3628	06	50.000	0.3482	07	100.000	0.3739	08	150.000	0.3667
09	200.000	0.3842									

Client: Day Environmental, Inc. **Service Request:** R1903959
Project: 32 York St **Calibration Date:** 5/1/2019

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC1900051 **Signal ID:** 1
Instrument ID: R-MS-12

Analyte

Toluene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	1.522	02	1.000	1.347	03	2.000	1.602	04	5.000	1.475
05	20.000	1.593	06	50.000	1.496	07	100.000	1.455	08	150.000	1.345
09	200.000	1.354									

Toluene-d8

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	10.000	1.36	05	20.000	1.177	06	50.000	1.216	07	100.000	1.163
08	200.000	1.051									

Trichloroethene (TCE)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.4002	02	1.000	0.4063	03	2.000	0.4045	04	5.000	0.3994
05	20.000	0.4138	06	50.000	0.3976	07	100.000	0.4058	08	150.000	0.3889
09	200.000	0.4072									

Trichlorofluoromethane (CFC 11)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.6699	02	1.000	0.5998	03	2.000	0.6776	04	5.000	0.6466
05	20.000	0.7136	06	50.000	0.6607	07	100.000	0.6772	08	150.000	0.6254
09	200.000	0.6111									

Vinyl Chloride

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.5876	02	1.000	0.4546	03	2.000	0.4942	04	5.000	0.538
05	20.000	0.6041	06	50.000	0.529	07	100.000	0.5196	08	150.000	0.4762
09	200.000	0.4738									

cis-1,2-Dichloroethene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.5695	02	1.000	0.5998	03	2.000	0.6045	04	5.000	0.5474
05	20.000	0.5517	06	50.000	0.5079	07	100.000	0.4913	08	150.000	0.4443
09	200.000	0.4456									

cis-1,3-Dichloropropene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.5576	02	1.000	0.5494	03	2.000	0.6018	04	5.000	0.5681
05	20.000	0.6002	06	50.000	0.5556	07	100.000	0.5438	08	150.000	0.5087
09	200.000	0.5228									

m,p-Xylenes

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.6857	02	2.000	0.7191	03	4.000	0.7683	04	10.000	0.7334
05	40.000	0.7898	06	100.000	0.7463	07	200.000	0.7526	08	300.000	0.7079
09	400.000	0.7192									

Client: Day Environmental, Inc. **Service Request:** R1903959
Project: 32 York St **Calibration Date:** 5/1/2019

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC1900051 **Signal ID:** 1
Instrument ID: R-MS-12

Analyte

n-Butylbenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	2.748	02	1.000	2.409	03	2.000	2.56	04	5.000	2.577
05	20.000	2.723	06	50.000	2.298	07	100.000	2.268	08	150.000	2.214
09	200.000	2.201									

n-Propylbenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	3.709	02	1.000	3.641	03	2.000	3.707	04	5.000	3.816
05	20.000	3.81	06	50.000	3.188	07	100.000	3.046	08	150.000	2.919
09	200.000	2.854									

o-Xylene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.781	02	1.000	0.7251	03	2.000	0.7037	04	5.000	0.76
05	20.000	0.7849	06	50.000	0.7588	07	100.000	0.7534	08	150.000	0.7082
09	200.000	0.7296									

sec-Butylbenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	3.646	02	1.000	3.516	03	2.000	3.683	04	5.000	3.706
05	20.000	3.724	06	50.000	3.204	07	100.000	3.088	08	150.000	2.942
09	200.000	2.891									

tert-Butylbenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	2.52	02	1.000	2.367	03	2.000	2.515	04	5.000	2.674
05	20.000	2.647	06	50.000	2.368	07	100.000	2.278	08	150.000	2.192
09	200.000	2.159									

trans-1,2-Dichloroethene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.5181	02	1.000	0.5219	03	2.000	0.4446	04	5.000	0.4333
05	20.000	0.4772	06	50.000	0.4354	07	100.000	0.4372	08	150.000	0.4017
09	200.000	0.4032									

trans-1,3-Dichloropropene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.4973	02	1.000	0.4353	03	2.000	0.4503	04	5.000	0.4876
05	20.000	0.5555	06	50.000	0.5167	07	100.000	0.5161	08	150.000	0.4875
09	200.000	0.4908									

Client: Day Environmental, Inc. **Service Request:** R1903959
Project: 32 York St **Calibration Date:** 5/1/2019

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC1900051 **Signal ID:** 1
Instrument ID: R-MS-12

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	8.8	≤20	0.7372	0.100
1,1,2,2-Tetrachloroethane	TRG	Average RF	% RSD	13.0	≤20	0.9503	0.300
1,1,2-Trichloro-1,2,2-trifluoroethane	TRG	Average RF	% RSD	7.1	≤20	0.3681	0.100
1,1,2-Trichloroethane	TRG	Average RF	% RSD	4.5	≤20	0.3512	0.100
1,1-Dichloroethane (1,1-DCA)	TRG	Average RF	% RSD	10.1	≤20	0.7453	0.200
1,1-Dichloroethene (1,1-DCE)	TRG	Average RF	% RSD	9.9	≤20	0.413	0.100
1,2,3-Trichlorobenzene	TRG	Average RF	% RSD	3.2	≤20	1.49	
1,2,4-Trichlorobenzene	TRG	Average RF	% RSD	6.1	≤20	1.406	0.200
1,2,4-Trimethylbenzene	TRG	Average RF	% RSD	8.8	≤20	2.627	
1,2-Dibromo-3-chloropropane (DBCP)	TRG	Average RF	% RSD	6.7	≤20	0.337	0.050
1,2-Dibromoethane	TRG	Average RF	% RSD	3.6	≤20	0.4036	0.100
1,2-Dichlorobenzene	TRG	Average RF	% RSD	5.3	≤20	1.687	0.400
1,2-Dichloroethane	TRG	Average RF	% RSD	8.2	≤20	0.4593	0.100
1,2-Dichloropropane	TRG	Average RF	% RSD	7.4	≤20	0.3112	0.100
1,3,5-Trimethylbenzene	TRG	Average RF	% RSD	9.3	≤20	2.642	
1,3-Dichlorobenzene	TRG	Average RF	% RSD	5.2	≤20	1.693	0.600
1,4-Dichlorobenzene	TRG	Average RF	% RSD	6.1	≤20	1.732	0.500
1,4-Dioxane	TRG	Average RF	% RSD	6.6	≤20	0.008465	
2-Butanone (MEK)	TRG	Average RF	% RSD	14.0	≤20	0.2751	0.05
2-Hexanone	TRG	Average RF	% RSD	4.4	≤20	0.3361	0.05
4-Bromofluorobenzene	SURR	Average RF	% RSD	9.6	≤20	0.4664	
4-Isopropyltoluene	TRG	Average RF	% RSD	7.4	≤20	2.938	
4-Methyl-2-pentanone	TRG	Average RF	% RSD	4.7	≤20	0.3874	0.05
Acetone	TRG	Quadratic	COD	0.9943	≥0.99	0.1988	0.05
Benzene	TRG	Average RF	% RSD	5.9	≤20	1.296	0.500
Bromochloromethane	TRG	Average RF	% RSD	7.8	≤20	0.3608	
Bromodichloromethane	TRG	Average RF	% RSD	4.3	≤20	0.4312	0.200
Bromoform	TRG	Average RF	% RSD	6.5	≤20	0.5799	0.100
Bromomethane	TRG	Quadratic	COD	0.9995	≥0.99	0.525	0.100
Carbon Disulfide	TRG	Average RF	% RSD	8.5	≤20	1.002	0.100
Carbon Tetrachloride	TRG	Average RF	% RSD	6.2	≤20	0.4357	0.05
Chlorobenzene	TRG	Average RF	% RSD	5.2	≤20	1.099	0.500
Chloroethane	TRG	Average RF	% RSD	8.5	≤20	0.4138	0.100
Chloroform	TRG	Average RF	% RSD	13.0	≤20	0.7911	0.200

Client: Day Environmental, Inc. **Service Request:** R1903959
Project: 32 York St **Calibration Date:** 5/1/2019

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC1900051 **Signal ID:** 1
Instrument ID: R-MS-12

		Calibration Evaluation				Calibration Evaluation	
Analyte Name	Compound Type	Fit Type	Eval	Eval Result	Control Criteria	Average RRF	Minimum RRF
Chloromethane	TRG	Average RF	% RSD	8.9	≤20	0.4255	0.100
Cyclohexane	TRG	Average RF	% RSD	6.3	≤20	0.2511	0.100
Dibromochloromethane	TRG	Average RF	% RSD	4.6	≤20	0.4382	0.100
Dibromofluoromethane	SURR	Average RF	% RSD	6.8	≤20	0.2875	
Dichlorodifluoromethane (CFC 12)	TRG	Average RF	% RSD	8.2	≤20	0.4666	0.100
Dichloromethane	TRG	Quadratic	COD	0.9990	≥0.99	0.4618	0.100
Ethylbenzene	TRG	Average RF	% RSD	6.7	≤20	0.5943	0.100
Isopropylbenzene (Cumene)	TRG	Average RF	% RSD	11.6	≤20	3.145	0.100
Methyl Acetate	TRG	Average RF	% RSD	8.7	≤20	0.4161	0.100
Methyl tert-Butyl Ether	TRG	Average RF	% RSD	9.5	≤20	1.51	0.100
Methylcyclohexane	TRG	Average RF	% RSD	9.0	≤20	0.3761	0.100
Naphthalene	TRG	Average RF	% RSD	5.9	≤20	4.072	
Styrene	TRG	Average RF	% RSD	8.8	≤20	1.164	0.300
Tetrachloroethene (PCE)	TRG	Average RF	% RSD	5.7	≤20	0.3595	0.200
Toluene	TRG	Average RF	% RSD	6.8	≤20	1.465	0.400
Toluene-d8	SURR	Average RF	% RSD	9.3	≤20	1.193	
Trichloroethene (TCE)	TRG	Average RF	% RSD	1.8	≤20	0.4026	0.200
Trichlorofluoromethane (CFC 11)	TRG	Average RF	% RSD	5.6	≤20	0.6535	0.100
Vinyl Chloride	TRG	Average RF	% RSD	9.9	≤20	0.5197	0.100
cis-1,2-Dichloroethene	TRG	Average RF	% RSD	11.4	≤20	0.5291	0.100
cis-1,3-Dichloropropene	TRG	Average RF	% RSD	5.6	≤20	0.5564	0.200
m,p-Xylenes	TRG	Average RF	% RSD	4.4	≤20	0.7358	0.100
n-Butylbenzene	TRG	Average RF	% RSD	8.8	≤20	2.444	
n-Propylbenzene	TRG	Average RF	% RSD	11.8	≤20	3.41	
o-Xylene	TRG	Average RF	% RSD	4.0	≤20	0.745	0.300
sec-Butylbenzene	TRG	Average RF	% RSD	10.2	≤20	3.378	
tert-Butylbenzene	TRG	Average RF	% RSD	7.8	≤20	2.413	
trans-1,2-Dichloroethene	TRG	Average RF	% RSD	9.8	≤20	0.4525	0.100
trans-1,3-Dichloropropene	TRG	Average RF	% RSD	7.3	≤20	0.493	0.100

Client: Day Environmental, Inc. **Service Request:** R1903959
Project: 32 York St **Calibration Date:** 4/19/2019

Initial Calibration Verification Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC1900043 **Signal ID:** 1
Instrument ID: R-MS-14

#	Lab Code	Sample Name	File Location	Acquisition Date
09	RC1900043-09	50 PPB ICV	I:\ACQUDATA\MSVOA14\Data\041919\F6050.D	04/19/2019 16:31

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
1,1,1-Trichloroethane (TCA)	50.0	44.1	6.962E-1	6.14E-1	-11.799	±30	Average RF
1,1,2,2-Tetrachloroethane	50.0	46.3	7.81E-1	7.229E-1	-7.447	±30	Average RF
1,1,2-Trichloroethane	50.0	46.7	2.941E-1	2.749E-1	-6.527	±30	Average RF
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	41.7	4.322E-1	3.607E-1	-16.544	±30	Average RF
1,1-Dichloroethane (1,1-DCA)	50.0	45.4	8.853E-1	8.032E-1	-9.284	±30	Average RF
1,1-Dichloroethene (1,1-DCE)	50.0	43.0	4.287E-1	3.684E-1	-14.069	±30	Average RF
1,2,3-Trichlorobenzene	50.0	51.9	7.62E-1	8.432E-1	3.74	±30	Quadratic
1,2,4-Trichlorobenzene	50.0	49.4	9.161E-1	9.649E-1	-1.164	±30	Quadratic
1,2,4-Trimethylbenzene	50.0	45.2	2.678E0	2.422E0	-9.578	±30	Average RF
1,2-Dibromo-3-chloropropane (DBCP)	50.0	52.0	1.422E-1	1.478E-1	3.99	±30	Average RF
1,2-Dibromoethane	50.0	48.6	3.375E-1	3.278E-1	-2.869	±30	Average RF
1,2-Dichlorobenzene	50.0	44.5	1.532E0	1.365E0	-10.919	±30	Average RF
1,2-Dichloroethane	50.0	47.4	4.391E-1	4.162E-1	-5.236	±30	Average RF
1,2-Dichloropropane	50.0	47.2	3.355E-1	3.163E-1	-5.699	±30	Average RF
1,3,5-Trimethylbenzene	50.0	44.3	2.661E0	2.358E0	-11.404	±30	Average RF
1,3-Dichlorobenzene	50.0	43.3	1.618E0	1.403E0	-13.305	±30	Average RF
1,4-Dichlorobenzene	50.0	43.4	1.64E0	1.424E0	-13.149	±30	Average RF
1,4-Dioxane	1000	1100	4.746E-3	5.214E-3	9.87	±30	Average RF
2-Butanone (MEK)	50.0	53.4	2.647E-1	2.826E-1	6.79	±30	Average RF
2-Hexanone	50.0	53.8	2.638E-1	2.841E-1	7.70	±30	Average RF
4-Isopropyltoluene	50.0	42.9	2.95E0	2.534E0	-14.101	±30	Average RF
4-Methyl-2-pentanone	50.0	53.1	3.145E-1	3.338E-1	6.14	±30	Average RF
Acetone	50.0	58.5	1.946E-1	2.275E-1	16.90	±30	Average RF
Benzene	50.0	44.0	1.255E0	1.105E0	-11.990	±30	Average RF
Bromochloromethane	50.0	47.2	3.336E-1	3.151E-1	-5.534	±30	Average RF
Bromodichloromethane	50.0	47.0	3.952E-1	3.716E-1	-5.956	±30	Average RF
Bromoform	50.0	49.4	1.857E-1	1.836E-1	-1.105	±30	Average RF
Bromomethane	50.0	48.8	3.725E-1	3.123E-1	-2.344	±30	Quadratic
Carbon Disulfide	50.0	44.5	1.295E0	1.153E0	-10.921	±30	Average RF
Carbon Tetrachloride	50.0	42.5	1.081E-1	9.178E-2	-15.081	±30	Average RF
Chlorobenzene	50.0	44.7	1.01E0	9.039E-1	-10.516	±30	Average RF
Chloroethane	50.0	37.1	3.502E-1	2.599E-1	-25.771	±30	Average RF
Chloroform	50.0	46.1	8.562E-1	7.887E-1	-7.875	±30	Average RF

QA/QC Report

Client: Day Environmental, Inc. **Service Request:** R1903959
Project: 32 York St **Calibration Date:** 4/19/2019

Initial Calibration Verification Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC1900043 **Signal ID:** 1
Instrument ID: R-MS-14

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
Chloromethane	50.0	41.7	6.387E-1	5.323E-1	-16.657	±30	Average RF
Cyclohexane	50.0	46.4	2.996E-1	2.779E-1	-7.225	±30	Average RF
Dibromochloromethane	50.0	48.6	3.18E-1	3.092E-1	-2.758	±30	Average RF
Dichlorodifluoromethane (CFC 12)	50.0	41.6	6.377E-1	5.302E-1	-16.853	±30	Average RF
Dichloromethane	50.0	47.5	5.453E-1	4.682E-1	-5.046	±30	Quadratic
Ethylbenzene	50.0	44.6	5.334E-1	4.763E-1	-10.707	±30	Average RF
Isopropylbenzene (Cumene)	50.0	43.4	1.681E0	1.46E0	-13.136	±30	Average RF
Methyl Acetate	50.0	49.5	3.83E-1	3.79E-1	-1.031	±30	Average RF
Methyl tert-Butyl Ether	50.0	51.1	1.465E0	1.497E0	2.21	±30	Average RF
Methylcyclohexane	50.0	48.0	4.275E-1	4.102E-1	-4.038	±30	Average RF
Naphthalene	50.0	52.9	1.856E0	2.181E0	5.85	±30	Quadratic
Styrene	50.0	47.4	1.07E0	1.015E0	-5.171	±30	Average RF
Tetrachloroethene (PCE)	50.0	41.6	2.997E-1	2.494E-1	-16.781	±30	Average RF
Toluene	50.0	43.9	1.363E0	1.196E0	-12.242	±30	Average RF
Trichloroethene (TCE)	50.0	45.2	3.527E-1	3.19E-1	-9.559	±30	Average RF
Trichlorofluoromethane (CFC 11)	50.0	41.5	6.969E-1	5.785E-1	-16.980	±30	Average RF
Vinyl Chloride	50.0	41.8	6.011E-1	5.021E-1	-16.473	±30	Average RF
cis-1,2-Dichloroethene	50.0	46.3	5.404E-1	4.999E-1	-7.494	±30	Average RF
cis-1,3-Dichloropropene	50.0	48.4	5.175E-1	5.01E-1	-3.179	±30	Average RF
m,p-Xylenes	100	89.5	6.562E-1	5.872E-1	-10.518	±30	Average RF
n-Butylbenzene	50.0	43.6	2.75E0	2.396E0	-12.864	±30	Average RF
n-Propylbenzene	50.0	42.6	3.818E0	3.251E0	-14.835	±30	Average RF
o-Xylene	50.0	45.5	6.445E-1	5.867E-1	-8.955	±30	Average RF
sec-Butylbenzene	50.0	42.2	3.58E0	3.023E0	-15.547	±30	Average RF
tert-Butylbenzene	50.0	42.4	2.352E0	1.997E0	-15.106	±30	Average RF
trans-1,2-Dichloroethene	50.0	44.3	4.767E-1	4.226E-1	-11.360	±30	Average RF
trans-1,3-Dichloropropene	50.0	49.8	4.45E-1	4.436E-1	-0.306	±30	Average RF

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
4-Bromofluorobenzene	50.0	48.3	4.852E-1	4.691E-1	-3.314	±30	Average RF
Dibromofluoromethane	50.0	50.6	2.97E-1	3.007E-1	1.26	±30	Average RF
Toluene-d8	50.0	49.6	1.213E0	1.204E0	-0.727	±30	Average RF

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Day Environmental, Inc. **Service Request:** R1903959
Project: 32 York St **Calibration Date:** 3/26/2019

Initial Calibration Verification Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC1900035 **Signal ID:** 1
Instrument ID: R-MS-14

#	Lab Code	Sample Name	File Location	Acquisition Date
10	RC1900035-10	50 PPB ICV	I:\ACQUDATA\MSVOA14\Data\032619\F5222.D	03/26/2019 17:20

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
1,1,1-Trichloroethane (TCA)	50.0	56.7	6.642E-1	7.531E-1	13.39	±30	Average RF
1,1,2,2-Tetrachloroethane	50.0	50.3	1.052E0	1.058E0	0.603	±30	Average RF
1,1,2-Trichloroethane	50.0	48.9	3.557E-1	3.476E-1	-2.277	±30	Average RF
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	58.6	3.786E-1	4.437E-1	17.19	±30	Average RF
1,1-Dichloroethane (1,1-DCA)	50.0	53.7	8.587E-1	9.225E-1	7.43	±30	Average RF
1,1-Dichloroethene (1,1-DCE)	50.0	56.5	4.176E-1	4.721E-1	13.04	±30	Average RF
1,2,3-Trichlorobenzene	50.0	49.7	9.954E-1	1.063E0	-0.557	±30	Quadratic
1,2,4-Trichlorobenzene	50.0	50.7	1.029E0	1.108E0	1.40	±30	Quadratic
1,2,4-Trimethylbenzene	50.0	55.1	2.491E0	2.745E0	10.21	±30	Average RF
1,2-Dibromo-3-chloropropane (DBCP)	50.0	50.2	2.5E-1	2.554E-1	0.479	±30	Quadratic
1,2-Dibromoethane	50.0	50.5	4.107E-1	4.15E-1	1.03	±30	Average RF
1,2-Dichlorobenzene	50.0	48.4	1.596E0	1.546E0	-3.124	±30	Average RF
1,2-Dichloroethane	50.0	50.0	4.682E-1	4.685E-1	0.056	±30	Average RF
1,2-Dichloropropane	50.0	52.0	3.582E-1	3.723E-1	3.92	±30	Average RF
1,3,5-Trimethylbenzene	50.0	55.1	2.461E0	2.709E0	10.10	±30	Average RF
1,3-Dichlorobenzene	50.0	49.8	1.571E0	1.565E0	-0.406	±30	Average RF
1,4-Dichlorobenzene	50.0	47.8	1.651E0	1.578E0	-4.389	±30	Average RF
1,4-Dioxane	1000	1050	7.718E-3	8.119E-3	5.20	±30	Average RF
2-Butanone (MEK)	50.0	49.8	3.632E-1	3.618E-1	-0.384	±30	Average RF
2-Hexanone	50.0	52.0	3.642E-1	3.787E-1	3.98	±30	Average RF
4-Isopropyltoluene	50.0	55.4	2.589E0	2.871E0	10.86	±30	Average RF
4-Methyl-2-pentanone	50.0	51.4	4.32E-1	4.443E-1	2.87	±30	Average RF
Acetone	50.0	49.4	2.444E-1	2.415E-1	-1.200	±30	Average RF
Benzene	50.0	52.1	1.32E0	1.375E0	4.20	±30	Average RF
Bromochloromethane	50.0	48.7	3.708E-1	3.612E-1	-2.596	±30	Average RF
Bromodichloromethane	50.0	51.4	4.165E-1	4.279E-1	2.75	±30	Average RF
Bromoform	50.0	51.1	2.479E-1	2.524E-1	2.27	±30	Quadratic
Bromomethane	50.0	46.0	4.06E-1	3.072E-1	-7.974	±30	Quadratic
Carbon Disulfide	50.0	57.6	1.106E0	1.273E0	15.13	±30	Average RF
Carbon Tetrachloride	50.0	56.4	3.539E-1	3.995E-1	12.90	±30	Average RF
Chlorobenzene	50.0	51.1	1.06E0	1.084E0	2.26	±30	Average RF
Chloroethane	50.0	48.3	3.468E-1	3.352E-1	-3.356	±30	Average RF
Chloroform	50.0	51.8	8.478E-1	8.787E-1	3.64	±30	Average RF

ALS Group USA, Corp.
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QA/QC Report

Client: Day Environmental, Inc. **Service Request:** R1903959
Project: 32 York St **Calibration Date:** 3/26/2019

Initial Calibration Verification Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC1900035 **Signal ID:** 1
Instrument ID: R-MS-14

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
Chloromethane	50.0	50.2	6.557E-1	6.587E-1	0.465	±30	Average RF
Cyclohexane	50.0	56.1	2.528E-1	2.837E-1	12.23	±30	Average RF
Dibromochloromethane	50.0	51.0	3.748E-1	3.821E-1	1.95	±30	Average RF
Dichlorodifluoromethane (CFC 12)	50.0	57.9	5.855E-1	6.775E-1	15.71	±30	Average RF
Dichloromethane	50.0	49.1	5.324E-1	5.224E-1	-1.869	±30	Average RF
Ethylbenzene	50.0	55.7	5.385E-1	5.999E-1	11.41	±30	Average RF
Isopropylbenzene (Cumene)	50.0	55.9	1.628E0	1.819E0	11.77	±30	Average RF
Methyl Acetate	50.0	52.2	5.081E-1	5.309E-1	4.49	±30	Average RF
Methyl tert-Butyl Ether	50.0	52.5	1.59E0	1.669E0	4.97	±30	Average RF
Methylcyclohexane	50.0	57.9	3.524E-1	4.08E-1	15.77	±30	Average RF
Naphthalene	50.0	50.6	3.017E0	3.384E0	1.30	±30	Quadratic
Styrene	50.0	53.3	1.118E0	1.193E0	6.64	±30	Average RF
Tetrachloroethene (PCE)	50.0	51.4	3.247E-1	3.339E-1	2.83	±30	Average RF
Toluene	50.0	52.4	1.41E0	1.477E0	4.77	±30	Average RF
Trichloroethene (TCE)	50.0	53.2	3.601E-1	3.832E-1	6.43	±30	Average RF
Trichlorofluoromethane (CFC 11)	50.0	56.6	6.624E-1	7.504E-1	13.29	±30	Average RF
Vinyl Chloride	50.0	55.3	5.915E-1	6.544E-1	10.63	±30	Average RF
cis-1,2-Dichloroethene	50.0	52.4	5.394E-1	5.648E-1	4.70	±30	Average RF
cis-1,3-Dichloropropene	50.0	52.9	5.496E-1	5.82E-1	5.90	±30	Average RF
m,p-Xylenes	100	108	6.662E-1	7.224E-1	8.44	±30	Average RF
n-Butylbenzene	50.0	56.6	2.281E0	2.583E0	13.24	±30	Average RF
n-Propylbenzene	50.0	55.6	3.429E0	3.816E0	11.29	±30	Average RF
o-Xylene	50.0	53.6	6.591E-1	7.065E-1	7.20	±30	Average RF
sec-Butylbenzene	50.0	56.5	3.044E0	3.437E0	12.93	±30	Average RF
tert-Butylbenzene	50.0	54.9	2.13E0	2.339E0	9.80	±30	Average RF
trans-1,2-Dichloroethene	50.0	54.0	4.678E-1	5.049E-1	7.92	±30	Average RF
trans-1,3-Dichloropropene	50.0	53.8	4.877E-1	5.246E-1	7.56	±30	Average RF

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
4-Bromofluorobenzene	50.0	49.2	5.15E-1	5.067E-1	-1.624	±30	Average RF
Dibromofluoromethane	50.0	50.3	3.332E-1	3.354E-1	0.676	±30	Average RF
Toluene-d8	50.0	49.6	1.33E0	1.32E0	-0.777	±30	Average RF

Client: Day Environmental, Inc. **Service Request:** R1903959
Project: 32 York St **Calibration Date:** 4/30/2019

Initial Calibration Verification Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC1900049 **Signal ID:** 1
Instrument ID: R-MS-10

#	Lab Code	Sample Name	File Location	Acquisition Date
10	RC1900049-10	ICV-50	I:\ACQUDATA\msvoa10\data\043019\E0702.D	04/30/2019 18:53

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
1,1,1-Trichloroethane (TCA)	50.0	49.1	8.774E-1	8.617E-1	-1.791	±30	Average RF
1,1,2,2-Tetrachloroethane	50.0	50.0	1.124E0	1.125E0	0.018	±30	Average RF
1,1,2-Trichloroethane	50.0	46.8	3.599E-1	3.368E-1	-6.443	±30	Average RF
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	54.9	4.846E-1	5.317E-1	9.72	±30	Average RF
1,1-Dichloroethane (1,1-DCA)	50.0	48.6	1.189E0	1.155E0	-2.829	±30	Average RF
1,1-Dichloroethene (1,1-DCE)	50.0	47.7	5.319E-1	5.076E-1	-4.576	±30	Average RF
1,2,3-Trichlorobenzene	50.0	49.0	1.213E0	1.188E0	-2.081	±30	Average RF
1,2,4-Trichlorobenzene	50.0	48.5	1.258E0	1.221E0	-2.959	±30	Average RF
1,2,4-Trimethylbenzene	50.0	50.1	3.014E0	3.017E0	0.102	±30	Average RF
1,2-Dibromo-3-chloropropane (DBCP)	50.0	44.8	2.406E-1	2.155E-1	-10.423	±30	Average RF
1,2-Dibromoethane	50.0	50.5	4.042E-1	4.085E-1	1.08	±30	Average RF
1,2-Dichlorobenzene	50.0	46.9	1.694E0	1.591E0	-6.102	±30	Average RF
1,2-Dichloroethane	50.0	47.2	6.135E-1	5.787E-1	-5.674	±30	Average RF
1,2-Dichloropropane	50.0	49.8	4.274E-1	4.26E-1	-0.318	±30	Average RF
1,3,5-Trimethylbenzene	50.0	49.6	3.025E0	3.001E0	-0.786	±30	Average RF
1,3-Dichlorobenzene	50.0	48.4	1.712E0	1.656E0	-3.279	±30	Average RF
1,4-Dichlorobenzene	50.0	47.2	1.761E0	1.664E0	-5.503	±30	Average RF
1,4-Dioxane	1000	903	7.032E-3	6.347E-3	-9.746	±30	Average RF
2-Butanone (MEK)	50.0	49.1	4.546E-1	4.468E-1	-1.713	±30	Average RF
2-Hexanone	50.0	46.2	4.832E-1	4.461E-1	-7.689	±30	Average RF
4-Isopropyltoluene	50.0	50.7	3.158E0	3.202E0	1.42	±30	Average RF
4-Methyl-2-pentanone	50.0	47.7	5.485E-1	5.238E-1	-4.505	±30	Average RF
Acetone	50.0	53.6	3.557E-1	3.816E-1	7.28	±30	Average RF
Benzene	50.0	48.2	1.537E0	1.482E0	-3.541	±30	Average RF
Bromochloromethane	50.0	47.8	3.646E-1	3.488E-1	-4.332	±30	Average RF
Bromodichloromethane	50.0	49.5	4.823E-1	4.772E-1	-1.061	±30	Average RF
Bromoform	50.0	49.1	2.63E-1	2.613E-1	-1.750	±30	Quadratic
Bromomethane	50.0	46.0	7.335E-1	5.881E-1	-8.007	±30	Quadratic
Carbon Disulfide	50.0	50.2	1.593E0	1.601E0	0.494	±30	Average RF
Carbon Tetrachloride	50.0	49.3	4.411E-1	4.346E-1	-1.468	±30	Average RF
Chlorobenzene	50.0	48.4	1.127E0	1.092E0	-3.124	±30	Average RF
Chloroethane	50.0	42.0	5.465E-1	4.588E-1	-16.048	±30	Average RF
Chloroform	50.0	47.8	1.049E0	1.004E0	-4.351	±30	Average RF

Client: Day Environmental, Inc. **Service Request:** R1903959
Project: 32 York St **Calibration Date:** 4/30/2019

Initial Calibration Verification Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC1900049 **Signal ID:** 1
Instrument ID: R-MS-10

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
Chloromethane	50.0	47.0	9.777E-1	9.198E-1	-5.919	±30	Average RF
Cyclohexane	50.0	46.7	4.474E-1	4.18E-1	-6.588	±30	Average RF
Dibromochloromethane	50.0	49.0	3.94E-1	3.864E-1	-1.936	±30	Average RF
Dichlorodifluoromethane (CFC 12)	50.0	58.8	7.15E-1	8.407E-1	17.57	±30	Average RF
Dichloromethane	50.0	46.7	6.279E-1	5.865E-1	-6.592	±30	Average RF
Ethylbenzene	50.0	50.7	5.905E-1	5.99E-1	1.45	±30	Average RF
Isopropylbenzene (Cumene)	50.0	50.1	1.915E0	1.919E0	0.223	±30	Average RF
Methyl Acetate	50.0	44.1	7.428E-1	6.544E-1	-11.898	±30	Average RF
Methyl tert-Butyl Ether	50.0	49.6	2.024E0	2.008E0	-0.767	±30	Average RF
Methylcyclohexane	50.0	47.7	5.373E-1	5.126E-1	-4.595	±30	Average RF
Naphthalene	50.0	48.5	3.331E0	3.233E0	-2.920	±30	Average RF
Styrene	50.0	51.0	1.234E0	1.259E0	2.04	±30	Average RF
Tetrachloroethene (PCE)	50.0	48.6	3.211E-1	3.119E-1	-2.865	±30	Average RF
Toluene	50.0	49.3	1.617E0	1.593E0	-1.454	±30	Average RF
Trichloroethene (TCE)	50.0	47.0	3.821E-1	3.594E-1	-5.934	±30	Average RF
Trichlorofluoromethane (CFC 11)	50.0	50.4	8.697E-1	8.769E-1	0.831	±30	Average RF
Vinyl Chloride	50.0	50.3	9.03E-1	9.092E-1	0.692	±30	Average RF
cis-1,2-Dichloroethene	50.0	49.2	6.195E-1	6.09E-1	-1.695	±30	Average RF
cis-1,3-Dichloropropene	50.0	50.7	6.408E-1	6.496E-1	1.38	±30	Average RF
m,p-Xylenes	100	97.9	7.593E-1	7.436E-1	-2.066	±30	Average RF
n-Butylbenzene	50.0	52.5	3.144E0	3.301E0	5.00	±30	Average RF
n-Propylbenzene	50.0	49.8	4.433E0	4.412E0	-0.485	±30	Average RF
o-Xylene	50.0	48.8	7.39E-1	7.216E-1	-2.354	±30	Average RF
sec-Butylbenzene	50.0	49.9	3.871E0	3.863E0	-0.214	±30	Average RF
tert-Butylbenzene	50.0	48.1	2.555E0	2.46E0	-3.712	±30	Average RF
trans-1,2-Dichloroethene	50.0	48.7	5.615E-1	5.465E-1	-2.660	±30	Average RF
trans-1,3-Dichloropropene	50.0	51.0	5.918E-1	6.041E-1	2.07	±30	Average RF

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
4-Bromofluorobenzene	50.0	51.6	5.245E-1	5.411E-1	3.15	±30	Average RF
Dibromofluoromethane	50.0	51.3	3.275E-1	3.361E-1	2.61	±30	Average RF
Toluene-d8	50.0	51.1	1.356E0	1.384E0	2.13	±30	Average RF

ALS Group USA, Corp.
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QA/QC Report

Client: Day Environmental, Inc. **Service Request:** R1903959
Project: 32 York St **Calibration Date:** 5/1/2019

Initial Calibration Verification Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC1900051 **Signal ID:** 1
Instrument ID: R-MS-12

#	Lab Code	Sample Name	File Location	Acquisition Date
10	RC1900051-10	ICV50	I:\ACQUDATA\msvoa12\Data\050119\P26245.D	05/01/2019 17:31

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
1,1,1-Trichloroethane (TCA)	50.0	51.5	7.372E-1	7.595E-1	3.02	±30	Average RF
1,1,2,2-Tetrachloroethane	50.0	44.5	9.503E-1	8.463E-1	-10.943	±30	Average RF
1,1,2-Trichloroethane	50.0	47.7	3.512E-1	3.35E-1	-4.615	±30	Average RF
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	52.7	3.681E-1	3.883E-1	5.48	±30	Average RF
1,1-Dichloroethane (1,1-DCA)	50.0	51.5	7.453E-1	7.683E-1	3.09	±30	Average RF
1,1-Dichloroethene (1,1-DCE)	50.0	50.0	4.13E-1	4.127E-1	-0.076	±30	Average RF
1,2,3-Trichlorobenzene	50.0	48.8	1.49E0	1.455E0	-2.354	±30	Average RF
1,2,4-Trichlorobenzene	50.0	50.9	1.406E0	1.432E0	1.88	±30	Average RF
1,2,4-Trimethylbenzene	50.0	48.5	2.627E0	2.549E0	-2.962	±30	Average RF
1,2-Dibromo-3-chloropropane (DBCP)	50.0	45.4	3.37E-1	3.062E-1	-9.138	±30	Average RF
1,2-Dibromoethane	50.0	48.9	4.036E-1	3.947E-1	-2.204	±30	Average RF
1,2-Dichlorobenzene	50.0	47.9	1.687E0	1.617E0	-4.159	±30	Average RF
1,2-Dichloroethane	50.0	48.4	4.593E-1	4.449E-1	-3.129	±30	Average RF
1,2-Dichloropropane	50.0	49.0	3.112E-1	3.049E-1	-2.032	±30	Average RF
1,3,5-Trimethylbenzene	50.0	48.5	2.642E0	2.563E0	-2.981	±30	Average RF
1,3-Dichlorobenzene	50.0	48.7	1.693E0	1.648E0	-2.684	±30	Average RF
1,4-Dichlorobenzene	50.0	47.8	1.732E0	1.655E0	-4.483	±30	Average RF
1,4-Dioxane	1000	929	8.465E-3	7.861E-3	-7.143	±30	Average RF
2-Butanone (MEK)	50.0	57.0	2.751E-1	3.133E-1	13.91	±30	Average RF
2-Hexanone	50.0	49.6	3.361E-1	3.335E-1	-0.762	±30	Average RF
4-Isopropyltoluene	50.0	49.5	2.938E0	2.908E0	-1.021	±30	Average RF
4-Methyl-2-pentanone	50.0	51.4	3.874E-1	3.985E-1	2.85	±30	Average RF
Acetone	50.0	61.9	1.988E-1	2.431E-1	23.79	±30	Quadratic
Benzene	50.0	49.2	1.296E0	1.275E0	-1.584	±30	Average RF
Bromochloromethane	50.0	50.3	3.608E-1	3.632E-1	0.647	±30	Average RF
Bromodichloromethane	50.0	49.2	4.312E-1	4.24E-1	-1.665	±30	Average RF
Bromoform	50.0	46.7	5.799E-1	5.417E-1	-6.583	±30	Average RF
Bromomethane	50.0	52.8	5.25E-1	5.089E-1	5.65	±30	Quadratic
Carbon Disulfide	50.0	55.6	1.002E0	1.113E0	11.14	±30	Average RF
Carbon Tetrachloride	50.0	52.5	4.357E-1	4.576E-1	5.02	±30	Average RF
Chlorobenzene	50.0	50.2	1.099E0	1.103E0	0.384	±30	Average RF
Chloroethane	50.0	44.8	4.138E-1	3.711E-1	-10.305	±30	Average RF
Chloroform	50.0	49.9	7.911E-1	7.891E-1	-0.254	±30	Average RF

Client: Day Environmental, Inc. **Service Request:** R1903959
Project: 32 York St **Calibration Date:** 5/1/2019

Initial Calibration Verification Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC1900051 **Signal ID:** 1
Instrument ID: R-MS-12

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
Chloromethane	50.0	50.6	4.255E-1	4.305E-1	1.16	±30	Average RF
Cyclohexane	50.0	47.1	2.511E-1	2.363E-1	-5.858	±30	Average RF
Dibromochloromethane	50.0	47.8	4.382E-1	4.188E-1	-4.408	±30	Average RF
Dichlorodifluoromethane (CFC 12)	50.0	61.8	4.666E-1	5.768E-1	23.64	±30	Average RF
Dichloromethane	50.0	52.0	4.618E-1	4.461E-1	3.96	±30	Quadratic
Ethylbenzene	50.0	50.7	5.943E-1	6.028E-1	1.43	±30	Average RF
Isopropylbenzene (Cumene)	50.0	46.2	3.145E0	2.905E0	-7.636	±30	Average RF
Methyl Acetate	50.0	47.8	4.161E-1	3.976E-1	-4.462	±30	Average RF
Methyl tert-Butyl Ether	50.0	51.4	1.51E0	1.551E0	2.72	±30	Average RF
Methylcyclohexane	50.0	45.7	3.761E-1	3.437E-1	-8.592	±30	Average RF
Naphthalene	50.0	47.7	4.072E0	3.886E0	-4.575	±30	Average RF
Styrene	50.0	54.5	1.164E0	1.268E0	8.93	±30	Average RF
Tetrachloroethene (PCE)	50.0	51.1	3.595E-1	3.673E-1	2.16	±30	Average RF
Toluene	50.0	50.5	1.465E0	1.48E0	1.00	±30	Average RF
Trichloroethene (TCE)	50.0	49.1	4.026E-1	3.954E-1	-1.801	±30	Average RF
Trichlorofluoromethane (CFC 11)	50.0	52.8	6.535E-1	6.903E-1	5.62	±30	Average RF
Vinyl Chloride	50.0	53.3	5.197E-1	5.542E-1	6.63	±30	Average RF
cis-1,2-Dichloroethene	50.0	49.3	5.291E-1	5.212E-1	-1.491	±30	Average RF
cis-1,3-Dichloropropene	50.0	49.7	5.564E-1	5.53E-1	-0.614	±30	Average RF
m,p-Xylenes	100	103	7.358E-1	7.612E-1	3.46	±30	Average RF
n-Butylbenzene	50.0	48.1	2.444E0	2.353E0	-3.721	±30	Average RF
n-Propylbenzene	50.0	47.6	3.41E0	3.249E0	-4.733	±30	Average RF
o-Xylene	50.0	52.0	7.45E-1	7.746E-1	3.98	±30	Average RF
sec-Butylbenzene	50.0	47.2	3.378E0	3.188E0	-5.599	±30	Average RF
tert-Butylbenzene	50.0	48.9	2.413E0	2.358E0	-2.279	±30	Average RF
trans-1,2-Dichloroethene	50.0	50.5	4.525E-1	4.574E-1	1.08	±30	Average RF
trans-1,3-Dichloropropene	50.0	52.7	4.93E-1	5.195E-1	5.36	±30	Average RF

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
4-Bromofluorobenzene	50.0	52.9	4.664E-1	4.933E-1	5.77	±30	Average RF
Dibromofluoromethane	50.0	49.9	2.875E-1	2.87E-1	-0.158	±30	Average RF
Toluene-d8	50.0	50.7	1.193E0	1.211E0	1.47	±30	Average RF

Client: Day Environmental, Inc. **Service Request:** R1903959
Project: 32 York St/5598S-19 **Date Analyzed:** 05/06/19 11:32

Continuing Calibration Verification (CCV) Summary
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C **Calibration Date:** 5/1/2019
File ID: I:\ACQUDATA\msvoa12\Data\050619\P26402.D\ **Calibration ID:** RC1900051
Signal ID: 1 **Analysis Lot:** 634409
Units: ppb

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
1,1,1-Trichloroethane (TCA)	50.0	43.9	0.7372	0.6472	-12.2	NA	±20	Average RF
1,1,2,2-Tetrachloroethane	50.0	38.9	0.9503	0.7401	-22.1*	NA	±20	Average RF
1,1,2-Trichloroethane	50.0	45.1	0.3512	0.3171	-9.7	NA	±20	Average RF
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	47.3	0.3681	0.3481	-5.4	NA	±20	Average RF
1,1-Dichloroethane (1,1-DCA)	50.0	45.8	0.7453	0.6819	-8.5	NA	±20	Average RF
1,1-Dichloroethene (1,1-DCE)	50.0	42.8	0.413	0.3535	-14.4	NA	±20	Average RF
1,2,3-Trichlorobenzene	50.0	45.5	1.4902	1.3555	-9.0	NA	±20	Average RF
1,2,4-Trichlorobenzene	50.0	46.2	1.406	1.2991	-7.6	NA	±20	Average RF
1,2,4-Trimethylbenzene	50.0	44.9	2.6271	2.3592	-10.2	NA	±20	Average RF
1,2-Dibromo-3-chloropropane (DBCP)	50.0	40.8	0.337	0.2753	-18.3	NA	±20	Average RF
1,2-Dibromoethane	50.0	46.7	0.4036	0.3768	-6.7	NA	±20	Average RF
1,2-Dichlorobenzene	50.0	45.6	1.6868	1.5392	-8.7	NA	±20	Average RF
1,2-Dichloroethane	50.0	46.0	0.4593	0.4221	-8.1	NA	±20	Average RF
1,2-Dichloropropane	50.0	44.4	0.3112	0.2763	-11.2	NA	±20	Average RF
1,3,5-Trimethylbenzene	50.0	43.7	2.6417	2.3106	-12.5	NA	±20	Average RF
1,3-Dichlorobenzene	50.0	45.8	1.6934	1.5528	-8.3	NA	±20	Average RF
1,4-Dichlorobenzene	50.0	45.8	1.7322	1.5883	-8.3	NA	±20	Average RF
1,4-Dioxane	1000	824	0.0085	0.007	-17.6	NA	±20	Average RF
2-Butanone (MEK)	50.0	41.3	0.2751	0.2274	-17.3	NA	±20	Average RF
2-Hexanone	50.0	39.9	0.3361	0.268	-20.2	NA	±20	Average RF
4-Isopropyltoluene	50.0	44.2	2.9378	2.5946	-11.7	NA	±20	Average RF
4-Methyl-2-pentanone	50.0	42.0	0.3874	0.3258	-15.9	NA	±20	Average RF
Acetone	50.0	35.1	0.1988	0.1455	NA	-29.7*	±20	Quadratic
Benzene	50.0	44.1	1.2957	1.1433	-11.8	NA	±20	Average RF
Bromochloromethane	50.0	48.5	0.3608	0.3501	-3.0	NA	±20	Average RF
Bromodichloromethane	50.0	45.0	0.4312	0.3882	-10.0	NA	±20	Average RF
Bromoform	50.0	38.6	0.5799	0.4479	-22.8*	NA	±20	Average RF
Bromomethane	50.0	41.3	0.525	0.4061	NA	-17.4	±20	Quadratic
Carbon Disulfide	50.0	45.9	1.0015	0.9191	-8.2	NA	±20	Average RF
Carbon Tetrachloride	50.0	44.3	0.4357	0.3863	-11.3	NA	±20	Average RF
Chlorobenzene	50.0	44.8	1.0992	0.984	-10.5	NA	±20	Average RF
Chloroethane	50.0	45.7	0.4138	0.3782	-8.6	NA	±20	Average RF
Chloroform	50.0	45.0	0.7911	0.7121	-10.0	NA	±20	Average RF
Chloromethane	50.0	47.6	0.4255	0.4053	-4.8	NA	±20	Average RF
Cyclohexane	50.0	44.8	0.2511	0.2248	-10.5	NA	±20	Average RF
Dibromochloromethane	50.0	43.6	0.4382	0.3816	-12.9	NA	±20	Average RF
Dichlorodifluoromethane (CFC 12)	50.0	59.6	0.4666	0.556	19.2	NA	±20	Average RF
Dichloromethane	50.0	47.5	0.4618	0.4094	NA	-5.0	±20	Quadratic
Ethylbenzene	50.0	44.0	0.5943	0.523	-12.0	NA	±20	Average RF

Client: Day Environmental, Inc. **Service Request:** R1903959
Project: 32 York St/5598S-19 **Date Analyzed:** 05/06/19 11:32

Continuing Calibration Verification (CCV) Summary
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C **Calibration Date:** 5/1/2019
File ID: I:\ACQUDATA\msvoa12\Data\050619\P26402.D\ **Calibration ID:** RC1900051
Signal ID: 1 **Analysis Lot:** 634409
Units: ppb

Isopropylbenzene (Cumene)	50.0	39.9	3.1447	2.5097	-20.2	NA	±20	Average RF
Methyl Acetate	50.0	43.9	0.4161	0.3652	-12.2	NA	±20	Average RF
Methyl tert-Butyl Ether	50.0	46.7	1.51	1.411	-6.6	NA	±20	Average RF
Methylcyclohexane	50.0	43.4	0.3761	0.3261	-13.3	NA	±20	Average RF
Naphthalene	50.0	45.9	4.0724	3.7356	-8.3	NA	±20	Average RF
Styrene	50.0	48.3	1.1643	1.1241	-3.5	NA	±20	Average RF
Tetrachloroethene (PCE)	50.0	43.2	0.3595	0.3105	-13.6	NA	±20	Average RF
Toluene	50.0	44.9	1.4654	1.3147	-10.3	NA	±20	Average RF
Trichloroethene (TCE)	50.0	43.6	0.4026	0.3514	-12.7	NA	±20	Average RF
Trichlorofluoromethane (CFC 11)	50.0	47.9	0.6535	0.6254	-4.3	NA	±20	Average RF
Vinyl Chloride	50.0	46.9	0.5197	0.4873	-6.2	NA	±20	Average RF
cis-1,2-Dichloroethene	50.0	44.8	0.5291	0.4742	-10.4	NA	±20	Average RF
cis-1,3-Dichloropropene	50.0	44.0	0.5564	0.4896	-12.0	NA	±20	Average RF
m,p-Xylenes	100	91.0	0.7358	0.6695	-9.0	NA	±20	Average RF
n-Butylbenzene	50.0	42.0	2.4442	2.0523	-16.0	NA	±20	Average RF
n-Propylbenzene	50.0	41.6	3.4099	2.8397	-16.7	NA	±20	Average RF
o-Xylene	50.0	44.9	0.745	0.6683	-10.3	NA	±20	Average RF
sec-Butylbenzene	50.0	41.8	3.3776	2.8238	-16.4	NA	±20	Average RF
tert-Butylbenzene	50.0	43.6	2.4134	2.104	-12.8	NA	±20	Average RF
trans-1,2-Dichloroethene	50.0	45.1	0.4525	0.4085	-9.7	NA	±20	Average RF
trans-1,3-Dichloropropene	50.0	47.6	0.493	0.4691	-4.9	NA	±20	Average RF

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
4-Bromofluorobenzene	50.0	52.8	0.4664	0.4929	5.7	NA	±20	Average RF
Dibromofluoromethane	50.0	51.4	0.2875	0.2957	2.9	NA	±20	Average RF
Toluene-d8	50.0	51.3	1.1934	1.2251	2.7	NA	±20	Average RF

Client: Day Environmental, Inc. **Service Request:** R1903959
Project: 32 York St/5598S-19 **Date Analyzed:** 05/04/19 16:31

Continuing Calibration Verification (CCV) Summary
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C **Calibration Date:** 4/19/2019
File ID: I:\ACQUDATA\MSVOA14\Data\050419\F6458.D\ **Calibration ID:** RC1900043
Signal ID: 1 **Analysis Lot:** 634334
Units: ug/L

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
1,1,1-Trichloroethane (TCA)	50.0	47.4	0.6962	0.6594	-5.3	NA	±20	Average RF
1,1,2,2-Tetrachloroethane	50.0	48.4	0.781	0.7564	-3.2	NA	±20	Average RF
1,1,2-Trichloroethane	50.0	49.5	0.2941	0.291	-1.0	NA	±20	Average RF
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	46.0	0.4322	0.3975	-8.0	NA	±20	Average RF
1,1-Dichloroethane (1,1-DCA)	50.0	50.8	0.8853	0.8991	1.6	NA	±20	Average RF
1,1-Dichloroethene (1,1-DCE)	50.0	46.0	0.4287	0.3944	-8.0	NA	±20	Average RF
1,2,3-Trichlorobenzene	50.0	52.6	0.762	0.8567	NA	5.3	±20	Quadratic
1,2,4-Trichlorobenzene	50.0	52.6	0.9161	1.0313	NA	5.2	±20	Quadratic
1,2,4-Trimethylbenzene	50.0	51.3	2.6784	2.7465	2.5	NA	±20	Average RF
1,2-Dibromo-3-chloropropane (DBCP)	50.0	50.2	0.1422	0.1426	0.3	NA	±20	Average RF
1,2-Dibromoethane	50.0	48.9	0.3375	0.3298	-2.3	NA	±20	Average RF
1,2-Dichlorobenzene	50.0	50.5	1.532	1.5459	0.9	NA	±20	Average RF
1,2-Dichloroethane	50.0	49.1	0.4391	0.431	-1.8	NA	±20	Average RF
1,2-Dichloropropane	50.0	53.0	0.3355	0.3555	6.0	NA	±20	Average RF
1,3,5-Trimethylbenzene	50.0	51.3	2.6611	2.7309	2.6	NA	±20	Average RF
1,3-Dichlorobenzene	50.0	49.4	1.6184	1.5975	-1.3	NA	±20	Average RF
1,4-Dichlorobenzene	50.0	49.2	1.6396	1.6128	-1.6	NA	±20	Average RF
1,4-Dioxane	1000	956	0.0047	0.0045	-4.4	NA	±20	Average RF
2-Butanone (MEK)	50.0	47.4	0.2647	0.2508	-5.3	NA	±20	Average RF
2-Hexanone	50.0	49.7	0.2638	0.2624	-0.5	NA	±20	Average RF
4-Isopropyltoluene	50.0	50.6	2.9497	2.9855	1.2	NA	±20	Average RF
4-Methyl-2-pentanone	50.0	48.9	0.3145	0.3075	-2.2	NA	±20	Average RF
Acetone	50.0	48.2	0.1946	0.1877	-3.5	NA	±20	Average RF
Benzene	50.0	49.6	1.2554	1.2462	-0.7	NA	±20	Average RF
Bromochloromethane	50.0	49.9	0.3336	0.3327	-0.3	NA	±20	Average RF
Bromodichloromethane	50.0	50.2	0.3952	0.3966	0.4	NA	±20	Average RF
Bromoform	50.0	49.4	0.1857	0.1836	-1.2	NA	±20	Average RF
Bromomethane	50.0	39.1	0.3725	0.2557	NA	-21.9*	±20	Quadratic
Carbon Disulfide	50.0	48.6	1.2948	1.2593	-2.7	NA	±20	Average RF
Carbon Tetrachloride	50.0	47.7	0.1081	0.1031	-4.6	NA	±20	Average RF
Chlorobenzene	50.0	50.0	1.0101	1.011	0.1	NA	±20	Average RF
Chloroethane	50.0	41.5	0.3502	0.2909	-16.9	NA	±20	Average RF
Chloroform	50.0	49.0	0.8562	0.8393	-2.0	NA	±20	Average RF
Chloromethane	50.0	49.2	0.6387	0.6286	-1.6	NA	±20	Average RF
Cyclohexane	50.0	52.2	0.2996	0.3127	4.4	NA	±20	Average RF
Dibromochloromethane	50.0	50.5	0.318	0.3211	1.0	NA	±20	Average RF
Dichlorodifluoromethane (CFC 12)	50.0	41.3	0.6377	0.5267	-17.4	NA	±20	Average RF
Dichloromethane	50.0	51.9	0.5453	0.5116	NA	3.7	±20	Quadratic
Ethylbenzene	50.0	50.5	0.5334	0.5388	1.0	NA	±20	Average RF

Client: Day Environmental, Inc. **Service Request:** R1903959
Project: 32 York St/5598S-19 **Date Analyzed:** 05/04/19 16:31

Continuing Calibration Verification (CCV) Summary
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C **Calibration Date:** 4/19/2019
File ID: I:\ACQUDATA\MSVOA14\Data\050419\F6458.D\ **Calibration ID:** RC1900043
Signal ID: 1 **Analysis Lot:** 634334
Units: ug/L

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
Isopropylbenzene (Cumene)	50.0	50.2	1.681	1.6884	0.4	NA	±20	Average RF
Methyl Acetate	50.0	49.6	0.383	0.3795	-0.9	NA	±20	Average RF
Methyl tert-Butyl Ether	50.0	49.4	1.4647	1.4461	-1.3	NA	±20	Average RF
Methylcyclohexane	50.0	54.6	0.4275	0.4672	9.3	NA	±20	Average RF
Naphthalene	50.0	50.9	1.8562	2.089	NA	1.7	±20	Quadratic
Styrene	50.0	52.7	1.0701	1.1277	5.4	NA	±20	Average RF
Tetrachloroethene (PCE)	50.0	47.8	0.2997	0.2867	-4.3	NA	±20	Average RF
Toluene	50.0	49.6	1.3634	1.3525	-0.8	NA	±20	Average RF
Trichloroethene (TCE)	50.0	48.2	0.3527	0.3399	-3.6	NA	±20	Average RF
Trichlorofluoromethane (CFC 11)	50.0	42.4	0.6969	0.5907	-15.2	NA	±20	Average RF
Vinyl Chloride	50.0	44.6	0.6011	0.5365	-10.8	NA	±20	Average RF
cis-1,2-Dichloroethene	50.0	49.3	0.5404	0.5325	-1.5	NA	±20	Average RF
cis-1,3-Dichloropropene	50.0	52.0	0.5175	0.5383	4.0	NA	±20	Average RF
m,p-Xylenes	100	102	0.6562	0.6688	1.9	NA	±20	Average RF
n-Butylbenzene	50.0	50.7	2.75	2.7886	1.4	NA	±20	Average RF
n-Propylbenzene	50.0	50.3	3.8175	3.8427	0.7	NA	±20	Average RF
o-Xylene	50.0	51.1	0.6445	0.6589	2.2	NA	±20	Average RF
sec-Butylbenzene	50.0	49.8	3.5799	3.5676	-0.3	NA	±20	Average RF
tert-Butylbenzene	50.0	49.5	2.3523	2.3296	-1.0	NA	±20	Average RF
trans-1,2-Dichloroethene	50.0	48.6	0.4767	0.4634	-2.8	NA	±20	Average RF
trans-1,3-Dichloropropene	50.0	51.4	0.445	0.4575	2.8	NA	±20	Average RF

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
4-Bromofluorobenzene	50.0	45.8	0.4852	0.4447	-8.3	NA	±20	Average RF
Dibromofluoromethane	50.0	47.1	0.297	0.2797	-5.8	NA	±20	Average RF
Toluene-d8	50.0	46.6	1.2129	1.1301	-6.8	NA	±20	Average RF

Client: Day Environmental, Inc. **Service Request:** R1903959
Project: 32 York St/5598S-19 **Date Analyzed:** 05/08/19 14:57

Continuing Calibration Verification (CCV) Summary
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C **Calibration Date:** 3/26/2019
File ID: I:\ACQUDATA\MSVOA14\Data\050819\F6509.D\ **Calibration ID:** RC1900035
Signal ID: 1 **Analysis Lot:** 634784
Units: ug/L

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
1,1,1-Trichloroethane (TCA)	50.0	50.0	0.6642	0.6643	0.0	NA	±20	Average RF
1,1,2,2-Tetrachloroethane	50.0	45.4	1.0519	0.9542	-9.3	NA	±20	Average RF
1,1,2-Trichloroethane	50.0	45.7	0.3557	0.3248	-8.7	NA	±20	Average RF
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	50.2	0.3786	0.3798	0.3	NA	±20	Average RF
1,1-Dichloroethane (1,1-DCA)	50.0	53.2	0.8587	0.9145	6.5	NA	±20	Average RF
1,1-Dichloroethene (1,1-DCE)	50.0	49.8	0.4176	0.4158	-0.5	NA	±20	Average RF
1,2,3-Trichlorobenzene	50.0	42.0	0.9954	0.8924	NA	-16.0	±20	Quadratic
1,2,4-Trichlorobenzene	50.0	43.9	1.0291	0.9542	NA	-12.2	±20	Quadratic
1,2,4-Trimethylbenzene	50.0	49.3	2.4908	2.4568	-1.4	NA	±20	Average RF
1,2-Dibromo-3-chloropropane (DBCP)	50.0	40.1	0.25	0.2002	NA	-19.8	±20	Quadratic
1,2-Dibromoethane	50.0	45.5	0.4107	0.3735	-9.1	NA	±20	Average RF
1,2-Dichlorobenzene	50.0	46.0	1.5955	1.4679	-8.0	NA	±20	Average RF
1,2-Dichloroethane	50.0	49.9	0.4682	0.467	-0.3	NA	±20	Average RF
1,2-Dichloropropane	50.0	51.1	0.3582	0.3661	2.2	NA	±20	Average RF
1,3,5-Trimethylbenzene	50.0	49.0	2.4605	2.4115	-2.0	NA	±20	Average RF
1,3-Dichlorobenzene	50.0	46.4	1.5713	1.4569	-7.3	NA	±20	Average RF
1,4-Dichlorobenzene	50.0	44.5	1.6509	1.4687	-11.0	NA	±20	Average RF
1,4-Dioxane	1000	721	0.0077	0.0056	-27.9*	NA	±20	Average RF
2-Butanone (MEK)	50.0	42.5	0.3632	0.3089	-14.9	NA	±20	Average RF
2-Hexanone	50.0	43.3	0.3642	0.3151	-13.5	NA	±20	Average RF
4-Isopropyltoluene	50.0	48.5	2.5893	2.5104	-3.0	NA	±20	Average RF
4-Methyl-2-pentanone	50.0	42.8	0.432	0.3693	-14.5	NA	±20	Average RF
Acetone	50.0	46.1	0.2444	0.2252	-7.8	NA	±20	Average RF
Benzene	50.0	48.9	1.3196	1.29	-2.2	NA	±20	Average RF
Bromochloromethane	50.0	46.3	0.3708	0.3434	-7.4	NA	±20	Average RF
Bromodichloromethane	50.0	51.1	0.4165	0.4257	2.2	NA	±20	Average RF
Bromoform	50.0	45.9	0.2479	0.224	NA	-8.2	±20	Quadratic
Bromomethane	50.0	45.2	0.406	0.3032	NA	-9.5	±20	Quadratic
Carbon Disulfide	50.0	51.2	1.1055	1.1314	2.3	NA	±20	Average RF
Carbon Tetrachloride	50.0	48.1	0.3539	0.3403	-3.8	NA	±20	Average RF
Chlorobenzene	50.0	45.8	1.0596	0.9707	-8.4	NA	±20	Average RF
Chloroethane	50.0	46.2	0.3468	0.3205	-7.6	NA	±20	Average RF
Chloroform	50.0	50.0	0.8478	0.8486	0.1	NA	±20	Average RF
Chloromethane	50.0	55.2	0.6557	0.7242	10.5	NA	±20	Average RF
Cyclohexane	50.0	52.4	0.2528	0.2647	4.7	NA	±20	Average RF
Dibromochloromethane	50.0	47.7	0.3748	0.3579	-4.5	NA	±20	Average RF
Dichlorodifluoromethane (CFC 12)	50.0	58.3	0.5855	0.6831	16.7	NA	±20	Average RF
Dichloromethane	50.0	49.0	0.5324	0.5214	-2.1	NA	±20	Average RF
Ethylbenzene	50.0	47.2	0.5385	0.5084	-5.6	NA	±20	Average RF

Client: Day Environmental, Inc. **Service Request:** R1903959
Project: 32 York St/5598S-19 **Date Analyzed:** 05/08/19 14:57

Continuing Calibration Verification (CCV) Summary
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C **Calibration Date:** 3/26/2019
File ID: I:\ACQUDATA\MSVOA14\Data\050819\F6509.D\ **Calibration ID:** RC1900035
Signal ID: 1 **Analysis Lot:** 634784
Units: ug/L

Isopropylbenzene (Cumene)	50.0	47.2	1.6277	1.5364	-5.6	NA	±20	Average RF
Methyl Acetate	50.0	46.9	0.5081	0.4766	-6.2	NA	±20	Average RF
Methyl tert-Butyl Ether	50.0	49.5	1.5899	1.5727	-1.1	NA	±20	Average RF
Methylcyclohexane	50.0	52.7	0.3524	0.3711	5.3	NA	±20	Average RF
Naphthalene	50.0	41.3	3.0169	2.7302	NA	-17.4	±20	Quadratic
Styrene	50.0	48.3	1.1183	1.0809	-3.3	NA	±20	Average RF
Tetrachloroethene (PCE)	50.0	42.3	0.3247	0.275	-15.3	NA	±20	Average RF
Toluene	50.0	47.4	1.4101	1.3381	-5.1	NA	±20	Average RF
Trichloroethene (TCE)	50.0	45.1	0.3601	0.3249	-9.8	NA	±20	Average RF
Trichlorofluoromethane (CFC 11)	50.0	44.6	0.6624	0.591	-10.8	NA	±20	Average RF
Vinyl Chloride	50.0	52.5	0.5915	0.6213	5.0	NA	±20	Average RF
cis-1,2-Dichloroethene	50.0	49.6	0.5394	0.5349	-0.8	NA	±20	Average RF
cis-1,3-Dichloropropene	50.0	51.9	0.5496	0.5707	3.9	NA	±20	Average RF
m,p-Xylenes	100	94.4	0.6662	0.6288	-5.6	NA	±20	Average RF
n-Butylbenzene	50.0	50.0	2.2809	2.2818	0.0	NA	±20	Average RF
n-Propylbenzene	50.0	50.3	3.4291	3.4471	0.5	NA	±20	Average RF
o-Xylene	50.0	47.3	0.6591	0.6232	-5.5	NA	±20	Average RF
sec-Butylbenzene	50.0	49.4	3.0438	3.0072	-1.2	NA	±20	Average RF
tert-Butylbenzene	50.0	47.5	2.1305	2.0245	-5.0	NA	±20	Average RF
trans-1,2-Dichloroethene	50.0	49.7	0.4678	0.4647	-0.7	NA	±20	Average RF
trans-1,3-Dichloropropene	50.0	50.9	0.4877	0.4969	1.9	NA	±20	Average RF

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
4-Bromofluorobenzene	50.0	45.3	0.515	0.4665	-9.4	NA	±20	Average RF
Dibromofluoromethane	50.0	46.1	0.3332	0.3073	-7.8	NA	±20	Average RF
Toluene-d8	50.0	45.7	1.3299	1.2158	-8.6	NA	±20	Average RF

Client: Day Environmental, Inc. **Service Request:** R1903959
Project: 32 York St/5598S-19 **Date Analyzed:** 05/08/19 10:05

Continuing Calibration Verification (CCV) Summary
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C **Calibration Date:** 4/30/2019
File ID: I:\ACQUDATA\msvoa10\data\050819\E0943.D\ **Calibration ID:** RC1900049
Signal ID: 1 **Analysis Lot:** 634768
Units: ug/L

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
1,1,1-Trichloroethane (TCA)	50.0	48.9	0.8774	0.8582	-2.2	NA	±20	Average RF
1,1,2,2-Tetrachloroethane	50.0	50.5	1.1244	1.1349	0.9	NA	±20	Average RF
1,1,2-Trichloroethane	50.0	48.2	0.3599	0.3471	-3.6	NA	±20	Average RF
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	53.6	0.4846	0.5192	7.1	NA	±20	Average RF
1,1-Dichloroethane (1,1-DCA)	50.0	52.5	1.1886	1.2486	5.1	NA	±20	Average RF
1,1-Dichloroethene (1,1-DCE)	50.0	50.5	0.5319	0.5375	1.1	NA	±20	Average RF
1,2,3-Trichlorobenzene	50.0	50.9	1.2135	1.2359	1.9	NA	±20	Average RF
1,2,4-Trichlorobenzene	50.0	50.7	1.2581	1.2751	1.4	NA	±20	Average RF
1,2,4-Trimethylbenzene	50.0	49.3	3.0136	2.9689	-1.5	NA	±20	Average RF
1,2-Dibromo-3-chloropropane (DBCP)	50.0	50.7	0.2406	0.2437	1.3	NA	±20	Average RF
1,2-Dibromoethane	50.0	51.0	0.4042	0.4124	2.1	NA	±20	Average RF
1,2-Dichlorobenzene	50.0	48.4	1.6943	1.6386	-3.3	NA	±20	Average RF
1,2-Dichloroethane	50.0	47.3	0.6135	0.5803	-5.4	NA	±20	Average RF
1,2-Dichloropropane	50.0	51.9	0.4274	0.4435	3.8	NA	±20	Average RF
1,3,5-Trimethylbenzene	50.0	48.9	3.0246	2.9554	-2.3	NA	±20	Average RF
1,3-Dichlorobenzene	50.0	48.3	1.7121	1.6541	-3.4	NA	±20	Average RF
1,4-Dichlorobenzene	50.0	47.8	1.761	1.6837	-4.4	NA	±20	Average RF
1,4-Dioxane	1000	1060	0.007	0.0075	6.1	NA	±20	Average RF
2-Butanone (MEK)	50.0	55.6	0.4546	0.5059	11.3	NA	±20	Average RF
2-Hexanone	50.0	55.0	0.4832	0.5314	10.0	NA	±20	Average RF
4-Isopropyltoluene	50.0	49.9	3.1576	3.151	-0.2	NA	±20	Average RF
4-Methyl-2-pentanone	50.0	54.5	0.5485	0.5973	8.9	NA	±20	Average RF
Acetone	50.0	53.2	0.3557	0.3785	6.4	NA	±20	Average RF
Benzene	50.0	51.9	1.5369	1.5949	3.8	NA	±20	Average RF
Bromochloromethane	50.0	51.0	0.3646	0.3721	2.0	NA	±20	Average RF
Bromodichloromethane	50.0	49.7	0.4823	0.4791	-0.7	NA	±20	Average RF
Bromoform	50.0	48.6	0.263	0.2581	NA	-2.9	±20	Quadratic
Bromomethane	50.0	40.7	0.7335	0.5075	NA	-18.7	±20	Quadratic
Carbon Disulfide	50.0	47.8	1.5933	1.5234	-4.4	NA	±20	Average RF
Carbon Tetrachloride	50.0	49.0	0.4411	0.4318	-2.1	NA	±20	Average RF
Chlorobenzene	50.0	48.6	1.1275	1.096	-2.8	NA	±20	Average RF
Chloroethane	50.0	49.4	0.5465	0.5395	-1.3	NA	±20	Average RF
Chloroform	50.0	49.6	1.0493	1.0412	-0.8	NA	±20	Average RF
Chloromethane	50.0	59.6	0.9777	1.1651	19.2	NA	±20	Average RF
Cyclohexane	50.0	49.3	0.4474	0.4411	-1.4	NA	±20	Average RF
Dibromochloromethane	50.0	48.4	0.394	0.3813	-3.2	NA	±20	Average RF
Dichlorodifluoromethane (CFC 12)	50.0	69.0	0.715	0.9862	37.9*	NA	±20	Average RF
Dichloromethane	50.0	49.0	0.6279	0.6149	-2.1	NA	±20	Average RF
Ethylbenzene	50.0	50.7	0.5905	0.599	1.4	NA	±20	Average RF

Client: Day Environmental, Inc. **Service Request:** R1903959
Project: 32 York St/5598S-19 **Date Analyzed:** 05/08/19 10:05

Continuing Calibration Verification (CCV) Summary
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C **Calibration Date:** 4/30/2019
File ID: I:\ACQUDATA\msvoa10\data\050819\E0943.D\ **Calibration ID:** RC1900049
Signal ID: 1 **Analysis Lot:** 634768
Units: ug/L

Isopropylbenzene (Cumene)	50.0	49.6	1.9149	1.8993	-0.8	NA	±20	Average RF
Methyl Acetate	50.0	53.1	0.7428	0.7891	6.2	NA	±20	Average RF
Methyl tert-Butyl Ether	50.0	49.6	2.0236	2.0054	-0.9	NA	±20	Average RF
Methylcyclohexane	50.0	50.4	0.5373	0.5415	0.8	NA	±20	Average RF
Naphthalene	50.0	53.3	3.3306	3.5527	6.7	NA	±20	Average RF
Styrene	50.0	50.9	1.2339	1.2563	1.8	NA	±20	Average RF
Tetrachloroethene (PCE)	50.0	49.8	0.3211	0.3198	-0.4	NA	±20	Average RF
Toluene	50.0	50.2	1.6165	1.6244	0.5	NA	±20	Average RF
Trichloroethene (TCE)	50.0	48.8	0.3821	0.3731	-2.4	NA	±20	Average RF
Trichlorofluoromethane (CFC 11)	50.0	53.4	0.8697	0.9288	6.8	NA	±20	Average RF
Vinyl Chloride	50.0	57.5	0.903	1.0382	15.0	NA	±20	Average RF
cis-1,2-Dichloroethene	50.0	50.4	0.6195	0.6247	0.8	NA	±20	Average RF
cis-1,3-Dichloropropene	50.0	51.9	0.6408	0.6653	3.8	NA	±20	Average RF
m,p-Xylenes	100	98.1	0.7593	0.7446	-1.9	NA	±20	Average RF
n-Butylbenzene	50.0	51.0	3.1443	3.2046	1.9	NA	±20	Average RF
n-Propylbenzene	50.0	50.0	4.4335	4.4337	0.0	NA	±20	Average RF
o-Xylene	50.0	48.6	0.739	0.7182	-2.8	NA	±20	Average RF
sec-Butylbenzene	50.0	50.2	3.8713	3.8871	0.4	NA	±20	Average RF
tert-Butylbenzene	50.0	49.4	2.5553	2.5251	-1.2	NA	±20	Average RF
trans-1,2-Dichloroethene	50.0	51.3	0.5615	0.5758	2.6	NA	±20	Average RF
trans-1,3-Dichloropropene	50.0	50.7	0.5918	0.5999	1.4	NA	±20	Average RF

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
4-Bromofluorobenzene	50.0	47.0	0.5245	0.4926	-6.1	NA	±20	Average RF
Dibromofluoromethane	50.0	48.9	0.3275	0.3206	-2.1	NA	±20	Average RF
Toluene-d8	50.0	48.9	1.3556	1.3248	-2.3	NA	±20	Average RF

Client: Day Environmental, Inc. **Service Request:** R1903959
Project: 32 York St/5598S-19 **Date Analyzed:** 05/10/19 09:50

Continuing Calibration Verification (CCV) Summary
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C **Calibration Date:** 4/30/2019
File ID: I:\ACQUDATA\msvoa10\data\051019\E0973.D\ **Calibration ID:** RC1900049
Signal ID: 1 **Analysis Lot:** 635063
Units: ug/L

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
1,1,1-Trichloroethane (TCA)	50.0	49.4	0.8774	0.8674	-1.1	NA	±20	Average RF
1,1,2,2-Tetrachloroethane	50.0	50.8	1.1244	1.1423	1.6	NA	±20	Average RF
1,1,2-Trichloroethane	50.0	49.1	0.3599	0.3535	-1.8	NA	±20	Average RF
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	54.2	0.4846	0.5256	8.5	NA	±20	Average RF
1,1-Dichloroethane (1,1-DCA)	50.0	51.9	1.1886	1.234	3.8	NA	±20	Average RF
1,1-Dichloroethene (1,1-DCE)	50.0	52.0	0.5319	0.553	4.0	NA	±20	Average RF
1,2,3-Trichlorobenzene	50.0	51.0	1.2135	1.2379	2.0	NA	±20	Average RF
1,2,4-Trichlorobenzene	50.0	50.4	1.2581	1.268	0.8	NA	±20	Average RF
1,2,4-Trimethylbenzene	50.0	49.2	3.0136	2.9678	-1.5	NA	±20	Average RF
1,2-Dibromo-3-chloropropane (DBCP)	50.0	50.3	0.2406	0.2418	0.5	NA	±20	Average RF
1,2-Dibromoethane	50.0	51.2	0.4042	0.4141	2.5	NA	±20	Average RF
1,2-Dichlorobenzene	50.0	48.5	1.6943	1.6422	-3.1	NA	±20	Average RF
1,2-Dichloroethane	50.0	47.8	0.6135	0.5865	-4.4	NA	±20	Average RF
1,2-Dichloropropane	50.0	52.9	0.4274	0.4521	5.8	NA	±20	Average RF
1,3,5-Trimethylbenzene	50.0	48.9	3.0246	2.9549	-2.3	NA	±20	Average RF
1,3-Dichlorobenzene	50.0	48.3	1.7121	1.6537	-3.4	NA	±20	Average RF
1,4-Dichlorobenzene	50.0	47.6	1.761	1.6747	-4.9	NA	±20	Average RF
1,4-Dioxane	1000	1070	0.007	0.0076	7.5	NA	±20	Average RF
2-Butanone (MEK)	50.0	56.9	0.4546	0.517	13.7	NA	±20	Average RF
2-Hexanone	50.0	54.7	0.4832	0.5285	9.4	NA	±20	Average RF
4-Isopropyltoluene	50.0	49.7	3.1576	3.141	-0.5	NA	±20	Average RF
4-Methyl-2-pentanone	50.0	54.8	0.5485	0.6015	9.7	NA	±20	Average RF
Acetone	50.0	55.2	0.3557	0.393	10.5	NA	±20	Average RF
Benzene	50.0	52.6	1.5369	1.6153	5.1	NA	±20	Average RF
Bromochloromethane	50.0	50.2	0.3646	0.3664	0.5	NA	±20	Average RF
Bromodichloromethane	50.0	50.9	0.4823	0.4912	1.8	NA	±20	Average RF
Bromoform	50.0	48.9	0.263	0.2601	NA	-2.2	±20	Quadratic
Bromomethane	50.0	39.5	0.7335	0.4903	NA	-21.0*	±20	Quadratic
Carbon Disulfide	50.0	47.4	1.5933	1.5112	-5.2	NA	±20	Average RF
Carbon Tetrachloride	50.0	49.9	0.4411	0.4405	-0.1	NA	±20	Average RF
Chlorobenzene	50.0	48.1	1.1275	1.0844	-3.8	NA	±20	Average RF
Chloroethane	50.0	49.5	0.5465	0.5415	-0.9	NA	±20	Average RF
Chloroform	50.0	49.1	1.0493	1.0302	-1.8	NA	±20	Average RF
Chloromethane	50.0	56.7	0.9777	1.1094	13.5	NA	±20	Average RF
Cyclohexane	50.0	50.2	0.4474	0.4494	0.4	NA	±20	Average RF
Dibromochloromethane	50.0	48.1	0.394	0.3792	-3.8	NA	±20	Average RF
Dichlorodifluoromethane (CFC 12)	50.0	68.6	0.715	0.981	37.2*	NA	±20	Average RF
Dichloromethane	50.0	49.9	0.6279	0.627	-0.1	NA	±20	Average RF
Ethylbenzene	50.0	50.2	0.5905	0.5932	0.5	NA	±20	Average RF

Client:	Day Environmental, Inc.	**Service Request:**	R1903959
Project:	32 York St/5598S-19	**Date Analyzed:**	05/10/19 09:50

Continuing Calibration Verification (CCV) Summary
Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	**Calibration Date:**	4/30/2019
File ID:	I:\ACQUDATA\msvoa10\data\051019\E0973.D\	**Calibration ID:**	RC1900049
Signal ID:	1	**Analysis Lot:**	635063
		Units:	ug/L

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
Isopropylbenzene (Cumene)	50.0	48.8	1.9149	1.8699	-2.3	NA	±20	Average RF
Methyl Acetate	50.0	53.6	0.7428	0.7956	7.1	NA	±20	Average RF
Methyl tert-Butyl Ether	50.0	49.8	2.0236	2.0165	-0.4	NA	±20	Average RF
Methylcyclohexane	50.0	51.8	0.5373	0.5561	3.5	NA	±20	Average RF
Naphthalene	50.0	52.8	3.3306	3.5191	5.7	NA	±20	Average RF
Styrene	50.0	49.9	1.2339	1.2318	-0.2	NA	±20	Average RF
Tetrachloroethene (PCE)	50.0	48.9	0.3211	0.3143	-2.1	NA	±20	Average RF
Toluene	50.0	50.1	1.6165	1.618	0.1	NA	±20	Average RF
Trichloroethene (TCE)	50.0	48.5	0.3821	0.3706	-3.0	NA	±20	Average RF
Trichlorofluoromethane (CFC 11)	50.0	52.2	0.8697	0.9086	4.5	NA	±20	Average RF
Vinyl Chloride	50.0	57.0	0.903	1.0289	14.0	NA	±20	Average RF
cis-1,2-Dichloroethene	50.0	50.3	0.6195	0.6228	0.5	NA	±20	Average RF
cis-1,3-Dichloropropene	50.0	52.8	0.6408	0.6763	5.5	NA	±20	Average RF
m,p-Xylenes	100	96.4	0.7593	0.732	-3.6	NA	±20	Average RF
n-Butylbenzene	50.0	51.3	3.1443	3.2271	2.6	NA	±20	Average RF
n-Propylbenzene	50.0	49.2	4.4335	4.3652	-1.5	NA	±20	Average RF
o-Xylene	50.0	48.0	0.739	0.709	-4.1	NA	±20	Average RF
sec-Butylbenzene	50.0	50.0	3.8713	3.87	0.0	NA	±20	Average RF
tert-Butylbenzene	50.0	48.1	2.5553	2.4601	-3.7	NA	±20	Average RF
trans-1,2-Dichloroethene	50.0	50.6	0.5615	0.5687	1.3	NA	±20	Average RF
trans-1,3-Dichloropropene	50.0	51.2	0.5918	0.6056	2.3	NA	±20	Average RF

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
4-Bromofluorobenzene	50.0	47.4	0.5245	0.4972	-5.2	NA	±20	Average RF
Dibromofluoromethane	50.0	49.5	0.3275	0.3239	-1.1	NA	±20	Average RF
Toluene-d8	50.0	48.3	1.3556	1.3097	-3.4	NA	±20	Average RF

Client: Day Environmental, Inc. **Service Request:**R1903959
Project: 32 York St/5598S-19

Analysis Run Log
Volatile Organic Compounds by GC/MS

Analysis Method: **Analysis Lot:**634334
Instrument ID:R-MS-14

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
I:\ACQUDATA\MSVOA14\Data\050419\F6457.D\	ZZZZZZZ	ZZZZZZZ	5/4/2019	15:47:00	
I:\ACQUDATA\MSVOA14\Data\050419\F6458.D\	Continuing Calibration Verification	RQ1904290-02	5/4/2019	16:31:00	
I:\ACQUDATA\MSVOA14\Data\050419\F6459.D\	Lab Control Sample	RQ1904290-03	5/4/2019	17:01:00	
I:\ACQUDATA\MSVOA14\Data\050419\F6461.D\	Method Blank	RQ1904290-04	5/4/2019	17:52:00	
I:\ACQUDATA\MSVOA14\Data\050419\F6463.D\	ZZZZZZZ	ZZZZZZZ	5/4/2019	18:38:00	
I:\ACQUDATA\MSVOA14\Data\050419\F6464.D\	TB-01-32 (1-2)	R1903959-001	5/4/2019	19:02:00	
I:\ACQUDATA\MSVOA14\Data\050419\F6465.D\	TB-02-32 (2-3)	R1903959-004	5/4/2019	19:25:00	
I:\ACQUDATA\MSVOA14\Data\050419\F6466.D\	TB-04-32 (1-4)	R1903959-009	5/4/2019	19:48:00	
I:\ACQUDATA\MSVOA14\Data\050419\F6467.D\	ZZZZZZZ	ZZZZZZZ	5/4/2019	20:11:00	
I:\ACQUDATA\MSVOA14\Data\050419\F6468.D\	ZZZZZZZ	ZZZZZZZ	5/4/2019	20:35:00	
I:\ACQUDATA\MSVOA14\Data\050419\F6469.D\	ZZZZZZZ	ZZZZZZZ	5/4/2019	20:58:00	
I:\ACQUDATA\MSVOA14\Data\050419\F6470.D\	ZZZZZZZ	ZZZZZZZ	5/4/2019	21:21:00	
I:\ACQUDATA\MSVOA14\Data\050419\F6471.D\	ZZZZZZZ	ZZZZZZZ	5/4/2019	21:44:00	
I:\ACQUDATA\MSVOA14\Data\050419\F6472.D\	ZZZZZZZ	ZZZZZZZ	5/4/2019	22:08:00	
I:\ACQUDATA\MSVOA14\Data\050419\F6473.D\	ZZZZZZZ	ZZZZZZZ	5/4/2019	22:31:00	
I:\ACQUDATA\MSVOA14\Data\050419\F6474.D\	ZZZZZZZ	ZZZZZZZ	5/4/2019	22:54:00	
I:\ACQUDATA\MSVOA14\Data\050419\F6475.D\	ZZZZZZZ	ZZZZZZZ	5/4/2019	23:17:00	
I:\ACQUDATA\MSVOA14\Data\050419\F6476.D\	ZZZZZZZ	ZZZZZZZ	5/4/2019	23:40:00	
I:\ACQUDATA\MSVOA14\Data\050419\F6477.D\	ZZZZZZZ	ZZZZZZZ	5/5/2019	00:04:00	

Client: Day Environmental, Inc. **Service Request:**R1903959
Project: 32 York St/5598S-19

Analysis Run Log
Volatile Organic Compounds by GC/MS

Analysis Method: **Analysis Lot:**634409
Instrument ID:R-MS-14

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
I:\ACQUDATA\msvoa12\Data\050619\P26400.D\	ZZZZZZZ	ZZZZZZZ	5/6/2019	10:18:00	
I:\ACQUDATA\msvoa12\Data\050619\P26402.D\	Continuing Calibration Verification	RQ1904174-02	5/6/2019	11:32:00	
I:\ACQUDATA\msvoa12\Data\050619\P26403.D\	Lab Control Sample	RQ1904174-03	5/6/2019	12:03:00	
I:\ACQUDATA\msvoa12\Data\050619\P26405.D\	Method Blank	RQ1904174-04	5/6/2019	13:01:00	
I:\ACQUDATA\msvoa12\Data\050619\P26406.D\	ZZZZZZZ	ZZZZZZZ	5/6/2019	13:40:00	
I:\ACQUDATA\msvoa12\Data\050619\P26407.D\	ZZZZZZZ	ZZZZZZZ	5/6/2019	14:02:00	
I:\ACQUDATA\msvoa12\Data\050619\P26409.D\	ZZZZZZZ	ZZZZZZZ	5/6/2019	14:46:00	
I:\ACQUDATA\msvoa12\Data\050619\P26410.D\	ZZZZZZZ	ZZZZZZZ	5/6/2019	15:08:00	
I:\ACQUDATA\msvoa12\Data\050619\P26411.D\	ZZZZZZZ	ZZZZZZZ	5/6/2019	15:30:00	
I:\ACQUDATA\msvoa12\Data\050619\P26412.D\	ZZZZZZZ	ZZZZZZZ	5/6/2019	15:52:00	
I:\ACQUDATA\msvoa12\Data\050619\P26413.D\	ZZZZZZZ	ZZZZZZZ	5/6/2019	16:14:00	
I:\ACQUDATA\msvoa12\Data\050619\P26414.D\	ZZZZZZZ	ZZZZZZZ	5/6/2019	16:36:00	
I:\ACQUDATA\msvoa12\Data\050619\P26417.D\	TMW-01-32	R1903959-011	5/6/2019	17:42:00	
I:\ACQUDATA\msvoa12\Data\050619\P26418.D\	TMW-02-32	R1903959-012	5/6/2019	18:03:00	
I:\ACQUDATA\msvoa12\Data\050619\P26419.D\	TMW-04-32	R1903959-014	5/6/2019	18:25:00	
I:\ACQUDATA\msvoa12\Data\050619\P26420.D\	ZZZZZZZ	ZZZZZZZ	5/6/2019	18:47:00	
I:\ACQUDATA\msvoa12\Data\050619\P26426.D\	ZZZZZZZ	ZZZZZZZ	5/6/2019	20:59:00	
I:\ACQUDATA\msvoa12\Data\050619\P26427.D\	ZZZZZZZ	ZZZZZZZ	5/6/2019	21:21:00	

Client: Day Environmental, Inc. **Service Request:**R1903959
Project: 32 York St/5598S-19

Analysis Run Log
Volatile Organic Compounds by GC/MS

Analysis Method: **Analysis Lot:**634768
Instrument ID:R-MS-14

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
I:\ACQUDATA\msvoa10\data\050819\E0942.D\	ZZZZZZZ	ZZZZZZZ	5/8/2019	09:37:00	
I:\ACQUDATA\msvoa10\data\050819\E0943.D\	Continuing Calibration Verification	RQ1904434-02	5/8/2019	10:05:00	
I:\ACQUDATA\msvoa10\data\050819\E0944.D\	Lab Control Sample	RQ1904434-03	5/8/2019	10:37:00	
I:\ACQUDATA\msvoa10\data\050819\E0946.D\	Method Blank	RQ1904434-04	5/8/2019	11:26:00	
I:\ACQUDATA\msvoa10\data\050819\E0947.D\	ZZZZZZZ	ZZZZZZZ	5/8/2019	12:10:00	
I:\ACQUDATA\msvoa10\data\050819\E0948.D\	ZZZZZZZ	ZZZZZZZ	5/8/2019	12:32:00	
I:\ACQUDATA\msvoa10\data\050819\E0949.D\	ZZZZZZZ	ZZZZZZZ	5/8/2019	12:54:00	
I:\ACQUDATA\msvoa10\data\050819\E0950.D\	ZZZZZZZ	ZZZZZZZ	5/8/2019	13:16:00	
I:\ACQUDATA\msvoa10\data\050819\E0951.D\	ZZZZZZZ	ZZZZZZZ	5/8/2019	13:38:00	
I:\ACQUDATA\msvoa10\data\050819\E0952.D\	ZZZZZZZ	ZZZZZZZ	5/8/2019	13:59:00	
I:\ACQUDATA\msvoa10\data\050819\E0953.D\	ZZZZZZZ	ZZZZZZZ	5/8/2019	14:21:00	
I:\ACQUDATA\msvoa10\data\050819\E0954.D\	ZZZZZZZ	ZZZZZZZ	5/8/2019	14:43:00	
I:\ACQUDATA\msvoa10\data\050819\E0955.D\	TMW-03-32	R1903959-013	5/8/2019	15:05:00	
I:\ACQUDATA\msvoa10\data\050819\E0957.D\	ZZZZZZZ	ZZZZZZZ	5/8/2019	15:49:00	
I:\ACQUDATA\msvoa10\data\050819\E0958.D\	ZZZZZZZ	ZZZZZZZ	5/8/2019	16:10:00	
I:\ACQUDATA\msvoa10\data\050819\E0959.D\	ZZZZZZZ	ZZZZZZZ	5/8/2019	16:32:00	
I:\ACQUDATA\msvoa10\data\050819\E0960.D\	ZZZZZZZ	ZZZZZZZ	5/8/2019	16:54:00	
I:\ACQUDATA\msvoa10\data\050819\E0961.D\	ZZZZZZZ	ZZZZZZZ	5/8/2019	17:16:00	
I:\ACQUDATA\msvoa10\data\050819\E0962.D\	ZZZZZZZ	ZZZZZZZ	5/8/2019	17:37:00	
I:\ACQUDATA\msvoa10\data\050819\E0963.D\	ZZZZZZZ	ZZZZZZZ	5/8/2019	17:59:00	
I:\ACQUDATA\msvoa10\data\050819\E0964.D\	ZZZZZZZ	ZZZZZZZ	5/8/2019	18:21:00	
I:\ACQUDATA\msvoa10\data\050819\E0965.D\	ZZZZZZZ	ZZZZZZZ	5/8/2019	18:43:00	
I:\ACQUDATA\msvoa10\data\050819\E0966.D\	ZZZZZZZ	ZZZZZZZ	5/8/2019	19:05:00	

Client: Day Environmental, Inc. **Service Request:**R1903959
Project: 32 York St/5598S-19

Analysis Run Log
Volatile Organic Compounds by GC/MS

Analysis Method: **Analysis Lot:**634768
Instrument ID:R-MS-14

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
I:\ACQUDATA\msvoa10\data\050819 \E0967.D\	ZZZZZZZ	ZZZZZZZ	5/8/2019	19:27:00	
I:\ACQUDATA\msvoa10\data\050819 \E0968.D\	ZZZZZZZ	ZZZZZZZ	5/8/2019	19:48:00	
I:\ACQUDATA\msvoa10\data\050819 \E0969.D\	ZZZZZZZ	ZZZZZZZ	5/8/2019	20:10:00	

Client: Day Environmental, Inc. **Service Request:**R1903959
Project: 32 York St/5598S-19

Analysis Run Log
Volatile Organic Compounds by GC/MS

Analysis Method: **Analysis Lot:**634784
Instrument ID:R-MS-14

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
I:\ACQUDATA\MSVOA14\Data\050819\F6508.D\	ZZZZZZZ	ZZZZZZZ	5/8/2019	14:21:00	
I:\ACQUDATA\MSVOA14\Data\050819\F6509.D\	Continuing Calibration Verification	RQ1904406-02	5/8/2019	14:57:00	
I:\ACQUDATA\MSVOA14\Data\050819\F6510.D\	Lab Control Sample	RQ1904406-03	5/8/2019	15:28:00	
I:\ACQUDATA\MSVOA14\Data\050819\F6512.D\	Method Blank	RQ1904406-04	5/8/2019	16:21:00	
I:\ACQUDATA\MSVOA14\Data\050819\F6515.D\	ZZZZZZZ	ZZZZZZZ	5/8/2019	17:33:00	
I:\ACQUDATA\MSVOA14\Data\050819\F6516.D\	ZZZZZZZ	ZZZZZZZ	5/8/2019	17:55:00	
I:\ACQUDATA\MSVOA14\Data\050819\F6517.D\	ZZZZZZZ	ZZZZZZZ	5/8/2019	18:17:00	
I:\ACQUDATA\MSVOA14\Data\050819\F6519.D\	TB-03-32 (7-8)	R1903959-007	5/8/2019	19:01:00	
I:\ACQUDATA\MSVOA14\Data\050819\F6521.D\	ZZZZZZZ	ZZZZZZZ	5/8/2019	19:46:00	
I:\ACQUDATA\MSVOA14\Data\050819\F6522.D\	ZZZZZZZ	ZZZZZZZ	5/8/2019	20:08:00	
I:\ACQUDATA\MSVOA14\Data\050819\F6524.D\	ZZZZZZZ	ZZZZZZZ	5/8/2019	20:52:00	
I:\ACQUDATA\MSVOA14\Data\050819\F6525.D\	ZZZZZZZ	ZZZZZZZ	5/8/2019	21:15:00	
I:\ACQUDATA\MSVOA14\Data\050819\F6526.D\	ZZZZZZZ	ZZZZZZZ	5/8/2019	21:37:00	
I:\ACQUDATA\MSVOA14\Data\050819\F6528.D\	ZZZZZZZ	ZZZZZZZ	5/8/2019	22:21:00	

Client: Day Environmental, Inc. **Service Request:**R1903959
Project: 32 York St/5598S-19

Analysis Run Log
Volatile Organic Compounds by GC/MS

Analysis Method: **Analysis Lot:**635063
Instrument ID:R-MS-14

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
I:\ACQUDATA\msvoa10\data\051019 \E0972.D\	ZZZZZZZ	ZZZZZZZ	5/10/2019	09:15:00	
I:\ACQUDATA\msvoa10\data\051019 \E0972.D\	ZZZZZZZ	ZZZZZZZ	5/10/2019	09:15:00	
I:\ACQUDATA\msvoa10\data\051019 \E0973.D\	ZZZZZZZ	ZZZZZZZ	5/10/2019	09:50:00	
I:\ACQUDATA\msvoa10\data\051019 \E0973.D\	Continuing Calibration Verification	RQ1904436-02	5/10/2019	09:50:00	
I:\ACQUDATA\msvoa10\data\051019 \E0977.D\	Lab Control Sample	RQ1904436-03	5/10/2019	11:48:00	
I:\ACQUDATA\msvoa10\data\051019 \E0977.D\	ZZZZZZZ	ZZZZZZZ	5/10/2019	11:48:00	
I:\ACQUDATA\msvoa10\data\051019 \E0979.D\	Method Blank	RQ1904436-04	5/10/2019	12:34:00	
I:\ACQUDATA\msvoa10\data\051019 \E0979.D\	ZZZZZZZ	ZZZZZZZ	5/10/2019	12:34:00	
I:\ACQUDATA\msvoa10\data\051019 \E0985.D\	ZZZZZZZ	ZZZZZZZ	5/10/2019	14:53:00	
I:\ACQUDATA\msvoa10\data\051019 \E0986.D\	ZZZZZZZ	ZZZZZZZ	5/10/2019	15:15:00	
I:\ACQUDATA\msvoa10\data\051019 \E0987.D\	ZZZZZZZ	ZZZZZZZ	5/10/2019	15:39:00	
I:\ACQUDATA\msvoa10\data\051019 \E0988.D\	ZZZZZZZ	ZZZZZZZ	5/10/2019	16:01:00	
I:\ACQUDATA\msvoa10\data\051019 \E0989.D\	ZZZZZZZ	ZZZZZZZ	5/10/2019	16:23:00	
I:\ACQUDATA\msvoa10\data\051019 \E0991.D\	TB-03-32 (7-8)	R1903959-007	5/10/2019	17:19:00	

Analysis: 8260 -Soil | Analyst: F. Naegler | pH strips: — | Tune Method: S041919.M

Date: 5/4/19 | Balance ID: 07 | ResCl strips: — | Run Method: ↓

Instr. MS14 | 50 mL Class A used for dilution FV | Syringes: 190697 / 77958 | LIMS Run#: 634334

Data Path: j:\acqudata\msvoa(InstID)\(Date)

Pos.	Sample	Diln.	Diln. Prep./	RL	Tier	Vial	pH	File#	OK?	Comments
1	BLK							F6453	Y	
2	BLK							54	Y	
3	BLK							55	Y	
1	BLK							56	Y	
2	TUNE							57	Y	
1	CCV							58	Y	
2	LCS		+5g sand					59	Y	
3	MBLK		↓					60	(N)	
4	MBLK		↓					61	Y	
5	R1903923-001	1.09	0798	12666	4	2	—	62	Y	ISv; RA
6	↓ -003	0.85	2537	↓	↓	2	—	63	Y	
7	R1903959-001	0.79	1278	19396	4	1	—	64	Y	
8	↓ -004	0.76	0720	↓	↓	1	—	65	Y	
9	↓ -009	0.68	1306	↓	↓	1	—	66	Y	
10	R1903957-001	0.94	1332	19396	4	1	—	67	(Y)	Rpt MED (1/50)
11	↓ -002	0.87	1292	↓	↓	1	—	68	Y	
12	-003	0.73	0801			1	—	69	(Y)	Rpt MED (1/50)
13	-004	0.76	0738			1	—	70	(Y)	ISv; Rpt to confirm
14	-005	0.81	1330			1	—	71	Y	
15	-006	0.75	1280			1	—	72	Y	
16	-007	0.71	0804			1	—	73	Y	
17	↓ -008	0.78	1307			1	—	74	Y	
18	R1903951-009	0.71	0741			1	—	75	(Y)	Rpt MED (1/50)
19	R1903957-002MS	0.93	1291			2	—	76	Y	
20	↓ -002MSD	0.90	1322	↓	↓	3	—	77	Y	
21	BLK							78	Y	
22	↓							79	Y	
23								80	Y	
24								81	Y	
25	↓							↓ 82	Y	
										FD 5/4/19

All samples = 5 mL + 5 uL combined IS/Surr. 10 mL purged -125

Combined IS/Surr — : —

Surrogate 50 : 198898

Internal Std 50 : 199035

Reagents: MB 5/4/19

T/G Primary 500 : 198694 - 5uL / 50mL

HSL Primary : 198696 -

Fr Primary : 198619 -

OCC Primary : 197917 - (CCV)

Primary :

Fr Secondary 200 : 198689 - 5uL

T/G Secondary 500 : 198847 - 2uL

HSL Secondary : 198593 - (LCS)

OCC Secondary : 198044 -

Secondary :

~~12.5uL~~ - 5uL / 50mL (LCS)

1mL / 5mL / =20 (SPK)

→ 10mL 2° SPK/50 = MS/MSD

Analysis: 8260C	Analyst: F. Naegler	pH strips: —	Tune Method: W032619.M		
Date: 5/8/19	Balance ID: 07	ResCl strips: —	Run Method: ↓		
Instr. MS14	50 mL Class A used for dilution FV	Syringes: 190697 / 77958	LIMS Run#: 634784		

Data Path: j:\acqudata\msvoa(InstID)\(Date)

Pos.	Sample	Diln.	Diln. Prep./	RL	Tier	Vial	pH	File#	OK?	Comments
1	BLK							F6498	Y	
2	BLK							↓ 99	Y	
3	TUNE							F6500	Y	
1	CCV							01	(N)	
1	CCV							02	(N)	clean sparge tube
1	BLK							03	Y	
2	TUNE							04	Y	
1	CCV							05	(N)	
1	CCV							06	(N)	Retune
1	BLK							07	Y	
2	TUNE							08	Y	
1	CCV							09	Y	
2	LCS-MED		1/50mL					10	Y	
3	MBLK							11	(N)	
4	MED BLK	50.0	1/50mL					12	Y	
5	R1903838-001	183.0	↓	8043	2	3	—	13	(N)	Rpt low
6	BLK							14	Y	
7	R1903923-002	29.5	1/50mL	12666	4	3	—	15	Y	
8	-004	65.0	500uL/5mL	↓	↓	3	—	16	(Y)	Rpt 1/200
9	↓ -005	33.0	1/50mL	↓	↓	3	—	17	Y	
10	BLK							18	Y	
11	R1903959-007	72.5	1/50mL	19396	4	3	—	19	(Y)	Rpt 1/200
12	BLK							20	Y	
13	R1903957-001	91.0	1/50mL	19396	4	3	—	21	Y	DL
14	↓ -003	89.0	↓	↓	↓	3	—	22	Y	DL
15	BLK							23	Y	
16	R1903954-005	99.5	1/50mL	19396	4	3	—	24	Y	
17	-007	89.5				3	—	25	Y	
18	-009	83.0	↓			3	—	26	Y	DL
19	-002	1560.0	50uL/5mL			3	—	27	(N)	Rpt 1/50
20	↓ -011	1620.0	↓	↓	↓	3	—	28	Y	
21	BLK							↓ 29	Y	

Cont on pg 84

All samples = 5 mL + 5 uL combined IS/Surr. 5 mL purged

Combined IS/Surr — : —

Surrogate 50 : 198898

Internal Std 50 : 199035

Reagents:

T/G Primary 500 : 199136 - 5uL/50mL

HSL Primary : 198696 -

Fr Primary : 198619 - (CCV)

OCC Primary : 197917 -

Primary :

Fr Secondary 200 : 198689 - 2uL

TG Secondary 500 : 198847 - 2uL/50mL (LCS)

HSL Secondary : 198593 -

OCC Secondary : 198044 -

Secondary :

-12.5uL -5uL/50mL (SPK)

Method 5035 Tare Extraction Log

ALS Environmental - Rochester

Level: Low **Folder #:** R1903957 **Instrument:** R-BALANCE-07

Lot # MeOH:

Lot # Sodium Bisulfate:

Comments:

Serial #	Sample ID	Order #	Final WT (g)	Tare WT (g)	Bottle Prep/Tare Date	Tare Analyst	Sample WT (g)	DIL	Extraction Date	Extraction Analyst	Final WT Date	Final WT	% Solid
18-352001332	1	R1903957-001	37.59	32.27		Manufacturer	5.32	**0.94**	5/1/2019	Field	5/3/2019	F. Naegler	
18-352001324		R1903957-001	39.32	32.32		Manufacturer	7.00	**0.71**	5/1/2019	Field	5/3/2019	F. Naegler	
18-352001292	1	R1903957-002	37.80	32.07		Manufacturer	5.73	**0.87**	5/1/2019	Field	5/3/2019	F. Naegler	
18-352001291	MS	R1903957-002	37.48	32.11		Manufacturer	5.37	**0.93**	5/1/2019	Field	5/3/2019	F. Naegler	
18-352001322	MSD	R1903957-002	37.63	32.08		Manufacturer	5.55	**0.90**	5/1/2019	Field	5/3/2019	F. Naegler	
18-352001327		R1903957-002	38.50	32.33		Manufacturer	6.17	**0.81**	5/1/2019	Field	5/3/2019	F. Naegler	
18-352000801	1	R1903957-003	38.96	32.07		Manufacturer	6.89	**0.73**	5/1/2019	Field	5/3/2019	F. Naegler	
18-352000803		R1903957-003	38.17	32.12		Manufacturer	6.05	**0.83**	5/1/2019	Field	5/3/2019	F. Naegler	
18-352000738	1	R1903957-004	38.76	32.22		Manufacturer	6.54	**0.76**	5/1/2019	Field	5/3/2019	F. Naegler	
18-352000750	(2)	R1903957-004	38.03	32.15		Manufacturer	5.88	**0.85**	5/1/2019	Field	5/3/2019	F. Naegler	
18-352001330	1	R1903957-005	38.37	32.20		Manufacturer	6.17	**0.81**	5/1/2019	Field	5/3/2019	F. Naegler	
18-352001321		R1903957-005	38.40	32.25		Manufacturer	6.15	**0.81**	5/1/2019	Field	5/3/2019	F. Naegler	
18-352001280	1	R1903957-006	38.97	32.26		Manufacturer	6.71	**0.75**	5/1/2019	Field	5/3/2019	F. Naegler	
18-352001353		R1903957-006	38.79	32.37		Manufacturer	6.42	**0.78**	5/1/2019	Field	5/3/2019	F. Naegler	
18-352000804	1	R1903957-007	39.04	31.99		Manufacturer	7.05	**0.71**	5/1/2019	Field	5/3/2019	F. Naegler	
18-352000820		R1903957-007	38.66	32.07		Manufacturer	6.59	**0.76**	5/1/2019	Field	5/3/2019	F. Naegler	
18-352001307	1	R1903957-008	38.68	32.28		Manufacturer	6.40	**0.78**	5/1/2019	Field	5/3/2019	F. Naegler	
18-352001308		R1903957-008	38.85	32.02		Manufacturer	6.83	**0.73**	5/1/2019	Field	5/3/2019	F. Naegler	

Med Level based on 10 mLs MeOH
Low Level based on 5 mL DI

Method 5035 Tare Extraction Log

ALS Environmental - Rochester

Level: Medium **Folder #:** R1903957 **Instrument:** R-BALANCE-07

Lot # MeOH:

Lot # Sodium Bisulfate:

Comments:

Serial #	Sample ID	Order #	Final WT (g)	Tare WT (g)	Bottle Prep/Tare Date	Tare Analyst	Sample WT (g)	DIL	Extraction Date	Extraction Analyst	Final WT Date	Final WT	% Solid
18-193003135		R1903957-001	38.99	33.06		Manufacturer	5.93	**1.82**	5/1/2019	Field	5/3/2019	F. Naegler	86.7
18-193003033		R1903957-002	38.65	32.83		Manufacturer	5.82		5/1/2019	Field	5/3/2019	F. Naegler	
18-193003130		R1903957-002	44.14	32.77		Manufacturer	11.37		5/1/2019	Field	5/3/2019	F. Naegler	
18-193003066		R1903957-003	39.03	32.64		Manufacturer	6.39	**1.68**	5/1/2019	Field	5/3/2019	F. Naegler	88.2
18-193002804		R1903957-004	38.00	32.99		Manufacturer	5.01		5/1/2019	Field	5/3/2019	F. Naegler	
18-193003037		R1903957-005	38.85	32.84		Manufacturer	6.01		5/1/2019	Field	5/3/2019	F. Naegler	
18-193003126		R1903957-006	37.40	33.02		Manufacturer	4.38		5/1/2019	Field	5/3/2019	F. Naegler	
18-193003067		R1903957-007	39.74	32.98		Manufacturer	6.76		5/1/2019	Field	5/3/2019	F. Naegler	
18-193003147		R1903957-008	39.49	33.03		Manufacturer	6.46		5/1/2019	Field	5/3/2019	F. Naegler	

Med Level based on 10 mLs MeOH
Low Level based on 5 mL DI

624.1 &

Analysis: 8260C - waters - med. soils | Analyst: D. Kipani | pH strips: Hyd. 204018 | Tune Method: W043019.M

Date: 05/10/19 | Balance ID: — | ResCl strips: HF083018 | Run Method: ↓

Instr. MS#10 | 50 mL Class A used for dilution FV | Syringes: 181117 | LIMS Run#: 635063(med)/635089(W)

Data Path: j:\acqudata\msvoa(InstID)\(Date)

Pos.	Sample	Diln.	Diln. Prep./		RL	Tier	Vial	pH	File#	OK?	Comments
1	50 Test Std								E0970	Y	
2	BLK								71	O.K.	
3	Tune Check		(Run as a BLK)						72	Y	
4	CCV								73	Y	
5	LCS-Acid								74	Y	
6	LCS-Unp.								75	Y	
7	LCS-Acetates+								76	Y	
8	LCS-Med.		(w/ 1.0mL MeOH up to 5mL w/DI)						77	Y	
9	Met BLK			Residual Chlorine					78	Y	
10	Med. Met BLK		(DL)						79	Y	
11	R1904013-0032	~~200~~	~~1.0mL/200mL~~ 1.0	neg	15891	II	1	7	E0980	Y	
12	R1903953-018	1.0		—	6691	IV	1	<2	81	Y	
13	↓ -019	1.0		—	↓	↓	1	<2	82	Y	
14	R1904013-003	200	1.0mL/200mL	neg	16102	II	1	7	83	Y	= DL
15	R1903811-001	20,000	1.0g/10mL; 25µL/50mL	—	10775	II	—	—	84	(N)	weak rpt 250µl
16	R1903838-001	166	1.0mL (4g/10mL)/50mL	—	8043	II	med.	—	85	(Y)	rpt 250µl acetone†
17	R1903923-004	162.5	200µl ext./50mL	—	12666	IV	med.	—	86	Y	TCE = 113 (1728) extr. I.D.
18	R1903811-001	2000	1.0g/10mL MeOH; 250µl/50mL	—	10775	II	med	—	87	Y	matrix broadens peaks!
19	R1903838-001	664	250µl of (4g/10mL)/50mL	—	8043	II	med	—	88	Y	= DL
20	R1903954-002	78	1.0mL ext./50mL	—	19396	IV	3032	—	89	Y	~~Some CH hit~~, hydrocarbons!
21	R1904013-003	10	5.0mL/50mL	neg	16102	II	2	7	E0990	(Y)	use w/ 1/200 above
22	R1903959-007	290	1.0mL ext/50mL	—	19396	IV	3011	—	91	Y	= DL
23	BLK			—	—	—	—	—	92	Y	
24	R1903969-001	1.0	(LL)	—	6656	III	1	<2	93	Y	
25	↓ -002	1.0		—			1	<2	94	Y	
26	↓ -003	1.0	↓	—	↓	↓	1	<2	95	Y	
27	R1903970-001	1.0		—	6656	III	1	<2	96	Y	
28	↓ -002	1.0		—	↓	↓	1	<2	97	Y	
29	↓ -003	1.0		—	↓	↓	1	<2	98	Y	
30	↓ -004	1.0		—	↓	↓	1	<2	99	(N)	x-over rpt 1.0
31	R1903953-019MS	1.0		—	6691	IV	2	<2	E1000	Y	
32	↓ -019DMS	1.0		—	↓	↓	3	<2	01	Y	

All samples = 5.0 mL + 5.0 uL combined IS/Surr. 5.0 mL purged

Primary TG : 199136 5.0µl
Primary HSL : 198696
Primary OCC : 197917
Primary Fr+ : 198619
Primary : ↓ / 50mL DI = CCV.

Secondary TG : 198847 2.0µl → 4.2µl
Secondary HSL : 198593 ↓
Secondary OCC : 198044 ↓
Secondary Fr+ : 198689 5.0µl → 10.6µl
Secondary EK+ (Acetates) 198848 → 50mL → LCS.
(5.0µl/50mL DI = Acetates+ LCS)

Combined IS/Surr : —
Surrogate 50 : 198898
Internal Std 50 : 199035
Reagents: MeOH = 196148

42mL vials 5amp. = MS/DMS.

Analysis: 8260 Waters | Analyst: K. Ruest | pH strips: 204018 | Tune Method: W050119

Date: 5/10/19 | Balance ID: N/A | ResCl strips: N/A | Run Method: ↓

Instr. 12 | 50 mL Class A used for dilution FV | Syringes: ~~199~~ 193643 (#2) | LIMS Run#: 634409

Data Path: j:\acqudata\msvoa(InstID)\(Date)

Pos.	Sample	Diln.	Diln. Prep./	RL	Tier	Vial	pH	File#	OK?	Comments
1	BLK							PX6397		
2	MeOH SDS							PX6398		
3	BLK							PX6399		
4	TUNE		RQ1904154.01					PX6400	YT	(auto) 10:18
1	CCV		—					PX6401	(N)	↓ cmpds ↓
1	CCV		02					PX6402	YC	
1	LCS. Acid		03					PX6403	YQ	
1	VBLK		—					PX6404	(N)	↓ pt 1.0
2	↓		04					PX6405	YR	
1	R1903957.001	1.0		14942	2	1	22	PX6406	Y	
2	002	1.0				1	22	PX6407	Y	
3	003	2.0				1	22	PX6408	(N)	↓ pt 1.0
4	004	1.0				1	22	PX6409	Y	
5	005	1.0				1	22	PX6410	Y	
6	006	1.0				1	22	PX6411	Y	
7	R1903641.001	2.0	5/50mls	14733	2	1	22	PX6412	Y	
8	R1903921.001	1.0		6731	2	1	22	PX6413	Y	
9	R1903957.003	1.0		14942	2	2	22	PX6414	Y	
10	BLK					—	—	PX6415	—	
11	↓					—	—	PX6416	—	
12	R1903959.011	1.0		19396	4	1	22	PX6417	Y	
13	012	1.0				1	22	PX6418	Y	
14	014	1.0				1	22	PX6419	Y	
15	R1903954.014	1.0				1	22	PX6420	Y	
16	012	5.0	10/50mls			1	22	PX6421	(N)	↓ pt 1.0
17	015	5.0	↓			1	22	PX6422	(N)	↓
18	013	50	1/50mls			1	22	PX6423	(N)	↓ pt 2.0
19	016	250	1/250mls			1	22	PX6424	(N)	↓ pt 5.0
20	R1903959.013	250	↓	↓	↓	1	22	PX6425	(N)	↓ pt 2.5
21	R1903957.006	1.0	MS	14942	2	2	22	PX6426	YQ	
22	↓ 006	1.0	MSD	↓	↓	3	22	PX6427	YQ	21:21 ✓
23	BLK					—	—	PX6428	—	

All samples = 5 mL + 5 uL combined IS/Surr. 5 mL purged

Combined IS/Surr

500 Primary Acct : 197917

Primary Frt : 198619 | 5ul → 5mls

Primary HSL : 198696 | = CCV

Primary TG : 199136

Primary

200 Secondary Frt : 198689 - 5ul

500 Secondary Acct : 198614

Secondary HSL : 198593 | 2ul

Secondary TG : 198547 | 5mls = LCS

Secondary

- 10.6uL

4.2uL ✓

42 ml vial = MS/D

Surrogate 5D : 198598

Internal Std 5D : 199135

Reagents:

Runlog-MSVOAr4 1/17/17

Analysis: 8260C | Analyst: [signature] | pH strips: Hyd 204018 | Tune Method: W043019.M

Date: 05/08/19 | Balance ID: — | ResCl strips: — | Run Method: ↓

Instr. MS#10 | 50 mL Class A used for dilution FV | Syringes: 181117 | LIMS Run#: 634768

Data Path: j:\acqudata\msvoa(InstID)\(Date)

Pos.	Sample	Diln.	Diln. Prep./	RL	Tier	Vial	pH	File#	OK?	Comments
1	50 Test Std.							E0940	Y	
2	Blk							41	O.K	
3	Tune Check		(Run as a Blk)					42	Y	
4	CCV							43	Y	— DCDFM ↑
5	LCS Acid							44	Y	
6	Blk							45	O.K	— x-over
7	Met Blk							46	Y	
8	R1903953-001	1.0		6691	IV	1	<2	47	Y	
9	-002	1.0				1	<2	48	Y	
10	-003	1.0				1	<2	↓ 49	Y	
11	-004	1.0				1	<2	E0950	Y	
12	-007	1.0				1	<2	51	Y	
13	-008	1.0				1	<2	52	Y	
14	-020	10	5.0mL/50mL	↓	↓	1	<2	53	Y	— Very Foamy!
15	R1903954-016	5.0	10mL/50mL	19396	IV	3	<2	54	Y	
16	R1903959-013	2.5	20mL/50mL	↓	↓	3	<2	55	Y	
17	Blk			—	—	—	—	56	Y	
18	R1903953-009	1.0		6691	IV	1	<2	57	Y	
19	-010	1.0				1	<2	58	Y	
20	-011	1.0				1	<2	↓ 59	Y	
21	-012	1.0				1	<2	E0960	Y	
22	-013	1.0				1	<2	61	Y	
23	-014	1.0				1	<2	62	Y	
24	-015	1.0				1	<2	63	Y	
25	-016	1.0				1	<2	64	Y	
26	-017	1.0				1	<2	65	Y	
27	-005	1.0				1	<2	66	Y	
28	-006	1.0				1	<2	67	Y	
29	-016MS	1.0				2	<2	68	Y	
30	-016DMS	1.0		↓	↓	3	<2	↓ 69	Y	
31-40	High Conc + Blks			~	~	-	-	E0970 – 79	Y	
—	EOD	DL 5/8/19								

All samples = 5.0 mL + 5.0 uL combined IS/Surr. 5.0 mL purged

Primary TG : 199136 5.0ml
Primary HSL : 198696
Primary OCC : 197917
Primary Fr+ : 198619
Primary : —

/ 50mL DI = CCV.

Secondary TG : 198847 2.0ml
Secondary HSL : 198593
Secondary OCC : 198044
Secondary Fr+ : 198689 5.0ml
Secondary : —

> 4.2ml ↓ > 10.6ml ↓ 42mL vials samp = MS/DMS

50mL → LCS.

Combined IS/Surr : —
Surrogate 50 : 198898
Internal Std 50 : 199035
Reagents:

Runlog-MSVOAr4 1/17/17

Semivolatile 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:	Day Environmental, Inc.	**Service Request:**	R1903959
Project:	32 York St/5598S-19	**Date Collected:**	04/30/19 08:28
Sample Matrix:	Soil	**Date Received:**	05/02/19 16:21
Sample Name:	TB-01-32 (2-3)	**Units:**	ug/Kg
Lab Code:	R1903959-002	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3541

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	130 U	430	130	1	05/07/19 23:04	5/6/19	
2,3,4,6-Tetrachlorophenol	110 U	430	110	1	05/07/19 23:04	5/6/19	
2,4,5-Trichlorophenol	110 U	430	110	1	05/07/19 23:04	5/6/19	
2,4,6-Trichlorophenol	120 U	430	120	1	05/07/19 23:04	5/6/19	
2,4-Dichlorophenol	88 U	430	88	1	05/07/19 23:04	5/6/19	
2,4-Dimethylphenol	82 U	430	82	1	05/07/19 23:04	5/6/19	
2,4-Dinitrophenol	80 U	2200	80	1	05/07/19 23:04	5/6/19	
2,4-Dinitrotoluene	120 U	430	120	1	05/07/19 23:04	5/6/19	
2,6-Dinitrotoluene	150 U	430	150	1	05/07/19 23:04	5/6/19	
2-Chloronaphthalene	95 U	430	95	1	05/07/19 23:04	5/6/19	
2-Chlorophenol	110 U	430	110	1	05/07/19 23:04	5/6/19	
2-Methylnaphthalene	96 U	430	96	1	05/07/19 23:04	5/6/19	
2-Methylphenol	110 U	430	110	1	05/07/19 23:04	5/6/19	
2-Nitroaniline	130 U	2200	130	1	05/07/19 23:04	5/6/19	
2-Nitrophenol	97 U	430	97	1	05/07/19 23:04	5/6/19	
3,3'-Dichlorobenzidine	140 U	430	140	1	05/07/19 23:04	5/6/19	
3- and 4-Methylphenol Coelution	110 U	430	110	1	05/07/19 23:04	5/6/19	
3-Nitroaniline	93 U	2200	93	1	05/07/19 23:04	5/6/19	
4,6-Dinitro-2-methylphenol	93 U	2200	93	1	05/07/19 23:04	5/6/19	
4-Bromophenyl Phenyl Ether	130 U	430	130	1	05/07/19 23:04	5/6/19	
4-Chloro-3-methylphenol	98 U	430	98	1	05/07/19 23:04	5/6/19	
4-Chloroaniline	51 U	430	51	1	05/07/19 23:04	5/6/19	
4-Chlorophenyl Phenyl Ether	110 U	430	110	1	05/07/19 23:04	5/6/19	
4-Nitroaniline	94 U	2200	94	1	05/07/19 23:04	5/6/19	
4-Nitrophenol	250 U	2200	250	1	05/07/19 23:04	5/6/19	
Acenaphthene	94 U	430	94	1	05/07/19 23:04	5/6/19	
Acenaphthylene	**96 J**	430	87	1	05/07/19 23:04	5/6/19	
Acetophenone	100 U	430	100	1	05/07/19 23:04	5/6/19	
Anthracene	**190 J**	430	83	1	05/07/19 23:04	5/6/19	
Atrazine	120 U	430	120	1	05/07/19 23:04	5/6/19	
Benz(a)anthracene	**630**	430	75	1	05/07/19 23:04	5/6/19	
Benzaldehyde	110 U	2200	110	1	05/07/19 23:04	5/6/19	
Benzo(a)pyrene	**580**	430	86	1	05/07/19 23:04	5/6/19	
Benzo(b)fluoranthene	**730**	430	78	1	05/07/19 23:04	5/6/19	
Benzo(g,h,i)perylene	**420 J**	430	98	1	05/07/19 23:04	5/6/19	
Benzo(k)fluoranthene	**280 J**	430	96	1	05/07/19 23:04	5/6/19	
Biphenyl	100 U	430	100	1	05/07/19 23:04	5/6/19	
2,2'-Oxybis(1-chloropropane)	110 U	430	110	1	05/07/19 23:04	5/6/19	
Bis(2-chloroethoxy)methane	98 U	430	98	1	05/07/19 23:04	5/6/19	
Bis(2-chloroethyl) Ether	78 U	430	78	1	05/07/19 23:04	5/6/19	
Bis(2-ethylhexyl) Phthalate	600 U	650	600	1	05/07/19 23:04	5/6/19	
Butyl Benzyl Phthalate	82 U	430	82	1	05/07/19 23:04	5/6/19	
Caprolactam	95 U	430	95	1	05/07/19 23:04	5/6/19	

Client:	Day Environmental, Inc.	**Service Request:**	R1903959
Project:	32 York St/5598S-19	**Date Collected:**	04/30/19 08:28
Sample Matrix:	Soil	**Date Received:**	05/02/19 16:21
Sample Name:	TB-01-32 (2-3)	**Units:**	ug/Kg
Lab Code:	R1903959-002	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3541

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	110	U	430	110	1	05/07/19 23:04	5/6/19	
Chrysene	**610**		430	84	1	05/07/19 23:04	5/6/19	
Di-n-butyl Phthalate	150	U	430	150	1	05/07/19 23:04	5/6/19	
Di-n-octyl Phthalate	130	U	430	130	1	05/07/19 23:04	5/6/19	
Dibenz(a,h)anthracene	**82**	**J**	430	78	1	05/07/19 23:04	5/6/19	
Dibenzofuran	88	U	430	88	1	05/07/19 23:04	5/6/19	
Diethyl Phthalate	240	U	430	240	1	05/07/19 23:04	5/6/19	
Dimethyl Phthalate	120	U	430	120	1	05/07/19 23:04	5/6/19	
Fluoranthene	**1300**		430	110	1	05/07/19 23:04	5/6/19	
Fluorene	110	U	430	110	1	05/07/19 23:04	5/6/19	
Hexachlorobenzene	100	U	430	100	1	05/07/19 23:04	5/6/19	
Hexachlorobutadiene	73	U	430	73	1	05/07/19 23:04	5/6/19	
Hexachlorocyclopentadiene	71	U	430	71	1	05/07/19 23:04	5/6/19	
Hexachloroethane	75	U	430	75	1	05/07/19 23:04	5/6/19	
Indeno(1,2,3-cd)pyrene	**390**	**J**	430	94	1	05/07/19 23:04	5/6/19	
Isophorone	92	U	430	92	1	05/07/19 23:04	5/6/19	
N-Nitrosodi-n-propylamine	78	U	430	78	1	05/07/19 23:04	5/6/19	
N-Nitrosodiphenylamine	200	U	430	200	1	05/07/19 23:04	5/6/19	
Naphthalene	88	U	430	88	1	05/07/19 23:04	5/6/19	
Nitrobenzene	88	U	430	88	1	05/07/19 23:04	5/6/19	
Pentachlorophenol (PCP)	150	U	2200	150	1	05/07/19 23:04	5/6/19	
Phenanthrene	**700**		430	89	1	05/07/19 23:04	5/6/19	
Phenol	94	U	430	94	1	05/07/19 23:04	5/6/19	
Pyrene	**1100**		430	83	1	05/07/19 23:04	5/6/19	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	28	10 - 109	05/07/19 23:04	
2-Fluorobiphenyl	23	10 - 102	05/07/19 23:04	
2-Fluorophenol	18	10 - 88	05/07/19 23:04	
Nitrobenzene-d5	21	10 - 95	05/07/19 23:04	
Phenol-d6	20	10 - 145	05/07/19 23:04	
Terphenyl-d14	35	10 - 106	05/07/19 23:04	

Client:	Day Environmental, Inc.	**Service Request:**	R1903959
Project:	32 York St/5598S-19	**Date Collected:**	04/30/19 09:35
Sample Matrix:	Soil	**Date Received:**	05/02/19 16:21
Sample Name:	TB-02-32 (4-5)	**Units:**	ug/Kg
Lab Code:	R1903959-006	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3541

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	120 U	380	120	1	05/07/19 23:32	5/6/19	
2,3,4,6-Tetrachlorophenol	94 U	380	94	1	05/07/19 23:32	5/6/19	
2,4,5-Trichlorophenol	95 U	380	95	1	05/07/19 23:32	5/6/19	
2,4,6-Trichlorophenol	99 U	380	99	1	05/07/19 23:32	5/6/19	
2,4-Dichlorophenol	79 U	380	79	1	05/07/19 23:32	5/6/19	
2,4-Dimethylphenol	73 U	380	73	1	05/07/19 23:32	5/6/19	
2,4-Dinitrophenol	71 U	2000	71	1	05/07/19 23:32	5/6/19	
2,4-Dinitrotoluene	99 U	380	99	1	05/07/19 23:32	5/6/19	
2,6-Dinitrotoluene	140 U	380	140	1	05/07/19 23:32	5/6/19	
2-Chloronaphthalene	84 U	380	84	1	05/07/19 23:32	5/6/19	
2-Chlorophenol	93 U	380	93	1	05/07/19 23:32	5/6/19	
2-Methylnaphthalene	86 U	380	86	1	05/07/19 23:32	5/6/19	
2-Methylphenol	93 U	380	93	1	05/07/19 23:32	5/6/19	
2-Nitroaniline	110 U	2000	110	1	05/07/19 23:32	5/6/19	
2-Nitrophenol	87 U	380	87	1	05/07/19 23:32	5/6/19	
3,3'-Dichlorobenzidine	120 U	380	120	1	05/07/19 23:32	5/6/19	
3- and 4-Methylphenol Coelution	96 U	380	96	1	05/07/19 23:32	5/6/19	
3-Nitroaniline	83 U	2000	83	1	05/07/19 23:32	5/6/19	
4,6-Dinitro-2-methylphenol	83 U	2000	83	1	05/07/19 23:32	5/6/19	
4-Bromophenyl Phenyl Ether	110 U	380	110	1	05/07/19 23:32	5/6/19	
4-Chloro-3-methylphenol	87 U	380	87	1	05/07/19 23:32	5/6/19	
4-Chloroaniline	46 U	380	46	1	05/07/19 23:32	5/6/19	
4-Chlorophenyl Phenyl Ether	91 U	380	91	1	05/07/19 23:32	5/6/19	
4-Nitroaniline	84 U	2000	84	1	05/07/19 23:32	5/6/19	
4-Nitrophenol	230 U	2000	230	1	05/07/19 23:32	5/6/19	
Acenaphthene	84 U	380	84	1	05/07/19 23:32	5/6/19	
Acenaphthylene	78 U	380	78	1	05/07/19 23:32	5/6/19	
Acetophenone	89 U	380	89	1	05/07/19 23:32	5/6/19	
Anthracene	74 U	380	74	1	05/07/19 23:32	5/6/19	
Atrazine	110 U	380	110	1	05/07/19 23:32	5/6/19	
Benz(a)anthracene	67 U	380	67	1	05/07/19 23:32	5/6/19	
Benzaldehyde	91 U	2000	91	1	05/07/19 23:32	5/6/19	
Benzo(a)pyrene	77 U	380	77	1	05/07/19 23:32	5/6/19	
Benzo(b)fluoranthene	70 U	380	70	1	05/07/19 23:32	5/6/19	
Benzo(g,h,i)perylene	87 U	380	87	1	05/07/19 23:32	5/6/19	
Benzo(k)fluoranthene	86 U	380	86	1	05/07/19 23:32	5/6/19	
Biphenyl	89 U	380	89	1	05/07/19 23:32	5/6/19	
2,2'-Oxybis(1-chloropropane)	94 U	380	94	1	05/07/19 23:32	5/6/19	
Bis(2-chloroethoxy)methane	87 U	380	87	1	05/07/19 23:32	5/6/19	
Bis(2-chloroethyl) Ether	70 U	380	70	1	05/07/19 23:32	5/6/19	
Bis(2-ethylhexyl) Phthalate	530 U	580	530	1	05/07/19 23:32	5/6/19	
Butyl Benzyl Phthalate	73 U	380	73	1	05/07/19 23:32	5/6/19	
Caprolactam	85 U	380	85	1	05/07/19 23:32	5/6/19	

Analytical Report

Client:	Day Environmental, Inc.	**Service Request:**	R1903959
Project:	32 York St/5598S-19	**Date Collected:**	04/30/19 09:35
Sample Matrix:	Soil	**Date Received:**	05/02/19 16:21
Sample Name:	TB-02-32 (4-5)	**Units:**	ug/Kg
Lab Code:	R1903959-006	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3541

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	95 U	380	95	1	05/07/19 23:32	5/6/19	
Chrysene	75 U	380	75	1	05/07/19 23:32	5/6/19	
Di-n-butyl Phthalate	130 U	380	130	1	05/07/19 23:32	5/6/19	
Di-n-octyl Phthalate	120 U	380	120	1	05/07/19 23:32	5/6/19	
Dibenz(a,h)anthracene	69 U	380	69	1	05/07/19 23:32	5/6/19	
Dibenzofuran	78 U	380	78	1	05/07/19 23:32	5/6/19	
Diethyl Phthalate	210 U	380	210	1	05/07/19 23:32	5/6/19	
Dimethyl Phthalate	110 U	380	110	1	05/07/19 23:32	5/6/19	
Fluoranthene	90 U	380	90	1	05/07/19 23:32	5/6/19	
Fluorene	96 U	380	96	1	05/07/19 23:32	5/6/19	
Hexachlorobenzene	89 U	380	89	1	05/07/19 23:32	5/6/19	
Hexachlorobutadiene	65 U	380	65	1	05/07/19 23:32	5/6/19	
Hexachlorocyclopentadiene	63 U	380	63	1	05/07/19 23:32	5/6/19	
Hexachloroethane	67 U	380	67	1	05/07/19 23:32	5/6/19	
Indeno(1,2,3-cd)pyrene	84 U	380	84	1	05/07/19 23:32	5/6/19	
Isophorone	82 U	380	82	1	05/07/19 23:32	5/6/19	
N-Nitrosodi-n-propylamine	69 U	380	69	1	05/07/19 23:32	5/6/19	
N-Nitrosodiphenylamine	170 U	380	170	1	05/07/19 23:32	5/6/19	
Naphthalene	78 U	380	78	1	05/07/19 23:32	5/6/19	
Nitrobenzene	78 U	380	78	1	05/07/19 23:32	5/6/19	
Pentachlorophenol (PCP)	130 U	2000	130	1	05/07/19 23:32	5/6/19	
Phenanthrene	79 U	380	79	1	05/07/19 23:32	5/6/19	
Phenol	84 U	380	84	1	05/07/19 23:32	5/6/19	
Pyrene	74 U	380	74	1	05/07/19 23:32	5/6/19	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	35	10 - 109	05/07/19 23:32	
2-Fluorobiphenyl	26	10 - 102	05/07/19 23:32	
2-Fluorophenol	26	10 - 88	05/07/19 23:32	
Nitrobenzene-d5	27	10 - 95	05/07/19 23:32	
Phenol-d6	25	10 - 145	05/07/19 23:32	
Terphenyl-d14	43	10 - 106	05/07/19 23:32	

Analytical Report

Client:	Day Environmental, Inc.	**Service Request:**	R1903959
Project:	32 York St/5598S-19	**Date Collected:**	04/30/19 10:09
Sample Matrix:	Soil	**Date Received:**	05/02/19 16:21
Sample Name:	TB-03-32 (5-7)	**Units:**	ug/Kg
Lab Code:	R1903959-008	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3541

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	120 U	390	120	1	05/08/19 00:01	5/6/19	
2,3,4,6-Tetrachlorophenol	97 U	390	97	1	05/08/19 00:01	5/6/19	
2,4,5-Trichlorophenol	98 U	390	98	1	05/08/19 00:01	5/6/19	
2,4,6-Trichlorophenol	110 U	390	110	1	05/08/19 00:01	5/6/19	
2,4-Dichlorophenol	81 U	390	81	1	05/08/19 00:01	5/6/19	
2,4-Dimethylphenol	75 U	390	75	1	05/08/19 00:01	5/6/19	
2,4-Dinitrophenol	74 U	2000	74	1	05/08/19 00:01	5/6/19	
2,4-Dinitrotoluene	110 U	390	110	1	05/08/19 00:01	5/6/19	
2,6-Dinitrotoluene	140 U	390	140	1	05/08/19 00:01	5/6/19	
2-Chloronaphthalene	87 U	390	87	1	05/08/19 00:01	5/6/19	
2-Chlorophenol	96 U	390	96	1	05/08/19 00:01	5/6/19	
2-Methylnaphthalene	89 U	390	89	1	05/08/19 00:01	5/6/19	
2-Methylphenol	96 U	390	96	1	05/08/19 00:01	5/6/19	
2-Nitroaniline	120 U	2000	120	1	05/08/19 00:01	5/6/19	
2-Nitrophenol	90 U	390	90	1	05/08/19 00:01	5/6/19	
3,3'-Dichlorobenzidine	130 U	390	130	1	05/08/19 00:01	5/6/19	
3- and 4-Methylphenol Coelution	99 U	390	99	1	05/08/19 00:01	5/6/19	
3-Nitroaniline	85 U	2000	85	1	05/08/19 00:01	5/6/19	
4,6-Dinitro-2-methylphenol	86 U	2000	86	1	05/08/19 00:01	5/6/19	
4-Bromophenyl Phenyl Ether	120 U	390	120	1	05/08/19 00:01	5/6/19	
4-Chloro-3-methylphenol	90 U	390	90	1	05/08/19 00:01	5/6/19	
4-Chloroaniline	47 U	390	47	1	05/08/19 00:01	5/6/19	
4-Chlorophenyl Phenyl Ether	94 U	390	94	1	05/08/19 00:01	5/6/19	
4-Nitroaniline	87 U	2000	87	1	05/08/19 00:01	5/6/19	
4-Nitrophenol	230 U	2000	230	1	05/08/19 00:01	5/6/19	
Acenaphthene	87 U	390	87	1	05/08/19 00:01	5/6/19	
Acenaphthylene	81 U	390	81	1	05/08/19 00:01	5/6/19	
Acetophenone	92 U	390	92	1	05/08/19 00:01	5/6/19	
Anthracene	76 U	390	76	1	05/08/19 00:01	5/6/19	
Atrazine	110 U	390	110	1	05/08/19 00:01	5/6/19	
Benz(a)anthracene	69 U	390	69	1	05/08/19 00:01	5/6/19	
Benzaldehyde	94 U	2000	94	1	05/08/19 00:01	5/6/19	
Benzo(a)pyrene	79 U	390	79	1	05/08/19 00:01	5/6/19	
Benzo(b)fluoranthene	**83 J**	390	72	1	05/08/19 00:01	5/6/19	
Benzo(g,h,i)perylene	90 U	390	90	1	05/08/19 00:01	5/6/19	
Benzo(k)fluoranthene	89 U	390	89	1	05/08/19 00:01	5/6/19	
Biphenyl	92 U	390	92	1	05/08/19 00:01	5/6/19	
2,2'-Oxybis(1-chloropropane)	97 U	390	97	1	05/08/19 00:01	5/6/19	
Bis(2-chloroethoxy)methane	90 U	390	90	1	05/08/19 00:01	5/6/19	
Bis(2-chloroethyl) Ether	72 U	390	72	1	05/08/19 00:01	5/6/19	
Bis(2-ethylhexyl) Phthalate	550 U	600	550	1	05/08/19 00:01	5/6/19	
Butyl Benzyl Phthalate	75 U	390	75	1	05/08/19 00:01	5/6/19	
Caprolactam	88 U	390	88	1	05/08/19 00:01	5/6/19	

Analytical Report

Client:	Day Environmental, Inc.	**Service Request:**	R1903959
Project:	32 York St/5598S-19	**Date Collected:**	04/30/19 10:09
Sample Matrix:	Soil	**Date Received:**	05/02/19 16:21
Sample Name:	TB-03-32 (5-7)	**Units:**	ug/Kg
Lab Code:	R1903959-008	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3541

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	98 U	390	98	1	05/08/19 00:01	5/6/19	
Chrysene	78 U	390	78	1	05/08/19 00:01	5/6/19	
Di-n-butyl Phthalate	140 U	390	140	1	05/08/19 00:01	5/6/19	
Di-n-octyl Phthalate	120 U	390	120	1	05/08/19 00:01	5/6/19	
Dibenz(a,h)anthracene	72 U	390	72	1	05/08/19 00:01	5/6/19	
Dibenzofuran	81 U	390	81	1	05/08/19 00:01	5/6/19	
Diethyl Phthalate	220 U	390	220	1	05/08/19 00:01	5/6/19	
Dimethyl Phthalate	110 U	390	110	1	05/08/19 00:01	5/6/19	
Fluoranthene	**95 J**	390	93	1	05/08/19 00:01	5/6/19	
Fluorene	99 U	390	99	1	05/08/19 00:01	5/6/19	
Hexachlorobenzene	92 U	390	92	1	05/08/19 00:01	5/6/19	
Hexachlorobutadiene	67 U	390	67	1	05/08/19 00:01	5/6/19	
Hexachlorocyclopentadiene	66 U	390	66	1	05/08/19 00:01	5/6/19	
Hexachloroethane	69 U	390	69	1	05/08/19 00:01	5/6/19	
Indeno(1,2,3-cd)pyrene	87 U	390	87	1	05/08/19 00:01	5/6/19	
Isophorone	85 U	390	85	1	05/08/19 00:01	5/6/19	
N-Nitrosodi-n-propylamine	72 U	390	72	1	05/08/19 00:01	5/6/19	
N-Nitrosodiphenylamine	180 U	390	180	1	05/08/19 00:01	5/6/19	
Naphthalene	81 U	390	81	1	05/08/19 00:01	5/6/19	
Nitrobenzene	81 U	390	81	1	05/08/19 00:01	5/6/19	
Pentachlorophenol (PCP)	140 U	2000	140	1	05/08/19 00:01	5/6/19	
Phenanthrene	82 U	390	82	1	05/08/19 00:01	5/6/19	
Phenol	86 U	390	86	1	05/08/19 00:01	5/6/19	
Pyrene	**91 J**	390	77	1	05/08/19 00:01	5/6/19	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	41	10 - 109	05/08/19 00:01	
2-Fluorobiphenyl	28	10 - 102	05/08/19 00:01	
2-Fluorophenol	27	10 - 88	05/08/19 00:01	
Nitrobenzene-d5	28	10 - 95	05/08/19 00:01	
Phenol-d6	27	10 - 145	05/08/19 00:01	
Terphenyl-d14	51	10 - 106	05/08/19 00:01	

Analytical Report

Client:	Day Environmental, Inc.	**Service Request:**	R1903959
Project:	32 York St/5598S-19	**Date Collected:**	04/30/19 09:11
Sample Matrix:	Soil	**Date Received:**	05/02/19 16:21
Sample Name:	TB-04-32 (4-5)	**Units:**	ug/Kg
Lab Code:	R1903959-010	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3541

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	120 U	380	120	1	05/08/19 00:29	5/6/19	
2,3,4,6-Tetrachlorophenol	94 U	380	94	1	05/08/19 00:29	5/6/19	
2,4,5-Trichlorophenol	95 U	380	95	1	05/08/19 00:29	5/6/19	
2,4,6-Trichlorophenol	98 U	380	98	1	05/08/19 00:29	5/6/19	
2,4-Dichlorophenol	78 U	380	78	1	05/08/19 00:29	5/6/19	
2,4-Dimethylphenol	72 U	380	72	1	05/08/19 00:29	5/6/19	
2,4-Dinitrophenol	71 U	2000	71	1	05/08/19 00:29	5/6/19	
2,4-Dinitrotoluene	99 U	380	99	1	05/08/19 00:29	5/6/19	
2,6-Dinitrotoluene	140 U	380	140	1	05/08/19 00:29	5/6/19	
2-Chloronaphthalene	84 U	380	84	1	05/08/19 00:29	5/6/19	
2-Chlorophenol	92 U	380	92	1	05/08/19 00:29	5/6/19	
2-Methylnaphthalene	85 U	380	85	1	05/08/19 00:29	5/6/19	
2-Methylphenol	92 U	380	92	1	05/08/19 00:29	5/6/19	
2-Nitroaniline	110 U	2000	110	1	05/08/19 00:29	5/6/19	
2-Nitrophenol	86 U	380	86	1	05/08/19 00:29	5/6/19	
3,3'-Dichlorobenzidine	120 U	380	120	1	05/08/19 00:29	5/6/19	
3- and 4-Methylphenol Coelution	96 U	380	96	1	05/08/19 00:29	5/6/19	
3-Nitroaniline	82 U	2000	82	1	05/08/19 00:29	5/6/19	
4,6-Dinitro-2-methylphenol	82 U	2000	82	1	05/08/19 00:29	5/6/19	
4-Bromophenyl Phenyl Ether	110 U	380	110	1	05/08/19 00:29	5/6/19	
4-Chloro-3-methylphenol	87 U	380	87	1	05/08/19 00:29	5/6/19	
4-Chloroaniline	46 U	380	46	1	05/08/19 00:29	5/6/19	
4-Chlorophenyl Phenyl Ether	91 U	380	91	1	05/08/19 00:29	5/6/19	
4-Nitroaniline	84 U	2000	84	1	05/08/19 00:29	5/6/19	
4-Nitrophenol	230 U	2000	230	1	05/08/19 00:29	5/6/19	
Acenaphthene	84 U	380	84	1	05/08/19 00:29	5/6/19	
Acenaphthylene	78 U	380	78	1	05/08/19 00:29	5/6/19	
Acetophenone	89 U	380	89	1	05/08/19 00:29	5/6/19	
Anthracene	73 U	380	73	1	05/08/19 00:29	5/6/19	
Atrazine	110 U	380	110	1	05/08/19 00:29	5/6/19	
Benz(a)anthracene	67 U	380	67	1	05/08/19 00:29	5/6/19	
Benzaldehyde	90 U	2000	90	1	05/08/19 00:29	5/6/19	
Benzo(a)pyrene	76 U	380	76	1	05/08/19 00:29	5/6/19	
Benzo(b)fluoranthene	69 U	380	69	1	05/08/19 00:29	5/6/19	
Benzo(g,h,i)perylene	87 U	380	87	1	05/08/19 00:29	5/6/19	
Benzo(k)fluoranthene	85 U	380	85	1	05/08/19 00:29	5/6/19	
Biphenyl	89 U	380	89	1	05/08/19 00:29	5/6/19	
2,2'-Oxybis(1-chloropropane)	93 U	380	93	1	05/08/19 00:29	5/6/19	
Bis(2-chloroethoxy)methane	87 U	380	87	1	05/08/19 00:29	5/6/19	
Bis(2-chloroethyl) Ether	69 U	380	69	1	05/08/19 00:29	5/6/19	
Bis(2-ethylhexyl) Phthalate	530 U	570	530	1	05/08/19 00:29	5/6/19	
Butyl Benzyl Phthalate	73 U	380	73	1	05/08/19 00:29	5/6/19	
Caprolactam	84 U	380	84	1	05/08/19 00:29	5/6/19	

Analytical Report

Client:	Day Environmental, Inc.	**Service Request:**	R1903959
Project:	32 York St/5598S-19	**Date Collected:**	04/30/19 09:11
Sample Matrix:	Soil	**Date Received:**	05/02/19 16:21
Sample Name:	TB-04-32 (4-5)	**Units:**	ug/Kg
Lab Code:	R1903959-010	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3541

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	94 U	380	94	1	05/08/19 00:29	5/6/19	
Chrysene	75 U	380	75	1	05/08/19 00:29	5/6/19	
Di-n-butyl Phthalate	130 U	380	130	1	05/08/19 00:29	5/6/19	
Di-n-octyl Phthalate	120 U	380	120	1	05/08/19 00:29	5/6/19	
Dibenz(a,h)anthracene	69 U	380	69	1	05/08/19 00:29	5/6/19	
Dibenzofuran	78 U	380	78	1	05/08/19 00:29	5/6/19	
Diethyl Phthalate	210 U	380	210	1	05/08/19 00:29	5/6/19	
Dimethyl Phthalate	110 U	380	110	1	05/08/19 00:29	5/6/19	
Fluoranthene	89 U	380	89	1	05/08/19 00:29	5/6/19	
Fluorene	95 U	380	95	1	05/08/19 00:29	5/6/19	
Hexachlorobenzene	89 U	380	89	1	05/08/19 00:29	5/6/19	
Hexachlorobutadiene	64 U	380	64	1	05/08/19 00:29	5/6/19	
Hexachlorocyclopentadiene	63 U	380	63	1	05/08/19 00:29	5/6/19	
Hexachloroethane	66 U	380	66	1	05/08/19 00:29	5/6/19	
Indeno(1,2,3-cd)pyrene	84 U	380	84	1	05/08/19 00:29	5/6/19	
Isophorone	82 U	380	82	1	05/08/19 00:29	5/6/19	
N-Nitrosodi-n-propylamine	69 U	380	69	1	05/08/19 00:29	5/6/19	
N-Nitrosodiphenylamine	170 U	380	170	1	05/08/19 00:29	5/6/19	
Naphthalene	78 U	380	78	1	05/08/19 00:29	5/6/19	
Nitrobenzene	78 U	380	78	1	05/08/19 00:29	5/6/19	
Pentachlorophenol (PCP)	130 U	2000	130	1	05/08/19 00:29	5/6/19	
Phenanthrene	79 U	380	79	1	05/08/19 00:29	5/6/19	
Phenol	83 U	380	83	1	05/08/19 00:29	5/6/19	
Pyrene	74 U	380	74	1	05/08/19 00:29	5/6/19	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	40	10 - 109	05/08/19 00:29	
2-Fluorobiphenyl	26	10 - 102	05/08/19 00:29	
2-Fluorophenol	20	10 - 88	05/08/19 00:29	
Nitrobenzene-d5	21	10 - 95	05/08/19 00:29	
Phenol-d6	22	10 - 145	05/08/19 00:29	
Terphenyl-d14	41	10 - 106	05/08/19 00:29	

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973D\Data\050719\
Data File : BR684.D
Acq On : 7 May 2019 11:04 pm
Operator : JMisiurewicz
Sample : R1903959-002
Misc : 335967 8270D SOIL
ALS Vial : 24 Sample Multiplier: 1

Quant Time: May 08 11:02:20 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 08 10:59:50 2019
Response via : Initial Calibration

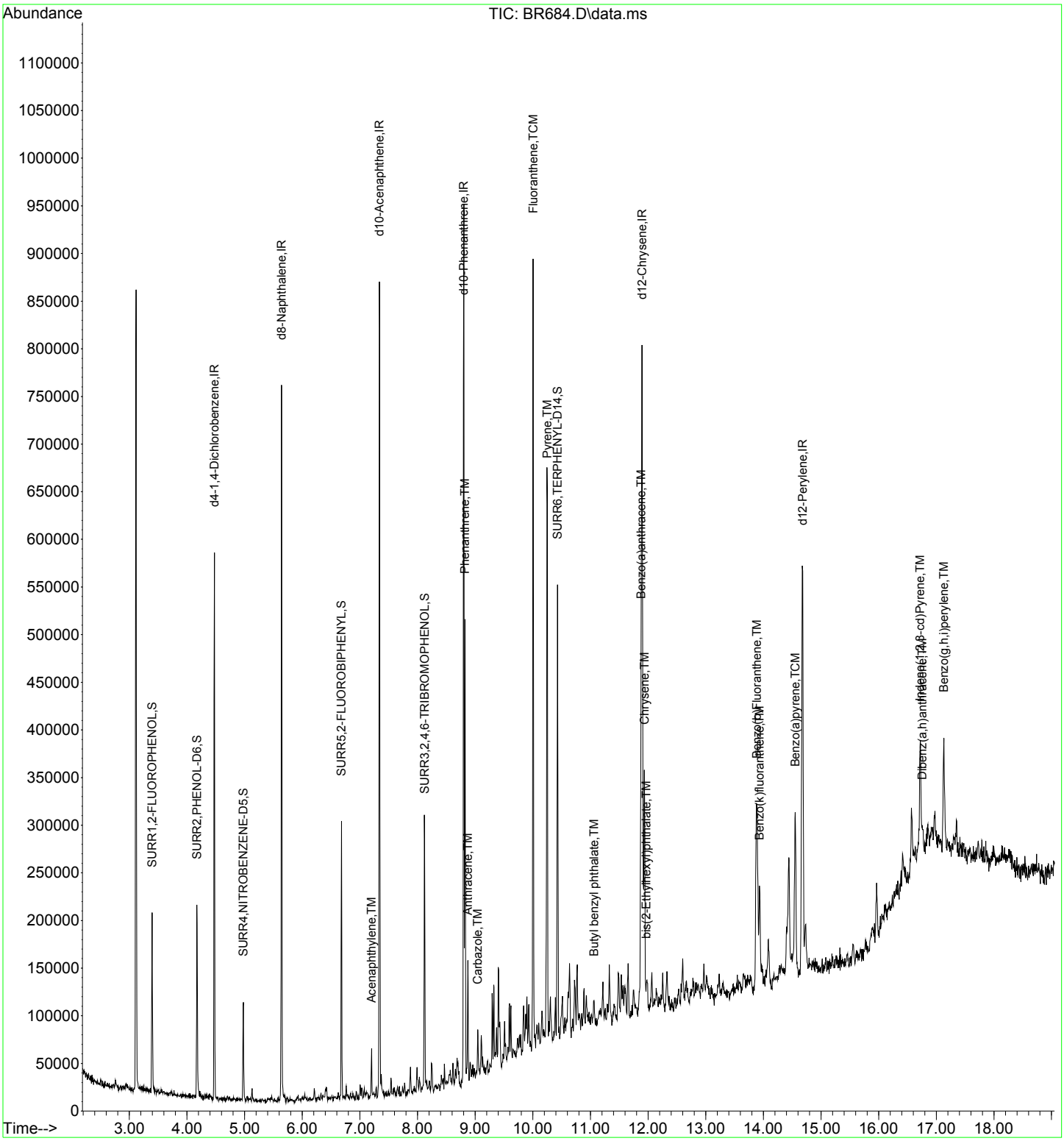
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.476	152	74329	40.00	ppm	0.00
33) d8-Naphthalene	5.642	136	275277	40.00	ppm	0.00
57) d10-Acenaphthene	7.338	164	164677	40.00	ppm	0.00
91) d10-Phenanthrene	8.803	188	292886	40.00	ppm	0.00
117) d12-Chrysene	11.895	240	294249	40.00	ppm	0.00
135) d12-Perylene	14.681	264	287703	40.00	ppm	0.03
System Monitoring Compounds						
7) SURR1,2-FLUOROPHENOL	3.396	112	47706	18.24	ppm	0.01
Spiked Amount 200.000	Range 10 - 88		Recovery = 9.12%#			
12) SURR2,PHENOL-D6	4.171	99	65605	20.22	ppm	0.00
Spiked Amount 200.000	Range 10 - 145		Recovery = 10.11%			
34) SURR4,NITROBENZENE-D5	4.979	82	30262	10.67	ppm	0.00
Spiked Amount 100.000	Range 10 - 95		Recovery = 10.67%			
63) SURR5,2-FLUOROBIPHENYL	6.680	172	73420	11.37	ppm	0.00
Spiked Amount 100.000	Range 10 - 102		Recovery = 11.37%			
88) SURR3,2,4,6-TRIBROMOPH...	8.124	330	33357	27.95	ppm	0.00
Spiked Amount 200.000	Range 10 - 109		Recovery = 13.97%			
124) SURR6,TERPHENYL-D14	10.429	244	129730	17.61	ppm	0.00
Spiked Amount 100.000	Range 10 - 106		Recovery = 17.61%			
Target Compounds						Qvalue
70) Acenaphthylene	7.204	152	19553	2.235	ppm	95
111) Phenanthrene	8.825	178	154328	16.255	ppm	98
112) Anthracene	8.873	178	40762	4.373	ppm	94
113) Carbazole	9.044	167	14757	1.670	ppm	97
116) Fluoranthene	10.007	202	303512	29.124	ppm	99
123) Pyrene	10.253	202	263403	25.497	ppm	98
128) Butyl benzyl phthalate	11.066	149	7571	1.461	ppm	80
132) Benzo(a)anthracene	11.879	228	141810	14.482	ppm	94
133) Chrysene	11.937	228	130644	14.047	ppm	96
134) bis(2-Ethylhexyl)phtha...	11.970	149	15826	2.115	ppm	78
138) Benzo(b)Fluoranthene	13.884	252	168634	16.922	ppm	97
139) Benzo(k)fluoranthene	13.932	252	59634	6.411	ppm	95
140) Benzo(a)pyrene	14.553	252	111327	13.408	ppm	95
142) Indeno(1,2,3-cd)Pyrene	16.719	276	77267	9.095	ppm	85
143) Dibenz(a,h)anthracene	16.757	278	17215	1.902	ppm	85
144) Benzo(g,h,i)perylene	17.131	276	72196	9.663	ppm	89

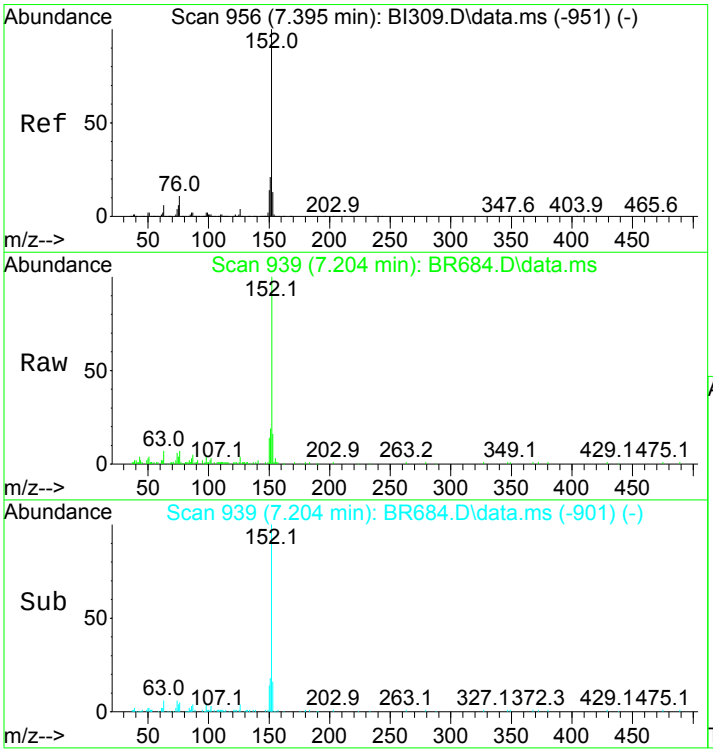
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973D\Data\050719\
Data File : BR684.D
Acq On : 7 May 2019 11:04 pm
Operator : JMisiurewicz
Sample : R1903959-002
Misc : 335967 8270D SOIL
ALS Vial : 24 Sample Multiplier: 1

Quant Time: May 08 11:02:20 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 08 10:59:50 2019
Response via : Initial Calibration

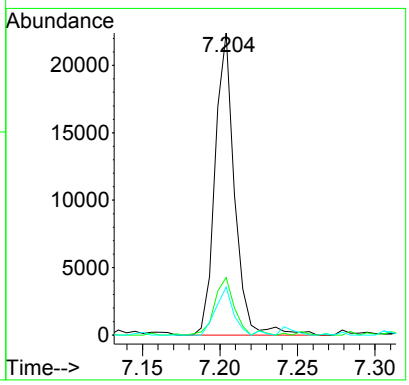


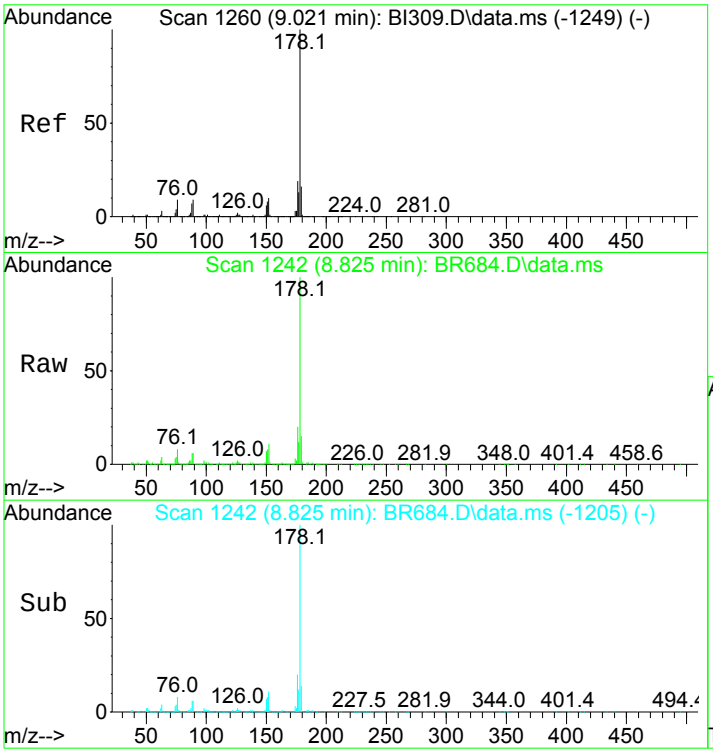


#70
Acenaphthylene
Concen: 2.23 ppm
RT: 7.204 min Scan# 939
Delta R.T. 0.005 min
Lab File: BR684.D
Acq: 7 May 2019 11:04 pm

Tgt Ion:152 Resp: 19553

Ion	Ratio	Lower	Upper
152	100		
151	18.9	0.2	40.2
153	15.6	0.0	32.8

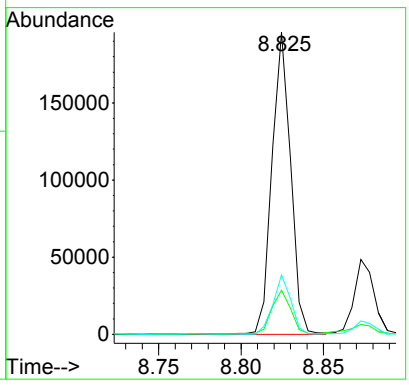


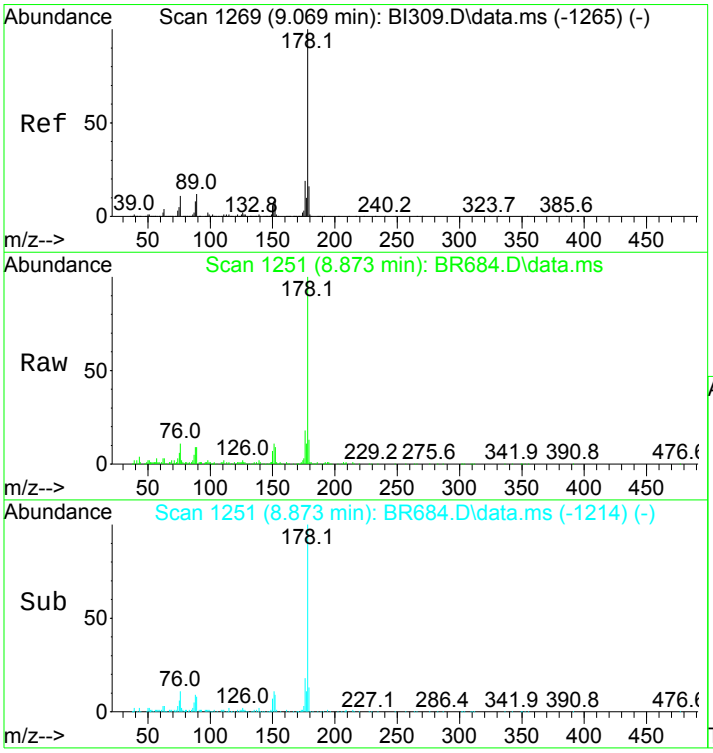


#111
Phenanthrene
Concen: 16.25 ppm
RT: 8.825 min Scan# 1242
Delta R.T. 0.000 min
Lab File: BR684.D
Acq: 7 May 2019 11:04 pm

Tgt Ion:178 Resp: 154328

Ion	Ratio	Lower	Upper
178	100		
179	14.3	0.0	35.2
176	19.6	0.0	39.1

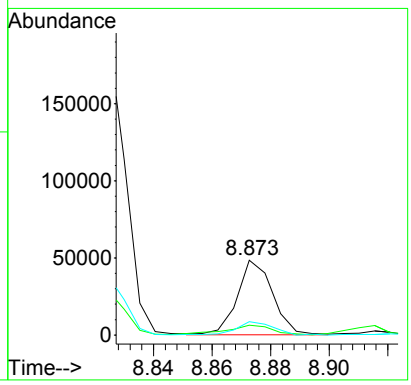


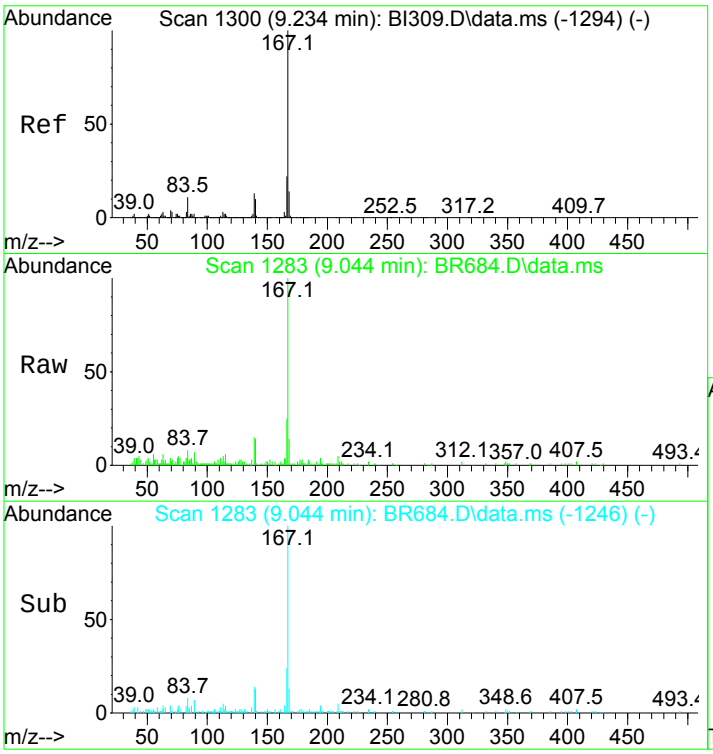


#112
Anthracene
Concen: 4.37 ppm
RT: 8.873 min Scan# 1251
Delta R.T. 0.000 min
Lab File: BR684.D
Acq: 7 May 2019 11:04 pm

Tgt Ion:178 Resp: 40762

Ion	Ratio	Lower	Upper
178	100		
179	11.1	0.0	35.6
176	17.6	0.0	38.5

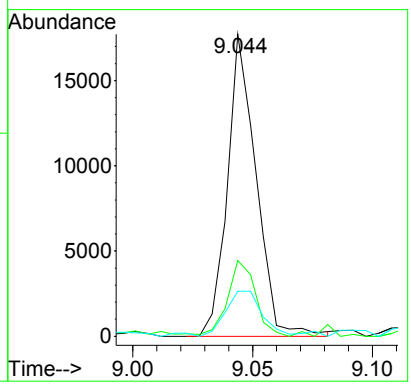


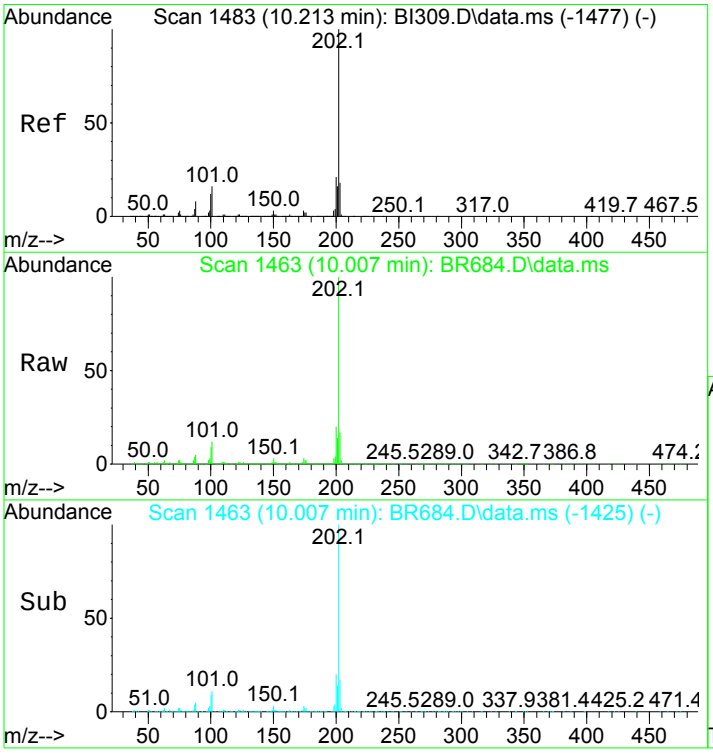


#113
Carbazole
Concen: 1.67 ppm
RT: 9.044 min Scan# 1283
Delta R.T. 0.000 min
Lab File: BR684.D
Acq: 7 May 2019 11:04 pm

Tgt Ion:167 Resp: 14757

Ion	Ratio	Lower	Upper
167	100		
166	22.8	1.8	41.8
139	14.5	0.0	33.2

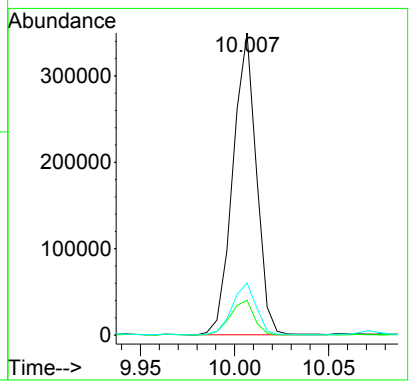


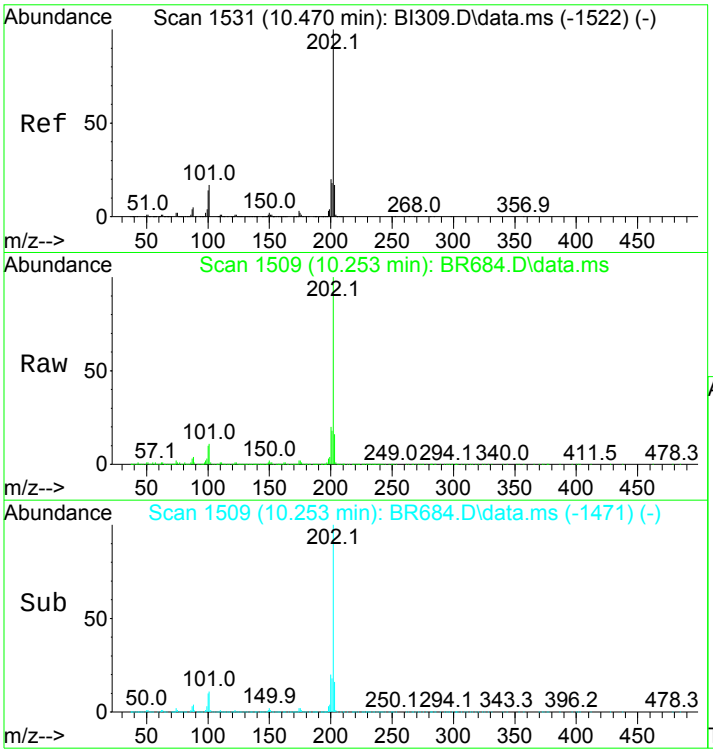


#116
Fluoranthene
Concen: 29.12 ppm
RT: 10.007 min Scan# 1463
Delta R.T. 0.005 min
Lab File: BR684.D
Acq: 7 May 2019 11:04 pm

Tgt Ion:202 Resp: 303512

Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	32.2
203	17.2	0.0	37.3

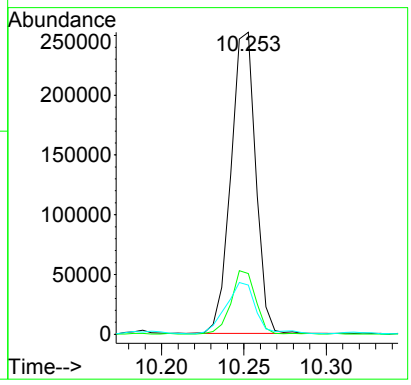


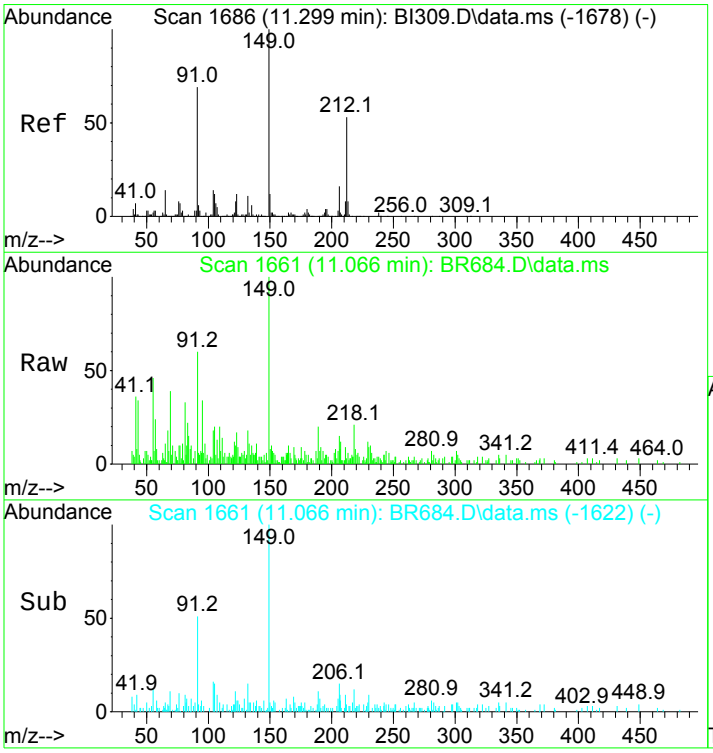


#123
Pyrene
Concen: 25.50 ppm
RT: 10.253 min Scan# 1509
Delta R.T. 0.005 min
Lab File: BR684.D
Acq: 7 May 2019 11:04 pm

Tgt Ion:202 Resp: 263403

Ion	Ratio	Lower	Upper
202	100		
200	20.1	0.8	40.8
203	16.1	0.0	37.5

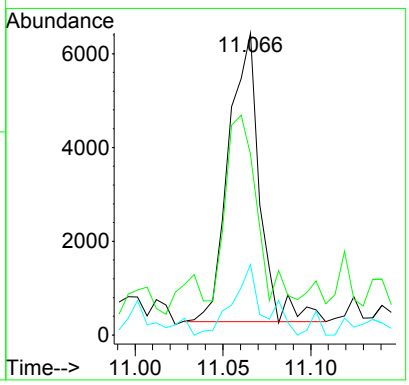


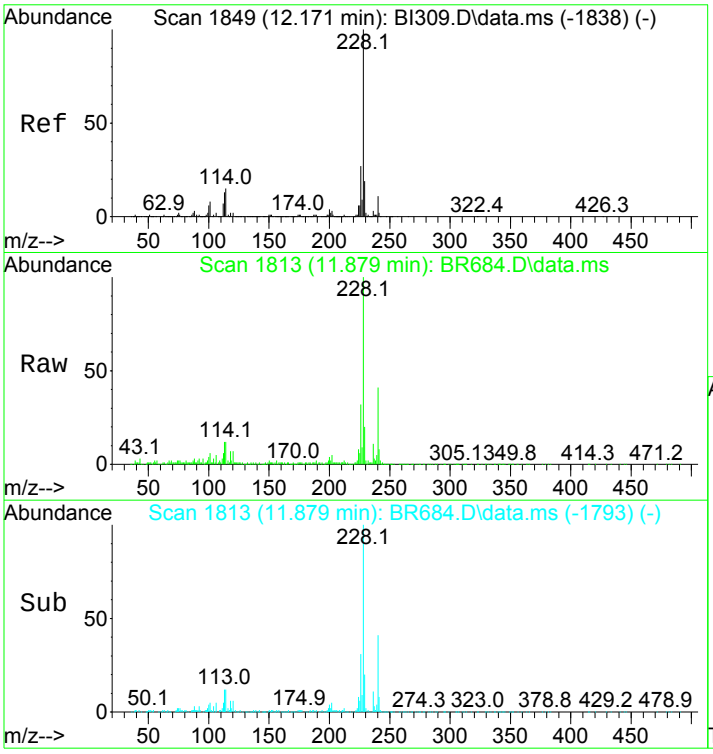


#128
Butyl benzyl phthalate
Concen: 1.46 ppm
RT: 11.066 min Scan# 1661
Delta R.T. 0.011 min
Lab File: BR684.D
Acq: 7 May 2019 11:04 pm

Tgt Ion:149 Resp: 7571

Ion	Ratio	Lower	Upper
149	100		
91	48.5	47.1	87.1
206	21.6	0.0	37.3

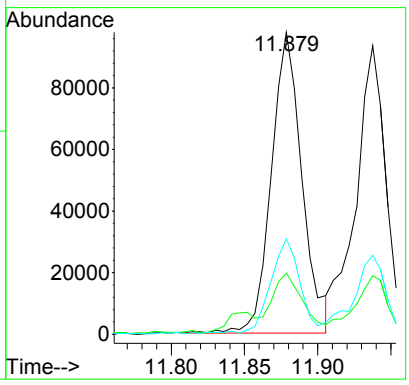


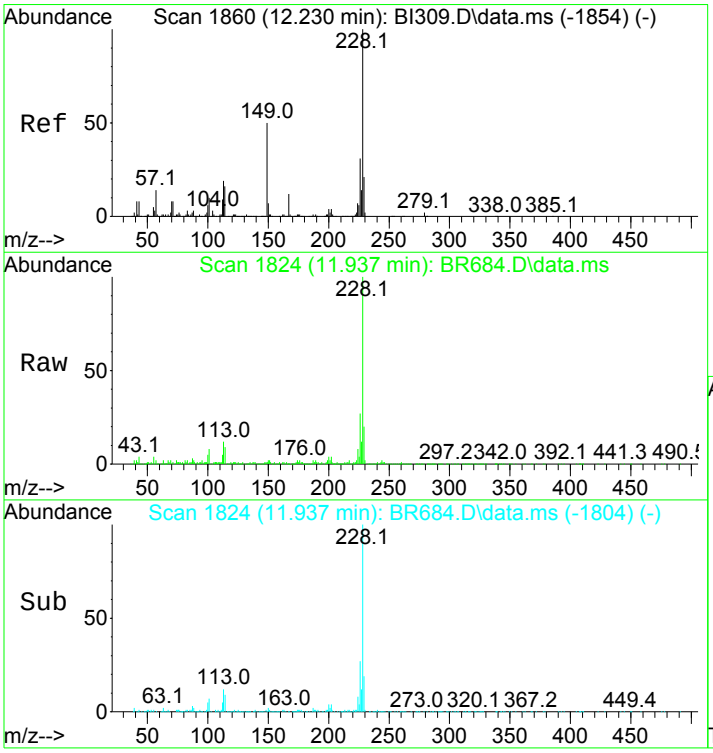


#132
Benzo(a)anthracene
Concen: 14.48 ppm
RT: 11.879 min Scan# 1813
Delta R.T. 0.005 min
Lab File: BR684.D
Acq: 7 May 2019 11:04 pm

Tgt Ion:228 Resp: 141810

Ion	Ratio	Lower	Upper
228	100		
229	19.5	0.0	39.4
226	31.6	6.5	46.5

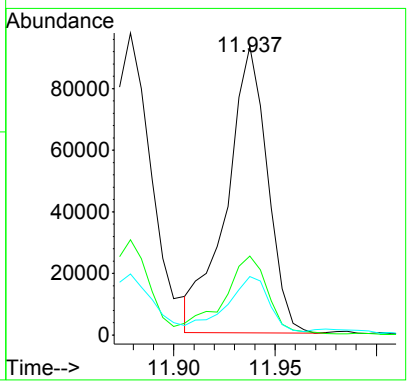


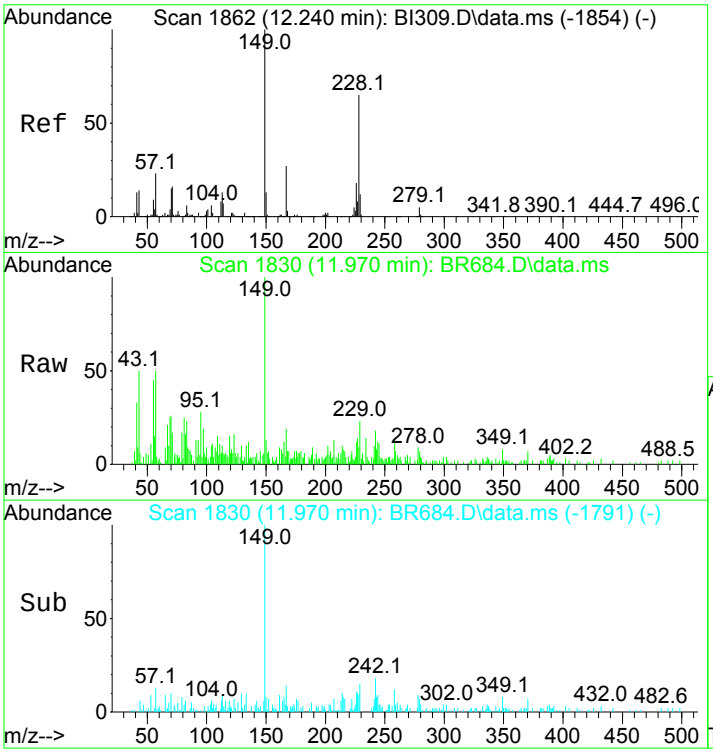


#133
Chrysene
Concen: 14.05 ppm
RT: 11.937 min Scan# 1824
Delta R.T. 0.005 min
Lab File: BR684.D
Acq: 7 May 2019 11:04 pm

Tgt Ion:228 Resp: 130644

Ion	Ratio	Lower	Upper
228	100		
226	26.9	9.5	49.5
229	18.9	0.0	40.0

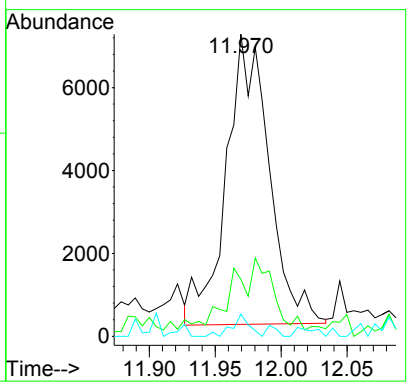


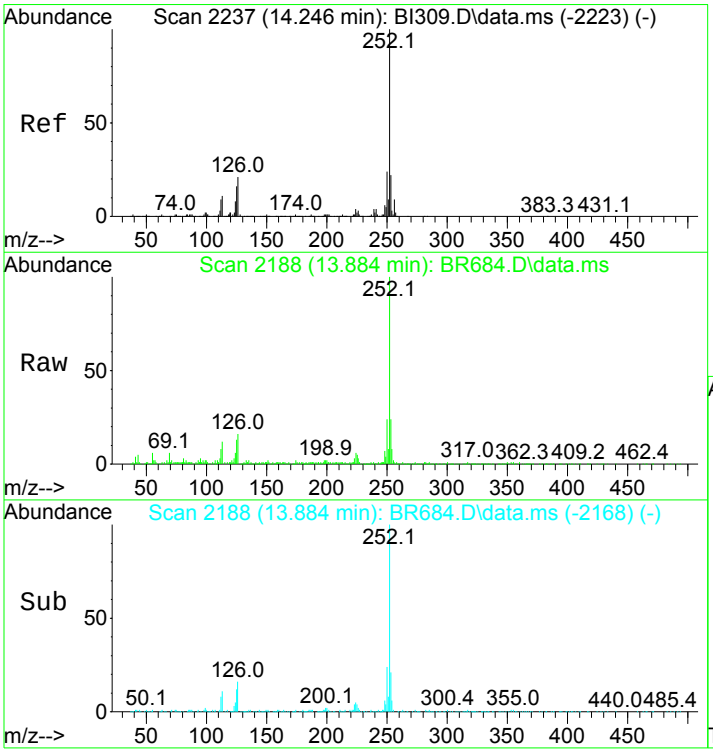


#134
bis(2-Ethylhexyl)phthalate
Concen: 2.12 ppm
RT: 11.970 min Scan# 1830
Delta R.T. 0.011 min
Lab File: BR684.D
Acq: 7 May 2019 11:04 pm

Tgt Ion:149 Resp: 15826

Ion	Ratio	Lower	Upper
149	100		
167	13.7	6.8	46.8
279	5.8	0.0	24.7

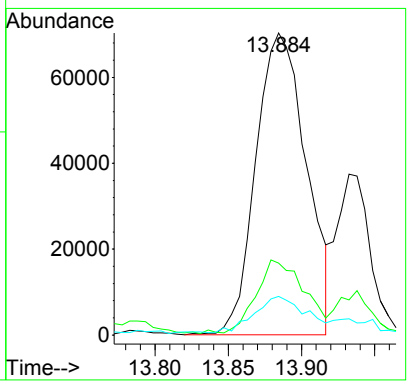


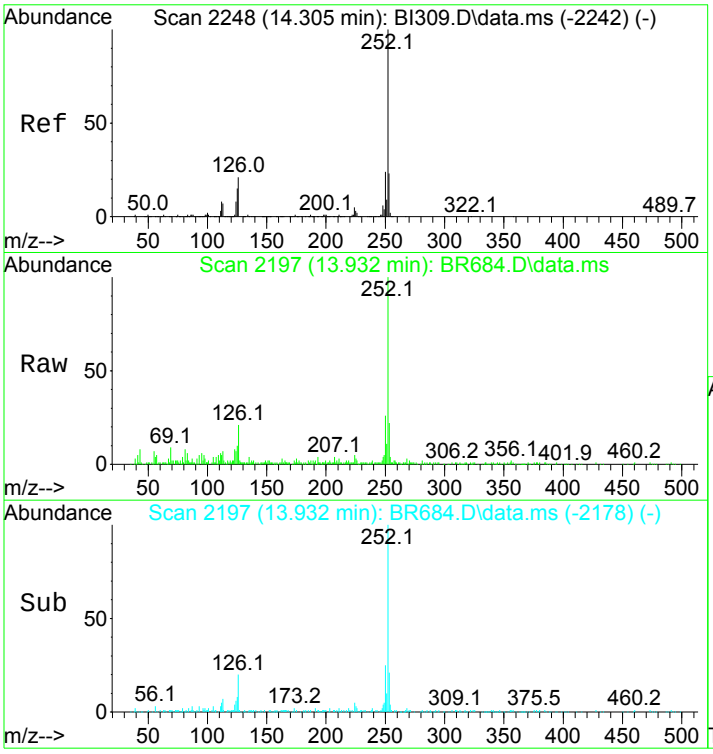


#138
Benzo(b)Fluoranthene
Concen: 16.92 ppm
RT: 13.884 min Scan# 2188
Delta R.T. 0.005 min
Lab File: BR684.D
Acq: 7 May 2019 11:04 pm

Tgt Ion:252 Resp: 168634

Ion	Ratio	Lower	Upper
252	100		
253	23.6	3.9	43.9
125	12.1	0.0	35.4

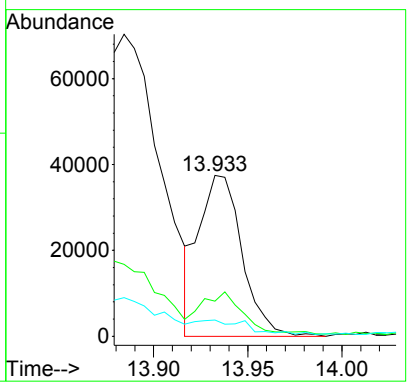


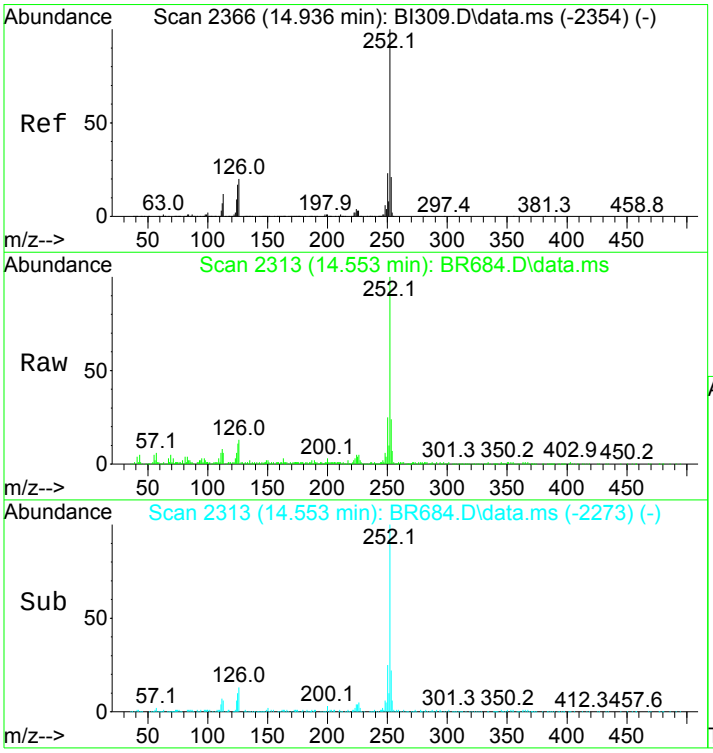


#139
Benzo(k)fluoranthene
Concen: 6.41 ppm
RT: 13.932 min Scan# 2197
Delta R.T. 0.000 min
Lab File: BR684.D
Acq: 7 May 2019 11:04 pm

Tgt Ion:252 Resp: 59634

Ion	Ratio	Lower	Upper
252	100		
253	20.7	1.0	41.0
125	7.8	0.0	32.9

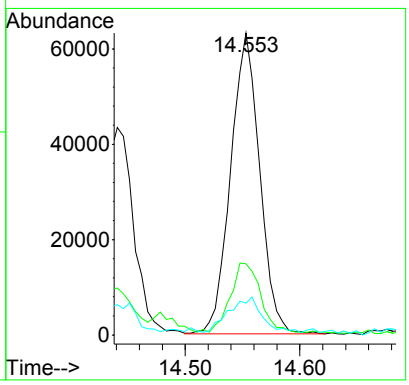


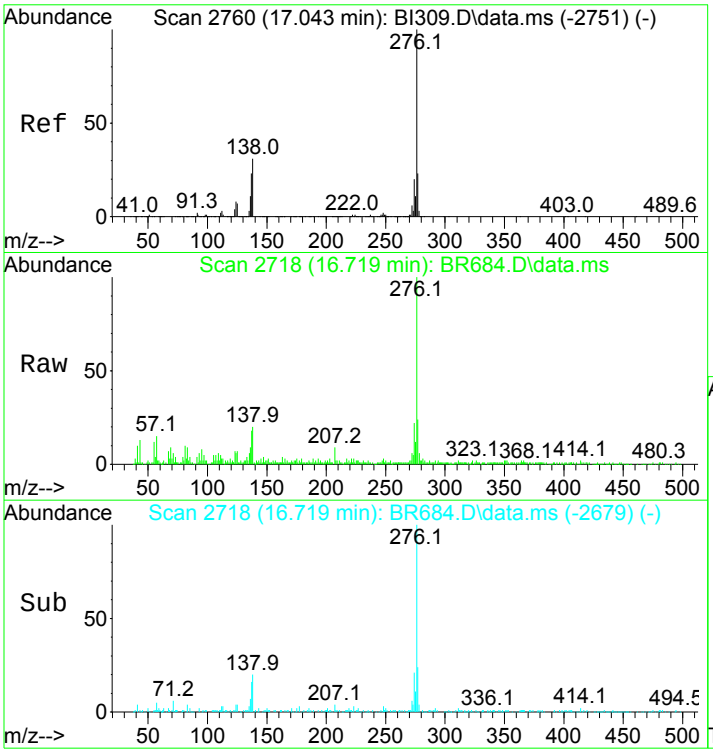


#140
Benzo(a)pyrene
Concen: 13.41 ppm
RT: 14.553 min Scan# 2313
Delta R.T. 0.016 min
Lab File: BR684.D
Acq: 7 May 2019 11:04 pm

Tgt Ion:252 Resp: 111327

Ion	Ratio	Lower	Upper
252	100		
253	21.8	2.8	42.8
125	9.4	0.0	33.6

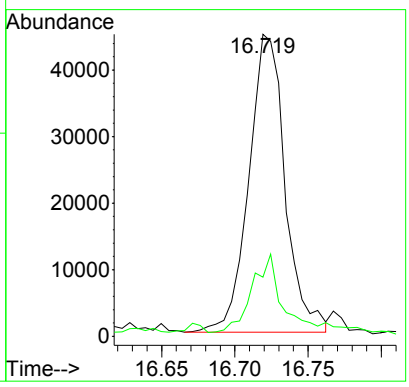


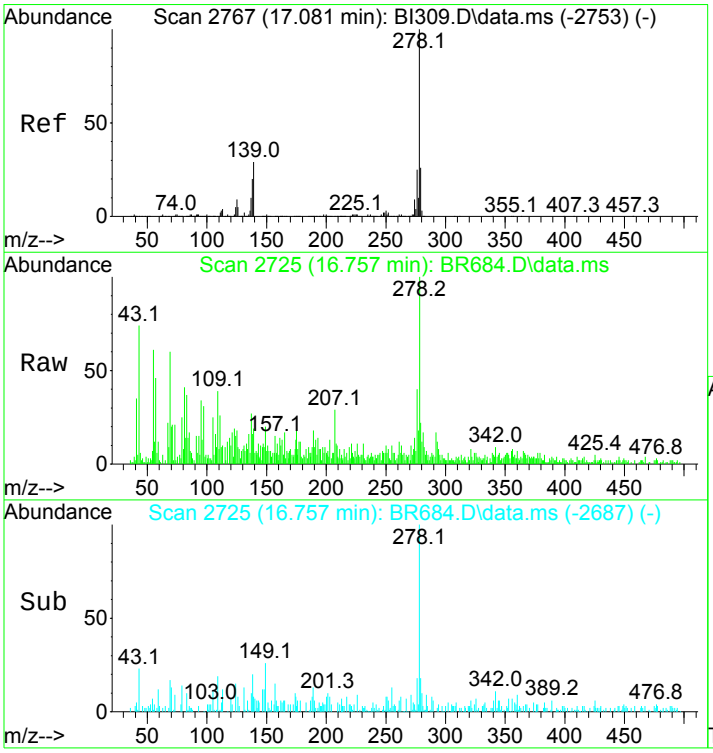


#142
Indeno(1,2,3-cd)Pyrene
Concen: 9.10 ppm
RT: 16.719 min Scan# 2718
Delta R.T. 0.011 min
Lab File: BR684.D
Acq: 7 May 2019 11:04 pm

Tgt Ion:276 Resp: 77267

Ion	Ratio	Lower	Upper
276	100		
138	16.9	4.3	44.3

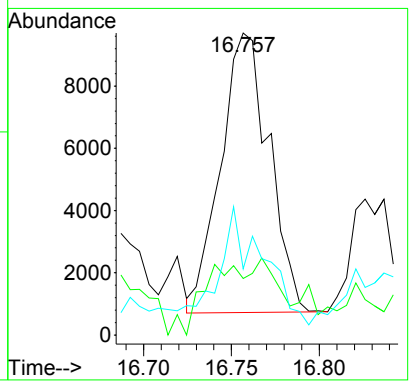


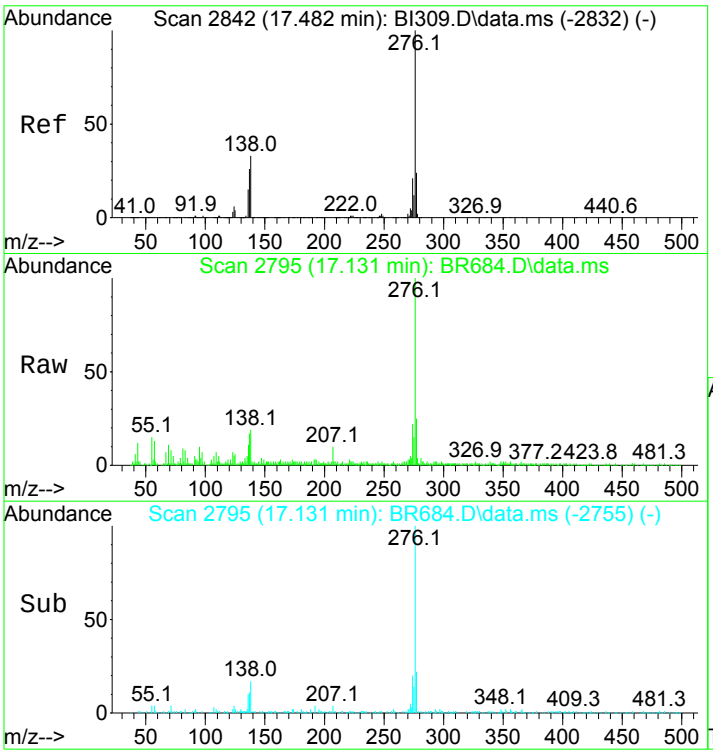


#143
Dibenz(a,h)anthracene
Concen: 1.90 ppm
RT: 16.757 min Scan# 2725
Delta R.T. 0.005 min
Lab File: BR684.D
Acq: 7 May 2019 11:04 pm

Tgt Ion:278 Resp: 17215

Ion	Ratio	Lower	Upper
278	100		
139	15.6	0.3	40.3
279	15.2	4.3	44.3

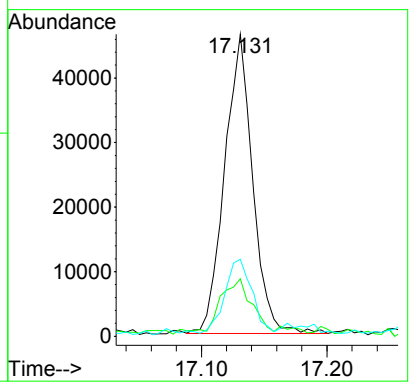




#144
Benzo(g,h,i)perylene
Concen: 9.66 ppm
RT: 17.131 min Scan# 2795
Delta R.T. 0.016 min
Lab File: BR684.D
Acq: 7 May 2019 11:04 pm

Tgt Ion:276 Resp: 72196

Ion	Ratio	Lower	Upper
276	100		
138	17.1	7.9	47.9
277	24.0	4.3	44.3



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973D\Data\050719\
Data File : BR685.D
Acq On : 7 May 2019 11:32 pm
Operator : JMisiurewicz
Sample : R1903959-006
Misc : 335967 8270D SOIL
ALS Vial : 25 Sample Multiplier: 1

Quant Time: May 08 11:02:27 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 08 10:59:50 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.476	152	60888	40.00	ppm	0.00
33) d8-Naphthalene	5.642	136	232417	40.00	ppm	0.00
57) d10-Acenaphthene	7.338	164	141398	40.00	ppm	0.00
91) d10-Phenanthrene	8.803	188	246452	40.00	ppm	0.00
117) d12-Chrysene	11.889	240	258268	40.00	ppm	0.00
135) d12-Perylene	14.676	264	259511	40.00	ppm	0.02
System Monitoring Compounds						
7) SURR1,2-FLUOROPHENOL	3.396	112	55026	25.69	ppm	0.01
Spiked Amount 200.000	Range 10 - 88		Recovery = 12.85%			
12) SURR2,PHENOL-D6	4.171	99	67008	25.21	ppm	0.00
Spiked Amount 200.000	Range 10 - 145		Recovery = 12.61%			
34) SURR4,NITROBENZENE-D5	4.979	82	31850	13.30	ppm	0.00
Spiked Amount 100.000	Range 10 - 95		Recovery = 13.30%			
63) SURR5,2-FLUOROBIPHENYL	6.680	172	73202	13.21	ppm	0.00
Spiked Amount 100.000	Range 10 - 102		Recovery = 13.21%			
88) SURR3,2,4,6-TRIBROMOPH...	8.124	330	35915	35.05	ppm	0.00
Spiked Amount 200.000	Range 10 - 109		Recovery = 17.52%			
124) SURR6,TERPHENYL-D14	10.429	244	140328	21.70	ppm	0.00
Spiked Amount 100.000	Range 10 - 106		Recovery = 21.70%			

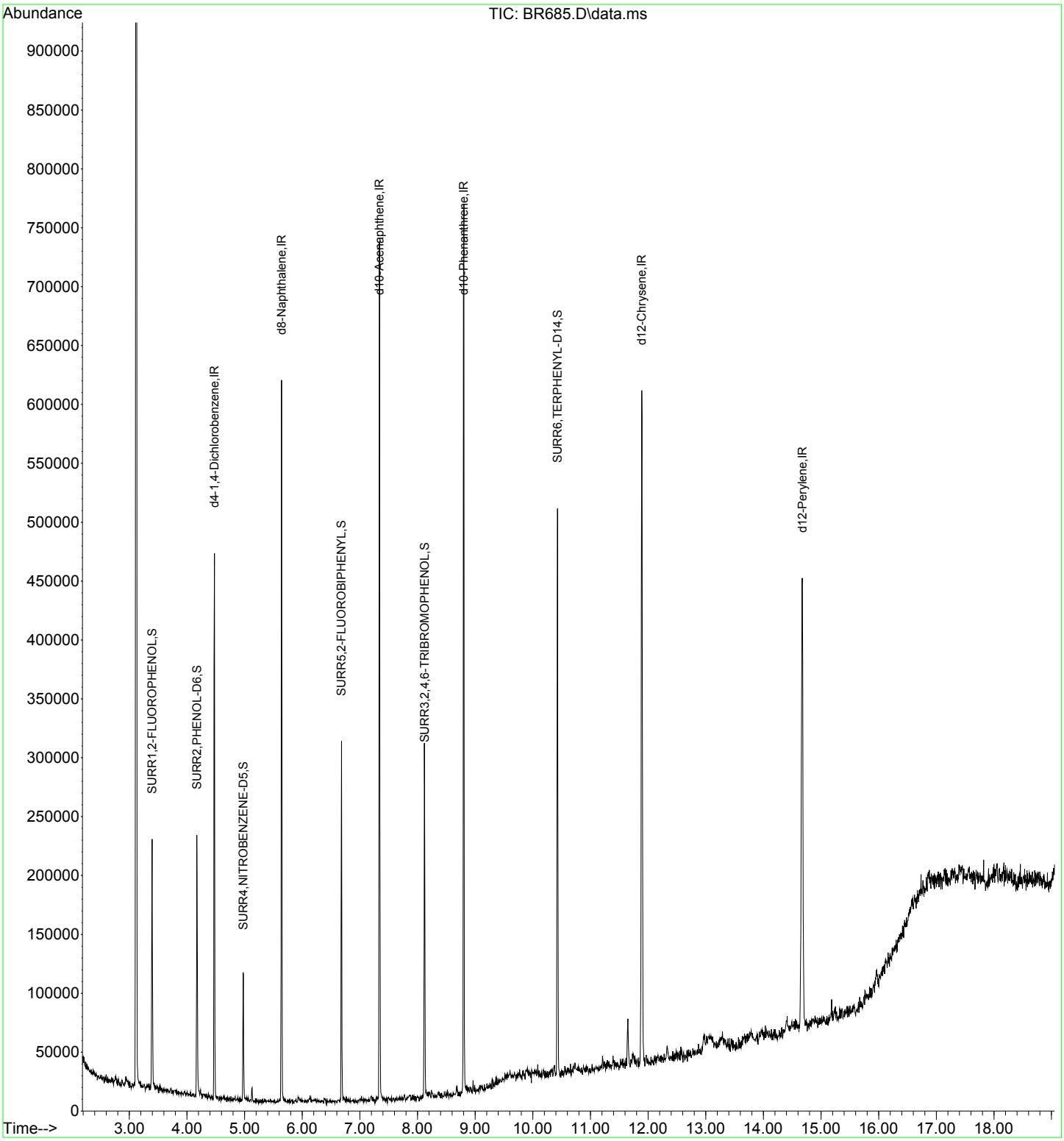
Target Compounds Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973D\Data\050719\
Data File : BR685.D
Acq On : 7 May 2019 11:32 pm
Operator : JMisiurewicz
Sample : R1903959-006
Misc : 335967 8270D SOIL
ALS Vial : 25 Sample Multiplier: 1

Quant Time: May 08 11:02:27 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 08 10:59:50 2019
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973D\Data\050719\
Data File : BR686.D
Acq On : 8 May 2019 12:01 am
Operator : JMisiurewicz
Sample : R1903959-008
Misc : 335967 8270D SOIL
ALS Vial : 26 Sample Multiplier: 1

Quant Time: May 08 11:02:33 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 08 10:59:50 2019
Response via : Initial Calibration

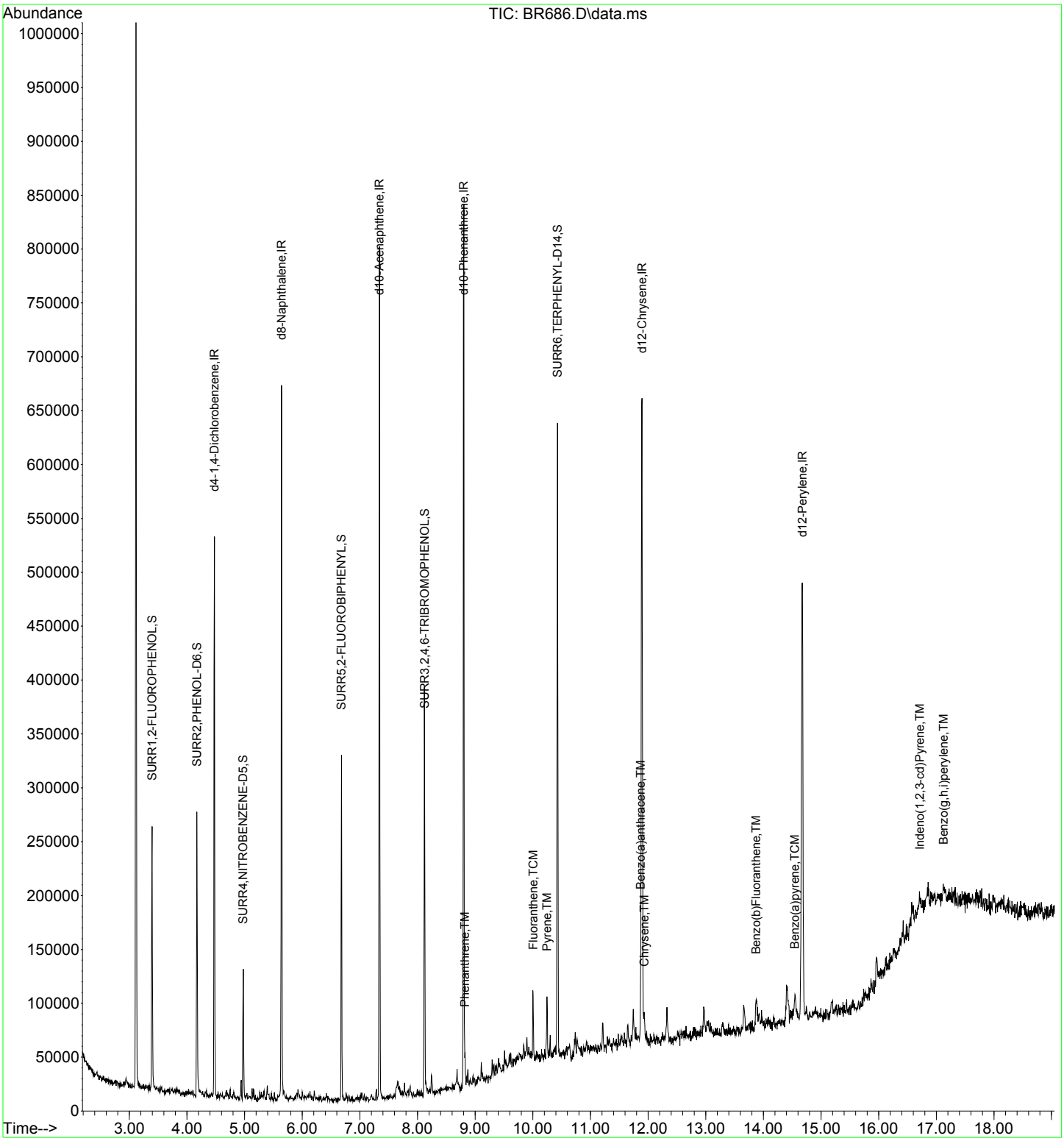
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.476	152	70793	40.00	ppm	0.00
33) d8-Naphthalene	5.642	136	255062	40.00	ppm	0.00
57) d10-Acenaphthene	7.338	164	150658	40.00	ppm	0.00
91) d10-Phenanthrene	8.803	188	273527	40.00	ppm	0.00
117) d12-Chrysene	11.895	240	277092	40.00	ppm	0.00
135) d12-Perylene	14.676	264	274599	40.00	ppm	0.02
System Monitoring Compounds						
7) SURR1,2-FLUOROPHENOL	3.396	112	66511	26.71	ppm	0.01
Spiked Amount 200.000	Range 10 - 88		Recovery = 13.36%			
12) SURR2,PHENOL-D6	4.171	99	82513	26.70	ppm	0.00
Spiked Amount 200.000	Range 10 - 145		Recovery = 13.35%			
34) SURR4,NITROBENZENE-D5	4.974	82	36353	13.83	ppm	0.00
Spiked Amount 100.000	Range 10 - 95		Recovery = 13.83%			
63) SURR5,2-FLUOROBIPHENYL	6.680	172	83103	14.07	ppm	0.00
Spiked Amount 100.000	Range 10 - 102		Recovery = 14.07%			
88) SURR3,2,4,6-TRIBROMOPH...	8.124	330	44662	40.91	ppm	0.00
Spiked Amount 200.000	Range 10 - 109		Recovery = 20.45%			
124) SURR6,TERPHENYL-D14	10.429	244	175690	25.32	ppm	0.00
Spiked Amount 100.000	Range 10 - 106		Recovery = 25.32%			
Target Compounds						Qvalue
111) Phenanthrene	8.825	178	9149	1.032	ppm	98
116) Fluoranthene	10.007	202	23236	2.387	ppm	95
123) Pyrene	10.247	202	22311	2.293	ppm	97
132) Benzo(a)anthracene	11.873	228	14653	1.589	ppm	95
133) Chrysene	11.932	228	14863	1.697	ppm	86
138) Benzo(b)Fluoranthene	13.874	252	19945	2.097	ppm	89
140) Benzo(a)pyrene	14.548	252	13307	1.679	ppm	75
142) Indeno(1,2,3-cd)Pyrene	16.714	276	8726	1.076	ppm	96
144) Benzo(g,h,i)perylene	17.126	276	7959	1.116	ppm	68

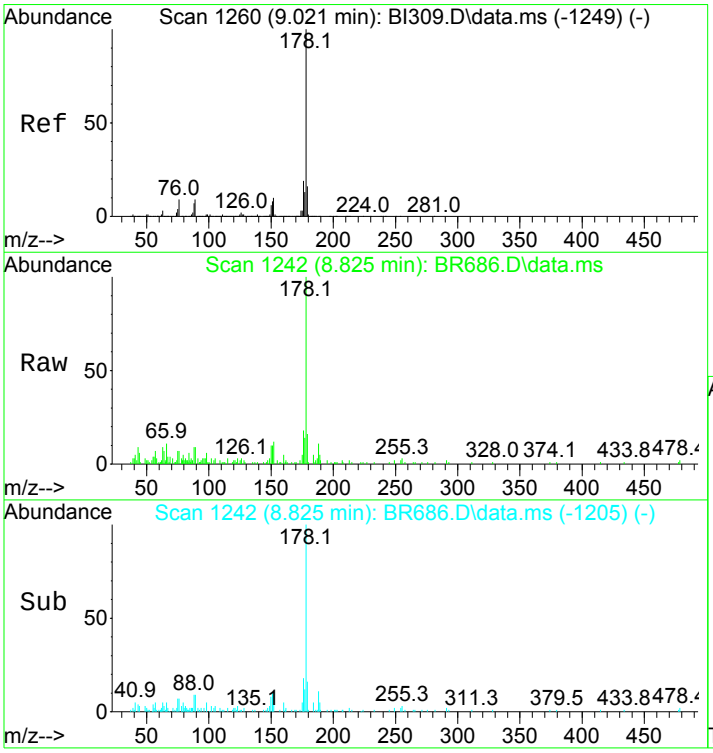
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973D\Data\050719\
Data File : BR686.D
Acq On : 8 May 2019 12:01 am
Operator : JMisiurewicz
Sample : R1903959-008
Misc : 335967 8270D SOIL
ALS Vial : 26 Sample Multiplier: 1

Quant Time: May 08 11:02:33 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 08 10:59:50 2019
Response via : Initial Calibration

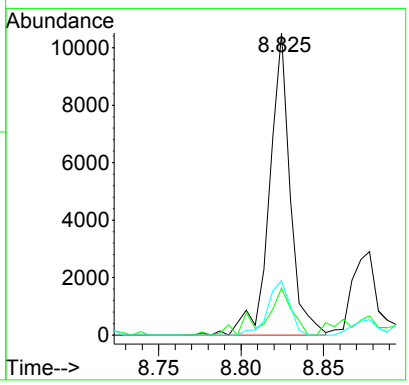


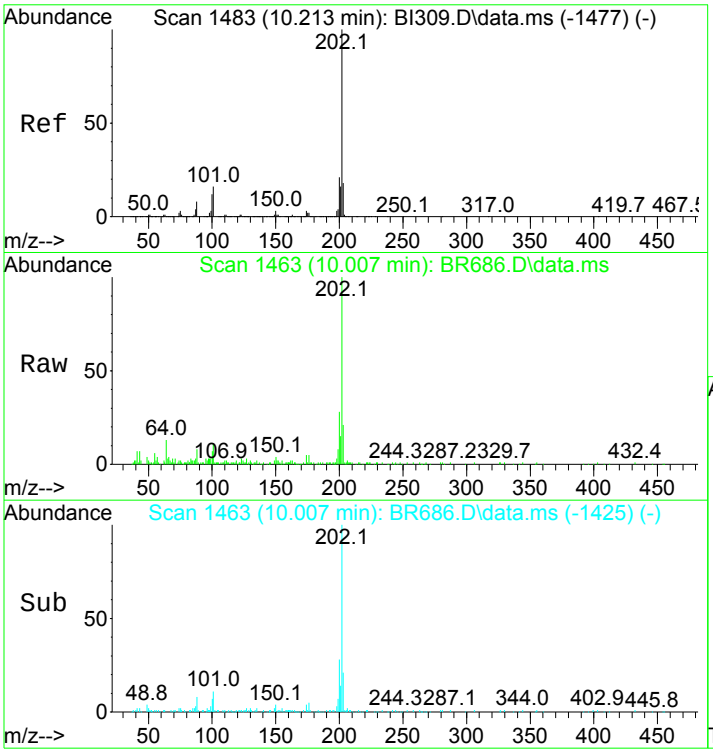


#111
Phenanthrene
Concen: 1.03 ppm
RT: 8.825 min Scan# 1242
Delta R.T. 0.000 min
Lab File: BR686.D
Acq: 8 May 2019 12:01 am

Tgt Ion:178 Resp: 9149

Ion	Ratio	Lower	Upper
178	100		
179	14.8	0.0	35.2
176	18.0	0.0	39.1

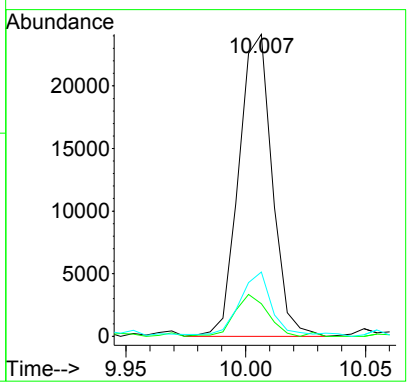


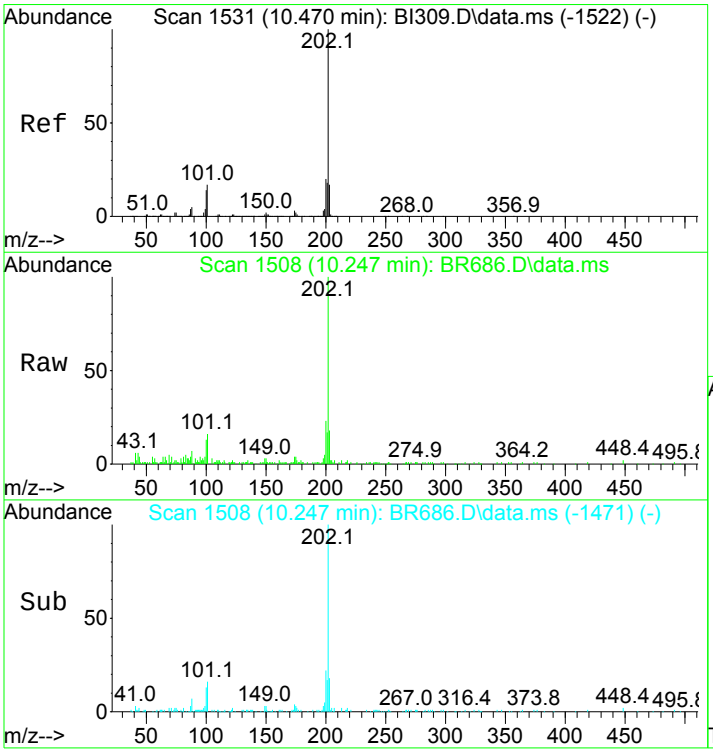


#116
Fluoranthene
Concen: 2.39 ppm
RT: 10.007 min Scan# 1463
Delta R.T. 0.005 min
Lab File: BR686.D
Acq: 8 May 2019 12:01 am

Tgt Ion:202 Resp: 23236

Ion	Ratio	Lower	Upper
202	100		
101	10.7	0.0	32.2
203	20.2	0.0	37.3

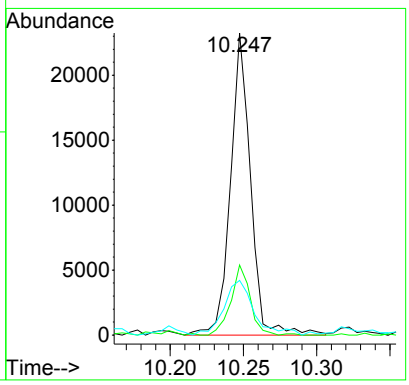


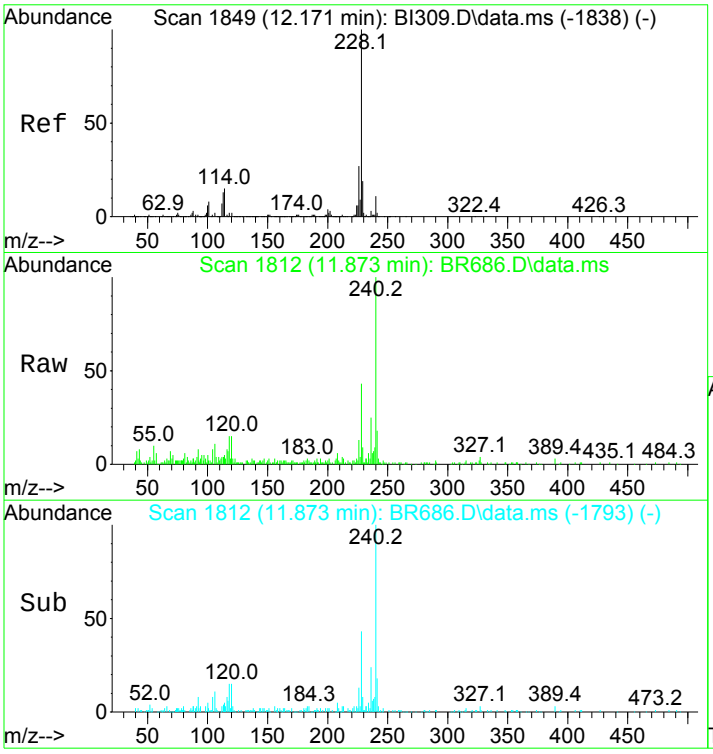


#123
Pyrene
Concen: 2.29 ppm
RT: 10.247 min Scan# 1508
Delta R.T. 0.000 min
Lab File: BR686.D
Acq: 8 May 2019 12:01 am

Tgt Ion:202 Resp: 22311

Ion	Ratio	Lower	Upper
202	100		
200	23.2	0.8	40.8
203	17.3	0.0	37.5

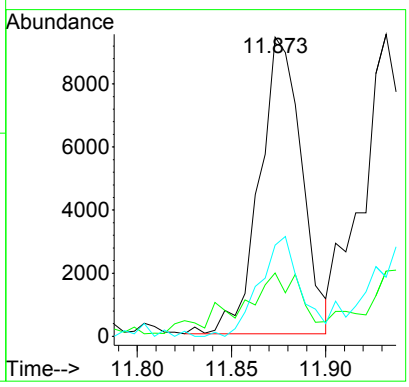


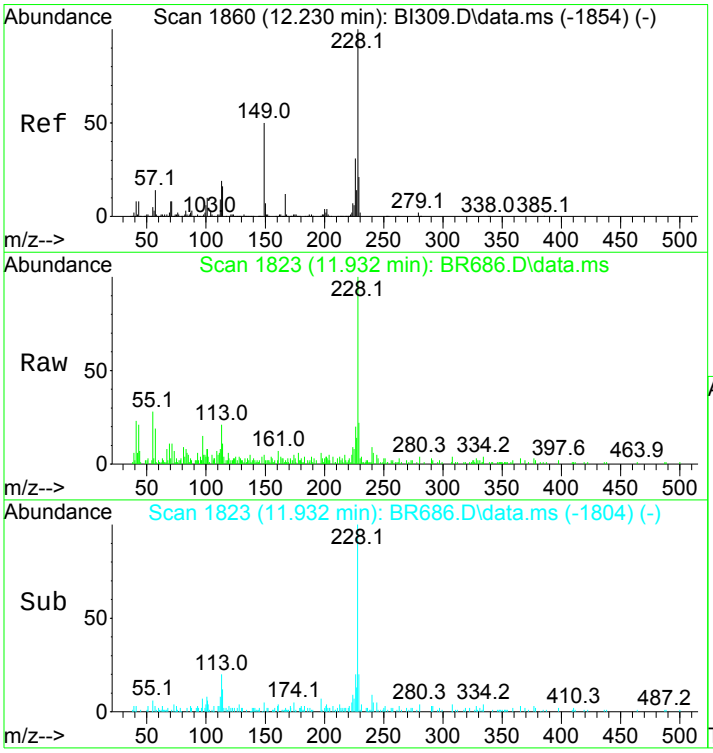


#132
Benzo(a)anthracene
Concen: 1.59 ppm
RT: 11.873 min Scan# 1812
Delta R.T. 0.000 min
Lab File: BR686.D
Acq: 8 May 2019 12:01 am

Tgt Ion:228 Resp: 14653

Ion	Ratio	Lower	Upper
228	100		
229	17.2	0.0	39.4
226	29.5	6.5	46.5

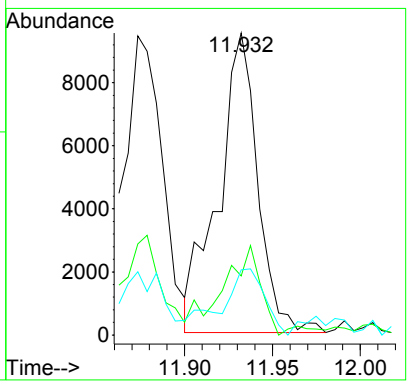


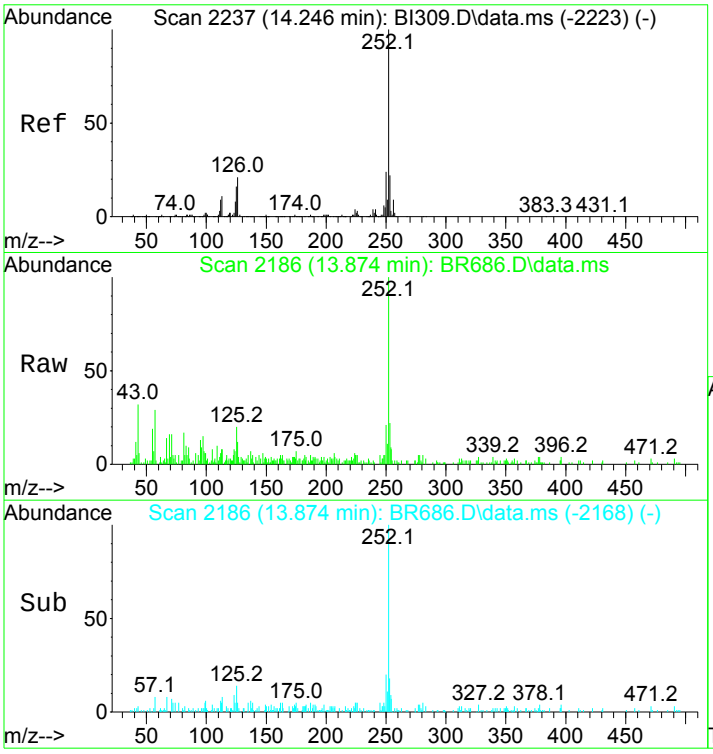


#133
Chrysene
Concen: 1.70 ppm
RT: 11.932 min Scan# 1823
Delta R.T. 0.000 min
Lab File: BR686.D
Acq: 8 May 2019 12:01 am

Tgt Ion:228 Resp: 14863

Ion	Ratio	Lower	Upper
228	100		
226	17.8	9.5	49.5
229	18.9	0.0	40.0

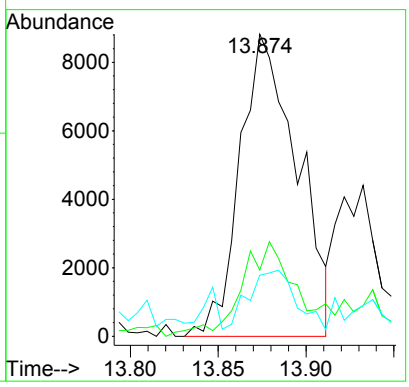


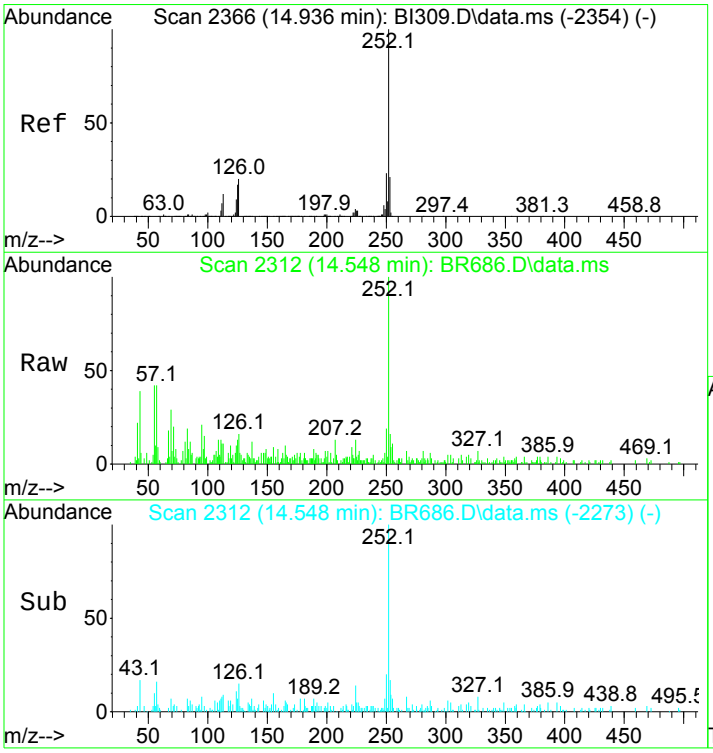


#138
Benzo(b)Fluoranthene
Concen: 2.10 ppm
RT: 13.874 min Scan# 2186
Delta R.T. -0.005 min
Lab File: BR686.D
Acq: 8 May 2019 12:01 am

Tgt Ion:252 Resp: 19945

Ion	Ratio	Lower	Upper
252	100		
253	17.6	3.9	43.9
125	19.2	0.0	35.4

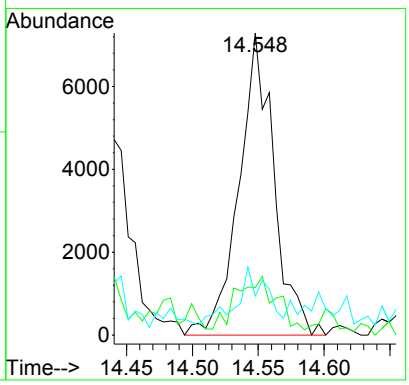


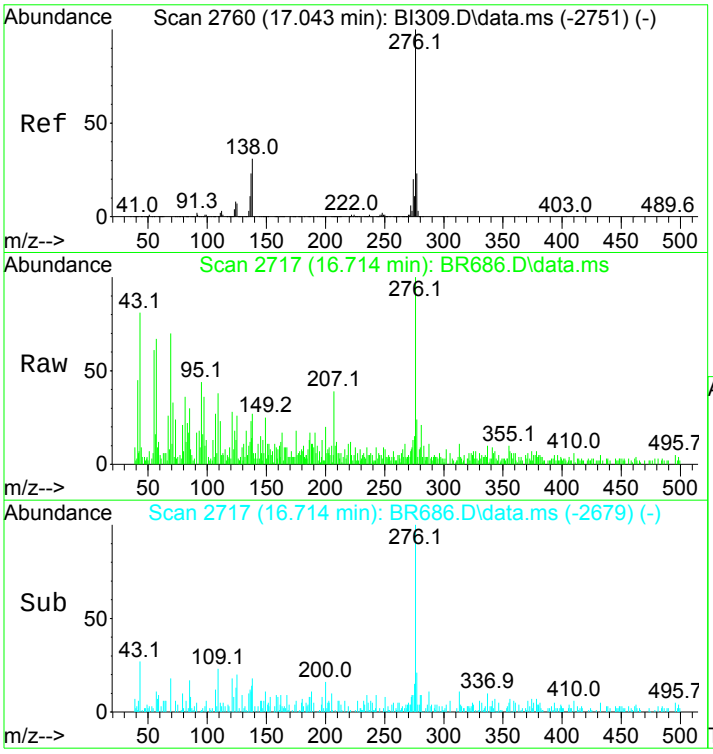


#140
Benzo(a)pyrene
Concen: 1.68 ppm
RT: 14.548 min Scan# 2312
Delta R.T. 0.011 min
Lab File: BR686.D
Acq: 8 May 2019 12:01 am

Tgt Ion:252 Resp: 13307

Ion	Ratio	Lower	Upper
252	100		
253	8.9	2.8	42.8
125	5.8	0.0	33.6

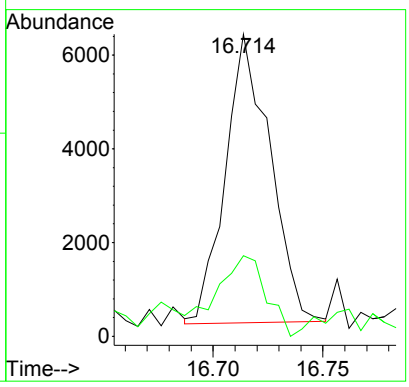


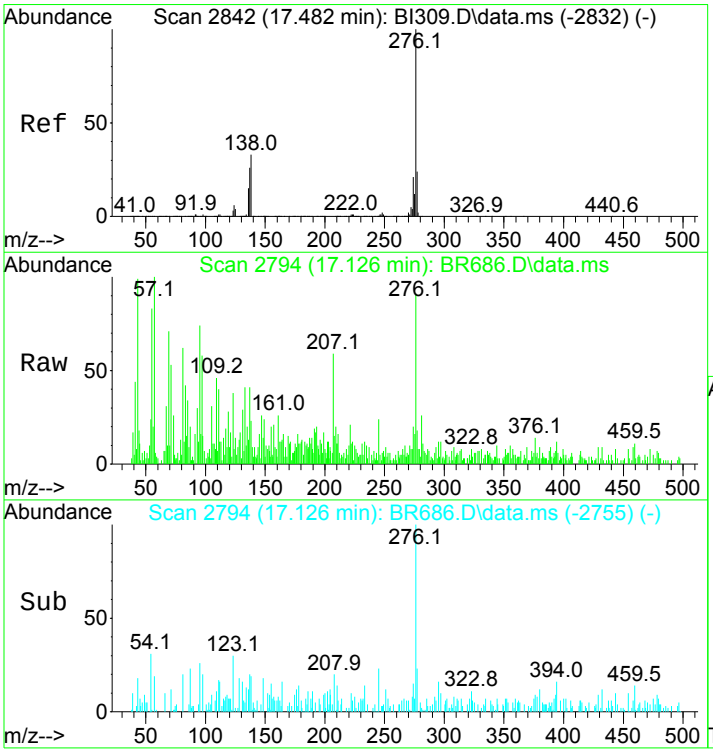


#142
Indeno(1,2,3-cd)Pyrene
Concen: 1.08 ppm
RT: 16.714 min Scan# 2717
Delta R.T. 0.005 min
Lab File: BR686.D
Acq: 8 May 2019 12:01 am

Tgt Ion:276 Resp: 8726

Ion	Ratio	Lower	Upper
276	100		
138	22.4	4.3	44.3

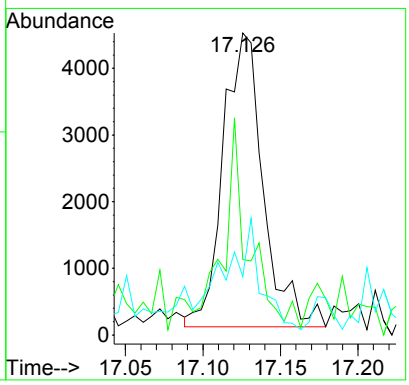




#144
Benzo(g,h,i)perylene
Concen: 1.12 ppm
RT: 17.126 min Scan# 2794
Delta R.T. 0.011 min
Lab File: BR686.D
Acq: 8 May 2019 12:01 am

Tgt Ion:276 Resp: 7959

Ion	Ratio	Lower	Upper
276	100		
138	13.7	7.9	47.9
277	5.3	4.3	44.3



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973D\Data\050719\
Data File : BR687.D
Acq On : 8 May 2019 12:29 am
Operator : JMisiurewicz
Sample : R1903959-010
Misc : 335967 8270D SOIL
ALS Vial : 27 Sample Multiplier: 1

Quant Time: May 08 11:02:39 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 08 10:59:50 2019
Response via : Initial Calibration

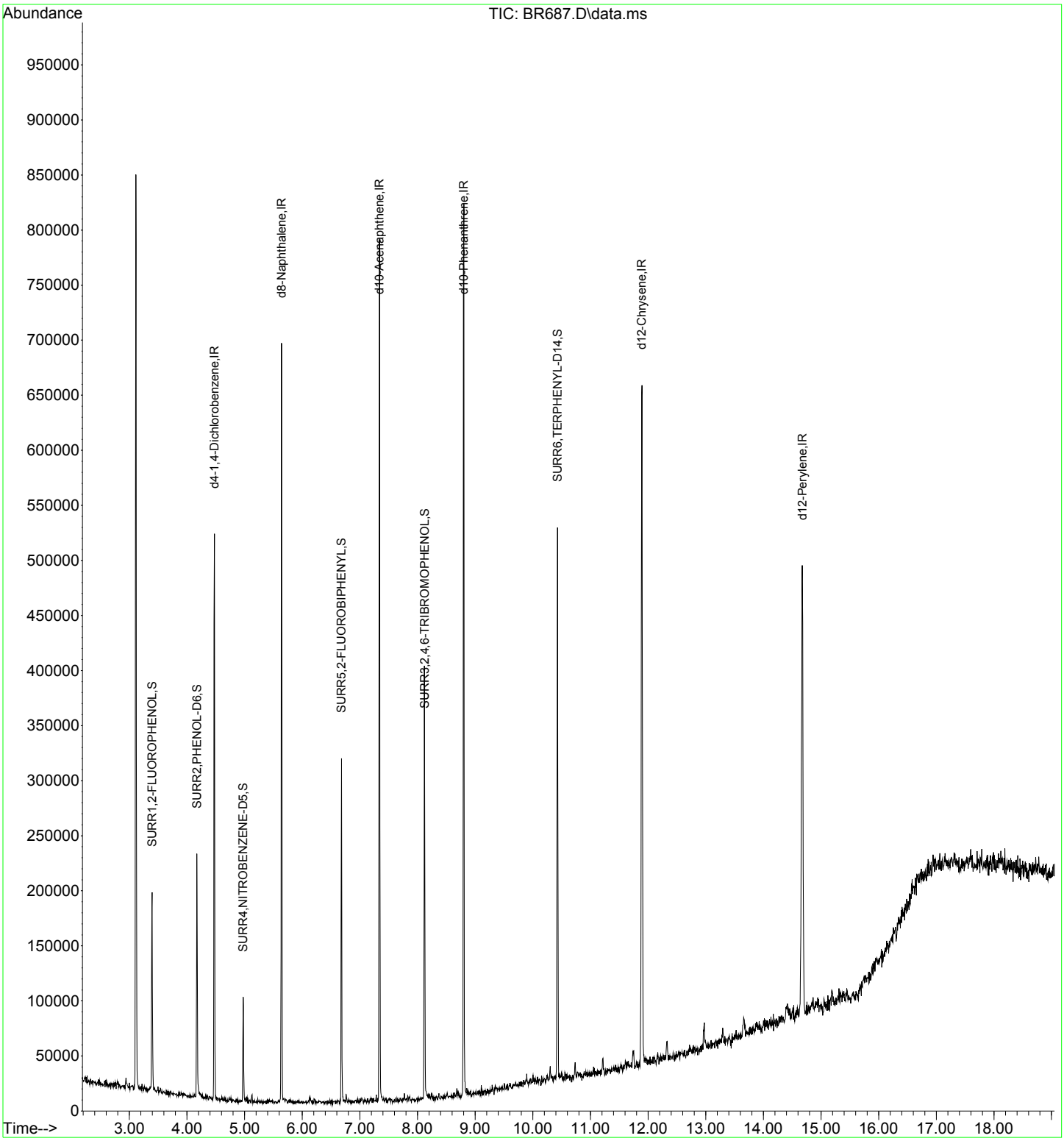
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.476	152	71320	40.00	ppm	0.00
33) d8-Naphthalene	5.642	136	259830	40.00	ppm	0.00
57) d10-Acenaphthene	7.338	164	152289	40.00	ppm	0.00
91) d10-Phenanthrene	8.803	188	275650	40.00	ppm	0.00
117) d12-Chrysene	11.889	240	282803	40.00	ppm	0.00
135) d12-Perylene	14.676	264	271049	40.00	ppm	0.02
System Monitoring Compounds						
7) SURR1,2-FLUOROPHENOL	3.396	112	50817	20.25	ppm	0.01
Spiked Amount 200.000	Range 10 - 88		Recovery = 10.13%			
12) SURR2,PHENOL-D6	4.171	99	68026	21.85	ppm	0.00
Spiked Amount 200.000	Range 10 - 145		Recovery = 10.93%			
34) SURR4,NITROBENZENE-D5	4.973	82	28114	10.50	ppm	0.00
Spiked Amount 100.000	Range 10 - 95		Recovery = 10.50%			
63) SURR5,2-FLUOROBIPHENYL	6.680	172	77991	13.07	ppm	0.00
Spiked Amount 100.000	Range 10 - 102		Recovery = 13.07%			
88) SURR3,2,4,6-TRIBROMOPH...	8.124	330	43950	39.83	ppm	0.00
Spiked Amount 200.000	Range 10 - 109		Recovery = 19.91%			
124) SURR6,TERPHENYL-D14	10.429	244	146482	20.68	ppm	0.00
Spiked Amount 100.000	Range 10 - 106		Recovery = 20.68%			
Target Compounds						Qvalue

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

1st DM 05/08/19
2nd BA 05/08/19

Data Path : I:\ACQUDATA\5973D\Data\050719\
Data File : BR687.D
Acq On : 8 May 2019 12:29 am
Operator : JMisiurewicz
Sample : R1903959-010
Misc : 335967 8270D SOIL
ALS Vial : 27 Sample Multiplier: 1

Quant Time: May 08 11:02:39 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 08 10:59:50 2019
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973D\Data\050719\
Data File : BR670.D
Acq On : 7 May 2019 4:23 pm
Operator : JMisiurewicz
Sample : RQ1904142-05
Misc : 335967 8270D SOIL BLK
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 08 11:00:48 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 08 10:59:50 2019
Response via : Initial Calibration

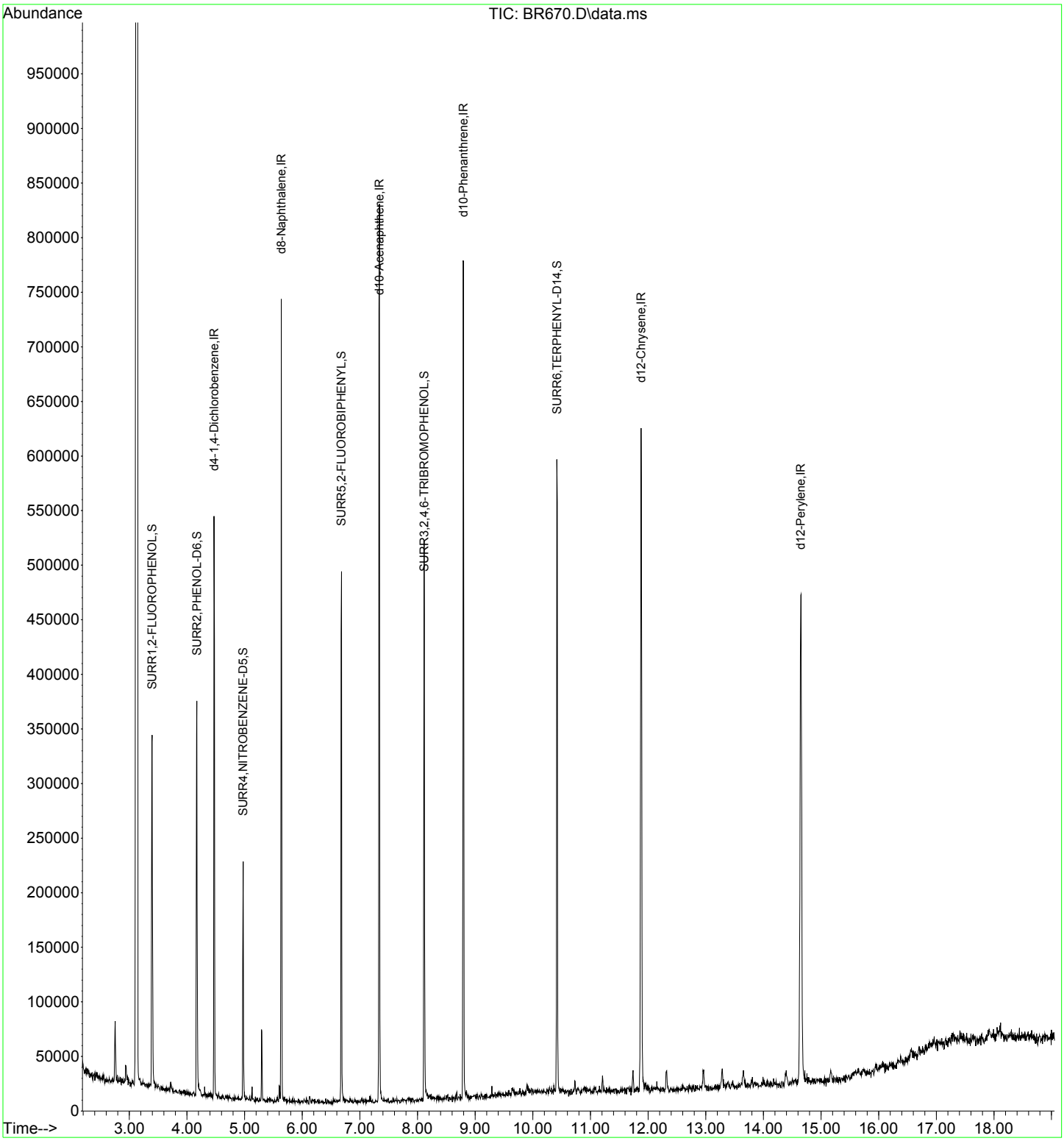
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.471	152	70521	40.00	ppm	0.00
33) d8-Naphthalene	5.637	136	261768	40.00	ppm	0.00
57) d10-Acenaphthene	7.338	164	155064	40.00	ppm	0.00
91) d10-Phenanthrene	8.798	188	278083	40.00	ppm	0.00
117) d12-Chrysene	11.879	240	278668	40.00	ppm	-0.01
135) d12-Perylene	14.649	264	310975	40.00	ppm	0.00
System Monitoring Compounds						
7) SURR1,2-FLUOROPHENOL	3.396	112	100474	40.50	ppm	0.01
Spiked Amount 200.000	Range 10 - 88		Recovery = 20.25%			
12) SURR2,PHENOL-D6	4.171	99	123806	40.22	ppm	0.00
Spiked Amount 200.000	Range 10 - 145		Recovery = 20.11%			
34) SURR4,NITROBENZENE-D5	4.974	82	54860	20.34	ppm	0.00
Spiked Amount 100.000	Range 10 - 95		Recovery = 20.34%			
63) SURR5,2-FLUOROBIPHENYL	6.680	172	132543	21.81	ppm	0.00
Spiked Amount 100.000	Range 10 - 102		Recovery = 21.81%			
88) SURR3,2,4,6-TRIBROMOPH...	8.119	330	56004	49.84	ppm	0.00
Spiked Amount 200.000	Range 10 - 109		Recovery = 24.92%			
124) SURR6,TERPHENYL-D14	10.418	244	178003	25.51	ppm	0.00
Spiked Amount 100.000	Range 10 - 106		Recovery = 25.51%			
Target Compounds						Qvalue

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

1st DM 05/08/19
2nd BA 05/08/19

Data Path : I:\ACQUDATA\5973D\Data\050719\
Data File : BR670.D
Acq On : 7 May 2019 4:23 pm
Operator : JMisiurewicz
Sample : RQ1904142-05
Misc : 335967 8270D SOIL BLK
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 08 11:00:48 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 08 10:59:50 2019
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973A\DATA\051319\
Data File : DS015.D
Acq On : 13 May 2019 3:21 pm
Operator : JMisiurewicz
Sample : RQ1904142-01
Misc : 335967 8270D SOIL BLK
ALS Vial : 16 Sample Multiplier: 1

Quant Time: May 14 06:31:29 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration

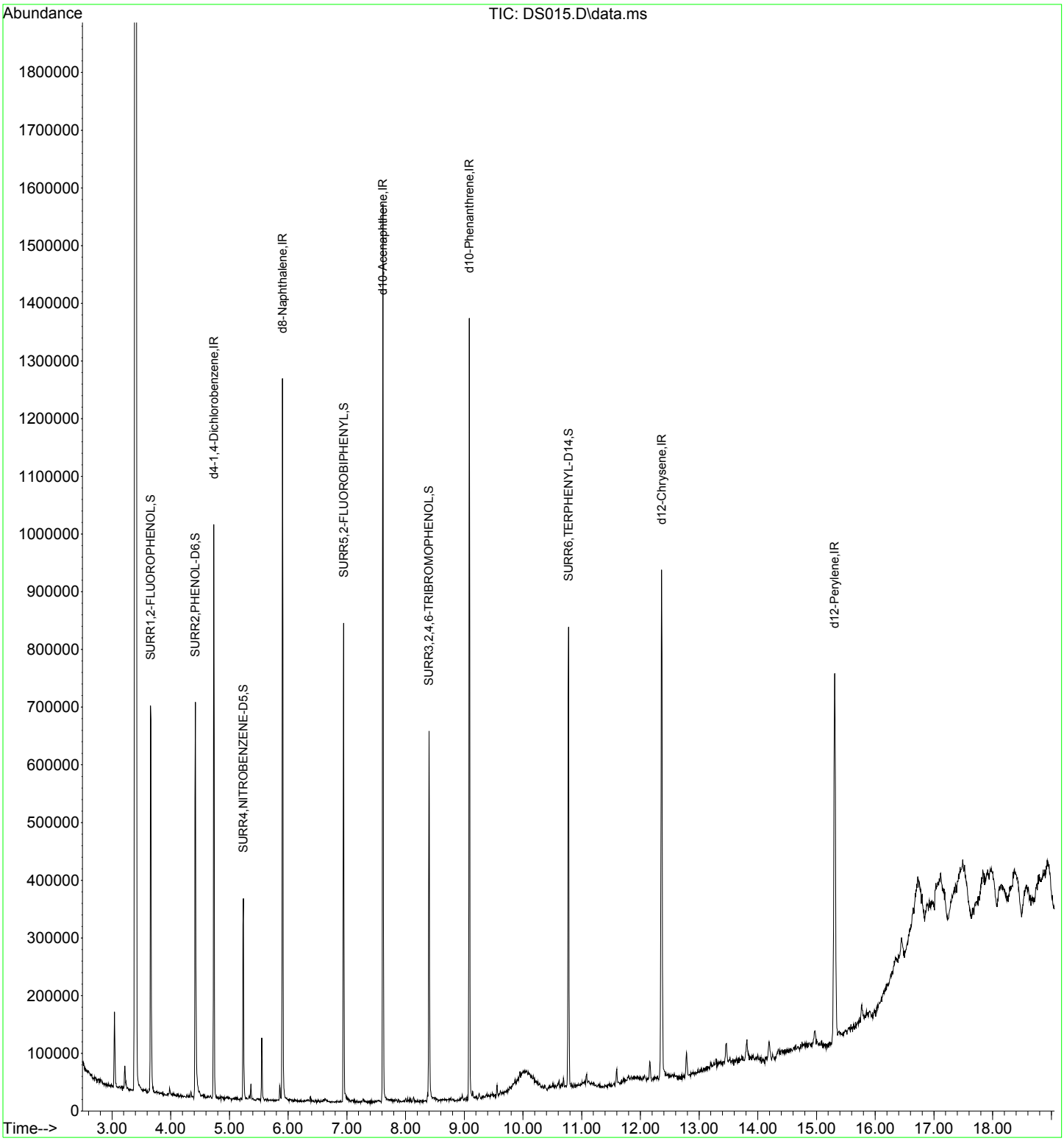
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.734	152	151117	40.00	ppm	0.00
33) d8-Naphthalene	5.904	136	570923	40.00	ppm	0.00
57) d10-Acenaphthene	7.613	164	298575	40.00	ppm	0.00
91) d10-Phenanthrene	9.087	188	459530	40.00	ppm	0.00
117) d12-Chrysene	12.362	240	409638	40.00	ppm	0.00
135) d12-Perylene	15.310	264	412581	40.00	ppm	0.02
System Monitoring Compounds						
7) SURR1,2-FLUOROPHENOL	3.656	112	236434	43.01	ppm	0.00
Spiked Amount 100.000	Range 10 - 88		Recovery = 43.01%			
12) SURR2,PHENOL-D6	4.419	99	293796	43.51	ppm	0.00
Spiked Amount 100.000	Range 10 - 145		Recovery = 43.51%			
34) SURR4,NITROBENZENE-D5	5.237	82	120195	20.75	ppm	0.00
Spiked Amount 50.000	Range 10 - 95		Recovery = 41.50%			
63) SURR5,2-FLUOROBIPHENYL	6.946	172	247544	21.80	ppm	0.00
Spiked Amount 50.000	Range 10 - 102		Recovery = 43.60%			
88) SURR3,2,4,6-TRIBROMOPH...	8.398	330	68921	56.37	ppm	0.00
Spiked Amount 100.000	Range 10 - 109		Recovery = 56.37%			
124) SURR6,TERPHENYL-D14	10.775	244	263801	27.34	ppm	0.00
Spiked Amount 50.000	Range 10 - 106		Recovery = 54.68%			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973A\DATA\051319\
Data File : DS015.D
Acq On : 13 May 2019 3:21 pm
Operator : JMisiurewicz
Sample : RQ1904142-01
Misc : 335967 8270D SOIL BLK
ALS Vial : 16 Sample Multiplier: 1

Quant Time: May 14 06:31:29 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973D\Data\050719\
Data File : BR671.D
Acq On : 7 May 2019 4:52 pm
Operator : JMisiurewicz
Sample : RQ1904142-06
Misc : 335967 8270D SOIL LCS
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 08 11:00:53 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 08 10:59:50 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) d4-1,4-Dichlorobenzene	4.476	152	75907	40.00	ppm		0.00
33) d8-Naphthalene	5.637	136	285567	40.00	ppm		0.00
57) d10-Acenaphthene	7.338	164	164222	40.00	ppm		0.00
91) d10-Phenanthrene	8.798	188	264991	40.00	ppm		0.00
117) d12-Chrysene	11.884	240	293072	40.00	ppm		0.00
135) d12-Perylene	14.655	264	317085	40.00	ppm		0.00
System Monitoring Compounds							
7) SURR1,2-FLUOROPHENOL	3.396	112	105591	39.54	ppm		0.01
Spiked Amount 200.000	Range 10 - 88		Recovery = 19.77%				
12) SURR2,PHENOL-D6	4.166	99	128958	38.92	ppm		0.00
Spiked Amount 200.000	Range 10 - 145		Recovery = 19.46%				
34) SURR4,NITROBENZENE-D5	4.974	82	63371	21.54	ppm		0.00
Spiked Amount 100.000	Range 10 - 95		Recovery = 21.54%				
63) SURR5,2-FLUOROBIPHENYL	6.680	172	140140	21.77	ppm		0.00
Spiked Amount 100.000	Range 10 - 102		Recovery = 21.77%				
88) SURR3,2,4,6-TRIBROMOPH...	8.119	330	59670	50.14	ppm		0.00
Spiked Amount 200.000	Range 10 - 109		Recovery = 25.07%				
124) SURR6,TERPHENYL-D14	10.418	244	177558	24.19	ppm		0.00
Spiked Amount 100.000	Range 10 - 106		Recovery = 24.19%				
Target Compounds							Qvalue
2) Pyridine	2.326	79	34398	13.215	ppm		85
3) N-Nitrosodimethylamine	2.283	74	27483	17.934	ppm		76
10) Benzaldehyde	4.102	106	40995	25.652	ppm		90
11) Aniline	4.193	93	74405	16.781	ppm		80
13) Phenol	4.182	94	75800	21.417	ppm		85
14) bis(2-Clethyl)Ether	4.241	93	54217	23.546	ppm		95
16) 2-Chlorophenol	4.300	128	64217	22.076	ppm		94
17) 1,3-Diclbenzene	4.423	146	61716	19.164	ppm		93
18) 1,4-Dichlorobenzene	4.487	146	68565	20.932	ppm		95
19) 1,2-Diclbenzene	4.621	146	63627	20.150	ppm		96
20) Benzyl Alcohol	4.599	79	48730	22.527	ppm		95
21) 1-Methyl-2-pyrrolidinone	4.626	99	39998	22.278	ppm		93
22) 2,2'-oxybis(1-Chloropr...	4.706	45	64256	26.921	ppm	#	80
23) 2-Methylphenol	4.706	108	55869	22.132	ppm		95
24) 3+4-Methylphenol	4.851	108	56143	19.214	ppm		84
25) Acetophenone	4.834	105	142679	37.177	ppm		82
26) N-Nitroso-Di-n-propyla...	4.829	70	42185	20.989	ppm		85
30) Hexachloroethane	4.920	117	27647	21.068	ppm		96
32) Alpha-terpinol	5.664	121	23256	23.052	ppm		91
35) Nitrobenzene	4.990	77	68398	22.837	ppm		98
37) Isophorone	5.209	82	114013	22.500	ppm		97
38) 2-Nitrophenol	5.284	139	32818	20.784	ppm		88
39) Benzoic Acid	5.412	105	18810	10.832	ppm		88
40) 2,4-Dimethylphenol	5.332	107	69609	24.234	ppm		96
41) bis(-2-Chloroethoxy)Me...	5.412	93	70240	23.254	ppm		97
42) 2,4-Dichlorophenol	5.519	162	56849	23.548	ppm		97
44) 1,2,4-Trichlorobenzene	5.583	180	58740	21.633	ppm		95
45) Naphthalene	5.658	128	177205	20.905	ppm		99
46) 4-Chloroaniline	5.722	127	53137	15.439	ppm		94
48) Hexachlorobutadiene	5.765	225	39670	23.659	ppm		99
50) 4-Chloro-3-methylphenol	6.204	107	56434	24.341	ppm		97
52) Caprolactam	6.049	113	19070	23.875	ppm		89
55) 2-Methylnaphthalene	6.321	142	118449	20.468	ppm		93

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973D\Data\050719\
Data File : BR671.D
Acq On : 7 May 2019 4:52 pm
Operator : JMisiurewicz
Sample : RQ1904142-06
Misc : 335967 8270D SOIL LCS
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 08 11:00:53 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 08 10:59:50 2019
Response via : Initial Calibration

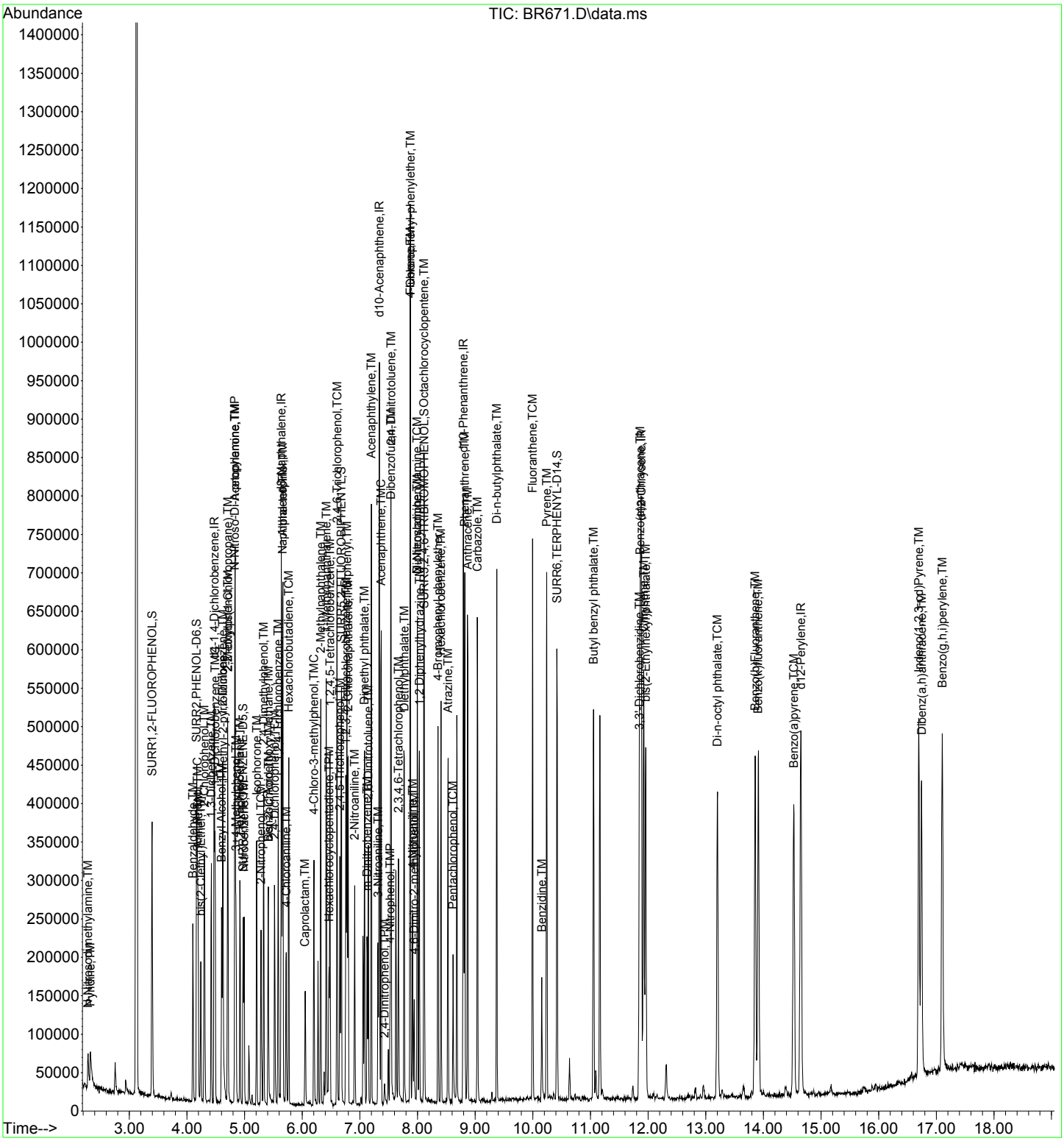
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
56) 1-Methylnaphthalene	6.418	142	124030	22.741	ppm		97
58) Hexachlorocyclopentadiene	6.466	237	22942	15.589	ppm		97
59) 1,2,4,5-Tetrachloroben...	6.482	216	66973	23.051	ppm		100
60) 1,2,3,4-Tetrachloroben...	6.760	216	64767	21.365	ppm		95
61) 2,4,6-Trichlorophenol	6.605	196	43672	25.198	ppm		89
62) 2,4,5-Trichlorophenol	6.653	196	44012	23.173	ppm		99
65) 1,1'-Biphenyl	6.776	154	152135	20.591	ppm		98
66) 2-Chloronaphthalene	6.797	162	127087	23.458	ppm		96
67) 2-Nitroaniline	6.910	65	34433	23.885	ppm		99
69) m-Dinitrobenzene	7.124	168	24218	24.820	ppm		90
70) Acenaphthylene	7.199	152	210690	24.144	ppm		98
71) Dimethyl phthalate	7.081	163	159341	24.289	ppm		99
72) 2,6-Dinitrotoluene	7.145	165	34747	24.617	ppm		96
73) Acenaphthene	7.370	153	135614	22.232	ppm		99
74) 3-Nitroaniline	7.316	138	30656	19.723	ppm		97
75) 2,4-Dinitrophenol	7.429	184	4650	9.183	ppm		67
76) Dibenzofuran	7.536	168	187535	23.555	ppm		81
77) 2,4-Dinitrotoluene	7.541	165	46681	23.413	ppm		98
78) 4-Nitrophenol	7.525	65	26087	25.817	ppm	#	20
82) 2,3,4,6-Tetrachlorophenol	7.669	232	33742	21.147	ppm		90
83) Fluorene	7.872	166	155613	24.122	ppm		99
84) 4-Chlorophenyl-phenyle...	7.878	204	76221	26.225	ppm		99
85) Diethylphthalate	7.771	149	160455	23.251	ppm		99
86) 4-Nitroaniline	7.915	138	38876	23.542	ppm		96
90) Octachlorocyclopentene	8.113	307	23815	18.182	ppm		95
93) 4,6-Dinitro-2-methylph...	7.942	198	15560	14.293	ppm		93
94) Diphenylamine	7.996	169	129775	29.098	ppm		100
95) 1,2 Diphenylhydrazine	8.033	77	157721	27.659	ppm		93
96) N-Nitrosodiphenylamine	7.996	169	129775	29.096	ppm		100
101) 4-Bromophenyl-phenylether	8.354	248	49727	29.991	ppm		94
102) Hexachlorobenzene	8.407	284	55756	26.440	ppm		95
104) Atrazine	8.530	215	22655	38.259	ppm		83
105) Pentachlorophenol	8.616	266	20756	18.000	ppm		96
111) Phenanthrene	8.819	178	220135	25.627	ppm		99
112) Anthracene	8.867	178	228742	27.122	ppm		99
113) Carbazole	9.039	167	223791	27.993	ppm		99
114) Di-n-butylphthalate	9.375	149	304976	27.496	ppm		97
116) Fluoranthene	9.996	202	266486	28.263	ppm		100
122) Benzidine	10.156	184	54336	10.752	ppm		95
123) Pyrene	10.242	202	275710	26.796	ppm		100
128) Butyl benzyl phthalate	11.055	149	143665	27.829	ppm		99
131) 3,3'-Dichlorobenzidine	11.847	252	93099	23.783	ppm		95
132) Benzo(a)anthracene	11.863	228	270686	27.755	ppm		99
133) Chrysene	11.927	228	267770	28.907	ppm		93
134) bis(2-Ethylhexyl)phtha...	11.959	149	201288	27.010	ppm		95
136) Di-n-octyl phthalate	13.205	149	343489	26.858	ppm		99
138) Benzo(b)Fluoranthene	13.858	252	279752	25.471	ppm		95
139) Benzo(k)fluoranthene	13.911	252	287837	28.077	ppm		99
140) Benzo(a)pyrene	14.532	252	274055	29.947	ppm		97
142) Indeno(1,2,3-cd)Pyrene	16.698	276	270711	28.913	ppm		93
143) Dibenz(a,h)anthracene	16.746	278	225911	22.651	ppm		94
144) Benzo(g,h,i)perylene	17.104	276	294754	35.797	ppm		96

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

1st JM 05/08/19
2nd BA 05/08/19

Data Path : I:\ACQUDATA\5973D\Data\050719\
Data File : BR671.D
Acq On : 7 May 2019 4:52 pm
Operator : JMisiurewicz
Sample : RQ1904142-06
Misc : 335967 8270D SOIL LCS
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 08 11:00:53 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 08 10:59:50 2019
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973D\Data\050719\
Data File : BR672.D
Acq On : 7 May 2019 5:20 pm
Operator : JMisiurewicz
Sample : RQ1904142-07
Misc : 335967 8270D SOIL LCSD
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 08 11:00:59 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 08 10:59:50 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) d4-1,4-Dichlorobenzene	4.471	152	72086	40.00	ppm		0.00
33) d8-Naphthalene	5.637	136	267482	40.00	ppm		0.00
57) d10-Acenaphthene	7.338	164	155022	40.00	ppm		0.00
91) d10-Phenanthrene	8.798	188	254435	40.00	ppm		0.00
117) d12-Chrysene	11.884	240	287953	40.00	ppm		0.00
135) d12-Perylene	14.649	264	307760	40.00	ppm		0.00
System Monitoring Compounds							
7) SURR1,2-FLUOROPHENOL	3.390	112	90906	35.85	ppm		0.00
Spiked Amount 200.000	Range 10 - 88		Recovery = 17.93%				
12) SURR2,PHENOL-D6	4.166	99	106048	33.70	ppm		0.00
Spiked Amount 200.000	Range 10 - 145		Recovery = 16.85%				
34) SURR4,NITROBENZENE-D5	4.974	82	52059	18.89	ppm		0.00
Spiked Amount 100.000	Range 10 - 95		Recovery = 18.89%				
63) SURR5,2-FLUOROBIPHENYL	6.680	172	123039	20.25	ppm		0.00
Spiked Amount 100.000	Range 10 - 102		Recovery = 20.25%				
88) SURR3,2,4,6-TRIBROMOPH...	8.119	330	55179	49.12	ppm		0.00
Spiked Amount 200.000	Range 10 - 109		Recovery = 24.56%				
124) SURR6,TERPHENYL-D14	10.424	244	178922	24.81	ppm		0.00
Spiked Amount 100.000	Range 10 - 106		Recovery = 24.81%				
Target Compounds							Qvalue
2) Pyridine	2.326	79	30117	12.184	ppm		95
3) N-Nitrosodimethylamine	2.278	74	24230	16.650	ppm		89
10) Benzaldehyde	4.102	106	36566	24.093	ppm		93
11) Aniline	4.193	93	66647	15.828	ppm		77
13) Phenol	4.182	94	64208	19.104	ppm		78
14) bis(2-Clethyl)Ether	4.241	93	42969	19.650	ppm		96
16) 2-Chlorophenol	4.300	128	51222	18.542	ppm		96
17) 1,3-Diclbenzene	4.423	146	52888	17.294	ppm		97
18) 1,4-Dichlorobenzene	4.487	146	54779	17.610	ppm		95
19) 1,2-Diclbenzene	4.621	146	55025	18.349	ppm		96
20) Benzyl Alcohol	4.599	79	39563	19.259	ppm		89
21) 1-Methyl-2-pyrrolidinone	4.621	99	38273	22.447	ppm	#	79
22) 2,2'-oxybis(1-Chloropr...	4.706	45	52396	23.115	ppm	#	84
23) 2-Methylphenol	4.706	108	44566	18.591	ppm		92
24) 3+4-Methylphenol	4.851	108	47081	16.967	ppm		82
25) Acetophenone	4.834	105	119411	32.763	ppm		80
26) N-Nitroso-Di-n-propyla...	4.829	70	33690	17.650	ppm		85
30) Hexachloroethane	4.920	117	22987	18.445	ppm		91
32) Alpha-terpinol	5.664	121	20122	21.003	ppm		89
35) Nitrobenzene	4.990	77	55548	19.801	ppm		100
37) Isophorone	5.209	82	97482	20.539	ppm		98
38) 2-Nitrophenol	5.284	139	28562	19.311	ppm		79
39) Benzoic Acid	5.412	105	17974	11.051	ppm		95
40) 2,4-Dimethylphenol	5.332	107	59960	22.286	ppm		99
41) bis(-2-Chloroethoxy)Me...	5.412	93	58500	20.676	ppm		97
42) 2,4-Dichlorophenol	5.519	162	47703	21.096	ppm		92
44) 1,2,4-Trichlorobenzene	5.583	180	50425	19.827	ppm		97
45) Naphthalene	5.658	128	146315	18.428	ppm		96
46) 4-Chloroaniline	5.722	127	59356	18.412	ppm		99
48) Hexachlorobutadiene	5.765	225	35262	22.452	ppm		98
50) 4-Chloro-3-methylphenol	6.204	107	50954	23.464	ppm		98
52) Caprolactam	6.054	113	18371	24.555	ppm	#	67
55) 2-Methylnaphthalene	6.321	142	105645	19.490	ppm		95

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973D\Data\050719\
Data File : BR672.D
Acq On : 7 May 2019 5:20 pm
Operator : JMisiurewicz
Sample : RQ1904142-07
Misc : 335967 8270D SOIL LCSD
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 08 11:00:59 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 08 10:59:50 2019
Response via : Initial Calibration

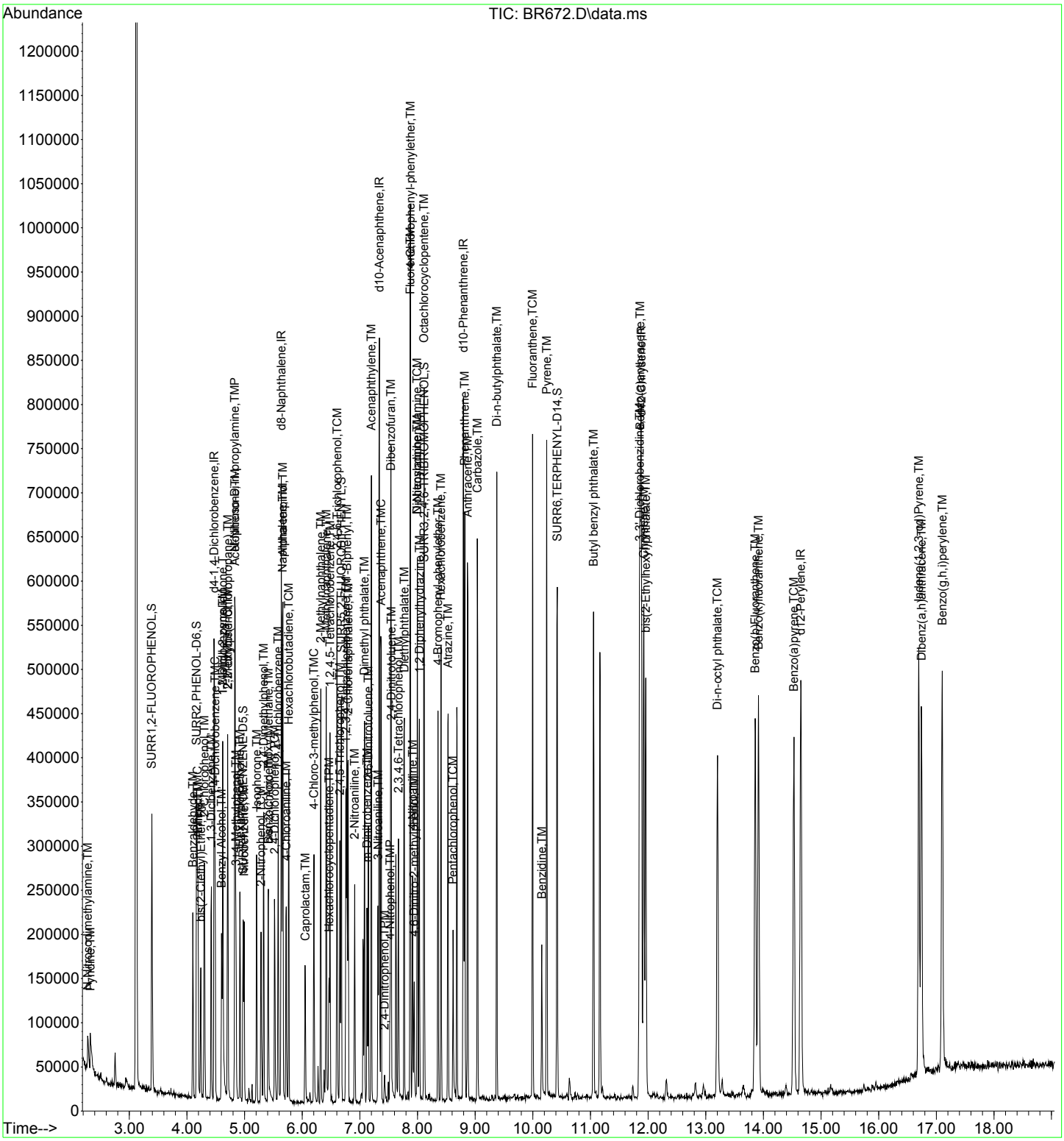
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
56) 1-Methylnaphthalene	6.418	142	107199	20.984	ppm		96
58) Hexachlorocyclopentadiene	6.466	237	19005	13.873	ppm		91
59) 1,2,4,5-Tetrachloroben...	6.482	216	54808	19.984	ppm		90
60) 1,2,3,4-Tetrachloroben...	6.760	216	56427	19.718	ppm		98
61) 2,4,6-Trichlorophenol	6.605	196	36484	22.300	ppm		97
62) 2,4,5-Trichlorophenol	6.653	196	38305	21.365	ppm		93
65) 1,1'-Biphenyl	6.776	154	134725	19.316	ppm		97
66) 2-Chloronaphthalene	6.797	162	103664	20.270	ppm		96
67) 2-Nitroaniline	6.910	65	32373	23.789	ppm		97
69) m-Dinitrobenzene	7.124	168	22302	24.213	ppm		97
70) Acenaphthylene	7.199	152	187789	22.797	ppm		97
71) Dimethyl phthalate	7.081	163	145489	23.494	ppm		99
72) 2,6-Dinitrotoluene	7.145	165	32247	24.202	ppm		91
73) Acenaphthene	7.370	153	121968	21.182	ppm		97
74) 3-Nitroaniline	7.316	138	32571	22.198	ppm		95
75) 2,4-Dinitrophenol	7.429	184	4915	9.939	ppm		76
76) Dibenzofuran	7.536	168	172713	22.981	ppm		81
77) 2,4-Dinitrotoluene	7.546	165	43546	23.137	ppm	#	74
78) 4-Nitrophenol	7.525	65	28229	29.595	ppm	#	40
82) 2,3,4,6-Tetrachlorophenol	7.669	232	33698	22.372	ppm		96
83) Fluorene	7.872	166	143299	23.531	ppm		100
84) 4-Chlorophenyl-phenyle...	7.878	204	66869	24.373	ppm		98
85) Diethylphthalate	7.771	149	150461	23.097	ppm		100
86) 4-Nitroaniline	7.915	138	38507	24.702	ppm		96
90) Octachlorocyclopentene	8.113	307	23616	19.100	ppm		96
93) 4,6-Dinitro-2-methylph...	7.942	198	18012	17.231	ppm		89
94) Diphenylamine	7.996	169	127278	29.722	ppm		98
95) 1,2 Diphenylhydrazine	8.033	77	149775	27.356	ppm		97
96) N-Nitrosodiphenylamine	7.996	169	127278	29.720	ppm		98
101) 4-Bromophenyl-phenylether	8.354	248	44403	27.891	ppm		94
102) Hexachlorobenzene	8.407	284	55213	27.268	ppm		93
104) Atrazine	8.530	215	21044	37.013	ppm		84
105) Pentachlorophenol	8.616	266	22072	19.936	ppm		92
111) Phenanthrene	8.819	178	212555	25.771	ppm		100
112) Anthracene	8.867	178	220611	27.243	ppm		98
113) Carbazole	9.039	167	226317	29.484	ppm		99
114) Di-n-butylphthalate	9.375	149	309523	29.064	ppm		98
116) Fluoranthene	9.996	202	274224	30.291	ppm		98
122) Benzidine	10.156	184	64895	13.070	ppm		96
123) Pyrene	10.242	202	283982	28.090	ppm		98
128) Butyl benzyl phthalate	11.055	149	152195	30.006	ppm		96
131) 3,3'-Dichlorobenzidine	11.852	252	105099	27.325	ppm		99
132) Benzo(a)anthracene	11.863	228	284967	29.738	ppm		98
133) Chrysene	11.927	228	268379	29.488	ppm		99
134) bis(2-Ethylhexyl)phtha...	11.959	149	208454	28.469	ppm		91
136) Di-n-octyl phthalate	13.205	149	349221	28.134	ppm		99
138) Benzo(b)Fluoranthene	13.858	252	285599	26.792	ppm		96
139) Benzo(k)fluoranthene	13.916	252	299303	30.080	ppm		99
140) Benzo(a)pyrene	14.532	252	279390	31.455	ppm		99
142) Indeno(1,2,3-cd)Pyrene	16.698	276	280471	30.864	ppm		92
143) Dibenz(a,h)anthracene	16.741	278	245912	25.404	ppm		95
144) Benzo(g,h,i)perylene	17.104	276	297965	37.283	ppm		93

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

1st JM 05/08/19
2nd BA 05/08/19

Data Path : I:\ACQUDATA\5973D\Data\050719\
Data File : BR672.D
Acq On : 7 May 2019 5:20 pm
Operator : JMisiurewicz
Sample : RQ1904142-07
Misc : 335967 8270D SOIL LCSD
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 08 11:00:59 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 08 10:59:50 2019
Response via : Initial Calibration

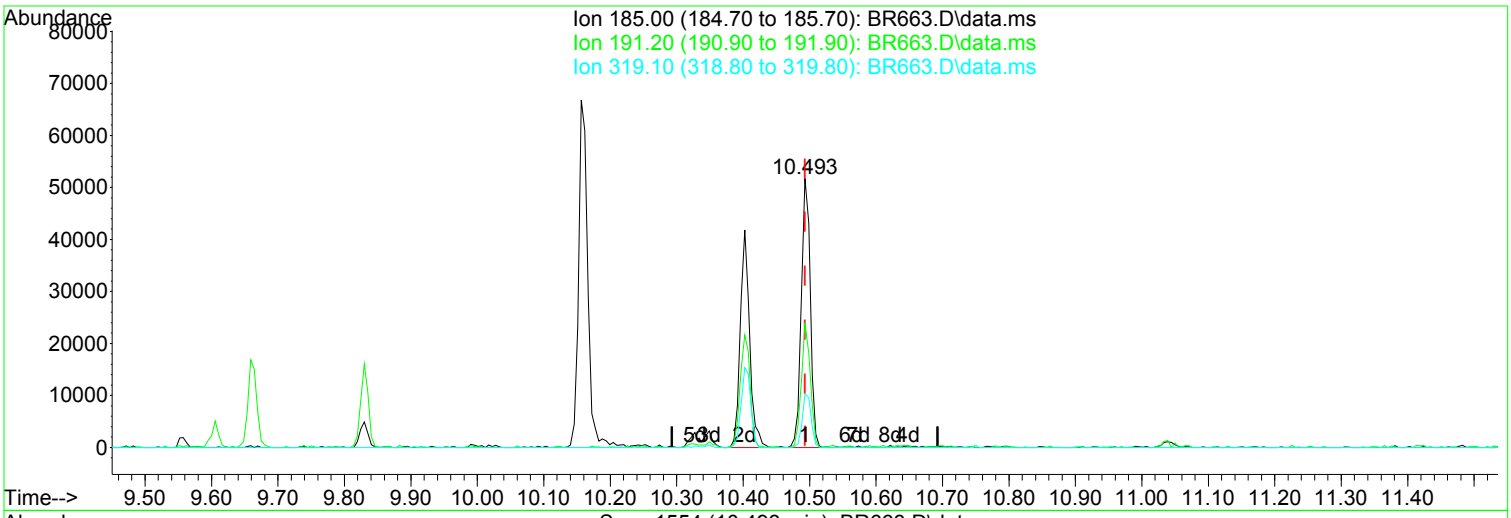


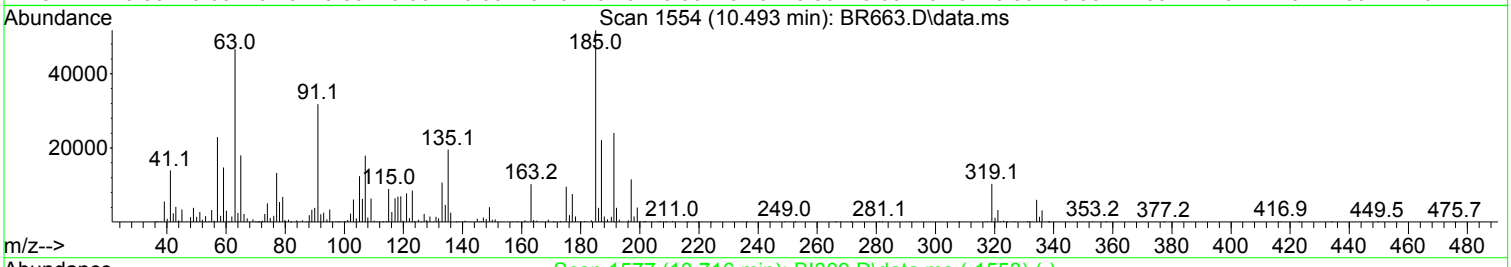
1st JM 05/08/19
2nd BA 05/08/19

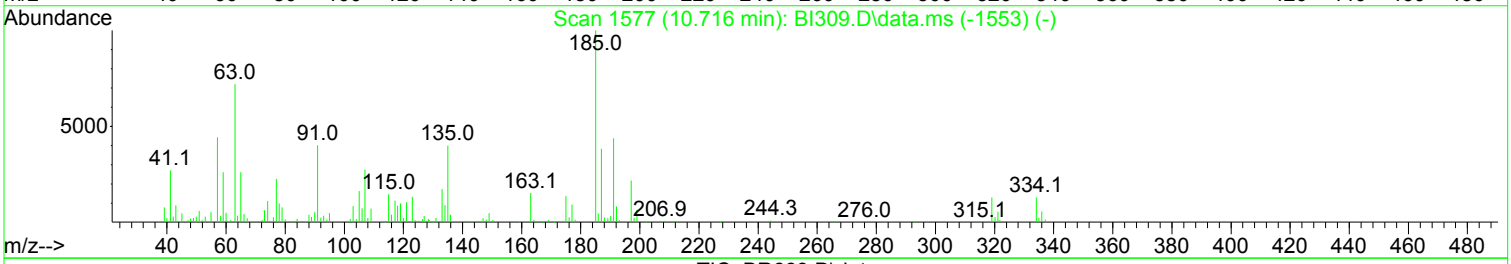
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\050719\
Data File : BR663.D
Acq On : 7 May 2019 1:01 pm
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270/625
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 08 11:00:13 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 08 10:59:50 2019
Response via : Initial Calibration







TIC: BR663.D\data.ms

(125) Aramite (TM)

10.493min (0.000) 78.32 ppm m

response 89101

Ion	Exp%	Act%
185.00	100.00	100.00
191.20	47.90	46.44
319.10	17.60	19.97
0.00	0.00	0.00

Manual Integration:

After

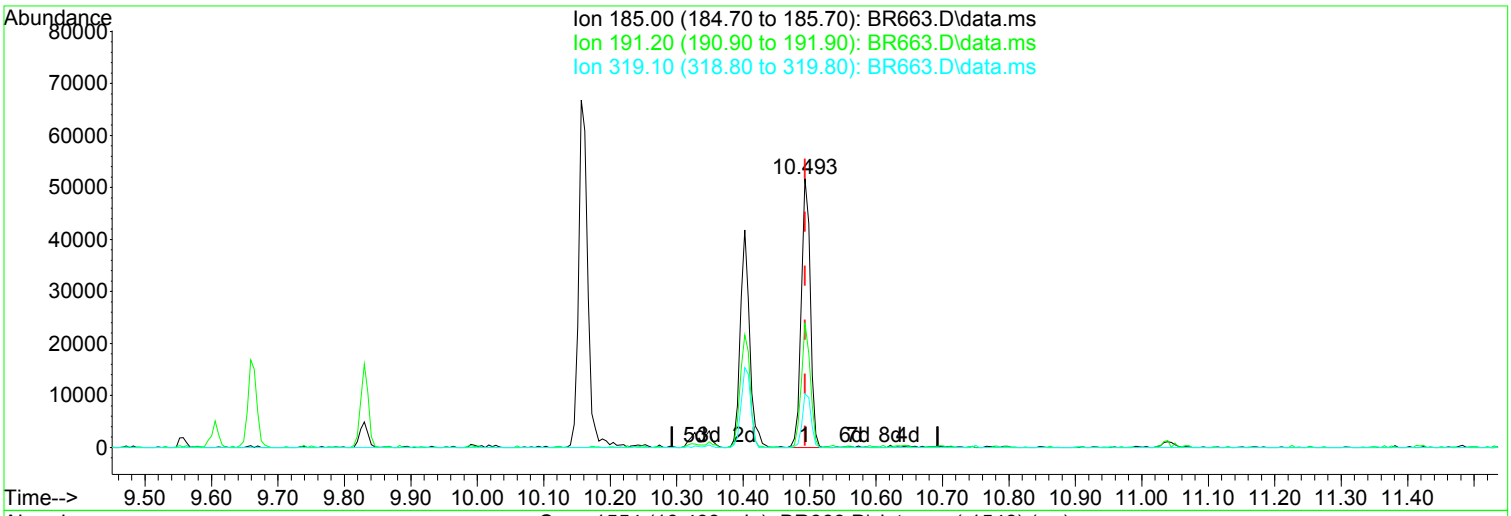
Split Peak.

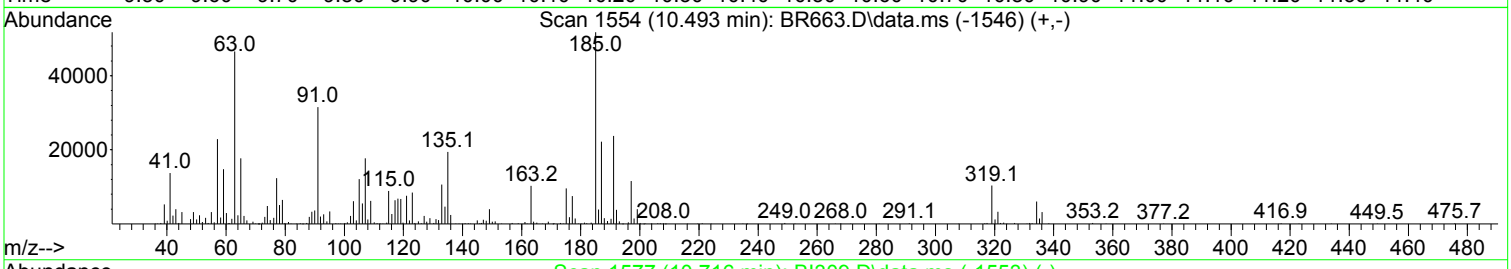
05/08/19

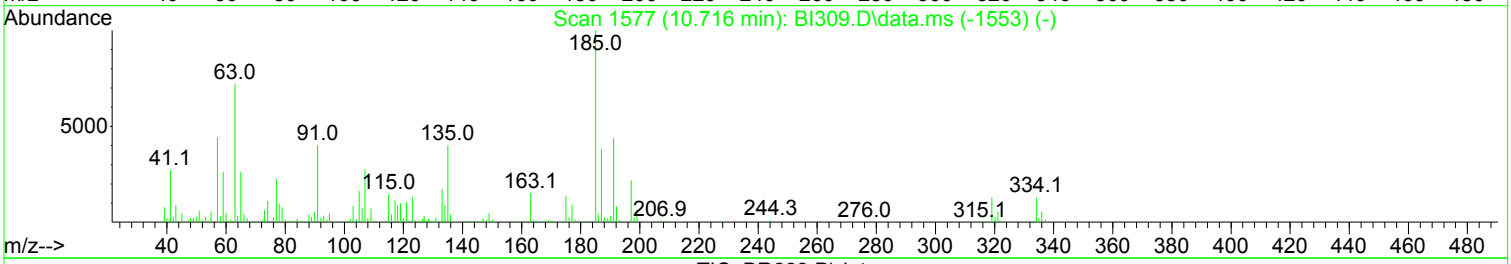
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\050719\
Data File : BR663.D
Acq On : 7 May 2019 1:01 pm
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270/625
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 08 11:00:13 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 08 10:59:50 2019
Response via : Initial Calibration







TIC: BR663.D\data.ms

(125) Aramite (TM)

10.493min (0.000) 42.28 ppm

response 48097

Ion	Exp%	Act%
185.00	100.00	100.00
191.20	47.90	45.85
319.10	17.60	19.97
0.00	0.00	0.00

Manual Integration:

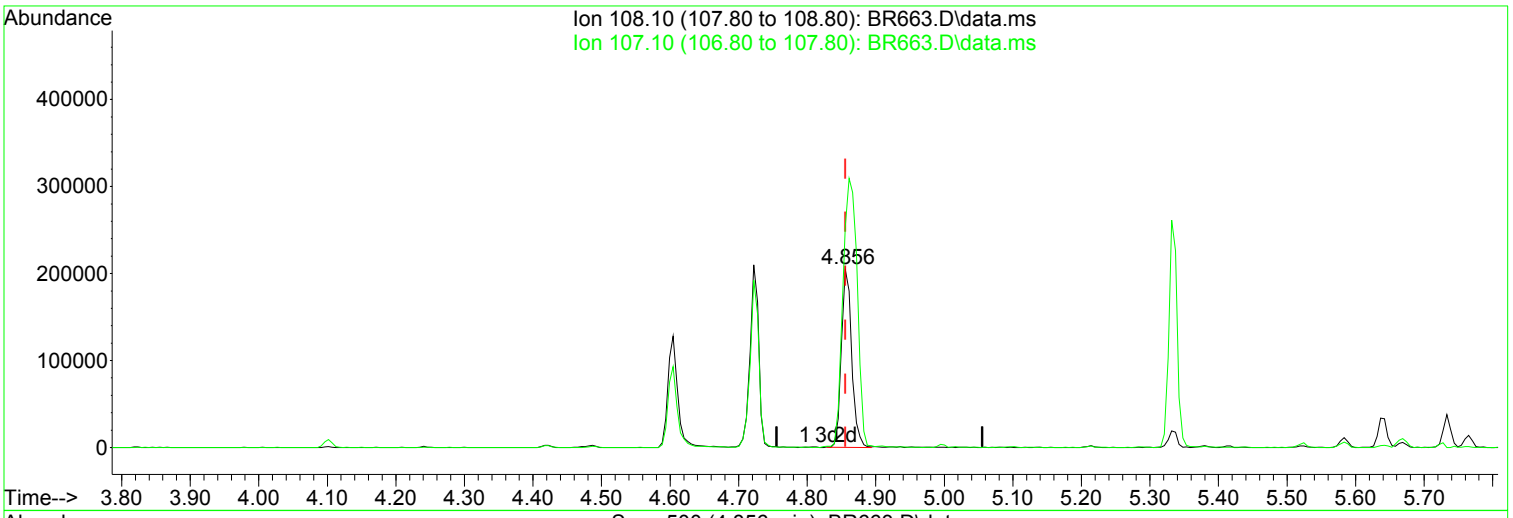
Before

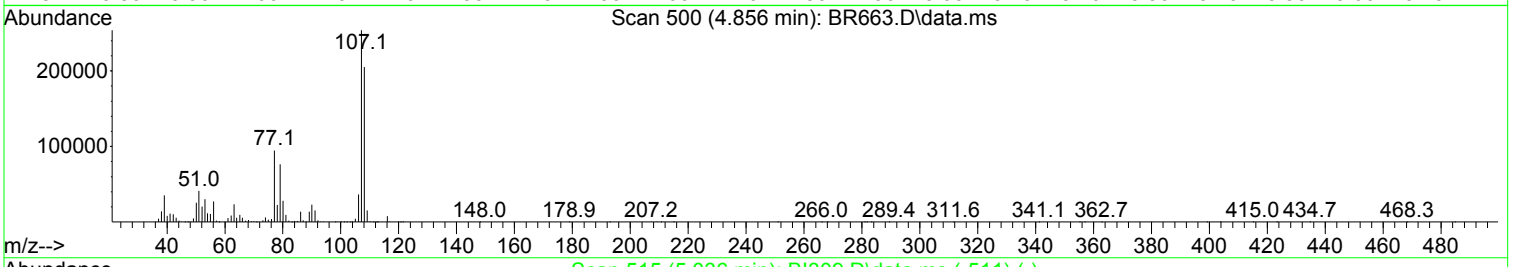
05/08/19

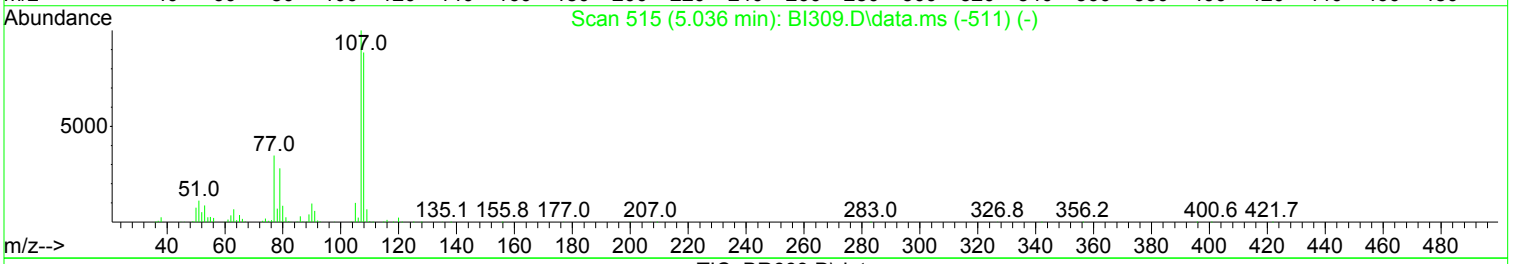
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\050719\
Data File : BR663.D
Acq On : 7 May 2019 1:01 pm
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270/625
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 08 11:00:13 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 08 10:59:50 2019
Response via : Initial Calibration







TIC: BR663.D\data.ms

(24) 3+4-Methylphenol (TM)

4.856min (0.000) 73.03 ppm m

response 215880

Ion	Exp%	Act%
108.10	100.00	100.00
107.10	91.00	123.86#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

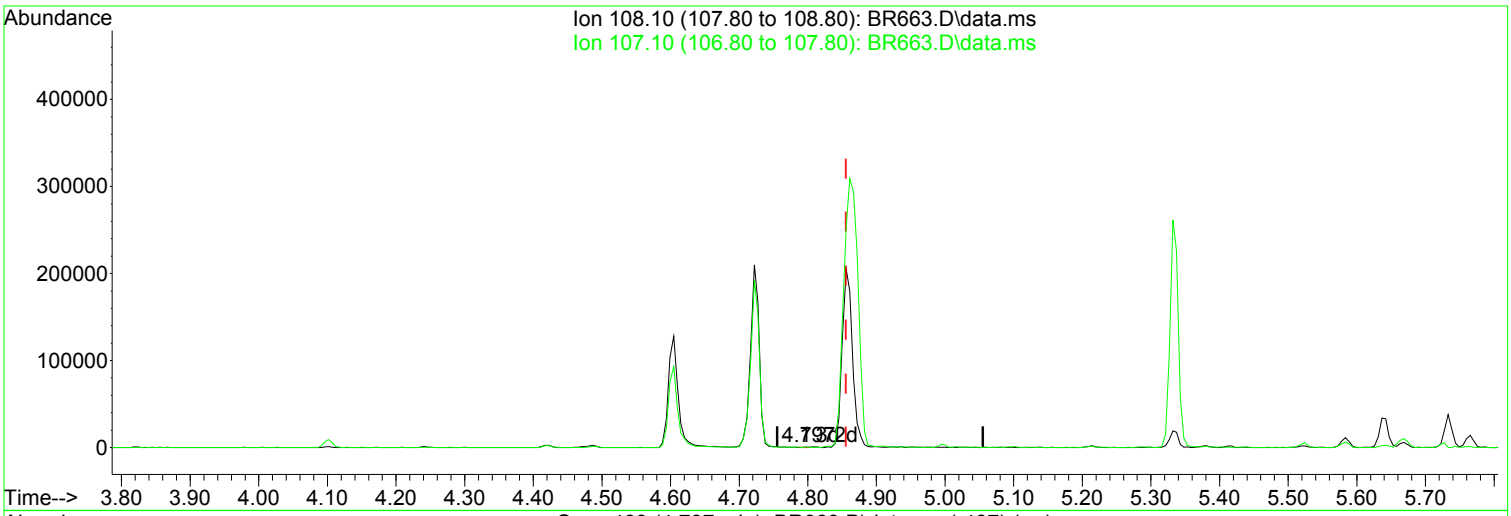
Peak not found.

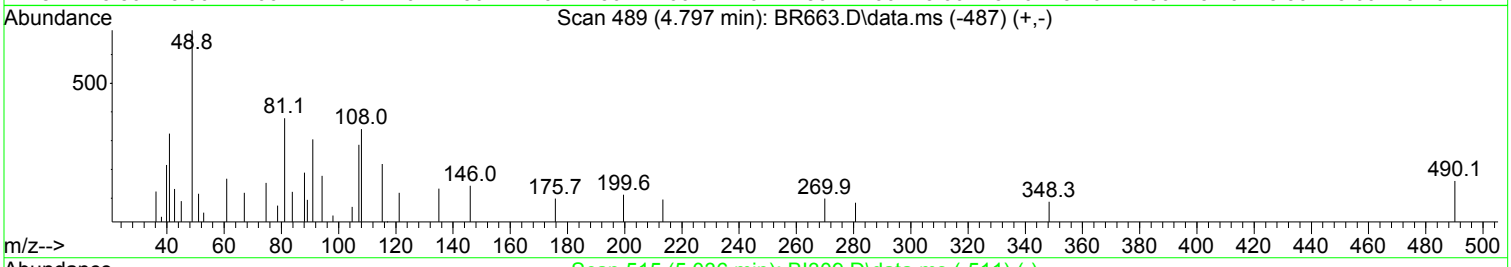
05/08/19

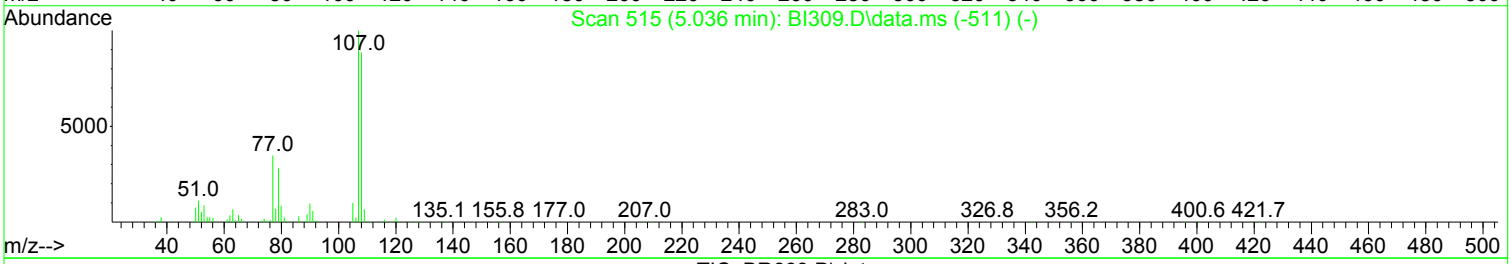
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\050719\
Data File : BR663.D
Acq On : 7 May 2019 1:01 pm
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270/625
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 08 11:00:13 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 08 10:59:50 2019
Response via : Initial Calibration







TIC: BR663.D\data.ms

(24) 3+4-Methylphenol (TM)

4.797min (-0.059) 0.15 ppm

response 450

Ion	Exp%	Act%
108.10	100.00	100.00
107.10	91.00	83.89
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

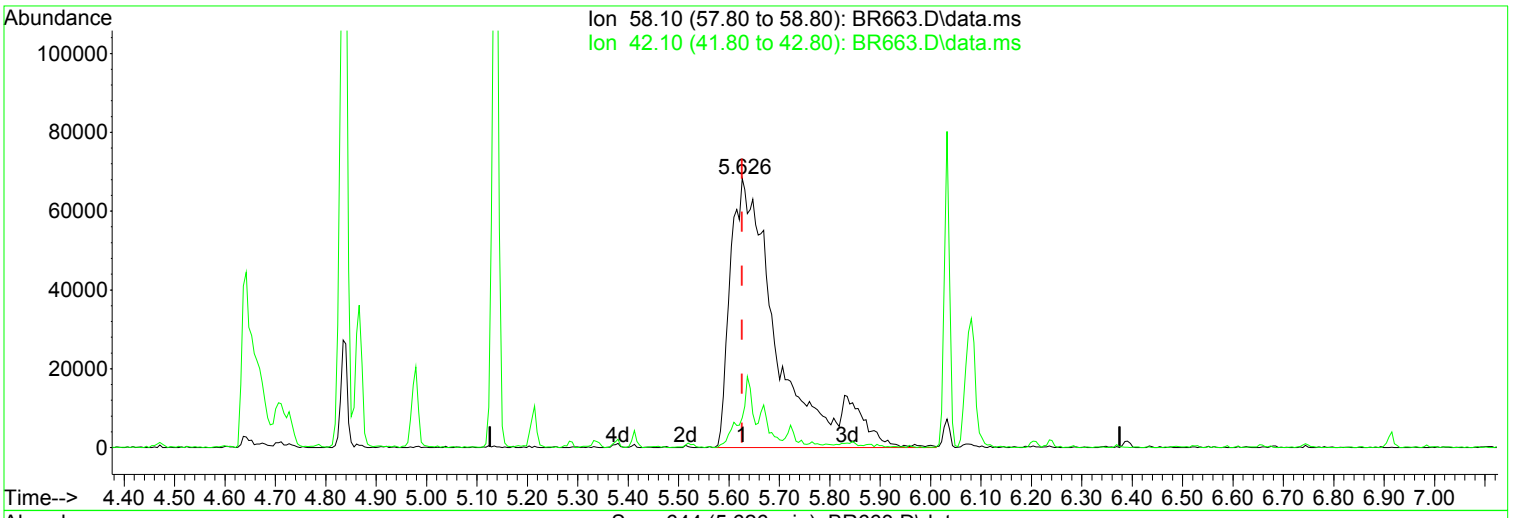
Before

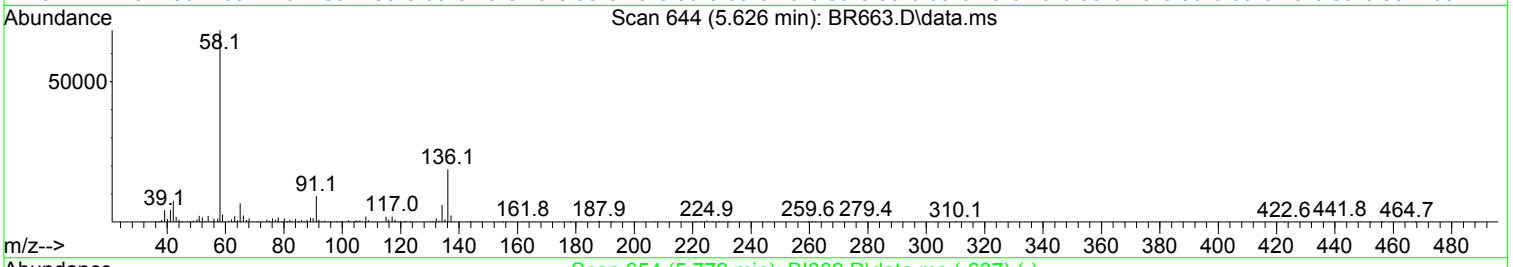
05/08/19

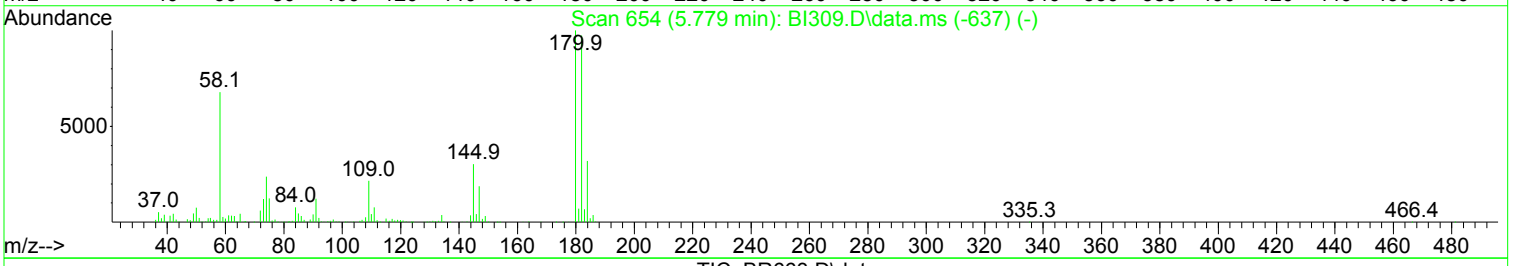
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\050719\
Data File : BR663.D
Acq On : 7 May 2019 1:01 pm
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270/625
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 08 11:00:13 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 08 10:59:50 2019
Response via : Initial Calibration







TIC: BR663.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

5.626min (0.000) 81.22 ppm m

response 449744

Ion	Exp%	Act%
58.10	100.00	100.00
42.10	6.70	11.06
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

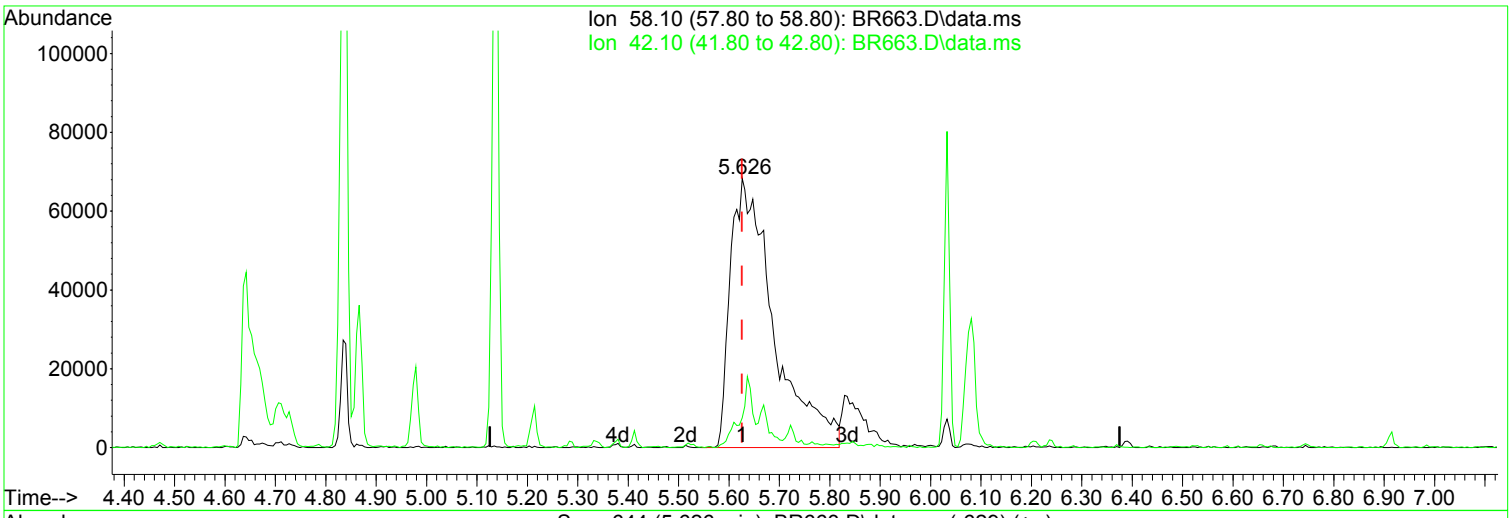
Poor integration.

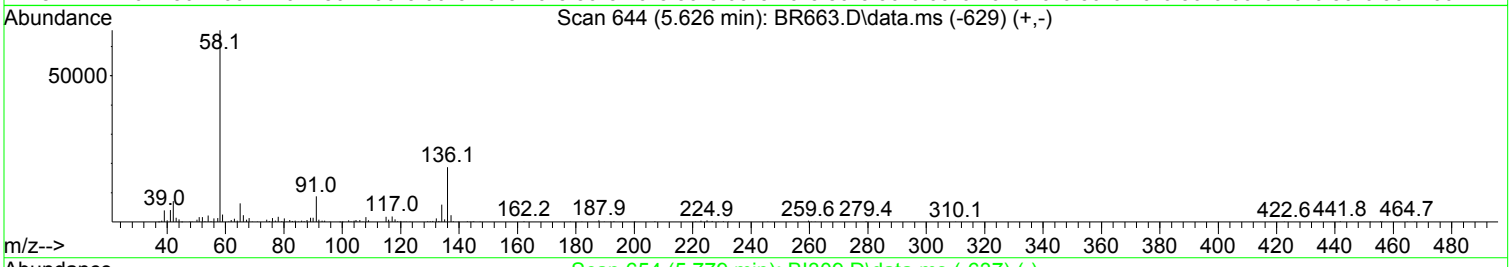
05/08/19

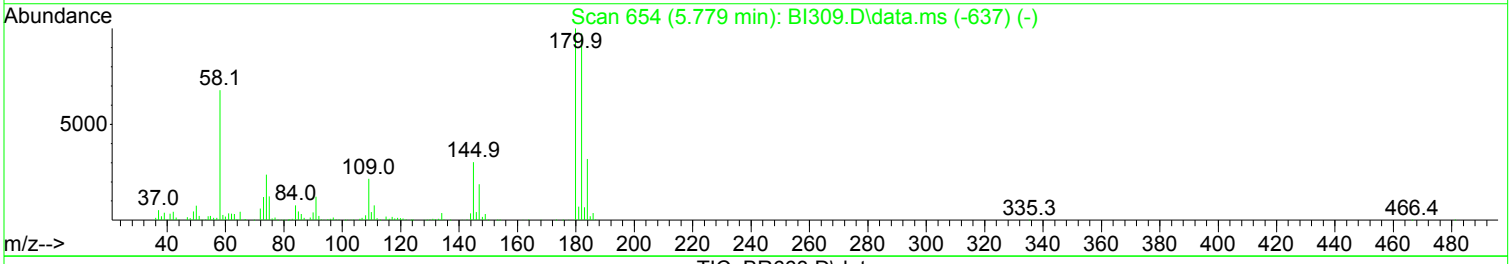
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\050719\
Data File : BR663.D
Acq On : 7 May 2019 1:01 pm
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270/625
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 08 11:00:13 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 08 10:59:50 2019
Response via : Initial Calibration







TIC: BR663.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

5.626min (0.000) 73.54 ppm

response 407247

Ion	Exp%	Act%
58.10	100.00	100.00
42.10	6.70	10.78
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

05/08/19

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\5973D\Data\050719\
Data File : BR663.D
Acq On : 7 May 2019 1:01 pm
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270/625
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 08 11:00:13 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 08 10:59:50 2019
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	AvgRF	CCRF	%D	%Dev	Area%	Dev(min)
1	IR	d4-1,4-Dichlorobenzene	1.000	1.000	0.0	91		-0.04
2	TM	Pyridine	1.372	1.309	4.6	85		-0.11
3	TM	N-Nitrosodimethylamine	0.808	0.778	3.7	84		-0.10
4	TM	2-Picoline	1.378	1.290	6.4	82		-0.07
5	TM	N-Nitrosomethylamine	0.681	0.683	-0.3	98		-0.07
6	TM	Methyl Methansulfonate	0.636	0.715	-12.4	102		-0.06
7	S	SURR1,2-FLUOROPHENOL	1.407	1.300	7.6	82		-0.05
8	TM	N-Nitrosodiethylamine	0.631	0.581	7.9	79		-0.05
9	TM	Ethyl Mathanesulfonate	1.171	1.105	5.6	85		-0.04
10	TM	Benzaldehyde	0.842	0.678	19.5	71		-0.04
11	TM	Aniline	2.336	2.101	10.1	80		-0.04
12	S	SURR2,PHENOL-D6	1.746	1.592	8.8	81		-0.03
13	TMC	Phenol	1.865	1.762	5.5	86		-0.03
14	TM	bis(2-Clethyl)Ether	1.213	1.081	10.9	80		-0.04
15	TM	Pentachloroethane	0.588	0.553	6.0	86		-0.04
16	TM	2-Chlorophenol	1.533	1.450	5.4	85		-0.04
17	TM	1,3-Diclbenzene	1.697	1.605	5.4	85		-0.04
18	TMC	1,4-Dichlorobenzene	1.726	1.636	5.2	86		-0.04
19	TM	1,2-Diclbenzene	1.664	1.579	5.1	85		-0.04
20	TM	Benzyl Alcohol	1.140	1.090	4.4	84		-0.03
21	T	1-Methyl-2-pyrrolidinone	0.946	0.859	9.2	80		-0.03
22	TM	2,2'-oxybis(1-Chloropropane	1.258	1.117	11.2	81		-0.04
23	TM	2-Methylphenol	1.330	1.210	9.0	80		-0.02
24	TM	3+4-Methylphenol	1.540	1.406	8.7	79		-0.03
25	TM	Acetophenone	2.022	1.872	7.4	83		-0.04
26	TMP	N-Nitroso-Di-n-propylamine	1.059	1.019	3.8	87		-0.03
27	TM	N-Nitrosopyrrolidine	0.747	0.688	7.9	81		-0.03
28	TM	N-Nitrosomorpholine	0.787	0.758	3.7	89		-0.03
29	TM	o-Toluidine	2.179	2.004	8.0	84		-0.04
30	TM	Hexachloroethane	0.692	0.676	2.3	87		-0.04
31	TM	o,o,o-Triethylphosphorothio	0.746	0.691	7.4	82		-0.04
32	TM	Alpha-terpinol	0.532	0.518	2.6	84		-0.04
33	IR	d8-Naphthalene	1.000	1.000	0.0	89		-0.04
34	S	SURR4,NITROBENZENE-D5	0.412	0.408	1.0	88		-0.04
35	TM	Nitrobenzene	0.420	0.391	6.9	82		-0.04
36	TM	N-Nitrosopiperidine	0.238	0.237	0.4	90		-0.03
37	TM	Isophorone	0.710	0.669	5.8	83		-0.03
38	TCM	2-Nitrophenol	0.221	0.205	7.2	82		-0.04
39	TM	Benzoic Acid	0.243	0.072	70.4#	25#		-0.02
40	TM	2,4-Dimethylphenol	0.402	0.382	5.0	83		-0.03
41	TM	bis(-2-Chloroethoxy)Methane	0.423	0.379	10.4	80		-0.04
42	TCM	2,4-Dichlorophenol	0.338	0.331	2.1	84		-0.03
43	TM	a,a-Dimethylphenethylamine	0.769	0.780	-1.4	96		-0.26
44	TM	1,2,4-Trichlorobenzene	0.380	0.364	4.2	87		-0.04
45	TM	Naphthalene	1.187	1.091	8.1	82		-0.04
46	TM	4-Chloroaniline	0.482	0.469	2.7	86		-0.04
47	TM	2,6-Dichlorophenol	0.358	0.353	1.4	87		-0.04
48	TCM	Hexachlorobutadiene	0.235	0.242	-3.0	94		-0.04
49	TM	Hexachloropropene	0.308	0.315	-2.3	91		-0.04
50	TMC	4-Chloro-3-methylphenol	0.325	0.316	2.8	85		-0.03
51	TM	N-N-di-n-butylamine	0.291	0.242	16.8	81		-0.04

1st DM 05/08/19
2nd BA 05/08/19

Data Path : I:\ACQUDATA\5973D\Data\050719\
Data File : BR663.D
Acq On : 7 May 2019 1:01 pm
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270/625
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 08 11:00:13 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 08 10:59:50 2019
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	AvgRF	CCRF	%D	%Dev	Area%	Dev(min)
52	TM	Caprolactam	0.112	0.098		12.5	79	-0.02
53	TM	p-Phenylenediamine	0.065	0.075		-15.4	106	-0.04
54	TM	Safrole	0.310	0.308		0.6	91	-0.04
55	TM	2-Methylnaphthalene	0.811	0.730		10.0	81	-0.04
56	TM	1-Methylnaphthalene	0.764	0.676		11.5	79	-0.04
57	IR	d10-Acenaphthene	1.000	1.000		0.0	92	-0.04
58	TPM	Hexachlorocyclopentadiene	0.368	0.323	20.7	~~12.2~~	69	-0.04
59	TM	1,2,4,5-Tetrachlorobenzene	0.708	0.673		4.9	86	-0.04
60	TM	1,2,3,4-Tetrachlorobenzene	0.738	0.725		1.8	88	-0.04
61	TCM	2,4,6-Trichlorophenol	0.422	0.398		5.7	79	-0.03
62	TM	2,4,5-Trichlorophenol	0.463	0.412		11.0	82	-0.03
63	S	SURR5,2-FLUOROBIPHENYL	1.568	1.478		5.7	83	-0.04
64	TM	Isosafrole	0.276	0.269		2.5	89	-0.04
65	TM	1,1'-Biphenyl	1.800	1.650		8.3	84	-0.04
66	TM	2-Chloronaphthalene	1.320	1.216		7.9	85	-0.04
67	TM	2-Nitroaniline	0.351	0.337		4.0	86	-0.03
68	TM	1,4-Naphthoquinone	0.394	0.364		7.6	84	-0.04
69	TM	m-Dinitrobenzene	0.238	0.223		6.3	80	-0.03
70	TM	Acenaphthylene	2.125	1.945		8.5	82	-0.04
71	TM	Dimethyl phthalate	1.598	1.462		8.5	85	-0.04
72	TM	2,6-Dinitrotoluene	0.344	0.331		3.8	83	-0.04
73	TMC	Acenaphthene	1.486	1.351		9.1	81	-0.04
74	TM	3-Nitroaniline	0.379	0.366		3.4	85	-0.03
75	TPM	2,4-Dinitrophenol	0.174	0.140	24.7	~~19.5~~	65	-0.03
76	TM	Dibenzofuran	1.939	1.749		9.8	80	-0.04
77	TM	2,4-Dinitrotoluene	0.486	0.465		4.3	84	-0.03
78	TMP	4-Nitrophenol	0.246	0.298		-21.1#	103	-0.02
79	TM	Pentachlorobenzene	0.683	0.636		6.9	87	-0.04
80	TM	1-Napthylamine	0.937	0.873		6.8	86	-0.04
81	TM	2-Napthylamine	1.163	1.109		4.6	86	-0.04
82	TM	2,3,4,6-Tetrachlorophenol	0.389	0.358		8.0	82	-0.03
83	TM	Fluorene	1.571	1.434		8.7	84	-0.04
84	TM	4-Chlorophenyl-phenylether	0.708	0.646		8.8	84	-0.04
85	TM	Diethylphthalate	1.681	1.570		6.6	85	-0.04
86	TM	4-Nitroaniline	0.402	0.362		10.0	81	-0.03
87	TM	5-Nitro-o-toluidine	0.454	0.435		4.2	86	-0.03
88	S	SURR3,2,4,6-TRIBROMOPHENOL	0.290	0.280		3.4	85	-0.04
89	TM	Sulfotepp	0.241	0.225		6.6	86	-0.04
90	TM	Octachlorocyclopentene	0.319	0.304		4.7	82	-0.05
91	IR	d10-Phenanthrene	1.000	1.000		0.0	93	-0.04
92	TM	Thionazin	0.136	0.121		11.0	80	-0.04
93	TM	4,6-Dinitro-2-methylphenol	0.164	0.136		17.1	73	-0.03
94	TM	Diphenylamine	0.673	0.619		8.0	85	-0.03
95	TM	1,2 Diphenylhydrazine	0.861	0.803		6.7	87	-0.04
96	TCM	N-Nitrosodiphenylamine	0.673	0.619		8.0	85	-0.03
97	TM	1,3,5-Trinirobenzene	0.081	0.076		6.2	82	-0.02
98	TM	Diallate	0.312	0.271		13.1	81	-0.04
99	TM	Phorate	0.160	0.138		13.7	79	-0.04
100	TM	Phenacetin	0.422	0.421		0.2	84	-0.03
101	TM	4-Bromophenyl-phenylether	0.250	0.238		4.8	87	-0.04

1st DM 05/08/19
2nd BA 05/08/19

Data Path : I:\ACQUDATA\5973D\Data\050719\
Data File : BR663.D
Acq On : 7 May 2019 1:01 pm
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270/625
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 08 11:00:13 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 08 10:59:50 2019
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	AvgRF	CCRF	%D	%Dev	Area%	Dev(min)
102	TM	Hexachlorobenzene	0.318	0.294		7.5	89	-0.04
103	TM	Dimethoate	0.261	0.221		15.3	78	-0.03
104	TM	Atrazine	0.089	0.106		-19.1	117	-0.03
105	TCM	Pentachlorophenol	0.174	0.127		27.0	65	-0.04
106	TM	4-Aminobiphenyl	0.655	0.662		-1.1	87	-0.04
107	TM	Pentachloronitrobenzene	0.135	0.136		-0.7	89	-0.04
108	TM	Pronamide	0.440	0.434		1.4	84	-0.04
109	TM	Dinoseb	0.232	0.203		12.5	76	-0.04
110	TM	Disulfoton	0.420	0.371		11.7	84	-0.04
111	TM	Phenanthrene	1.297	1.159		10.6	82	-0.04
112	TM	Anthracene	1.273	1.179		7.4	84	-0.04
113	TM	Carbazole	1.207	1.131		6.3	83	-0.04
114	TM	Di-n-butylphthalate	1.674	1.571		6.2	83	-0.04
115	TM	4-Nitroquinonline-1-oxide	0.090	0.060		33.3#	58	-0.04
116	TCM	Fluoranthene	1.423	1.359		4.5	84	-0.05
117	IR	d12-Chrysene	1.000	1.000		0.0	90	-0.06
118	TM	Methyl Parathion	0.230	0.235		-2.2	85	-0.04
119	TM	Ethyl Parathion	0.196	0.203		-3.6	85	-0.04
120	TM	Methapyrilene	0.161	0.198		-23.0#	107	-0.05
121	TM	Isodrin	0.137	0.133		2.9	85	-0.05
122	TM	Benzidine	0.690	0.736		-6.7	90	-0.04
123	TM	Pyrene	1.404	1.369		2.5	83	-0.05
124	S	SURR6,TERPHENYL-D14	1.002	0.928		7.4	82	-0.05
125	TM	Aramite	0.146	0.143		2.1	85	-0.03
126	TM	p-(Dimethylamino)azobenzene	0.345	0.358		-3.8	85	-0.05
127	TM	Chlorobenzilate	0.438	0.440		-0.5	84	-0.05
128	TM	Butyl benzyl phthalate	0.705	0.686		2.7	83	-0.06
129	TM	3,3-Dimethylbenzidine	0.754	0.735		2.5	81	-0.05
130	TM	2-Acetylaminofluorene	0.554	0.549		0.9	82	-0.05
131	TM	3,3'-Dichlorobenzidine	0.534	0.528		1.1	83	-0.06
132	TM	Benzo(a)anthracene	1.331	1.258		5.5	82	-0.06
133	TM	Chrysene	1.264	1.175		7.0	82	-0.06
134	TM	bis(2-Ethylhexyl)phthalate	1.017	0.973		4.3	83	-0.07
135	IR	d12-Perylene	1.000	1.000		0.0	90	-0.09
136	TCM	Di-n-octyl phthalate	1.613	1.561		3.2	82	-0.08
137	TM	7,12-Dimethylbenz(a)anthrac	0.604	0.594		1.7	84	-0.08
138	TM	Benzo(b)Fluoranthene	1.385	1.312		5.3	82	-0.07
139	TM	Benzo(k)fluoranthene	1.293	1.232		4.7	84	-0.08
140	TCM	Benzo(a)pyrene	1.154	1.135		1.6	83	-0.09
141	TM	3-Methylcholanthrene	0.674	0.646		4.2	82	-0.09
142	TM	Indeno(1,2,3-cd)Pyrene	1.181	1.135		3.9	83	-0.07
143	TM	Dibenz(a,h)anthracene	1.258	1.190		5.4	82	-0.07
144	TM	Benzo(g,h,i)perylene	1.039	0.974		6.3	83	-0.07

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

1st DM 05/08/19
2nd BA 05/08/19

Data Path : I:\ACQUDATA\5973D\Data\050719\
Data File : BR663.D
Acq On : 7 May 2019 1:01 pm
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270/625
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 08 11:00:13 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 08 10:59:50 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) d4-1,4-Dichlorobenzene	4.471	152	76788	40.00	ppm		0.00
33) d8-Naphthalene	5.637	136	288118	40.00	ppm		0.00
57) d10-Acenaphthene	7.338	164	167963	40.00	ppm		0.00
91) d10-Phenanthrene	8.798	188	303213	40.00	ppm		0.00
117) d12-Chrysene	11.889	240	312176	40.00	ppm		0.00
135) d12-Perylene	14.654	264	326249	40.00	ppm		0.00
System Monitoring Compounds							
7) SURR1,2-FLUOROPHENOL	3.385	112	199671	73.91	ppm		0.00
Spiked Amount 200.000	Range 10 - 70		Recovery = 36.95%				
12) SURR2,PHENOL-D6	4.171	99	244438	72.92	ppm		0.00
Spiked Amount 200.000	Range 10 - 107		Recovery = 36.46%				
34) SURR4,NITROBENZENE-D5	4.979	82	235107	79.20	ppm		0.00
Spiked Amount 100.000	Range 31 - 110		Recovery = 79.20%				
63) SURR5,2-FLUOROBIPHENYL	6.680	172	496421	75.40	ppm		0.00
Spiked Amount 100.000	Range 31 - 118		Recovery = 75.40%				
88) SURR3,2,4,6-TRIBROMOPH...	8.118	330	94017	77.24	ppm		0.00
Spiked Amount 200.000	Range 35 - 141		Recovery = 38.62%				
124) SURR6,TERPHENYL-D14	10.424	244	579606	74.14	ppm		0.00
Spiked Amount 100.000	Range 10 - 165		Recovery = 74.14%				
Target Compounds							Qvalue
2) Pyridine	2.288	79	201033	76.347	ppm		96
3) N-Nitrosodimethylamine	2.262	74	119465	77.064	ppm		75
4) 2-Picoline	2.904	93	198145	74.920	ppm		100
5) N-Nitrosomethylamine	2.994	42	104856	80.251	ppm		94
6) Methyl Methansulfonate	3.246	80	109776	89.927	ppm		88
8) N-Nitrosodiethylamine	3.567	102	89264	73.748	ppm		98
9) Ethyl Mathanesulfonate	3.818	79	169712	75.492	ppm		96
10) Benzaldehyde	4.102	106	104138	64.415	ppm		98
11) Aniline	4.193	93	322600	71.925	ppm		79
13) Phenol	4.182	94	270624	75.587	ppm		71
14) bis(2-Clethyl)Ether	4.241	93	166084	71.302	ppm		93
15) Pentachloroethane	4.230	117	84998	75.332	ppm		97
16) 2-Chlorophenol	4.300	128	222760	75.700	ppm		96
17) 1,3-Diclbenzene	4.423	146	246472	75.658	ppm		96
18) 1,4-Dichlorobenzene	4.487	146	251279	75.834	ppm		99
19) 1,2-Diclbenzene	4.620	146	242558	75.934	ppm		98
20) Benzyl Alcohol	4.604	79	167356	76.477	ppm		97
21) 1-Methyl-2-pyrrolidinone	4.642	99	131976	72.663	ppm		90
22) 2,2'-oxybis(1-Chloropr...	4.706	45	171501	71.028	ppm	#	64
23) 2-Methylphenol	4.722	108	185884	72.793	ppm		96
24) 3+4-Methylphenol	4.856	108	215880m	73.033	ppm		
25) Acetophenone	4.834	105	287500	74.052	ppm		82
26) N-Nitroso-Di-n-propyla...	4.840	70	156567	77.004	ppm		90
27) N-Nitrosopyrrolidine	4.834	100	105595	73.595	ppm		89
28) N-Nitrosomorpholine	4.866	56	116467	77.119	ppm		89
29) o-Toluidine	4.866	106	307825	73.577	ppm		93
30) Hexachloroethane	4.920	117	103877	78.249	ppm		93
31) o,o,o-Triethylphosphor...	5.380	198	106161	74.101	ppm		85
32) Alpha-terpinol	5.669	121	79553	77.950	ppm		86
35) Nitrobenzene	4.995	77	225453	74.609	ppm		94
36) N-Nitrosopiperidine	5.139	42	136471	79.514	ppm		94
37) Isophorone	5.214	82	385415	75.387	ppm		98
38) 2-Nitrophenol	5.284	139	118359	74.294	ppm		82

Data Path : I:\ACQUDATA\5973D\Data\050719\
Data File : BR663.D
Acq On : 7 May 2019 1:01 pm
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270/625
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 08 11:00:13 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 08 10:59:50 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) Benzoic Acid	5.439	105	41337	23.594	ppm		90
40) 2,4-Dimethylphenol	5.332	107	219882	75.874	ppm		94
41) bis(-2-Chloroethoxy)Me...	5.412	93	218163	71.586	ppm		99
42) 2,4-Dichlorophenol	5.524	162	190657	78.276	ppm		97
43) a,a-Dimethylphenethyla...	5.626	58	449744m	81.217	ppm		
44) 1,2,4-Trichlorobenzene	5.583	180	209996	76.654	ppm		99
45) Naphthalene	5.658	128	628779	73.520	ppm		99
46) 4-Chloroaniline	5.722	127	270217	77.819	ppm		98
47) 2,6-Dichlorophenol	5.728	162	203624	78.977	ppm		94
48) Hexachlorobutadiene	5.765	225	139580	82.507	ppm		98
49) Hexachloropropene	5.733	213	181344	81.783	ppm		99
50) 4-Chloro-3-methylphenol	6.204	107	182155	77.873	ppm		99
51) N-N-di-n-butylamine	6.032	84	139703	66.548	ppm		99
52) Caprolactam	6.081	113	56738	70.407	ppm		96
53) p-Phenylenediamine	6.075	80	43058	92.433	ppm		95
54) Safrole	6.241	162	177348	79.366	ppm		98
55) 2-Methylnaphthalene	6.321	142	420842	72.077	ppm		95
56) 1-Methylnaphthalene	6.418	142	389696	70.819	ppm		97
58) Hexachlorocyclopentadiene	6.466	237	108543	63.478	ppm		98
59) 1,2,4,5-Tetrachloroben...	6.482	216	225943	76.035	ppm		97
60) 1,2,3,4-Tetrachloroben...	6.760	216	243461	78.522	ppm		97
61) 2,4,6-Trichlorophenol	6.610	196	133747	75.451	ppm		91
62) 2,4,5-Trichlorophenol	6.658	196	138424	71.259	ppm		99
64) Isosafrole	6.744	104	90348	78.077	ppm		88
65) 1,1'-Biphenyl	6.776	154	554429	73.367	ppm		99
66) 2-Chloronaphthalene	6.797	162	408474	73.718	ppm		94
67) 2-Nitroaniline	6.915	65	113072	76.687	ppm		96
68) 1,4-Naphthoquinone	6.985	158	122144	73.825	ppm		86
69) m-Dinitrobenzene	7.134	168	74951	75.104	ppm		90
70) Acenaphthylene	7.198	152	653371	73.207	ppm		98
71) Dimethyl phthalate	7.086	163	491120	73.197	ppm		99
72) 2,6-Dinitrotoluene	7.150	165	111212	77.034	ppm		95
73) Acenaphthene	7.370	153	453971	72.766	ppm		98
74) 3-Nitroaniline	7.322	138	122897	77.305	ppm		99
75) 2,4-Dinitrophenol	7.434	184	47017	60.246	ppm		95
76) Dibenzofuran	7.541	168	587582	72.160	ppm		82
77) 2,4-Dinitrotoluene	7.551	165	156043	76.520	ppm		76
78) 4-Nitrophenol	7.530	65	100076	96.835	ppm	#	1
79) Pentachlorobenzene	7.498	250	213495	74.428	ppm		97
80) 1-Napthylamine	7.626	143	293150	74.542	ppm		98
81) 2-Napthylamine	7.707	143	372518	76.287	ppm		100
82) 2,3,4,6-Tetrachlorophenol	7.675	232	120153	73.624	ppm		95
83) Fluorene	7.878	166	481801	73.022	ppm		99
84) 4-Chlorophenyl-phenyle...	7.878	204	216902	72.966	ppm		97
85) Diethylphthalate	7.776	149	527497	74.735	ppm		100
86) 4-Nitroaniline	7.926	138	121637	72.019	ppm		86
87) 5-Nitro-o-toluidine	7.910	152	146049	76.602	ppm		92
89) Sulfotepp	8.156	322	75644	74.660	ppm		89
90) Octachlorocyclopentene	8.113	307	102007	76.144	ppm		99
92) Thionazin	7.851	107	73248	71.062	ppm		97
93) 4,6-Dinitro-2-methylph...	7.947	198	82415	66.159	ppm		84
94) Diphenylamine	8.006	169	750472	147.058	ppm		99
95) 1,2 Diphenylhydrazine	8.033	77	486847	74.615	ppm		97
96) N-Nitrosodiphenylamine	8.006	169	750472	147.046	ppm		99
97) 1,3,5-Trinirobenzene	8.322	213	46290	75.694	ppm	#	43
98) Diallate	8.274	86	164248	69.447	ppm		90

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973D\Data\050719\
Data File : BR663.D
Acq On : 7 May 2019 1:01 pm
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270/625
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 08 11:00:13 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 08 10:59:50 2019
Response via : Initial Calibration

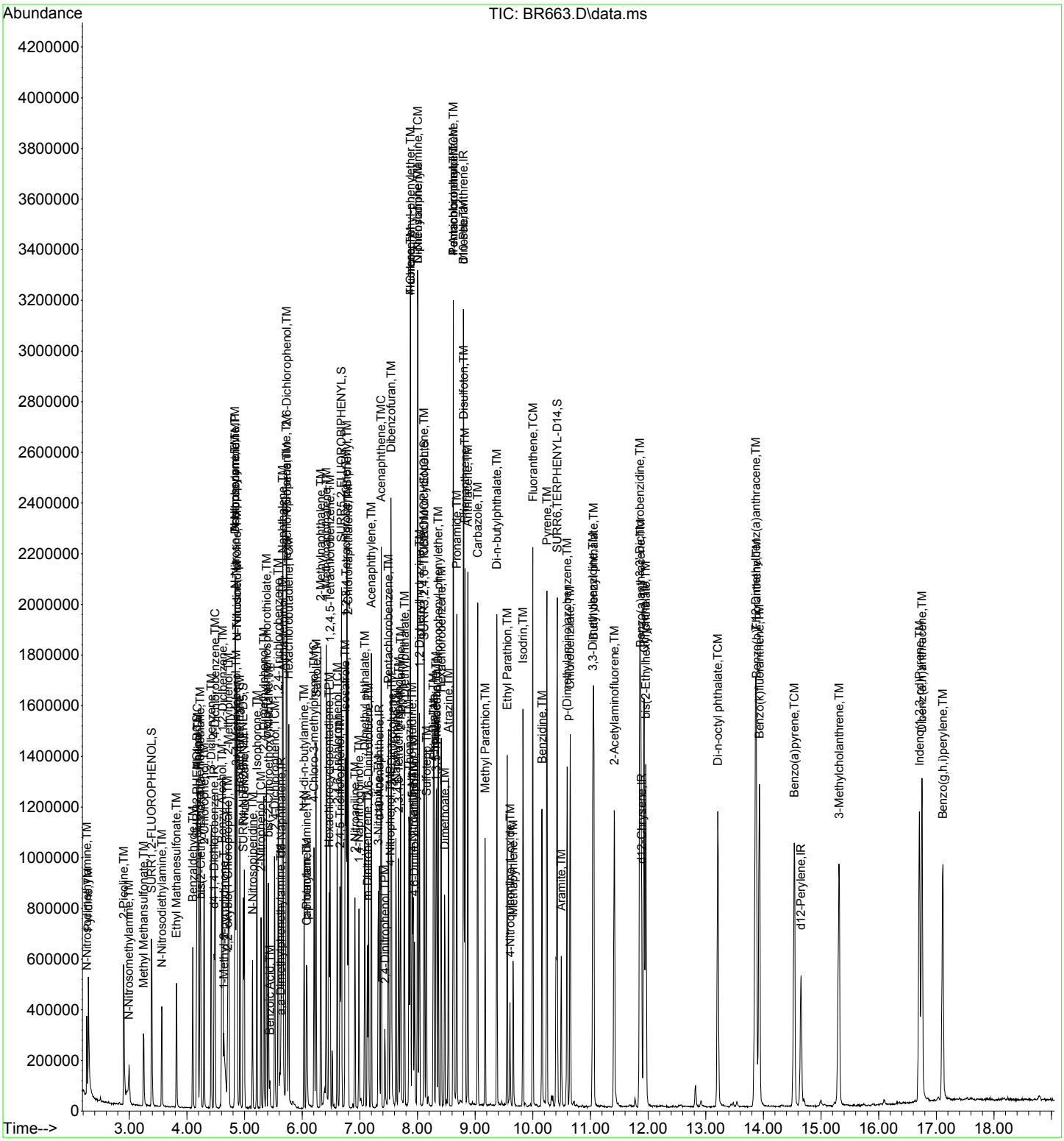
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
99) Phorate	8.290	121	83952	69.059	ppm	94
100) Phenacetin	8.332	108	255279	79.792	ppm	99
101) 4-Bromophenyl-phenylether	8.359	248	144313	76.066	ppm	96
102) Hexachlorobenzene	8.413	284	178022	73.777	ppm	97
103) Dimethoate	8.471	87	133814	67.544	ppm	88
104) Atrazine	8.536	215	64112	94.622	ppm	81
105) Pentachlorophenol	8.621	266	77217	58.524	ppm	95
106) 4-Aminobiphenyl	8.621	169	401737	80.852	ppm	98
107) Pentachloronitrobenzene	8.621	237	82603	80.445	ppm	95
108) Pronamide	8.680	173	263319	78.999	ppm	99
109) Dinoseb	8.798	211	123270	69.982	ppm	98
110) Disulfoton	8.803	88	225078	70.773	ppm	85
111) Phenanthrene	8.824	178	702557	71.478	ppm	98
112) Anthracene	8.873	178	715107	74.101	ppm	99
113) Carbazole	9.044	167	685864	74.977	ppm	98
114) Di-n-butylphthalate	9.375	149	952861	75.078	ppm	98
115) 4-Nitroquinonline-1-oxide	9.605	190	36157	53.202	ppm	97
116) Fluoranthene	10.001	202	824190	76.394	ppm	98
118) Methyl Parathion	9.172	109	146525	81.561	ppm	91
119) Ethyl Parathion	9.557	97	126484	82.747	ppm	98
120) Methapyrilene	9.659	58	123571	98.316	ppm	97
121) Isodrin	9.830	193	82874	77.697	ppm	98
122) Benzidine	10.162	184	459805	85.422	ppm	96
123) Pyrene	10.247	202	854465	77.962	ppm	100
125) Aramite	10.493	185	89101m	78.319	ppm	
126) p-(Dimethylamino)azobe...	10.595	120	223234	82.844	ppm	97
127) Chlorobenzilate	10.648	139	274863	80.344	ppm	99
128) Butyl benzyl phthalate	11.055	149	428430	77.913	ppm	95
129) 3,3-Dimethylbenzidine	11.044	212	458857	78.003	ppm	98
130) 2-Acetylaminofluorene	11.413	181	342930	79.327	ppm	99
131) 3,3'-Dichlorobenzidine	11.857	252	329539	79.031	ppm	98
132) Benzo(a)anthracene	11.873	228	785528	75.615	ppm	99
133) Chrysene	11.932	228	733695	74.358	ppm	99
134) bis(2-Ethylhexyl)phtha...	11.959	149	607529	76.534	ppm	96
136) Di-n-octyl phthalate	13.210	149	1018867	77.430	ppm	98
137) 7,12-Dimethylbenz(a)an...	13.868	256	387747	78.714	ppm	99
138) Benzo(b)Fluoranthene	13.879	252	856100	75.758	ppm	97
139) Benzo(k)fluoranthene	13.932	252	804194	76.241	ppm	98
140) Benzo(a)pyrene	14.537	252	740803	78.678	ppm	99
141) 3-Methylcholanthrene	15.312	268	421492	76.718	ppm	96
142) Indeno(1,2,3-cd)Pyrene	16.708	276	740785	76.898	ppm	94
143) Dibenz(a,h)anthracene	16.751	278	776717	75.691	ppm	99
144) Benzo(g,h,i)perylene	17.115	276	635464	75.007	ppm	93

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

1st JM 05/08/19
2nd BA 05/08/19

Data Path : I:\ACQUDATA\5973D\Data\050719\
Data File : BR663.D
Acq On : 7 May 2019 1:01 pm
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270/625
ALS Vial : 3 Sample Multiplier: 1

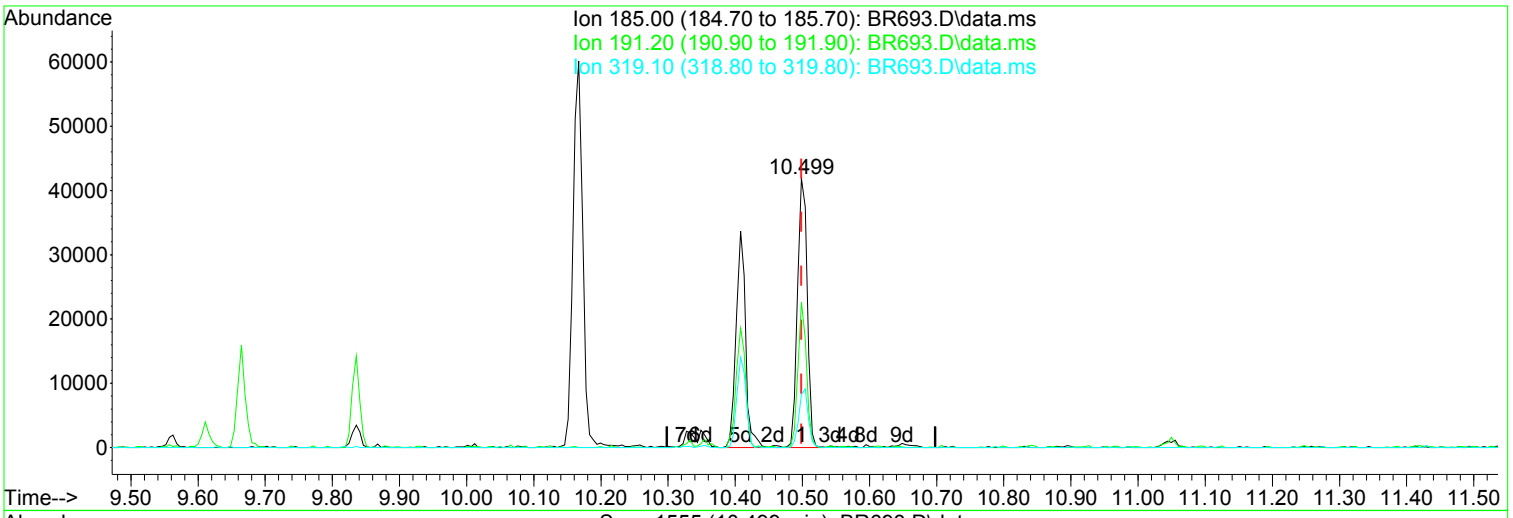
Quant Time: May 08 11:00:13 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 08 10:59:50 2019
Response via : Initial Calibration

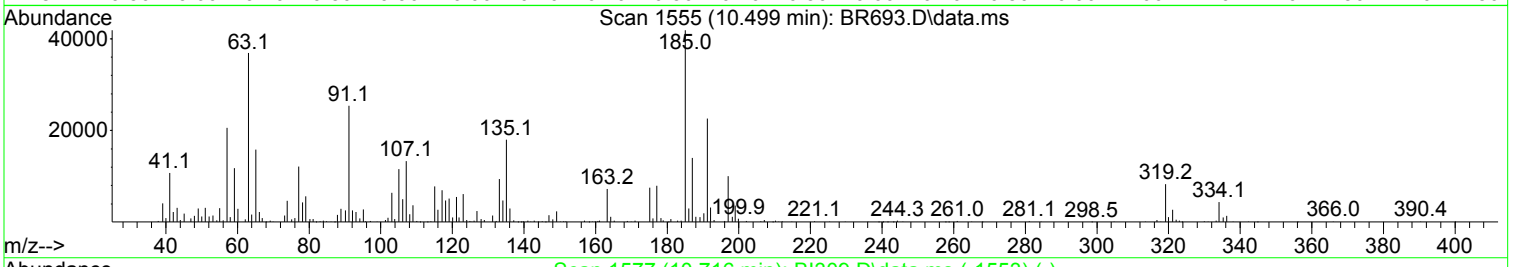


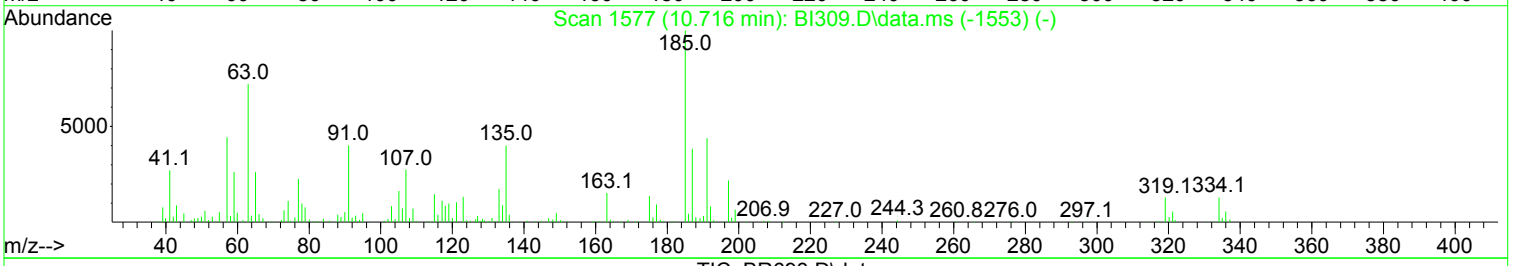
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\050819\
Data File : BR693.D
Acq On : 8 May 2019 8:09 am
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270/625
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 09 06:31:35 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Thu May 09 06:31:23 2019
Response via : Initial Calibration







TIC: BR693.D\data.ms

(125) Aramite (TM)

10.499min (0.000) 80.94 ppm m

response 75473

Ion	Exp%	Act%
185.00	100.00	100.00
191.20	47.90	53.98
319.10	17.60	19.78
0.00	0.00	0.00

Manual Integration:

After

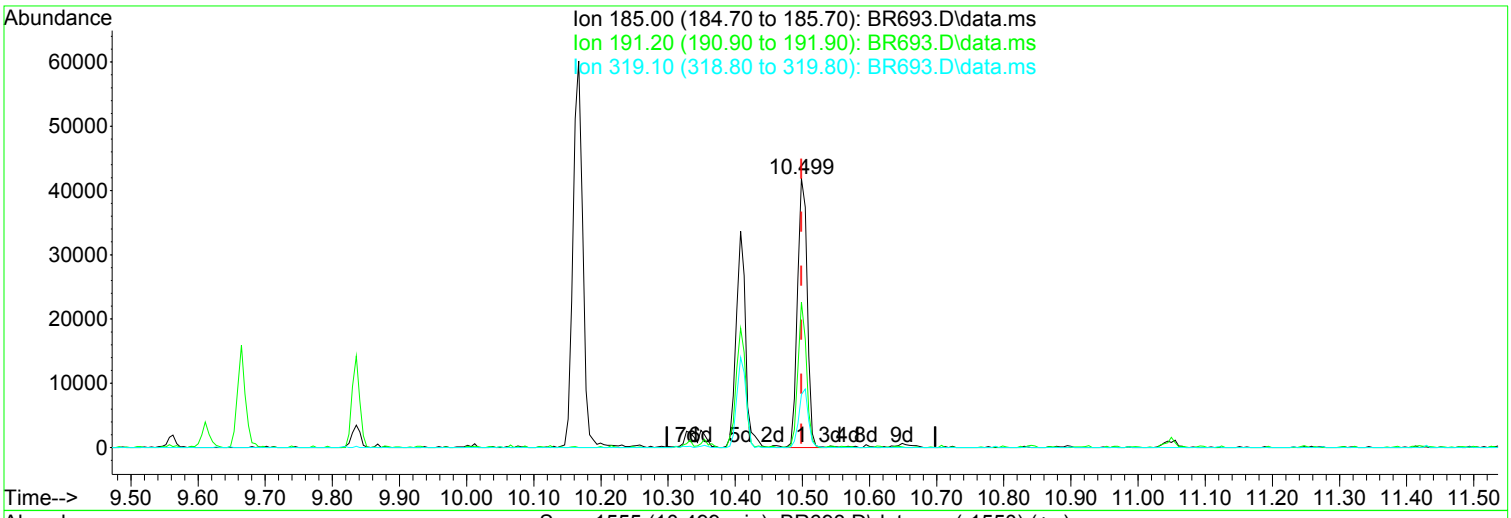
Split Peak.

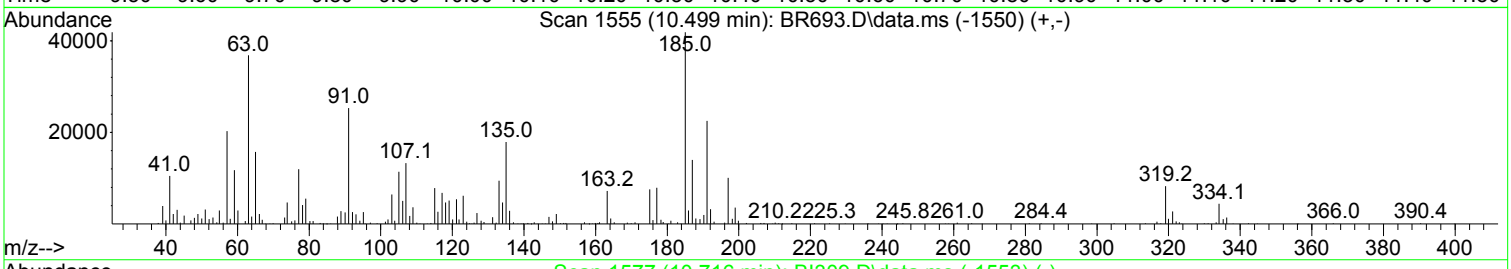
05/09/19

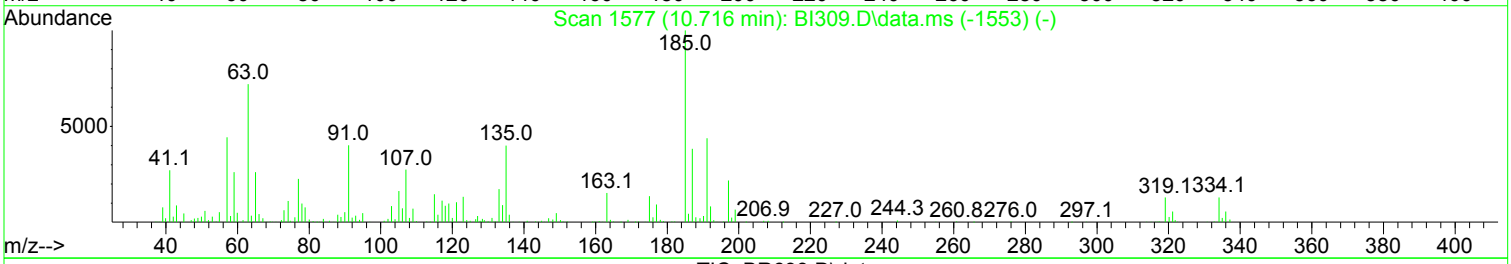
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\050819\
Data File : BR693.D
Acq On : 8 May 2019 8:09 am
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270/625
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 09 06:31:35 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Thu May 09 06:31:23 2019
Response via : Initial Calibration







TIC: BR693.D\data.ms

(125) Aramite (TM)

10.499min (0.000) 45.06 ppm

response 42015

Ion	Exp%	Act%
185.00	100.00	100.00
191.20	47.90	53.73
319.10	17.60	19.78
0.00	0.00	0.00

Manual Integration:

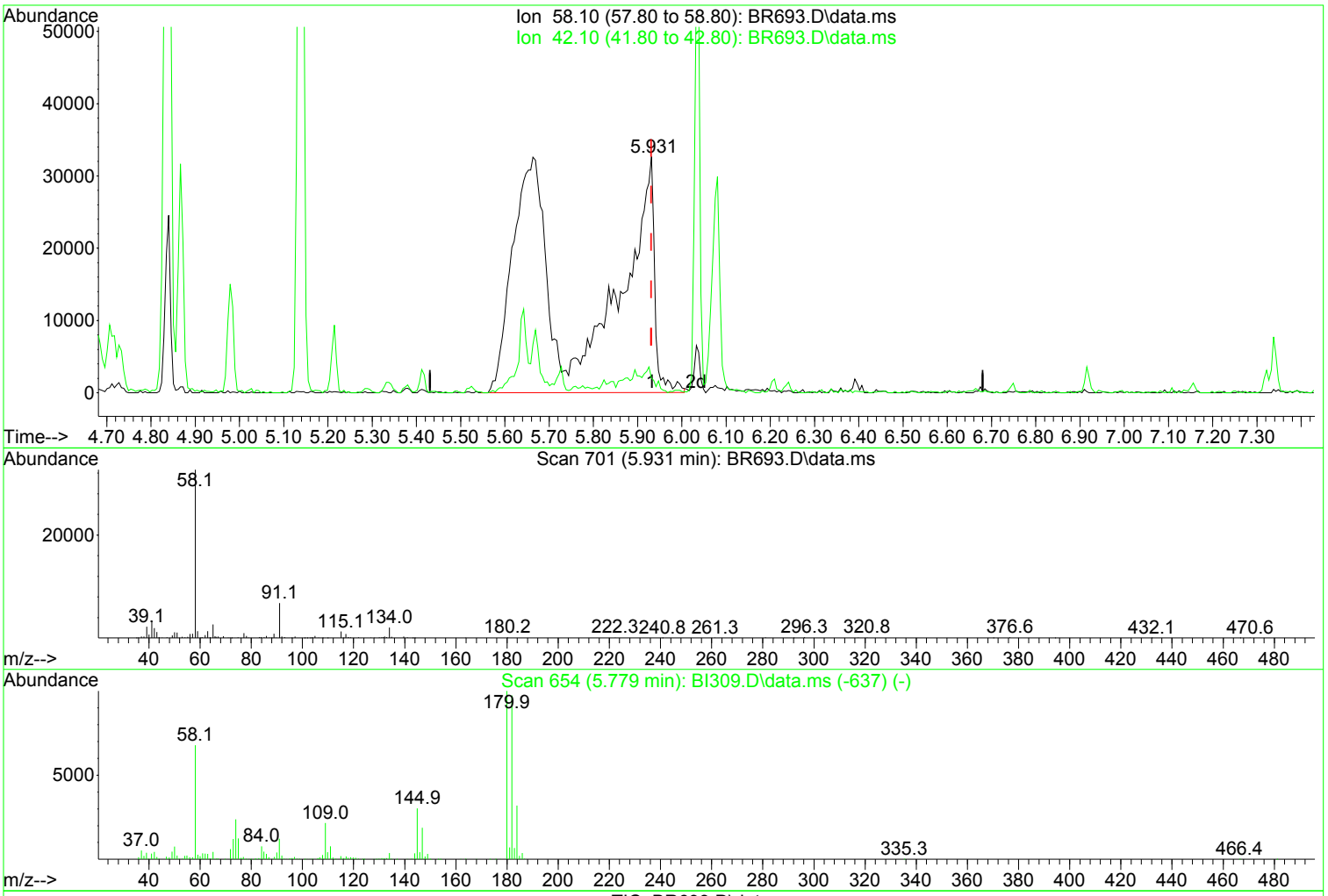
Before

05/09/19

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\050819\
Data File : BR693.D
Acq On : 8 May 2019 8:09 am
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270/625
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 09 06:31:35 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Thu May 09 06:31:23 2019
Response via : Initial Calibration



TIC: BR693.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

5.931min (0.000) 79.19 ppm m

response 332643

Ion	Exp%	Act%
58.10	100.00	100.00
42.10	6.70	6.15
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

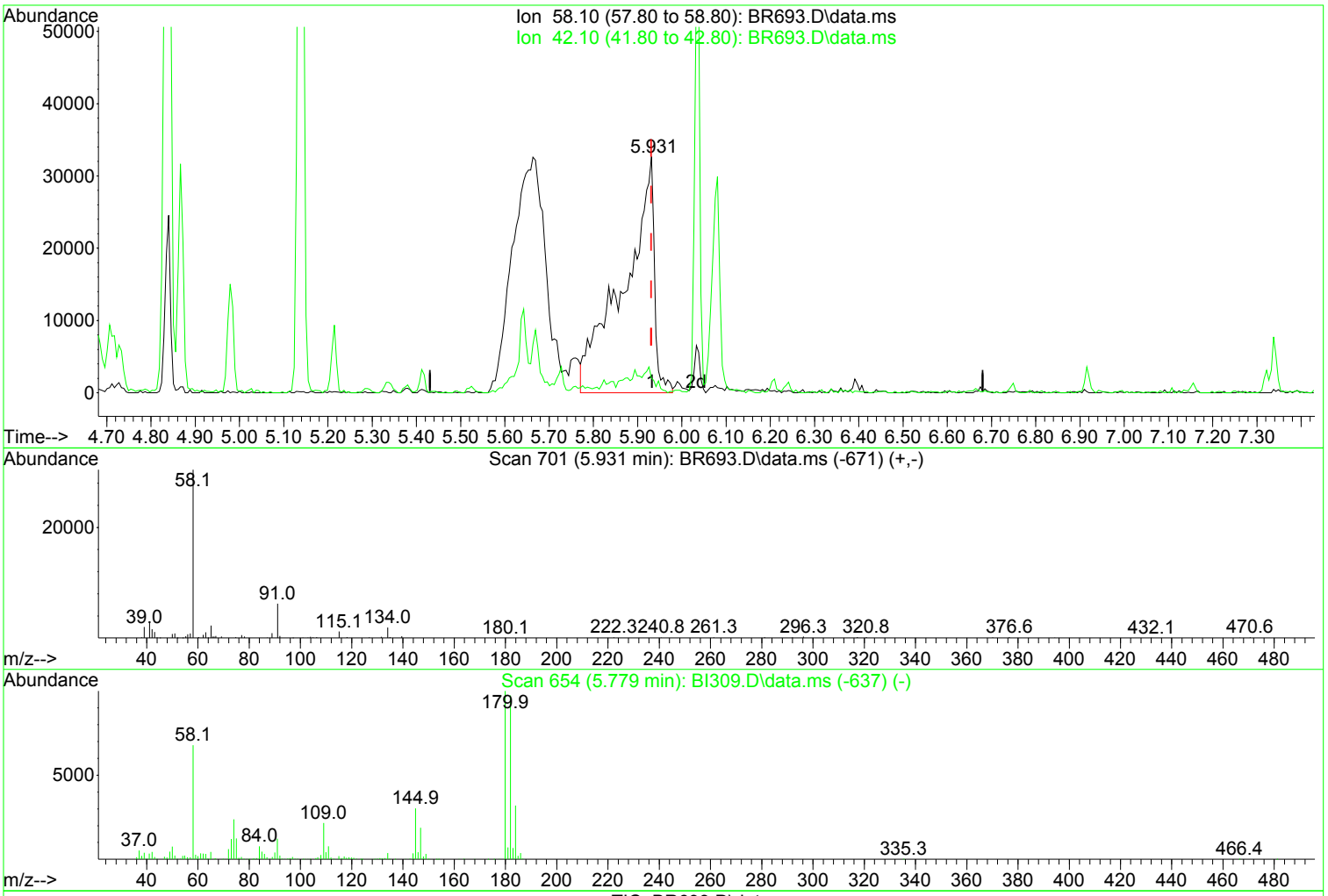
Poor integration.

05/09/19

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\050819\
Data File : BR693.D
Acq On : 8 May 2019 8:09 am
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270/625
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 09 06:31:35 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Thu May 09 06:31:23 2019
Response via : Initial Calibration



TIC: BR693.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

5.931min (0.000) 36.82 ppm

response 154666

Ion	Exp%	Act%
58.10	100.00	100.00
42.10	6.70	5.21
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

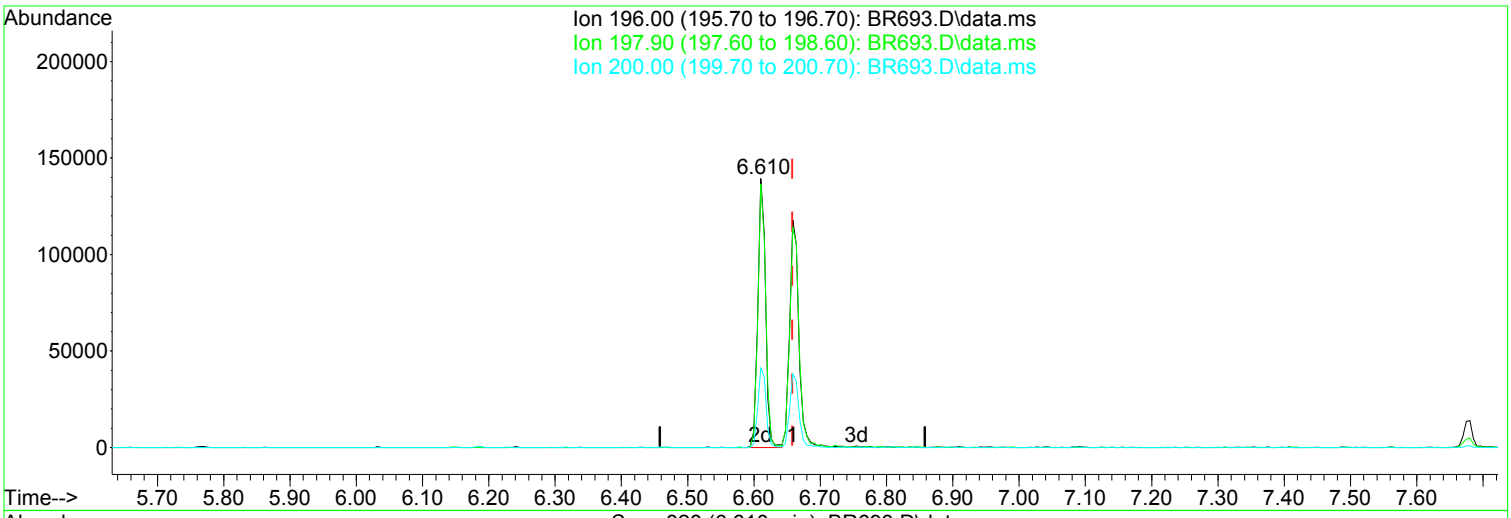
Before

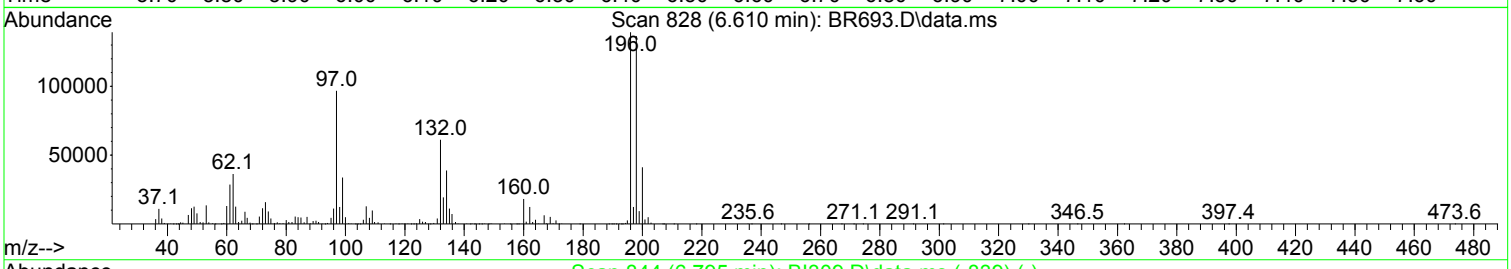
05/09/19

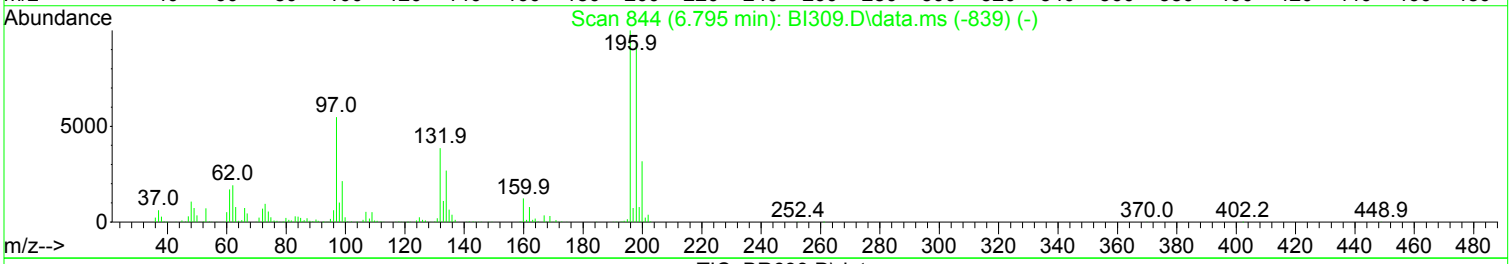
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\050819\
Data File : BR693.D
Acq On : 8 May 2019 8:09 am
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270/625
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 09 06:31:35 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Thu May 09 06:31:23 2019
Response via : Initial Calibration







TIC: BR693.D\data.ms

(61) 2,4,6-Trichlorophenol (TCM)

6.610min (-0.048) 83.52 ppm m

response 113049

Ion	Exp%	Act%
196.00	100.00	100.00
197.90	94.90	97.98
200.00	29.70	29.52
0.00	0.00	0.00

Manual Integration:

After

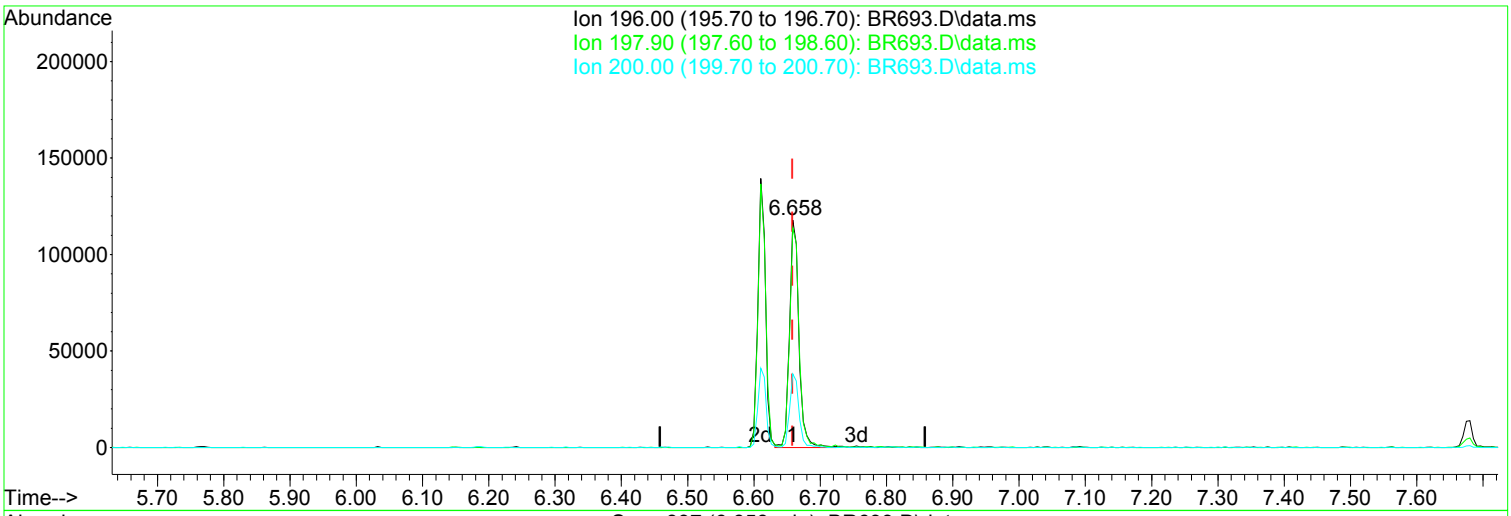
Wrong peak selected.

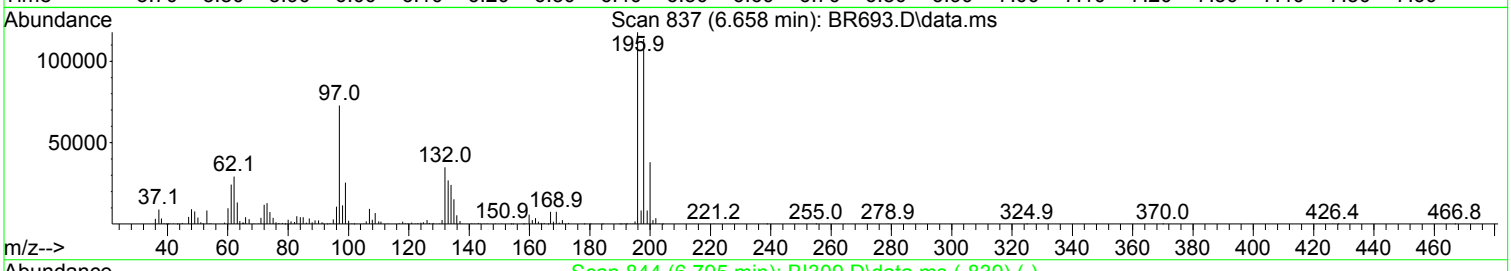
05/09/19

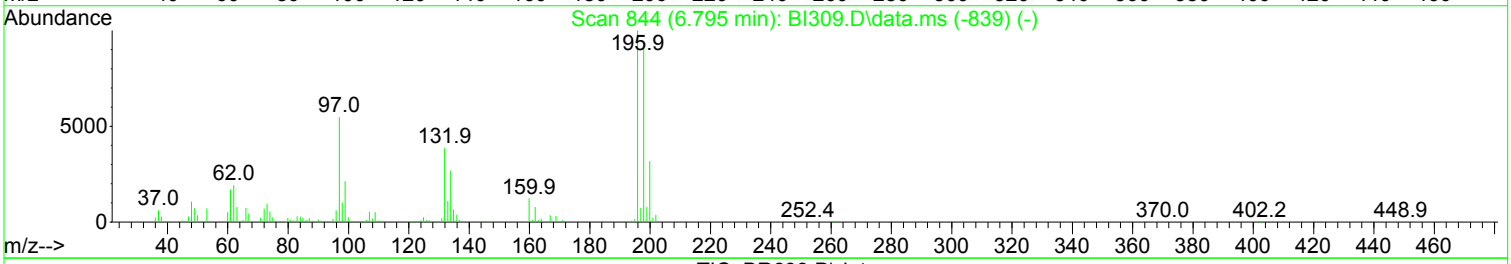
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\050819\
Data File : BR693.D
Acq On : 8 May 2019 8:09 am
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270/625
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 09 06:31:35 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Thu May 09 06:31:23 2019
Response via : Initial Calibration







TIC: BR693.D\data.ms

(61) 2,4,6-Trichlorophenol (TCM)

6.658min (0.000) 85.36 ppm

response 115546

Ion	Exp%	Act%
196.00	100.00	100.00
197.90	94.90	96.58
200.00	29.70	32.32
0.00	0.00	0.00

Manual Integration:

Before

05/09/19

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\5973D\Data\050819\
Data File : BR693.D
Acq On : 8 May 2019 8:09 am
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270/625
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 09 06:31:35 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Thu May 09 06:31:23 2019
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	AvgRF	CCRF	%D	%Dev	Area%	Dev(min)
1	IR	d4-1,4-Dichlorobenzene	1.000	1.000	0.0	70		-0.04
2	TM	Pyridine	1.372	1.335	2.7	67		-0.11
3	TM	N-Nitrosodimethylamine	0.808	0.770	4.7	64		-0.10
4	TM	2-Picoline	1.378	1.368	0.7	67		-0.07
5	TM	N-Nitrosomethylamine	0.681	0.714	-4.8	79		-0.06
6	TM	Methyl Methansulfonate	0.636	0.749	-17.8	82		-0.05
7	S	SURR1,2-FLUOROPHENOL	1.407	1.320	6.2	64		-0.04
8	TM	N-Nitrosodiethylamine	0.631	0.599	5.1	63		-0.05
9	TM	Ethyl Mathanesulfonate	1.171	1.158	1.1	69		-0.04
10	TM	Benzaldehyde	0.842	1.004	-19.2	81		-0.04
11	TM	Aniline	2.336	2.137	8.5	63		-0.04
12	S	SURR2,PHENOL-D6	1.746	1.661	4.9	66		-0.03
13	TMC	Phenol	1.865	1.769	5.1	67		-0.03
14	TM	bis(2-Clethyl)Ether	1.213	1.110	8.5	63		-0.04
15	TM	Pentachloroethane	0.588	0.586	0.3	70		-0.04
16	TM	2-Chlorophenol	1.533	1.495	2.5	68		-0.04
17	TM	1,3-Diclbenzene	1.697	1.669	1.6	68		-0.04
18	TMC	1,4-Dichlorobenzene	1.726	1.673	3.1	68		-0.04
19	TM	1,2-Diclbenzene	1.664	1.590	4.4	66		-0.04
20	TM	Benzyl Alcohol	1.140	1.184	-3.9	70		-0.03
21	T	1-Methyl-2-pyrrolidinone	0.946	0.888	6.1	64		-0.04
22	TM	2,2'-oxybis(1-Chloropropane	1.258	1.106	12.1	62		-0.04
23	TM	2-Methylphenol	1.330	1.264	5.0	65		-0.02
24	TM	3+4-Methylphenol	1.540	1.472	4.4	64		-0.02
25	TM	Acetophenone	2.022	1.968	2.7	67		-0.04
26	TMP	N-Nitroso-Di-n-propylamine	1.059	1.047	1.1	69		-0.03
27	TM	N-Nitrosopyrrolidine	0.747	0.698	6.6	64		-0.03
28	TM	N-Nitrosomorpholine	0.787	0.777	1.3	71		-0.03
29	TM	o-Toluidine	2.179	2.095	3.9	68		-0.03
30	TM	Hexachloroethane	0.692	0.728	-5.2	72		-0.04
31	TM	o,o,o-Triethylphosphorothio	0.746	0.756	-1.3	69		-0.04
32	TM	Alpha-terpinol	0.532	0.525	1.3	66		-0.04
33	IR	d8-Naphthalene	1.000	1.000	0.0	67		-0.04
34	S	SURR4,NITROBENZENE-D5	0.412	0.428	-3.9	70		-0.04
35	TM	Nitrobenzene	0.420	0.429	-2.1	68		-0.03
36	TM	N-Nitrosopiperidine	0.238	0.253	-6.3	73		-0.03
37	TM	Isophorone	0.710	0.686	3.4	65		-0.03
38	TCM	2-Nitrophenol	0.221	0.227	-2.7	69		-0.04
39	TM	Benzoic Acid	0.243	0.112	53.9#	30#		-0.02
40	TM	2,4-Dimethylphenol	0.402	0.412	-2.5	68		-0.03
41	TM	bis(-2-Chloroethoxy)Methane	0.423	0.391	7.6	63		-0.04
42	TCM	2,4-Dichlorophenol	0.338	0.351	-3.8	68		-0.03
43	TM	a,a-Dimethylphenethylamine	0.769	0.761	1.0	71		0.05
44	TM	1,2,4-Trichlorobenzene	0.380	0.382	-0.5	69		-0.04
45	TM	Naphthalene	1.187	1.135	4.4	65		-0.04
46	TM	4-Chloroaniline	0.482	0.500	-3.7	70		-0.03
47	TM	2,6-Dichlorophenol	0.358	0.375	-4.7	70		-0.04
48	TCM	Hexachlorobutadiene	0.235	0.254	-8.1	74		-0.04
49	TM	Hexachloropropene	0.308	0.355	-15.3	78		-0.04
50	TMC	4-Chloro-3-methylphenol	0.325	0.344	-5.8	70		-0.03
51	TM	N-N-di-n-butylamine	0.291	0.262	10.0	66		-0.04

1st DM 05/09/19
2nd BA 05/09/19

Data Path : I:\ACQUDATA\5973D\Data\050819\
Data File : BR693.D
Acq On : 8 May 2019 8:09 am
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270/625
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 09 06:31:35 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Thu May 09 06:31:23 2019
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	AvgRF	CCRF	%D	%Dev	Area%	Dev(min)
52	TM	Caprolactam	0.112	0.109		2.7	66	-0.02
53	TM	p-Phenylenediamine	0.065	0.101		-55.4#	109	-0.04
54	TM	Safrole	0.310	0.322		-3.9	72	-0.04
55	TM	2-Methylnaphthalene	0.811	0.768		5.3	65	-0.04
56	TM	1-Methylnaphthalene	0.764	0.726		5.0	65	-0.04
57	IR	d10-Acenaphthene	1.000	1.000		0.0	70	-0.04
58	TPM	Hexachlorocyclopentadiene	0.368	0.340	17.0	~~-7.6~~	56	-0.04
59	TM	1,2,4,5-Tetrachlorobenzene	0.708	0.712		-0.6	70	-0.04
60	TM	1,2,3,4-Tetrachlorobenzene	0.738	0.768		-4.1	71	-0.04
61	TCM	2,4,6-Trichlorophenol	0.422	0.441		-4.5	67	-0.03
62	TM	2,4,5-Trichlorophenol	0.463	0.450		2.8	68	-0.03
63	S	SURR5,2-FLUOROBIPHENYL	1.568	1.567		0.1	67	-0.04
64	TM	Isosafrole	0.276	0.303		-9.8	77	-0.03
65	TM	1,1'-Biphenyl	1.800	1.752		2.7	68	-0.04
66	TM	2-Chloronaphthalene	1.320	1.265		4.2	68	-0.04
67	TM	2-Nitroaniline	0.351	0.373		-6.3	73	-0.03
68	TM	1,4-Naphthoquinone	0.394	0.395		-0.3	69	-0.03
69	TM	m-Dinitrobenzene	0.238	0.242		-1.7	67	-0.03
70	TM	Acenaphthylene	2.125	2.075		2.4	67	-0.04
71	TM	Dimethyl phthalate	1.598	1.562		2.3	69	-0.04
72	TM	2,6-Dinitrotoluene	0.344	0.345		-0.3	66	-0.03
73	TMC	Acenaphthene	1.486	1.449		2.5	67	-0.04
74	TM	3-Nitroaniline	0.379	0.369		2.6	65	-0.03
75	TPM	2,4-Dinitrophenol	0.174	0.154	18.3	~~-11.5~~	54	-0.03
76	TM	Dibenzofuran	1.939	1.934		0.3	68	-0.04
77	TM	2,4-Dinitrotoluene	0.486	0.474		2.5	65	-0.03
78	TMP	4-Nitrophenol	0.246	0.306		-24.4#	81	-0.02
79	TM	Pentachlorobenzene	0.683	0.698		-2.2	73	-0.03
80	TM	1-Napthylamine	0.937	0.926		1.2	69	-0.03
81	TM	2-Napthylamine	1.163	1.190		-2.3	71	-0.03
82	TM	2,3,4,6-Tetrachlorophenol	0.389	0.375		3.6	66	-0.03
83	TM	Fluorene	1.571	1.540		2.0	68	-0.04
84	TM	4-Chlorophenyl-phenylether	0.708	0.723		-2.1	72	-0.04
85	TM	Diethylphthalate	1.681	1.701		-1.2	71	-0.04
86	TM	4-Nitroaniline	0.402	0.380		5.5	65	-0.03
87	TM	5-Nitro-o-toluidine	0.454	0.454		0.0	68	-0.03
88	S	SURR3,2,4,6-TRIBROMOPHENOL	0.290	0.314		-8.3	72	-0.03
89	TM	Sulfotepp	0.241	0.260		-7.9	75	-0.04
90	TM	Octachlorocyclopentene	0.319	0.337		-5.6	70	-0.04
91	IR	d10-Phenanthrene	1.000	1.000		0.0	75	-0.04
92	TM	Thionazin	0.136	0.127		6.6	68	-0.04
93	TM	4,6-Dinitro-2-methylphenol	0.164	0.145		11.6	63	-0.02
94	TM	Diphenylamine	0.673	0.629		6.5	70	-0.03
95	TM	1,2 Diphenylhydrazine	0.861	0.793		7.9	69	-0.04
96	TCM	N-Nitrosodiphenylamine	0.673	0.629		6.5	70	-0.03
97	TM	1,3,5-Trinirobenzene	0.081	0.077		4.9	68	-0.01
98	TM	Diallate	0.312	0.273		12.5	67	-0.04
99	TM	Phorate	0.160	0.140		12.5	65	-0.04
100	TM	Phenacetin	0.422	0.447		-5.9	72	-0.03
101	TM	4-Bromophenyl-phenylether	0.250	0.229		8.4	68	-0.04

1st DM 05/09/19
2nd BA 05/09/19

Data Path : I:\ACQUDATA\5973D\Data\050819\
Data File : BR693.D
Acq On : 8 May 2019 8:09 am
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270/625
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 09 06:31:35 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Thu May 09 06:31:23 2019
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	AvgRF	CCRF	%D	%Dev	Area%	Dev(min)
102	TM	Hexachlorobenzene	0.318	0.295		7.2	73	-0.03
103	TM	Dimethoate	0.261	0.237		9.2	68	-0.03
104	TM	Atrazine	0.089	0.101		-13.5	90	-0.03
105	TCM	Pentachlorophenol	0.174	0.121		30.5#	50#	-0.03
106	TM	4-Aminobiphenyl	0.655	0.678		-3.5	72	-0.04
107	TM	Pentachloronitrobenzene	0.135	0.151		-11.9	80	-0.03
108	TM	Pronamide	0.440	0.449		-2.0	70	-0.03
109	TM	Dinoseb	0.232	0.219		5.6	67	-0.03
110	TM	Disulfoton	0.420	0.371		11.7	68	-0.04
111	TM	Phenanthrene	1.297	1.161		10.5	67	-0.03
112	TM	Anthracene	1.273	1.176		7.6	68	-0.04
113	TM	Carbazole	1.207	1.136		5.9	68	-0.03
114	TM	Di-n-butylphthalate	1.674	1.612		3.7	69	-0.04
115	TM	4-Nitroquinonline-1-oxide	0.090	0.065		27.8#	51	-0.03
116	TCM	Fluoranthene	1.423	1.379		3.1	69	-0.04
117	IR	d12-Chrysene	1.000	1.000		0.0	74	-0.05
118	TM	Methyl Parathion	0.230	0.235		-2.2	70	-0.04
119	TM	Ethyl Parathion	0.196	0.206		-5.1	71	-0.04
120	TM	Methapyrilene	0.161	0.204		-26.7#	90	-0.04
121	TM	Isodrin	0.137	0.144		-5.1	76	-0.04
122	TM	Benzidine	0.690	0.820		-18.8	82	-0.04
123	TM	Pyrene	1.404	1.359		3.2	67	-0.04
124	S	SURR6,TERPHENYL-D14	1.002	0.970		3.2	70	-0.05
125	TM	Aramite	0.146	0.147		-0.7	72	-0.03
126	TM	p-(Dimethylamino)azobenzene	0.345	0.354		-2.6	69	-0.05
127	TM	Chlorobenzilate	0.438	0.482		-10.0	76	-0.05
128	TM	Butyl benzyl phthalate	0.705	0.721		-2.3	72	-0.05
129	TM	3,3-Dimethylbenzidine	0.754	0.824		-9.3	75	-0.05
130	TM	2-Acetylaminofluorene	0.554	0.601		-8.5	73	-0.04
131	TM	3,3'-Dichlorobenzidine	0.534	0.578		-8.2	75	-0.06
132	TM	Benzo(a)anthracene	1.331	1.307		1.8	70	-0.05
133	TM	Chrysene	1.264	1.201		5.0	69	-0.05
134	TM	bis(2-Ethylhexyl)phthalate	1.017	1.030		-1.3	72	-0.06
135	IR	d12-Perylene	1.000	1.000		0.0	76	-0.07
136	TCM	Di-n-octyl phthalate	1.613	1.633		-1.2	73	-0.08
137	TM	7,12-Dimethylbenz(a)anthrac	0.604	0.596		1.3	72	-0.07
138	TM	Benzo(b)Fluoranthene	1.385	1.333		3.8	71	-0.06
139	TM	Benzo(k)fluoranthene	1.293	1.260		2.6	73	-0.06
140	TCM	Benzo(a)pyrene	1.154	1.149		0.4	72	-0.07
141	TM	3-Methylcholanthrene	0.674	0.676		-0.3	73	-0.07
142	TM	Indeno(1,2,3-cd)Pyrene	1.181	1.206		-2.1	75	-0.04
143	TM	Dibenz(a,h)anthracene	1.258	1.261		-0.2	73	-0.05
144	TM	Benzo(g,h,i)perylene	1.039	1.038		0.1	75	-0.05

(#) = Out of Range SPCC's out = 0 CCC's out = 1

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973D\Data\050819\
Data File : BR693.D
Acq On : 8 May 2019 8:09 am
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270/625
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 09 06:31:35 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Thu May 09 06:31:23 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) d4-1,4-Dichlorobenzene	4.476	152	59292	40.00	ppm		0.00
33) d8-Naphthalene	5.642	136	218568	40.00	ppm		0.00
57) d10-Acenaphthene	7.343	164	128261	40.00	ppm		0.00
91) d10-Phenanthrene	8.803	188	246121	40.00	ppm		0.00
117) d12-Chrysene	11.900	240	255877	40.00	ppm		0.00
135) d12-Perylene	14.671	264	276901	40.00	ppm		0.00
System Monitoring Compounds							
7) SURR1,2-FLUOROPHENOL	3.390	112	156532	75.04	ppm		0.00
Spiked Amount 200.000	Range 10 - 70		Recovery = 37.52%				
12) SURR2,PHENOL-D6	4.171	99	196923	76.08	ppm		0.00
Spiked Amount 200.000	Range 10 - 107		Recovery = 38.04%				
34) SURR4,NITROBENZENE-D5	4.979	82	186917	83.01	ppm		0.00
Spiked Amount 100.000	Range 31 - 110		Recovery = 83.01%				
63) SURR5,2-FLUOROBIPHENYL	6.685	172	402063	79.97	ppm		0.00
Spiked Amount 100.000	Range 31 - 118		Recovery = 79.97%				
88) SURR3,2,4,6-TRIBROMOPH...	8.124	330	80511	86.62	ppm		0.00
Spiked Amount 200.000	Range 35 - 141		Recovery = 43.31%				
124) SURR6,TERPHENYL-D14	10.429	244	496403	77.47	ppm		0.00
Spiked Amount 100.000	Range 10 - 165		Recovery = 77.47%				
Target Compounds							Qvalue
2) Pyridine	2.289	79	158352	77.883	ppm		93
3) N-Nitrosodimethylamine	2.262	74	91340	76.308	ppm	#	64
4) 2-Picoline	2.904	93	162257	79.454	ppm		97
5) N-Nitrosomethylamine	3.000	42	84671	83.925	ppm		95
6) Methyl Methansulfonate	3.251	80	88854	94.266	ppm		93
8) N-Nitrosodiethylamine	3.567	102	70992	75.959	ppm		94
9) Ethyl Mathanesulfonate	3.818	79	137331	79.114	ppm		96
10) Benzaldehyde	4.102	106	119097	95.406	ppm		91
11) Aniline	4.193	93	253386	73.163	ppm		72
13) Phenol	4.182	94	209758	75.875	ppm		70
14) bis(2-Clethyl)Ether	4.241	93	131627	73.184	ppm		91
15) Pentachloroethane	4.230	117	69487	79.758	ppm		92
16) 2-Chlorophenol	4.300	128	177307	78.033	ppm		98
17) 1,3-Diclbenzene	4.423	146	197964	78.699	ppm		97
18) 1,4-Dichlorobenzene	4.487	146	198349	77.523	ppm		92
19) 1,2-Diclbenzene	4.621	146	188497	76.422	ppm		95
20) Benzyl Alcohol	4.605	79	140388	83.084	ppm		94
21) 1-Methyl-2-pyrrolidinone	4.637	99	105307	75.089	ppm		90
22) 2,2'-oxybis(1-Chloropr...	4.712	45	131186	70.363	ppm	#	78
23) 2-Methylphenol	4.722	108	149859	76.002	ppm		99
24) 3+4-Methylphenol	4.861	108	174598	76.497	ppm	#	44
25) Acetophenone	4.840	105	233418	77.863	ppm		80
26) N-Nitroso-Di-n-propyla...	4.840	70	124157	79.083	ppm		85
27) N-Nitrosopyrrolidine	4.840	100	82727	74.671	ppm		76
28) N-Nitrosomorpholine	4.867	56	92146	79.020	ppm		92
29) o-Toluidine	4.872	106	248422	76.900	ppm		95
30) Hexachloroethane	4.920	117	86329	84.220	ppm		98
31) o,o,o-Triethylphosphor...	5.380	198	89606	81.002	ppm		98
32) Alpha-terpinol	5.669	121	62315	79.077	ppm		95
35) Nitrobenzene	5.000	77	187342	81.724	ppm		97
36) N-Nitrosopiperidine	5.139	42	110581	84.931	ppm		95
37) Isophorone	5.214	82	300018	77.357	ppm		97
38) 2-Nitrophenol	5.289	139	99293	82.159	ppm		87

1st DM 05/09/19
2nd BA 05/09/19

Data Path : I:\ACQUDATA\5973D\Data\050819\
Data File : BR693.D
Acq On : 8 May 2019 8:09 am
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270/625
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 09 06:31:35 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Thu May 09 06:31:23 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) Benzoic Acid	5.439	105	48984	36.856	ppm		89
40) 2,4-Dimethylphenol	5.337	107	179995	81.874	ppm		98
41) bis(-2-Chloroethoxy)Me...	5.412	93	170918	73.929	ppm		97
42) 2,4-Dichlorophenol	5.524	162	153591	83.124	ppm		97
43) a,a-Dimethylphenethyla...	5.931	58	332643m	79.185	ppm		
44) 1,2,4-Trichlorobenzene	5.589	180	166791	80.257	ppm		93
45) Naphthalene	5.664	128	496243	76.487	ppm		98
46) 4-Chloroaniline	5.728	127	218403	82.911	ppm		100
47) 2,6-Dichlorophenol	5.728	162	163859	83.778	ppm		87
48) Hexachlorobutadiene	5.771	225	110923	86.432	ppm		99
49) Hexachloropropene	5.738	213	155071	92.188	ppm		94
50) 4-Chloro-3-methylphenol	6.209	107	150505	84.816	ppm		98
51) N-N-di-n-butylamine	6.033	84	114495	71.896	ppm		96
52) Caprolactam	6.081	113	47539	77.763	ppm		94
53) p-Phenylenediamine	6.075	80	44126	124.869	ppm		85
54) Safrole	6.241	162	140879	83.107	ppm		94
55) 2-Methylnaphthalene	6.327	142	335652	75.779	ppm		97
56) 1-Methylnaphthalene	6.423	142	317573	76.076	ppm		94
58) Hexachlorocyclopentadiene	6.466	237	87096	66.407	ppm		98
59) 1,2,4,5-Tetrachloroben...	6.487	216	182602	80.471	ppm		97
60) 1,2,3,4-Tetrachloroben...	6.765	216	197002	83.205	ppm		99
61) 2,4,6-Trichlorophenol	6.610	196	113049m	83.516	ppm		
62) 2,4,5-Trichlorophenol	6.658	196	115546	77.893	ppm		97
64) Isosafrole	6.749	104	77783	88.025	ppm		82
65) 1,1'-Biphenyl	6.781	154	449528	77.899	ppm		98
66) 2-Chloronaphthalene	6.803	162	324591	76.713	ppm		97
67) 2-Nitroaniline	6.915	65	95730	85.023	ppm		88
68) 1,4-Naphthoquinone	6.990	158	101239	80.130	ppm		98
69) m-Dinitrobenzene	7.140	168	62060	81.436	ppm		88
70) Acenaphthylene	7.204	152	532406	78.118	ppm		99
71) Dimethyl phthalate	7.086	163	400642	78.195	ppm		100
72) 2,6-Dinitrotoluene	7.156	165	88537	80.311	ppm		88
73) Acenaphthene	7.375	153	371824	78.047	ppm		98
74) 3-Nitroaniline	7.327	138	94598	77.923	ppm		96
75) 2,4-Dinitrophenol	7.439	184	39479	65.389	ppm		91
76) Dibenzofuran	7.546	168	495991	79.766	ppm		87
77) 2,4-Dinitrotoluene	7.557	165	121466	78.002	ppm		82
78) 4-Nitrophenol	7.530	65	78513	99.487	ppm	#	59
79) Pentachlorobenzene	7.503	250	179080	81.755	ppm		98
80) 1-Napthylamine	7.632	143	237512	79.089	ppm		97
81) 2-Napthylamine	7.712	143	305359	81.890	ppm		98
82) 2,3,4,6-Tetrachlorophenol	7.675	232	96187	77.183	ppm		93
83) Fluorene	7.883	166	394972	78.392	ppm		98
84) 4-Chlorophenyl-phenyle...	7.883	204	185454	81.698	ppm		98
85) Diethylphthalate	7.776	149	436434	80.973	ppm		98
86) 4-Nitroaniline	7.931	138	97523	75.615	ppm		81
87) 5-Nitro-o-toluidine	7.915	152	116443	79.979	ppm		90
89) Sulfotepp	8.156	322	66590	86.068	ppm		96
90) Octachlorocyclopentene	8.119	307	86506	84.561	ppm		99
92) Thionazin	7.856	107	62309	74.472	ppm		91
93) 4,6-Dinitro-2-methylph...	7.958	198	71578	70.789	ppm		93
94) Diphenylamine	8.006	169	619288	149.502	ppm		99
95) 1,2 Diphenylhydrazine	8.038	77	390108	73.658	ppm		97
96) N-Nitrosodiphenylamine	8.006	169	619288	149.490	ppm		99
97) 1,3,5-Trinirobenzene	8.333	213	38102	76.758	ppm	#	39
98) Diallate	8.279	86	134515	70.068	ppm		97

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973D\Data\050819\
Data File : BR693.D
Acq On : 8 May 2019 8:09 am
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270/625
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 09 06:31:35 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Thu May 09 06:31:23 2019
Response via : Initial Calibration

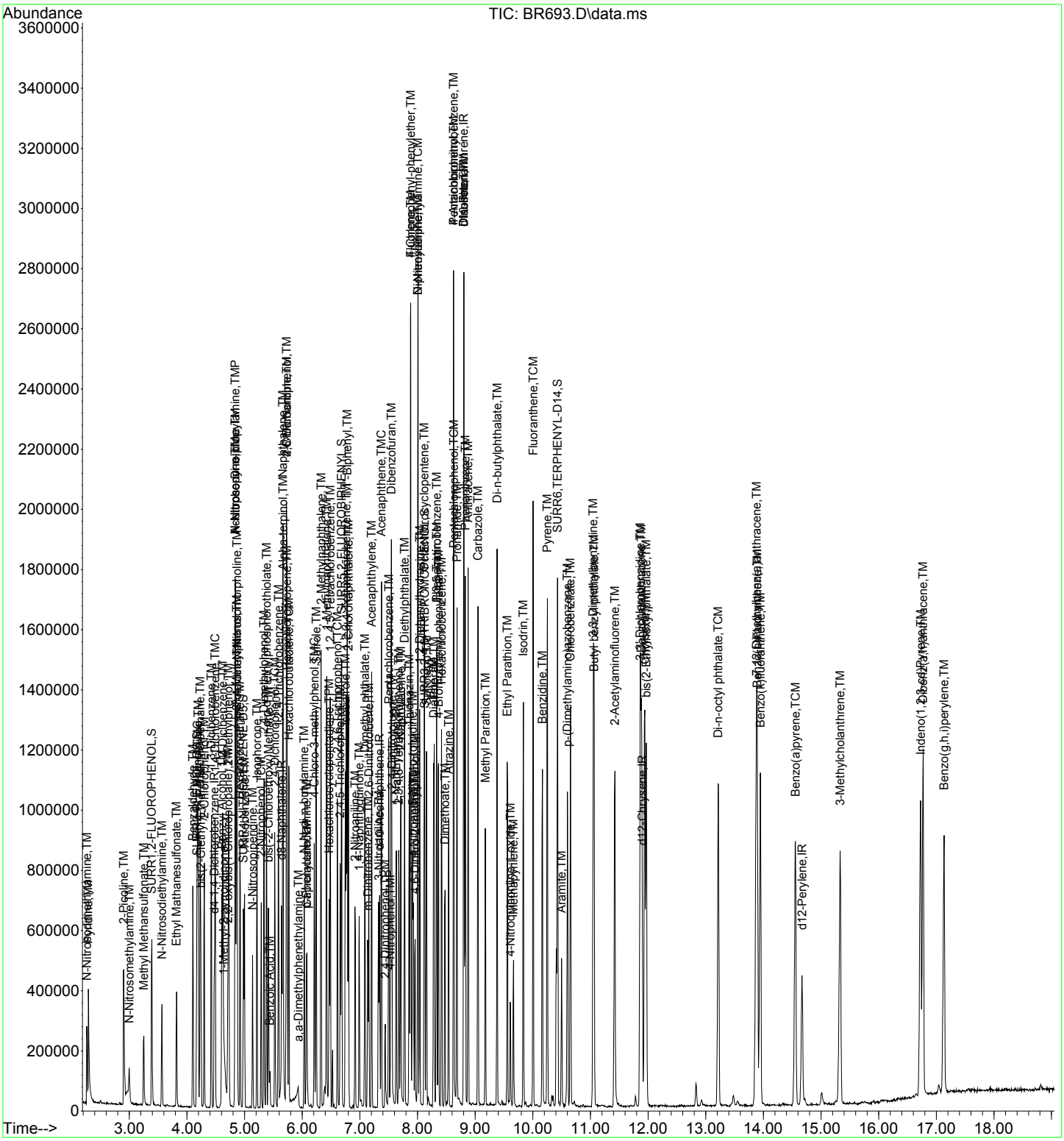
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
99) Phorate	8.290	121	68928	69.853	ppm	91
100) Phenacetin	8.333	108	219939	84.693	ppm	97
101) 4-Bromophenyl-phenylether	8.365	248	112693	73.178	ppm	99
102) Hexachlorobenzene	8.418	284	145437	74.254	ppm	98
103) Dimethoate	8.477	87	116759	72.607	ppm	87
104) Atrazine	8.541	215	49475	89.958	ppm	89
105) Pentachlorophenol	8.632	266	59491	55.548	ppm	98
106) 4-Aminobiphenyl	8.627	169	333701	82.738	ppm	99
107) Pentachloronitrobenzene	8.627	237	74228	89.058	ppm	96
108) Pronamide	8.686	173	220825	81.618	ppm	97
109) Dinoseb	8.803	211	107940	75.494	ppm	95
110) Disulfoton	8.803	88	182461	70.681	ppm	80
111) Phenanthrene	8.830	178	571684	71.655	ppm	98
112) Anthracene	8.878	178	579109	73.929	ppm	99
113) Carbazole	9.049	167	558969	75.280	ppm	98
114) Di-n-butylphthalate	9.381	149	793651	77.039	ppm	99
115) 4-Nitroquinonline-1-oxide	9.611	190	31811	57.664	ppm	90
116) Fluoranthene	10.007	202	678921	77.527	ppm	98
118) Methyl Parathion	9.178	109	120480	81.819	ppm	92
119) Ethyl Parathion	9.557	97	105537	84.234	ppm	97
120) Methapyrilene	9.664	58	104196	101.141	ppm	90
121) Isodrin	9.835	193	73703	84.302	ppm	93
122) Benzidine	10.167	184	419550	95.093	ppm	97
123) Pyrene	10.253	202	695230	77.390	ppm	99
125) Aramite	10.499	185	75473m	80.936	ppm	
126) p-(Dimethylamino)azobe...	10.600	120	181093	81.991	ppm	93
127) Chlorobenzilate	10.654	139	246858	88.034	ppm	95
128) Butyl benzyl phthalate	11.066	149	368889	81.845	ppm	96
129) 3,3-Dimethylbenzidine	11.050	212	421713	87.461	ppm	98
130) 2-Acetylaminofluorene	11.424	181	307644	86.823	ppm	94
131) 3,3'-Dichlorobenzidine	11.863	252	295706	86.520	ppm	96
132) Benzo(a)anthracene	11.884	228	668902	78.555	ppm	98
133) Chrysene	11.943	228	614473	75.978	ppm	99
134) bis(2-Ethylhexyl)phtha...	11.970	149	527300	81.042	ppm	95
136) Di-n-octyl phthalate	13.216	149	904299	80.971	ppm	99
137) 7,12-Dimethylbenz(a)an...	13.879	256	330072	78.947	ppm	95
138) Benzo(b)Fluoranthene	13.895	252	738121	76.959	ppm	95
139) Benzo(k)fluoranthene	13.949	252	698001	77.966	ppm	98
140) Benzo(a)pyrene	14.558	252	636505	79.648	ppm	98
141) 3-Methylcholanthrene	15.334	268	374289	80.268	ppm	98
142) Indeno(1,2,3-cd)Pyrene	16.730	276	668110	81.713	ppm	87
143) Dibenz(a,h)anthracene	16.773	278	698193	80.164	ppm	97
144) Benzo(g,h,i)perylene	17.136	276	574943	79.958	ppm	92

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

1st JM 05/09/19
2nd BA 05/09/19

Data Path : I:\ACQUDATA\5973D\Data\050819\
Data File : BR693.D
Acq On : 8 May 2019 8:09 am
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270/625
ALS Vial : 3 Sample Multiplier: 1

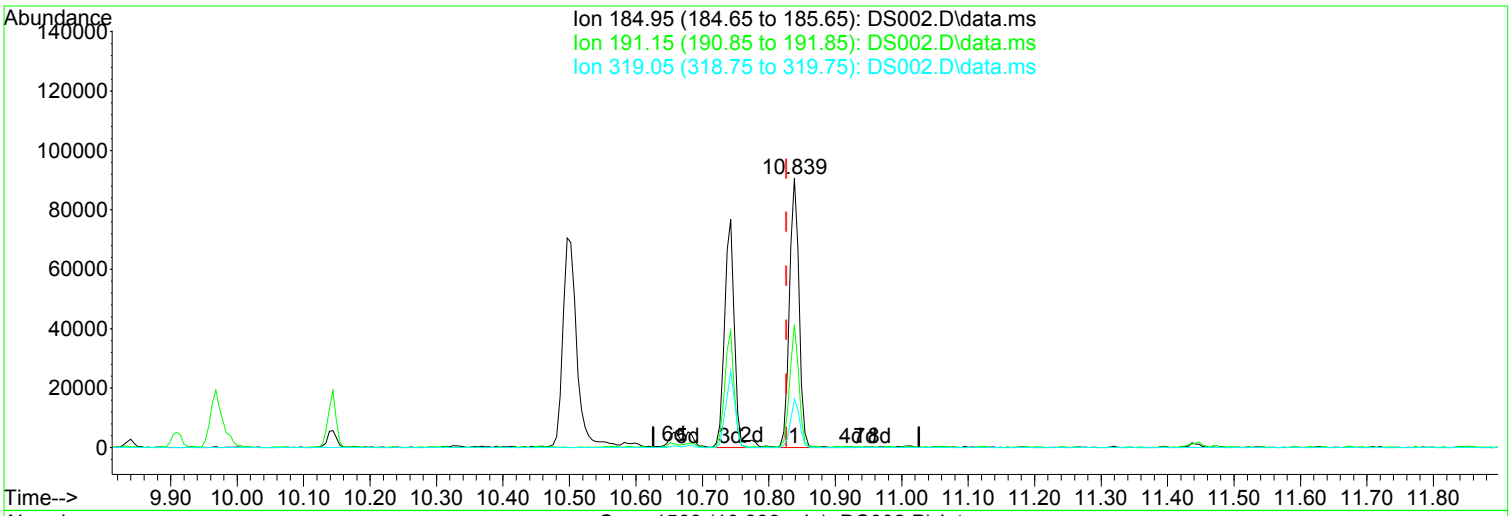
Quant Time: May 09 06:31:35 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Thu May 09 06:31:23 2019
Response via : Initial Calibration

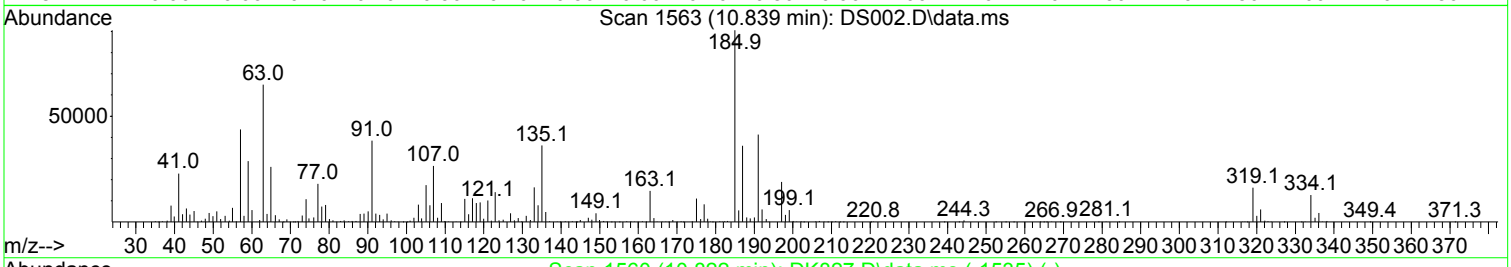


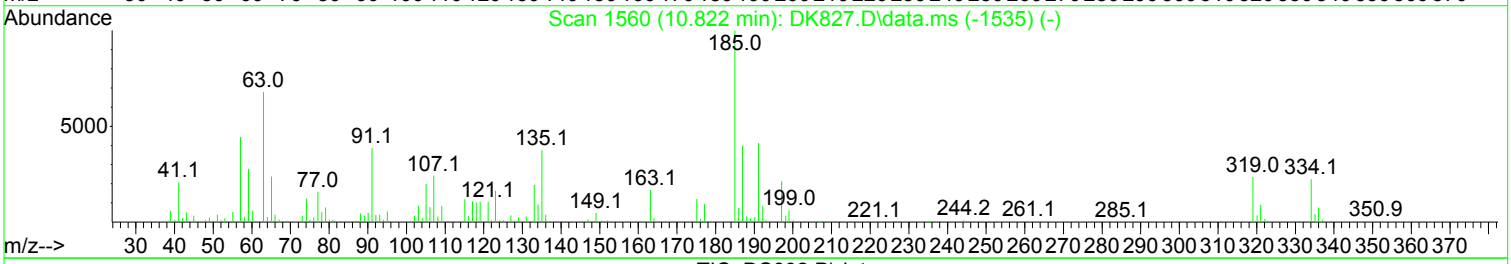
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\051319\
Data File : DS002.D
Acq On : 13 May 2019 8:41 am
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270D/625
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 13 09:05:26 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration







TIC: DS002.D\data.ms

(125) Aramite (TM)

10.839min (+ 0.012) 79.64 ppm m

response 171604

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	41.10	45.72
319.05	14.30	17.97
0.00	0.00	0.00

Manual Integration:

After

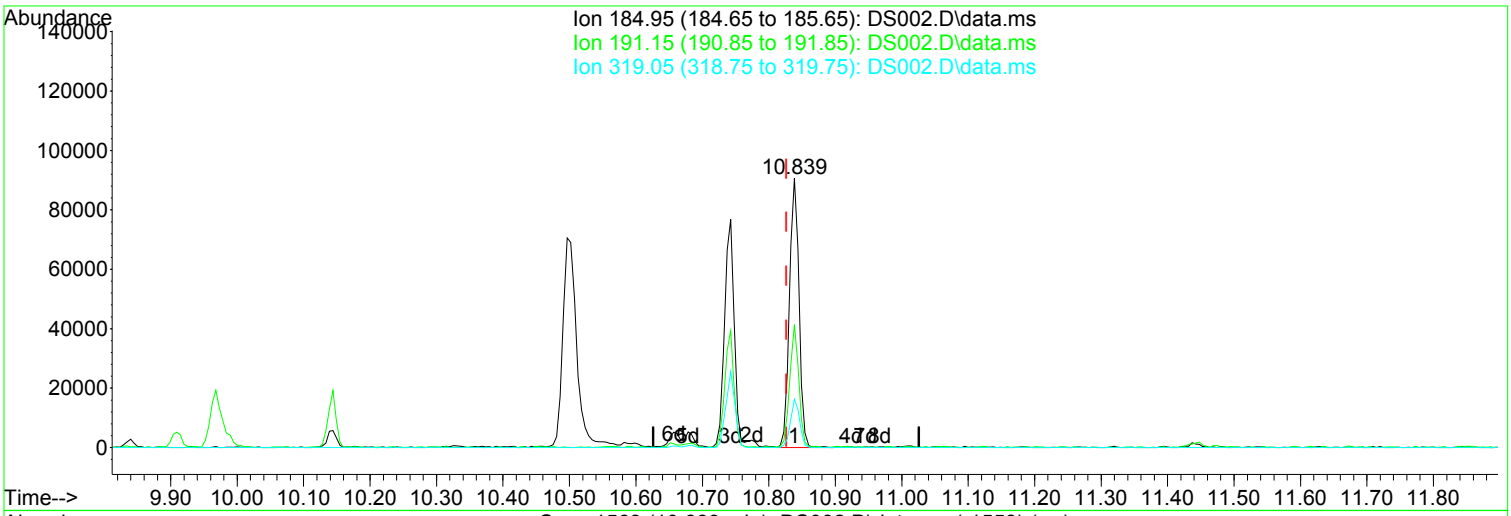
Split Peak.

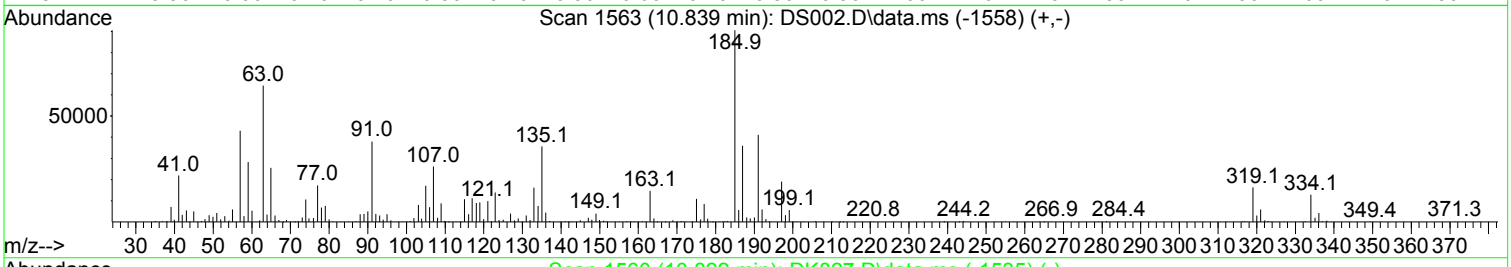
05/14/19

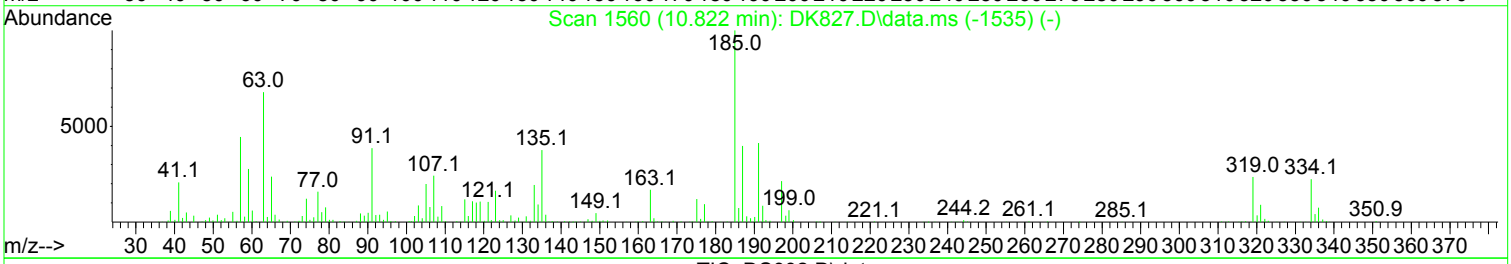
1st DM 05/14/19
2nd BA 05/14/19

Data Path : I:\ACQUDATA\5973A\DATA\051319\
Data File : DS002.D
Acq On : 13 May 2019 8:41 am
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270D/625
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 13 09:05:26 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration







TIC: DS002.D\data.ms

(125) Aramite (TM)

10.839min (+ 0.012) 42.49 ppm

response 91545

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	41.10	45.49
319.05	14.30	17.97
0.00	0.00	0.00

Manual Integration:

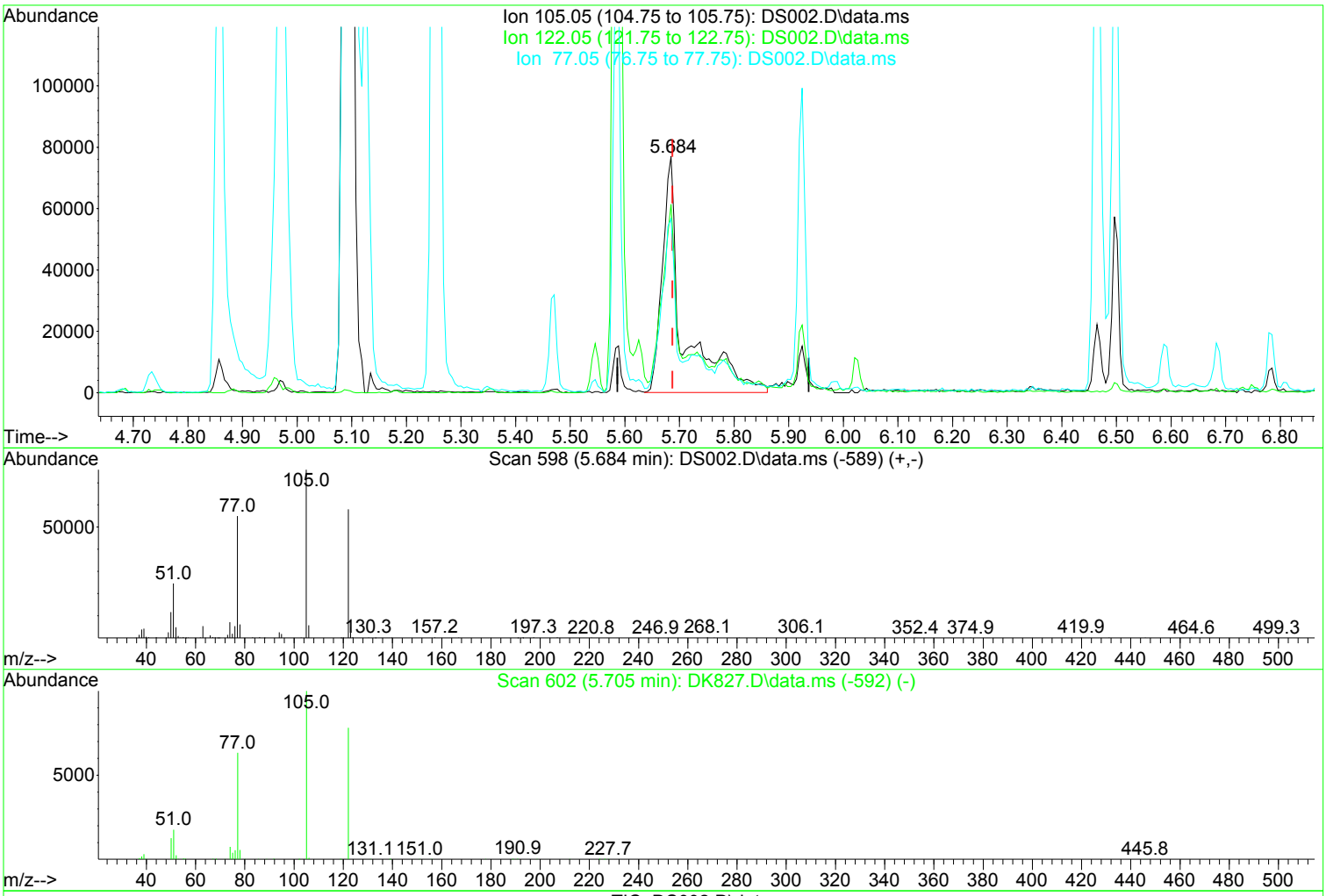
Before

05/14/19

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\051319\
Data File : DS002.D
Acq On : 13 May 2019 8:41 am
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270D/625
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 13 09:05:26 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration



TIC: DS002.D\data.ms

(41) Benzoic Acid (TM)

5.684min (-0.003) 80.29 ppm m

response 207876

Ion	Exp%	Act%
105.05	100.00	100.00
122.05	82.40	79.77
77.05	69.60	73.63
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

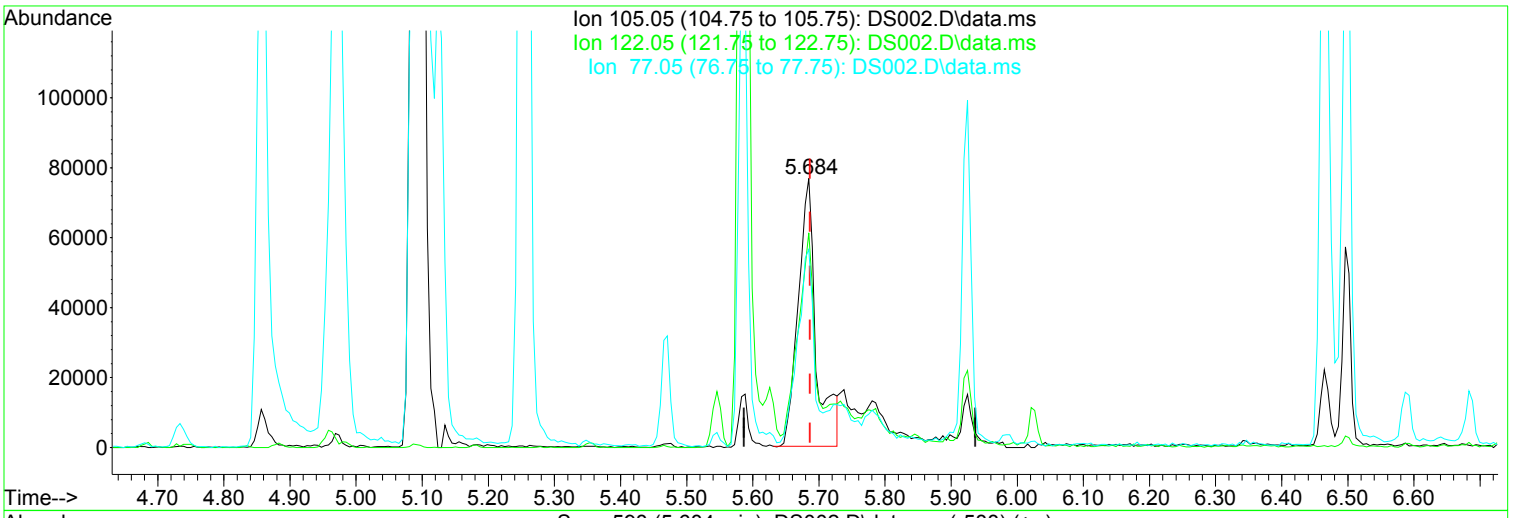
05/14/19

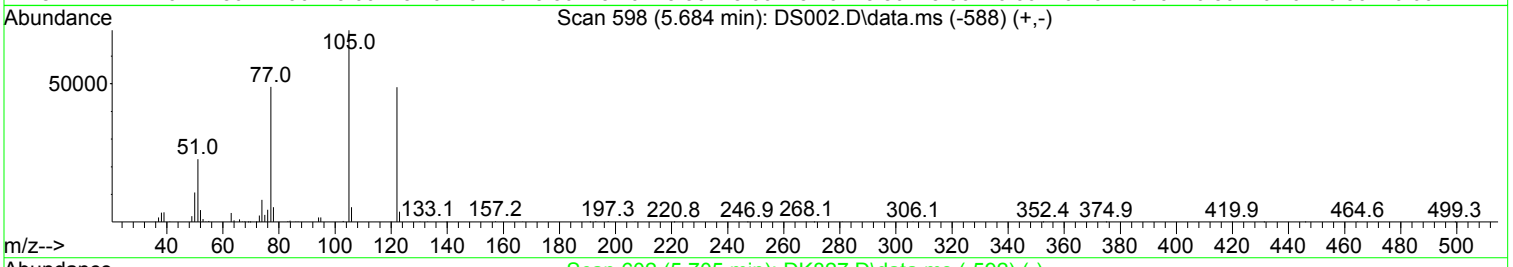
1st DM 05/14/19
2nd BA 05/14/19

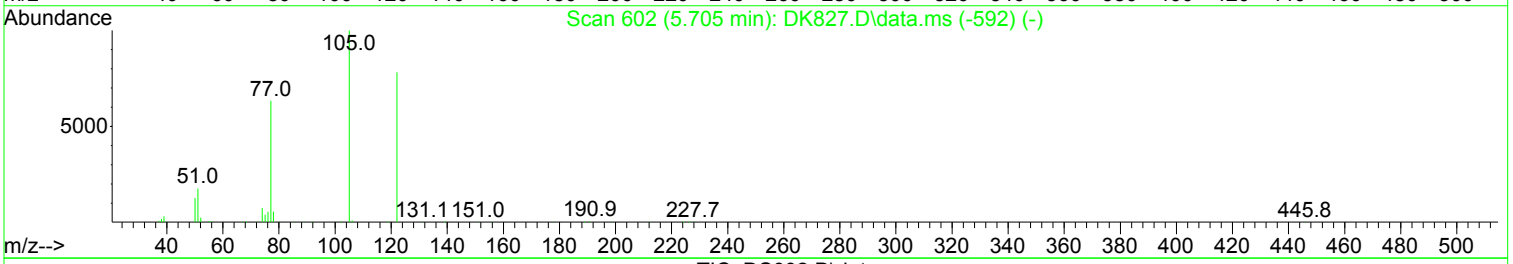
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\051319\
Data File : DS002.D
Acq On : 13 May 2019 8:41 am
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270D/625
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 13 09:05:26 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration







TIC: DS002.D\data.ms

(41) Benzoic Acid (TM)

5.684min (-0.003) 60.27 ppm

response 143753

Ion	Exp%	Act%
105.05	100.00	100.00
122.05	82.40	70.31
77.05	69.60	70.39
0.00	0.00	0.00

Manual Integration:

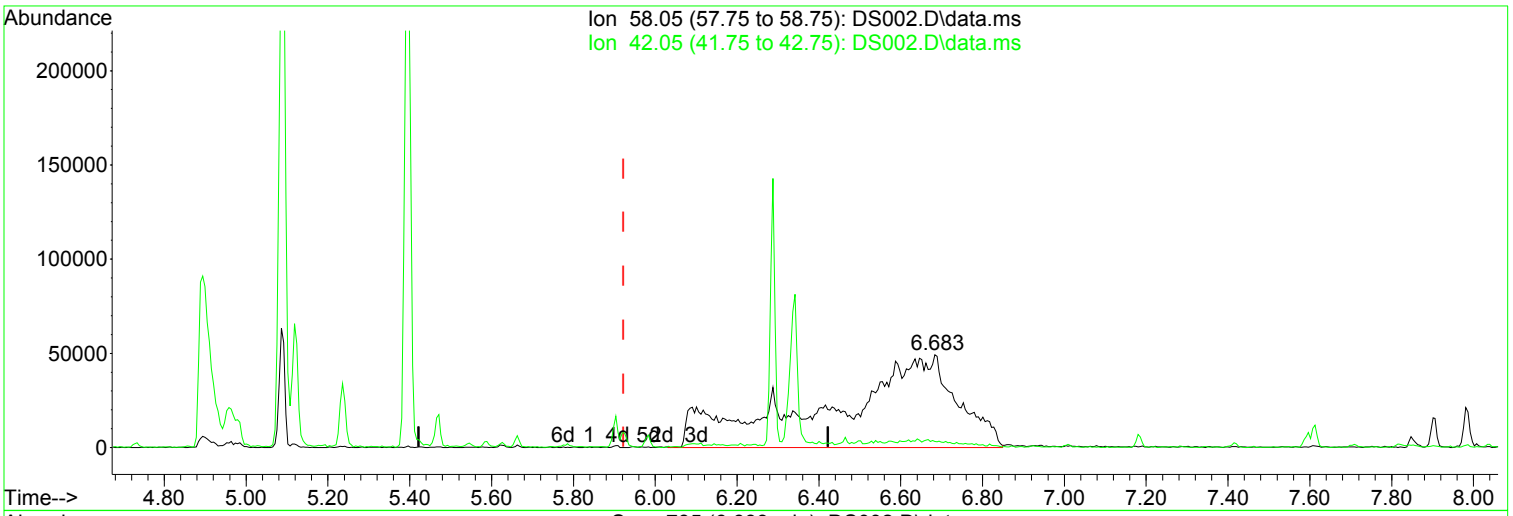
Before

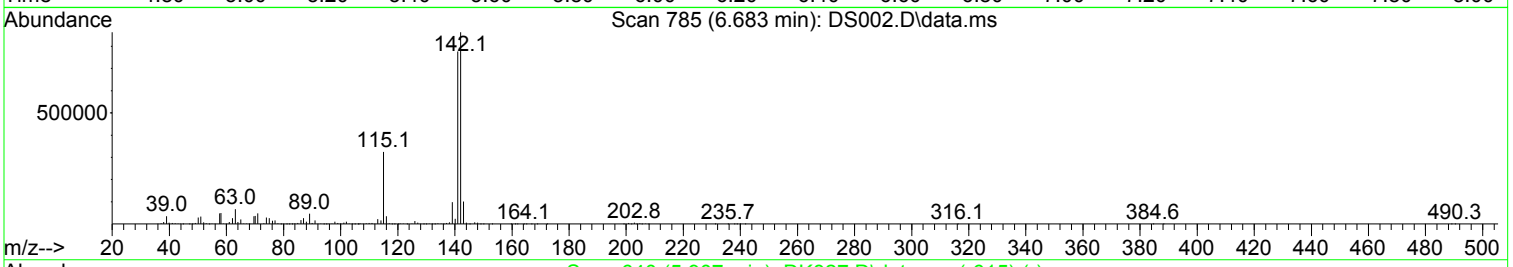
05/14/19

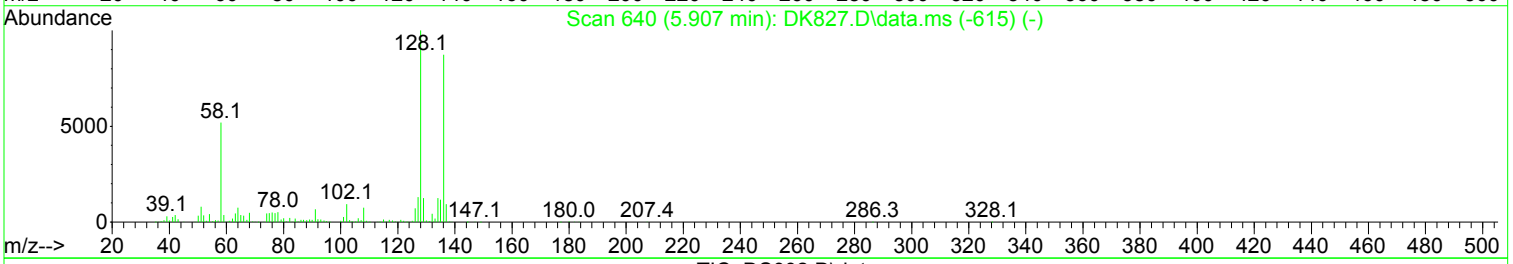
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\051319\
Data File : DS002.D
Acq On : 13 May 2019 8:41 am
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270D/625
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 13 09:05:26 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration







TIC: DS002.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

6.683min (+ 0.761) 88.61 ppm m

response 1055879

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	7.40	6.63
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

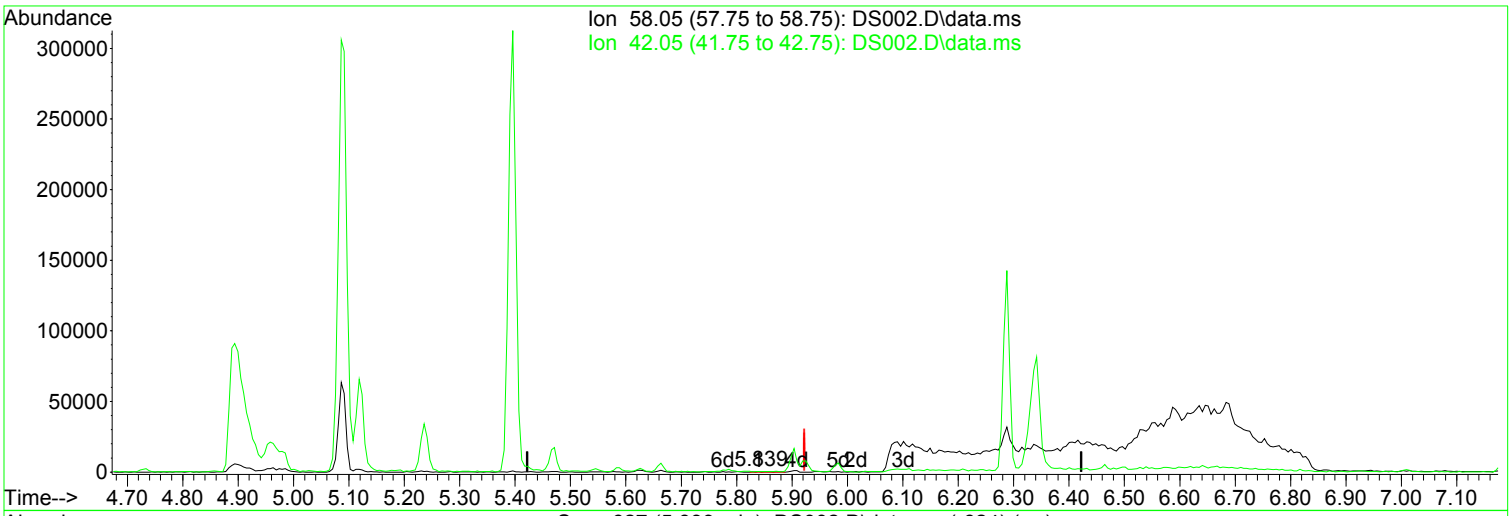
Poor integration.

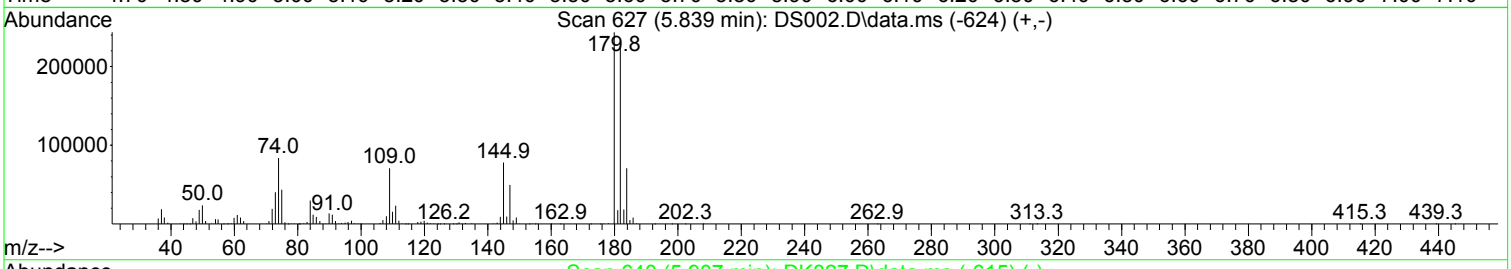
05/14/19

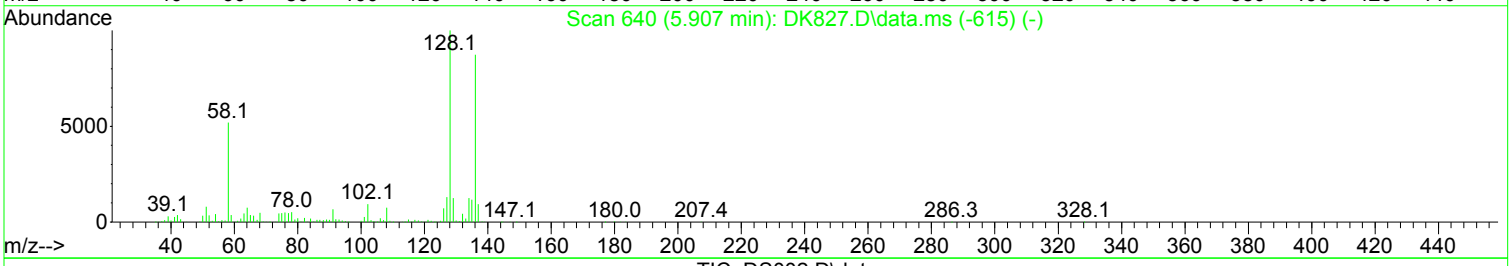
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\051319\
Data File : DS002.D
Acq On : 13 May 2019 8:41 am
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270D/625
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 13 09:05:26 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration







TIC: DS002.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

5.839min (-0.083) 0.04 ppm

response 436

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	7.40	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

05/14/19

1st DM 05/14/19
2nd BA 05/14/19

Data Path : I:\ACQUDATA\5973A\DATA\051319\
Data File : DS002.D
Acq On : 13 May 2019 8:41 am
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270D/625
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 13 09:05:26 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
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	AvgRF	CCRF	%D	%Dev	Area%	Dev(min)
1	IR	d4-1,4-Dichlorobenzene	1.000	1.000		0.0	148	0.00
2	TM	Pyridine	1.563	1.659		-6.1	145	0.00
3	TM	N-Nitrosodimethylamine	0.934	0.990		-6.0	148	0.00
4	TM	2-Picoline	1.589	1.574		0.9	143	0.00
5	TM	N-Nitrosomethylamine	0.643	0.685		-6.5	160	0.00
6	TM	Methyl Methansulfonate	0.724	0.692		4.4	139	0.00
7	S	SURR1,2-FLUOROPHENOL	1.455	1.434		1.4	144	0.00
8	TM	N-Nitrosodiethylamine	0.709	0.708		0.1	145	0.00
9	TM	Ethyl Mathanesulfonate	1.223	1.198		2.0	149	0.00
10	TM	Benzaldehyde	1.023	1.117		-9.2	167	0.00
11	TM	Aniline	2.281	2.303		-1.0	147	0.00
12	S	SURR2,PHENOL-D6	1.787	1.799		-0.7	145	0.00
13	TMC	Phenol	1.955	1.973		-0.9	147	0.00
14	TM	bis(2-Clethyl)Ether	1.353	1.340		1.0	150	0.00
15	TM	Pentachloroethane	0.545	0.529		2.9	143	0.00
16	TM	2-Chlorophenol	1.536	1.533		0.2	146	0.00
17	TM	1,3-Diclbenzene	1.598	1.552		2.9	144	0.00
18	TMC	1,4-Dichlorobenzene	1.635	1.596		2.4	143	0.00
19	TM	1,2-Diclbenzene	1.563	1.511		3.3	144	0.00
20	TM	Benzyl Alcohol	1.040	1.059		-1.8	148	0.00
21	T	1-Methyl-2-pyrrolidinone	0.950	0.991		-4.3	149	0.00
22	TM	2,2'-oxybis(1-Chloropropane	1.300	1.354		-4.2	155	0.00
23	TM	2-Methylphenol	1.378	1.362		1.2	150	0.00
24	TM	3+4-Methylphenol	1.559	1.550		0.6	147	0.00
25	TM	Acetophenone	1.936	1.898		2.0	149	0.00
26	TMP	N-Nitroso-Di-n-propylamine	1.044	1.070		-2.5	159	0.00
27	TM	N-Nitrosopyrrolidine	0.759	0.752		0.9	147	0.00
28	TM	N-Nitrosomorpholine	0.747	0.757		-1.3	159	0.00
29	TM	o-Toluidine	2.150	2.098		2.4	148	0.00
30	TM	Hexachloroethane	0.629	0.615		2.2	147	0.00
31	TM	o,o,o-Triethylphosphorothio	0.656	0.651		0.8	149	0.00
32	TM	Alpha-terpinol	0.511	0.506		1.0	150	0.00
33	IR	d8-Naphthalene	1.000	1.000		0.0	153	0.00
34	S	SURR4,NITROBENZENE-D5	0.406	0.398		2.0	152	0.00
35	TM	Nitrobenzene	0.408	0.397		2.7	151	0.00
36	TM	N-Nitrosopiperidine	0.222	0.236		-6.3	165	0.00
37	TM	Isophorone	0.680	0.686		-0.9	154	0.00
38	TCM	2-Nitrophenol	0.211	0.212		-0.5	148	0.00
39	TM	2,4-Dimethylphenol	0.380	0.385		-1.3	150	0.00
40	TM	bis(-2-Chloroethoxy)Methane	0.400	0.400		0.0	151	0.00
41	TM	Benzoic Acid	0.144	0.165	-0.4	~~-14.6~~	154	0.00
42	TCM	2,4-Dichlorophenol	0.301	0.298		1.0	145	0.00
43	TM	a,a-Dimethylphenethylamine	0.759	0.840		-10.7	160	0.76#
44	TM	1,2,4-Trichlorobenzene	0.317	0.316		0.3	151	0.00
45	TM	Naphthalene	1.102	1.036		6.0	144	0.00
46	TM	4-Chloroaniline	0.461	0.445		3.5	145	0.00
47	TM	2,6-Dichlorophenol	0.315	0.306		2.9	148	0.00
48	TCM	Hexachlorobutadiene	0.161	0.162		-0.6	155	0.00
49	TM	Hexachloropropene	0.201	0.199		1.0	149	0.00
50	TMC	4-Chloro-3-methylphenol	0.300	0.298		0.7	148	0.00
51	TM	N-N-di-n-butylamine	0.238	0.235		1.3	152	0.00

1st DM 05/14/19
2nd BA 05/14/19

Data Path : I:\ACQUDATA\5973A\DATA\051319\
Data File : DS002.D
Acq On : 13 May 2019 8:41 am
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270D/625
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 13 09:05:26 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
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	AvgRF	CCRF	%D	%Dev	Area%	Dev(min)
52	TM	Caprolactam	0.119	0.111		6.7	149	0.02
53	TM	p-Phenylenediamine	0.077	0.067		13.0	123	0.01
54	TM	Safrole	0.283	0.275		2.8	146	0.00
55	TM	2-Methylnaphthalene	0.713	0.677		5.0	144	0.00
56	TM	1-Methylnaphthalene	0.668	0.628		6.0	146	0.00
57	IR	d10-Acenaphthene	1.000	1.000		0.0	147	0.00
58	TPM	Hexachlorocyclopentadiene	0.240	0.280	-1.3	~~-16.7~~	144	0.00
59	TM	1,2,4,5-Tetrachlorobenzene	0.589	0.608		-3.2	154	0.00
60	TM	1,2,3,4-Tetrachlorobenzene	0.620	0.634		-2.3	152	0.00
61	TCM	2,4,6-Trichlorophenol	0.373	0.400		-7.2	154	0.00
62	TM	2,4,5-Trichlorophenol	0.401	0.418		-4.2	149	0.00
63	S	SURR5,2-FLUOROBIPHENYL	1.521	1.474		3.1	145	0.00
64	TM	Isosafrole	0.257	0.257		0.0	152	0.00
65	TM	1,1'-Biphenyl	1.772	1.723		2.8	145	0.00
66	TM	2-Chloronaphthalene	1.281	1.251		2.3	147	0.00
67	TM	2-Nitroaniline	0.366	0.367		-0.3	157	0.00
68	TM	1,4-Naphthoquinone	0.402	0.392		2.5	137	0.00
69	TM	m-Dinitrobenzene	0.252	0.261		-3.6	155	0.00
70	TM	Acenaphthylene	2.051	2.022		1.4	148	0.00
71	TM	Dimethyl phthalate	1.497	1.397		6.7	147	0.00
72	TM	2,6-Dinitrotoluene	0.340	0.332		2.4	150	0.00
73	TMC	Acenaphthene	1.427	1.399		2.0	146	0.00
74	TM	3-Nitroaniline	0.391	0.381		2.6	145	0.00
75	TPM	2,4-Dinitrophenol	0.117	0.155	-13.3	~~-32.5~~#	171	0.00
76	TM	Dibenzofuran	1.762	1.735		1.5	146	0.00
77	TM	2,4-Dinitrotoluene	0.449	0.458		-2.0	150	0.00
78	TMP	4-Nitrophenol	0.256	0.291		-13.7	159	0.00
79	TM	Pentachlorobenzene	0.472	0.504		-6.8	159	0.00
80	TM	1-Napthylamine	0.928	0.878		5.4	146	0.00
81	TM	2-Napthylamine	1.182	1.133		4.1	147	0.00
82	TM	2,3,4,6-Tetrachlorophenol	0.269	0.309		-14.9	160	0.00
83	TM	Fluorene	1.449	1.401		3.3	149	0.00
84	TM	4-Chlorophenyl-phenylether	0.585	0.599		-2.4	154	0.00
85	TM	Diethylphthalate	1.483	1.464		1.3	150	0.00
86	TM	4-Nitroaniline	0.385	0.391		-1.6	143	0.00
87	TM	5-Nitro-o-toluidine	0.438	0.431		1.6	143	0.00
88	S	SURR3,2,4,6-TRIBROMOPHENOL	0.164	0.181		-10.4	165	0.00
89	TM	Sulfotepp	0.185	0.204		-10.3	167	0.00
90	TM	Octachlorocyclopentene	0.188	0.201		-6.9	153	0.00
91	IR	d10-Phenanthrene	1.000	1.000		0.0	148	0.00
92	TM	Thionazin	0.157	0.151		3.8	149	0.00
93	TM	4,6-Dinitro-2-methylphenol	0.154	0.169		-9.7	158	0.00
94	TM	Diphenylamine	0.707	0.686		3.0	148	0.00
95	TM	1,2 Diphenylhydrazine	0.892	0.876		1.8	155	0.00
96	TCM	N-Nitrosodiphenylamine	0.707	0.686		3.0	148	0.00
97	TM	1,3,5-Trinirobenzene	0.128	0.134		-4.7	152	0.02
98	TM	Diallate	0.368	0.341		7.3	152	0.00
99	TM	Phorate	0.185	0.172		7.0	144	0.00
100	TM	Phenacetin	0.466	0.475		-1.9	150	0.02
101	TM	4-Bromophenyl-phenylether	0.209	0.204		2.4	150	0.00

1st DM 05/14/19
2nd BA 05/14/19

Data Path : I:\ACQUDATA\5973A\DATA\051319\
Data File : DS002.D
Acq On : 13 May 2019 8:41 am
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270D/625
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 13 09:05:26 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
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	AvgRF	CCRF	%D	%Dev	Area%	Dev(min)
102	TM	Hexachlorobenzene	0.235	0.240		-2.1	161	0.00
103	TM	Dimethoate	0.306	0.294		3.9	148	0.02
104	TM	Atrazine	0.114	0.106		7.0	140	0.00
105	TCM	Pentachlorophenol	0.077	0.125	-34.4	-62.3#	207#	0.00
106	TM	4-Aminobiphenyl	0.718	0.696		3.1	142	0.00
107	TM	Pentachloronitrobenzene	0.087	0.100		-14.9	166	0.00
108	TM	Pronamide	0.409	0.428		-4.6	148	0.00
109	TM	Dinoseb	0.203	0.227		-11.8	158	0.00
110	TM	Disulfoton	0.439	0.420		4.3	148	0.00
111	TM	Phenanthrene	1.265	1.215		4.0	145	0.00
112	TM	Anthracene	1.257	1.238		1.5	148	0.00
113	TM	Carbazole	1.235	1.216		1.5	144	0.00
114	TM	Di-n-butylphthalate	1.596	1.616		-1.3	151	0.00
115	TM	4-Nitroquinonline-1-oxide	0.075	0.055		26.7#	104	0.00
116	TCM	Fluoranthene	1.295	1.319		-1.9	148	0.00
117	IR	d12-Chrysene	1.000	1.000		0.0	151	0.00
118	TM	Methyl Parathion	0.317	0.301		5.0	140	0.00
119	TM	Ethyl Parathion	0.237	0.242		-2.1	153	0.00
120	TM	Methapyrilene	0.345	0.274		20.6#	120	0.02
121	TM	Isodrin	0.146	0.142		2.7	147	0.00
122	TM	Benzidine	0.939	0.869		7.5	132	0.00
123	TM	Pyrene	1.469	1.511		-2.9	148	0.00
124	S	SURR6,TERPHENYL-D14	0.942	0.977		-3.7	153	0.00
125	TM	Aramite	0.201	0.200		0.5	147	0.01
126	TM	p-(Dimethylamino)azobenzene	0.436	0.438		-0.5	140	0.00
127	TM	Chlorobenzilate	0.510	0.521		-2.2	148	0.00
128	TM	Butyl benzyl phthalate	0.815	0.817		-0.2	149	0.00
129	TM	3,3-Dimethylbenzidine	0.893	0.811		9.2	131	0.00
130	TM	2-Acetylaminofluorene	0.651	0.643		1.2	142	0.01
131	TM	3,3'-Dichlorobenzidine	0.532	0.511		3.9	143	0.00
132	TM	Benzo(a)anthracene	1.358	1.335		1.7	148	0.01
133	TM	Chrysene	1.250	1.242		0.6	149	0.00
134	TM	bis(2-Ethylhexyl)phthalate	1.121	1.120		0.1	149	0.00
135	IR	d12-Perylene	1.000	1.000		0.0	148	0.02
136	TCM	Di-n-octyl phthalate	1.898	1.896		0.1	147	0.00
137	TM	7,12-Dimethylbenz(a)anthrac	0.605	0.621		-2.6	148	0.01
138	TM	Benzo(b)Fluoranthene	1.331	1.347		-1.2	148	0.02
139	TM	Benzo(k)fluoranthene	1.261	1.262		-0.1	145	0.02
140	TCM	Benzo(a)pyrene	1.145	1.164		-1.7	148	0.02
141	TM	3-Methylcholanthrene	0.670	0.670		0.0	145	0.02
142	TM	Indeno(1,2,3-cd)Pyrene	1.123	1.177		-4.8	156	0.02
143	TM	Dibenz(a,h)anthracene	1.176	1.216		-3.4	151	0.02
144	TM	Benzo(g,h,i)perylene	0.968	0.995		-2.8	153	0.02

(#) = Out of Range SPCC's out = 0 CCC's out = 1

1st DM 05/14/19
2nd BA 05/14/19

Data Path : I:\ACQUDATA\5973A\DATA\051319\
Data File : DS002.D
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Quant Title : 8270 BNA ANALYSIS
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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) d4-1,4-Dichlorobenzene	4.734	152	164546	40.00	ppm		0.00
33) d8-Naphthalene	5.903	136	628353	40.00	ppm		0.00
57) d10-Acenaphthene	7.613	164	301006	40.00	ppm		0.00
91) d10-Phenanthrene	9.087	188	470232	40.00	ppm		0.00
117) d12-Chrysene	12.361	240	428068	40.00	ppm		0.00
135) d12-Perylene	15.309	264	421409	40.00	ppm		0.02
System Monitoring Compounds							
7) SURR1,2-FLUOROPHENOL	3.660	112	471942	78.85	ppm		0.00
Spiked Amount 100.000	Range 10 - 70		Recovery = 78.85%#				
12) SURR2,PHENOL-D6	4.419	99	592032	80.52	ppm		0.00
Spiked Amount 100.000	Range 10 - 107		Recovery = 80.52%				
34) SURR4,NITROBENZENE-D5	5.236	82	500719	78.53	ppm		0.00
Spiked Amount 50.000	Range 31 - 110		Recovery = 157.06%#				
63) SURR5,2-FLUOROBIPHENYL	6.945	172	887295	77.52	ppm		0.00
Spiked Amount 50.000	Range 31 - 118		Recovery = 155.04%#				
88) SURR3,2,4,6-TRIBROMOPH...	8.403	330	109094	88.51	ppm		0.00
Spiked Amount 100.000	Range 35 - 141		Recovery = 88.51%				
124) SURR6,TERPHENYL-D14	10.774	244	836580	82.96	ppm		0.00
Spiked Amount 50.000	Range 10 - 165		Recovery = 165.92%#				
Target Compounds							Qvalue
2) Pyridine	2.619	79	546044	84.950	ppm		97
3) N-Nitrosodimethylamine	2.587	74	325714	84.791	ppm		99
4) 2-Picoline	3.195	93	517910	79.249	ppm		98
5) N-Nitrosomethylamine	3.281	42	225550	85.319	ppm		94
6) Methyl Methansulfonate	3.521	80	227718	76.490	ppm		97
8) N-Nitrosodiethylamine	3.831	102	233089	79.870	ppm		97
9) Ethyl Mathanesulfonate	4.077	79	394357	78.390	ppm		99
10) Benzaldehyde	4.365	106	367483	87.306	ppm		99
11) Aniline	4.451	93	757989	80.773	ppm		90
13) Phenol	4.435	94	649220	80.732	ppm		98
14) bis(2-Clethyl)Ether	4.493	93	440857	79.232	ppm		96
15) Pentachloroethane	4.488	117	174007	77.671	ppm		95
16) 2-Chlorophenol	4.557	128	504344	79.842	ppm		99
17) 1,3-Diclbenzene	4.680	146	510632	77.675	ppm		97
18) 1,4-Dichlorobenzene	4.750	146	525158	78.062	ppm		98
19) 1,2-Diclbenzene	4.883	146	497109	77.336	ppm		98
20) Benzyl Alcohol	4.857	79	348473	81.454	ppm		97
21) 1-Methyl-2-pyrrolidinone	4.894	99	326288	83.449	ppm		92
22) 2,2'-oxybis(1-Chloropr...	4.958	45	445493	83.324	ppm	#	80
23) 2-Methylphenol	4.974	108	448127	79.064	ppm		95
24) 3+4-Methylphenol	5.108	108	510129	79.543	ppm		97
25) Acetophenone	5.092	105	624592	78.413	ppm		99
26) N-Nitroso-Di-n-propyla...	5.086	70	352198	81.983	ppm		96
27) N-Nitrosopyrrolidine	5.092	100	247492	79.226	ppm		91
28) N-Nitrosomorpholine	5.118	56	249165	81.031	ppm		90
29) o-Toluidine	5.124	106	690513	78.064	ppm		96
30) Hexachloroethane	5.182	117	202392	78.161	ppm		98
31) o,o,o-Triethylphosphor...	5.626	198	214263	79.449	ppm		98
32) Alpha-terpinol	5.925	121	166378	79.157	ppm		93
35) Nitrobenzene	5.252	77	498844	77.892	ppm		94
36) N-Nitrosopiperidine	5.396	42	296144	85.075	ppm		97
37) Isophorone	5.471	82	861699	80.723	ppm		100
38) 2-Nitrophenol	5.546	139	266382	80.394	ppm		95

Data Path : I:\ACQUDATA\5973A\DATA\051319\
Data File : DS002.D
Acq On : 13 May 2019 8:41 am
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270D/625
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 13 09:05:26 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) 2,4-Dimethylphenol	5.583	107	484339	81.172	ppm		92
40) bis(-2-Chloroethoxy)Me...	5.663	93	502476	80.058	ppm		100
41) Benzoic Acid	5.684	105	207876m	80.289	ppm		
42) 2,4-Dichlorophenol	5.786	162	374605	79.260	ppm		93
43) a,a-Dimethylphenethyla...	6.683	58	1055879m	88.614	ppm		
44) 1,2,4-Trichlorobenzene	5.845	180	397721	79.811	ppm		98
45) Naphthalene	5.925	128	1302371	75.203	ppm		99
46) 4-Chloroaniline	5.984	127	559468	77.204	ppm		99
47) 2,6-Dichlorophenol	5.989	162	384947	77.888	ppm		97
48) Hexachlorobutadiene	6.026	225	203500	80.597	ppm		97
49) Hexachloropropene	6.000	213	250183	79.302	ppm		94
50) 4-Chloro-3-methylphenol	6.464	107	374968	79.436	ppm		87
51) N-N-di-n-butylamine	6.288	84	294907	78.783	ppm		98
52) Caprolactam	6.341	113	139501	74.464	ppm		96
53) p-Phenylenediamine	6.347	80	83822	69.378	ppm		85
54) Safrole	6.496	162	345031	77.617	ppm		97
55) 2-Methylnaphthalene	6.587	142	850748	75.907	ppm		97
56) 1-Methylnaphthalene	6.683	142	789230	75.267	ppm		98
58) Hexachlorocyclopentadiene	6.731	237	168678	81.062	ppm		98
59) 1,2,4,5-Tetrachloroben...	6.753	216	365883	82.589	ppm		98
60) 1,2,3,4-Tetrachloroben...	7.030	216	381972	81.881	ppm		95
61) 2,4,6-Trichlorophenol	6.875	196	240937	85.865	ppm		97
62) 2,4,5-Trichlorophenol	6.929	196	251433	83.311	ppm		99
64) Isosafrole	7.009	104	154538	79.829	ppm		92
65) 1,1'-Biphenyl	7.046	154	1037497	77.806	ppm		98
66) 2-Chloronaphthalene	7.068	162	753377	78.169	ppm		98
67) 2-Nitroaniline	7.180	65	220911	80.187	ppm		94
68) 1,4-Naphthoquinone	7.255	158	235850	77.951	ppm		95
69) m-Dinitrobenzene	7.399	168	157416	83.134	ppm		88
70) Acenaphthylene	7.474	152	1217453	78.866	ppm		99
71) Dimethyl phthalate	7.345	163	841143	74.648	ppm		99
72) 2,6-Dinitrotoluene	7.415	165	199829	78.114	ppm		87
73) Acenaphthene	7.645	153	841937	78.402	ppm		98
74) 3-Nitroaniline	7.591	138	229344	77.987	ppm		98
75) 2,4-Dinitrophenol	7.709	184	93081	90.674	ppm		92
76) Dibenzofuran	7.815	168	1044410	78.760	ppm		97
77) 2,4-Dinitrotoluene	7.821	165	275882	81.657	ppm		97
78) 4-Nitrophenol	7.815	65	174923	90.662	ppm	#	1
79) Pentachlorobenzene	7.773	250	303427	85.463	ppm		98
80) 1-Napthylamine	7.906	143	528339	75.656	ppm		99
81) 2-Napthylamine	7.986	143	682167	76.717	ppm		99
82) 2,3,4,6-Tetrachlorophenol	7.949	232	185771	91.748	ppm		93
83) Fluorene	8.157	166	843533	77.367	ppm		100
84) 4-Chlorophenyl-phenyle...	8.152	204	360883	82.045	ppm		93
85) Diethylphthalate	8.040	149	881105	78.957	ppm		100
86) 4-Nitroaniline	8.211	138	235557	81.207	ppm		98
87) 5-Nitro-o-toluidine	8.189	152	259322	78.742	ppm		97
89) Sulfotepp	8.419	322	122677	88.081	ppm		76
90) Octachlorocyclopentene	8.392	307	120785	85.191	ppm		97
92) Thionazin	8.120	107	141926	76.932	ppm		94
93) 4,6-Dinitro-2-methylph...	8.227	198	158527	87.458	ppm		96
94) Diphenylamine	8.275	169	1289643	155.203	ppm		99
95) 1,2 Diphenylhydrazine	8.307	77	823564	78.542	ppm		97
96) N-Nitrosodiphenylamine	8.275	169	1289643	155.203	ppm		99
97) 1,3,5-Trinirobenzene	8.611	74	126047	84.046	ppm		95
98) Diallate	8.547	86	321009	74.247	ppm		99

1st DM 05/14/19
2nd BA 05/14/19

Data Path : I:\ACQUDATA\5973A\DATA\051319\
Data File : DS002.D
Acq On : 13 May 2019 8:41 am
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270D/625
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 13 09:05:26 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration

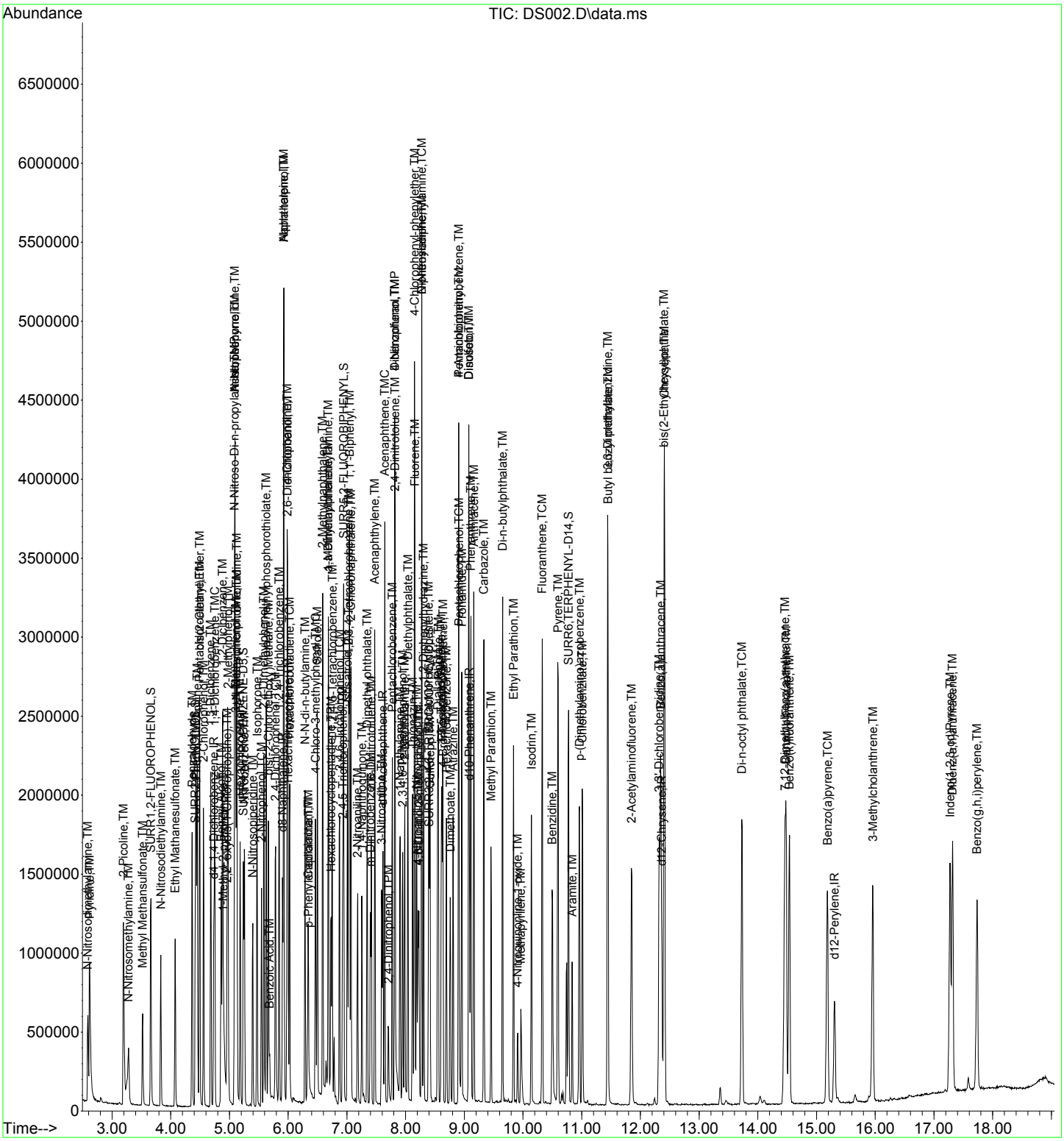
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
99) Phorate	8.558	121	161572	74.283	ppm	92
100) Phenacetin	8.617	108	446538	81.510	ppm	97
101) 4-Bromophenyl-phenylether	8.638	248	191696	77.964	ppm	94
102) Hexachlorobenzene	8.697	284	225739	81.641	ppm	94
103) Dimethoate	8.761	87	276104	76.847	ppm	94
104) Atrazine	8.809	215	99743	74.186	ppm	97
105) Pentachlorophenol	8.910	266	117487	107.503	ppm	93
106) 4-Aminobiphenyl	8.905	169	654837	77.556	ppm	100
107) Pentachloronitrobenzene	8.905	237	94034	92.056	ppm	93
108) Pronamide	8.958	173	402587	83.737	ppm	98
109) Dinoseb	9.076	211	213054	89.303	ppm	95
110) Disulfoton	9.076	88	394774	76.544	ppm	94
111) Phenanthrene	9.113	178	1142394	76.820	ppm	100
112) Anthracene	9.161	178	1164487	78.810	ppm	98
113) Carbazole	9.332	167	1143228	78.766	ppm	99
114) Di-n-butylphthalate	9.653	149	1520007	81.023	ppm	99
115) 4-Nitroquinonline-1-oxide	9.909	190	52011	59.129	ppm	88
116) Fluoranthene	10.326	202	1240017	81.449	ppm	99
118) Methyl Parathion	9.455	109	257641	75.917	ppm	97
119) Ethyl Parathion	9.840	97	206963	81.624	ppm	98
120) Methapyrilene	9.963	58	234952	63.697	ppm	100
121) Isodrin	10.144	193	121947	77.915	ppm	93
122) Benzidine	10.497	184	744311	74.103	ppm	99
123) Pyrene	10.598	202	1293288	82.275	ppm	100
125) Aramite	10.839	185	171604m	79.643	ppm	
126) p-(Dimethylamino)azobe...	10.961	120	374791	80.258	ppm	96
127) Chlorobenzilate	11.009	139	446333	81.814	ppm	94
128) Butyl benzyl phthalate	11.447	149	699071	80.166	ppm	99
129) 3,3-Dimethylbenzidine	11.442	212	694217	72.608	ppm	98
130) 2-Acetylaminofluorene	11.848	181	550328	79.022	ppm	97
131) 3,3'-Dichlorobenzidine	12.318	252	437801	76.890	ppm	96
132) Benzo(a)anthracene	12.345	228	1142563	78.606	ppm	99
133) Chrysene	12.409	228	1063039	79.498	ppm	98
134) bis(2-Ethylhexyl)phtha...	12.403	149	958854	79.905	ppm	98
136) Di-n-octyl phthalate	13.728	149	1598391	79.922	ppm	98
137) 7,12-Dimethylbenz(a)an...	14.460	256	523504	82.175	ppm	99
138) Benzo(b)Fluoranthene	14.481	252	1135657	80.982	ppm	98
139) Benzo(k)fluoranthene	14.540	252	1063968	80.106	ppm	99
140) Benzo(a)pyrene	15.186	252	981373	81.373	ppm	98
141) 3-Methylcholanthrene	15.961	268	564288	79.890	ppm	99
142) Indeno(1,2,3-cd)Pyrene	17.275	276	991602	83.841	ppm	95
143) Dibenz(a,h)anthracene	17.317	278	1025110	82.722	ppm	98
144) Benzo(g,h,i)perylene	17.734	276	838247	82.234	ppm	97

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

1st DM 05/14/19
2nd BA 05/14/19

Data Path : I:\ACQUDATA\5973A\DATA\051319\
Data File : DS002.D
Acq On : 13 May 2019 8:41 am
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270D/625
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 13 09:05:26 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration

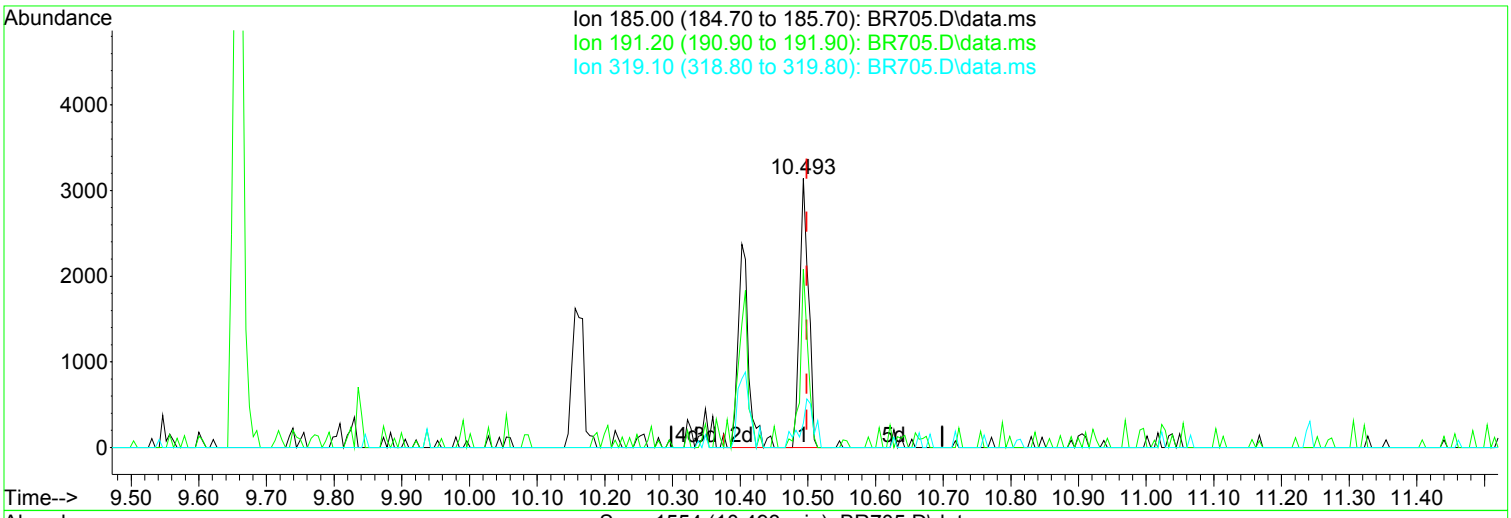


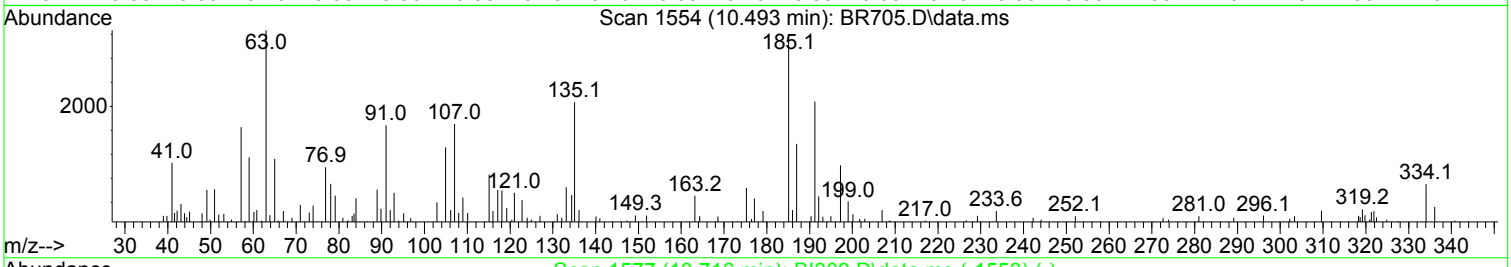
1st DM 05/09/19
2nd BA 05/09/19

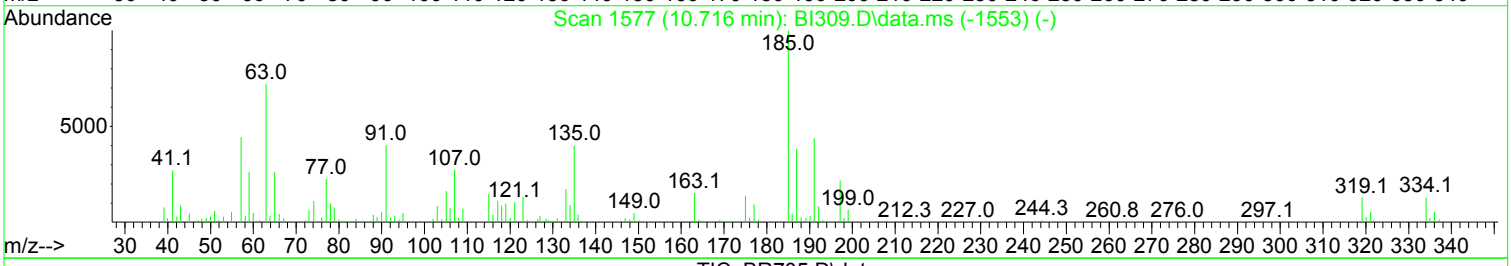
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\050819\
Data File : BR705.D
Acq On : 8 May 2019 1:50 pm
Operator : JMisiurewicz
Sample : MDL 1 - 10 ppm
Misc : 335967 8270D SOIL
ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 09 06:42:07 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Thu May 09 06:41:37 2019
Response via : Initial Calibration







TIC: BR705.D\data.ms

(125) Aramite (TM)

10.493min (-0.006) 5.89 ppm m

response 5470

Ion	Exp%	Act%
185.00	100.00	100.00
191.20	47.90	66.24
319.10	17.60	9.01
0.00	0.00	0.00

Manual Integration:

After

Split Peak.

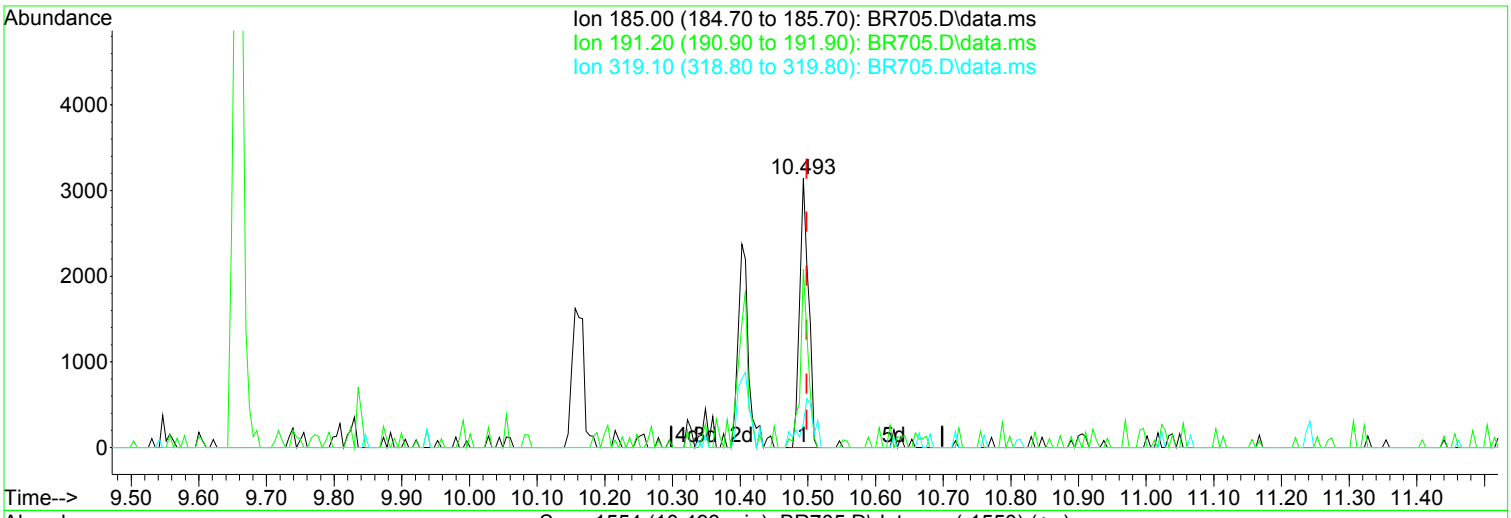
05/09/19

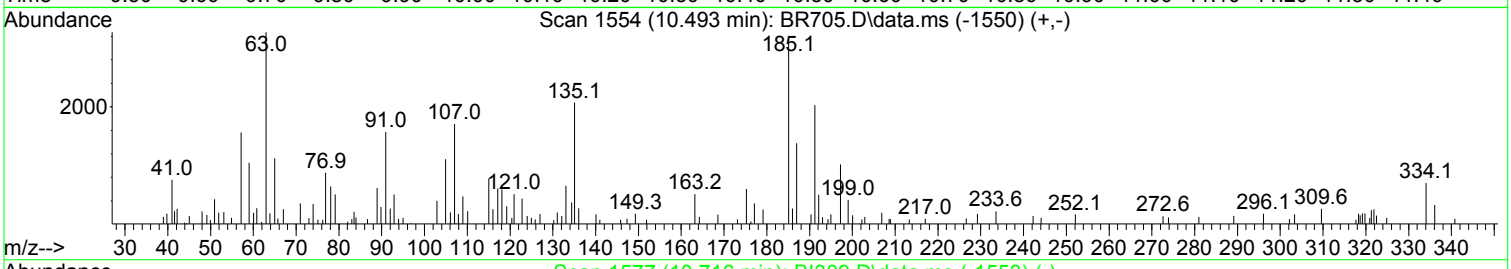
1st DM 05/09/19
2nd BA 05/09/19

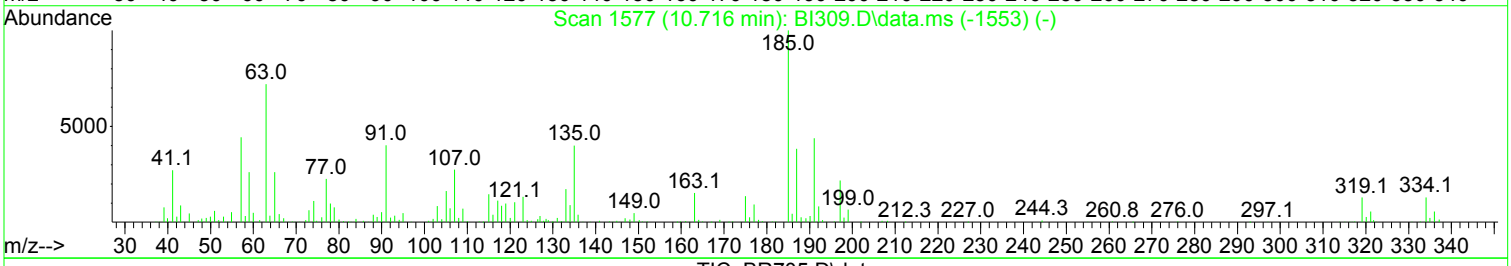
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\050819\
Data File : BR705.D
Acq On : 8 May 2019 1:50 pm
Operator : JMisiurewicz
Sample : MDL 1 - 10 ppm
Misc : 335967 8270D SOIL
ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 09 06:42:07 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Thu May 09 06:41:37 2019
Response via : Initial Calibration







TIC: BR705.D\data.ms

(125) Aramite (TM)

10.493min (-0.006) 3.08 ppm

response 2857

Ion	Exp%	Act%
185.00	100.00	100.00
191.20	47.90	65.52
319.10	17.60	12.09
0.00	0.00	0.00

Manual Integration:

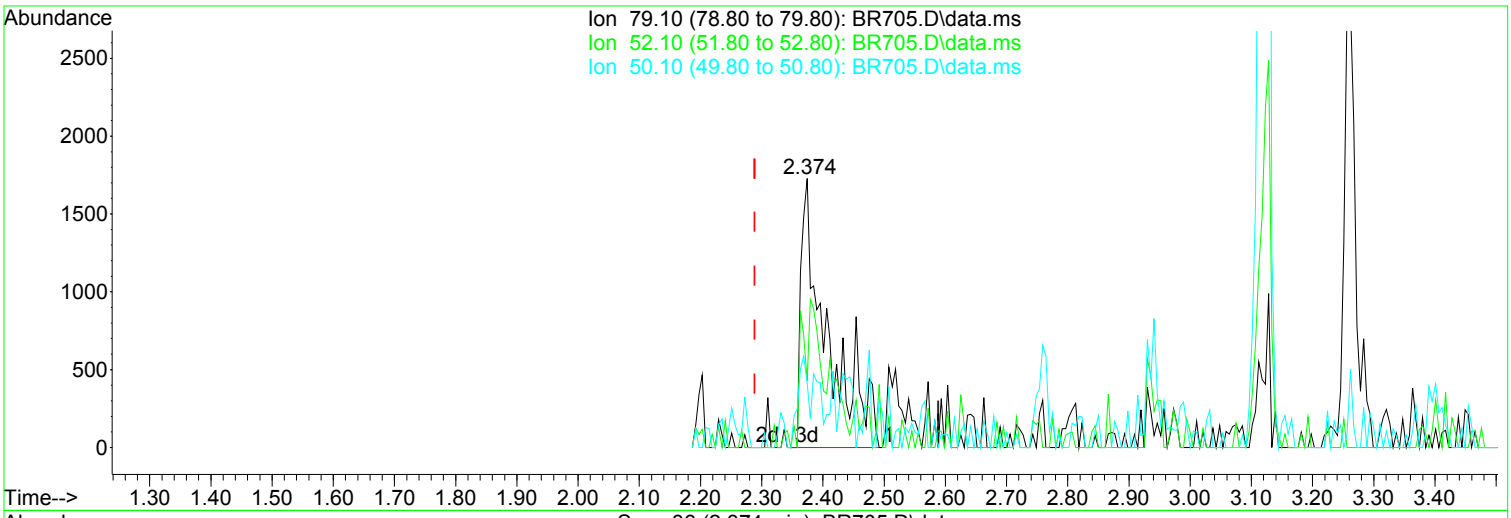
Before

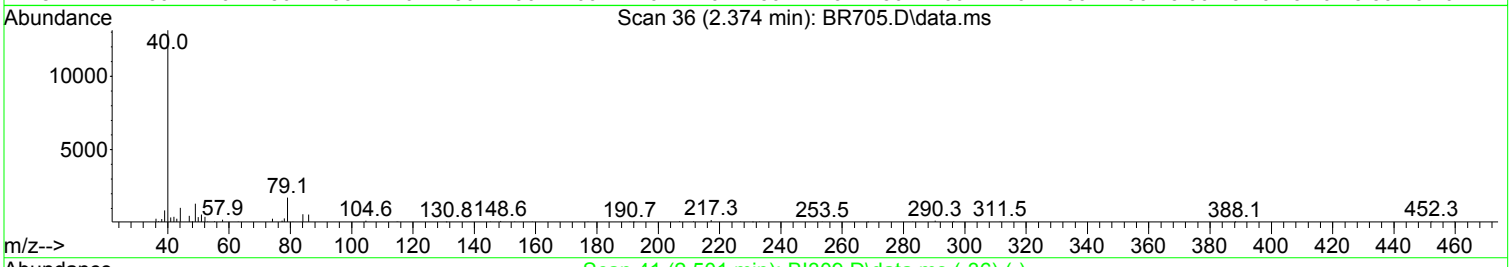
05/09/19

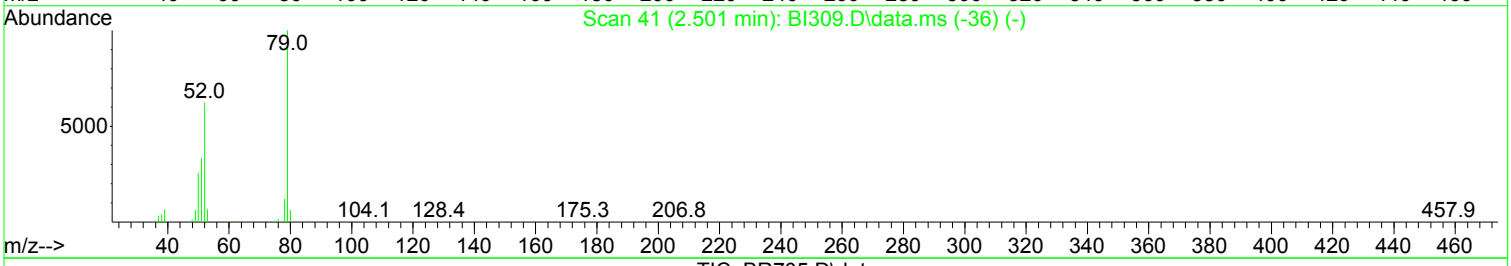
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\050819\
Data File : BR705.D
Acq On : 8 May 2019 1:50 pm
Operator : JMisiurewicz
Sample : MDL 1 - 10 ppm
Misc : 335967 8270D SOIL
ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 09 06:42:07 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Thu May 09 06:41:37 2019
Response via : Initial Calibration







TIC: BR705.D\data.ms

(2) Pyridine (TM)

2.374min (+ 0.085) 2.30 ppm m

response 5009

Ion	Exp%	Act%
79.10	100.00	100.00
52.10	59.40	24.88#
50.10	23.80	23.90
0.00	0.00	0.00

Manual Integration:

After

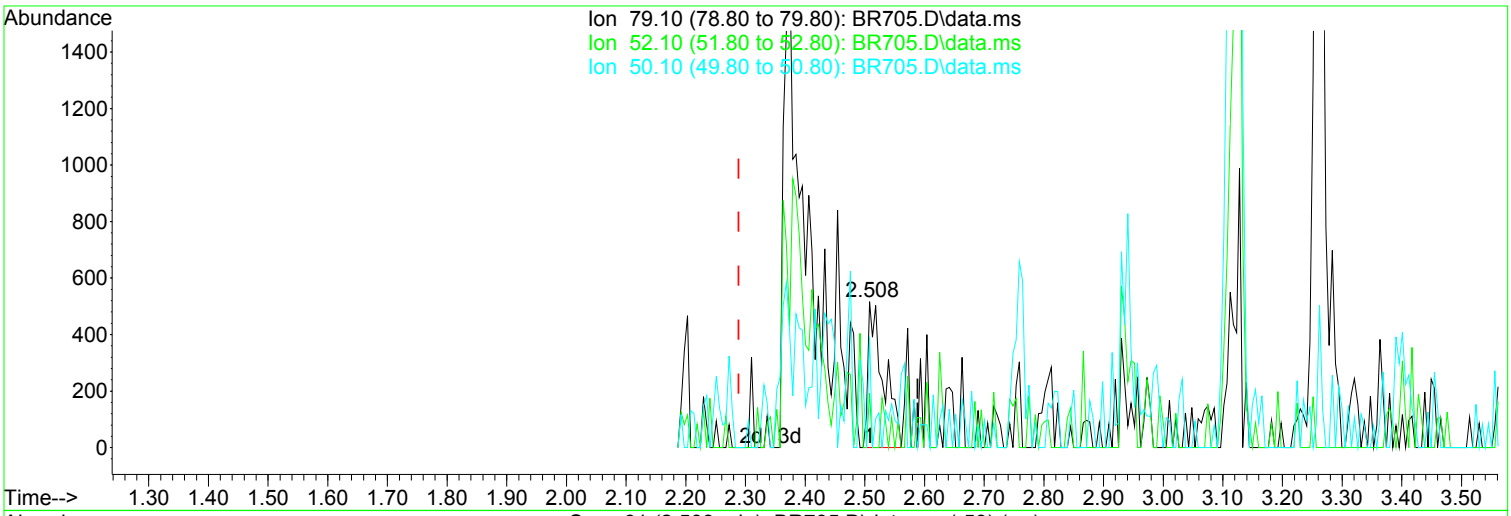
Poor integration.

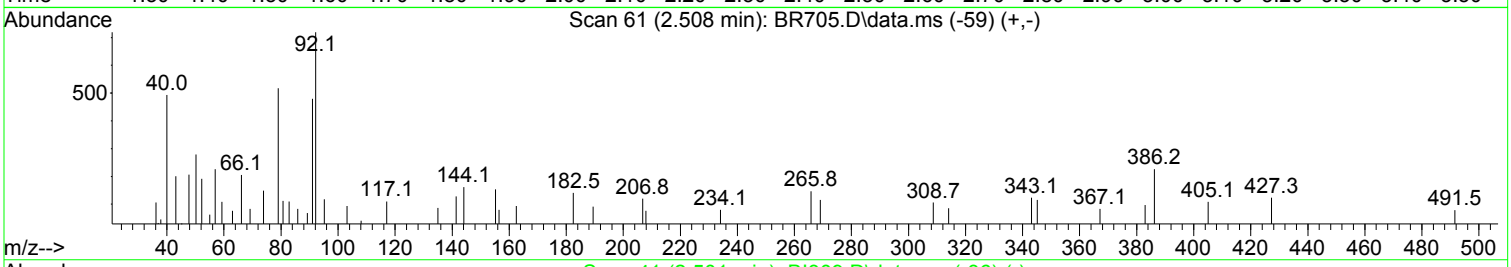
05/09/19

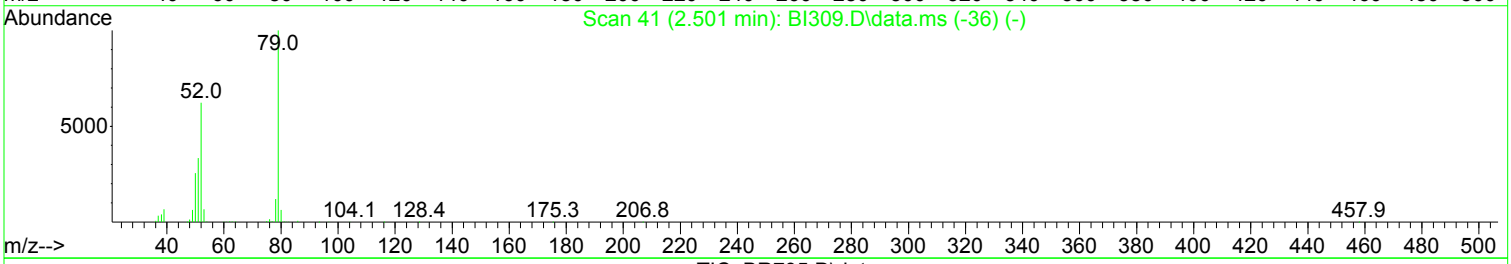
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\050819\
Data File : BR705.D
Acq On : 8 May 2019 1:50 pm
Operator : JMisiurewicz
Sample : MDL 1 - 10 ppm
Misc : 335967 8270D SOIL
ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 09 06:42:07 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Thu May 09 06:41:37 2019
Response via : Initial Calibration







TIC: BR705.D\data.ms

(2) Pyridine (TM)

2.508min (+ 0.219) 0.43 ppm

response 945

Ion	Exp%	Act%
79.10	100.00	100.00
52.10	59.40	37.14
50.10	23.80	28.92
0.00	0.00	0.00

Manual Integration:

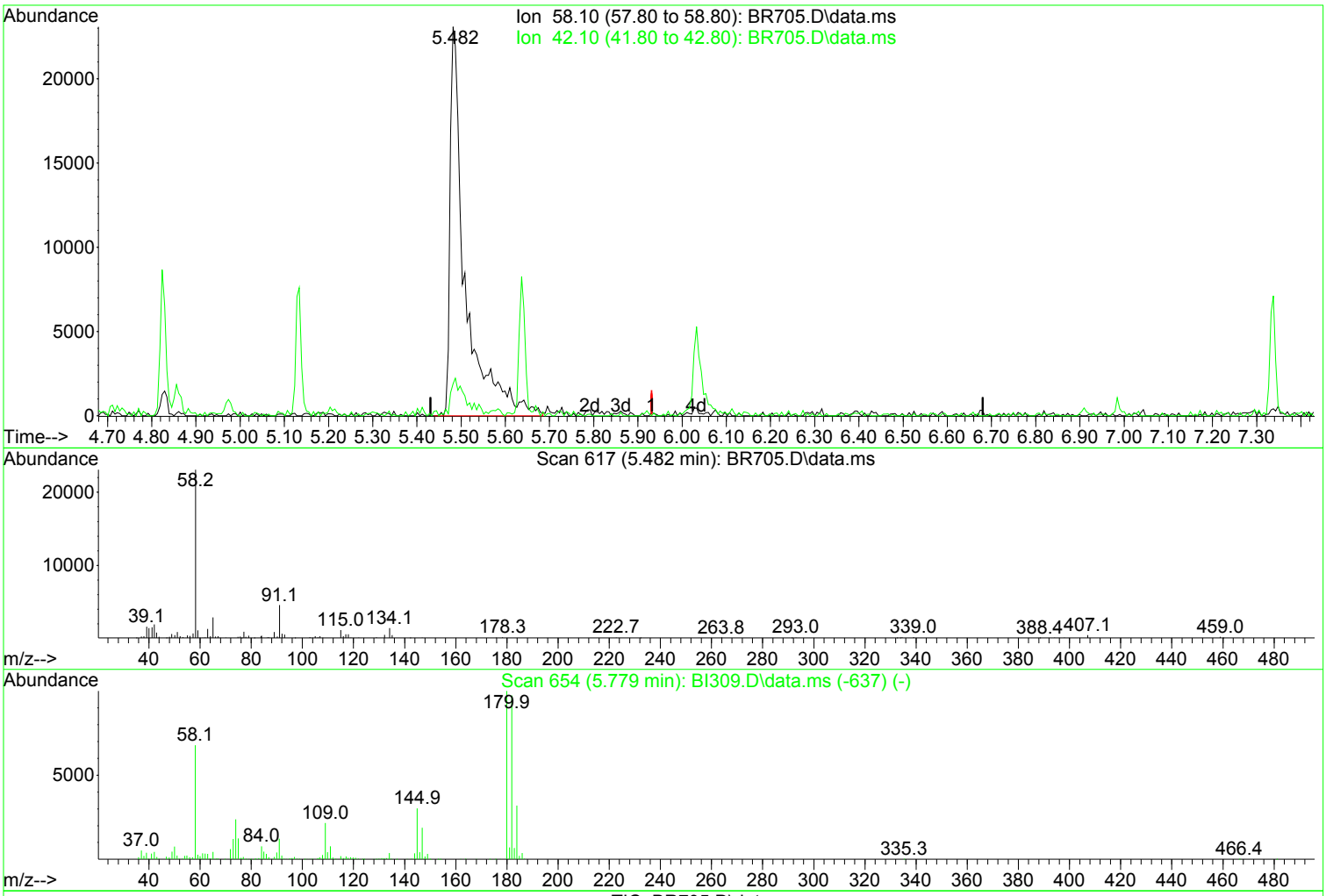
Before

05/09/19

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\050819\
Data File : BR705.D
Acq On : 8 May 2019 1:50 pm
Operator : JMisiurewicz
Sample : MDL 1 - 10 ppm
Misc : 335967 8270D SOIL
ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 09 06:42:07 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Thu May 09 06:41:37 2019
Response via : Initial Calibration



TIC: BR705.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

5.482min (-0.449) 12.44 ppm m

response 55214

Ion	Exp%	Act%
58.10	100.00	100.00
42.10	6.70	8.26
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

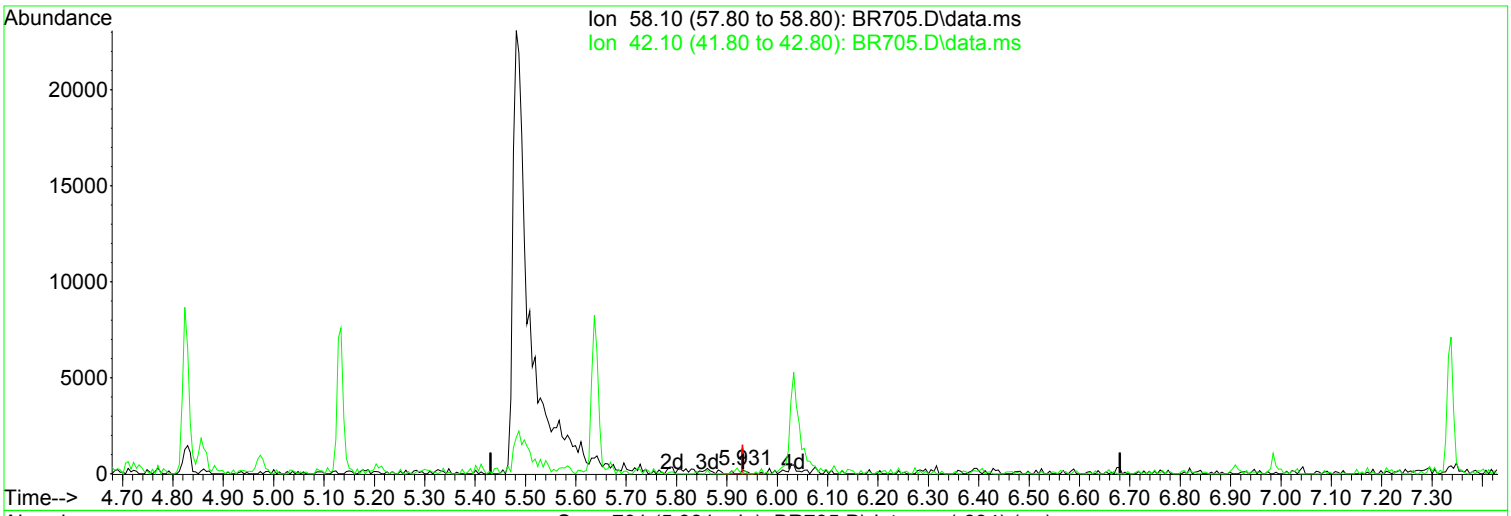
Peak not found.

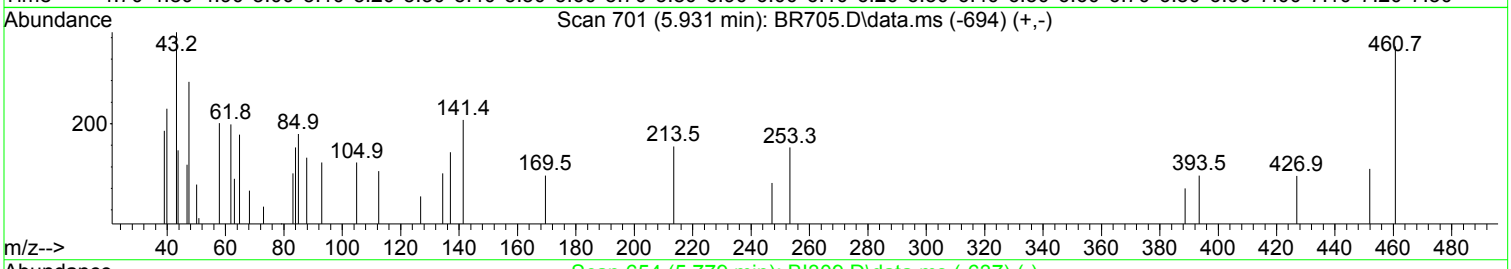
05/09/19

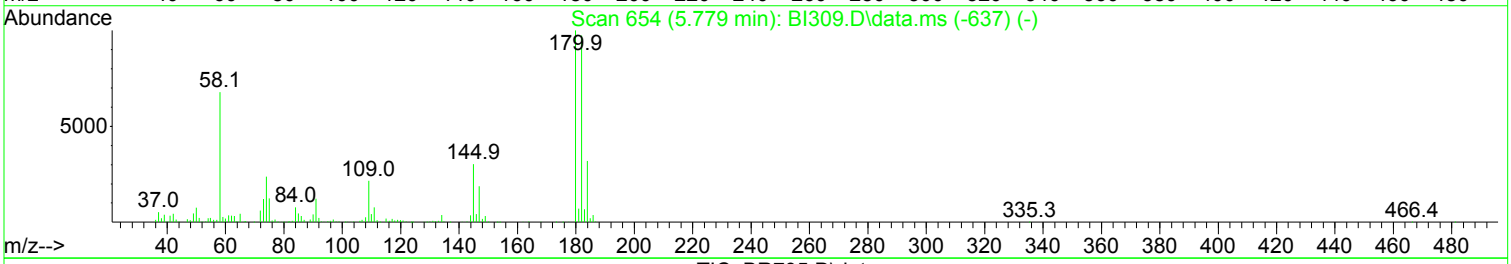
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\050819\
Data File : BR705.D
Acq On : 8 May 2019 1:50 pm
Operator : JMisiurewicz
Sample : MDL 1 - 10 ppm
Misc : 335967 8270D SOIL
ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 09 06:42:07 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Thu May 09 06:41:37 2019
Response via : Initial Calibration







TIC: BR705.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

5.931min (-0.000) 0.05 ppm

response 212

Ion	Exp%	Act%
58.10	100.00	100.00
42.10	6.70	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

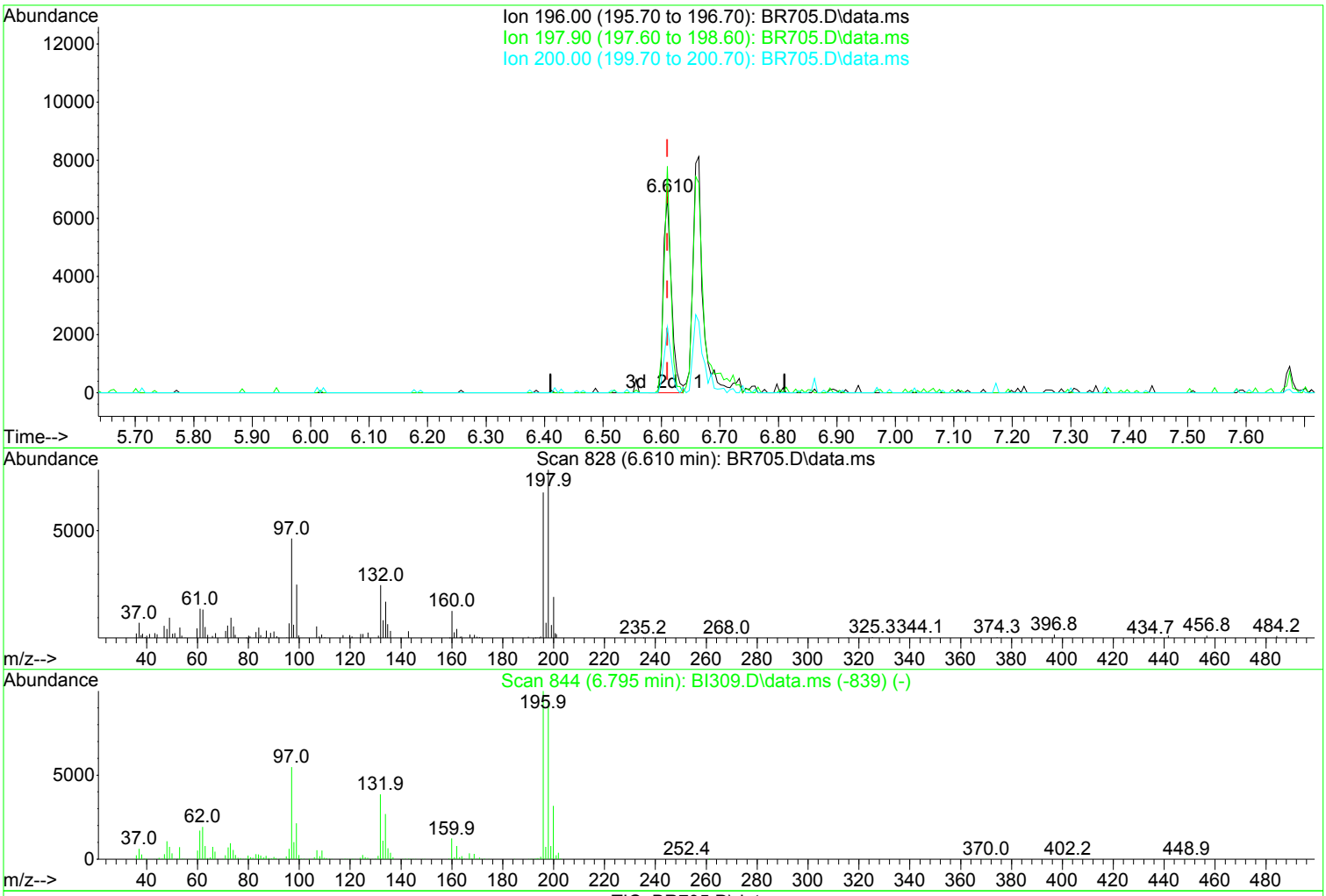
Before

05/09/19

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\050819\
Data File : BR705.D
Acq On : 8 May 2019 1:50 pm
Operator : JMisiurewicz
Sample : MDL 1 - 10 ppm
Misc : 335967 8270D SOIL
ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 09 06:42:07 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Thu May 09 06:41:37 2019
Response via : Initial Calibration



TIC: BR705.D\data.ms

(61) 2,4,6-Trichlorophenol (TCM)

6.610min (-0.000) 4.49 ppm m

response 6532

Ion	Exp%	Act%
196.00	100.00	100.00
197.90	94.90	115.56#
200.00	29.70	29.06
0.00	0.00	0.00

Manual Integration:

After

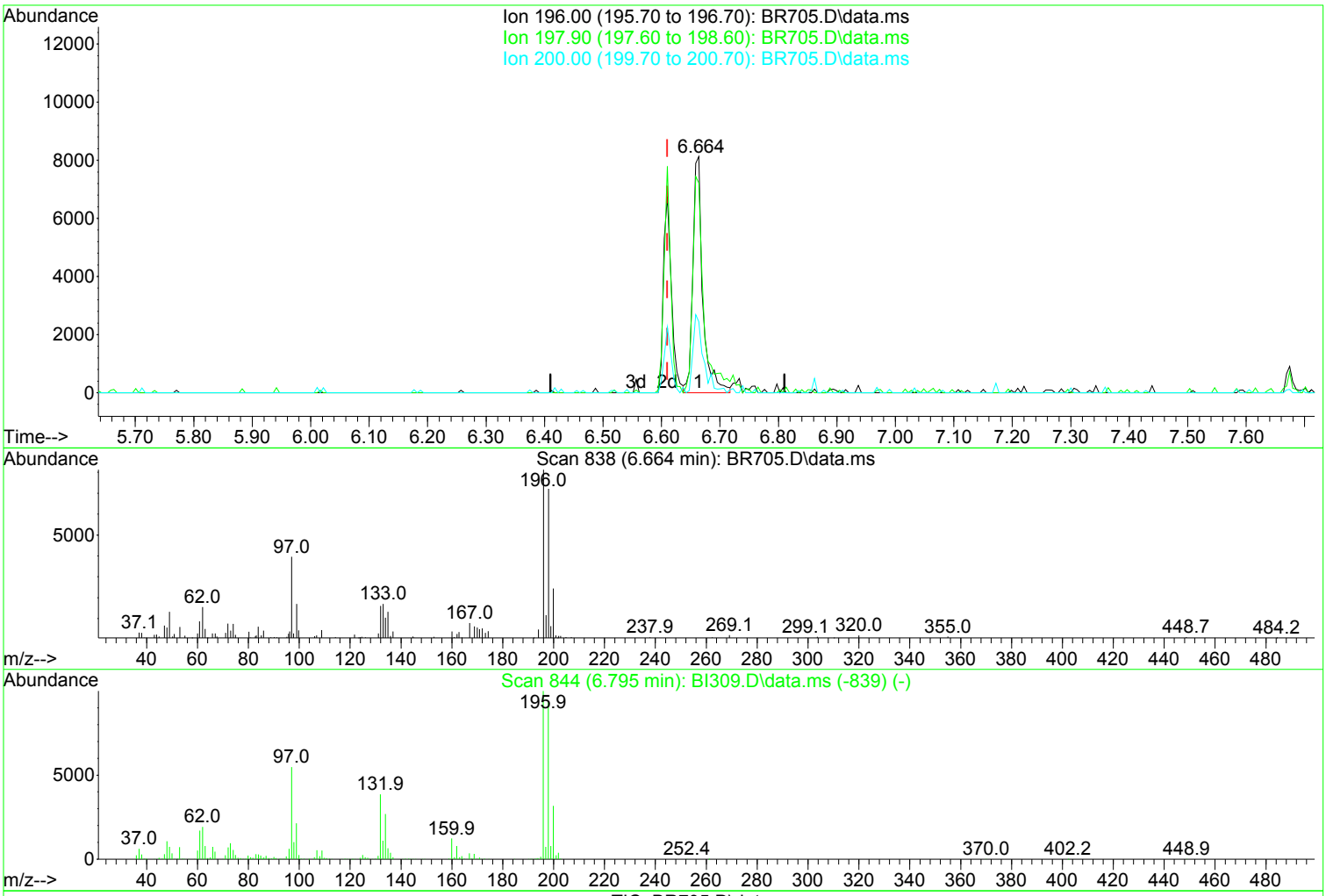
Wrong peak selected.

05/09/19

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\050819\
Data File : BR705.D
Acq On : 8 May 2019 1:50 pm
Operator : JMisiurewicz
Sample : MDL 1 - 10 ppm
Misc : 335967 8270D SOIL
ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 09 06:42:07 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Thu May 09 06:41:37 2019
Response via : Initial Calibration



TIC: BR705.D\data.ms

(61) 2,4,6-Trichlorophenol (TCM)

6.664min (+ 0.053) 6.57 ppm

response 9543

Ion	Exp%	Act%
196.00	100.00	100.00
197.90	94.90	88.82
200.00	29.70	30.12
0.00	0.00	0.00

Manual Integration:

Before

05/09/19

1st DM 05/09/19
2nd BA 05/09/19

Data Path : I:\ACQUDATA\5973D\Data\050819\
Data File : BR705.D
Acq On : 8 May 2019 1:50 pm
Operator : JMisiurewicz
Sample : MDL 1 - 10 ppm
Misc : 335967 8270D SOIL
ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 09 06:42:07 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Thu May 09 06:41:37 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) d4-1,4-Dichlorobenzene	4.476	152	63454	40.00	ppm		0.00
33) d8-Naphthalene	5.637	136	230864	40.00	ppm		0.00
57) d10-Acenaphthene	7.338	164	137694	40.00	ppm		0.00
91) d10-Phenanthrene	8.798	188	243703	40.00	ppm		0.00
117) d12-Chrysene	11.889	240	254666	40.00	ppm		-0.01
135) d12-Perylene	14.665	264	262132	40.00	ppm		0.00
System Monitoring Compounds							
7) SURR1,2-FLUOROPHENOL	3.396	112	8801	3.94	ppm		0.00
Spiked Amount 200.000	Range 10 - 88		Recovery = 1.97%#				
12) SURR2,PHENOL-D6	4.171	99	11069	4.00	ppm		0.00
Spiked Amount 200.000	Range 10 - 145		Recovery = 2.00%#				
34) SURR4,NITROBENZENE-D5	4.973	82	11011	4.63	ppm		0.00
Spiked Amount 100.000	Range 10 - 95		Recovery = 4.63%#				
63) SURR5,2-FLUOROBIPHENYL	6.680	172	23265	4.31	ppm		0.00
Spiked Amount 100.000	Range 10 - 102		Recovery = 4.31%#				
88) SURR3,2,4,6-TRIBROMOPH...	8.124	330	5316	5.33	ppm		0.00
Spiked Amount 200.000	Range 10 - 109		Recovery = 2.67%#				
124) SURR6,TERPHENYL-D14	10.424	244	36741	5.76	ppm		0.00
Spiked Amount 100.000	Range 10 - 106		Recovery = 5.76%#				
Target Compounds							Qvalue
2) Pyridine	2.374	79	5009m	2.302	ppm		
3) N-Nitrosodimethylamine	2.304	74	4074	3.180	ppm		75
4) 2-Picoline	2.930	93	6704	3.067	ppm		88
5) N-Nitrosomethylamine	3.010	42	5080	4.705	ppm		78
6) Methyl Methansulfonate	3.257	80	5471	5.424	ppm		83
8) N-Nitrosodiethylamine	3.567	102	4115	4.114	ppm		87
9) Ethyl Mathanesulfonate	3.818	79	8289	4.462	ppm		94
10) Benzaldehyde	4.107	106	4555	3.410	ppm		89
11) Aniline	4.193	93	13932	3.759	ppm		70
13) Phenol	4.182	94	11287	3.815	ppm		63
14) bis(2-Clethyl)Ether	4.241	93	7957	4.134	ppm		93
15) Pentachloroethane	4.230	117	3662	3.928	ppm		92
16) 2-Chlorophenol	4.299	128	9572	3.936	ppm		96
17) 1,3-Diclbenzene	4.423	146	10005	3.717	ppm		97
18) 1,4-Dichlorobenzene	4.487	146	10657	3.892	ppm		87
19) 1,2-Diclbenzene	4.620	146	10219	3.871	ppm		96
20) Benzyl Alcohol	4.604	79	6051	3.346	ppm		87
21) 1-Methyl-2-pyrrolidinone	4.626	99	6965	4.641	ppm	#	89
22) 2,2'-oxybis(1-Chloropr...	4.706	45	7443	3.730	ppm	#	57
23) 2-Methylphenol	4.706	108	8631	4.090	ppm		100
24) 3+4-Methylphenol	4.850	108	10708	4.384	ppm	#	74
25) Acetophenone	4.834	105	13222	4.121	ppm		75
26) N-Nitroso-Di-n-propyla...	4.829	70	6277	3.736	ppm		86
27) N-Nitrosopyrrolidine	4.824	100	4707	3.970	ppm	#	71
28) N-Nitrosomorpholine	4.856	56	5606	4.492	ppm		75
29) o-Toluidine	4.866	106	13612	3.937	ppm		79
30) Hexachloroethane	4.920	117	4494	4.097	ppm		96
31) o,o,o-Triethylphosphor...	5.375	198	4762	4.022	ppm		76
32) Alpha-terpinol	5.663	121	3218	3.816	ppm		90
35) Nitrobenzene	4.995	77	12201	5.039	ppm		93
36) N-Nitrosopiperidine	5.134	42	6825	4.963	ppm		72
37) Isophorone	5.209	82	17866	4.361	ppm		98
38) 2-Nitrophenol	5.284	139	5139	4.026	ppm		80

Data Path : I:\ACQUDATA\5973D\Data\050819\
Data File : BR705.D
Acq On : 8 May 2019 1:50 pm
Operator : JMisiurewicz
Sample : MDL 1 - 10 ppm
Misc : 335967 8270D SOIL
ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 09 06:42:07 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Thu May 09 06:41:37 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
40) 2,4-Dimethylphenol	5.332	107	10561	4.548	ppm	#	69
41) bis(-2-Chloroethoxy)Me...	5.412	93	10507	4.303	ppm		98
42) 2,4-Dichlorophenol	5.524	162	7902	4.049	ppm		86
43) a,a-Dimethylphenethyla...	5.482	58	55214m	12.444	ppm		
44) 1,2,4-Trichlorobenzene	5.583	180	9746	4.440	ppm		89
45) Naphthalene	5.658	128	26970	3.936	ppm		96
46) 4-Chloroaniline	5.722	127	14098	5.067	ppm		92
47) 2,6-Dichlorophenol	5.728	162	9089	4.400	ppm		92
48) Hexachlorobutadiene	5.765	225	5115	3.773	ppm	#	55
49) Hexachloropropene	5.738	213	7919	4.457	ppm		90
50) 4-Chloro-3-methylphenol	6.204	107	9603	5.123	ppm		91
51) N-N-di-n-butylamine	6.032	84	10094	6.001	ppm		92
52) Caprolactam	6.038	113	3531	5.468	ppm	#	48
53) p-Phenylenediamine	6.059	80	16142	43.246	ppm	#	73
54) Safrole	6.241	162	8272	4.620	ppm		86
55) 2-Methylnaphthalene	6.321	142	19965	4.267	ppm		95
56) 1-Methylnaphthalene	6.418	142	19683	4.464	ppm		95
58) Hexachlorocyclopentadiene	6.466	237	806	1.956	ppm		54
59) 1,2,4,5-Tetrachloroben...	6.482	216	9455	3.881	ppm		89
60) 1,2,3,4-Tetrachloroben...	6.760	216	12130	4.772	ppm		93
61) 2,4,6-Trichlorophenol	6.610	196	6532m	4.495	ppm		
62) 2,4,5-Trichlorophenol	6.664	196	9543	5.993	ppm		96
64) Isosafrole	6.744	104	4912	5.178	ppm		84
65) 1,1'-Biphenyl	6.776	154	27228	4.395	ppm		92
66) 2-Chloronaphthalene	6.797	162	19179	4.222	ppm		95
67) 2-Nitroaniline	6.910	65	6371	5.271	ppm		80
68) 1,4-Naphthoquinone	6.984	158	4660	3.436	ppm		82
69) m-Dinitrobenzene	7.129	168	3912	4.782	ppm		90
70) Acenaphthylene	7.198	152	33044	4.516	ppm		98
71) Dimethyl phthalate	7.081	163	27629	5.023	ppm		98
72) 2,6-Dinitrotoluene	7.150	165	5737	4.847	ppm		84
73) Acenaphthene	7.370	153	22716	4.442	ppm		97
74) 3-Nitroaniline	7.316	138	5624	4.315	ppm		96
75) 2,4-Dinitrophenol	7.444	184	683	3.917	ppm		64
76) Dibenzofuran	7.541	168	30941	4.635	ppm		84
77) 2,4-Dinitrotoluene	7.546	165	8362	5.002	ppm		94
78) 4-Nitrophenol	7.541	65	3747	4.423	ppm	#	1
79) Pentachlorobenzene	7.498	250	11078	4.711	ppm		89
80) 1-Napthylamine	7.626	143	11028	3.421	ppm		97
81) 2-Napthylamine	7.701	143	14290	3.570	ppm		97
82) 2,3,4,6-Tetrachlorophenol	7.674	232	6889	5.149	ppm		93
83) Fluorene	7.878	166	25544	4.723	ppm		98
84) 4-Chlorophenyl-phenyle...	7.878	204	12469	5.117	ppm		90
85) Diethylphthalate	7.771	149	31763	5.489	ppm		95
86) 4-Nitroaniline	7.921	138	6786	4.901	ppm	#	73
87) 5-Nitro-o-toluidine	7.904	152	6585	4.213	ppm		79
89) Sulfotepp	8.150	322	4840	5.827	ppm		96
90) Octachlorocyclopentene	8.113	307	3414	3.109	ppm		83
92) Thionazin	7.846	107	4403	5.315	ppm		87
93) 4,6-Dinitro-2-methylph...	7.953	198	2859	2.856	ppm		95
94) Diphenylamine	7.995	169	44126	10.758	ppm		97
95) 1,2 Diphenylhydrazine	8.033	77	28495	5.434	ppm		99
96) N-Nitrosodiphenylamine	7.995	169	44126	10.757	ppm		97
97) 1,3,5-Trinirobenzene	8.322	213	2354	4.789	ppm	#	90
98) Diallate	8.274	86	10921	5.745	ppm		81
99) Phorate	8.284	121	4911	5.026	ppm		87

1st DM 05/09/19
2nd BA 05/09/19

Data Path : I:\ACQUDATA\5973D\Data\050819\
Data File : BR705.D
Acq On : 8 May 2019 1:50 pm
Operator : JMisiurewicz
Sample : MDL 1 - 10 ppm
Misc : 335967 8270D SOIL
ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 09 06:42:07 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Thu May 09 06:41:37 2019
Response via : Initial Calibration

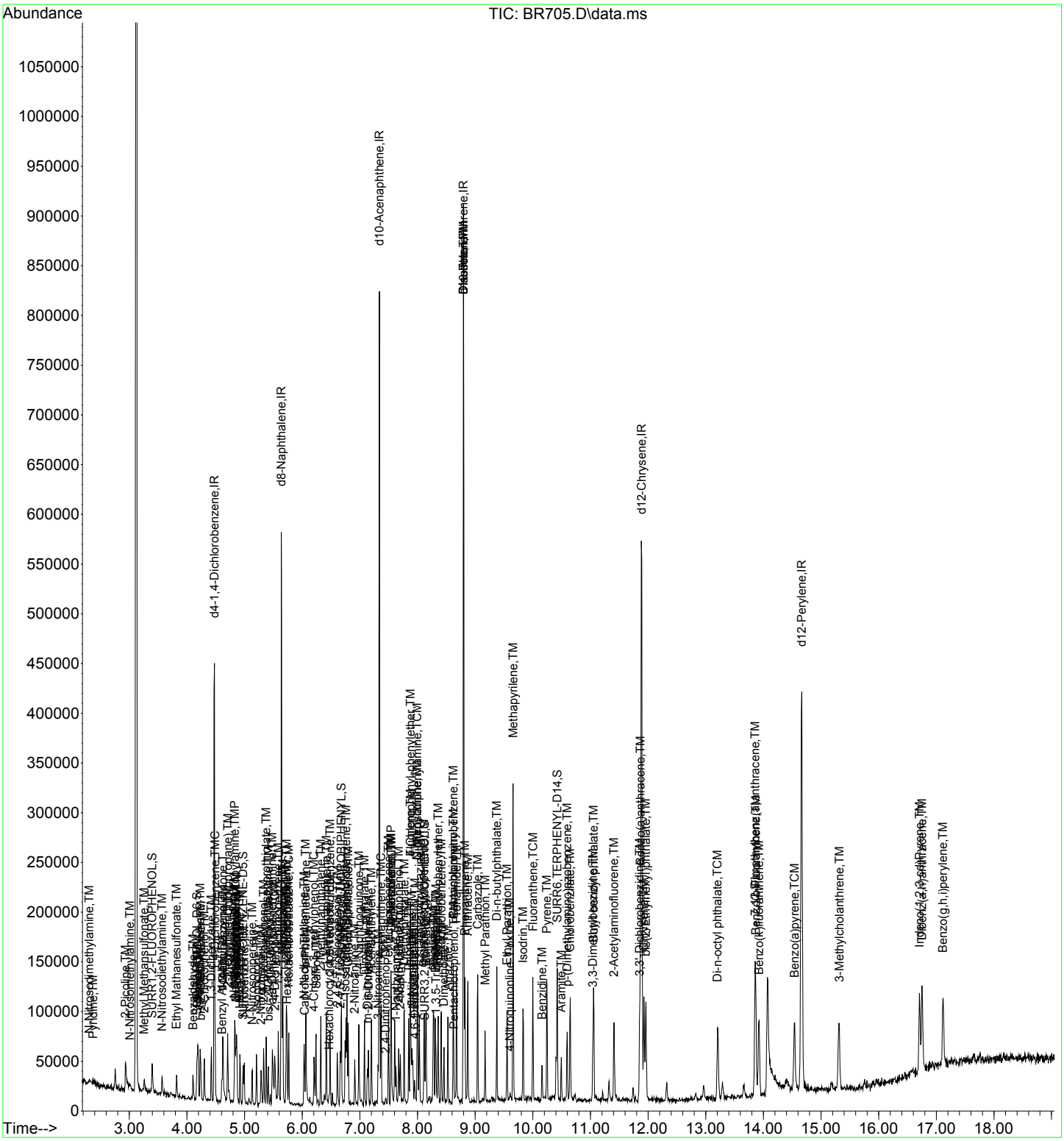
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
100) Phenacetin	8.311	108	15118	5.879	ppm		95
101) 4-Bromophenyl-phenylether	8.359	248	8098	5.311	ppm		95
102) Hexachlorobenzene	8.413	284	11066	5.706	ppm		84
103) Dimethoate	8.455	87	9923	6.232	ppm		98
104) Atrazine	8.530	215	4319	7.931	ppm		96
105) Pentachlorophenol	8.632	266	2207	2.081	ppm		89
106) 4-Aminobiphenyl	8.621	169	16991	4.255	ppm		97
107) Pentachloronitrobenzene	8.621	237	4581	5.551	ppm		94
108) Pronamide	8.675	173	15296	5.710	ppm		97
109) Dinoseb	8.798	211	4912	3.470	ppm		80
110) Disulfoton	8.798	88	13606	5.323	ppm		98
111) Phenanthrene	8.824	178	41203	5.216	ppm		98
112) Anthracene	8.873	178	39627	5.109	ppm		97
113) Carbazole	9.044	167	40907	5.564	ppm		97
114) Di-n-butylphthalate	9.375	149	59134	5.797	ppm		97
115) 4-Nitroquinonline-1-oxide	9.600	190	705	1.291	ppm	#	41
116) Fluoranthene	10.001	202	45815	5.284	ppm		96
118) Methyl Parathion	9.172	109	8619	5.881	ppm		92
119) Ethyl Parathion	9.552	97	7627	6.116	ppm		92
120) Methapyrilene	9.659	58	73685	71.865	ppm		82
121) Isodrin	9.830	193	4625	5.315	ppm		94
122) Benzidine	10.162	184	12853	2.927	ppm		98
123) Pyrene	10.242	202	49111	5.493	ppm		98
125) Aramite	10.493	185	5470m	5.894	ppm		
126) p-(Dimethylamino)azobe...	10.595	120	11622	5.287	ppm		84
127) Chlorobenzilate	10.648	139	19402	6.952	ppm		99
128) Butyl benzyl phthalate	11.055	149	28488	6.351	ppm		96
129) 3,3-Dimethylbenzidine	11.044	212	14931	3.111	ppm		89
130) 2-Acetylaminofluorene	11.408	181	20323	5.763	ppm		85
131) 3,3'-Dichlorobenzidine	11.852	252	18094	5.319	ppm		98
132) Benzo(a)anthracene	11.868	228	51575	6.086	ppm		98
133) Chrysene	11.927	228	46273	5.749	ppm		97
134) bis(2-Ethylhexyl)phtha...	11.964	149	42750	6.602	ppm		92
136) Di-n-octyl phthalate	13.205	149	64280	6.080	ppm		98
137) 7,12-Dimethylbenz(a)an...	13.858	256	23161	5.852	ppm		84
138) Benzo(b)Fluoranthene	13.868	252	50195	5.528	ppm		95
139) Benzo(k)fluoranthene	13.927	252	50100	5.911	ppm		95
140) Benzo(a)pyrene	14.542	252	43764	5.785	ppm		97
141) 3-Methylcholanthrene	15.318	268	25896	5.866	ppm		98
142) Indeno(1,2,3-cd)Pyrene	16.708	276	45263	5.848	ppm		92
143) Dibenz(a,h)anthracene	16.751	278	49910	6.053	ppm		90
144) Benzo(g,h,i)perylene	17.115	276	43015	6.319	ppm		86

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973D\Data\050819\
Data File : BR705.D
Acq On : 8 May 2019 1:50 pm
Operator : JMisiurewicz
Sample : MDL 1 - 10 ppm
Misc : 335967 8270D SOIL
ALS Vial : 15 Sample Multiplier: 1

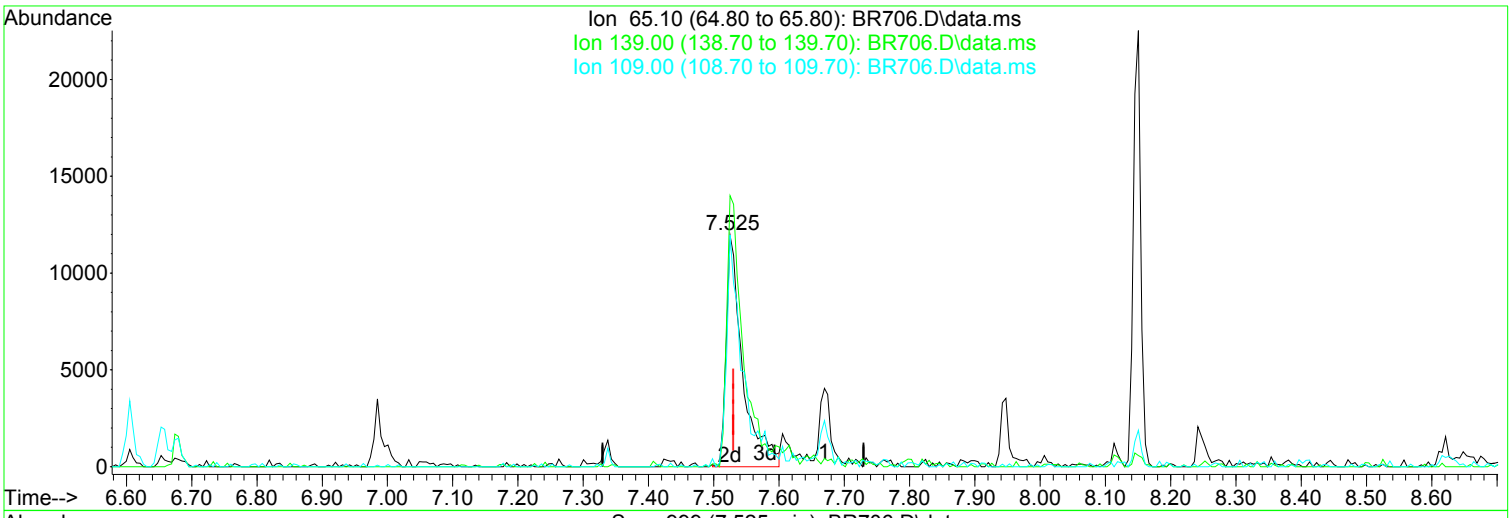
Quant Time: May 09 06:42:07 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Thu May 09 06:41:37 2019
Response via : Initial Calibration

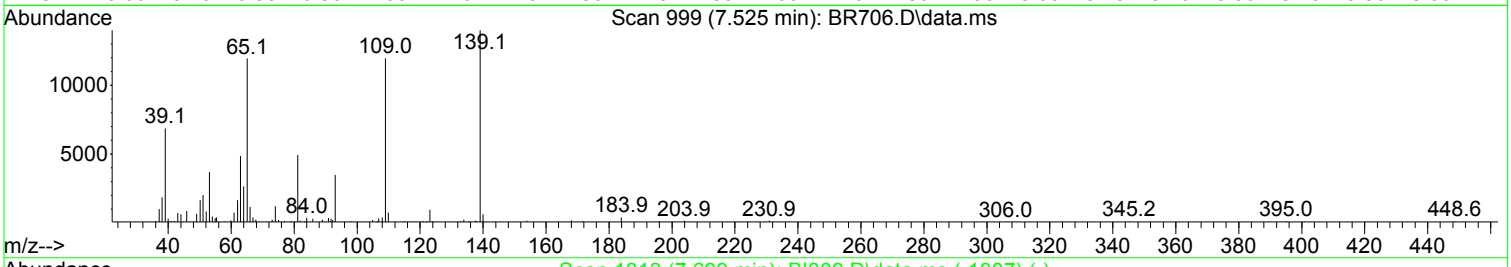


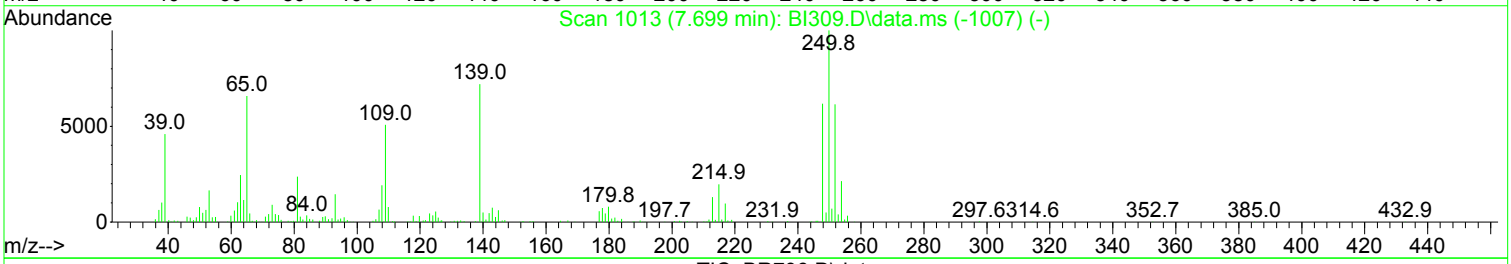
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\050819\
Data File : BR706.D
Acq On : 8 May 2019 2:19 pm
Operator : JMisiurewicz
Sample : MDL 1 - 50 ppm
Misc : 335967 8270D SOIL
ALS Vial : 16 Sample Multiplier: 1

Quant Time: May 09 06:42:12 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Thu May 09 06:41:37 2019
Response via : Initial Calibration







TIC: BR706.D\data.ms

(78) 4-Nitrophenol (TMP)

7.525min (-0.005) 23.83 ppm m

response 20959

Ion	Exp%	Act%
65.10	100.00	100.00
139.00	34.10	117.14#
109.00	83.70	100.08
0.00	0.00	0.00

Manual Integration:

After

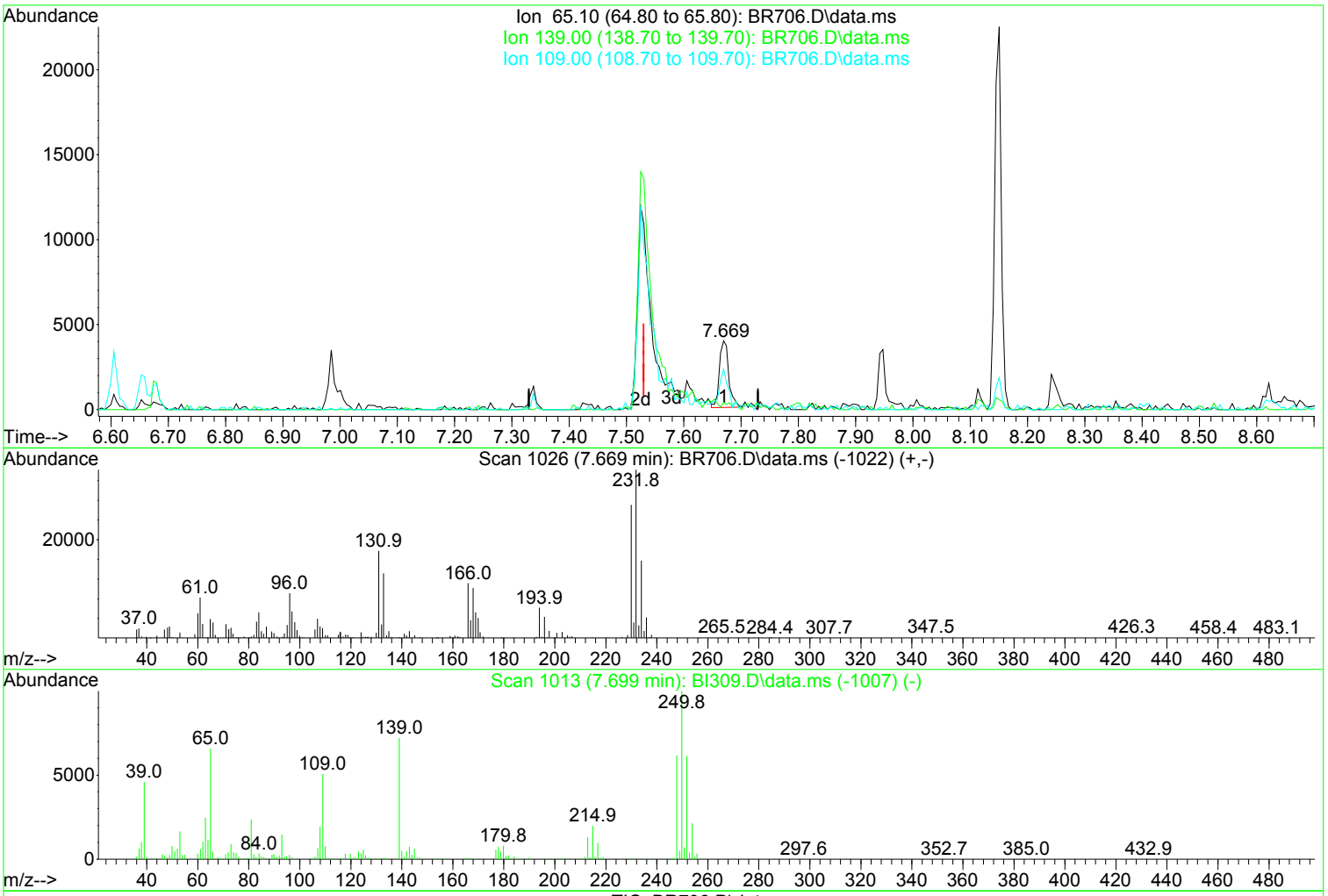
Poor integration.

05/09/19

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\050819\
Data File : BR706.D
Acq On : 8 May 2019 2:19 pm
Operator : JMisiurewicz
Sample : MDL 1 - 50 ppm
Misc : 335967 8270D SOIL
ALS Vial : 16 Sample Multiplier: 1

Quant Time: May 09 06:42:12 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Thu May 09 06:41:37 2019
Response via : Initial Calibration



TIC: BR706.D\data.ms

(78) 4-Nitrophenol (TMP)

7.669min (+ 0.139) 5.12 ppm

response 4506

Ion	Exp%	Act%
65.10	100.00	100.00
139.00	34.10	5.29
109.00	83.70	53.77
0.00	0.00	0.00

Manual Integration:

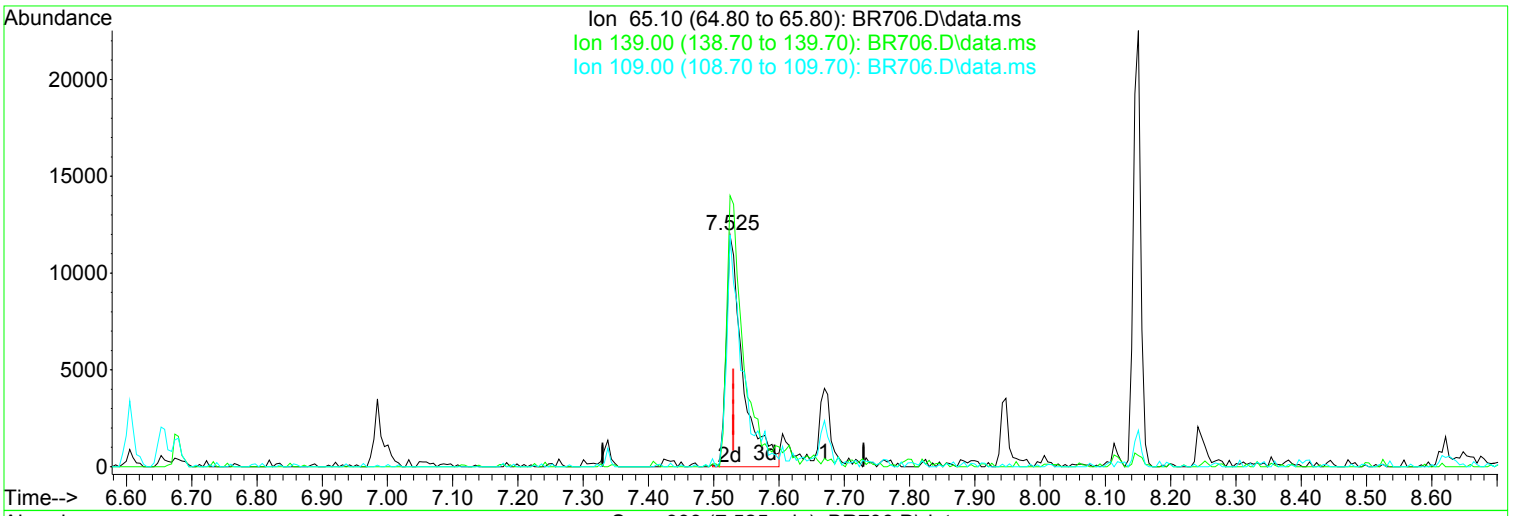
Before

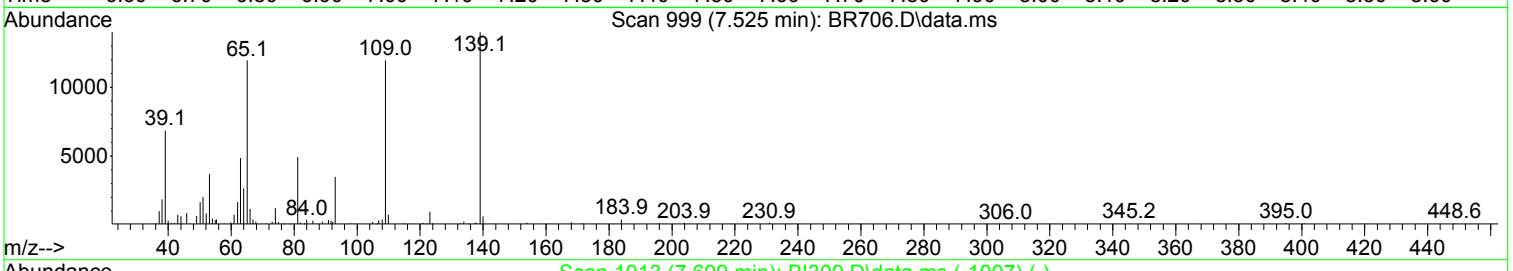
05/09/19

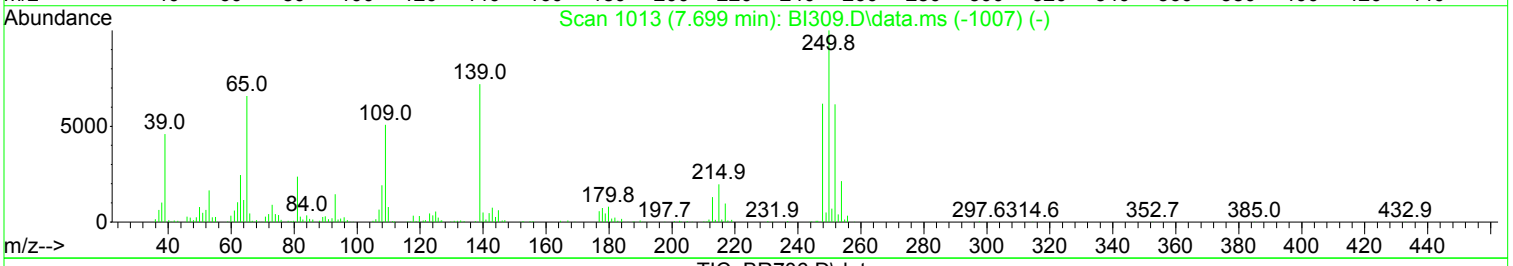
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\050819\
Data File : BR706.D
Acq On : 8 May 2019 2:19 pm
Operator : JMisiurewicz
Sample : MDL 1 - 50 ppm
Misc : 335967 8270D SOIL
ALS Vial : 16 Sample Multiplier: 1

Quant Time: May 09 06:42:12 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Thu May 09 06:41:37 2019
Response via : Initial Calibration







TIC: BR706.D\data.ms

(78) 4-Nitrophenol (TMP)

7.525min (-0.005) 23.83 ppm m

response 20959

Ion	Exp%	Act%
65.10	100.00	100.00
139.00	34.10	117.14#
109.00	83.70	100.08
0.00	0.00	0.00

Manual Integration:

After

Peak not found.

05/09/19

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973D\Data\050819\
Data File : BR706.D
Acq On : 8 May 2019 2:19 pm
Operator : JMisiurewicz
Sample : MDL 1 - 50 ppm
Misc : 335967 8270D SOIL
ALS Vial : 16 Sample Multiplier: 1

Quant Time: May 09 06:42:12 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Thu May 09 06:41:37 2019
Response via : Initial Calibration

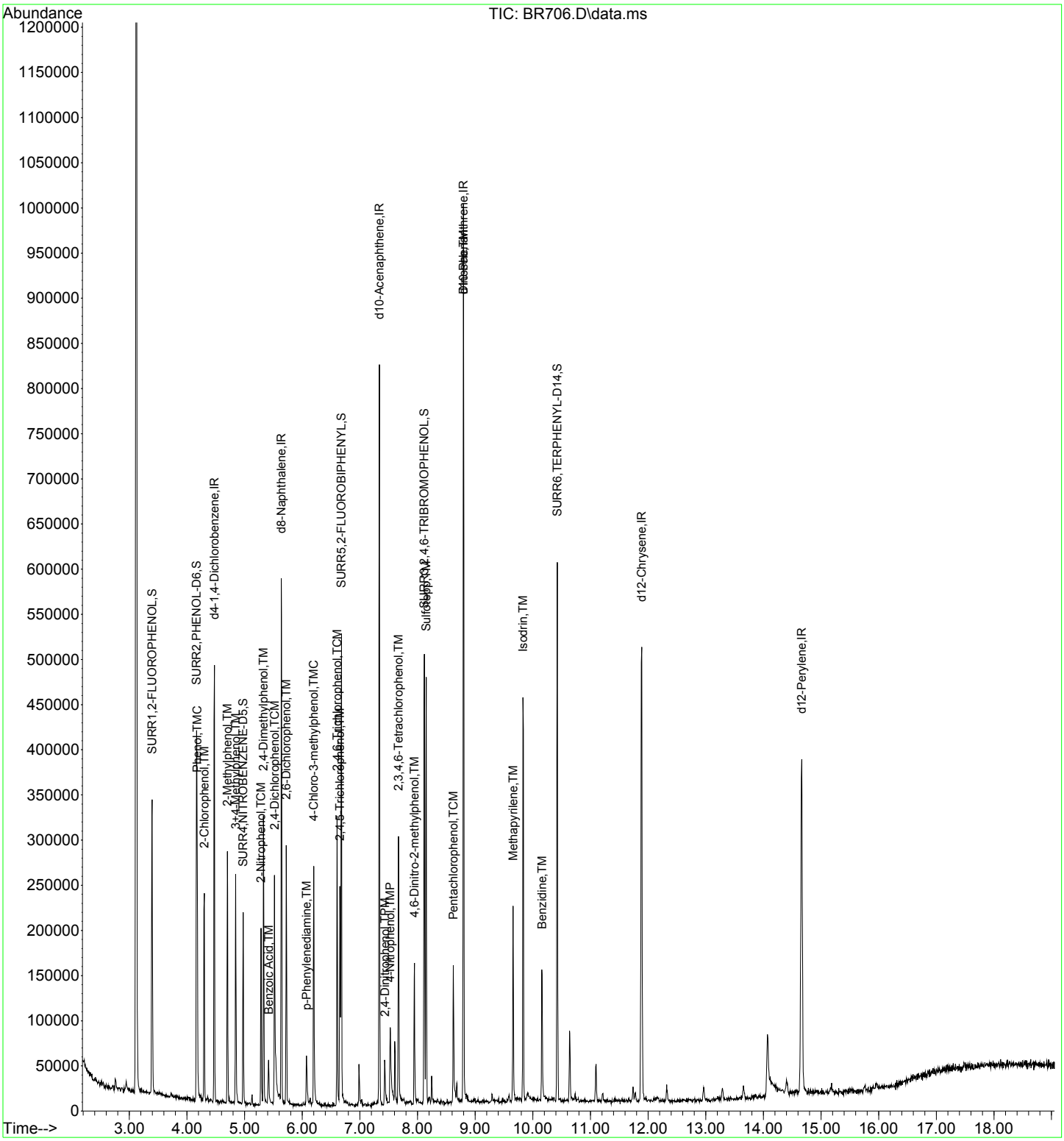
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) d4-1,4-Dichlorobenzene	4.476	152	65598	40.00	ppm		0.00
33) d8-Naphthalene	5.637	136	234566	40.00	ppm		0.00
57) d10-Acenaphthene	7.338	164	142914	40.00	ppm		0.00
91) d10-Phenanthrene	8.798	188	248003	40.00	ppm		0.00
117) d12-Chrysene	11.889	240	240763	40.00	ppm		-0.01
135) d12-Perylene	14.665	264	244746	40.00	ppm		0.00
System Monitoring Compounds							
7) SURR1,2-FLUOROPHENOL	3.396	112	91344	39.58	ppm		0.00
Spiked Amount 200.000	Range 10 - 88		Recovery = 19.79%				
12) SURR2,PHENOL-D6	4.166	99	115745	40.42	ppm		0.00
Spiked Amount 200.000	Range 10 - 145		Recovery = 20.21%				
34) SURR4,NITROBENZENE-D5	4.974	82	56941	23.56	ppm		0.00
Spiked Amount 100.000	Range 10 - 95		Recovery = 23.56%				
63) SURR5,2-FLUOROBIPHENYL	6.680	172	125494	22.40	ppm		0.00
Spiked Amount 100.000	Range 10 - 102		Recovery = 22.40%				
88) SURR3,2,4,6-TRIBROMOPH...	8.119	330	57475	55.50	ppm		0.00
Spiked Amount 200.000	Range 10 - 109		Recovery = 27.75%				
124) SURR6,TERPHENYL-D14	10.424	244	163730	27.16	ppm		0.00
Spiked Amount 100.000	Range 10 - 106		Recovery = 27.16%				
Target Compounds							Qvalue
13) Phenol	4.177	94	62341	20.383	ppm		85
16) 2-Chlorophenol	4.300	128	56104	22.318	ppm		98
23) 2-Methylphenol	4.701	108	46357	21.250	ppm		98
24) 3+4-Methylphenol	4.845	108	51524	20.404	ppm	#	76
38) 2-Nitrophenol	5.284	139	29810	22.984	ppm		84
39) Benzoic Acid	5.417	105	14623	10.252	ppm		93
40) 2,4-Dimethylphenol	5.327	107	59713	25.309	ppm		96
42) 2,4-Dichlorophenol	5.519	162	49932	25.180	ppm		95
47) 2,6-Dichlorophenol	5.722	162	50718	24.162	ppm		91
50) 4-Chloro-3-methylphenol	6.198	107	50156	26.337	ppm		92
53) p-Phenylenediamine	6.075	80	12114	31.942	ppm		75
61) 2,4,6-Trichlorophenol	6.605	196	37317	24.742	ppm		98
62) 2,4,5-Trichlorophenol	6.653	196	40075	24.246	ppm		95
75) 2,4-Dinitrophenol	7.434	184	9087	16.938	ppm		73
78) 4-Nitrophenol	7.525	65	20959m	23.835	ppm		
82) 2,3,4,6-Tetrachlorophenol	7.669	232	33993	24.480	ppm		94
89) Sulfotepp	8.151	322	24656	28.601	ppm		91
93) 4,6-Dinitro-2-methylph...	7.947	198	21464	21.066	ppm		96
105) Pentachlorophenol	8.621	266	20734	19.213	ppm		93
109) Dinoseb	8.798	211	30543	21.200	ppm		94
120) Methapyrilene	9.659	58	45885	47.336	ppm		94
121) Isodrin	9.830	193	25897	31.481	ppm		92
122) Benzidine	10.162	184	66887	16.112	ppm		94

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

1st DM 05/09/19
2nd BA 05/09/19

Data Path : I:\ACQUDATA\5973D\Data\050819\
Data File : BR706.D
Acq On : 8 May 2019 2:19 pm
Operator : JMisiurewicz
Sample : MDL 1 - 50 ppm
Misc : 335967 8270D SOIL
ALS Vial : 16 Sample Multiplier: 1

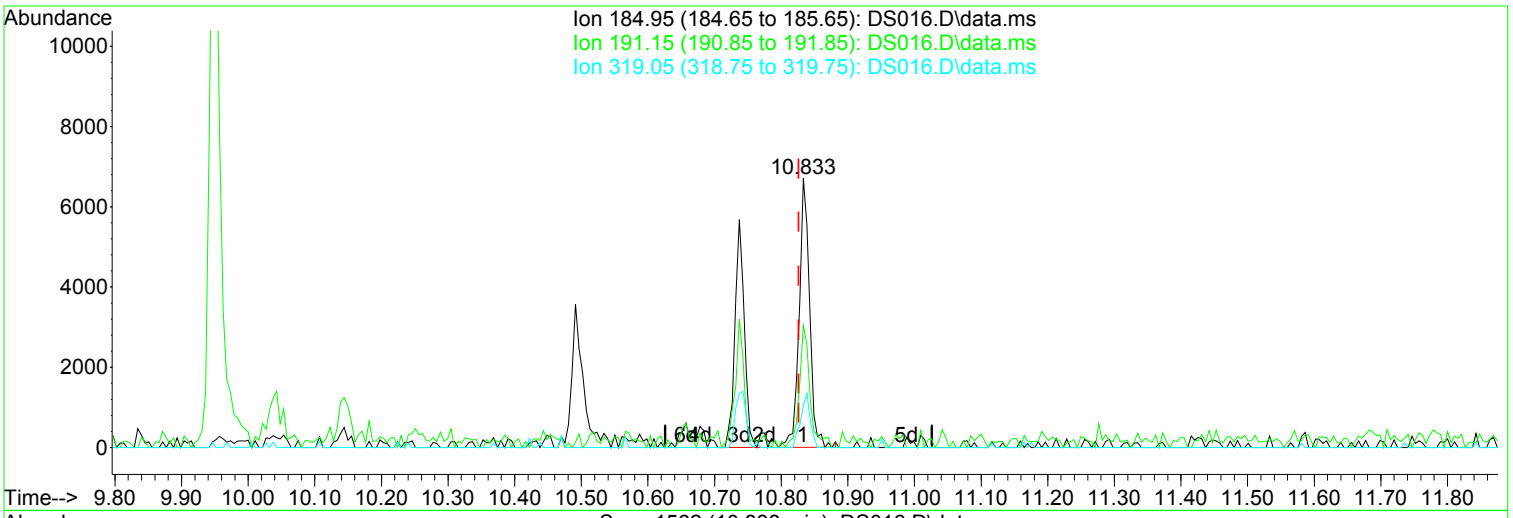
Quant Time: May 09 06:42:12 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Thu May 09 06:41:37 2019
Response via : Initial Calibration

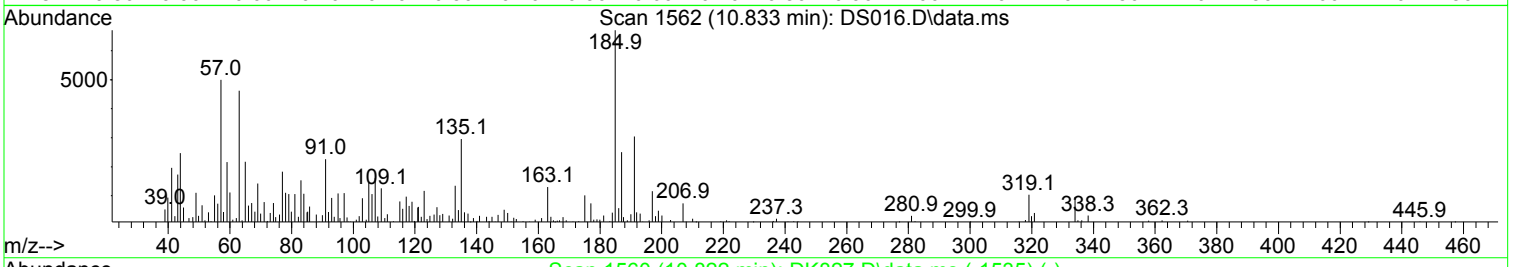


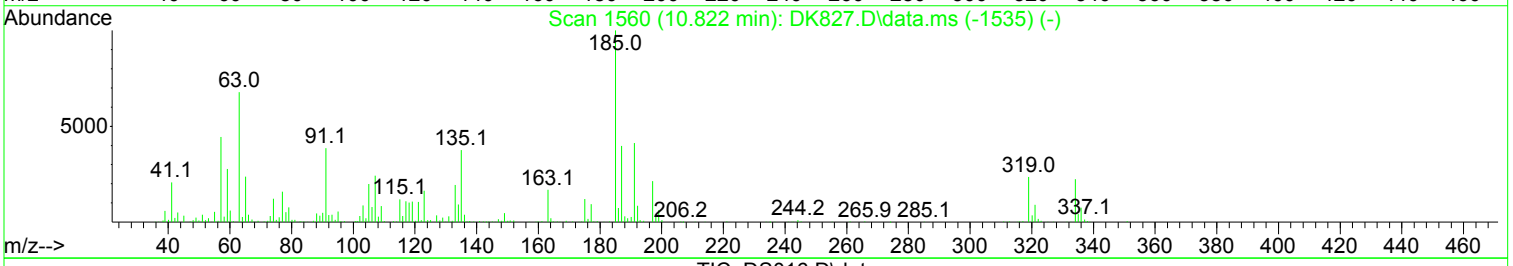
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\051319\
Data File : DS016.D
Acq On : 13 May 2019 3:51 pm
Operator : JMisiurewicz
Sample : MDL 10 ppm
Misc : 335967 8270D SOIL
ALS Vial : 17 Sample Multiplier: 1

Quant Time: May 14 06:31:34 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration







TIC: DS016.D\data.ms

(125) Aramite (TM)

10.833min (+ 0.007) 6.54 ppm m

response 13332

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	41.10	45.38
319.05	14.30	15.54
0.00	0.00	0.00

Manual Integration:

After

Split Peak.

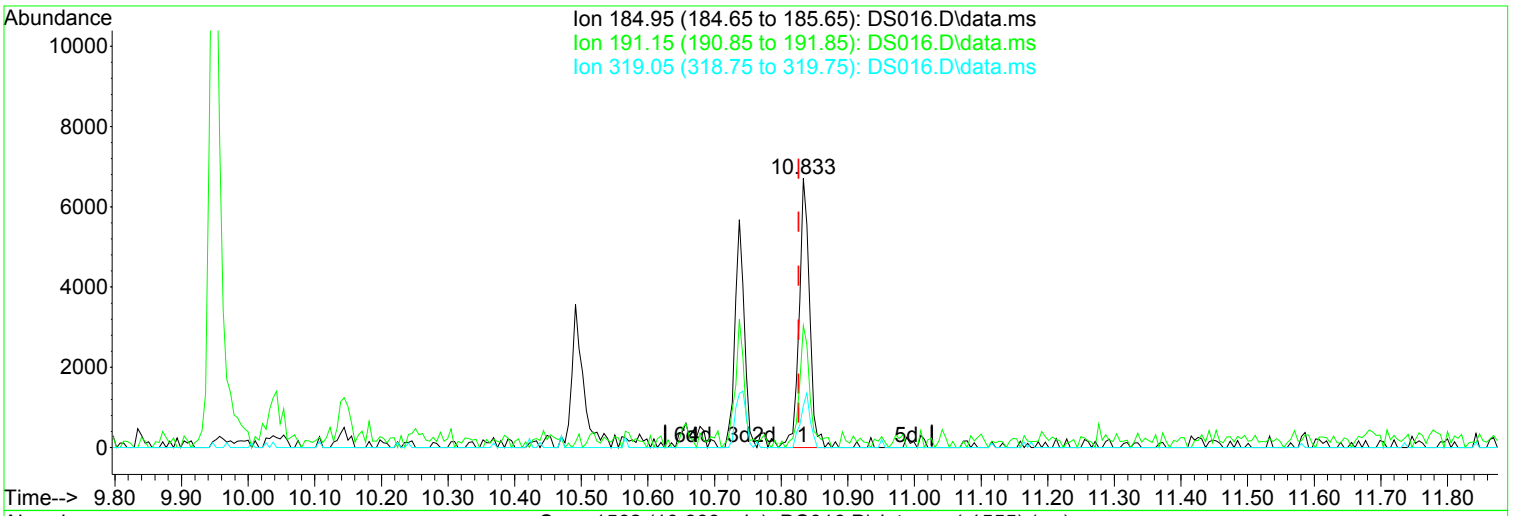
05/14/19

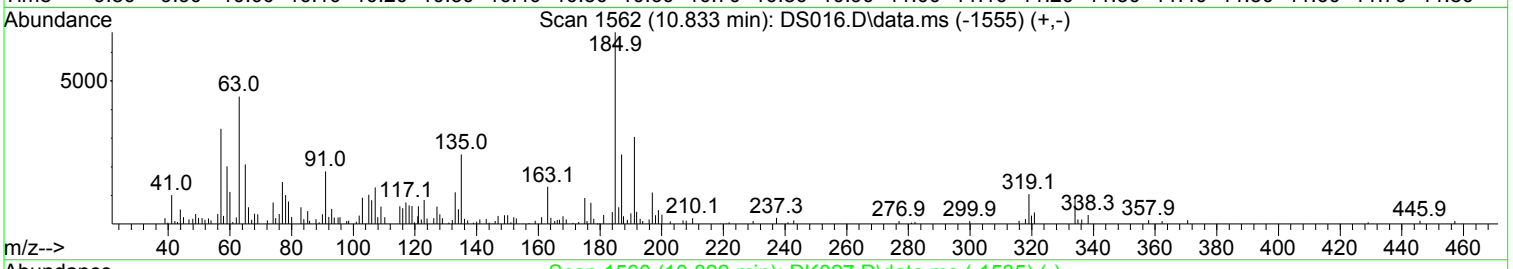
1st DM 05/14/19
2nd BA 05/14/19

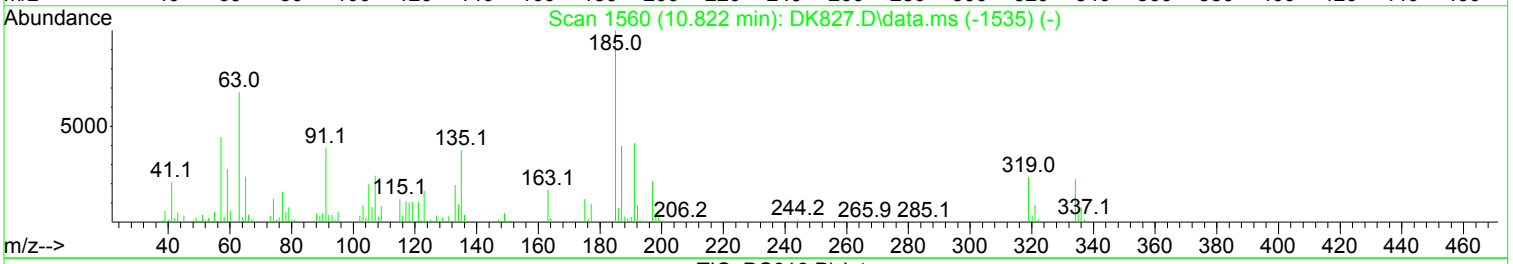
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\051319\
Data File : DS016.D
Acq On : 13 May 2019 3:51 pm
Operator : JMisiurewicz
Sample : MDL 10 ppm
Misc : 335967 8270D SOIL
ALS Vial : 17 Sample Multiplier: 1

Quant Time: May 14 06:31:34 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration







TIC: DS016.D\data.ms

(125) Aramite (TM)

10.833min (+ 0.007) 3.62 ppm

response 7383

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	41.10	51.75
319.05	14.30	15.54
0.00	0.00	0.00

Manual Integration:

Before

05/14/19

1st DM 05/14/19
2nd BA 05/14/19

Data Path : I:\ACQUDATA\5973A\DATA\051319\
Data File : DS016.D
Acq On : 13 May 2019 3:51 pm
Operator : JMisiurewicz
Sample : MDL 10 ppm
Misc : 335967 8270D SOIL
ALS Vial : 17 Sample Multiplier: 1

Quant Time: May 14 06:31:34 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) d4-1,4-Dichlorobenzene	4.734	152	147664	40.00	ppm		0.00
33) d8-Naphthalene	5.903	136	559179	40.00	ppm		0.00
57) d10-Acenaphthene	7.612	164	289413	40.00	ppm		0.00
91) d10-Phenanthrene	9.087	188	451747	40.00	ppm		0.00
117) d12-Chrysene	12.361	240	405035	40.00	ppm		0.00
135) d12-Perylene	15.309	264	393919	40.00	ppm		0.02
System Monitoring Compounds							
7) SURR1,2-FLUOROPHENOL	3.665	112	23170	4.31	ppm		0.00
Spiked Amount 100.000	Range 10 - 88		Recovery = 4.31%#				
12) SURR2,PHENOL-D6	4.424	99	29263	4.43	ppm		0.00
Spiked Amount 100.000	Range 10 - 145		Recovery = 4.43%#				
34) SURR4,NITROBENZENE-D5	5.236	82	24445	4.31	ppm		0.00
Spiked Amount 50.000	Range 10 - 95		Recovery = 8.62%#				
63) SURR5,2-FLUOROBIPHENYL	6.945	172	50751	4.61	ppm		0.00
Spiked Amount 50.000	Range 10 - 102		Recovery = 9.22%#				
88) SURR3,2,4,6-TRIBROMOPH...	8.398	330	7047	5.95	ppm		0.00
Spiked Amount 100.000	Range 10 - 109		Recovery = 5.95%#				
124) SURR6,TERPHENYL-D14	10.769	244	60025	6.29	ppm		0.00
Spiked Amount 50.000	Range 10 - 106		Recovery = 12.58%				
Target Compounds							Qvalue
2) Pyridine	2.672	79	13903	2.410	ppm		92
3) N-Nitrosodimethylamine	2.613	74	11557	3.353	ppm		79
4) 2-Picoline	3.217	93	18321	3.124	ppm		91
5) N-Nitrosomethylamine	3.292	42	9267	3.906	ppm		70
6) Methyl Methansulfonate	3.527	80	10455	3.913	ppm		94
8) N-Nitrosodiethylamine	3.831	102	11297	4.314	ppm		84
9) Ethyl Mathanesulfonate	4.077	79	19141	4.240	ppm		95
10) Benzaldehyde	4.370	106	11005	2.913	ppm		93
11) Aniline	4.456	93	35039	4.161	ppm		96
13) Phenol	4.440	94	31590	4.377	ppm		91
14) bis(2-Clethyl)Ether	4.493	93	21678	4.341	ppm		95
15) Pentachloroethane	4.493	117	8064	4.011	ppm		99
16) 2-Chlorophenol	4.563	128	26611	4.694	ppm		93
17) 1,3-Diclbenzene	4.686	146	23256	3.942	ppm		96
18) 1,4-Dichlorobenzene	4.750	146	25646	4.248	ppm		96
19) 1,2-Diclbenzene	4.883	146	25090	4.350	ppm		94
20) Benzyl Alcohol	4.862	79	13338	3.474	ppm		82
21) 1-Methyl-2-pyrrolidinone	4.883	99	17940	5.113	ppm		92
22) 2,2'-oxybis(1-Chloropr...	4.958	45	19511	4.067	ppm	#	61
23) 2-Methylphenol	4.958	108	22963	4.515	ppm		93
24) 3+4-Methylphenol	5.102	108	28462	4.945	ppm		95
25) Acetophenone	5.091	105	31195	4.364	ppm		96
26) N-Nitroso-Di-n-propyla...	5.081	70	18400	4.773	ppm		91
27) N-Nitrosopyrrolidine	5.081	100	12162	4.338	ppm		94
28) N-Nitrosomorpholine	5.113	56	11913	4.317	ppm		97
29) o-Toluidine	5.124	106	32382	4.079	ppm		83
30) Hexachloroethane	5.182	117	8613	3.706	ppm	#	75
31) o,o,o-Triethylphosphor...	5.626	198	10867	4.490	ppm		88
32) Alpha-terpinol	5.925	121	9575	5.076	ppm		76
35) Nitrobenzene	5.252	77	23433	4.112	ppm		83
36) N-Nitrosopiperidine	5.391	42	14468	4.670	ppm		95
37) Isophorone	5.465	82	43232	4.551	ppm		92
38) 2-Nitrophenol	5.551	139	13082	4.437	ppm		99

1st DM 05/14/19
2nd BA 05/14/19

Data Path : I:\ACQUDATA\5973A\DATA\051319\
Data File : DS016.D
Acq On : 13 May 2019 3:51 pm
Operator : JMisiurewicz
Sample : MDL 10 ppm
Misc : 335967 8270D SOIL
ALS Vial : 17 Sample Multiplier: 1

Quant Time: May 14 06:31:34 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) 2,4-Dimethylphenol	5.588	107	26101	4.915	ppm		99
40) bis(-2-Chloroethoxy)Me...	5.663	93	25943	4.645	ppm		95
42) 2,4-Dichlorophenol	5.791	162	18377	4.369	ppm		91
43) a,a-Dimethylphenethyla...	5.797	58	139872	13.191	ppm		93
44) 1,2,4-Trichlorobenzene	5.845	180	18900	4.262	ppm		98
45) Naphthalene	5.925	128	69001	4.477	ppm		98
46) 4-Chloroaniline	5.983	127	29174	4.524	ppm		95
47) 2,6-Dichlorophenol	5.989	162	18891	4.295	ppm		96
48) Hexachlorobutadiene	6.026	225	9292	4.135	ppm		87
49) Hexachloropropene	5.999	213	9844	3.506	ppm		100
50) 4-Chloro-3-methylphenol	6.464	107	22473	5.350	ppm		94
51) N-N-di-n-butylamine	6.283	84	16267	4.883	ppm		93
52) Caprolactam	6.304	113	10369	6.220	ppm		85
53) p-Phenylenediamine	6.331	80	24396	22.690	ppm		99
54) Safrole	6.496	162	18869	4.770	ppm		97
55) 2-Methylnaphthalene	6.592	142	44681	4.480	ppm		97
56) 1-Methylnaphthalene	6.688	142	44023	4.718	ppm		97
58) Hexachlorocyclopentadiene	6.731	237	1725	2.457	ppm		94
59) 1,2,4,5-Tetrachloroben...	6.753	216	19642	4.611	ppm		96
60) 1,2,3,4-Tetrachloroben...	7.030	216	20219	4.508	ppm		89
61) 2,4,6-Trichlorophenol	6.875	196	12415	4.602	ppm		95
62) 2,4,5-Trichlorophenol	6.934	196	15912	5.484	ppm		96
64) Isosafrole	7.009	104	8722	4.686	ppm		94
65) 1,1'-Biphenyl	7.046	154	59454	4.637	ppm		96
66) 2-Chloronaphthalene	7.068	162	41826	4.514	ppm		98
67) 2-Nitroaniline	7.180	65	13426	5.069	ppm		98
68) 1,4-Naphthoquinone	7.255	158	8076	2.776	ppm		81
69) m-Dinitrobenzene	7.399	168	9752	5.356	ppm		80
70) Acenaphthylene	7.479	152	73186	4.931	ppm		99
71) Dimethyl phthalate	7.340	163	60607	5.594	ppm		97
72) 2,6-Dinitrotoluene	7.415	165	13015	5.291	ppm		98
73) Acenaphthene	7.645	153	50491	4.890	ppm		100
74) 3-Nitroaniline	7.591	138	13868	4.905	ppm		81
75) 2,4-Dinitrophenol	7.719	184	1927	5.708	ppm		85
76) Dibenzofuran	7.815	168	62836	4.928	ppm		97
77) 2,4-Dinitrotoluene	7.815	165	17646	5.432	ppm		99
78) 4-Nitrophenol	7.815	65	6072	3.273	ppm	#	1
79) Pentachlorobenzene	7.773	250	17239	5.050	ppm		94
80) 1-Napthylamine	7.901	143	18592	2.769	ppm		100
81) 2-Napthylamine	7.981	143	24998	2.924	ppm		96
82) 2,3,4,6-Tetrachlorophenol	7.949	232	10341	5.312	ppm		93
83) Fluorene	8.157	166	54541	5.203	ppm		90
84) 4-Chlorophenyl-phenyle...	8.152	204	22698	5.367	ppm		89
85) Diethylphthalate	8.034	149	65639	6.118	ppm		98
86) 4-Nitroaniline	8.200	138	14738	5.284	ppm		96
87) 5-Nitro-o-toluidine	8.179	152	15857	5.008	ppm		98
89) Sulfotepp	8.414	322	7954	5.940	ppm		94
90) Octachlorocyclopentene	8.398	307	3225	2.366	ppm		89
92) Thionazin	8.115	107	10886	6.142	ppm		93
93) 4,6-Dinitro-2-methylph...	8.221	198	5020	2.883	ppm		86
94) Diphenylamine	8.269	169	91003	11.400	ppm		98
95) 1,2 Diphenylhydrazine	8.307	77	55130	5.473	ppm		96
96) N-Nitrosodiphenylamine	8.269	169	91003	11.400	ppm		98
97) 1,3,5-Trinirobenzene	8.590	74	5562	3.860	ppm		86
98) Diallate	8.542	86	23468	5.650	ppm		87
99) Phorate	8.558	121	10949	5.240	ppm		90

1st DM 05/14/19
2nd BA 05/14/19

Data Path : I:\ACQUDATA\5973A\DATA\051319\
Data File : DS016.D
Acq On : 13 May 2019 3:51 pm
Operator : JMisiurewicz
Sample : MDL 10 ppm
Misc : 335967 8270D SOIL
ALS Vial : 17 Sample Multiplier: 1

Quant Time: May 14 06:31:34 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration

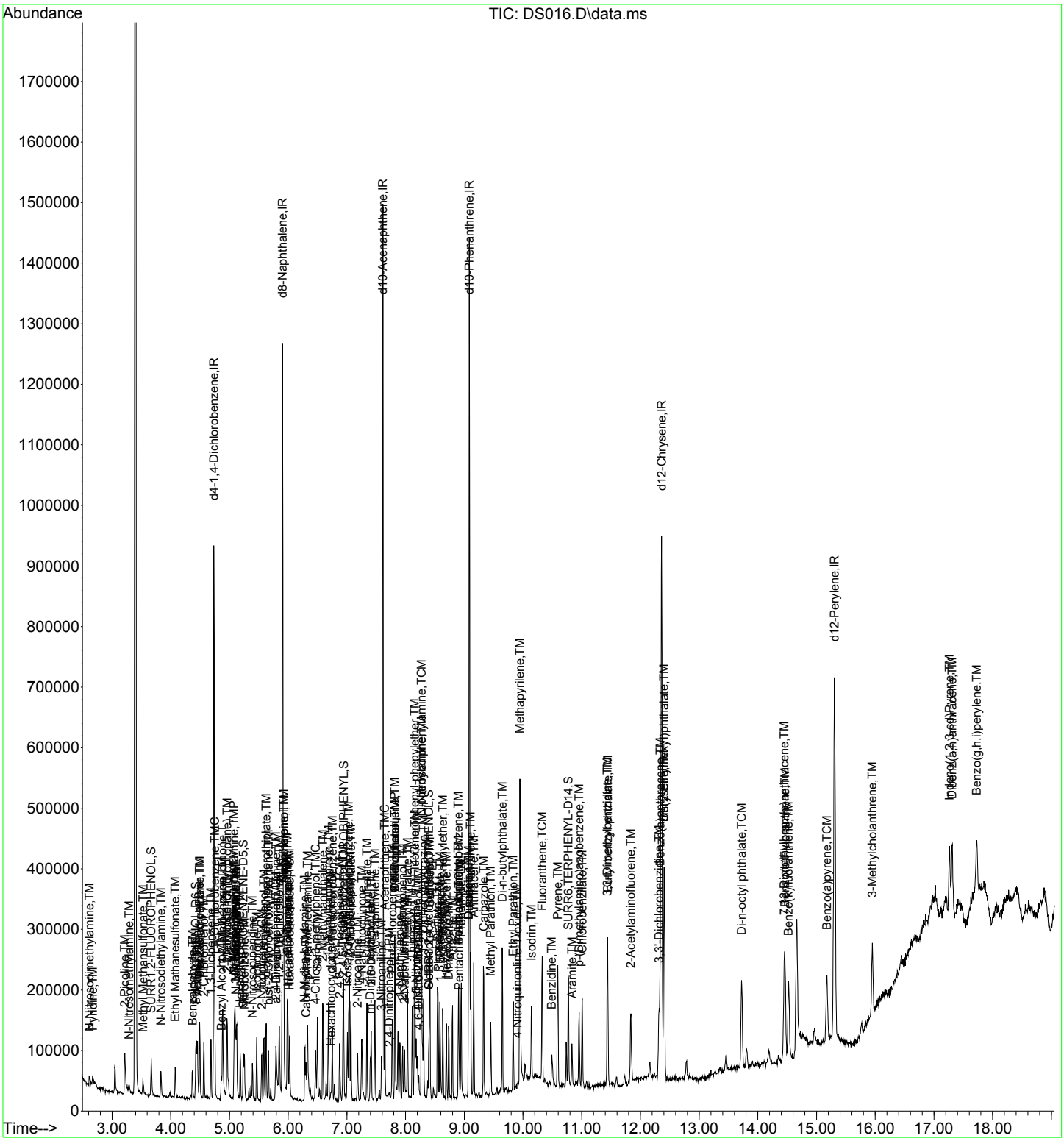
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
100) Phenacetin	8.585	108	32934	6.258	ppm	94
101) 4-Bromophenyl-phenylether	8.633	248	13025	5.514	ppm	93
102) Hexachlorobenzene	8.697	284	15174	5.712	ppm	87
103) Dimethoate	8.734	87	23787	6.891	ppm	92
104) Atrazine	8.798	215	7355	5.694	ppm	90
105) Pentachlorophenol	8.910	266	3625	7.401	ppm	81
106) 4-Aminobiphenyl	8.900	169	34319	4.231	ppm	98
107) Pentachloronitrobenzene	8.900	237	5792	5.902	ppm	96
108) Pronamide	8.948	173	25379	5.495	ppm	87
109) Dinoseb	9.071	211	7524	3.283	ppm	94
110) Disulfoton	9.071	88	30290	6.113	ppm	98
111) Phenanthrene	9.108	178	81592	5.711	ppm	100
112) Anthracene	9.161	178	79567	5.605	ppm	98
113) Carbazole	9.332	167	80782	5.793	ppm	99
114) Di-n-butylphthalate	9.647	149	111519	6.188	ppm	97
115) 4-Nitroquinonline-1-oxide	9.904	190	617	0.730	ppm	95
116) Fluoranthene	10.326	202	84561	5.782	ppm	96
118) Methyl Parathion	9.450	109	20107	6.262	ppm	90
119) Ethyl Parathion	9.834	97	14604	6.087	ppm	94
120) Methapyrilene	9.947	58	155758	44.628	ppm	95
121) Isodrin	10.144	193	8135	5.493	ppm	94
122) Benzidine	10.491	184	26025	2.738	ppm	90
123) Pyrene	10.593	202	90434	6.080	ppm	99
125) Aramite	10.833	185	13332m	6.539	ppm	
126) p-(Dimethylamino)azobe...	10.956	120	24497	5.544	ppm	95
127) Chlorobenzilate	11.009	139	31890	6.178	ppm	94
128) Butyl benzyl phthalate	11.442	149	53312	6.461	ppm	99
129) 3,3-Dimethylbenzidine	11.437	212	37496	4.145	ppm	98
130) 2-Acetylaminofluorene	11.837	181	41902	6.359	ppm	98
131) 3,3'-Dichlorobenzidine	12.318	252	33455	6.210	ppm	93
132) Benzo(a)anthracene	12.339	228	87115	6.334	ppm	97
133) Chrysene	12.403	228	81087	6.409	ppm	97
134) bis(2-Ethylhexyl)phtha...	12.403	149	80025	7.048	ppm	95
136) Di-n-octyl phthalate	13.723	149	132314	7.078	ppm	95
137) 7,12-Dimethylbenz(a)an...	14.449	256	38273	6.427	ppm	92
138) Benzo(b)Fluoranthene	14.460	252	86893	6.629	ppm	95
139) Benzo(k)fluoranthene	14.524	252	83006	6.686	ppm	98
140) Benzo(a)pyrene	15.175	252	73648	6.533	ppm	99
141) 3-Methylcholanthrene	15.950	268	44157	6.688	ppm	95
142) Indeno(1,2,3-cd)Pyrene	17.264	276	73174	6.619	ppm	92
143) Dibenz(a,h)anthracene	17.312	278	80556	6.954	ppm	93
144) Benzo(g,h,i)perylene	17.728	276	64539	6.773	ppm	96

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

1st DM 05/14/19
2nd BA 05/14/19

Data Path : I:\ACQUDATA\5973A\DATA\051319\
Data File : DS016.D
Acq On : 13 May 2019 3:51 pm
Operator : JMisiurewicz
Sample : MDL 10 ppm
Misc : 335967 8270D SOIL
ALS Vial : 17 Sample Multiplier: 1

Quant Time: May 14 06:31:34 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973A\DATA\051319\
Data File : DS017.D
Acq On : 13 May 2019 4:20 pm
Operator : JMisiurewicz
Sample : MDL 50 ppm
Misc : 335967 8270D SOIL
ALS Vial : 18 Sample Multiplier: 1

Quant Time: May 14 06:31:40 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration

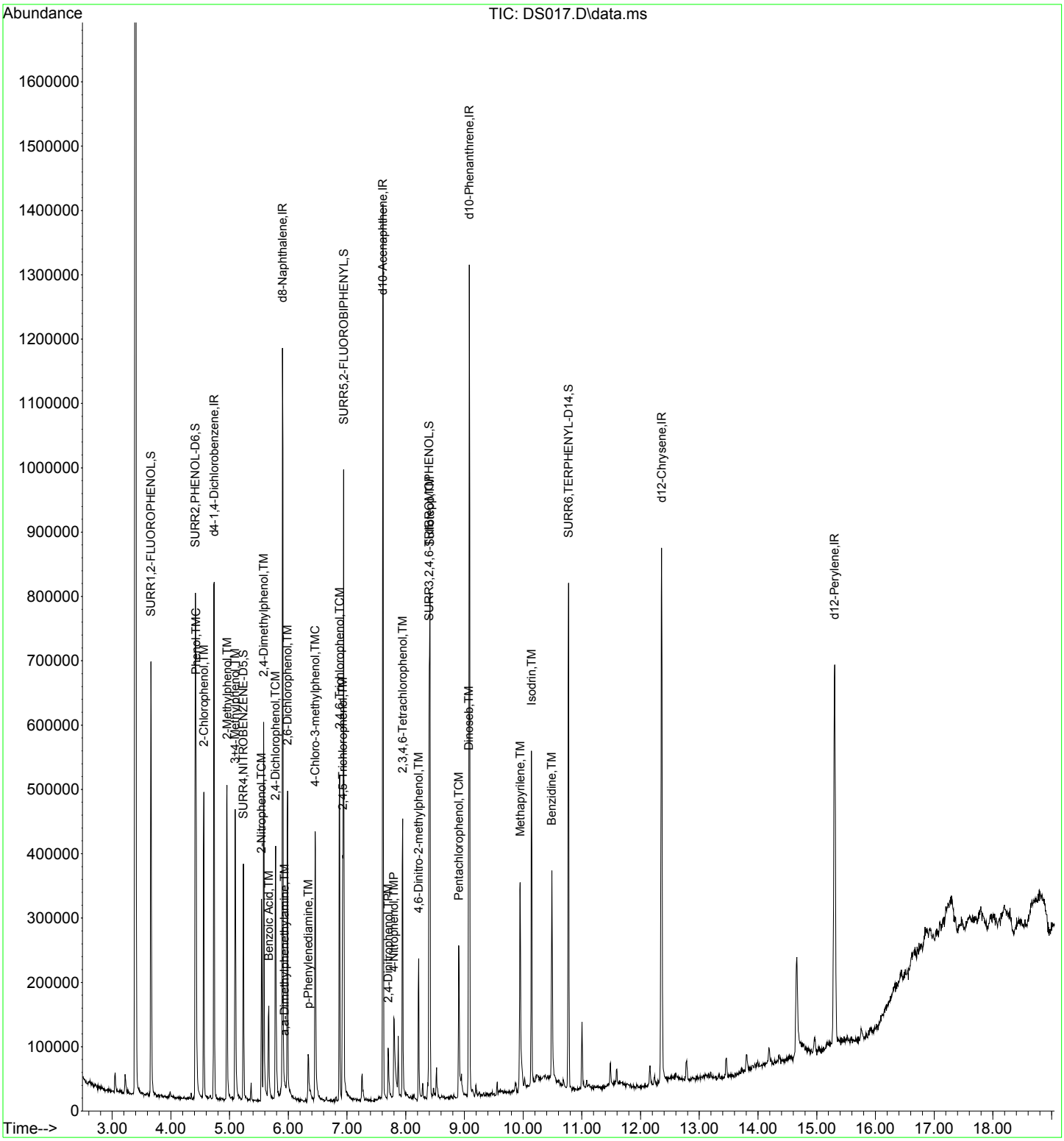
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) d4-1,4-Dichlorobenzene	4.736	152	139293	40.00	ppm		0.00
33) d8-Naphthalene	5.901	136	536786	40.00	ppm		0.00
57) d10-Acenaphthene	7.610	164	276610	40.00	ppm		0.00
91) d10-Phenanthrene	9.084	188	421649	40.00	ppm		0.00
117) d12-Chrysene	12.358	240	381409	40.00	ppm		0.00
135) d12-Perylene	15.306	264	376039	40.00	ppm		0.01
System Monitoring Compounds							
7) SURR1,2-FLUOROPHENOL	3.657	112	235997	46.58	ppm		0.00
Spiked Amount 100.000	Range 10 - 88		Recovery = 46.58%				
12) SURR2,PHENOL-D6	4.416	99	282520	45.39	ppm		-0.01
Spiked Amount 100.000	Range 10 - 145		Recovery = 45.39%				
34) SURR4,NITROBENZENE-D5	5.233	82	117021	21.48	ppm		0.00
Spiked Amount 50.000	Range 10 - 95		Recovery = 42.96%				
63) SURR5,2-FLUOROBIPHENYL	6.942	172	242767	23.08	ppm		0.00
Spiked Amount 50.000	Range 10 - 102		Recovery = 46.16%				
88) SURR3,2,4,6-TRIBROMOPH...	8.400	330	69643	61.48	ppm		0.00
Spiked Amount 100.000	Range 10 - 109		Recovery = 61.48%				
124) SURR6,TERPHENYL-D14	10.772	244	243038	27.05	ppm		0.00
Spiked Amount 50.000	Range 10 - 106		Recovery = 54.10%				
Target Compounds							Qvalue
13) Phenol	4.426	94	154512	22.697	ppm		97
16) 2-Chlorophenol	4.560	128	132408	24.761	ppm		94
23) 2-Methylphenol	4.955	108	112763	23.502	ppm		96
24) 3+4-Methylphenol	5.094	108	120420	22.181	ppm		96
38) 2-Nitrophenol	5.543	139	67415	23.817	ppm		93
39) 2,4-Dimethylphenol	5.580	107	130799	25.660	ppm		99
41) Benzoic Acid	5.666	105	50602	34.522	ppm		94
42) 2,4-Dichlorophenol	5.783	162	103682	25.680	ppm		98
43) a,a-Dimethylphenethyla...	5.933	58	100265	9.850	ppm		99
47) 2,6-Dichlorophenol	5.986	162	102581	24.296	ppm		92
50) 4-Chloro-3-methylphenol	6.456	107	105672	26.205	ppm		94
53) p-Phenylenediamine	6.338	80	16260	15.754	ppm		96
61) 2,4,6-Trichlorophenol	6.873	196	70150	27.205	ppm		96
62) 2,4,5-Trichlorophenol	6.926	196	69459	25.045	ppm		98
75) 2,4-Dinitrophenol	7.700	184	16330	24.642	ppm		87
78) 4-Nitrophenol	7.797	65	39889	22.498	ppm	#	21
82) 2,3,4,6-Tetrachlorophenol	7.946	232	53136	28.557	ppm		96
89) Sulfotepp	8.411	322	39330	30.729	ppm		94
93) 4,6-Dinitro-2-methylph...	8.219	198	33680	20.722	ppm		96
105) Pentachlorophenol	8.902	266	32603	40.822	ppm		98
109) Dinoseb	9.073	211	46427	21.702	ppm		97
120) Methapyrilene	9.949	58	116345	35.401	ppm		97
121) Isodrin	10.141	193	35211	25.249	ppm		95
122) Benzidine	10.489	184	163413	18.260	ppm		100

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973A\DATA\051319\
Data File : DS017.D
Acq On : 13 May 2019 4:20 pm
Operator : JMisiurewicz
Sample : MDL 50 ppm
Misc : 335967 8270D SOIL
ALS Vial : 18 Sample Multiplier: 1

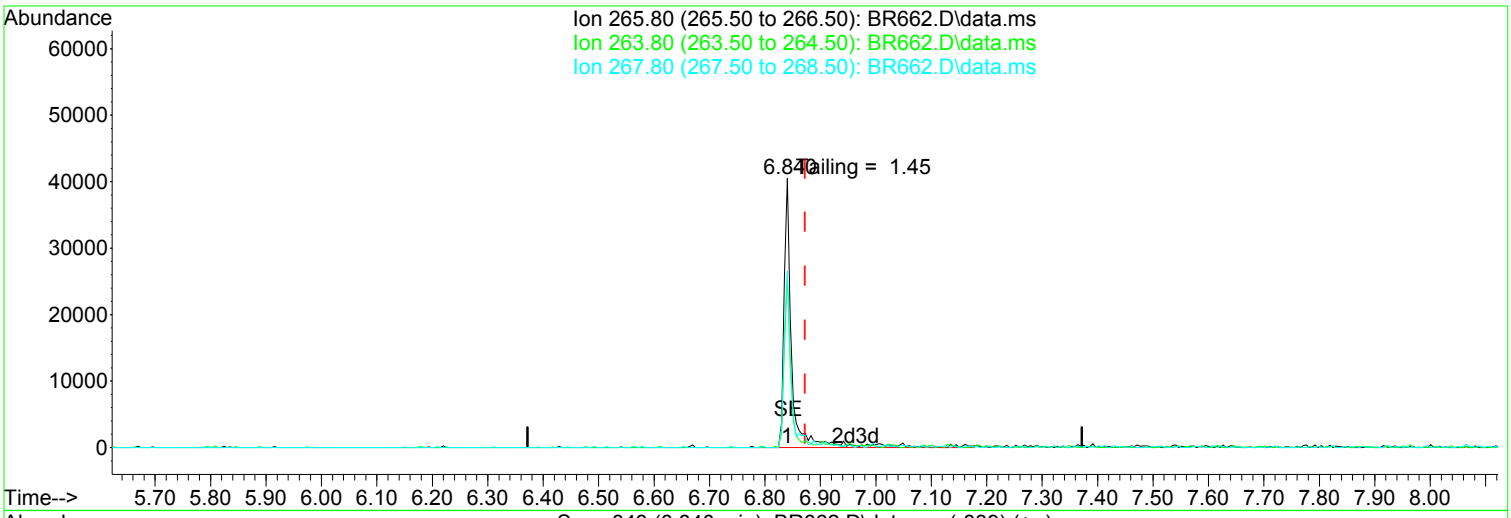
Quant Time: May 14 06:31:40 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration

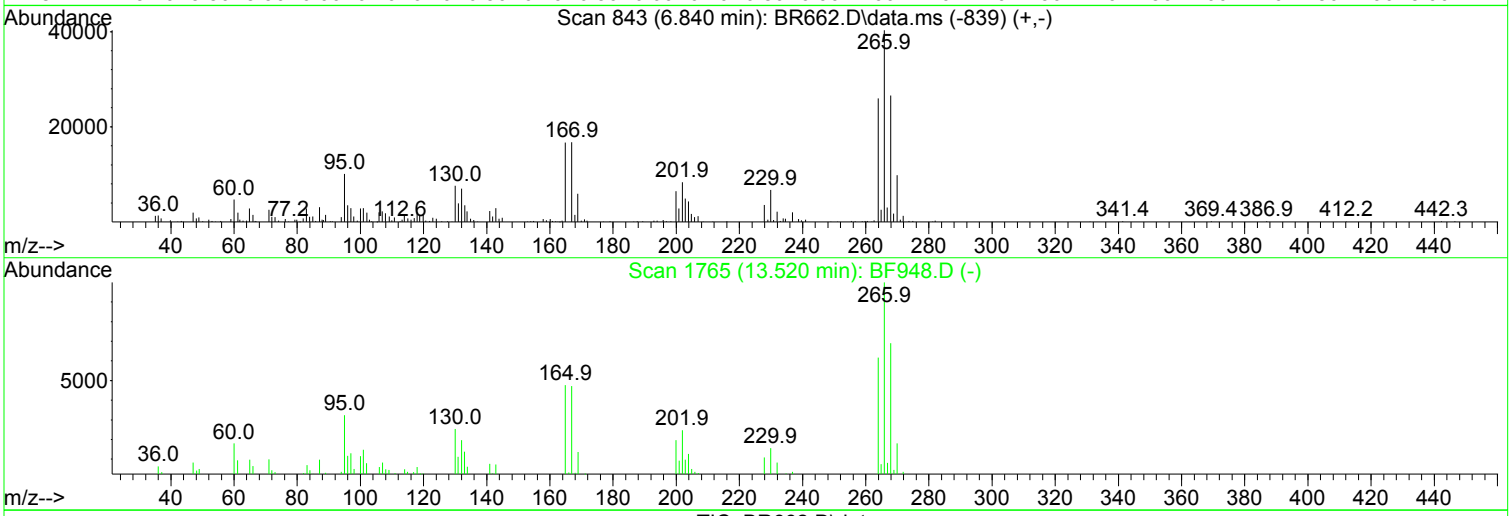


Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\050719\
Data File : BR662.D
Acq On : 7 May 2019 12:42 pm
Operator : JMisiurewicz
Sample : TUNE
Misc : 50 ng DFTPP
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 07 13:47:04 2019
Quant Method : I:\ACQUDATA\5973D\Methods\TUNED.M
Quant Title : TUNE CHECK
QLast Update : Fri Feb 01 11:56:36 2019
Response via : Initial Calibration





TIC: BR662.D\data.ms

(5) Pentachlorophenol (TCM)

6.840min (-0.032) 43.99 ppm

response 37385

Ion	Exp%	Act%
265.80	100.00	100.00
263.80	63.50	63.95
267.80	64.20	65.63
0.00	0.00	0.00

Manual Integration:

After

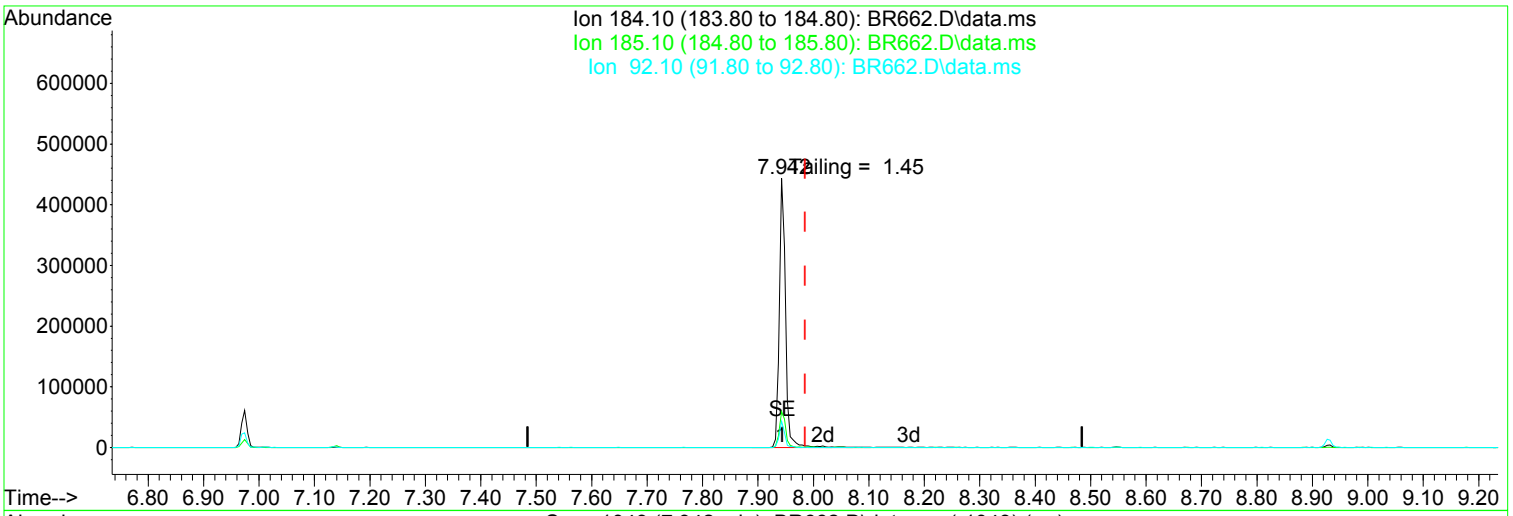
Other - Tailing

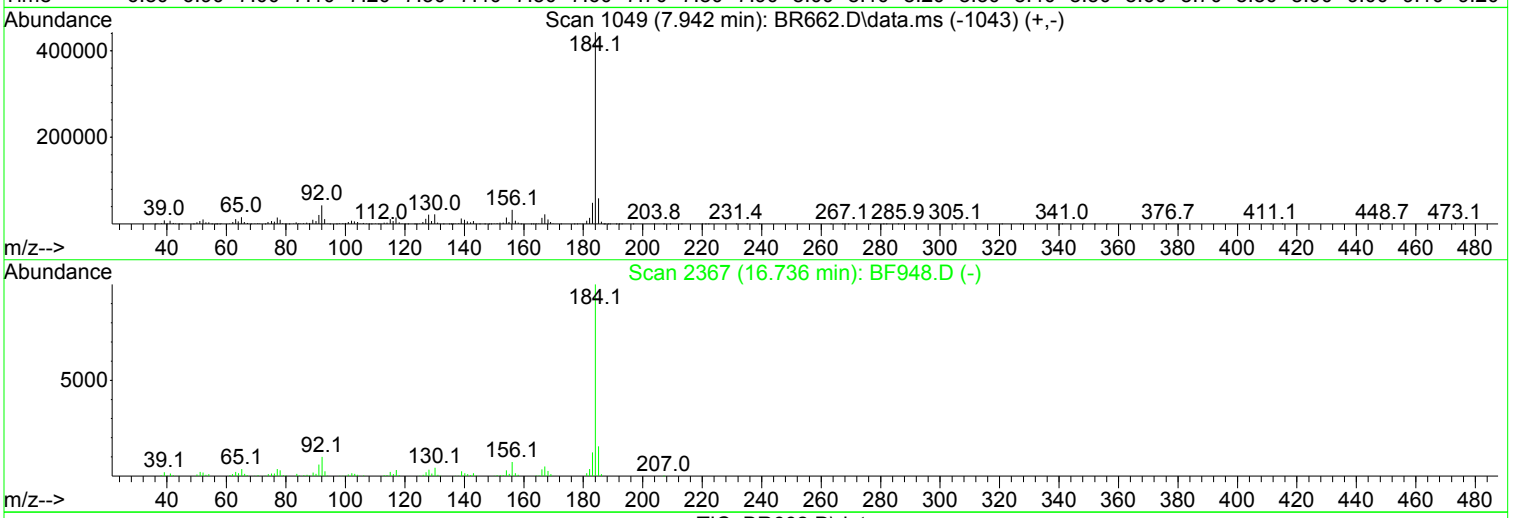
05/08/19

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\050719\
Data File : BR662.D
Acq On : 7 May 2019 12:42 pm
Operator : JMisiurewicz
Sample : TUNE
Misc : 50 ng DFTPP
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 07 13:47:04 2019
Quant Method : I:\ACQUDATA\5973D\Methods\TUNED.M
Quant Title : TUNE CHECK
QLast Update : Fri Feb 01 11:56:36 2019
Response via : Initial Calibration





TIC: BR662.D\data.ms

(8) Benzidine (T)

7.942min (-0.043) 57.28 ppm

response 339857

Ion	Exp%	Act%
184.10	100.00	100.00
185.10	14.80	13.34
92.10	10.10	9.76
0.00	0.00	0.00

Manual Integration:

After

Other - Tailing

05/08/19

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973D\Data\050719\
Data File : BR662.D
Acq On : 7 May 2019 12:42 pm
Operator : JMisiurewicz
Sample : TUNE
Misc : 50 ng DFTPP
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 07 13:47:04 2019
Quant Method : I:\ACQUDATA\5973D\Methods\TUNED.M
Quant Title : TUNE CHECK
QLast Update : Fri Feb 01 11:56:36 2019
Response via : Initial Calibration

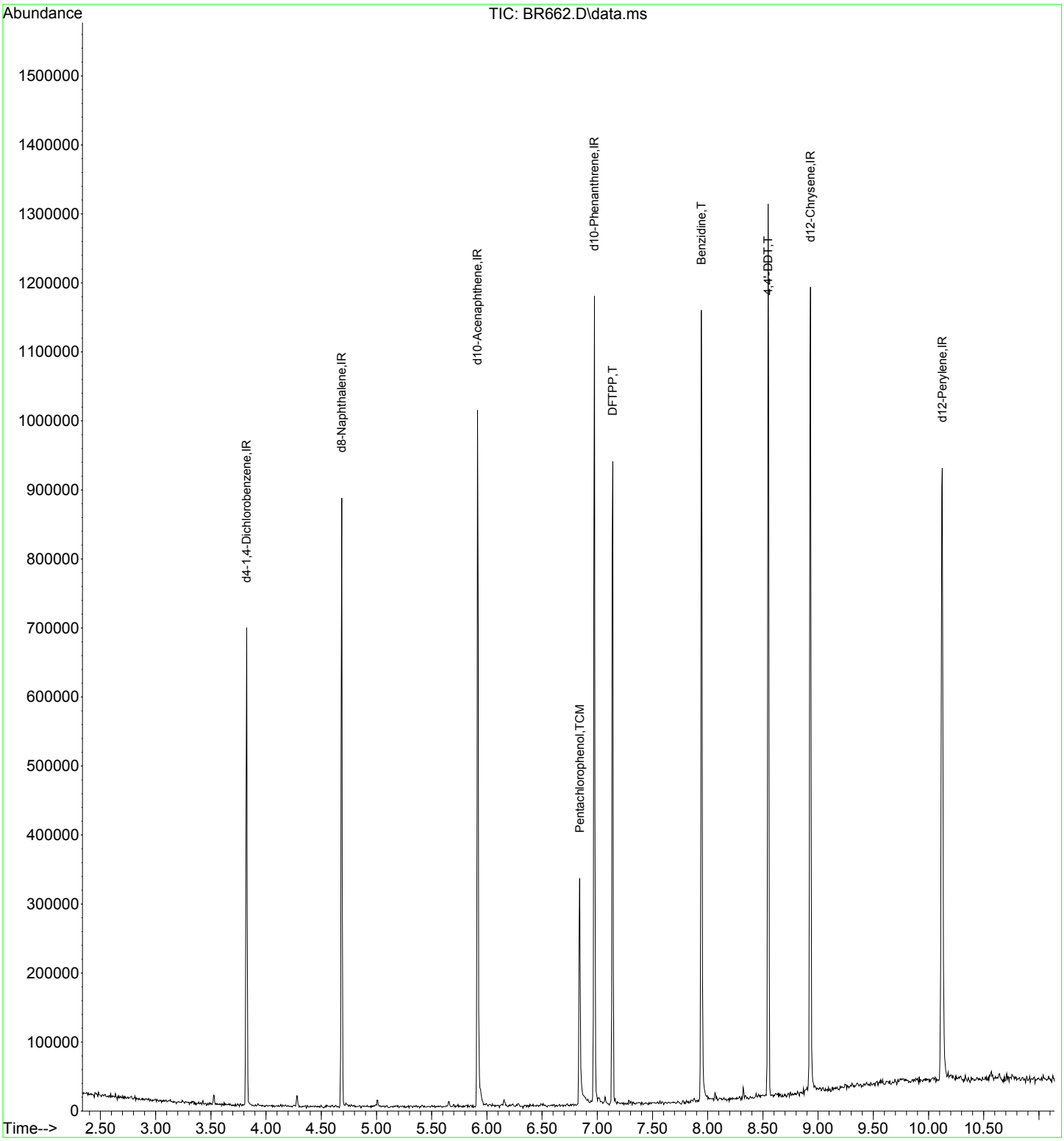
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	3.824	152	76860	40.00	ppm	-0.04
2) d8-Naphthalene	4.685	136	279275	40.00	ppm	-0.04
3) d10-Acenaphthene	5.915	164	165155	40.00	ppm	-0.04
4) d10-Phenanthrene	6.974	188	298326	40.00	ppm	-0.04
7) d12-Chrysene	8.932	240	334629	40.00	ppm	-0.04
12) d12-Perylene	10.124	264	358498	40.00	ppm	-0.05
Target Compounds						Qvalue
5) Pentachlorophenol	6.840	266	37385	43.989	ppm	99
6) DFTPP	7.140	198	60815	59.652	ppm	90
8) Benzidine	7.942	184	339857	57.278	ppm	98
9) 4,4'-DDE	7.140	246	1833	N.D.		
10) 4,4'-DDD	0.000		0	N.D.	d	
11) 4,4'-DDT	8.547	235	170595	53.172	ppm	90

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

1st JM 05/08/19
2nd BA 05/08/19

Data Path : I:\ACQUDATA\5973D\Data\050719\
Data File : BR662.D
Acq On : 7 May 2019 12:42 pm
Operator : JMisiurewicz
Sample : TUNE
Misc : 50 ng DFTPP
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 07 13:47:04 2019
Quant Method : I:\ACQUDATA\5973D\Methods\TUNED.M
Quant Title : TUNE CHECK
QLast Update : Fri Feb 01 11:56:36 2019
Response via : Initial Calibration

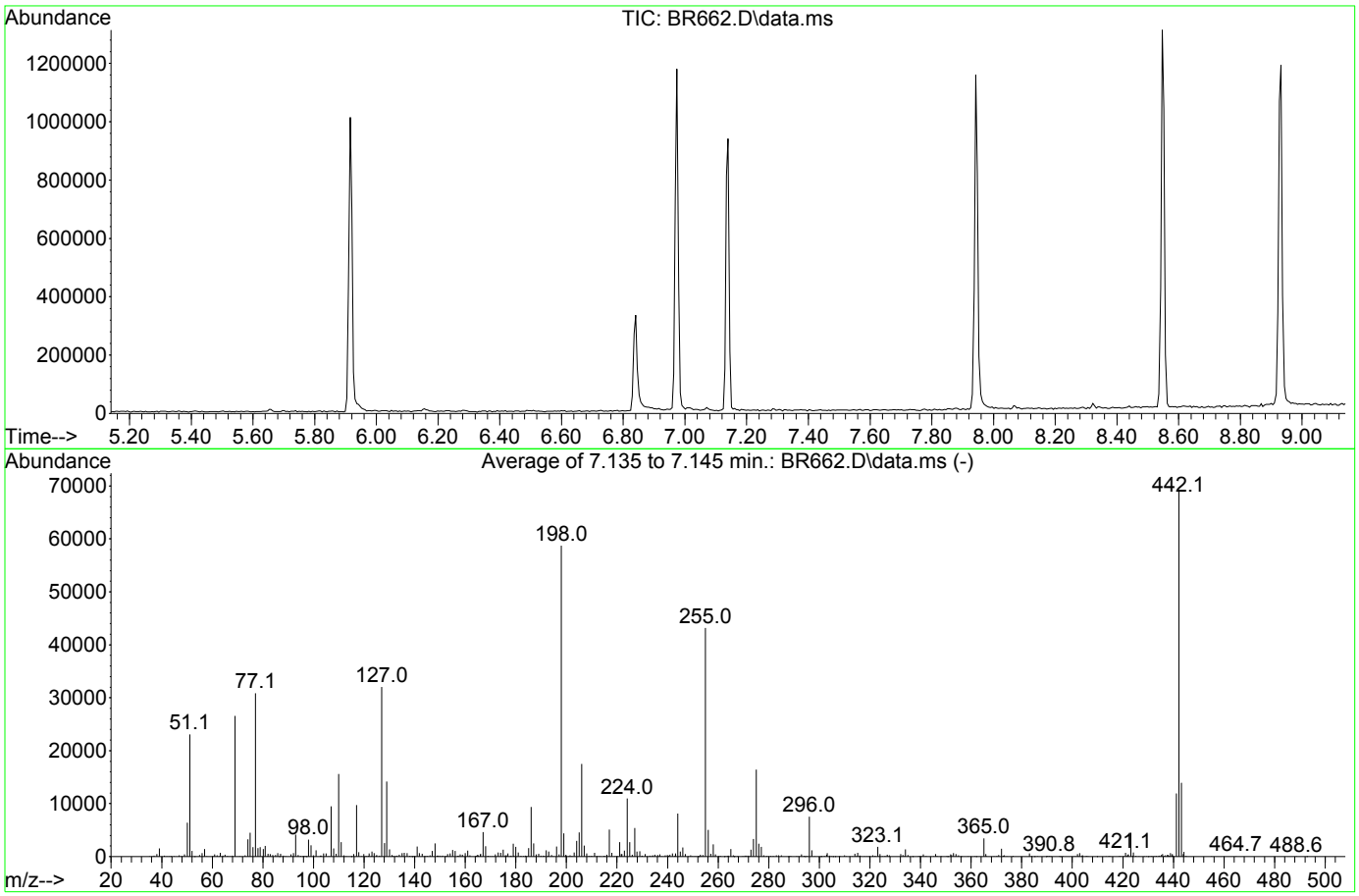


1st DM 05/08/19
2nd BA 05/08/19

Data Path : I:\ACQUDATA\5973D\Data\050719\
Data File : BR662.D
Acq On : 7 May 2019 12:42 pm
Operator : JMisiurewicz
Sample : TUNE
Misc : 50 ng DFTPP
ALS Vial : 2 Sample Multiplier: 1

Integration File: RTEINT.P

Method : I:\ACQUDATA\5973D\Methods\TUNCHECK.M
Title : TUNE CHECK
Last Update : Wed Sep 19 10:00:53 2018



AutoFind: Scans 898, 899, 900; Background Corrected with Scan 893

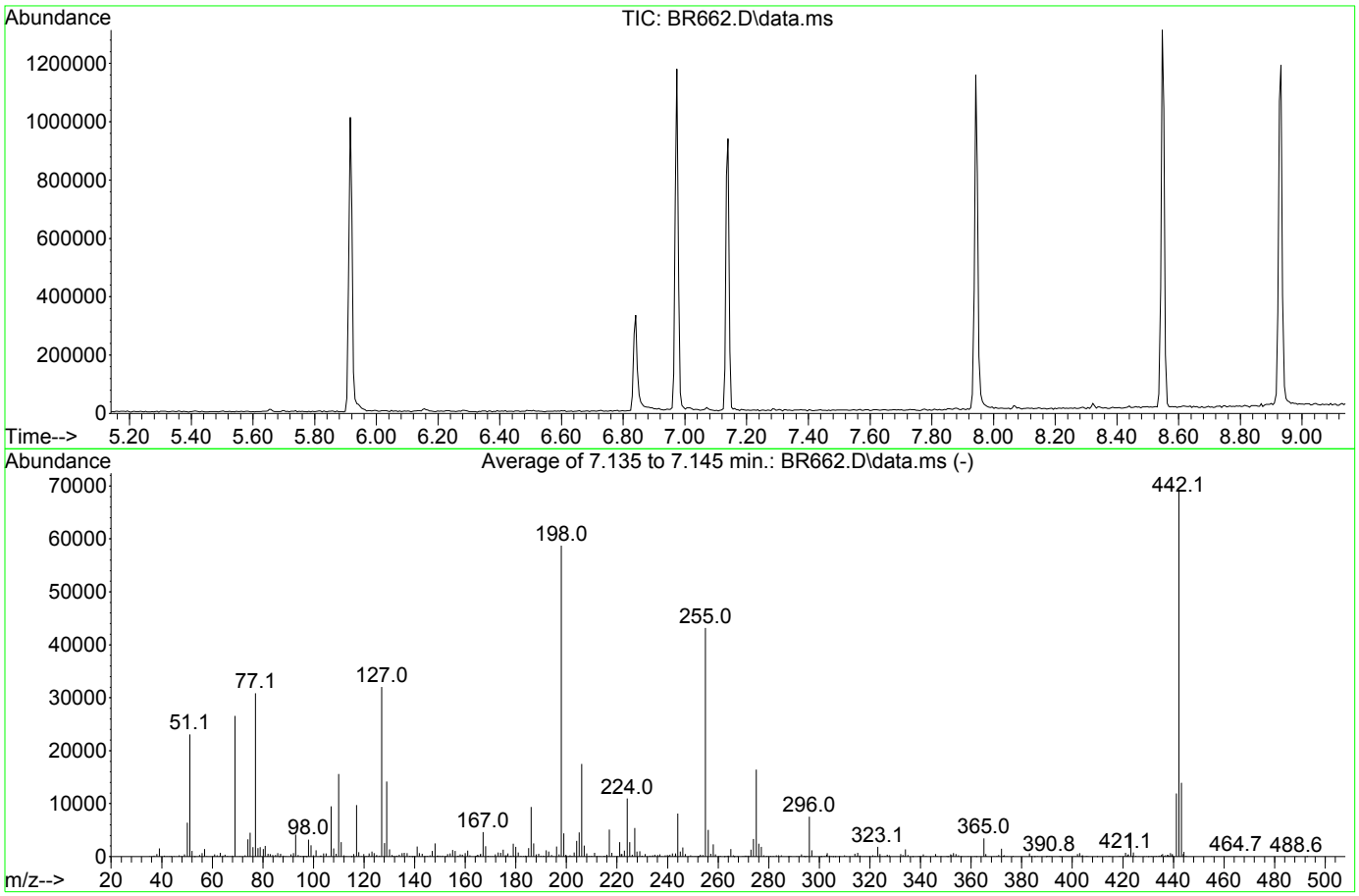
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	39.4	23101	PASS
68	69	0.00	2	0.6	157	PASS
69	198	0.00	100	45.2	26560	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	54.5	32014	PASS
197	198	0.00	1	0.7	406	PASS
198	198	100	100	100.0	58705	PASS
199	198	5	9	7.5	4422	PASS
275	198	10	30	28.0	16428	PASS
365	198	1	500	5.8	3430	PASS
441	443	0.01	100	85.9	11948	PASS
442	198	50	500	117.5	68973	PASS
443	442	17	23	20.2	13914	PASS

1st DM 05/08/19
2nd BA 05/08/19

Data Path : I:\ACQUDATA\5973D\Data\050719\
Data File : BR662.D
Acq On : 7 May 2019 12:42 pm
Operator : JMisiurewicz
Sample : TUNE
Misc : 50 ng DFTPP
ALS Vial : 2 Sample Multiplier: 1

Integration File: RTEINT.P

Method : I:\ACQUDATA\5973D\Methods\TUNED.M
Title : TUNE CHECK
Last Update : Fri Feb 01 11:56:36 2019



AutoFind: Scans 898, 899, 900; Background Corrected with Scan 893

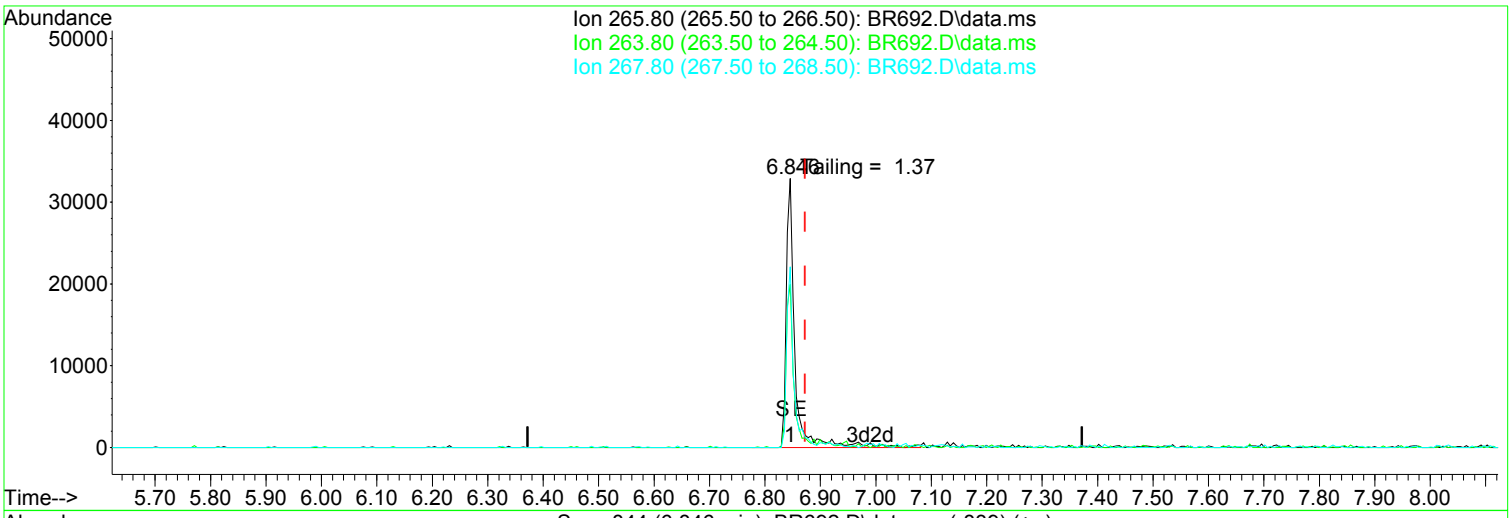
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	39.4	23101	PASS
68	69	0.00	2	0.6	157	PASS
69	198	0.00	100	45.2	26560	PASS
70	69	0.00	2	0.0	0	PASS
127	198	10	80	54.5	32014	PASS
197	198	0.00	2	0.7	406	PASS
198	198	100	100	100.0	58705	PASS
199	198	5	9	7.5	4422	PASS
275	198	10	60	28.0	16428	PASS
365	198	1	500	5.8	3430	PASS
441	442	0.01	24	17.3	11948	PASS
442	442	100	100	100.0	68973	PASS
443	442	15	24	20.2	13914	PASS

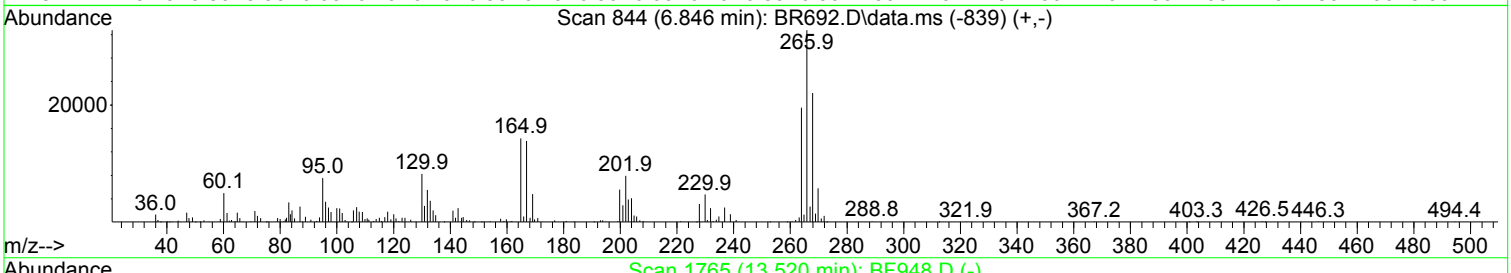
1st JM 05/09/19
2nd BA 05/09/19

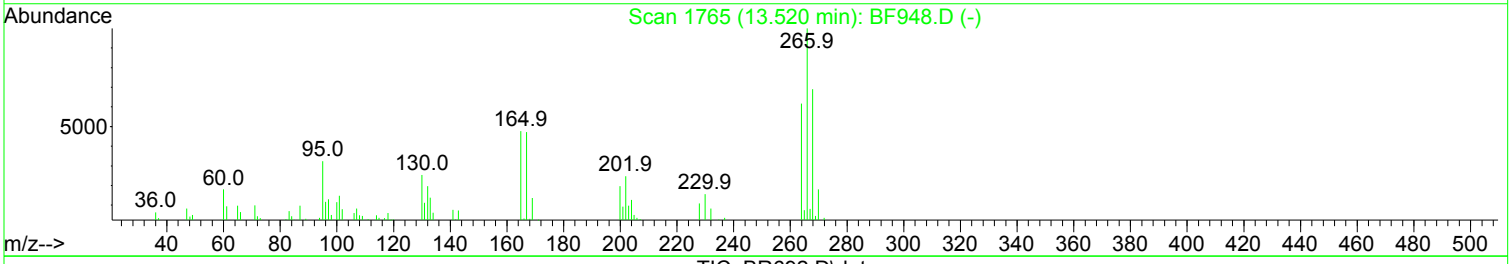
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\050819\
Data File : BR692.D
Acq On : 8 May 2019 7:49 am
Operator : JMisiurewicz
Sample : TUNE
Misc : 50 ng DFTPP
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 08 08:15:22 2019
Quant Method : I:\ACQUDATA\5973D\Methods\TUNED.M
Quant Title : TUNE CHECK
QLast Update : Fri Feb 01 11:56:36 2019
Response via : Initial Calibration







TIC: BR692.D\data.ms

(5) Pentachlorophenol (TCM)

6.846min (-0.027) 46.64 ppm

response 34303

Ion	Exp%	Act%
265.80	100.00	100.00
263.80	63.50	59.73
267.80	64.20	67.34
0.00	0.00	0.00

Manual Integration:

After

Other - Tailing

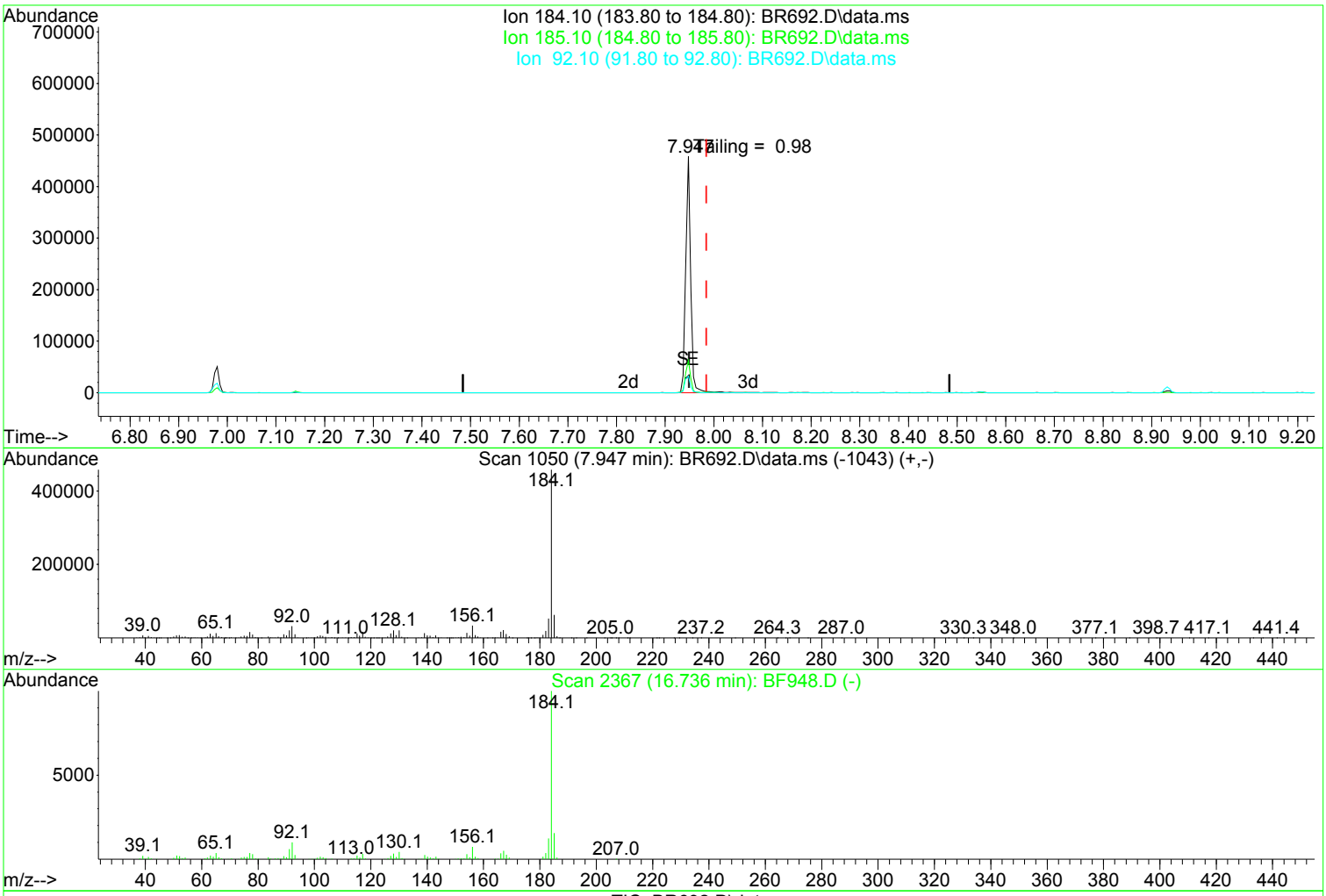
05/09/19

1st JM 05/09/19
2nd BA 05/09/19

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\050819\
Data File : BR692.D
Acq On : 8 May 2019 7:49 am
Operator : JMisiurewicz
Sample : TUNE
Misc : 50 ng DFTPP
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 08 08:15:22 2019
Quant Method : I:\ACQUDATA\5973D\Methods\TUNED.M
Quant Title : TUNE CHECK
QLast Update : Fri Feb 01 11:56:36 2019
Response via : Initial Calibration



TIC: BR692.D\data.ms

(8) Benzidine (T)

7.947min (-0.037) 58.86 ppm

response 321128

Ion	Exp%	Act%
184.10	100.00	100.00
185.10	14.80	13.64
92.10	10.10	6.97
0.00	0.00	0.00

Manual Integration:

After

Other - Tailing

05/09/19

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973D\Data\050819\
Data File : BR692.D
Acq On : 8 May 2019 7:49 am
Operator : JMisiurewicz
Sample : TUNE
Misc : 50 ng DFTPP
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 08 08:15:22 2019
Quant Method : I:\ACQUDATA\5973D\Methods\TUNED.M
Quant Title : TUNE CHECK
QLast Update : Fri Feb 01 11:56:36 2019
Response via : Initial Calibration

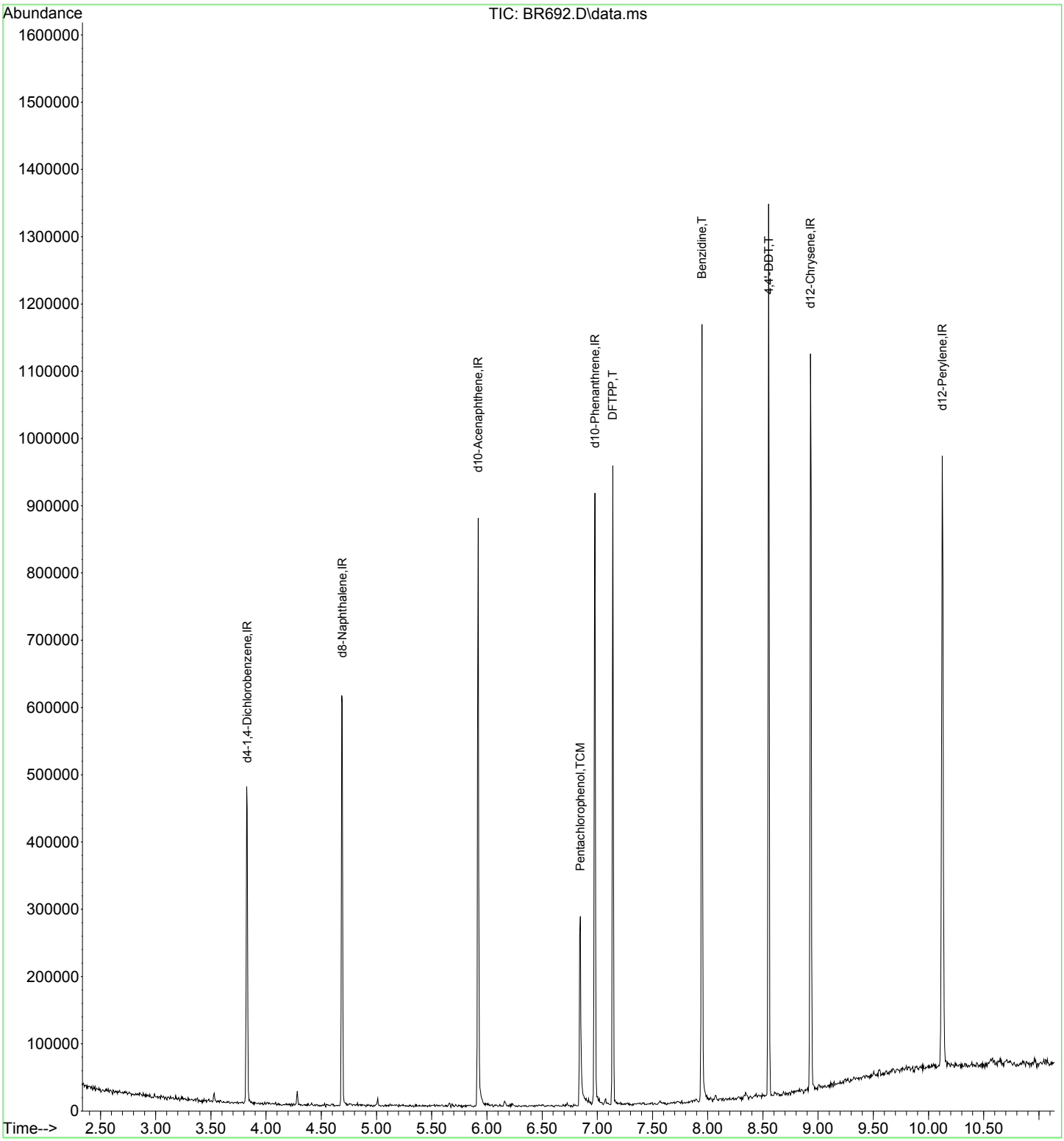
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	3.829	152	58853	40.00	ppm	-0.04
2) d8-Naphthalene	4.690	136	227200	40.00	ppm	-0.03
3) d10-Acenaphthene	5.920	164	137285	40.00	ppm	-0.03
4) d10-Phenanthrene	6.979	188	258148	40.00	ppm	-0.03
7) d12-Chrysene	8.932	240	307713	40.00	ppm	-0.04
12) d12-Perylene	10.124	264	342426	40.00	ppm	-0.05
Target Compounds						Qvalue
5) Pentachlorophenol	6.846	266	34303	46.645	ppm	96
6) DFTPP	7.140	198	56101	63.593	ppm	72
8) Benzidine	7.947	184	321128	58.856	ppm	95
9) 4,4'-DDE	7.140	246	2258	N.D.		
10) 4,4'-DDD	0.000		0	N.D.	d	
11) 4,4'-DDT	8.552	235	162509	55.083	ppm	94

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

1st DM 05/09/19
2nd BA 05/09/19

Data Path : I:\ACQUDATA\5973D\Data\050819\
Data File : BR692.D
Acq On : 8 May 2019 7:49 am
Operator : JMisiurewicz
Sample : TUNE
Misc : 50 ng DFTPP
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 08 08:15:22 2019
Quant Method : I:\ACQUDATA\5973D\Methods\TUNED.M
Quant Title : TUNE CHECK
QLast Update : Fri Feb 01 11:56:36 2019
Response via : Initial Calibration

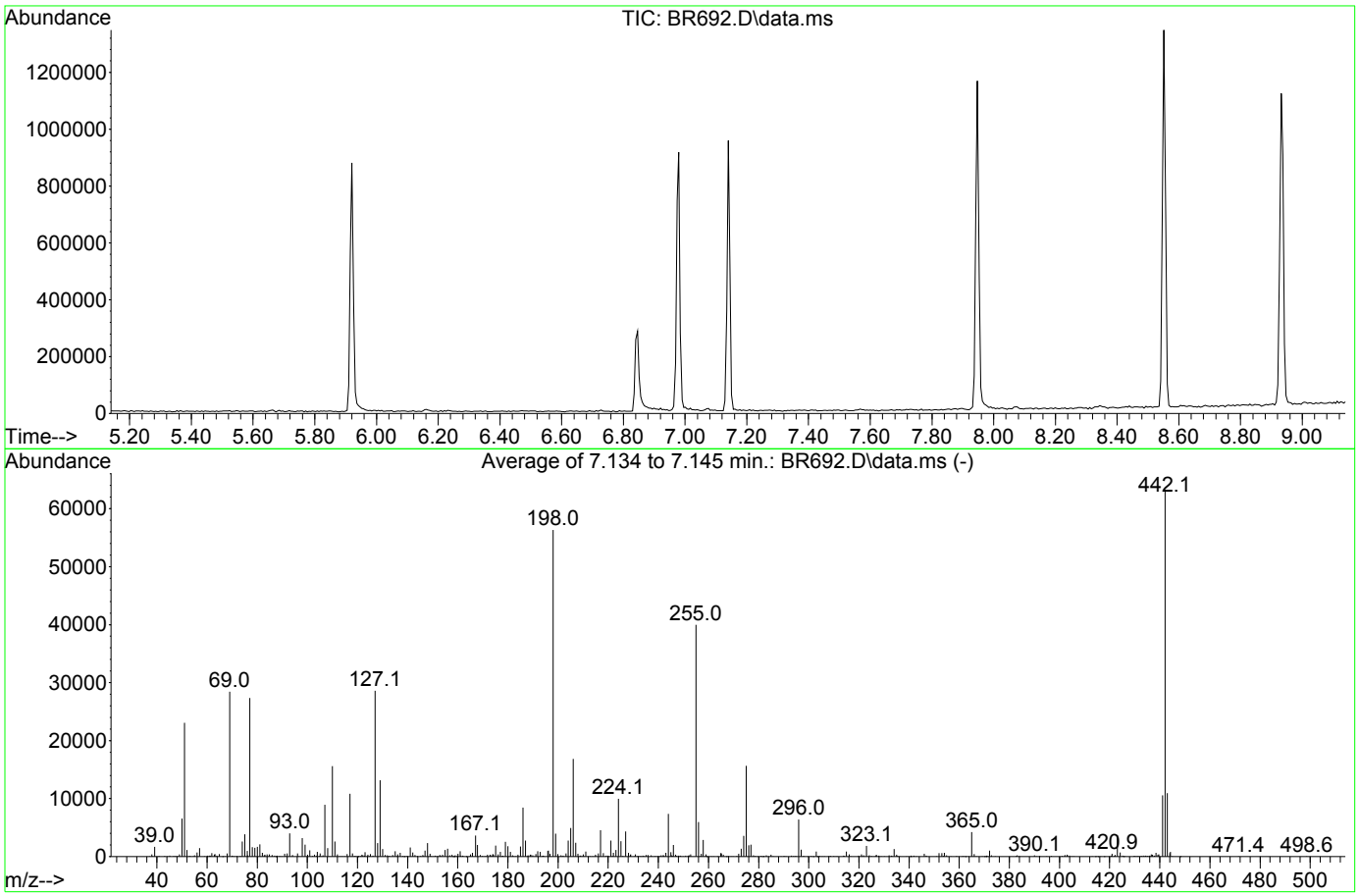


1st DM 05/09/19
2nd BA 05/09/19

Data Path : I:\ACQUDATA\5973D\Data\050819\
Data File : BR692.D
Acq On : 8 May 2019 7:49 am
Operator : JMisiurewicz
Sample : TUNE
Misc : 50 ng DFTPP
ALS Vial : 2 Sample Multiplier: 1

Integration File: RTEINT.P

Method : I:\ACQUDATA\5973D\Methods\TUNCHECK.M
Title : TUNE CHECK
Last Update : Wed Sep 19 10:00:53 2018



AutoFind: Scans 898, 899, 900; Background Corrected with Scan 894

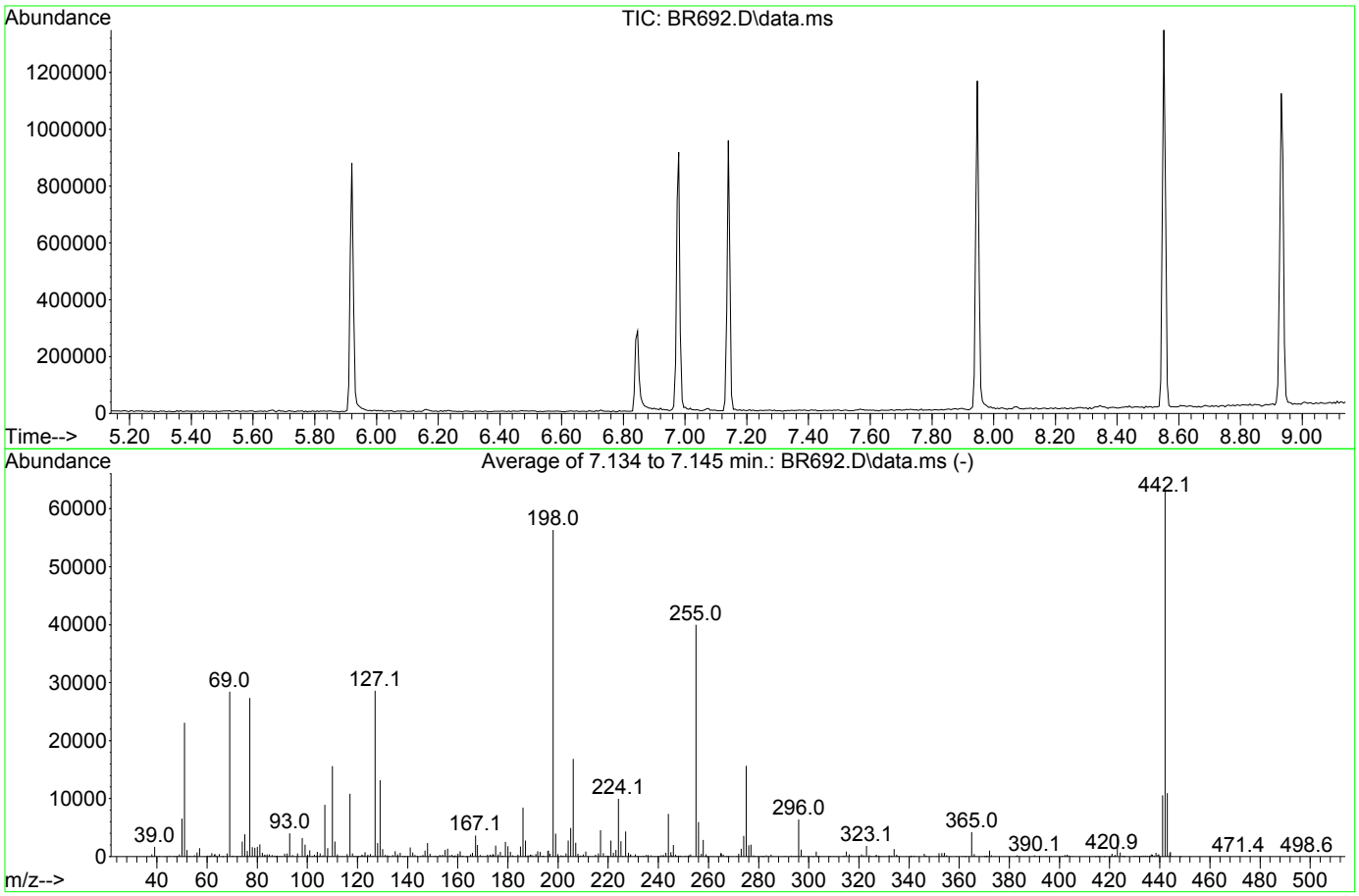
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	40.9	23054	PASS
68	69	0.00	2	2.0	562	PASS
69	198	0.00	100	50.4	28419	PASS
70	69	0.00	2	0.7	190	PASS
127	198	40	60	50.8	28608	PASS
197	198	0.00	1	0.9	489	PASS
198	198	100	100	100.0	56352	PASS
199	198	5	9	7.0	3952	PASS
275	198	10	30	27.8	15679	PASS
365	198	1	500	7.5	4229	PASS
441	443	0.01	100	96.3	10554	PASS
442	198	50	500	111.8	62983	PASS
443	442	17	23	17.4	10961	PASS

1st DM 05/09/19
2nd BA 05/09/19

Data Path : I:\ACQUDATA\5973D\Data\050819\
Data File : BR692.D
Acq On : 8 May 2019 7:49 am
Operator : JMisiurewicz
Sample : TUNE
Misc : 50 ng DFTPP
ALS Vial : 2 Sample Multiplier: 1

Integration File: RTEINT.P

Method : I:\ACQUDATA\5973D\Methods\TUNED.M
Title : TUNE CHECK
Last Update : Fri Feb 01 11:56:36 2019



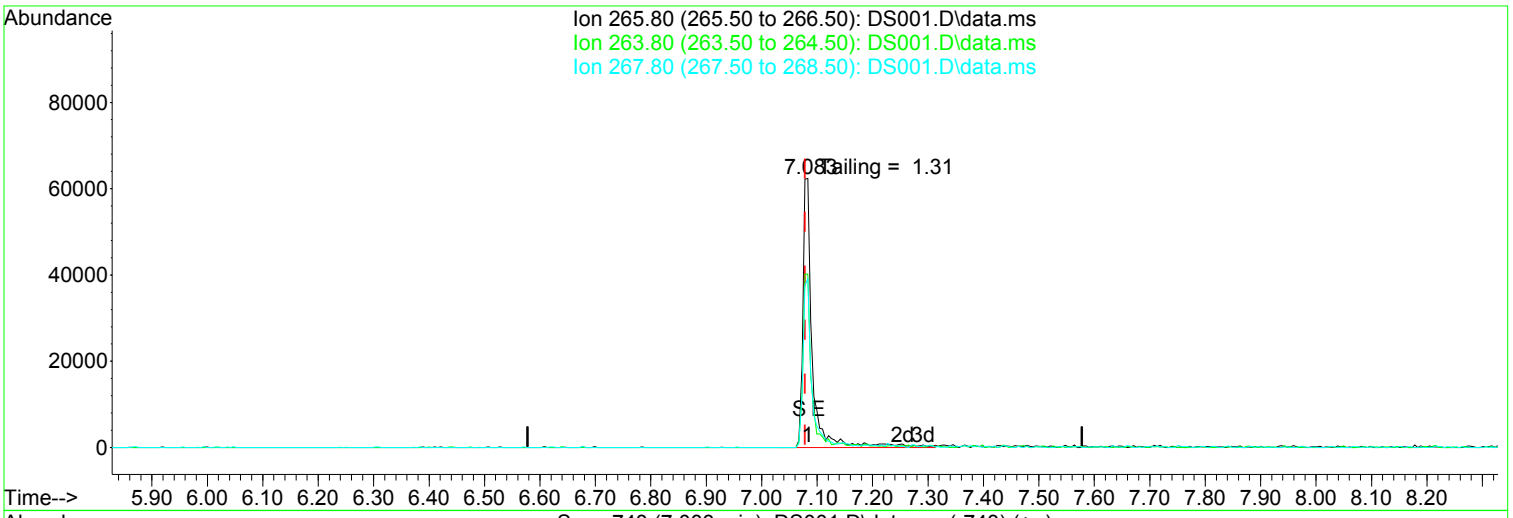
AutoFind: Scans 898, 899, 900; Background Corrected with Scan 894

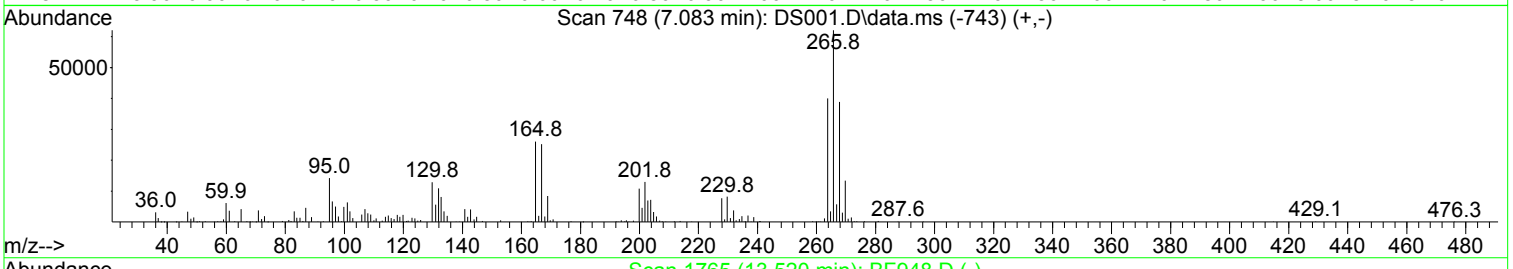
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	40.9	23054	PASS
68	69	0.00	2	2.0	562	PASS
69	198	0.00	100	50.4	28419	PASS
70	69	0.00	2	0.7	190	PASS
127	198	10	80	50.8	28608	PASS
197	198	0.00	2	0.9	489	PASS
198	198	100	100	100.0	56352	PASS
199	198	5	9	7.0	3952	PASS
275	198	10	60	27.8	15679	PASS
365	198	1	500	7.5	4229	PASS
441	442	0.01	24	16.8	10554	PASS
442	442	100	100	100.0	62983	PASS
443	442	15	24	17.4	10961	PASS

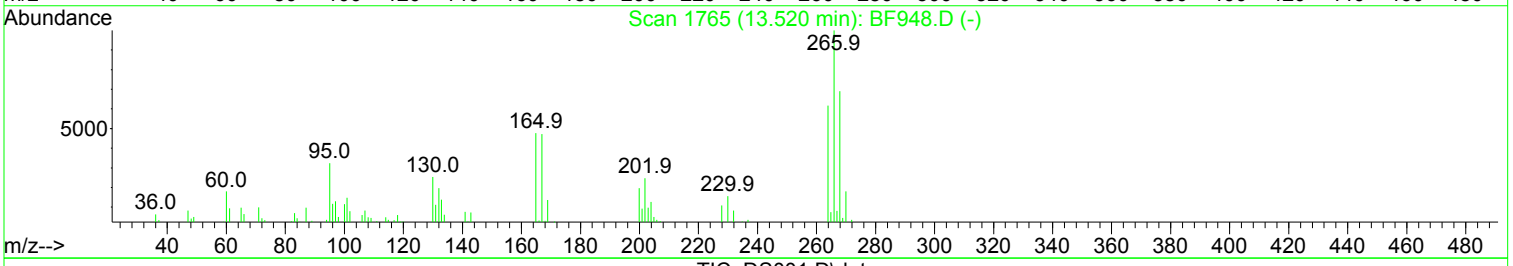
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\051319\
Data File : DS001.D
Acq On : 13 May 2019 8:13 am
Operator : JMisiurewicz
Sample : TUNE
Misc : 50 ng DFTPP
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 13 08:32:00 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\TUNED.M
Quant Title : TUNE CHECK
QLast Update : Wed May 01 08:03:48 2019
Response via : Initial Calibration







TIC: DS001.D\data.ms

(5) Pentachlorophenol (TCM)

7.083min (+ 0.005) 73.78 ppm

response 71991

Ion	Exp%	Act%
265.80	100.00	100.00
263.80	63.50	64.42
267.80	64.20	62.62
0.00	0.00	0.00

Manual Integration:

After

Other - Tailing

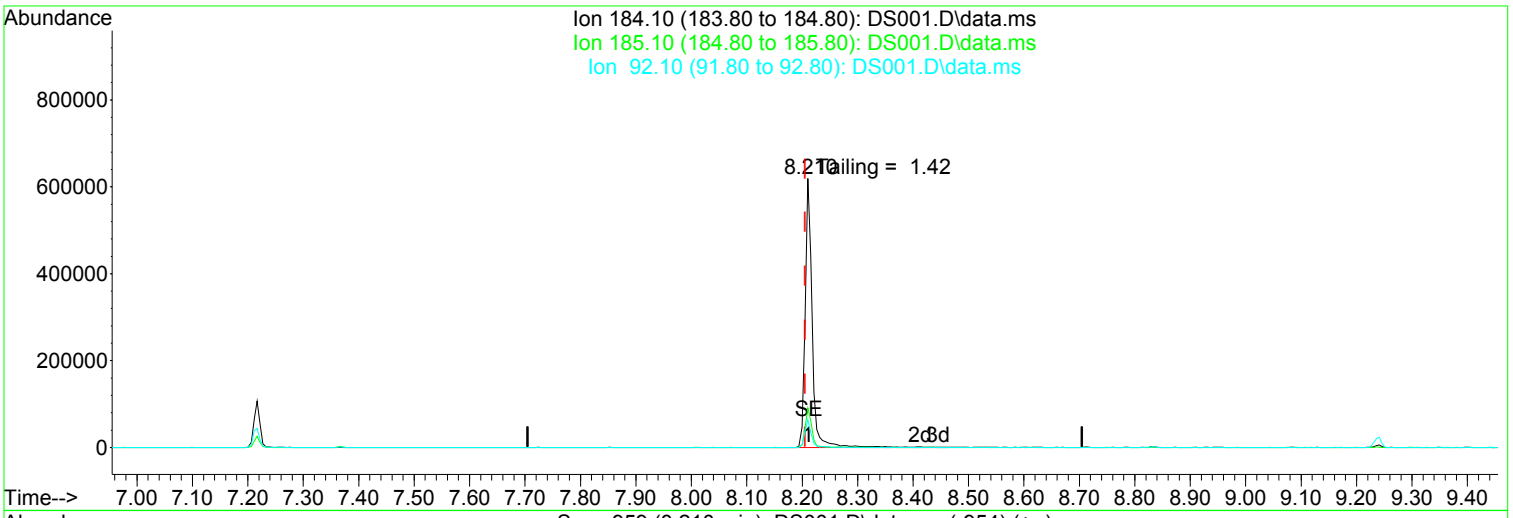
05/14/19

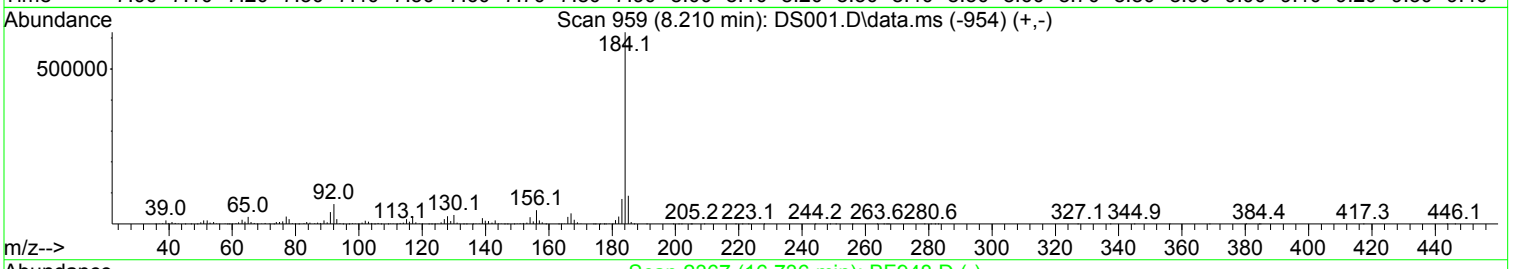
1st JM 05/14/19
2nd BA 05/14/19

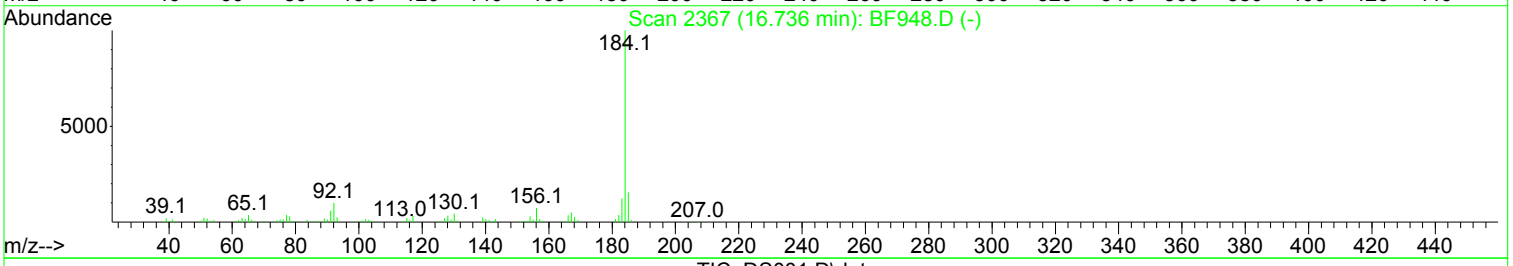
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\051319\
Data File : DS001.D
Acq On : 13 May 2019 8:13 am
Operator : JMisiurewicz
Sample : TUNE
Misc : 50 ng DFTPP
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 13 08:32:00 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\TUNED.M
Quant Title : TUNE CHECK
QLast Update : Wed May 01 08:03:48 2019
Response via : Initial Calibration







TIC: DS001.D\data.ms

(8) Benzidine (T)

8.210min (+ 0.005) 40.88 ppm

response 546995

Ion	Exp%	Act%
184.10	100.00	100.00
185.10	14.80	14.74
92.10	10.10	10.37
0.00	0.00	0.00

Manual Integration:

After

Other - Tailing

05/14/19

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973A\DATA\051319\
Data File : DS001.D
Acq On : 13 May 2019 8:13 am
Operator : JMisiurewicz
Sample : TUNE
Misc : 50 ng DFTPP
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 13 08:32:00 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\TUNED.M
Quant Title : TUNE CHECK
QLast Update : Wed May 01 08:03:48 2019
Response via : Initial Calibration

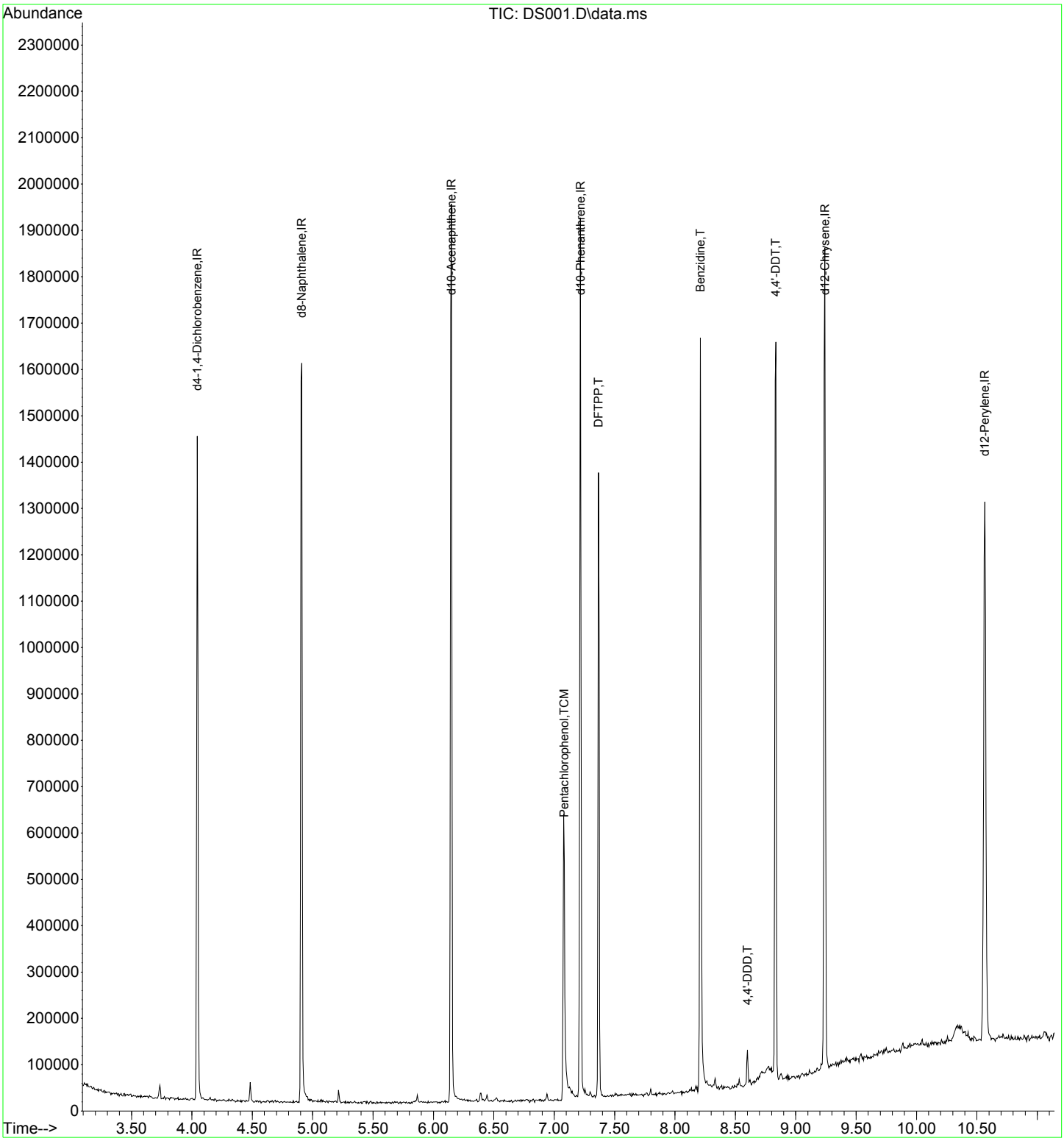
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) d4-1,4-Dichlorobenzene	4.044	152	183714	40.00	ppm		0.00
2) d8-Naphthalene	4.909	136	680406	40.00	ppm		0.00
3) d10-Acenaphthene	6.149	164	333238	40.00	ppm		0.00
4) d10-Phenanthrene	7.217	188	532632	40.00	ppm		0.00
7) d12-Chrysene	9.241	240	493008	40.00	ppm		0.02
12) d12-Perylene	10.566	264	507233	40.00	ppm		0.03
Target Compounds							Qvalue
5) Pentachlorophenol	7.083	266	71991	73.776	ppm		98
6) DFTPP	7.366	198	104133	50.122	ppm	#	59
8) Benzidine	8.210	184	546995	40.884	ppm		100
9) 4,4'-DDE	7.372	246	1779	N.D.			
10) 4,4'-DDD	8.600	235	11571	2.181	ppm		88
11) 4,4'-DDT	8.835	235	235801	44.444	ppm		98

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

1st DM 05/14/19
2nd BA 05/14/19

Data Path : I:\ACQUDATA\5973A\DATA\051319\
Data File : DS001.D
Acq On : 13 May 2019 8:13 am
Operator : JMisiurewicz
Sample : TUNE
Misc : 50 ng DFTPP
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 13 08:32:00 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\TUNED.M
Quant Title : TUNE CHECK
QLast Update : Wed May 01 08:03:48 2019
Response via : Initial Calibration

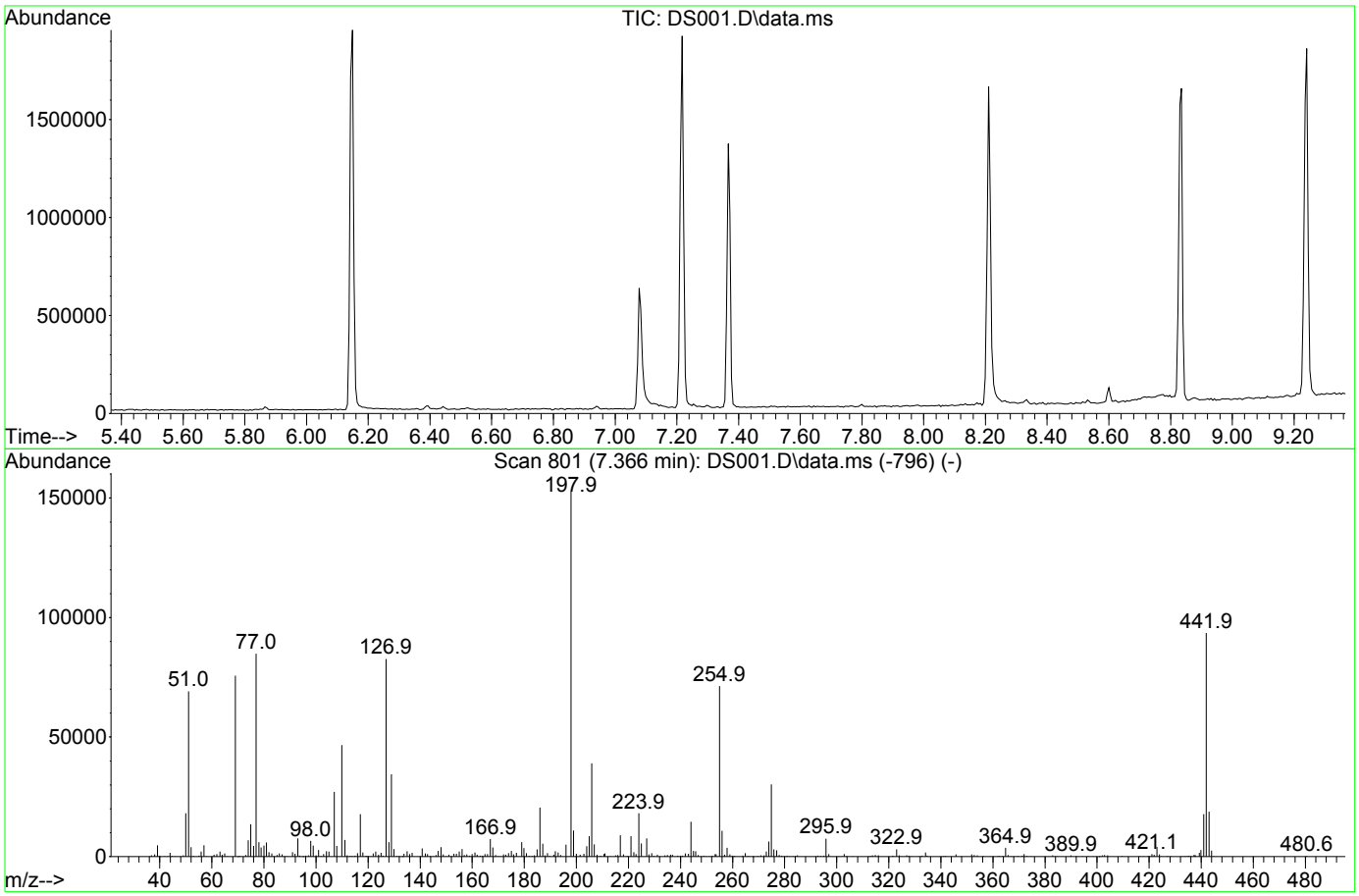


1st DM 05/14/19
2nd BA 05/14/19

Data Path : I:\ACQUDATA\5973A\DATA\051319\
Data File : DS001.D
Acq On : 13 May 2019 8:13 am
Operator : JMisiurewicz
Sample : TUNE
Misc : 50 ng DFTPP
ALS Vial : 2 Sample Multiplier: 1

Integration File: RTEINT.P

Method : I:\ACQUDATA\5973A\METHODS\TUNCHECK.M
Title : TUNE CHECK
Last Update : Wed Oct 03 16:33:08 2012



Spectrum Information: Scan 801

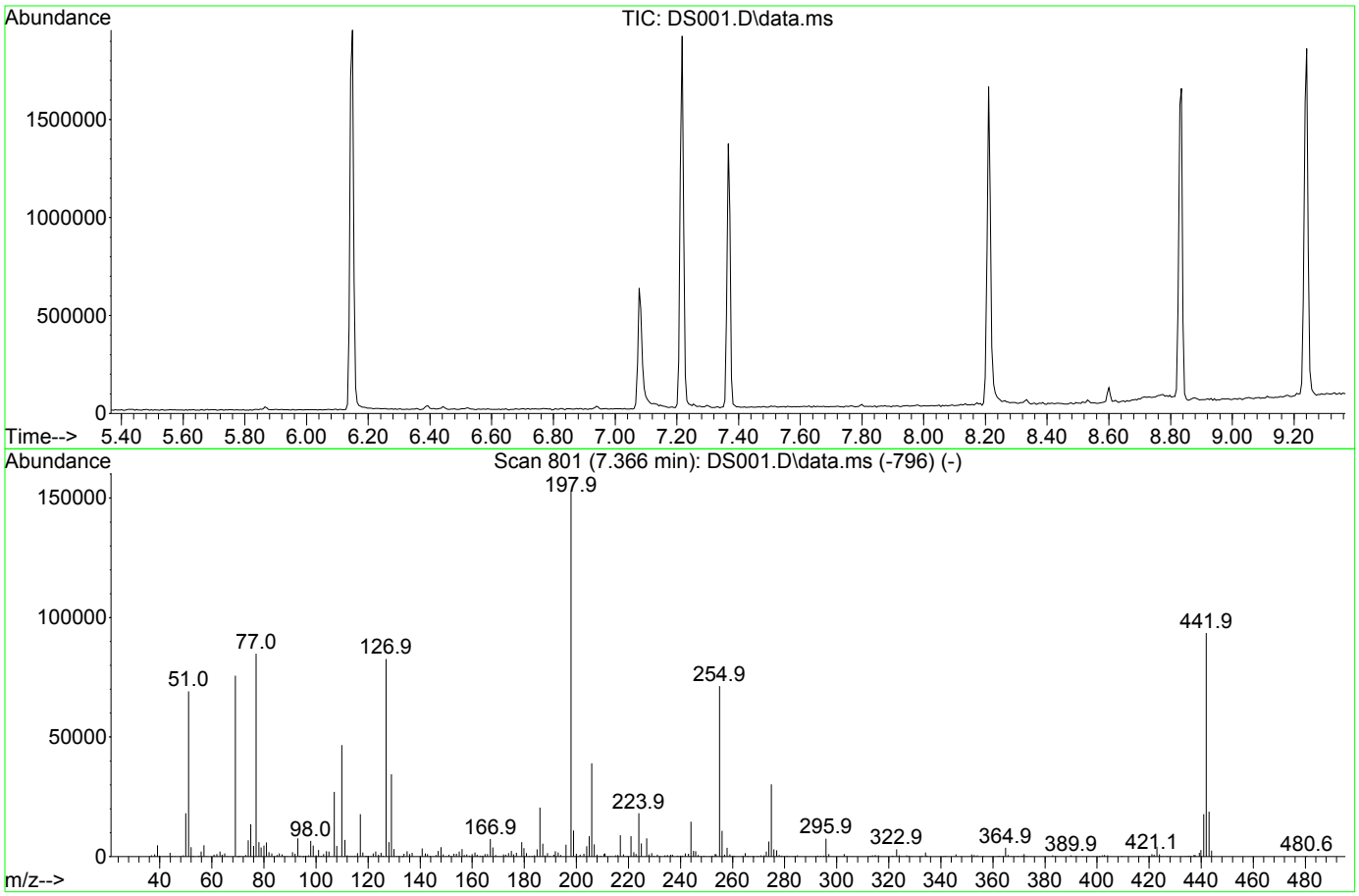
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	45.3	69158	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	49.5	75692	PASS
70	69	0.00	2	0.1	54	PASS
127	198	40	60	54.1	82654	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	152792	PASS
199	198	5	9	7.1	10921	PASS
275	198	10	30	19.8	30272	PASS
365	198	1	500	2.4	3701	PASS
441	443	0.01	100	93.9	17704	PASS
442	198	50	500	61.3	93616	PASS
443	442	17	23	20.1	18856	PASS

1st DM 05/14/19
2nd BA 05/14/19

Data Path : I:\ACQUDATA\5973A\DATA\051319\
Data File : DS001.D
Acq On : 13 May 2019 8:13 am
Operator : JMisiurewicz
Sample : TUNE
Misc : 50 ng DFTPP
ALS Vial : 2 Sample Multiplier: 1

Integration File: RTEINT.P

Method : I:\ACQUDATA\5973A\METHODS\TUNED.M
Title : TUNE CHECK
Last Update : Wed May 01 08:03:48 2019



Spectrum Information: Scan 801

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	45.3	69158	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	49.5	75692	PASS
70	69	0.00	2	0.1	54	PASS
127	198	10	80	54.1	82654	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	152792	PASS
199	198	5	9	7.1	10921	PASS
275	198	10	60	19.8	30272	PASS
365	198	1	500	2.4	3701	PASS
441	442	0.01	24	18.9	17704	PASS
442	442	100	100	100.0	93616	PASS
443	442	15	24	20.1	18856	PASS

1st DM 04/11/19
2nd BA 04/11/19

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR287.D
Acq On : 14 Mar 2019 6:00 pm
Operator : J.Misiurewicz
Sample : ICV
Misc : Initial Calibration 8270D/625
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 11 12:02:09 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Thu Apr 11 11:28:20 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.515	152	78646	40.00	ppm	0.00
33) d8-Naphthalene	5.681	136	306251	40.00	ppm	0.00
57) d10-Acenaphthene	7.382	164	172957	40.00	ppm	0.00
91) d10-Phenanthrene	8.842	188	307915	40.00	ppm	0.00
117) d12-Chrysene	11.955	240	325499	40.00	ppm	0.00
135) d12-Perylene	14.747	264	342909	40.00	ppm	0.00
System Monitoring Compounds						
7) SURR1,2-FLUOROPHENOL	3.430	112	220388	79.66	ppm	0.00
Spiked Amount 200.000	Range 10 - 70		Recovery = 39.83%			
12) SURR2,PHENOL-D6	4.200	99	266985	77.76	ppm	0.00
Spiked Amount 200.000	Range 10 - 107		Recovery = 38.88%			
34) SURR4,NITROBENZENE-D5	5.018	82	239539	75.92	ppm	0.00
Spiked Amount 100.000	Range 31 - 110		Recovery = 75.92%			
63) SURR5,2-FLUOROBIPHENYL	6.724	172	526498	77.66	ppm	0.00
Spiked Amount 100.000	Range 31 - 118		Recovery = 77.66%			
88) SURR3,2,4,6-TRIBROMOPH...	8.163	330	100663	80.32	ppm	0.00
Spiked Amount 200.000	Range 35 - 141		Recovery = 40.16%			
124) SURR6,TERPHENYL-D14	10.479	244	634597	77.85	ppm	0.00
Spiked Amount 100.000	Range 10 - 165		Recovery = 77.85%			
Target Compounds						Qvalue
2) Pyridine	2.370	79	221565	82.157	ppm	97
3) N-Nitrosodimethylamine	2.344	74	119416	75.212	ppm	89
4) 2-Picoline	2.964	93	228612	84.397	ppm	99
5) N-Nitrosomethylamine	3.055	42	100219	74.890	ppm	98
6) Methyl Methansulfonate	3.301	80	101316	81.035	ppm	98
8) N-Nitrosodiethylamine	3.611	102	96320	77.698	ppm	97
9) Ethyl Mathanesulfonate	3.863	79	177732	77.192	ppm	97
10) Benzaldehyde	4.146	106	128667	77.707	ppm	93
11) Aniline	4.237	93	370735	80.704	ppm	92
13) Phenol	4.210	94	285039	77.733	ppm	73
14) bis(2-Clethyl)Ether	4.285	93	196318	82.291	ppm	98
15) Pentachloroethane	4.275	117	83007	71.830	ppm	88
16) 2-Chlorophenol	4.339	128	240803	79.898	ppm	97
17) 1,3-Diclbenzene	4.467	146	260068	77.946	ppm	99
18) 1,4-Dichlorobenzene	4.531	146	260431	76.739	ppm	98
19) 1,2-Diclbenzene	4.665	146	249192	76.167	ppm	98
20) Benzyl Alcohol	4.638	79	180678	80.615	ppm	96
21) 1-Methyl-2-pyrrolidinone	4.676	99	155241	83.453	ppm	89
22) 2,2'-oxybis(1-Chloropr...	4.751	45	247463	100.066	ppm	88
23) 2-Methylphenol	4.756	108	206400	78.917	ppm	96
24) 3+4-Methylphenol	4.890	108	243118	80.305	ppm	86
25) Acetophenone	4.879	105	314189	79.015	ppm	83
26) N-Nitroso-Di-n-propyla...	4.879	70	171452	82.333	ppm	97
27) N-Nitrosopyrrolidine	4.874	100	126231	85.899	ppm	96
28) N-Nitrosomorpholine	4.906	56	122244	79.032	ppm	98
29) o-Toluidine	4.911	106	342813	80.004	ppm	72
30) Hexachloroethane	4.965	117	107492	79.059	ppm	95
31) o,o,o-Triethylphosphor...	5.419	198	122735	83.646	ppm	93
32) Alpha-terpinol	5.708	121	91242	87.292	ppm	92
35) Nitrobenzene	5.039	77	236188	73.533	ppm	89
36) N-Nitrosopiperidine	5.179	42	149964	82.202	ppm	98
37) Isophorone	5.253	82	356169	65.542	ppm	99
38) 2-Nitrophenol	5.328	139	127427	75.250	ppm	96

1st DM 04/11/19
2nd BA 04/11/19

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR287.D
Acq On : 14 Mar 2019 6:00 pm
Operator : J.Misiurewicz
Sample : ICV
Misc : Initial Calibration 8270D/625
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 11 12:02:09 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Thu Apr 11 11:28:20 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) Benzoic Acid	5.473	105	142726	76.641	ppm		94
40) 2,4-Dimethylphenol	5.371	107	239858	77.867	ppm		90
41) bis(-2-Chloroethoxy)Me...	5.451	93	253682	78.312	ppm		99
42) 2,4-Dichlorophenol	5.558	162	205974	79.558	ppm		99
43) a,a-Dimethylphenethyla...	5.981	58	229493m	38.989	ppm		
44) 1,2,4-Trichlorobenzene	5.628	180	213488	73.315	ppm		98
45) Naphthalene	5.703	128	703713	77.410	ppm		99
46) 4-Chloroaniline	5.762	127	284588	77.105	ppm		99
47) 2,6-Dichlorophenol	5.767	162	201611	73.567	ppm		94
48) Hexachlorobutadiene	5.810	225	137740	76.599	ppm		92
49) Hexachloropropene	5.778	213	168510	71.495	ppm		99
50) 4-Chloro-3-methylphenol	6.238	107	193104	77.665	ppm		100
51) N-N-di-n-butylamine	6.077	84	159127	71.313	ppm		96
52) Caprolactam	6.115	113	69316	80.922	ppm		95
53) p-Phenylenediamine	6.120	80	57900	116.936	ppm		96
54) Safrole	6.280	162	181078	76.237	ppm		97
55) 2-Methylnaphthalene	6.366	142	437709	70.527	ppm		98
56) 1-Methylnaphthalene	6.462	142	448059	76.604	ppm		98
58) Hexachlorocyclopentadiene	6.510	237	140820	78.274	ppm		100
59) 1,2,4,5-Tetrachloroben...	6.526	216	225189	73.594	ppm		98
60) 1,2,3,4-Tetrachloroben...	6.805	216	244094	76.453	ppm		99
61) 2,4,6-Trichlorophenol	6.644	196	152420	83.503	ppm		98
62) 2,4,5-Trichlorophenol	6.692	196	144483	72.230	ppm		96
64) Isosafrole	6.788	104	93556	78.514	ppm		96
65) 1,1'-Biphenyl	6.821	154	617708	79.381	ppm		99
66) 2-Chloronaphthalene	6.842	162	433729	76.016	ppm		97
67) 2-Nitroaniline	6.954	65	130300	85.820	ppm		97
68) 1,4-Naphthoquinone	7.024	158	121579	71.362	ppm		94
69) m-Dinitrobenzene	7.168	168	77526	75.441	ppm		89
70) Acenaphthylene	7.243	152	722920	78.660	ppm		99
71) Dimethyl phthalate	7.125	163	493389	71.412	ppm		99
72) 2,6-Dinitrotoluene	7.190	165	112215	75.485	ppm		95
73) Acenaphthene	7.414	153	465998	72.537	ppm		99
74) 3-Nitroaniline	7.361	138	142466	87.027	ppm		96
75) 2,4-Dinitrophenol	7.468	184	67263	79.893	ppm		83
76) Dibenzofuran	7.585	168	639834	76.308	ppm		100
77) 2,4-Dinitrotoluene	7.585	165	157003	74.768	ppm		99
78) 4-Nitrophenol	7.553	65	81188	76.291	ppm	#	78
79) Pentachlorobenzene	7.537	250	216546	73.312	ppm		99
80) 1-Napthylamine	7.671	143	336347	83.057	ppm		95
81) 2-Napthylamine	7.746	143	355625	70.724	ppm		99
82) 2,3,4,6-Tetrachlorophenol	7.708	232	124278	73.953	ppm		94
83) Fluorene	7.922	166	499097	73.459	ppm		99
84) 4-Chlorophenyl-phenyle...	7.922	204	240231	78.481	ppm		97
85) Diethylphthalate	7.815	149	517021	71.136	ppm		100
86) 4-Nitroaniline	7.965	138	145636	83.738	ppm		97
87) 5-Nitro-o-toluidine	7.949	152	156489	79.708	ppm		90
89) Sulfotepp	8.195	322	84673	81.158	ppm		96
90) Octachlorocyclopentene	8.158	307	109646	79.483	ppm		95
92) Thionazin	7.896	107	82018	78.355	ppm		96
93) 4,6-Dinitro-2-methylph...	7.987	198	98911	78.189	ppm		97
94) Diphenylamine	8.045	169	814927	157.250	ppm		99
95) 1,2 Diphenylhydrazine	8.078	77	515490	77.799	ppm		99
96) N-Nitrosodiphenylamine	8.045	169	814927	157.237	ppm		99
97) 1,3,5-Trinirobenzene	8.350	213	49331	79.435	ppm		99
98) Diallate	8.318	86	185137	77.084	ppm		92

1st DM 04/11/19
2nd BA 04/11/19

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR287.D
Acq On : 14 Mar 2019 6:00 pm
Operator : J.Misiurewicz
Sample : ICV
Misc : Initial Calibration 8270D/625
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 11 12:02:09 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Thu Apr 11 11:28:20 2019
Response via : Initial Calibration

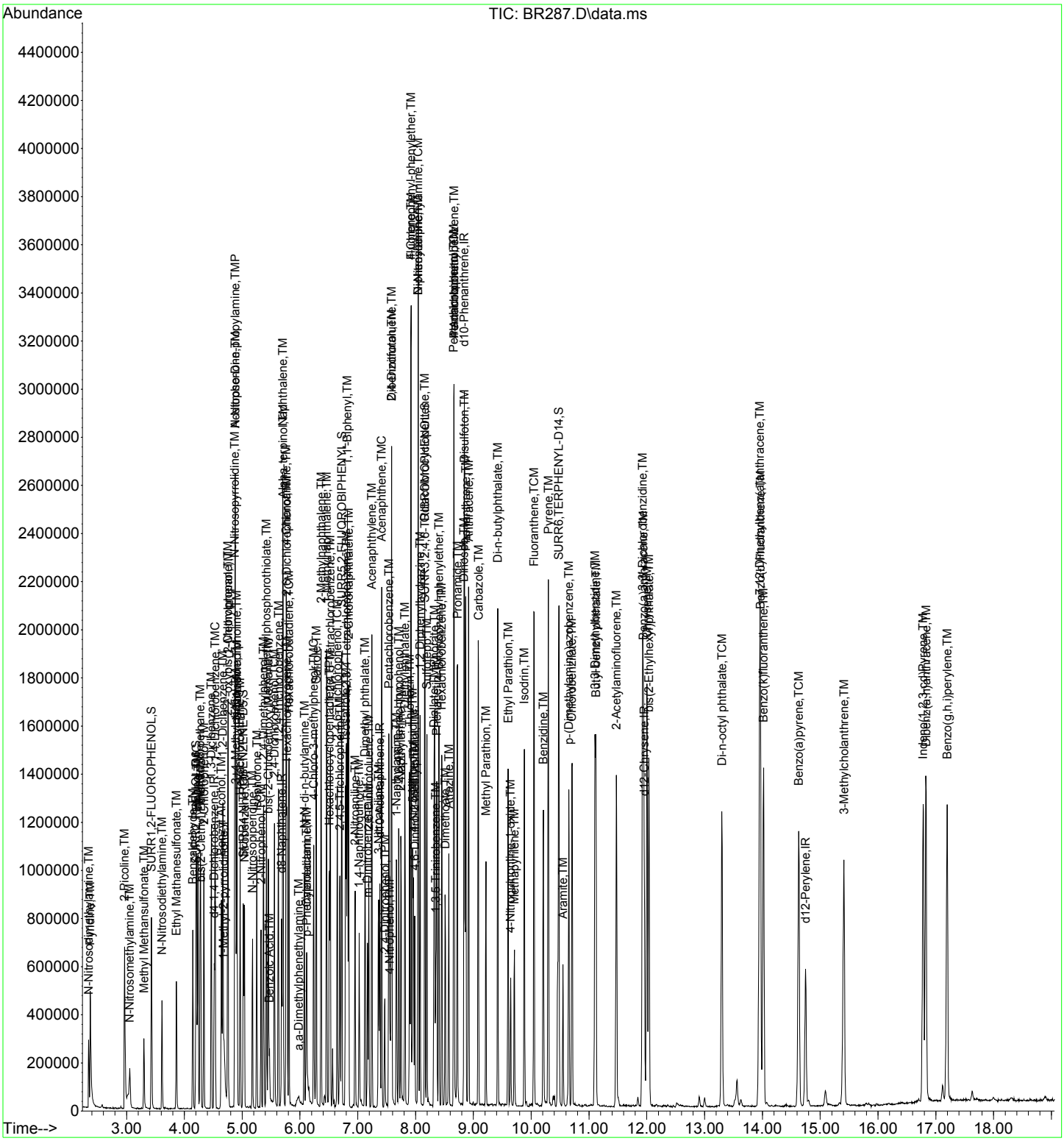
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
99) Phorate	8.329	121	102704	83.194	ppm	98
100) Phenacetin	8.366	108	276585	85.131	ppm	98
101) 4-Bromophenyl-phenylether	8.404	248	153657	79.755	ppm	98
102) Hexachlorobenzene	8.452	284	181430	74.041	ppm	92
103) Dimethoate	8.511	87	148530	73.828	ppm	95
104) Atrazine	8.575	215	55245	95.870	ppm	96
105) Pentachlorophenol	8.661	266	114968	85.805	ppm	95
106) 4-Aminobiphenyl	8.666	169	393575	78.000	ppm	97
107) Pentachloronitrobenzene	8.666	237	78782	75.553	ppm	93
108) Pronamide	8.725	173	286743	84.713	ppm	98
109) Dinoseb	8.837	211	136552	76.339	ppm	98
110) Disulfoton	8.848	88	265639	82.251	ppm	97
111) Phenanthrene	8.869	178	731251	73.261	ppm	99
112) Anthracene	8.917	178	728907	74.378	ppm	98
113) Carbazole	9.088	167	741881	79.863	ppm	97
114) Di-n-butylphthalate	9.420	149	950213	73.726	ppm	99
115) 4-Nitroquinonline-1-oxide	9.645	190	53058	76.878	ppm	95
116) Fluoranthene	10.051	202	844712	77.101	ppm	99
118) Methyl Parathion	9.217	109	141608	75.598	ppm	98
119) Ethyl Parathion	9.602	97	135936	85.291	ppm	99
120) Methapyrilene	9.709	58	146808	112.023	ppm	94
121) Isodrin	9.880	193	86962	78.192	ppm	94
122) Benzidine	10.212	184	485758	86.550	ppm	98
123) Pyrene	10.297	202	885536	77.490	ppm	99
125) Aramite	10.549	185	97847m	82.486	ppm	
126) p-(Dimethylamino)azobe...	10.650	120	234470	83.452	ppm	91
127) Chlorobenzilate	10.704	139	302576	84.824	ppm	96
128) Butyl benzyl phthalate	11.121	149	441295	76.968	ppm	98
129) 3,3-Dimethylbenzidine	11.105	212	515545	84.052	ppm	99
130) 2-Acetylaminofluorene	11.474	181	392607	87.101	ppm	97
131) 3,3'-Dichlorobenzidine	11.929	252	355026	81.658	ppm	99
132) Benzo(a)anthracene	11.939	228	824432	76.111	ppm	99
133) Chrysene	12.003	228	792691	77.049	ppm	99
134) bis(2-Ethylhexyl)phtha...	12.035	149	608967	73.575	ppm	98
136) Di-n-octyl phthalate	13.298	149	1029290	74.422	ppm	100
137) 7,12-Dimethylbenz(a)an...	13.956	256	423790	81.851	ppm	100
138) Benzo(b)Fluoranthene	13.966	252	907462	76.402	ppm	96
139) Benzo(k)fluoranthene	14.020	252	851088	76.766	ppm	97
140) Benzo(a)pyrene	14.630	252	783027	79.122	ppm	97
141) 3-Methylcholanthrene	15.410	268	447952	77.573	ppm	97
142) Indeno(1,2,3-cd)Pyrene	16.780	276	781415	77.174	ppm	99
143) Dibenz(a,h)anthracene	16.833	278	809752	75.076	ppm	98
144) Benzo(g,h,i)perylene	17.197	276	801412	89.999	ppm	96

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

1st DM 04/11/19
2nd BA 04/11/19

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR287.D
Acq On : 14 Mar 2019 6:00 pm
Operator : J.Misiurewicz
Sample : ICV
Misc : Initial Calibration 8270D/625
ALS Vial : 13 Sample Multiplier: 1

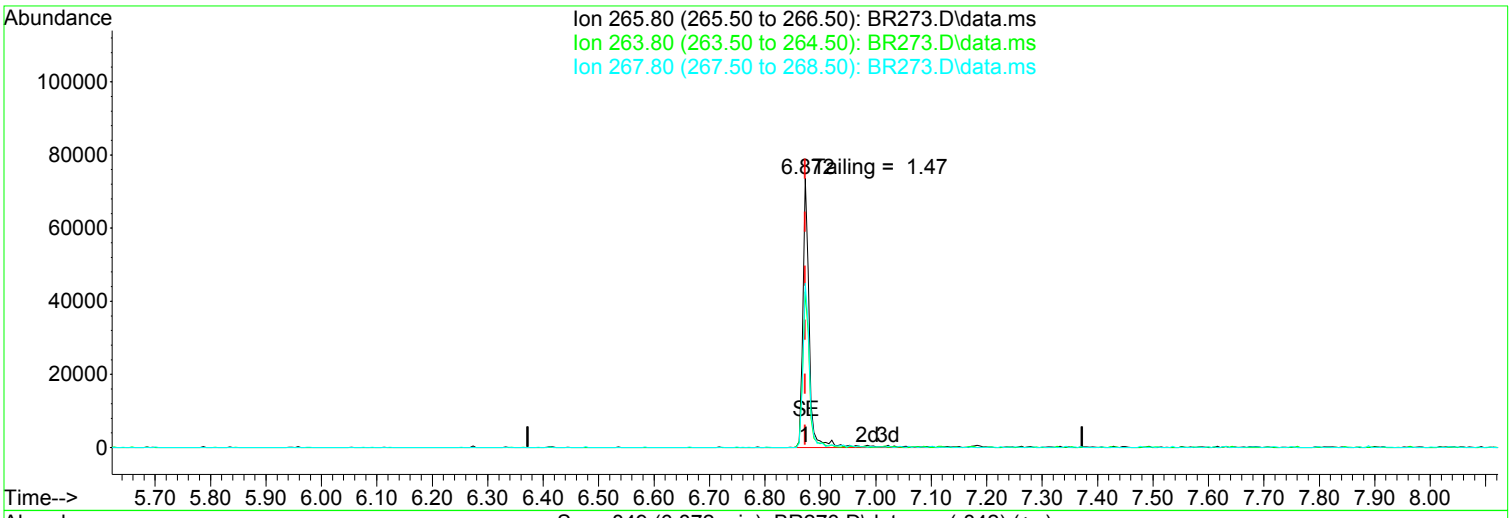
Quant Time: Apr 11 12:02:09 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Thu Apr 11 11:28:20 2019
Response via : Initial Calibration

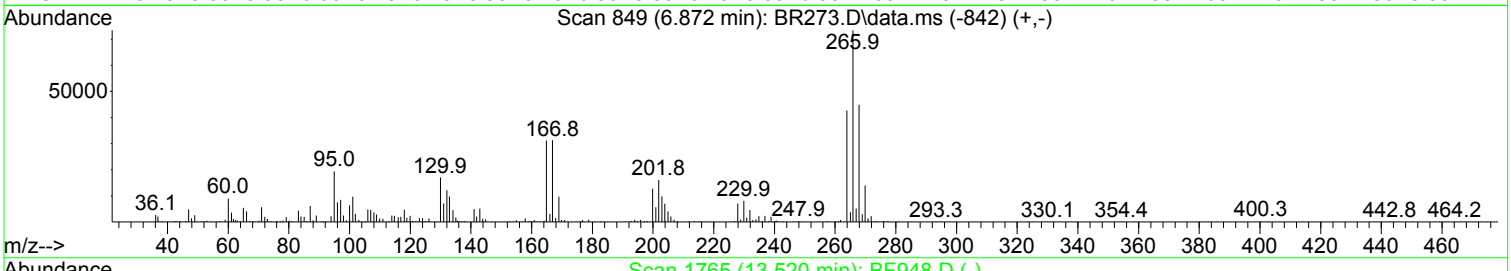


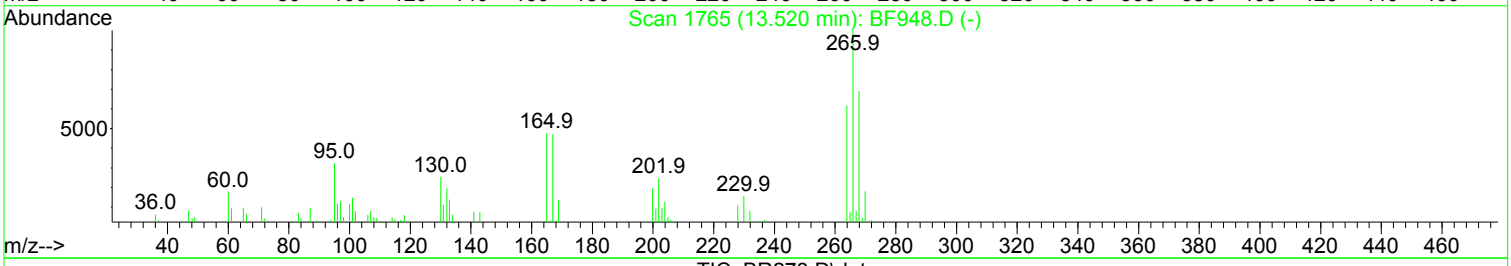
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR273.D
Acq On : 14 Mar 2019 8:32 am
Operator : J.Misiurewicz
Sample : TUNE
Misc : 50 ng DFTPP
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 14 09:05:57 2019
Quant Method : I:\ACQUDATA\5973D\Methods\TUNED.M
Quant Title : TUNE CHECK
QLast Update : Fri Feb 01 11:56:36 2019
Response via : Initial Calibration







TIC: BR273.D\data.ms

(5) Pentachlorophenol (TCM)

6.872min (+ 0.000) 51.36 ppm

response 57506

Ion	Exp%	Act%
265.80	100.00	100.00
263.80	63.50	57.87
267.80	64.20	61.11
0.00	0.00	0.00

Manual Integration:

After

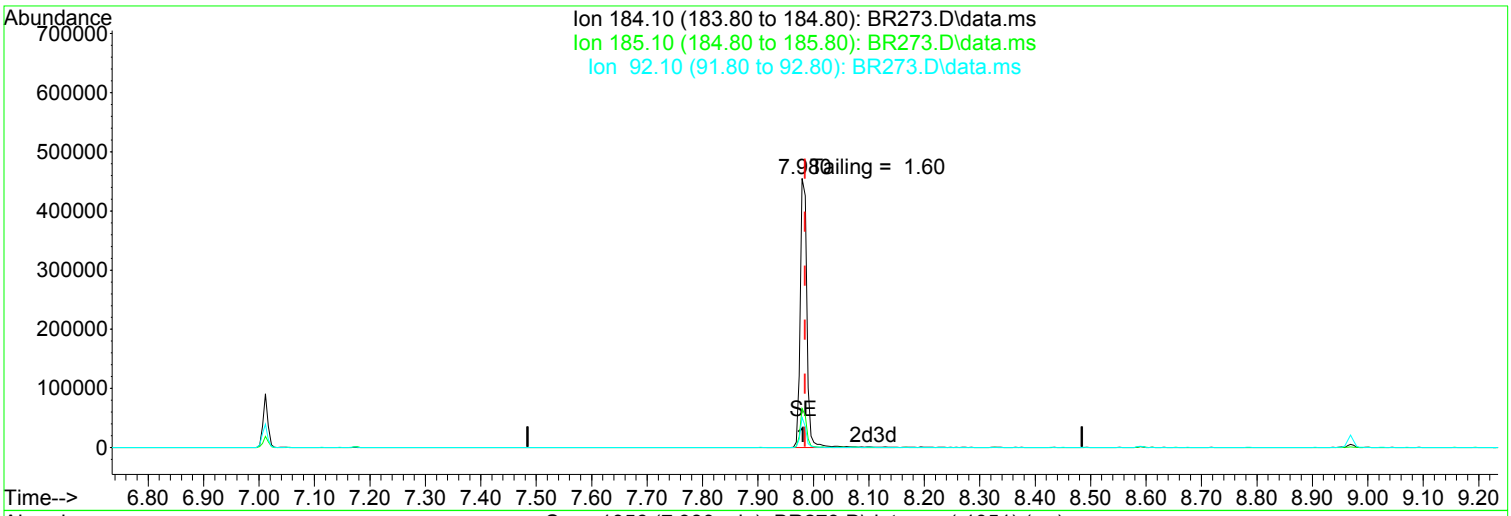
Other - Tailing

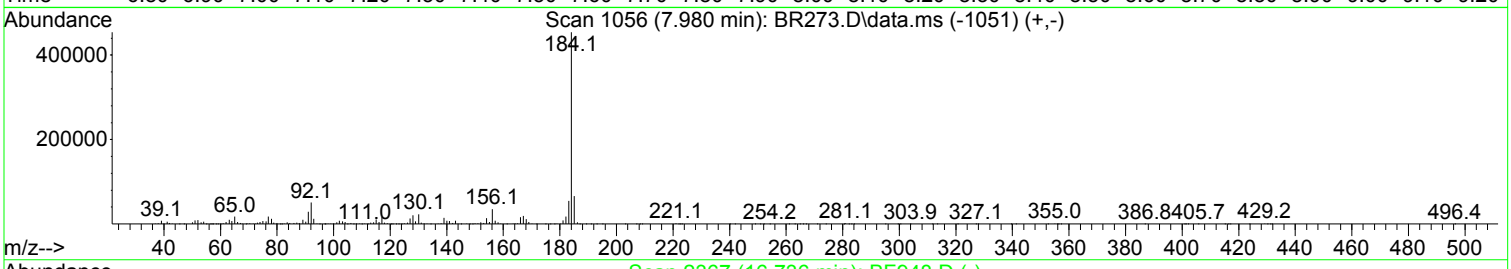
04/11/19

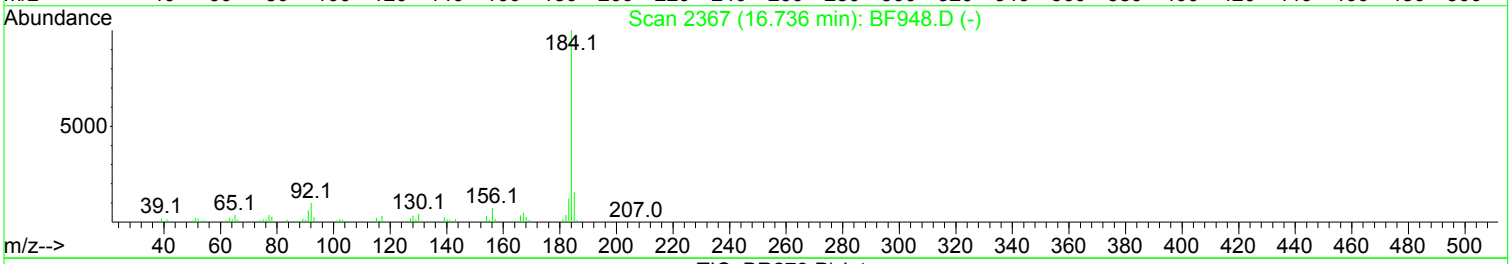
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR273.D
Acq On : 14 Mar 2019 8:32 am
Operator : J.Misiurewicz
Sample : TUNE
Misc : 50 ng DFTPP
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 14 09:05:57 2019
Quant Method : I:\ACQUDATA\5973D\Methods\TUNED.M
Quant Title : TUNE CHECK
QLast Update : Fri Feb 01 11:56:36 2019
Response via : Initial Calibration







TIC: BR273.D\data.ms

(8) Benzidine (T)

7.980min (-0.005) 49.17 ppm

response 372856

Ion	Exp%	Act%
184.10	100.00	100.00
185.10	14.80	14.50
92.10	10.10	11.18
0.00	0.00	0.00

Manual Integration:

After

Other - Tailing

04/11/19

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR273.D
Acq On : 14 Mar 2019 8:32 am
Operator : J.Misiurewicz
Sample : TUNE
Misc : 50 ng DFTPP
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 14 09:05:57 2019
Quant Method : I:\ACQUDATA\5973D\Methods\TUNED.M
Quant Title : TUNE CHECK
QLast Update : Fri Feb 01 11:56:36 2019
Response via : Initial Calibration

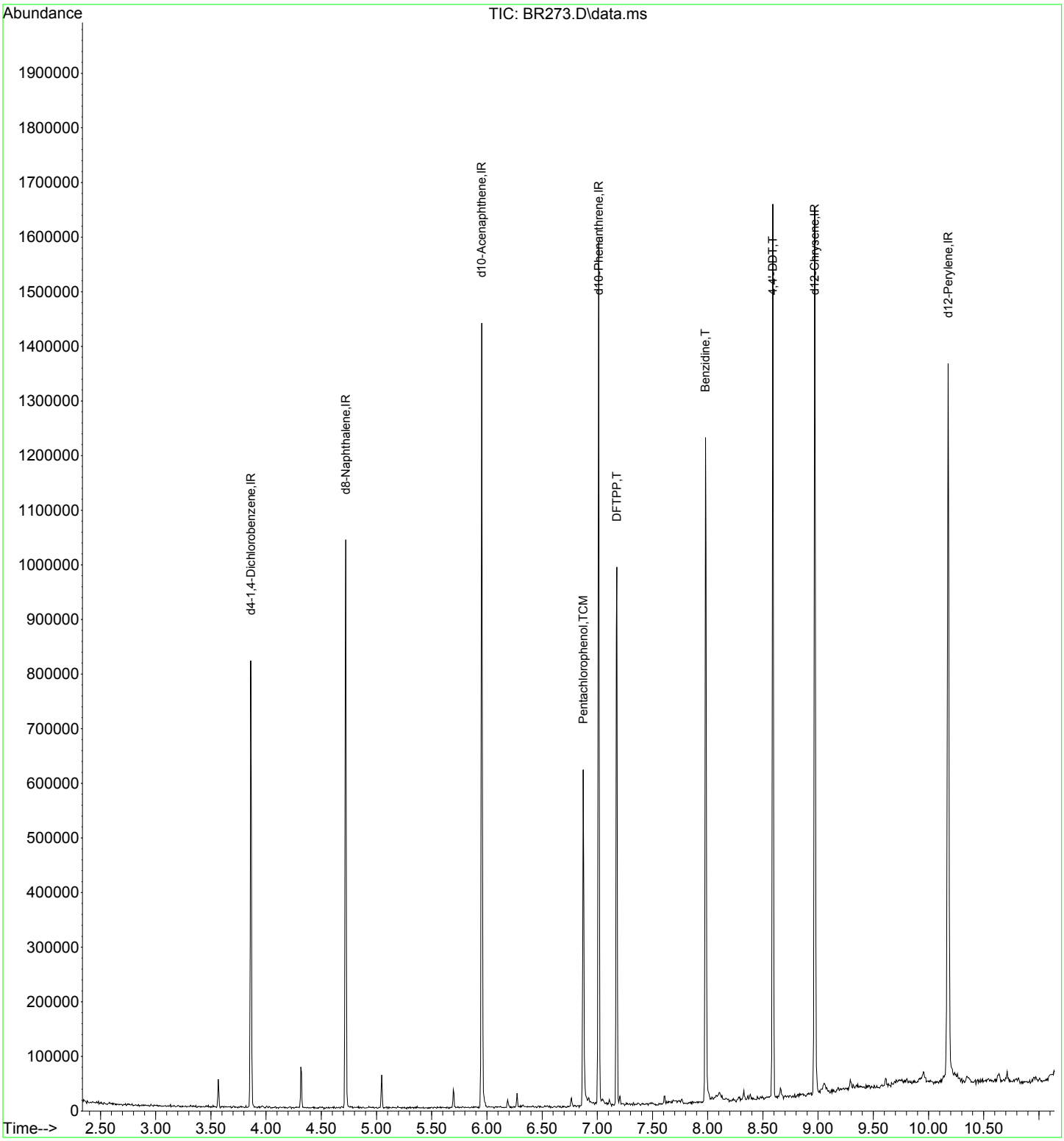
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	3.861	152	94182	40.00	ppm	0.00
2) d8-Naphthalene	4.722	136	359399	40.00	ppm	0.00
3) d10-Acenaphthene	5.952	164	213122	40.00	ppm	0.00
4) d10-Phenanthrene	7.011	188	393025	40.00	ppm	0.00
7) d12-Chrysene	8.969	240	427693	40.00	ppm	0.00
12) d12-Perylene	10.178	264	466422	40.00	ppm	0.00
Target Compounds						Qvalue
5) Pentachlorophenol	6.872	266	57506	51.361	ppm	94
6) DFTPP	7.177	198	66741	49.691	ppm	84
8) Benzidine	7.980	184	372856	49.166	ppm	98
9) 4,4'-DDE	7.177	246	2496	N.D.		
10) 4,4'-DDD	0.000		0	N.D.	d	
11) 4,4'-DDT	8.589	235	204445	49.857	ppm	94

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR273.D
Acq On : 14 Mar 2019 8:32 am
Operator : J.Misiurewicz
Sample : TUNE
Misc : 50 ng DFTPP
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 14 09:05:57 2019
Quant Method : I:\ACQUDATA\5973D\Methods\TUNED.M
Quant Title : TUNE CHECK
QLast Update : Fri Feb 01 11:56:36 2019
Response via : Initial Calibration

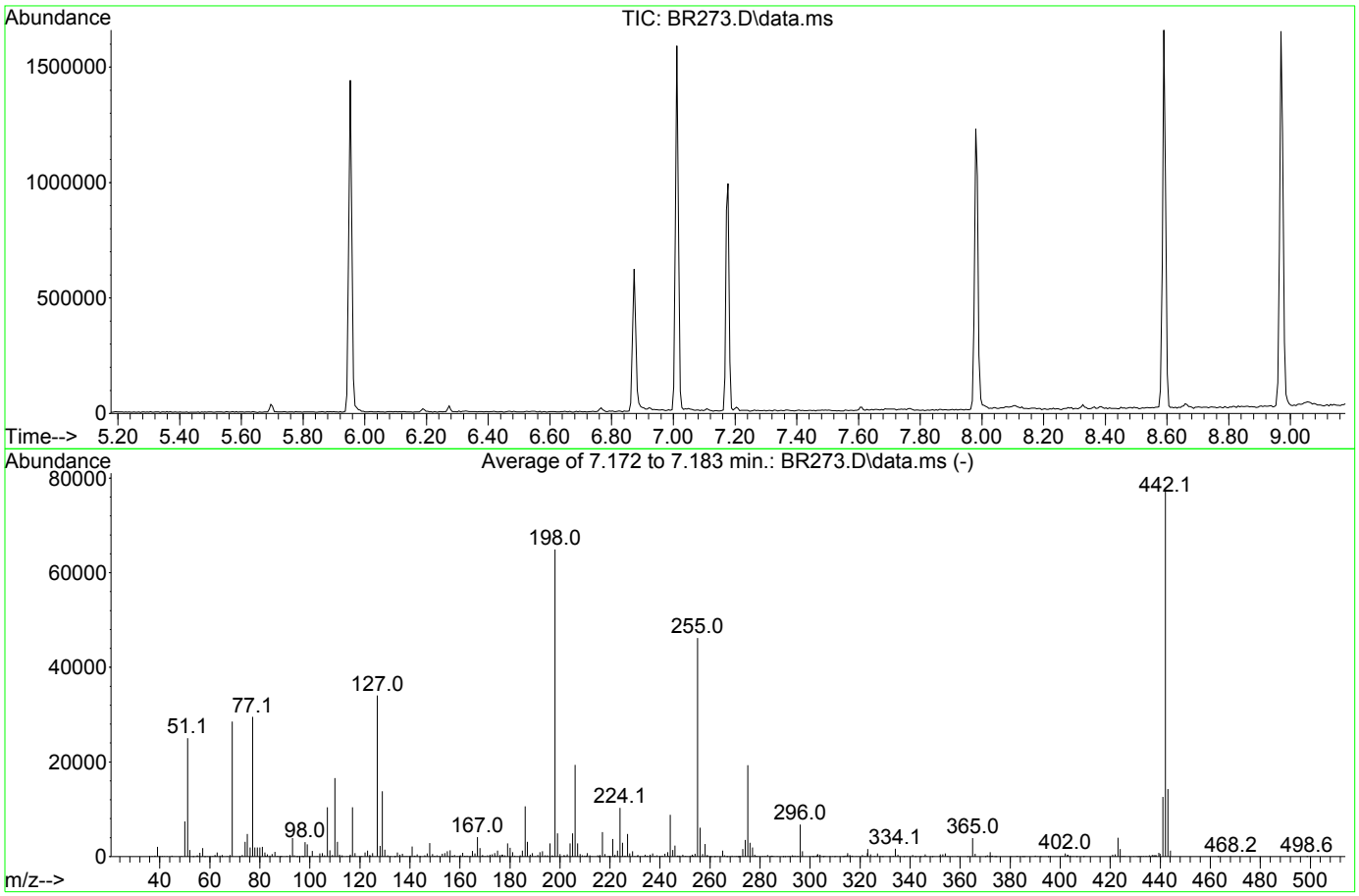


1st DM 04/11/19
2nd BA 04/11/19

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR273.D
Acq On : 14 Mar 2019 8:32 am
Operator : J.Misiurewicz
Sample : TUNE
Misc : 50 ng DFTPP
ALS Vial : 2 Sample Multiplier: 1

Integration File: RTEINT.P

Method : I:\ACQUDATA\5973D\Methods\TUNCHECK.M
Title : TUNE CHECK
Last Update : Wed Sep 19 10:00:53 2018



AutoFind: Scans 905, 906, 907; Background Corrected with Scan 900

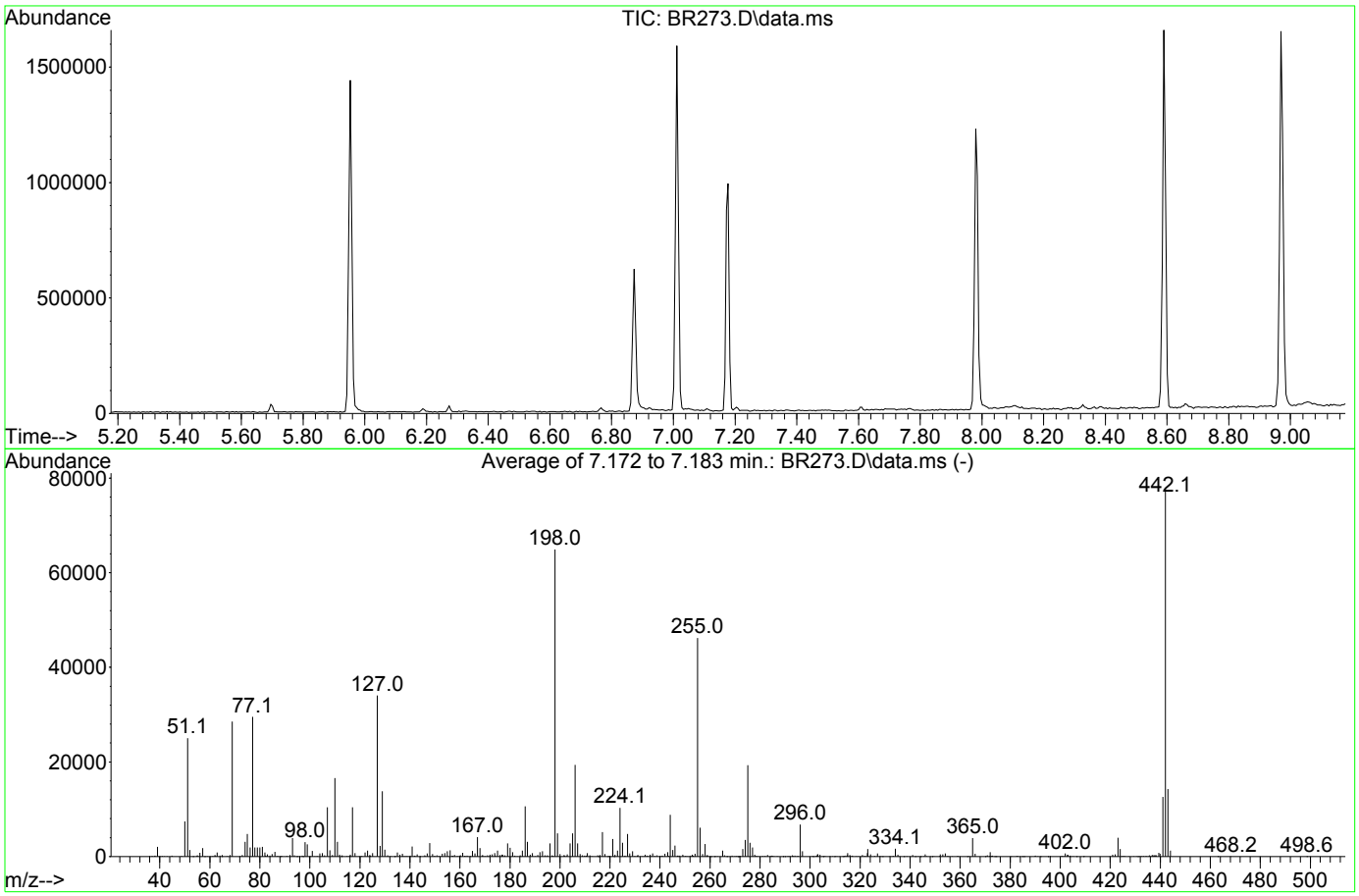
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	38.5	24993	PASS
68	69	0.00	2	1.2	330	PASS
69	198	0.00	100	44.0	28555	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	52.4	34029	PASS
197	198	0.00	1	0.4	240	PASS
198	198	100	100	100.0	64945	PASS
199	198	5	9	7.6	4919	PASS
275	198	10	30	29.8	19341	PASS
365	198	1	500	6.0	3917	PASS
441	443	0.01	100	88.4	12645	PASS
442	198	50	500	118.8	77181	PASS
443	442	17	23	18.5	14302	PASS

1st DM 04/11/19
2nd BA 04/11/19

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR273.D
Acq On : 14 Mar 2019 8:32 am
Operator : J.Misiurewicz
Sample : TUNE
Misc : 50 ng DFTPP
ALS Vial : 2 Sample Multiplier: 1

Integration File: RTEINT.P

Method : I:\ACQUDATA\5973D\Methods\TUNED.M
Title : TUNE CHECK
Last Update : Fri Feb 01 11:56:36 2019



AutoFind: Scans 905, 906, 907; Background Corrected with Scan 900

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	38.5	24993	PASS
68	69	0.00	2	1.2	330	PASS
69	198	0.00	100	44.0	28555	PASS
70	69	0.00	2	0.0	0	PASS
127	198	10	80	52.4	34029	PASS
197	198	0.00	2	0.4	240	PASS
198	198	100	100	100.0	64945	PASS
199	198	5	9	7.6	4919	PASS
275	198	10	60	29.8	19341	PASS
365	198	1	500	6.0	3917	PASS
441	442	0.01	24	16.4	12645	PASS
442	442	100	100	100.0	77181	PASS
443	442	15	24	18.5	14302	PASS

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR278.D
Acq On : 14 Mar 2019 1:45 pm
Operator : J.Misiurewicz
Sample : BLK
Misc : Initial Calibration 8270D/625
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 11 12:01:35 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Thu Apr 11 11:28:20 2019
Response via : Initial Calibration

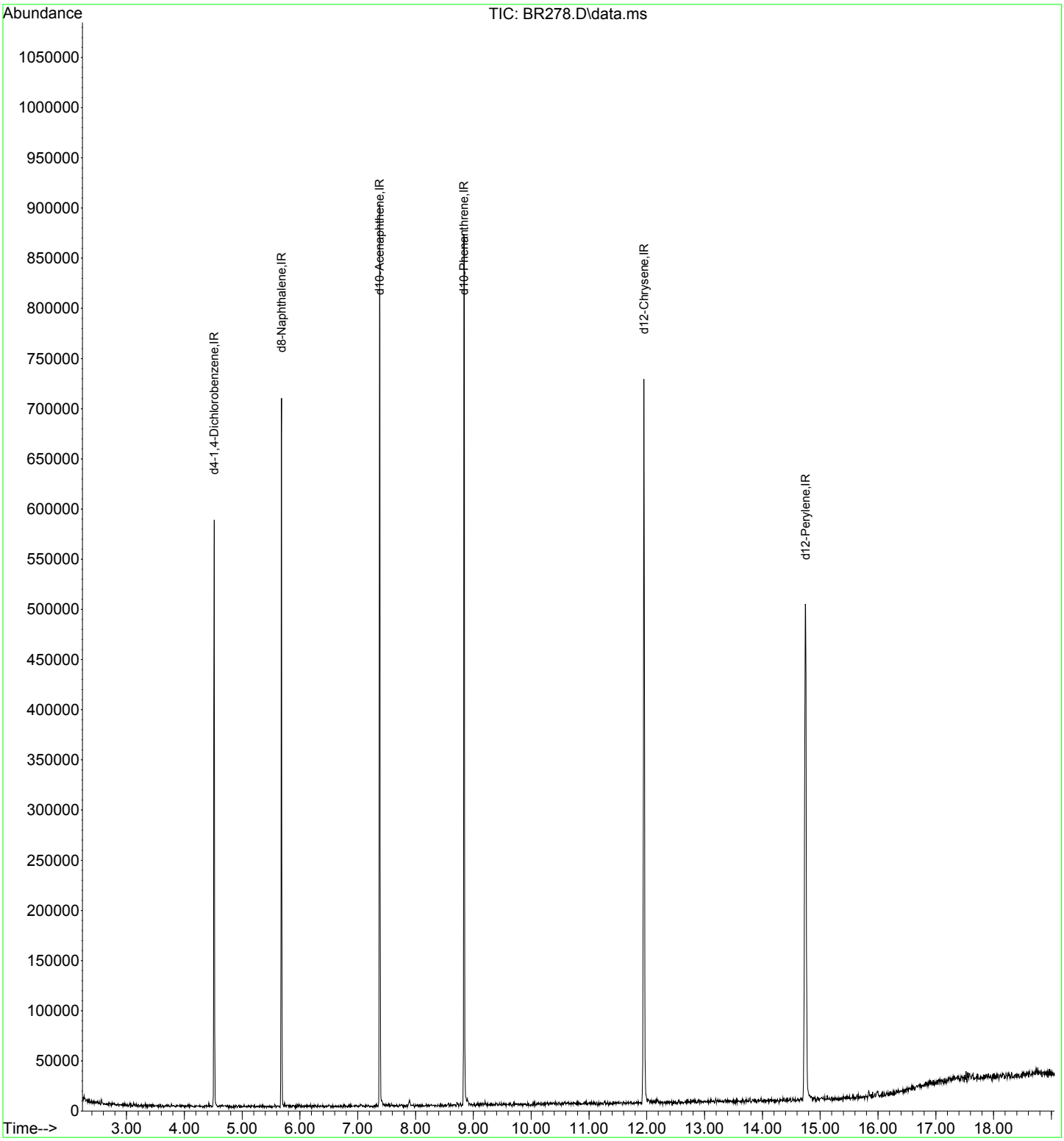
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.515	152	83374	40.00	ppm	0.00
33) d8-Naphthalene	5.681	136	292288	40.00	ppm	0.00
57) d10-Acenaphthene	7.377	164	169686	40.00	ppm	0.00
91) d10-Phenanthrene	8.837	188	297824	40.00	ppm	0.00
117) d12-Chrysene	11.950	240	319278	40.00	ppm	0.00
135) d12-Perylene	14.747	264	344611	40.00	ppm	0.00
System Monitoring Compounds						
7) SURR1,2-FLUOROPHENOL	0.000	112	0	0.00	ppm	
Spiked Amount 200.000	Range 10 - 70		Recovery =	0.00%#		
12) SURR2,PHENOL-D6	0.000	99	0	0.00	ppm	
Spiked Amount 200.000	Range 10 - 107		Recovery =	0.00%#		
34) SURR4,NITROBENZENE-D5	0.000	82	0	0.00	ppm	
Spiked Amount 100.000	Range 31 - 110		Recovery =	0.00%#		
63) SURR5,2-FLUOROBIPHENYL	0.000	172	0	0.00	ppm	
Spiked Amount 100.000	Range 31 - 118		Recovery =	0.00%#		
88) SURR3,2,4,6-TRIBROMOPH...	0.000	330	0	0.00	ppm	
Spiked Amount 200.000	Range 35 - 141		Recovery =	0.00%#		
124) SURR6,TERPHENYL-D14	10.469	244	105	0.01	ppm	0.00
Spiked Amount 100.000	Range 10 - 165		Recovery =	0.01%#		
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR278.D
Acq On : 14 Mar 2019 1:45 pm
Operator : J.Misiurewicz
Sample : BLK
Misc : Initial Calibration 8270D/625
ALS Vial : 4 Sample Multiplier: 1

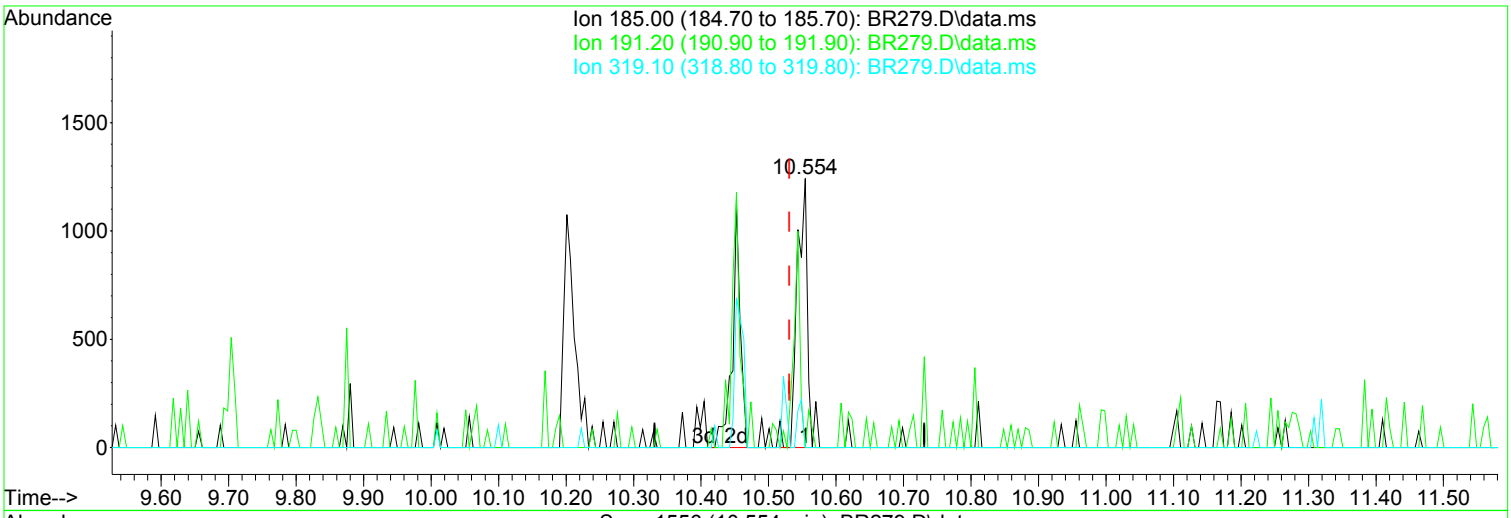
Quant Time: Apr 11 12:01:35 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Thu Apr 11 11:28:20 2019
Response via : Initial Calibration

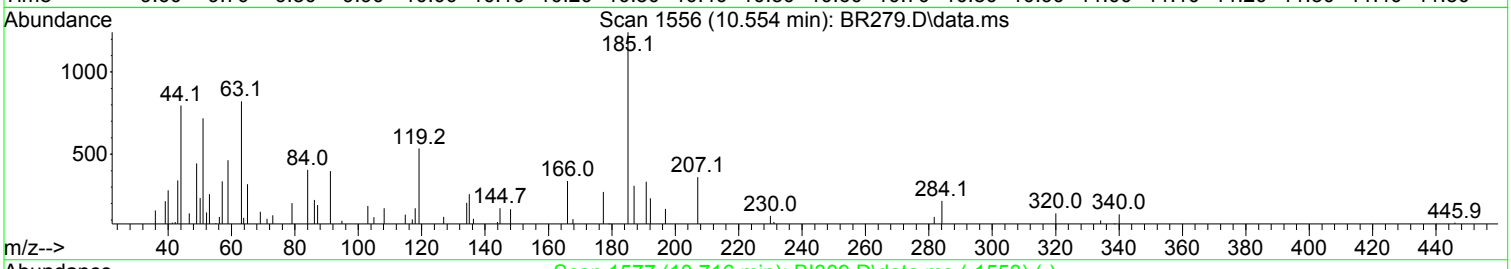


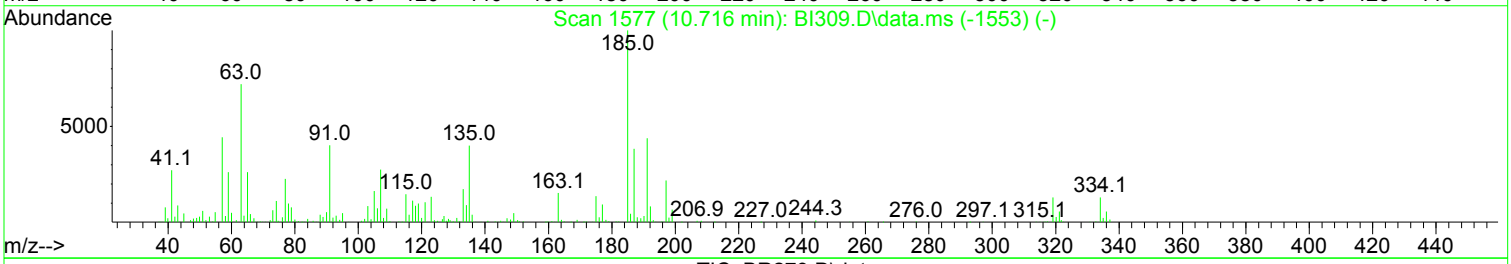
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR279.D
Acq On : 14 Mar 2019 2:14 pm
Operator : J.Misiurewicz
Sample : 2.5 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 11 10:30:39 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Tue Apr 09 13:58:51 2019
Response via : Initial Calibration







TIC: BR279.D\data.ms

(125) Aramite (TM)

10.554min (+ 0.023) 1.93 ppm m

response 2353

Ion	Exp%	Act%
185.00	100.00	100.00
191.20	47.90	0.00#
319.10	17.60	0.00
0.00	0.00	0.00

Manual Integration:

After

Split Peak.

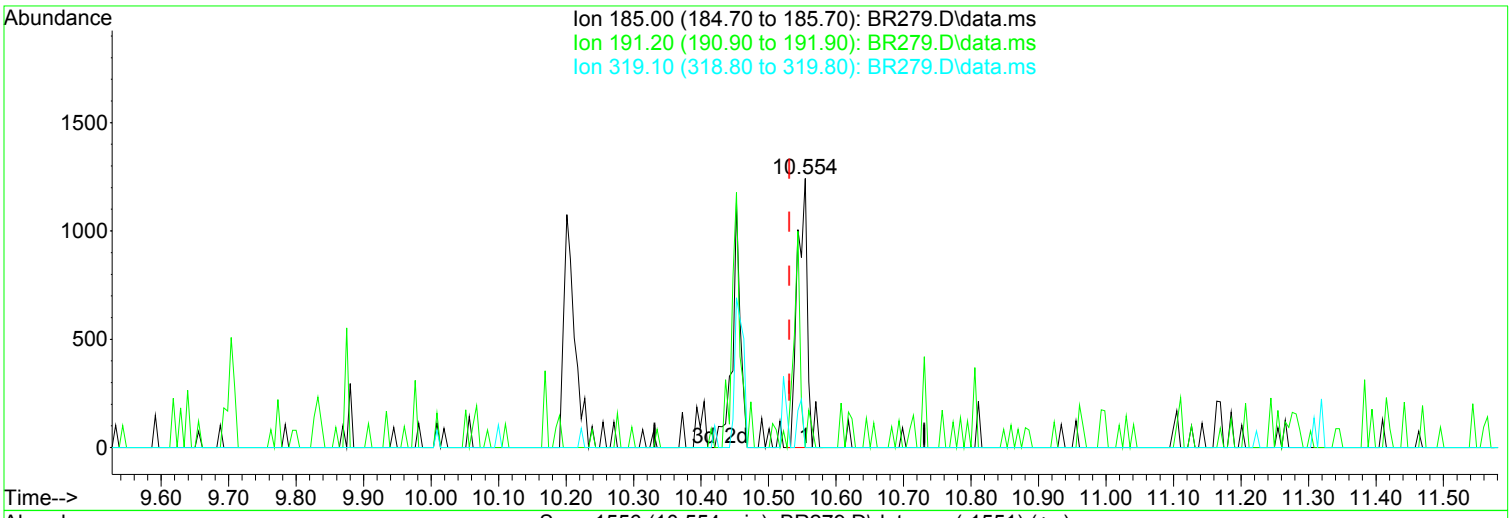
04/11/19

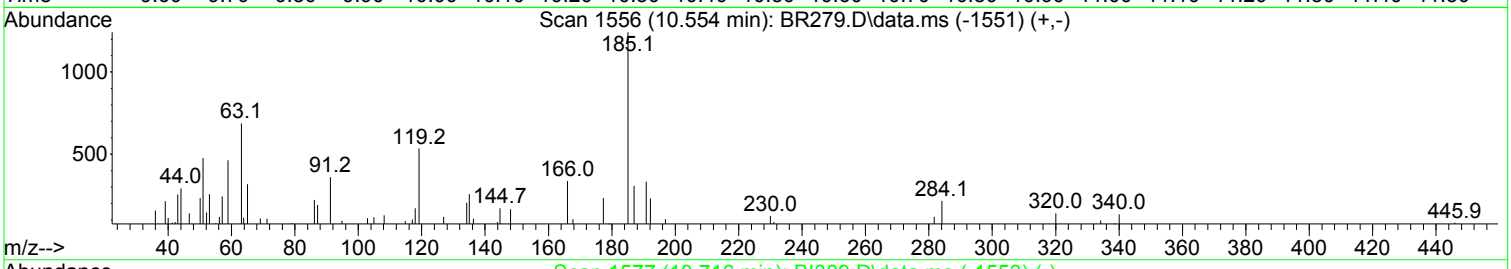
1st DM 04/11/19
2nd BA 04/11/19

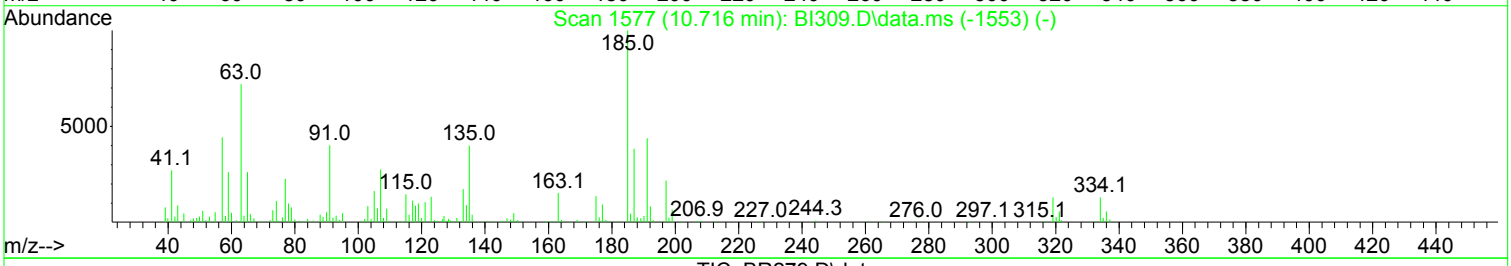
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR279.D
Acq On : 14 Mar 2019 2:14 pm
Operator : J.Misiurewicz
Sample : 2.5 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 11 10:30:39 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Tue Apr 09 13:58:51 2019
Response via : Initial Calibration







TIC: BR279.D\data.ms

(125) Aramite (TM)

10.554min (+ 0.023) 1.07 ppm

response 1297

Ion	Exp%	Act%
185.00	100.00	100.00
191.20	47.90	0.00#
319.10	17.60	0.00
0.00	0.00	0.00

Manual Integration:

Before

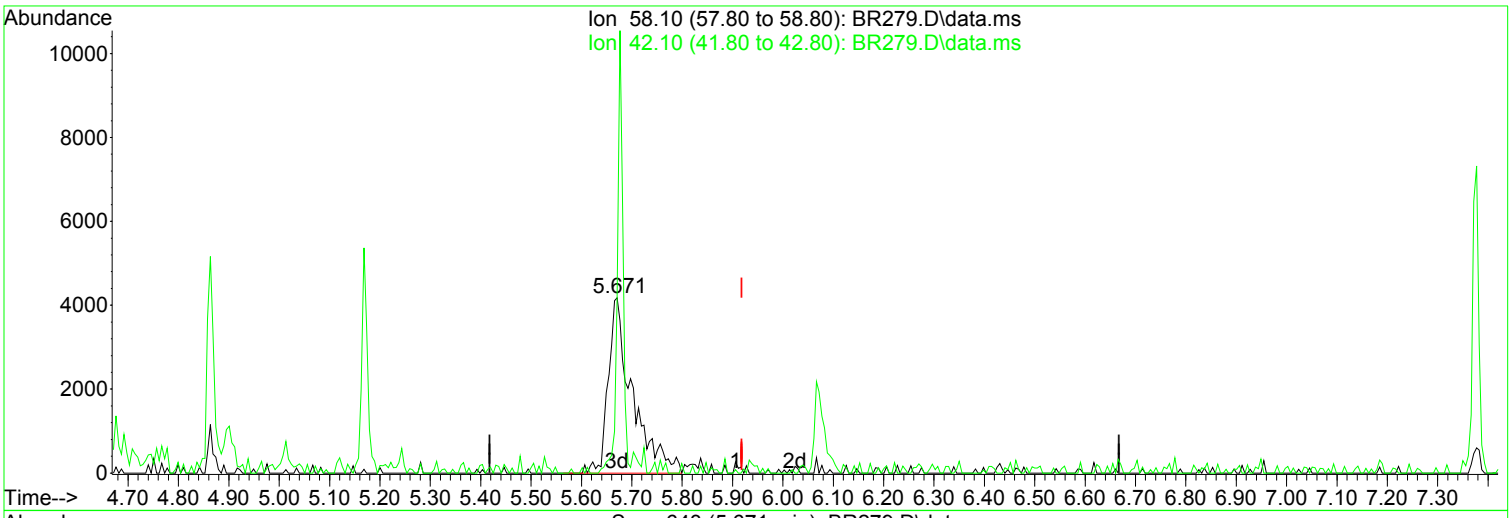
04/11/19

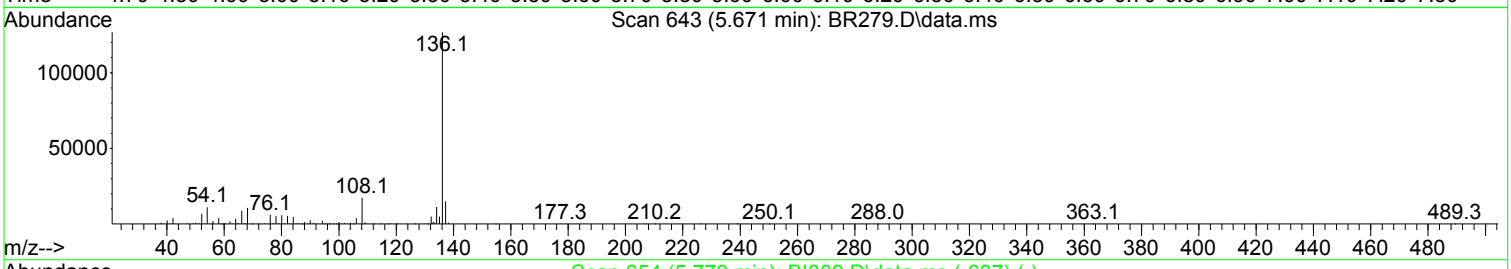
1st DM 04/11/19
2nd BA 04/11/19

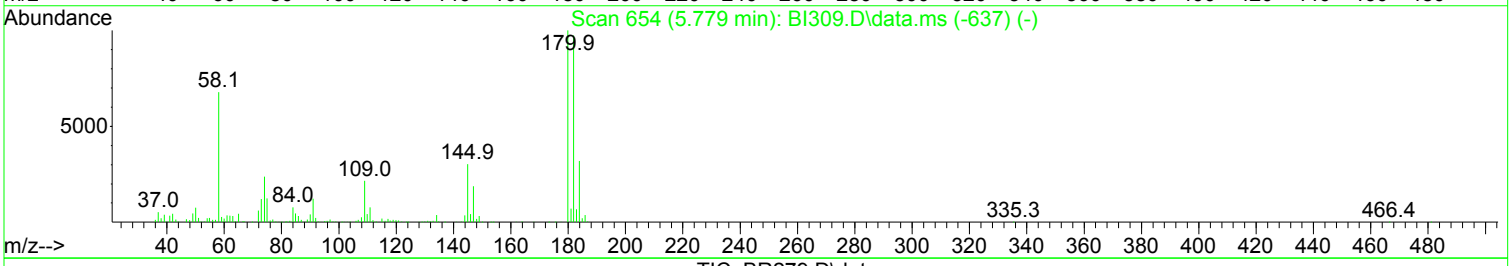
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR279.D
Acq On : 14 Mar 2019 2:14 pm
Operator : J.Misiurewicz
Sample : 2.5 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 11 10:30:39 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Tue Apr 09 13:58:51 2019
Response via : Initial Calibration







TIC: BR279.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

5.671min (-0.247) 2.37 ppm m

response 13930

Ion	Exp%	Act%
58.10	100.00	100.00
42.10	6.70	100.57#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

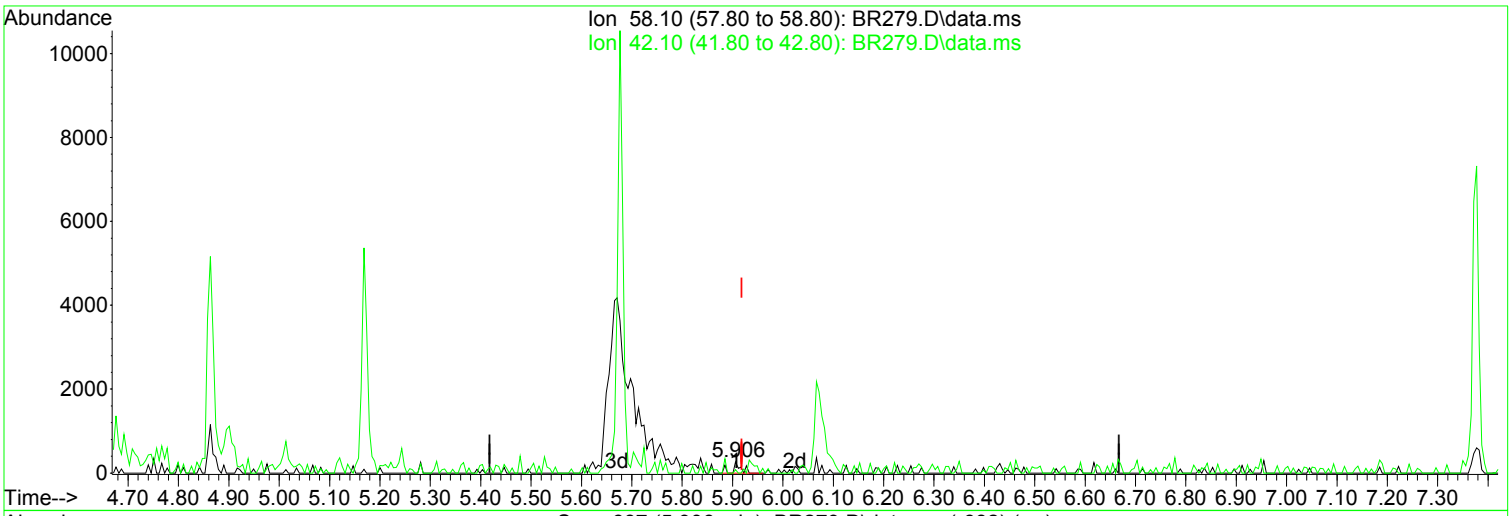
Peak not found.

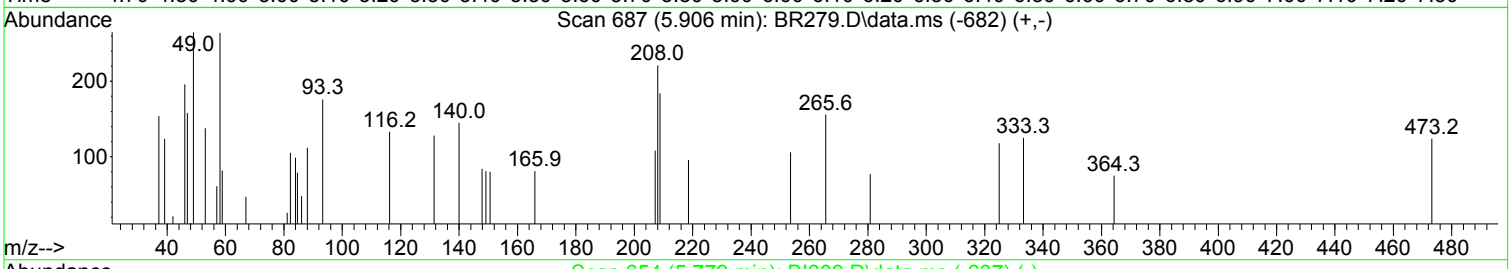
04/11/19

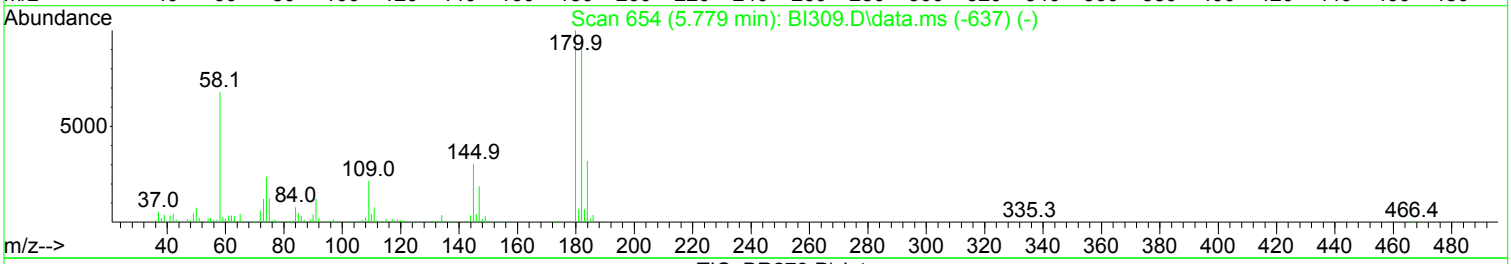
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR279.D
Acq On : 14 Mar 2019 2:14 pm
Operator : J.Misiurewicz
Sample : 2.5 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 11 10:30:39 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Tue Apr 09 13:58:51 2019
Response via : Initial Calibration







TIC: BR279.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

5.906min (-0.012) 0.05 ppm

response 282

Ion	Exp%	Act%
58.10	100.00	100.00
42.10	6.70	6.21
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

04/11/19

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR279.D
Acq On : 14 Mar 2019 2:14 pm
Operator : J.Misiurewicz
Sample : 2.5 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 11 10:30:39 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Tue Apr 09 13:58:51 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) d4-1,4-Dichlorobenzene	4.515	152	80747	40.00	ppm		0.00
33) d8-Naphthalene	5.676	136	303273	40.00	ppm		0.00
57) d10-Acenaphthene	7.377	164	173563	40.00	ppm		0.00
91) d10-Phenanthrene	8.837	188	317587	40.00	ppm		0.00
117) d12-Chrysene	11.950	240	333368	40.00	ppm		0.00
135) d12-Perylene	14.742	264	350071	40.00	ppm		0.00
System Monitoring Compounds							
7) SURR1,2-FLUOROPHENOL	3.430	112	6568	2.31	ppm		0.00
Spiked Amount 200.000	Range 10 - 70		Recovery = 1.16%#				
12) SURR2,PHENOL-D6	4.195	99	7634	2.17	ppm		0.00
Spiked Amount 200.000	Range 10 - 107		Recovery = 1.09%#				
34) SURR4,NITROBENZENE-D5	5.013	82	7688	2.46	ppm		0.00
Spiked Amount 100.000	Range 31 - 110		Recovery = 2.46%#				
63) SURR5,2-FLUOROBIPHENYL	6.719	172	15183	2.23	ppm		0.00
Spiked Amount 100.000	Range 31 - 118		Recovery = 2.23%#				
88) SURR3,2,4,6-TRIBROMOPH...	8.158	330	2582	2.05	ppm		0.00
Spiked Amount 200.000	Range 35 - 141		Recovery = 1.02%#				
124) SURR6,TERPHENYL-D14	10.474	244	19713	2.36	ppm		0.00
Spiked Amount 100.000	Range 10 - 165		Recovery = 2.36%#				
Target Compounds							Qvalue
2) Pyridine	2.440	79	5156	1.923	ppm		64
3) N-Nitrosodimethylamine	2.381	74	3864	2.370	ppm		72
4) 2-Picoline	3.002	93	5829	2.096	ppm		75
5) N-Nitrosomethylamine	3.071	42	3803	2.768	ppm	#	49
6) Methyl Methansulfonate	3.307	80	2871	2.237	ppm		73
8) N-Nitrosodiethylamine	3.617	102	2726	2.142	ppm		64
9) Ethyl Mathanesulfonate	3.863	79	5442	2.302	ppm		91
10) Benzaldehyde	4.146	106	8254	4.855	ppm		89
11) Aniline	4.232	93	10104	2.142	ppm		88
13) Phenol	4.211	94	7360	2.010	ppm		78
14) bis(2-Clethyl)Ether	4.280	93	5075	2.072	ppm	#	70
15) Pentachloroethane	4.275	117	3074	2.591	ppm		88
16) 2-Chlorophenol	4.339	128	6976	2.254	ppm	#	72
17) 1,3-Diclbenzene	4.462	146	7691	2.245	ppm		89
18) 1,4-Dichlorobenzene	4.532	146	7930	2.276	ppm		91
19) 1,2-Diclbenzene	4.660	146	8016	2.386	ppm		92
20) Benzyl Alcohol	4.639	79	3698	1.607	ppm		90
21) 1-Methyl-2-pyrrolidinone	4.676	99	4382	2.294	ppm	#	84
22) 2,2'-oxybis(1-Chloropr...	4.751	45	6069	2.390	ppm	#	61
23) 2-Methylphenol	4.735	108	5652	2.105	ppm		83
24) 3+4-Methylphenol	4.879	108	6805	2.189	ppm		87
25) Acetophenone	4.874	105	9552	2.340	ppm		89
26) N-Nitroso-Di-n-propyla...	4.863	70	5045	2.360	ppm		99
27) N-Nitrosopyrrolidine	4.863	100	3492	2.314	ppm	#	72
28) N-Nitrosomorpholine	4.895	56	3696	2.327	ppm		85
29) o-Toluidine	4.901	106	9751	2.216	ppm		94
30) Hexachloroethane	4.965	117	2953	2.115	ppm		94
31) o,o,o-Triethylphosphor...	5.414	198	3360	2.230	ppm		61
32) Alpha-terpinol	5.703	121	2420	2.256	ppm		97
35) Nitrobenzene	5.034	77	7060	2.220	ppm		96
36) N-Nitrosopiperidine	5.168	42	4219	2.335	ppm		79
37) Isophorone	5.243	82	11249	2.090	ppm		92
38) 2-Nitrophenol	5.323	139	3355	2.001	ppm		78

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR279.D
Acq On : 14 Mar 2019 2:14 pm
Operator : J.Misiurewicz
Sample : 2.5 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 11 10:30:39 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Tue Apr 09 13:58:51 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
40) 2,4-Dimethylphenol	5.361	107	6240	2.046	ppm		86
41) bis(-2-Chloroethoxy)Me...	5.446	93	7430	2.316	ppm		99
42) 2,4-Dichlorophenol	5.558	162	4836	1.886	ppm	#	68
43) a,a-Dimethylphenethyla...	5.671	58	13930m	2.368	ppm		
44) 1,2,4-Trichlorobenzene	5.623	180	7281	2.525	ppm		96
45) Naphthalene	5.698	128	20726	2.302	ppm		97
46) 4-Chloroaniline	5.762	127	8992	2.460	ppm		83
47) 2,6-Dichlorophenol	5.762	162	5497	2.026	ppm		87
48) Hexachlorobutadiene	5.805	225	4063	2.282	ppm		95
49) Hexachloropropene	5.778	213	5117	2.192	ppm		86
50) 4-Chloro-3-methylphenol	6.232	107	5227	2.123	ppm		85
51) N-N-di-n-butylamine	6.067	84	6001	2.716	ppm		86
52) Caprolactam	6.083	113	1788	2.108	ppm		86
53) p-Phenylenediamine	6.125	80	895	1.854	ppm	#	37
54) Safrole	6.281	162	5716	2.430	ppm		67
55) 2-Methylnaphthalene	6.361	142	14658	2.385	ppm		90
56) 1-Methylnaphthalene	6.457	142	13586	2.346	ppm		96
58) Hexachlorocyclopentadiene	6.505	237	1908	2.488	ppm		76
59) 1,2,4,5-Tetrachloroben...	6.521	216	7545	2.457	ppm		90
60) 1,2,3,4-Tetrachloroben...	6.799	216	7111	2.219	ppm		87
61) 2,4,6-Trichlorophenol	6.644	196	3696	2.018	ppm	#	81
62) 2,4,5-Trichlorophenol	6.687	196	4589	2.287	ppm	#	73
64) Isosafrole	6.783	104	2127	1.845	ppm		74
65) 1,1'-Biphenyl	6.815	154	20341	2.605	ppm		89
66) 2-Chloronaphthalene	6.837	162	12530	2.188	ppm		96
67) 2-Nitroaniline	6.944	65	3145	2.064	ppm		85
68) 1,4-Naphthoquinone	7.019	158	2933	1.786	ppm		72
69) m-Dinitrobenzene	7.163	168	2071	2.008	ppm	#	50
70) Acenaphthylene	7.238	152	21310	2.311	ppm		97
71) Dimethyl phthalate	7.120	163	16116	2.324	ppm		99
72) 2,6-Dinitrotoluene	7.184	165	3138	2.104	ppm		90
73) Acenaphthene	7.409	153	14819	2.299	ppm		98
74) 3-Nitroaniline	7.356	138	3491	2.125	ppm	#	66
76) Dibenzofuran	7.580	168	18460	2.194	ppm		92
77) 2,4-Dinitrotoluene	7.580	165	4679	2.220	ppm	#	65
79) Pentachlorobenzene	7.537	250	6309	2.128	ppm		93
80) 1-Napthylamine	7.660	143	9390	2.311	ppm		97
81) 2-Napthylamine	7.741	143	11284	2.236	ppm		100
82) 2,3,4,6-Tetrachlorophenol	7.709	232	2545	1.509	ppm	#	50
83) Fluorene	7.917	166	14970	2.196	ppm		95
84) 4-Chlorophenyl-phenyle...	7.917	204	7263	2.364	ppm		85
85) Diethylphthalate	7.810	149	16917	2.319	ppm		96
86) 4-Nitroaniline	7.955	138	3271	1.935	ppm		95
87) 5-Nitro-o-toluidine	7.939	152	3844	2.006	ppm	#	30
89) Sulfotepp	8.190	322	2236	2.136	ppm		88
90) Octachlorocyclopentene	8.158	307	3118	2.252	ppm		76
92) Thionazin	7.885	107	2764	2.560	ppm		77
93) 4,6-Dinitro-2-methylph...	7.976	198	1453	1.114	ppm		91
94) Diphenylamine	8.035	169	24960	4.670	ppm		93
95) 1,2 Diphenylhydrazine	8.072	77	15992	2.340	ppm		90
96) N-Nitrosodiphenylamine	8.035	169	24960	4.669	ppm		93
98) Diallate	8.313	86	5917	2.389	ppm		95
99) Phorate	8.324	121	3152	2.475	ppm	#	70
100) Phenacetin	8.345	108	6797	2.028	ppm		91
101) 4-Bromophenyl-phenylether	8.399	248	4686	2.358	ppm		87
102) Hexachlorobenzene	8.452	284	6473	2.561	ppm		98

1st DM 04/11/19
2nd BA 04/11/19

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR279.D
Acq On : 14 Mar 2019 2:14 pm
Operator : J.Misiurewicz
Sample : 2.5 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 11 10:30:39 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Tue Apr 09 13:58:51 2019
Response via : Initial Calibration

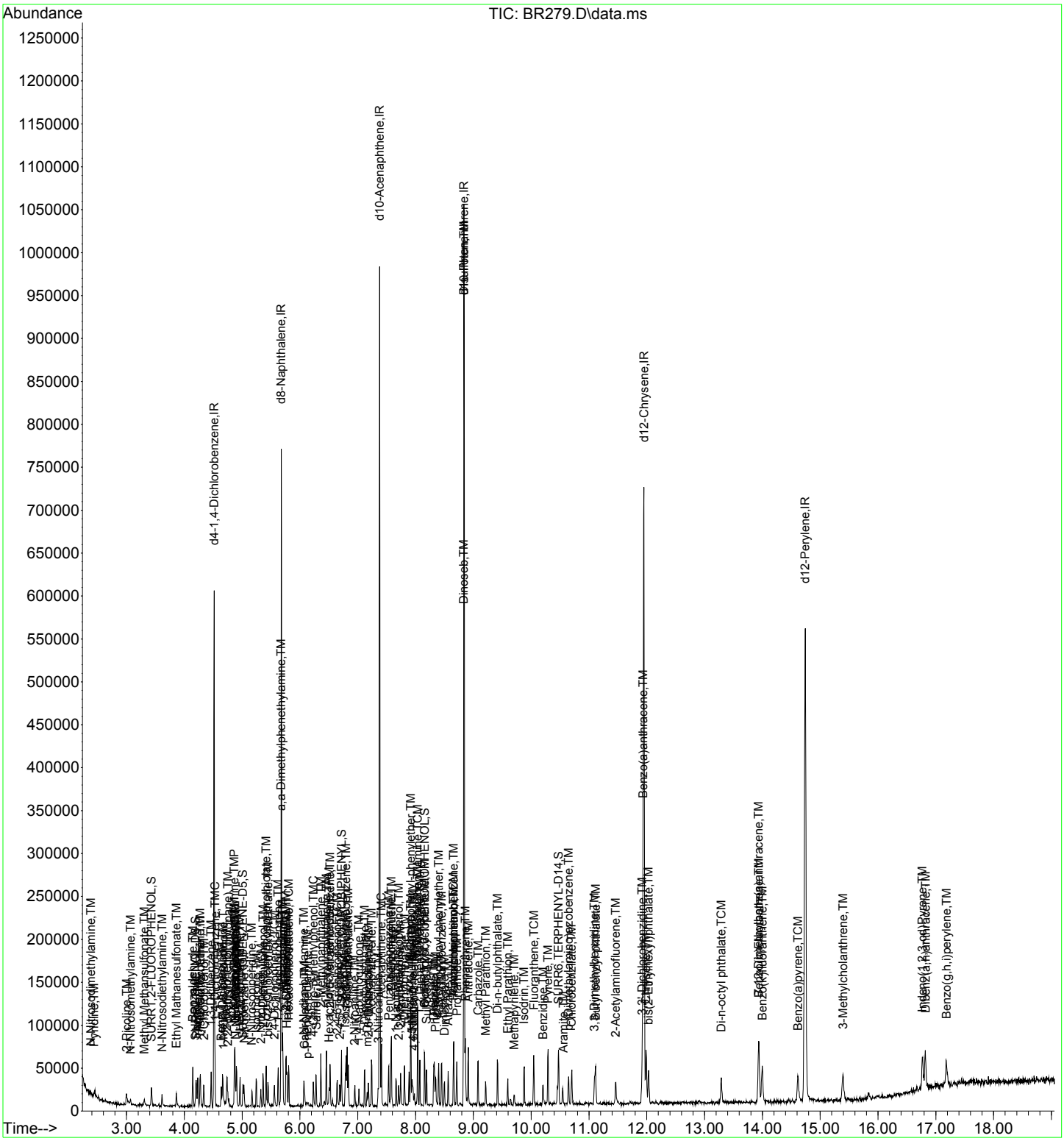
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
103) Dimethoate	8.500	87	5013	2.416	ppm		94
104) Atrazine	8.564	215	1490	2.172	ppm	#	68
105) Pentachlorophenol	8.655	266	1621	1.173	ppm	#	80
106) 4-Aminobiphenyl	8.661	169	11292	2.170	ppm		98
107) Pentachloronitrobenzene	8.661	237	2345	2.180	ppm		93
108) Pronamide	8.714	173	6940	1.988	ppm		87
109) Dinoseb	8.832	211	2142	1.161	ppm		78
110) Disulfoton	8.837	88	11107	3.201	ppm		80
111) Phenanthrene	8.864	178	24426	2.373	ppm		97
112) Anthracene	8.912	178	22759	2.252	ppm		94
113) Carbazole	9.083	167	20852	2.176	ppm		91
114) Di-n-butylphthalate	9.415	149	24766	1.924	ppm		94
116) Fluoranthene	10.046	202	23098	2.044	ppm		96
118) Methyl Parathion	9.212	109	3979	2.074	ppm		87
119) Ethyl Parathion	9.597	97	2871	1.759	ppm		99
120) Methapyrilene	9.704	58	3177	2.367	ppm		62
121) Isodrin	9.875	193	2521	2.213	ppm		87
122) Benzidine	10.206	184	9417	1.638	ppm		94
123) Pyrene	10.292	202	26010	2.222	ppm		97
125) Aramite	10.554	185	2353m	1.935	ppm		
126) p-(Dimethylamino)azobe...	10.645	120	5449	1.894	ppm		88
127) Chlorobenzilate	10.699	139	7666	2.098	ppm		75
128) Butyl benzyl phthalate	11.116	149	11580	1.972	ppm		92
129) 3,3-Dimethylbenzidine	11.094	212	12545	1.997	ppm		97
130) 2-Acetylaminofluorene	11.458	181	7468	1.618	ppm		91
131) 3,3'-Dichlorobenzidine	11.918	252	9219	2.070	ppm		86
132) Benzo(a)anthracene	11.934	228	25212	2.273	ppm		95
133) Chrysene	11.988	228	23438	2.226	ppm		97
134) bis(2-Ethylhexyl)phtha...	12.030	149	15218	1.861	ppm		99
136) Di-n-octyl phthalate	13.287	149	20741	1.469	ppm		96
137) 7,12-Dimethylbenz(a)an...	13.934	256	11279	2.134	ppm		82
138) Benzo(b)Fluoranthene	13.940	252	25537	2.106	ppm		95
139) Benzo(k)fluoranthene	13.999	252	23648	2.089	ppm		91
140) Benzo(a)pyrene	14.614	252	18837	1.864	ppm		93
141) 3-Methylcholanthrene	15.395	268	11785	1.999	ppm		91
142) Indeno(1,2,3-cd)Pyrene	16.764	276	22792	2.205	ppm		96
143) Dibenz(a,h)anthracene	16.823	278	22366	2.031	ppm		96
144) Benzo(g,h,i)perylene	17.186	276	19662	2.162	ppm		92

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

1st DM 04/11/19
2nd BA 04/11/19

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR279.D
Acq On : 14 Mar 2019 2:14 pm
Operator : J.Misiurewicz
Sample : 2.5 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 5 Sample Multiplier: 1

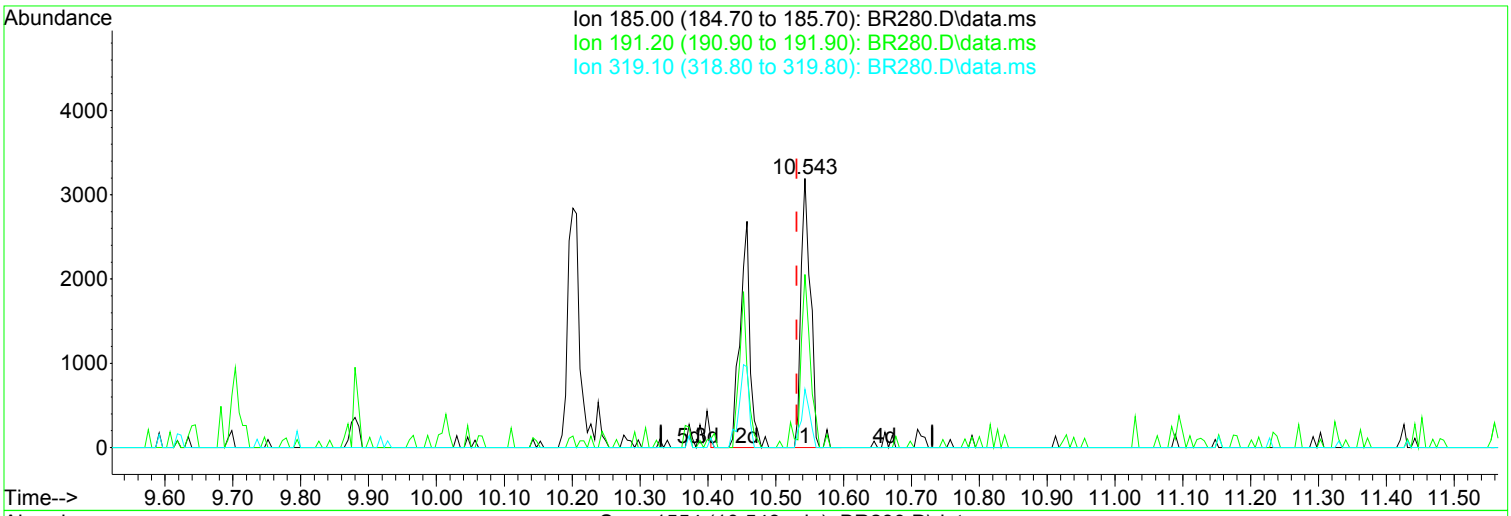
Quant Time: Apr 11 10:30:39 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Tue Apr 09 13:58:51 2019
Response via : Initial Calibration

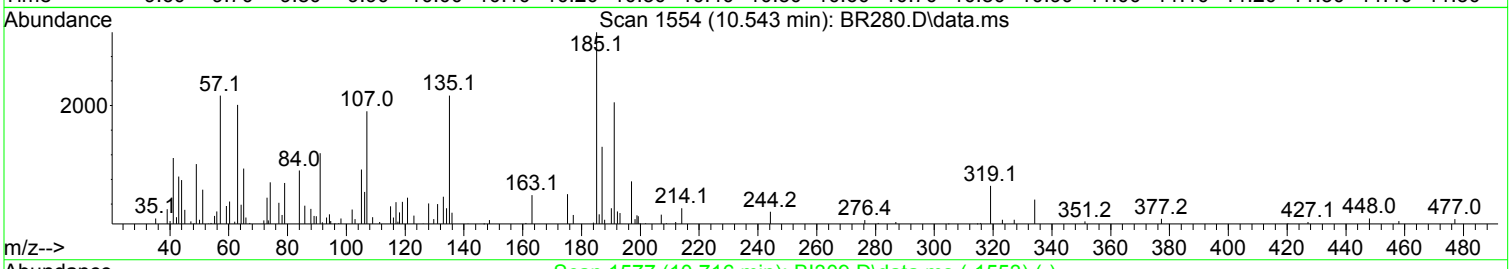


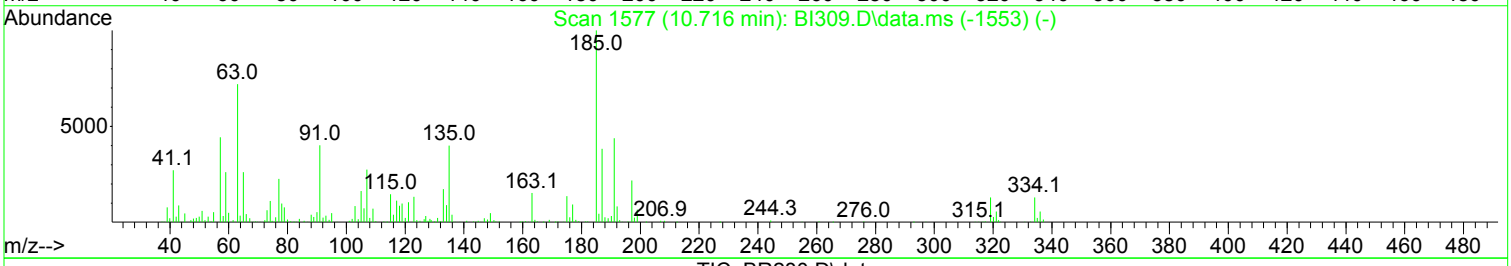
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR280.D
Acq On : 14 Mar 2019 2:41 pm
Operator : J.Misiurewicz
Sample : 5.0 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 11 10:30:45 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Tue Apr 09 13:58:51 2019
Response via : Initial Calibration







TIC: BR280.D\data.ms

(125) Aramite (TM)

10.543min (+ 0.012) 4.79 ppm m

response 5896

Ion	Exp%	Act%
185.00	100.00	100.00
191.20	47.90	64.33
319.10	17.60	21.70
0.00	0.00	0.00

Manual Integration:

After

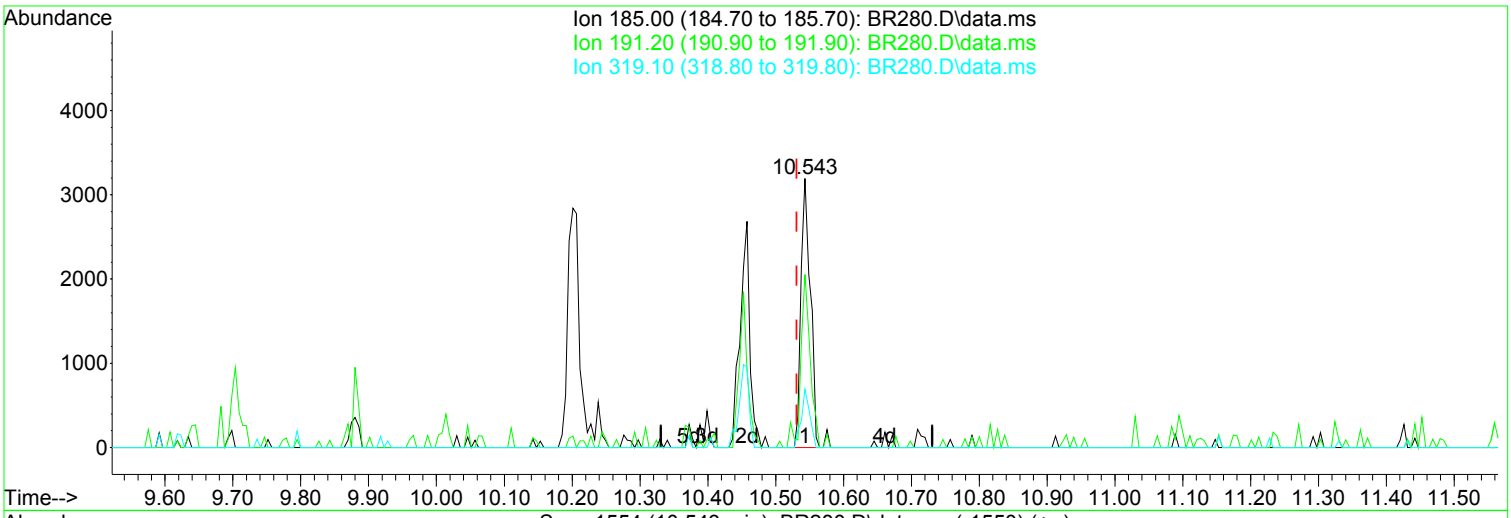
Split Peak.

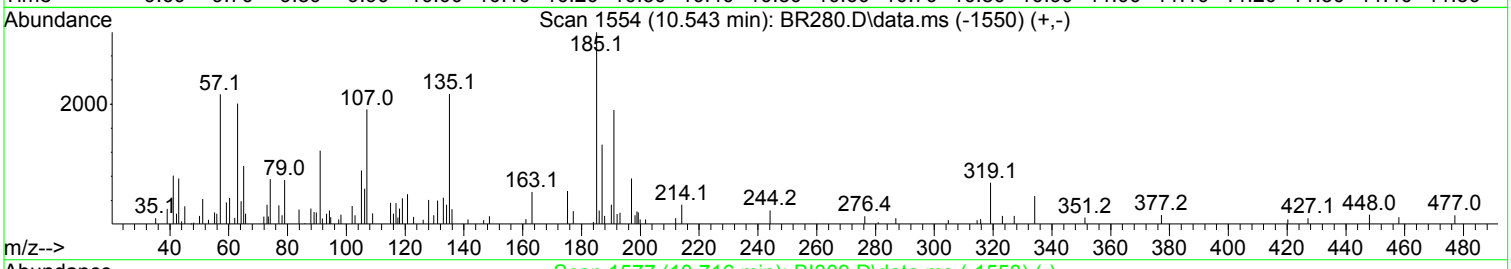
04/11/19

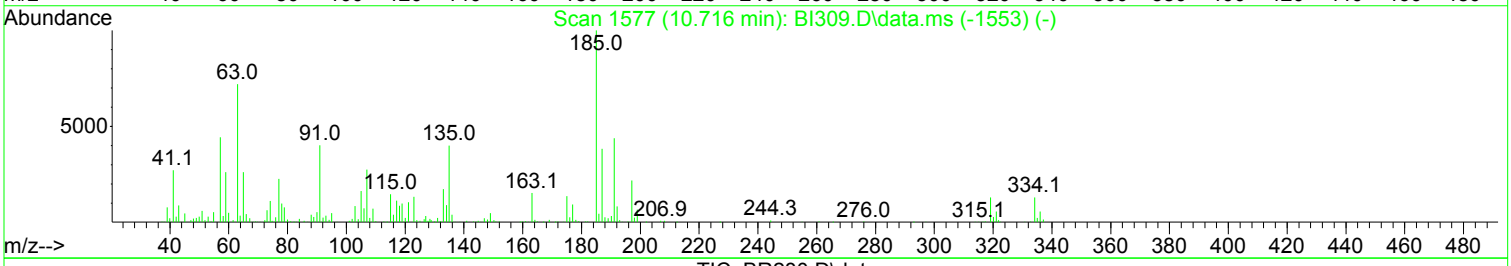
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR280.D
Acq On : 14 Mar 2019 2:41 pm
Operator : J.Misiurewicz
Sample : 5.0 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 11 10:30:45 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Tue Apr 09 13:58:51 2019
Response via : Initial Calibration







TIC: BR280.D\data.ms

(125) Aramite (TM)

10.543min (+ 0.012) 2.49 ppm

response 3061

Ion	Exp%	Act%
185.00	100.00	100.00
191.20	47.90	60.93
319.10	17.60	22.18
0.00	0.00	0.00

Manual Integration:

Before

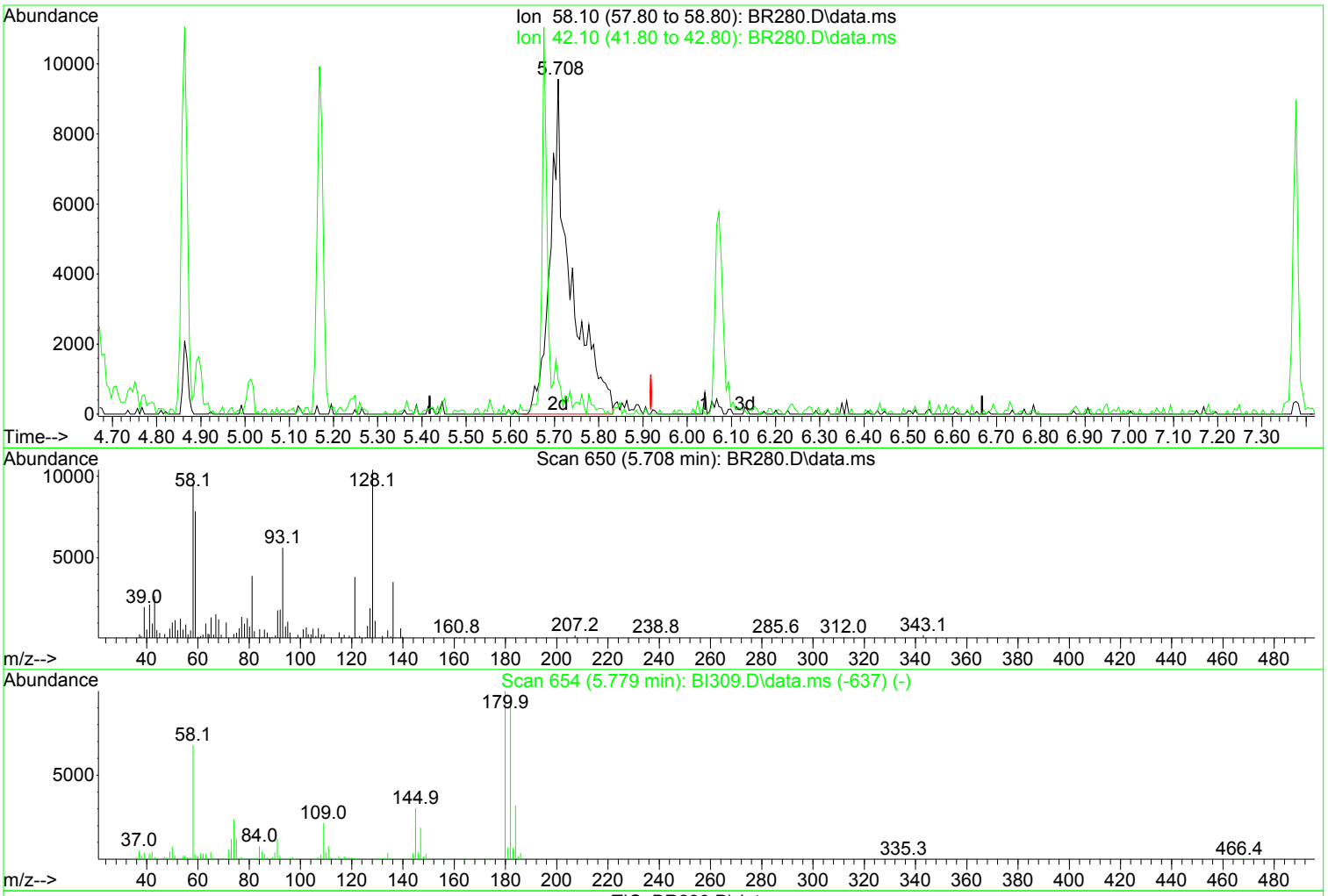
04/11/19

1st DM 04/11/19
2nd BA 04/11/19

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR280.D
Acq On : 14 Mar 2019 2:41 pm
Operator : J.Misiurewicz
Sample : 5.0 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 11 10:30:45 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Tue Apr 09 13:58:51 2019
Response via : Initial Calibration



TIC: BR280.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

5.708min (-0.210) 5.17 ppm m

response 30837

Ion	Exp%	Act%
58.10	100.00	100.00
42.10	6.70	10.04
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

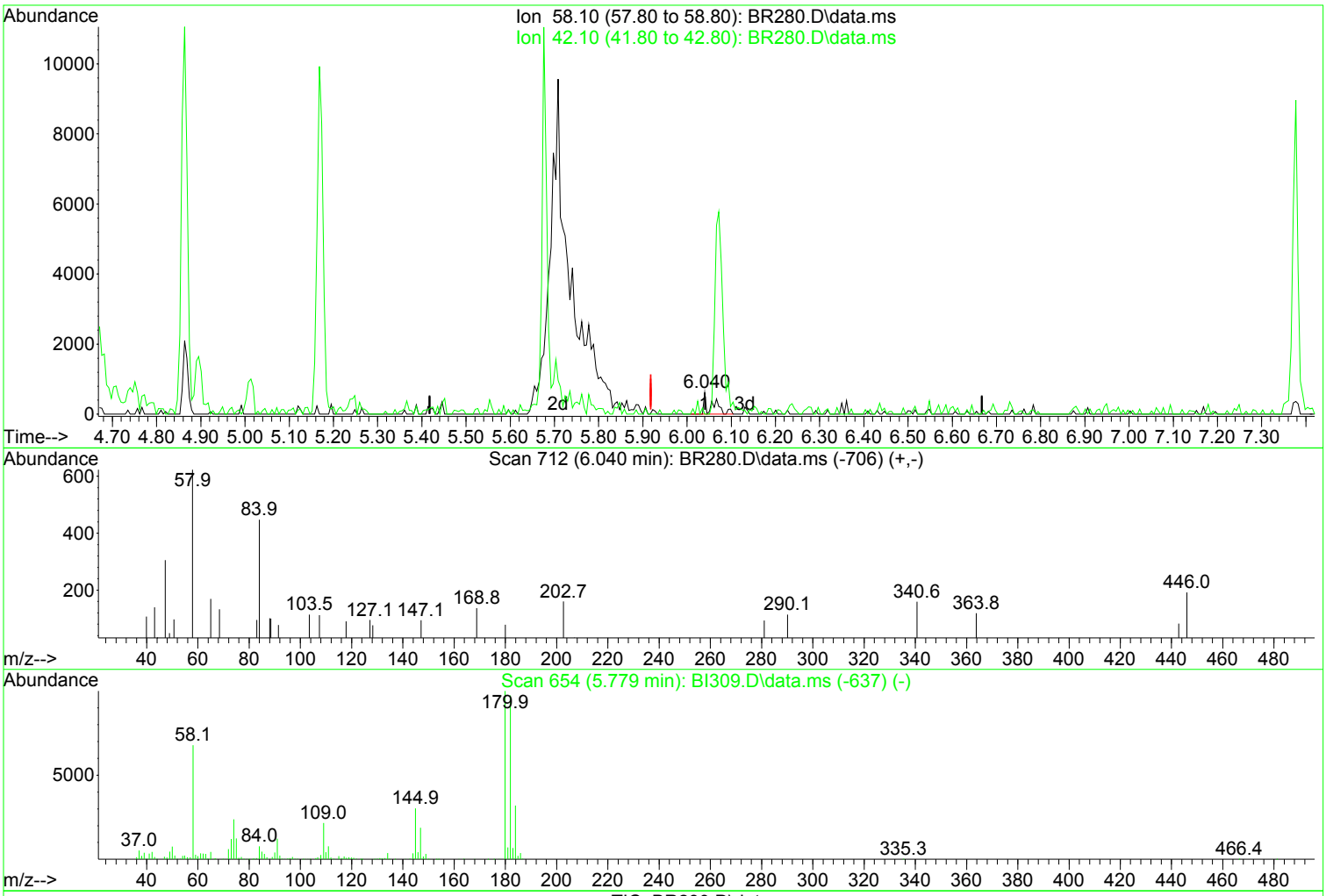
Peak not found.

04/11/19

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR280.D
Acq On : 14 Mar 2019 2:41 pm
Operator : J.Misiurewicz
Sample : 5.0 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 11 10:30:45 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Tue Apr 09 13:58:51 2019
Response via : Initial Calibration



TIC: BR280.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

6.040min (+ 0.122) 0.13 ppm

response 769

Ion	Exp%	Act%
58.10	100.00	100.00
42.10	6.70	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

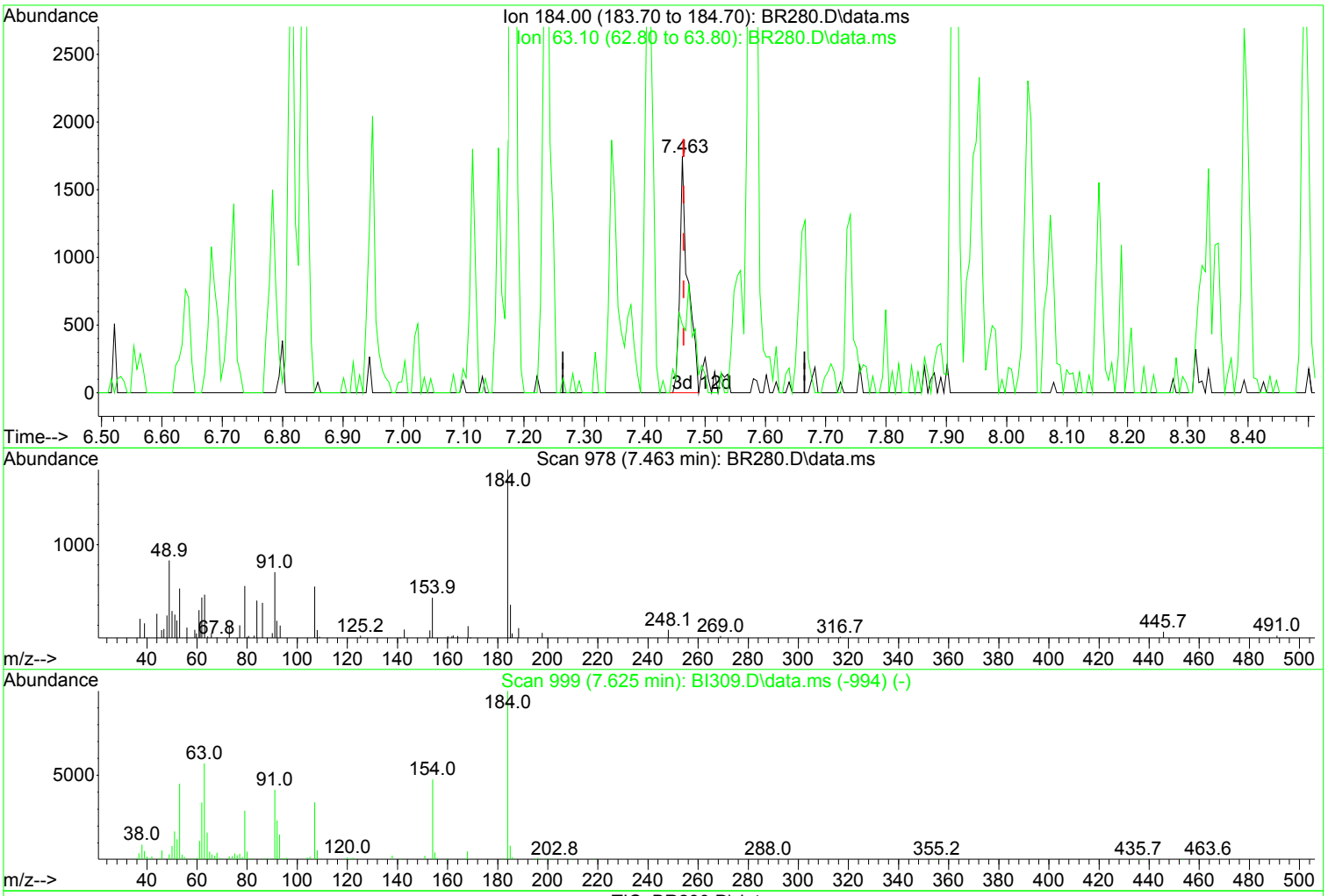
Before

04/11/19

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR280.D
Acq On : 14 Mar 2019 2:41 pm
Operator : J.Misiurewicz
Sample : 5.0 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 11 10:30:45 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Tue Apr 09 13:58:51 2019
Response via : Initial Calibration



TIC: BR280.D\data.ms

(75) 2,4-Dinitrophenol (TPM)

7.463min (-0.002) 4.32 ppm m

response 1651

Ion	Exp%	Act%
184.00	100.00	100.00
63.10	70.20	28.84#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Wrong peak selected.

04/11/19

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\031419\
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Acq On : 14 Mar 2019 2:41 pm
Operator : J.Misiurewicz
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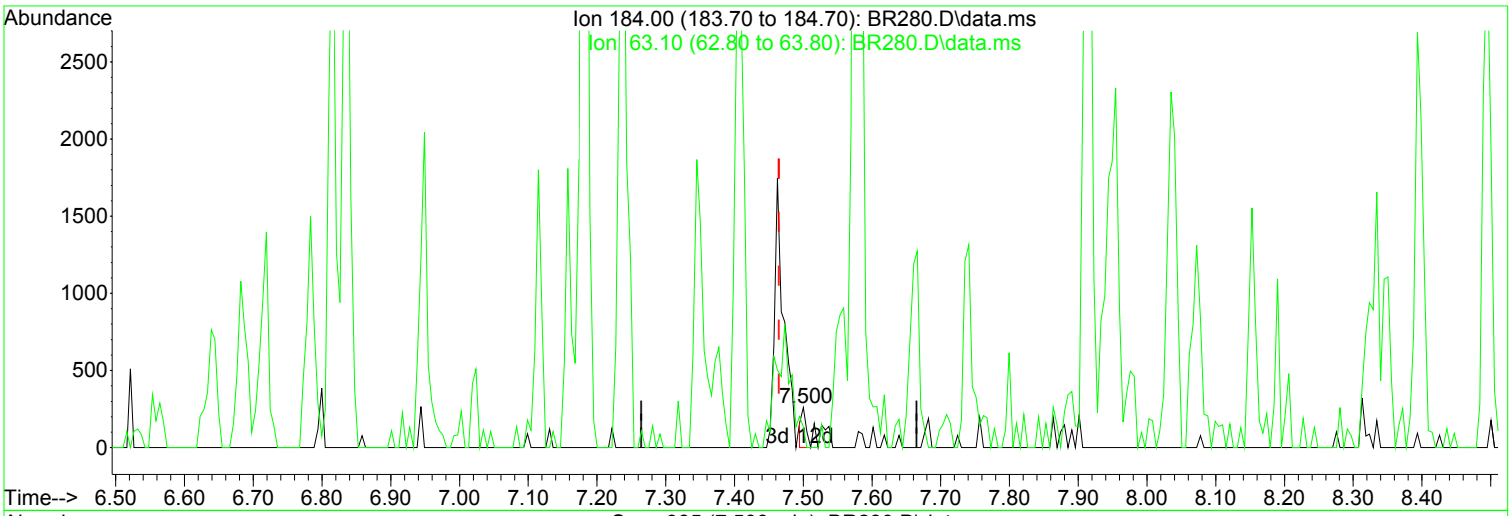

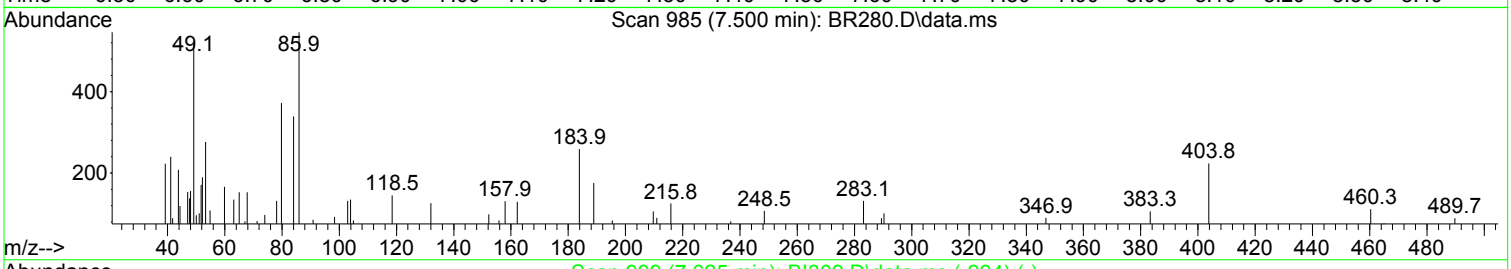

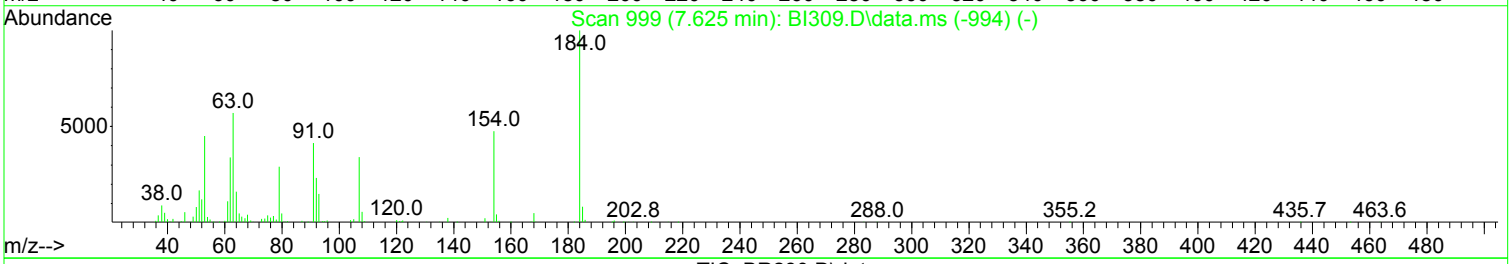

TIC: BR280.D\data.ms

(75) 2,4-Dinitrophenol (TPM)

7.500min (+ 0.035) 2.23 ppm

response 116

Ion	Exp%	Act%
184.00	100.00	100.00
63.10	70.20	52.12
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

04/11/19

1st DM 04/11/19
2nd BA 04/11/19

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Misc : Initial Calibration 8270D/625
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Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Tue Apr 09 13:58:51 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) d4-1,4-Dichlorobenzene	4.515	152	82854	40.00	ppm		0.00
33) d8-Naphthalene	5.676	136	307337	40.00	ppm		0.00
57) d10-Acenaphthene	7.377	164	175960	40.00	ppm		0.00
91) d10-Phenanthrene	8.837	188	322514	40.00	ppm		0.00
117) d12-Chrysene	11.945	240	337092	40.00	ppm		0.00
135) d12-Perylene	14.742	264	355555	40.00	ppm		0.00
System Monitoring Compounds							
7) SURR1,2-FLUOROPHENOL	3.430	112	12527	4.30	ppm		0.00
Spiked Amount 200.000	Range 10 - 70		Recovery =	2.15%#			
12) SURR2,PHENOL-D6	4.195	99	17687	4.89	ppm		0.00
Spiked Amount 200.000	Range 10 - 107		Recovery =	2.44%#			
34) SURR4,NITROBENZENE-D5	5.013	82	15194	4.80	ppm		0.00
Spiked Amount 100.000	Range 31 - 110		Recovery =	4.80%#			
63) SURR5,2-FLUOROBIPHENYL	6.719	172	35388	5.13	ppm		0.00
Spiked Amount 100.000	Range 31 - 118		Recovery =	5.13%#			
88) SURR3,2,4,6-TRIBROMOPH...	8.153	330	5836	4.58	ppm		0.00
Spiked Amount 200.000	Range 35 - 141		Recovery =	2.29%#			
124) SURR6,TERPHENYL-D14	10.474	244	41236	4.88	ppm		0.00
Spiked Amount 100.000	Range 10 - 165		Recovery =	4.88%#			
Target Compounds							Qvalue
2) Pyridine	2.413	79	12873	4.680	ppm		86
3) N-Nitrosodimethylamine	2.365	74	7617	4.554	ppm		84
4) 2-Picoline	2.986	93	13889	4.867	ppm		92
5) N-Nitrosomethylamine	3.061	42	8242	5.846	ppm		92
6) Methyl Methansulfonate	3.301	80	6390	4.851	ppm		79
8) N-Nitrosodiethylamine	3.612	102	6168	4.723	ppm		94
9) Ethyl Mathanesulfonate	3.858	79	11442	4.717	ppm		90
10) Benzaldehyde	4.146	106	18271	10.474	ppm		97
11) Aniline	4.232	93	23247	4.804	ppm		95
13) Phenol	4.205	94	18167	4.834	ppm		85
14) bis(2-Clethyl)Ether	4.280	93	12262	4.879	ppm		85
15) Pentachloroethane	4.269	117	6089	5.001	ppm		96
16) 2-Chlorophenol	4.334	128	16171	5.093	ppm		94
17) 1,3-Diclbenzene	4.462	146	17569	4.998	ppm		96
18) 1,4-Dichlorobenzene	4.532	146	17660	4.939	ppm		97
19) 1,2-Diclbenzene	4.665	146	17457	5.065	ppm		82
20) Benzyl Alcohol	4.633	79	10113	4.283	ppm		91
21) 1-Methyl-2-pyrrolidinone	4.665	99	9637	4.917	ppm		84
22) 2,2'-oxybis(1-Chloropr...	4.751	45	13581	5.213	ppm	#	60
23) 2-Methylphenol	4.735	108	13778	5.000	ppm		88
24) 3+4-Methylphenol	4.874	108	14475	4.538	ppm		89
25) Acetophenone	4.874	105	20288	4.843	ppm		92
26) N-Nitroso-Di-n-propyla...	4.863	70	9850	4.490	ppm		84
27) N-Nitrosopyrrolidine	4.858	100	6825	4.408	ppm		79
28) N-Nitrosomorpholine	4.895	56	7861	4.824	ppm		95
29) o-Toluidine	4.901	106	22002	4.874	ppm		96
30) Hexachloroethane	4.965	117	6798	4.746	ppm		98
31) o,o,o-Triethylphosphor...	5.414	198	7792	5.041	ppm		98
32) Alpha-terpinol	5.703	121	5107	4.639	ppm		80
35) Nitrobenzene	5.029	77	16210	5.029	ppm		90
36) N-Nitrosopiperidine	5.168	42	9439	5.156	ppm		99
37) Isophorone	5.243	82	26855	4.924	ppm		96
38) 2-Nitrophenol	5.323	139	8415	4.952	ppm		93

1st DM 04/11/19
2nd BA 04/11/19

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) Benzoic Acid	5.425	105	9942	5.331	ppm		86
40) 2,4-Dimethylphenol	5.361	107	14981	4.846	ppm		98
41) bis(-2-Chloroethoxy)Me...	5.446	93	16708	5.140	ppm		96
42) 2,4-Dichlorophenol	5.553	162	12688	4.884	ppm		96
43) a,a-Dimethylphenethyla...	5.708	58	30837m	5.173	ppm		
44) 1,2,4-Trichlorobenzene	5.623	180	14132	4.836	ppm		96
45) Naphthalene	5.697	128	45857	5.027	ppm		99
46) 4-Chloroaniline	5.756	127	17827	4.813	ppm		94
47) 2,6-Dichlorophenol	5.756	162	13265	4.823	ppm		96
48) Hexachlorobutadiene	5.804	225	9147	5.069	ppm		93
49) Hexachloropropene	5.778	213	12987	5.491	ppm		93
50) 4-Chloro-3-methylphenol	6.232	107	11122	4.457	ppm		76
51) N-N-di-n-butylamine	6.067	84	13866	6.192	ppm		84
52) Caprolactam	6.077	113	3607	4.196	ppm		76
53) p-Phenylenediamine	6.109	80	1827	3.735	ppm	#	70
54) Safrole	6.281	162	11876	4.982	ppm		85
55) 2-Methylnaphthalene	6.361	142	31227	5.014	ppm		95
56) 1-Methylnaphthalene	6.457	142	29827	5.081	ppm		96
58) Hexachlorocyclopentadiene	6.505	237	6415	5.115	ppm		92
59) 1,2,4,5-Tetrachloroben...	6.521	216	14525	4.666	ppm		88
60) 1,2,3,4-Tetrachloroben...	6.799	216	17774	5.472	ppm		98
61) 2,4,6-Trichlorophenol	6.644	196	8432	4.541	ppm		98
62) 2,4,5-Trichlorophenol	6.687	196	10175	5.001	ppm		84
64) Isosafrole	6.783	104	5533	4.735	ppm		91
65) 1,1'-Biphenyl	6.815	154	39757	5.022	ppm		96
66) 2-Chloronaphthalene	6.837	162	30559	5.264	ppm		98
67) 2-Nitroaniline	6.944	65	7790	5.043	ppm		88
68) 1,4-Naphthoquinone	7.019	158	7824	4.698	ppm		91
69) m-Dinitrobenzene	7.158	168	4533	4.336	ppm		93
70) Acenaphthylene	7.238	152	45127	4.826	ppm		98
71) Dimethyl phthalate	7.120	163	37134	5.283	ppm		98
72) 2,6-Dinitrotoluene	7.184	165	6834	4.519	ppm		92
73) Acenaphthene	7.409	153	33362	5.104	ppm		97
74) 3-Nitroaniline	7.350	138	7302	4.384	ppm		86
75) 2,4-Dinitrophenol	7.463	184	1651m	4.320	ppm		
76) Dibenzofuran	7.580	168	45736	5.361	ppm		84
77) 2,4-Dinitrotoluene	7.580	165	9821	4.597	ppm		88
78) 4-Nitrophenol	7.548	65	3864	3.569	ppm	#	64
79) Pentachlorobenzene	7.532	250	17178	5.716	ppm		93
80) 1-Napthylamine	7.660	143	21686	5.264	ppm		86
81) 2-Napthylamine	7.741	143	27638	5.403	ppm		89
82) 2,3,4,6-Tetrachlorophenol	7.703	232	6992	4.090	ppm		94
83) Fluorene	7.917	166	35044	5.070	ppm		99
84) 4-Chlorophenyl-phenyle...	7.917	204	16322	5.241	ppm		91
85) Diethylphthalate	7.805	149	38136	5.158	ppm		95
86) 4-Nitroaniline	7.949	138	8194	4.780	ppm		94
87) 5-Nitro-o-toluidine	7.939	152	9464	4.872	ppm		96
89) Sulfotepp	8.190	322	5377	5.066	ppm		94
90) Octachlorocyclopentene	8.158	307	6523	4.648	ppm		89
92) Thionazin	7.890	107	4568	4.166	ppm		83
93) 4,6-Dinitro-2-methylph...	7.976	198	4451	3.359	ppm		73
94) Diphenylamine	8.035	169	53786	9.909	ppm		98
95) 1,2 Diphenylhydrazine	8.072	77	33871	4.880	ppm		95
96) N-Nitrosodiphenylamine	8.035	169	53786	9.908	ppm		98
97) 1,3,5-Trinirobenzene	8.334	213	2117	3.253	ppm	#	70
98) Diallate	8.313	86	13340	5.303	ppm		80

1st DM 04/11/19
2nd BA 04/11/19

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Data File : BR280.D
Acq On : 14 Mar 2019 2:41 pm
Operator : J.Misiurewicz
Sample : 5.0 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 11 10:30:45 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Tue Apr 09 13:58:51 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
99) Phorate	8.324	121	5607	4.336	ppm	#	77
100) Phenacetin	8.345	108	14548	4.275	ppm		98
101) 4-Bromophenyl-phenylether	8.399	248	9505	4.710	ppm		97
102) Hexachlorobenzene	8.447	284	13191	5.140	ppm		87
103) Dimethoate	8.495	87	11701	5.553	ppm		97
104) Atrazine	8.564	215	4071	5.845	ppm	#	52
105) Pentachlorophenol	8.655	266	4036	2.876	ppm		83
106) 4-Aminobiphenyl	8.661	169	25354	4.797	ppm		96
107) Pentachloronitrobenzene	8.655	237	4461	4.084	ppm		90
108) Pronamide	8.714	173	15605	4.402	ppm		88
109) Dinoseb	8.832	211	6008	3.207	ppm		94
110) Disulfoton	8.837	88	18894	5.362	ppm		95
111) Phenanthrene	8.859	178	54571	5.220	ppm		93
112) Anthracene	8.912	178	51066	4.975	ppm		98
113) Carbazole	9.078	167	45478	4.674	ppm		98
114) Di-n-butylphthalate	9.415	149	57870	4.428	ppm		97
115) 4-Nitroquinonline-1-oxide	9.639	190	1650	2.283	ppm		76
116) Fluoranthene	10.046	202	53069	4.625	ppm		97
118) Methyl Parathion	9.212	109	8673	4.471	ppm		98
119) Ethyl Parathion	9.591	97	6861	4.157	ppm		83
120) Methapyrilene	9.704	58	6715	4.948	ppm		97
121) Isodrin	9.875	193	5646	4.902	ppm		82
122) Benzidine	10.201	184	22759	3.916	ppm		92
123) Pyrene	10.287	202	57485	4.857	ppm		97
125) Aramite	10.543	185	5896m	4.795	ppm		
126) p-(Dimethylamino)azobe...	10.645	120	13037	4.481	ppm		91
127) Chlorobenzilate	10.698	139	16356	4.428	ppm		98
128) Butyl benzyl phthalate	11.110	149	27507	4.633	ppm		96
129) 3,3-Dimethylbenzidine	11.094	212	28527	4.491	ppm		95
130) 2-Acetylaminofluorene	11.458	181	17190	3.683	ppm		86
131) 3,3'-Dichlorobenzidine	11.913	252	20320	4.513	ppm		94
132) Benzo(a)anthracene	11.929	228	53476	4.767	ppm		96
133) Chrysene	11.988	228	57497	5.400	ppm		96
134) bis(2-Ethylhexyl)phtha...	12.030	149	36655	4.432	ppm		99
136) Di-n-octyl phthalate	13.287	149	55697	3.884	ppm		99
137) 7,12-Dimethylbenz(a)an...	13.934	256	25728	4.792	ppm		92
138) Benzo(b)Fluoranthene	13.940	252	58974	4.789	ppm		94
139) Benzo(k)fluoranthene	13.999	252	58597	5.097	ppm		92
140) Benzo(a)pyrene	14.614	252	48073	4.685	ppm		92
141) 3-Methylcholanthrene	15.395	268	29071	4.855	ppm		97
142) Indeno(1,2,3-cd)Pyrene	16.769	276	50401	4.801	ppm		79
143) Dibenz(a,h)anthracene	16.817	278	55190	4.935	ppm		95
144) Benzo(g,h,i)perylene	17.176	276	47430	5.136	ppm		88

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

1st DM 04/11/19
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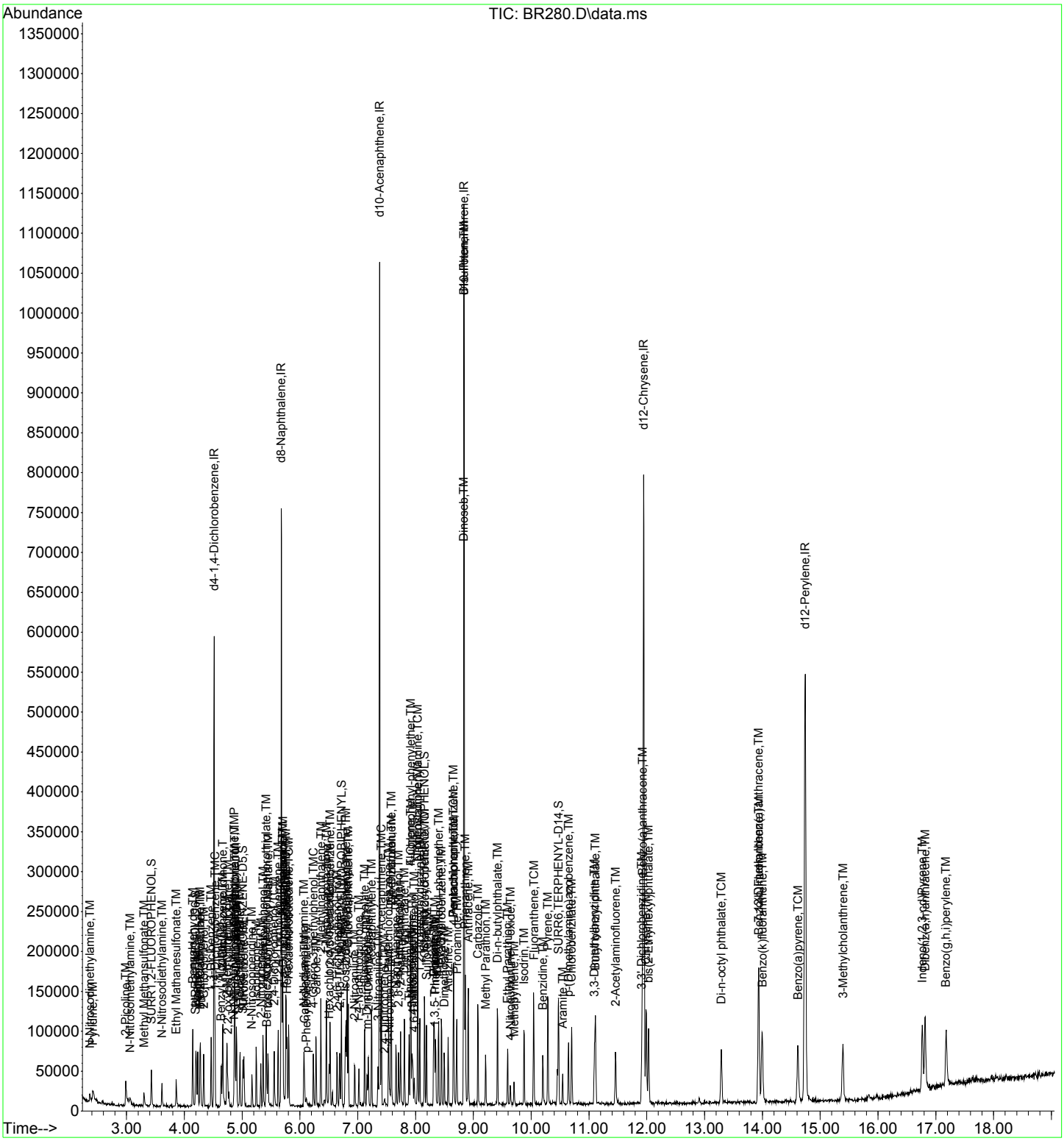

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR281.D
Acq On : 14 Mar 2019 3:09 pm
Operator : J.Misiurewicz
Sample : 10 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 11 10:30:50 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
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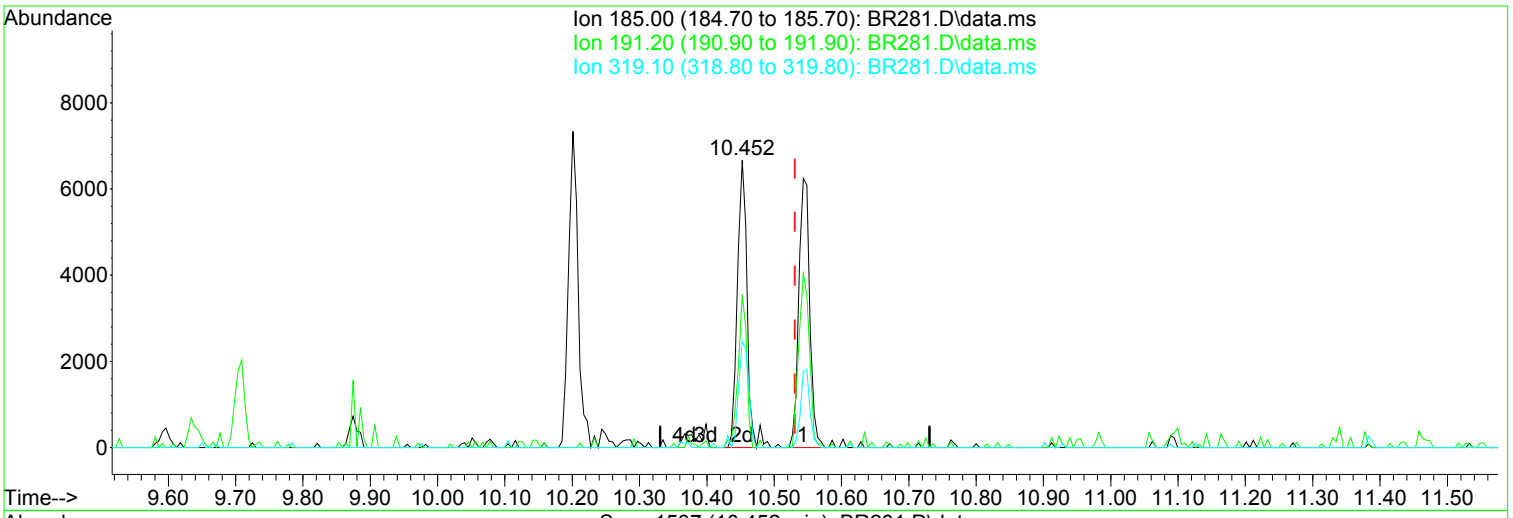

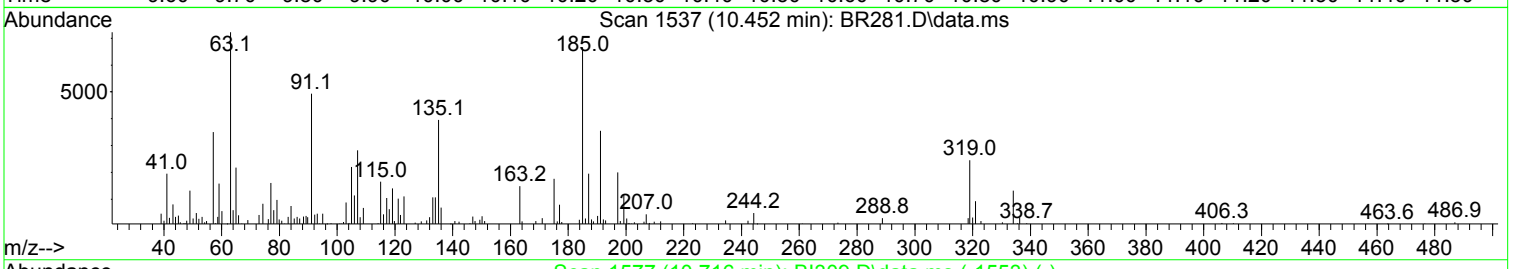

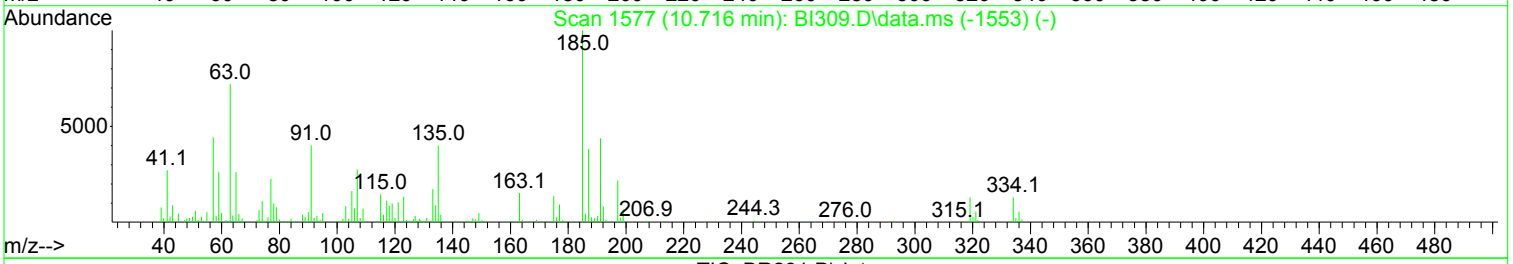

TIC: BR281.D\data.ms

(125) Aramite (TM)

10.452min (-0.079) 10.73 ppm m

response 13863

Ion	Exp%	Act%
185.00	100.00	100.00
191.20	47.90	53.25
319.10	17.60	36.70
0.00	0.00	0.00

Manual Integration:

After

Split Peak.

04/11/19

Quantitation Report (Qedit)

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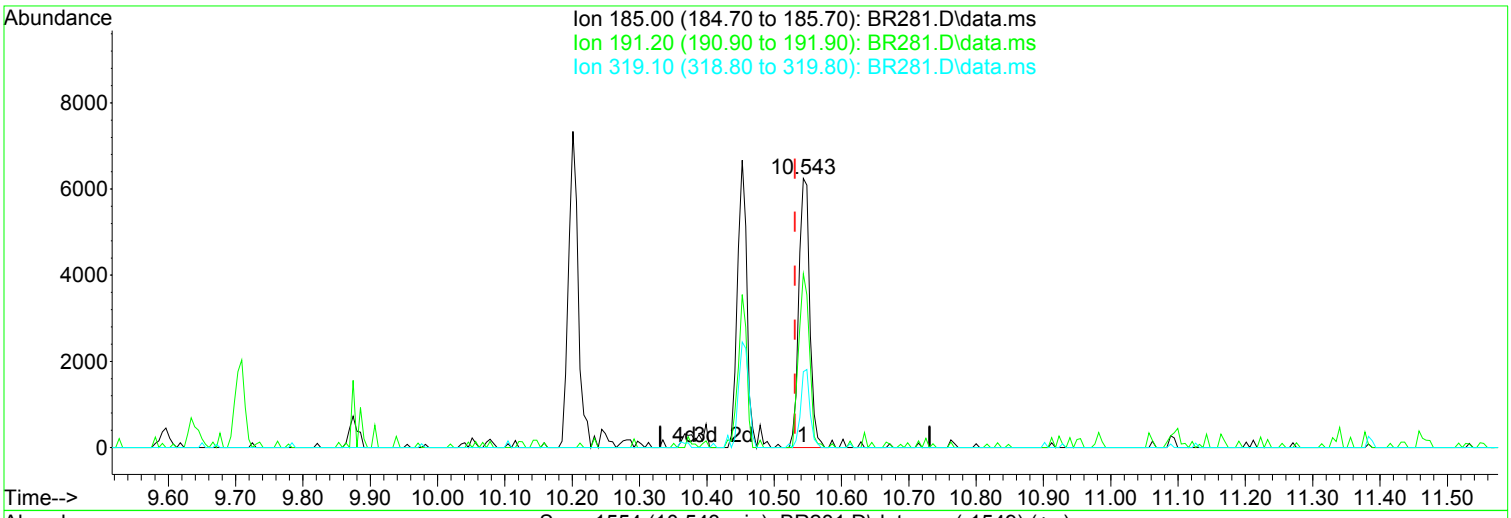

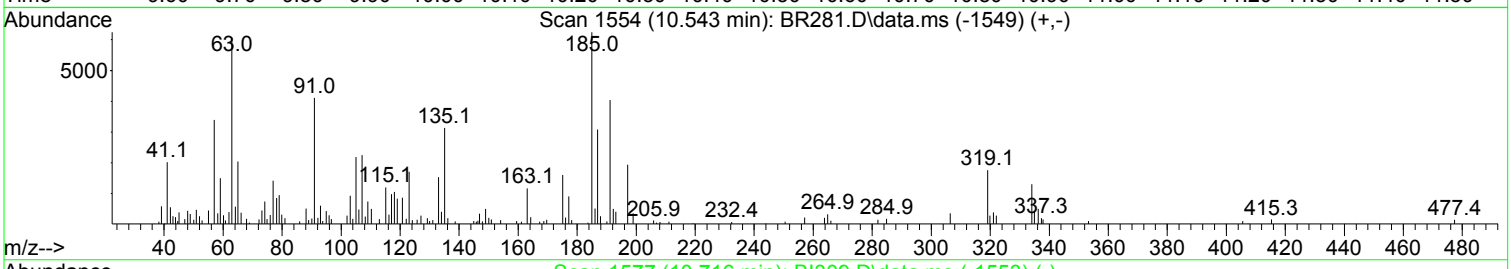

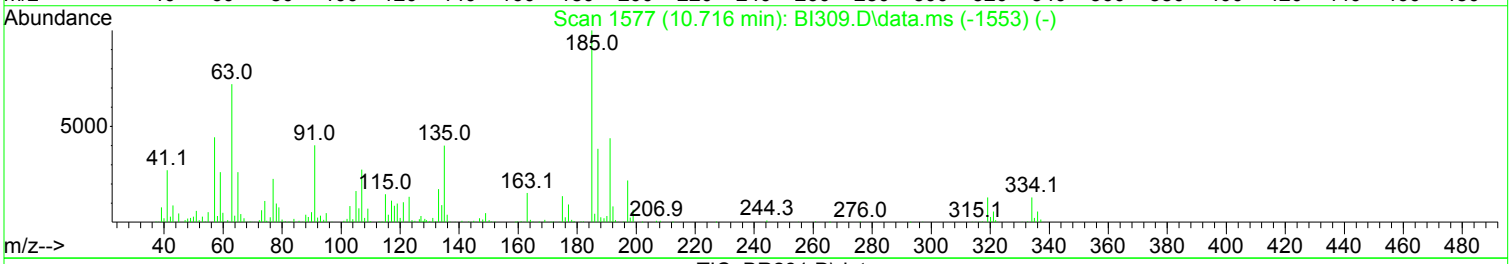

TIC: BR281.D\data.ms

(125) Aramite (TM)

10.543min (+ 0.012) 5.48 ppm

response 7087

Ion	Exp%	Act%
185.00	100.00	100.00
191.20	47.90	64.62
319.10	17.60	28.19
0.00	0.00	0.00

Manual Integration:

Before

04/11/19

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR281.D
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Quant Title : 8270 BNA ANALYSIS
QLast Update : Tue Apr 09 13:58:51 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) d4-1,4-Dichlorobenzene	4.515	152	83121	40.00	ppm		0.00
33) d8-Naphthalene	5.676	136	306695	40.00	ppm		0.00
57) d10-Acenaphthene	7.377	164	184783	40.00	ppm		0.00
91) d10-Phenanthrene	8.837	188	308315	40.00	ppm		0.00
117) d12-Chrysene	11.950	240	354187	40.00	ppm		0.00
135) d12-Perylene	14.742	264	374708	40.00	ppm		0.00
System Monitoring Compounds							
7) SURR1,2-FLUOROPHENOL	3.430	112	29804	10.19	ppm		0.00
Spiked Amount 200.000	Range 10 - 70		Recovery =	5.09%#			
12) SURR2,PHENOL-D6	4.194	99	34188	9.42	ppm		0.00
Spiked Amount 200.000	Range 10 - 107		Recovery =	4.71%#			
34) SURR4,NITROBENZENE-D5	5.013	82	32016	10.13	ppm		0.00
Spiked Amount 100.000	Range 31 - 110		Recovery =	10.13%#			
63) SURR5,2-FLUOROBIPHENYL	6.719	172	71716	9.90	ppm		0.00
Spiked Amount 100.000	Range 31 - 118		Recovery =	9.90%#			
88) SURR3,2,4,6-TRIBROMOPH...	8.158	330	13915	10.39	ppm		0.00
Spiked Amount 200.000	Range 35 - 141		Recovery =	5.20%#			
124) SURR6,TERPHENYL-D14	10.474	244	90753	10.23	ppm		0.00
Spiked Amount 100.000	Range 10 - 165		Recovery =	10.23%			
Target Compounds							Qvalue
2) Pyridine	2.397	79	25716	9.319	ppm		94
3) N-Nitrosodimethylamine	2.360	74	14062	8.380	ppm		77
4) 2-Picoline	2.980	93	26547	9.273	ppm		90
5) N-Nitrosomethylamine	3.061	42	14287	10.101	ppm		97
6) Methyl Methansulfonate	3.301	80	12541	9.491	ppm		92
8) N-Nitrosodiethylamine	3.611	102	12648	9.653	ppm		91
9) Ethyl Mathanesulfonate	3.857	79	24808	10.194	ppm		95
10) Benzaldehyde	4.146	106	38038	21.736	ppm		95
11) Aniline	4.232	93	49047	10.102	ppm		88
13) Phenol	4.205	94	35427	9.397	ppm		89
14) bis(2-Clethyl)Ether	4.280	93	26042	10.328	ppm		96
15) Pentachloroethane	4.269	117	12047	9.864	ppm		88
16) 2-Chlorophenol	4.333	128	30529	9.584	ppm		95
17) 1,3-Diclbenzene	4.462	146	34821	9.874	ppm		98
18) 1,4-Dichlorobenzene	4.531	146	35747	9.966	ppm		100
19) 1,2-Diclbenzene	4.660	146	33241	9.613	ppm		95
20) Benzyl Alcohol	4.633	79	20330	8.582	ppm		92
21) 1-Methyl-2-pyrrolidinone	4.660	99	18909	9.618	ppm		89
22) 2,2'-oxybis(1-Chloropr...	4.751	45	25182	9.635	ppm	#	56
23) 2-Methylphenol	4.735	108	26164	9.465	ppm		97
24) 3+4-Methylphenol	4.874	108	29940	9.356	ppm		92
25) Acetophenone	4.874	105	42138	10.027	ppm		97
26) N-Nitroso-Di-n-propyla...	4.863	70	21795	9.903	ppm		90
27) N-Nitrosopyrrolidine	4.858	100	15086	9.713	ppm	#	59
28) N-Nitrosomorpholine	4.895	56	15721	9.617	ppm		94
29) o-Toluidine	4.906	106	47271	10.438	ppm		95
30) Hexachloroethane	4.965	117	14871	10.349	ppm		87
31) o,o,o-Triethylphosphor...	5.414	198	15190	9.795	ppm		95
32) Alpha-terpinol	5.703	121	10672	9.663	ppm		95
35) Nitrobenzene	5.029	77	32030	9.958	ppm		88
36) N-Nitrosopiperidine	5.168	42	18696	10.233	ppm		84
37) Isophorone	5.243	82	56273	10.340	ppm		97
38) 2-Nitrophenol	5.323	139	17783	10.486	ppm		94

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR281.D
Acq On : 14 Mar 2019 3:09 pm
Operator : J.Misiurewicz
Sample : 10 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 11 10:30:50 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Tue Apr 09 13:58:51 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) Benzoic Acid	5.435	105	27796	14.936	ppm		91
40) 2,4-Dimethylphenol	5.360	107	30935	10.028	ppm		96
41) bis(-2-Chloroethoxy)Me...	5.446	93	33643	10.371	ppm		91
42) 2,4-Dichlorophenol	5.553	162	26432	10.195	ppm		97
43) a,a-Dimethylphenethyla...	5.762	58	67694	11.380	ppm		81
44) 1,2,4-Trichlorobenzene	5.623	180	29214	10.018	ppm		95
45) Naphthalene	5.697	128	92742	10.187	ppm		98
46) 4-Chloroaniline	5.756	127	37055	10.025	ppm		99
47) 2,6-Dichlorophenol	5.762	162	29260	10.661	ppm		84
48) Hexachlorobutadiene	5.804	225	18268	10.144	ppm		96
49) Hexachloropropene	5.772	213	22086	9.357	ppm		98
50) 4-Chloro-3-methylphenol	6.232	107	25747	10.340	ppm		91
51) N-N-di-n-butylamine	6.066	84	24996	11.186	ppm		94
52) Caprolactam	6.082	113	9557	11.141	ppm		85
53) p-Phenylenediamine	6.104	80	6030	12.352	ppm		91
54) Safrole	6.275	162	24850	10.447	ppm		94
55) 2-Methylnaphthalene	6.361	142	64341	10.352	ppm		95
56) 1-Methylnaphthalene	6.457	142	62288	10.634	ppm		94
58) Hexachlorocyclopentadiene	6.505	237	15030	9.702	ppm		97
59) 1,2,4,5-Tetrachloroben...	6.521	216	32403	9.912	ppm		89
60) 1,2,3,4-Tetrachloroben...	6.799	216	33245	9.746	ppm		95
61) 2,4,6-Trichlorophenol	6.639	196	18457	9.464	ppm		98
62) 2,4,5-Trichlorophenol	6.687	196	20808	9.739	ppm		91
64) Isosafrole	6.783	104	12462	10.155	ppm		88
65) 1,1'-Biphenyl	6.815	154	82142	9.880	ppm		94
66) 2-Chloronaphthalene	6.837	162	63047	10.343	ppm		98
67) 2-Nitroaniline	6.944	65	16061	9.901	ppm		87
68) 1,4-Naphthoquinone	7.019	158	18553	10.609	ppm		96
69) m-Dinitrobenzene	7.163	168	11007	10.025	ppm	#	77
70) Acenaphthylene	7.238	152	98557	10.038	ppm		99
71) Dimethyl phthalate	7.120	163	74928	10.151	ppm		98
72) 2,6-Dinitrotoluene	7.184	165	15740	9.910	ppm		88
73) Acenaphthene	7.409	153	68144	9.928	ppm		98
74) 3-Nitroaniline	7.350	138	17497	10.004	ppm		96
75) 2,4-Dinitrophenol	7.462	184	6204	10.009	ppm		79
76) Dibenzofuran	7.580	168	90619	10.116	ppm		99
77) 2,4-Dinitrotoluene	7.580	165	21792	9.714	ppm		86
78) 4-Nitrophenol	7.548	65	9270	8.153	ppm		78
79) Pentachlorobenzene	7.532	250	32067	10.161	ppm		90
80) 1-Napthylamine	7.660	143	45546	10.527	ppm		97
81) 2-Napthylamine	7.741	143	54020	10.056	ppm		97
82) 2,3,4,6-Tetrachlorophenol	7.703	232	17725	9.872	ppm		96
83) Fluorene	7.917	166	77513	10.679	ppm		93
84) 4-Chlorophenyl-phenyle...	7.917	204	33661	10.293	ppm		92
85) Diethylphthalate	7.810	149	77873	10.029	ppm		99
86) 4-Nitroaniline	7.949	138	17444	9.691	ppm		99
87) 5-Nitro-o-toluidine	7.938	152	17974	8.811	ppm		97
89) Sulfotepp	8.190	322	11185	10.035	ppm		83
90) Octachlorocyclopentene	8.158	307	13908	9.437	ppm		96
92) Thionazin	7.885	107	11097	10.588	ppm		97
93) 4,6-Dinitro-2-methylph...	7.976	198	9225	7.283	ppm		77
94) Diphenylamine	8.035	169	111048	21.400	ppm		95
95) 1,2 Diphenylhydrazine	8.072	77	75094	11.317	ppm		98
96) N-Nitrosodiphenylamine	8.035	169	111048	21.398	ppm		95
97) 1,3,5-Trinirobenzene	8.334	213	4609	7.408	ppm	#	47
98) Diallate	8.313	86	25563	10.630	ppm		83

1st DM 04/11/19
2nd BA 04/11/19

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR281.D
Acq On : 14 Mar 2019 3:09 pm
Operator : J.Misiurewicz
Sample : 10 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 11 10:30:50 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Tue Apr 09 13:58:51 2019
Response via : Initial Calibration

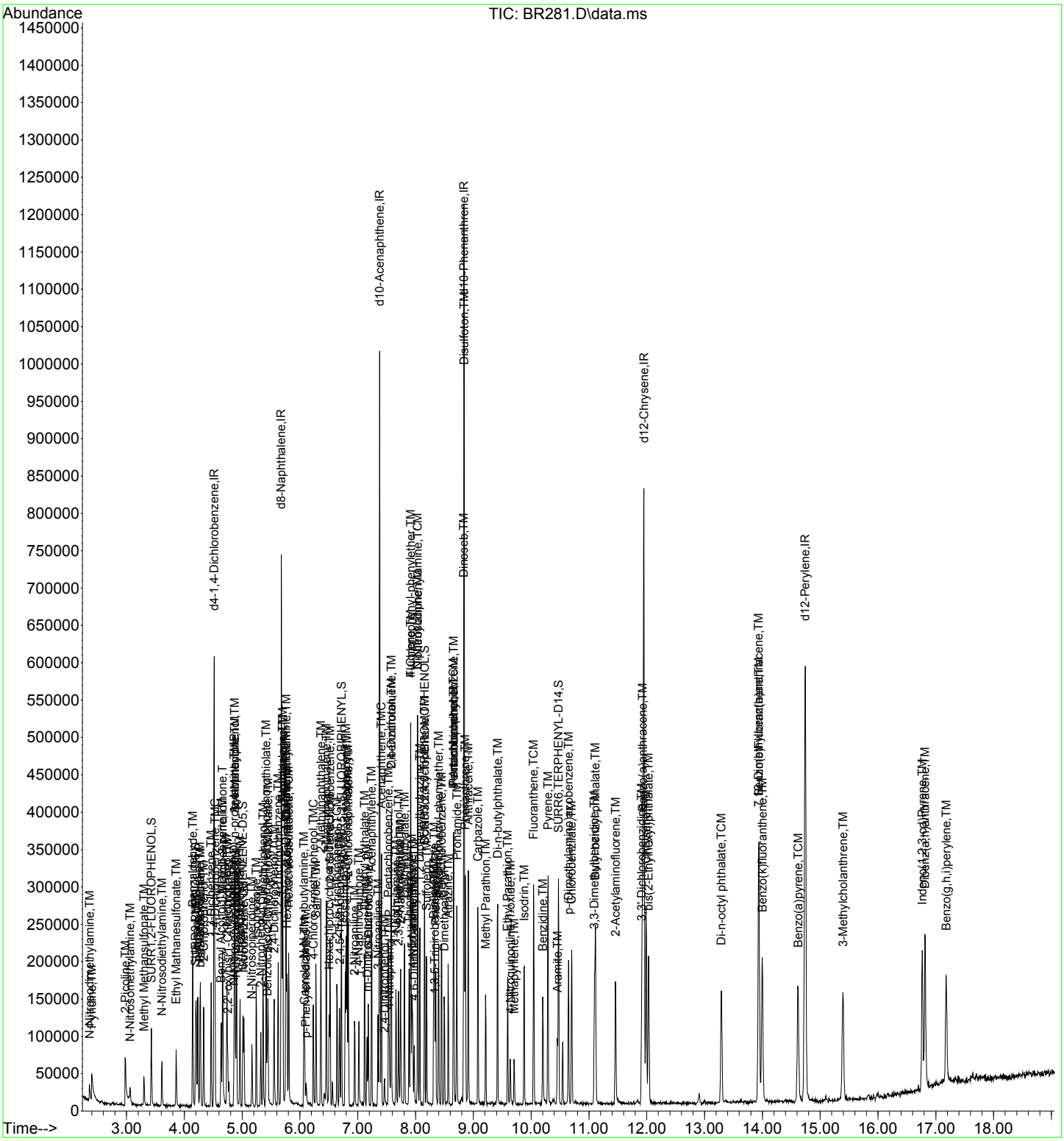
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
99) Phorate	8.324	121	13284	10.747	ppm	85
100) Phenacetin	8.350	108	33940	10.433	ppm	96
101) 4-Bromophenyl-phenylether	8.398	248	21053	10.913	ppm	98
102) Hexachlorobenzene	8.452	284	26506	10.803	ppm	90
103) Dimethoate	8.495	87	24176	12.001	ppm	95
104) Atrazine	8.564	215	8676	13.029	ppm	91
105) Pentachlorophenol	8.655	266	9510	7.089	ppm	90
106) 4-Aminobiphenyl	8.661	169	52106	10.313	ppm	93
107) Pentachloronitrobenzene	8.661	237	9720	9.309	ppm	86
108) Pronamide	8.714	173	34049	10.046	ppm	97
109) Dinoseb	8.832	211	13194	7.367	ppm	94
110) Disulfoton	8.842	88	33308	9.887	ppm	92
111) Phenanthrene	8.858	178	101143	10.120	ppm	95
112) Anthracene	8.912	178	102567	10.452	ppm	98
113) Carbazole	9.078	167	98752	10.617	ppm	98
114) Di-n-butylphthalate	9.420	149	131214	10.502	ppm	98
115) 4-Nitroquinonline-1-oxide	9.639	190	5105	7.387	ppm	88
116) Fluoranthene	10.041	202	114307	10.420	ppm	96
118) Methyl Parathion	9.211	109	20959	10.283	ppm	92
119) Ethyl Parathion	9.591	97	14936	8.613	ppm	88
120) Methapyrilene	9.704	58	14590	10.231	ppm	86
121) Isodrin	9.880	193	11353	9.381	ppm	89
122) Benzidine	10.201	184	56578	9.264	ppm	96
123) Pyrene	10.292	202	125025	10.054	ppm	97
125) Aramite	10.452	185	13863m	10.729	ppm	
126) p-(Dimethylamino)azobe...	10.645	120	30579	10.002	ppm	94
127) Chlorobenzilate	10.698	139	37706	9.715	ppm	96
128) Butyl benzyl phthalate	11.110	149	64635	10.360	ppm	99
129) 3,3-Dimethylbenzidine	11.094	212	63531	9.519	ppm	98
130) 2-Acetylaminofluorene	11.458	181	43506	8.870	ppm	99
131) 3,3'-Dichlorobenzidine	11.913	252	44464	9.399	ppm	99
132) Benzo(a)anthracene	11.929	228	116485	9.883	ppm	97
133) Chrysene	11.987	228	113098	10.109	ppm	99
134) bis(2-Ethylhexyl)phtha...	12.030	149	84606	9.737	ppm	100
136) Di-n-octyl phthalate	13.287	149	131169	8.679	ppm	99
137) 7,12-Dimethylbenz(a)an...	13.934	256	52637	9.304	ppm	98
138) Benzo(b)Fluoranthene	13.940	252	129973	10.014	ppm	96
139) Benzo(k)fluoranthene	13.999	252	119857	9.893	ppm	95
140) Benzo(a)pyrene	14.619	252	106568	9.854	ppm	91
141) 3-Methylcholanthrene	15.394	268	59784	9.474	ppm	97
142) Indeno(1,2,3-cd)Pyrene	16.764	276	106326	9.610	ppm	97
143) Dibenz(a,h)anthracene	16.812	278	114454	9.711	ppm	97
144) Benzo(g,h,i)perylene	17.181	276	99255	10.199	ppm	97

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

1st DM 04/11/19
2nd BA 04/11/19

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR281.D
Acq On : 14 Mar 2019 3:09 pm
Operator : J.Misiurewicz
Sample : 10 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 7 Sample Multiplier: 1

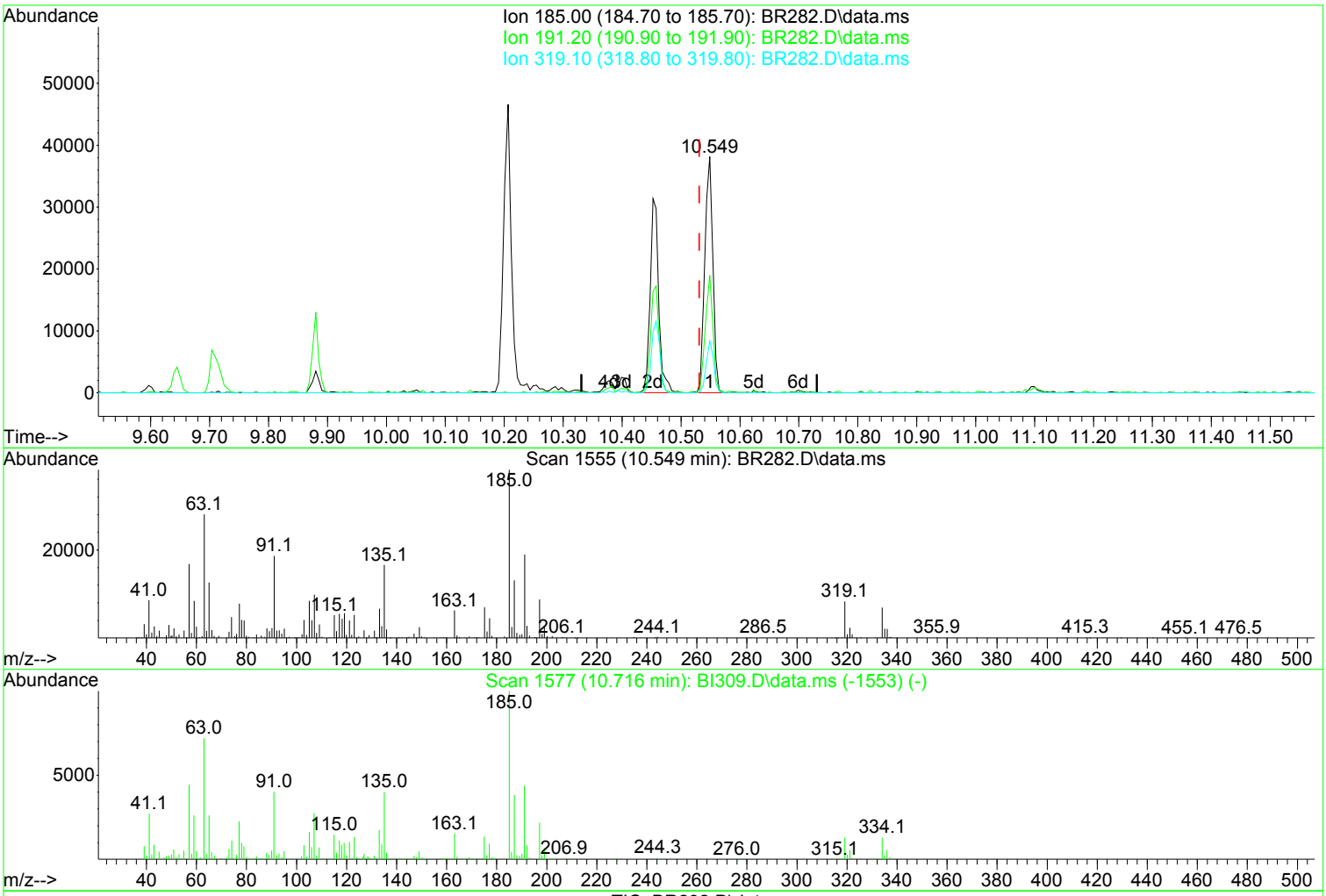
Quant Time: Apr 11 10:30:50 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Tue Apr 09 13:58:51 2019
Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR282.D
Acq On : 14 Mar 2019 3:37 pm
Operator : J.Misiurewicz
Sample : 50 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 11 10:30:55 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Tue Apr 09 13:58:51 2019
Response via : Initial Calibration



TIC: BR282.D\data.ms

(125) Aramite (TM)

10.549min (+ 0.018) 53.05 ppm m

response 68411

Ion	Exp%	Act%
185.00	100.00	100.00
191.20	47.90	49.70
319.10	17.60	21.94
0.00	0.00	0.00

Manual Integration:

After

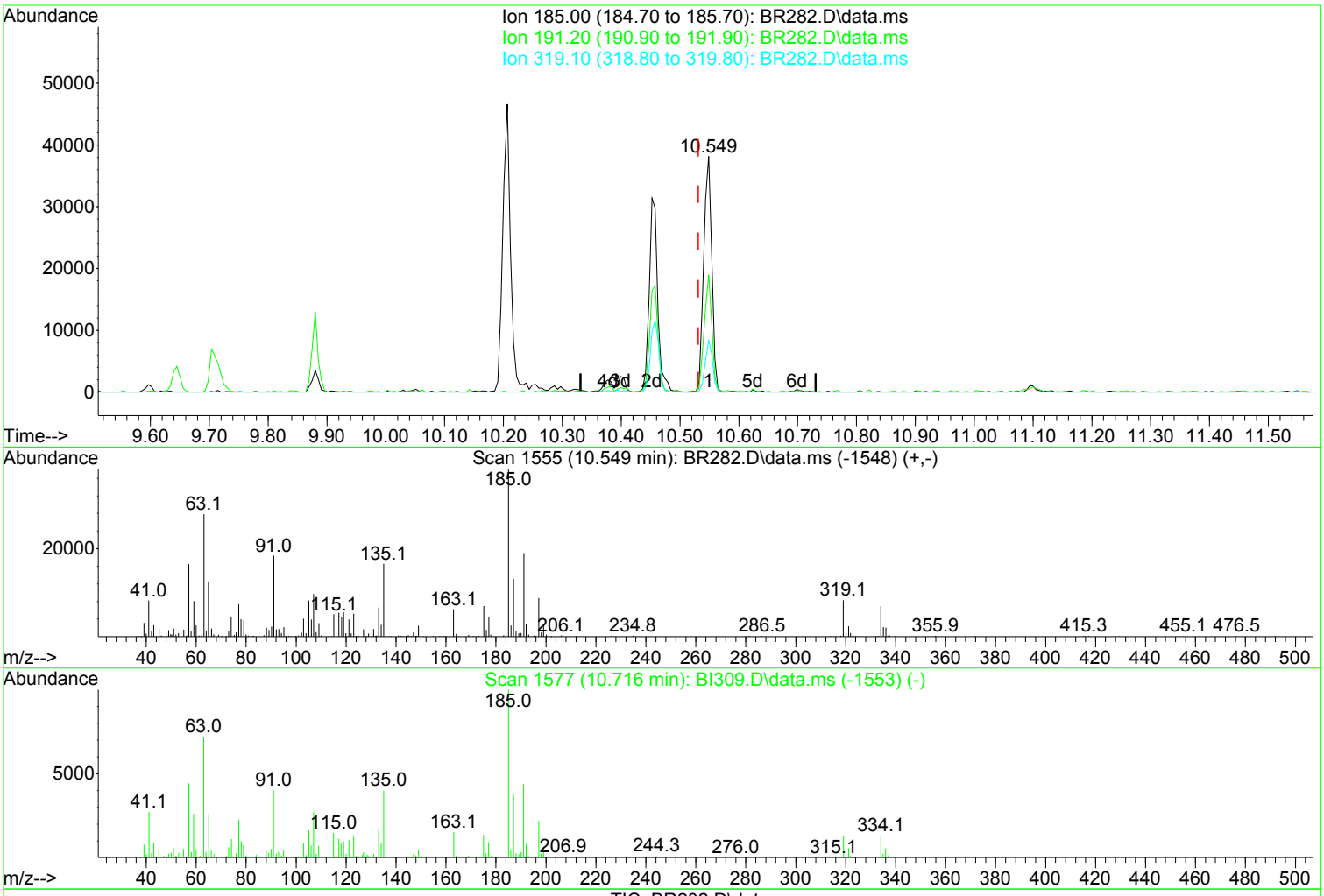
Split Peak.

04/11/19

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR282.D
Acq On : 14 Mar 2019 3:37 pm
Operator : J.Misiurewicz
Sample : 50 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 11 10:30:55 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Tue Apr 09 13:58:51 2019
Response via : Initial Calibration



TIC: BR282.D\data.ms

(125) Aramite (TM)

10.549min (+ 0.018) 28.16 ppm

response 36321

Ion	Exp%	Act%
185.00	100.00	100.00
191.20	47.90	49.70
319.10	17.60	21.81
0.00	0.00	0.00

Manual Integration:

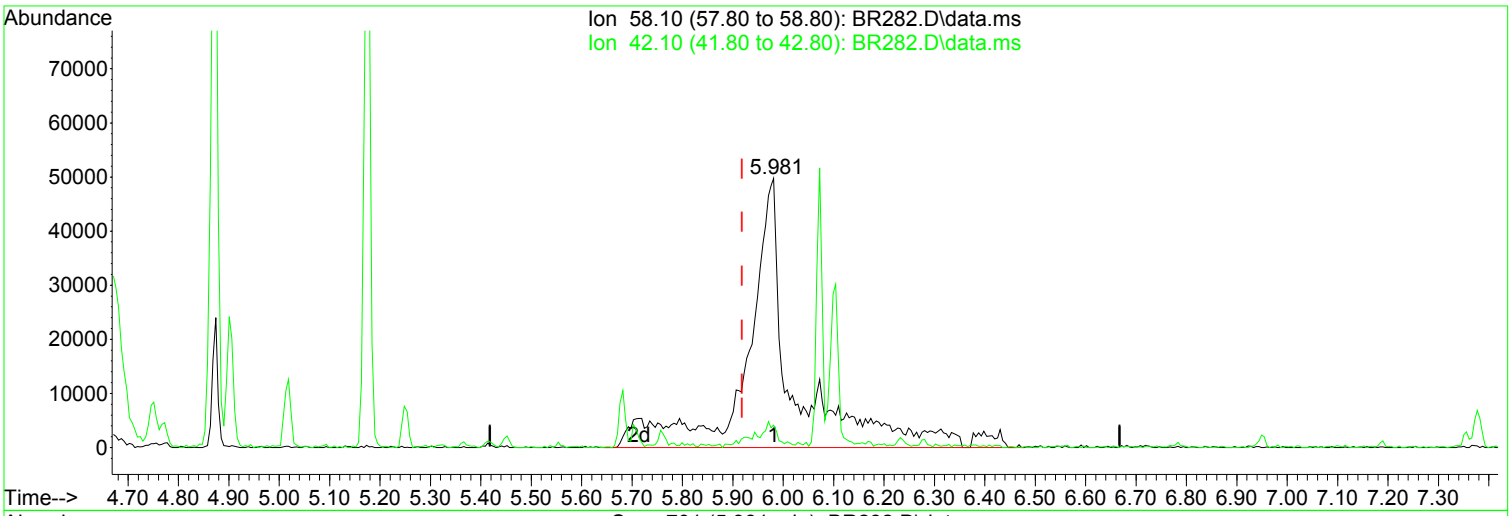
Before

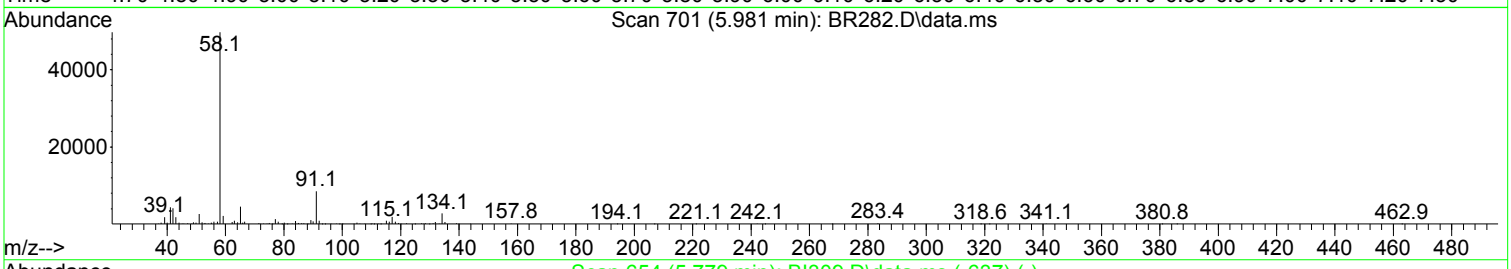
04/11/19

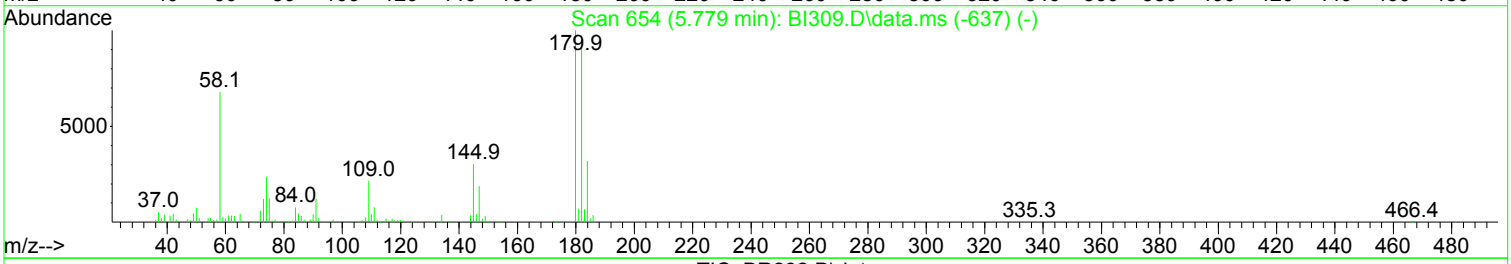
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR282.D
Acq On : 14 Mar 2019 3:37 pm
Operator : J.Misiurewicz
Sample : 50 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 11 10:30:55 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Tue Apr 09 13:58:51 2019
Response via : Initial Calibration







TIC: BR282.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

5.981min (+ 0.063) 50.52 ppm m

response 321811

Ion	Exp%	Act%
58.10	100.00	100.00
42.10	6.70	8.31
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

04/11/19

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR282.D
Acq On : 14 Mar 2019 3:37 pm
Operator : J.Misiurewicz
Sample : 50 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 11 10:30:55 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Tue Apr 09 13:58:51 2019
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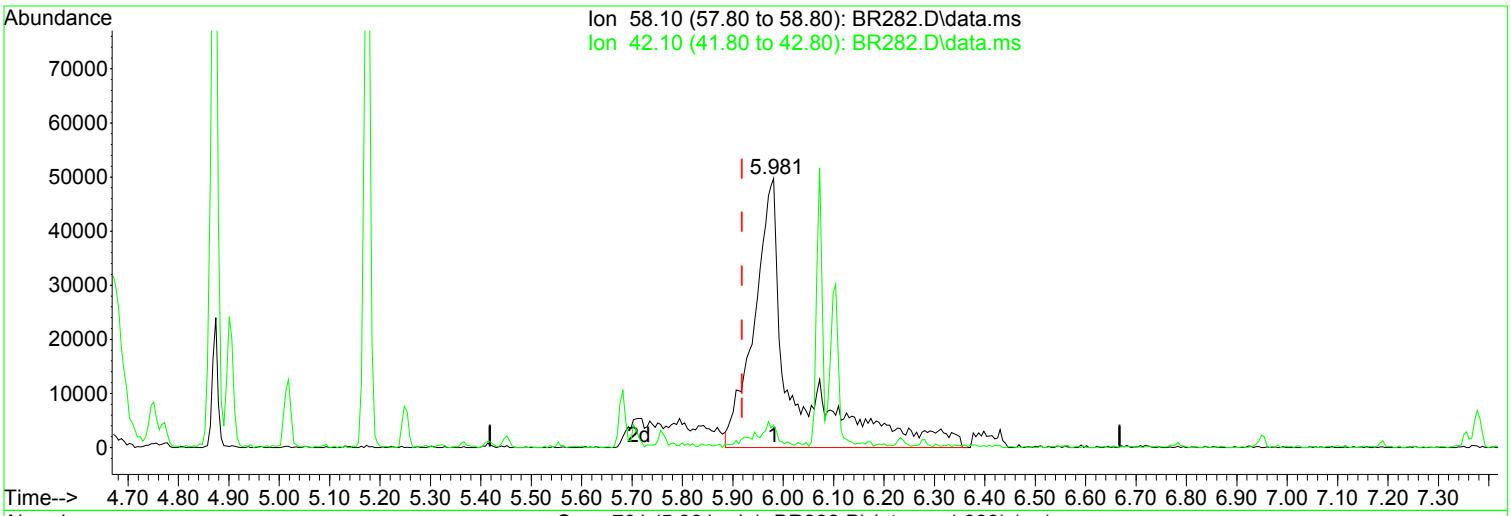
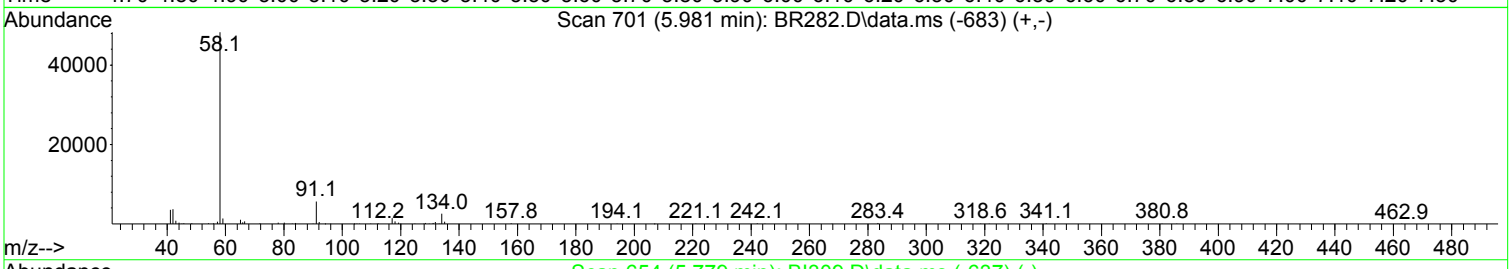
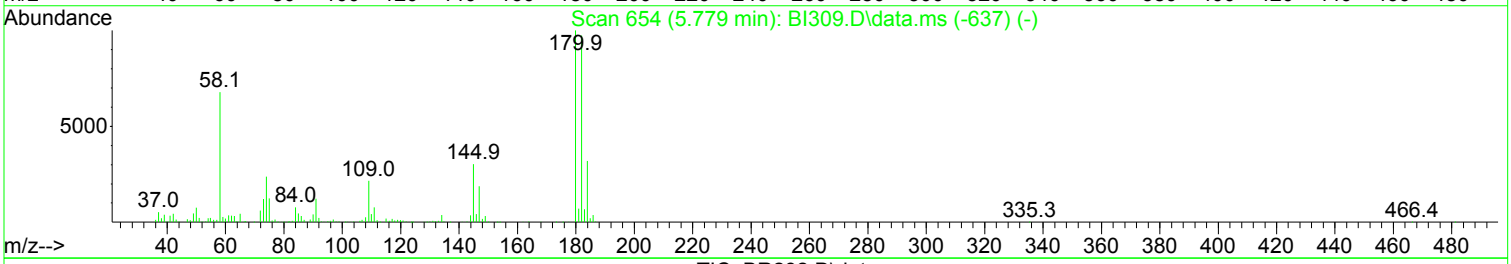






TIC: BR282.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

5.981min (+ 0.063) 41.42 ppm

response 263872

Ion	Exp%	Act%
58.10	100.00	100.00
42.10	6.70	7.74
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

04/11/19

1st DM 04/11/19
2nd BA 04/11/19

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR282.D
Acq On : 14 Mar 2019 3:37 pm
Operator : J.Misiurewicz
Sample : 50 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 11 10:30:55 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Tue Apr 09 13:58:51 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) d4-1,4-Dichlorobenzene	4.515	152	85872	40.00	ppm		0.00
33) d8-Naphthalene	5.681	136	328450	40.00	ppm		0.00
57) d10-Acenaphthene	7.377	164	186040	40.00	ppm		0.00
91) d10-Phenanthrene	8.842	188	325947	40.00	ppm		0.00
117) d12-Chrysene	11.955	240	353514	40.00	ppm		0.00
135) d12-Perylene	14.747	264	372470	40.00	ppm		0.00
System Monitoring Compounds							
7) SURR1,2-FLUOROPHENOL	3.430	112	151145	50.03	ppm		0.00
Spiked Amount 200.000	Range 10 - 70		Recovery = 25.01%				
12) SURR2,PHENOL-D6	4.200	99	192374	51.32	ppm		0.00
Spiked Amount 200.000	Range 10 - 107		Recovery = 25.66%				
34) SURR4,NITROBENZENE-D5	5.018	82	164639	48.65	ppm		0.00
Spiked Amount 100.000	Range 31 - 110		Recovery = 48.65%				
63) SURR5,2-FLUOROBIPHENYL	6.719	172	364731	50.02	ppm		0.00
Spiked Amount 100.000	Range 31 - 118		Recovery = 50.02%				
88) SURR3,2,4,6-TRIBROMOPH...	8.158	330	67816	50.30	ppm		0.00
Spiked Amount 200.000	Range 35 - 141		Recovery = 25.15%#				
124) SURR6,TERPHENYL-D14	10.474	244	457938	51.73	ppm		0.00
Spiked Amount 100.000	Range 10 - 165		Recovery = 51.73%				
Target Compounds							Qvalue
2) Pyridine	2.376	79	145737	51.123	ppm		92
3) N-Nitrosodimethylamine	2.344	74	88646	51.134	ppm		84
4) 2-Picoline	2.970	93	149711	50.618	ppm		97
5) N-Nitrosomethylamine	3.055	42	66779	45.703	ppm		92
6) Methyl Methansulfonate	3.301	80	67252	49.264	ppm		99
8) N-Nitrosodiethylamine	3.611	102	68357	50.501	ppm		99
9) Ethyl Mathanesulfonate	3.863	79	127473	50.705	ppm		93
10) Benzaldehyde	4.146	106	91491	50.605	ppm		97
11) Aniline	4.232	93	254465	50.732	ppm		93
13) Phenol	4.210	94	189626	48.688	ppm		92
14) bis(2-Clethyl)Ether	4.285	93	131141	50.345	ppm		96
15) Pentachloroethane	4.275	117	61219	48.518	ppm		96
16) 2-Chlorophenol	4.339	128	161367	49.036	ppm		95
17) 1,3-Diclbenzene	4.467	146	184847	50.739	ppm		98
18) 1,4-Dichlorobenzene	4.531	146	184491	49.788	ppm		99
19) 1,2-Diclbenzene	4.665	146	175002	48.989	ppm		96
20) Benzyl Alcohol	4.638	79	125185	51.155	ppm		98
21) 1-Methyl-2-pyrrolidinone	4.670	99	102857	50.640	ppm		96
22) 2,2'-oxybis(1-Chloropr...	4.751	45	132764	49.168	ppm	#	80
23) 2-Methylphenol	4.751	108	147321	51.588	ppm		97
24) 3+4-Methylphenol	4.884	108	164667	49.807	ppm		86
25) Acetophenone	4.874	105	213236	49.114	ppm		86
26) N-Nitroso-Di-n-propyla...	4.874	70	116406	51.195	ppm		97
27) N-Nitrosopyrrolidine	4.868	100	79863	49.773	ppm		88
28) N-Nitrosomorpholine	4.900	56	81524	48.271	ppm		95
29) o-Toluidine	4.906	106	235866	50.413	ppm		90
30) Hexachloroethane	4.965	117	74068	49.892	ppm		95
31) o,o,o-Triethylphosphor...	5.419	198	79054	49.343	ppm		99
32) Alpha-terpinol	5.708	121	55962	49.046	ppm		96
35) Nitrobenzene	5.034	77	168671	48.964	ppm		91
36) N-Nitrosopiperidine	5.173	42	96009	49.070	ppm		94
37) Isophorone	5.248	82	297978	51.127	ppm		98
38) 2-Nitrophenol	5.323	139	92328	50.838	ppm		90

1st DM 04/11/19
2nd BA 04/11/19

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR282.D
Acq On : 14 Mar 2019 3:37 pm
Operator : J.Misiurewicz
Sample : 50 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 11 10:30:55 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Tue Apr 09 13:58:51 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) Benzoic Acid	5.457	105	94728	47.530	ppm		97
40) 2,4-Dimethylphenol	5.366	107	167788	50.789	ppm		98
41) bis(-2-Chloroethoxy)Me...	5.451	93	166326	47.875	ppm		99
42) 2,4-Dichlorophenol	5.553	162	142456	51.306	ppm		96
43) a,a-Dimethylphenethyla...	5.981	58	321811m	50.518	ppm		
44) 1,2,4-Trichlorobenzene	5.628	180	155416	49.765	ppm		100
45) Naphthalene	5.703	128	485455	49.792	ppm		99
46) 4-Chloroaniline	5.762	127	193406	48.859	ppm		98
47) 2,6-Dichlorophenol	5.762	162	147302	50.117	ppm		93
48) Hexachlorobutadiene	5.810	225	94761	49.136	ppm		97
49) Hexachloropropene	5.778	213	121065	47.894	ppm		97
50) 4-Chloro-3-methylphenol	6.232	107	134843	50.568	ppm		99
51) N-N-di-n-butylamine	6.072	84	108646	45.399	ppm		98
52) Caprolactam	6.104	113	46371	50.476	ppm		88
53) p-Phenylenediamine	6.115	80	29603	56.623	ppm		95
54) Safrole	6.280	162	126378	49.611	ppm		94
55) 2-Methylnaphthalene	6.366	142	325438	48.893	ppm		99
56) 1-Methylnaphthalene	6.457	142	304356	48.518	ppm		98
58) Hexachlorocyclopentadiene	6.505	237	93784	50.568	ppm		99
59) 1,2,4,5-Tetrachloroben...	6.521	216	163613	49.710	ppm		97
60) 1,2,3,4-Tetrachloroben...	6.799	216	168215	48.982	ppm		96
61) 2,4,6-Trichlorophenol	6.644	196	102053	51.978	ppm		99
62) 2,4,5-Trichlorophenol	6.687	196	111133	51.661	ppm		95
64) Isosafrole	6.783	104	64929	52.553	ppm	#	52
65) 1,1'-Biphenyl	6.821	154	411872	49.207	ppm		98
66) 2-Chloronaphthalene	6.837	162	310663	50.618	ppm		95
67) 2-Nitroaniline	6.949	65	82537	50.539	ppm		98
68) 1,4-Naphthoquinone	7.024	158	96041	54.547	ppm		100
69) m-Dinitrobenzene	7.168	168	56788	51.375	ppm		89
70) Acenaphthylene	7.243	152	504841	51.068	ppm		98
71) Dimethyl phthalate	7.126	163	369226	49.682	ppm		98
72) 2,6-Dinitrotoluene	7.190	165	81125	50.734	ppm		90
73) Acenaphthene	7.409	153	347678	50.314	ppm		96
74) 3-Nitroaniline	7.356	138	89204	50.659	ppm		98
75) 2,4-Dinitrophenol	7.462	184	40714	49.301	ppm		86
76) Dibenzofuran	7.580	168	467350	51.817	ppm		99
77) 2,4-Dinitrotoluene	7.585	165	111984	49.579	ppm		89
78) 4-Nitrophenol	7.548	65	61969	54.136	ppm	#	71
79) Pentachlorobenzene	7.537	250	162283	51.077	ppm		99
80) 1-Napthylamine	7.666	143	216457	49.693	ppm		98
81) 2-Napthylamine	7.746	143	273326	50.535	ppm		95
82) 2,3,4,6-Tetrachlorophenol	7.709	232	89775	49.665	ppm		95
83) Fluorene	7.917	166	377459	51.649	ppm		97
84) 4-Chlorophenyl-phenyle...	7.917	204	168439	51.157	ppm		92
85) Diethylphthalate	7.815	149	384119	49.134	ppm		97
86) 4-Nitroaniline	7.960	138	97026	53.538	ppm		93
87) 5-Nitro-o-toluidine	7.944	152	109486	53.308	ppm		91
89) Sulfotepp	8.195	322	55441	49.403	ppm		91
90) Octachlorocyclopentene	8.158	307	75403	50.816	ppm		97
92) Thionazin	7.890	107	57566	51.953	ppm		95
93) 4,6-Dinitro-2-methylph...	7.981	198	66581	49.721	ppm		92
94) Diphenylamine	8.040	169	555575	101.274	ppm		99
95) 1,2 Diphenylhydrazine	8.078	77	365309	52.077	ppm		96
96) N-Nitrosodiphenylamine	8.040	169	555575	101.266	ppm		99
97) 1,3,5-Trinirobenzene	8.345	213	32292	49.094	ppm		73
98) Diallate	8.318	86	125324	49.293	ppm		98

1st DM 04/11/19
2nd BA 04/11/19

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR282.D
Acq On : 14 Mar 2019 3:37 pm
Operator : J.Misiurewicz
Sample : 50 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 11 10:30:55 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Tue Apr 09 13:58:51 2019
Response via : Initial Calibration

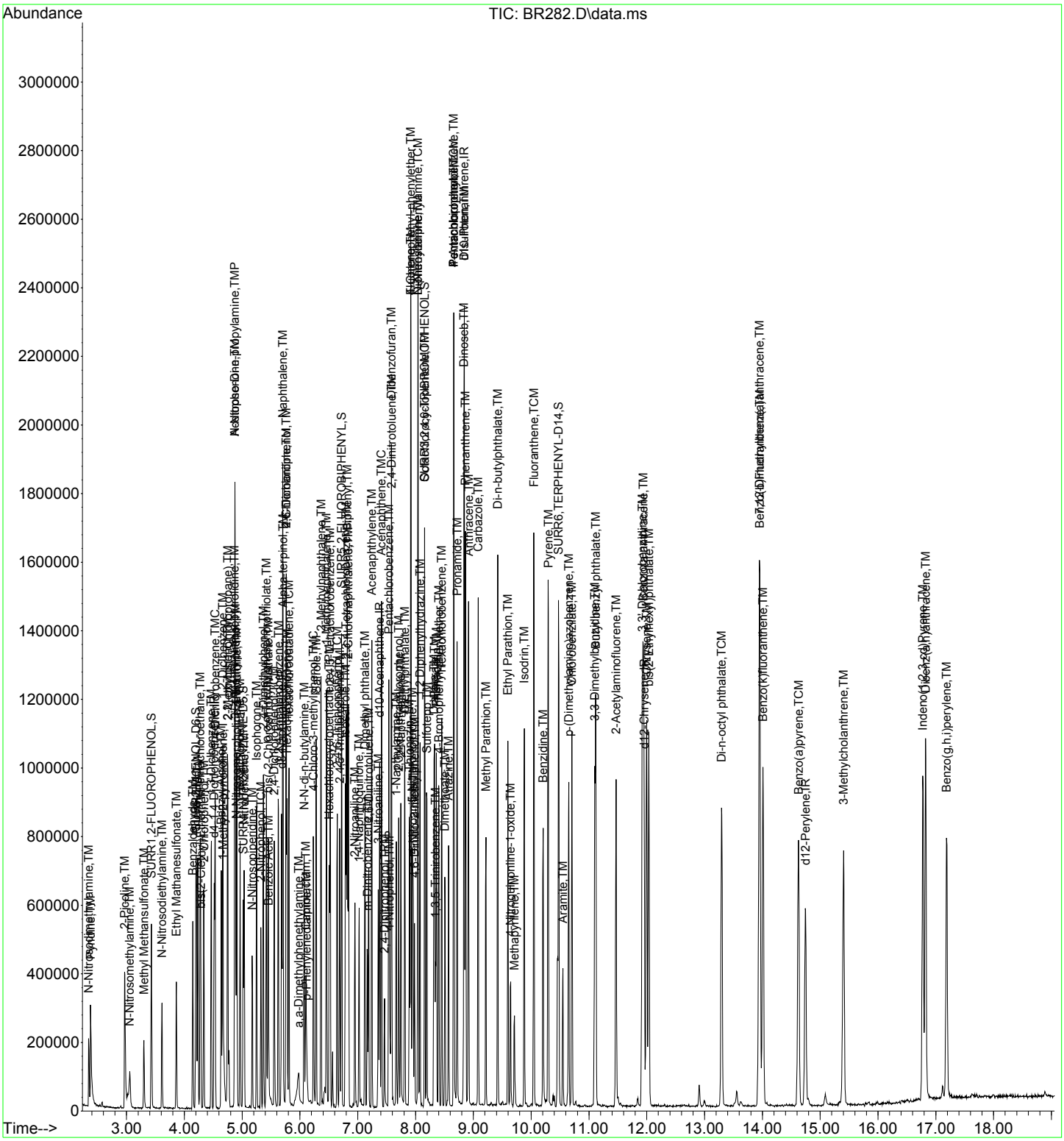
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
99) Phorate	8.329	121	66020	50.520	ppm		97
100) Phenacetin	8.361	108	184642	53.688	ppm		94
101) 4-Bromophenyl-phenylether	8.404	248	105002	51.486	ppm		91
102) Hexachlorobenzene	8.452	284	128921	49.702	ppm		93
103) Dimethoate	8.505	87	115541	54.253	ppm		98
104) Atrazine	8.570	215	37278	52.955	ppm	#	85
105) Pentachlorophenol	8.661	266	71300	50.270	ppm		98
106) 4-Aminobiphenyl	8.661	169	274532	51.398	ppm		99
107) Pentachloronitrobenzene	8.661	237	58186	52.714	ppm		95
108) Pronamide	8.719	173	189491	52.884	ppm		97
109) Dinoseb	8.837	211	93647	49.457	ppm		97
110) Disulfoton	8.842	88	165422	46.449	ppm		90
111) Phenanthrene	8.864	178	532712	50.418	ppm		99
112) Anthracene	8.917	178	532438	51.325	ppm		99
113) Carbazole	9.083	167	515706	52.444	ppm		98
114) Di-n-butylphthalate	9.420	149	714365	54.083	ppm		98
115) 4-Nitroquinonline-1-oxide	9.645	190	37442	51.250	ppm		95
116) Fluoranthene	10.046	202	623625	53.772	ppm		98
118) Methyl Parathion	9.217	109	116090	57.063	ppm		92
119) Ethyl Parathion	9.597	97	88184	50.951	ppm		99
120) Methapyrilene	9.709	58	69913	49.120	ppm		99
121) Isodrin	9.880	193	60023	49.693	ppm		99
122) Benzidine	10.206	184	321439	52.734	ppm		97
123) Pyrene	10.297	202	644525	51.930	ppm		99
125) Aramite	10.549	185	68411m	53.046	ppm		
126) p-(Dimethylamino)azobe...	10.650	120	163171	53.473	ppm		91
127) Chlorobenzilate	10.704	139	203099	52.428	ppm		91
128) Butyl benzyl phthalate	11.116	149	320976	51.546	ppm		98
129) 3,3-Dimethylbenzidine	11.100	212	352737	52.951	ppm		97
130) 2-Acetylaminofluorene	11.469	181	258324	52.769	ppm		97
131) 3,3'-Dichlorobenzidine	11.923	252	248636	52.656	ppm		97
132) Benzo(a)anthracene	11.939	228	604115	51.352	ppm		99
133) Chrysene	11.998	228	559876	50.139	ppm		99
134) bis(2-Ethylhexyl)phtha...	12.036	149	460752	53.125	ppm		99
136) Di-n-octyl phthalate	13.293	149	778578	51.827	ppm		98
137) 7,12-Dimethylbenz(a)an...	13.950	256	287077	51.046	ppm		98
138) Benzo(b)Fluoranthene	13.956	252	654477	50.729	ppm		99
139) Benzo(k)fluoranthene	14.009	252	624522	51.860	ppm		96
140) Benzo(a)pyrene	14.624	252	561510	52.235	ppm		96
141) 3-Methylcholanthrene	15.405	268	328401	52.357	ppm		97
142) Indeno(1,2,3-cd)Pyrene	16.774	276	573370	52.133	ppm		97
143) Dibenz(a,h)anthracene	16.823	278	619576	52.885	ppm		99
144) Benzo(g,h,i)perylene	17.186	276	512507	52.978	ppm		99

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

1st DM 04/11/19
2nd BA 04/11/19

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR282.D
Acq On : 14 Mar 2019 3:37 pm
Operator : J.Misiurewicz
Sample : 50 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 8 Sample Multiplier: 1

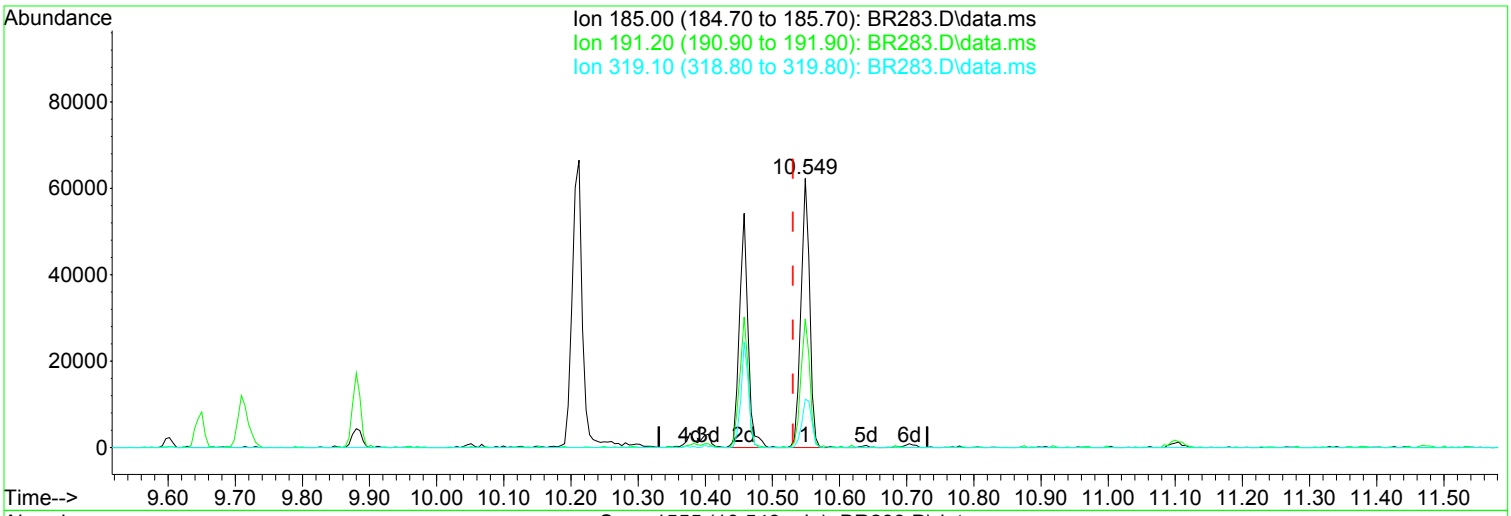
Quant Time: Apr 11 10:30:55 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Tue Apr 09 13:58:51 2019
Response via : Initial Calibration

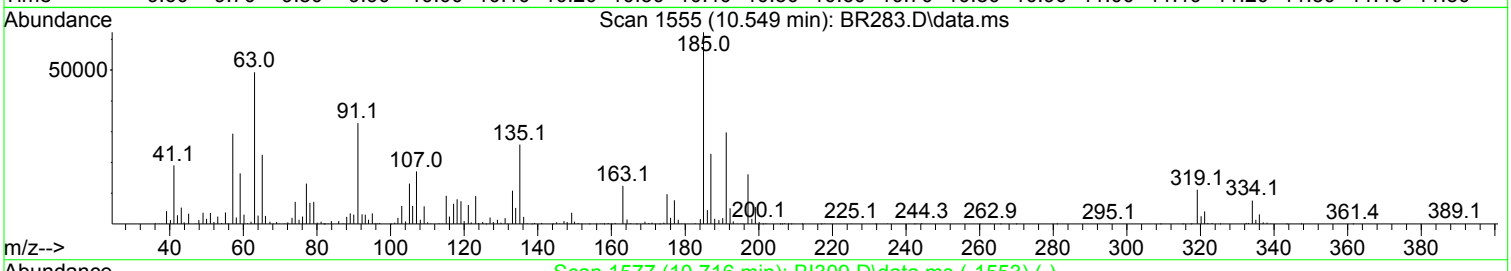


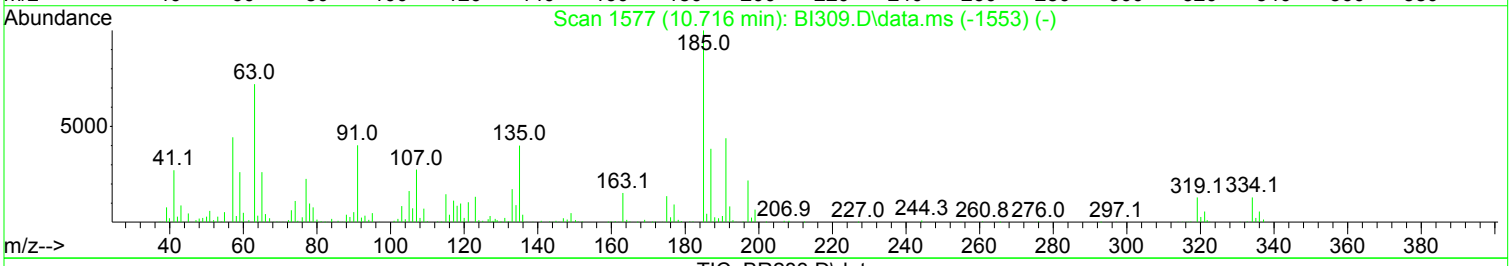
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR283.D
Acq On : 14 Mar 2019 4:06 pm
Operator : J.Misiurewicz
Sample : 80 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 11 10:31:01 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Tue Apr 09 13:58:51 2019
Response via : Initial Calibration







TIC: BR283.D\data.ms

(125) Aramite (TM)

10.549min (+ 0.018) 82.59 ppm m

response 104833

Ion	Exp%	Act%
185.00	100.00	100.00
191.20	47.90	47.78
319.10	17.60	17.93
0.00	0.00	0.00

Manual Integration:

After

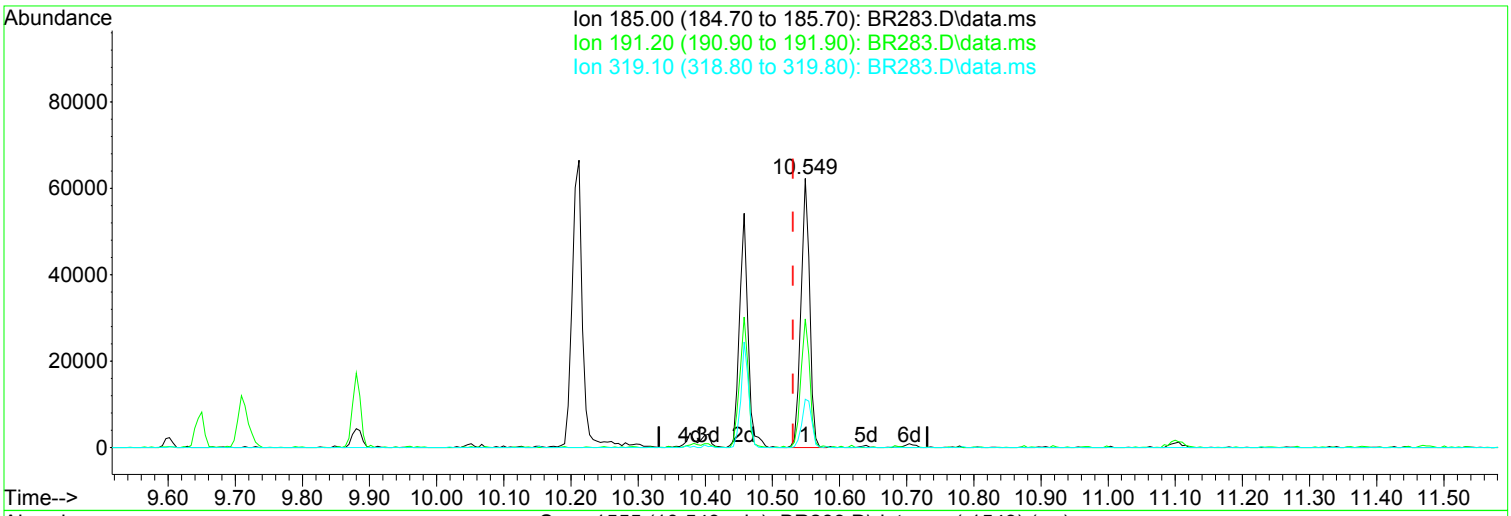
Split Peak.

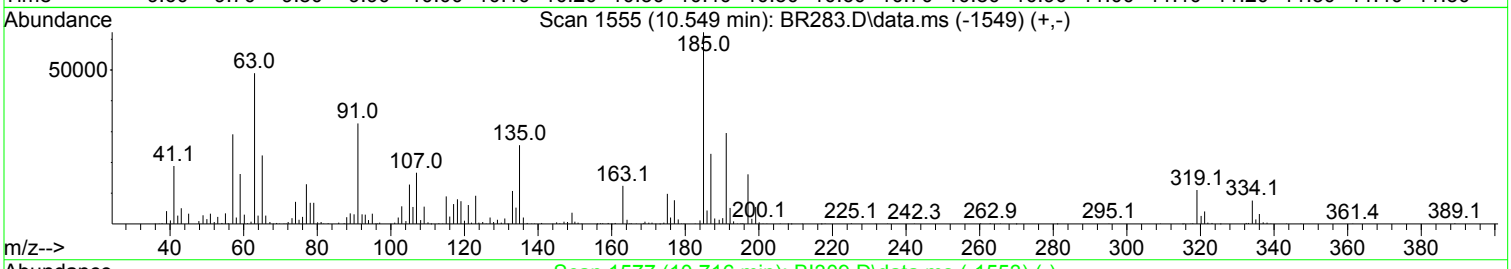
04/11/19

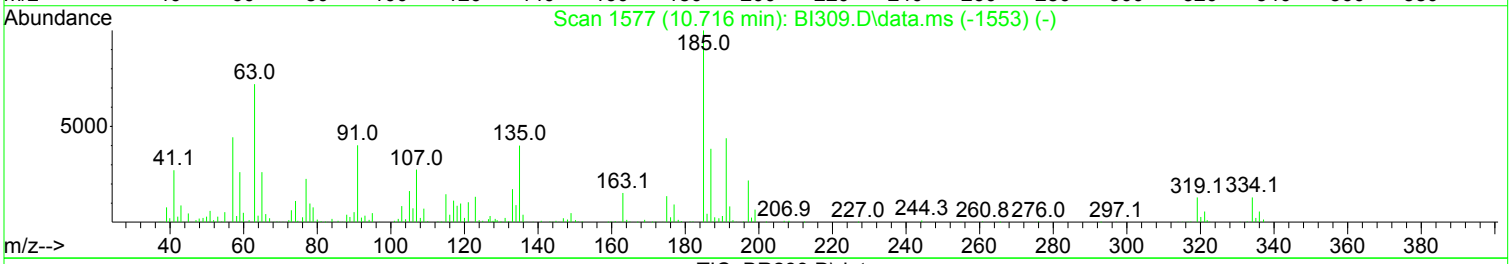
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR283.D
Acq On : 14 Mar 2019 4:06 pm
Operator : J.Misiurewicz
Sample : 80 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 11 10:31:01 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Tue Apr 09 13:58:51 2019
Response via : Initial Calibration







TIC: BR283.D\data.ms

(125) Aramite (TM)

10.549min (+ 0.018) 43.82 ppm

response 55622

Ion	Exp%	Act%
185.00	100.00	100.00
191.20	47.90	47.40
319.10	17.60	17.73
0.00	0.00	0.00

Manual Integration:

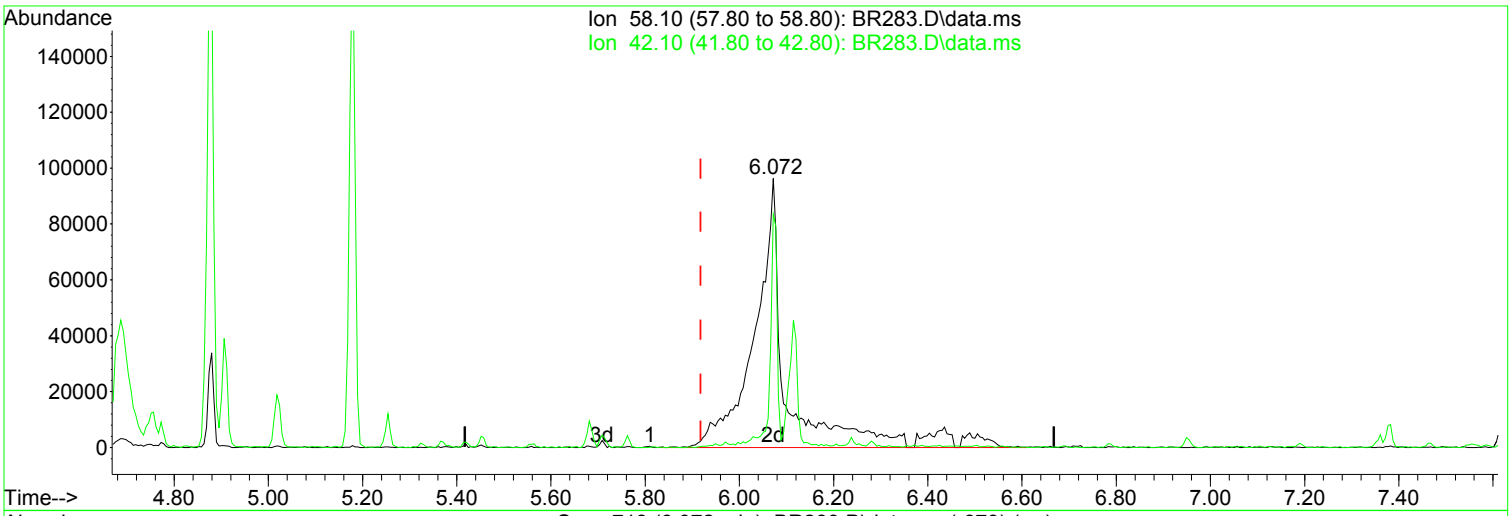
Before

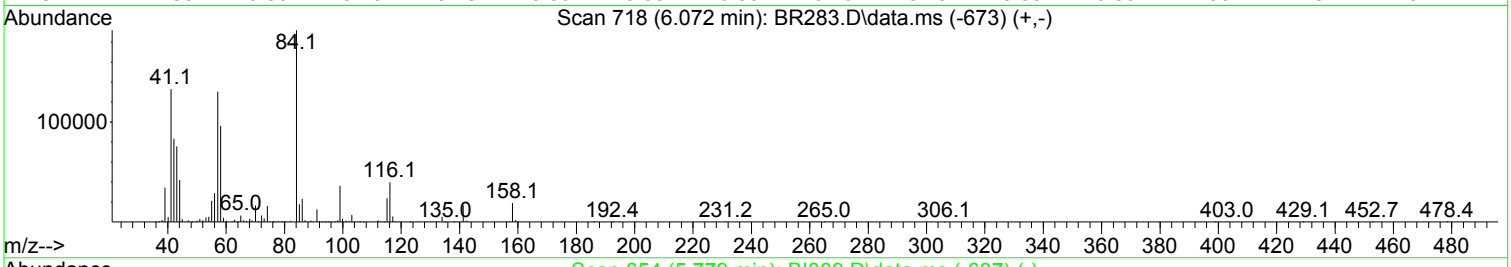
04/11/19

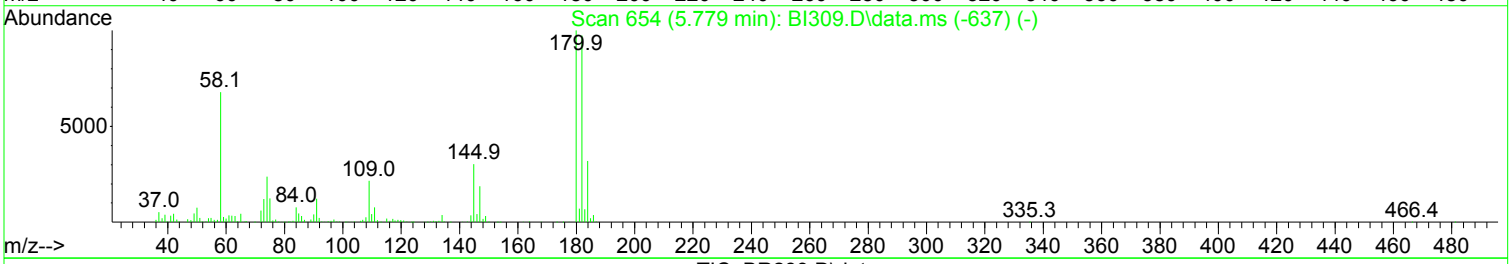
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR283.D
Acq On : 14 Mar 2019 4:06 pm
Operator : J.Misiurewicz
Sample : 80 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 11 10:31:01 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Tue Apr 09 13:58:51 2019
Response via : Initial Calibration







TIC: BR283.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

6.072min (+ 0.154) 74.18 ppm m

response 466466

Ion	Exp%	Act%
58.10	100.00	100.00
42.10	6.70	86.74#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

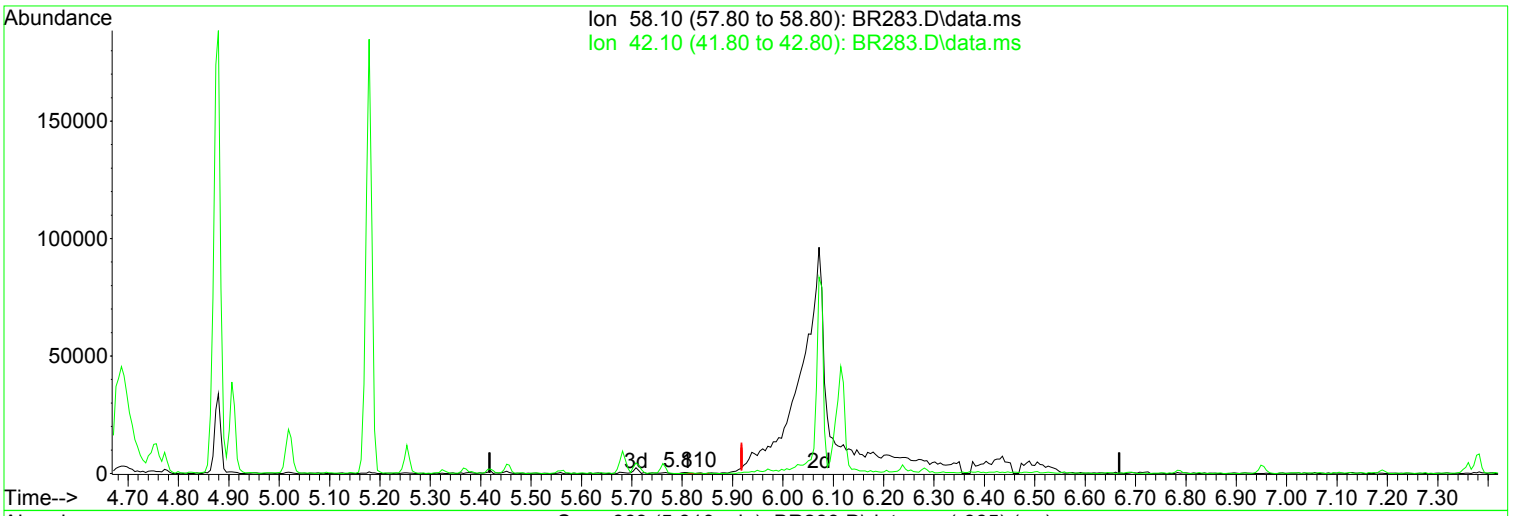
Poor integration.

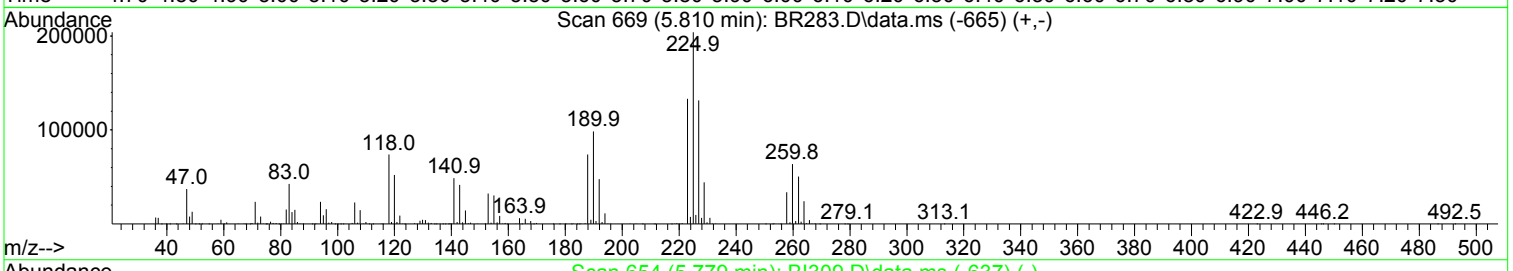
04/11/19

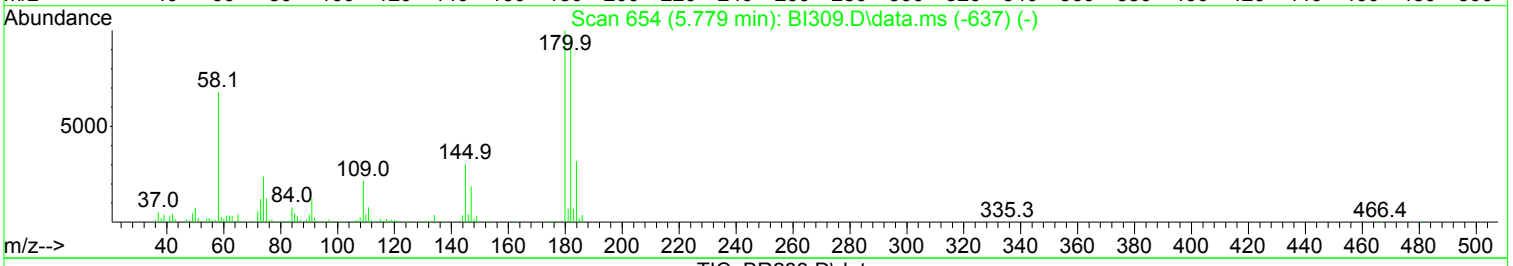
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR283.D
Acq On : 14 Mar 2019 4:06 pm
Operator : J.Misiurewicz
Sample : 80 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 11 10:31:01 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Tue Apr 09 13:58:51 2019
Response via : Initial Calibration







TIC: BR283.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

5.810min (-0.108) 0.08 ppm

response 481

Ion	Exp%	Act%
58.10	100.00	100.00
42.10	6.70	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

04/11/19

1st DM 04/11/19
2nd BA 04/11/19

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR283.D
Acq On : 14 Mar 2019 4:06 pm
Operator : J.Misiurewicz
Sample : 80 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 11 10:31:01 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Tue Apr 09 13:58:51 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.515	152	84537	40.00	ppm	0.00
33) d8-Naphthalene	5.681	136	324210	40.00	ppm	0.00
57) d10-Acenaphthene	7.382	164	182799	40.00	ppm	0.00
91) d10-Phenanthrene	8.842	188	327731	40.00	ppm	0.00
117) d12-Chrysene	11.955	240	347955	40.00	ppm	0.00
135) d12-Perylene	14.747	264	362141	40.00	ppm	0.00
System Monitoring Compounds						
7) SURR1,2-FLUOROPHENOL	3.430	112	244878	82.34	ppm	0.00
Spiked Amount 200.000	Range 10 - 70		Recovery = 41.17%			
12) SURR2,PHENOL-D6	4.200	99	299943	81.28	ppm	0.00
Spiked Amount 200.000	Range 10 - 107		Recovery = 40.64%			
34) SURR4,NITROBENZENE-D5	5.018	82	268447	80.37	ppm	0.00
Spiked Amount 100.000	Range 31 - 110		Recovery = 80.37%			
63) SURR5,2-FLUOROBIPHENYL	6.724	172	601433	83.94	ppm	0.00
Spiked Amount 100.000	Range 31 - 118		Recovery = 83.94%			
88) SURR3,2,4,6-TRIBROMOPH...	8.163	330	111061	83.84	ppm	0.00
Spiked Amount 200.000	Range 35 - 141		Recovery = 41.92%			
124) SURR6,TERPHENYL-D14	10.479	244	709023	81.37	ppm	0.00
Spiked Amount 100.000	Range 10 - 165		Recovery = 81.37%			
Target Compounds						Qvalue
2) Pyridine	2.376	79	236081	84.122	ppm	98
3) N-Nitrosodimethylamine	2.344	74	141928	83.162	ppm	90
4) 2-Picoline	2.964	93	242086	83.144	ppm	97
5) N-Nitrosomethylamine	3.055	42	107386	74.654	ppm	98
6) Methyl Methansulfonate	3.301	80	107946	80.322	ppm	97
8) N-Nitrosodiethylamine	3.617	102	113303	85.028	ppm	83
9) Ethyl Mathanesulfonate	3.863	79	199624	80.658	ppm	97
10) Benzaldehyde	4.146	106	146284	82.190	ppm	97
11) Aniline	4.237	93	403990	81.814	ppm	92
13) Phenol	4.211	94	314899	82.130	ppm	80
14) bis(2-Clethyl)Ether	4.285	93	207961	81.097	ppm	94
15) Pentachloroethane	4.275	117	99206	79.865	ppm	91
16) 2-Chlorophenol	4.339	128	261492	80.716	ppm	98
17) 1,3-Diclbenzene	4.467	146	289397	80.692	ppm	97
18) 1,4-Dichlorobenzene	4.531	146	290584	79.657	ppm	96
19) 1,2-Diclbenzene	4.665	146	284813	80.989	ppm	99
20) Benzyl Alcohol	4.644	79	199850	82.955	ppm	99
21) 1-Methyl-2-pyrrolidinone	4.692	99	164658	82.347	ppm	98
22) 2,2'-oxybis(1-Chloropr...	4.751	45	212985	80.123	ppm	97
23) 2-Methylphenol	4.756	108	231209	82.243	ppm	96
24) 3+4-Methylphenol	4.890	108	274842	84.445	ppm	81
25) Acetophenone	4.879	105	347614	81.329	ppm	84
26) N-Nitroso-Di-n-propyla...	4.879	70	180553	80.661	ppm	90
27) N-Nitrosopyrrolidine	4.879	100	129615	82.055	ppm	93
28) N-Nitrosomorpholine	4.906	56	130263	78.348	ppm	96
29) o-Toluidine	4.911	106	367018	79.684	ppm	70
30) Hexachloroethane	4.965	117	119933	82.063	ppm	97
31) o,o,o-Triethylphosphor...	5.419	198	129112	81.860	ppm	95
32) Alpha-terpinol	5.708	121	94933	84.515	ppm	94
35) Nitrobenzene	5.040	77	275659	81.068	ppm	91
36) N-Nitrosopiperidine	5.179	42	151153	78.264	ppm	94
37) Isophorone	5.254	82	463022	80.485	ppm	99
38) 2-Nitrophenol	5.328	139	143710	80.164	ppm	94

1st DM 04/11/19
2nd BA 04/11/19

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR283.D
Acq On : 14 Mar 2019 4:06 pm
Operator : J.Misiurewicz
Sample : 80 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 11 10:31:01 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Tue Apr 09 13:58:51 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) Benzoic Acid	5.478	105	165815	84.287	ppm		92
40) 2,4-Dimethylphenol	5.371	107	263764	80.884	ppm		96
41) bis(-2-Chloroethoxy)Me...	5.451	93	271099	79.053	ppm		98
42) 2,4-Dichlorophenol	5.558	162	226283	82.563	ppm		97
43) a,a-Dimethylphenethyla...	6.072	58	466466m	74.183	ppm		
44) 1,2,4-Trichlorobenzene	5.628	180	241377	78.301	ppm		97
45) Naphthalene	5.703	128	766774	79.675	ppm		99
46) 4-Chloroaniline	5.762	127	313497	80.232	ppm		96
47) 2,6-Dichlorophenol	5.767	162	235222	81.077	ppm		96
48) Hexachlorobutadiene	5.810	225	149193	78.372	ppm		100
49) Hexachloropropene	5.778	213	198803	79.676	ppm		99
50) 4-Chloro-3-methylphenol	6.238	107	215147	81.738	ppm		95
51) N-N-di-n-butylamine	6.077	84	173240	73.337	ppm		93
52) Caprolactam	6.120	113	72086	79.494	ppm		83
53) p-Phenylenediamine	6.120	80	40452	78.386	ppm		92
54) Safrole	6.280	162	195092	77.588	ppm		96
55) 2-Methylnaphthalene	6.366	142	518912	78.980	ppm		98
56) 1-Methylnaphthalene	6.462	142	491368	79.355	ppm		98
58) Hexachlorocyclopentadiene	6.510	237	156853	82.062	ppm		96
59) 1,2,4,5-Tetrachloroben...	6.526	216	261368	80.818	ppm		96
60) 1,2,3,4-Tetrachloroben...	6.805	216	275643	81.686	ppm		96
61) 2,4,6-Trichlorophenol	6.644	196	168404	87.292	ppm		97
62) 2,4,5-Trichlorophenol	6.692	196	169532	80.206	ppm		98
64) Isosafrole	6.789	104	101652	83.735	ppm		97
65) 1,1'-Biphenyl	6.821	154	663132	80.630	ppm		100
66) 2-Chloronaphthalene	6.842	162	480874	79.741	ppm		95
67) 2-Nitroaniline	6.954	65	131940	82.221	ppm		96
68) 1,4-Naphthoquinone	7.024	158	145719	84.230	ppm		92
69) m-Dinitrobenzene	7.168	168	93252	85.858	ppm		97
70) Acenaphthylene	7.243	152	799915	82.352	ppm		99
71) Dimethyl phthalate	7.126	163	578357	79.203	ppm		100
72) 2,6-Dinitrotoluene	7.190	165	134089	85.343	ppm		100
73) Acenaphthene	7.414	153	557609	82.124	ppm		99
74) 3-Nitroaniline	7.361	138	145113	83.871	ppm		99
75) 2,4-Dinitrophenol	7.468	184	72577	81.959	ppm		83
76) Dibenzofuran	7.586	168	731453	82.538	ppm		95
77) 2,4-Dinitrotoluene	7.586	165	185961	83.791	ppm		99
78) 4-Nitrophenol	7.548	65	97024	86.263	ppm	#	78
79) Pentachlorobenzene	7.537	250	246730	79.033	ppm		99
80) 1-Napthylamine	7.671	143	342578	80.041	ppm		95
81) 2-Napthylamine	7.746	143	430675	81.038	ppm		96
82) 2,3,4,6-Tetrachlorophenol	7.709	232	146465	82.463	ppm		94
83) Fluorene	7.922	166	576684	80.309	ppm		99
84) 4-Chlorophenyl-phenyle...	7.922	204	258565	79.922	ppm		98
85) Diethylphthalate	7.816	149	618091	80.463	ppm		98
86) 4-Nitroaniline	7.965	138	150198	84.347	ppm		98
87) 5-Nitro-o-toluidine	7.949	152	170358	84.417	ppm		94
89) Sulfotepp	8.195	322	88337	80.111	ppm		92
90) Octachlorocyclopentene	8.158	307	124030	85.069	ppm		97
92) Thionazin	7.896	107	91284	81.934	ppm		96
93) 4,6-Dinitro-2-methylph...	7.987	198	112937	83.879	ppm		95
94) Diphenylamine	8.046	169	887614	160.920	ppm		99
95) 1,2 Diphenylhydrazine	8.078	77	561995	79.680	ppm		98
96) N-Nitrosodiphenylamine	8.046	169	887614	160.907	ppm		99
97) 1,3,5-Trinirobenzene	8.350	213	56386	85.258	ppm		69
98) Diallate	8.318	86	202099	79.058	ppm		96

1st DM 04/11/19
2nd BA 04/11/19

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR283.D
Acq On : 14 Mar 2019 4:06 pm
Operator : J.Misiurewicz
Sample : 80 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 11 10:31:01 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Tue Apr 09 13:58:51 2019
Response via : Initial Calibration

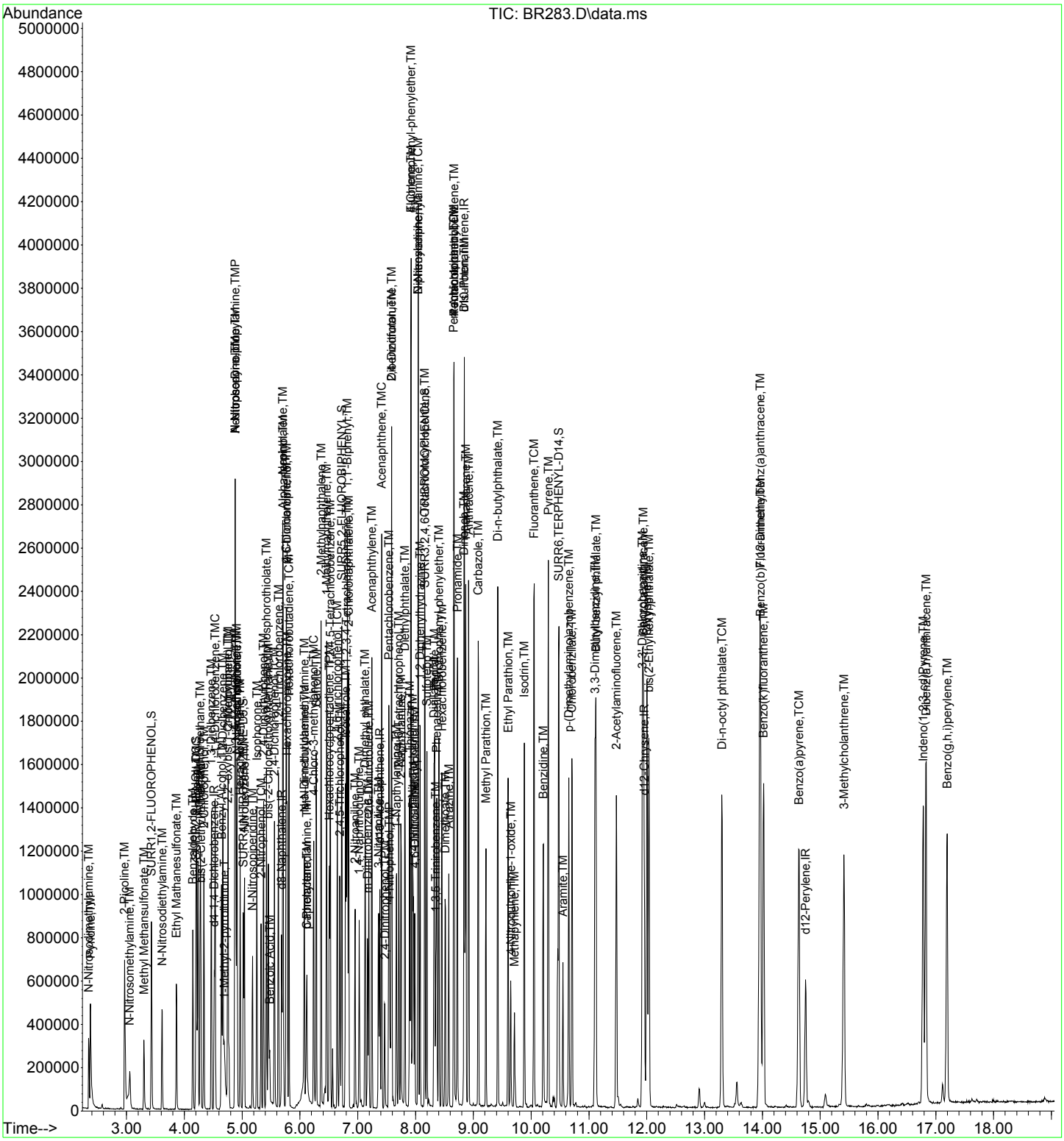
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
99) Phorate	8.329	121	106830	81.304 ppm	96
100) Phenacetin	8.366	108	304353	88.014 ppm	98
101) 4-Bromophenyl-phenylether	8.404	248	165455	80.686 ppm	92
102) Hexachlorobenzene	8.457	284	199463	76.478 ppm	98
103) Dimethoate	8.511	87	171219	79.960 ppm	97
104) Atrazine	8.575	215	54712	77.298 ppm	96
105) Pentachlorophenol	8.661	266	119644	83.896 ppm	97
106) 4-Aminobiphenyl	8.666	169	463094	86.228 ppm	98
107) Pentachloronitrobenzene	8.666	237	93087	83.873 ppm	95
108) Pronamide	8.725	173	313455	87.005 ppm	95
109) Dinoseb	8.837	211	161890	85.032 ppm	98
110) Disulfoton	8.842	88	267267	74.638 ppm	93
111) Phenanthrene	8.869	178	855570	80.533 ppm	98
112) Anthracene	8.917	178	851116	81.597 ppm	99
113) Carbazole	9.083	167	824479	83.388 ppm	99
114) Di-n-butylphthalate	9.420	149	1142386	86.017 ppm	99
115) 4-Nitroquinonline-1-oxide	9.650	190	61925	84.300 ppm	92
116) Fluoranthene	10.051	202	981890	84.203 ppm	98
118) Methyl Parathion	9.217	109	171536	85.665 ppm	97
119) Ethyl Parathion	9.602	97	148175	86.981 ppm	98
120) Methapyrilene	9.709	58	116023	82.819 ppm	99
121) Isodrin	9.880	193	96981	81.573 ppm	98
122) Benzidine	10.212	184	511272	85.217 ppm	98
123) Pyrene	10.297	202	1030744	84.375 ppm	99
125) Aramite	10.549	185	104833m	82.587 ppm	
126) p-(Dimethylamino)azobe...	10.650	120	262470	87.389 ppm	97
127) Chlorobenzilate	10.704	139	325337	85.324 ppm	97
128) Butyl benzyl phthalate	11.121	149	515688	84.138 ppm	99
129) 3,3-Dimethylbenzidine	11.105	212	565806	86.293 ppm	99
130) 2-Acetylaminofluorene	11.474	181	418610	86.877 ppm	99
131) 3,3'-Dichlorobenzidine	11.923	252	395703	85.140 ppm	98
132) Benzo(a)anthracene	11.939	228	955833	82.547 ppm	99
133) Chrysene	12.004	228	891288	81.093 ppm	99
134) bis(2-Ethylhexyl)phtha...	12.036	149	734713	86.066 ppm	95
136) Di-n-octyl phthalate	13.298	149	1242552	85.071 ppm	98
137) 7,12-Dimethylbenz(a)an...	13.961	256	461526	84.405 ppm	97
138) Benzo(b)Fluoranthene	13.966	252	1044537	83.272 ppm	98
139) Benzo(k)fluoranthene	14.020	252	958102	81.829 ppm	96
140) Benzo(a)pyrene	14.635	252	887654	84.930 ppm	98
141) 3-Methylcholanthrene	15.411	268	513112	84.138 ppm	98
142) Indeno(1,2,3-cd)Pyrene	16.785	276	894878	83.687 ppm	96
143) Dibenz(a,h)anthracene	16.833	278	952659	83.635 ppm	97
144) Benzo(g,h,i)perylene	17.197	276	766458	81.488 ppm	98

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

1st DM 04/11/19
2nd BA 04/11/19

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR283.D
Acq On : 14 Mar 2019 4:06 pm
Operator : J.Misiurewicz
Sample : 80 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 9 Sample Multiplier: 1

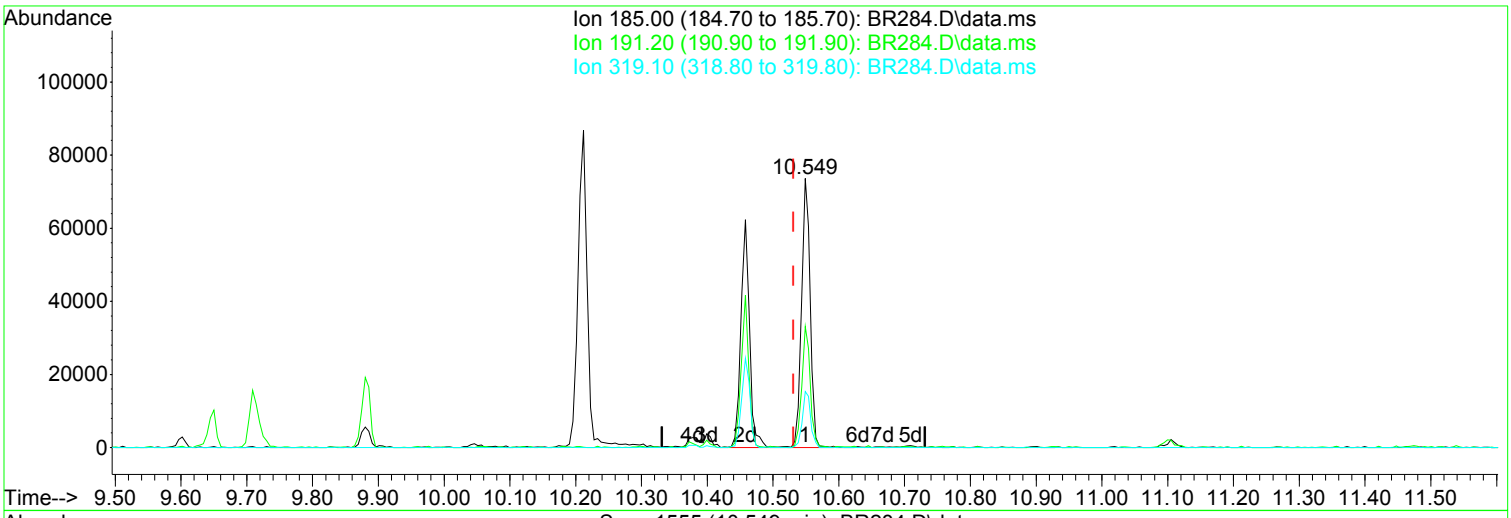
Quant Time: Apr 11 10:31:01 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Tue Apr 09 13:58:51 2019
Response via : Initial Calibration

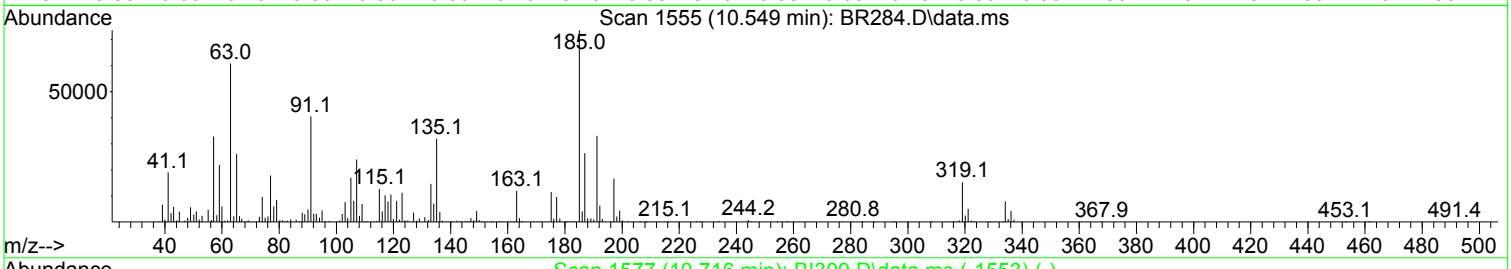


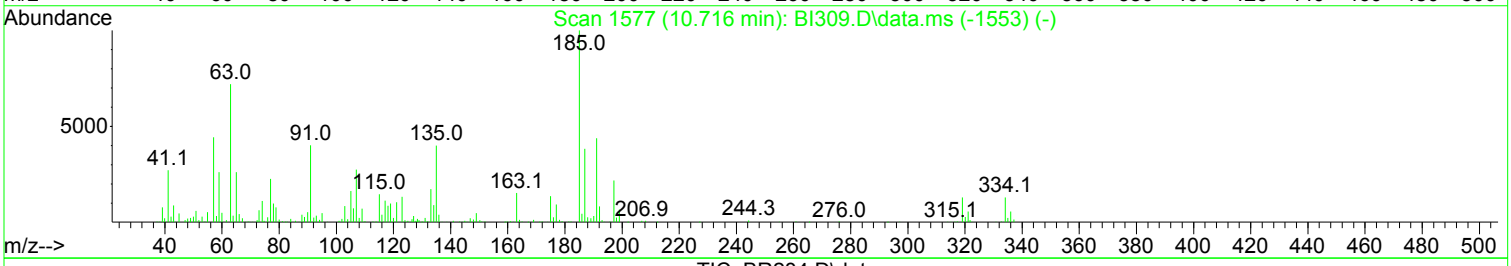
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR284.D
Acq On : 14 Mar 2019 4:34 pm
Operator : J.Misiurewicz
Sample : 100 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 11 10:31:06 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Tue Apr 09 13:58:51 2019
Response via : Initial Calibration







TIC: BR284.D\data.ms

(125) Aramite (TM)

10.549min (+ 0.018) 99.57 ppm m

response 125765

Ion	Exp%	Act%
185.00	100.00	100.00
191.20	47.90	44.97
319.10	17.60	20.85
0.00	0.00	0.00

Manual Integration:

After

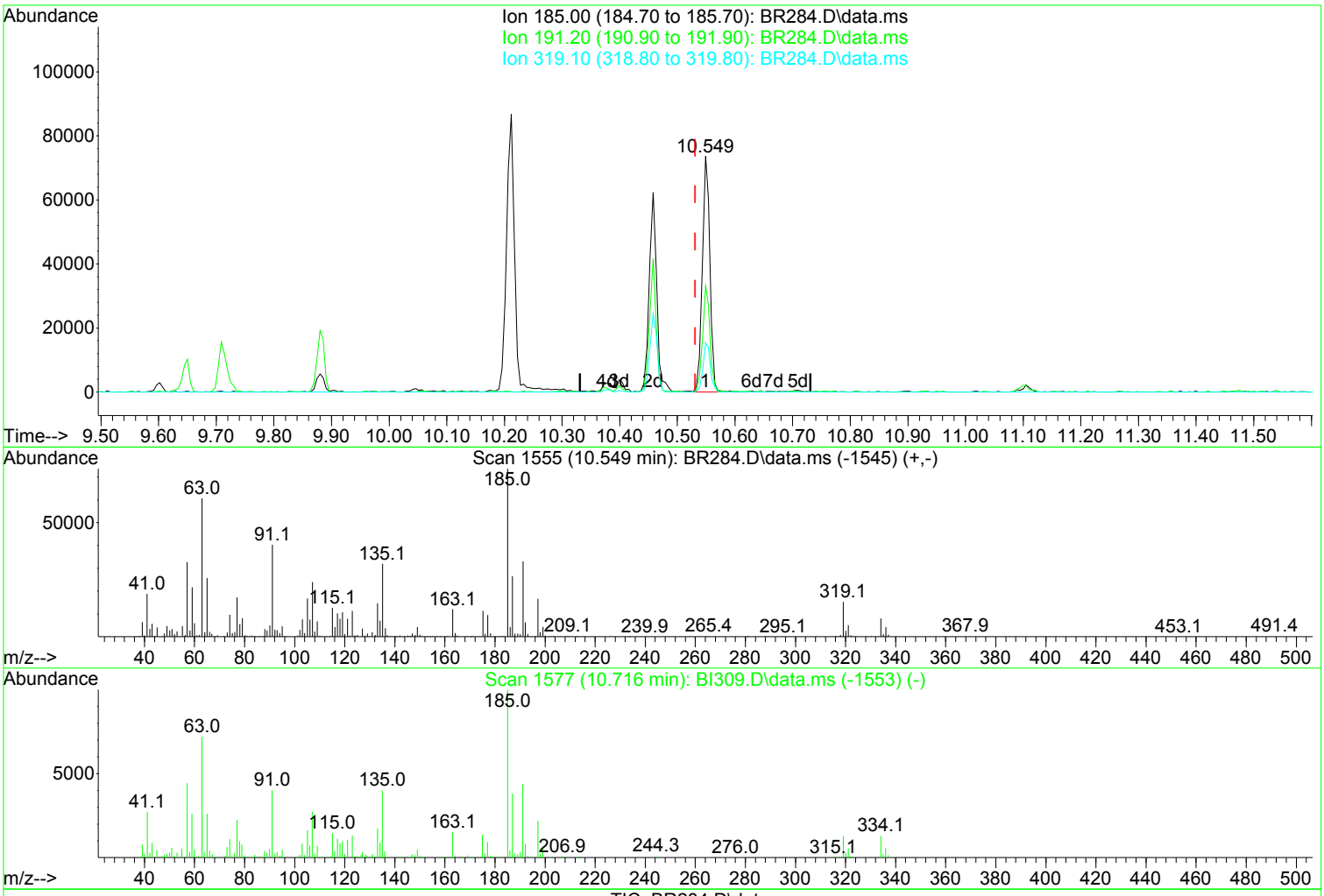
Split Peak.

04/11/19

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR284.D
Acq On : 14 Mar 2019 4:34 pm
Operator : J.Misiurewicz
Sample : 100 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 11 10:31:06 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Tue Apr 09 13:58:51 2019
Response via : Initial Calibration



TIC: BR284.D\data.ms

(125) Aramite (TM)

10.549min (+ 0.018) 54.46 ppm

response 68794

Ion	Exp%	Act%
185.00	100.00	100.00
191.20	47.90	44.54
319.10	17.60	20.80
0.00	0.00	0.00

Manual Integration:

Before

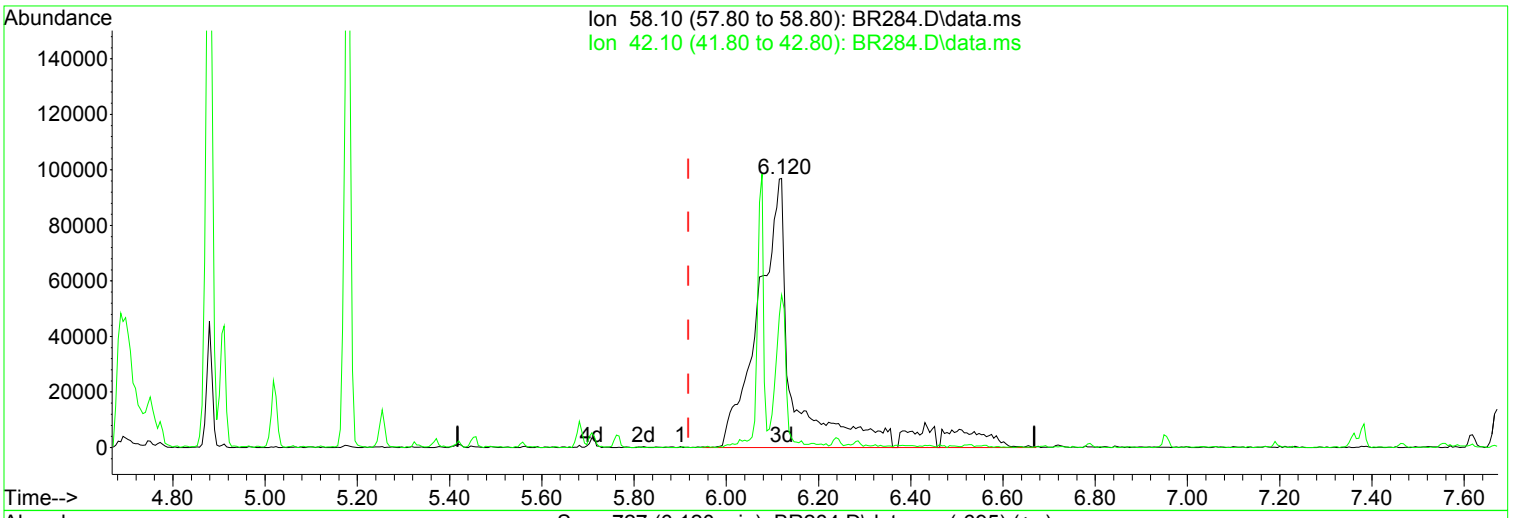
04/11/19

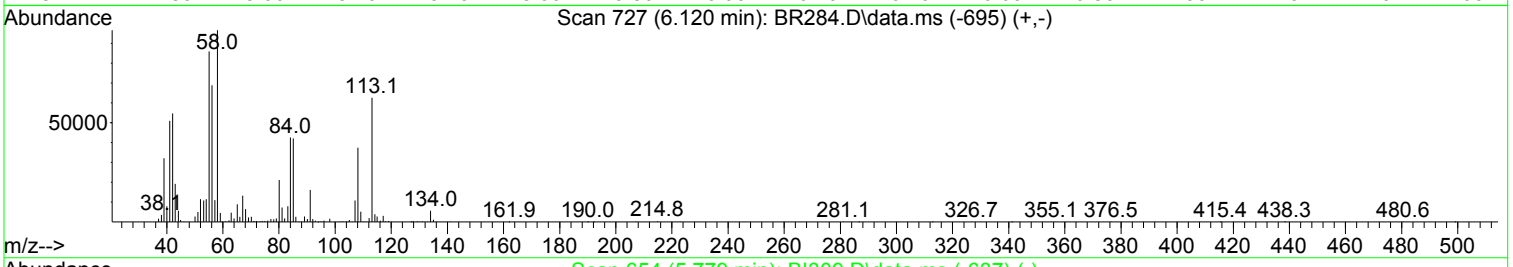
1st DM 04/11/19
2nd BA 04/11/19

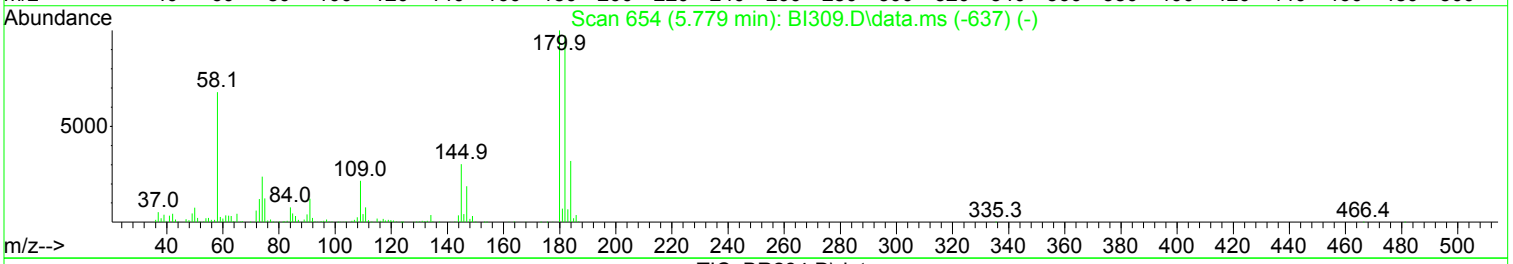
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR284.D
Acq On : 14 Mar 2019 4:34 pm
Operator : J.Misiurewicz
Sample : 100 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 11 10:31:06 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Tue Apr 09 13:58:51 2019
Response via : Initial Calibration







TIC: BR284.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

6.120min (+ 0.202) 91.49 ppm m

response 558418

Ion	Exp%	Act%
58.10	100.00	100.00
42.10	6.70	56.72#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

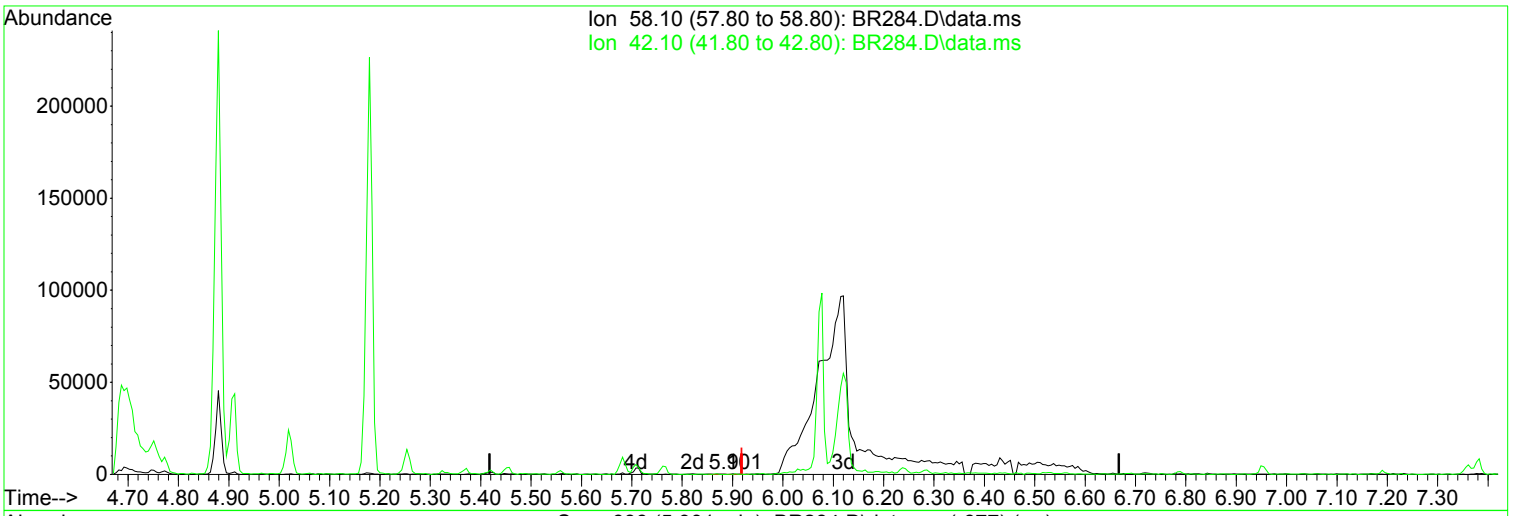
Poor integration.

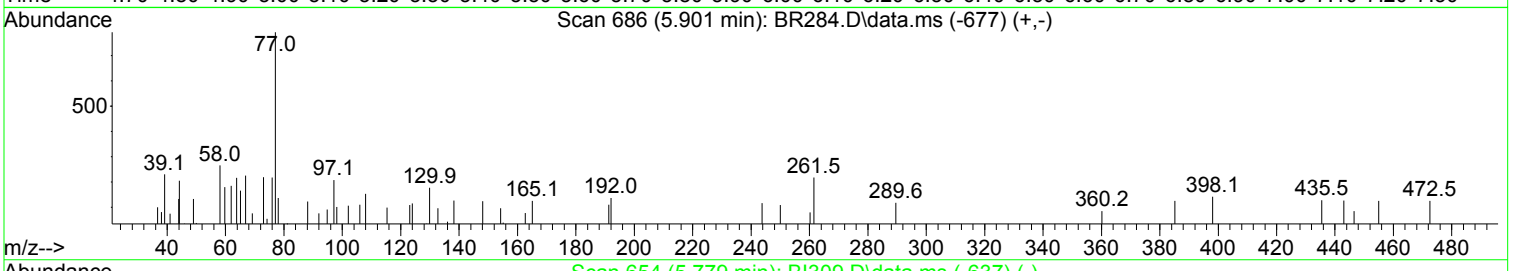
04/11/19

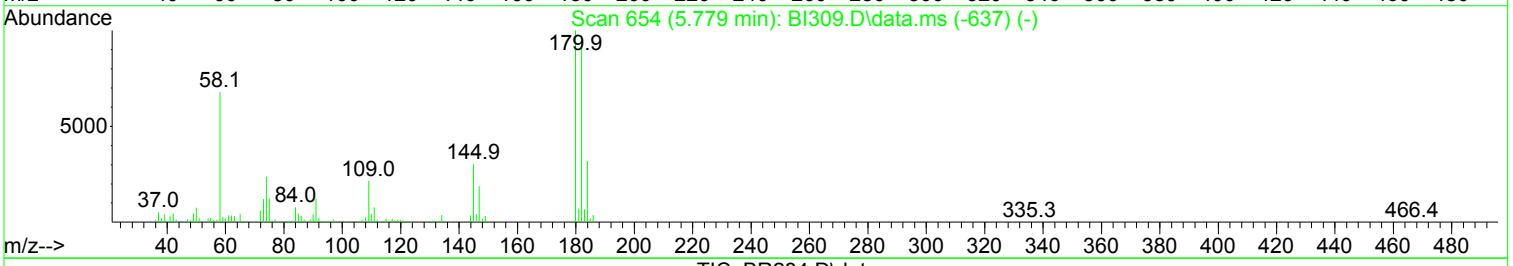
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR284.D
Acq On : 14 Mar 2019 4:34 pm
Operator : J.Misiurewicz
Sample : 100 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 11 10:31:06 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Tue Apr 09 13:58:51 2019
Response via : Initial Calibration







TIC: BR284.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

5.901min (-0.017) 0.07 ppm

response 443

Ion	Exp%	Act%
58.10	100.00	100.00
42.10	6.70	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

04/11/19

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR284.D
Acq On : 14 Mar 2019 4:34 pm
Operator : J.Misiurewicz
Sample : 100 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 11 10:31:06 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Tue Apr 09 13:58:51 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.515	152	83743	40.00	ppm	0.00
33) d8-Naphthalene	5.681	136	314705	40.00	ppm	0.00
57) d10-Acenaphthene	7.382	164	182443	40.00	ppm	0.00
91) d10-Phenanthrene	8.843	188	322746	40.00	ppm	0.00
117) d12-Chrysene	11.961	240	346237	40.00	ppm	0.00
135) d12-Perylene	14.747	264	353039	40.00	ppm	0.00
System Monitoring Compounds						
7) SURR1,2-FLUOROPHENOL	3.430	112	301073	102.19	ppm	0.00
Spiked Amount 200.000	Range 10 - 70		Recovery = 51.09%			
12) SURR2,PHENOL-D6	4.200	99	375001	102.58	ppm	0.00
Spiked Amount 200.000	Range 10 - 107		Recovery = 51.29%			
34) SURR4,NITROBENZENE-D5	5.018	82	322111	99.35	ppm	0.00
Spiked Amount 100.000	Range 31 - 110		Recovery = 99.35%			
63) SURR5,2-FLUOROBIPHENYL	6.724	172	708398	99.06	ppm	0.00
Spiked Amount 100.000	Range 31 - 118		Recovery = 99.06%			
88) SURR3,2,4,6-TRIBROMOPH...	8.163	330	133076	100.66	ppm	0.00
Spiked Amount 200.000	Range 35 - 141		Recovery = 50.33%			
124) SURR6,TERPHENYL-D14	10.479	244	850886	98.13	ppm	0.00
Spiked Amount 100.000	Range 10 - 165		Recovery = 98.13%			
Target Compounds						Qvalue
2) Pyridine	2.376	79	288775	103.874	ppm	97
3) N-Nitrosodimethylamine	2.349	74	171770	101.602	ppm	93
4) 2-Picoline	2.964	93	299952	103.994	ppm	97
5) N-Nitrosomethylamine	3.055	42	126070	88.474	ppm	95
6) Methyl Methansulfonate	3.301	80	136394	102.452	ppm	94
8) N-Nitrosodiethylamine	3.617	102	133670	101.263	ppm	92
9) Ethyl Mathanesulfonate	3.863	79	235548	96.075	ppm	93
10) Benzaldehyde	4.146	106	165208	93.703	ppm	97
11) Aniline	4.237	93	483434	98.831	ppm	91
13) Phenol	4.211	94	380627	100.214	ppm	78
14) bis(2-Clethyl)Ether	4.285	93	251952	99.183	ppm	93
15) Pentachloroethane	4.275	117	114987	93.447	ppm	94
16) 2-Chlorophenol	4.339	128	320347	99.821	ppm	99
17) 1,3-Diclbenzene	4.467	146	350383	98.623	ppm	99
18) 1,4-Dichlorobenzene	4.532	146	358936	99.327	ppm	98
19) 1,2-Diclbenzene	4.665	146	334819	96.111	ppm	97
20) Benzyl Alcohol	4.644	79	243045	101.841	ppm	97
21) 1-Methyl-2-pyrrolidinone	4.692	99	199405	100.670	ppm	97
22) 2,2'-oxybis(1-Chloropr...	4.751	45	254195	96.532	ppm	94
23) 2-Methylphenol	4.762	108	282760	101.533	ppm	97
24) 3+4-Methylphenol	4.890	108	339379	105.262	ppm	81
25) Acetophenone	4.879	105	414779	97.963	ppm	83
26) N-Nitroso-Di-n-propyla...	4.879	70	217644	98.153	ppm	92
27) N-Nitrosopyrrolidine	4.879	100	159709	102.066	ppm	87
28) N-Nitrosomorpholine	4.911	56	163076	99.014	ppm	95
29) o-Toluidine	4.911	106	445356	97.609	ppm	70
30) Hexachloroethane	4.965	117	142795	98.632	ppm	95
31) o,o,o-Triethylphosphor...	5.419	198	156967	100.465	ppm	91
32) Alpha-terpinol	5.708	121	111074	99.822	ppm	93
35) Nitrobenzene	5.040	77	326032	98.778	ppm	90
36) N-Nitrosopiperidine	5.179	42	187268	99.893	ppm	95
37) Isophorone	5.254	82	568085	101.730	ppm	99
38) 2-Nitrophenol	5.328	139	174817	100.462	ppm	95

1st DM 04/11/19
2nd BA 04/11/19

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR284.D
Acq On : 14 Mar 2019 4:34 pm
Operator : J.Misiurewicz
Sample : 100 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 11 10:31:06 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Tue Apr 09 13:58:51 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) Benzoic Acid	5.484	105	211075	110.534	ppm		93
40) 2,4-Dimethylphenol	5.371	107	325307	102.770	ppm		98
41) bis(-2-Chloroethoxy)Me...	5.451	93	332169	99.786	ppm		99
42) 2,4-Dichlorophenol	5.558	162	274328	103.116	ppm		99
43) a,a-Dimethylphenethyla...	6.120	58	558418m	91.489	ppm		
44) 1,2,4-Trichlorobenzene	5.628	180	297859	99.541	ppm		98
45) Naphthalene	5.703	128	931093	99.671	ppm		98
46) 4-Chloroaniline	5.762	127	376074	99.154	ppm		98
47) 2,6-Dichlorophenol	5.767	162	287891	102.228	ppm		99
48) Hexachlorobutadiene	5.810	225	182203	98.603	ppm		97
49) Hexachloropropene	5.778	213	243548	100.557	ppm		97
50) 4-Chloro-3-methylphenol	6.238	107	265722	104.001	ppm		99
51) N-N-di-n-butylamine	6.077	84	207314	90.412	ppm		94
52) Caprolactam	6.125	113	88966	101.072	ppm		90
53) p-Phenylenediamine	6.120	80	45363	90.558	ppm	#	76
54) Safrole	6.281	162	233727	95.760	ppm		97
55) 2-Methylnaphthalene	6.366	142	635046	99.575	ppm		99
56) 1-Methylnaphthalene	6.462	142	591695	98.443	ppm		100
58) Hexachlorocyclopentadiene	6.511	237	189817	97.492	ppm		99
59) 1,2,4,5-Tetrachloroben...	6.527	216	323658	100.274	ppm		99
60) 1,2,3,4-Tetrachloroben...	6.805	216	332275	98.661	ppm		99
61) 2,4,6-Trichlorophenol	6.644	196	200432	104.097	ppm		97
62) 2,4,5-Trichlorophenol	6.692	196	209468	99.293	ppm		98
64) Isosafrole	6.789	104	123220	101.700	ppm		96
65) 1,1'-Biphenyl	6.821	154	798268	97.250	ppm		100
66) 2-Chloronaphthalene	6.842	162	598279	99.403	ppm		97
67) 2-Nitroaniline	6.954	65	162445	101.429	ppm		96
68) 1,4-Naphthoquinone	7.024	158	179354	103.874	ppm		95
69) m-Dinitrobenzene	7.174	168	113707	104.896	ppm		81
70) Acenaphthylene	7.243	152	970198	100.078	ppm		99
71) Dimethyl phthalate	7.131	163	712940	97.824	ppm		100
72) 2,6-Dinitrotoluene	7.195	165	161110	102.741	ppm		89
73) Acenaphthene	7.414	153	682638	100.734	ppm		99
74) 3-Nitroaniline	7.361	138	182417	105.638	ppm		99
75) 2,4-Dinitrophenol	7.468	184	90162	98.262	ppm		88
76) Dibenzofuran	7.586	168	879029	99.384	ppm		98
77) 2,4-Dinitrotoluene	7.591	165	231470	104.500	ppm		76
78) 4-Nitrophenol	7.553	65	123866	110.343	ppm	#	73
79) Pentachlorobenzene	7.537	250	310673	99.710	ppm		98
80) 1-Napthylamine	7.671	143	411966	96.441	ppm		99
81) 2-Napthylamine	7.751	143	526580	99.278	ppm		96
82) 2,3,4,6-Tetrachlorophenol	7.714	232	176750	99.709	ppm		97
83) Fluorene	7.923	166	704985	98.368	ppm		99
84) 4-Chlorophenyl-phenyle...	7.923	204	306461	94.912	ppm		98
85) Diethylphthalate	7.816	149	756625	98.690	ppm		99
86) 4-Nitroaniline	7.971	138	181618	102.191	ppm		96
87) 5-Nitro-o-toluidine	7.955	152	208472	103.506	ppm		100
89) Sulfotepp	8.195	322	112625	102.337	ppm		97
90) Octachlorocyclopentene	8.163	307	149418	102.683	ppm		98
92) Thionazin	7.901	107	110353	100.580	ppm		98
93) 4,6-Dinitro-2-methylph...	7.992	198	140151	105.698	ppm		93
94) Diphenylamine	8.046	169	1083481	199.463	ppm		99
95) 1,2 Diphenylhydrazine	8.078	77	670340	96.509	ppm		99
96) N-Nitrosodiphenylamine	8.046	169	1083481	199.447	ppm		99
97) 1,3,5-Trinirobenzene	8.356	213	68808	105.648	ppm		77
98) Diallate	8.318	86	246777	98.027	ppm		94

1st DM 04/11/19
2nd BA 04/11/19

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR284.D
Acq On : 14 Mar 2019 4:34 pm
Operator : J.Misiurewicz
Sample : 100 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 11 10:31:06 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Tue Apr 09 13:58:51 2019
Response via : Initial Calibration

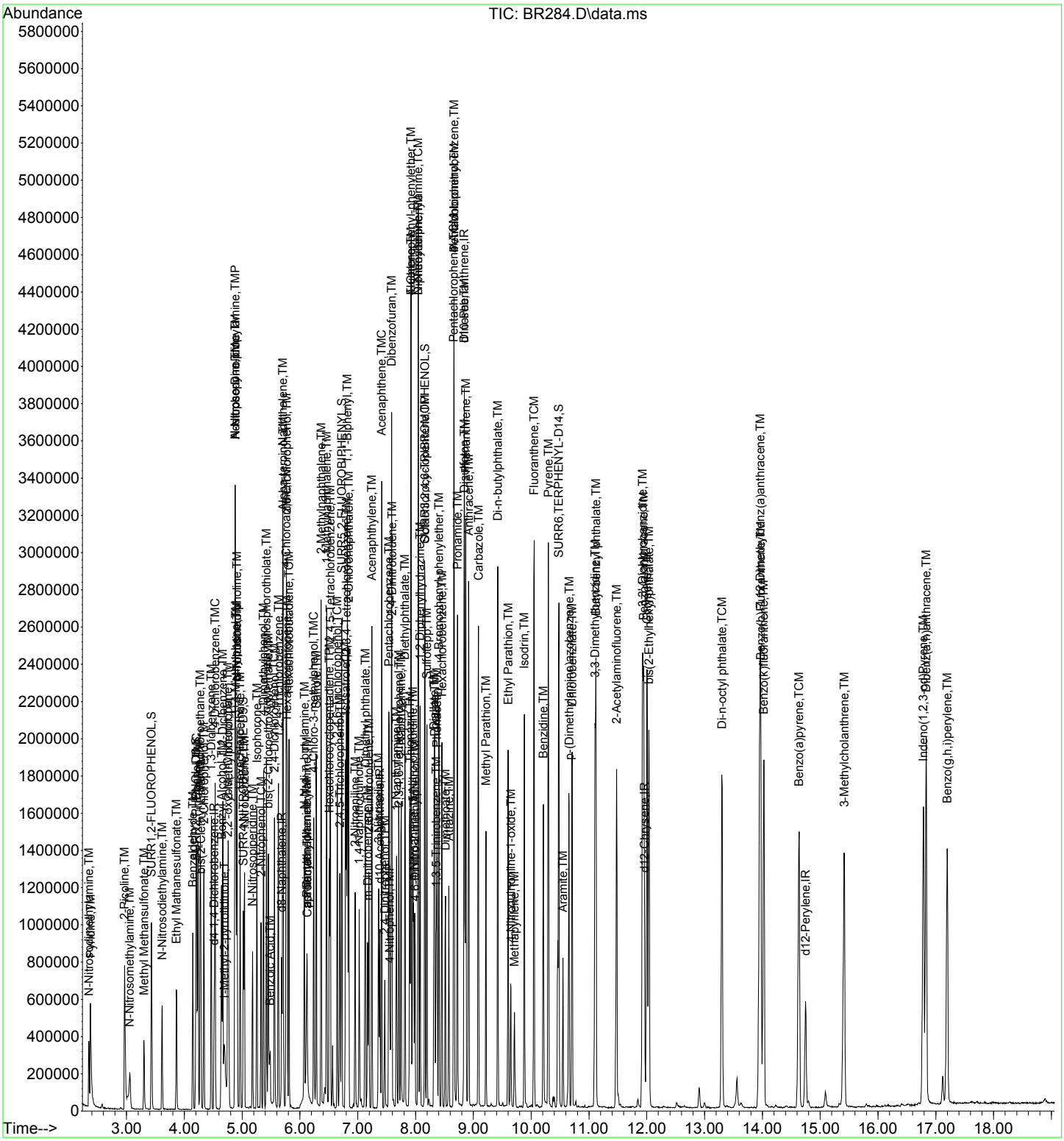
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
99) Phorate	8.334	121	131135	101.343	ppm	88
100) Phenacetin	8.372	108	358805	105.363	ppm	99
101) 4-Bromophenyl-phenylether	8.404	248	199032	98.559	ppm	99
102) Hexachlorobenzene	8.457	284	249361	97.087	ppm	98
103) Dimethoate	8.516	87	193643	91.828	ppm	95
104) Atrazine	8.575	215	58682	84.187	ppm	96
105) Pentachlorophenol	8.661	266	148016	105.394	ppm	95
106) 4-Aminobiphenyl	8.666	169	551703	104.314	ppm	98
107) Pentachloronitrobenzene	8.666	237	119290	109.143	ppm	91
108) Pronamide	8.725	173	376207	106.036	ppm	99
109) Dinoseb	8.843	211	194751	103.872	ppm	96
110) Disulfoton	8.848	88	324412	91.995	ppm	96
111) Phenanthrene	8.869	178	1044401	99.826	ppm	99
112) Anthracene	8.917	178	1036467	100.902	ppm	100
113) Carbazole	9.089	167	1000754	102.779	ppm	99
114) Di-n-butylphthalate	9.420	149	1381561	105.633	ppm	99
115) 4-Nitroquinonline-1-oxide	9.650	190	75875	104.886	ppm	92
116) Fluoranthene	10.051	202	1190837	103.698	ppm	99
118) Methyl Parathion	9.217	109	200010	100.380	ppm	94
119) Ethyl Parathion	9.602	97	174716	103.069	ppm	96
120) Methapyrilene	9.709	58	140496	100.786	ppm	99
121) Isodrin	9.880	193	123202	104.143	ppm	96
122) Benzidine	10.212	184	626139	104.880	ppm	97
123) Pyrene	10.297	202	1217872	100.188	ppm	99
125) Aramite	10.549	185	125765m	99.569	ppm	
126) p-(Dimethylamino)azobe...	10.656	120	306948	102.704	ppm	92
127) Chlorobenzilate	10.709	139	387935	102.246	ppm	85
128) Butyl benzyl phthalate	11.121	149	620770	101.786	ppm	98
129) 3,3-Dimethylbenzidine	11.105	212	683934	104.827	ppm	99
130) 2-Acetylaminofluorene	11.479	181	509373	106.238	ppm	97
131) 3,3'-Dichlorobenzidine	11.929	252	486007	105.089	ppm	99
132) Benzo(a)anthracene	11.945	228	1158031	100.506	ppm	97
133) Chrysene	12.004	228	1069902	97.828	ppm	98
134) bis(2-Ethylhexyl)phtha...	12.036	149	892963	105.123	ppm	96
136) Di-n-octyl phthalate	13.298	149	1518221	106.624	ppm	99
137) 7,12-Dimethylbenz(a)an...	13.961	256	561290	105.297	ppm	98
138) Benzo(b)Fluoranthene	13.972	252	1261687	103.177	ppm	98
139) Benzo(k)fluoranthene	14.025	252	1173066	102.772	ppm	98
140) Benzo(a)pyrene	14.635	252	1084335	106.424	ppm	97
141) 3-Methylcholanthrene	15.416	268	625425	105.199	ppm	98
142) Indeno(1,2,3-cd)Pyrene	16.785	276	1080506	103.651	ppm	98
143) Dibenz(a,h)anthracene	16.833	278	1163602	104.788	ppm	98
144) Benzo(g,h,i)perylene	17.197	276	923963	100.766	ppm	98

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

1st DM 04/11/19
2nd BA 04/11/19

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR284.D
Acq On : 14 Mar 2019 4:34 pm
Operator : J.Misiurewicz
Sample : 100 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 10 Sample Multiplier: 1

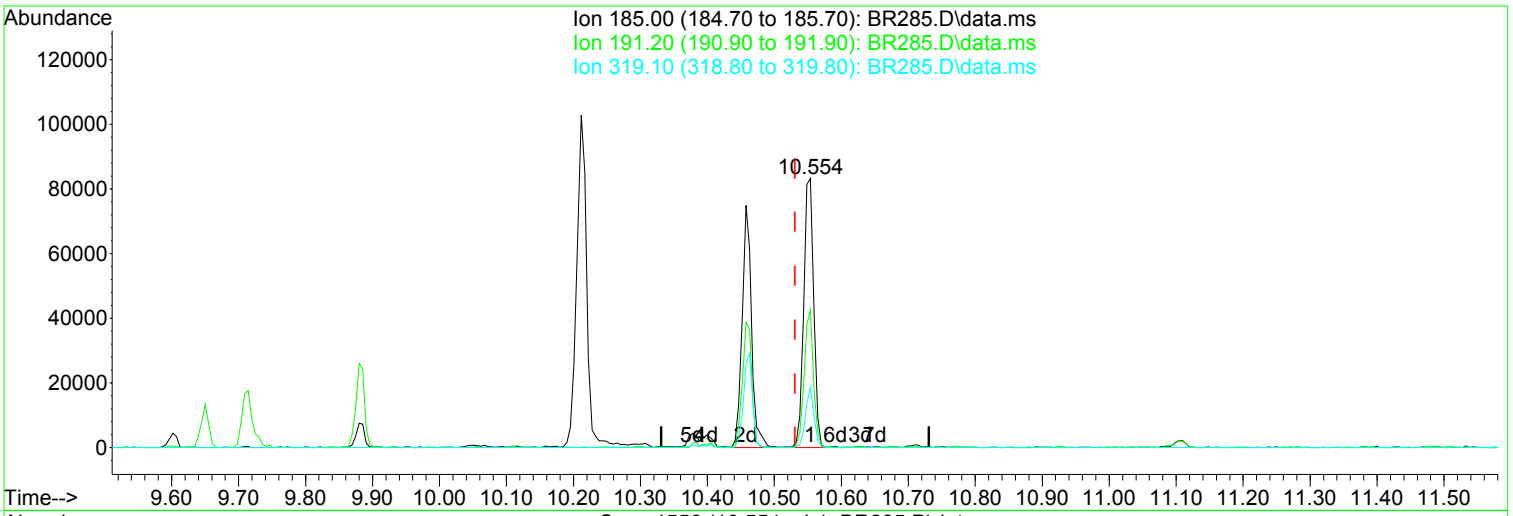
Quant Time: Apr 11 10:31:06 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Tue Apr 09 13:58:51 2019
Response via : Initial Calibration

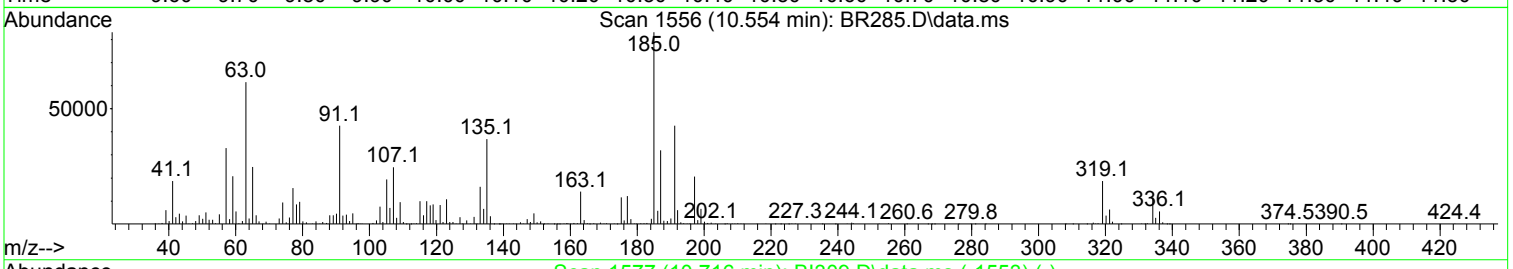


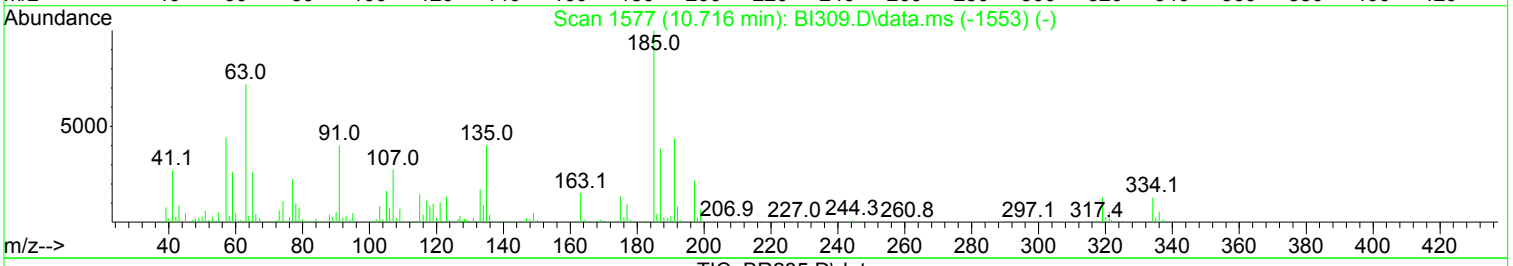
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR285.D
Acq On : 14 Mar 2019 5:03 pm
Operator : J.Misiurewicz
Sample : 120 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Apr 11 10:31:12 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Tue Apr 09 13:58:51 2019
Response via : Initial Calibration







TIC: BR285.D\data.ms

(125) Aramite (TM)

10.554min (+ 0.023) 125.91 ppm m

response 159586

Ion	Exp%	Act%
185.00	100.00	100.00
191.20	47.90	51.28
319.10	17.60	22.44
0.00	0.00	0.00

Manual Integration:

After

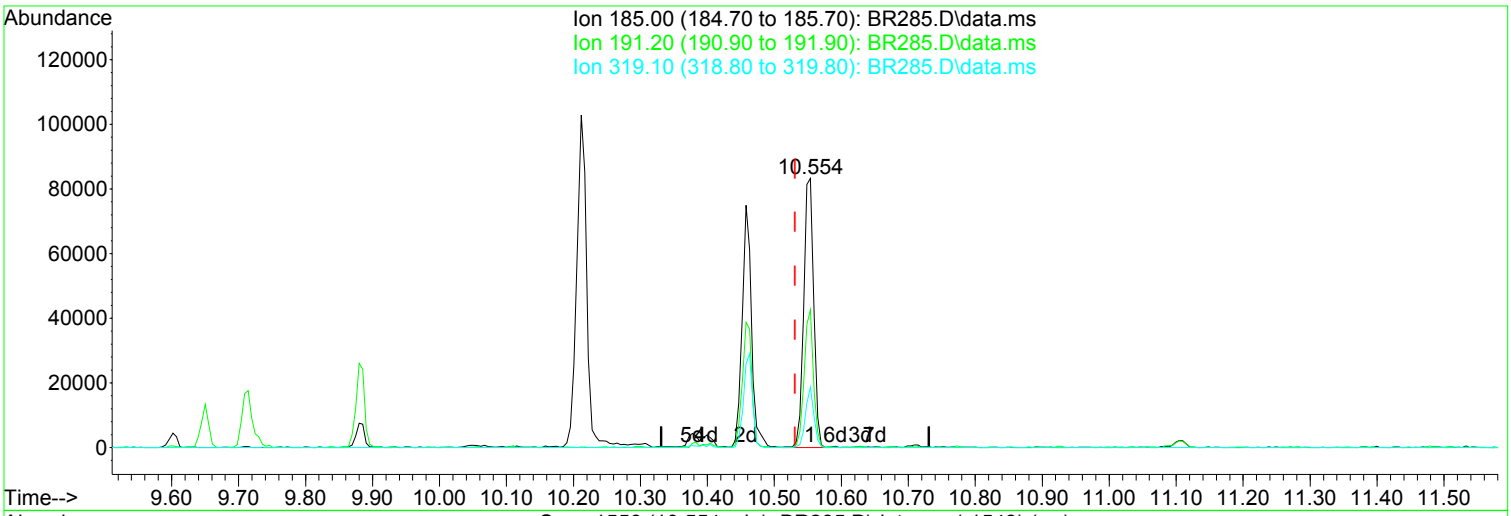
Split Peak.

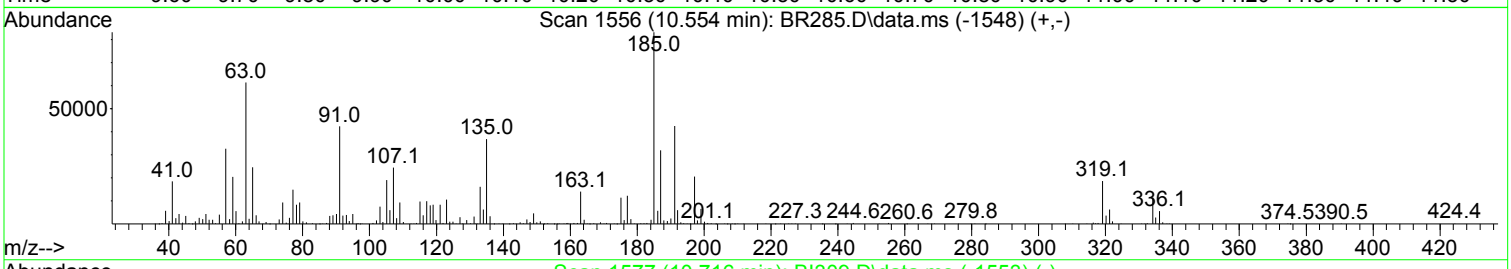
04/11/19

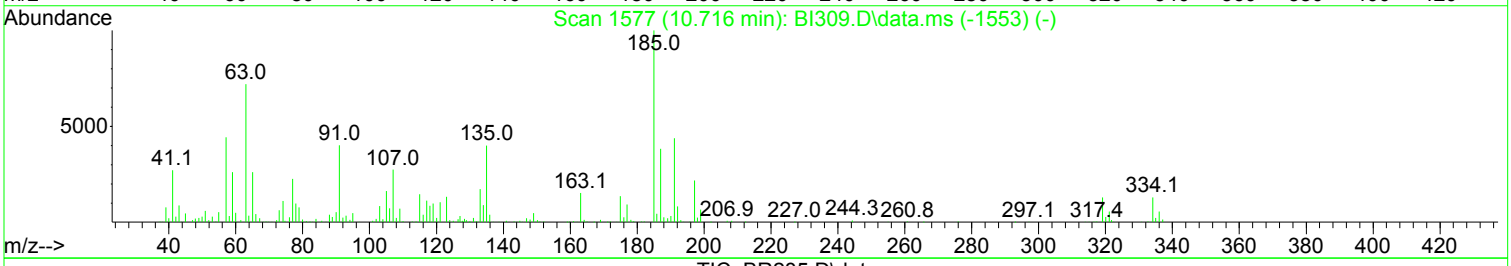
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR285.D
Acq On : 14 Mar 2019 5:03 pm
Operator : J.Misiurewicz
Sample : 120 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Apr 11 10:31:12 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Tue Apr 09 13:58:51 2019
Response via : Initial Calibration







TIC: BR285.D\data.ms

(125) Aramite (TM)

10.554min (+ 0.023) 67.60 ppm

response 85682

Ion	Exp%	Act%
185.00	100.00	100.00
191.20	47.90	51.16
319.10	17.60	22.46
0.00	0.00	0.00

Manual Integration:

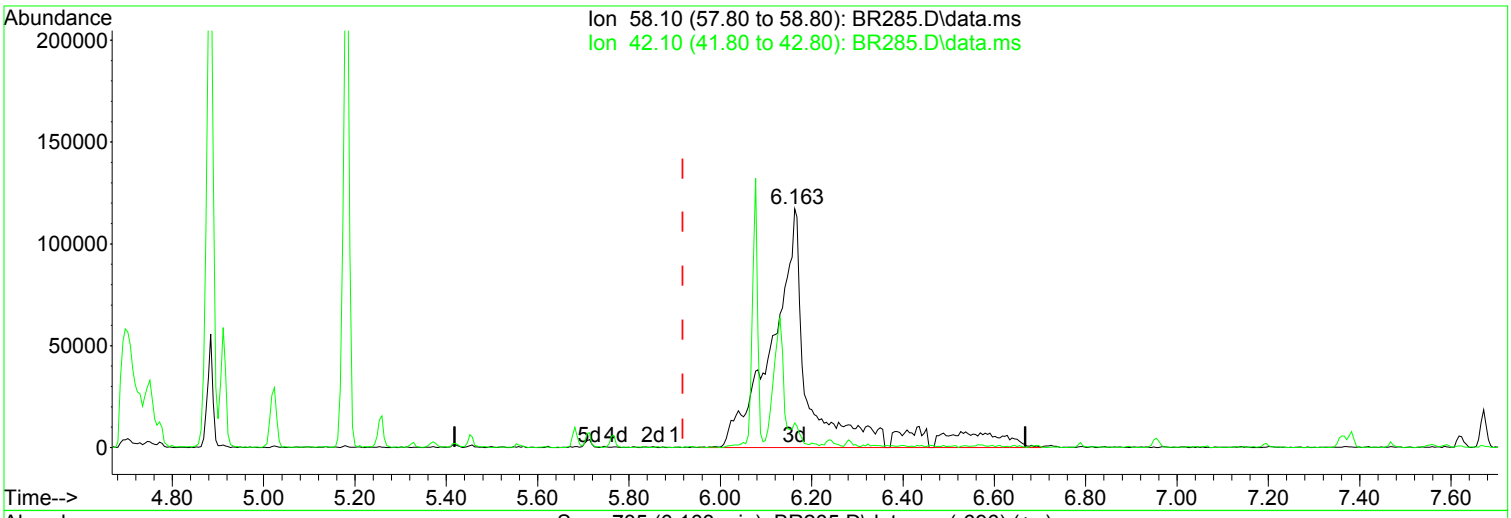
Before

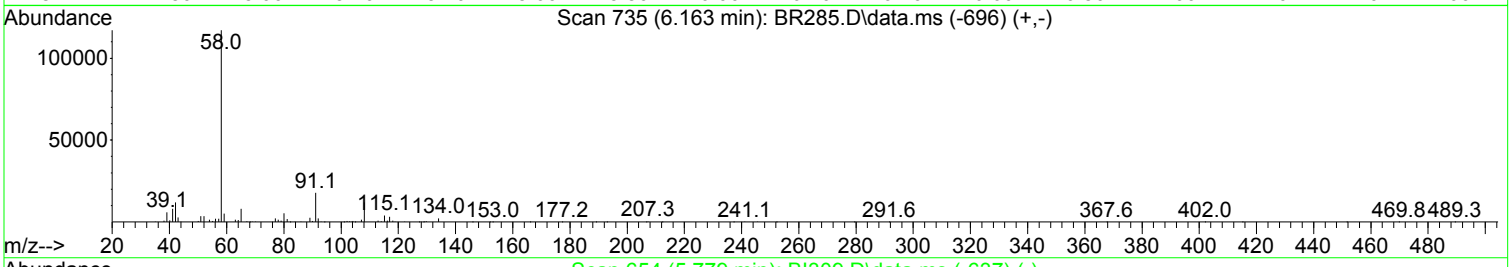
04/11/19

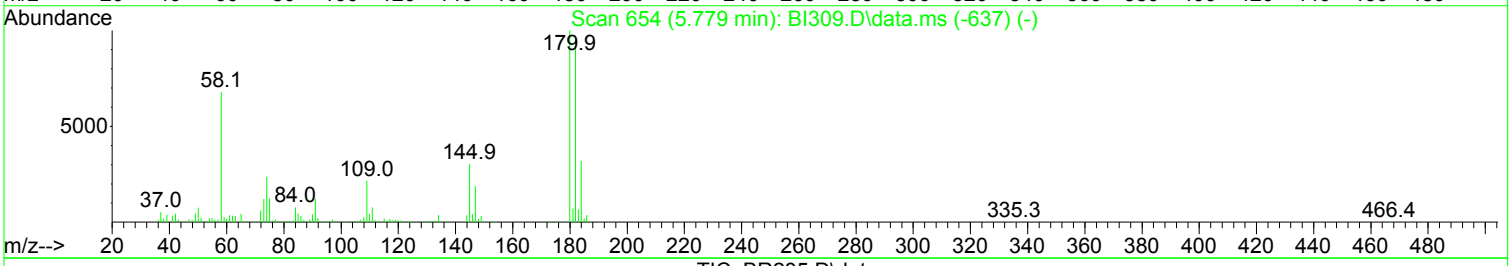
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR285.D
Acq On : 14 Mar 2019 5:03 pm
Operator : J.Misiurewicz
Sample : 120 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Apr 11 10:31:12 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Tue Apr 09 13:58:51 2019
Response via : Initial Calibration







TIC: BR285.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

6.163min (+ 0.245) 113.51 ppm m

response 704971

Ion	Exp%	Act%
58.10	100.00	100.00
42.10	6.70	10.28
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

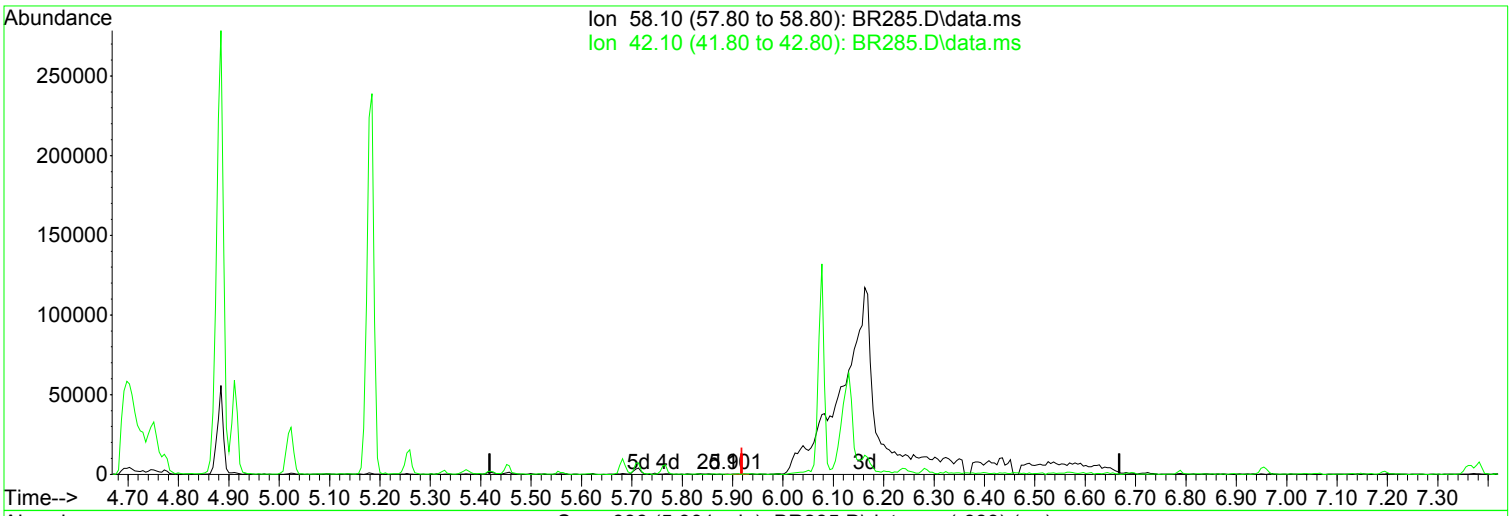
04/11/19

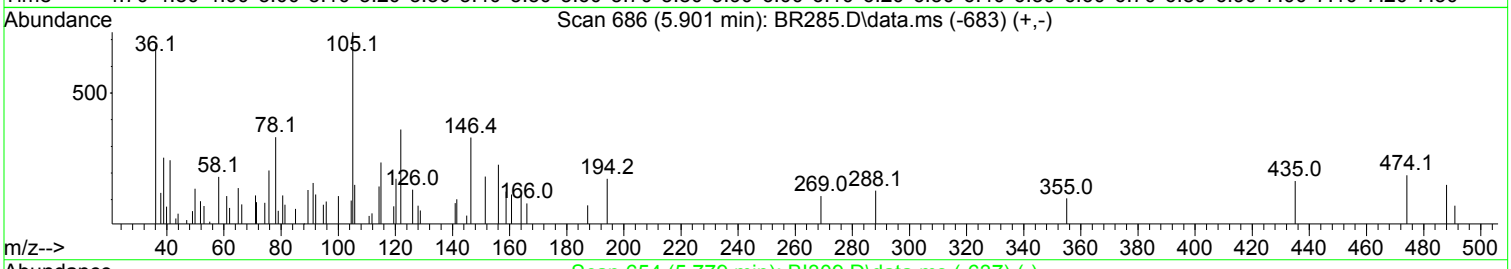
1st DM 04/11/19
2nd BA 04/11/19

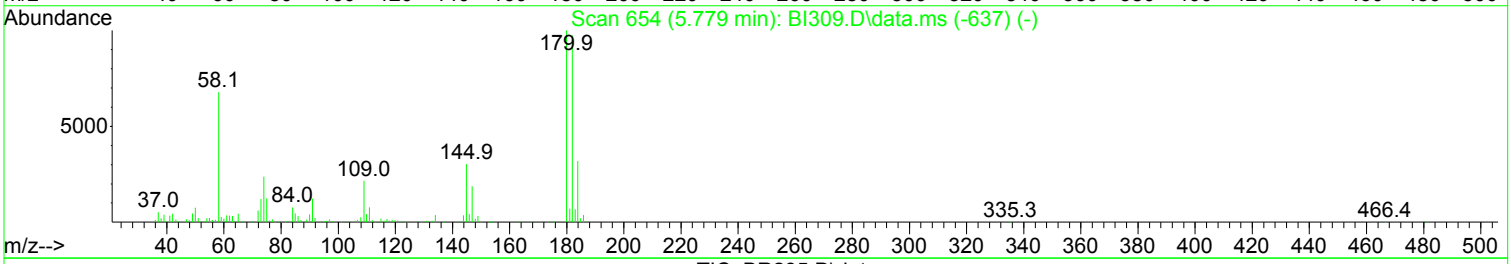
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR285.D
Acq On : 14 Mar 2019 5:03 pm
Operator : J.Misiurewicz
Sample : 120 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Apr 11 10:31:12 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Tue Apr 09 13:58:51 2019
Response via : Initial Calibration







TIC: BR285.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

5.901min (-0.018) 0.04 ppm

response 262

Ion	Exp%	Act%
58.10	100.00	100.00
42.10	6.70	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

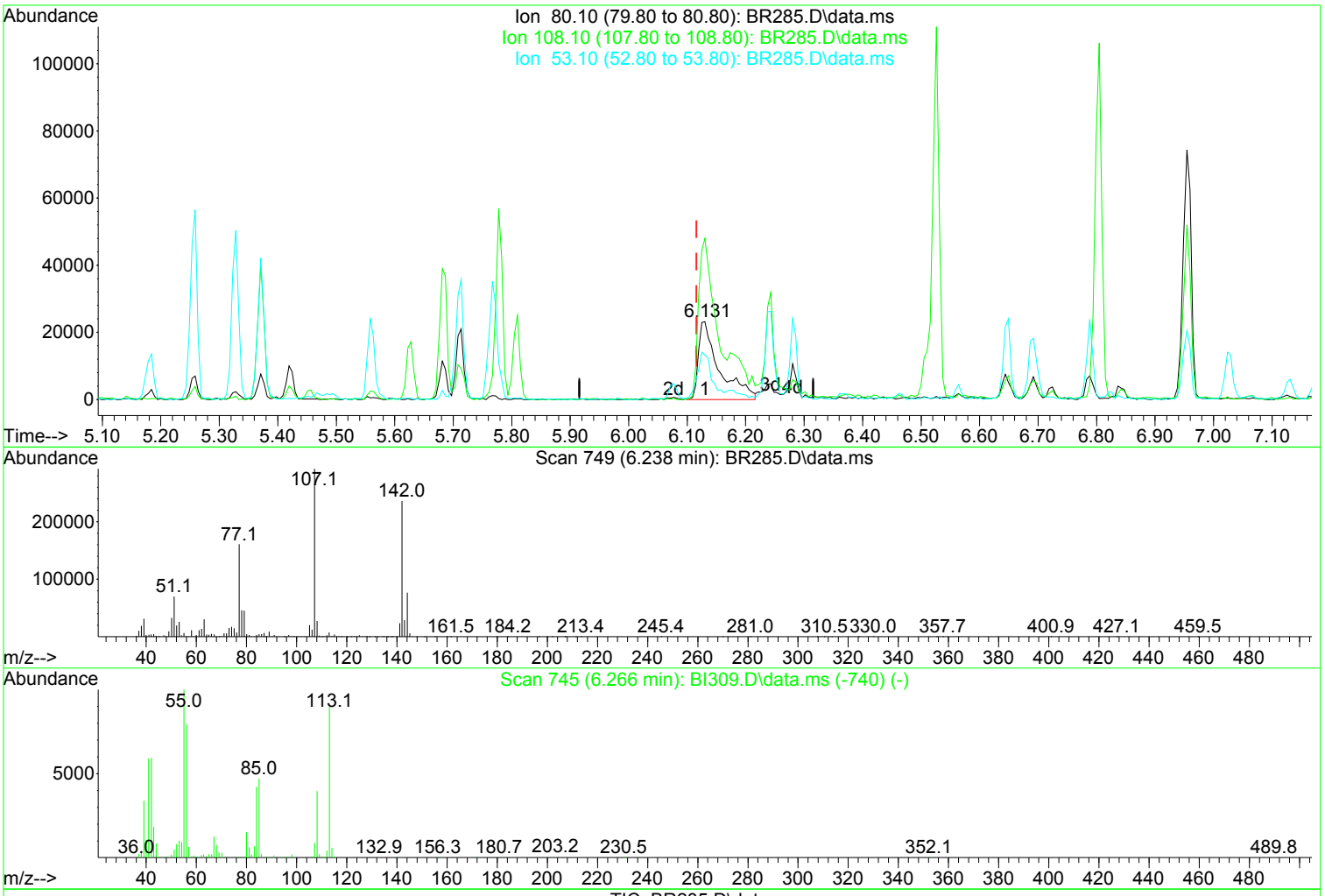
Before

04/11/19

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR285.D
Acq On : 14 Mar 2019 5:03 pm
Operator : J.Misiurewicz
Sample : 120 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Apr 11 10:31:12 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Tue Apr 09 13:58:51 2019
Response via : Initial Calibration



TIC: BR285.D\data.ms

(53) p-Phenylenediamine (TM)

6.131min (+ 0.015) 112.06 ppm m

response 57117

Ion	Exp%	Act%
80.10	100.00	100.00
108.10	216.90	207.04
53.10	42.90	57.08
0.00	0.00	0.00

Manual Integration:

After

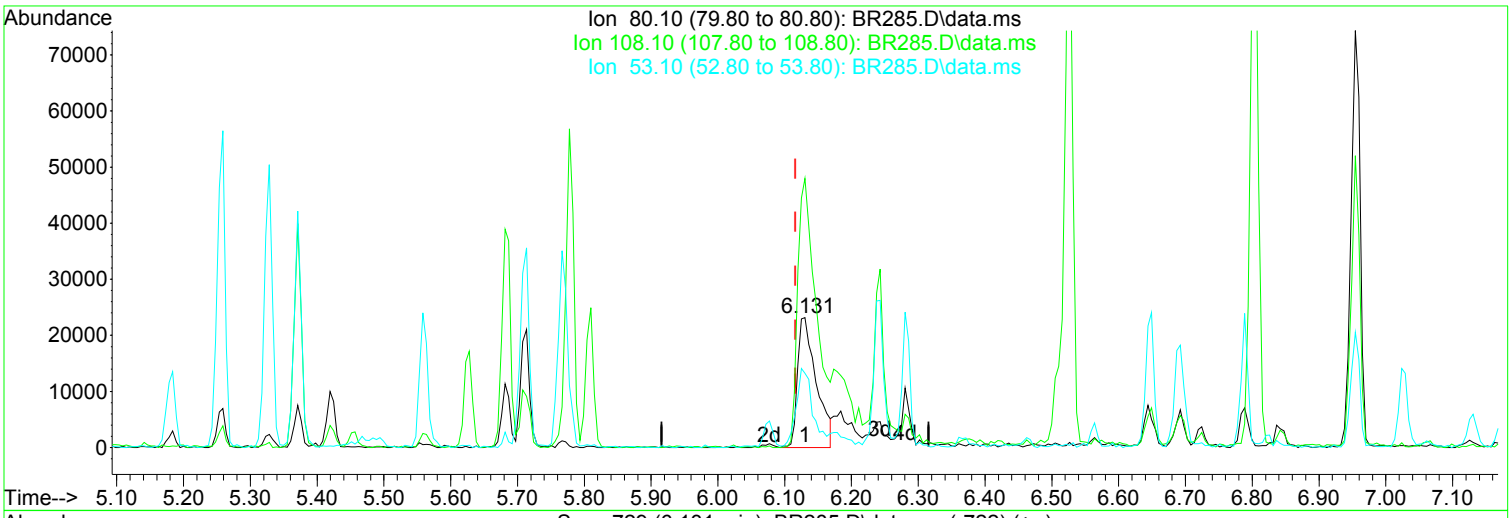
Poor integration.

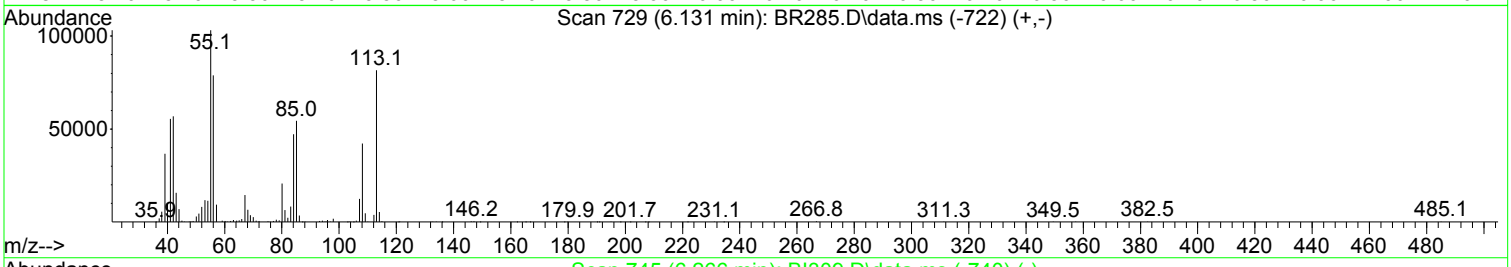
04/11/19

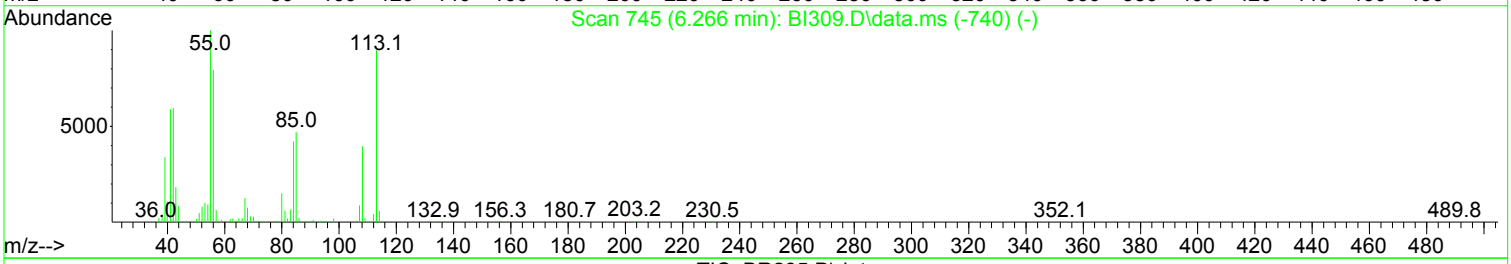
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR285.D
Acq On : 14 Mar 2019 5:03 pm
Operator : J.Misiurewicz
Sample : 120 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Apr 11 10:31:12 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Tue Apr 09 13:58:51 2019
Response via : Initial Calibration







TIC: BR285.D\data.ms

(53) p-Phenylenediamine (TM)

6.131min (+ 0.015) 88.44 ppm

response 45080

Ion	Exp%	Act%
80.10	100.00	100.00
108.10	216.90	204.42
53.10	42.90	57.30
0.00	0.00	0.00

Manual Integration:

Before

04/11/19

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR285.D
Acq On : 14 Mar 2019 5:03 pm
Operator : J.Misiurewicz
Sample : 120 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Apr 11 10:31:12 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Tue Apr 09 13:58:51 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) d4-1,4-Dichlorobenzene	4.515	152	83258	40.00	ppm		0.00
33) d8-Naphthalene	5.681	136	320227	40.00	ppm		0.00
57) d10-Acenaphthene	7.382	164	184235	40.00	ppm		0.00
91) d10-Phenanthrene	8.842	188	335152	40.00	ppm		0.00
117) d12-Chrysene	11.961	240	347436	40.00	ppm		0.00
135) d12-Perylene	14.747	264	358746	40.00	ppm		0.00
System Monitoring Compounds							
7) SURR1,2-FLUOROPHENOL	3.430	112	363311	124.04	ppm		0.00
Spiked Amount 200.000	Range 10 - 70		Recovery = 62.02%				
12) SURR2,PHENOL-D6	4.205	99	452183	124.41	ppm		0.00
Spiked Amount 200.000	Range 10 - 107		Recovery = 62.20%				
34) SURR4,NITROBENZENE-D5	5.023	82	398506	120.79	ppm		0.00
Spiked Amount 100.000	Range 31 - 110		Recovery = 120.79%#				
63) SURR5,2-FLUOROBIPHENYL	6.724	172	870678	120.57	ppm		0.00
Spiked Amount 100.000	Range 31 - 118		Recovery = 120.57%#				
88) SURR3,2,4,6-TRIBROMOPH...	8.163	330	169044	126.62	ppm		0.00
Spiked Amount 200.000	Range 35 - 141		Recovery = 63.31%				
124) SURR6,TERPHENYL-D14	10.479	244	1051051	120.80	ppm		0.00
Spiked Amount 100.000	Range 10 - 165		Recovery = 120.80%				
Target Compounds							Qvalue
2) Pyridine	2.370	79	365322	132.174	ppm		95
3) N-Nitrosodimethylamine	2.344	74	218103	129.759	ppm		89
4) 2-Picoline	2.964	93	357361	124.620	ppm		96
5) N-Nitrosomethylamine	3.055	42	163518	115.423	ppm		99
6) Methyl Methansulfonate	3.301	80	170344	128.699	ppm		99
8) N-Nitrosodiethylamine	3.617	102	165071	125.780	ppm		91
9) Ethyl Mathanesulfonate	3.868	79	302514	124.108	ppm		97
10) Benzaldehyde	4.146	106	193147	110.188	ppm		99
11) Aniline	4.237	93	607630	124.945	ppm		92
13) Phenol	4.216	94	501760	132.876	ppm		94
14) bis(2-Clethyl)Ether	4.285	93	317144	125.574	ppm		95
15) Pentachloroethane	4.275	117	146819	120.011	ppm		92
16) 2-Chlorophenol	4.339	128	399445	125.193	ppm		99
17) 1,3-Diclbenzene	4.467	146	437738	123.929	ppm		99
18) 1,4-Dichlorobenzene	4.531	146	446146	124.180	ppm		96
19) 1,2-Diclbenzene	4.665	146	431616	124.619	ppm		98
20) Benzyl Alcohol	4.644	79	306074	128.999	ppm		98
21) 1-Methyl-2-pyrrolidinone	4.697	99	244290	124.049	ppm		92
22) 2,2'-oxybis(1-Chloropr...	4.751	45	314989	120.316	ppm		85
23) 2-Methylphenol	4.767	108	341646	123.393	ppm		93
24) 3+4-Methylphenol	4.895	108	404778	126.278	ppm	#	77
25) Acetophenone	4.879	105	512246	121.688	ppm		85
26) N-Nitroso-Di-n-propyla...	4.884	70	278701	126.421	ppm		91
27) N-Nitrosopyrrolidine	4.884	100	195291	125.532	ppm		88
28) N-Nitrosomorpholine	4.911	56	200565	122.485	ppm		93
29) o-Toluidine	4.911	106	560084	123.470	ppm		79
30) Hexachloroethane	4.965	117	181632	126.188	ppm		93
31) o,o,o-Triethylphosphor...	5.425	198	190622	122.716	ppm		93
32) Alpha-terpinol	5.713	121	138535	125.226	ppm		92
35) Nitrobenzene	5.039	77	413354	123.074	ppm		97
36) N-Nitrosopiperidine	5.184	42	228952	120.022	ppm		95
37) Isophorone	5.259	82	702564	123.642	ppm		97
38) 2-Nitrophenol	5.328	139	221537	125.115	ppm		95

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ALS Vial : 11 Sample Multiplier: 1

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Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Tue Apr 09 13:58:51 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) Benzoic Acid	5.494	105	259685	133.645	ppm		100
40) 2,4-Dimethylphenol	5.371	107	406595	126.235	ppm		99
41) bis(-2-Chloroethoxy)Me...	5.451	93	410006	121.045	ppm		99
42) 2,4-Dichlorophenol	5.558	162	344723	127.342	ppm		97
43) a,a-Dimethylphenethyla...	6.163	58	704971m	113.508	ppm		
44) 1,2,4-Trichlorobenzene	5.628	180	367441	120.677	ppm		99
45) Naphthalene	5.703	128	1157316	121.751	ppm		99
46) 4-Chloroaniline	5.767	127	473431	122.671	ppm		99
47) 2,6-Dichlorophenol	5.767	162	354643	123.759	ppm		95
48) Hexachlorobutadiene	5.810	225	232531	123.669	ppm		98
49) Hexachloropropene	5.778	213	304970	123.746	ppm		99
50) 4-Chloro-3-methylphenol	6.243	107	321455	123.645	ppm		94
51) N-N-di-n-butylamine	6.077	84	248351	106.441	ppm		98
52) Caprolactam	6.131	113	112245	125.319	ppm		90
53) p-Phenylenediamine	6.131	80	57117m	112.056	ppm		
54) Safrole	6.286	162	300205	120.876	ppm		96
55) 2-Methylnaphthalene	6.366	142	775253	119.463	ppm		99
56) 1-Methylnaphthalene	6.462	142	726371	118.766	ppm		98
58) Hexachlorocyclopentadiene	6.510	237	241117	119.346	ppm		98
59) 1,2,4,5-Tetrachloroben...	6.526	216	407176	124.922	ppm		98
60) 1,2,3,4-Tetrachloroben...	6.804	216	414530	121.887	ppm		97
61) 2,4,6-Trichlorophenol	6.649	196	250860	129.020	ppm		96
62) 2,4,5-Trichlorophenol	6.692	196	259355	121.745	ppm		98
64) Isosafrole	6.788	104	157930	129.080	ppm		86
65) 1,1'-Biphenyl	6.826	154	989319	119.353	ppm		97
66) 2-Chloronaphthalene	6.842	162	731595	120.371	ppm		94
67) 2-Nitroaniline	6.954	65	202516	125.218	ppm		97
68) 1,4-Naphthoquinone	7.029	158	224763	128.906	ppm		98
69) m-Dinitrobenzene	7.174	168	140287	128.157	ppm		75
70) Acenaphthylene	7.248	152	1194694	122.036	ppm		99
71) Dimethyl phthalate	7.131	163	875472	118.956	ppm		99
72) 2,6-Dinitrotoluene	7.195	165	201464	127.225	ppm		96
73) Acenaphthene	7.414	153	819098	119.696	ppm		99
74) 3-Nitroaniline	7.366	138	220697	126.562	ppm		96
75) 2,4-Dinitrophenol	7.468	184	117802	121.085	ppm		100
76) Dibenzofuran	7.585	168	1057315	118.378	ppm		92
77) 2,4-Dinitrotoluene	7.591	165	279374	124.900	ppm		83
78) 4-Nitrophenol	7.559	65	128912	113.721	ppm		95
79) Pentachlorobenzene	7.543	250	370437	117.734	ppm		99
80) 1-Napthylamine	7.671	143	506652	117.453	ppm		97
81) 2-Napthylamine	7.751	143	629109	117.454	ppm		99
82) 2,3,4,6-Tetrachlorophenol	7.714	232	225168	125.787	ppm		98
83) Fluorene	7.922	166	855423	118.197	ppm		98
84) 4-Chlorophenyl-phenyle...	7.922	204	385410	118.201	ppm		96
85) Diethylphthalate	7.821	149	939313	121.327	ppm		99
86) 4-Nitroaniline	7.970	138	226775	126.359	ppm		95
87) 5-Nitro-o-toluidine	7.954	152	256968	126.343	ppm		93
89) Sulfotepp	8.200	322	138508	124.632	ppm		92
90) Octachlorocyclopentene	8.163	307	186869	127.170	ppm		98
92) Thionazin	7.901	107	139060	122.053	ppm		97
93) 4,6-Dinitro-2-methylph...	7.992	198	179056	130.041	ppm		97
94) Diphenylamine	8.051	169	1324957	234.889	ppm		99
95) 1,2 Diphenylhydrazine	8.077	77	837475	116.109	ppm		99
96) N-Nitrosodiphenylamine	8.051	169	1325496	234.965	ppm		99
97) 1,3,5-Trinirobenzene	8.361	213	86276	127.565	ppm	#	82
98) Diallate	8.323	86	301173	115.206	ppm		99

1st DM 04/11/19
2nd BA 04/11/19

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Data File : BR285.D
Acq On : 14 Mar 2019 5:03 pm
Operator : J.Misiurewicz
Sample : 120 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Apr 11 10:31:12 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Tue Apr 09 13:58:51 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
99) Phorate	8.334	121	163606	121.757	ppm	95
100) Phenacetin	8.377	108	434772	122.945	ppm	98
101) 4-Bromophenyl-phenylether	8.404	248	251389	119.878	ppm	95
102) Hexachlorobenzene	8.457	284	305438	114.518	ppm	93
103) Dimethoate	8.521	87	240026	109.611	ppm	98
104) Atrazine	8.580	215	68796	95.043	ppm	96
105) Pentachlorophenol	8.666	266	188398	129.182	ppm	97
106) 4-Aminobiphenyl	8.666	169	662360	120.601	ppm	98
107) Pentachloronitrobenzene	8.666	237	142984	125.979	ppm	94
108) Pronamide	8.725	173	464750	126.143	ppm	99
109) Dinoseb	8.842	211	248432	127.598	ppm	98
110) Disulfoton	8.848	88	404911	110.573	ppm	94
111) Phenanthrene	8.869	178	1285026	118.279	ppm	99
112) Anthracene	8.923	178	1275487	119.574	ppm	99
113) Carbazole	9.088	167	1217857	120.447	ppm	100
114) Di-n-butylphthalate	9.425	149	1680755	123.752	ppm	99
115) 4-Nitroquinonline-1-oxide	9.650	190	96265	128.146	ppm	97
116) Fluoranthene	10.051	202	1463912	122.759	ppm	96
118) Methyl Parathion	9.217	109	245572	122.821	ppm	96
119) Ethyl Parathion	9.602	97	219794	129.215	ppm	95
120) Methapyrilene	9.709	58	166054	118.709	ppm	95
121) Isodrin	9.880	193	151704	127.793	ppm	98
122) Benzidine	10.212	184	765919	127.851	ppm	98
123) Pyrene	10.297	202	1496796	122.708	ppm	99
125) Aramite	10.554	185	159586m	125.909	ppm	
126) p-(Dimethylamino)azobe...	10.656	120	386308	128.812	ppm	91
127) Chlorobenzilate	10.709	139	494400	129.857	ppm	94
128) Butyl benzyl phthalate	11.121	149	778084	127.139	ppm	95
129) 3,3-Dimethylbenzidine	11.105	212	848610	129.618	ppm	97
130) 2-Acetylaminofluorene	11.485	181	617002	128.242	ppm	98
131) 3,3'-Dichlorobenzidine	11.928	252	594596	128.125	ppm	97
132) Benzo(a)anthracene	11.945	228	1425270	123.273	ppm	98
133) Chrysene	12.009	228	1332288	121.399	ppm	99
134) bis(2-Ethylhexyl)phtha...	12.041	149	1111859	130.440	ppm	98
136) Di-n-octyl phthalate	13.303	149	1887917	130.478	ppm	98
137) 7,12-Dimethylbenz(a)an...	13.966	256	689624	127.314	ppm	98
138) Benzo(b)Fluoranthene	13.977	252	1546043	124.420	ppm	100
139) Benzo(k)fluoranthene	14.031	252	1429516	123.247	ppm	99
140) Benzo(a)pyrene	14.640	252	1329236	128.384	ppm	99
141) 3-Methylcholanthrene	15.421	268	764549	126.554	ppm	98
142) Indeno(1,2,3-cd)Pyrene	16.790	276	1302626	122.971	ppm	97
143) Dibenz(a,h)anthracene	16.839	278	1401542	124.208	ppm	98
144) Benzo(g,h,i)perylene	17.202	276	1124739	120.711	ppm	100

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

1st DM 04/11/19
2nd BA 04/11/19

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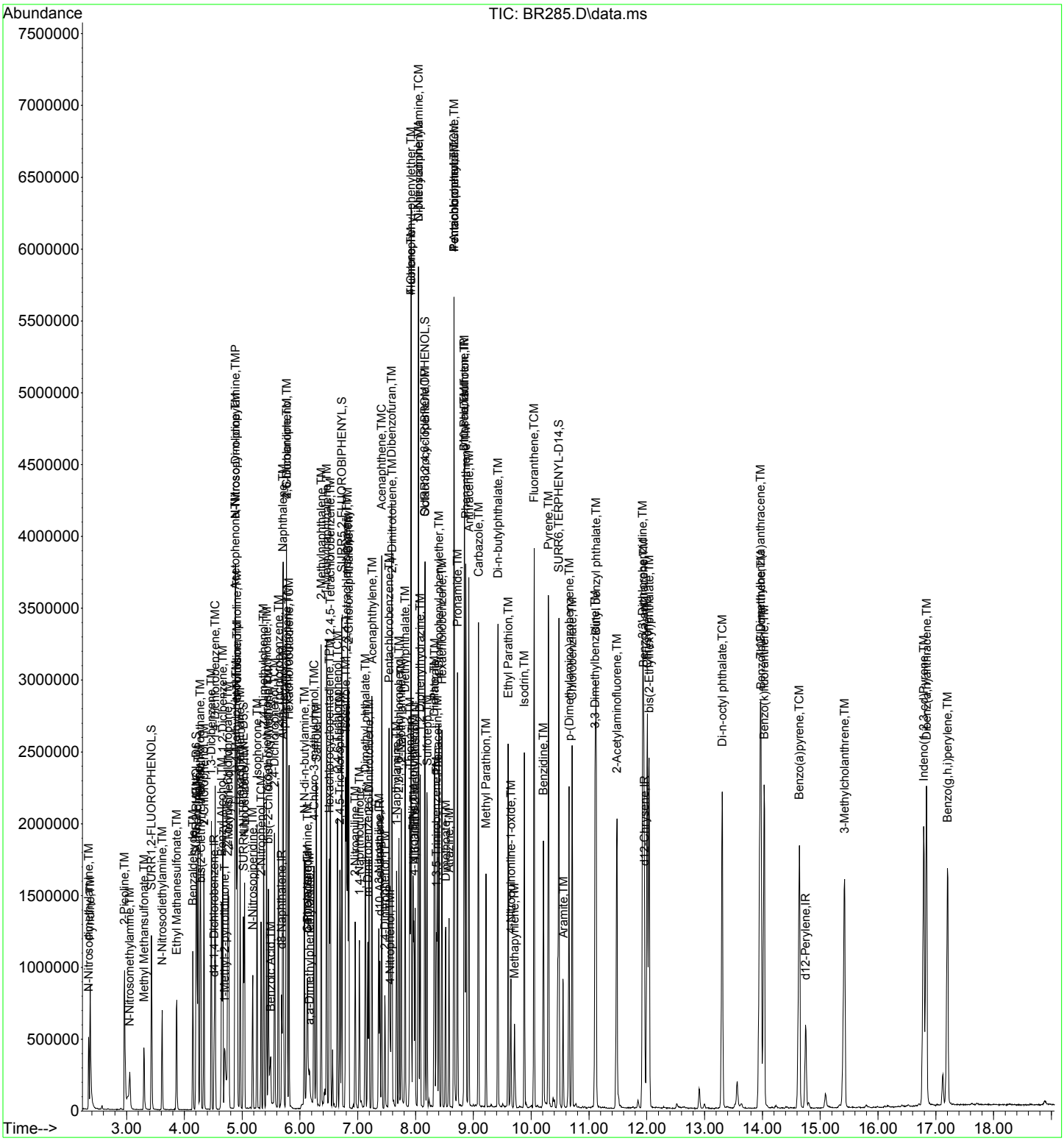

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR286.D
Acq On : 14 Mar 2019 5:32 pm
Operator : J.Misiurewicz
Sample : 160 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Apr 11 10:31:18 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
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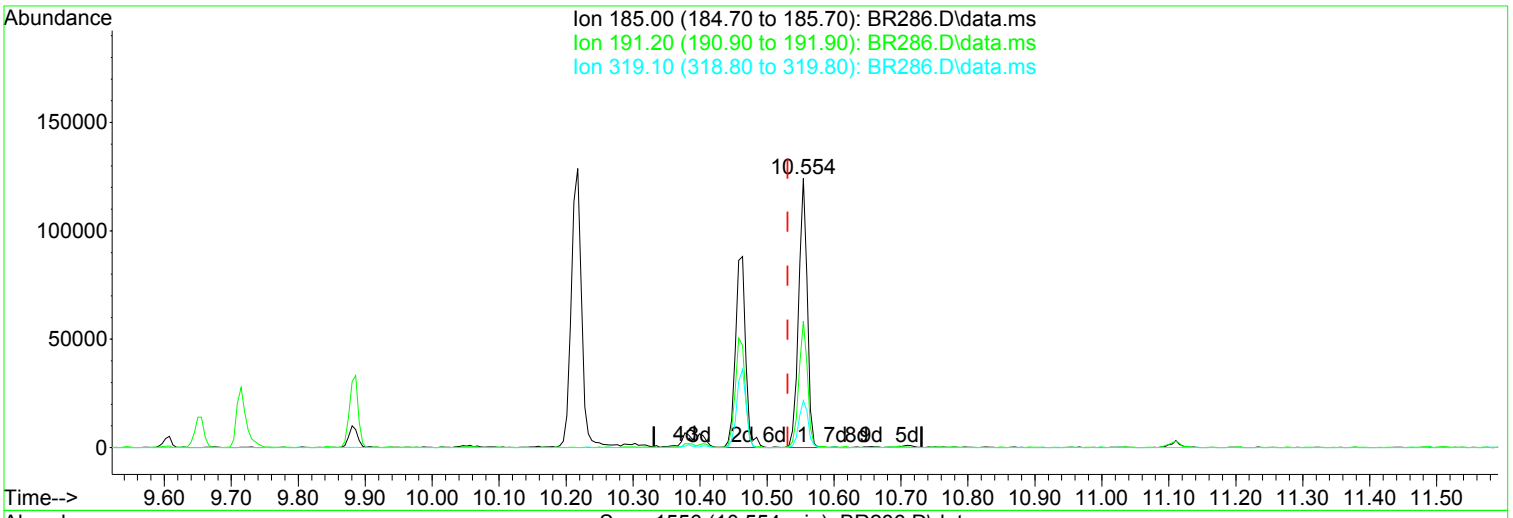

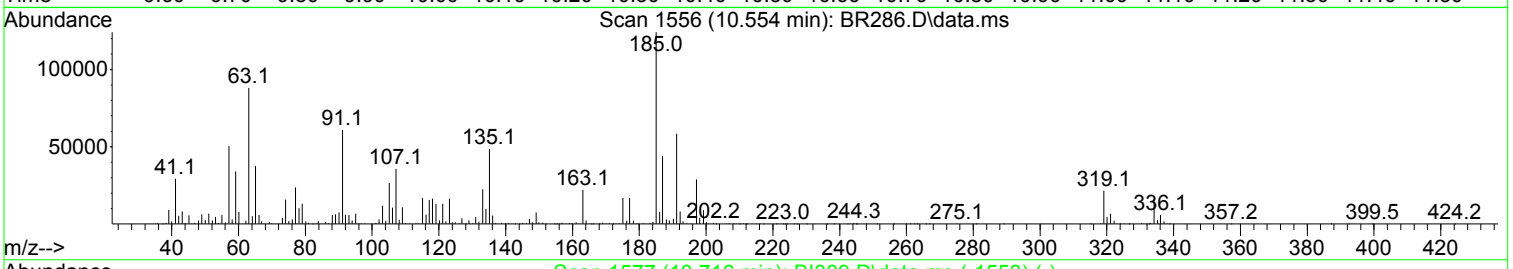

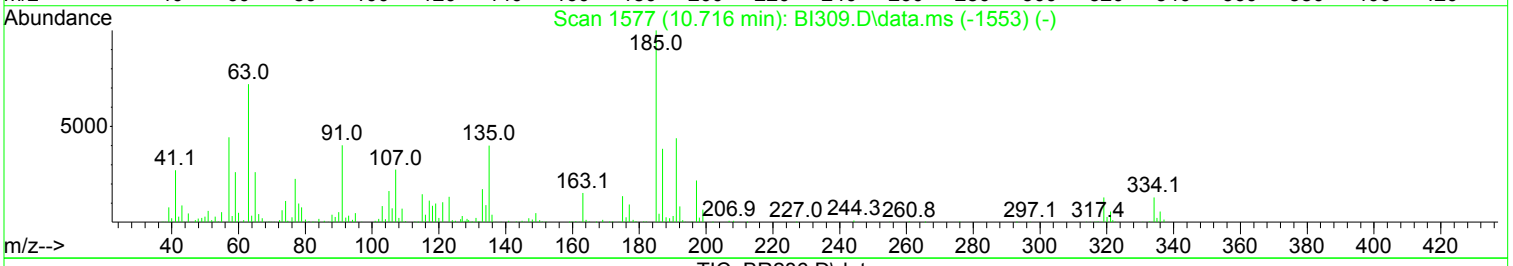

TIC: BR286.D\data.ms

(125) Aramite (TM)

10.554min (+ 0.023) 167.65 ppm m

response 205677

Ion	Exp%	Act%
185.00	100.00	100.00
191.20	47.90	47.04
319.10	17.60	17.50
0.00	0.00	0.00

Manual Integration:

After

Split Peak.

04/11/19

Quantitation Report (Qedit)

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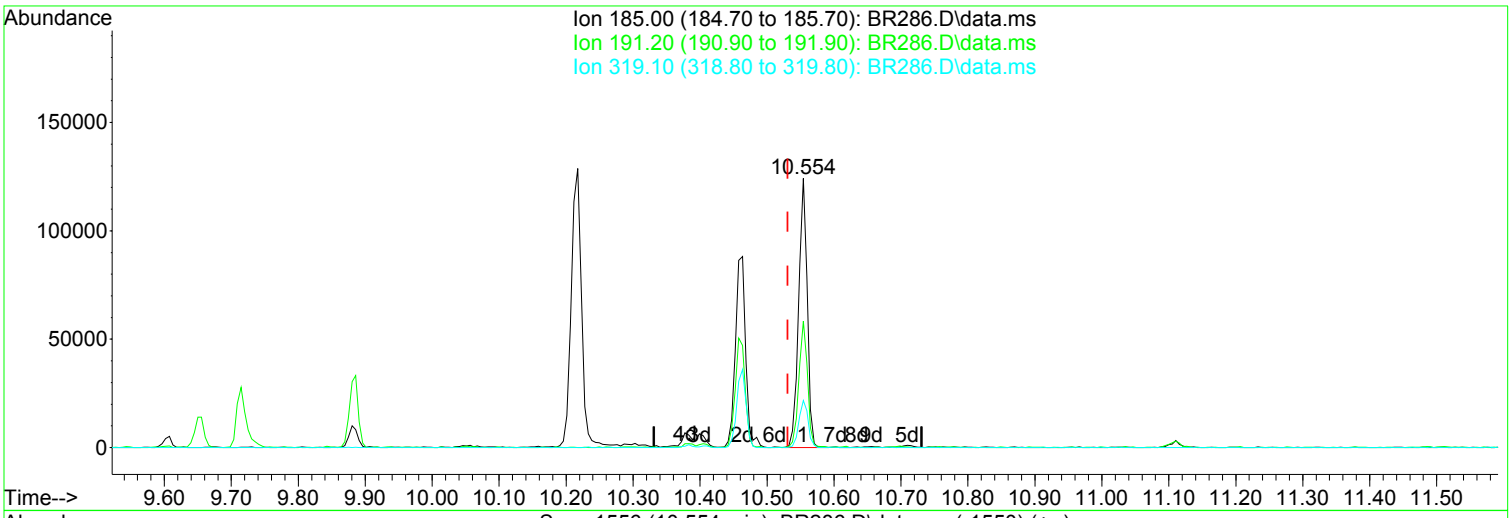

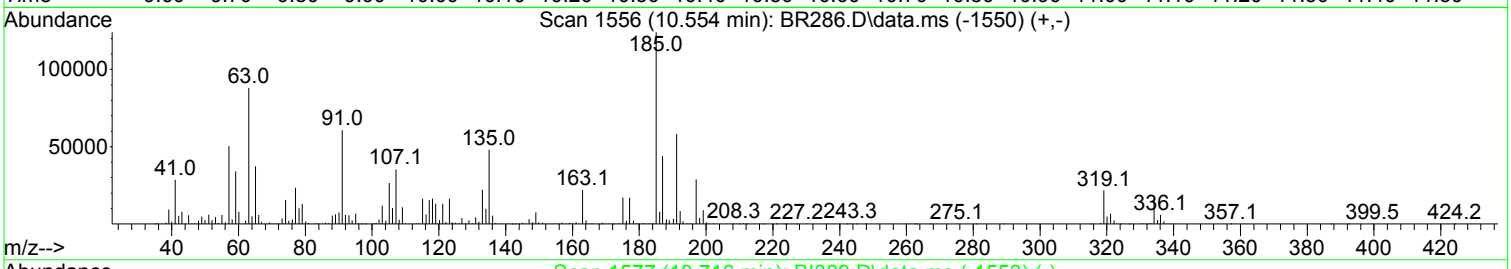

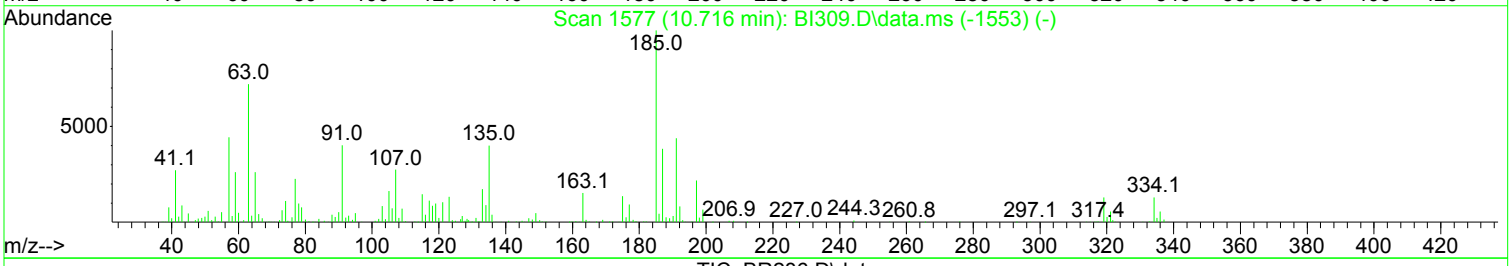

TIC: BR286.D\data.ms

(125) Aramite (TM)

10.554min (+ 0.023) 91.09 ppm

response 111754

Ion	Exp%	Act%
185.00	100.00	100.00
191.20	47.90	46.95
319.10	17.60	17.46
0.00	0.00	0.00

Manual Integration:

Before

04/11/19

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\031419\
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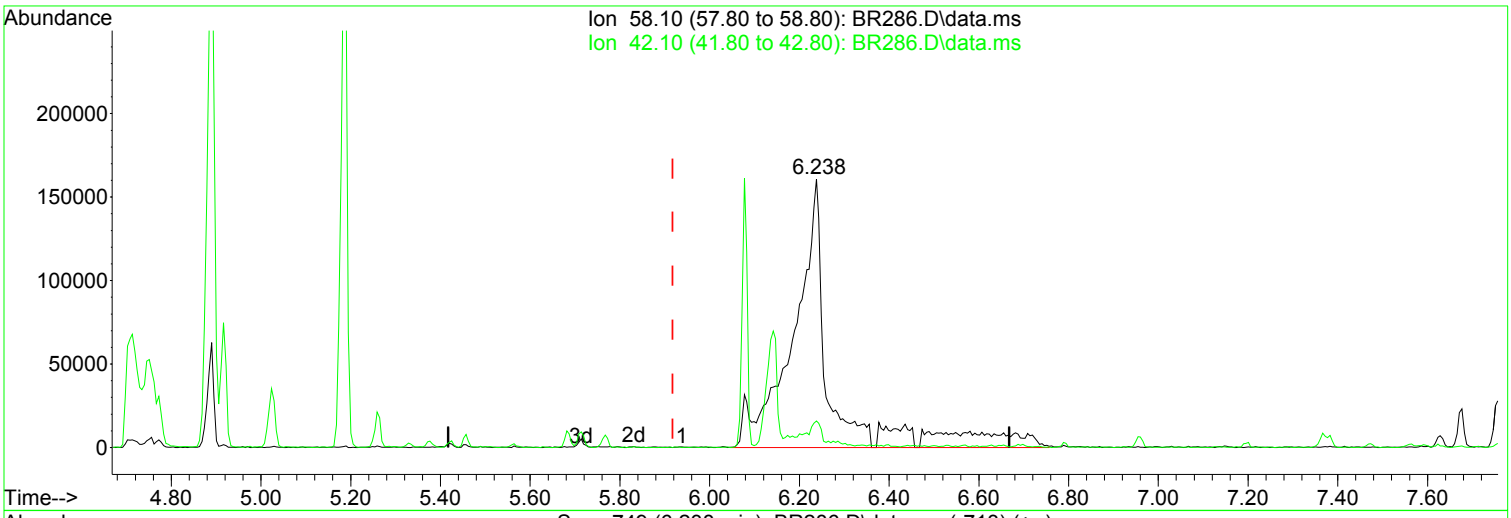
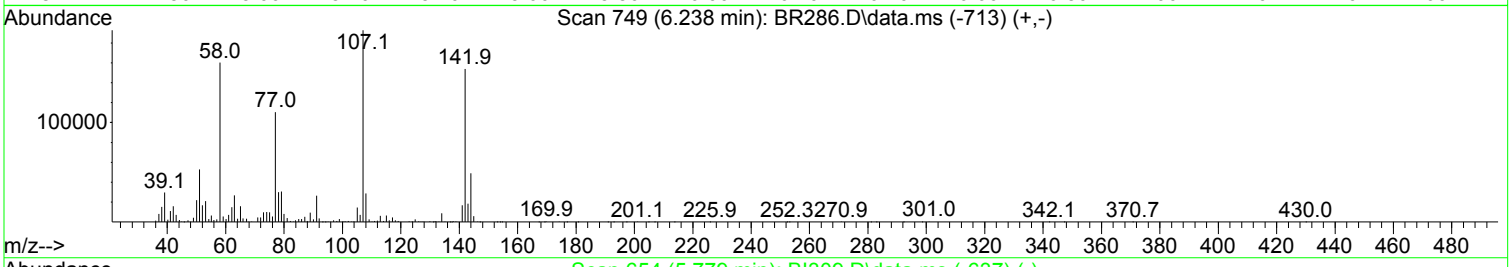
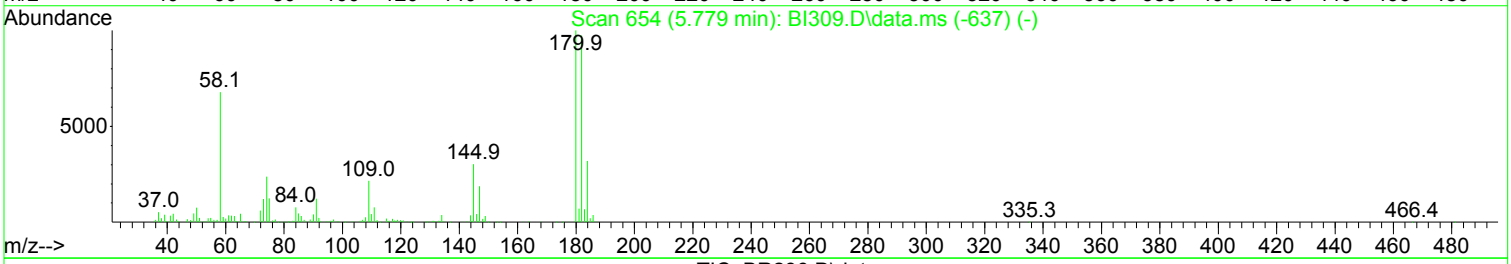






TIC: BR286.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

6.238min (+ 0.320) 161.49 ppm m

response 941042

Ion	Exp%	Act%
58.10	100.00	100.00
42.10	6.70	9.96
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

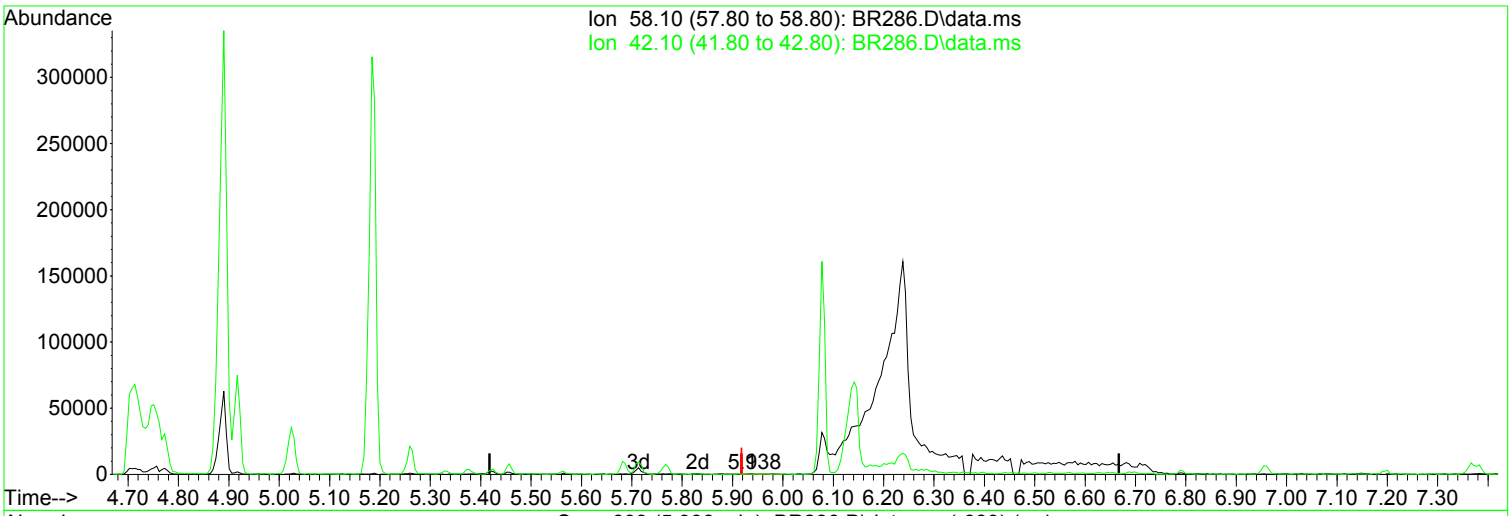
Poor integration.

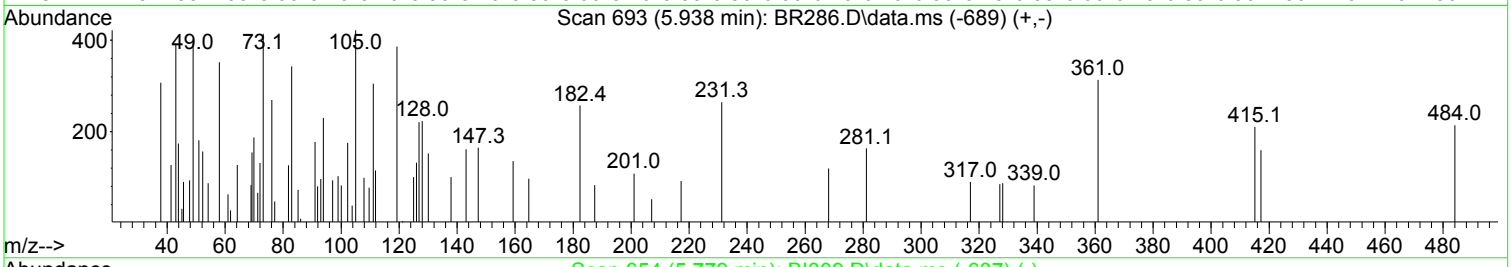
04/11/19

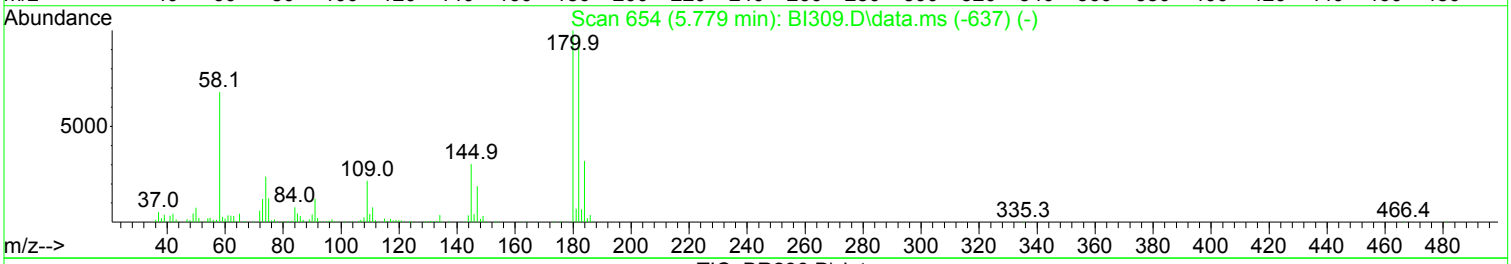
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR286.D
Acq On : 14 Mar 2019 5:32 pm
Operator : J.Misiurewicz
Sample : 160 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Apr 11 10:31:18 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Tue Apr 09 13:58:51 2019
Response via : Initial Calibration







TIC: BR286.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

5.938min (+ 0.020) 0.19 ppm

response 1092

Ion	Exp%	Act%
58.10	100.00	100.00
42.10	6.70	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

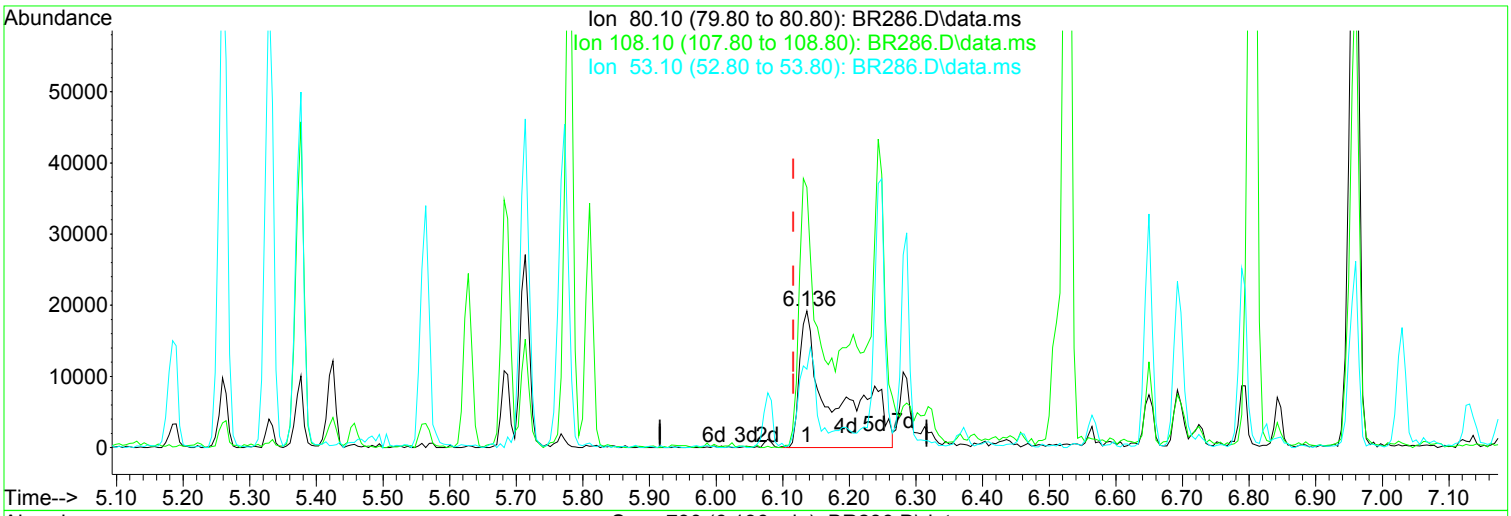
Before

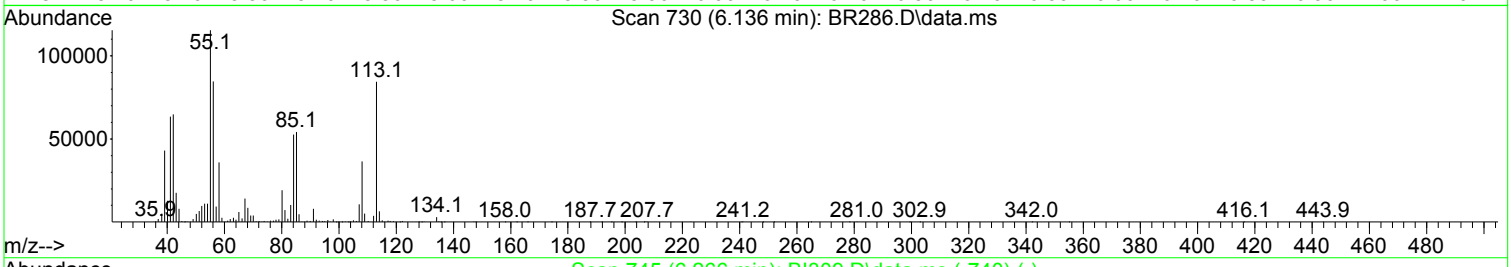
04/11/19

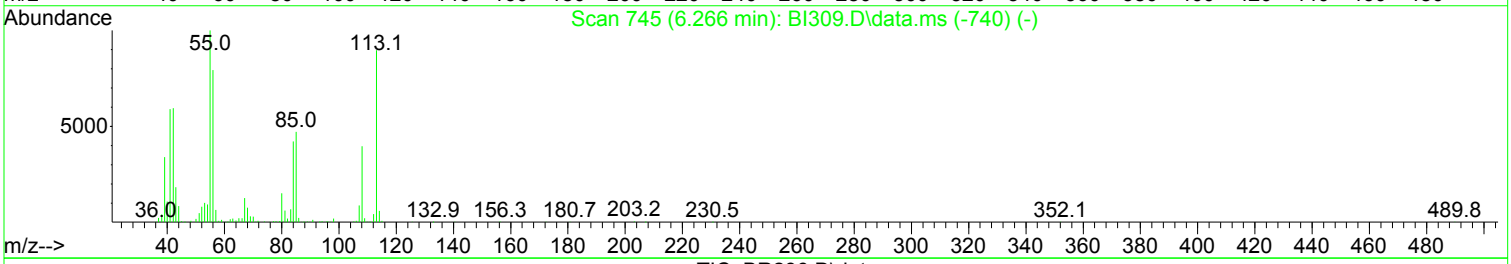
1st DM 04/11/19
2nd BA 04/11/19

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR286.D
Acq On : 14 Mar 2019 5:32 pm
Operator : J.Misiurewicz
Sample : 160 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Apr 11 10:31:18 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Tue Apr 09 13:58:51 2019
Response via : Initial Calibration







TIC: BR286.D\data.ms

(53) p-Phenylenediamine (TM)

6.136min (+ 0.020) 145.21 ppm m

response 69447

Ion	Exp%	Act%
80.10	100.00	100.00
108.10	216.90	190.53
53.10	42.90	57.43
0.00	0.00	0.00

Manual Integration:

After

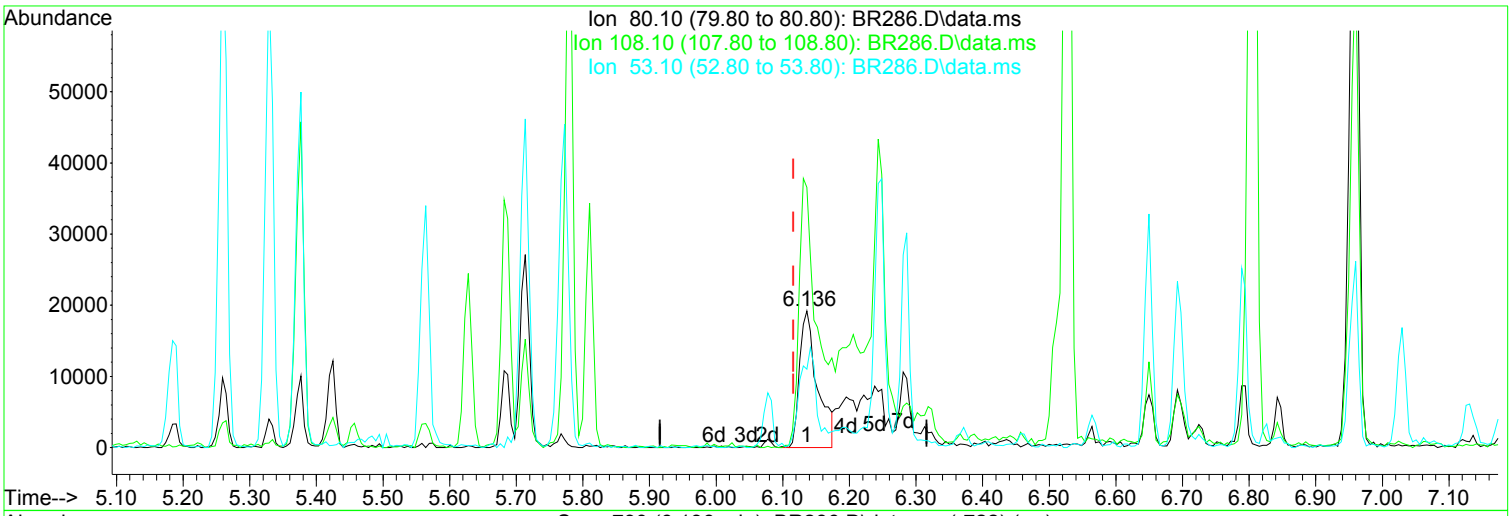
Poor integration.

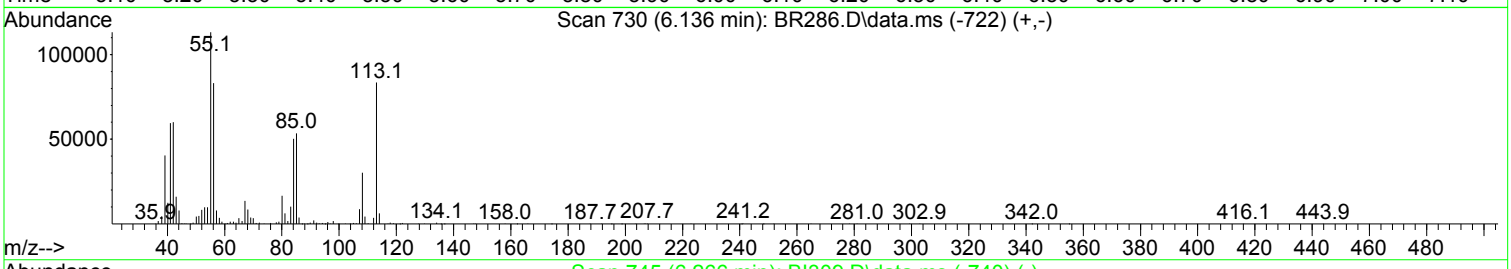
04/11/19

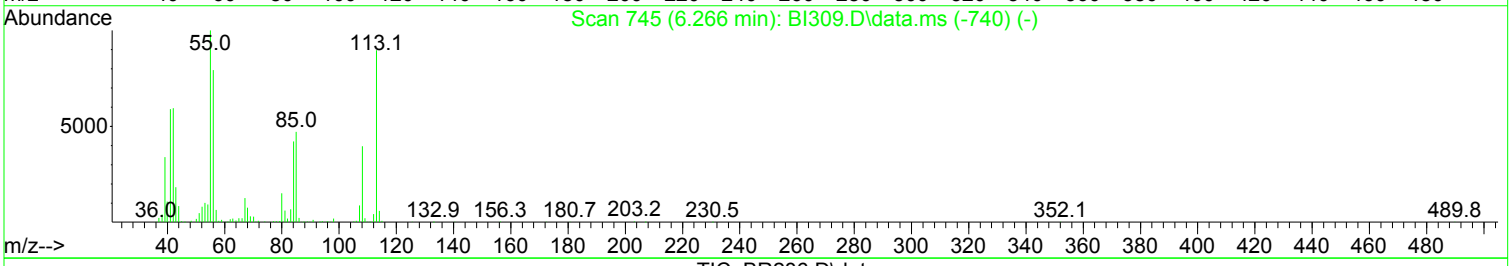
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR286.D
Acq On : 14 Mar 2019 5:32 pm
Operator : J.Misiurewicz
Sample : 160 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Apr 11 10:31:18 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Tue Apr 09 13:58:51 2019
Response via : Initial Calibration







TIC: BR286.D\data.ms

(53) p-Phenylenediamine (TM)

6.136min (+ 0.020) 75.25 ppm

response 35988

Ion	Exp%	Act%
80.10	100.00	100.00
108.10	216.90	181.11
53.10	42.90	57.97
0.00	0.00	0.00

Manual Integration:

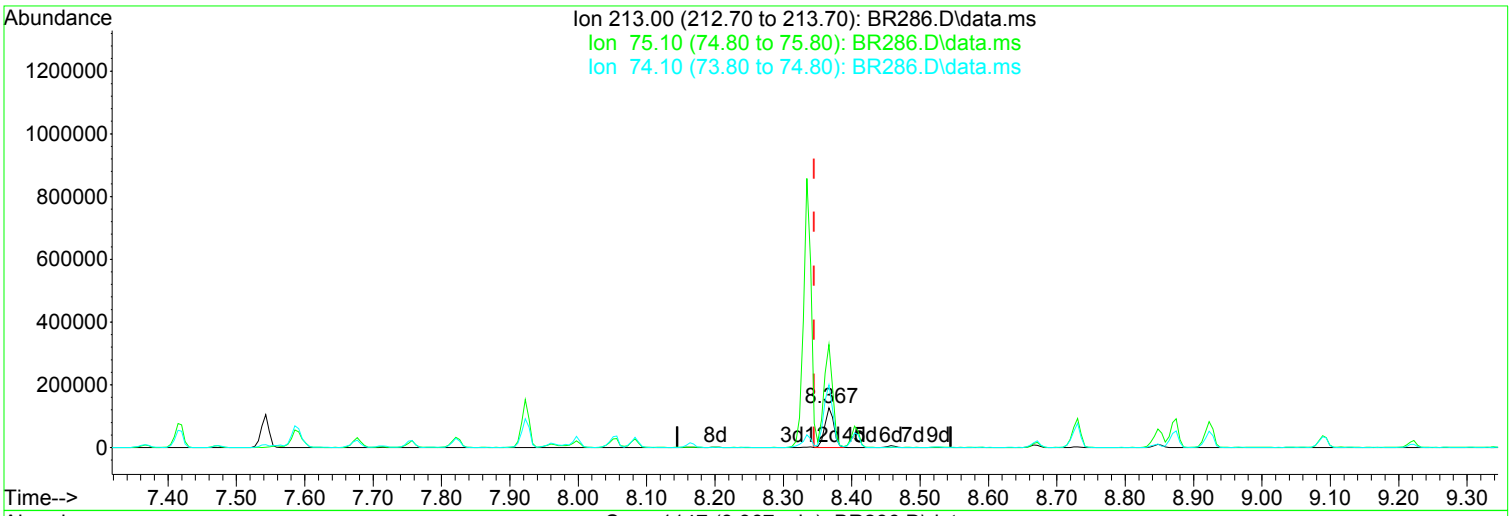
Before

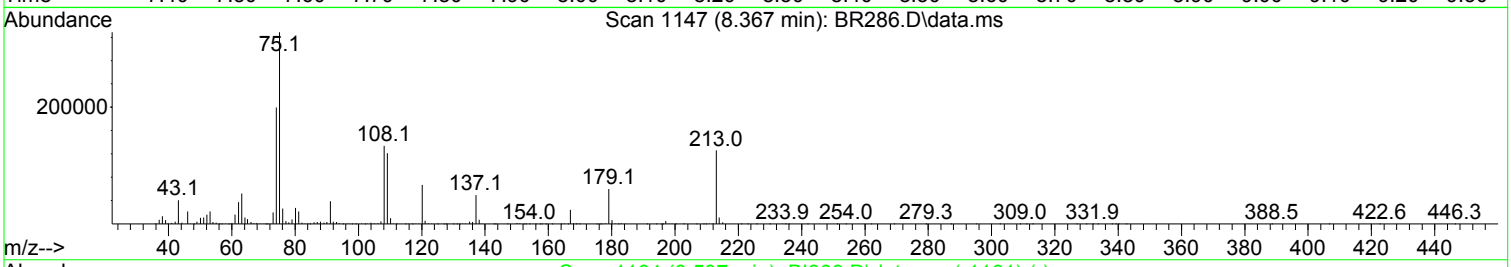
04/11/19

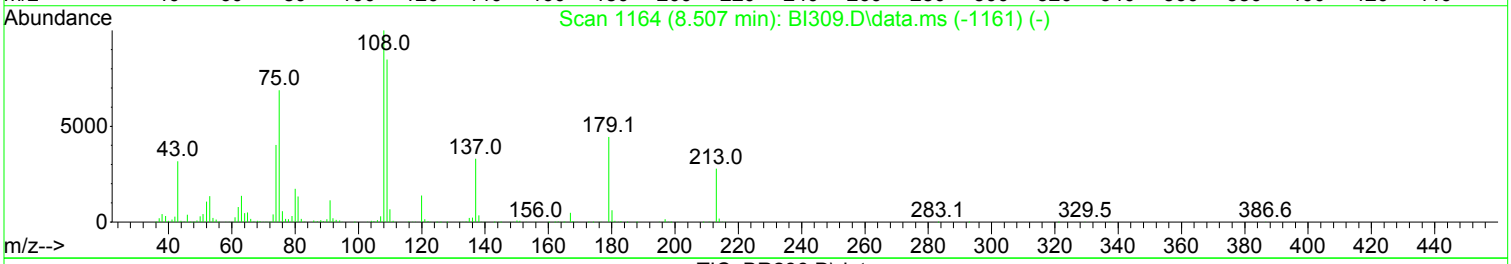
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR286.D
Acq On : 14 Mar 2019 5:32 pm
Operator : J.Misiurewicz
Sample : 160 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Apr 11 10:31:18 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Tue Apr 09 13:58:51 2019
Response via : Initial Calibration







TIC: BR286.D\data.ms

(97) 1,3,5-Trinirobenzene (TM)

8.367min (+ 0.022) 174.20 ppm m

response 114794

Ion	Exp%	Act%
213.00	100.00	100.00
75.10	0.00	260.61#
74.10	119.10	158.41
0.00	0.00	0.00

Manual Integration:

After

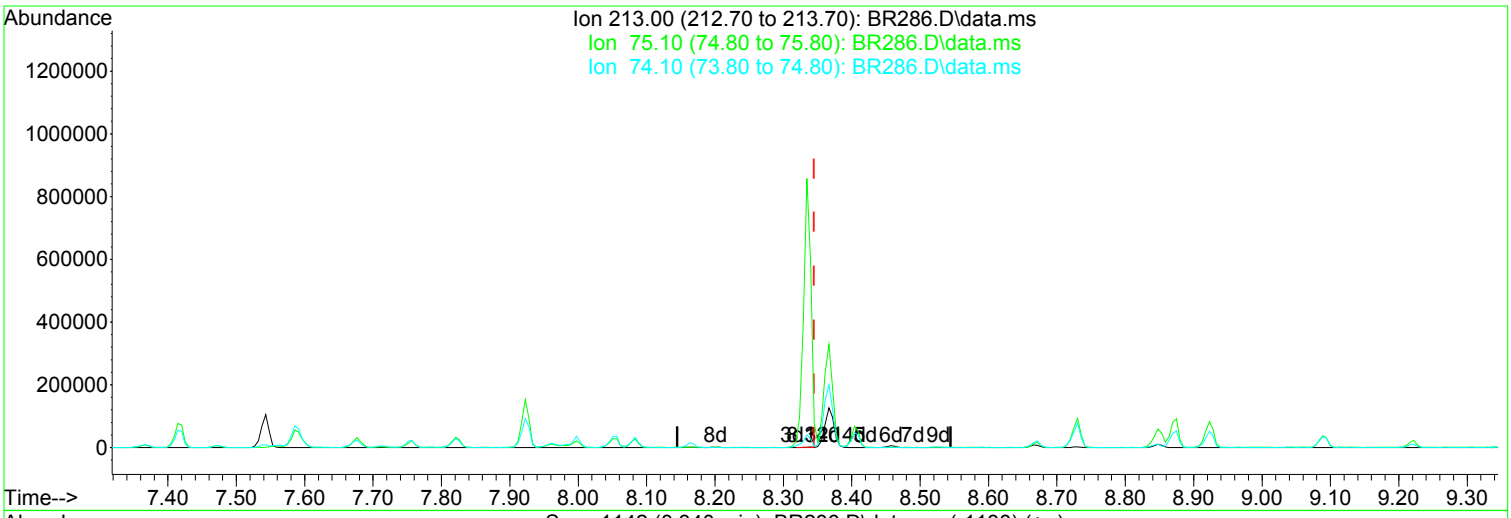
Wrong peak selected.

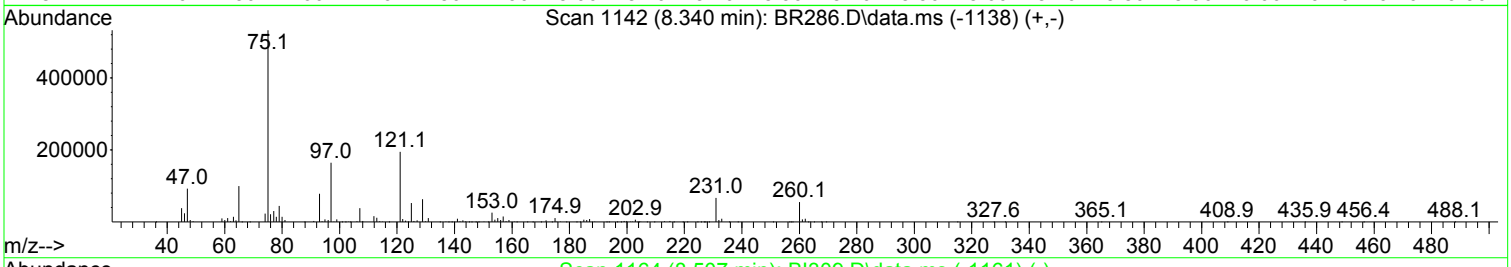
04/11/19

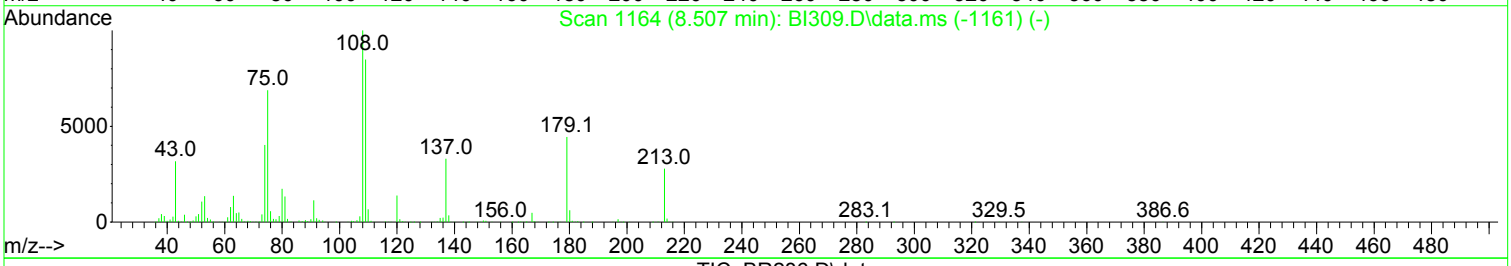
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR286.D
Acq On : 14 Mar 2019 5:32 pm
Operator : J.Misiurewicz
Sample : 160 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Apr 11 10:31:18 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Tue Apr 09 13:58:51 2019
Response via : Initial Calibration







TIC: BR286.D\data.ms

(97) 1,3,5-Trinirobenzene (TM)

8.340min (-0.005) 2.03 ppm

response 1338

Ion	Exp%	Act%
213.00	100.00	100.00
75.10	0.00	36949.51#
74.10	119.10	1595.91#
0.00	0.00	0.00

Manual Integration:

Before

04/11/19

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR286.D
Acq On : 14 Mar 2019 5:32 pm
Operator : J.Misiurewicz
Sample : 160 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Apr 11 10:31:18 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Tue Apr 09 13:58:51 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) d4-1,4-Dichlorobenzene	4.516	152	77934	40.00	ppm		0.00
33) d8-Naphthalene	5.681	136	300460	40.00	ppm		0.00
57) d10-Acenaphthene	7.382	164	175690	40.00	ppm		0.00
91) d10-Phenanthrene	8.848	188	326545	40.00	ppm		0.00
117) d12-Chrysene	11.966	240	336284	40.00	ppm		0.01
135) d12-Perylene	14.753	264	348159	40.00	ppm		0.00
System Monitoring Compounds							
7) SURR1,2-FLUOROPHENOL	3.435	112	487312	177.74	ppm		0.00
Spiked Amount 200.000	Range 10 - 70		Recovery = 88.87%#				
12) SURR2,PHENOL-D6	4.205	99	603532	177.40	ppm		0.00
Spiked Amount 200.000	Range 10 - 107		Recovery = 88.70%				
34) SURR4,NITROBENZENE-D5	5.024	82	527530	170.42	ppm		0.00
Spiked Amount 100.000	Range 31 - 110		Recovery = 170.42%#				
63) SURR5,2-FLUOROBIPHENYL	6.724	172	1152498	167.36	ppm		0.00
Spiked Amount 100.000	Range 31 - 118		Recovery = 167.36%#				
88) SURR3,2,4,6-TRIBROMOPH...	8.169	330	225811	177.36	ppm		0.00
Spiked Amount 200.000	Range 35 - 141		Recovery = 88.68%				
124) SURR6,TERPHENYL-D14	10.485	244	1368438	162.50	ppm		0.00
Spiked Amount 100.000	Range 10 - 165		Recovery = 162.50%				
Target Compounds							Qvalue
2) Pyridine	2.371	79	475420	183.758	ppm		97
3) N-Nitrosodimethylamine	2.349	74	287875	182.970	ppm		93
4) 2-Picoline	2.964	93	485676	180.936	ppm		97
5) N-Nitrosomethylamine	3.055	42	216342	163.142	ppm		98
6) Methyl Methansulfonate	3.307	80	218003	175.958	ppm		98
8) N-Nitrosodiethylamine	3.617	102	216157	175.958	ppm		95
9) Ethyl Mathanesulfonate	3.868	79	401211	175.844	ppm		99
11) Aniline	4.237	93	805077	176.855	ppm		85
13) Phenol	4.216	94	667176	188.751	ppm		91
14) bis(2-Clethyl)Ether	4.285	93	417488	176.598	ppm		96
15) Pentachloroethane	4.275	117	196739	171.803	ppm		92
16) 2-Chlorophenol	4.339	128	520892	174.410	ppm		95
17) 1,3-Diclbenzene	4.467	146	567358	171.598	ppm		98
18) 1,4-Dichlorobenzene	4.532	146	584135	173.694	ppm		96
19) 1,2-Diclbenzene	4.665	146	559905	172.702	ppm		98
20) Benzyl Alcohol	4.649	79	402163	181.075	ppm		99
21) 1-Methyl-2-pyrrolidinone	4.713	99	310984	168.704	ppm		96
22) 2,2'-oxybis(1-Chloropr...	4.751	45	425434	173.604	ppm	#	78
23) 2-Methylphenol	4.772	108	459476	177.286	ppm		92
24) 3+4-Methylphenol	4.901	108	539355	179.756	ppm	#	71
25) Acetophenone	4.879	105	693650	176.039	ppm		80
26) N-Nitroso-Di-n-propyla...	4.890	70	363429	176.116	ppm		91
27) N-Nitrosopyrrolidine	4.895	100	264054	181.328	ppm		69
28) N-Nitrosomorpholine	4.917	56	291088	189.912	ppm		95
29) o-Toluidine	4.917	106	737469	173.680	ppm		81
30) Hexachloroethane	4.965	117	238916	177.326	ppm		98
31) o,o,o-Triethylphosphor...	5.425	198	251921	173.257	ppm		98
32) Alpha-terpinol	5.714	121	186662	180.256	ppm		95
35) Nitrobenzene	5.045	77	556946	176.738	ppm		90
36) N-Nitrosopiperidine	5.184	42	301437	168.416	ppm		95
37) Isophorone	5.259	82	911639	170.992	ppm		99
38) 2-Nitrophenol	5.328	139	290989	175.150	ppm		89
39) Benzoic Acid	5.505	105	304179	166.842	ppm		97

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Quant Title : 8270 BNA ANALYSIS
QLast Update : Tue Apr 09 13:58:51 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
40) 2,4-Dimethylphenol	5.377	107	533456	176.517	ppm		99
41) bis(-2-Chloroethoxy)Me...	5.457	93	537151	169.015	ppm		97
42) 2,4-Dichlorophenol	5.564	162	446623	175.839	ppm		99
43) a,a-Dimethylphenethyla...	6.238	58	941042m	161.486	ppm		
44) 1,2,4-Trichlorobenzene	5.628	180	478081	167.344	ppm		99
45) Naphthalene	5.708	128	1501195	168.318	ppm		99
46) 4-Chloroaniline	5.767	127	612397	169.117	ppm		98
47) 2,6-Dichlorophenol	5.772	162	468748	174.340	ppm		99
48) Hexachlorobutadiene	5.810	225	304902	172.827	ppm		97
49) Hexachloropropene	5.778	213	406462	175.778	ppm		98
50) 4-Chloro-3-methylphenol	6.248	107	437854	179.497	ppm		93
51) N-N-di-n-butylamine	6.077	84	329559	150.539	ppm		97
52) Caprolactam	6.141	113	153998	183.247	ppm		85
53) p-Phenylenediamine	6.136	80	69447m	145.209	ppm		
54) Safrole	6.286	162	395123	169.561	ppm		98
55) 2-Methylnaphthalene	6.366	142	1024531	168.263	ppm		98
56) 1-Methylnaphthalene	6.462	142	960073	167.305	ppm		98
58) Hexachlorocyclopentadiene	6.511	237	324950	160.756	ppm		98
59) 1,2,4,5-Tetrachloroben...	6.527	216	519499	167.135	ppm		95
60) 1,2,3,4-Tetrachloroben...	6.805	216	539742	166.423	ppm		95
61) 2,4,6-Trichlorophenol	6.650	196	323808	174.638	ppm		98
62) 2,4,5-Trichlorophenol	6.692	196	347695	171.151	ppm		98
64) Isosafrole	6.789	104	207017	177.429	ppm		81
65) 1,1'-Biphenyl	6.826	154	1272970	161.043	ppm		99
66) 2-Chloronaphthalene	6.848	162	956343	165.003	ppm		97
67) 2-Nitroaniline	6.960	65	266324	172.681	ppm		99
68) 1,4-Naphthoquinone	7.029	158	273608	164.552	ppm		96
69) m-Dinitrobenzene	7.179	168	185281	177.493	ppm		86
70) Acenaphthylene	7.249	152	1550739	166.110	ppm		99
71) Dimethyl phthalate	7.136	163	1173834	167.254	ppm		99
72) 2,6-Dinitrotoluene	7.201	165	264509	175.162	ppm		78
73) Acenaphthene	7.420	153	1074566	164.665	ppm		100
74) 3-Nitroaniline	7.366	138	292680	176.006	ppm		94
75) 2,4-Dinitrophenol	7.473	184	159442	159.428	ppm		93
76) Dibenzofuran	7.586	168	1349413	158.430	ppm		89
77) 2,4-Dinitrotoluene	7.596	165	374132	175.398	ppm		80
78) 4-Nitrophenol	7.559	65	168216	155.610	ppm	#	80
79) Pentachlorobenzene	7.543	250	480807	160.245	ppm		99
80) 1-Napthylamine	7.677	143	679704	165.234	ppm		97
81) 2-Napthylamine	7.757	143	837008	163.869	ppm		98
82) 2,3,4,6-Tetrachlorophenol	7.714	232	307383	180.067	ppm		93
83) Fluorene	7.923	166	1142248	165.506	ppm		99
84) 4-Chlorophenyl-phenyle...	7.923	204	507649	163.263	ppm		90
85) Diethylphthalate	7.821	149	1242026	168.230	ppm		100
86) 4-Nitroaniline	7.981	138	301383	176.098	ppm		99
87) 5-Nitro-o-toluidine	7.960	152	351531	181.242	ppm		94
89) Sulfotepp	8.201	322	182738	172.428	ppm		96
90) Octachlorocyclopentene	8.163	307	237552	169.524	ppm		98
92) Thionazin	7.907	107	177213	159.640	ppm		94
93) 4,6-Dinitro-2-methylph...	7.997	198	233573	174.105	ppm		97
94) Diphenylamine	8.056	169	1777462	323.414	ppm		99
95) 1,2 Diphenylhydrazine	8.083	77	1107832	157.640	ppm		98
96) N-Nitrosodiphenylamine	8.056	169	1777899	323.468	ppm		99
97) 1,3,5-Trinirobenzene	8.367	213	114794m	174.204	ppm		
98) Diallate	8.324	86	410238	161.062	ppm		98
99) Phorate	8.334	121	212223	162.101	ppm		96

1st DM 04/11/19
2nd BA 04/11/19

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Quant Title : 8270 BNA ANALYSIS
QLast Update : Tue Apr 09 13:58:51 2019
Response via : Initial Calibration

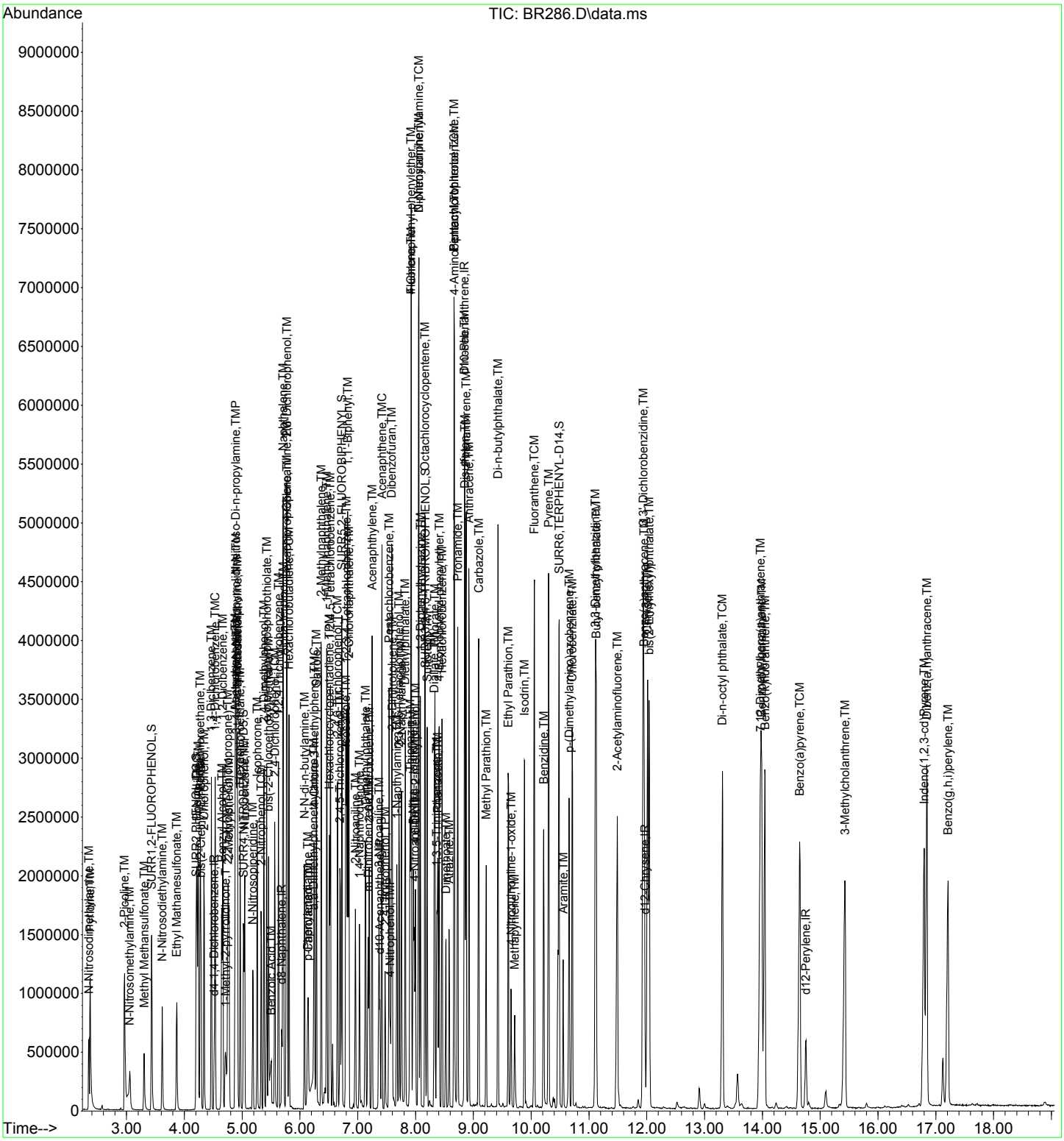
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
100) Phenacetin	8.383	108	572352	166.116	ppm	97
101) 4-Bromophenyl-phenylether	8.409	248	327080	160.083	ppm	97
102) Hexachlorobenzene	8.457	284	412512	158.740	ppm	89
103) Dimethoate	8.527	87	275389	129.074	ppm	93
104) Atrazine	8.580	215	75122	106.518	ppm	88
105) Pentachlorophenol	8.666	266	251581	177.053	ppm	97
106) 4-Aminobiphenyl	8.671	169	845382	157.982	ppm	98
107) Pentachloronitrobenzene	8.666	237	201006	181.769	ppm	89
108) Pronamide	8.730	173	610628	170.106	ppm	98
109) Dinoseb	8.848	211	336683	177.483	ppm	100
110) Disulfoton	8.853	88	545306	152.837	ppm	96
111) Phenanthrene	8.875	178	1687037	159.374	ppm	99
112) Anthracene	8.923	178	1674846	161.152	ppm	99
113) Carbazole	9.094	167	1592395	161.640	ppm	99
114) Di-n-butylphthalate	9.426	149	2223176	168.004	ppm	99
115) 4-Nitroquinonline-1-oxide	9.656	190	124811	170.526	ppm	93
116) Fluoranthene	10.057	202	1910201	164.406	ppm	99
118) Methyl Parathion	9.222	109	312284	161.367	ppm	96
119) Ethyl Parathion	9.602	97	288270	175.091	ppm	99
120) Methapyrilene	9.714	58	222212	164.123	ppm	95
121) Isodrin	9.886	193	197860	172.201	ppm	92
122) Benzidine	10.217	184	980029	169.016	ppm	99
123) Pyrene	10.303	202	1920121	162.633	ppm	99
125) Aramite	10.554	185	205677m	167.654	ppm	
126) p-(Dimethylamino)azobe...	10.656	120	503431	173.433	ppm	96
127) Chlorobenzilate	10.709	139	639332	173.492	ppm	95
128) Butyl benzyl phthalate	11.126	149	1031791	174.186	ppm	96
129) 3,3-Dimethylbenzidine	11.110	212	1100107	173.604	ppm	97
130) 2-Acetylaminofluorene	11.490	181	822645	176.654	ppm	98
131) 3,3'-Dichlorobenzidine	11.939	252	785837	174.950	ppm	98
132) Benzo(a)anthracene	11.950	228	1894451	169.286	ppm	99
133) Chrysene	12.014	228	1729292	162.799	ppm	99
134) bis(2-Ethylhexyl)phtha...	12.041	149	1476531	178.967	ppm	98
136) Di-n-octyl phthalate	13.309	149	2475534	176.292	ppm	99
137) 7,12-Dimethylbenz(a)an...	13.967	256	898071	170.838	ppm	99
138) Benzo(b)Fluoranthene	13.988	252	2072942	171.896	ppm	97
139) Benzo(k)fluoranthene	14.047	252	1874173	166.497	ppm	99
140) Benzo(a)pyrene	14.646	252	1754574	174.619	ppm	99
141) 3-Methylcholanthrene	15.427	268	1009754	172.225	ppm	97
142) Indeno(1,2,3-cd)Pyrene	16.801	276	1721976	167.502	ppm	93
143) Dibenz(a,h)anthracene	16.844	278	1828050	166.932	ppm	98
144) Benzo(g,h,i)perylene	17.213	276	1439237	159.162	ppm	97

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

1st DM 04/11/19
2nd BA 04/11/19

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR286.D
Acq On : 14 Mar 2019 5:32 pm
Operator : J.Misiurewicz
Sample : 160 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Apr 11 10:31:18 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Tue Apr 09 13:58:51 2019
Response via : Initial Calibration

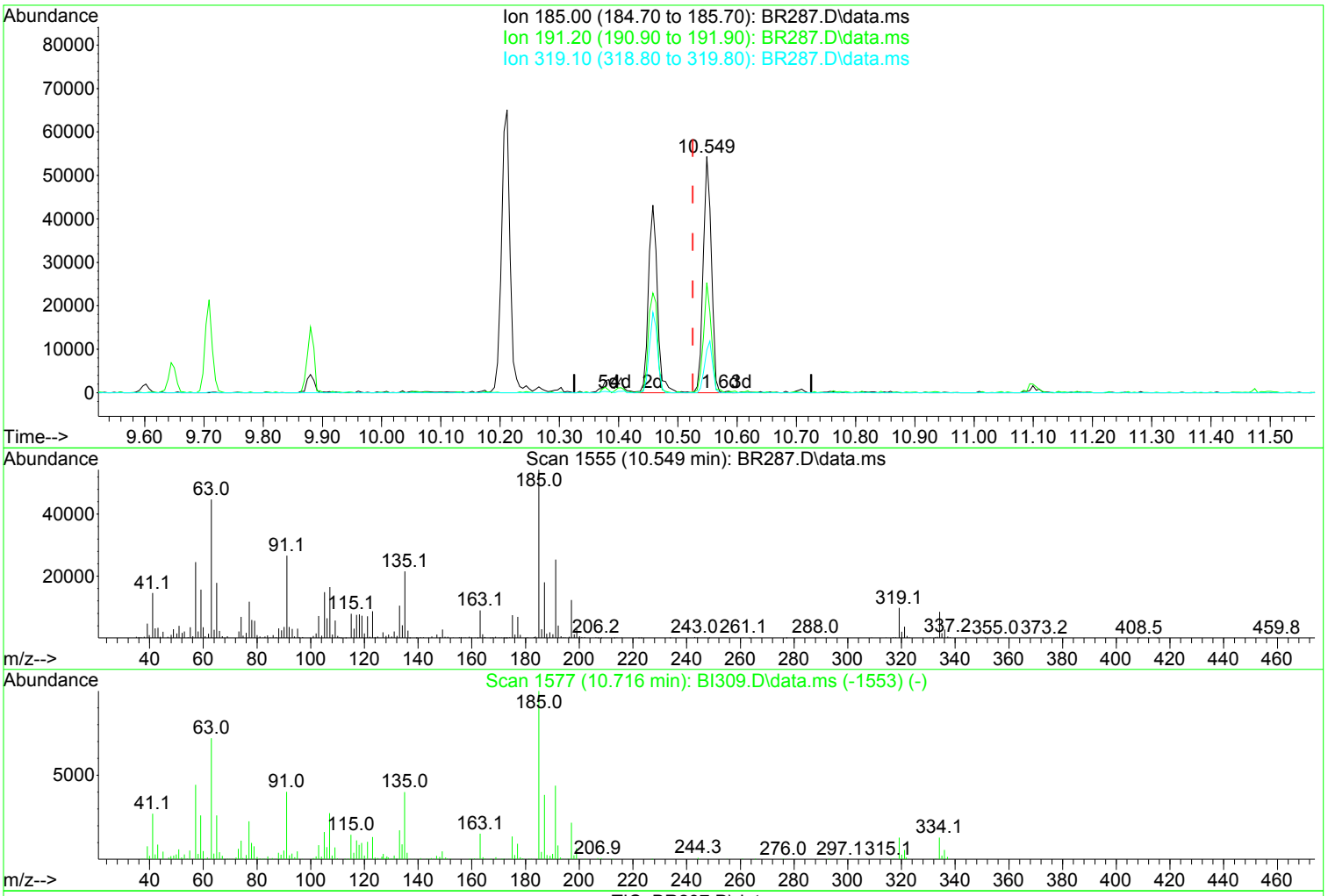


1st DM 04/11/19
2nd BA 04/11/19

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR287.D
Acq On : 14 Mar 2019 6:00 pm
Operator : J.Misiurewicz
Sample : ICV
Misc : Initial Calibration 8270D/625
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 11 12:02:09 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Thu Apr 11 11:28:20 2019
Response via : Initial Calibration



TIC: BR287.D\data.ms

(125) Aramite (TM)

10.549min (+ 0.023) 82.49 ppm m

response 97847

Ion	Exp%	Act%
185.00	100.00	100.00
191.20	47.90	46.60
319.10	17.60	18.06
0.00	0.00	0.00

Manual Integration:

After

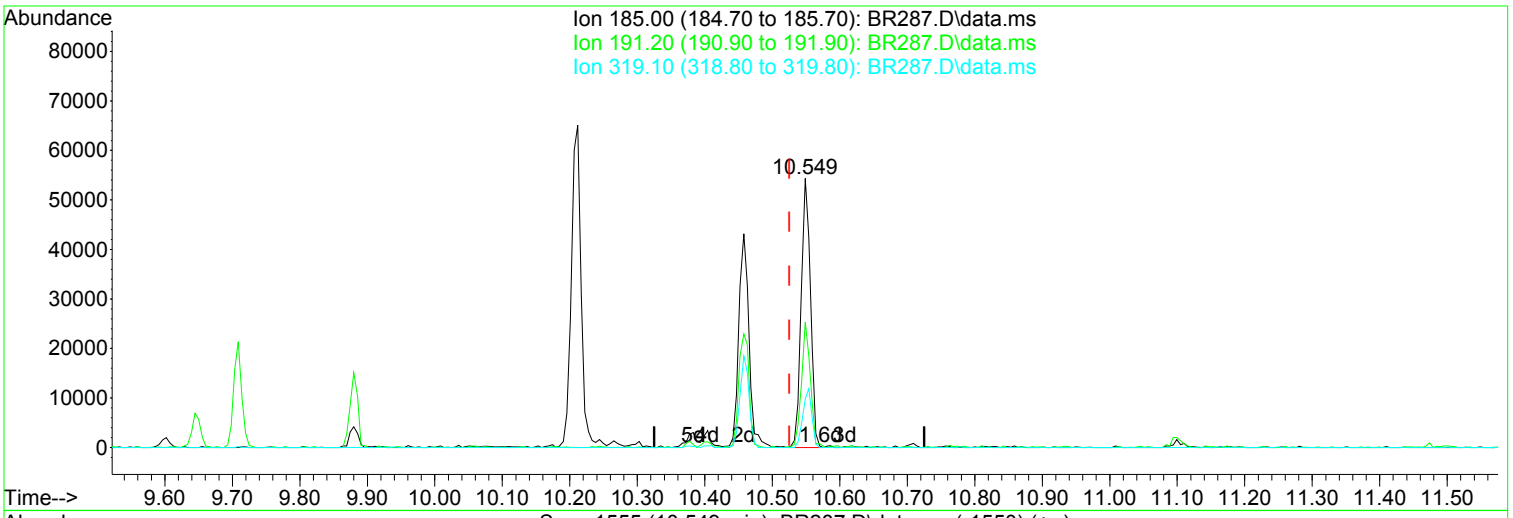
Split Peak.

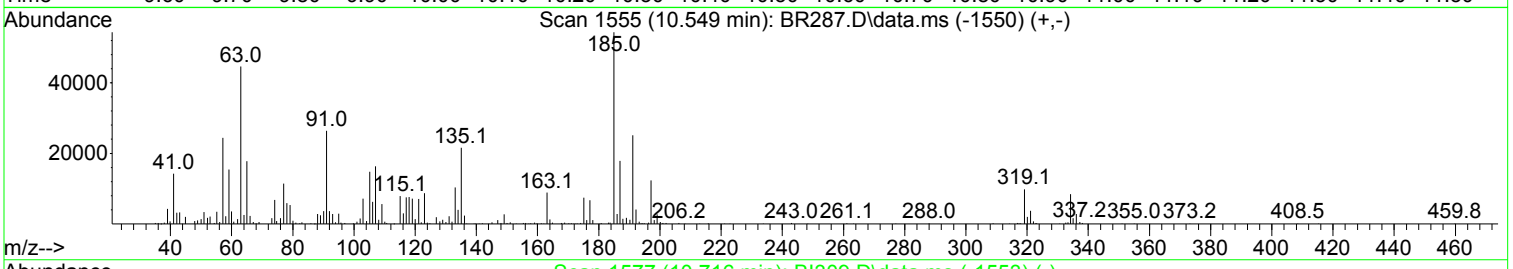
04/11/19

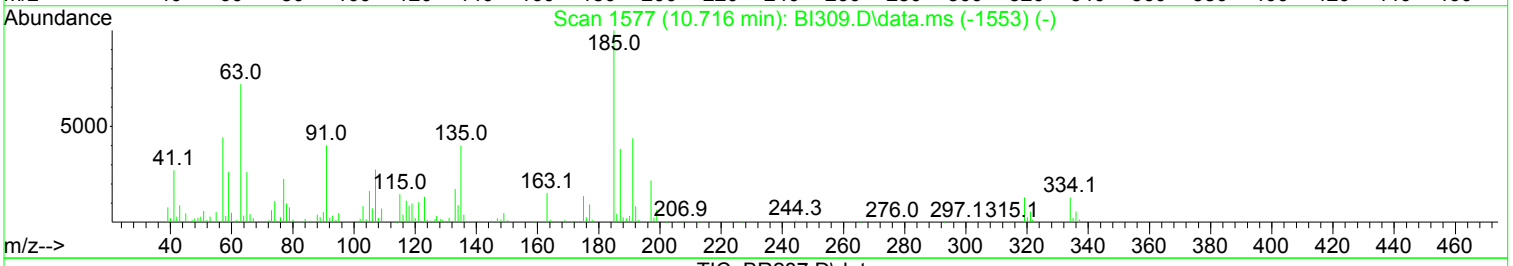
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR287.D
Acq On : 14 Mar 2019 6:00 pm
Operator : J.Misiurewicz
Sample : ICV
Misc : Initial Calibration 8270D/625
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 11 12:02:09 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Thu Apr 11 11:28:20 2019
Response via : Initial Calibration







TIC: BR287.D\data.ms

(125) Aramite (TM)

10.549min (+ 0.023) 43.88 ppm

response 52050

Ion	Exp%	Act%
185.00	100.00	100.00
191.20	47.90	46.21
319.10	17.60	18.06
0.00	0.00	0.00

Manual Integration:

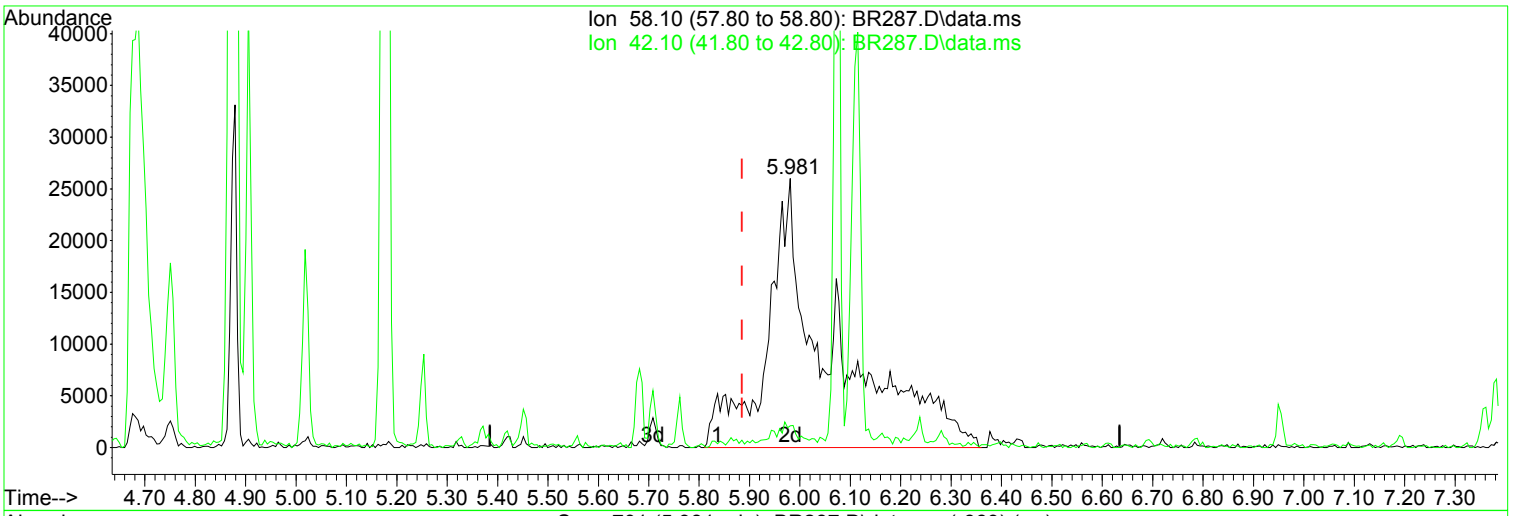
Before

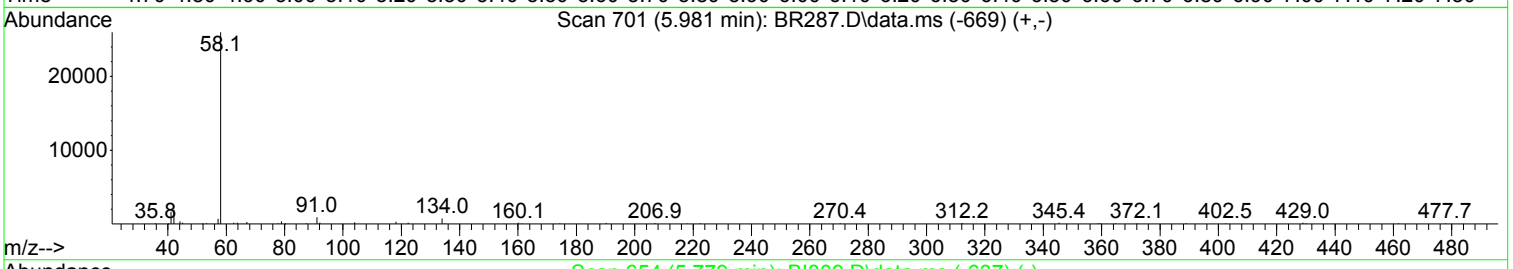
04/11/19

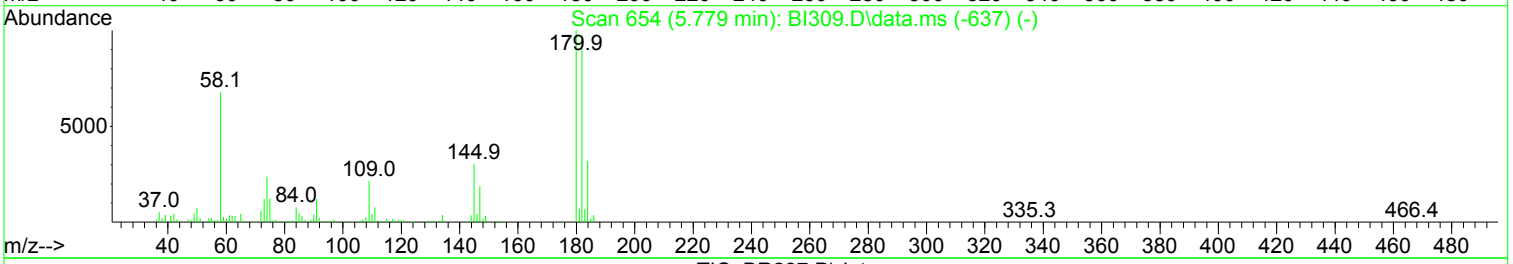
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR287.D
Acq On : 14 Mar 2019 6:00 pm
Operator : J.Misiurewicz
Sample : ICV
Misc : Initial Calibration 8270D/625
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 11 12:02:09 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Thu Apr 11 11:28:20 2019
Response via : Initial Calibration







TIC: BR287.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

5.981min (+ 0.096) 38.99 ppm m

response 229493

Ion	Exp%	Act%
58.10	100.00	100.00
42.10	6.70	8.06
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

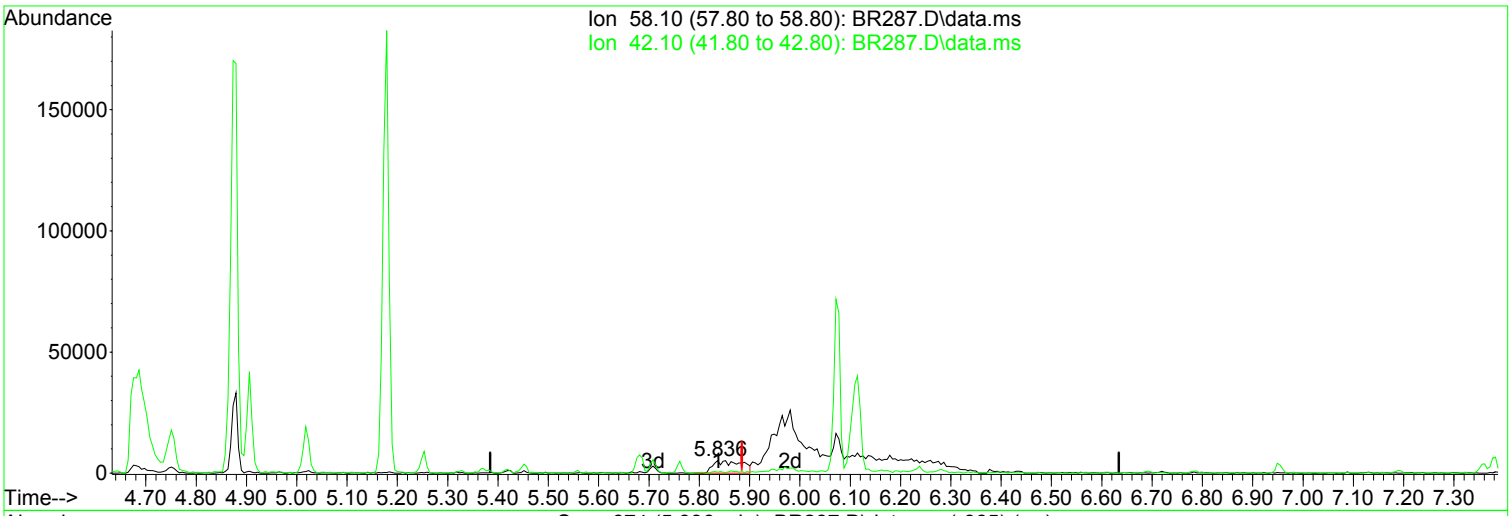
04/11/19

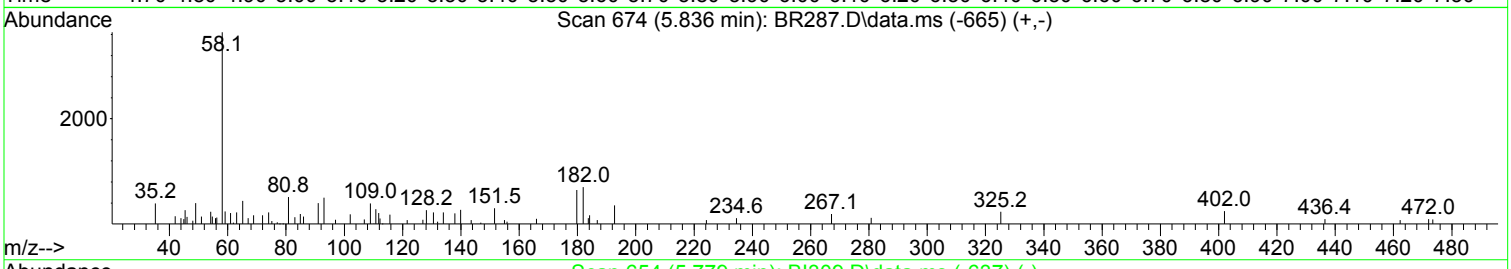
1st DM 04/11/19
2nd BA 04/11/19

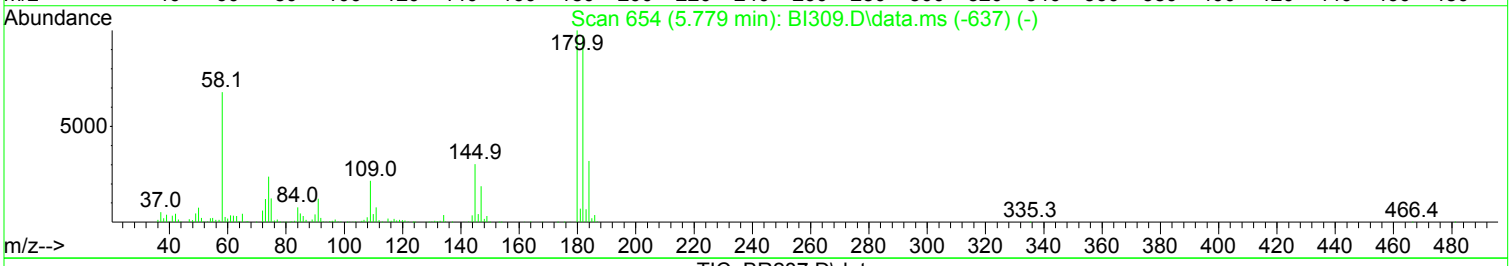
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR287.D
Acq On : 14 Mar 2019 6:00 pm
Operator : J.Misiurewicz
Sample : ICV
Misc : Initial Calibration 8270D/625
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 11 12:02:09 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Thu Apr 11 11:28:20 2019
Response via : Initial Calibration







TIC: BR287.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

5.836min (-0.049) 3.50 ppm

response 20596

Ion	Exp%	Act%
58.10	100.00	100.00
42.10	6.70	4.14
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

04/11/19

1st DM 04/11/19
2nd BA 04/11/19

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR287.D
Acq On : 14 Mar 2019 6:00 pm
Operator : J.Misiurewicz
Sample : ICV
Misc : Initial Calibration 8270D/625
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 11 12:02:09 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Thu Apr 11 11:28:20 2019
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	IR	d4-1,4-Dichlorobenzene	40.000	40.000		0.0	93	0.00
2	TM	Pyridine	80.000	82.157		-2.7	94	-0.03
3	TM	N-Nitrosodimethylamine	80.000	75.212		6.0	84	-0.01
4	TM	2-Picoline	80.000	84.397		-5.5	94	-0.01
5	TM	N-Nitrosomethylamine	80.000	74.890		6.4	93	0.00
6	TM	Methyl Methansulfonate	80.000	81.035		-1.3	94	0.00
7	S	SURR1,2-FLUOROPHENOL	80.000	79.656		0.4	90	0.00
8	TM	N-Nitrosodiethylamine	80.000	77.698		2.9	85	0.00
9	TM	Ethyl Mathanesulfonate	80.000	77.192		3.5	89	0.00
10	TM	Benzaldehyde	80.000	77.707		2.9	88	0.00
11	TM	Aniline	80.000	80.704		-0.9	92	0.00
12	S	SURR2,PHENOL-D6	80.000	77.764		2.8	89	0.00
13	TMC	Phenol	80.000	77.733		2.8	91	0.00
14	TM	bis(2-Clethyl)Ether	80.000	82.291		-2.9	94	0.00
15	TM	Pentachloroethane	80.000	71.830		10.2	84	0.00
16	TM	2-Chlorophenol	80.000	79.898		0.1	92	0.00
17	TM	1,3-Diclbenzene	80.000	77.946		2.6	90	0.00
18	TMC	1,4-Dichlorobenzene	80.000	76.739		4.1	90	0.00
19	TM	1,2-Diclbenzene	80.000	76.167		4.8	87	0.00
20	TM	Benzyl Alcohol	80.000	80.615		-0.8	90	0.00
21	T	1-Methyl-2-pyrrolidinone	80.000	83.453		-4.3	94	0.00
22	TM	2,2'-oxybis(1-Chloropropane	80.000	100.066		-25.1#	116	0.00
23	TM	2-Methylphenol	80.000	78.917		1.4	89	0.01
24	TM	3+4-Methylphenol	80.000	80.305		-0.4	88	0.00
25	TM	Acetophenone	80.000	79.015		1.2	90	0.00
26	TMP	N-Nitroso-Di-n-propylamine	80.000	82.333		-2.9	95	0.00
27	TM	N-Nitrosopyrrolidine	80.000	85.899		-7.4	97	0.00
28	TM	N-Nitrosomorpholine	80.000	79.032		1.2	94	0.00
29	TM	o-Toluidine	80.000	80.004		-0.0	93	0.00
30	TM	Hexachloroethane	80.000	79.059		1.2	90	0.00
31	TM	o,o,o-Triethylphosphorothio	80.000	83.646		-4.6	95	0.00
32	TM	Alpha-terpinol	80.000	87.292		-9.1	96	0.00
33	IR	d8-Naphthalene	40.000	40.000		0.0	94	0.00
34	S	SURR4,NITROBENZENE-D5	80.000	75.919		5.1	89	0.00
35	TM	Nitrobenzene	80.000	73.533		8.1	86	0.00
36	TM	N-Nitrosopiperidine	80.000	82.202		-2.8	99	0.00
37	TM	Isophorone	80.000	65.542		18.1	77	0.00
38	TCM	2-Nitrophenol	80.000	75.250		5.9	89	0.00
39	TM	Benzoic Acid	80.000	76.641		4.2	86	0.01
40	TM	2,4-Dimethylphenol	80.000	77.867		2.7	91	0.00
41	TM	bis(-2-Chloroethoxy)Methane	80.000	78.312		2.1	94	0.00
42	TCM	2,4-Dichlorophenol	80.000	79.558		0.6	91	0.00
43	TM	a,a-Dimethylphenethylamine	40 80.000	38.989	2.5	~~51.3#~~	49	0.10
44	TM	1,2,4-Trichlorobenzene	80.000	73.315		8.4	88	0.00
45	TM	Naphthalene	80.000	77.410		3.2	92	0.00
46	TM	4-Chloroaniline	80.000	77.105		3.6	91	0.00
47	TM	2,6-Dichlorophenol	80.000	73.567		8.0	86	0.00
48	TCM	Hexachlorobutadiene	80.000	76.599		4.3	92	0.00
49	TM	Hexachloropropene	80.000	71.495		10.6	85	0.00
50	TMC	4-Chloro-3-methylphenol	80.000	77.665		2.9	90	0.00
51	TM	N-N-di-n-butylamine	80.000	71.313		10.9	92	0.00

1st DM 04/11/19
2nd BA 04/11/19

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR287.D
Acq On : 14 Mar 2019 6:00 pm
Operator : J.Misiurewicz
Sample : ICV
Misc : Initial Calibration 8270D/625
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 11 12:02:09 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Thu Apr 11 11:28:20 2019
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	TM	Caprolactam	80.000	80.922	-1.2	96	0.02
53	TM	p-Phenylenediamine	80.000	116.936	-46.2#	143	0.00
54	TM	Safrole	80.000	76.237	4.7	93	0.00
55	TM	2-Methylnaphthalene	80.000	70.527	11.8	84	0.00
56	TM	1-Methylnaphthalene	80.000	76.604	4.2	91	0.00
57	IR	d10-Acenaphthene	40.000	40.000	0.0	95	0.00
58	TPM	Hexachlorocyclopentadiene	80.000	78.274	2.2	90	0.00
59	TM	1,2,4,5-Tetrachlorobenzene	80.000	73.594	8.0	86	0.00
60	TM	1,2,3,4-Tetrachlorobenzene	80.000	76.453	4.4	89	0.00
61	TCM	2,4,6-Trichlorophenol	80.000	83.503	-4.4	91	0.00
62	TM	2,4,5-Trichlorophenol	80.000	72.230	9.7	85	0.00
63	S	SURR5,2-FLUOROBIPHENYL	80.000	77.663	2.9	88	0.00
64	TM	Isosafrole	80.000	78.514	1.9	92	0.00
65	TM	1,1'-Biphenyl	80.000	79.381	0.8	93	0.00
66	TM	2-Chloronaphthalene	80.000	76.016	5.0	90	0.00
67	TM	2-Nitroaniline	80.000	85.820	-7.3	99	0.00
68	TM	1,4-Naphthoquinone	80.000	71.362	10.8	83	0.00
69	TM	m-Dinitrobenzene	80.000	75.441	5.7	83	0.00
70	TM	Acenaphthylene	80.000	78.660	1.7	90	0.00
71	TM	Dimethyl phthalate	80.000	71.412	10.7	85	0.00
72	TM	2,6-Dinitrotoluene	80.000	75.485	5.6	84	0.00
73	TMC	Acenaphthene	80.000	72.537	9.3	84	0.00
74	TM	3-Nitroaniline	80.000	87.027	-8.8	98	0.00
75	TPM	2,4-Dinitrophenol	80.000	79.893	0.1	93	0.00
76	TM	Dibenzofuran	80.000	76.308	4.6	87	0.00
77	TM	2,4-Dinitrotoluene	80.000	74.768	6.5	84	0.00
78	TMP	4-Nitrophenol	80.000	76.291	4.6	84	0.00
79	TM	Pentachlorobenzene	80.000	73.312	8.4	88	0.00
80	TM	1-Napthylamine	80.000	83.057	-3.8	98	0.00
81	TM	2-Napthylamine	80.000	70.724	11.6	83	0.00
82	TM	2,3,4,6-Tetrachlorophenol	80.000	73.953	7.6	85	0.00
83	TM	Fluorene	80.000	73.459	8.2	87	0.00
84	TM	4-Chlorophenyl-phenylether	80.000	78.481	1.9	93	0.00
85	TM	Diethylphthalate	80.000	71.136	11.1	84	0.00
86	TM	4-Nitroaniline	80.000	83.738	-4.7	97	0.00
87	TM	5-Nitro-o-toluidine	80.000	79.708	0.4	92	0.00
88	S	SURR3,2,4,6-TRIBROMOPHENOL	80.000	80.315	-0.4	91	0.00
89	TM	Sulfotepp	80.000	81.158	-1.4	96	0.00
90	TM	Octachlorocyclopentene	80.000	79.483	0.6	88	0.00
91	IR	d10-Phenanthrene	40.000	40.000	0.0	94	0.00
92	TM	Thionazin	80.000	78.355	2.1	90	0.00
93	TM	4,6-Dinitro-2-methylphenol	80.000	78.189	2.3	88	0.00
94	TM	Diphenylamine	160.000	157.250	1.7	92	0.00
95	TM	1,2 Diphenylhydrazine	80.000	77.799	2.8	92	0.00
96	TCM	N-Nitrosodiphenylamine	160.000	157.237	1.7	92	0.00
97	TM	1,3,5-Trinirobenzene	80.000	79.435	0.7	87	0.00
98	TM	Diallate	80.000	77.084	3.6	92	0.00
99	TM	Phorate	80.000	83.194	-4.0	96	0.00
100	TM	Phenacetin	80.000	85.131	-6.4	91	0.00
101	TM	4-Bromophenyl-phenylether	80.000	79.755	0.3	93	0.00

1st DM 04/11/19
2nd BA 04/11/19

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR287.D
Acq On : 14 Mar 2019 6:00 pm
Operator : J.Misiurewicz
Sample : ICV
Misc : Initial Calibration 8270D/625
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 11 12:02:09 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Thu Apr 11 11:28:20 2019
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	TM	Hexachlorobenzene	80.000	74.041	7.4	91	0.00
103	TM	Dimethoate	80.000	73.828	7.7	87	0.00
104	TM	Atrazine	80.000	95.870	-19.8	101	0.00
105	TCM	Pentachlorophenol	80.000	85.805	-7.3	96	0.00
106	TM	4-Aminobiphenyl	80.000	78.000	2.5	85	0.00
107	TM	Pentachloronitrobenzene	80.000	75.553	5.6	85	0.00
108	TM	Pronamide	80.000	84.713	-5.9	91	0.00
109	TM	Dinoseb	80.000	76.339	4.6	84	0.00
110	TM	Disulfoton	80.000	82.251	-2.8	99	0.00
111	TM	Phenanthrene	80.000	73.261	8.4	85	0.00
112	TM	Anthracene	80.000	74.378	7.0	86	0.00
113	TM	Carbazole	80.000	79.863	0.2	90	0.00
114	TM	Di-n-butylphthalate	80.000	73.726	7.8	83	0.00
115	TM	4-Nitroquinonline-1-oxide	80.000	76.878	3.9	86	0.00
116	TCM	Fluoranthene	80.000	77.101	3.6	86	0.00
117	IR	d12-Chrysene	40.000	40.000	0.0	94	0.00
118	TM	Methyl Parathion	80.000	75.598	5.5	83	0.00
119	TM	Ethyl Parathion	80.000	85.291	-6.6	92	0.00
120	TM	Methapyrilene	80.000	112.023	-40.0#	127	0.00
121	TM	Isodrin	80.000	78.192	2.3	90	0.00
122	TM	Benzidine	80.000	86.550	-8.2	95	0.00
123	TM	Pyrene	80.000	77.490	3.1	86	0.00
124	S	SURR6,TERPHENYL-D14	80.000	77.853	2.7	90	0.00
125	TM	Aramite	80.000	82.486	-3.1	93	0.02
126	TM	p-(Dimethylamino)azobenzene	80.000	83.452	-4.3	89	0.00
127	TM	Chlorobenzilate	80.000	84.824	-6.0	93	0.00
128	TM	Butyl benzyl phthalate	80.000	76.968	3.8	86	0.00
129	TM	3,3-Dimethylbenzidine	80.000	84.052	-5.1	91	0.00
130	TM	2-Acetylaminofluorene	80.000	87.101	-8.9	94	0.00
131	TM	3,3'-Dichlorobenzidine	80.000	81.658	-2.1	90	0.00
132	TM	Benzo(a)anthracene	80.000	76.111	4.9	86	0.00
133	TM	Chrysene	80.000	77.049	3.7	89	0.00
134	TM	bis(2-Ethylhexyl)phthalate	80.000	73.575	8.0	83	0.00
135	IR	d12-Perylene	40.000	40.000	0.0	95	0.00
136	TCM	Di-n-octyl phthalate	80.000	74.422	7.0	83	0.00
137	TM	7,12-Dimethylbenz(a)anthrac	80.000	81.851	-2.3	92	0.01
138	TM	Benzo(b)Fluoranthene	80.000	76.402	4.5	87	0.01
139	TM	Benzo(k)fluoranthene	80.000	76.766	4.0	89	0.00
140	TCM	Benzo(a)pyrene	80.000	79.122	1.1	88	0.00
141	TM	3-Methylcholanthrene	80.000	77.573	3.0	87	0.00
142	TM	Indeno(1,2,3-cd)Pyrene	80.000	77.174	3.5	87	0.00
143	TM	Dibenz(a,h)anthracene	80.000	75.076	6.2	85	0.00
144	TM	Benzo(g,h,i)perylene	80.000	89.999	-12.5	105	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: 3/14/19 8:32

ICAL Tune Summary

Semi Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\5973D\DATA\031419\BR273.D Analytical Method: 8270D

Instrument ID: R-MS-S4

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Results Pass/Fail
51	198	10	80	38.S	24993	PASS
68	69	0	2	1.2	330	PASS
69	198	0	100	44.0	28555	PASS
70	69	0	2	0.0	0	PASS
127	198	10	80	S2.4	34029	PASS
197	198	0	2	0.4	240	PASS
198	198	100	100	100.0	64945	PASS
199	198	5	9	7.6	4919	PASS
275	198	10	60	29.8	19341	PASS
365	198	1	100	6.0	3917	PASS
441	442	0.01	24	16.4	12645	PASS
442	442	100	100	100.0	77181	PASS
443	442	15	24	18.5	14302	PASS

Sample Name	Lab Code	File ID:	Date Analyzes:	Q
BLK	BLK	I:\ACQUDATA\5973D\DATA\031419\BR278.D	3/14/19 13:4S	
2.5 ppm STD	2.5 ppm STD	I:\ACQUDATA\S973D\DATA\031419\BR279.D	3/14/19 14:14	
5.0 ppm STD	S.0 ppm STD	I:\ACQUDATA\5973D\DATA\031419\BR280.D	3/14/19 14:41	
10 ppm STD	10 ppm STD	I:\ACQUDATA\5973D\DATA\031419\BR281.D	3/14/19 15:09	
50 ppm STD	50 ppm STD	I:\ACQUDATA\5973D\DATA\031419\BR282.D	3/14/19 15:37	
80 ppm STD	80 ppm STD	I:\ACQUDATA\5973D\DATA\031419\BR283.D	3/14/19 16:06	
100 ppm STD	100 ppm STD	I:\ACQUDATA\5973D\Data\031419\BR284.D	3/14/19 16:34	
120 ppm STD	120 ppm STD	I:\ACQUDATA\5973D\DATA\031419\BR285.D	3/14/19 17:03	
160 ppm STD	160 ppm STD	I:\ACQUDATA\5973D\DATA\031419\BR286.D	3/14/19 17:32	
ICV	ICV	I:\ACQUDATA\5973D\Data\031419\BR287.D	3/14/19 18:00	

Analysis: 625 KO/8270/625 Analyst: OwBrewin Run Method: 625 KO/ Tune/8270
Date: 3/14/19 Instr. 5973D R-MS-54 Quant Method:
Syringes: LIMS Run#:

Pos.	Sample	Diln.	Stds. ID	File#	OK?	Comments
1	BLK			BL272	—	
2	Tune		194164	73	Y	
3	CCV			74	(N)	
4	CCV 625 ICO			75	+	
5	K/F Low			76	—	
6	" High			77	—	
4	BLK			78	Y	
5	2-5 per SOP		197732	79	Y	
6	5.0		33	80	Y	
7	10		34	81	Y	
8	50		35	82	Y	
9	80		36	83	Y	
10	100		38	84	Y	
11	120		39	85	Y	
12	160		40	86	Y	
13	ICV		197742	87	YQ	

(RC19003.M) (RC19003149.D) (8270031419.M) (8270031419.D)

All samples = _____mL + _____uL Combined IS/Surr.;

Primary :_____ exp: Secondary :_____ exp:
Primary:_____ exp: Secondary :_____ exp:
Reagents:

Runlog GCEXT r2 4/27/17

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR849.D
Acq On : 30 Apr 2019 3:07 pm
Operator : JMisiurewicz
Sample : ICV #2
Misc : Initial Calibration 8270/625
ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 01 09:47:54 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration

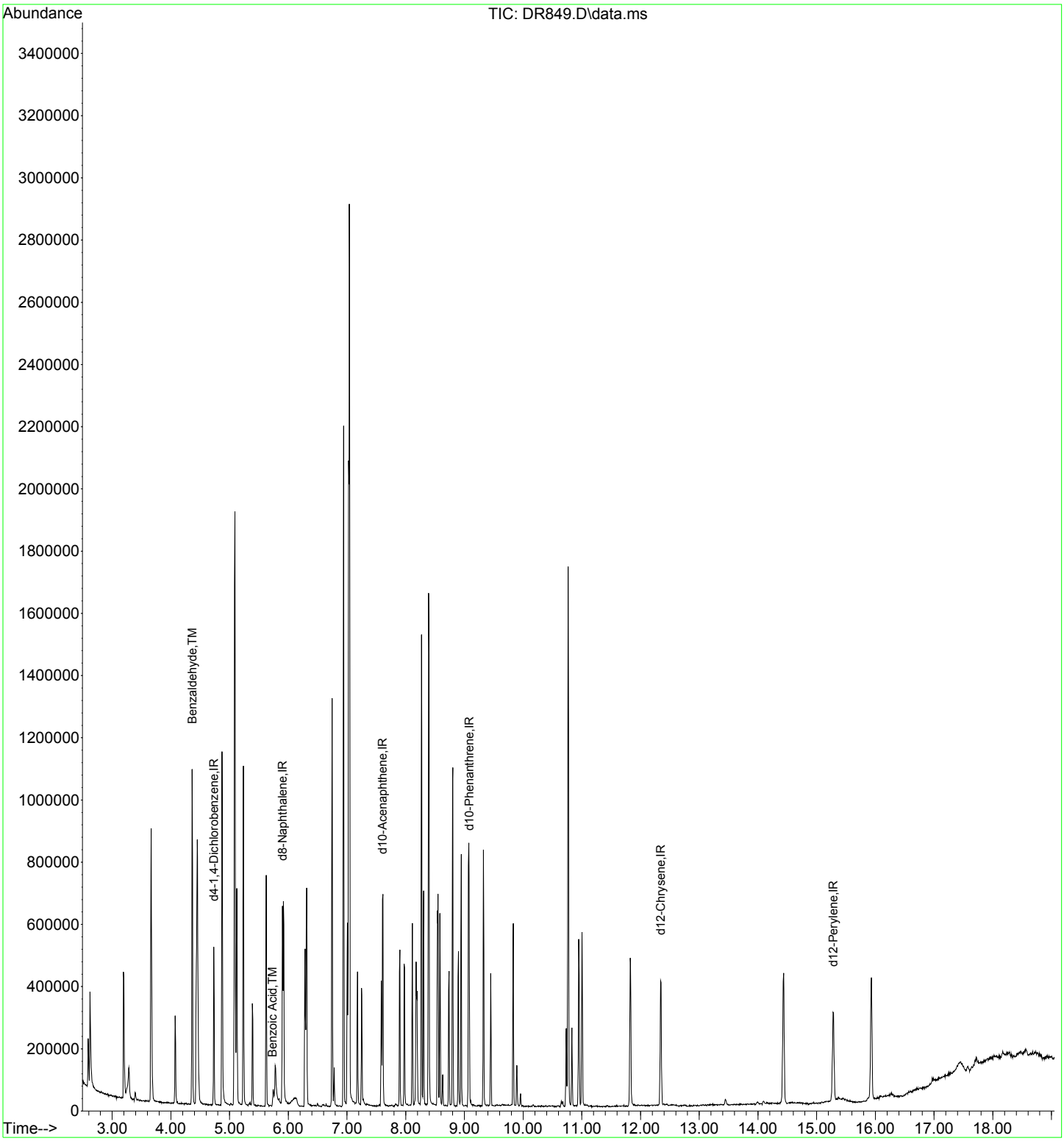
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.732	152	75760	40.00	ppm	0.00
33) d8-Naphthalene	5.901	136	298754	40.00	ppm	0.00
57) d10-Acenaphthene	7.605	164	141156	40.00	ppm	0.00
91) d10-Phenanthrene	9.079	188	204774	40.00	ppm	0.00
117) d12-Chrysene	12.343	240	188234	40.00	ppm	-0.01
135) d12-Perylene	15.280	264	175777	40.00	ppm	-0.01
System Monitoring Compounds						
7) SURR1,2-FLUOROPHENOL	0.000	112	0d	0.00	ppm	
Spiked Amount 100.000	Range 10 - 70		Recovery =	0.00%#		
12) SURR2,PHENOL-D6	0.000	99	0d	0.00	ppm	
Spiked Amount 100.000	Range 10 - 107		Recovery =	0.00%#		
34) SURR4,NITROBENZENE-D5	0.000	82	0d	0.00	ppm	
Spiked Amount 50.000	Range 31 - 110		Recovery =	0.00%#		
63) SURR5,2-FLUOROBIPHENYL	0.000	172	0d	0.00	ppm	
Spiked Amount 50.000	Range 31 - 118		Recovery =	0.00%#		
88) SURR3,2,4,6-TRIBROMOPH...	0.000	330	0d	0.00	ppm	
Spiked Amount 100.000	Range 35 - 141		Recovery =	0.00%#		
124) SURR6,TERPHENYL-D14	0.000	244	0d	0.00	ppm	
Spiked Amount 50.000	Range 10 - 165		Recovery =	0.00%#		
Target Compounds						Qvalue
10) Benzaldehyde	4.363	106	214050	110.451	ppm	99
41) Benzoic Acid	5.730	105	9800m	22.984	ppm	

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR849.D
Acq On : 30 Apr 2019 3:07 pm
Operator : JMisiurewicz
Sample : ICV #2
Misc : Initial Calibration 8270/625
ALS Vial : 15 Sample Multiplier: 1

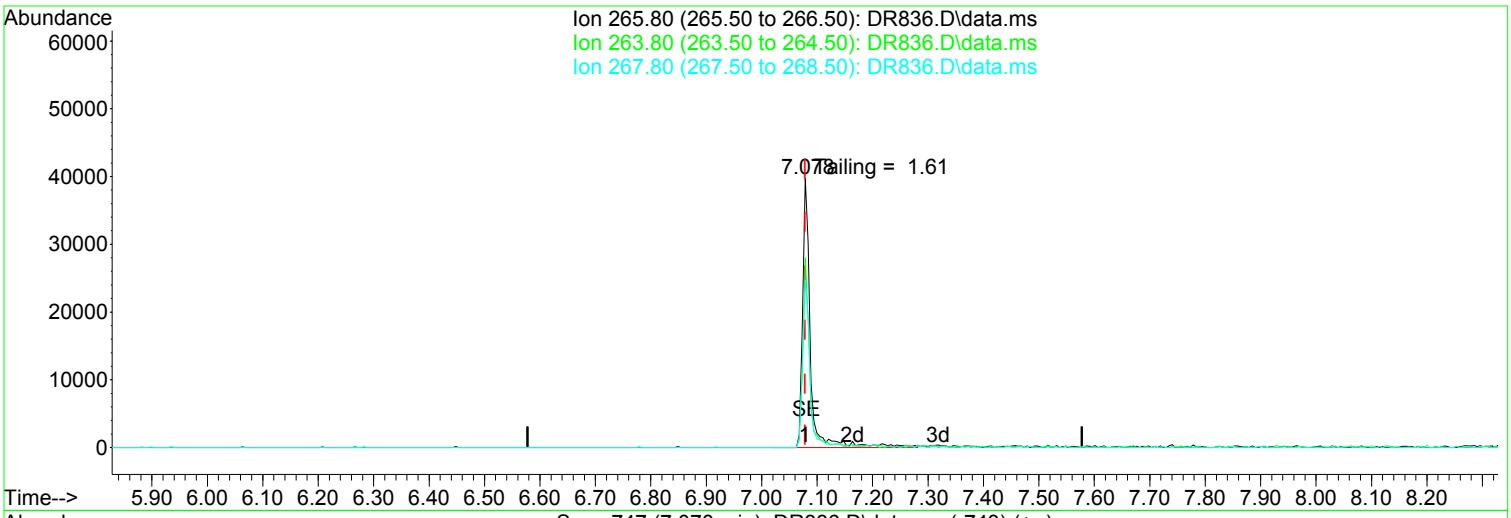
Quant Time: May 01 09:47:54 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration

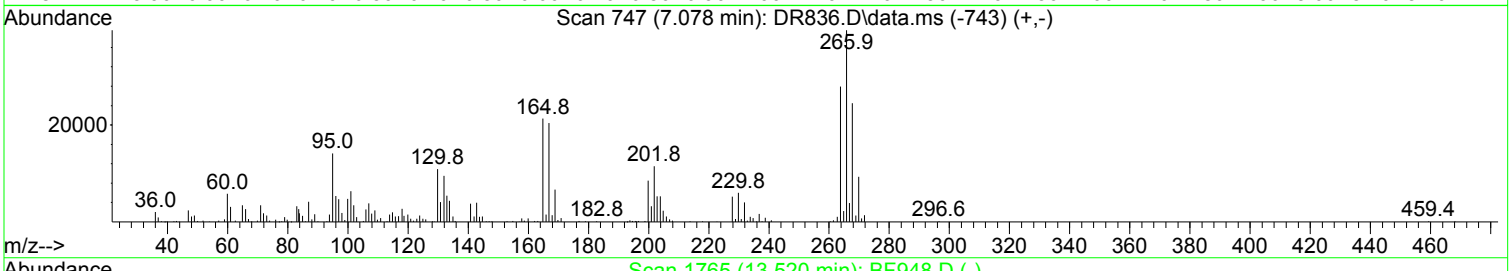


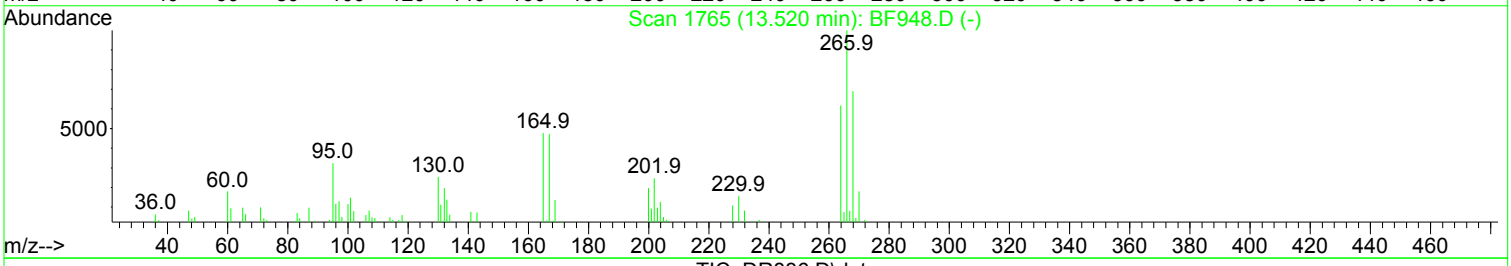
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR836.D
Acq On : 30 Apr 2019 8:01 am
Operator : JMisiurewicz
Sample : TUNE
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 01 08:04:12 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\TUNED.M
Quant Title : TUNE CHECK
QLast Update : Wed May 01 08:03:48 2019
Response via : Initial Calibration







TIC: DR836.D\data.ms

(5) Pentachlorophenol (TCM)

7.078min (0.000) 50.00 ppm

response 36430

Ion	Exp%	Act%
265.80	100.00	100.00
263.80	63.50	70.63
267.80	64.20	61.87
0.00	0.00	0.00

Manual Integration:

After

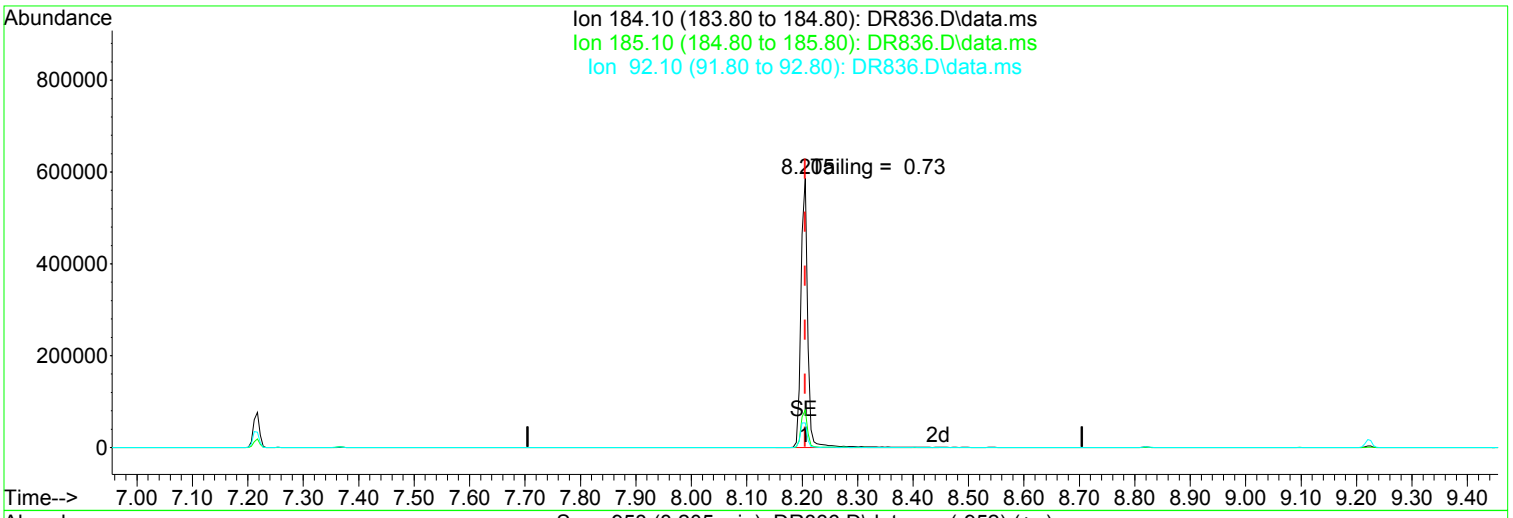
Other - Tailing

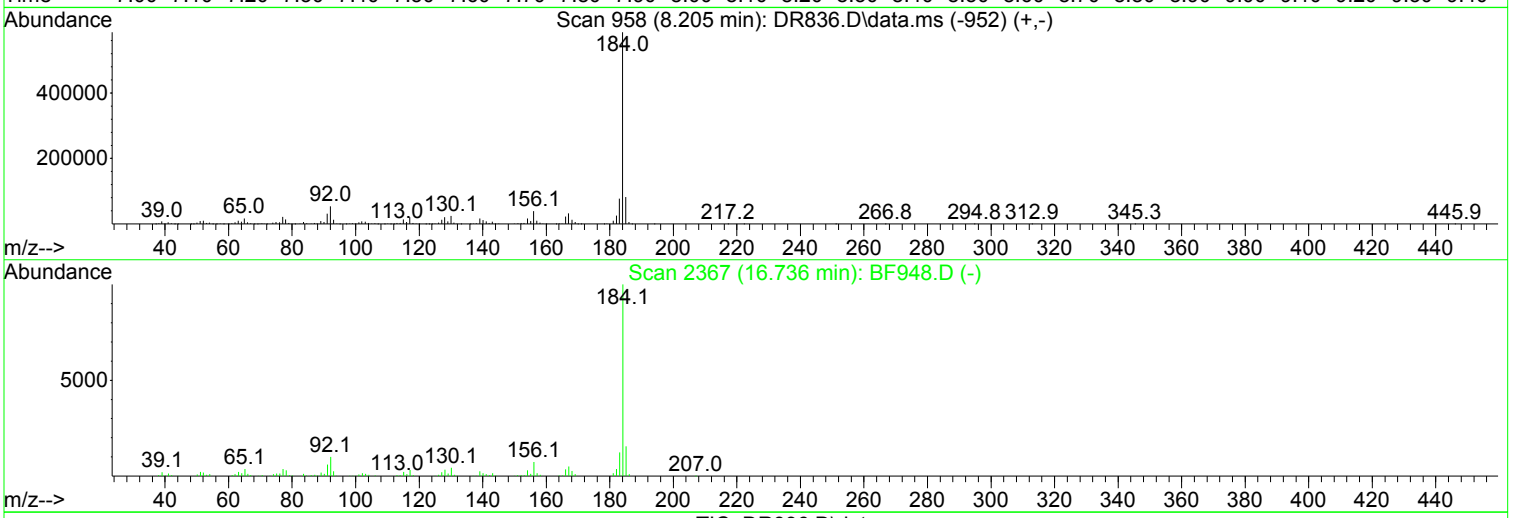
05/01/19

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR836.D
Acq On : 30 Apr 2019 8:01 am
Operator : JMisiurewicz
Sample : TUNE
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 01 08:04:12 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\TUNED.M
Quant Title : TUNE CHECK
QLast Update : Wed May 01 08:03:48 2019
Response via : Initial Calibration





TIC: DR836.D\data.ms

(8) Benzidine (T)

8.205min (0.000) 50.00 ppm

response 490286

Ion	Exp%	Act%
184.10	100.00	100.00
185.10	14.80	13.97
92.10	10.10	9.18
0.00	0.00	0.00

Manual Integration:

After

Other - Tailing

05/01/19

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR836.D
Acq On : 30 Apr 2019 8:01 am
Operator : JMisiurewicz
Sample : TUNE
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 01 08:04:12 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\TUNED.M
Quant Title : TUNE CHECK
QLast Update : Wed May 01 08:03:48 2019
Response via : Initial Calibration

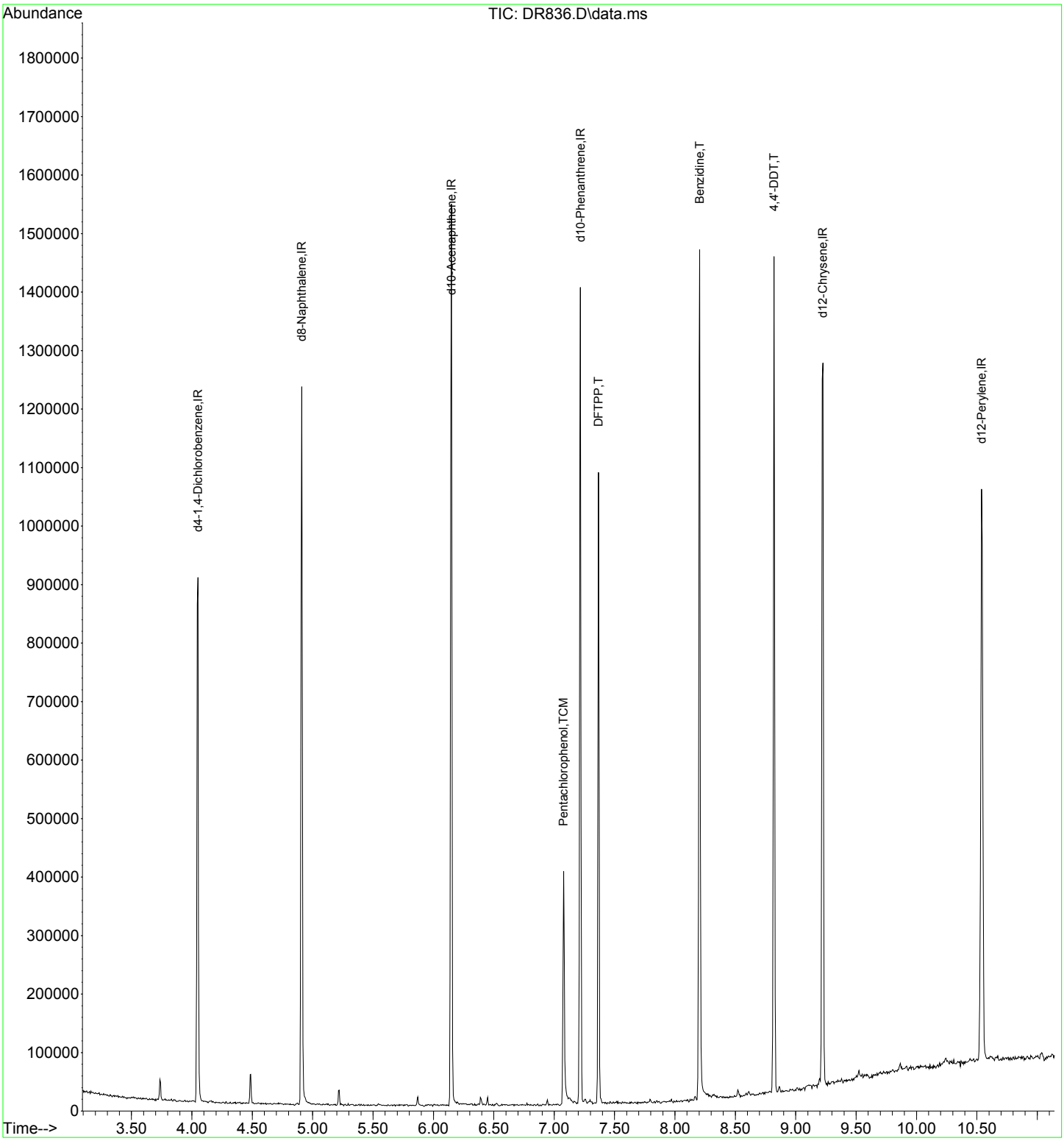
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) d4-1,4-Dichlorobenzene	4.050	152	127514	40.00	ppm		0.00
2) d8-Naphthalene	4.910	136	472511	40.00	ppm		0.00
3) d10-Acenaphthene	6.149	164	249171	40.00	ppm		0.00
4) d10-Phenanthrene	7.217	188	397699	40.00	ppm		0.00
7) d12-Chrysene	9.225	240	361333	40.00	ppm		0.00
12) d12-Perylene	10.539	264	366094	40.00	ppm		0.00
Target Compounds							Qvalue
5) Pentachlorophenol	7.078	266	36430	50.000	ppm		94
6) DFTPP	7.367	198	77564	50.000	ppm	#	60
8) Benzidine	8.205	184	490286	50.000	ppm		98
9) 4,4'-DDE	7.367	246	1344	N.D.			
10) 4,4'-DDD	8.611	235	1155	N.D.			
11) 4,4'-DDT	8.819	235	194425	50.000	ppm		92

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

1st JM 05/01/19
2nd BA 05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR836.D
Acq On : 30 Apr 2019 8:01 am
Operator : JMisiurewicz
Sample : TUNE
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 01 08:04:12 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\TUNED.M
Quant Title : TUNE CHECK
QLast Update : Wed May 01 08:03:48 2019
Response via : Initial Calibration

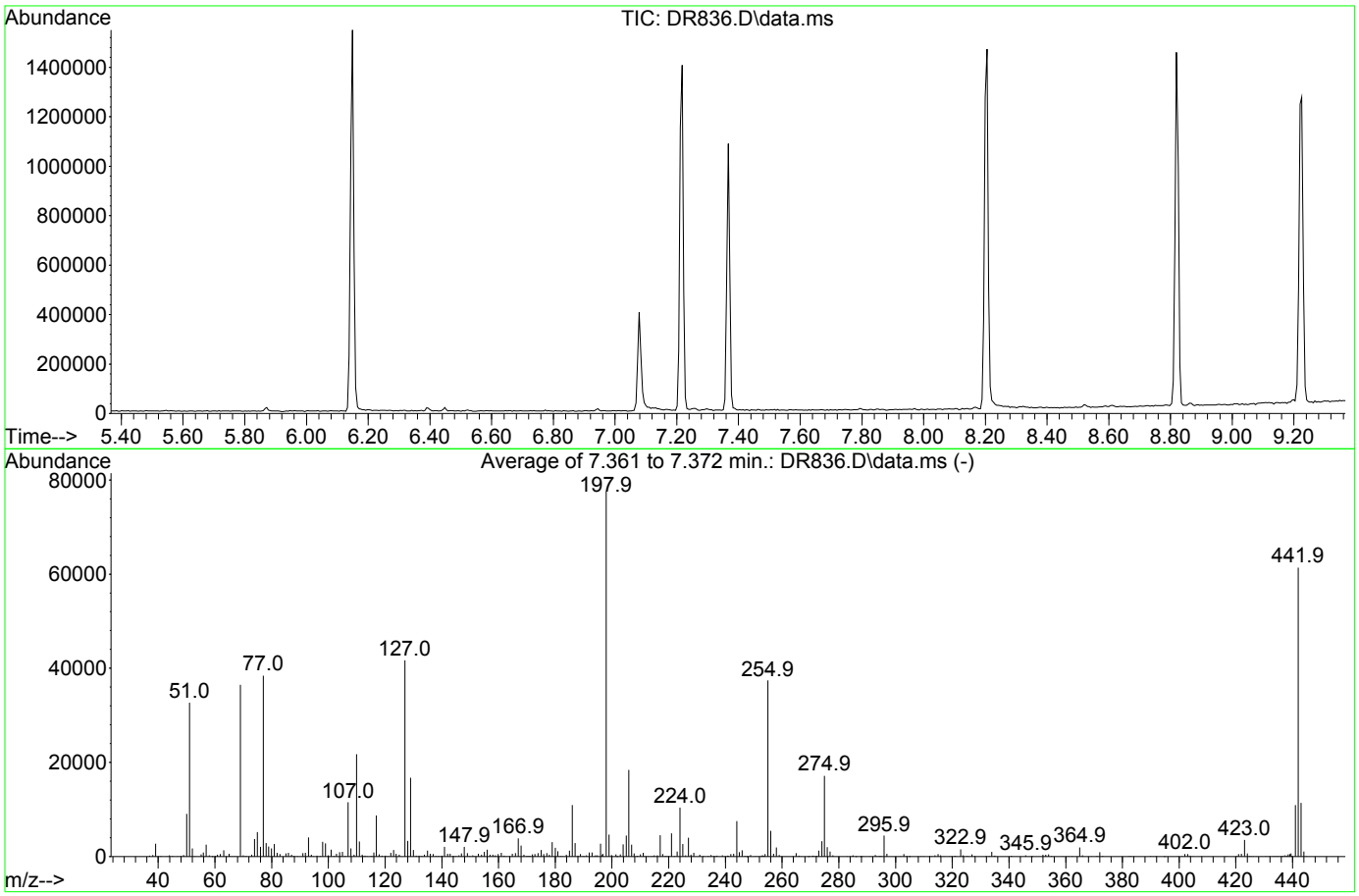


1st DM 05/01/19
2nd BA 05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR836.D
Acq On : 30 Apr 2019 8:01 am
Operator : JMisiurewicz
Sample : TUNE
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: RTEINT.P

Method : I:\ACQUDATA\5973A\METHODS\TUNCHECK.M
Title : TUNE CHECK
Last Update : Wed Oct 03 16:33:08 2012



AutoFind: Scans 800, 801, 802; Background Corrected with Scan 793

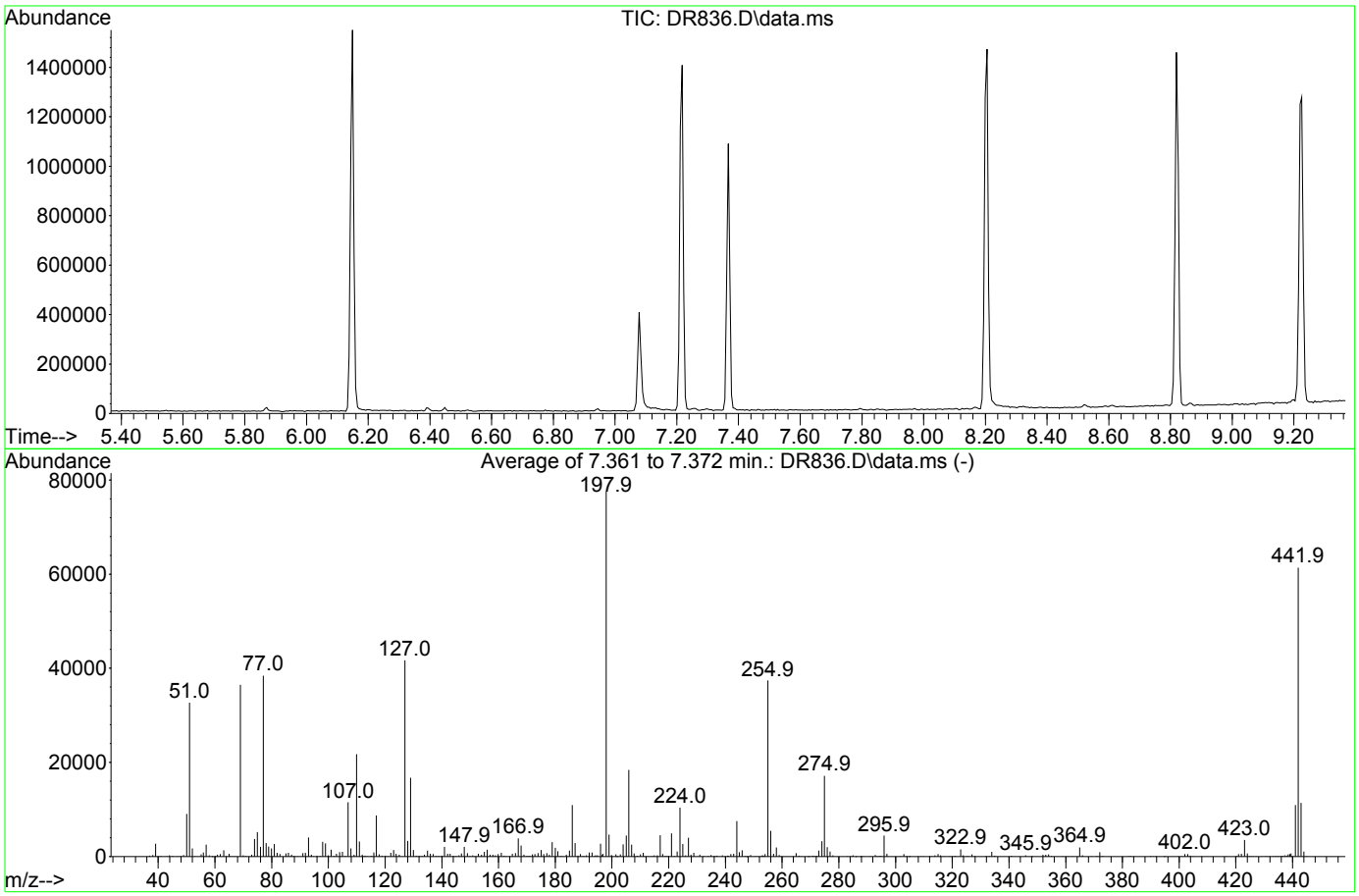
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	42.1	32694	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	47.0	36473	PASS
70	69	0.00	2	0.8	285	PASS
127	198	40	60	53.7	41683	PASS
197	198	0.00	1	0.8	623	PASS
198	198	100	100	100.0	77571	PASS
199	198	5	9	6.1	4703	PASS
275	198	10	30	22.1	17145	PASS
365	198	1	500	2.5	1971	PASS
441	443	0.01	100	95.6	10928	PASS
442	198	50	500	79.1	61379	PASS
443	442	17	23	18.6	11428	PASS

1st DM 05/01/19
2nd BA 05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR836.D
Acq On : 30 Apr 2019 8:01 am
Operator : JMisiurewicz
Sample : TUNE
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: RTEINT.P

Method : I:\ACQUDATA\5973A\METHODS\TUNED.M
Title : TUNE CHECK
Last Update : Wed May 01 08:03:48 2019



AutoFind: Scans 800, 801, 802; Background Corrected with Scan 793

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	42.1	32694	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	47.0	36473	PASS
70	69	0.00	2	0.8	285	PASS
127	198	10	80	53.7	41683	PASS
197	198	0.00	2	0.8	623	PASS
198	198	100	100	100.0	77571	PASS
199	198	5	9	6.1	4703	PASS
275	198	10	60	22.1	17145	PASS
365	198	1	500	2.5	1971	PASS
441	442	0.01	24	17.8	10928	PASS
442	442	100	100	100.0	61379	PASS
443	442	15	24	18.6	11428	PASS

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR838.D
Acq On : 30 Apr 2019 9:12 am
Operator : JMisiurewicz
Sample : BLK
Misc : Initial Calibration 8270/625
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 01 11:05:54 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.736	152	108718	40.00	ppm	0.00
33) d8-Naphthalene	5.900	136	409285	40.00	ppm	0.00
57) d10-Acenaphthene	7.609	164	209821	40.00	ppm	0.00
91) d10-Phenanthrene	9.083	188	331611	40.00	ppm	0.00
117) d12-Chrysene	12.352	240	296997	40.00	ppm	0.00
135) d12-Perylene	15.295	264	302062	40.00	ppm	0.00
System Monitoring Compounds						
7) SURR1,2-FLUOROPHENOL	0.000	112	0	0.00	ppm	
Spiked Amount 100.000	Range 10 - 70		Recovery =	0.00%#		
12) SURR2,PHENOL-D6	0.000	99	0	0.00	ppm	
Spiked Amount 100.000	Range 10 - 107		Recovery =	0.00%#		
34) SURR4,NITROBENZENE-D5	5.238	82	161	0.04	ppm	0.00
Spiked Amount 50.000	Range 31 - 110		Recovery =	0.08%#		
63) SURR5,2-FLUOROBIPHENYL	0.000	172	0	0.00	ppm	
Spiked Amount 50.000	Range 31 - 118		Recovery =	0.00%#		
88) SURR3,2,4,6-TRIBROMOPH...	0.000	330	0	0.00	ppm	
Spiked Amount 100.000	Range 35 - 141		Recovery =	0.00%#		
124) SURR6,TERPHENYL-D14	10.776	244	163	0.02	ppm	0.00
Spiked Amount 50.000	Range 10 - 165		Recovery =	0.04%#		

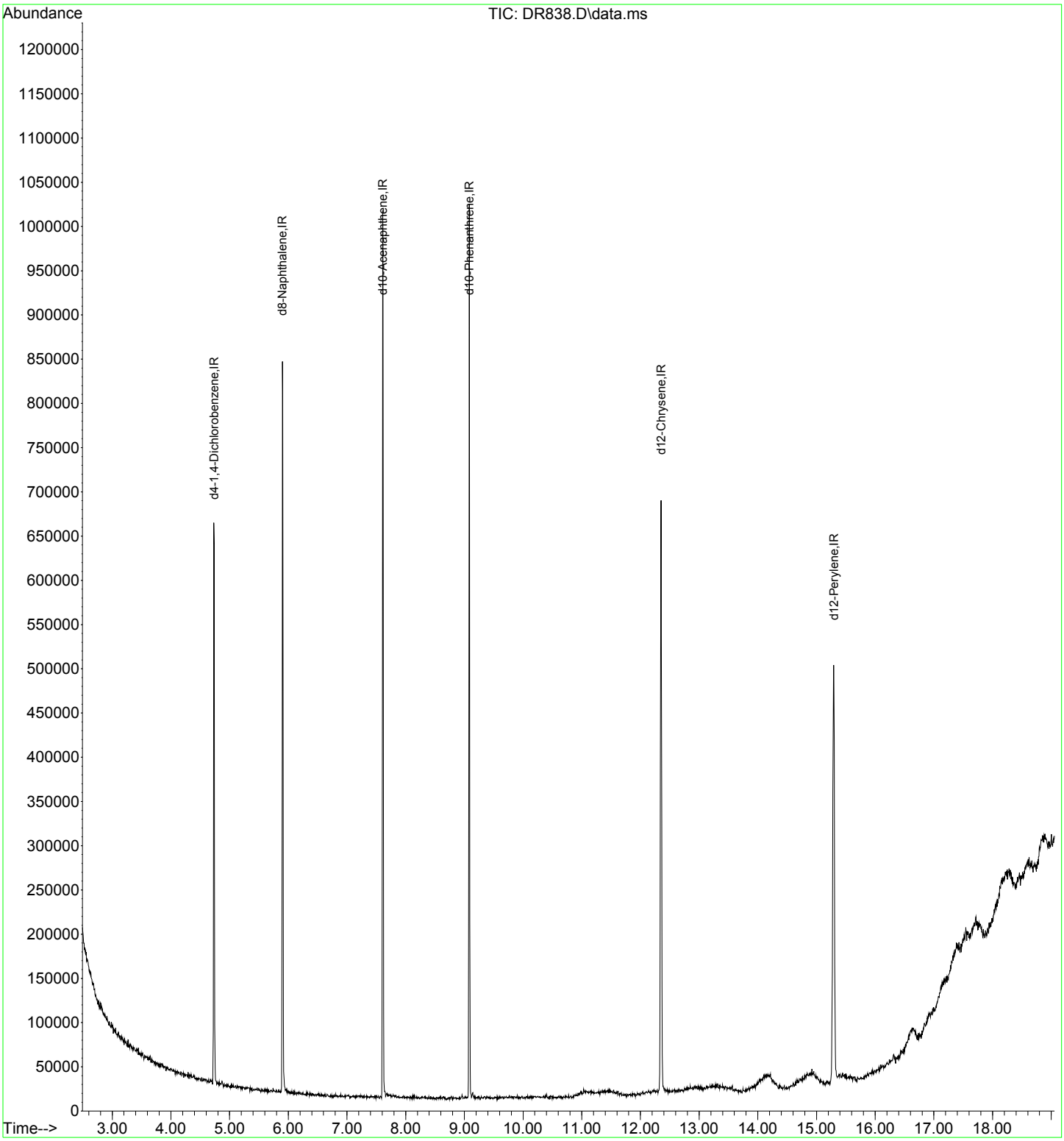
Target Compounds Qvalue

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

1st DM 05/01/19
2nd BA 05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR838.D
Acq On : 30 Apr 2019 9:12 am
Operator : JMisiurewicz
Sample : BLK
Misc : Initial Calibration 8270/625
ALS Vial : 4 Sample Multiplier: 1

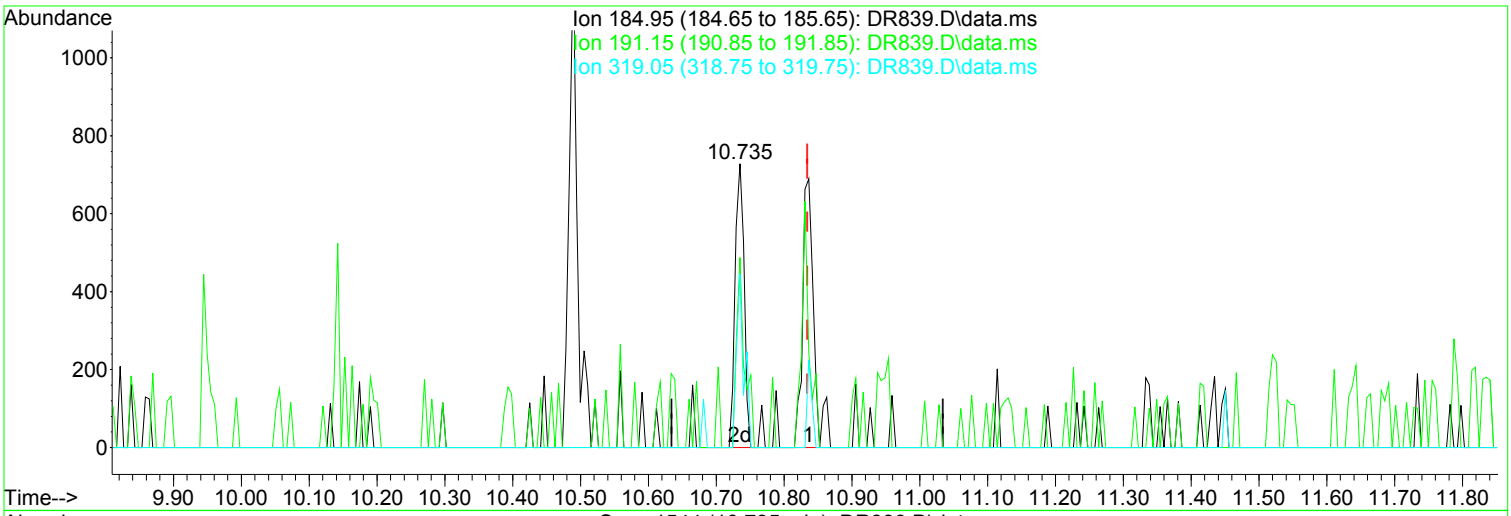
Quant Time: May 01 11:05:54 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration

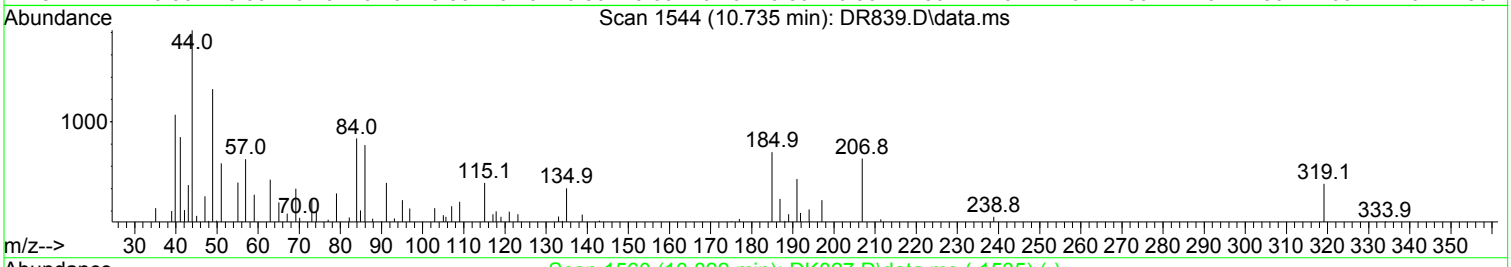


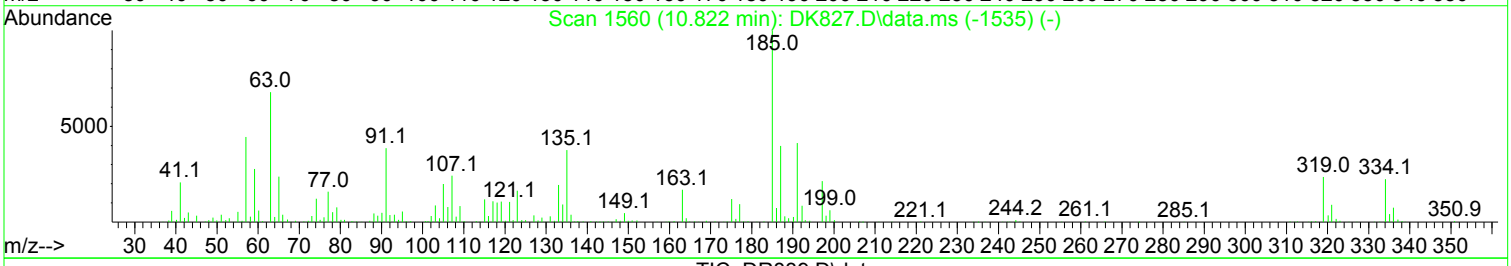
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR839.D
Acq On : 30 Apr 2019 9:40 am
Operator : JMisiurewicz
Sample : 1 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 01 08:53:32 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration







TIC: DR839.D\data.ms

(125) Aramite (TM)

10.735min (-0.100) 1.05 ppm m

response 1552

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	41.00	67.03
319.05	16.80	61.13#
0.00	0.00	0.00

Manual Integration:

After

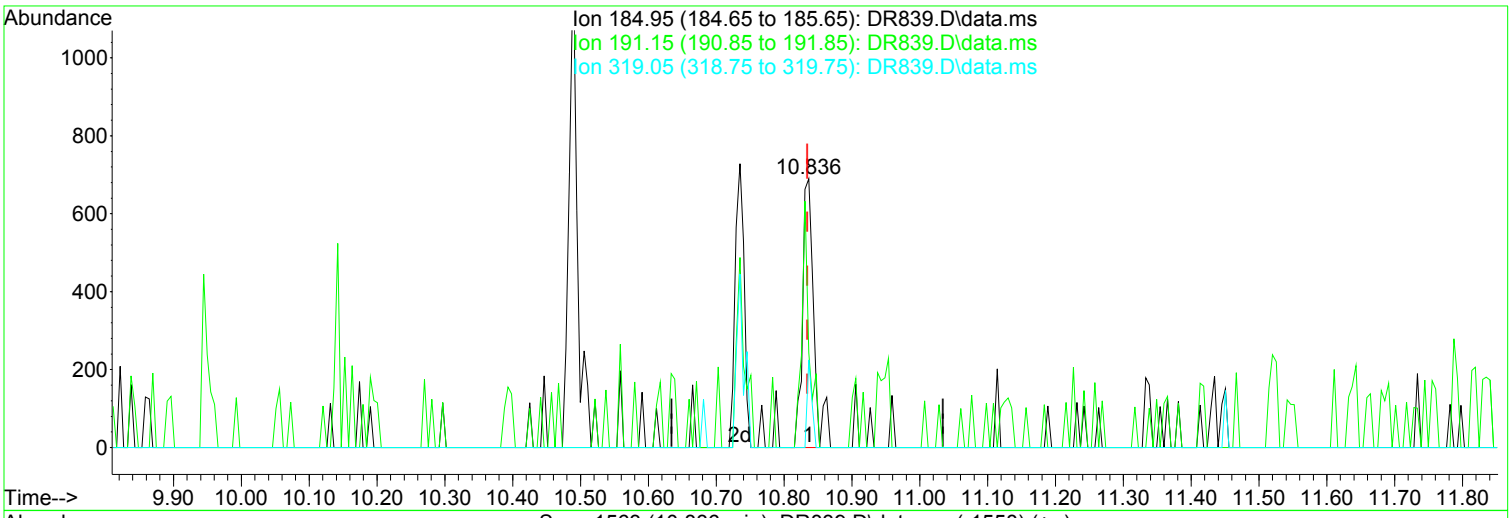
Split Peak.

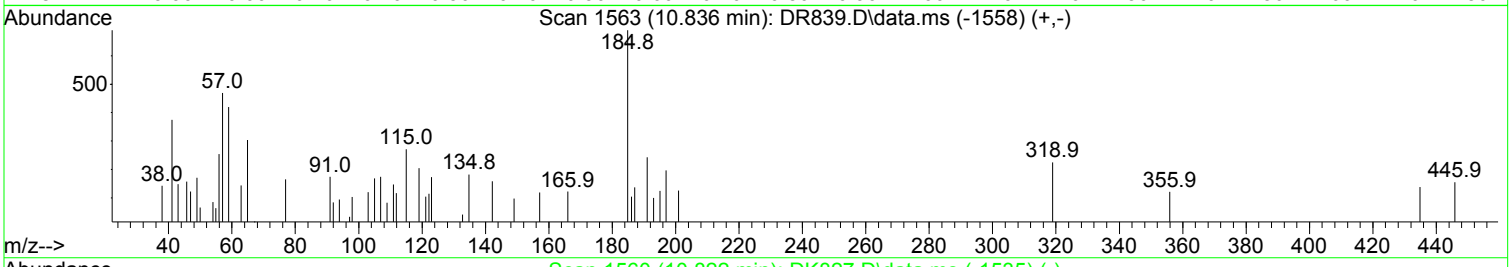
05/01/19

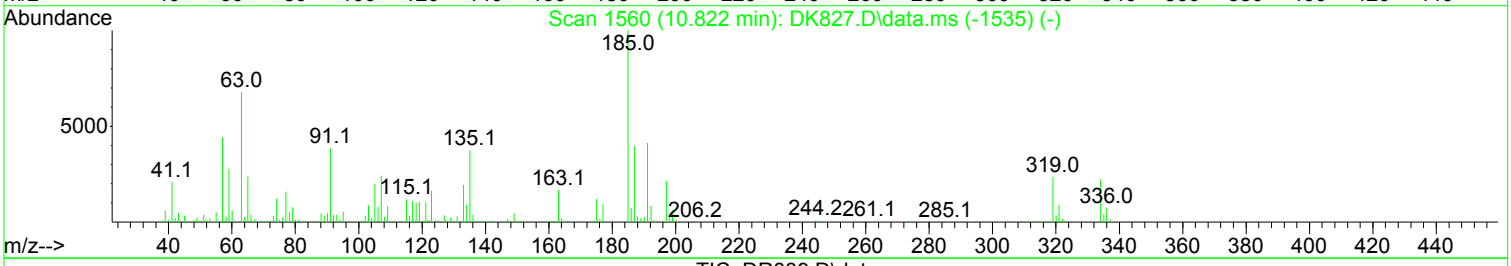
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR839.D
Acq On : 30 Apr 2019 9:40 am
Operator : JMisiurewicz
Sample : 1 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 01 08:53:32 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration







TIC: DR839.D\data.ms

(125) Aramite (TM)

10.836min (+ 0.001) 0.49 ppm

response 724

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	41.00	35.22
319.05	16.80	24.64
0.00	0.00	0.00

Manual Integration:

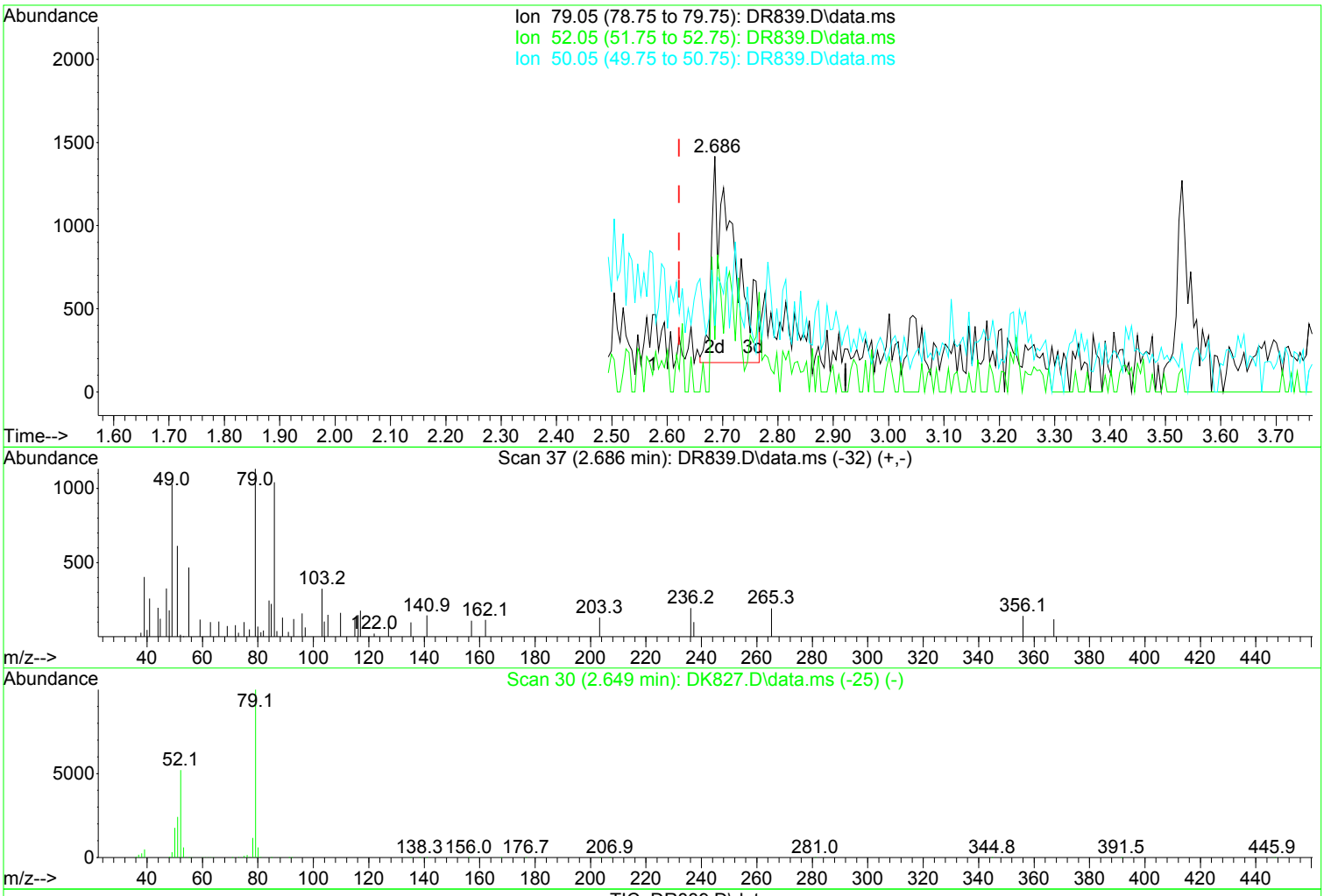
Before

05/01/19

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR839.D
Acq On : 30 Apr 2019 9:40 am
Operator : JMisiurewicz
Sample : 1 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 01 08:53:32 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



TIC: DR839.D\data.ms

(2) Pyridine (TM)

2.686min (+ 0.064) 0.83 ppm m

response 3564

Ion	Exp%	Act%
79.05	100.00	100.00
52.05	60.40	22.25#
50.05	24.10	28.18
0.00	0.00	0.00

Manual Integration:

After

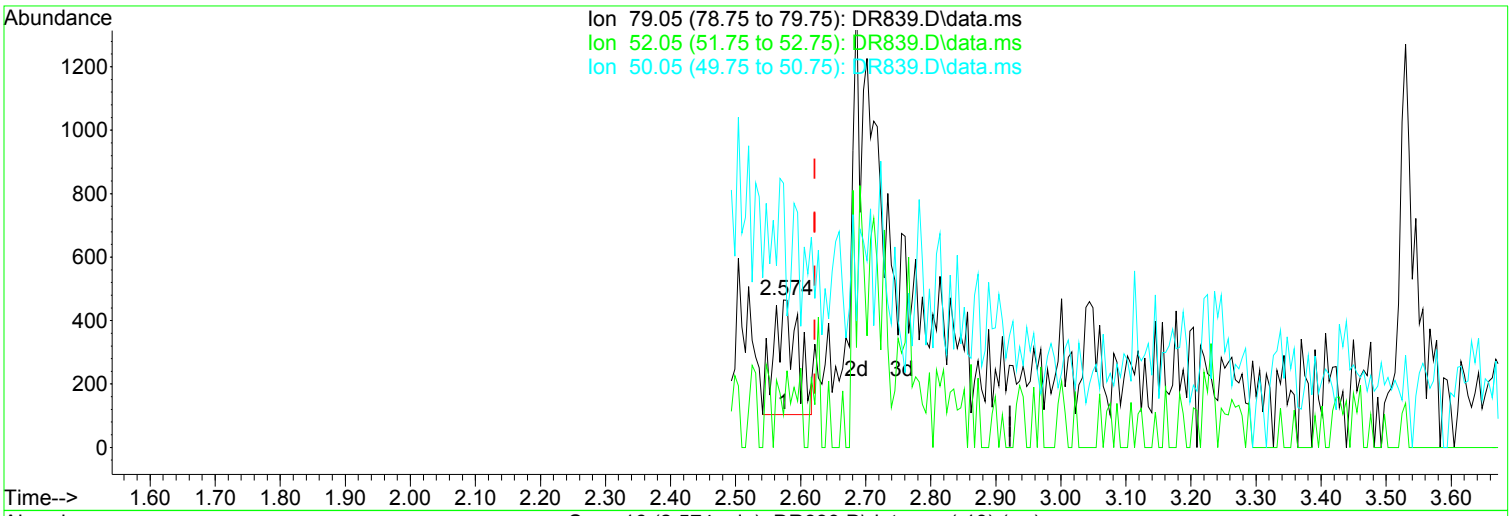
Peak not found.

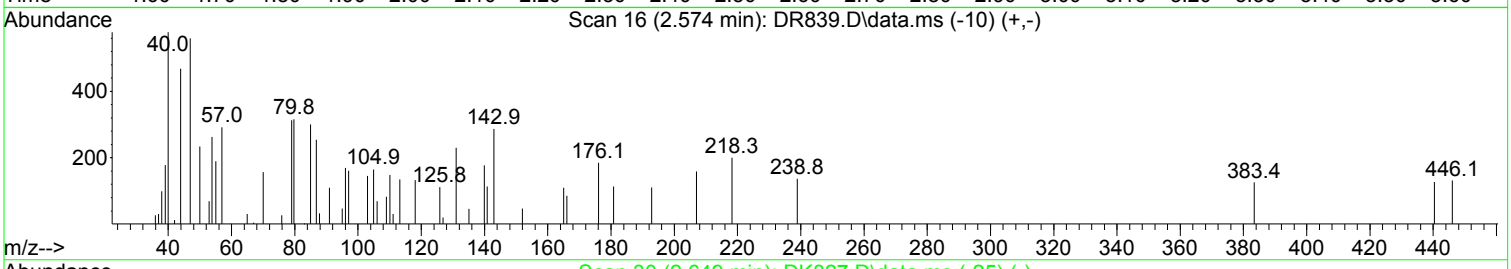
05/01/19

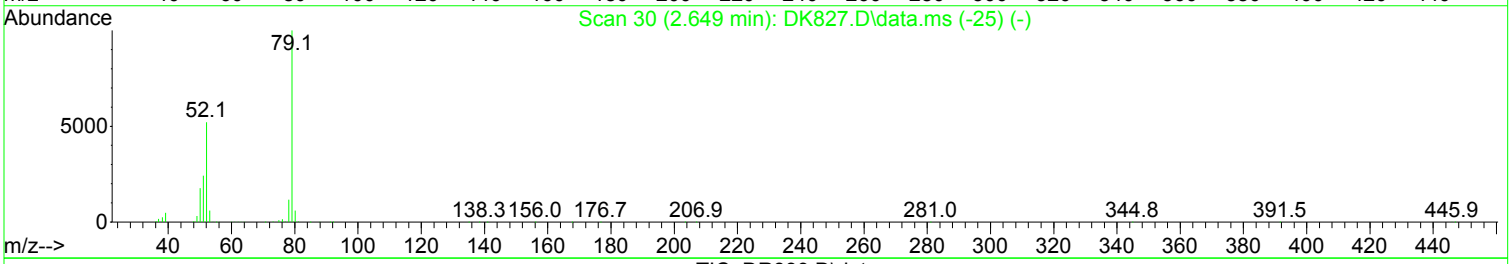
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR839.D
Acq On : 30 Apr 2019 9:40 am
Operator : JMisiurewicz
Sample : 1 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 01 08:53:32 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration







TIC: DR839.D\data.ms

(2) Pyridine (TM)

2.574min (-0.048) 0.22 ppm

response 921

Ion	Exp%	Act%
79.05	100.00	100.00
52.05	60.40	0.00#
50.05	24.10	37.28
0.00	0.00	0.00

Manual Integration:

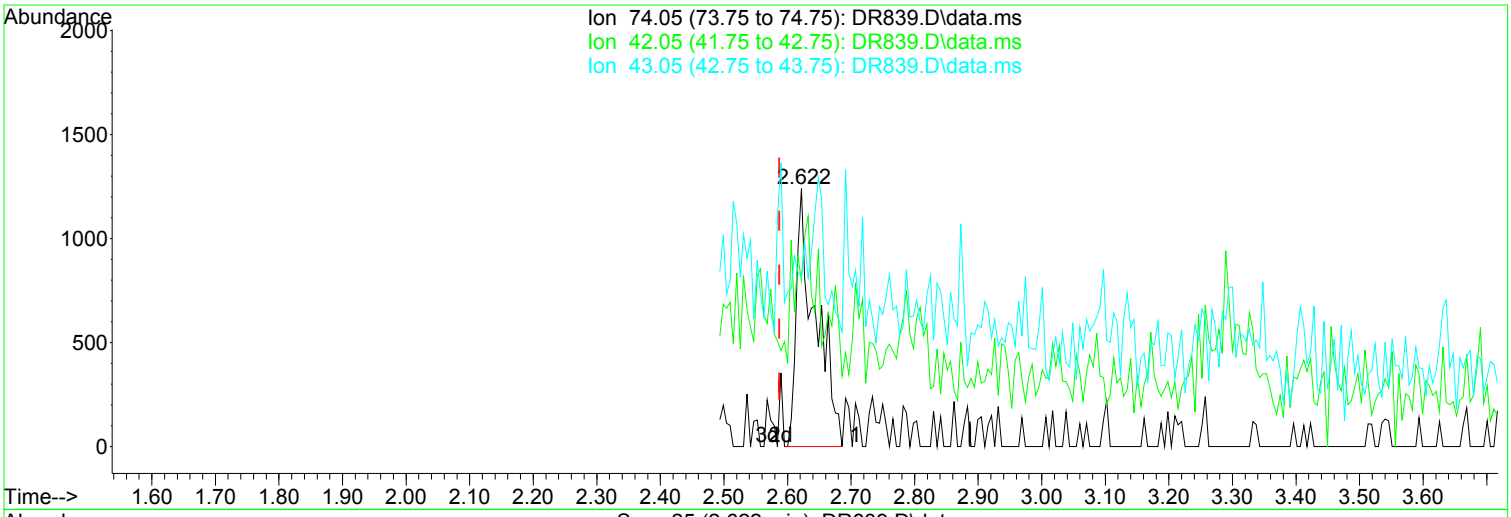
Before

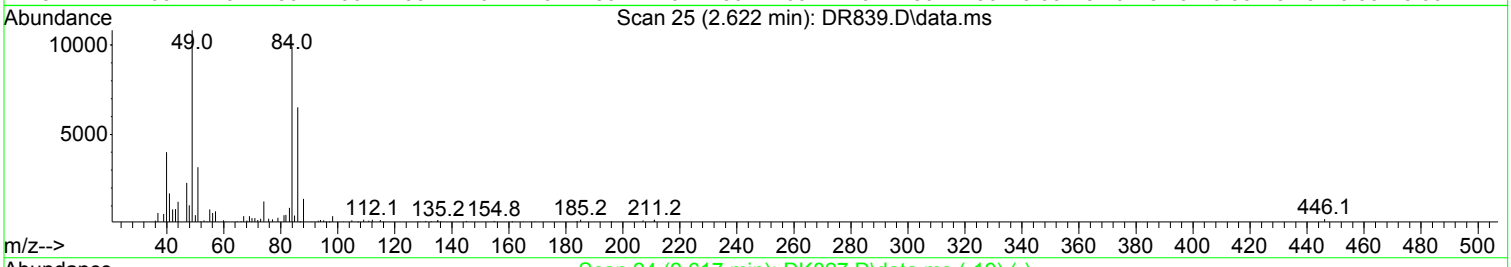
05/01/19

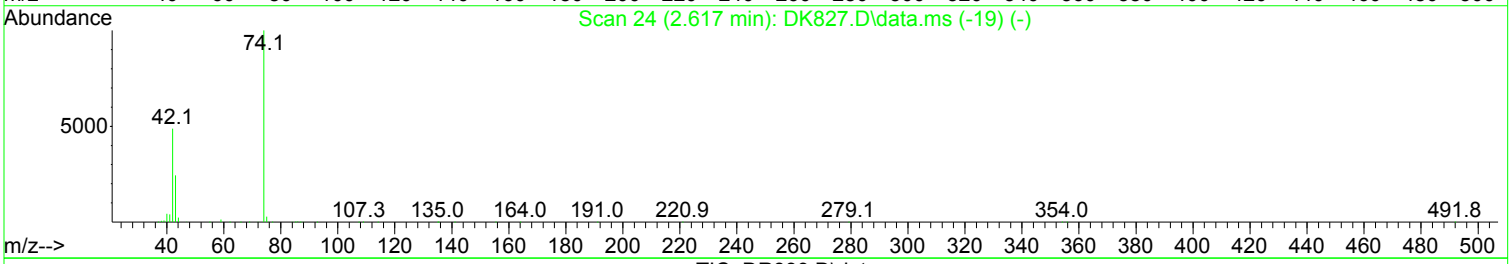
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR839.D
Acq On : 30 Apr 2019 9:40 am
Operator : JMisiurewicz
Sample : 1 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 01 08:53:32 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration







TIC: DR839.D\data.ms

(3) N-Nitrosodimethylamine (TM)

2.622min (+ 0.034) 1.01 ppm m

response 2622

Ion	Exp%	Act%
74.05	100.00	100.00
42.05	71.90	64.33
43.05	28.80	65.62#
0.00	0.00	0.00

Manual Integration:

After

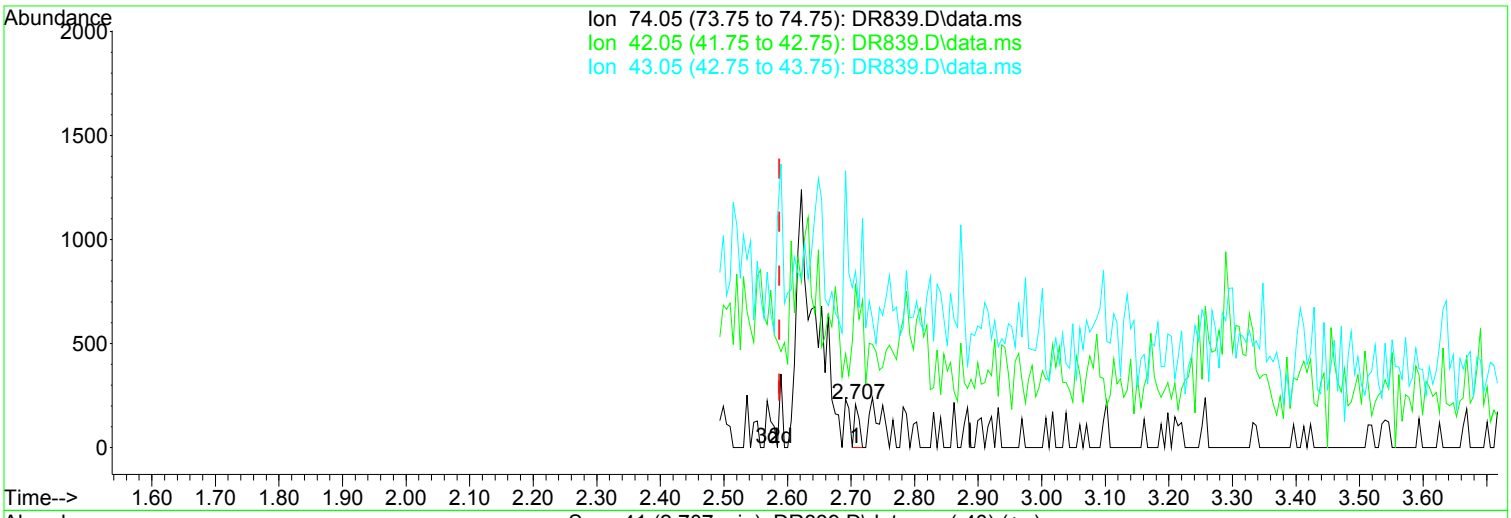
Peak not found.

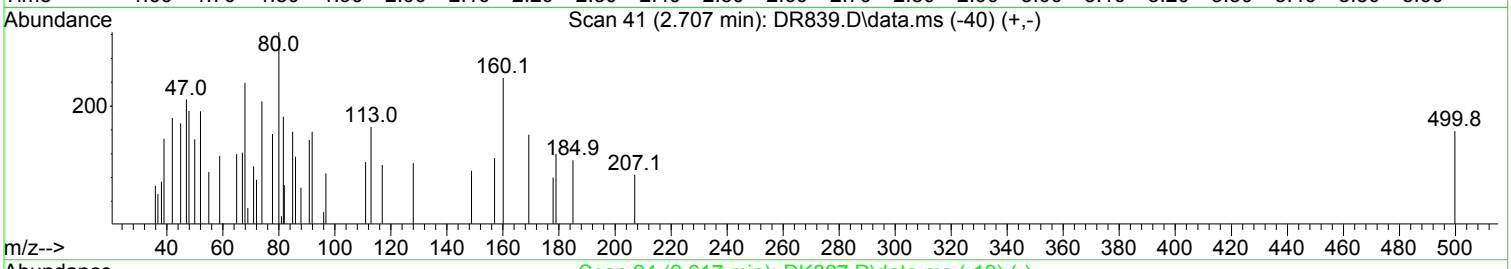
05/01/19

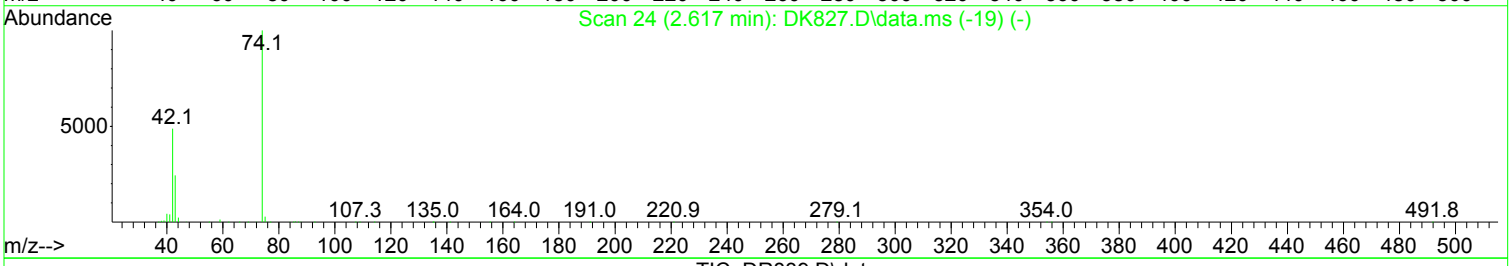
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR839.D
Acq On : 30 Apr 2019 9:40 am
Operator : JMisiurewicz
Sample : 1 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 01 08:53:32 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration







TIC: DR839.D\data.ms

(3) N-Nitrosodimethylamine (TM)

2.707min (+ 0.120) 0.04 ppm

response 111

Ion	Exp%	Act%
74.05	100.00	100.00
42.05	71.90	86.78
43.05	28.80	0.00
0.00	0.00	0.00

Manual Integration:

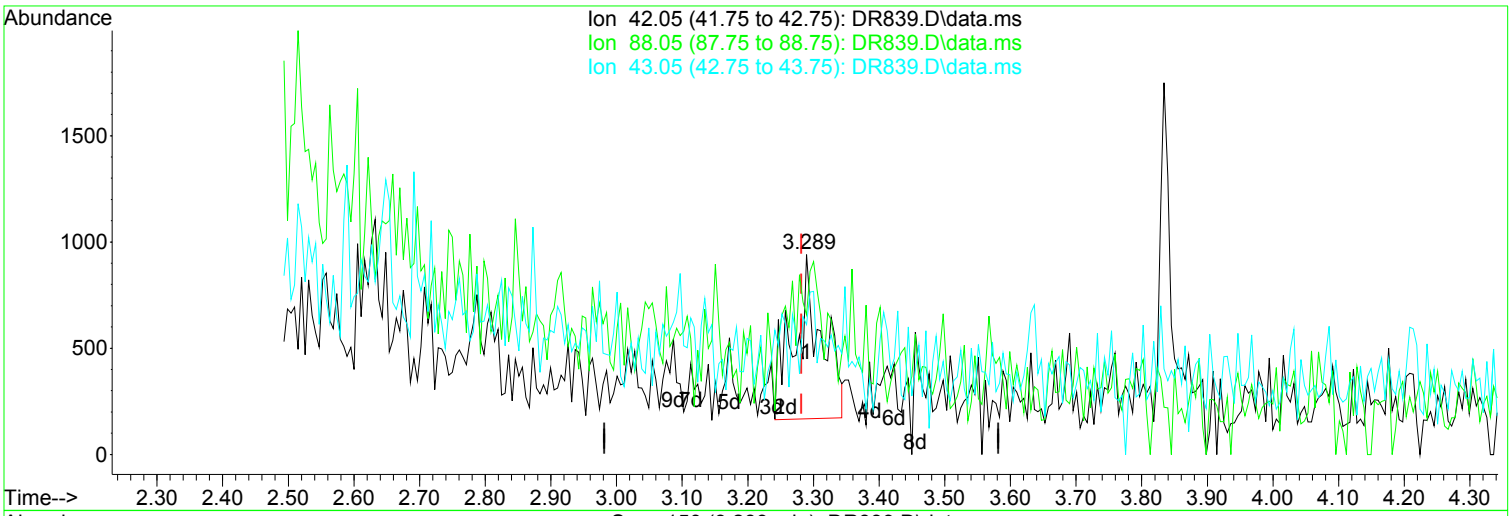
Before

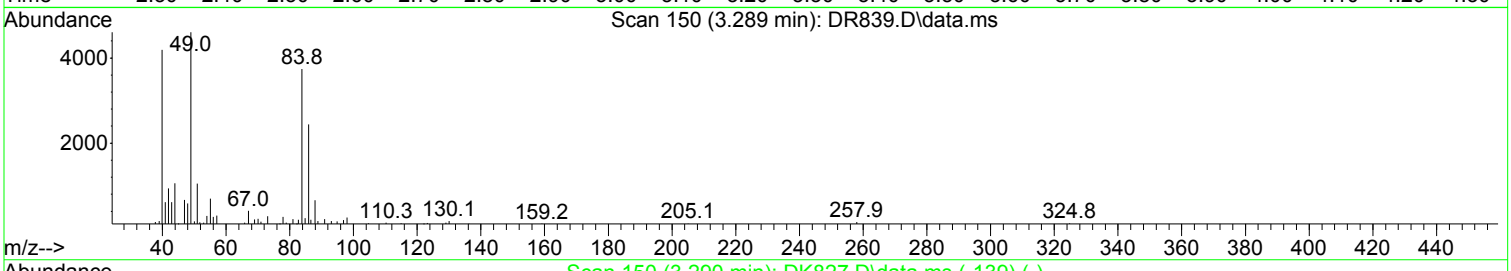
05/01/19

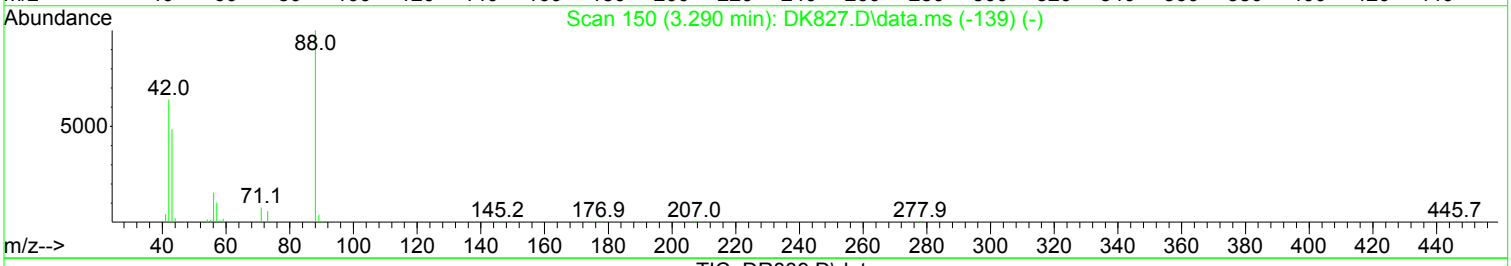
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR839.D
Acq On : 30 Apr 2019 9:40 am
Operator : JMisiurewicz
Sample : 1 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 01 08:53:32 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration







TIC: DR839.D\data.ms

(5) N-Nitrosomethylamine (TM)

3.289min (+ 0.008) 1.24 ppm m

response 2237

Ion	Exp%	Act%
42.05	100.00	100.00
88.05	115.80	69.93#
43.05	73.90	64.93
0.00	0.00	0.00

Manual Integration:

After

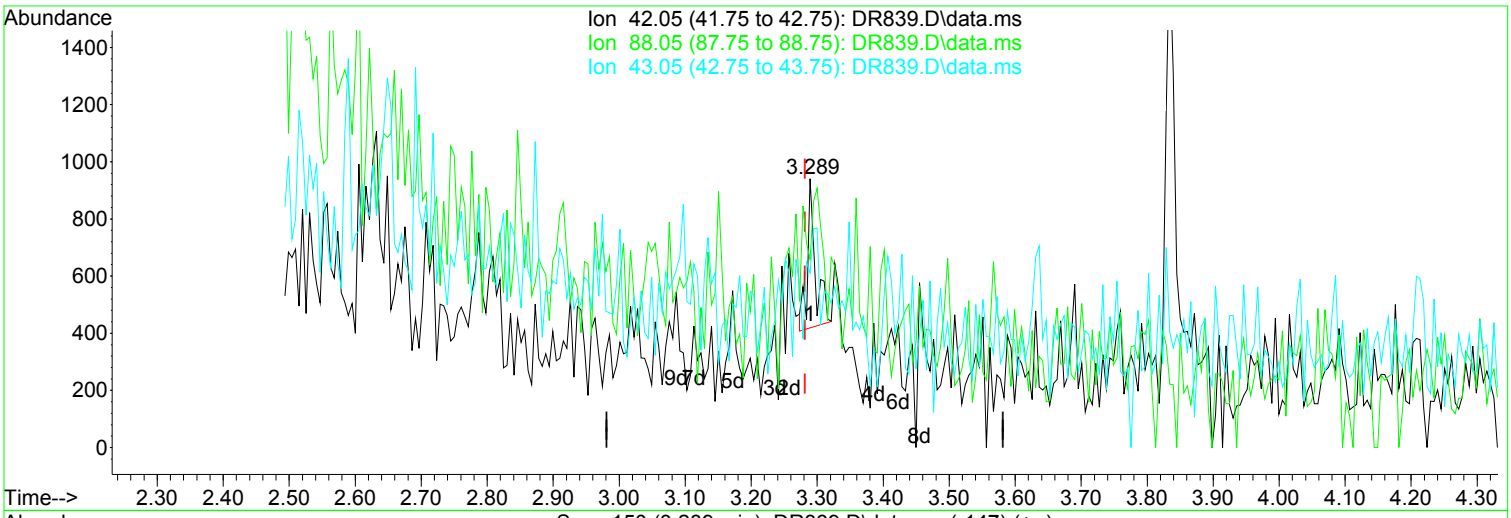
Poor integration.

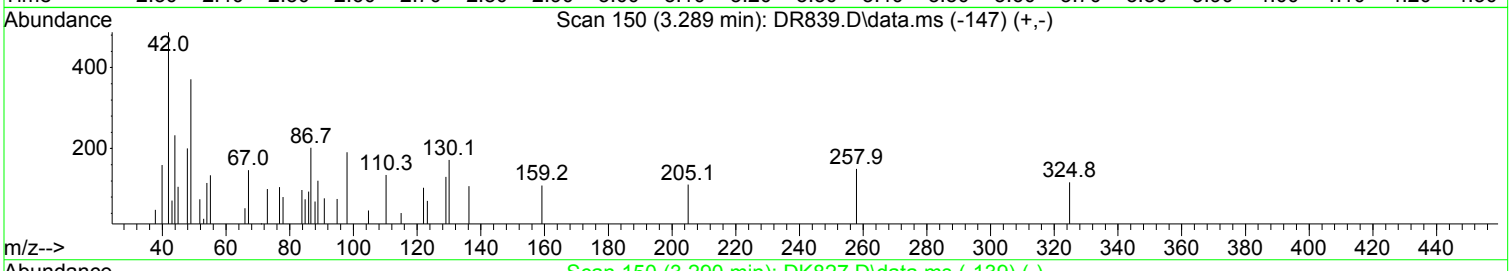
05/01/19

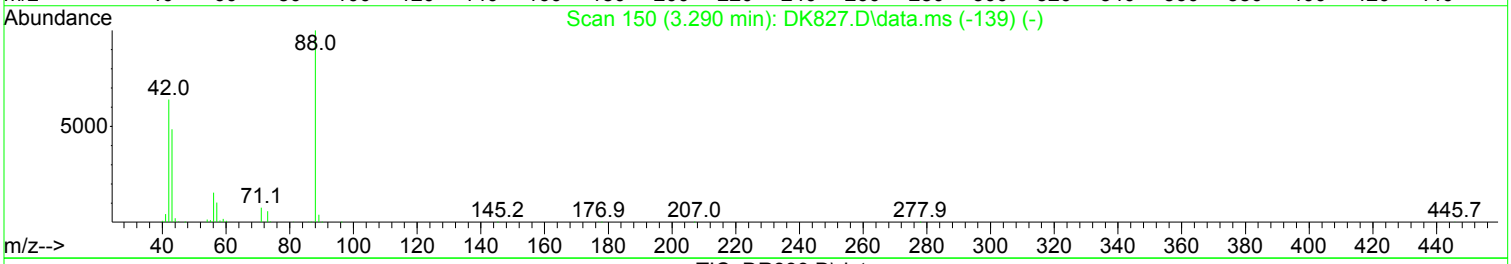
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR839.D
Acq On : 30 Apr 2019 9:40 am
Operator : JMisiurewicz
Sample : 1 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 01 08:53:32 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration







TIC: DR839.D\data.ms

(5) N-Nitrosomethylamine (TM)

3.289min (+ 0.008) 0.24 ppm

response 435

Ion	Exp%	Act%
42.05	100.00	100.00
88.05	115.80	14.27#
43.05	73.90	14.89#
0.00	0.00	0.00

Manual Integration:

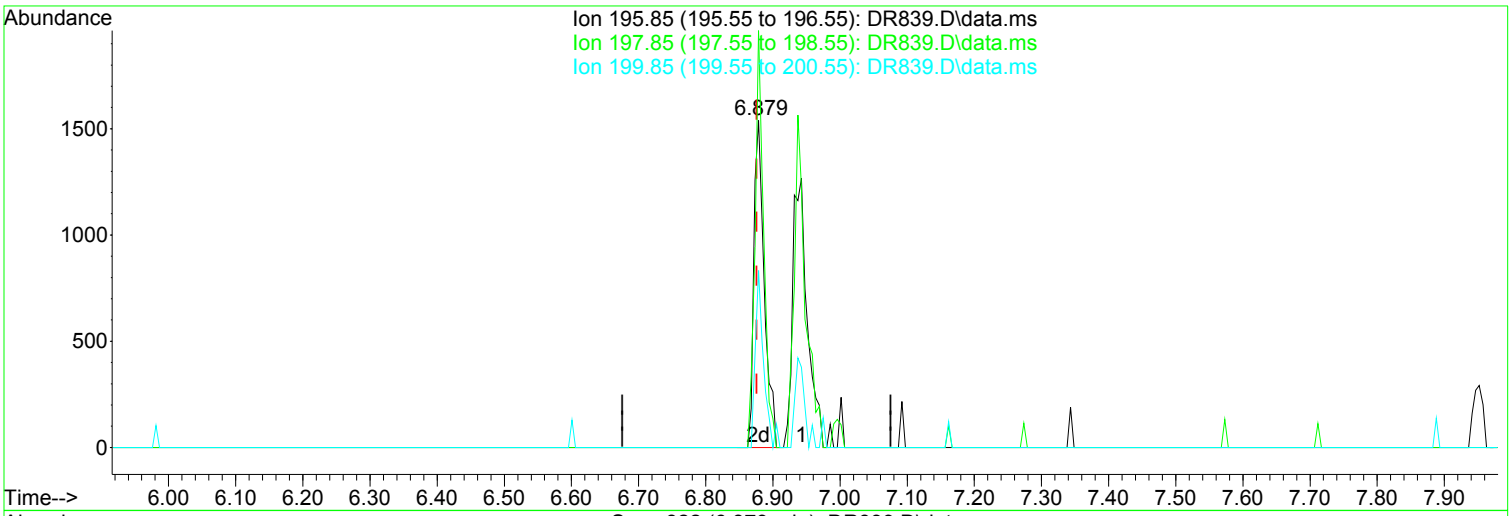
Before

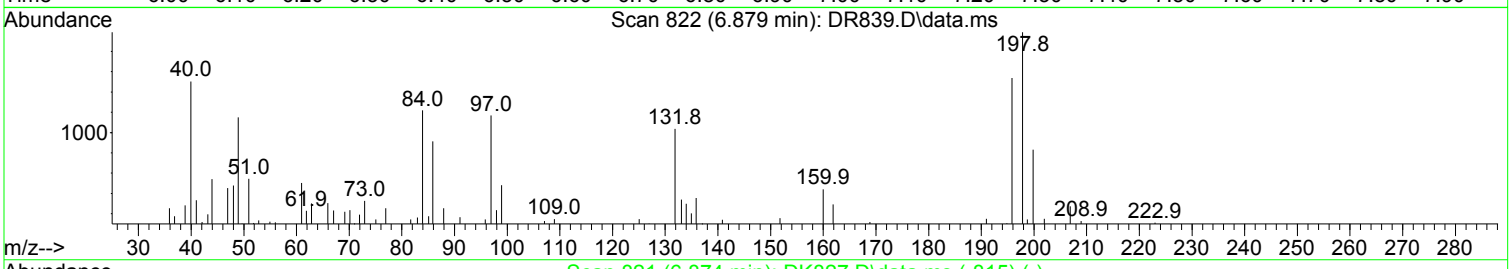
05/01/19

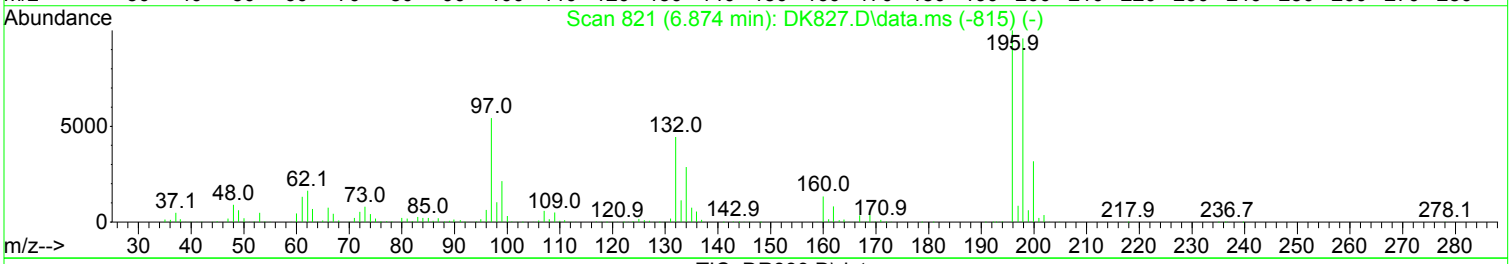
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR839.D
Acq On : 30 Apr 2019 9:40 am
Operator : JMisiurewicz
Sample : 1 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 01 08:53:32 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration







TIC: DR839.D\data.ms

(61) 2,4,6-Trichlorophenol (TCM)

6.879min (+ 0.003) 0.85 ppm m

response 1660

Ion	Exp%	Act%
195.85	100.00	100.00
197.85	102.70	129.24#
199.85	32.00	54.06#
0.00	0.00	0.00

Manual Integration:

After

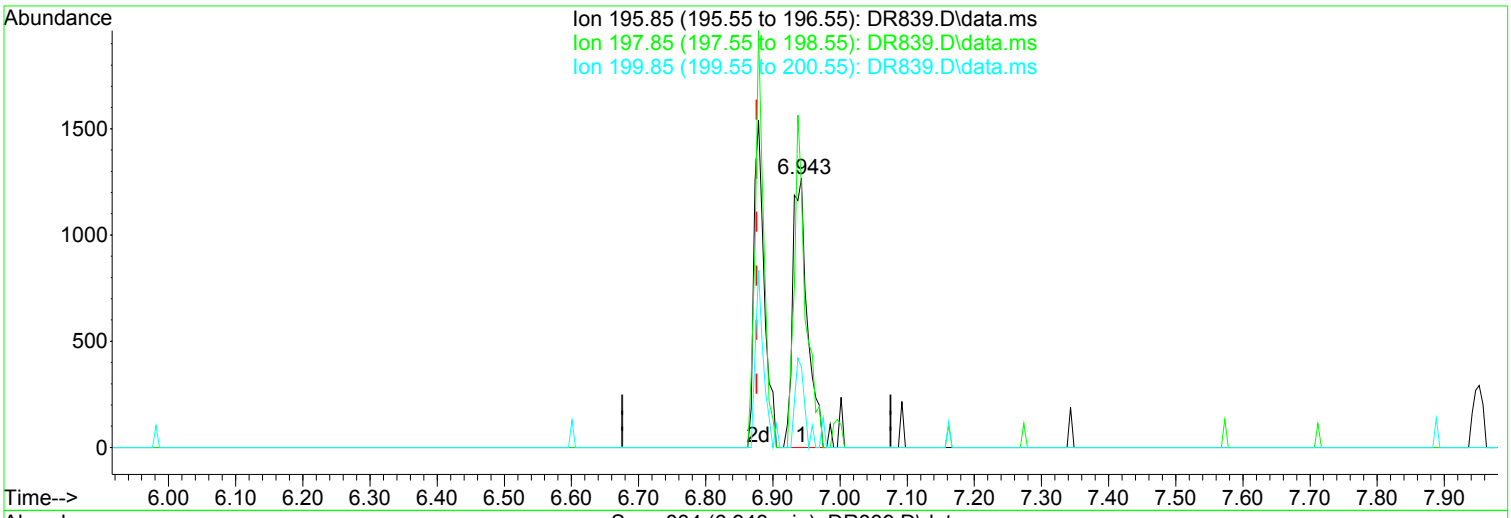
Wrong peak selected.

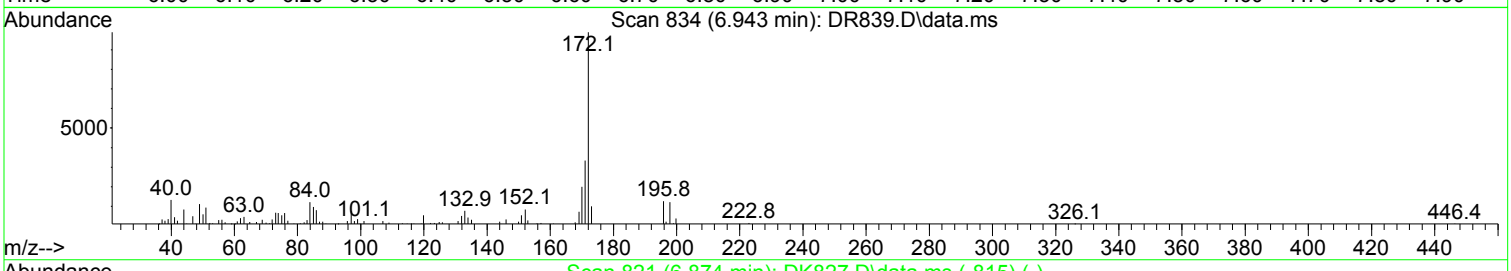
05/01/19

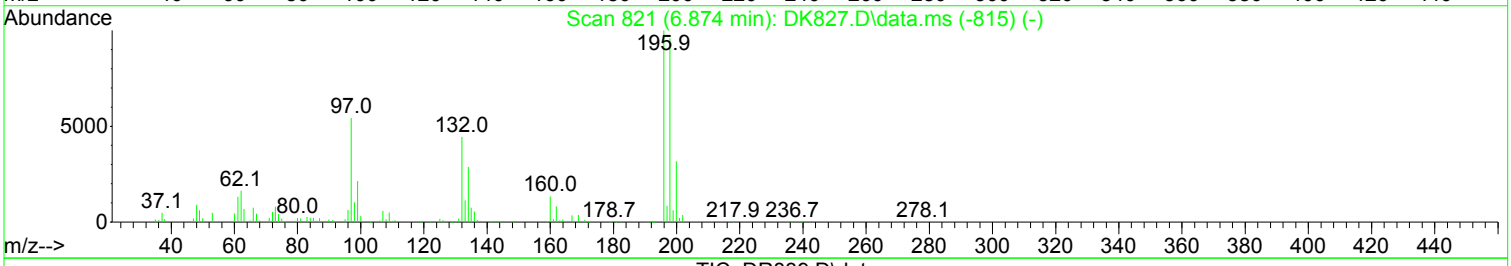
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR839.D
Acq On : 30 Apr 2019 9:40 am
Operator : JMisiurewicz
Sample : 1 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 01 08:53:32 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration







TIC: DR839.D\data.ms

(61) 2,4,6-Trichlorophenol (TCM)

6.943min (+ 0.067) 1.00 ppm

response 1945

Ion	Exp%	Act%
195.85	100.00	100.00
197.85	102.70	96.45
199.85	32.00	29.78
0.00	0.00	0.00

Manual Integration:

Before

05/01/19

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR839.D
Acq On : 30 Apr 2019 9:40 am
Operator : JMisiurewicz
Sample : 1 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 01 08:53:32 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) d4-1,4-Dichlorobenzene	4.731	152	111575	40.00	ppm		0.00
33) d8-Naphthalene	5.901	136	417154	40.00	ppm		0.00
57) d10-Acenaphthene	7.610	164	208822	40.00	ppm		0.00
91) d10-Phenanthrene	9.084	188	324805	40.00	ppm		0.00
117) d12-Chrysene	12.348	240	293790	40.00	ppm		0.00
135) d12-Perylene	15.291	264	297907	40.00	ppm		0.00
System Monitoring Compounds							
7) SURR1,2-FLUOROPHENOL	3.669	112	4026	0.99	ppm		0.00
Spiked Amount 100.000	Range 10 - 70		Recovery =	0.99%#			
12) SURR2,PHENOL-D6	4.432	99	4463	0.90	ppm		0.00
Spiked Amount 100.000	Range 10 - 107		Recovery =	0.90%#			
34) SURR4,NITROBENZENE-D5	5.234	82	4521	1.07	ppm		0.00
Spiked Amount 50.000	Range 31 - 110		Recovery =	2.14%#			
63) SURR5,2-FLUOROBIPHENYL	6.943	172	7719	0.97	ppm		0.00
Spiked Amount 50.000	Range 31 - 118		Recovery =	1.94%#			
88) SURR3,2,4,6-TRIBROMOPH...	8.401	330	912	1.07	ppm		0.00
Spiked Amount 100.000	Range 35 - 141		Recovery =	1.07%#			
124) SURR6,TERPHENYL-D14	10.767	244	6731	0.97	ppm		0.00
Spiked Amount 50.000	Range 10 - 165		Recovery =	1.94%#			
Target Compounds							Qvalue
2) Pyridine	2.686	79	3564m	0.832	ppm		
3) N-Nitrosodimethylamine	2.622	74	2622m	1.007	ppm		
4) 2-Picoline	3.231	93	4282	0.966	ppm		90
5) N-Nitrosomethylamine	3.289	42	2237m	1.242	ppm		
6) Methyl Methansulfonate	3.535	80	1884	0.933	ppm		89
8) N-Nitrosodiethylamine	3.839	102	2055	1.038	ppm		63
9) Ethyl Mathanesulfonate	4.080	79	3816	1.119	ppm		90
10) Benzaldehyde	4.368	106	5752	2.015	ppm		82
11) Aniline	4.454	93	5796	0.911	ppm		83
13) Phenol	4.443	94	5163	0.947	ppm		86
14) bis(2-Clethyl)Ether	4.496	93	4342	1.151	ppm		78
15) Pentachloroethane	4.486	117	1597	1.051	ppm		94
16) 2-Chlorophenol	4.566	128	4481	1.046	ppm		92
17) 1,3-Diclbenzene	4.683	146	4354	0.977	ppm		92
18) 1,4-Dichlorobenzene	4.747	146	4617	1.012	ppm		91
19) 1,2-Diclbenzene	4.881	146	4303	0.987	ppm		94
20) Benzyl Alcohol	4.870	79	2595	0.895	ppm	#	69
21) 1-Methyl-2-pyrrolidinone	4.913	99	2380	0.898	ppm	#	70
22) 2,2'-oxybis(1-Chloropr...	4.961	45	3494	0.964	ppm	#	77
23) 2-Methylphenol	4.966	108	4073	1.060	ppm		81
24) 3+4-Methylphenol	5.111	108	4599	1.058	ppm	#	81
25) Acetophenone	5.089	105	5668	1.049	ppm		87
26) N-Nitroso-Di-n-propyla...	5.079	70	3088	1.060	ppm		82
27) N-Nitrosopyrrolidine	5.084	100	2045	0.965	ppm	#	73
28) N-Nitrosomorpholine	5.116	56	2317	1.111	ppm		96
29) o-Toluidine	5.127	106	6027	1.005	ppm		73
30) Hexachloroethane	5.180	117	1966	1.120	ppm	#	80
31) o,o,o-Triethylphosphor...	5.623	198	1863	1.019	ppm		81
32) Alpha-terpinol	5.923	121	1484	1.041	ppm	#	66
35) Nitrobenzene	5.255	77	4326	1.018	ppm		94
36) N-Nitrosopiperidine	5.394	42	2208	0.955	ppm		89
37) Isophorone	5.463	82	6935	0.979	ppm		91
38) 2-Nitrophenol	5.549	139	2196	0.998	ppm		92

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR839.D
Acq On : 30 Apr 2019 9:40 am
Operator : JMisiurewicz
Sample : 1 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 01 08:53:32 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) 2,4-Dimethylphenol	5.591	107	3863	0.975	ppm		90
40) bis(-2-Chloroethoxy)Me...	5.661	93	3887	0.933	ppm		94
42) 2,4-Dichlorophenol	5.805	162	2936	0.936	ppm		80
43) a,a-Dimethylphenethyla...	5.821	58	6634	0.839	ppm		61
44) 1,2,4-Trichlorobenzene	5.842	180	3130	0.946	ppm		91
45) Naphthalene	5.923	128	11839	1.030	ppm		94
46) 4-Chloroaniline	5.987	127	4816	1.001	ppm		91
47) 2,6-Dichlorophenol	5.992	162	3214	0.980	ppm		82
48) Hexachlorobutadiene	6.024	225	1579	0.942	ppm	#	67
49) Hexachloropropene	5.997	213	2070	0.988	ppm		98
50) 4-Chloro-3-methylphenol	6.473	107	3128	1.000	ppm		75
51) N-N-di-n-butylamine	6.286	84	2712	1.091	ppm		75
52) Caprolactam	6.318	113	1422	1.143	ppm	#	61
53) p-Phenylenediamine	6.344	80	648	0.789	ppm		90
54) Safrole	6.499	162	2759	0.935	ppm		88
55) 2-Methylnaphthalene	6.590	142	7072	0.950	ppm		97
56) 1-Methylnaphthalene	6.686	142	6874	0.987	ppm		82
58) Hexachlorocyclopentadiene	6.729	237	295	1.403	ppm		67
59) 1,2,4,5-Tetrachloroben...	6.750	216	2761	0.898	ppm		96
60) 1,2,3,4-Tetrachloroben...	7.028	216	3104	0.959	ppm		94
61) 2,4,6-Trichlorophenol	6.879	196	1660m	0.853	ppm		
62) 2,4,5-Trichlorophenol	6.943	196	1945	0.929	ppm		97
64) Isosafrole	7.007	104	1669	1.243	ppm	#	66
65) 1,1'-Biphenyl	7.044	154	9050	0.978	ppm		93
66) 2-Chloronaphthalene	7.071	162	6707	1.003	ppm		94
67) 2-Nitroaniline	7.183	65	2143	1.121	ppm	#	65
68) 1,4-Naphthoquinone	7.258	158	1277	0.608	ppm		79
69) m-Dinitrobenzene	7.407	168	1251	0.952	ppm		86
70) Acenaphthylene	7.471	152	11068	1.033	ppm		88
71) Dimethyl phthalate	7.343	163	8275	1.059	ppm		96
72) 2,6-Dinitrotoluene	7.413	165	1811	1.020	ppm		86
73) Acenaphthene	7.642	153	7409	0.995	ppm		96
74) 3-Nitroaniline	7.594	138	1987	0.974	ppm		87
76) Dibenzofuran	7.813	168	9326	1.014	ppm		89
77) 2,4-Dinitrotoluene	7.819	165	2317	0.989	ppm	#	69
79) Pentachlorobenzene	7.771	250	2371	0.963	ppm	#	63
80) 1-Napthylamine	7.904	143	4915	1.015	ppm		93
81) 2-Napthylamine	7.984	143	6318	1.023	ppm		82
82) 2,3,4,6-Tetrachlorophenol	7.952	232	1044	0.730	ppm		71
83) Fluorene	8.155	166	7890	1.043	ppm		98
84) 4-Chlorophenyl-phenyle...	8.150	204	3083	1.010	ppm		93
85) Diethylphthalate	8.032	149	8006	1.034	ppm		97
86) 4-Nitroaniline	8.203	138	1790	0.890	ppm		96
87) 5-Nitro-o-toluidine	8.182	152	2135	0.935	ppm		92
89) Sulfotepp	8.411	322	988	1.023	ppm		94
90) Octachlorocyclopentene	8.390	307	910	0.925	ppm		75
92) Thionazin	8.112	107	1474	1.157	ppm		87
94) Diphenylamine	8.267	169	11320	1.972	ppm		98
95) 1,2 Diphenylhydrazine	8.305	77	7345	1.014	ppm		90
96) N-Nitrosodiphenylamine	8.267	169	11320	1.972	ppm		98
98) Diallate	8.540	86	3457	1.181	ppm		95
99) Phorate	8.556	121	1564	1.041	ppm		85
100) Phenacetin	8.588	108	3396	0.897	ppm		93
101) 4-Bromophenyl-phenylether	8.636	248	1858	1.094	ppm		93
102) Hexachlorobenzene	8.695	284	2062	1.080	ppm	#	71
103) Dimethoate	8.737	87	2877	1.159	ppm		96

1st DM 05/01/19
2nd BA 05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR839.D
Acq On : 30 Apr 2019 9:40 am
Operator : JMisiurewicz
Sample : 1 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 01 08:53:32 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration

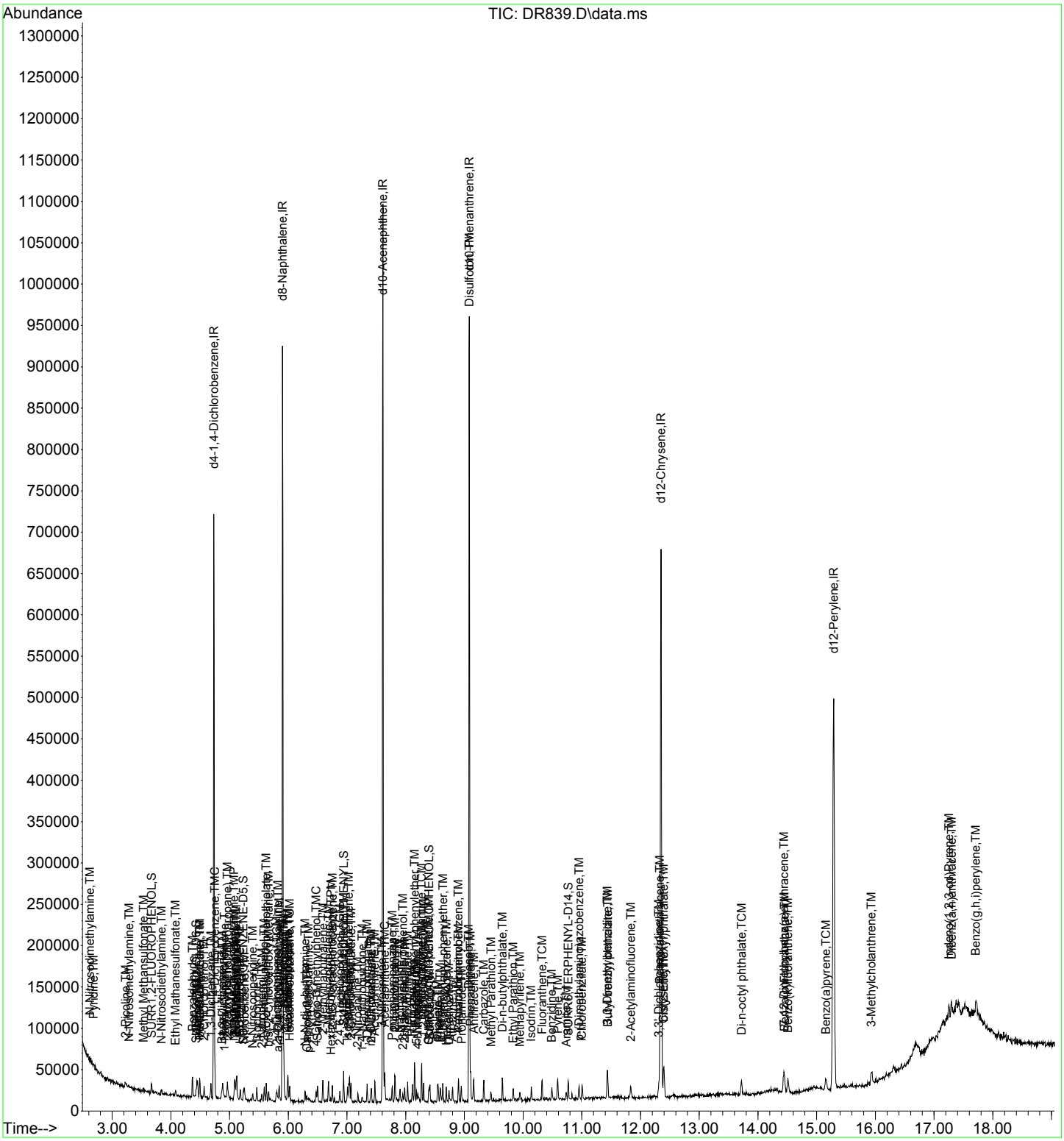
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
104) Atrazine	8.796	215	901	0.970	ppm		92
106) 4-Aminobiphenyl	8.897	169	5691	0.976	ppm		96
107) Pentachloronitrobenzene	8.897	237	608	0.862	ppm		95
108) Pronamide	8.951	173	2914	0.877	ppm		73
109) Dinoseb	9.068	211	869	0.527	ppm		88
110) Disulfoton	9.079	88	7355	1.953	ppm		54
111) Phenanthrene	9.106	178	11083	1.079	ppm		97
112) Anthracene	9.159	178	10821	1.060	ppm		92
113) Carbazole	9.330	167	10129	1.010	ppm		95
114) Di-n-butylphthalate	9.645	149	12664	0.977	ppm		99
116) Fluoranthene	10.324	202	9960	0.947	ppm		92
118) Methyl Parathion	9.453	109	2386	1.024	ppm		88
119) Ethyl Parathion	9.832	97	1838	1.056	ppm	#	55
120) Methapyrilene	9.944	58	2486	0.982	ppm		100
121) Isodrin	10.137	193	1201	1.118	ppm		78
122) Benzidine	10.489	184	6702	0.972	ppm		80
123) Pyrene	10.591	202	10301	0.955	ppm		99
125) Aramite	10.735	185	1552m	1.050	ppm		
126) p-(Dimethylamino)azobe...	10.954	120	3005	0.938	ppm		89
127) Chlorobenzilate	11.002	139	3439	0.918	ppm		91
128) Butyl benzyl phthalate	11.440	149	5899	0.986	ppm		93
129) 3,3-Dimethylbenzidine	11.434	212	6669	1.016	ppm		91
130) 2-Acetylaminofluorene	11.835	181	4683	0.980	ppm		88
131) 3,3'-Dichlorobenzidine	12.310	252	4285	1.097	ppm		80
132) Benzo(a)anthracene	12.326	228	10868	1.089	ppm		92
133) Chrysene	12.391	228	9838	1.072	ppm		96
134) bis(2-Ethylhexyl)phtha...	12.396	149	8910	1.082	ppm		98
136) Di-n-octyl phthalate	13.720	149	14534	1.028	ppm		87
137) 7,12-Dimethylbenz(a)an...	14.442	256	4740	1.053	ppm		89
138) Benzo(b)Fluoranthene	14.452	252	9907	0.999	ppm		79
139) Benzo(k)fluoranthene	14.511	252	9685	1.031	ppm		90
140) Benzo(a)pyrene	15.157	252	8649	1.014	ppm		90
141) 3-Methylcholanthrene	15.932	268	5296	1.061	ppm		85
142) Indeno(1,2,3-cd)Pyrene	17.251	276	9447	1.130	ppm		89
143) Dibenz(a,h)anthracene	17.299	278	9403	1.073	ppm		83
144) Benzo(g,h,i)perylene	17.710	276	7682	1.066	ppm		92

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

1st DM 05/01/19
2nd BA 05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR839.D
Acq On : 30 Apr 2019 9:40 am
Operator : JMisiurewicz
Sample : 1 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 5 Sample Multiplier: 1

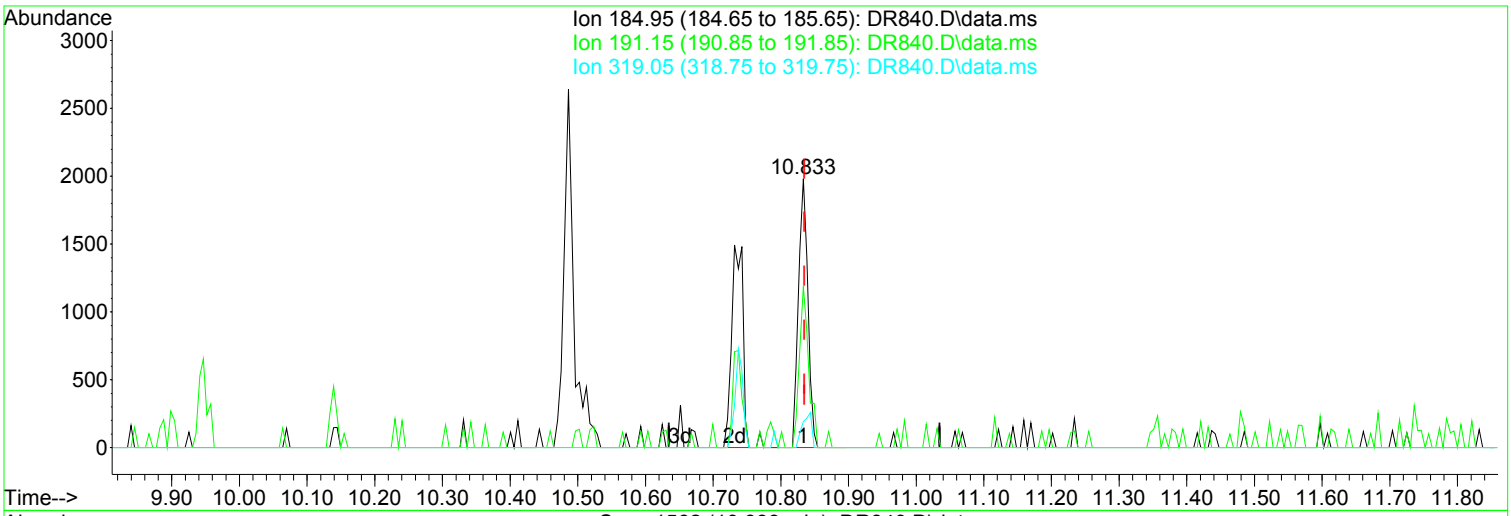
Quant Time: May 01 08:53:32 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration

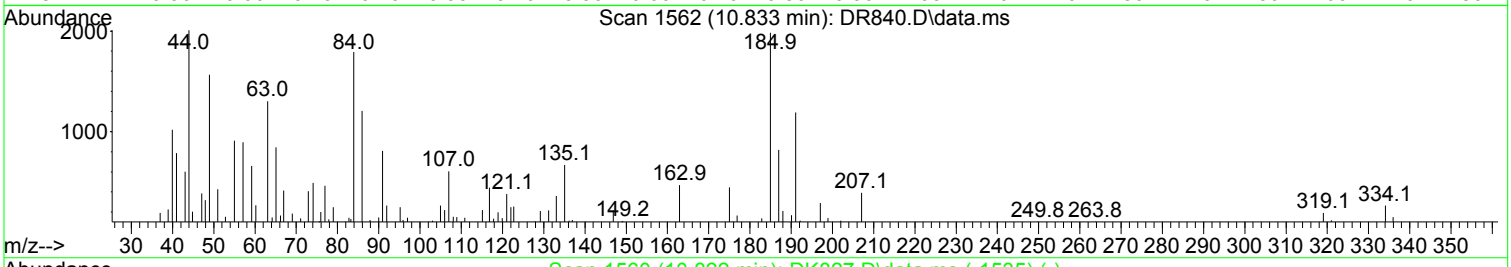


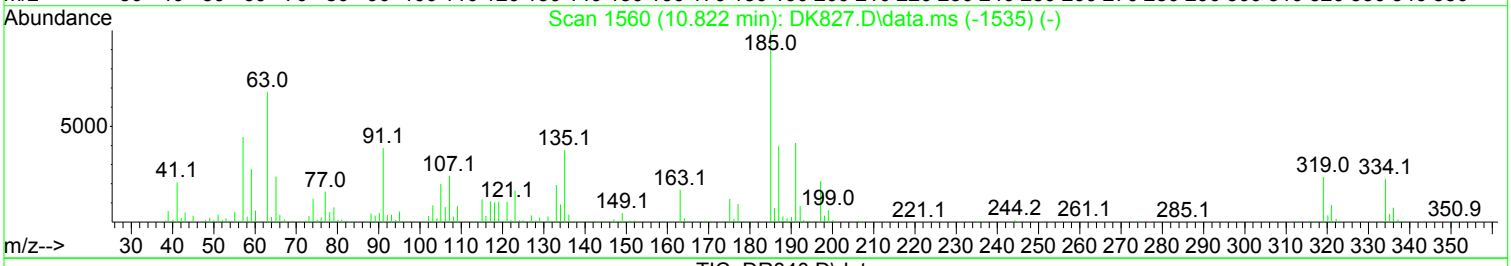
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR840.D
Acq On : 30 Apr 2019 10:09 am
Operator : JMisiurewicz
Sample : 2.5 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 01 08:53:37 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration







TIC: DR840.D\data.ms

(125) Aramite (TM)

10.833min (-0.002) 2.51 ppm m

response 3704

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	41.00	59.96
319.05	16.80	9.68
0.00	0.00	0.00

Manual Integration:

After

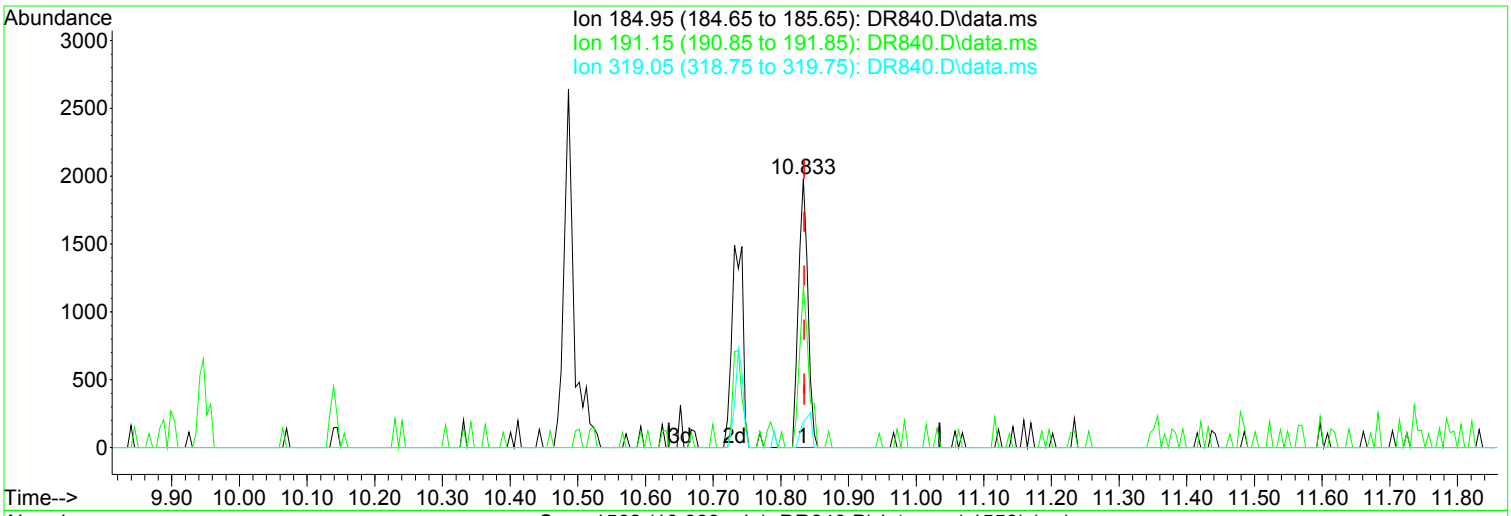
Split Peak.

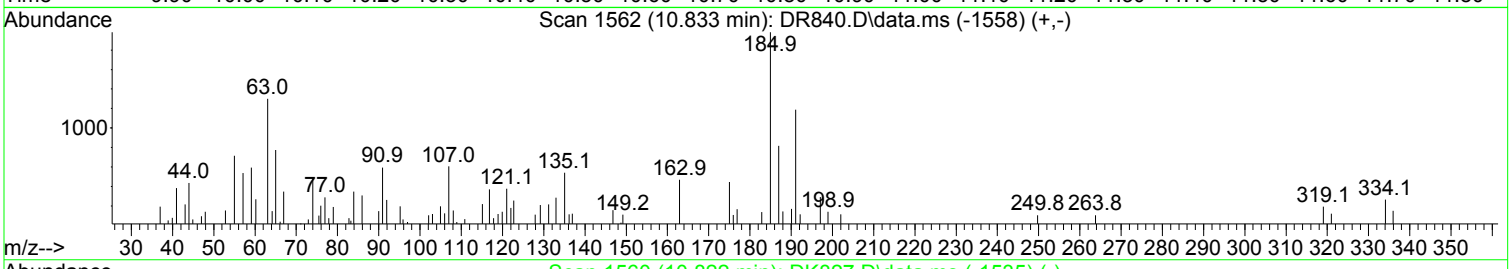
05/01/19

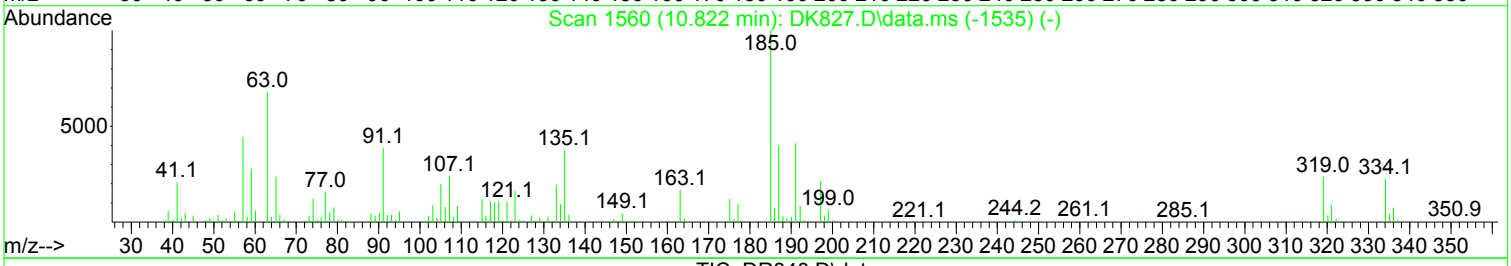
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR840.D
Acq On : 30 Apr 2019 10:09 am
Operator : JMisiurewicz
Sample : 2.5 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 01 08:53:37 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration







TIC: DR840.D\data.ms

(125) Aramite (TM)

10.833min (-0.002) 1.31 ppm

response 1933

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	41.00	59.96
319.05	16.80	9.68
0.00	0.00	0.00

Manual Integration:

Before

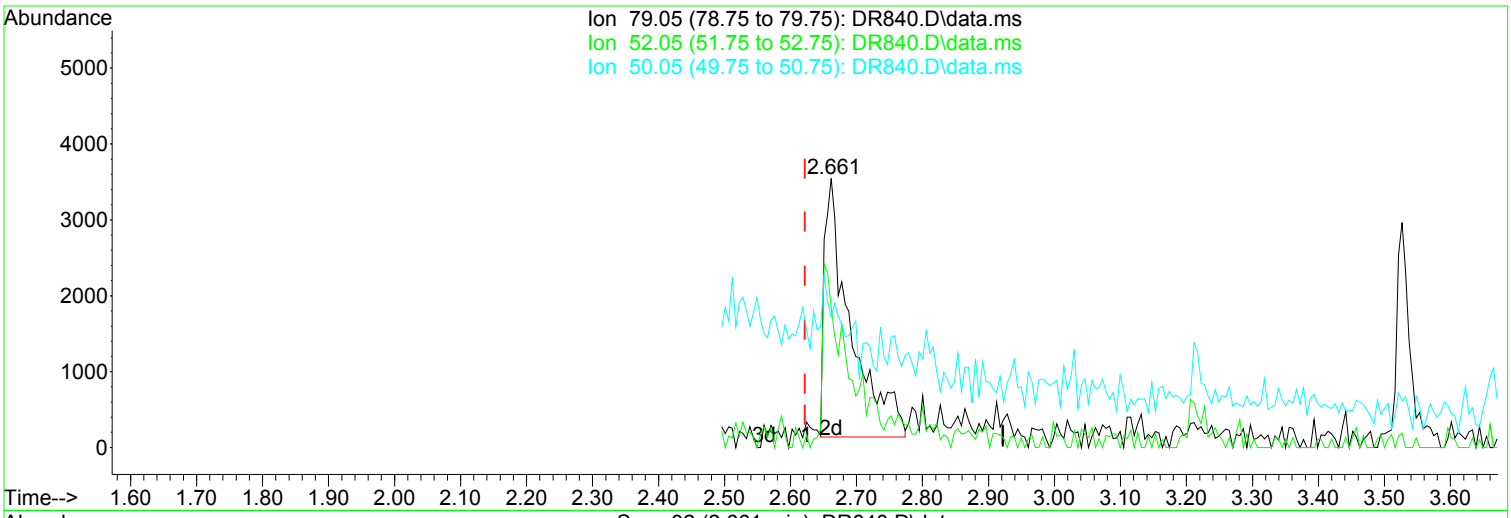
05/01/19

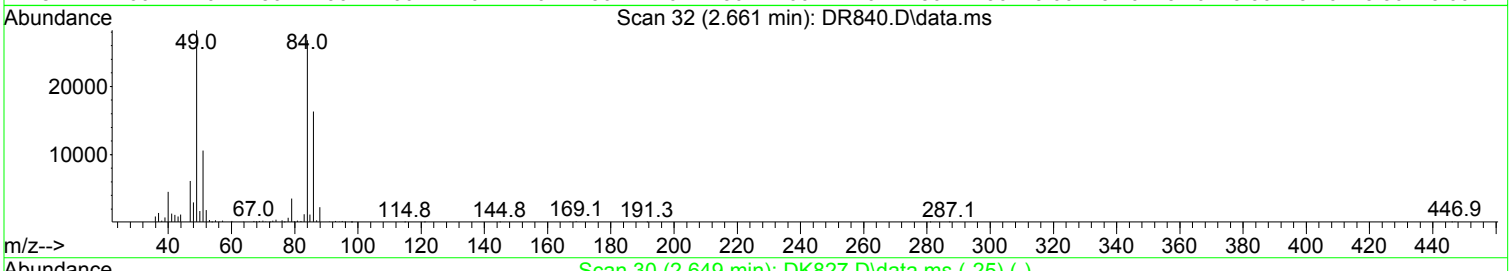
1st DM 05/01/19
2nd BA 05/01/19

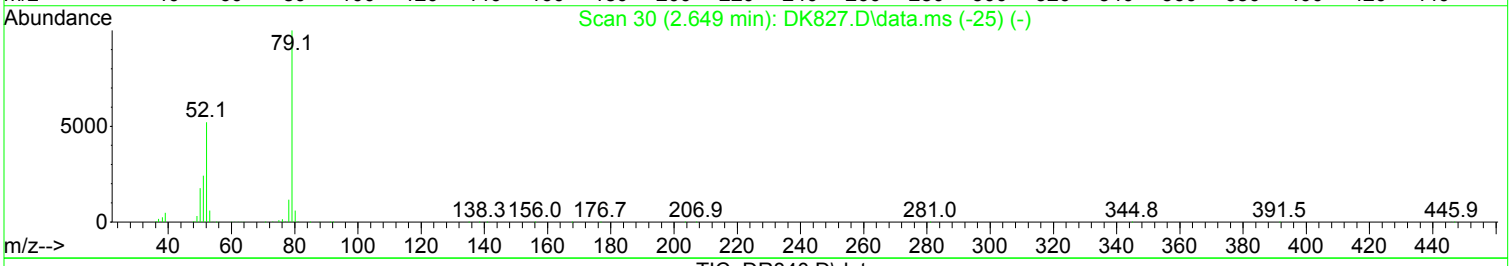
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR840.D
Acq On : 30 Apr 2019 10:09 am
Operator : JMisiurewicz
Sample : 2.5 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 01 08:53:37 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration







TIC: DR840.D\data.ms

(2) Pyridine (TM)

2.661min (+ 0.039) 2.18 ppm m

response 9421

Ion	Exp%	Act%
79.05	100.00	100.00
52.05	60.40	52.24
50.05	24.10	48.63
0.00	0.00	0.00

Manual Integration:

After

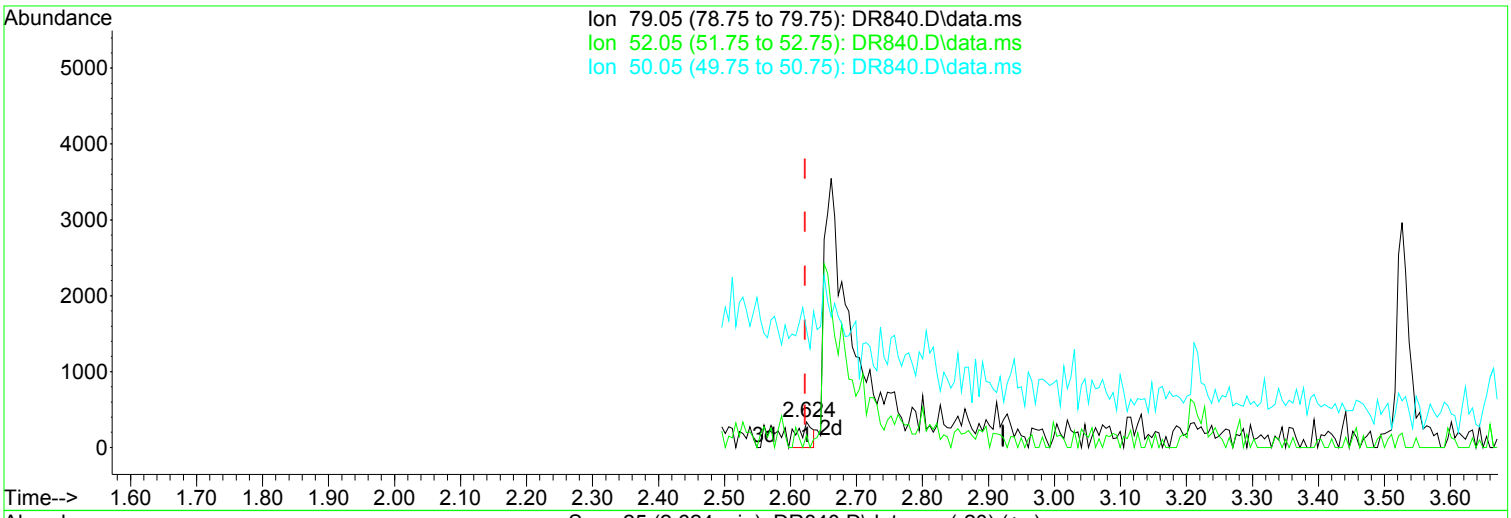
Peak not found.

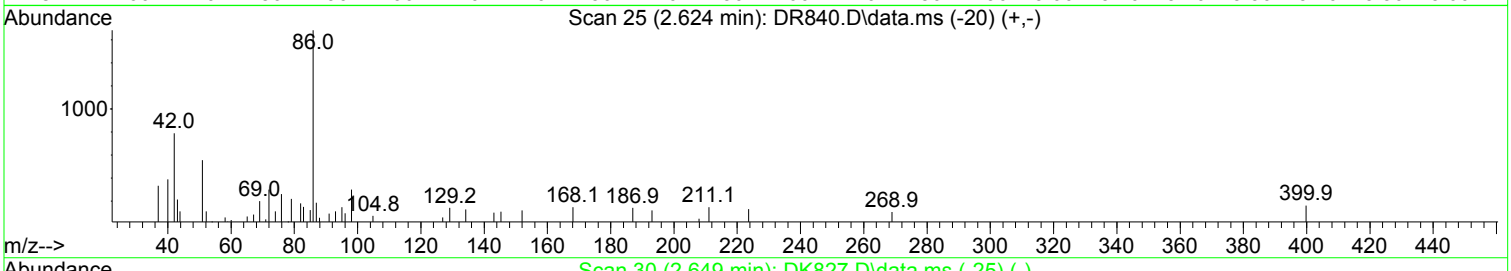
05/01/19

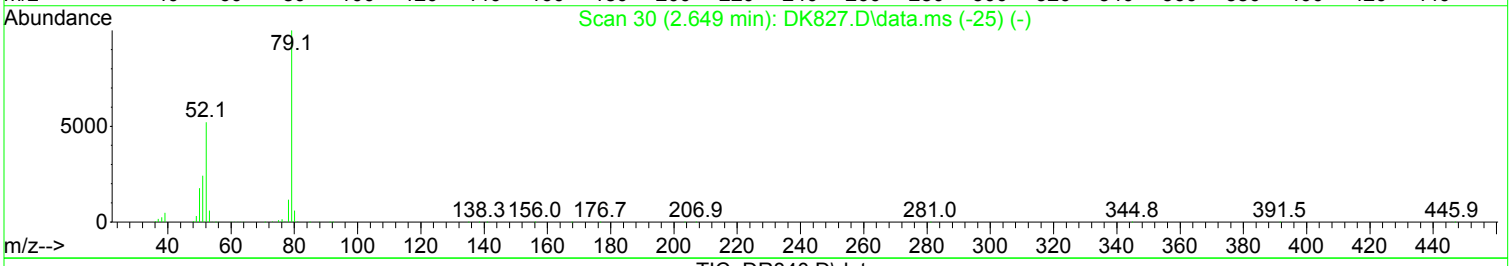
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR840.D
Acq On : 30 Apr 2019 10:09 am
Operator : JMisiurewicz
Sample : 2.5 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 01 08:53:37 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration







TIC: DR840.D\data.ms

(2) Pyridine (TM)

2.624min (+ 0.002) 0.12 ppm

response 520

Ion	Exp%	Act%
79.05	100.00	100.00
52.05	60.40	50.11
50.05	24.10	0.00
0.00	0.00	0.00

Manual Integration:

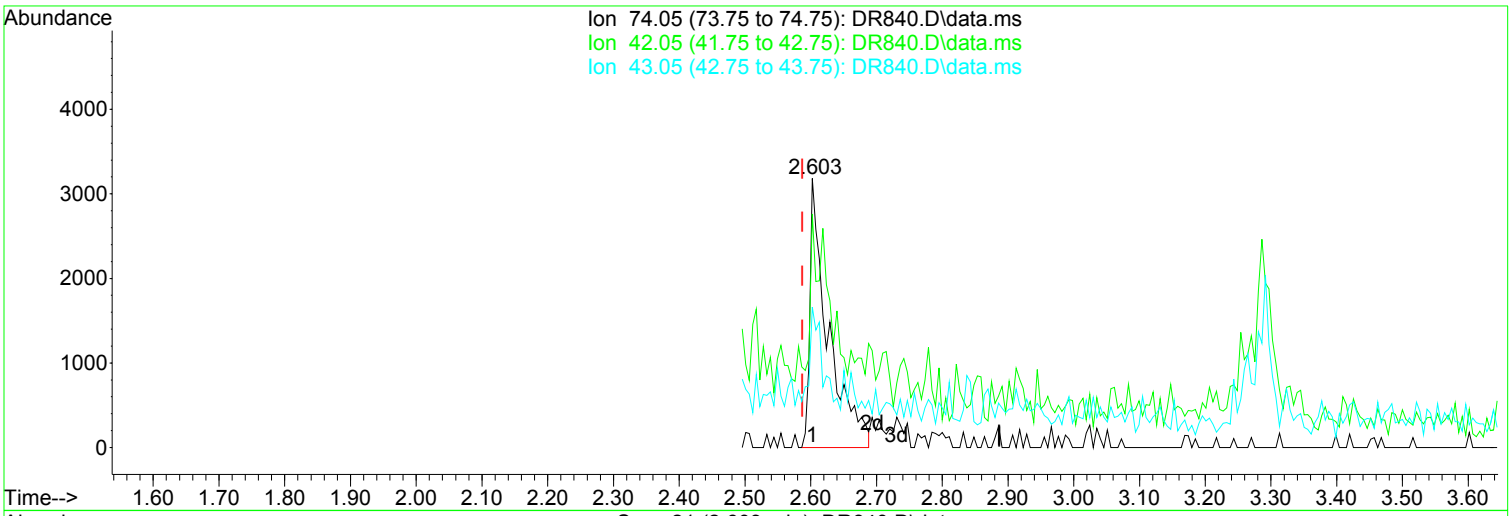
Before

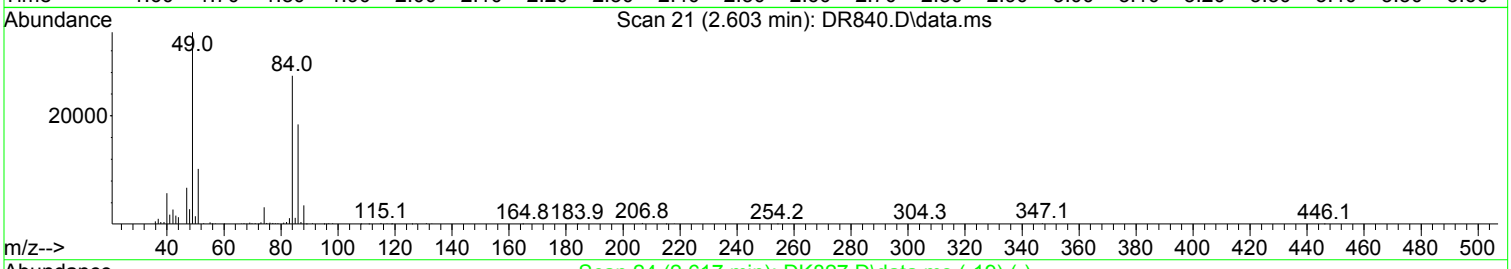
05/01/19

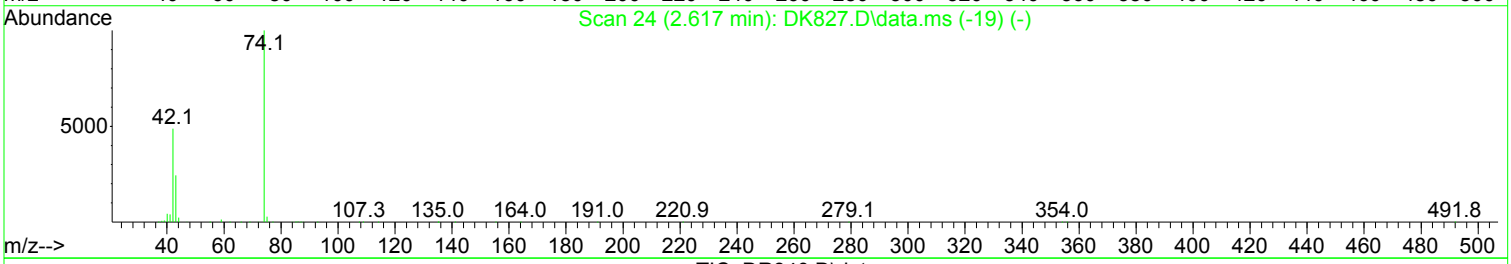
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR840.D
Acq On : 30 Apr 2019 10:09 am
Operator : JMisiurewicz
Sample : 2.5 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 01 08:53:37 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration







TIC: DR840.D\data.ms

(3) N-Nitrosodimethylamine (TM)

2.603min (+ 0.015) 2.33 ppm m

response 6118

Ion	Exp%	Act%
74.05	100.00	100.00
42.05	71.90	86.86
43.05	28.80	52.28
0.00	0.00	0.00

Manual Integration:

After

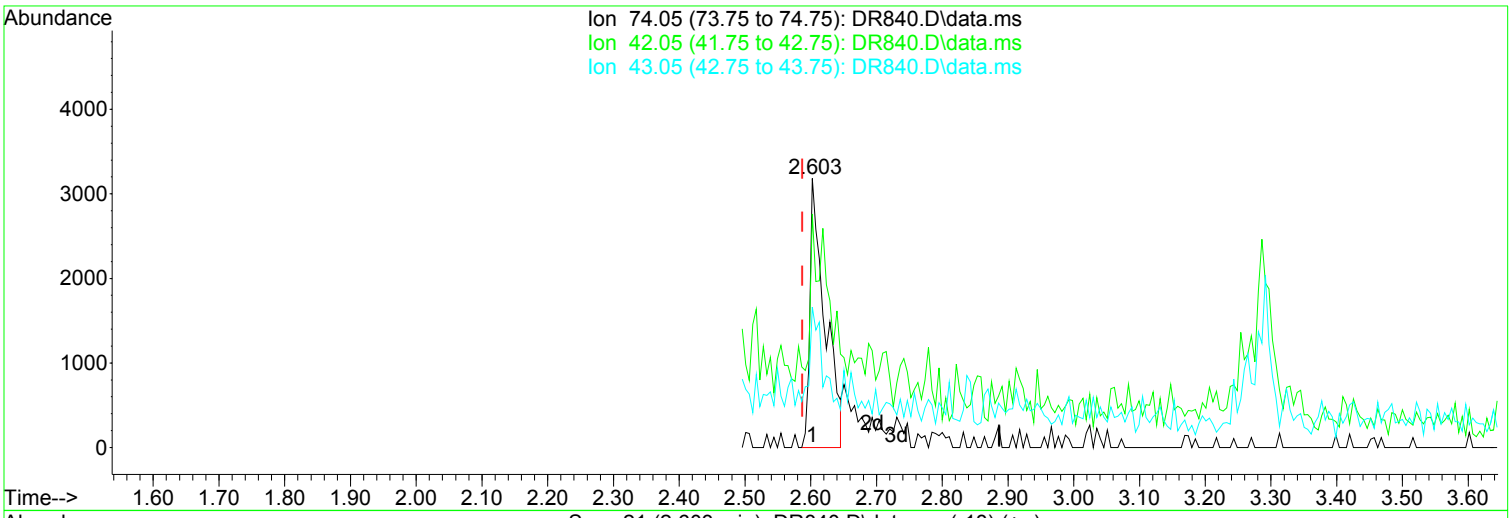
Poor integration.

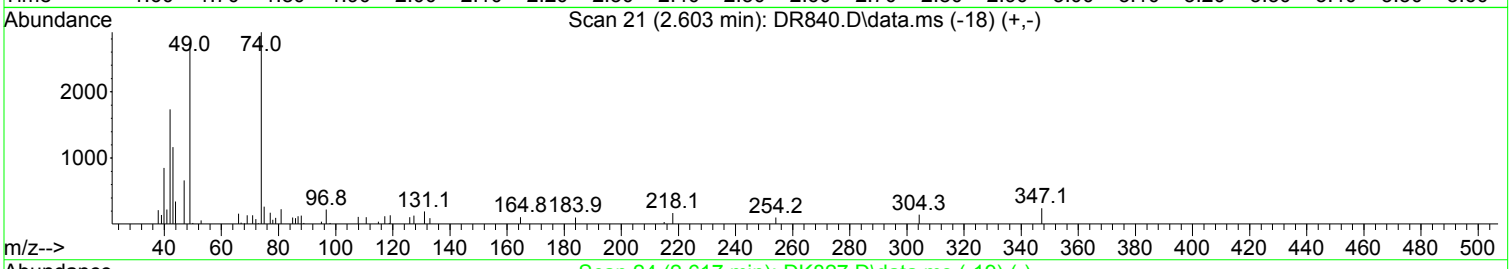
05/01/19

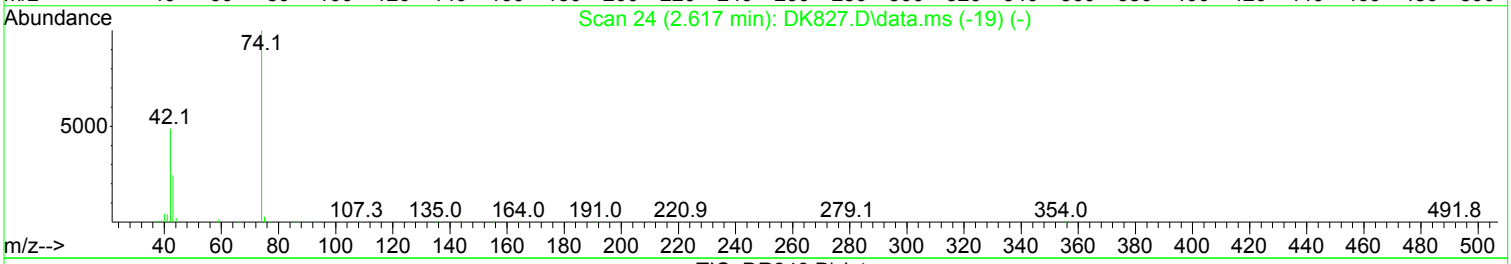
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR840.D
Acq On : 30 Apr 2019 10:09 am
Operator : JMisiurewicz
Sample : 2.5 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 01 08:53:37 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration







TIC: DR840.D\data.ms

(3) N-Nitrosodimethylamine (TM)

2.603min (+ 0.015) 1.92 ppm

response 5034

Ion	Exp%	Act%
74.05	100.00	100.00
42.05	71.90	59.80
43.05	28.80	40.30
0.00	0.00	0.00

Manual Integration:

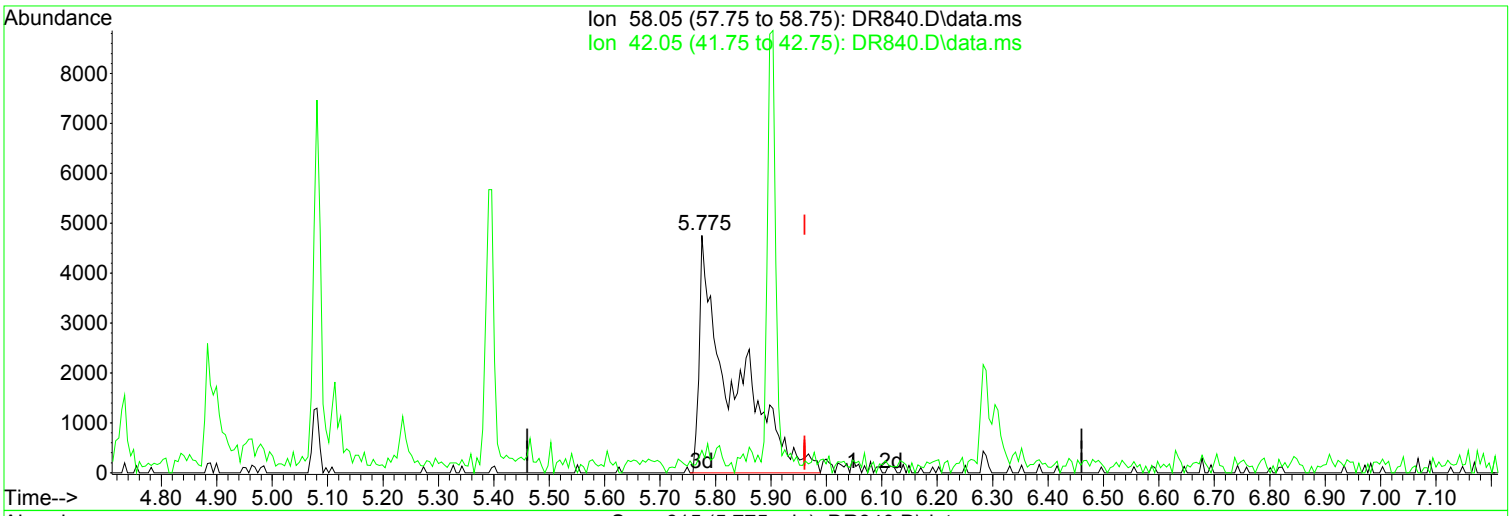
Before

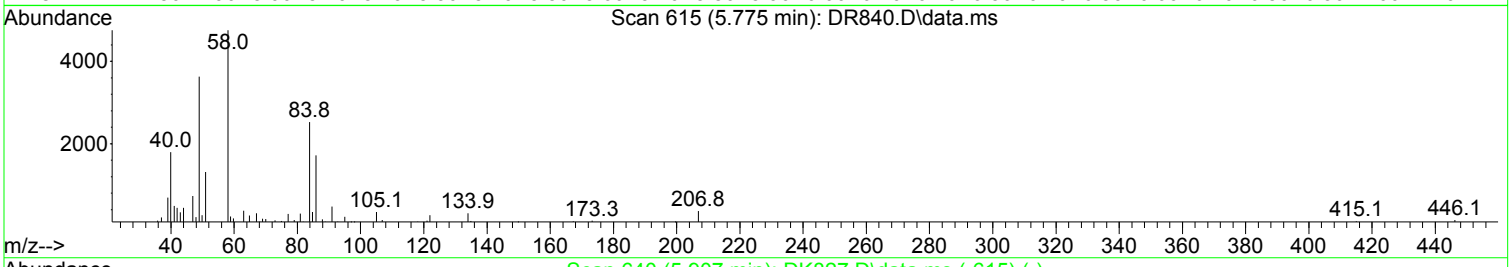
05/01/19

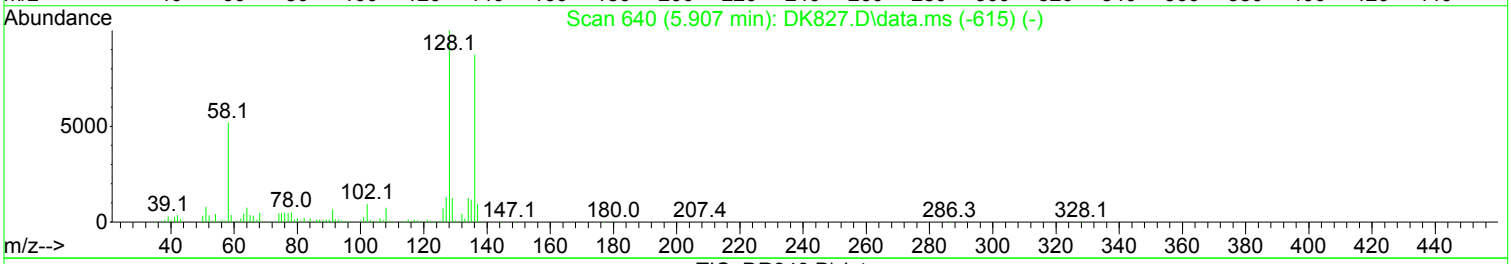
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR840.D
Acq On : 30 Apr 2019 10:09 am
Operator : JMisiurewicz
Sample : 2.5 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 01 08:53:37 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration







TIC: DR840.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

5.775min (-0.186) 2.52 ppm m

response 19415

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	30.40	9.36
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

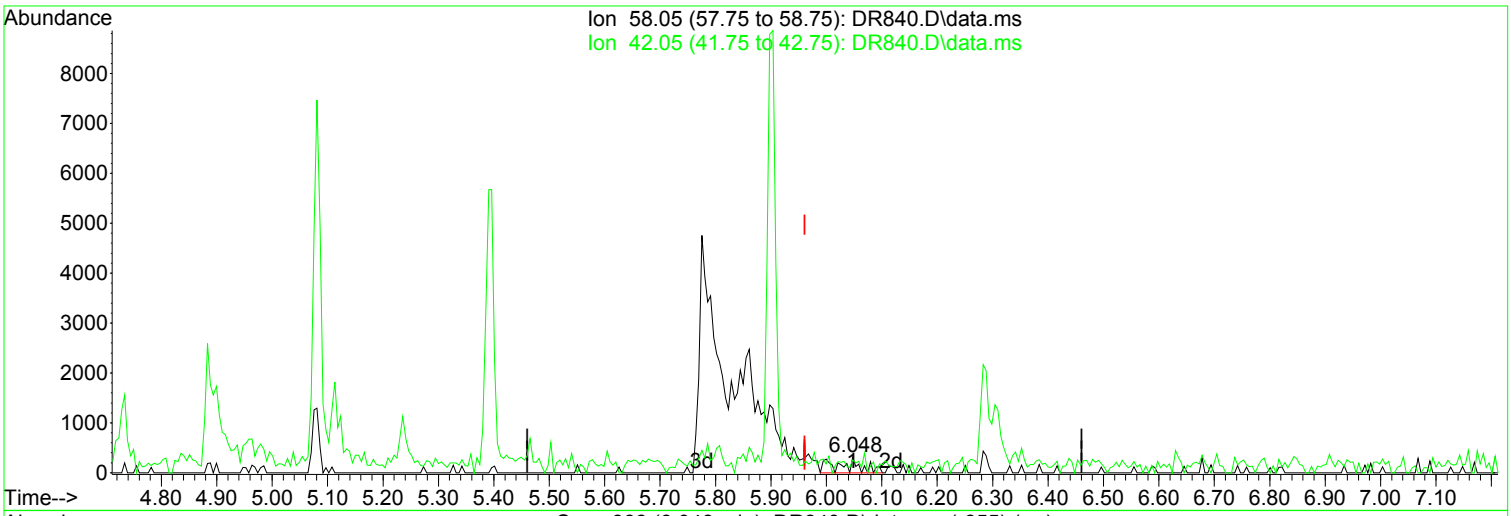
Peak not found.

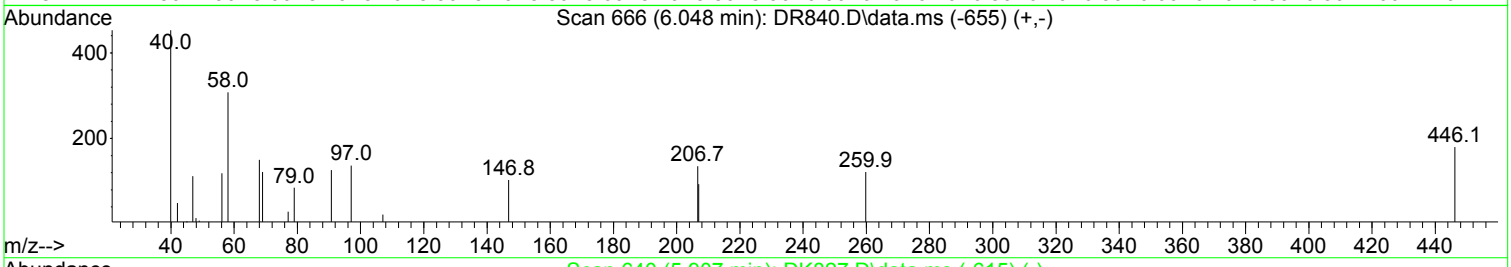
05/01/19

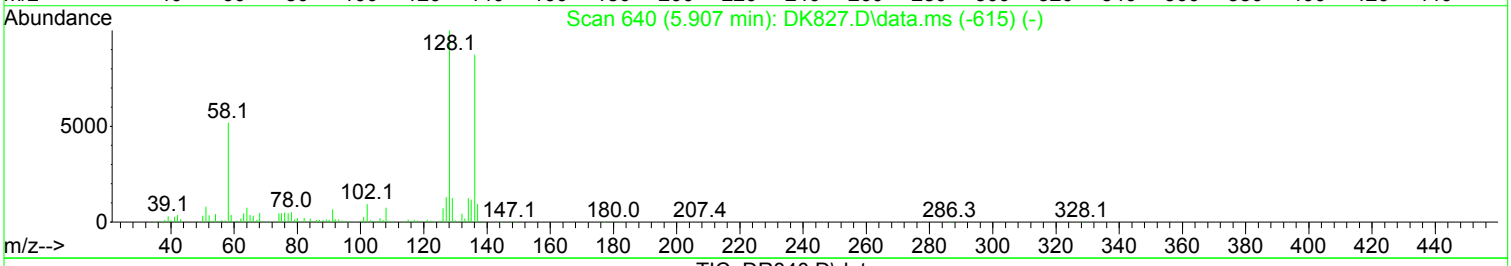
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR840.D
Acq On : 30 Apr 2019 10:09 am
Operator : JMisiurewicz
Sample : 2.5 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 01 08:53:37 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration







TIC: DR840.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

6.048min (+ 0.086) 0.11 ppm

response 880

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	30.40	16.07
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

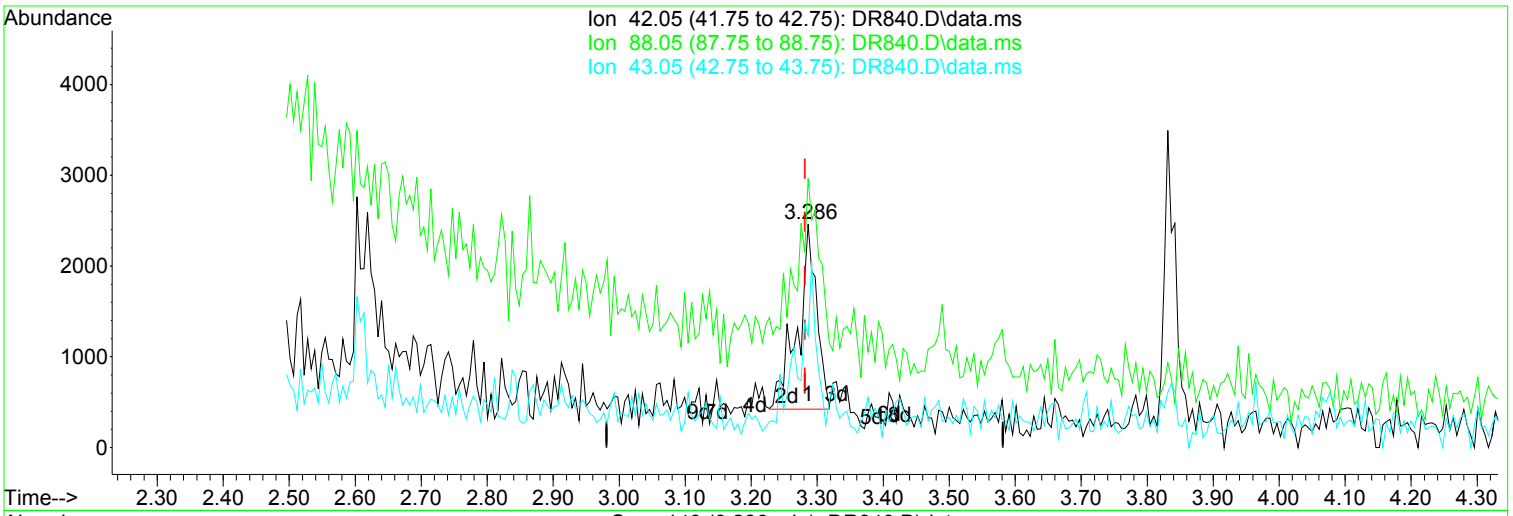
Before

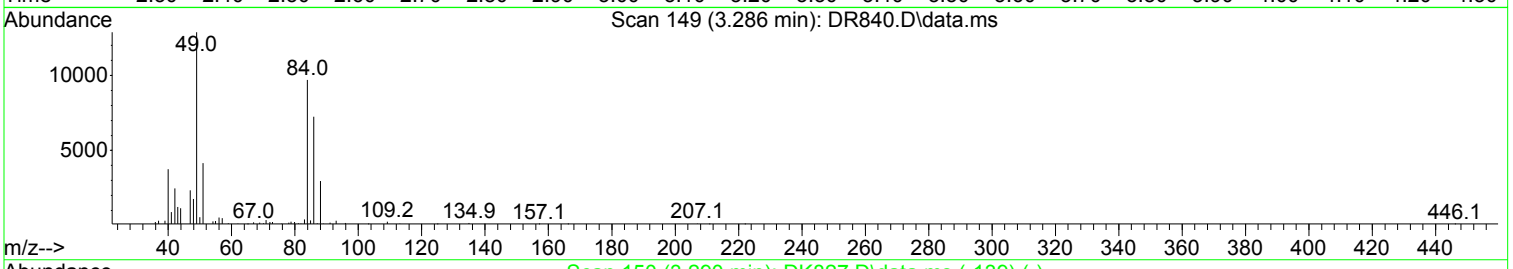
05/01/19

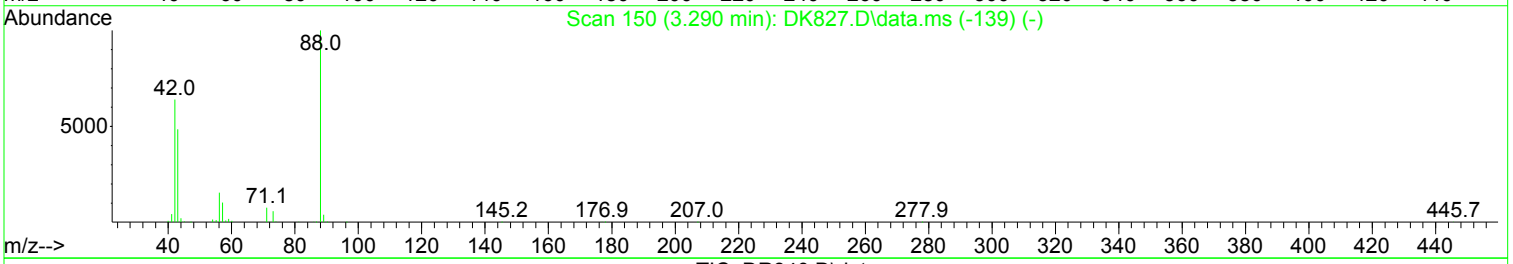
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR840.D
Acq On : 30 Apr 2019 10:09 am
Operator : JMisiurewicz
Sample : 2.5 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 01 08:53:37 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration







TIC: DR840.D\data.ms

(5) N-Nitrosomethylamine (TM)

3.286min (+ 0.005) 2.25 ppm m

response 4092

Ion	Exp%	Act%
42.05	100.00	100.00
88.05	115.80	120.39
43.05	73.90	50.12
0.00	0.00	0.00

Manual Integration:

After

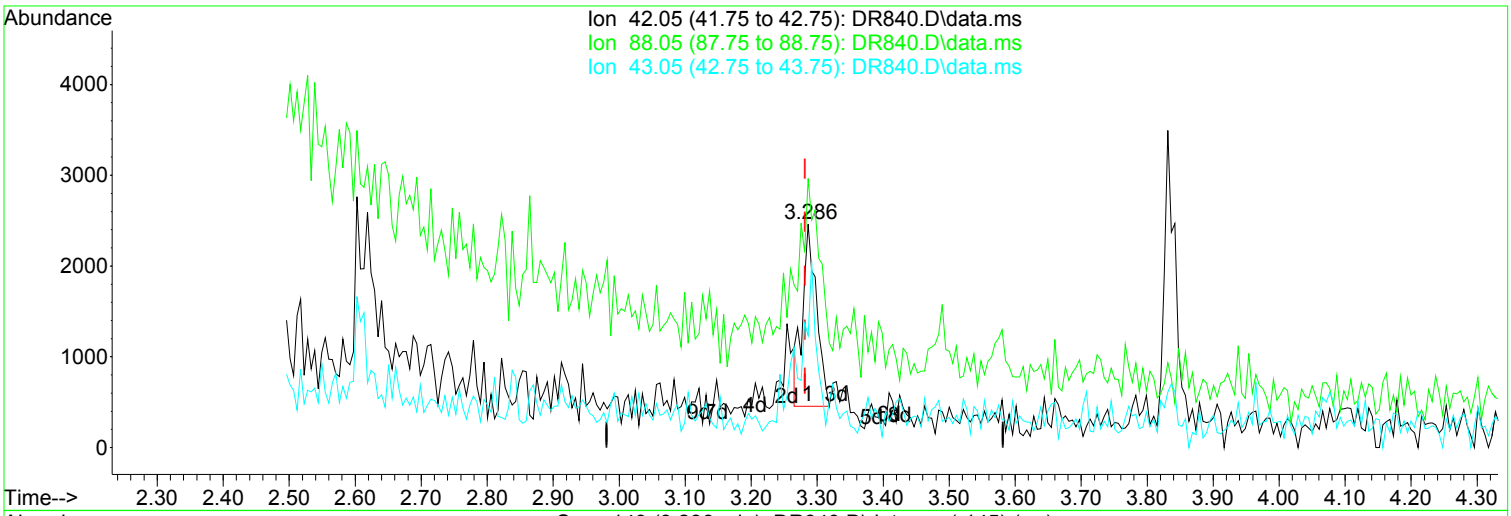
Poor integration.

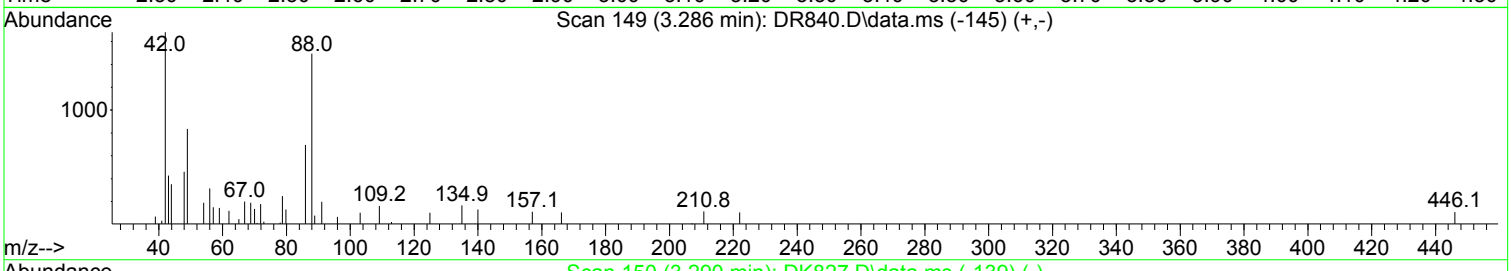
05/01/19

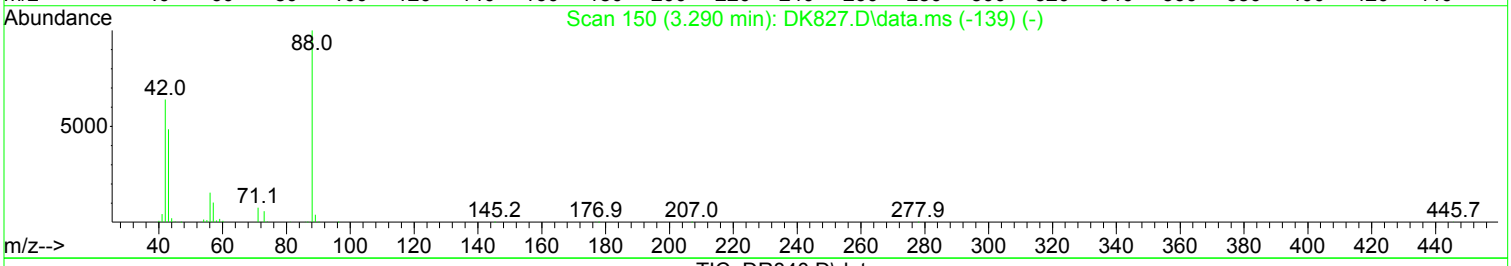
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR840.D
Acq On : 30 Apr 2019 10:09 am
Operator : JMisiurewicz
Sample : 2.5 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 01 08:53:37 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration







TIC: DR840.D\data.ms

(5) N-Nitrosomethylamine (TM)

3.286min (+ 0.005) 1.65 ppm

response 2987

Ion	Exp%	Act%
42.05	100.00	100.00
88.05	115.80	88.76
43.05	73.90	25.42#
0.00	0.00	0.00

Manual Integration:

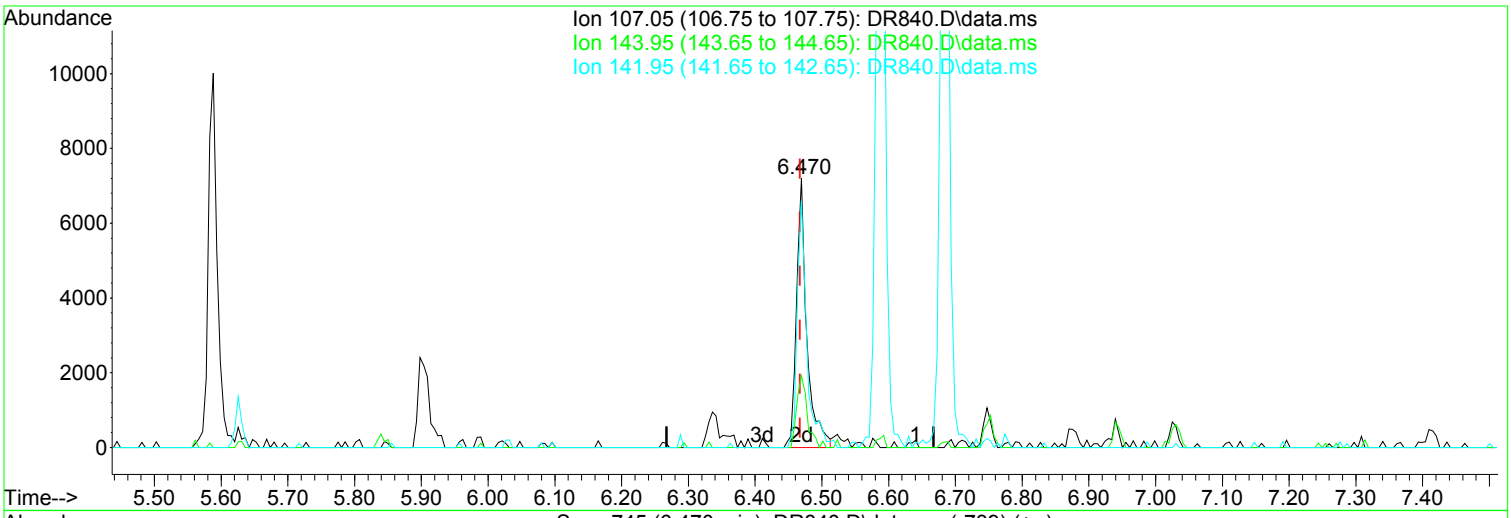
Before

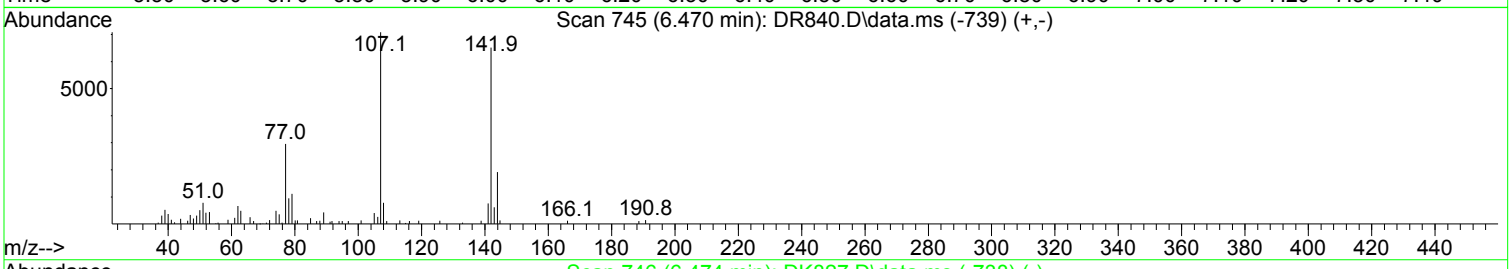
05/01/19

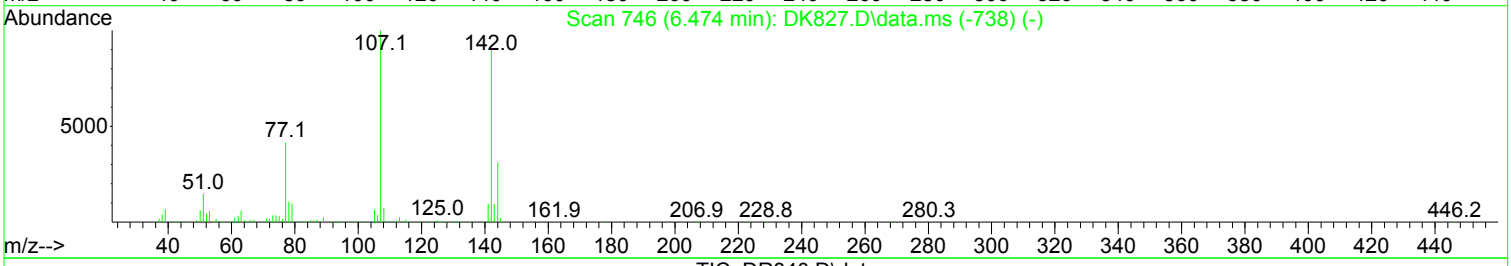
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR840.D
Acq On : 30 Apr 2019 10:09 am
Operator : JMisiurewicz
Sample : 2.5 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 01 08:53:37 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration







TIC: DR840.D\data.ms

(50) 4-Chloro-3-methylphenol (TMC)

6.470min (+ 0.002) 2.52 ppm m

response 7676

Ion	Exp%	Act%
107.05	100.00	100.00
143.95	28.90	26.66
141.95	49.90	91.66#
0.00	0.00	0.00

Manual Integration:

After

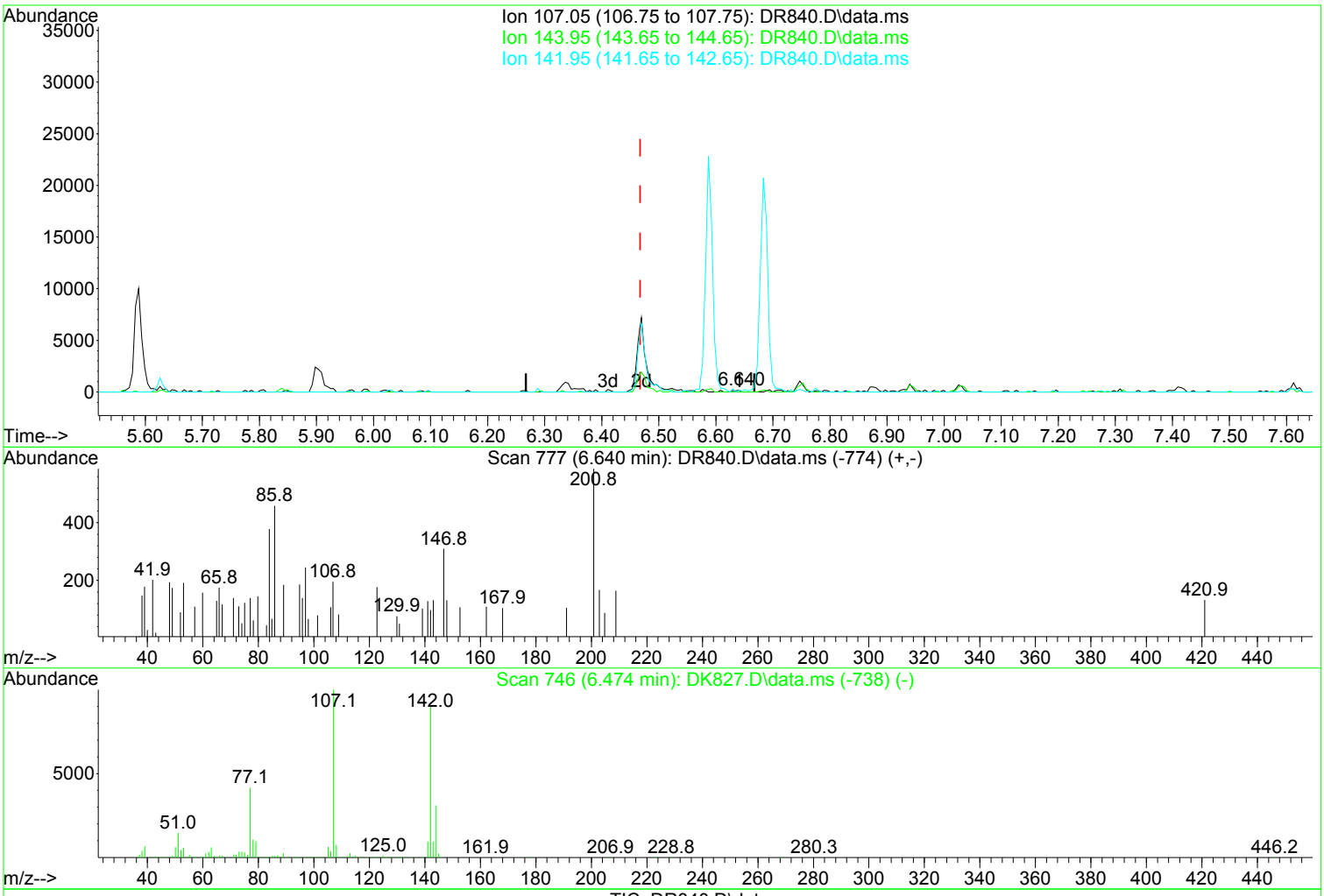
Peak not found.

05/01/19

1st DM 05/01/19
2nd BA 05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR840.D
Acq On : 30 Apr 2019 10:09 am
Operator : JMisiurewicz
Sample : 2.5 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 01 08:53:37 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



TIC: DR840.D\data.ms

(50) 4-Chloro-3-methylphenol (TMC)

6.640min (+ 0.173) 0.05 ppm

response 141

Ion	Exp%	Act%
107.05	100.00	100.00
143.95	28.90	0.00
141.95	49.90	49.74
0.00	0.00	0.00

Manual Integration:

Before

05/01/19

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR840.D
Acq On : 30 Apr 2019 10:09 am
Operator : JMisiurewicz
Sample : 2.5 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 01 08:53:37 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) d4-1,4-Dichlorobenzene	4.734	152	112429	40.00	ppm		0.00
33) d8-Naphthalene	5.903	136	406648	40.00	ppm		0.00
57) d10-Acenaphthene	7.613	164	207367	40.00	ppm		0.00
91) d10-Phenanthrene	9.081	188	326792	40.00	ppm		0.00
117) d12-Chrysene	12.350	240	293632	40.00	ppm		0.00
135) d12-Perylene	15.288	264	298347	40.00	ppm		0.00
System Monitoring Compounds							
7) SURR1,2-FLUOROPHENOL	3.665	112	10024	2.45	ppm		0.00
Spiked Amount 100.000	Range 10 - 70		Recovery = 2.45%#				
12) SURR2,PHENOL-D6	4.429	99	12557	2.50	ppm		0.00
Spiked Amount 100.000	Range 10 - 107		Recovery = 2.50%#				
34) SURR4,NITROBENZENE-D5	5.236	82	11319	2.74	ppm		0.00
Spiked Amount 50.000	Range 31 - 110		Recovery = 5.48%#				
63) SURR5,2-FLUOROBIPHENYL	6.940	172	20369	2.58	ppm		0.00
Spiked Amount 50.000	Range 31 - 118		Recovery = 5.16%#				
88) SURR3,2,4,6-TRIBROMOPH...	8.398	330	2144	2.52	ppm		0.00
Spiked Amount 100.000	Range 35 - 141		Recovery = 2.52%#				
124) SURR6,TERPHENYL-D14	10.769	244	17535	2.53	ppm		0.00
Spiked Amount 50.000	Range 10 - 165		Recovery = 5.06%#				
Target Compounds							Qvalue
2) Pyridine	2.661	79	9421m	2.183	ppm		
3) N-Nitrosodimethylamine	2.603	74	6118m	2.331	ppm		
4) 2-Picoline	3.211	93	11201	2.508	ppm		91
5) N-Nitrosomethylamine	3.286	42	4092m	2.254	ppm		
6) Methyl Methansulfonate	3.527	80	4874	2.396	ppm		99
8) N-Nitrosodiethylamine	3.831	102	4712	2.363	ppm		97
9) Ethyl Mathanesulfonate	4.077	79	9543	2.776	ppm		96
10) Benzaldehyde	4.365	106	15170	5.275	ppm		92
11) Aniline	4.456	93	16451	2.566	ppm		96
13) Phenol	4.440	94	13614	2.478	ppm		97
14) bis(2-Clethyl)Ether	4.493	93	9694	2.550	ppm		94
15) Pentachloroethane	4.493	117	3940	2.574	ppm		78
16) 2-Chlorophenol	4.563	128	10254	2.376	ppm		93
17) 1,3-Diclbenzene	4.686	146	10905	2.428	ppm		92
18) 1,4-Dichlorobenzene	4.750	146	11017	2.397	ppm		95
19) 1,2-Diclbenzene	4.883	146	11565	2.633	ppm		94
20) Benzyl Alcohol	4.862	79	7264	2.485	ppm		89
21) 1-Methyl-2-pyrrolidinone	4.894	99	6611	2.475	ppm		86
22) 2,2'-oxybis(1-Chloropr...	4.958	45	9537	2.611	ppm	#	68
23) 2-Methylphenol	4.963	108	10147	2.620	ppm		88
24) 3+4-Methylphenol	5.102	108	10837	2.473	ppm	#	79
25) Acetophenone	5.092	105	13719	2.521	ppm		89
26) N-Nitroso-Di-n-propyla...	5.081	70	7938	2.704	ppm		97
27) N-Nitrosopyrrolidine	5.081	100	5416	2.537	ppm	#	64
28) N-Nitrosomorpholine	5.113	56	5704	2.715	ppm		98
29) o-Toluidine	5.124	106	14993	2.481	ppm		87
30) Hexachloroethane	5.182	117	4038	2.282	ppm		90
31) o,o,o-Triethylphosphor...	5.626	198	4544	2.466	ppm		88
32) Alpha-terpinol	5.925	121	3592	2.502	ppm		78
35) Nitrobenzene	5.252	77	11561	2.790	ppm		96
36) N-Nitrosopiperidine	5.396	42	6228	2.765	ppm		95
37) Isophorone	5.465	82	17643	2.554	ppm		96
38) 2-Nitrophenol	5.546	139	5093	2.375	ppm		95

1st DM 05/01/19
2nd BA 05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR840.D
Acq On : 30 Apr 2019 10:09 am
Operator : JMisiurewicz
Sample : 2.5 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 01 08:53:37 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39)	2,4-Dimethylphenol	5.588	107	9628	2.493	ppm		88
40)	bis(-2-Chloroethoxy)Me...	5.663	93	10254	2.524	ppm		94
42)	2,4-Dichlorophenol	5.791	162	7692	2.515	ppm		97
43)	a,a-Dimethylphenethyla...	5.775	58	19415m	2.517	ppm		
44)	1,2,4-Trichlorobenzene	5.845	180	8449	2.620	ppm		94
45)	Naphthalene	5.925	128	29976	2.675	ppm		98
46)	4-Chloroaniline	5.984	127	12563	2.679	ppm		85
47)	2,6-Dichlorophenol	5.989	162	7902	2.470	ppm		94
48)	Hexachlorobutadiene	6.021	225	4347	2.660	ppm		89
49)	Hexachloropropene	6.000	213	5301	2.596	ppm		82
50)	4-Chloro-3-methylphenol	6.470	107	7676m	2.517	ppm		
51)	N-N-di-n-butylamine	6.283	84	6465	2.668	ppm		97
52)	Caprolactam	6.304	113	3082	2.542	ppm		88
53)	p-Phenylenediamine	6.331	80	1861	2.324	ppm	#	58
54)	Safrole	6.496	162	7218	2.509	ppm		96
55)	2-Methylnaphthalene	6.587	142	19836	2.735	ppm		97
56)	1-Methylnaphthalene	6.683	142	18975	2.796	ppm		95
58)	Hexachlorocyclopentadiene	6.731	237	1472	2.268	ppm		75
59)	1,2,4,5-Tetrachloroben...	6.747	216	7691	2.520	ppm		99
60)	1,2,3,4-Tetrachloroben...	7.030	216	8340	2.595	ppm		95
61)	2,4,6-Trichlorophenol	6.875	196	4457	2.306	ppm		94
62)	2,4,5-Trichlorophenol	6.934	196	5123	2.464	ppm		95
64)	Isosafrole	7.004	104	3124	2.342	ppm		83
65)	1,1'-Biphenyl	7.041	154	24320	2.647	ppm		94
66)	2-Chloronaphthalene	7.068	162	17451	2.628	ppm		97
67)	2-Nitroaniline	7.180	65	4975	2.621	ppm	#	78
68)	1,4-Naphthoquinone	7.255	158	4619	2.216	ppm		91
69)	m-Dinitrobenzene	7.399	168	3443	2.639	ppm		94
70)	Acenaphthylene	7.474	152	27483	2.584	ppm		95
71)	Dimethyl phthalate	7.340	163	22107	2.848	ppm		95
72)	2,6-Dinitrotoluene	7.415	165	4427	2.512	ppm		91
73)	Acenaphthene	7.645	153	19297	2.608	ppm		95
74)	3-Nitroaniline	7.591	138	5046	2.491	ppm		87
76)	Dibenzofuran	7.815	168	23268	2.547	ppm		87
77)	2,4-Dinitrotoluene	7.815	165	5639	2.423	ppm		95
79)	Pentachlorobenzene	7.767	250	6343	2.593	ppm		96
80)	1-Napthylamine	7.901	143	12646	2.629	ppm		91
81)	2-Napthylamine	7.981	143	16172	2.638	ppm		95
82)	2,3,4,6-Tetrachlorophenol	7.954	232	3035	2.136	ppm		69
83)	Fluorene	8.152	166	20028	2.666	ppm		94
84)	4-Chlorophenyl-phenyle...	8.147	204	8043	2.654	ppm		96
85)	Diethylphthalate	8.029	149	20563	2.675	ppm		94
86)	4-Nitroaniline	8.200	138	4766	2.385	ppm		85
87)	5-Nitro-o-toluidine	8.179	152	5588	2.463	ppm		79
89)	Sulfotepp	8.414	322	2661	2.773	ppm		89
90)	Octachlorocyclopentene	8.392	307	2207	2.260	ppm	#	72
92)	Thionazin	8.109	107	3108	2.424	ppm		99
93)	4,6-Dinitro-2-methylph...	8.216	198	1915	1.520	ppm	#	60
94)	Diphenylamine	8.269	169	30114	5.215	ppm		96
95)	1,2 Diphenylhydrazine	8.302	77	19640	2.695	ppm		90
96)	N-Nitrosodiphenylamine	8.269	169	30114	5.215	ppm		96
97)	1,3,5-Trinirobenzene	8.590	74	2065	1.981	ppm	#	73
98)	Diallate	8.542	86	8796	2.986	ppm		98
99)	Phorate	8.553	121	3742	2.476	ppm		88
100)	Phenacetin	8.585	108	9575	2.514	ppm		97
101)	4-Bromophenyl-phenylether	8.633	248	4284	2.507	ppm	#	80

1st DM 05/01/19
2nd BA 05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR840.D
Acq On : 30 Apr 2019 10:09 am
Operator : JMisiurewicz
Sample : 2.5 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 01 08:53:37 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration

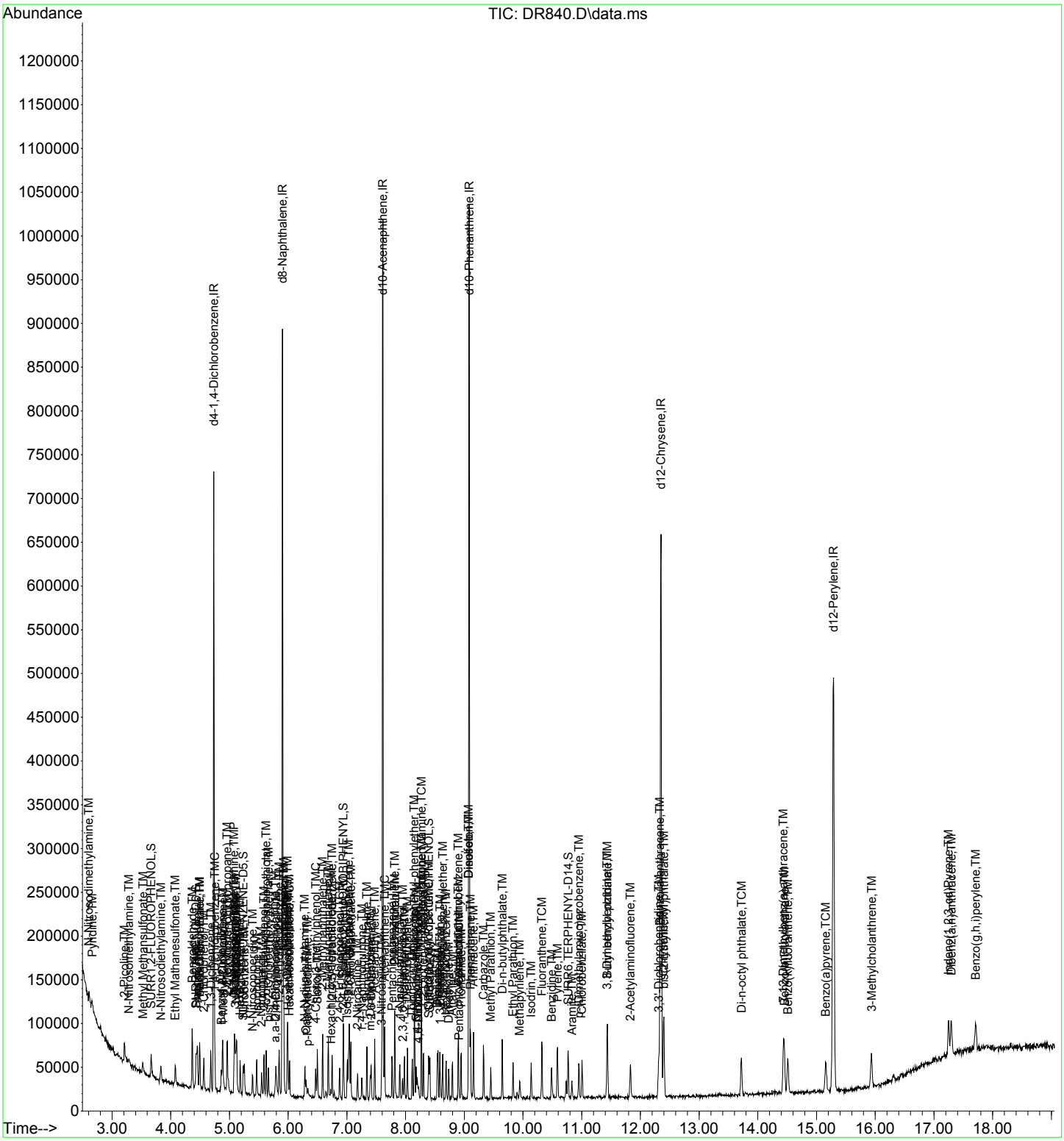
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
102) Hexachlorobenzene	8.691	284	5336	2.777	ppm		93
103) Dimethoate	8.734	87	6013	2.408	ppm		92
104) Atrazine	8.798	215	2478	2.652	ppm		89
105) Pentachlorophenol	8.910	266	549	4.035	ppm		88
106) 4-Aminobiphenyl	8.900	169	13920	2.372	ppm		95
107) Pentachloronitrobenzene	8.900	237	1649	2.323	ppm		86
108) Pronamide	8.948	173	7920	2.370	ppm		97
109) Dinoseb	9.071	211	2119	1.278	ppm	#	69
110) Disulfoton	9.071	88	13037	3.442	ppm		89
111) Phenanthrene	9.108	178	27356	2.647	ppm		95
112) Anthracene	9.156	178	26345	2.566	ppm		96
113) Carbazole	9.327	167	24783	2.457	ppm		95
114) Di-n-butylphthalate	9.647	149	31636	2.427	ppm		96
116) Fluoranthene	10.320	202	26070	2.464	ppm		96
118) Methyl Parathion	9.450	109	6006	2.580	ppm		85
119) Ethyl Parathion	9.829	97	4444	2.555	ppm		96
120) Methapyrilene	9.941	58	6664	2.634	ppm		91
121) Isodrin	10.139	193	2668	2.485	ppm		93
122) Benzidine	10.486	184	16409	2.382	ppm		90
123) Pyrene	10.588	202	25727	2.386	ppm		98
125) Aramite	10.833	185	3704m	2.507	ppm		
126) p-(Dimethylamino)azobe...	10.951	120	7604	2.374	ppm		97
127) Chlorobenzilate	11.004	139	9073	2.425	ppm		89
128) Butyl benzyl phthalate	11.437	149	15735	2.631	ppm		86
129) 3,3-Dimethylbenzidine	11.431	212	14983	2.285	ppm		99
130) 2-Acetylaminofluorene	11.827	181	11146	2.333	ppm		94
131) 3,3'-Dichlorobenzidine	12.313	252	9753	2.497	ppm		92
132) Benzo(a)anthracene	12.329	228	26022	2.610	ppm		93
133) Chrysene	12.393	228	24184	2.637	ppm		95
134) bis(2-Ethylhexyl)phtha...	12.403	149	20931	2.543	ppm		85
136) Di-n-octyl phthalate	13.723	149	35565	2.512	ppm		98
137) 7,12-Dimethylbenz(a)an...	14.433	256	10405	2.307	ppm		81
138) Benzo(b)Fluoranthene	14.454	252	26212	2.640	ppm		96
139) Benzo(k)fluoranthene	14.513	252	24151	2.568	ppm		97
140) Benzo(a)pyrene	15.154	252	20847	2.442	ppm		97
141) 3-Methylcholanthrene	15.939	268	12482	2.496	ppm		97
142) Indeno(1,2,3-cd)Pyrene	17.248	276	20220	2.415	ppm		94
143) Dibenz(a,h)anthracene	17.296	278	22715	2.589	ppm		96
144) Benzo(g,h,i)perylene	17.712	276	19696	2.729	ppm		98

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

1st DM 05/01/19
2nd BA 05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR840.D
Acq On : 30 Apr 2019 10:09 am
Operator : JMisiurewicz
Sample : 2.5 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 6 Sample Multiplier: 1

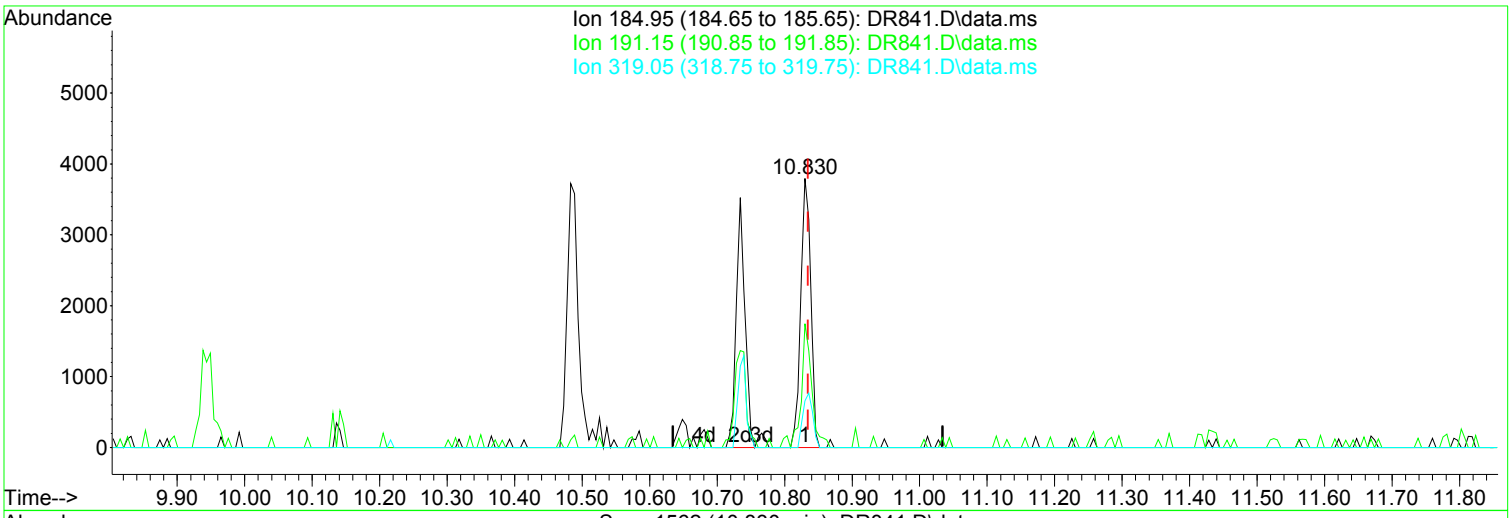
Quant Time: May 01 08:53:37 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration

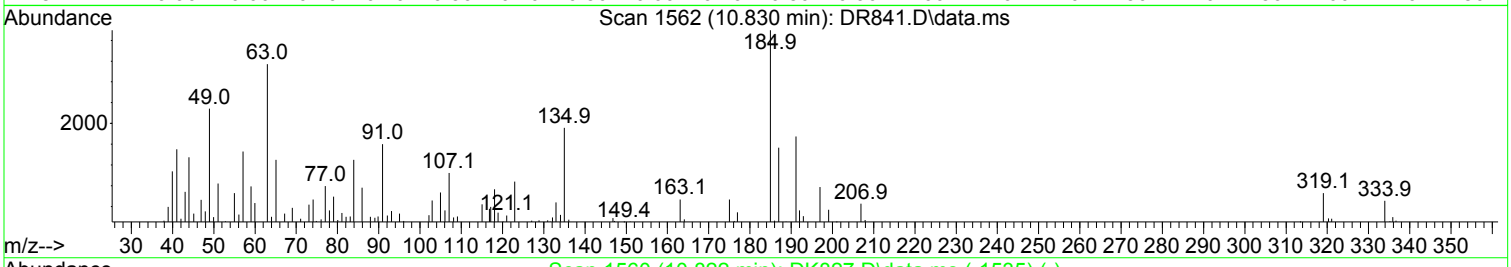


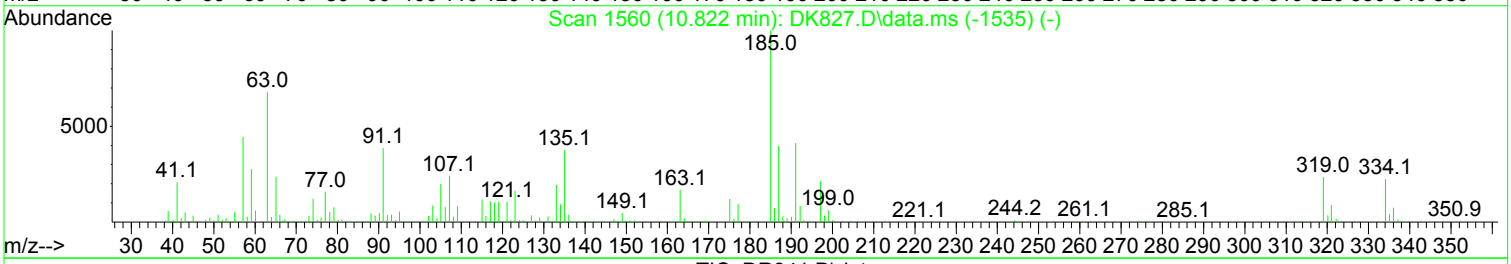
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR841.D
Acq On : 30 Apr 2019 10:38 am
Operator : JMisiurewicz
Sample : 5.0 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 01 08:53:42 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration







TIC: DR841.D\data.ms

(125) Aramite (TM)

10.830min (-0.005) 4.90 ppm m

response 7296

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	41.00	46.06
319.05	16.80	17.39
0.00	0.00	0.00

Manual Integration:

After

Split Peak.

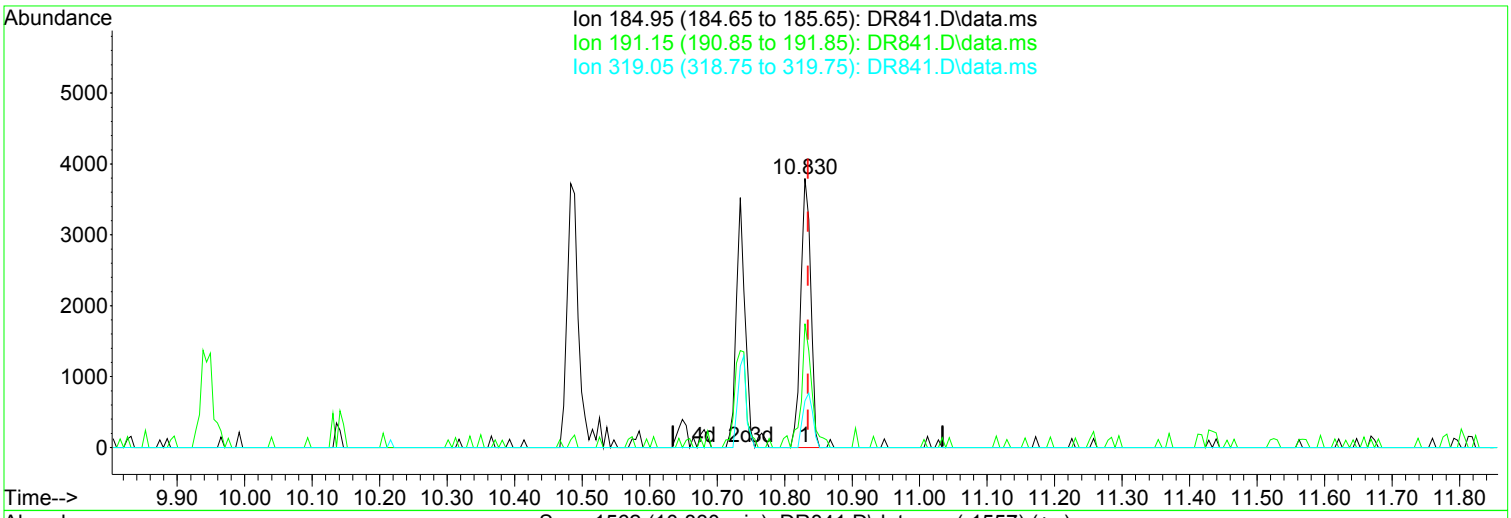
05/01/19

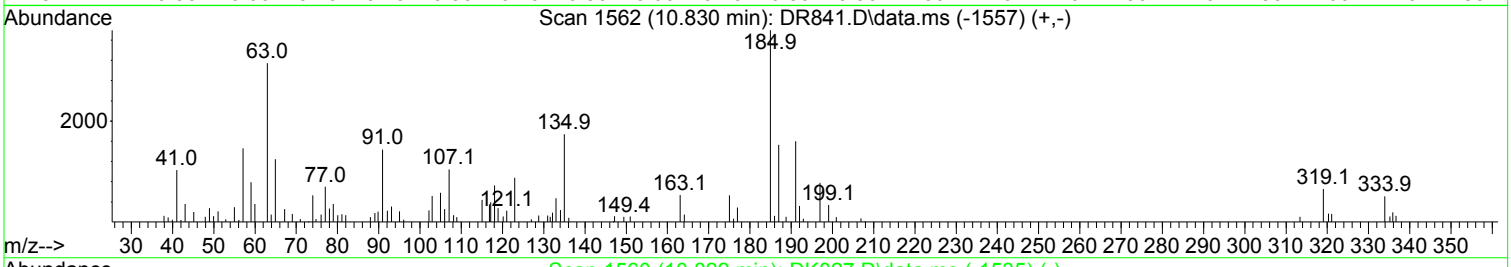
1st DM 05/01/19
2nd BA 05/01/19

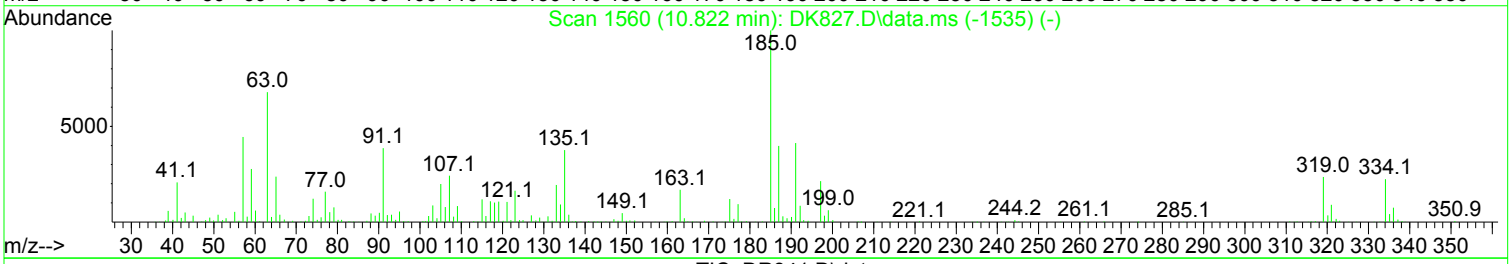
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR841.D
Acq On : 30 Apr 2019 10:38 am
Operator : JMisiurewicz
Sample : 5.0 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 01 08:53:42 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration







TIC: DR841.D\data.ms

(125) Aramite (TM)

10.830min (-0.005) 2.63 ppm

response 3923

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	41.00	42.11
319.05	16.80	17.39
0.00	0.00	0.00

Manual Integration:

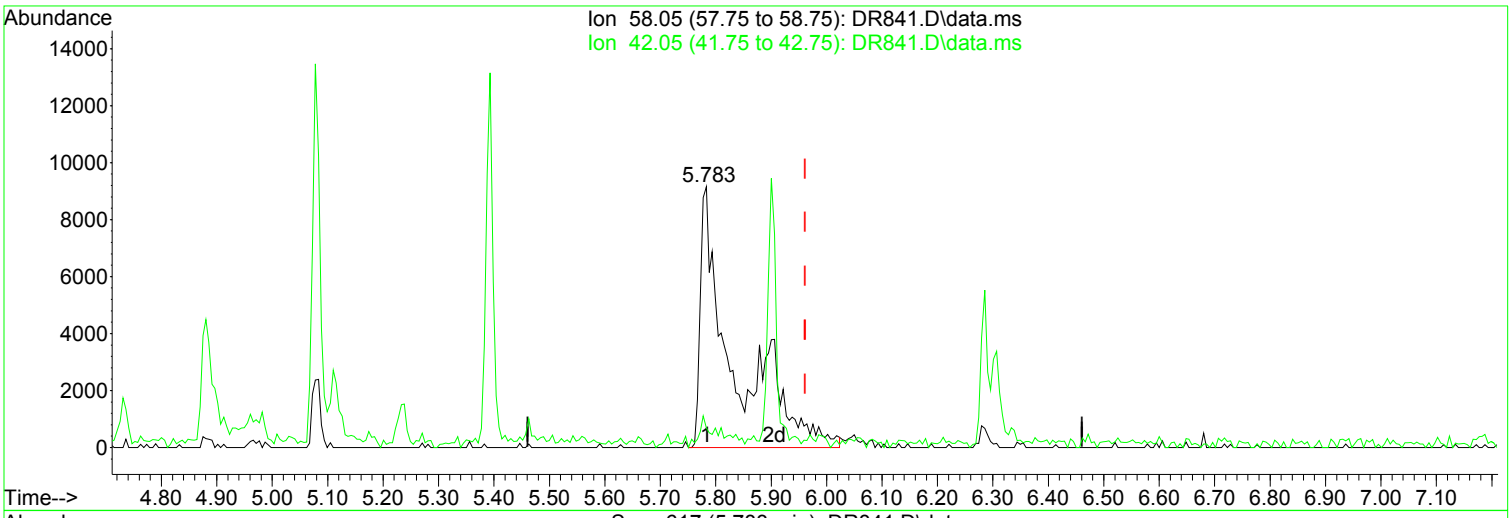
Before

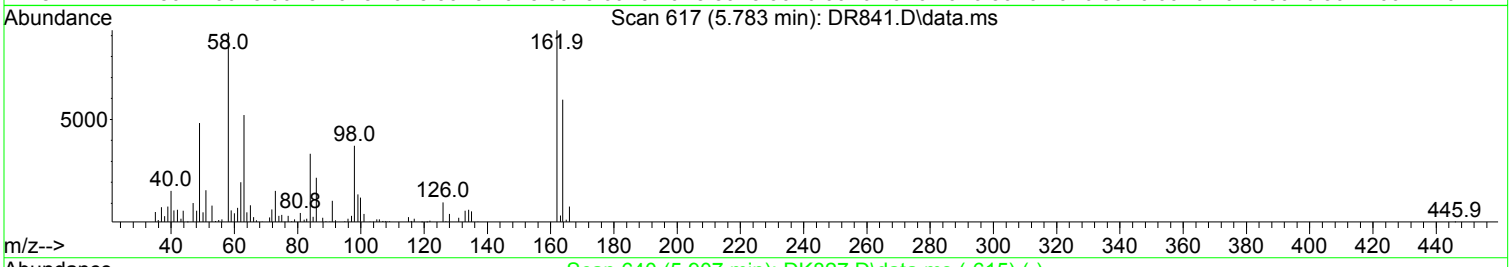
05/01/19

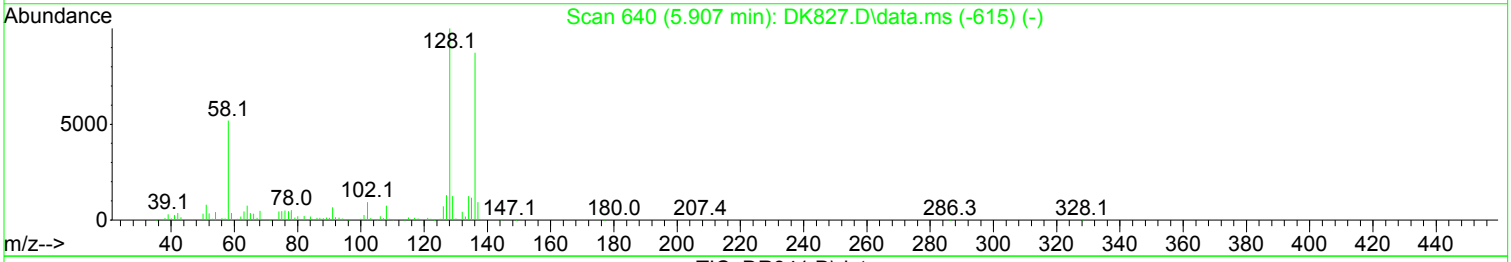
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR841.D
Acq On : 30 Apr 2019 10:38 am
Operator : JMisiurewicz
Sample : 5.0 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 01 08:53:42 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration







TIC: DR841.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

5.783min (-0.178) 4.87 ppm m

response 37152

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	30.40	7.51
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

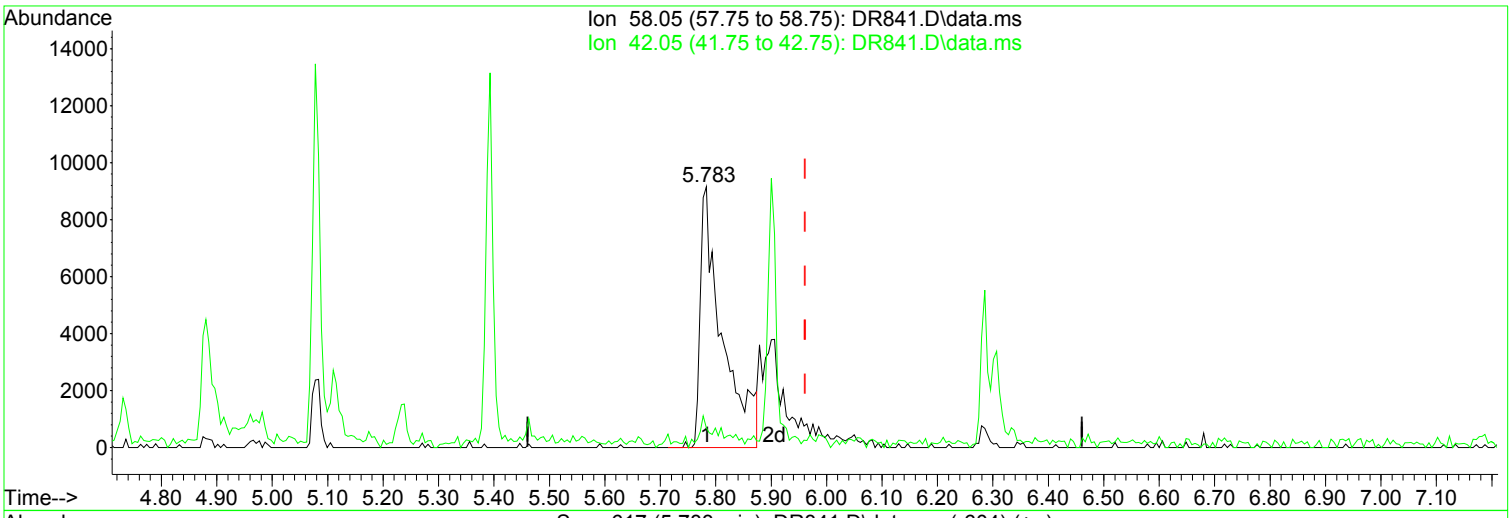
Poor integration.

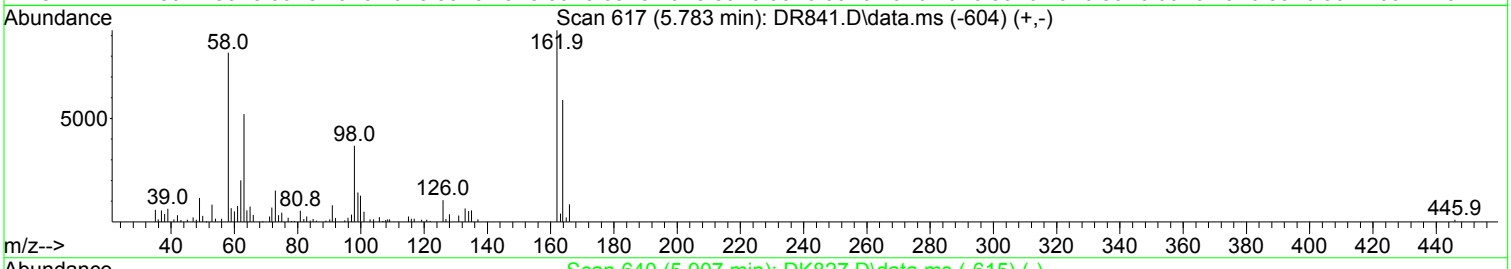
05/01/19

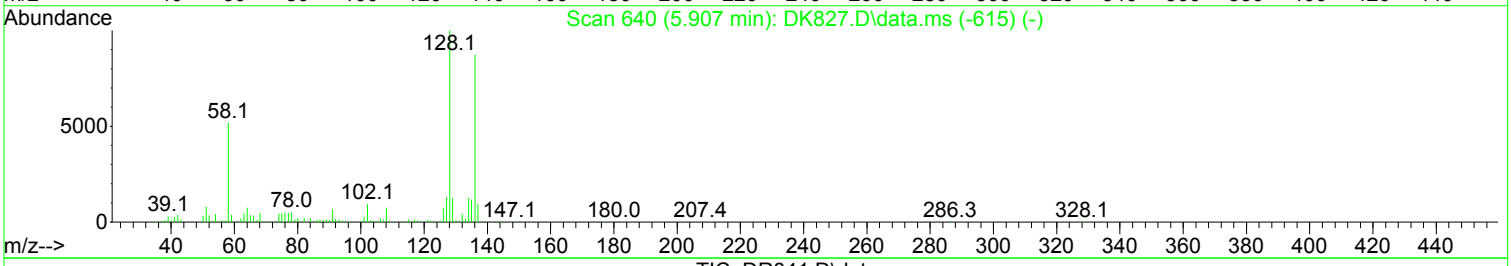
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR841.D
Acq On : 30 Apr 2019 10:38 am
Operator : JMisiurewicz
Sample : 5.0 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 01 08:53:42 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration







TIC: DR841.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

5.783min (-0.178) 3.27 ppm

response 24966

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	30.40	4.07
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

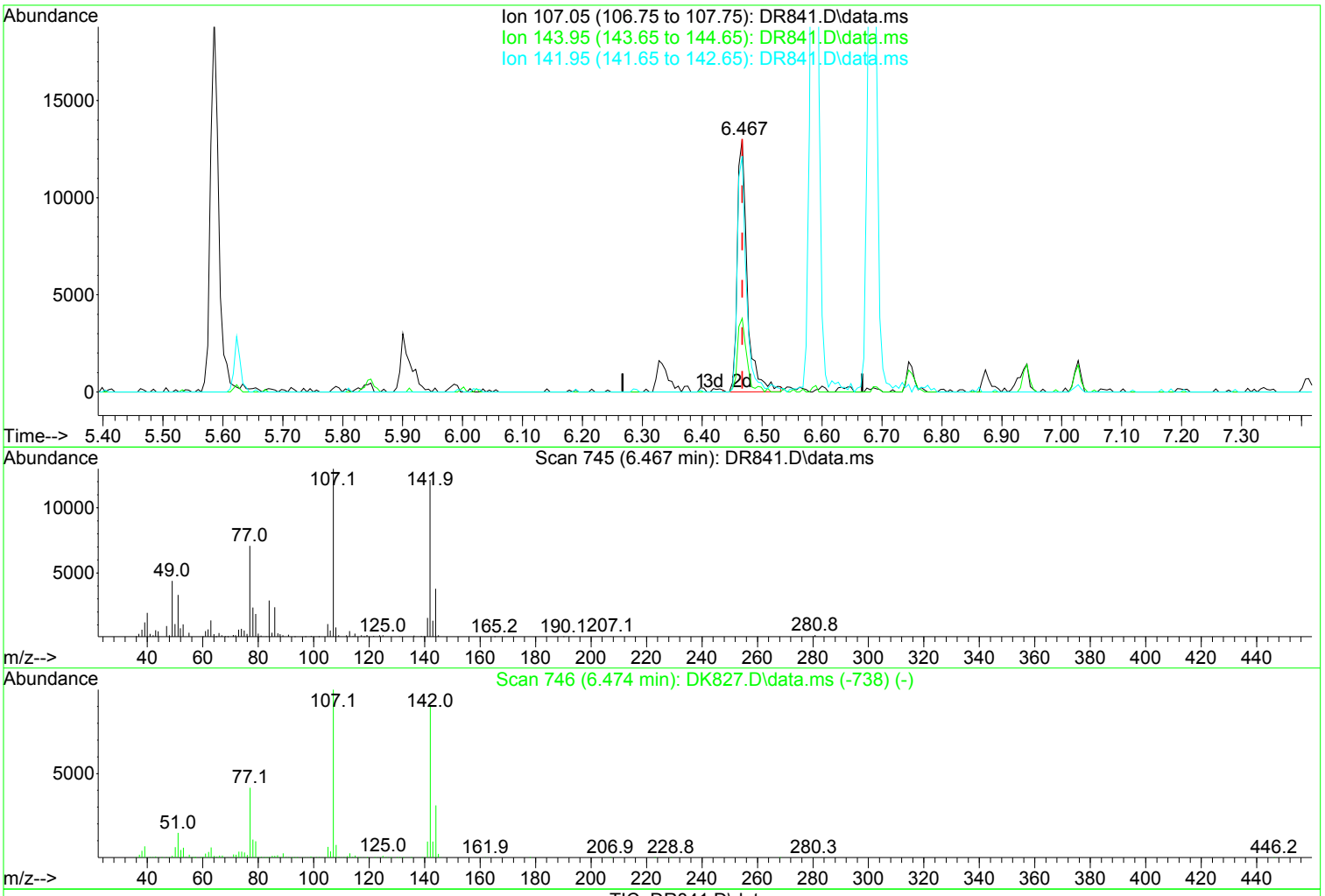
Before

05/01/19

1st DM 05/01/19
2nd BA 05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR841.D
Acq On : 30 Apr 2019 10:38 am
Operator : JMisiurewicz
Sample : 5.0 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 01 08:53:42 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



TIC: DR841.D\data.ms

(50) 4-Chloro-3-methylphenol (TMC)

6.467min (-0.001) 4.96 ppm m

response 14966

Ion	Exp%	Act%
107.05	100.00	100.00
143.95	28.90	29.18
141.95	49.90	93.32#
0.00	0.00	0.00

Manual Integration:

After

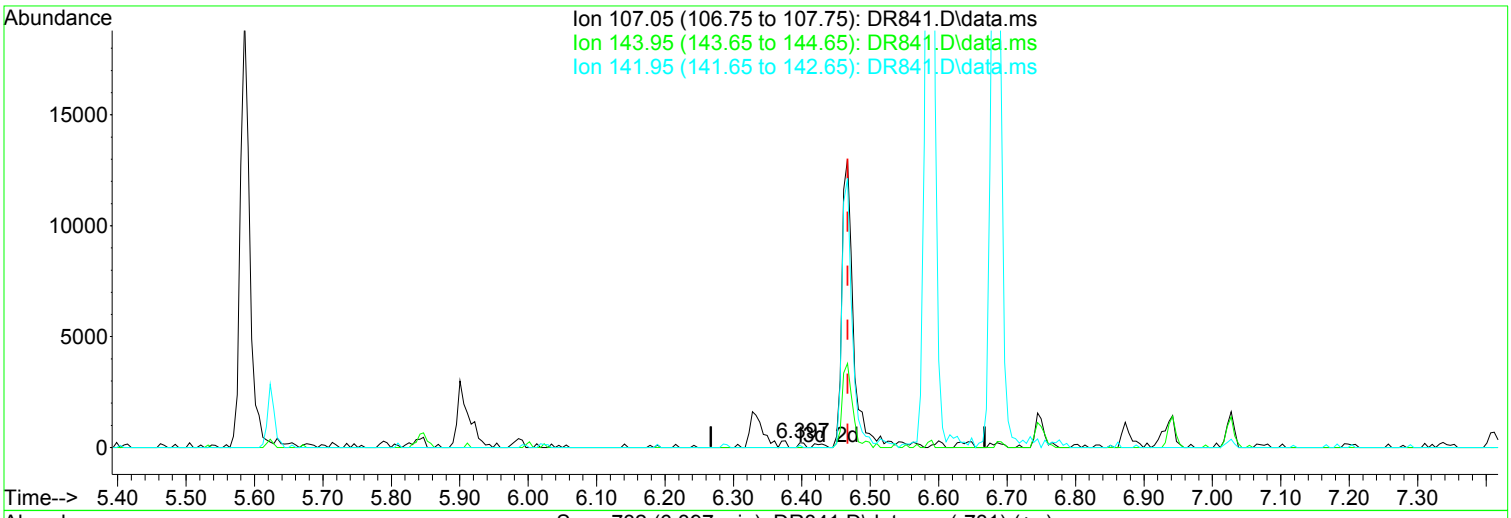
Peak not found.

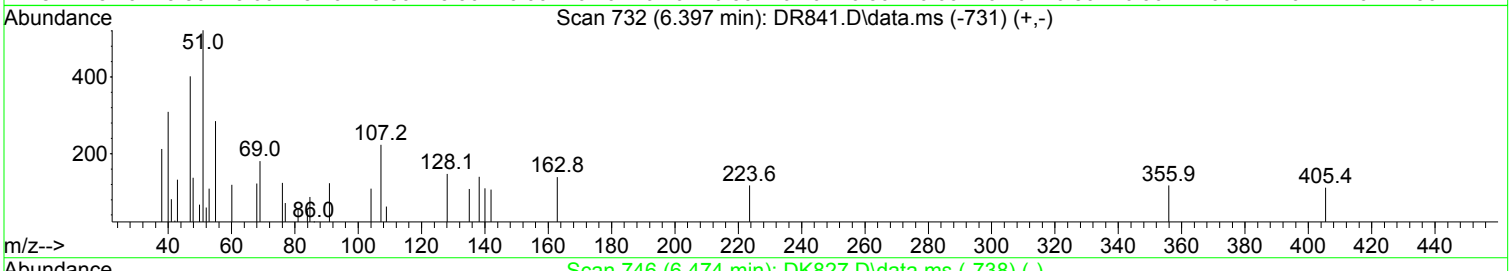
05/01/19

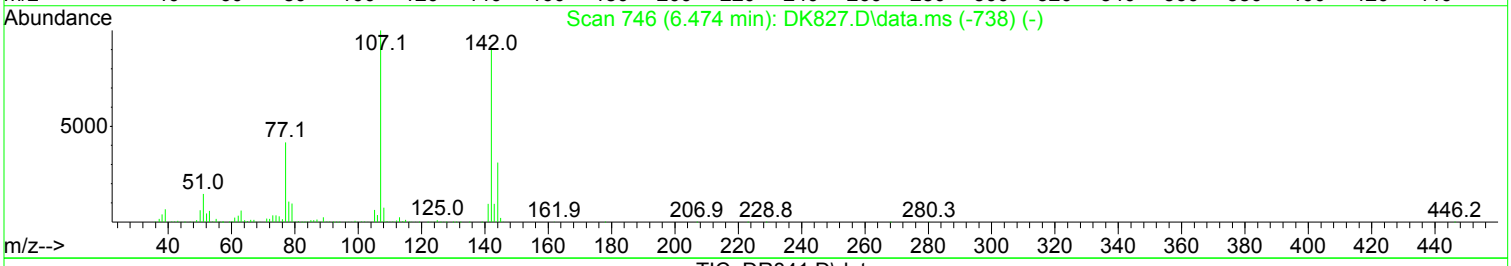
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR841.D
Acq On : 30 Apr 2019 10:38 am
Operator : JMisiurewicz
Sample : 5.0 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 01 08:53:42 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration







TIC: DR841.D\data.ms

(50) 4-Chloro-3-methylphenol (TMC)

6.397min (-0.070) 0.04 ppm

response 135

Ion	Exp%	Act%
107.05	100.00	100.00
143.95	28.90	0.00
141.95	49.90	47.53
0.00	0.00	0.00

Manual Integration:

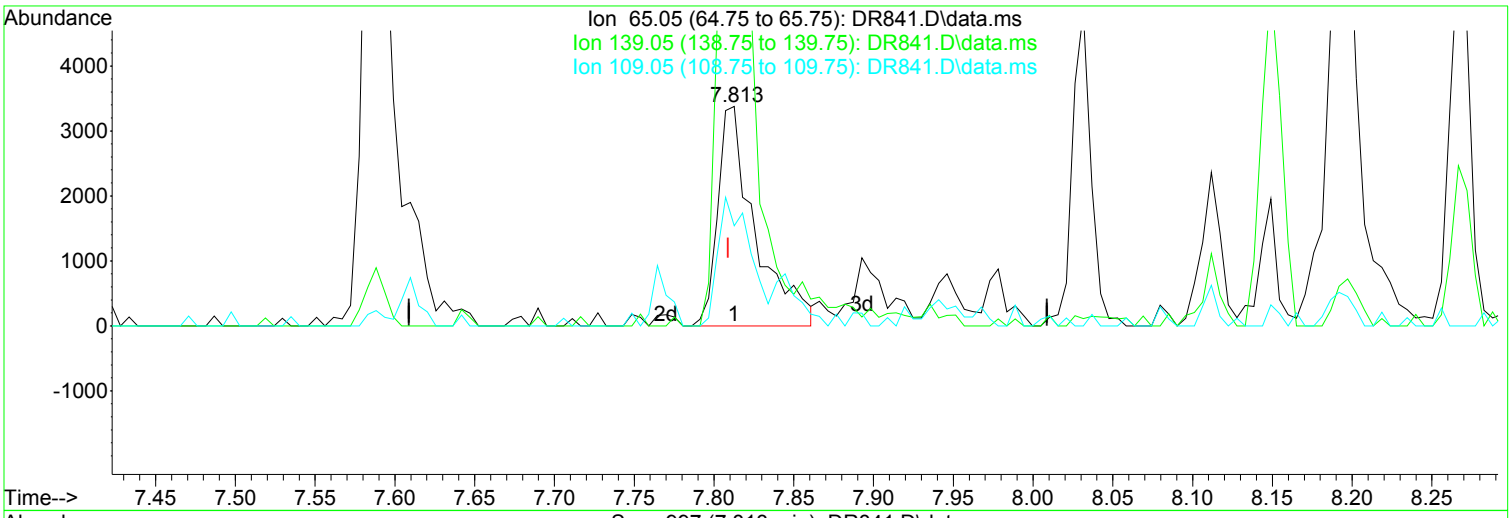
Before

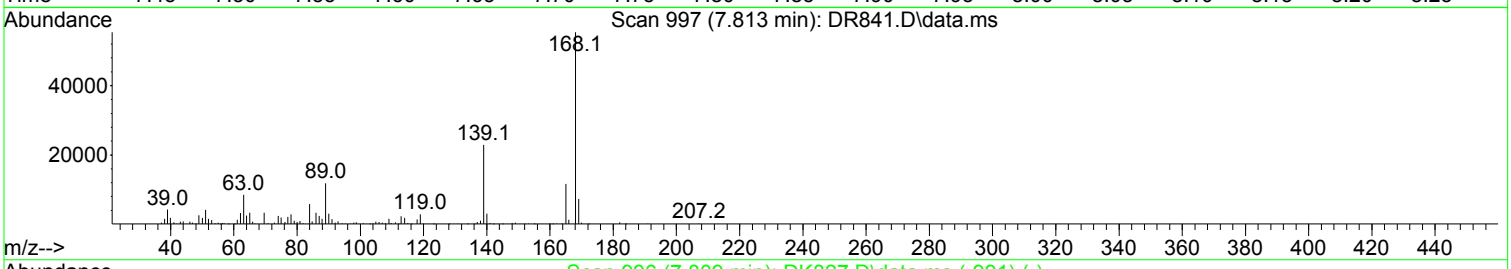
05/01/19

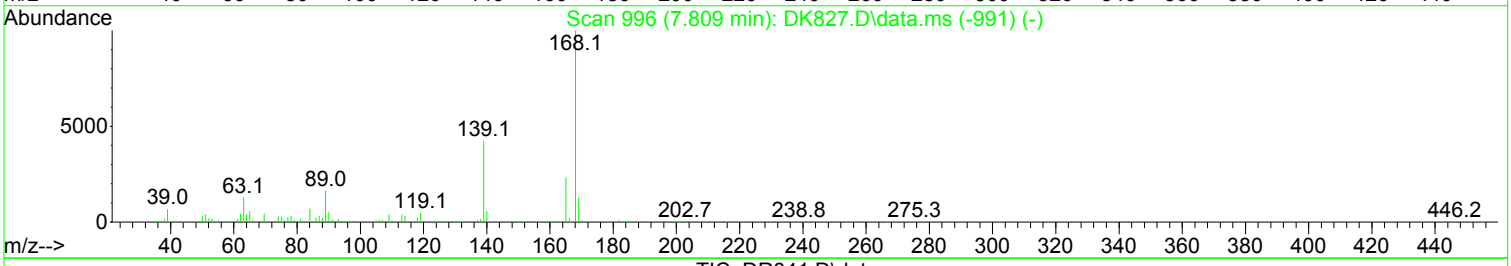
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR841.D
Acq On : 30 Apr 2019 10:38 am
Operator : JMisiurewicz
Sample : 5.0 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 01 08:53:42 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration







TIC: DR841.D\data.ms

(78) 4-Nitrophenol (TMP)

7.813min (+ 0.004) 4.17 ppm m

response 5503

Ion	Exp%	Act%
65.05	100.00	100.00
139.05	423.70	677.25#
109.05	68.90	45.65
0.00	0.00	0.00

Manual Integration:

After

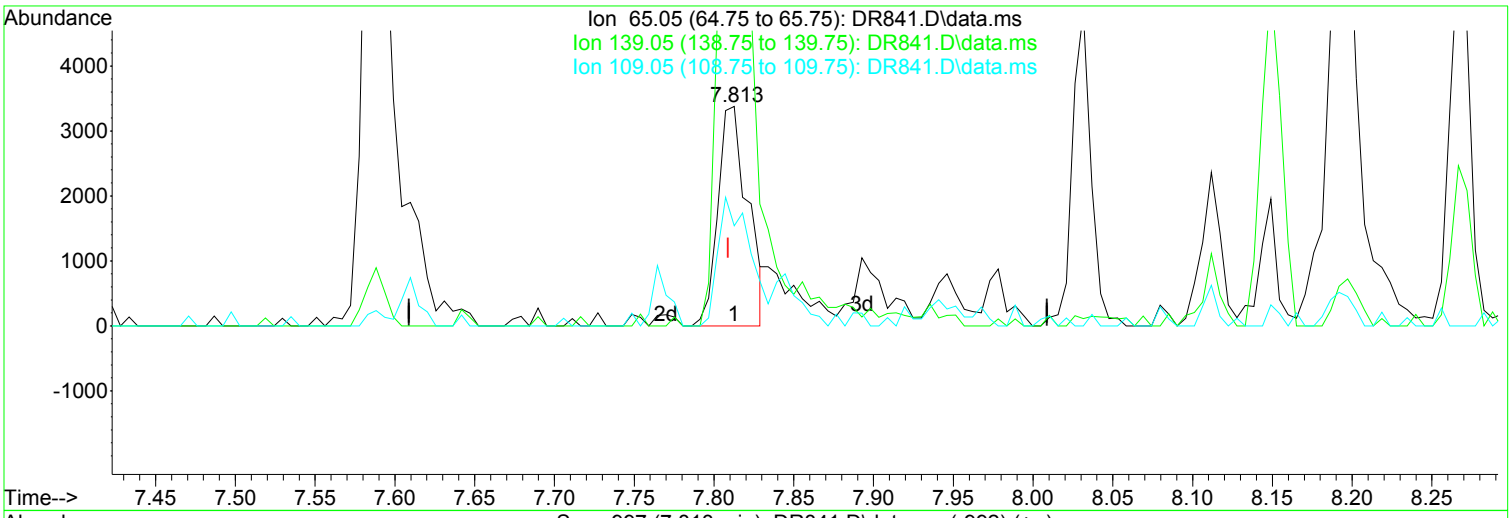
Poor integration.

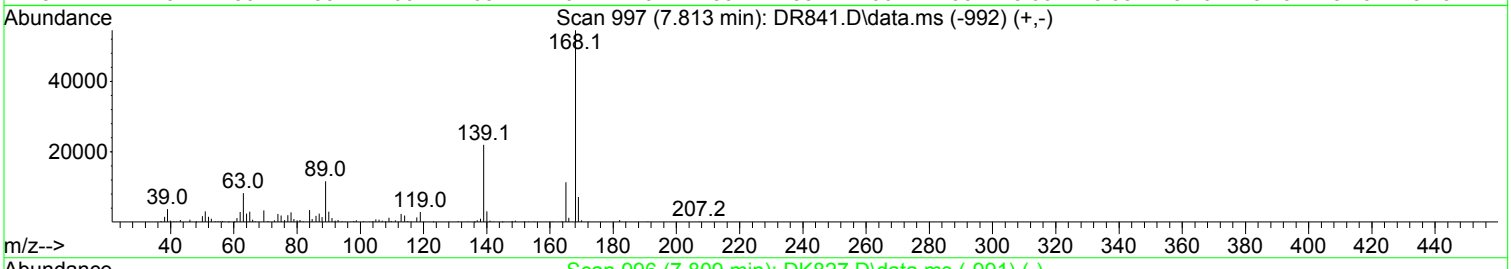
05/01/19

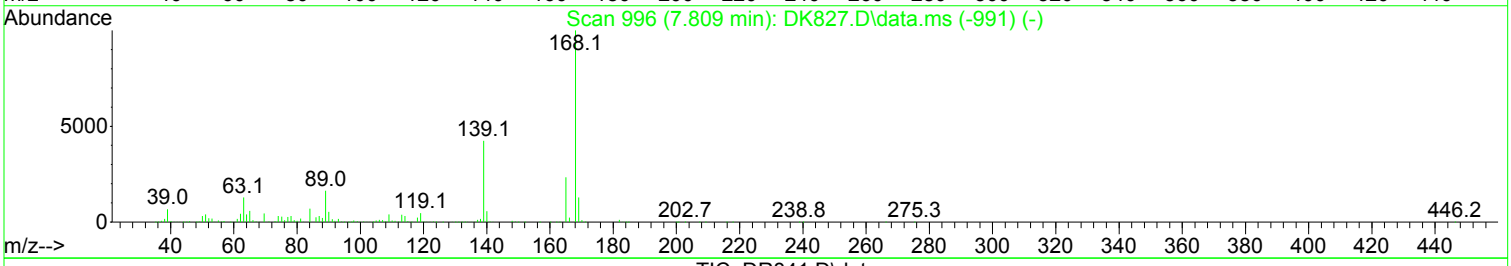
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR841.D
Acq On : 30 Apr 2019 10:38 am
Operator : JMisiurewicz
Sample : 5.0 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 01 08:53:42 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration







TIC: DR841.D\data.ms

(78) 4-Nitrophenol (TMP)

7.813min (+ 0.004) 3.31 ppm

response 4368

Ion	Exp%	Act%
65.05	100.00	100.00
139.05	423.70	750.52#
109.05	68.90	54.48
0.00	0.00	0.00

Manual Integration:

Before

05/01/19

1st DM 05/01/19
2nd BA 05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR841.D
Acq On : 30 Apr 2019 10:38 am
Operator : JMisiurewicz
Sample : 5.0 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 01 08:53:42 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) d4-1,4-Dichlorobenzene	4.731	152	107680	40.00	ppm		0.00
33) d8-Naphthalene	5.901	136	402250	40.00	ppm		0.00
57) d10-Acenaphthene	7.610	164	202008	40.00	ppm		0.00
91) d10-Phenanthrene	9.084	188	315533	40.00	ppm		0.00
117) d12-Chrysene	12.352	240	296135	40.00	ppm		0.00
135) d12-Perylene	15.290	264	302163	40.00	ppm		0.00
System Monitoring Compounds							
7) SURR1,2-FLUOROPHENOL	3.663	112	19693	5.03	ppm		0.00
Spiked Amount 100.000	Range 10 - 70		Recovery = 5.03%#				
12) SURR2,PHENOL-D6	4.426	99	23783	4.94	ppm		0.00
Spiked Amount 100.000	Range 10 - 107		Recovery = 4.94%#				
34) SURR4,NITROBENZENE-D5	5.233	82	20943	5.13	ppm		0.00
Spiked Amount 50.000	Range 31 - 110		Recovery = 10.26%#				
63) SURR5,2-FLUOROBIPHENYL	6.942	172	40231	5.24	ppm		0.00
Spiked Amount 50.000	Range 31 - 118		Recovery = 10.48%#				
88) SURR3,2,4,6-TRIBROMOPH...	8.395	330	3916	4.73	ppm		0.00
Spiked Amount 100.000	Range 35 - 141		Recovery = 4.73%#				
124) SURR6,TERPHENYL-D14	10.766	244	34360	4.93	ppm		0.00
Spiked Amount 50.000	Range 10 - 165		Recovery = 9.86%#				
Target Compounds							Qvalue
2) Pyridine	2.637	79	21419	5.182	ppm		94
3) N-Nitrosodimethylamine	2.600	74	10813	4.301	ppm		87
4) 2-Picoline	3.209	93	21435	5.012	ppm		95
5) N-Nitrosomethylamine	3.283	42	8303	4.776	ppm	#	73
6) Methyl Methansulfonate	3.524	80	9939	5.102	ppm		86
8) N-Nitrosodiethylamine	3.833	102	8958	4.691	ppm		90
9) Ethyl Mathanesulfonate	4.074	79	15868	4.820	ppm		87
10) Benzaldehyde	4.362	106	28046	10.182	ppm		100
11) Aniline	4.453	93	30721	5.003	ppm		98
13) Phenol	4.437	94	26166	4.972	ppm		94
14) bis(2-Clethyl)Ether	4.496	93	17614	4.837	ppm		91
15) Pentachloroethane	4.490	117	7298	4.978	ppm		95
16) 2-Chlorophenol	4.560	128	19686	4.762	ppm		94
17) 1,3-Diclbenzene	4.683	146	22167	5.153	ppm		97
18) 1,4-Dichlorobenzene	4.747	146	22452	5.100	ppm		96
19) 1,2-Diclbenzene	4.880	146	21300	5.064	ppm		96
20) Benzyl Alcohol	4.859	79	12859	4.593	ppm		95
21) 1-Methyl-2-pyrrolidinone	4.880	99	12499	4.885	ppm		97
22) 2,2'-oxybis(1-Chloropr...	4.960	45	19339	5.527	ppm	#	63
23) 2-Methylphenol	4.960	108	18359	4.950	ppm		94
24) 3+4-Methylphenol	5.105	108	20094	4.788	ppm		99
25) Acetophenone	5.089	105	27640	5.303	ppm		98
26) N-Nitroso-Di-n-propyla...	5.078	70	13705	4.875	ppm		97
27) N-Nitrosopyrrolidine	5.083	100	10242	5.010	ppm		94
28) N-Nitrosomorpholine	5.110	56	10432	5.184	ppm		94
29) o-Toluidine	5.121	106	31153	5.382	ppm		81
30) Hexachloroethane	5.179	117	8685	5.125	ppm		86
31) o,o,o-Triethylphosphor...	5.623	198	8641	4.896	ppm		88
32) Alpha-terpinol	5.922	121	7343	5.340	ppm		93
35) Nitrobenzene	5.254	77	21051	5.135	ppm		99
36) N-Nitrosopiperidine	5.393	42	11074	4.969	ppm		95
37) Isophorone	5.463	82	35984	5.266	ppm		99
38) 2-Nitrophenol	5.548	139	10209	4.813	ppm		93

1st DM 05/01/19
2nd BA 05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR841.D
Acq On : 30 Apr 2019 10:38 am
Operator : JMisiurewicz
Sample : 5.0 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 01 08:53:42 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) 2,4-Dimethylphenol	5.585	107	19020	4.979	ppm		93
40) bis(-2-Chloroethoxy)Me...	5.660	93	21942	5.461	ppm		95
42) 2,4-Dichlorophenol	5.788	162	14343	4.740	ppm		96
43) a,a-Dimethylphenethyla...	5.783	58	37152m	4.870	ppm		
44) 1,2,4-Trichlorobenzene	5.842	180	16483	5.167	ppm		96
45) Naphthalene	5.922	128	57722	5.206	ppm		99
46) 4-Chloroaniline	5.981	127	23188	4.998	ppm		96
47) 2,6-Dichlorophenol	5.986	162	16286	5.147	ppm		90
48) Hexachlorobutadiene	6.023	225	8202	5.074	ppm		98
49) Hexachloropropene	5.997	213	9986	4.944	ppm		95
50) 4-Chloro-3-methylphenol	6.467	107	14966m	4.961	ppm		
51) N-N-di-n-butylamine	6.285	84	11913	4.971	ppm		97
52) Caprolactam	6.306	113	6449	5.377	ppm		77
53) p-Phenylenediamine	6.328	80	4067	5.135	ppm	#	72
54) Safrole	6.499	162	14151	4.973	ppm		95
55) 2-Methylnaphthalene	6.589	142	37260	5.193	ppm		97
56) 1-Methylnaphthalene	6.686	142	34539	5.145	ppm		98
58) Hexachlorocyclopentadiene	6.728	237	3707	3.975	ppm		100
59) 1,2,4,5-Tetrachloroben...	6.750	216	15624	5.255	ppm		98
60) 1,2,3,4-Tetrachloroben...	7.027	216	16165	5.163	ppm		95
61) 2,4,6-Trichlorophenol	6.873	196	8903	4.728	ppm		90
62) 2,4,5-Trichlorophenol	6.931	196	10089	4.981	ppm		95
64) Isosafrole	7.006	104	6348	4.886	ppm		89
65) 1,1'-Biphenyl	7.043	154	45697	5.106	ppm		100
66) 2-Chloronaphthalene	7.065	162	32594	5.039	ppm		98
67) 2-Nitroaniline	7.177	65	9331	5.047	ppm		85
68) 1,4-Naphthoquinone	7.252	158	9895	4.873	ppm		80
69) m-Dinitrobenzene	7.396	168	6328	4.980	ppm		81
70) Acenaphthylene	7.476	152	51818	5.002	ppm		98
71) Dimethyl phthalate	7.343	163	39205	5.184	ppm		99
72) 2,6-Dinitrotoluene	7.412	165	8454	4.924	ppm		93
73) Acenaphthene	7.642	153	36331	5.041	ppm		96
74) 3-Nitroaniline	7.588	138	9816	4.974	ppm		94
75) 2,4-Dinitrophenol	7.711	184	1119	4.551	ppm		67
76) Dibenzofuran	7.813	168	45697	5.135	ppm		96
77) 2,4-Dinitrotoluene	7.813	165	10774	4.752	ppm		81
78) 4-Nitrophenol	7.813	65	5503m	4.172	ppm		
79) Pentachlorobenzene	7.770	250	11556	4.850	ppm		96
80) 1-Napthylamine	7.898	143	24762	5.284	ppm		99
81) 2-Napthylamine	7.978	143	31751	5.317	ppm		98
82) 2,3,4,6-Tetrachlorophenol	7.946	232	5430	3.923	ppm		91
83) Fluorene	8.149	166	38134	5.212	ppm		99
84) 4-Chlorophenyl-phenyle...	8.149	204	15152	5.133	ppm		99
85) Diethylphthalate	8.032	149	38614	5.156	ppm		97
86) 4-Nitroaniline	8.197	138	9286	4.770	ppm		98
87) 5-Nitro-o-toluidine	8.181	152	11237	5.085	ppm		93
89) Sulfotepp	8.416	322	4652	4.977	ppm		71
90) Octachlorocyclopentene	8.389	307	5160	5.423	ppm		84
92) Thionazin	8.112	107	6632	5.357	ppm		88
93) 4,6-Dinitro-2-methylph...	8.219	198	3447	2.834	ppm	#	57
94) Diphenylamine	8.267	169	58971	10.576	ppm		100
95) 1,2 Diphenylhydrazine	8.304	77	39152	5.564	ppm		96
96) N-Nitrosodiphenylamine	8.267	169	58971	10.576	ppm		100
97) 1,3,5-Trinirobenzene	8.582	74	4601	4.572	ppm		88
98) Diallate	8.539	86	16096	5.660	ppm		98
99) Phorate	8.555	121	8683	5.950	ppm	#	75

1st DM 05/01/19
2nd BA 05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR841.D
Acq On : 30 Apr 2019 10:38 am
Operator : JMisiurewicz
Sample : 5.0 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 01 08:53:42 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration

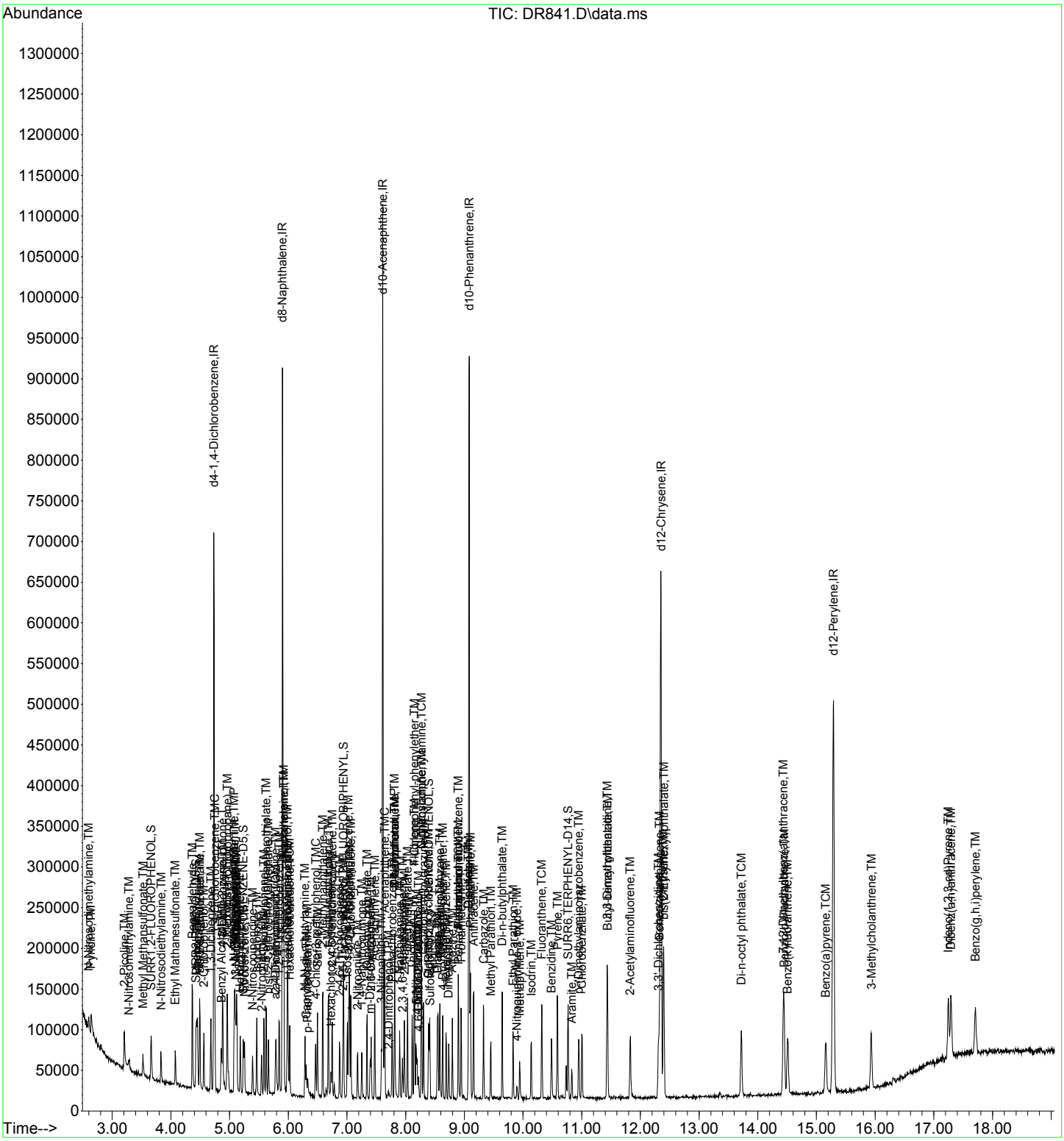
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
100) Phenacetin	8.582	108	18443	5.016	ppm		99
101) 4-Bromophenyl-phenylether	8.635	248	8848	5.363	ppm		87
102) Hexachlorobenzene	8.689	284	9436	5.086	ppm		93
103) Dimethoate	8.731	87	13122	5.443	ppm		97
104) Atrazine	8.795	215	4511	5.000	ppm		90
105) Pentachlorophenol	8.902	266	1252	5.256	ppm	#	69
106) 4-Aminobiphenyl	8.897	169	28747	5.074	ppm		93
107) Pentachloronitrobenzene	8.897	237	3129	4.565	ppm		78
108) Pronamide	8.945	173	14975	4.642	ppm		95
109) Dinoseb	9.068	211	4810	3.005	ppm		92
110) Disulfoton	9.068	88	20588	5.629	ppm		90
111) Phenanthrene	9.105	178	49785	4.989	ppm		100
112) Anthracene	9.159	178	50145	5.058	ppm		95
113) Carbazole	9.329	167	48414	4.971	ppm		96
114) Di-n-butylphthalate	9.645	149	61218	4.863	ppm		99
115) 4-Nitroquinonline-1-oxide	9.896	190	1352	2.291	ppm		73
116) Fluoranthene	10.318	202	47060	4.607	ppm		98
118) Methyl Parathion	9.452	109	12089	5.149	ppm		90
119) Ethyl Parathion	9.832	97	8007	4.565	ppm		96
120) Methapyrilene	9.944	58	13271	5.201	ppm		96
121) Isodrin	10.141	193	5146	4.753	ppm		96
122) Benzidine	10.483	184	32654	4.699	ppm		98
123) Pyrene	10.585	202	52540	4.832	ppm		97
125) Aramite	10.830	185	7296m	4.896	ppm		
126) p-(Dimethylamino)azobe...	10.948	120	14597	4.518	ppm		99
127) Chlorobenzilate	11.001	139	18537	4.912	ppm		90
128) Butyl benzyl phthalate	11.439	149	30096	4.989	ppm		95
129) 3,3-Dimethylbenzidine	11.434	212	31410	4.749	ppm		99
130) 2-Acetylaminofluorene	11.824	181	23444	4.866	ppm		94
131) 3,3'-Dichlorobenzidine	12.310	252	18580	4.717	ppm		95
132) Benzo(a)anthracene	12.326	228	49492	4.922	ppm		98
133) Chrysene	12.395	228	45808	4.952	ppm		96
134) bis(2-Ethylhexyl)phtha...	12.401	149	39931	4.810	ppm		98
136) Di-n-octyl phthalate	13.720	149	67150	4.683	ppm		99
137) 7,12-Dimethylbenz(a)an...	14.436	256	23404	5.124	ppm		93
138) Benzo(b)Fluoranthene	14.452	252	49069	4.880	ppm		98
139) Benzo(k)fluoranthene	14.505	252	46635	4.897	ppm		97
140) Benzo(a)pyrene	15.157	252	42505	4.915	ppm		98
141) 3-Methylcholanthrene	15.936	268	24191	4.776	ppm		96
142) Indeno(1,2,3-cd)Pyrene	17.245	276	42682	5.033	ppm		93
143) Dibenz(a,h)anthracene	17.288	278	45300	5.098	ppm		99
144) Benzo(g,h,i)perylene	17.710	276	37157	5.084	ppm		97

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

1st DM 05/01/19
2nd BA 05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR841.D
Acq On : 30 Apr 2019 10:38 am
Operator : JMisiurewicz
Sample : 5.0 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 7 Sample Multiplier: 1

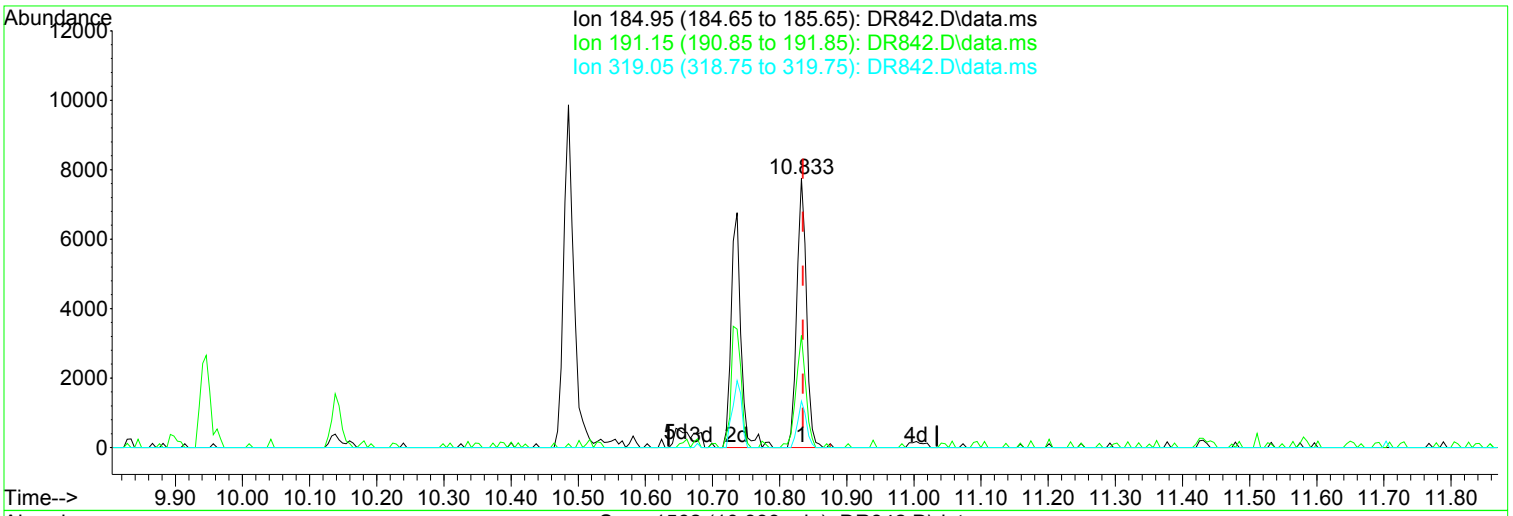
Quant Time: May 01 08:53:42 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration

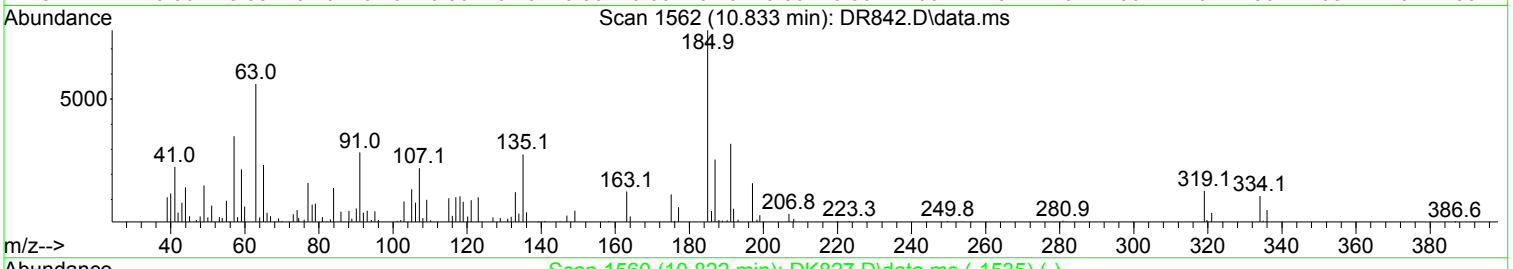


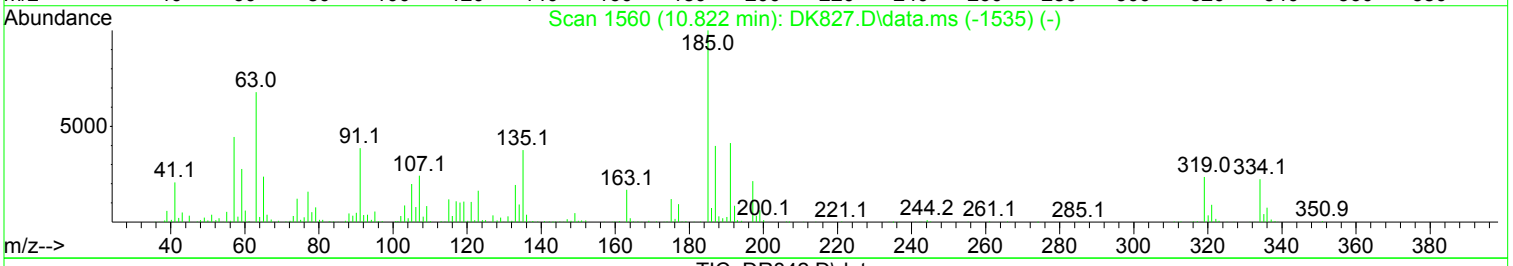
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR842.D
Acq On : 30 Apr 2019 11:08 am
Operator : JMisiurewicz
Sample : 10 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 01 08:53:47 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration







TIC: DR842.D\data.ms

(125) Aramite (TM)

10.833min (-0.002) 9.67 ppm m

response 14625

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	41.00	41.59
319.05	16.80	17.26
0.00	0.00	0.00

Manual Integration:

After

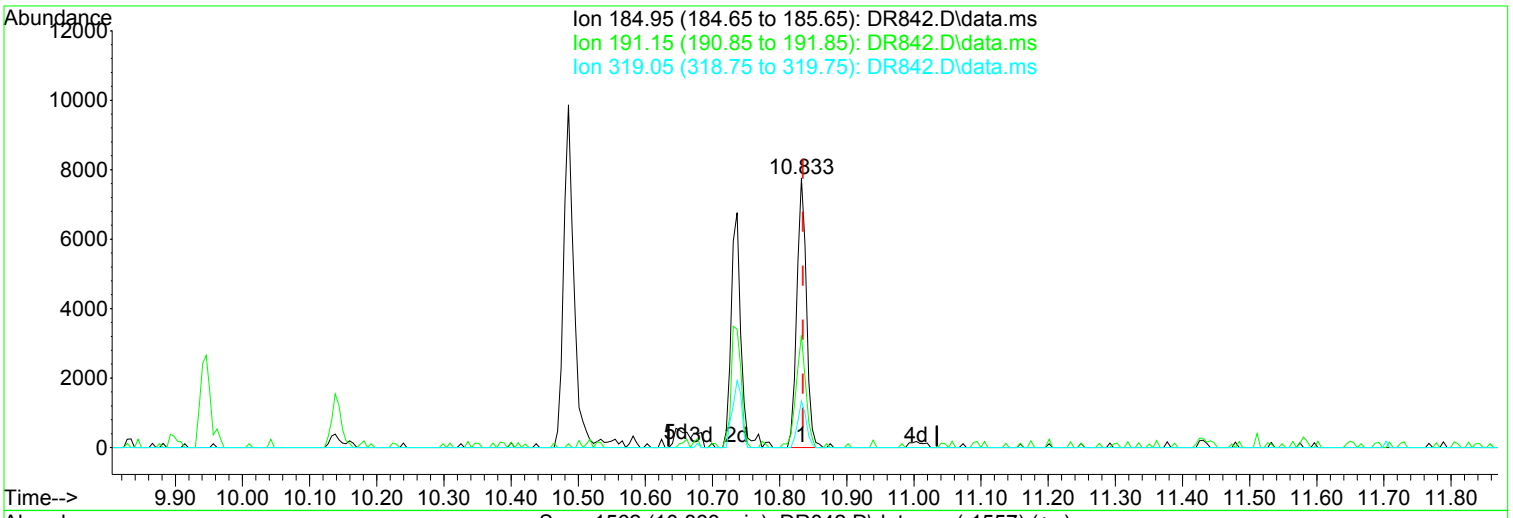
Split Peak.

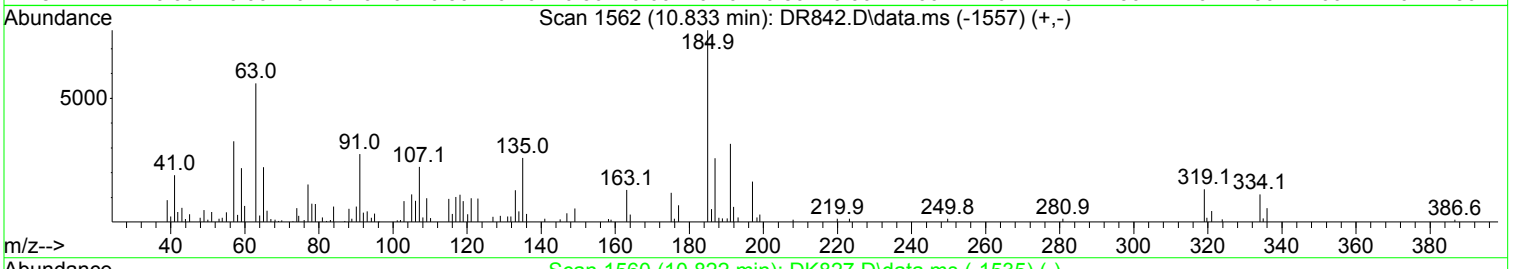
05/01/19

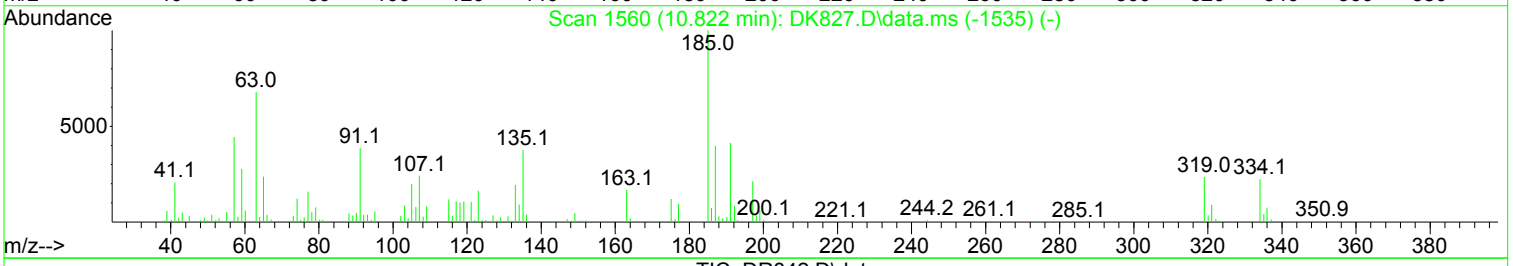
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR842.D
Acq On : 30 Apr 2019 11:08 am
Operator : JMisiurewicz
Sample : 10 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 01 08:53:47 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration







TIC: DR842.D\data.ms

(125) Aramite (TM)

10.833min (-0.002) 5.09 ppm

response 7700

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	41.00	40.20
319.05	16.80	19.66
0.00	0.00	0.00

Manual Integration:

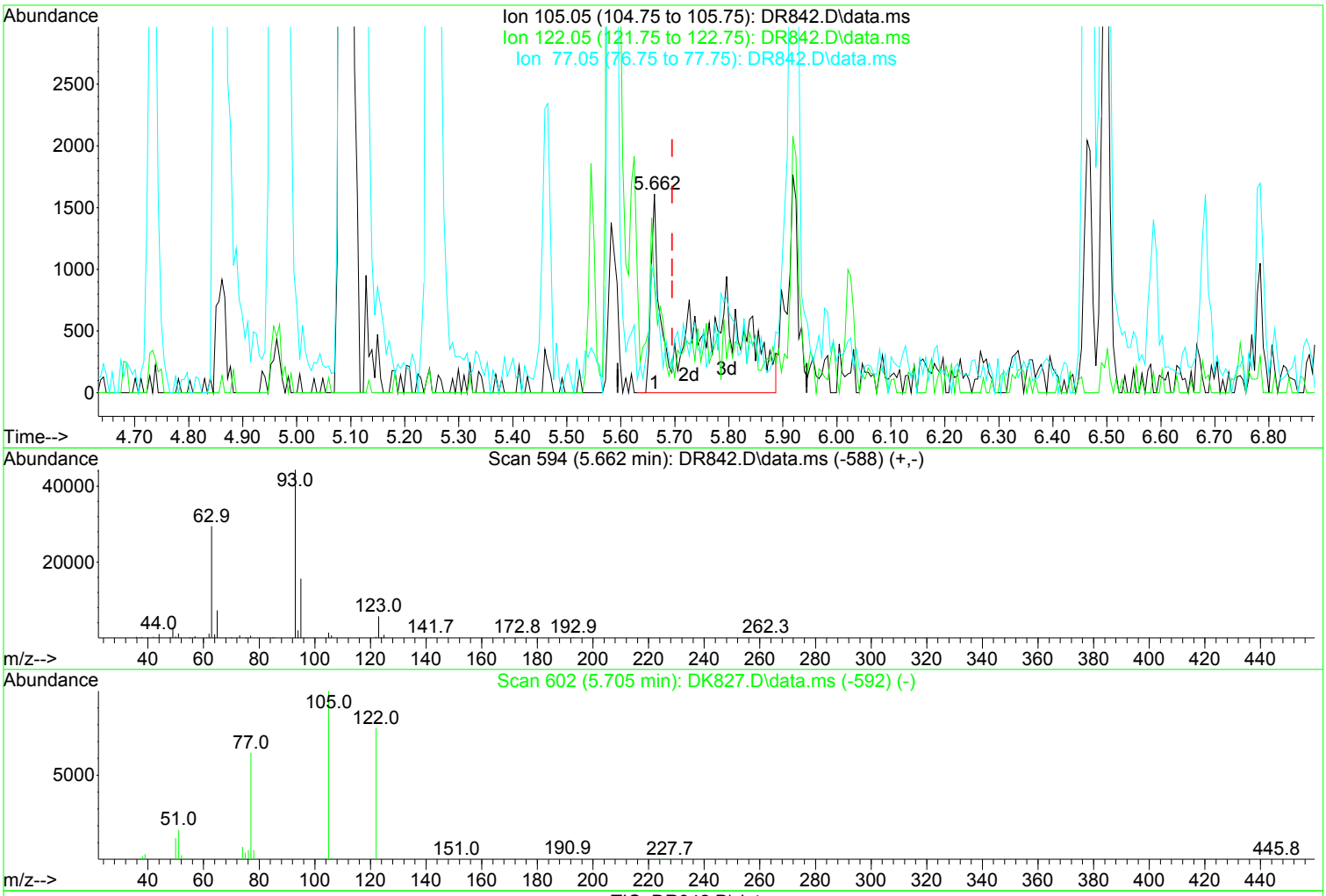
Before

05/01/19

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR842.D
Acq On : 30 Apr 2019 11:08 am
Operator : JMisiurewicz
Sample : 10 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 01 08:53:47 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



TIC: DR842.D\data.ms

(41) Benzoic Acid (TM)

5.662min (-0.033) 20.14 ppm m

response 6983

Ion	Exp%	Act%
105.05	100.00	100.00
122.05	83.70	53.88
77.05	69.40	56.73
0.00	0.00	0.00

Manual Integration:

After

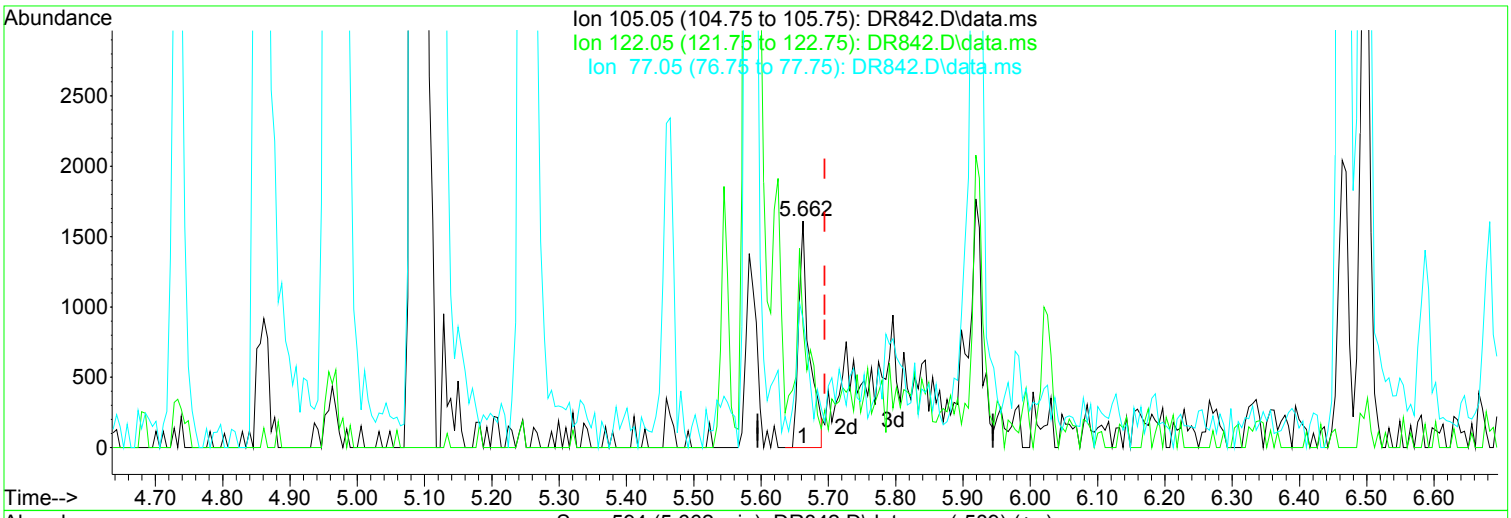
Poor integration.

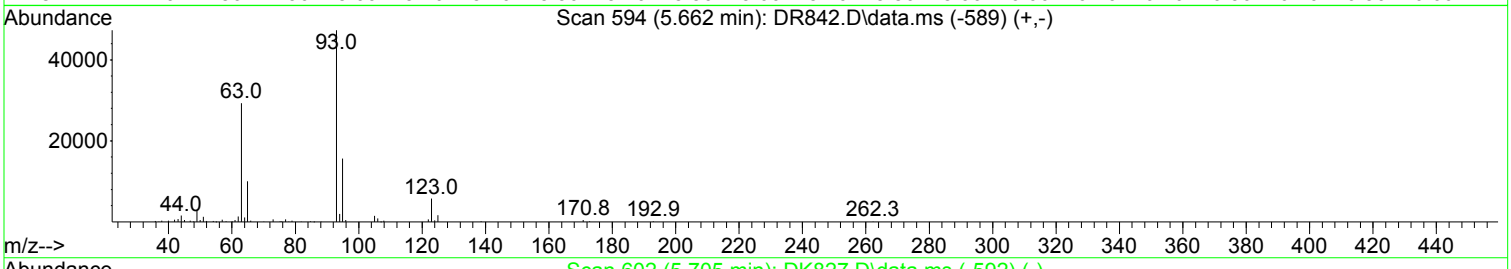
05/01/19

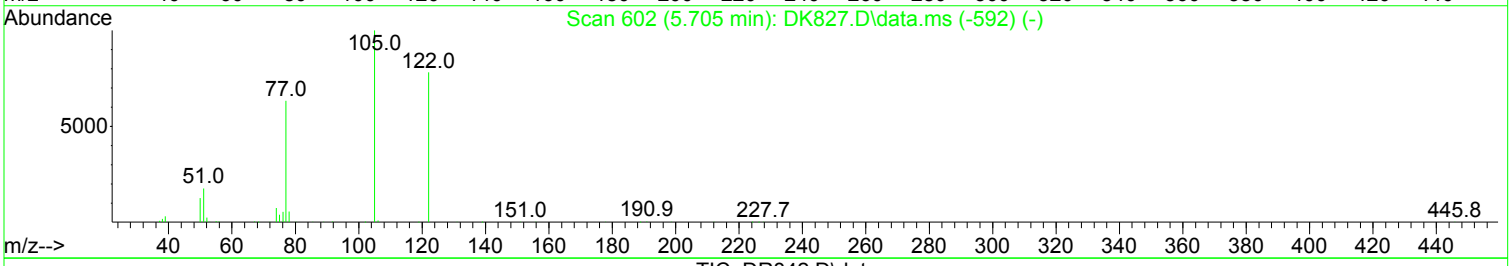
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR842.D
Acq On : 30 Apr 2019 11:08 am
Operator : JMisiurewicz
Sample : 10 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 01 08:53:47 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration







TIC: DR842.D\data.ms

(41) Benzoic Acid (TM)

5.662min (-0.033) 17.74 ppm

response 1737

Ion	Exp%	Act%
105.05	100.00	100.00
122.05	83.70	44.97#
77.05	69.40	44.08
0.00	0.00	0.00

Manual Integration:

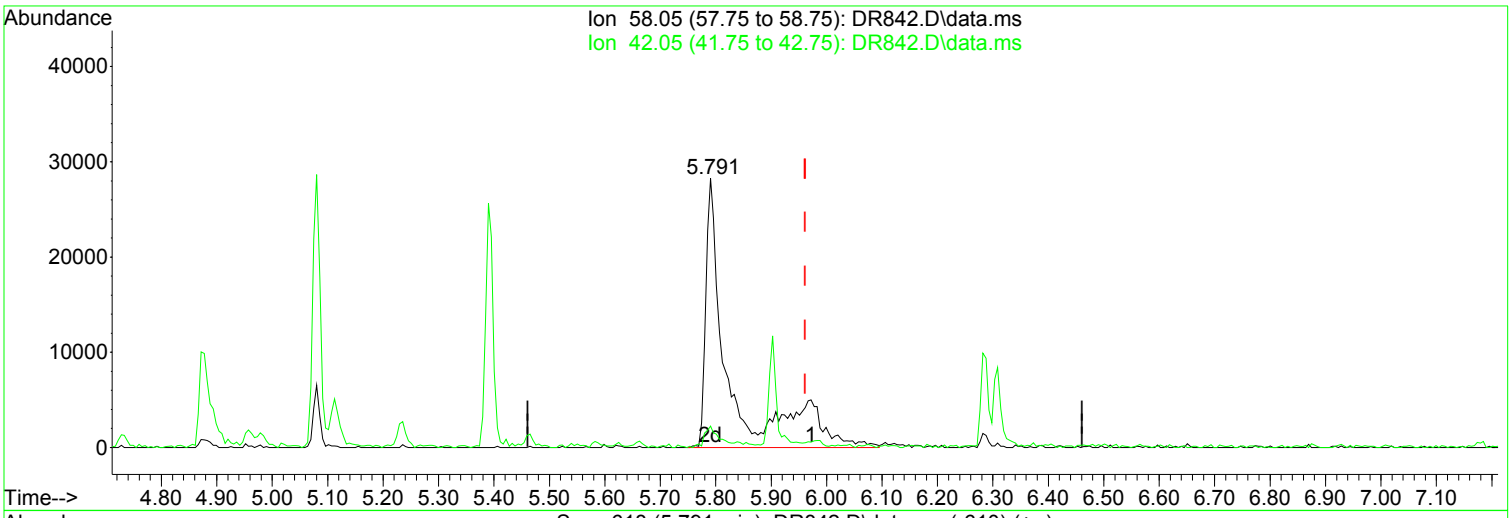
Before

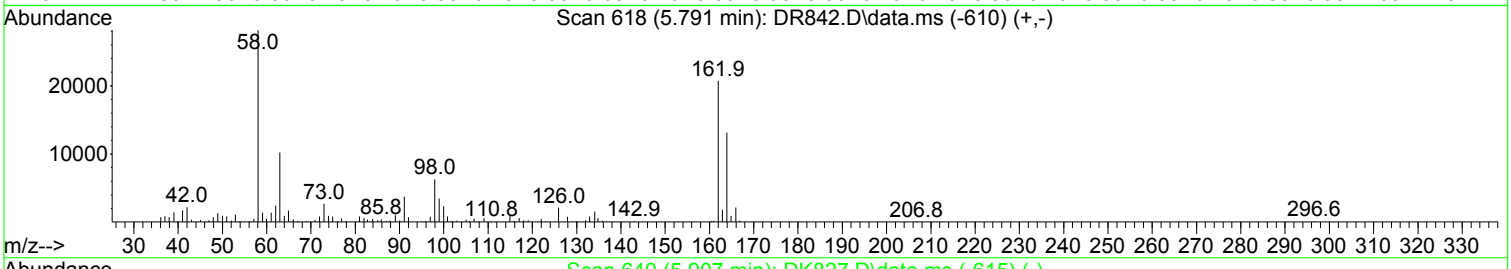
05/01/19

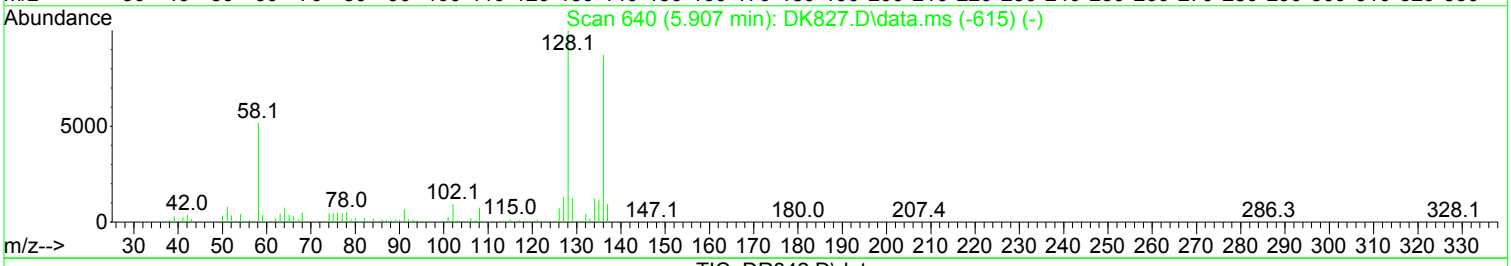
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR842.D
Acq On : 30 Apr 2019 11:08 am
Operator : JMisiurewicz
Sample : 10 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 01 08:53:47 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration







TIC: DR842.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

5.791min (-0.171) 10.61 ppm m

response 82857

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	30.40	8.02
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

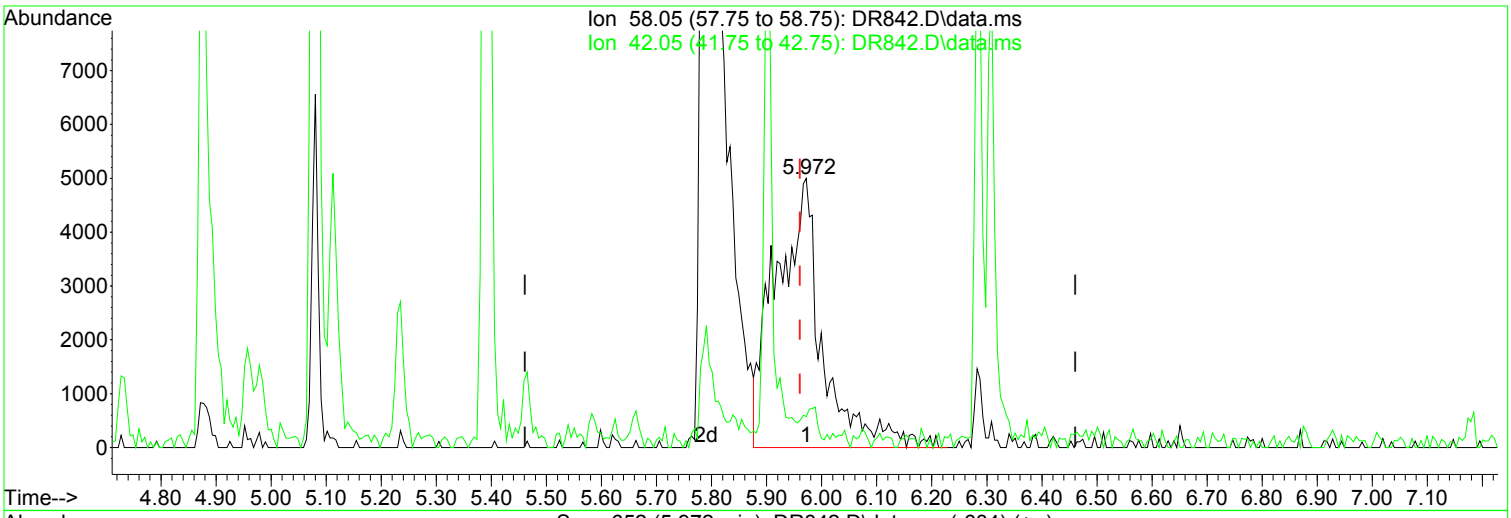
Poor integration.

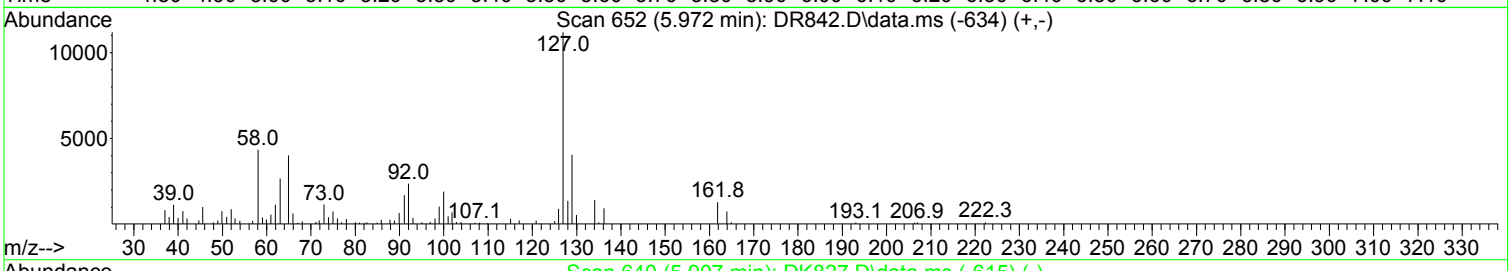
05/01/19

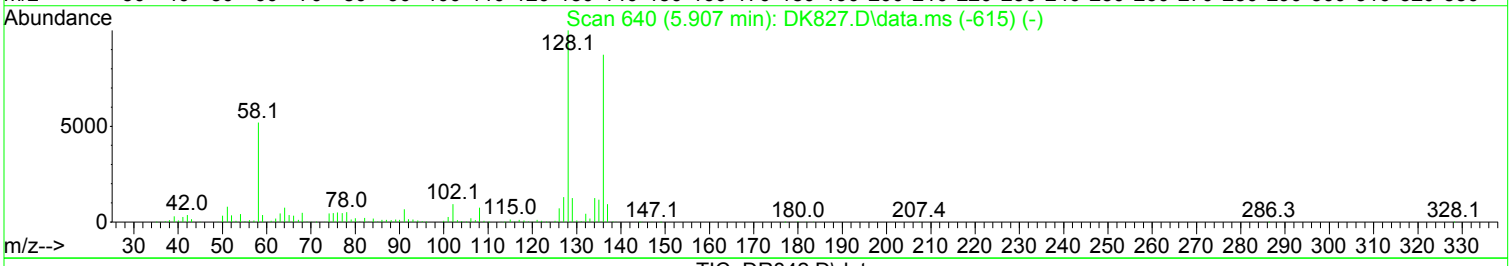
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR842.D
Acq On : 30 Apr 2019 11:08 am
Operator : JMisiurewicz
Sample : 10 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 01 08:53:47 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration







TIC: DR842.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

5.972min (+ 0.011) 3.73 ppm

response 29122

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	30.40	7.77
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

05/01/19

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR842.D
Acq On : 30 Apr 2019 11:08 am
Operator : JMisiurewicz
Sample : 10 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 01 08:53:47 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) d4-1,4-Dichlorobenzene	4.733	152	108752	40.00	ppm		0.00
33) d8-Naphthalene	5.903	136	411748	40.00	ppm		0.00
57) d10-Acenaphthene	7.612	164	204303	40.00	ppm		0.00
91) d10-Phenanthrene	9.081	188	308447	40.00	ppm		0.00
117) d12-Chrysene	12.349	240	300507	40.00	ppm		0.00
135) d12-Perylene	15.292	264	293083	40.00	ppm		0.00
System Monitoring Compounds							
7) SURR1,2-FLUOROPHENOL	3.659	112	41166	10.41	ppm		0.00
Spiked Amount 100.000	Range 10 - 70		Recovery = 10.41%				
12) SURR2,PHENOL-D6	4.423	99	48812	10.04	ppm		0.00
Spiked Amount 100.000	Range 10 - 107		Recovery = 10.04%				
34) SURR4,NITROBENZENE-D5	5.235	82	42600	10.20	ppm		0.00
Spiked Amount 50.000	Range 31 - 110		Recovery = 20.40%#				
63) SURR5,2-FLUOROBIPHENYL	6.944	172	79062	10.18	ppm		0.00
Spiked Amount 50.000	Range 31 - 118		Recovery = 20.36%#				
88) SURR3,2,4,6-TRIBROMOPH...	8.397	330	8231	9.84	ppm		0.00
Spiked Amount 100.000	Range 35 - 141		Recovery = 9.84%#				
124) SURR6,TERPHENYL-D14	10.768	244	71122	10.05	ppm		0.00
Spiked Amount 50.000	Range 10 - 165		Recovery = 20.10%				
Target Compounds							Qvalue
2) Pyridine	2.629	79	44030	10.548	ppm		98
3) N-Nitrosodimethylamine	2.591	74	23457	9.239	ppm		94
4) 2-Picoline	3.200	93	43873	10.157	ppm		98
5) N-Nitrosomethylamine	3.286	42	16294	9.280	ppm		92
6) Methyl Methansulfonate	3.521	80	19220	9.768	ppm		97
8) N-Nitrosodiethylamine	3.830	102	19366	10.040	ppm		94
9) Ethyl Mathanesulfonate	4.076	79	32092	9.652	ppm		93
10) Benzaldehyde	4.364	106	56570	20.335	ppm		97
11) Aniline	4.450	93	62763	10.119	ppm		94
13) Phenol	4.434	94	54135	10.186	ppm		96
14) bis(2-Clethyl)Ether	4.493	93	37541	10.208	ppm		96
15) Pentachloroethane	4.487	117	14226	9.608	ppm		91
16) 2-Chlorophenol	4.562	128	41576	9.959	ppm		96
17) 1,3-Diclbenzene	4.680	146	43986	10.124	ppm		93
18) 1,4-Dichlorobenzene	4.749	146	45459	10.224	ppm		97
19) 1,2-Diclbenzene	4.883	146	42622	10.033	ppm		98
20) Benzyl Alcohol	4.856	79	27700	9.797	ppm		95
21) 1-Methyl-2-pyrrolidinone	4.872	99	25205	9.753	ppm		99
22) 2,2'-oxybis(1-Chloropr...	4.957	45	36079	10.210	ppm	#	51
23) 2-Methylphenol	4.963	108	37465	10.001	ppm		91
24) 3+4-Methylphenol	5.102	108	43458	10.253	ppm		98
25) Acetophenone	5.091	105	53078	10.082	ppm		95
26) N-Nitroso-Di-n-propyla...	5.080	70	29395	10.353	ppm		96
27) N-Nitrosopyrrolidine	5.080	100	21762	10.540	ppm		72
28) N-Nitrosomorpholine	5.112	56	20186	9.933	ppm		93
29) o-Toluidine	5.123	106	59468	10.172	ppm		89
30) Hexachloroethane	5.182	117	17415	10.176	ppm		95
31) o,o,o-Triethylphosphor...	5.625	198	18523	10.392	ppm		94
32) Alpha-terpinol	5.924	121	13946	10.041	ppm		93
35) Nitrobenzene	5.251	77	43515	10.370	ppm		95
36) N-Nitrosopiperidine	5.390	42	24405	10.699	ppm		97
37) Isophorone	5.465	82	72562	10.373	ppm		99
38) 2-Nitrophenol	5.545	139	21777	10.029	ppm		93

1st DM 05/01/19
2nd BA 05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR842.D
Acq On : 30 Apr 2019 11:08 am
Operator : JMisiurewicz
Sample : 10 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 01 08:53:47 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) 2,4-Dimethylphenol	5.582	107	39387	10.073	ppm		95
40) bis(-2-Chloroethoxy)Me...	5.662	93	41467	10.082	ppm		100
41) Benzoic Acid	5.662	105	6983m	20.138	ppm		
42) 2,4-Dichlorophenol	5.785	162	30160	9.738	ppm		99
43) a,a-Dimethylphenethyla...	5.791	58	82857m	10.610	ppm		
44) 1,2,4-Trichlorobenzene	5.844	180	33539	10.271	ppm		92
45) Naphthalene	5.924	128	115846	10.208	ppm		98
46) 4-Chloroaniline	5.983	127	47495	10.002	ppm		98
47) 2,6-Dichlorophenol	5.988	162	32488	10.031	ppm		95
48) Hexachlorobutadiene	6.026	225	17847	10.786	ppm		91
49) Hexachloropropene	5.999	213	20643	9.985	ppm		95
50) 4-Chloro-3-methylphenol	6.464	107	31974	10.353	ppm	#	67
51) N-N-di-n-butylamine	6.287	84	25241	10.289	ppm		93
52) Caprolactam	6.309	113	12546	10.220	ppm		78
53) p-Phenylenediamine	6.330	80	9142	11.276	ppm		80
54) Safrole	6.496	162	29085	9.985	ppm		89
55) 2-Methylnaphthalene	6.586	142	74440	10.135	ppm		100
56) 1-Methylnaphthalene	6.683	142	67772	9.863	ppm		99
58) Hexachlorocyclopentadiene	6.731	237	9908	8.516	ppm		98
59) 1,2,4,5-Tetrachloroben...	6.747	216	30304	10.078	ppm		98
60) 1,2,3,4-Tetrachloroben...	7.030	216	31590	9.977	ppm		97
61) 2,4,6-Trichlorophenol	6.875	196	19659	10.322	ppm		86
62) 2,4,5-Trichlorophenol	6.928	196	20320	9.920	ppm		96
64) Isosafrole	7.008	104	12972	9.873	ppm		94
65) 1,1'-Biphenyl	7.040	154	91819	10.145	ppm		98
66) 2-Chloronaphthalene	7.067	162	67329	10.293	ppm		98
67) 2-Nitroaniline	7.179	65	20116	10.758	ppm		93
68) 1,4-Naphthoquinone	7.254	158	22123	10.773	ppm		92
69) m-Dinitrobenzene	7.393	168	11971	9.314	ppm		80
70) Acenaphthylene	7.473	152	105967	10.114	ppm		97
71) Dimethyl phthalate	7.339	163	79841	10.439	ppm		100
72) 2,6-Dinitrotoluene	7.414	165	18504	10.657	ppm		98
73) Acenaphthene	7.644	153	74342	10.200	ppm		98
74) 3-Nitroaniline	7.590	138	20652	10.347	ppm		92
75) 2,4-Dinitrophenol	7.703	184	2997	8.642	ppm		98
76) Dibenzofuran	7.815	168	92309	10.256	ppm		95
77) 2,4-Dinitrotoluene	7.815	165	22573	9.844	ppm		92
78) 4-Nitrophenol	7.804	65	11725	8.789	ppm	#	33
79) Pentachlorobenzene	7.772	250	25042	10.392	ppm		97
80) 1-Napthylamine	7.900	143	50362	10.625	ppm		99
81) 2-Napthylamine	7.980	143	62760	10.391	ppm		96
82) 2,3,4,6-Tetrachlorophenol	7.948	232	13274	9.483	ppm		88
83) Fluorene	8.151	166	77902	10.527	ppm		100
84) 4-Chlorophenyl-phenyle...	8.146	204	31336	10.496	ppm		98
85) Diethylphthalate	8.034	149	75917	10.023	ppm		98
86) 4-Nitroaniline	8.194	138	20791	10.560	ppm		99
87) 5-Nitro-o-toluidine	8.178	152	22033	9.858	ppm		100
89) Sulfotepp	8.413	322	9493	10.042	ppm		88
90) Octachlorocyclopentene	8.392	307	9687	10.066	ppm		94
92) Thionazin	8.114	107	12913	10.671	ppm		98
93) 4,6-Dinitro-2-methylph...	8.215	198	8683	7.303	ppm	#	73
94) Diphenylamine	8.269	169	120211	22.055	ppm		98
95) 1,2 Diphenylhydrazine	8.306	77	78490	11.410	ppm		96
96) N-Nitrosodiphenylamine	8.269	169	120211	22.055	ppm		98
97) 1,3,5-Trinirobenzene	8.579	74	9866	10.029	ppm	#	57
98) Diallate	8.541	86	31029	11.161	ppm		97

1st DM 05/01/19
2nd BA 05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR842.D
Acq On : 30 Apr 2019 11:08 am
Operator : JMisiurewicz
Sample : 10 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 01 08:53:47 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration

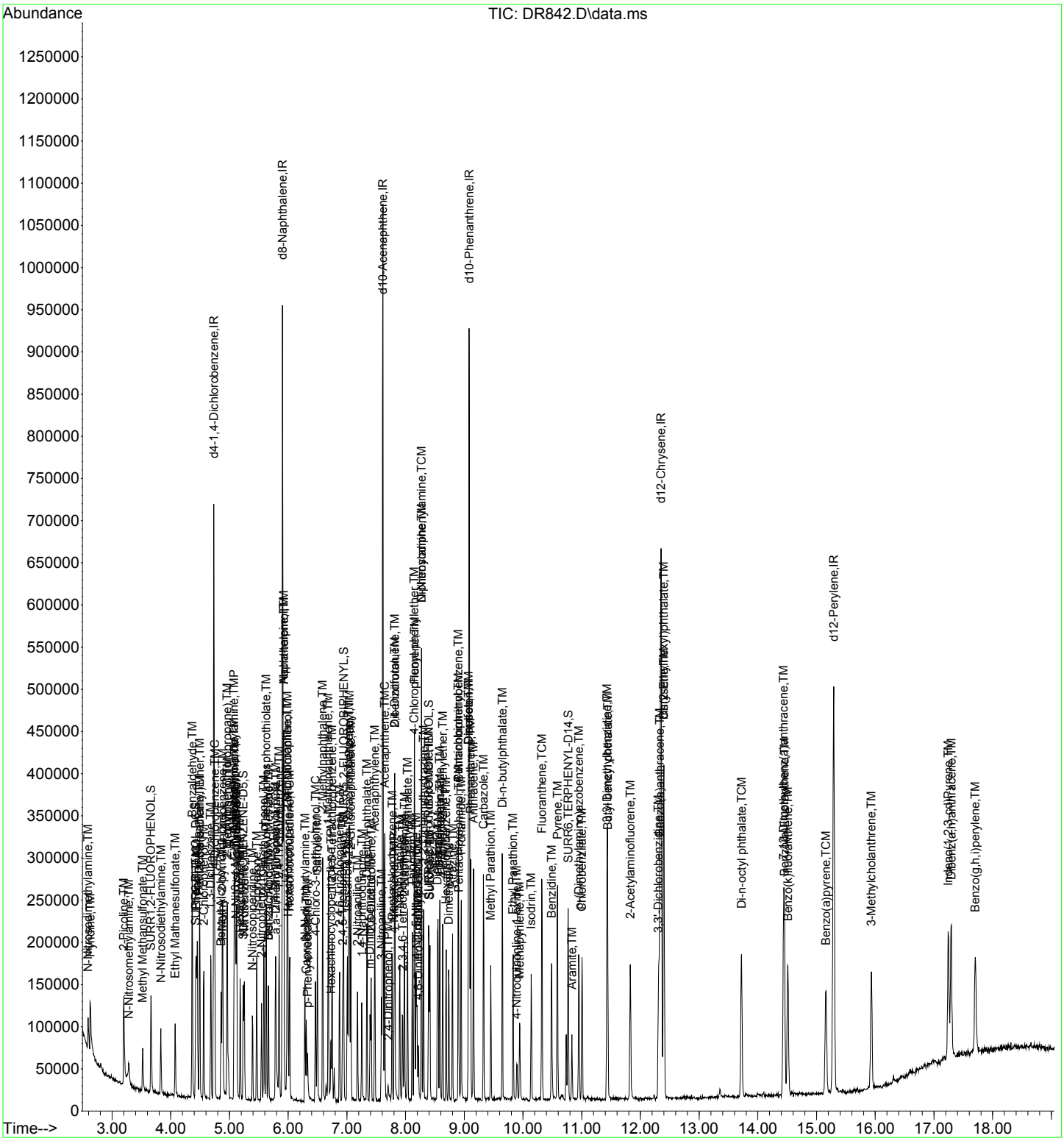
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
99) Phorate	8.552	121	15891	11.139	ppm	85
100) Phenacetin	8.584	108	39710	11.048	ppm	98
101) 4-Bromophenyl-phenylether	8.632	248	17263	10.704	ppm	94
102) Hexachlorobenzene	8.691	284	19691	10.857	ppm	99
103) Dimethoate	8.733	87	28226	11.977	ppm	95
104) Atrazine	8.798	215	10337	11.721	ppm	98
105) Pentachlorophenol	8.904	266	3320	8.836	ppm	85
106) 4-Aminobiphenyl	8.899	169	56778	10.252	ppm	99
107) Pentachloronitrobenzene	8.899	237	7006	10.456	ppm	94
108) Pronamide	8.947	173	32692	10.366	ppm	99
109) Dinoseb	9.070	211	11869	7.584	ppm	90
110) Disulfoton	9.070	88	36947	10.334	ppm	93
111) Phenanthrene	9.107	178	98674	10.116	ppm	98
112) Anthracene	9.155	178	97297	10.039	ppm	99
113) Carbazole	9.326	167	99103	10.409	ppm	99
114) Di-n-butylphthalate	9.647	149	130166	10.578	ppm	98
115) 4-Nitroquinonline-1-oxide	9.893	190	3557	6.165	ppm	69
116) Fluoranthene	10.320	202	106157	10.630	ppm	99
118) Methyl Parathion	9.449	109	25486	10.698	ppm	93
119) Ethyl Parathion	9.828	97	18743	10.530	ppm	87
120) Methapyrilene	9.941	58	28569	11.033	ppm	91
121) Isodrin	10.138	193	10566	9.617	ppm	90
122) Benzidine	10.485	184	69294	9.827	ppm	96
123) Pyrene	10.587	202	109943	9.963	ppm	98
125) Aramite	10.833	185	14625m	9.671	ppm	
126) p-(Dimethylamino)azobe...	10.950	120	32582	9.939	ppm	95
127) Chlorobenzilate	11.003	139	39531	10.322	ppm	96
128) Butyl benzyl phthalate	11.441	149	62353	10.186	ppm	97
129) 3,3-Dimethylbenzidine	11.431	212	67509	10.058	ppm	99
130) 2-Acetylaminofluorene	11.826	181	47661	9.749	ppm	94
131) 3,3'-Dichlorobenzidine	12.307	252	38889	9.729	ppm	97
132) Benzo(a)anthracene	12.328	228	102863	10.081	ppm	98
133) Chrysene	12.397	228	94573	10.075	ppm	99
134) bis(2-Ethylhexyl)phtha...	12.397	149	83139	9.868	ppm	96
136) Di-n-octyl phthalate	13.722	149	144182	10.366	ppm	99
137) 7,12-Dimethylbenz(a)an...	14.438	256	45485	10.266	ppm	97
138) Benzo(b)Fluoranthene	14.454	252	98633	10.113	ppm	98
139) Benzo(k)fluoranthene	14.513	252	97129	10.515	ppm	98
140) Benzo(a)pyrene	15.159	252	84420	10.065	ppm	98
141) 3-Methylcholanthrene	15.933	268	49489	10.074	ppm	94
142) Indeno(1,2,3-cd)Pyrene	17.242	276	86952	10.571	ppm	96
143) Dibenz(a,h)anthracene	17.295	278	89621	10.399	ppm	99
144) Benzo(g,h,i)perylene	17.701	276	76544	10.797	ppm	98

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

1st DM 05/01/19
2nd BA 05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR842.D
Acq On : 30 Apr 2019 11:08 am
Operator : JMisiurewicz
Sample : 10 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 8 Sample Multiplier: 1

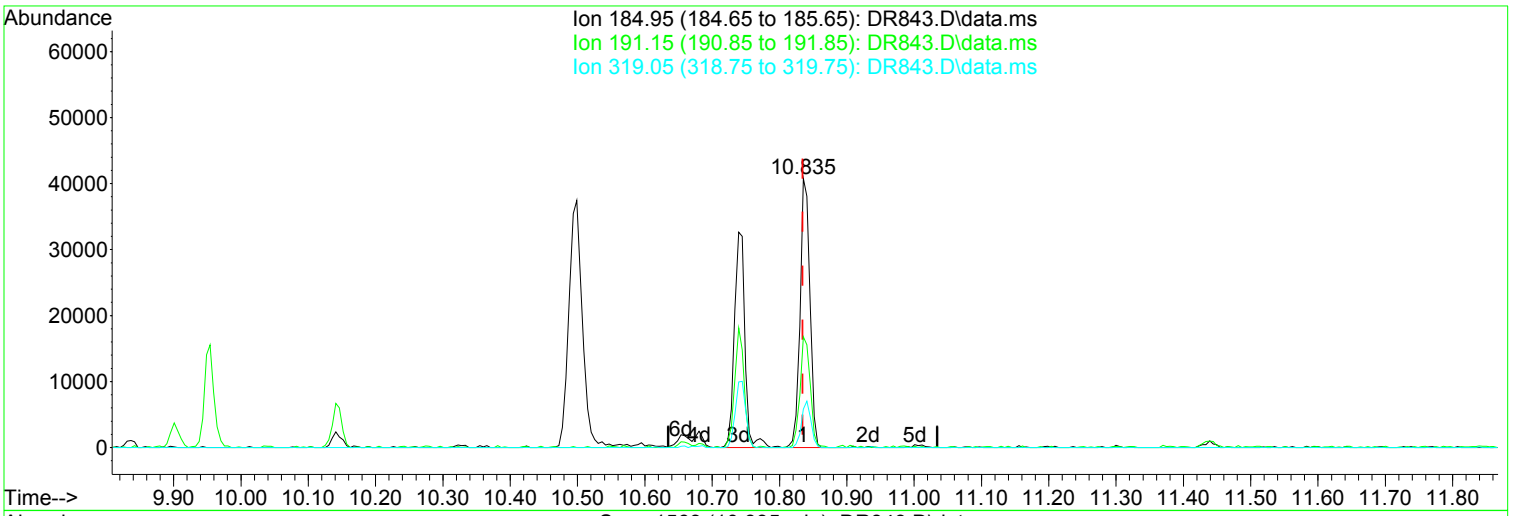
Quant Time: May 01 08:53:47 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration

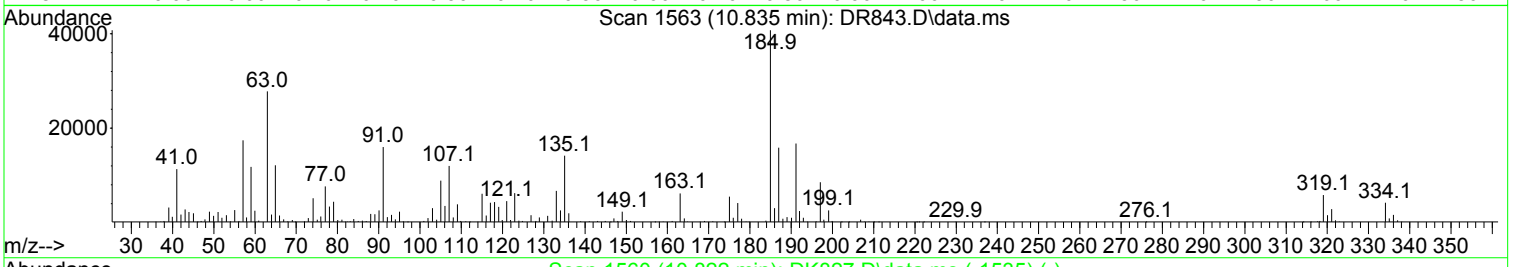


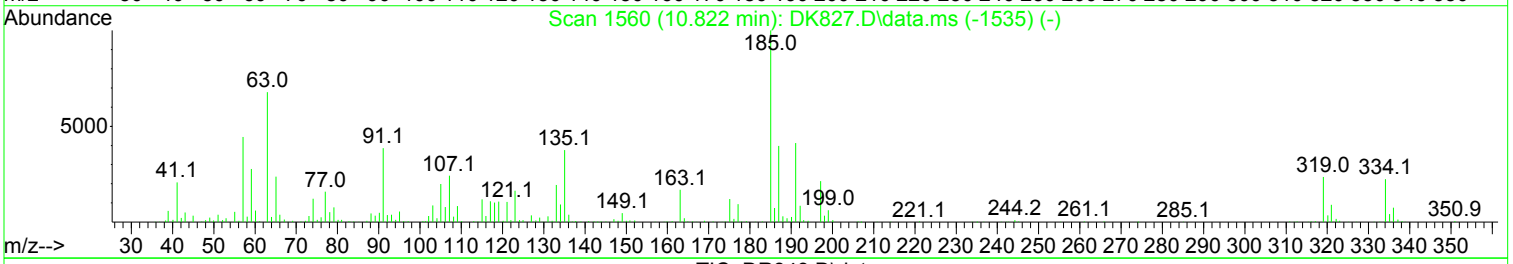
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR843.D
Acq On : 30 Apr 2019 12:00 pm
Operator : JMisiurewicz
Sample : 50 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 01 08:53:52 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration







TIC: DR843.D\data.ms

(125) Aramite (TM)

10.835min (+ 0.000) 53.18 ppm m

response 77165

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	41.00	41.13
319.05	16.80	14.27
0.00	0.00	0.00

Manual Integration:

After

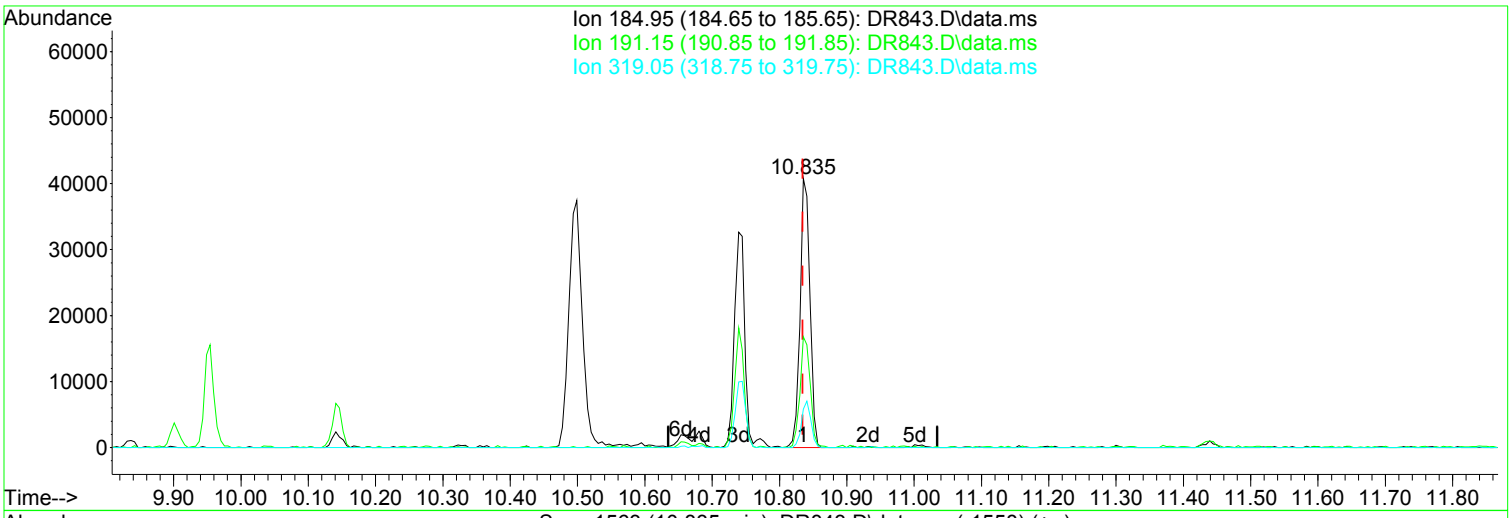
Split Peak.

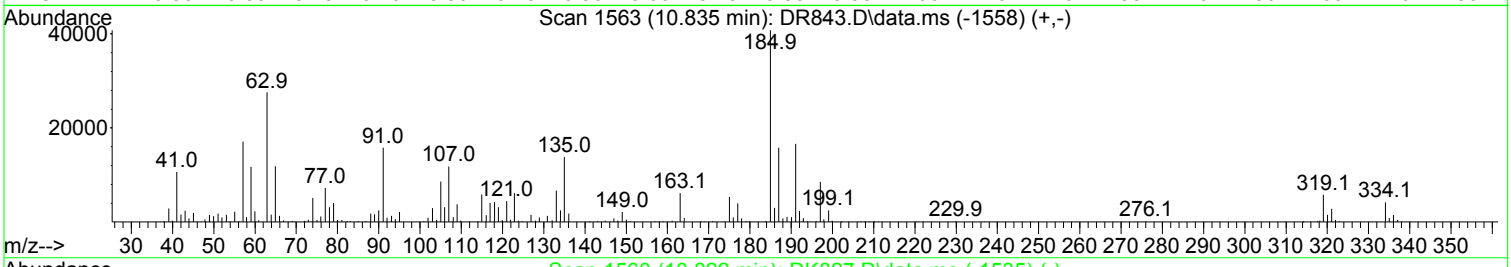
05/01/19

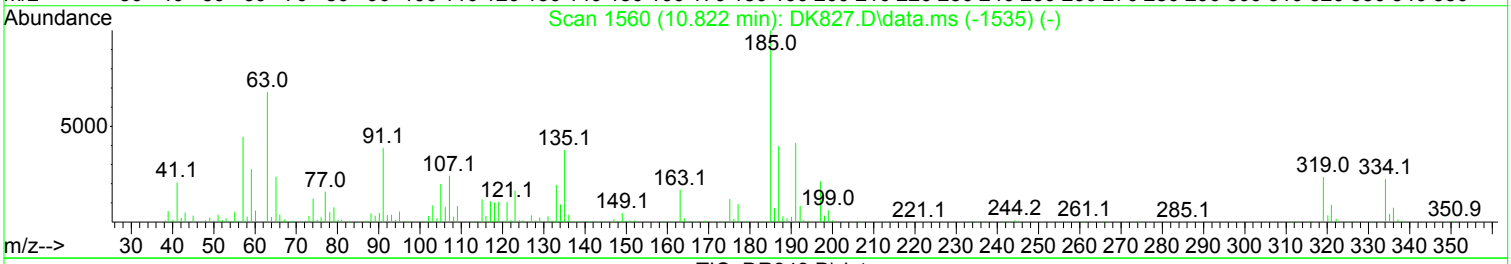
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR843.D
Acq On : 30 Apr 2019 12:00 pm
Operator : JMisiurewicz
Sample : 50 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 01 08:53:52 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration







TIC: DR843.D\data.ms

(125) Aramite (TM)

10.835min (+ 0.000) 28.60 ppm

response 41502

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	41.00	40.77
319.05	16.80	14.27
0.00	0.00	0.00

Manual Integration:

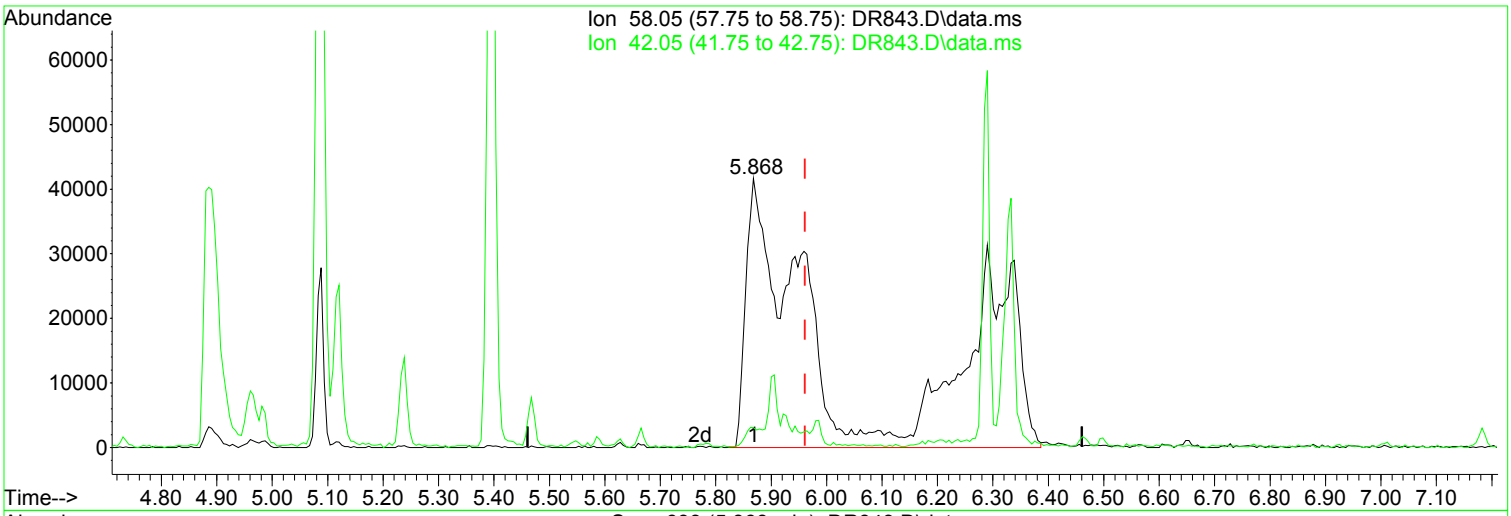
Before

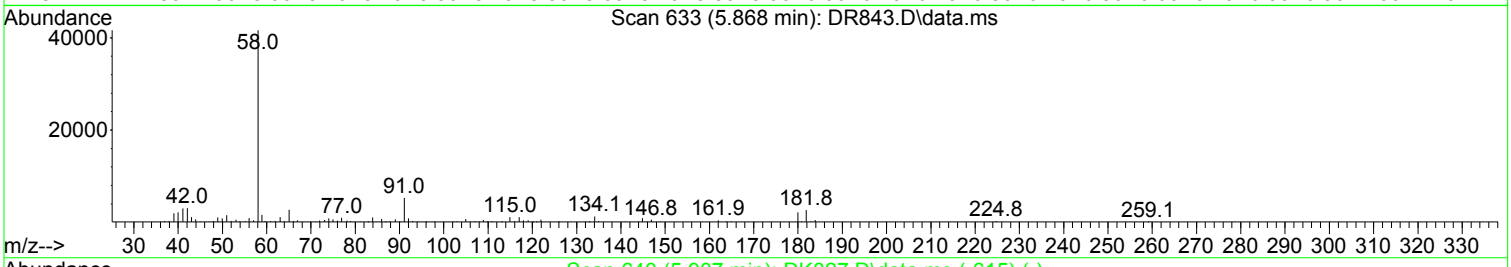
05/01/19

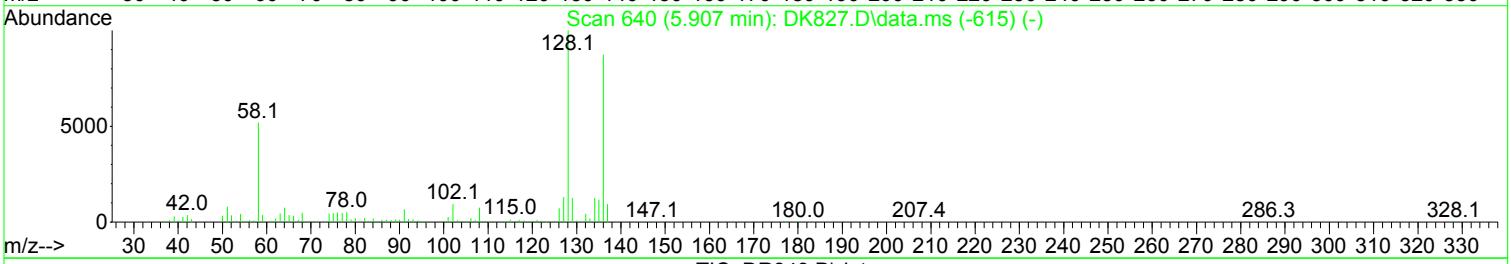
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR843.D
Acq On : 30 Apr 2019 12:00 pm
Operator : JMisiurewicz
Sample : 50 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 01 08:53:52 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration







TIC: DR843.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

5.868min (-0.093) 56.27 ppm m

response 453701

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	30.40	7.40
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

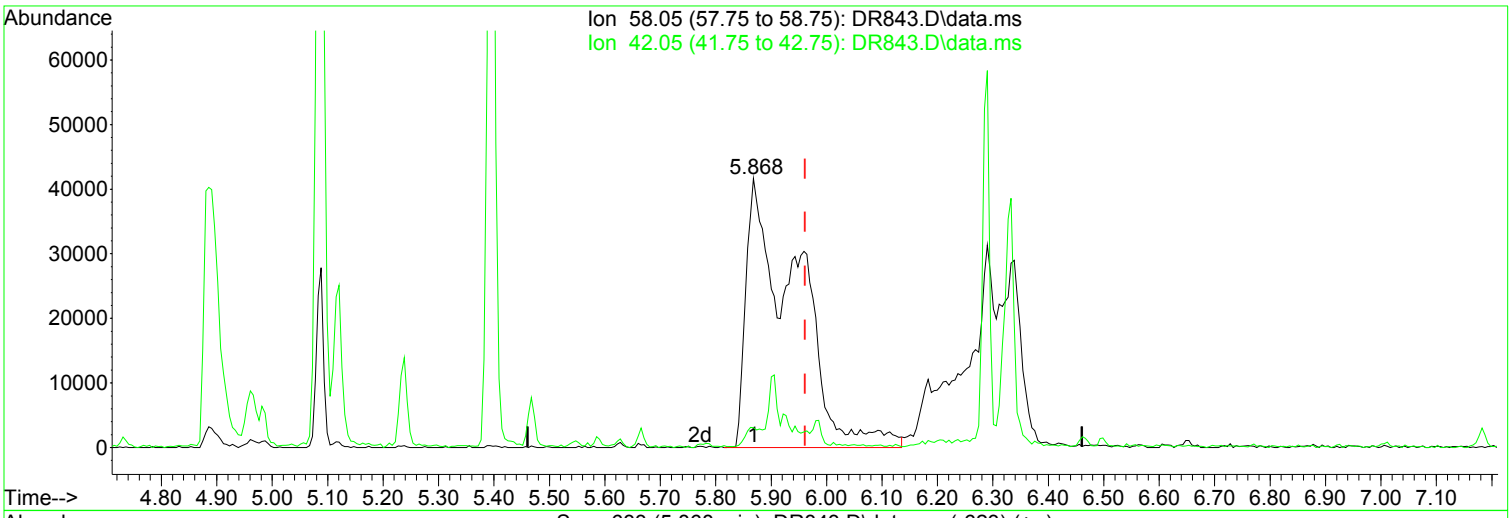
Poor integration.

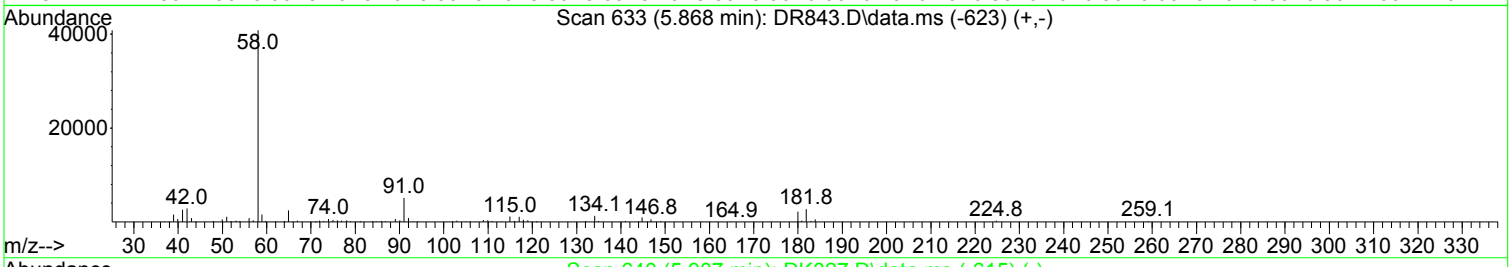
05/01/19

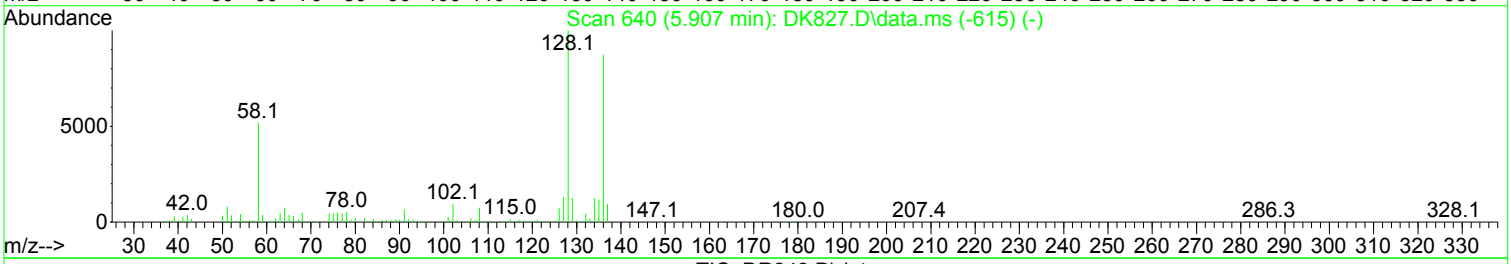
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR843.D
Acq On : 30 Apr 2019 12:00 pm
Operator : JMisiurewicz
Sample : 50 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 01 08:53:52 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration







TIC: DR843.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

5.868min (-0.093) 32.40 ppm

response 261234

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	30.40	6.98
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

05/01/19

1st DM 05/01/19
2nd BA 05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR843.D
Acq On : 30 Apr 2019 12:00 pm
Operator : JMisiurewicz
Sample : 50 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 01 08:53:52 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) d4-1,4-Dichlorobenzene	4.731	152	110698	40.00	ppm		0.00
33) d8-Naphthalene	5.906	136	425134	40.00	ppm		0.00
57) d10-Acenaphthene	7.615	164	204158	40.00	ppm		0.00
91) d10-Phenanthrene	9.084	188	310232	40.00	ppm		0.00
117) d12-Chrysene	12.358	240	288336	40.00	ppm		0.00
135) d12-Perylene	15.295	264	275009	40.00	ppm		0.00
System Monitoring Compounds							
7) SURR1,2-FLUOROPHENOL	3.662	112	208047	51.67	ppm		0.00
Spiked Amount 100.000	Range 10 - 70		Recovery = 51.67%				
12) SURR2,PHENOL-D6	4.426	99	270537	54.69	ppm		0.00
Spiked Amount 100.000	Range 10 - 107		Recovery = 54.69%				
34) SURR4,NITROBENZENE-D5	5.238	82	217116	50.33	ppm		0.00
Spiked Amount 50.000	Range 31 - 110		Recovery = 100.66%				
63) SURR5,2-FLUOROBIPHENYL	6.947	172	408560	52.63	ppm		0.00
Spiked Amount 50.000	Range 31 - 118		Recovery = 105.26%				
88) SURR3,2,4,6-TRIBROMOPH...	8.400	330	43898	52.51	ppm		0.00
Spiked Amount 100.000	Range 35 - 141		Recovery = 52.51%				
124) SURR6,TERPHENYL-D14	10.771	244	359803	52.97	ppm		0.00
Spiked Amount 50.000	Range 10 - 165		Recovery = 105.94%				
Target Compounds							Qvalue
2) Pyridine	2.610	79	243164	57.230	ppm		98
3) N-Nitrosodimethylamine	2.578	74	142554	55.162	ppm		98
4) 2-Picoline	3.192	93	235280	53.514	ppm		97
5) N-Nitrosomethylamine	3.278	42	93195	52.142	ppm		95
6) Methyl Methansulfonate	3.518	80	106880	53.365	ppm		99
8) N-Nitrosodiethylamine	3.828	102	105601	53.787	ppm		92
9) Ethyl Mathanesulfonate	4.074	79	174591	51.587	ppm		98
10) Benzaldehyde	4.362	106	151652	53.556	ppm		98
11) Aniline	4.453	93	338707	53.651	ppm		97
13) Phenol	4.437	94	289294	53.474	ppm		98
14) bis(2-Clethyl)Ether	4.496	93	192312	51.376	ppm		98
15) Pentachloroethane	4.490	117	78549	52.117	ppm		96
16) 2-Chlorophenol	4.560	128	228057	53.665	ppm		97
17) 1,3-Diclbenzene	4.682	146	233373	52.769	ppm		99
18) 1,4-Dichlorobenzene	4.747	146	236137	52.175	ppm		96
19) 1,2-Diclbenzene	4.885	146	222261	51.397	ppm		99
20) Benzyl Alcohol	4.859	79	157420	54.695	ppm		93
21) 1-Methyl-2-pyrrolidinone	4.885	99	145636	55.365	ppm		96
22) 2,2'-oxybis(1-Chloropr...	4.960	45	187574	52.150	ppm	#	85
23) 2-Methylphenol	4.966	108	198873	52.155	ppm		95
24) 3+4-Methylphenol	5.104	108	223412	51.784	ppm		96
25) Acetophenone	5.094	105	277229	51.734	ppm		99
26) N-Nitroso-Di-n-propyla...	5.088	70	151454	52.404	ppm		98
27) N-Nitrosopyrrolidine	5.088	100	110793	52.719	ppm		77
28) N-Nitrosomorpholine	5.120	56	106083	51.281	ppm		97
29) o-Toluidine	5.126	106	312542	52.521	ppm		98
30) Hexachloroethane	5.185	117	90494	51.947	ppm		99
31) o,o,o-Triethylphosphor...	5.628	198	93584	51.581	ppm		87
32) Alpha-terpinol	5.927	121	74018	52.357	ppm		97
35) Nitrobenzene	5.254	77	222556	51.368	ppm		99
36) N-Nitrosopiperidine	5.393	42	121121	51.427	ppm		97
37) Isophorone	5.468	82	374516	51.853	ppm		99
38) 2-Nitrophenol	5.548	139	118531	52.871	ppm		93

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR843.D
Acq On : 30 Apr 2019 12:00 pm
Operator : JMisiurewicz
Sample : 50 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 01 08:53:52 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) 2,4-Dimethylphenol	5.585	107	210797	52.212	ppm		94
40) bis(-2-Chloroethoxy)Me...	5.665	93	226533	53.345	ppm		99
41) Benzoic Acid	5.681	105	73824	50.003	ppm		99
42) 2,4-Dichlorophenol	5.783	162	173514	54.261	ppm		96
43) a,a-Dimethylphenethyla...	5.868	58	453701m	56.270	ppm		
44) 1,2,4-Trichlorobenzene	5.847	180	171319	50.811	ppm		99
45) Naphthalene	5.927	128	590082	50.359	ppm		99
46) 4-Chloroaniline	5.986	127	246095	50.192	ppm		99
47) 2,6-Dichlorophenol	5.991	162	170509	50.990	ppm		90
48) Hexachlorobutadiene	6.028	225	86233	50.477	ppm		97
49) Hexachloropropene	5.996	213	112089	52.512	ppm		98
50) 4-Chloro-3-methylphenol	6.466	107	162550	50.978	ppm	#	64
51) N-N-di-n-butylamine	6.290	84	129320	51.055	ppm		98
52) Caprolactam	6.333	113	62461	49.277	ppm		90
53) p-Phenylenediamine	6.338	80	44084	52.662	ppm		98
54) Safrole	6.498	162	155842	51.814	ppm		97
55) 2-Methylnaphthalene	6.589	142	380698	50.200	ppm		96
56) 1-Methylnaphthalene	6.685	142	359083	50.613	ppm		99
58) Hexachlorocyclopentadiene	6.728	237	71238	51.359	ppm		96
59) 1,2,4,5-Tetrachloroben...	6.749	216	157122	52.291	ppm		97
60) 1,2,3,4-Tetrachloroben...	7.033	216	164784	52.081	ppm		97
61) 2,4,6-Trichlorophenol	6.878	196	105353	55.356	ppm		96
62) 2,4,5-Trichlorophenol	6.926	196	107718	52.623	ppm		97
64) Isosafrole	7.011	104	67437	51.361	ppm		92
65) 1,1'-Biphenyl	7.043	154	466049	51.531	ppm		99
66) 2-Chloronaphthalene	7.070	162	339546	51.943	ppm		99
67) 2-Nitroaniline	7.182	65	97208	52.023	ppm		94
68) 1,4-Naphthoquinone	7.257	158	113203	55.164	ppm		88
69) m-Dinitrobenzene	7.401	168	65665	51.129	ppm		93
70) Acenaphthylene	7.476	152	544676	52.021	ppm		98
71) Dimethyl phthalate	7.348	163	377190	49.353	ppm		99
72) 2,6-Dinitrotoluene	7.417	165	88827	51.195	ppm		97
73) Acenaphthene	7.647	153	375171	51.509	ppm		99
74) 3-Nitroaniline	7.593	138	103780	52.031	ppm		98
75) 2,4-Dinitrophenol	7.700	184	31154	54.900	ppm		86
76) Dibenzofuran	7.818	168	470226	52.282	ppm		97
77) 2,4-Dinitrotoluene	7.818	165	121270	52.921	ppm		95
78) 4-Nitrophenol	7.807	65	70138	52.611	ppm	#	53
79) Pentachlorobenzene	7.770	250	126121	52.375	ppm		100
80) 1-Napthylamine	7.903	143	239726	50.612	ppm		99
81) 2-Napthylamine	7.983	143	301853	50.014	ppm		99
82) 2,3,4,6-Tetrachlorophenol	7.951	232	73574	52.599	ppm		91
83) Fluorene	8.154	166	378292	51.155	ppm		98
84) 4-Chlorophenyl-phenyle...	8.149	204	153366	51.407	ppm		96
85) Diethylphthalate	8.037	149	381341	50.383	ppm		99
86) 4-Nitroaniline	8.202	138	104981	53.360	ppm		96
87) 5-Nitro-o-toluidine	8.186	152	117376	52.553	ppm		95
89) Sulfotepp	8.416	322	47300	50.071	ppm		91
90) Octachlorocyclopentene	8.395	307	51376	53.425	ppm		98
92) Thionazin	8.117	107	62619	51.449	ppm		98
93) 4,6-Dinitro-2-methylph...	8.224	198	64656	54.067	ppm		97
94) Diphenylamine	8.277	169	565644	103.181	ppm		98
95) 1,2 Diphenylhydrazine	8.309	77	371577	53.705	ppm		96
96) N-Nitrosodiphenylamine	8.277	169	565644	103.181	ppm		98
97) 1,3,5-Trinirobenzene	8.597	74	54699	55.283	ppm		94
98) Diallate	8.544	86	138539	49.545	ppm		96

1st DM 05/01/19
2nd BA 05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR843.D
Acq On : 30 Apr 2019 12:00 pm
Operator : JMisiurewicz
Sample : 50 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 01 08:53:52 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration

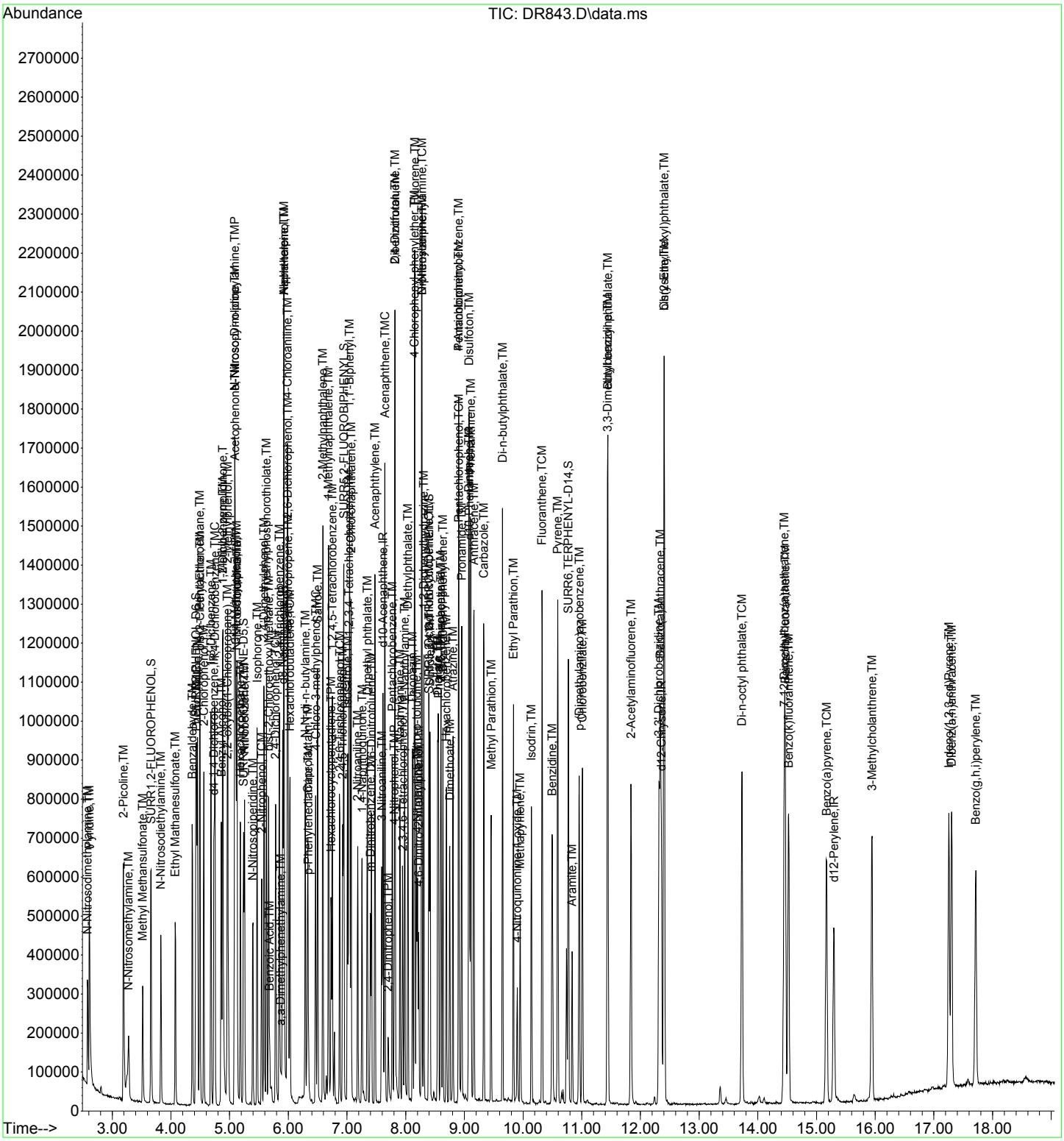
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
99)	Phorate	8.560	121	71025	49.497	ppm	97
100)	Phenacetin	8.603	108	198196	54.826	ppm	97
101)	4-Bromophenyl-phenylether	8.635	248	82693	50.977	ppm	96
102)	Hexachlorobenzene	8.694	284	91221	50.006	ppm	98
103)	Dimethoate	8.752	87	131387	55.428	ppm	97
104)	Atrazine	8.806	215	48849	55.071	ppm	96
105)	Pentachlorophenol	8.907	266	32963	53.349	ppm	98
106)	4-Aminobiphenyl	8.902	169	313308	56.245	ppm	99
107)	Pentachloronitrobenzene	8.902	237	37979	56.355	ppm	98
108)	Pronamide	8.955	173	177995	56.116	ppm	96
109)	Dinoseb	9.073	211	85017	54.014	ppm	98
110)	Disulfoton	9.078	88	179076	49.797	ppm	97
111)	Phenanthrene	9.110	178	509880	51.970	ppm	99
112)	Anthracene	9.164	178	511848	52.507	ppm	98
113)	Carbazole	9.329	167	518965	54.197	ppm	99
114)	Di-n-butylphthalate	9.650	149	691327	55.856	ppm	98
115)	4-Nitroquinonline-1-oxide	9.901	190	30376	52.343	ppm	86
116)	Fluoranthene	10.323	202	544361	54.197	ppm	99
118)	Methyl Parathion	9.457	109	123379	53.973	ppm	90
119)	Ethyl Parathion	9.837	97	92173	53.969	ppm	97
120)	Methapyrilene	9.949	58	136127	54.790	ppm	99
121)	Isodrin	10.141	193	54114	51.330	ppm	90
122)	Benzidine	10.499	184	378125	55.889	ppm	99
123)	Pyrene	10.590	202	566160	53.472	ppm	99
125)	Aramite	10.835	185	77165m	53.181	ppm	
126)	p-(Dimethylamino)azobe...	10.958	120	173681	55.216	ppm	91
127)	Chlorobenzilate	11.012	139	197095	53.636	ppm	93
128)	Butyl benzyl phthalate	11.444	149	312570	53.216	ppm	97
129)	3,3-Dimethylbenzidine	11.439	212	342581	53.195	ppm	97
130)	2-Acetylaminofluorene	11.839	181	245928	52.426	ppm	99
131)	3,3'-Dichlorobenzidine	12.315	252	200153	52.188	ppm	99
132)	Benzo(a)anthracene	12.336	228	502187	51.293	ppm	100
133)	Chrysene	12.406	228	465026	51.629	ppm	100
134)	bis(2-Ethylhexyl)phtha...	12.406	149	425392	52.623	ppm	98
136)	Di-n-octyl phthalate	13.730	149	704356	53.968	ppm	99
137)	7,12-Dimethylbenz(a)an...	14.451	256	224365	53.968	ppm	99
138)	Benzo(b)Fluoranthene	14.467	252	496783	54.283	ppm	99
139)	Benzo(k)fluoranthene	14.526	252	463822	53.511	ppm	97
140)	Benzo(a)pyrene	15.172	252	430163	54.656	ppm	98
141)	3-Methylcholanthrene	15.947	268	252152	54.703	ppm	97
142)	Indeno(1,2,3-cd)Pyrene	17.255	276	409665	53.077	ppm	99
143)	Dibenz(a,h)anthracene	17.303	278	434314	53.705	ppm	99
144)	Benzo(g,h,i)perylene	17.715	276	351651	52.862	ppm	99

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

1st JM 05/01/19
2nd BA 05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR843.D
Acq On : 30 Apr 2019 12:00 pm
Operator : JMisiurewicz
Sample : 50 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 9 Sample Multiplier: 1

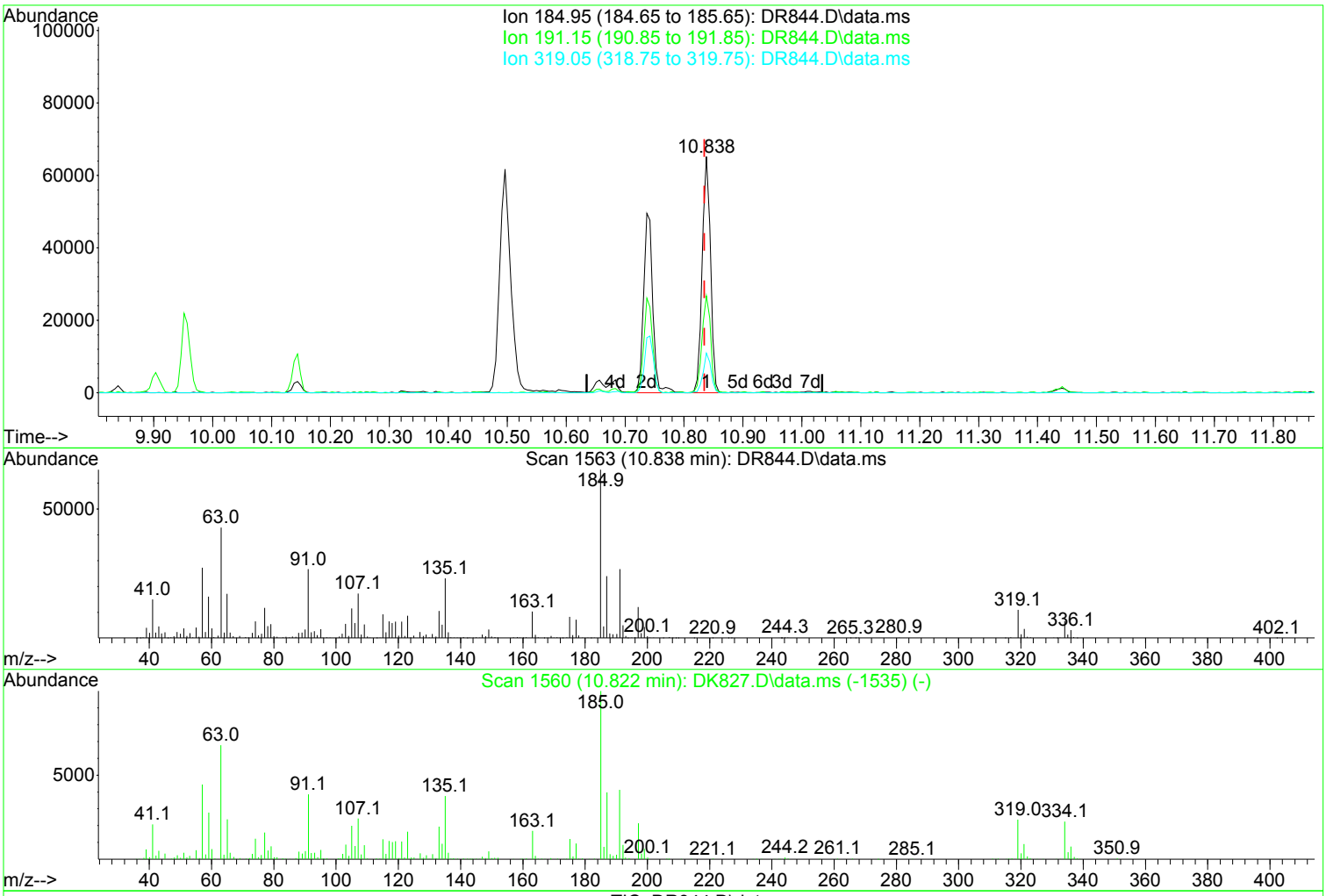
Quant Time: May 01 08:53:52 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR844.D
Acq On : 30 Apr 2019 12:34 pm
Operator : JMisiurewicz
Sample : 80 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 01 08:53:57 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



TIC: DR844.D\data.ms

(125) Aramite (TM)

10.838min (+ 0.003) 81.76 ppm m

response 116877

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	41.00	41.00
319.05	16.80	16.77
0.00	0.00	0.00

Manual Integration:

After

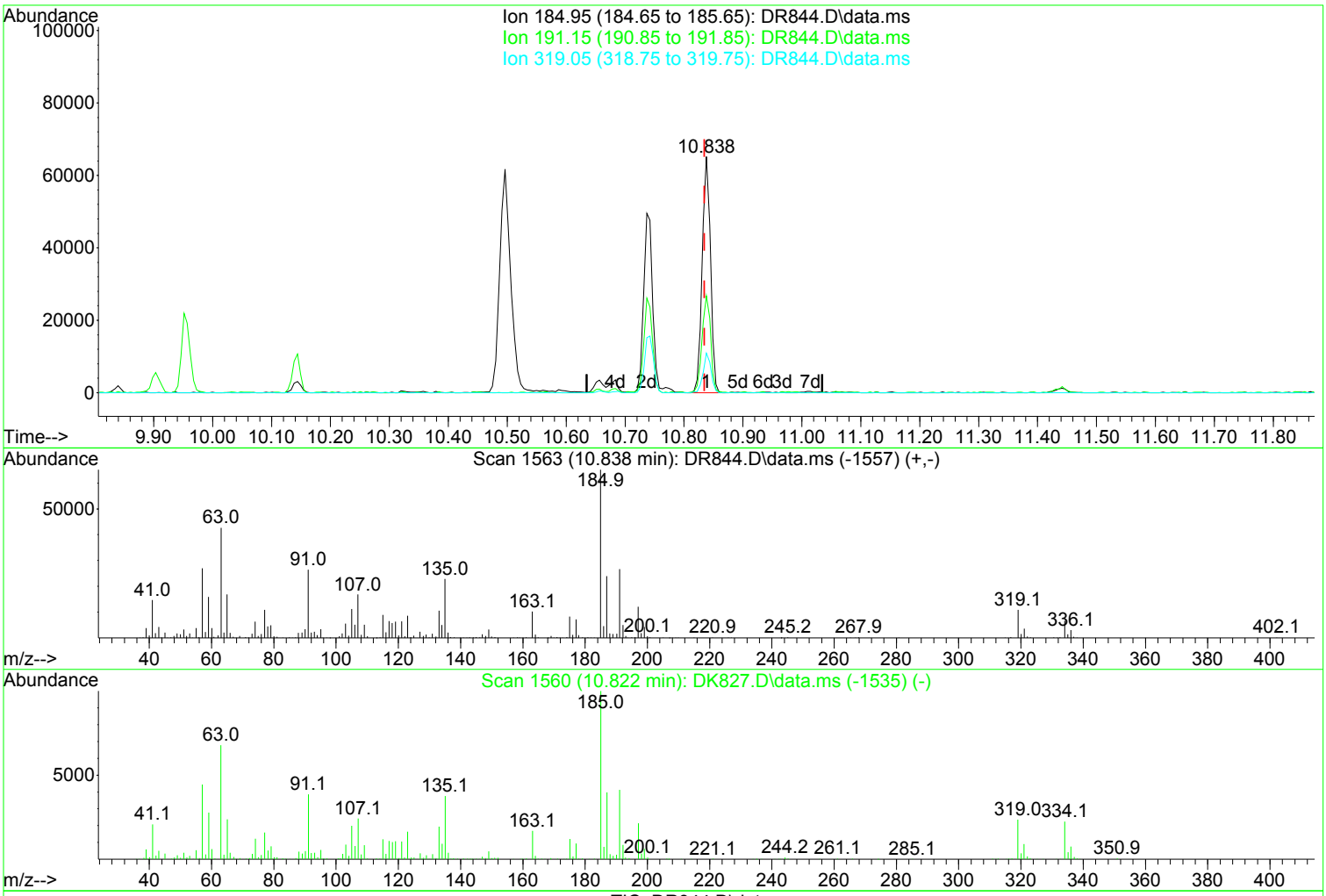
Split Peak.

05/01/19

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR844.D
Acq On : 30 Apr 2019 12:34 pm
Operator : JMisiurewicz
Sample : 80 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 01 08:53:57 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



TIC: DR844.D\data.ms

(125) Aramite (TM)

10.838min (+ 0.003) 44.41 ppm

response 63484

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	41.00	40.87
319.05	16.80	16.77
0.00	0.00	0.00

Manual Integration:

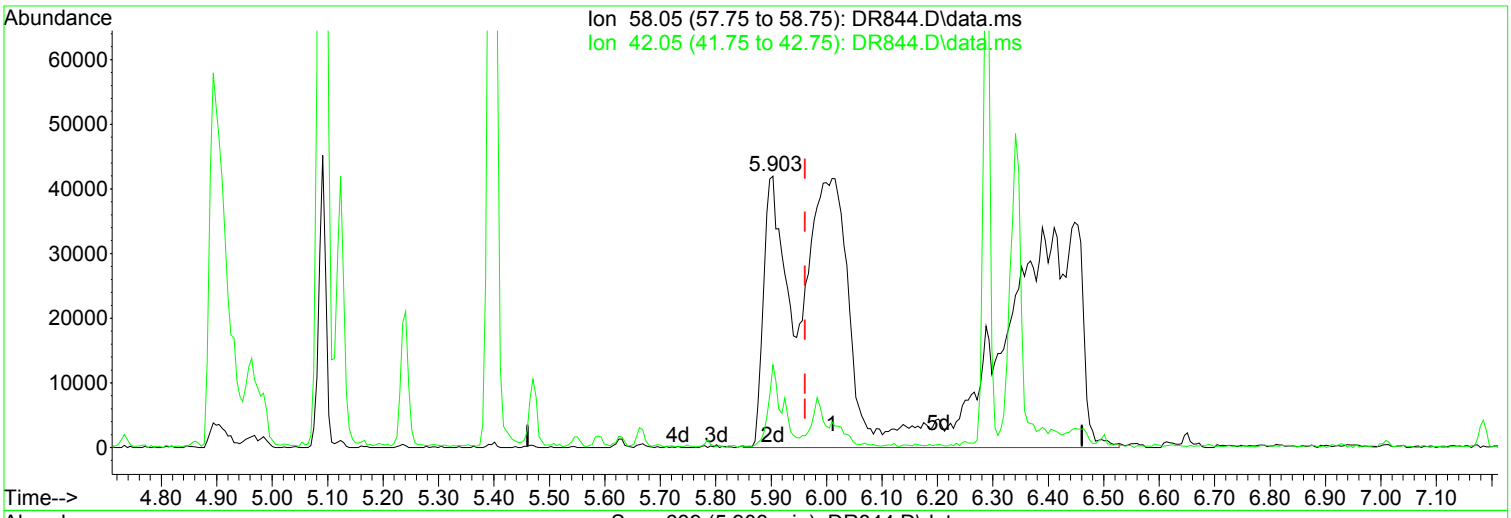
Before

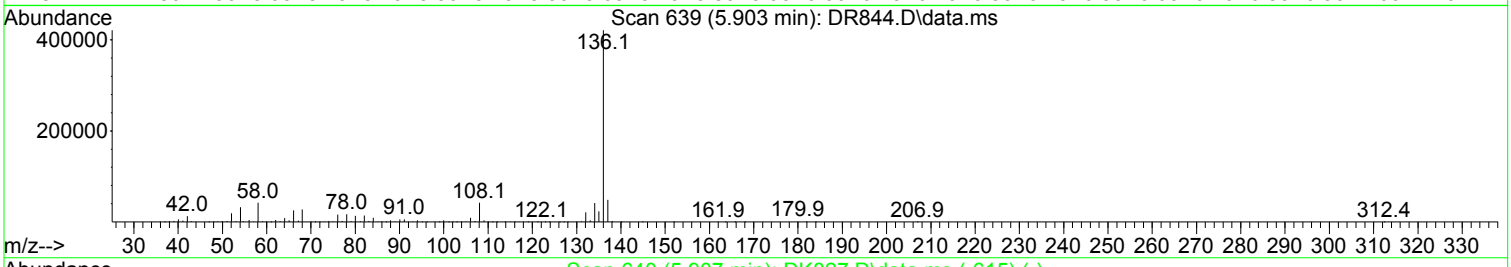
05/01/19

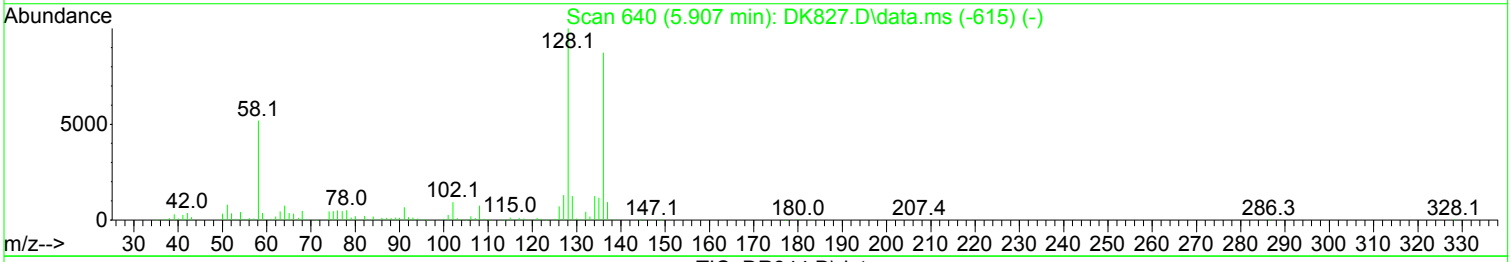
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR844.D
Acq On : 30 Apr 2019 12:34 pm
Operator : JMisiurewicz
Sample : 80 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 01 08:53:57 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration







TIC: DR844.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

5.903min (-0.058) 84.84 ppm m

response 659304

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	30.40	30.43
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

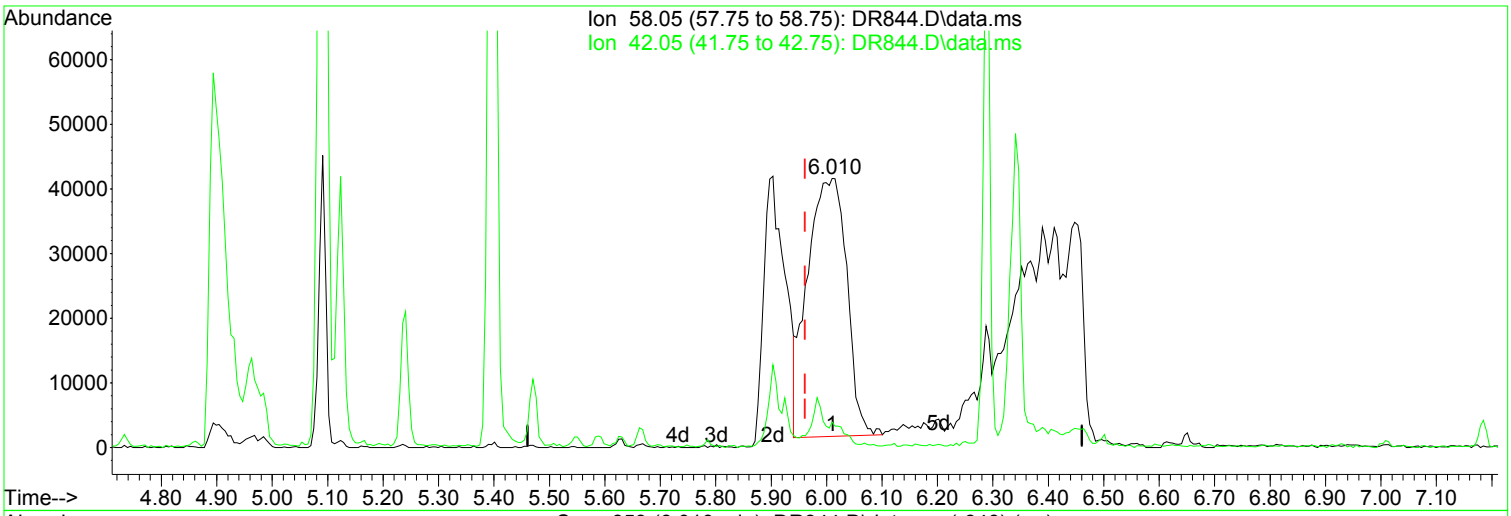
Poor integration.

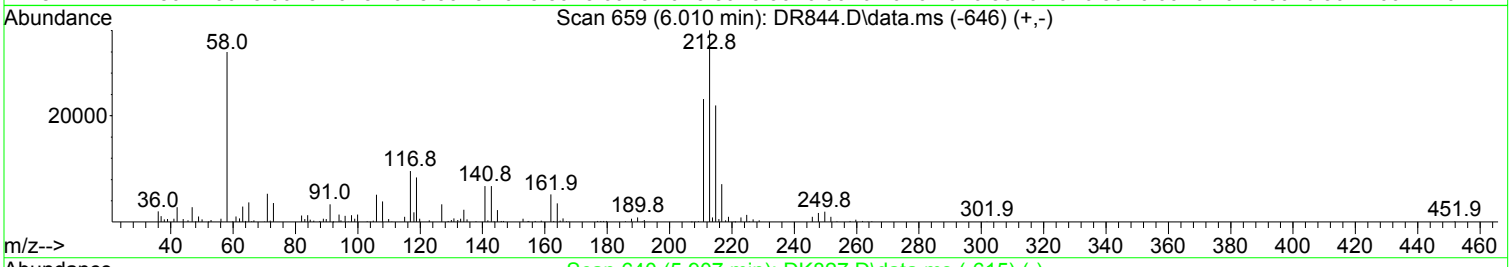
05/01/19

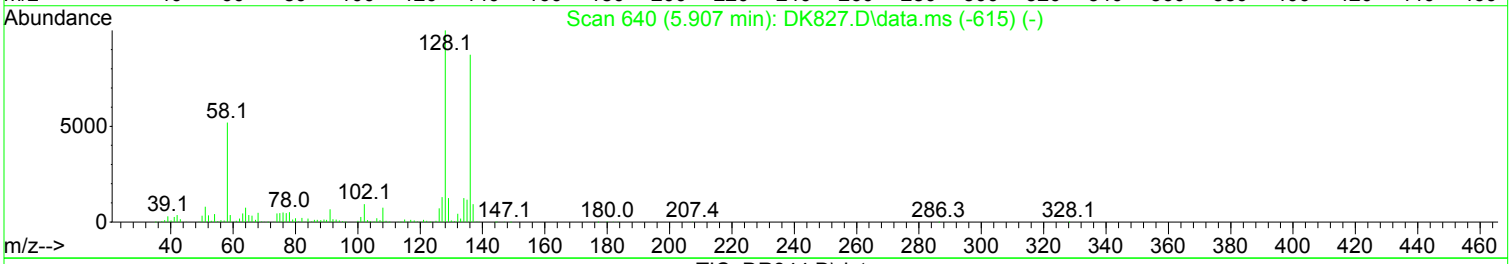
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR844.D
Acq On : 30 Apr 2019 12:34 pm
Operator : JMisiurewicz
Sample : 80 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 01 08:53:57 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration







TIC: DR844.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

6.010min (+ 0.049) 25.28 ppm

response 196453

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	30.40	8.84
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

05/01/19

1st DM 05/01/19
2nd BA 05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR844.D
Acq On : 30 Apr 2019 12:34 pm
Operator : JMisiurewicz
Sample : 80 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 01 08:53:57 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.733	152	111094	40.00	ppm	0.00
33) d8-Naphthalene	5.903	136	409743	40.00	ppm	0.00
57) d10-Acenaphthene	7.612	164	205062	40.00	ppm	0.00
91) d10-Phenanthrene	9.086	188	318535	40.00	ppm	0.00
117) d12-Chrysene	12.360	240	284078	40.00	ppm	0.00
135) d12-Perylene	15.298	264	284491	40.00	ppm	0.00
System Monitoring Compounds						
7) SURR1,2-FLUOROPHENOL	3.660	112	328643	81.33	ppm	0.00
Spiked Amount 100.000	Range 10 - 70		Recovery = 81.33%#			
12) SURR2,PHENOL-D6	4.424	99	408099	82.21	ppm	0.00
Spiked Amount 100.000	Range 10 - 107		Recovery = 82.21%			
34) SURR4,NITROBENZENE-D5	5.241	82	330150	79.40	ppm	0.00
Spiked Amount 50.000	Range 31 - 110		Recovery = 158.80%#			
63) SURR5,2-FLUOROBIPHENYL	6.944	172	609960	78.22	ppm	0.00
Spiked Amount 50.000	Range 31 - 118		Recovery = 156.44%#			
88) SURR3,2,4,6-TRIBROMOPH...	8.403	330	65942	78.53	ppm	0.00
Spiked Amount 100.000	Range 35 - 141		Recovery = 78.53%			
124) SURR6,TERPHENYL-D14	10.774	244	545637	81.53	ppm	0.00
Spiked Amount 50.000	Range 10 - 165		Recovery = 163.06%			
Target Compounds						Qvalue
2) Pyridine	2.608	79	376380	88.267	ppm	100
3) N-Nitrosodimethylamine	2.581	74	220543	85.036	ppm	100
4) 2-Picoline	3.190	93	361943	82.030	ppm	100
5) N-Nitrosomethylamine	3.281	42	141006	78.611	ppm	100
6) Methyl Methansulfonate	3.521	80	164037	81.611	ppm	100
8) N-Nitrosodiethylamine	3.831	102	160555	81.486	ppm	100
9) Ethyl Mathanesulfonate	4.076	79	264634	77.913	ppm	100
10) Benzaldehyde	4.365	106	219717	77.316	ppm	100
11) Aniline	4.456	93	516077	81.455	ppm	100
13) Phenol	4.434	94	441888	81.389	ppm	100
14) bis(2-Clethyl)Ether	4.493	93	294432	78.376	ppm	100
15) Pentachloroethane	4.493	117	121611	80.401	ppm	100
16) 2-Chlorophenol	4.562	128	346574	81.264	ppm	100
17) 1,3-Diclbenzene	4.685	146	355705	80.143	ppm	100
18) 1,4-Dichlorobenzene	4.749	146	367639	80.941	ppm	100
19) 1,2-Diclbenzene	4.883	146	345901	79.703	ppm	100
20) Benzyl Alcohol	4.861	79	234795	81.288	ppm	100
21) 1-Methyl-2-pyrrolidinone	4.894	99	218447	82.749	ppm	100
22) 2,2'-oxybis(1-Chloropr...	4.963	45	287632	79.683	ppm	100
23) 2-Methylphenol	4.974	108	299664	78.308	ppm	100
24) 3+4-Methylphenol	5.107	108	346543	80.038	ppm	100
25) Acetophenone	5.096	105	418092	77.743	ppm	100
26) N-Nitroso-Di-n-propyla...	5.091	70	221412	76.337	ppm	100
27) N-Nitrosopyrrolidine	5.096	100	168207	79.753	ppm	100
28) N-Nitrosomorpholine	5.123	56	156895	75.574	ppm	100
29) o-Toluidine	5.129	106	466192	78.062	ppm	100
30) Hexachloroethane	5.182	117	137561	78.684	ppm	100
31) o,o,o-Triethylphosphor...	5.631	198	143394	78.753	ppm	100
32) Alpha-terpinol	5.924	121	110881	78.152	ppm	100
35) Nitrobenzene	5.257	77	329303	78.862	ppm	100
36) N-Nitrosopiperidine	5.396	42	179943	79.271	ppm	100
37) Isophorone	5.470	82	558994	80.302	ppm	100
38) 2-Nitrophenol	5.545	139	179504	83.076	ppm	100

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR844.D
Acq On : 30 Apr 2019 12:34 pm
Operator : JMisiurewicz
Sample : 80 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 01 08:53:57 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) 2,4-Dimethylphenol	5.588	107	322041	82.762	ppm		100
40) bis(-2-Chloroethoxy)Me...	5.663	93	332522	81.244	ppm		100
41) Benzoic Acid	5.695	105	134604	80.159	ppm		94
42) 2,4-Dichlorophenol	5.785	162	259076	84.060	ppm		100
43) a,a-Dimethylphenethyla...	5.903	58	659304m	84.841	ppm		
44) 1,2,4-Trichlorobenzene	5.844	180	264242	81.315	ppm		100
45) Naphthalene	5.924	128	902601	79.924	ppm		100
46) 4-Chloroaniline	5.983	127	385441	81.565	ppm		100
47) 2,6-Dichlorophenol	5.988	162	260909	80.954	ppm		100
48) Hexachlorobutadiene	6.026	225	131095	79.619	ppm		100
49) Hexachloropropene	5.999	213	168191	81.754	ppm		100
50) 4-Chloro-3-methylphenol	6.469	107	254044	82.664	ppm		100
51) N-N-di-n-butylamine	6.288	84	194414	79.637	ppm		100
52) Caprolactam	6.346	113	93444	76.490	ppm		100
53) p-Phenylenediamine	6.341	80	67932	84.199	ppm		100
54) Safrole	6.501	162	236369	81.539	ppm		100
55) 2-Methylnaphthalene	6.592	142	592802	81.105	ppm		100
56) 1-Methylnaphthalene	6.688	142	542246	79.301	ppm		100
58) Hexachlorocyclopentadiene	6.731	237	117190	80.716	ppm		100
59) 1,2,4,5-Tetrachloroben...	6.752	216	238205	78.926	ppm		100
60) 1,2,3,4-Tetrachloroben...	7.030	216	251337	79.086	ppm		100
61) 2,4,6-Trichlorophenol	6.875	196	155958	81.585	ppm		100
62) 2,4,5-Trichlorophenol	6.928	196	168305	81.859	ppm		100
64) Isosafrole	7.009	104	101971	77.320	ppm	#	62
65) 1,1'-Biphenyl	7.046	154	717251	78.956	ppm		100
66) 2-Chloronaphthalene	7.073	162	512823	78.105	ppm		100
67) 2-Nitroaniline	7.185	65	141128	75.195	ppm		100
68) 1,4-Naphthoquinone	7.254	158	172344	83.613	ppm		100
69) m-Dinitrobenzene	7.398	168	101285	78.517	ppm		100
70) Acenaphthylene	7.479	152	821644	78.128	ppm		100
71) Dimethyl phthalate	7.345	163	572844	74.623	ppm		100
72) 2,6-Dinitrotoluene	7.420	165	132813	76.208	ppm		100
73) Acenaphthene	7.644	153	575749	78.700	ppm		100
74) 3-Nitroaniline	7.596	138	158445	79.087	ppm		100
75) 2,4-Dinitrophenol	7.708	184	54555	82.677	ppm		100
76) Dibenzofuran	7.815	168	715203	79.169	ppm		100
77) 2,4-Dinitrotoluene	7.820	165	183798	79.854	ppm		100
78) 4-Nitrophenol	7.810	65	110328	82.393	ppm		100
79) Pentachlorobenzene	7.772	250	190494	78.758	ppm		100
80) 1-Napthylamine	7.906	143	361879	76.065	ppm		100
81) 2-Napthylamine	7.986	143	463730	76.496	ppm		100
82) 2,3,4,6-Tetrachlorophenol	7.949	232	116398	82.848	ppm		100
83) Fluorene	8.157	166	564935	76.057	ppm		100
84) 4-Chlorophenyl-phenyle...	8.152	204	233614	77.960	ppm		100
85) Diethylphthalate	8.039	149	588104	77.358	ppm		100
86) 4-Nitroaniline	8.210	138	164156	83.070	ppm		100
87) 5-Nitro-o-toluidine	8.189	152	181063	80.711	ppm		100
89) Sulfotepp	8.419	322	73608	77.577	ppm		100
90) Octachlorocyclopentene	8.397	307	79068	81.859	ppm		100
92) Thionazin	8.120	107	95217	76.193	ppm		100
93) 4,6-Dinitro-2-methylph...	8.226	198	100320	81.703	ppm		100
94) Diphenylamine	8.274	169	873772	155.233	ppm		100
95) 1,2 Diphenylhydrazine	8.312	77	530964	74.741	ppm		100
96) N-Nitrosodiphenylamine	8.274	169	873772	155.233	ppm		100
97) 1,3,5-Trinirobenzene	8.600	74	82701	81.405	ppm		99
98) Diallate	8.547	86	211831	73.782	ppm		100

1st DM 05/01/19
2nd BA 05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR844.D
Acq On : 30 Apr 2019 12:34 pm
Operator : JMisiurewicz
Sample : 80 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 10 Sample Multiplier: 1

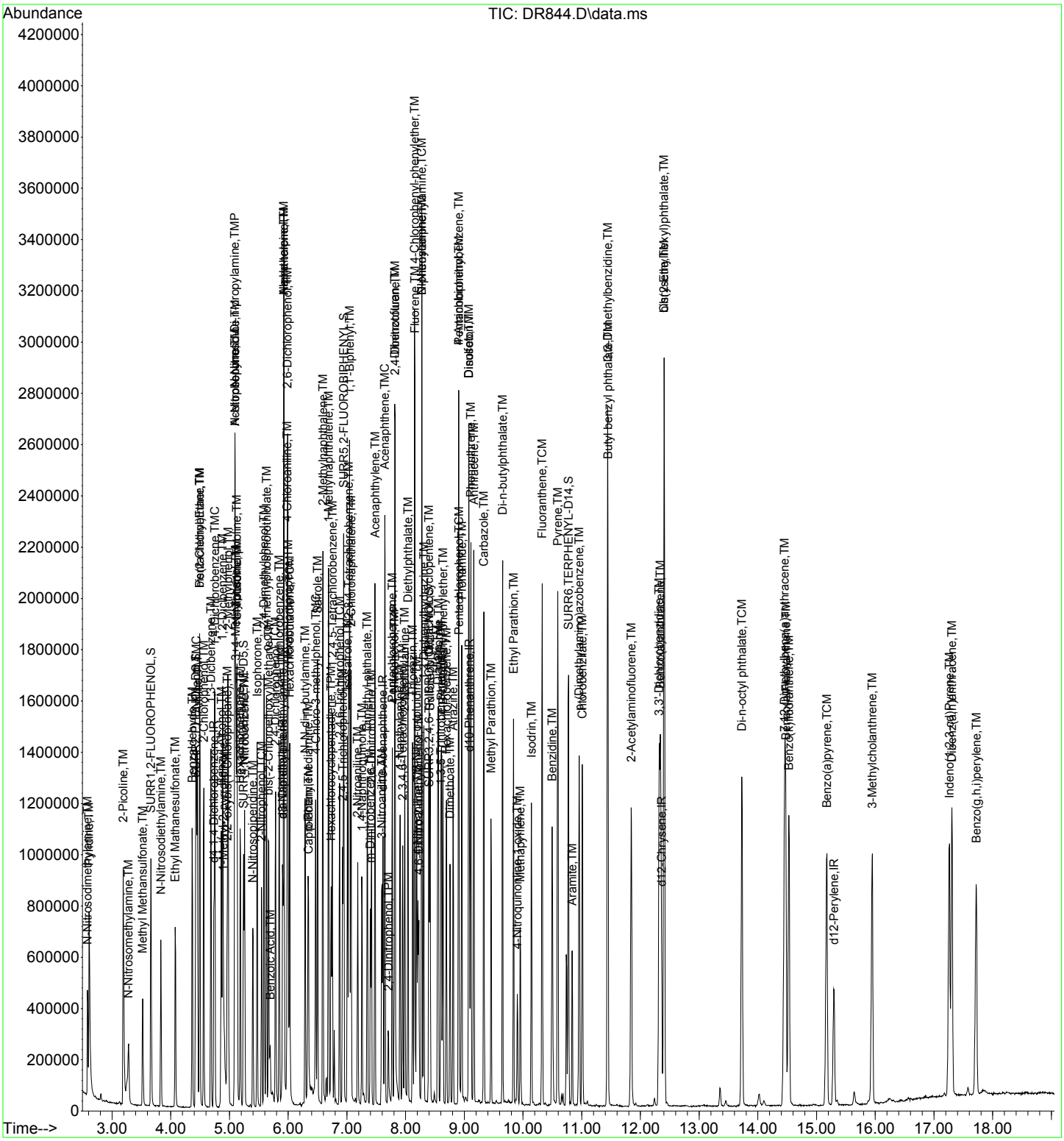
Quant Time: May 01 08:53:57 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
99) Phorate	8.557	121	111891	75.944	ppm	100
100) Phenacetin	8.611	108	297716	80.209	ppm	100
101) 4-Bromophenyl-phenylether	8.638	248	127565	76.589	ppm	100
102) Hexachlorobenzene	8.696	284	140131	74.815	ppm	100
103) Dimethoate	8.755	87	186500	76.628	ppm	100
104) Atrazine	8.809	215	71495	78.500	ppm	100
105) Pentachlorophenol	8.910	266	56841	81.989	ppm	100
106) 4-Aminobiphenyl	8.905	169	462487	80.861	ppm	100
107) Pentachloronitrobenzene	8.905	237	56797	82.082	ppm	100
108) Pronamide	8.958	173	272179	83.573	ppm	100
109) Dinoseb	9.076	211	134438	83.187	ppm	100
110) Disulfoton	9.076	88	267536	72.456	ppm	100
111) Phenanthrene	9.113	178	785410	77.967	ppm	100
112) Anthracene	9.161	178	786077	78.536	ppm	100
113) Carbazole	9.332	167	791248	80.478	ppm	100
114) Di-n-butylphthalate	9.652	149	1008750	79.378	ppm	100
115) 4-Nitroquinonline-1-oxide	9.903	190	49818	83.608	ppm	100
116) Fluoranthene	10.325	202	835629	81.027	ppm	100
118) Methyl Parathion	9.455	109	183402	81.434	ppm	100
119) Ethyl Parathion	9.839	97	135214	80.357	ppm	100
120) Methapyrilene	9.952	58	195727	79.959	ppm	100
121) Isodrin	10.144	193	83187	80.091	ppm	100
122) Benzidine	10.496	184	562198	84.341	ppm	100
123) Pyrene	10.592	202	871472	83.541	ppm	100
125) Aramite	10.838	185	116877m	81.757	ppm	
126) p-(Dimethylamino)azobe...	10.956	120	267727	86.391	ppm	100
127) Chlorobenzilate	11.009	139	302142	83.455	ppm	100
128) Butyl benzyl phthalate	11.447	149	468336	80.931	ppm	100
129) 3,3-Dimethylbenzidine	11.442	212	531704	83.799	ppm	100
130) 2-Acetylaminofluorene	11.842	181	388225	84.001	ppm	100
131) 3,3'-Dichlorobenzidine	12.318	252	306168	81.027	ppm	100
132) Benzo(a)anthracene	12.339	228	773134	80.150	ppm	100
133) Chrysene	12.403	228	712779	80.322	ppm	100
134) bis(2-Ethylhexyl)phtha...	12.403	149	645437	81.041	ppm	100
136) Di-n-octyl phthalate	13.728	149	1089722	80.711	ppm	100
137) 7,12-Dimethylbenz(a)an...	14.454	256	354463	82.419	ppm	100
138) Benzo(b)Fluoranthene	14.475	252	769221	81.251	ppm	100
139) Benzo(k)fluoranthene	14.529	252	736138	82.097	ppm	100
140) Benzo(a)pyrene	15.175	252	662670	81.392	ppm	100
141) 3-Methylcholanthrene	15.950	268	389332	81.648	ppm	100
142) Indeno(1,2,3-cd)Pyrene	17.263	276	634202	79.429	ppm	100
143) Dibenz(a,h)anthracene	17.306	278	677770	81.016	ppm	100
144) Benzo(g,h,i)perylene	17.723	276	548987	79.777	ppm	100

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

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR844.D
Acq On : 30 Apr 2019 12:34 pm
Operator : JMisiurewicz
Sample : 80 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 10 Sample Multiplier: 1

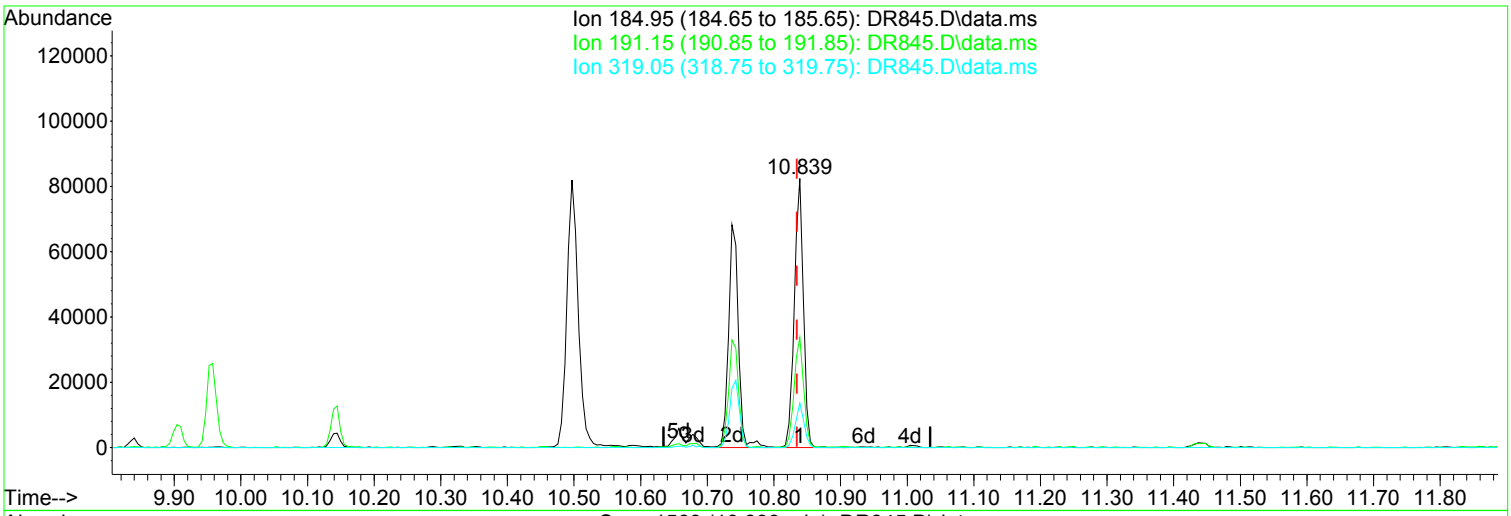
Quant Time: May 01 08:53:57 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration

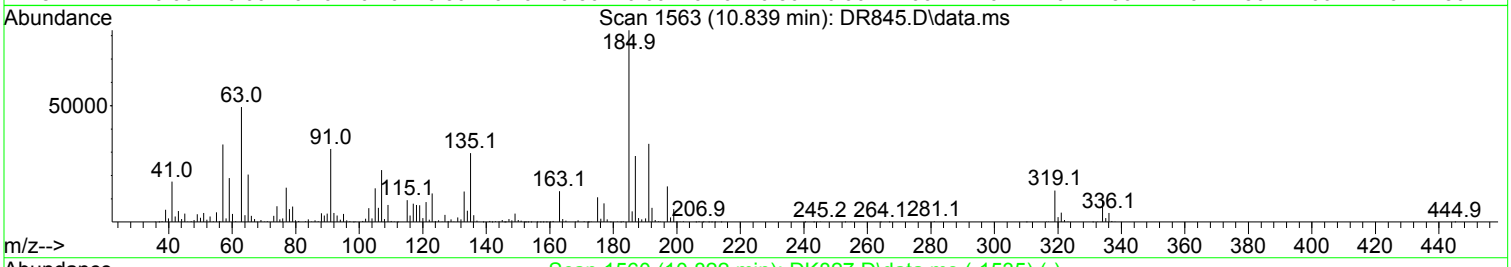


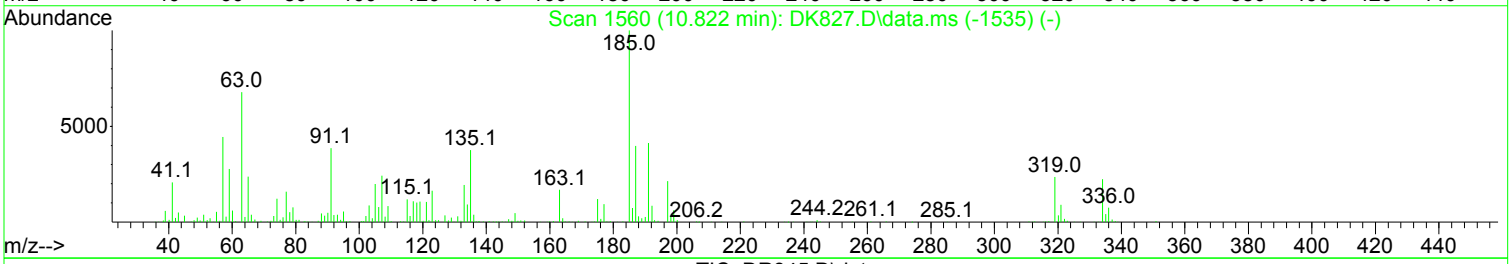
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR845.D
Acq On : 30 Apr 2019 1:03 pm
Operator : JMisiurewicz
Sample : 100 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 01 08:54:02 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration







TIC: DR845.D\data.ms

(125) Aramite (TM)

10.839min (+ 0.004) 102.06 ppm m

response 147188

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	41.00	40.89
319.05	16.80	16.51
0.00	0.00	0.00

Manual Integration:

After

Split Peak.

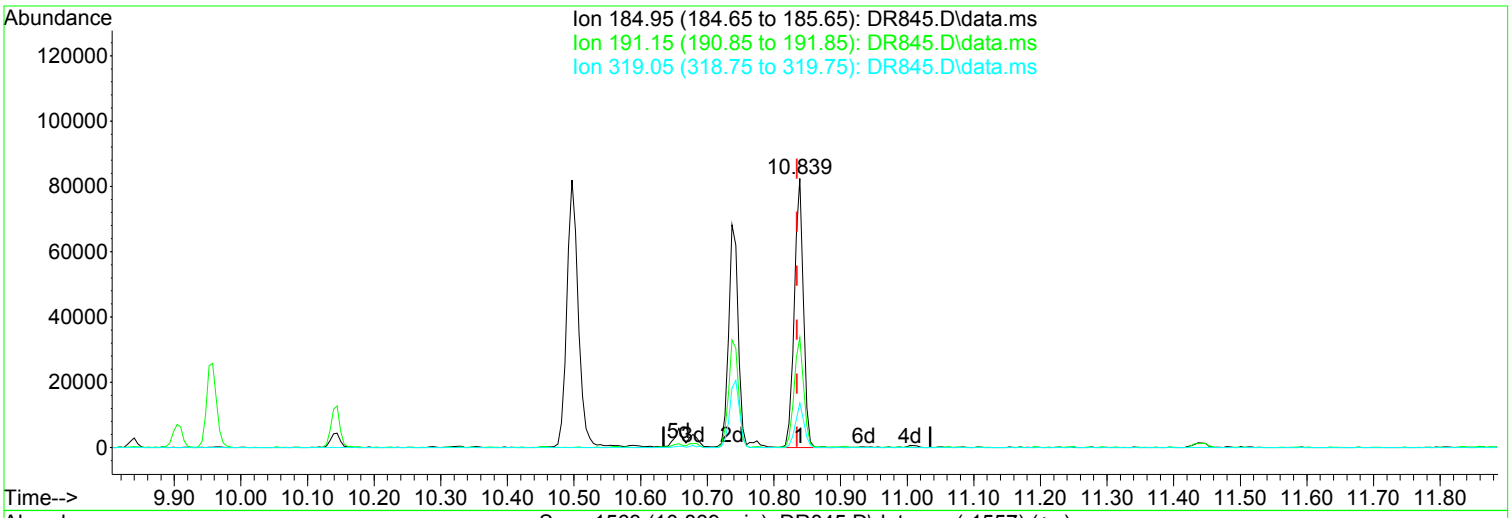
05/01/19

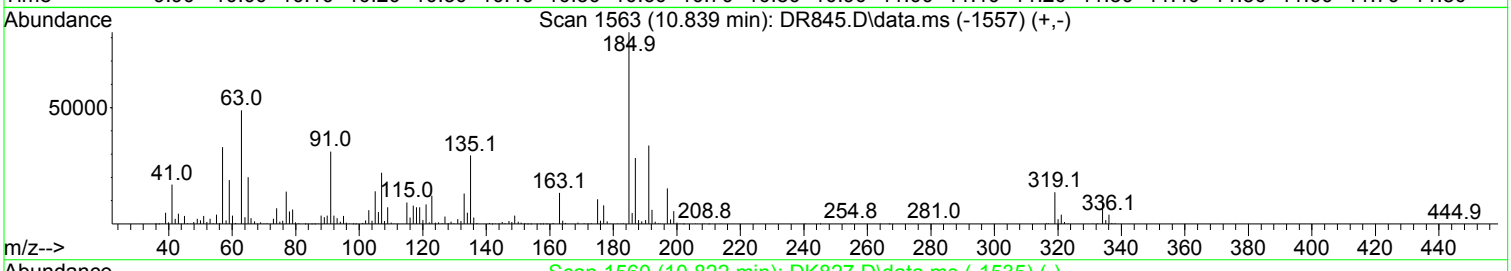
1st DM 05/01/19
2nd BA 05/01/19

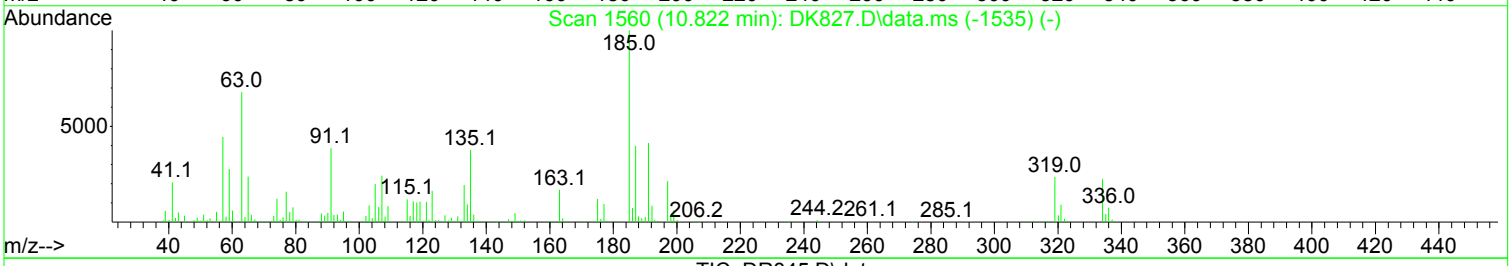
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR845.D
Acq On : 30 Apr 2019 1:03 pm
Operator : JMisiurewicz
Sample : 100 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 01 08:54:02 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration







TIC: DR845.D\data.ms

(125) Aramite (TM)

10.839min (+ 0.004) 54.24 ppm

response 78224

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	41.00	40.65
319.05	16.80	16.51
0.00	0.00	0.00

Manual Integration:

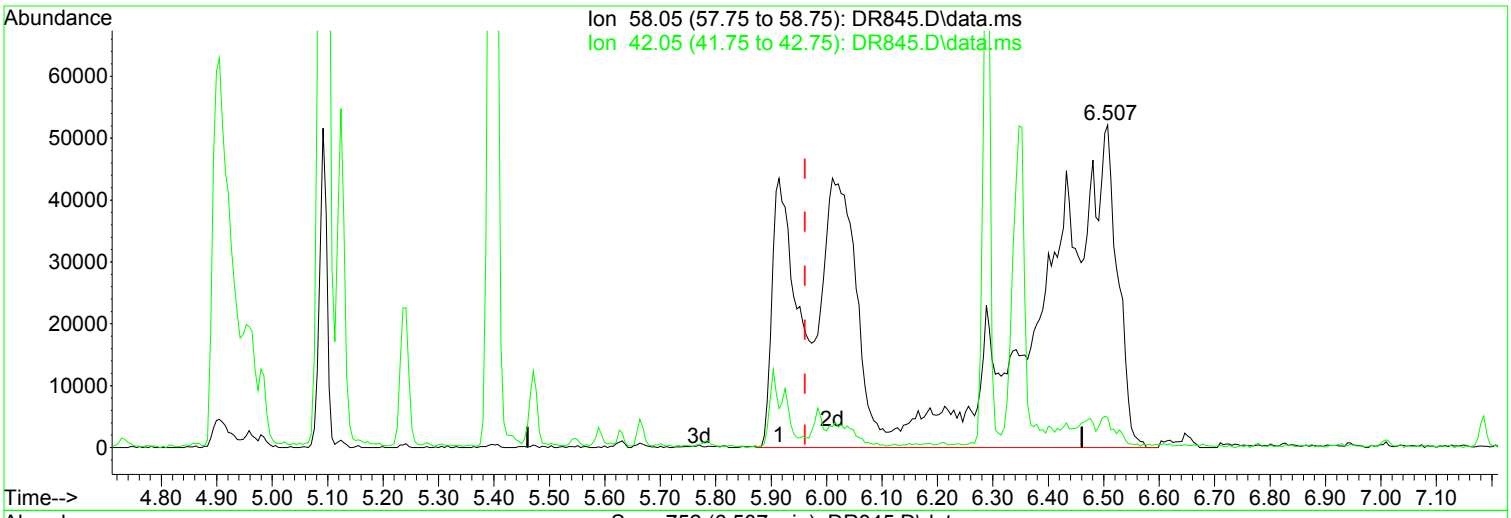
Before

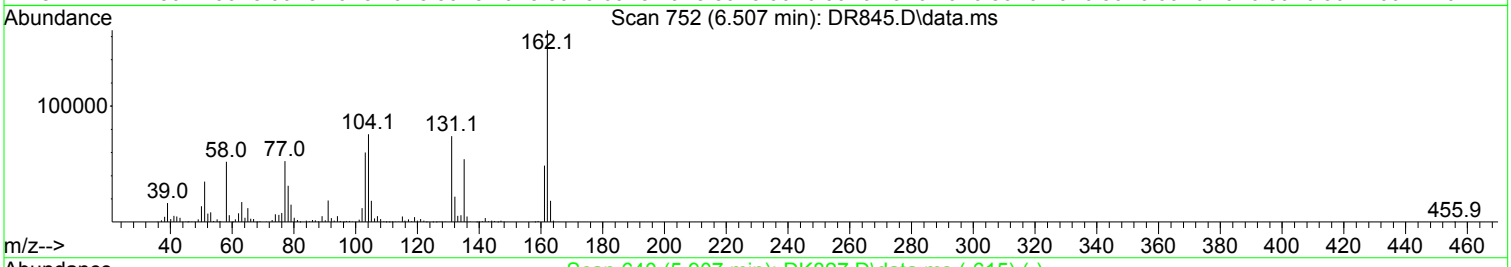
05/01/19

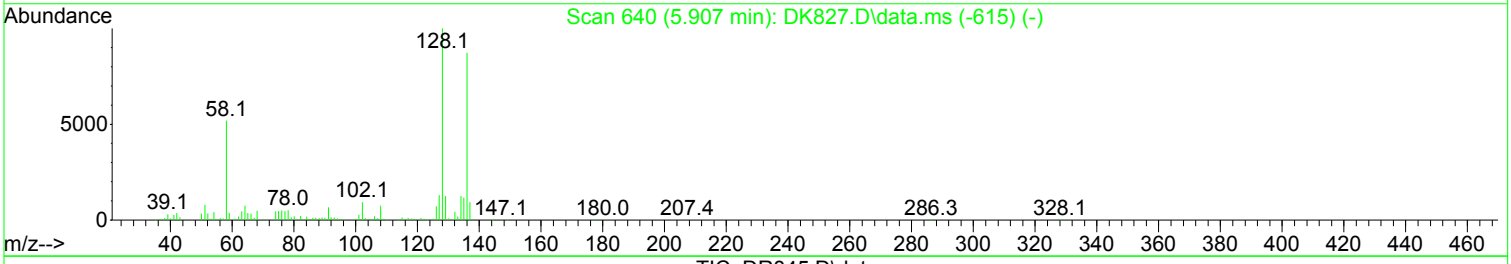
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR845.D
Acq On : 30 Apr 2019 1:03 pm
Operator : JMisiurewicz
Sample : 100 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 01 08:54:02 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration







TIC: DR845.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

6.507min (+ 0.546) 99.84 ppm m

response 796456

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	30.40	9.29
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

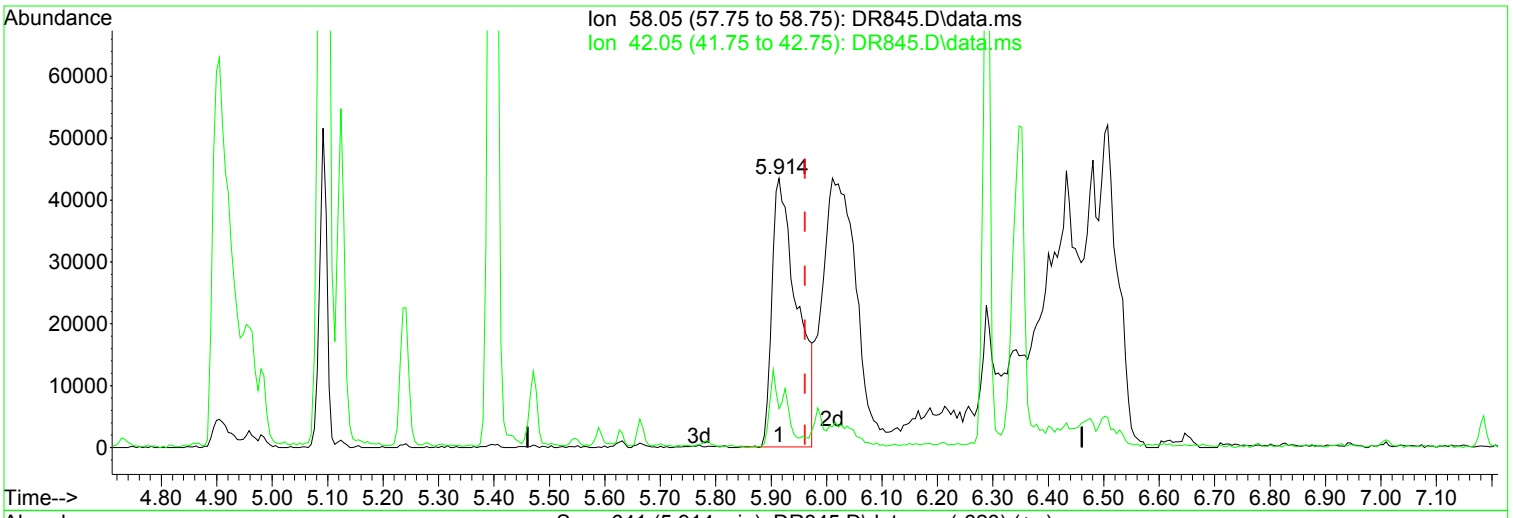
Poor integration.

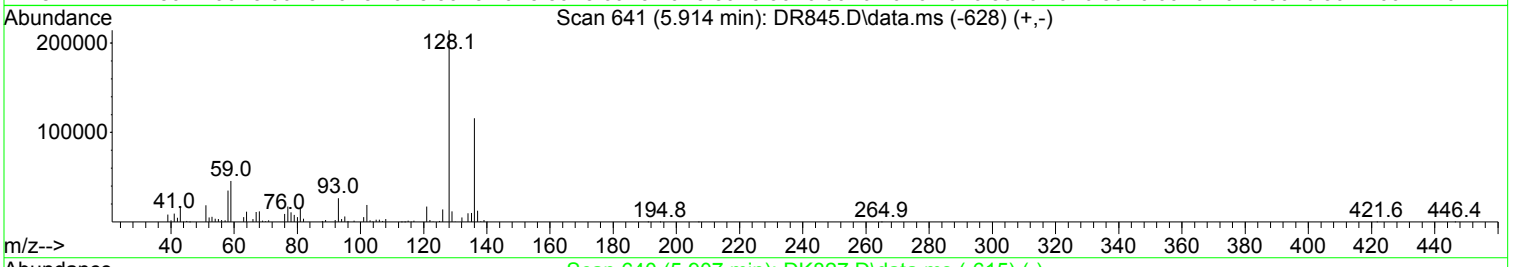
05/01/19

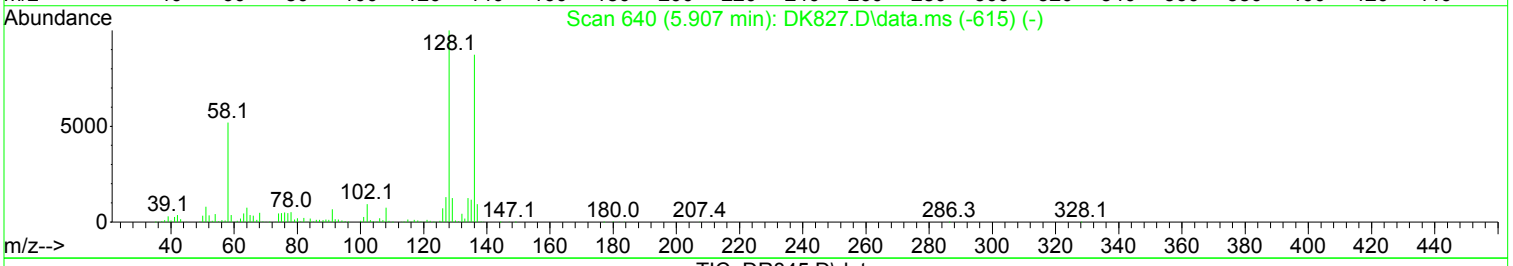
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR845.D
Acq On : 30 Apr 2019 1:03 pm
Operator : JMisiurewicz
Sample : 100 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 01 08:54:02 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration







TIC: DR845.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

5.914min (-0.047) 17.09 ppm

response 136308

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	30.40	13.79
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

05/01/19

1st DM 05/01/19
2nd BA 05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR845.D
Acq On : 30 Apr 2019 1:03 pm
Operator : JMisiurewicz
Sample : 100 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 01 08:54:02 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.734	152	109457	40.00	ppm	0.00
33) d8-Naphthalene	5.904	136	420623	40.00	ppm	0.00
57) d10-Acenaphthene	7.613	164	206728	40.00	ppm	0.00
91) d10-Phenanthrene	9.087	188	321848	40.00	ppm	0.00
117) d12-Chrysene	12.361	240	286588	40.00	ppm	0.00
135) d12-Perylene	15.293	264	283552	40.00	ppm	0.00
System Monitoring Compounds						
7) SURR1,2-FLUOROPHENOL	3.660	112	397380	99.81	ppm	0.00
Spiked Amount 100.000	Range 10 - 70		Recovery = 99.81%#			
12) SURR2,PHENOL-D6	4.424	99	495554	101.31	ppm	0.00
Spiked Amount 100.000	Range 10 - 107		Recovery = 101.31%			
34) SURR4,NITROBENZENE-D5	5.241	82	399227	93.53	ppm	0.00
Spiked Amount 50.000	Range 31 - 110		Recovery = 187.06%#			
63) SURR5,2-FLUOROBIPHENYL	6.945	172	757488	96.36	ppm	0.00
Spiked Amount 50.000	Range 31 - 118		Recovery = 192.72%#			
88) SURR3,2,4,6-TRIBROMOPH...	8.403	330	82636	97.62	ppm	0.00
Spiked Amount 100.000	Range 35 - 141		Recovery = 97.62%			
124) SURR6,TERPHENYL-D14	10.775	244	685479	101.53	ppm	0.00
Spiked Amount 50.000	Range 10 - 165		Recovery = 203.06%#			
Target Compounds						Qvalue
2) Pyridine	2.608	79	445323	105.997	ppm	99
3) N-Nitrosodimethylamine	2.581	74	269479	105.459	ppm	96
4) 2-Picoline	3.190	93	427285	98.288	ppm	96
5) N-Nitrosomethylamine	3.276	42	171847	97.237	ppm	90
6) Methyl Methansulfonate	3.521	80	204172	103.098	ppm	97
8) N-Nitrosodiethylamine	3.831	102	195112	100.506	ppm	98
9) Ethyl Mathanesulfonate	4.077	79	322226	96.288	ppm	99
10) Benzaldehyde	4.365	106	266582	95.210	ppm	99
11) Aniline	4.456	93	631154	101.107	ppm	100
13) Phenol	4.435	94	531699	99.395	ppm	98
14) bis(2-Clethyl)Ether	4.494	93	352753	95.305	ppm	99
15) Pentachloroethane	4.488	117	145001	97.299	ppm	93
16) 2-Chlorophenol	4.563	128	420052	99.965	ppm	99
17) 1,3-Diclbenzene	4.680	146	434762	99.420	ppm	99
18) 1,4-Dichlorobenzene	4.750	146	439505	98.210	ppm	97
19) 1,2-Diclbenzene	4.883	146	424944	99.381	ppm	99
20) Benzyl Alcohol	4.862	79	297009	104.365	ppm	99
21) 1-Methyl-2-pyrrolidinone	4.905	99	266137	102.322	ppm	96
22) 2,2'-oxybis(1-Chloropr...	4.964	45	344701	96.921	ppm	96
23) 2-Methylphenol	4.980	108	360667	95.659	ppm	99
24) 3+4-Methylphenol	5.113	108	417136	97.783	ppm	98
25) Acetophenone	5.097	105	508872	96.038	ppm	98
26) N-Nitroso-Di-n-propyla...	5.092	70	278889	97.591	ppm	100
27) N-Nitrosopyrrolidine	5.097	100	202587	97.490	ppm	89
28) N-Nitrosomorpholine	5.124	56	195131	95.397	ppm	98
29) o-Toluidine	5.129	106	581032	98.747	ppm	93
30) Hexachloroethane	5.183	117	168352	97.737	ppm	98
31) o,o,o-Triethylphosphor...	5.631	198	177230	98.792	ppm	98
32) Alpha-terpinol	5.925	121	136732	97.814	ppm	97
35) Nitrobenzene	5.257	77	398508	92.966	ppm	98
36) N-Nitrosopiperidine	5.396	42	225618	96.822	ppm	94
37) Isophorone	5.471	82	684183	95.744	ppm	99
38) 2-Nitrophenol	5.546	139	219228	98.836	ppm	100

1st DM 05/01/19
2nd BA 05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR845.D
Acq On : 30 Apr 2019 1:03 pm
Operator : JMisiurewicz
Sample : 100 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 01 08:54:02 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39)	2,4-Dimethylphenol	5.588	107	389988	97.632	ppm		98
40)	bis(-2-Chloroethoxy)Me...	5.663	93	407625	97.018	ppm		99
41)	Benzoic Acid	5.701	105	181841	100.750	ppm		98
42)	2,4-Dichlorophenol	5.786	162	316719	100.105	ppm		99
43)	a,a-Dimethylphenethyla...	6.507	58	796456m	99.839	ppm		
44)	1,2,4-Trichlorobenzene	5.845	180	322841	96.777	ppm		98
45)	Naphthalene	5.925	128	1106685	95.460	ppm		99
46)	4-Chloroaniline	5.984	127	472643	97.432	ppm		98
47)	2,6-Dichlorophenol	5.989	162	330909	100.018	ppm		97
48)	Hexachlorobutadiene	6.026	225	159911	94.608	ppm		100
49)	Hexachloropropene	6.000	213	204175	96.678	ppm		99
50)	4-Chloro-3-methylphenol	6.470	107	309999	98.262	ppm		85
51)	N-N-di-n-butylamine	6.288	84	240177	95.838	ppm		96
52)	Caprolactam	6.352	113	118294	94.327	ppm		98
53)	p-Phenylenediamine	6.342	80	79871	96.437	ppm		93
54)	Safrole	6.502	162	301477	101.310	ppm		95
55)	2-Methylnaphthalene	6.593	142	721249	96.126	ppm		98
56)	1-Methylnaphthalene	6.689	142	678178	96.615	ppm		99
58)	Hexachlorocyclopentadiene	6.731	237	151756	101.110	ppm		99
59)	1,2,4,5-Tetrachloroben...	6.753	216	299645	98.483	ppm		99
60)	1,2,3,4-Tetrachloroben...	7.031	216	312004	97.384	ppm		99
61)	2,4,6-Trichlorophenol	6.876	196	199664	103.607	ppm		93
62)	2,4,5-Trichlorophenol	6.929	196	211791	102.179	ppm		97
64)	Isosafrole	7.009	104	127160	95.643	ppm		98
65)	1,1'-Biphenyl	7.047	154	886702	96.823	ppm		99
66)	2-Chloronaphthalene	7.068	162	634011	95.784	ppm		98
67)	2-Nitroaniline	7.185	65	173788	91.851	ppm		98
68)	1,4-Naphthoquinone	7.255	158	199712	96.109	ppm		84
69)	m-Dinitrobenzene	7.399	168	130927	100.677	ppm		100
70)	Acenaphthylene	7.479	152	1021941	96.391	ppm		100
71)	Dimethyl phthalate	7.346	163	711077	91.884	ppm		100
72)	2,6-Dinitrotoluene	7.420	165	174278	99.195	ppm		96
73)	Acenaphthene	7.645	153	709785	96.239	ppm		99
74)	3-Nitroaniline	7.597	138	200747	99.394	ppm		96
75)	2,4-Dinitrophenol	7.704	184	73107	101.037	ppm		94
76)	Dibenzofuran	7.816	168	883878	97.051	ppm		98
77)	2,4-Dinitrotoluene	7.821	165	233202	100.502	ppm		92
78)	4-Nitrophenol	7.810	65	131899	97.708	ppm	#	62
79)	Pentachlorobenzene	7.773	250	241221	98.927	ppm		98
80)	1-Napthylamine	7.907	143	445596	92.907	ppm		99
81)	2-Napthylamine	7.987	143	589167	96.405	ppm		98
82)	2,3,4,6-Tetrachlorophenol	7.949	232	145153	102.482	ppm		97
83)	Fluorene	8.158	166	709836	94.795	ppm		100
84)	4-Chlorophenyl-phenyle...	8.152	204	287226	95.079	ppm		99
85)	Diethylphthalate	8.040	149	741803	96.789	ppm		98
86)	4-Nitroaniline	8.211	138	202375	101.585	ppm		96
87)	5-Nitro-o-toluidine	8.190	152	227934	100.785	ppm		98
89)	Sulfotepp	8.419	322	92607	96.814	ppm		95
90)	Octachlorocyclopentene	8.393	307	98252	100.901	ppm		96
92)	Thionazin	8.120	107	118942	94.198	ppm		98
93)	4,6-Dinitro-2-methylph...	8.227	198	129465	104.354	ppm		97
94)	Diphenylamine	8.275	169	1088988	191.476	ppm		98
95)	1,2 Diphenylhydrazine	8.307	77	654364	91.163	ppm		95
96)	N-Nitrosodiphenylamine	8.275	169	1088988	191.476	ppm		98
97)	1,3,5-Trinirobenzene	8.606	74	101938	99.308	ppm		94
98)	Diallate	8.547	86	262442	90.469	ppm		99

1st DM 05/01/19
2nd BA 05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR845.D
Acq On : 30 Apr 2019 1:03 pm
Operator : JMisiurewicz
Sample : 100 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 01 08:54:02 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration

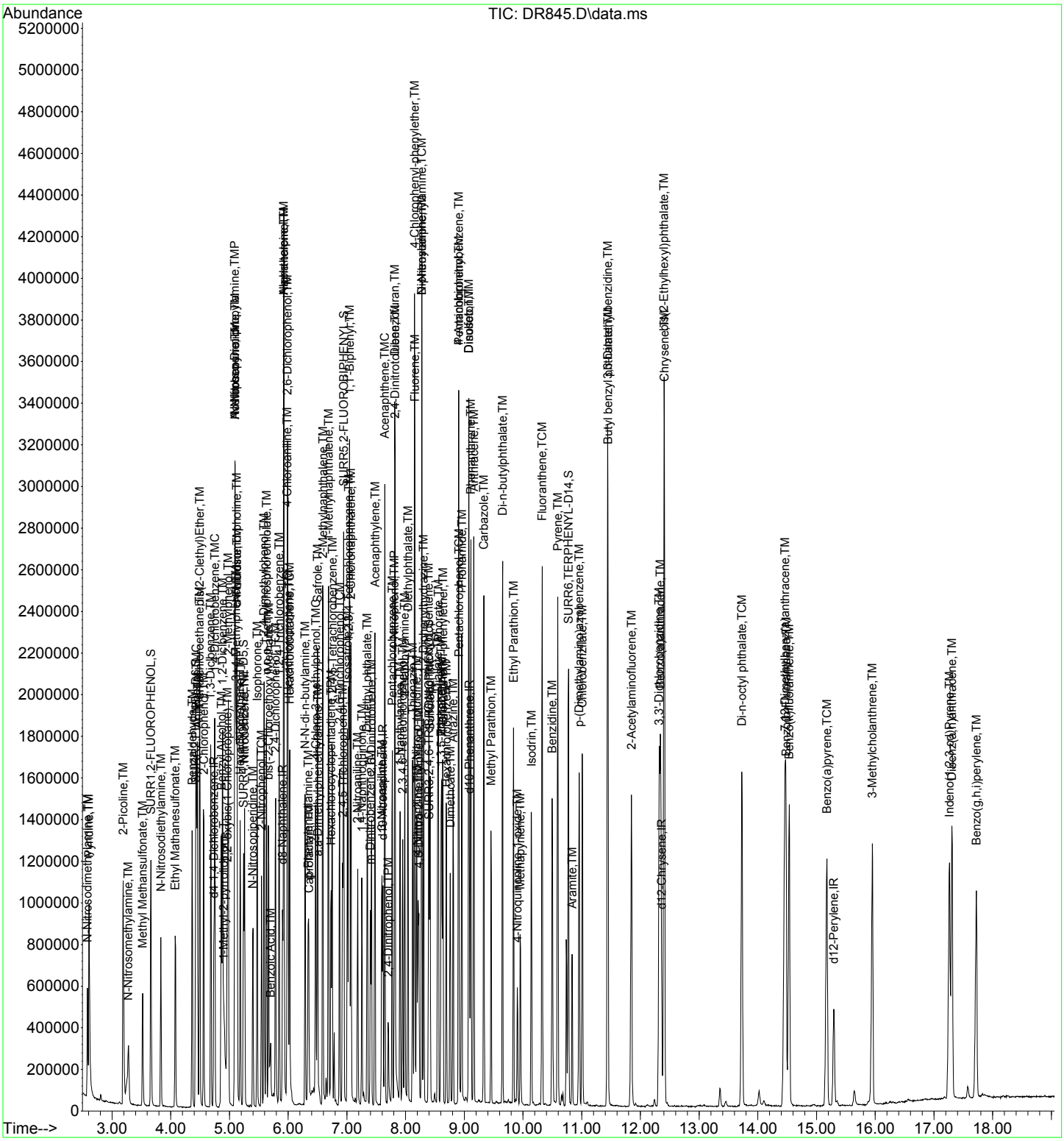
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
99) Phorate	8.558	121	137502	92.367	ppm	97
100) Phenacetin	8.617	108	368881	98.359	ppm	97
101) 4-Bromophenyl-phenylether	8.638	248	158468	94.164	ppm	97
102) Hexachlorobenzene	8.697	284	173023	91.425	ppm	94
103) Dimethoate	8.761	87	225714	91.785	ppm	98
104) Atrazine	8.809	215	88572	96.249	ppm	98
105) Pentachlorophenol	8.911	266	73288	99.843	ppm	97
106) 4-Aminobiphenyl	8.905	169	575554	99.594	ppm	99
107) Pentachloronitrobenzene	8.905	237	73107	104.565	ppm	99
108) Pronamide	8.959	173	341727	103.848	ppm	99
109) Dinoseb	9.076	211	166760	102.124	ppm	96
110) Disulfoton	9.076	88	333707	89.447	ppm	98
111) Phenanthrene	9.114	178	986591	96.930	ppm	100
112) Anthracene	9.162	178	981876	97.088	ppm	99
113) Carbazole	9.333	167	968432	97.485	ppm	100
114) Di-n-butylphthalate	9.653	149	1276686	99.428	ppm	99
115) 4-Nitroquinonline-1-oxide	9.904	190	66597	110.617	ppm	97
116) Fluoranthene	10.326	202	1048290	100.601	ppm	100
118) Methyl Parathion	9.455	109	222878	98.095	ppm	99
119) Ethyl Parathion	9.840	97	167044	98.404	ppm	96
120) Methapyrilene	9.952	58	234558	94.983	ppm	100
121) Isodrin	10.144	193	106211	101.362	ppm	98
122) Benzidine	10.497	184	692387	102.962	ppm	100
123) Pyrene	10.593	202	1088946	103.474	ppm	99
125) Aramite	10.839	185	147188m	102.058	ppm	
126) p-(Dimethylamino)azobe...	10.956	120	335183	107.210	ppm	94
127) Chlorobenzilate	11.010	139	375294	102.753	ppm	99
128) Butyl benzyl phthalate	11.448	149	579692	99.296	ppm	99
129) 3,3-Dimethylbenzidine	11.442	212	663318	103.626	ppm	99
130) 2-Acetylaminofluorene	11.848	181	484732	103.964	ppm	100
131) 3,3'-Dichlorobenzidine	12.318	252	385310	101.079	ppm	98
132) Benzo(a)anthracene	12.340	228	945968	97.209	ppm	99
133) Chrysene	12.409	228	871230	97.318	ppm	99
134) bis(2-Ethylhexyl)phtha...	12.404	149	798808	99.420	ppm	99
136) Di-n-octyl phthalate	13.728	149	1386478	103.031	ppm	100
137) 7,12-Dimethylbenz(a)an...	14.460	256	436078	101.732	ppm	97
138) Benzo(b)Fluoranthene	14.481	252	945047	100.153	ppm	99
139) Benzo(k)fluoranthene	14.535	252	894547	100.094	ppm	99
140) Benzo(a)pyrene	15.176	252	833780	102.747	ppm	99
141) 3-Methylcholanthrene	15.950	268	482327	101.485	ppm	97
142) Indeno(1,2,3-cd)Pyrene	17.264	276	791258	99.427	ppm	95
143) Dibenz(a,h)anthracene	17.307	278	812957	97.497	ppm	99
144) Benzo(g,h,i)perylene	17.723	276	654462	95.419	ppm	97

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

1st DM 05/01/19
2nd BA 05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR845.D
Acq On : 30 Apr 2019 1:03 pm
Operator : JMisiurewicz
Sample : 100 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 11 Sample Multiplier: 1

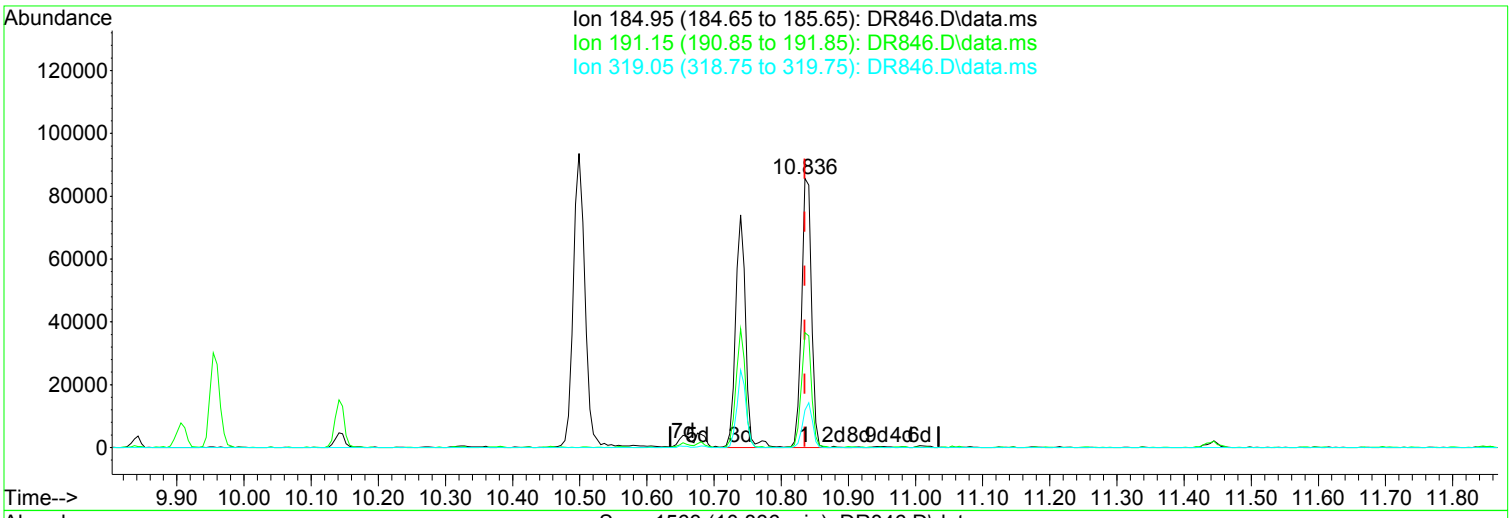
Quant Time: May 01 08:54:02 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration

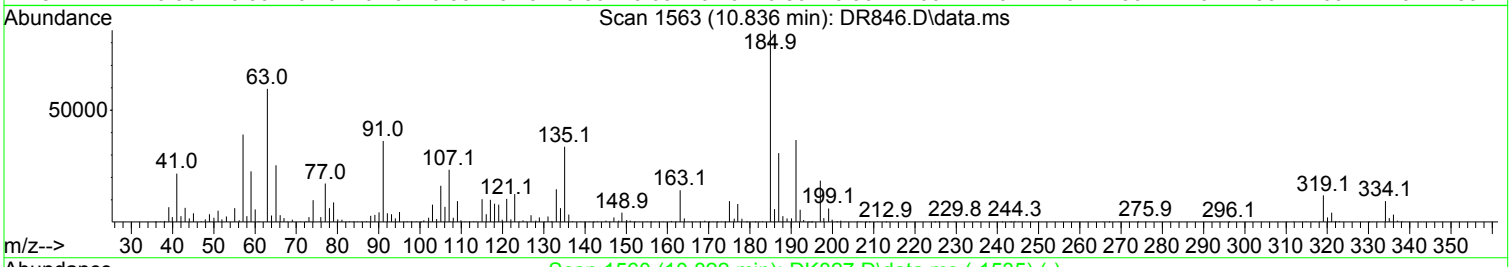


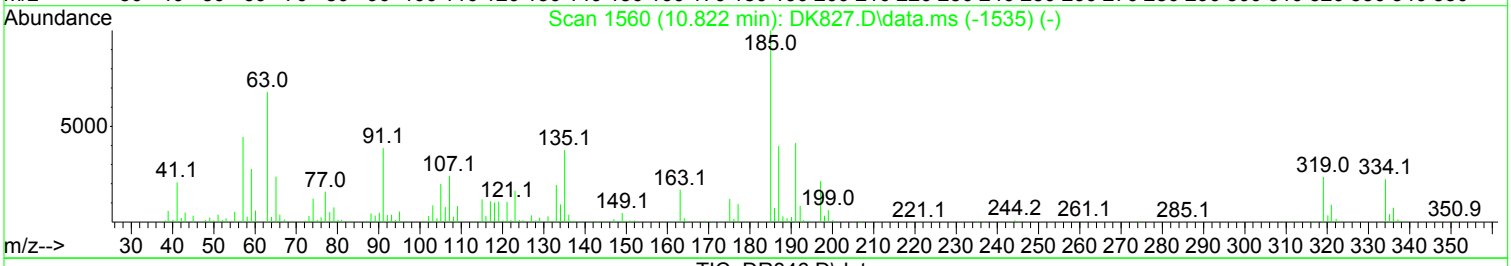
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR846.D
Acq On : 30 Apr 2019 1:33 pm
Operator : JMisiurewicz
Sample : 120 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 01 08:54:07 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration







TIC: DR846.D\data.ms

(125) Aramite (TM)

10.836min (+ 0.001) 115.63 ppm m

response 164803

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	41.00	42.74
319.05	16.80	13.91
0.00	0.00	0.00

Manual Integration:

After

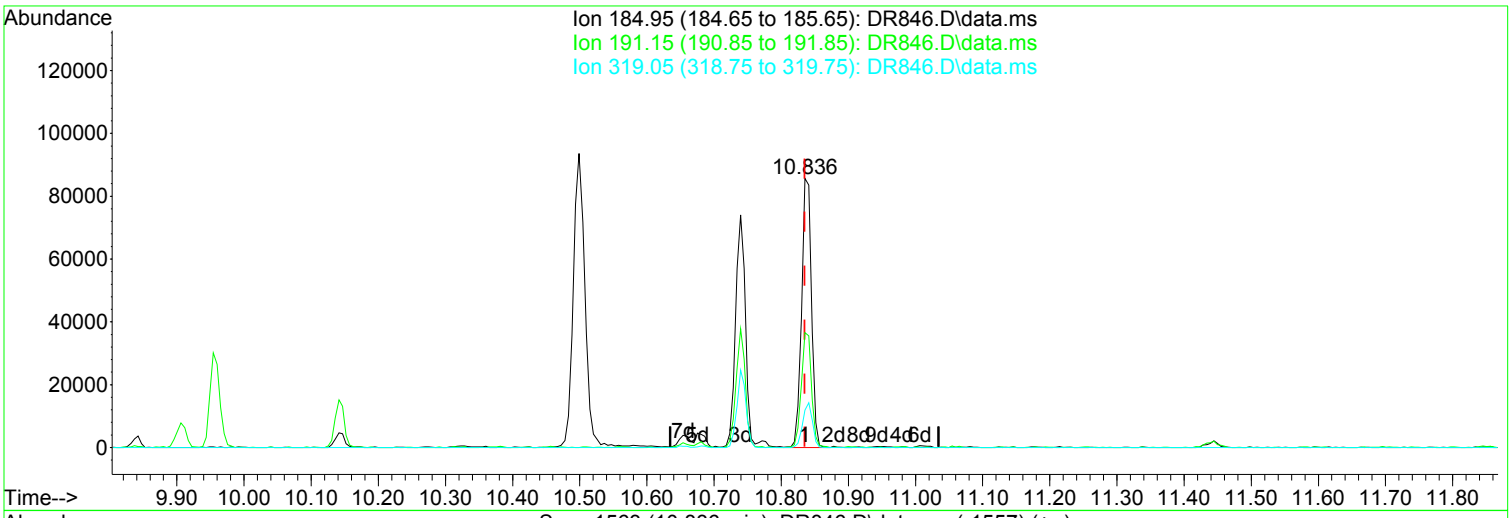
Split Peak.

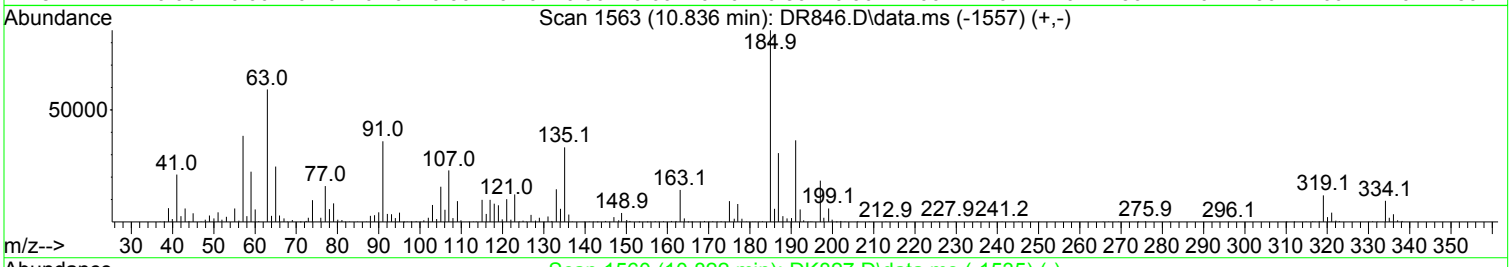
05/01/19

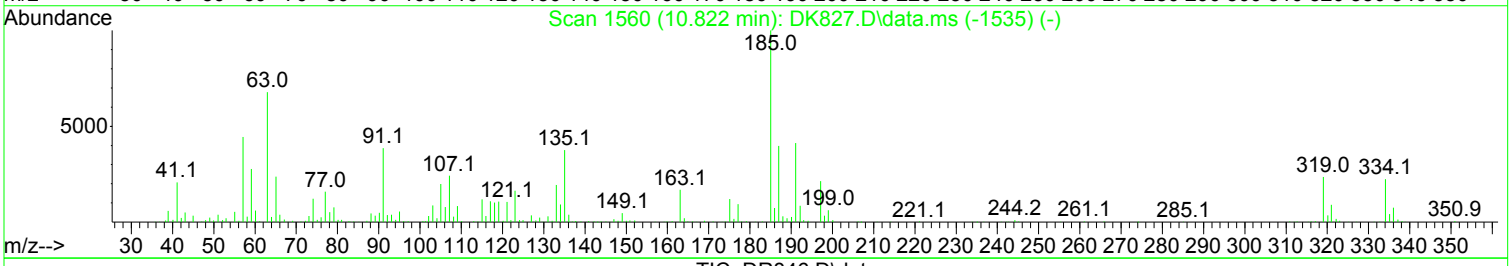
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR846.D
Acq On : 30 Apr 2019 1:33 pm
Operator : JMisiurewicz
Sample : 120 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 01 08:54:07 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration







TIC: DR846.D\data.ms

(125) Aramite (TM)

10.836min (+ 0.001) 61.01 ppm

response 86950

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	41.00	42.61
319.05	16.80	13.92
0.00	0.00	0.00

Manual Integration:

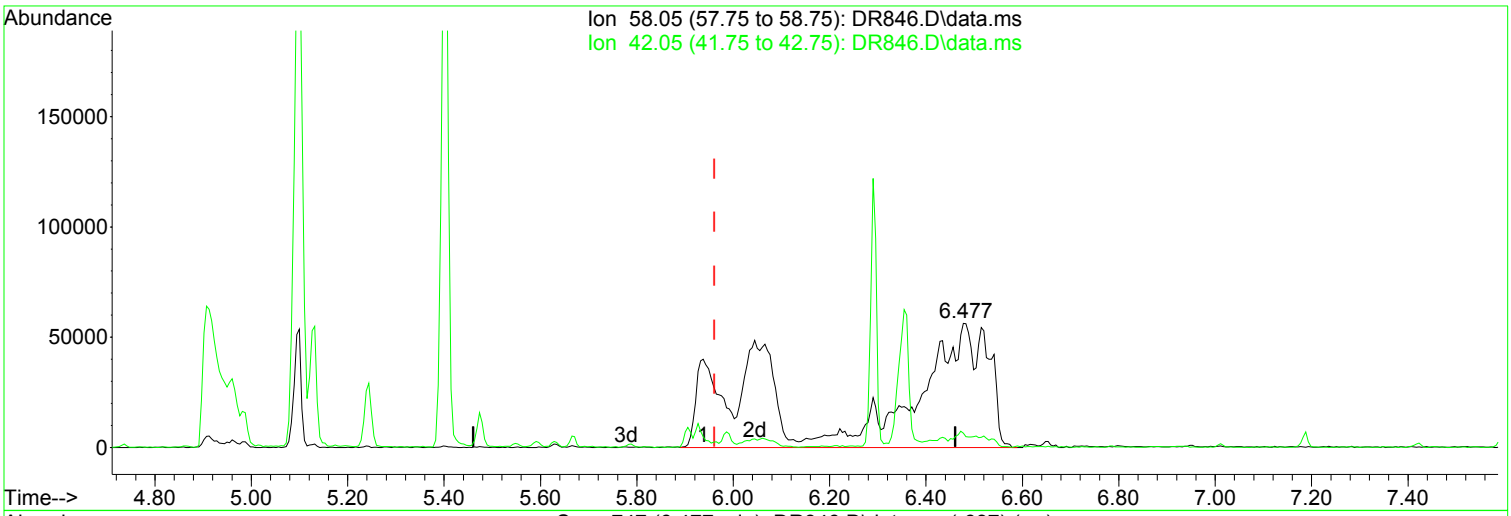
Before

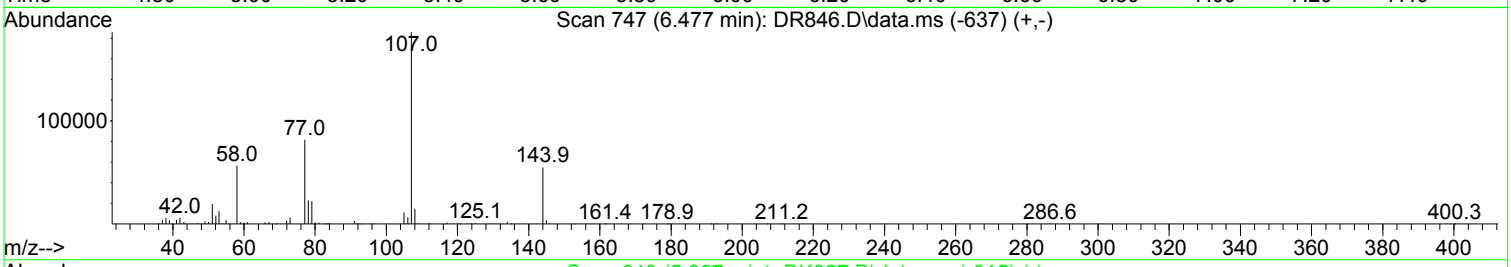
05/01/19

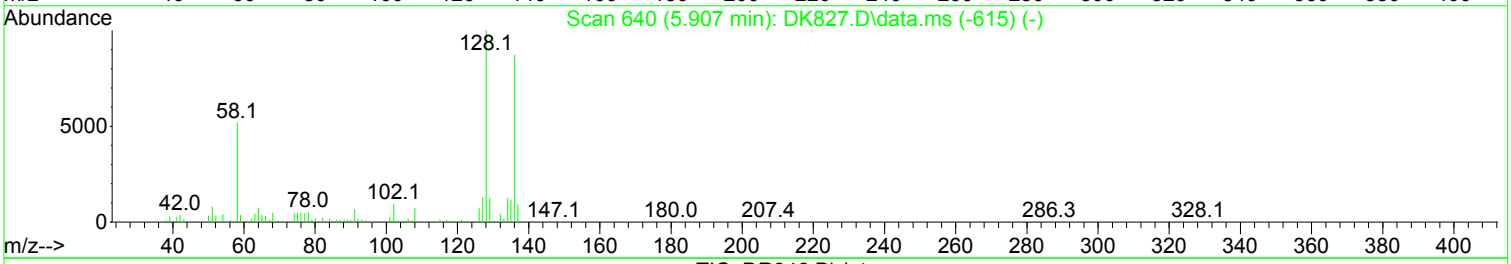
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR846.D
Acq On : 30 Apr 2019 1:33 pm
Operator : JMisiurewicz
Sample : 120 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 01 08:54:07 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration







TIC: DR846.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

6.477min (+ 0.516) 113.34 ppm m

response 906641

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	30.40	11.47
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

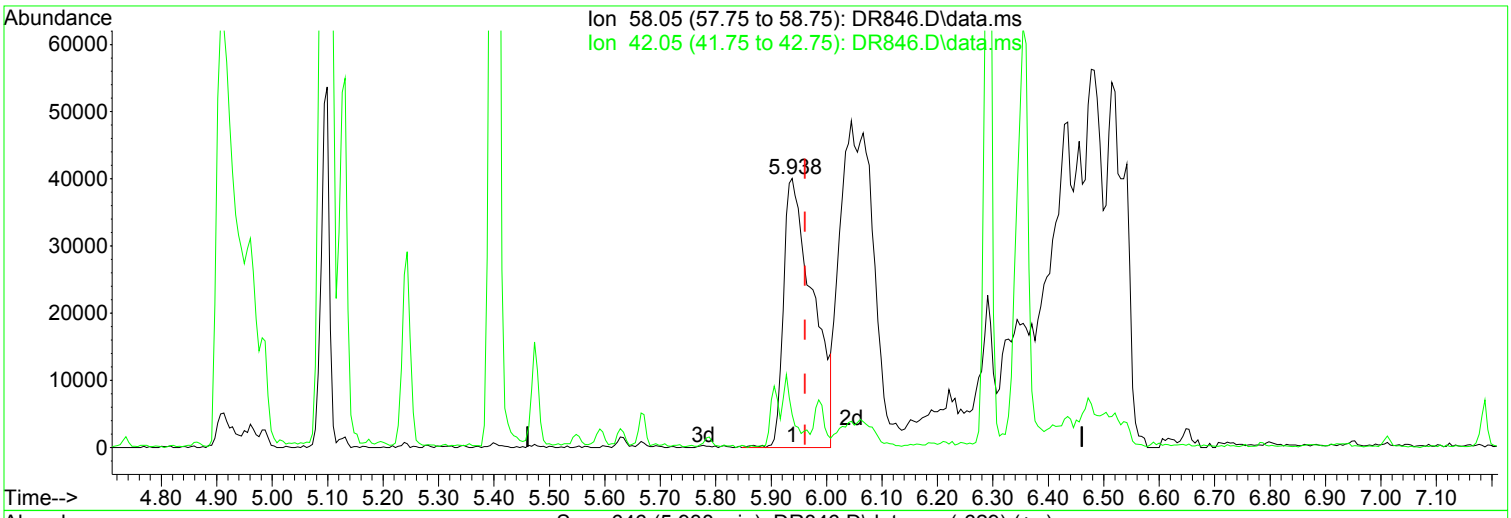
Poor integration.

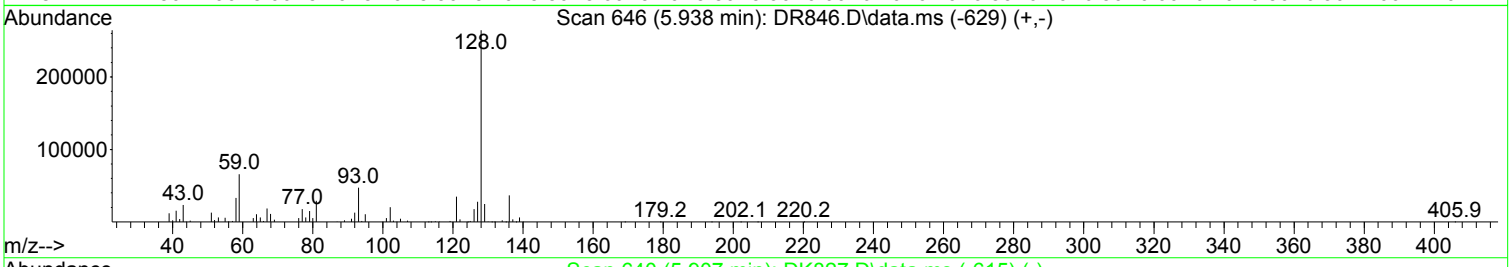
05/01/19

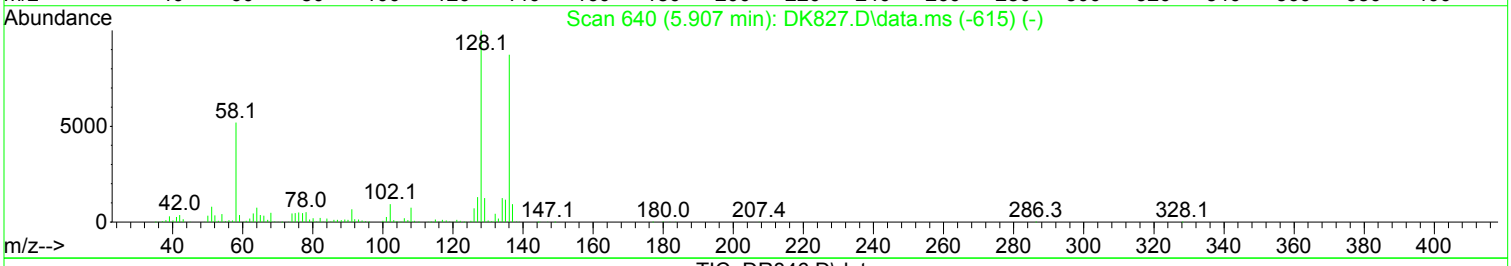
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR846.D
Acq On : 30 Apr 2019 1:33 pm
Operator : JMisiurewicz
Sample : 120 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 01 08:54:07 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration







TIC: DR846.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

5.938min (-0.023) 18.38 ppm

response 146998

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	30.40	12.27
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

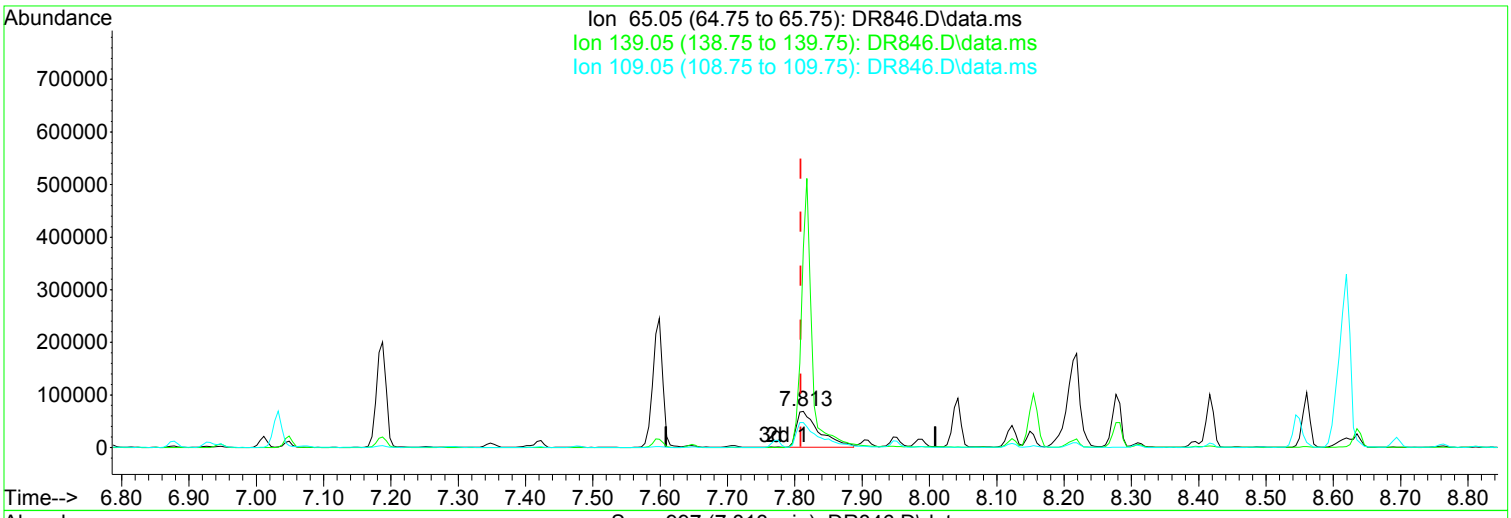
Before

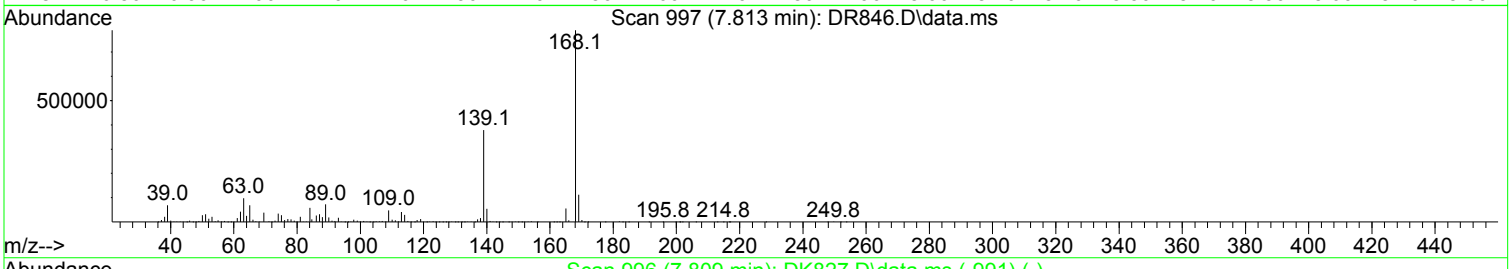
05/01/19

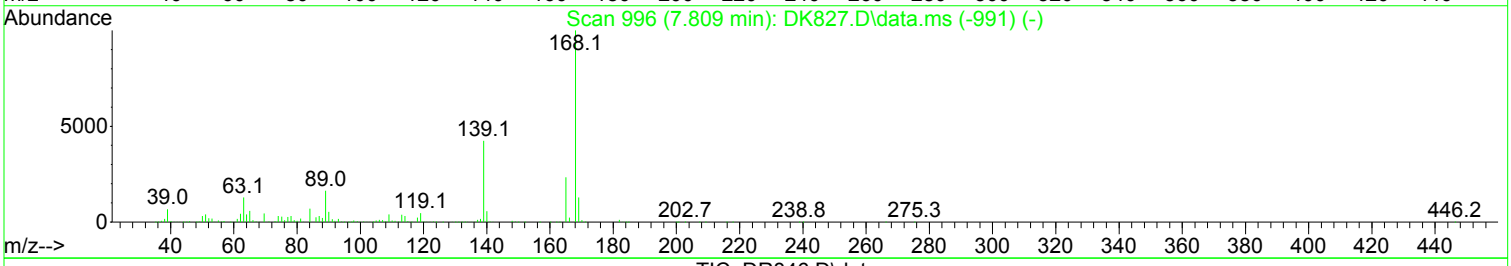
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR846.D
Acq On : 30 Apr 2019 1:33 pm
Operator : JMisiurewicz
Sample : 120 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 01 08:54:07 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration







TIC: DR846.D\data.ms

(78) 4-Nitrophenol (TMP)

7.813min (+ 0.004) 123.14 ppm m

response 159403

Ion	Exp%	Act%
65.05	100.00	100.00
139.05	423.70	548.70#
109.05	68.90	69.10
0.00	0.00	0.00

Manual Integration:

After

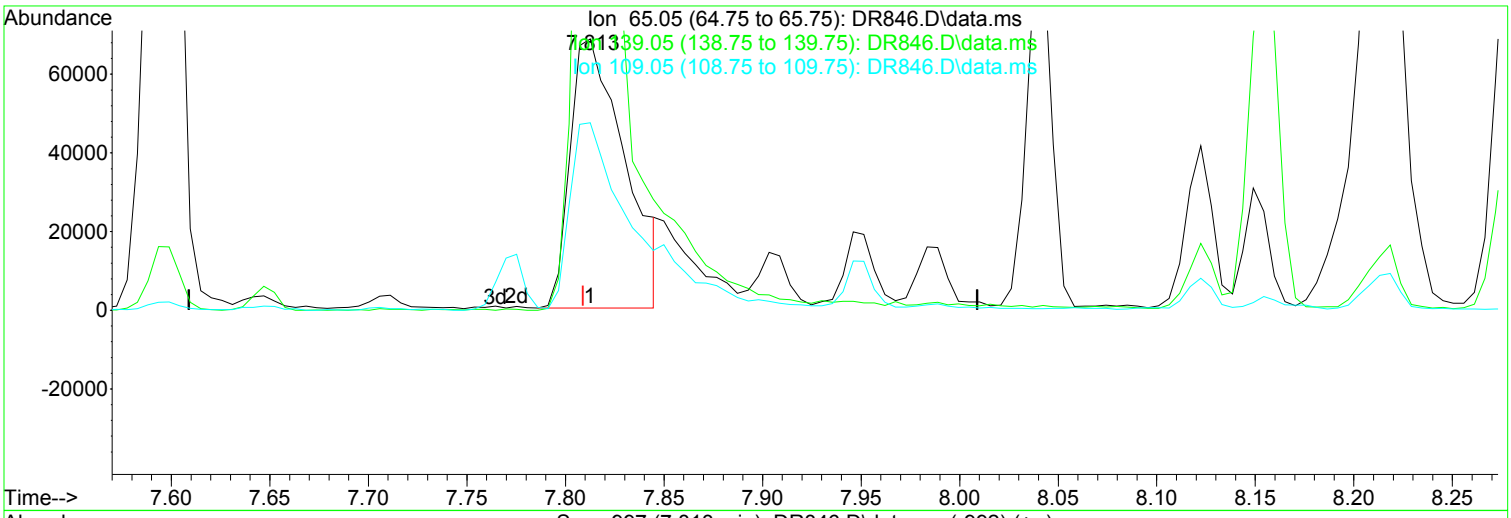
Poor integration.

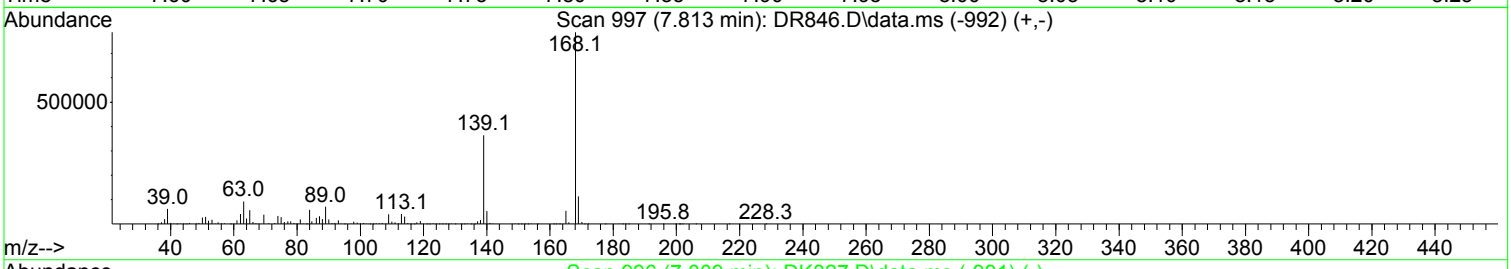
05/01/19

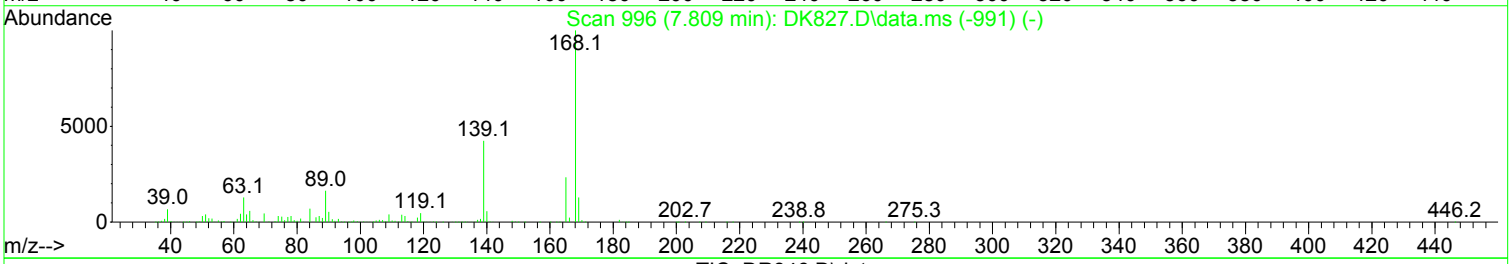
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR846.D
Acq On : 30 Apr 2019 1:33 pm
Operator : JMisiurewicz
Sample : 120 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 01 08:54:07 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration







TIC: DR846.D\data.ms

(78) 4-Nitrophenol (TMP)

7.813min (+ 0.004) 101.36 ppm

response 131217

Ion	Exp%	Act%
65.05	100.00	100.00
139.05	423.70	641.26#
109.05	68.90	69.85
0.00	0.00	0.00

Manual Integration:

Before

05/01/19

1st DM 05/01/19
2nd BA 05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR846.D
Acq On : 30 Apr 2019 1:33 pm
Operator : JMisiurewicz
Sample : 120 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 01 08:54:07 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.736	152	108526	40.00	ppm	0.00
33) d8-Naphthalene	5.906	136	421788	40.00	ppm	0.00
57) d10-Acenaphthene	7.615	164	198246	40.00	ppm	0.00
91) d10-Phenanthrene	9.089	188	316717	40.00	ppm	0.00
117) d12-Chrysene	12.358	240	283220	40.00	ppm	0.00
135) d12-Perylene	15.295	264	278222	40.00	ppm	0.00
System Monitoring Compounds						
7) SURR1,2-FLUOROPHENOL	3.663	112	454937	115.25	ppm	0.00
Spiked Amount 100.000	Range 10 - 70		Recovery = 115.25%#			
12) SURR2,PHENOL-D6	4.426	99	576105	118.79	ppm	0.00
Spiked Amount 100.000	Range 10 - 107		Recovery = 118.79%#			
34) SURR4,NITROBENZENE-D5	5.243	82	458691	107.17	ppm	0.00
Spiked Amount 50.000	Range 31 - 110		Recovery = 214.34%#			
63) SURR5,2-FLUOROBIPHENYL	6.947	172	867102	115.02	ppm	0.00
Spiked Amount 50.000	Range 31 - 118		Recovery = 230.04%#			
88) SURR3,2,4,6-TRIBROMOPH...	8.405	330	97368	119.94	ppm	0.00
Spiked Amount 100.000	Range 35 - 141		Recovery = 119.94%			
124) SURR6,TERPHENYL-D14	10.771	244	783292	117.40	ppm	0.00
Spiked Amount 50.000	Range 10 - 165		Recovery = 234.80%#			
Target Compounds						Qvalue
2) Pyridine	2.610	79	519246	124.653	ppm	99
3) N-Nitrosodimethylamine	2.584	74	317046	125.138	ppm	94
4) 2-Picoline	3.193	93	494192	114.653	ppm	98
5) N-Nitrosomethylamine	3.283	42	202086	115.329	ppm	98
6) Methyl Methansulfonate	3.524	80	234005	119.176	ppm	97
8) N-Nitrosodiethylamine	3.833	102	225841	117.333	ppm	100
9) Ethyl Mathanesulfonate	4.084	79	372160	112.164	ppm	95
10) Benzaldehyde	4.368	106	304075	109.532	ppm	97
11) Aniline	4.458	93	718352	116.063	ppm	99
13) Phenol	4.442	94	621502	117.179	ppm	97
14) bis(2-Clethyl)Ether	4.496	93	406585	110.792	ppm	98
15) Pentachloroethane	4.496	117	169837	114.942	ppm	98
16) 2-Chlorophenol	4.565	128	485467	116.524	ppm	99
17) 1,3-Diclbenzene	4.688	146	505993	116.702	ppm	98
18) 1,4-Dichlorobenzene	4.752	146	513454	115.719	ppm	99
19) 1,2-Diclbenzene	4.886	146	483205	113.976	ppm	98
20) Benzyl Alcohol	4.864	79	346386	122.760	ppm	95
21) 1-Methyl-2-pyrrolidinone	4.907	99	307067	119.072	ppm	96
22) 2,2'-oxybis(1-Chloropr...	4.966	45	395763	112.233	ppm	96
23) 2-Methylphenol	4.987	108	425564	113.840	ppm	98
24) 3+4-Methylphenol	5.115	108	494589	116.933	ppm	99
25) Acetophenone	5.099	105	600464	114.296	ppm	99
26) N-Nitroso-Di-n-propyla...	5.099	70	315367	111.303	ppm	98
27) N-Nitrosopyrrolidine	5.105	100	238538	115.776	ppm	79
28) N-Nitrosomorpholine	5.131	56	225709	111.293	ppm	100
29) o-Toluidine	5.131	106	669441	114.748	ppm	84
30) Hexachloroethane	5.185	117	196802	115.233	ppm	98
31) o,o,o-Triethylphosphor...	5.633	198	208297	117.105	ppm	75
32) Alpha-terpinol	5.927	121	153880	111.026	ppm	97
35) Nitrobenzene	5.260	77	464373	108.033	ppm	98
36) N-Nitrosopiperidine	5.404	42	258156	110.479	ppm	96
37) Isophorone	5.473	82	793167	110.689	ppm	98
38) 2-Nitrophenol	5.548	139	259485	116.662	ppm	97

1st DM 05/01/19
2nd BA 05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR846.D
Acq On : 30 Apr 2019 1:33 pm
Operator : JMisiurewicz
Sample : 120 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 01 08:54:07 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39)	2,4-Dimethylphenol	5.591	107	457106	114.119	ppm		98
40)	bis(-2-Chloroethoxy)Me...	5.665	93	464343	110.212	ppm		99
41)	Benzoic Acid	5.708	105	224678	120.961	ppm		93
42)	2,4-Dichlorophenol	5.788	162	364629	114.930	ppm		99
43)	a,a-Dimethylphenethyla...	6.477	58	906641m	113.337	ppm		
44)	1,2,4-Trichlorobenzene	5.847	180	375678	112.305	ppm		99
45)	Naphthalene	5.927	128	1274063	109.595	ppm		98
46)	4-Chloroaniline	5.986	127	538310	110.662	ppm		99
47)	2,6-Dichlorophenol	5.991	162	379452	114.373	ppm		99
48)	Hexachlorobutadiene	6.029	225	190652	112.484	ppm		98
49)	Hexachloropropene	6.002	213	240792	113.702	ppm		99
50)	4-Chloro-3-methylphenol	6.472	107	355598	112.405	ppm	#	53
51)	N-N-di-n-butylamine	6.290	84	268229	106.736	ppm		93
52)	Caprolactam	6.360	113	133074	105.819	ppm		95
53)	p-Phenylenediamine	6.344	80	90086	108.470	ppm		92
54)	Safrole	6.504	162	342710	114.848	ppm		96
55)	2-Methylnaphthalene	6.595	142	838193	111.404	ppm		100
56)	1-Methylnaphthalene	6.691	142	777645	110.480	ppm		100
58)	Hexachlorocyclopentadiene	6.734	237	177903	120.813	ppm		100
59)	1,2,4,5-Tetrachloroben...	6.755	216	352448	120.794	ppm		99
60)	1,2,3,4-Tetrachloroben...	7.033	216	359338	116.957	ppm		99
61)	2,4,6-Trichlorophenol	6.878	196	229769	124.330	ppm		94
62)	2,4,5-Trichlorophenol	6.931	196	236593	119.029	ppm		98
64)	Isosafrole	7.011	104	144765	113.543	ppm		91
65)	1,1'-Biphenyl	7.049	154	1012306	115.268	ppm		99
66)	2-Chloronaphthalene	7.070	162	732044	115.327	ppm		97
67)	2-Nitroaniline	7.188	65	200077	110.269	ppm		98
68)	1,4-Naphthoquinone	7.257	158	232761	116.806	ppm		79
69)	m-Dinitrobenzene	7.407	168	151305	121.325	ppm		86
70)	Acenaphthylene	7.481	152	1169104	114.990	ppm		100
71)	Dimethyl phthalate	7.348	163	822164	110.784	ppm		99
72)	2,6-Dinitrotoluene	7.423	165	192835	114.453	ppm		91
73)	Acenaphthene	7.647	153	827884	117.055	ppm		99
74)	3-Nitroaniline	7.599	138	225035	116.187	ppm		97
75)	2,4-Dinitrophenol	7.711	184	89549	119.475	ppm		96
76)	Dibenzofuran	7.818	168	1007846	115.398	ppm		98
77)	2,4-Dinitrotoluene	7.823	165	268846	120.821	ppm		89
78)	4-Nitrophenol	7.813	65	159403m	123.135	ppm		
79)	Pentachlorobenzene	7.775	250	279097	119.358	ppm		98
80)	1-Napthylamine	7.909	143	518022	112.629	ppm		100
81)	2-Napthylamine	7.989	143	640752	109.331	ppm		98
82)	2,3,4,6-Tetrachlorophenol	7.951	232	170449	125.491	ppm		97
83)	Fluorene	8.154	166	796933	110.980	ppm		99
84)	4-Chlorophenyl-phenyle...	8.149	204	330902	114.223	ppm		98
85)	Diethylphthalate	8.042	149	836225	113.777	ppm		98
86)	4-Nitroaniline	8.218	138	225995	118.295	ppm		97
87)	5-Nitro-o-toluidine	8.192	152	256093	118.081	ppm		98
89)	Sulfotepp	8.421	322	106798	116.427	ppm		96
90)	Octachlorocyclopentene	8.395	307	112540	120.519	ppm		96
92)	Thionazin	8.122	107	134270	108.059	ppm		98
93)	4,6-Dinitro-2-methylph...	8.229	198	152607	125.000	ppm		96
94)	Diphenylamine	8.283	169	1247342	222.873	ppm		98
95)	1,2 Diphenylhydrazine	8.309	77	731923	103.620	ppm		98
96)	N-Nitrosodiphenylamine	8.283	169	1247342	222.873	ppm		98
97)	1,3,5-Trinirobenzene	8.608	74	120895	119.684	ppm		96
98)	Diallate	8.544	86	297222	104.118	ppm		93

1st DM 05/01/19
2nd BA 05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR846.D
Acq On : 30 Apr 2019 1:33 pm
Operator : JMisiurewicz
Sample : 120 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 01 08:54:07 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration

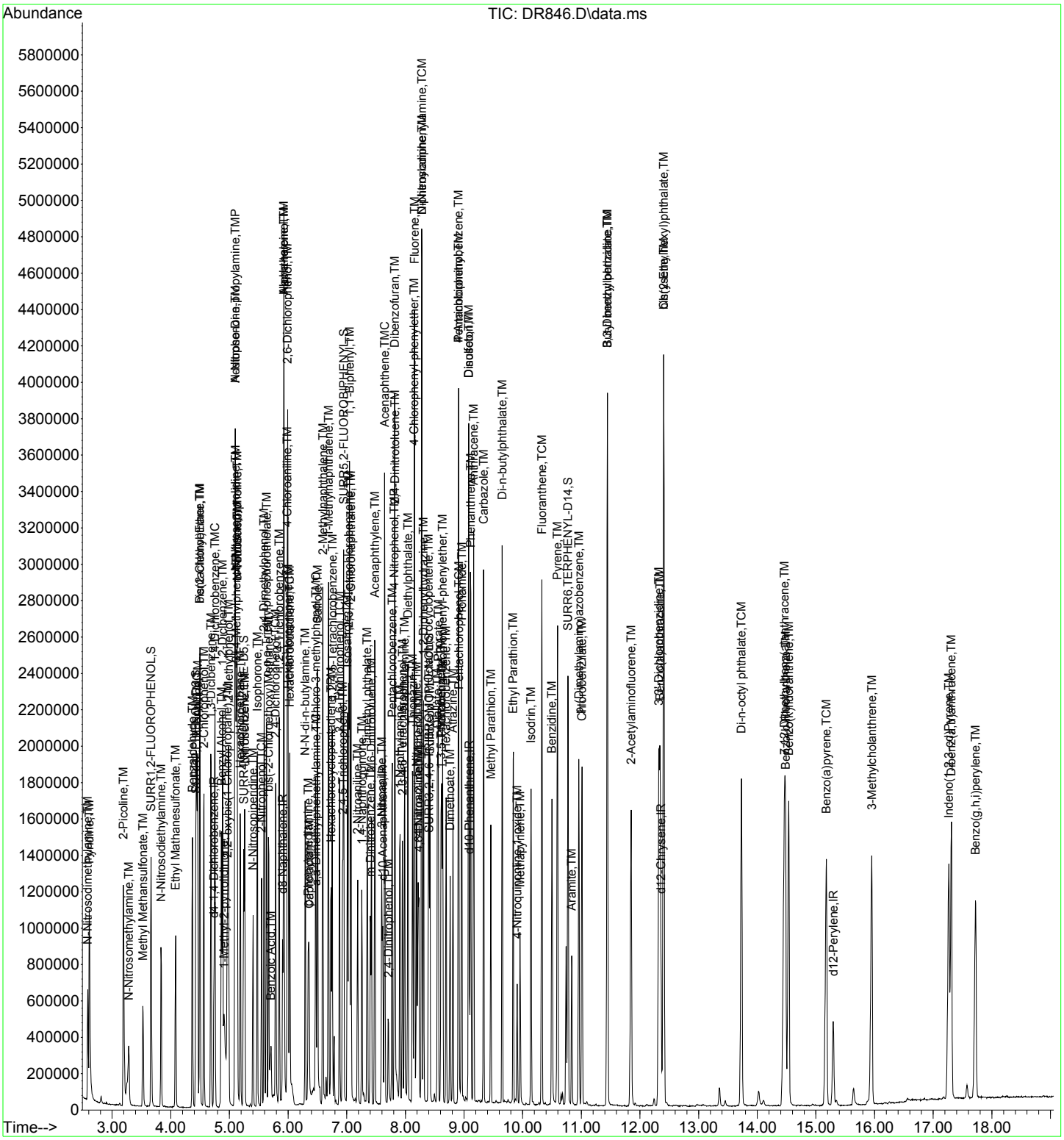
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
99)	Phorate	8.560	121	156240	106.654	ppm	97
100)	Phenacetin	8.619	108	422963	114.607	ppm	99
101)	4-Bromophenyl-phenylether	8.635	248	185533	112.033	ppm	95
102)	Hexachlorobenzene	8.694	284	207922	111.645	ppm	96
103)	Dimethoate	8.763	87	239820	99.101	ppm	95
104)	Atrazine	8.811	215	97158	107.289	ppm	98
105)	Pentachlorophenol	8.913	266	87474	116.357	ppm	94
106)	4-Aminobiphenyl	8.907	169	647822	113.915	ppm	99
107)	Pentachloronitrobenzene	8.907	237	85992	124.987	ppm	98
108)	Pronamide	8.961	173	388884	120.093	ppm	98
109)	Dinoseb	9.078	211	201217	125.222	ppm	97
110)	Disulfoton	9.078	88	365077	99.440	ppm	97
111)	Phenanthrene	9.116	178	1121387	111.958	ppm	100
112)	Anthracene	9.164	178	1127947	113.338	ppm	99
113)	Carbazole	9.335	167	1111057	113.654	ppm	99
114)	Di-n-butylphthalate	9.650	149	1456330	115.256	ppm	99
115)	4-Nitroquinonline-1-oxide	9.906	190	75875	128.069	ppm	95
116)	Fluoranthene	10.328	202	1210296	118.030	ppm	98
118)	Methyl Parathion	9.458	109	248242	110.558	ppm	96
119)	Ethyl Parathion	9.837	97	191236	113.995	ppm	96
120)	Methapyrilene	9.954	58	264413	108.346	ppm	98
121)	Isodrin	10.141	193	121906	117.724	ppm	94
122)	Benzidine	10.499	184	780445	117.437	ppm	100
123)	Pyrene	10.595	202	1249632	120.155	ppm	100
125)	Aramite	10.836	185	164803m	115.631	ppm	
126)	p-(Dimethylamino)azobe...	10.958	120	367992	119.104	ppm	93
127)	Chlorobenzilate	11.012	139	428347	118.673	ppm	95
128)	Butyl benzyl phthalate	11.444	149	655211	113.566	ppm	96
129)	3,3-Dimethylbenzidine	11.444	212	750861	118.697	ppm	99
130)	2-Acetylaminofluorene	11.850	181	551421	119.674	ppm	99
131)	3,3'-Dichlorobenzidine	12.320	252	434778	115.412	ppm	99
132)	Benzo(a)anthracene	12.342	228	1088913	113.229	ppm	100
133)	Chrysene	12.406	228	1002727	113.339	ppm	99
134)	bis(2-Ethylhexyl)phtha...	12.406	149	910566	114.677	ppm	98
136)	Di-n-octyl phthalate	13.730	149	1579048	119.589	ppm	100
137)	7,12-Dimethylbenz(a)an...	14.462	256	497457	118.274	ppm	96
138)	Benzo(b)Fluoranthene	14.484	252	1096951	118.479	ppm	99
139)	Benzo(k)fluoranthene	14.537	252	1027467	117.170	ppm	100
140)	Benzo(a)pyrene	15.178	252	962240	120.849	ppm	99
141)	3-Methylcholanthrene	15.952	268	561138	120.330	ppm	98
142)	Indeno(1,2,3-cd)Pyrene	17.266	276	891352	114.151	ppm	99
143)	Dibenz(a,h)anthracene	17.309	278	935919	114.394	ppm	98
144)	Benzo(g,h,i)perylene	17.720	276	757379	112.539	ppm	99

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

1st JM 05/01/19
2nd BA 05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR846.D
Acq On : 30 Apr 2019 1:33 pm
Operator : JMisiurewicz
Sample : 120 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 12 Sample Multiplier: 1

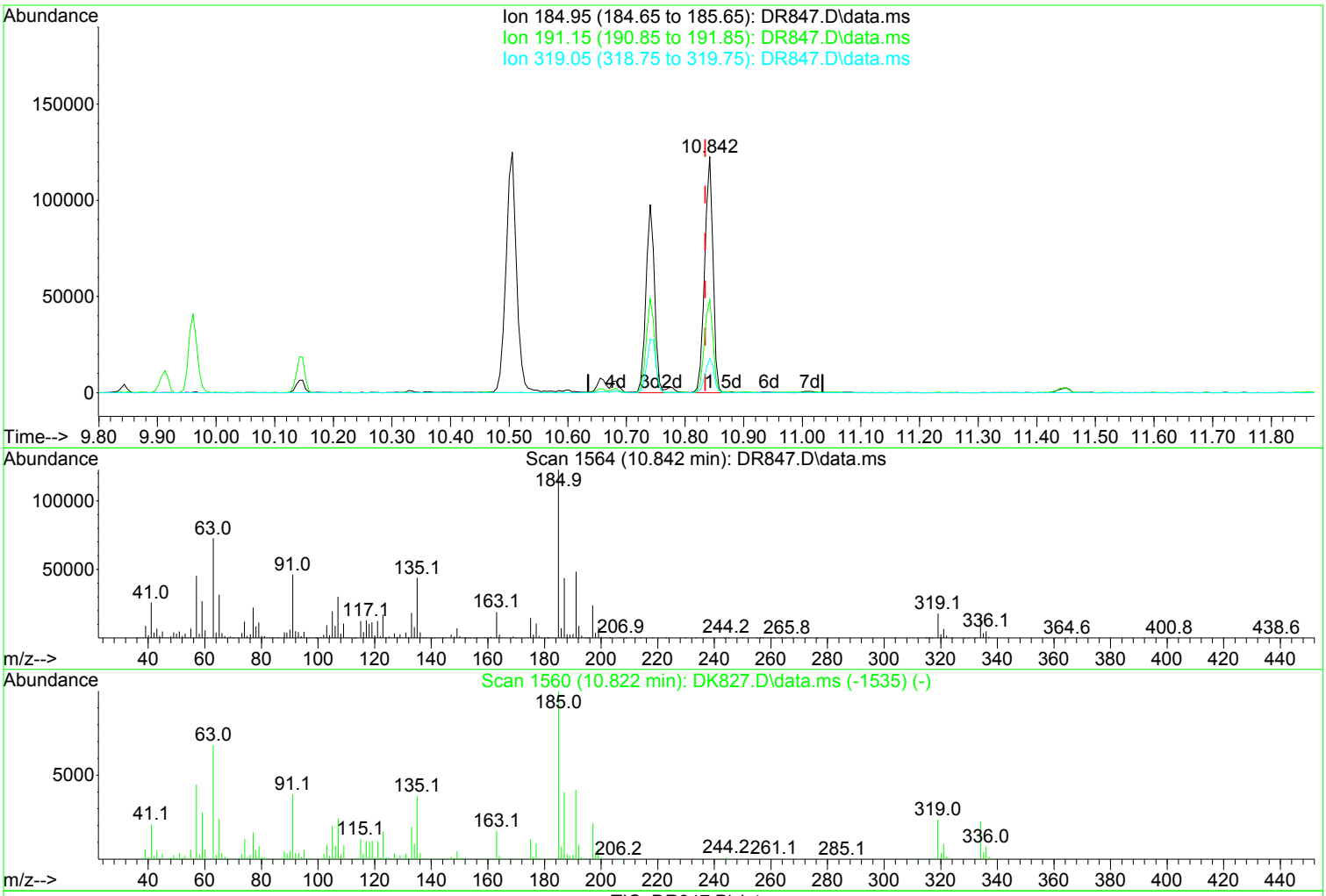
Quant Time: May 01 08:54:07 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR847.D
Acq On : 30 Apr 2019 2:03 pm
Operator : JMisiurewicz
Sample : 160 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 01 08:54:12 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



TIC: DR847.D\data.ms

(125) Aramite (TM)

10.842min (+ 0.007) 149.37 ppm m

response 222547

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	41.00	39.42
319.05	16.80	14.54
0.00	0.00	0.00

Manual Integration:

After

Split Peak.

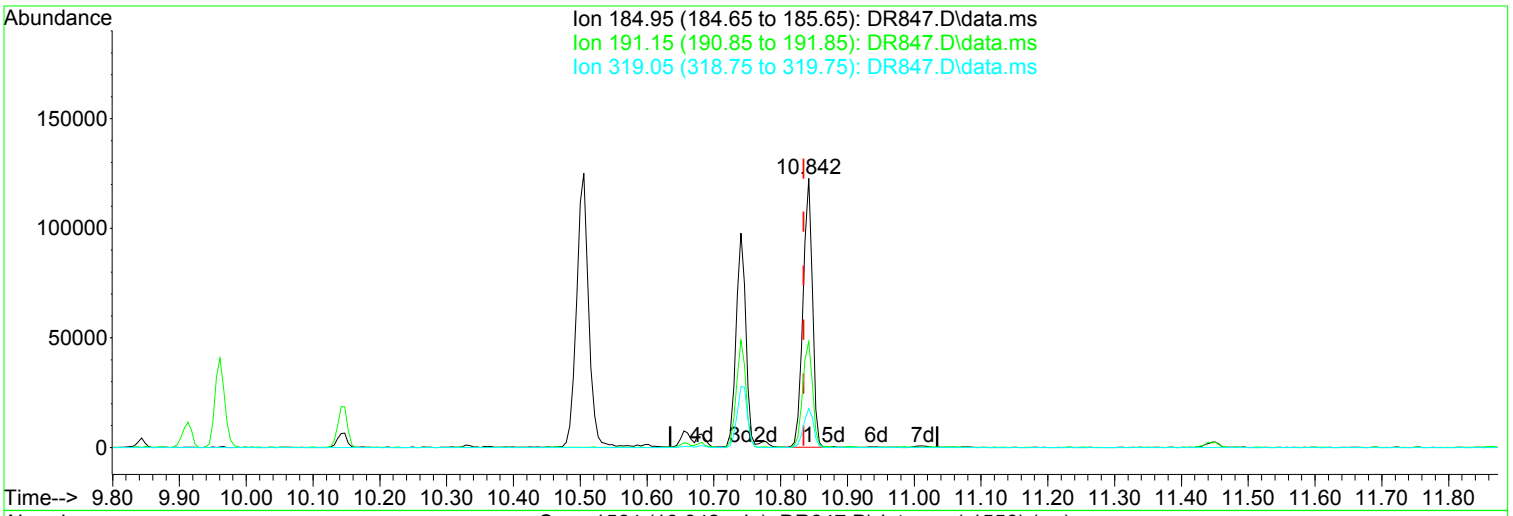
05/01/19

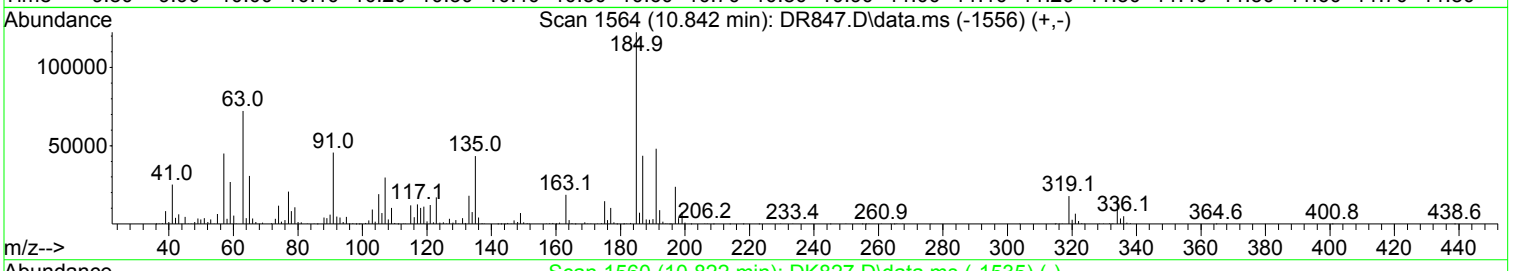
1st DM 05/01/19
2nd BA 05/01/19

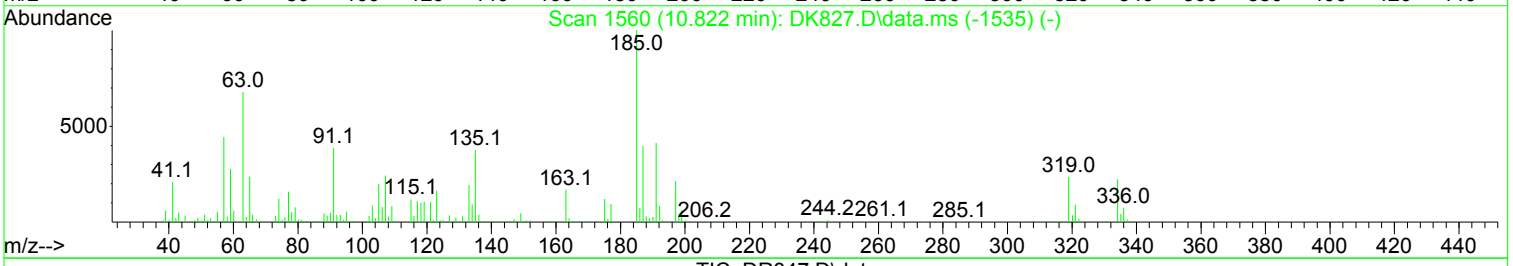
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR847.D
Acq On : 30 Apr 2019 2:03 pm
Operator : JMisiurewicz
Sample : 160 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 01 08:54:12 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration







TIC: DR847.D\data.ms

(125) Aramite (TM)

10.842min (+ 0.007) 79.72 ppm

response 118774

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	41.00	39.23
319.05	16.80	14.55
0.00	0.00	0.00

Manual Integration:

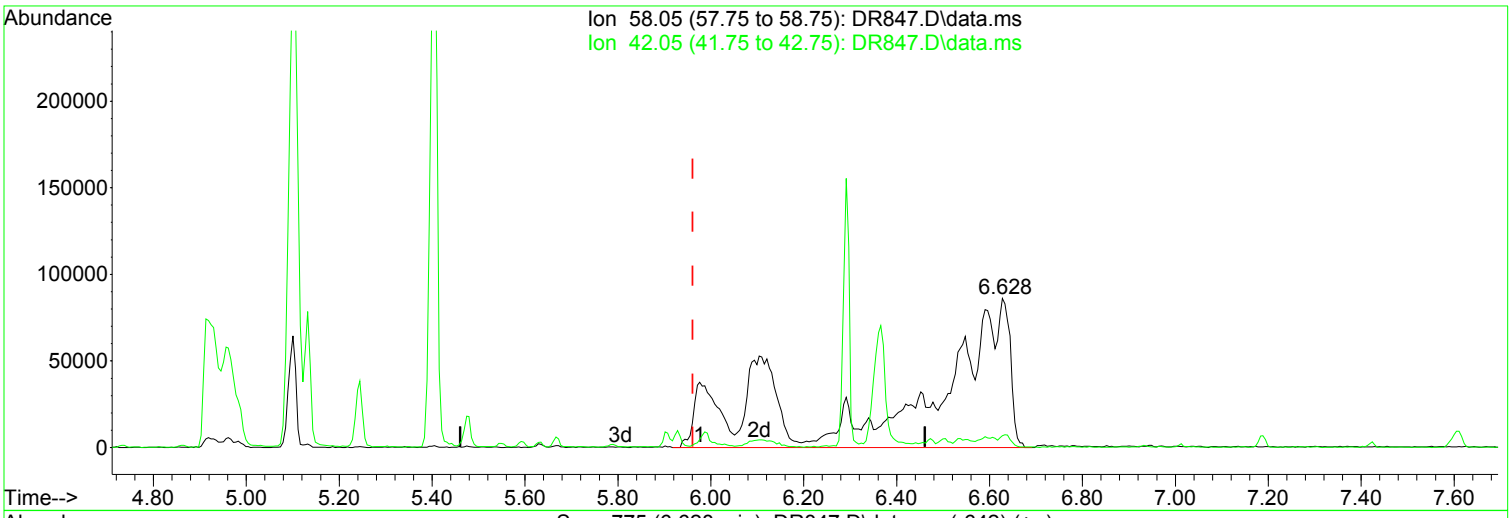
Before

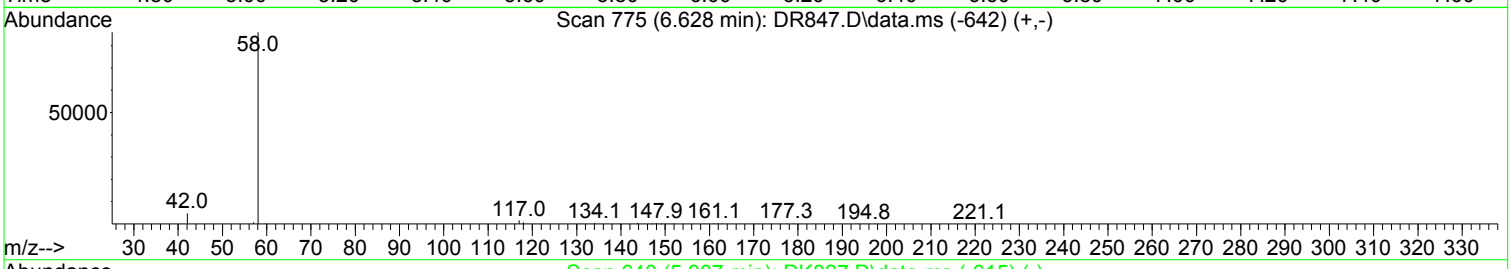
05/01/19

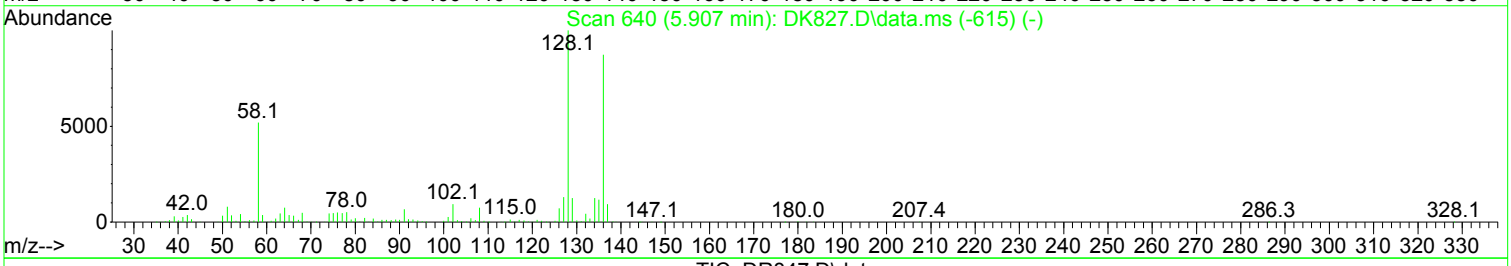
1st DM 05/01/19
2nd BA 05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR847.D
Acq On : 30 Apr 2019 2:03 pm
Operator : JMisiurewicz
Sample : 160 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 01 08:54:12 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration







TIC: DR847.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

6.628min (+ 0.667) 158.32 ppm m

response 1186973

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	30.40	8.03
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

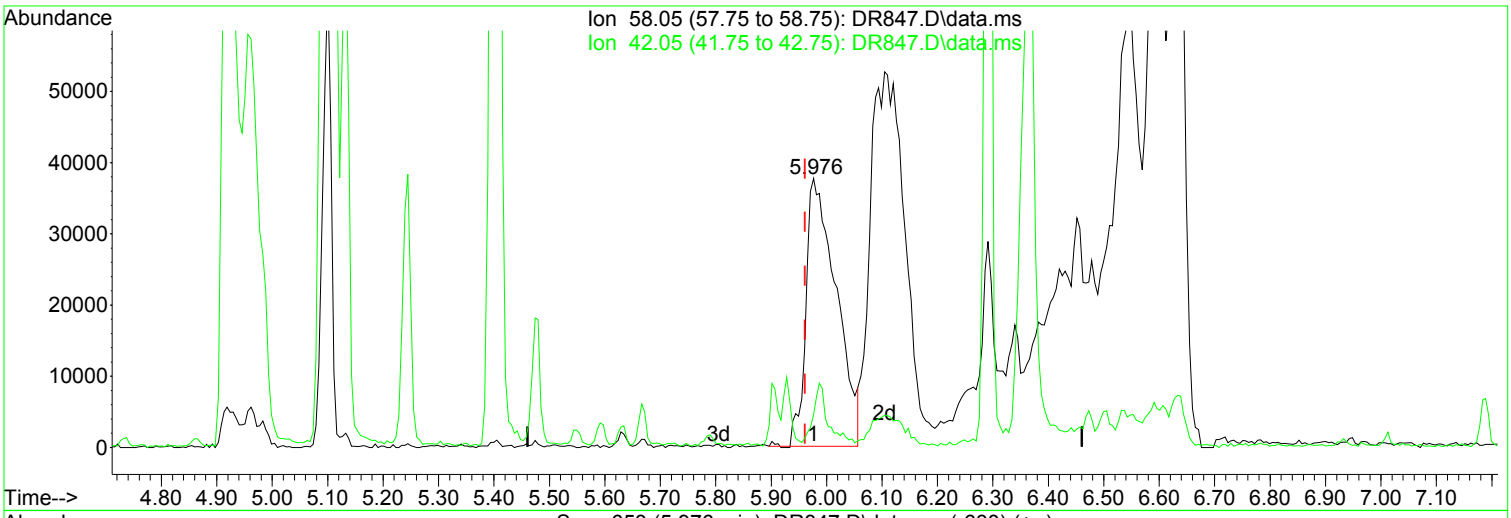
Poor integration.

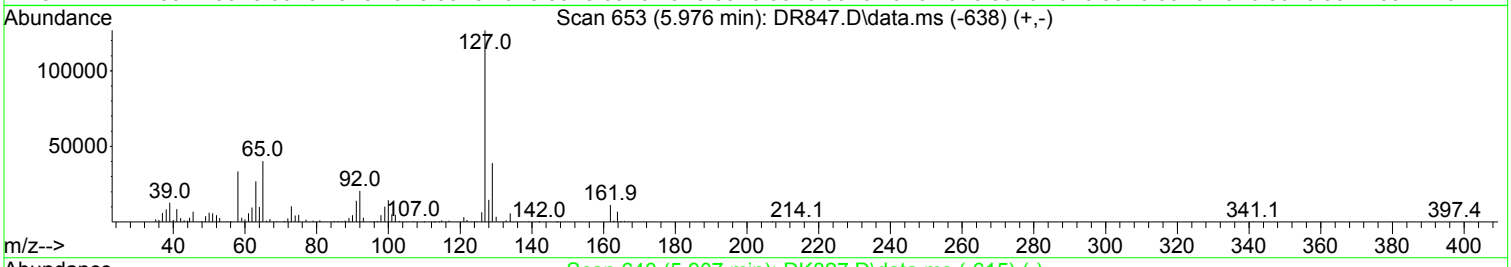
05/01/19

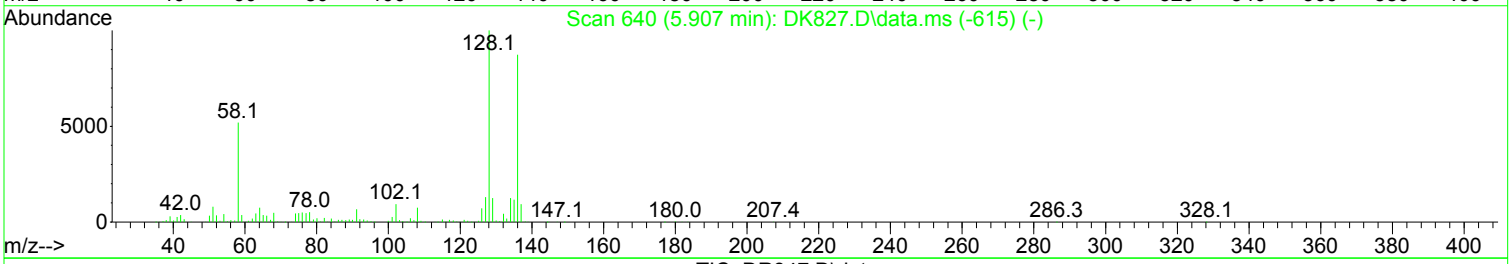
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR847.D
Acq On : 30 Apr 2019 2:03 pm
Operator : JMisiurewicz
Sample : 160 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 01 08:54:12 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration







TIC: DR847.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

5.976min (+ 0.015) 19.11 ppm

response 143240

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	30.40	7.83
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

05/01/19

1st DM 05/01/19
2nd BA 05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR847.D
Acq On : 30 Apr 2019 2:03 pm
Operator : JMisiurewicz
Sample : 160 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 01 08:54:12 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) d4-1,4-Dichlorobenzene	4.732	152	107426	40.00	ppm		0.00
33) d8-Naphthalene	5.907	136	395308	40.00	ppm		0.00
57) d10-Acenaphthene	7.616	164	197878	40.00	ppm		0.00
91) d10-Phenanthrene	9.090	188	322947	40.00	ppm		0.00
117) d12-Chrysene	12.364	240	296067	40.00	ppm		0.00
135) d12-Perylene	15.302	264	332009	40.00	ppm		0.00
System Monitoring Compounds							
7) SURR1,2-FLUOROPHENOL	3.664	112	608061	155.62	ppm		0.00
Spiked Amount 100.000	Range 10 - 70		Recovery = 155.62%#				
12) SURR2,PHENOL-D6	4.427	99	758626	158.03	ppm		0.00
Spiked Amount 100.000	Range 10 - 107		Recovery = 158.03%#				
34) SURR4,NITROBENZENE-D5	5.245	82	617070	153.83	ppm		0.00
Spiked Amount 50.000	Range 31 - 110		Recovery = 307.66%#				
63) SURR5,2-FLUOROBIPHENYL	6.948	172	1176254	156.32	ppm		0.00
Spiked Amount 50.000	Range 31 - 118		Recovery = 312.64%#				
88) SURR3,2,4,6-TRIBROMOPH...	8.406	330	127745	157.65	ppm		0.00
Spiked Amount 100.000	Range 35 - 141		Recovery = 157.65%#				
124) SURR6,TERPHENYL-D14	10.773	244	1061681	152.22	ppm		0.00
Spiked Amount 50.000	Range 10 - 165		Recovery = 304.44%#				
Target Compounds							Qvalue
2) Pyridine	2.606	79	670462	162.603	ppm		99
3) N-Nitrosodimethylamine	2.585	74	406560	162.112	ppm		96
4) 2-Picoline	3.188	93	667773	156.511	ppm		99
5) N-Nitrosomethylamine	3.279	42	269211	155.209	ppm		90
6) Methyl Methansulfonate	3.525	80	310863	159.940	ppm		97
8) N-Nitrosodiethylamine	3.834	102	303931	159.520	ppm		99
9) Ethyl Mathanesulfonate	4.086	79	493138	150.146	ppm		95
11) Aniline	4.454	93	961565	156.950	ppm		92
13) Phenol	4.438	94	833137	158.690	ppm		98
14) bis(2-Clethyl)Ether	4.497	93	556441	153.179	ppm		98
15) Pentachloroethane	4.491	117	230404	157.529	ppm		95
16) 2-Chlorophenol	4.561	128	656827	159.269	ppm		98
17) 1,3-Diclbenzene	4.684	146	676703	157.672	ppm		97
18) 1,4-Dichlorobenzene	4.748	146	692298	157.623	ppm		98
19) 1,2-Diclbenzene	4.881	146	655103	156.105	ppm		99
20) Benzyl Alcohol	4.865	79	463211	165.844	ppm		98
21) 1-Methyl-2-pyrrolidinone	4.919	99	409667	160.484	ppm		96
22) 2,2'-oxybis(1-Chloropr...	4.961	45	514904	147.514	ppm		90
23) 2-Methylphenol	4.994	108	577204	155.985	ppm		96
24) 3+4-Methylphenol	5.122	108	657927	157.143	ppm	#	72
25) Acetophenone	5.095	105	794001	152.683	ppm		98
26) N-Nitroso-Di-n-propyla...	5.100	70	422815	150.753	ppm		92
27) N-Nitrosopyrrolidine	5.111	100	317363	155.611	ppm		64
28) N-Nitrosomorpholine	5.132	56	295820	147.357	ppm		99
29) o-Toluidine	5.132	106	867984	150.303	ppm		65
30) Hexachloroethane	5.186	117	260918	154.339	ppm		96
31) o,o,o-Triethylphosphor...	5.634	198	280747	159.453	ppm		92
32) Alpha-terpinol	5.928	121	210815	153.662	ppm		97
35) Nitrobenzene	5.261	77	619095	153.675	ppm		96
36) N-Nitrosopiperidine	5.405	42	338639	154.630	ppm		95
37) Isophorone	5.480	82	1062263	158.172	ppm		98
38) 2-Nitrophenol	5.549	139	343400	164.732	ppm		97
39) 2,4-Dimethylphenol	5.592	107	611374	162.856	ppm		99

1st DM 05/01/19
2nd BA 05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR847.D
Acq On : 30 Apr 2019 2:03 pm
Operator : JMisiurewicz
Sample : 160 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 01 08:54:12 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
40) bis(-2-Chloroethoxy)Me...	5.666	93	622768	157.716	ppm		98
41) Benzoic Acid	5.715	105	280167	157.176	ppm		94
42) 2,4-Dichlorophenol	5.789	162	495497	166.641	ppm		99
43) a,a-Dimethylphenethyla...	6.628	58	1186973m	158.320	ppm		
44) 1,2,4-Trichlorobenzene	5.848	180	506173	161.451	ppm		98
45) Naphthalene	5.928	128	1680600	154.248	ppm		99
46) 4-Chloroaniline	5.987	127	734901	161.196	ppm		99
47) 2,6-Dichlorophenol	5.992	162	504703	162.316	ppm		98
48) Hexachlorobutadiene	6.030	225	257216	161.922	ppm		100
49) Hexachloropropene	6.003	213	317266	159.848	ppm		100
50) 4-Chloro-3-methylphenol	6.473	107	478302	161.319	ppm	#	66
51) N-N-di-n-butylamine	6.291	84	359096	152.466	ppm		95
52) Caprolactam	6.366	113	183951	156.074	ppm		96
53) p-Phenylenediamine	6.345	80	117252	150.637	ppm		88
54) Safrole	6.505	162	466582	166.833	ppm		95
55) 2-Methylnaphthalene	6.590	142	1123252	159.291	ppm		98
56) 1-Methylnaphthalene	6.687	142	1043009	158.106	ppm		98
58) Hexachlorocyclopentadiene	6.729	237	242302	158.248	ppm		100
59) 1,2,4,5-Tetrachloroben...	6.751	216	471103	161.760	ppm		98
60) 1,2,3,4-Tetrachloroben...	7.034	216	487614	159.004	ppm		99
61) 2,4,6-Trichlorophenol	6.879	196	309346	167.701	ppm		96
62) 2,4,5-Trichlorophenol	6.932	196	319928	161.253	ppm		97
64) Isosafrole	7.012	104	195351	153.504	ppm		98
65) 1,1'-Biphenyl	7.050	154	1375291	156.891	ppm		99
66) 2-Chloronaphthalene	7.071	162	987748	155.900	ppm		97
67) 2-Nitroaniline	7.189	65	268685	148.357	ppm		98
68) 1,4-Naphthoquinone	7.258	158	311492	156.606	ppm		83
69) m-Dinitrobenzene	7.408	168	207668	166.830	ppm		93
70) Acenaphthylene	7.477	152	1594319	157.104	ppm		98
71) Dimethyl phthalate	7.354	163	1137321	153.536	ppm		99
72) 2,6-Dinitrotoluene	7.424	165	269608	160.318	ppm		99
73) Acenaphthene	7.648	153	1109361	157.145	ppm		98
74) 3-Nitroaniline	7.600	138	312111	161.444	ppm		99
75) 2,4-Dinitrophenol	7.712	184	133514	155.829	ppm		98
76) Dibenzofuran	7.819	168	1321531	151.596	ppm		99
77) 2,4-Dinitrotoluene	7.830	165	369292	166.271	ppm		81
78) 4-Nitrophenol	7.814	65	221767	171.628	ppm	#	49
79) Pentachlorobenzene	7.776	250	364090	155.995	ppm		99
80) 1-Napthylamine	7.910	143	722862	157.458	ppm		100
81) 2-Napthylamine	7.990	143	917898	156.912	ppm		97
82) 2,3,4,6-Tetrachlorophenol	7.952	232	240530	177.417	ppm		98
83) Fluorene	8.161	166	1087998	151.795	ppm		98
84) 4-Chlorophenyl-phenyle...	8.150	204	437923	151.446	ppm		97
85) Diethylphthalate	8.043	149	1140642	155.485	ppm		99
86) 4-Nitroaniline	8.225	138	317070	166.276	ppm		95
87) 5-Nitro-o-toluidine	8.198	152	355533	164.237	ppm		94
89) Sulfotepp	8.422	322	140492	153.444	ppm		97
90) Octachlorocyclopentene	8.396	307	145361	155.957	ppm		97
92) Thionazin	8.123	107	184713	145.788	ppm		99
93) 4,6-Dinitro-2-methylph...	8.236	198	215491	173.103	ppm		99
94) Diphenylamine	8.284	169	1684588	295.193	ppm		98
95) 1,2 Diphenylhydrazine	8.310	77	1002115	139.135	ppm		98
96) N-Nitrosodiphenylamine	8.284	169	1684588	295.193	ppm		98
97) 1,3,5-Trinirobenzene	8.620	74	193891	188.245	ppm		93
98) Diallate	8.551	86	406088	139.510	ppm		96
99) Phorate	8.561	121	218376	146.194	ppm		98

1st DM 05/01/19
2nd BA 05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR847.D
Acq On : 30 Apr 2019 2:03 pm
Operator : JMisiurewicz
Sample : 160 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 01 08:54:12 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration

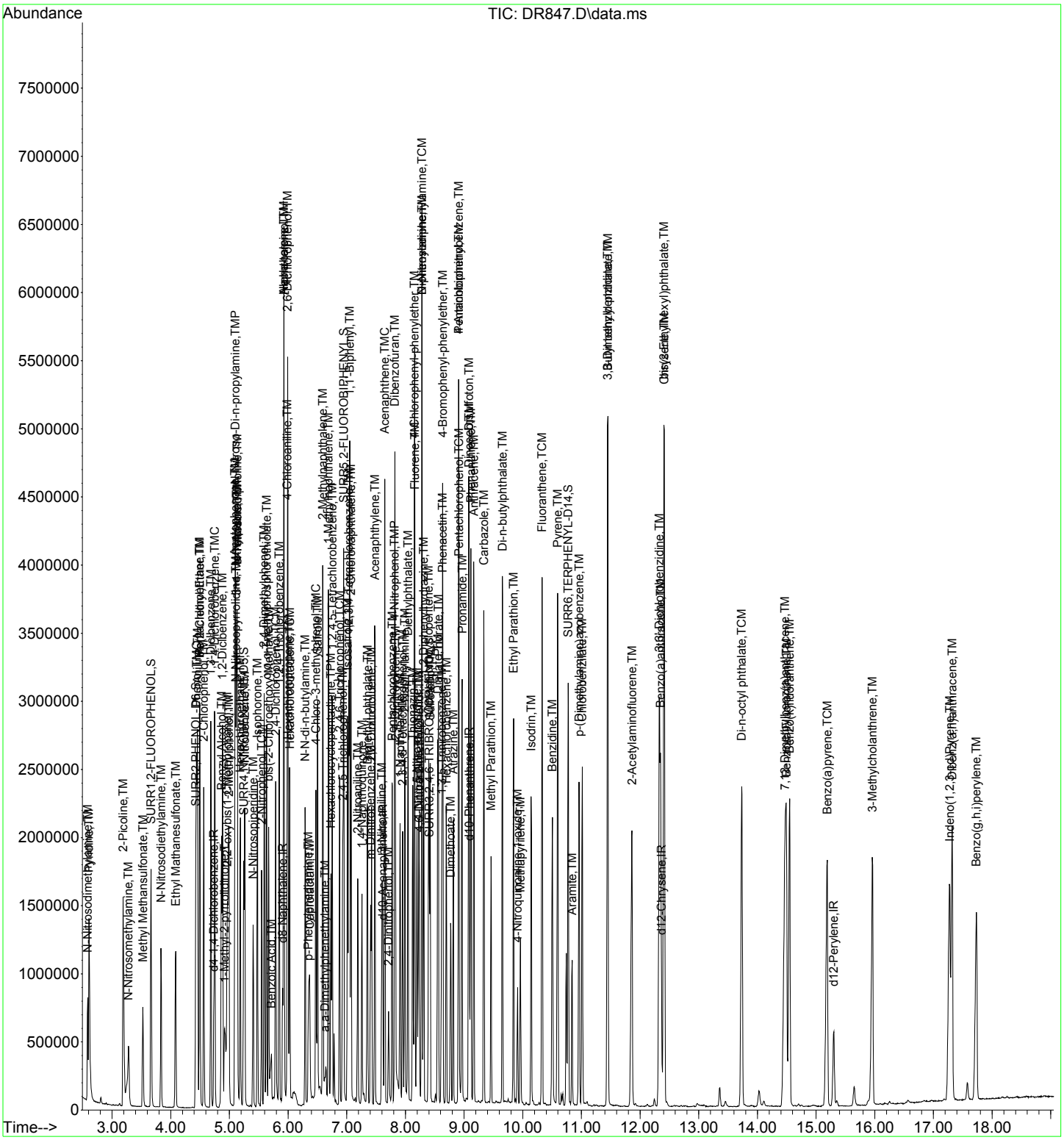
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
100) Phenacetin	8.631	108	571616	151.898	ppm	99
101) 4-Bromophenyl-phenylether	8.636	248	245345	145.292	ppm	93
102) Hexachlorobenzene	8.700	284	281616	148.299	ppm	95
103) Dimethoate	8.770	87	308405	124.984	ppm	96
104) Atrazine	8.818	215	126712	137.226	ppm	97
105) Pentachlorophenol	8.914	266	134956	160.028	ppm	97
106) 4-Aminobiphenyl	8.909	169	885545	152.713	ppm	99
107) Pentachloronitrobenzene	8.909	237	113391	161.631	ppm	99
108) Pronamide	8.967	173	529947	160.498	ppm	100
109) Dinoseb	9.085	211	277016	169.068	ppm	98
110) Disulfoton	9.079	88	502747	134.298	ppm	97
111) Phenanthrene	9.117	178	1530427	149.849	ppm	98
112) Anthracene	9.165	178	1544001	152.151	ppm	99
113) Carbazole	9.336	167	1530842	153.575	ppm	99
114) Di-n-butylphthalate	9.656	149	1974061	153.216	ppm	100
115) 4-Nitroquinonline-1-oxide	9.913	190	108077	178.904	ppm	95
116) Fluoranthene	10.329	202	1667235	159.454	ppm	99
118) Methyl Parathion	9.459	109	317097	135.095	ppm	96
119) Ethyl Parathion	9.843	97	263186	150.076	ppm	96
120) Methapyrilene	9.961	58	356345	139.680	ppm	94
121) Isodrin	10.142	193	165110	152.527	ppm	94
122) Benzidine	10.505	184	1080592	155.546	ppm	99
123) Pyrene	10.596	202	1701991	156.549	ppm	99
125) Aramite	10.842	185	222547m	149.371	ppm	
126) p-(Dimethylamino)azobe...	10.959	120	499434	154.632	ppm	95
127) Chlorobenzilate	11.013	139	582455	154.366	ppm	96
128) Butyl benzyl phthalate	11.451	149	898063	148.905	ppm	99
129) 3,3-Dimethylbenzidine	11.445	212	1034276	156.405	ppm	97
130) 2-Acetylaminofluorene	11.862	181	773267	160.539	ppm	98
131) 3,3'-Dichlorobenzidine	12.327	252	604354	153.465	ppm	99
132) Benzo(a)anthracene	12.348	228	1497140	148.922	ppm	100
133) Chrysene	12.412	228	1363209	147.398	ppm	100
134) bis(2-Ethylhexyl)phtha...	12.407	149	1243376	149.796	ppm	99
136) Di-n-octyl phthalate	13.731	149	2216045	140.643	ppm	99
137) 7,12-Dimethylbenz(a)an...	14.469	256	691326	137.739	ppm	97
138) Benzo(b)Fluoranthene	14.495	252	1533044	138.755	ppm	100
139) Benzo(k)fluoranthene	14.549	252	1400676	133.852	ppm	99
140) Benzo(a)pyrene	15.190	252	1329155	139.887	ppm	99
141) 3-Methylcholanthrene	15.959	268	753242	135.356	ppm	99
142) Indeno(1,2,3-cd)Pyrene	17.278	276	1253236	134.494	ppm	98
143) Dibenz(a,h)anthracene	17.321	278	1275460	130.639	ppm	99
144) Benzo(g,h,i)perylene	17.732	276	1027139	127.897	ppm	100

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

1st JM 05/01/19
2nd BA 05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR847.D
Acq On : 30 Apr 2019 2:03 pm
Operator : JMisiurewicz
Sample : 160 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 13 Sample Multiplier: 1

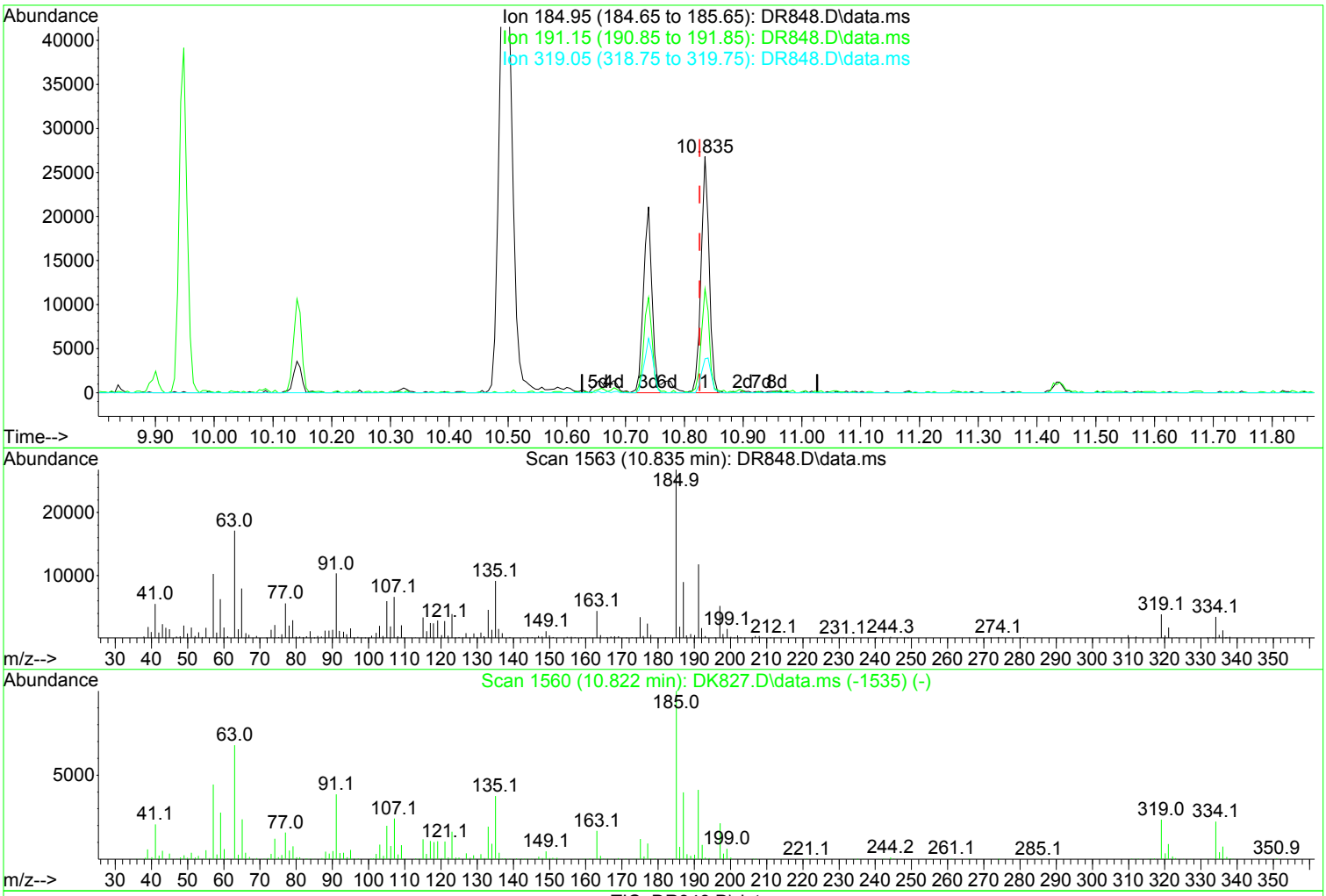
Quant Time: May 01 08:54:12 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



1st DM 05/01/19
2nd BA 05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR848.D
Acq On : 30 Apr 2019 2:39 pm
Operator : JMisiurewicz
Sample : ICV
Misc : Initial Calibration 8270/625
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 01 09:43:24 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration



TIC: DR848.D\data.ms

(125) Aramite (TM)

10.835min (+ 0.009) 34.50 ppm m

response 49320

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	41.10	43.96
319.05	14.30	14.34
0.00	0.00	0.00

Manual Integration:

After

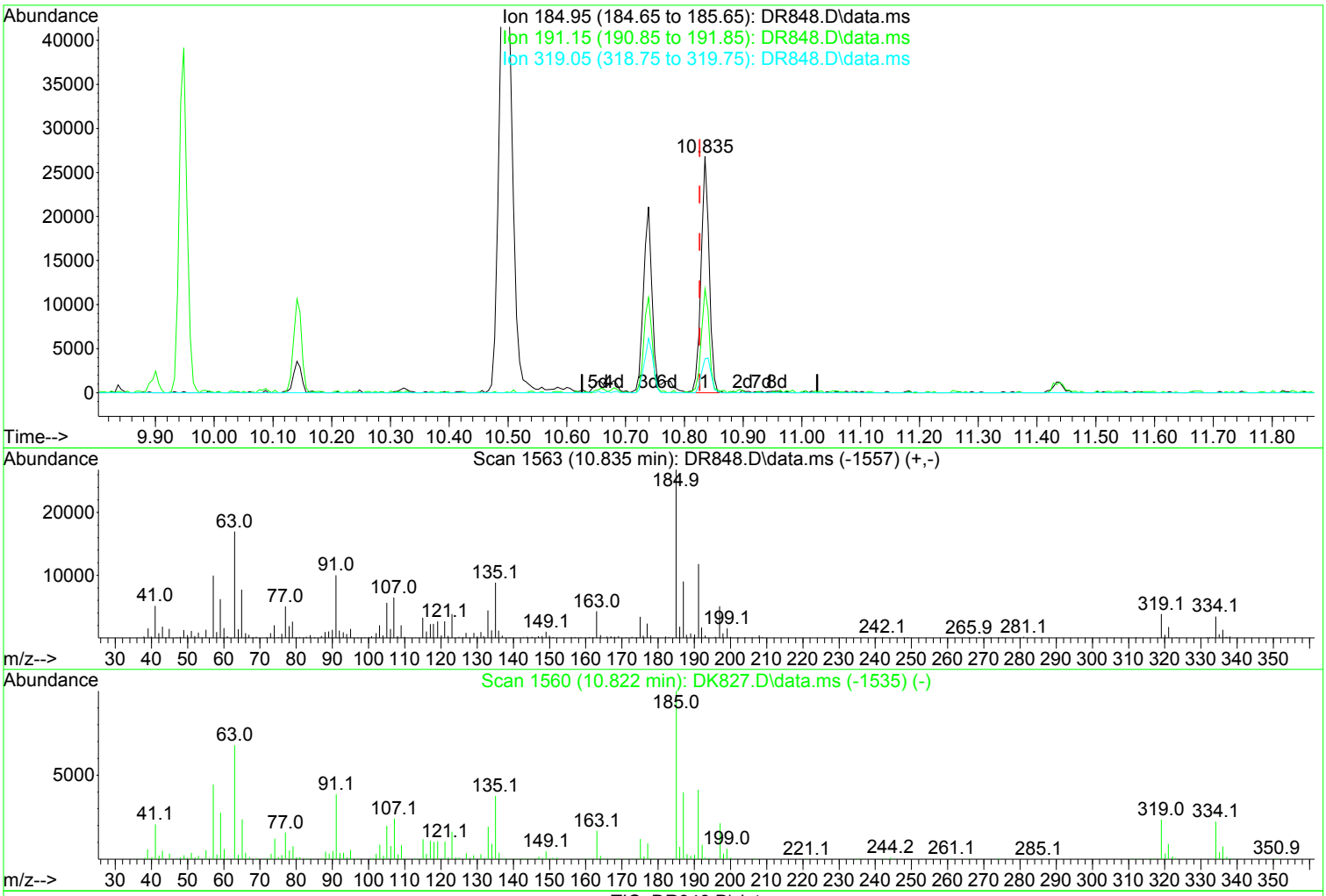
Split Peak.

05/01/19

1st DM 05/01/19
2nd BA 05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR848.D
Acq On : 30 Apr 2019 2:39 pm
Operator : JMisiurewicz
Sample : ICV
Misc : Initial Calibration 8270/625
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 01 09:43:24 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration



TIC: DR848.D\data.ms

(125) Aramite (TM)

10.835min (+ 0.009) 18.13 ppm

response 25917

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	41.10	43.76
319.05	14.30	14.34
0.00	0.00	0.00

Manual Integration:

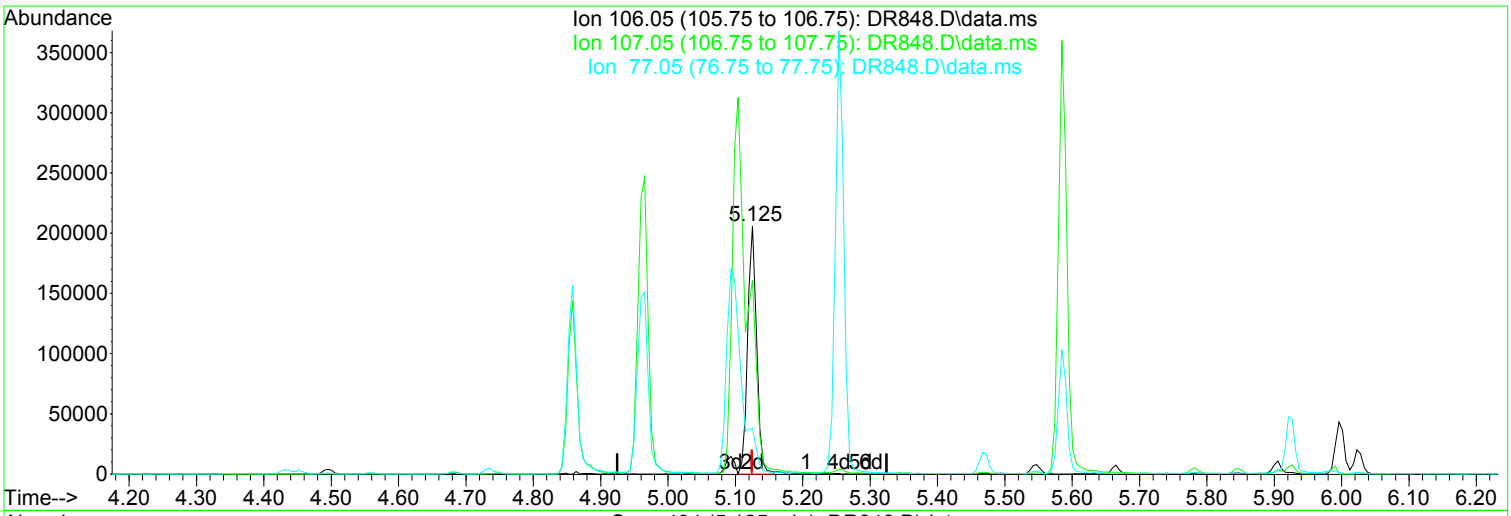
Before

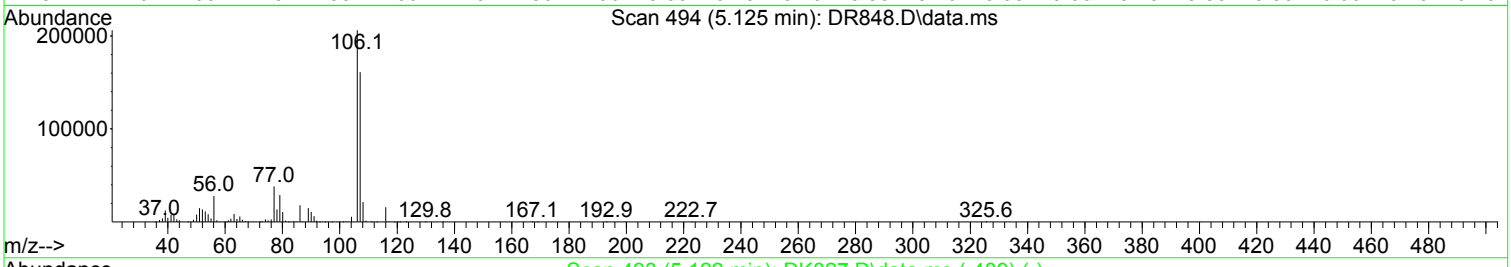
05/01/19

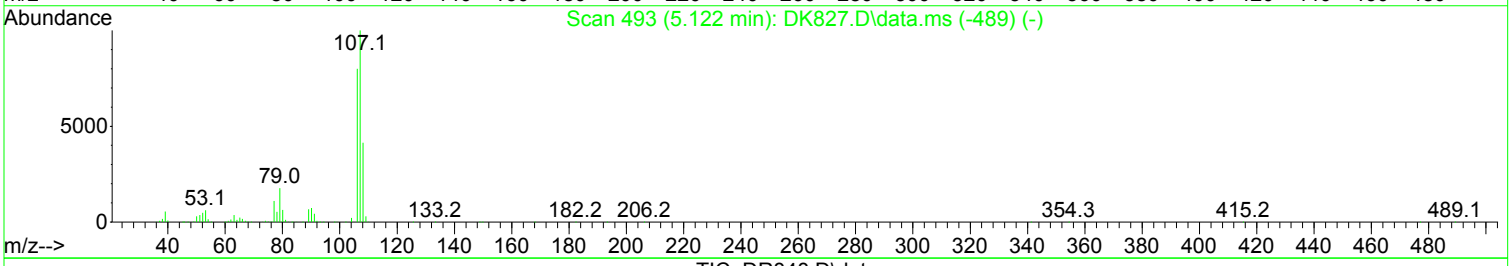
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR848.D
Acq On : 30 Apr 2019 2:39 pm
Operator : JMisiurewicz
Sample : ICV
Misc : Initial Calibration 8270/625
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 01 09:43:24 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration







TIC: DR848.D\data.ms

(29) o-Toluidine (TM)

5.125min (+ 0.000) 32.64 ppm m

response 192806

Ion	Exp%	Act%
106.05	100.00	100.00
107.05	41.90	78.19
77.05	1.60	18.52
0.00	0.00	0.00

Manual Integration:

After

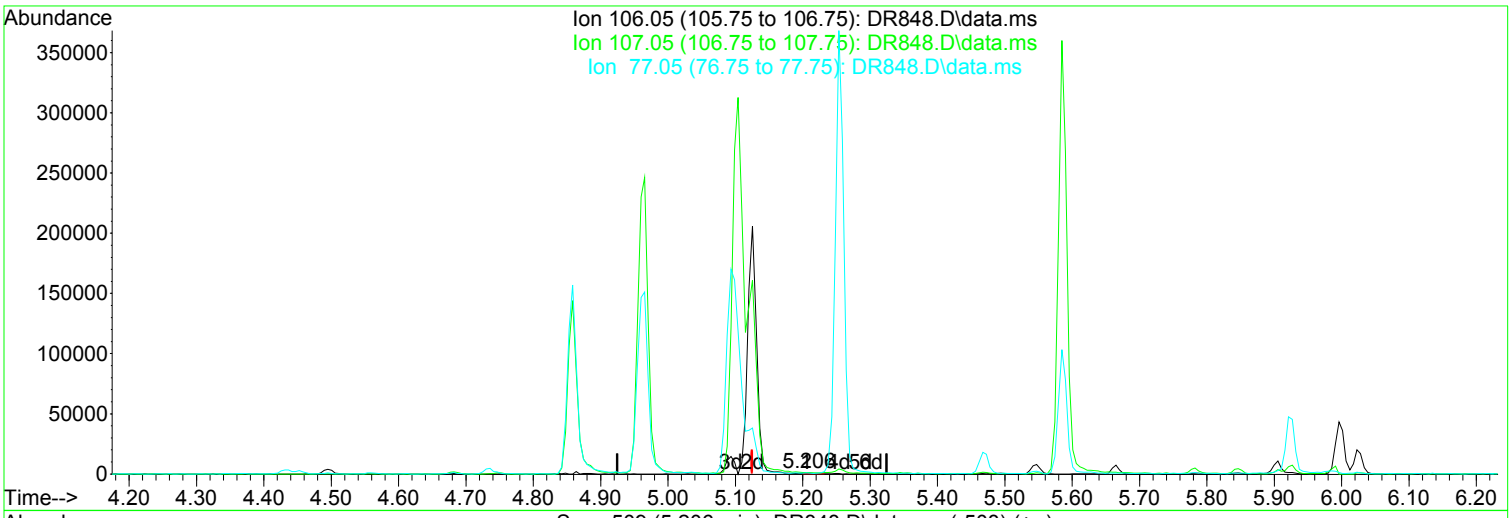
Peak not found.

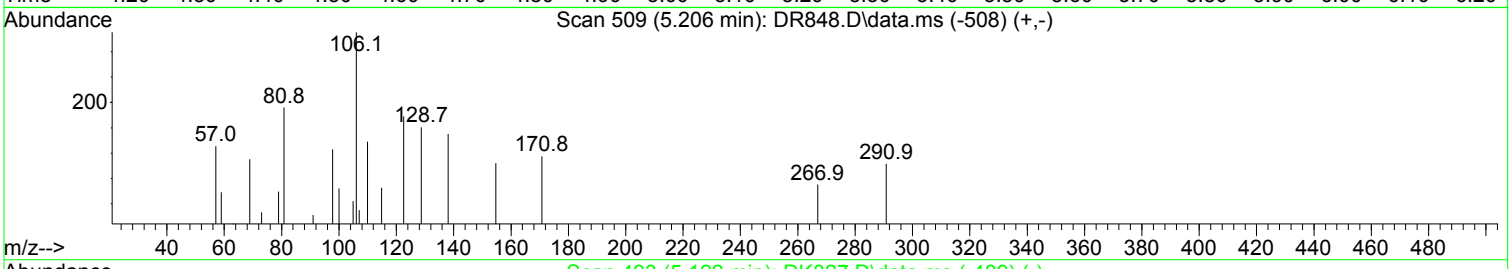
05/01/19

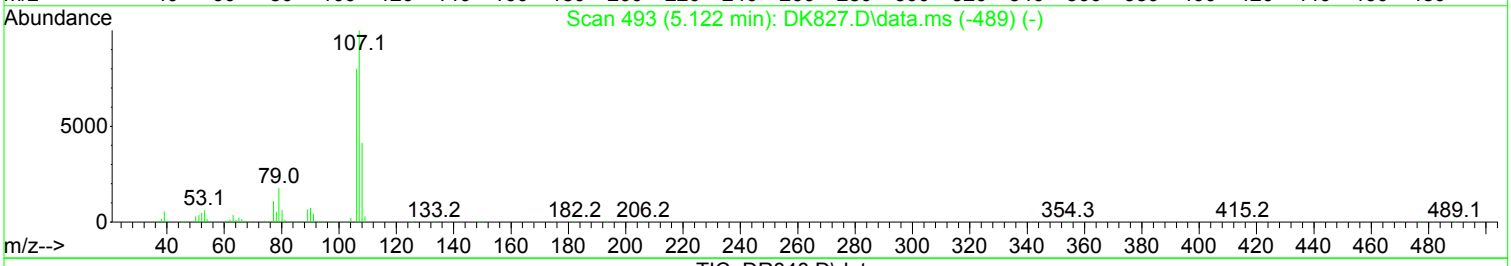
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR848.D
Acq On : 30 Apr 2019 2:39 pm
Operator : JMisiurewicz
Sample : ICV
Misc : Initial Calibration 8270/625
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 01 09:43:24 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration







TIC: DR848.D\data.ms

(29) o-Toluidine (TM)

5.206min (+ 0.080) 0.07 ppm

response 402

Ion	Exp%	Act%
106.05	100.00	100.00
107.05	41.90	9.65
77.05	1.60	0.00
0.00	0.00	0.00

Manual Integration:

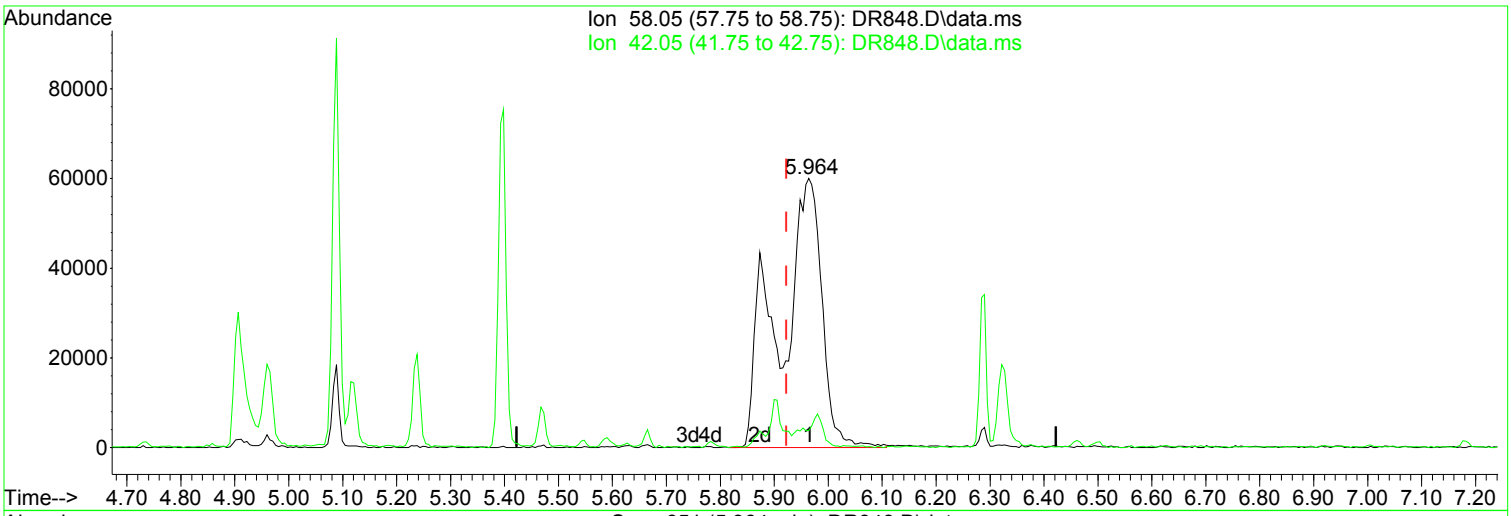
Before

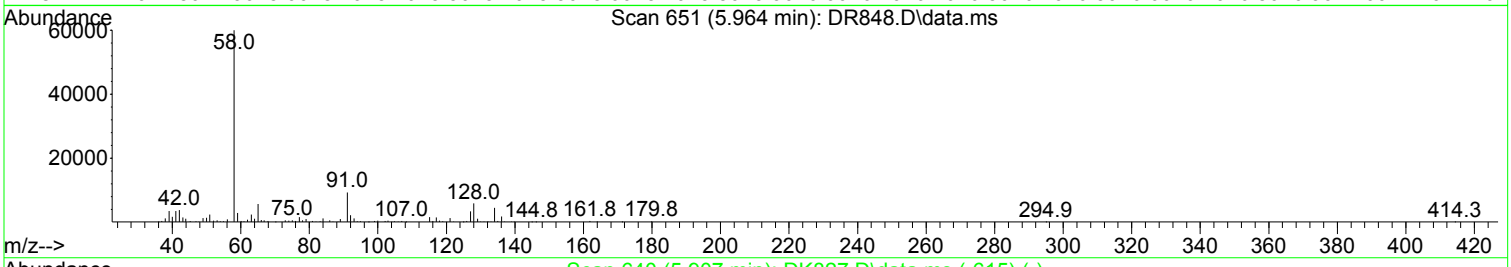
05/01/19

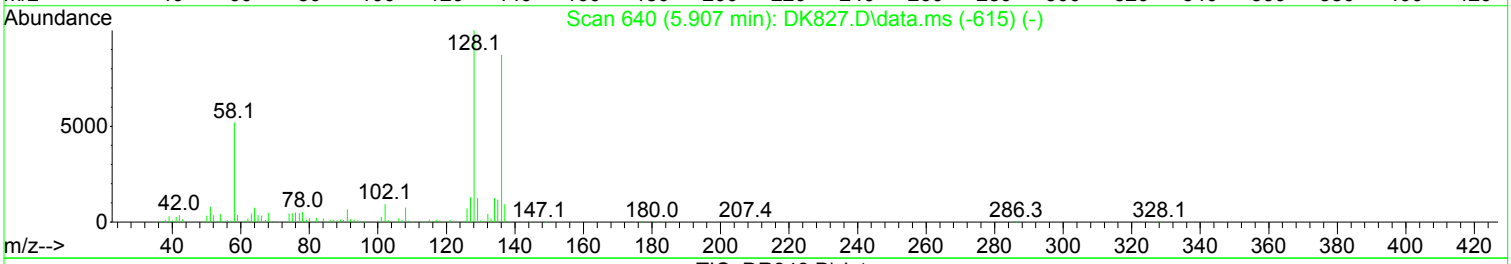
1st DM 05/01/19
2nd BA 05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR848.D
Acq On : 30 Apr 2019 2:39 pm
Operator : JMisiurewicz
Sample : ICV
Misc : Initial Calibration 8270/625
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 01 09:43:24 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration







TIC: DR848.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

5.964min (+ 0.042) 41.62 ppm m

response 321567

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	7.40	6.36
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

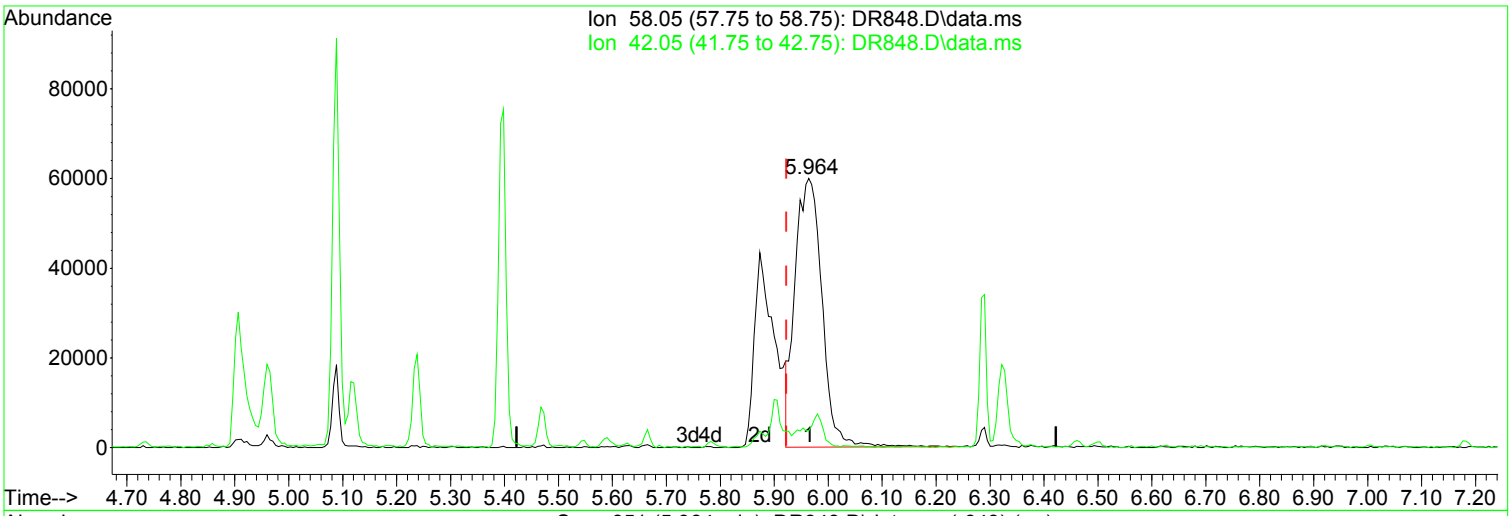
Poor integration.

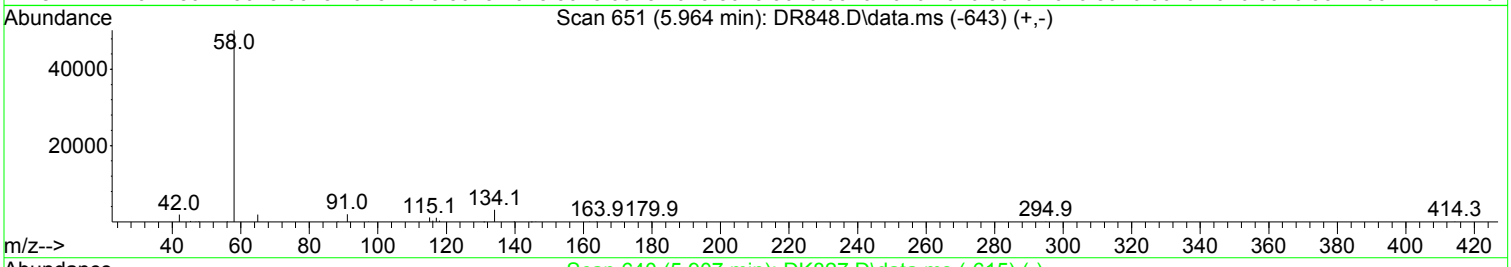
05/01/19

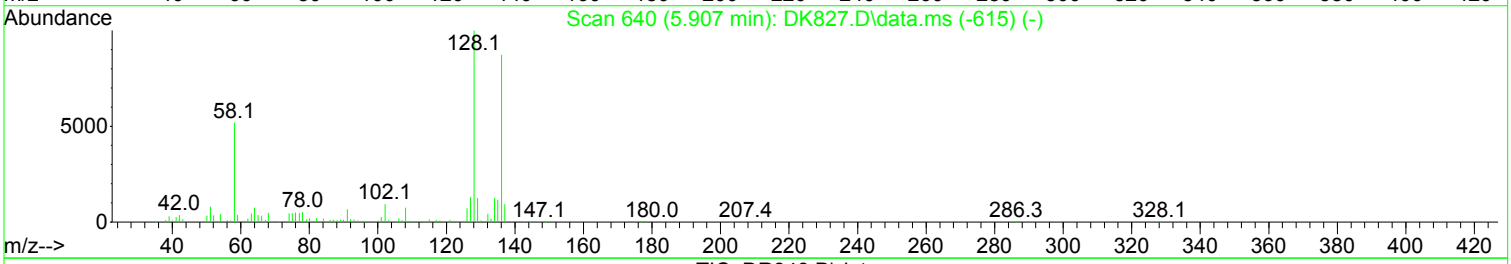
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR848.D
Acq On : 30 Apr 2019 2:39 pm
Operator : JMisiurewicz
Sample : ICV
Misc : Initial Calibration 8270/625
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 01 09:43:24 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration







TIC: DR848.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

5.964min (+ 0.042) 27.05 ppm

response 209045

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	7.40	3.82
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

05/01/19

1st DM 05/01/19
2nd BA 05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR848.D
Acq On : 30 Apr 2019 2:39 pm
Operator : JMisiurewicz
Sample : ICV
Misc : Initial Calibration 8270/625
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 01 09:43:24 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.736	152	109887	40.00	ppm	0.00
33) d8-Naphthalene	5.905	136	407486	40.00	ppm	0.00
57) d10-Acenaphthene	7.614	164	204693	40.00	ppm	0.00
91) d10-Phenanthrene	9.089	188	313390	40.00	ppm	0.00
117) d12-Chrysene	12.357	240	284009	40.00	ppm	0.00
135) d12-Perylene	15.290	264	279566	40.00	ppm	0.00
System Monitoring Compounds						
7) SURR1,2-FLUOROPHENOL	3.662	112	307572	76.95	ppm	0.00
Spiked Amount 100.000	Range 10 - 70		Recovery = 76.95%#			
12) SURR2,PHENOL-D6	4.420	99	390866	79.60	ppm	0.00
Spiked Amount 100.000	Range 10 - 107		Recovery = 79.60%			
34) SURR4,NITROBENZENE-D5	5.238	82	314328	76.02	ppm	0.00
Spiked Amount 50.000	Range 31 - 110		Recovery = 152.04%#			
63) SURR5,2-FLUOROBIPHENYL	6.947	172	596169	76.59	ppm	0.00
Spiked Amount 50.000	Range 31 - 118		Recovery = 153.18%#			
88) SURR3,2,4,6-TRIBROMOPH...	8.400	330	64750	77.25	ppm	0.00
Spiked Amount 100.000	Range 35 - 141		Recovery = 77.25%			
124) SURR6,TERPHENYL-D14	10.771	244	532000	79.52	ppm	0.00
Spiked Amount 50.000	Range 10 - 165		Recovery = 159.04%			
Target Compounds						Qvalue
2) Pyridine	2.615	79	144794	33.731	ppm	95
3) N-Nitrosodimethylamine	2.583	74	71084	27.709	ppm	97
4) 2-Picoline	3.192	93	144479	33.104	ppm	98
5) N-Nitrosomethylamine	3.283	42	57467	32.551	ppm	99
6) Methyl Methansulfonate	3.523	80	174238	87.638	ppm	98
8) N-Nitrosodiethylamine	3.833	102	156154	80.123	ppm	84
9) Ethyl Mathanesulfonate	4.073	79	97190	28.929	ppm	96
11) Aniline	4.452	93	198201	31.626	ppm	95
13) Phenol	4.436	94	413777	77.048	ppm	94
14) bis(2-Clethyl)Ether	4.495	93	300416	80.848	ppm	98
15) Pentachloroethane	4.490	117	117230	78.356	ppm	95
16) 2-Chlorophenol	4.559	128	348816	82.688	ppm	97
17) 1,3-Diclbenzene	4.682	146	359385	81.860	ppm	98
18) 1,4-Dichlorobenzene	4.752	146	360849	80.318	ppm	96
19) 1,2-Diclbenzene	4.885	146	337641	78.655	ppm	99
20) Benzyl Alcohol	4.858	79	239826	83.942	ppm	94
21) 1-Methyl-2-pyrrolidinone	4.906	99	91994	35.231	ppm	96
22) 2,2'-oxybis(1-Chloropr...	4.960	45	353749	99.076	ppm	95
23) 2-Methylphenol	4.965	108	295393	78.040	ppm	96
24) 3+4-Methylphenol	5.104	108	323506	75.534	ppm	93
25) Acetophenone	5.093	105	166359	31.274	ppm	85
26) N-Nitroso-Di-n-propyla...	5.088	70	94953	33.097	ppm	97
27) N-Nitrosopyrrolidine	5.088	100	69005	33.077	ppm	97
28) N-Nitrosomorpholine	5.120	56	62504	30.438	ppm	97
29) o-Toluidine	5.125	106	192806m	32.639	ppm	
30) Hexachloroethane	5.184	117	139329	80.571	ppm	97
31) o,o,o-Triethylphosphor...	5.628	198	61548	34.174	ppm	91
32) Alpha-terpinol	5.927	121	48910	34.844	ppm	92
35) Nitrobenzene	5.254	77	323915	77.992	ppm	98
36) N-Nitrosopiperidine	5.398	42	75003	33.225	ppm	89
37) Isophorone	5.467	82	498246	71.974	ppm	99
38) 2-Nitrophenol	5.547	139	180494	83.999	ppm	98
39) 2,4-Dimethylphenol	5.585	107	324014	83.736	ppm	95

1st DM 05/01/19
2nd BA 05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR848.D
Acq On : 30 Apr 2019 2:39 pm
Operator : JMisiurewicz
Sample : ICV
Misc : Initial Calibration 8270/625
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 01 09:43:24 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
40)	bis(-2-Chloroethoxy)Me...	5.665	93	351413	86.338	ppm		99
42)	2,4-Dichlorophenol	5.782	162	259386	84.629	ppm		96
43)	a,a-Dimethylphenethyla...	5.964	58	321567m	41.615	ppm		
44)	1,2,4-Trichlorobenzene	5.846	180	261886	81.038	ppm		98
45)	Naphthalene	5.927	128	944199	84.073	ppm		99
46)	4-Chloroaniline	5.985	127	372688	79.306	ppm		99
47)	2,6-Dichlorophenol	5.991	162	253657	79.142	ppm		99
48)	Hexachlorobutadiene	6.028	225	131738	80.455	ppm		96
49)	Hexachloropropene	5.996	213	160542	78.471	ppm		100
50)	4-Chloro-3-methylphenol	6.461	107	262856	85.869	ppm		96
51)	N-N-di-n-butylamine	6.290	84	79037	32.559	ppm		97
52)	Caprolactam	6.322	113	39150	32.225	ppm		97
53)	p-Phenylenediamine	6.338	80	462	0.590	ppm	#	21
54)	Safrole	6.498	162	230278	79.880	ppm		98
55)	2-Methylnaphthalene	6.589	142	580441	79.860	ppm		97
56)	1-Methylnaphthalene	6.685	142	584388	85.940	ppm		99
58)	Hexachlorocyclopentadiene	6.733	237	118843	81.880	ppm		100
59)	1,2,4,5-Tetrachloroben...	6.749	216	234967	77.993	ppm		97
60)	1,2,3,4-Tetrachloroben...	7.032	216	99556	31.383	ppm		100
61)	2,4,6-Trichlorophenol	6.872	196	166314	87.159	ppm		98
62)	2,4,5-Trichlorophenol	6.925	196	162706	79.278	ppm		99
64)	Isosafrole	7.006	104	40259	30.582	ppm		85
65)	1,1'-Biphenyl	7.043	154	293710	32.390	ppm		97
66)	2-Chloronaphthalene	7.070	162	520430	79.407	ppm		100
67)	2-Nitroaniline	7.182	65	60788	32.447	ppm		89
68)	1,4-Naphthoquinone	7.257	158	74679	36.296	ppm		96
69)	m-Dinitrobenzene	7.401	168	101249	78.630	ppm		91
70)	Acenaphthylene	7.476	152	871112	82.982	ppm		99
71)	Dimethyl phthalate	7.347	163	557070	72.699	ppm		98
72)	2,6-Dinitrotoluene	7.417	165	134363	77.237	ppm		96
73)	Acenaphthene	7.646	153	562619	77.043	ppm		98
74)	3-Nitroaniline	7.588	138	67820	33.913	ppm		94
75)	2,4-Dinitrophenol	7.700	184	56352	83.121	ppm		84
76)	Dibenzofuran	7.817	168	726376	80.550	ppm		99
77)	2,4-Dinitrotoluene	7.817	165	179362	78.068	ppm		97
78)	4-Nitrophenol	7.801	65	105728	80.582	ppm	#	41
79)	Pentachlorobenzene	7.775	250	186333	77.177	ppm		97
80)	1-Napthylamine	7.903	143	157773	33.223	ppm		97
81)	2-Napthylamine	7.983	143	158259	26.172	ppm		97
82)	2,3,4,6-Tetrachlorophenol	7.946	232	109500	79.525	ppm		93
83)	Fluorene	8.154	166	576685	77.779	ppm		100
84)	4-Chlorophenyl-phenyle...	8.149	204	253715	84.821	ppm		98
85)	Diethylphthalate	8.036	149	550011	72.478	ppm		98
86)	4-Nitroaniline	8.202	138	68768	34.862	ppm		95
87)	5-Nitro-o-toluidine	8.181	152	71955	32.129	ppm		100
89)	Sulfotepp	8.416	322	77194	81.503	ppm		98
90)	Octachlorocyclopentene	8.394	307	30405	31.535	ppm		95
92)	Thionazin	8.116	107	37889	30.817	ppm		98
93)	4,6-Dinitro-2-methylph...	8.223	198	104180	86.239	ppm		94
94)	Diphenylamine	8.271	169	360803	65.152	ppm		99
95)	1,2 Diphenylhydrazine	8.309	77	220545	31.559	ppm		94
96)	N-Nitrosodiphenylamine	8.271	169	360803	65.152	ppm		99
97)	1,3,5-Trinirobenzene	8.597	74	82038	82.078	ppm		96
98)	Diallate	8.544	86	85510	29.676	ppm		97
99)	Phorate	8.554	121	47862	33.017	ppm		97
100)	Phenacetin	8.597	108	125202	34.292	ppm		99

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR848.D
Acq On : 30 Apr 2019 2:39 pm
Operator : JMisiurewicz
Sample : ICV
Misc : Initial Calibration 8270/625
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 01 09:43:24 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration

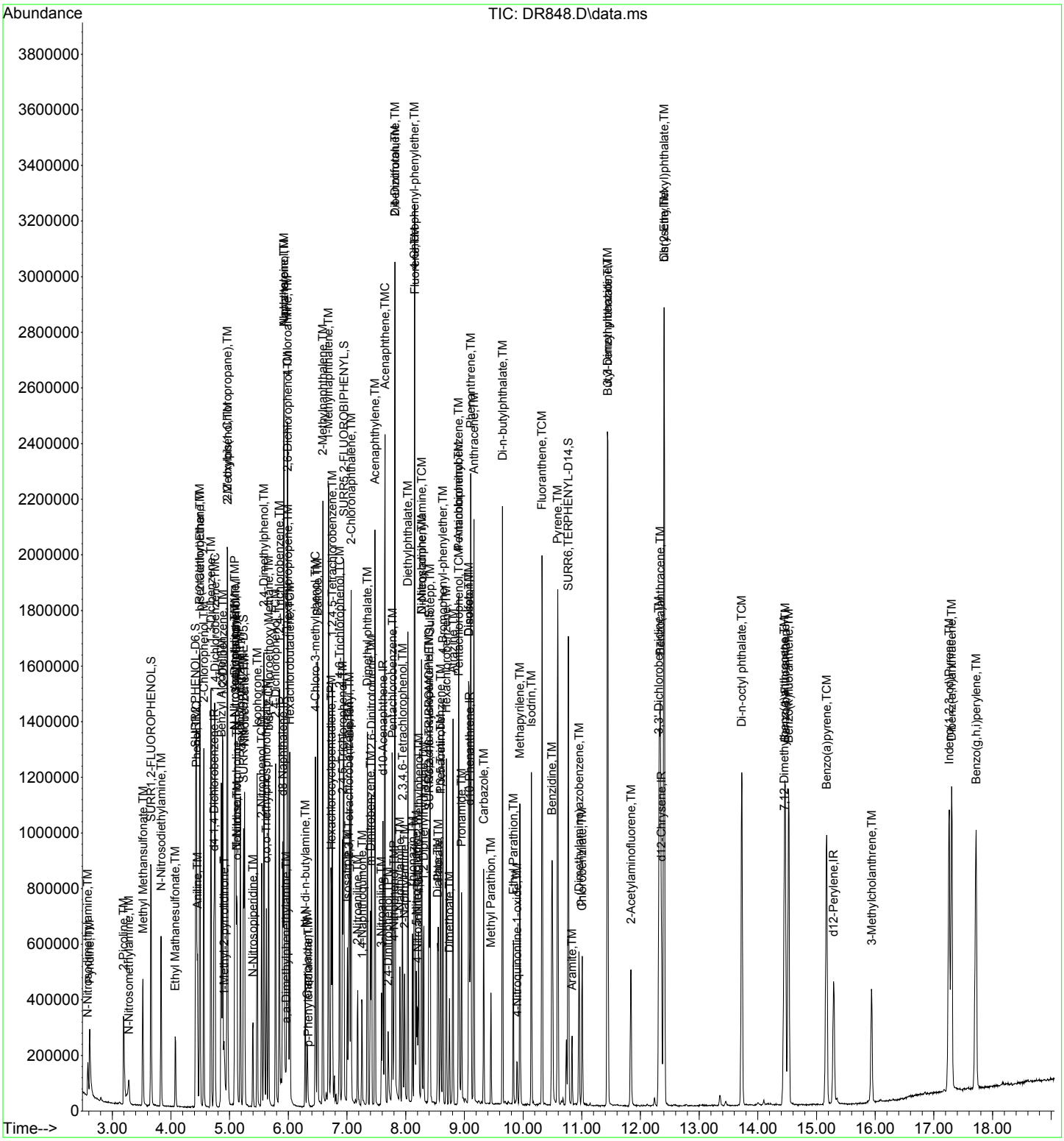
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
101) 4-Bromophenyl-phenylether	8.635	248	136182	83.105	ppm	96
102) Hexachlorobenzene	8.693	284	140685	76.344	ppm	96
103) Dimethoate	8.747	87	69683	29.101	ppm	95
104) Atrazine	8.805	215	76941	85.866	ppm	99
105) Pentachlorophenol	8.907	266	56315	82.458	ppm	99
106) 4-Aminobiphenyl	8.902	169	180788	32.128	ppm	97
107) Pentachloronitrobenzene	8.902	237	56181	82.524	ppm	94
108) Pronamide	8.950	173	112086	34.981	ppm	98
109) Dinoseb	9.072	211	124811	78.498	ppm	96
110) Disulfoton	9.072	88	122998	35.784	ppm	91
111) Phenanthrene	9.110	178	781328	78.835	ppm	99
112) Anthracene	9.163	178	783477	79.561	ppm	98
113) Carbazole	9.329	167	322224	33.311	ppm	99
114) Di-n-butylphthalate	9.649	149	988324	79.048	ppm	99
115) 4-Nitroquinonline-1-oxide	9.900	190	17060	29.101	ppm	89
116) Fluoranthene	10.322	202	828026	81.607	ppm	99
118) Methyl Parathion	9.452	109	65405	29.048	ppm	92
119) Ethyl Parathion	9.836	97	55198	32.812	ppm	95
120) Methapyrilene	9.943	58	319013	130.356	ppm	99
121) Isodrin	10.141	193	83037	79.966	ppm	98
122) Benzidine	10.493	184	548565	82.317	ppm	99
123) Pyrene	10.589	202	855730	82.052	ppm	99
125) Aramite	10.835	185	49320m	34.501	ppm	
126) p-(Dimethylamino)azobe...	10.953	120	110438	35.645	ppm	95
127) Chlorobenzilate	11.006	139	122540	33.855	ppm	91
128) Butyl benzyl phthalate	11.444	149	458507	79.249	ppm	99
129) 3,3-Dimethylbenzidine	11.439	212	511368	80.613	ppm	97
130) 2-Acetylaminofluorene	11.839	181	156450	33.860	ppm	98
131) 3,3'-Dichlorobenzidine	12.315	252	284529	75.318	ppm	99
132) Benzo(a)anthracene	12.336	228	750034	77.774	ppm	98
133) Chrysene	12.405	228	733193	82.643	ppm	98
134) bis(2-Ethylhexyl)phtha...	12.405	149	624678	78.462	ppm	97
136) Di-n-octyl phthalate	13.725	149	1015108	76.510	ppm	99
137) 7,12-Dimethylbenz(a)an...	14.451	256	138203	32.701	ppm	96
138) Benzo(b)Fluoranthene	14.467	252	738499	79.380	ppm	99
139) Benzo(k)fluoranthene	14.526	252	716890	81.359	ppm	96
140) Benzo(a)pyrene	15.172	252	663908	82.980	ppm	97
141) 3-Methylcholanthrene	15.941	268	148523	31.696	ppm	95
142) Indeno(1,2,3-cd)Pyrene	17.260	276	631768	80.518	ppm	96
143) Dibenz(a,h)anthracene	17.303	278	652317	79.347	ppm	99
144) Benzo(g,h,i)perylene	17.720	276	627174	92.744	ppm	99

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

1st JM 05/01/19
2nd BA 05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR848.D
Acq On : 30 Apr 2019 2:39 pm
Operator : JMisiurewicz
Sample : ICV
Misc : Initial Calibration 8270/625
ALS Vial : 14 Sample Multiplier: 1

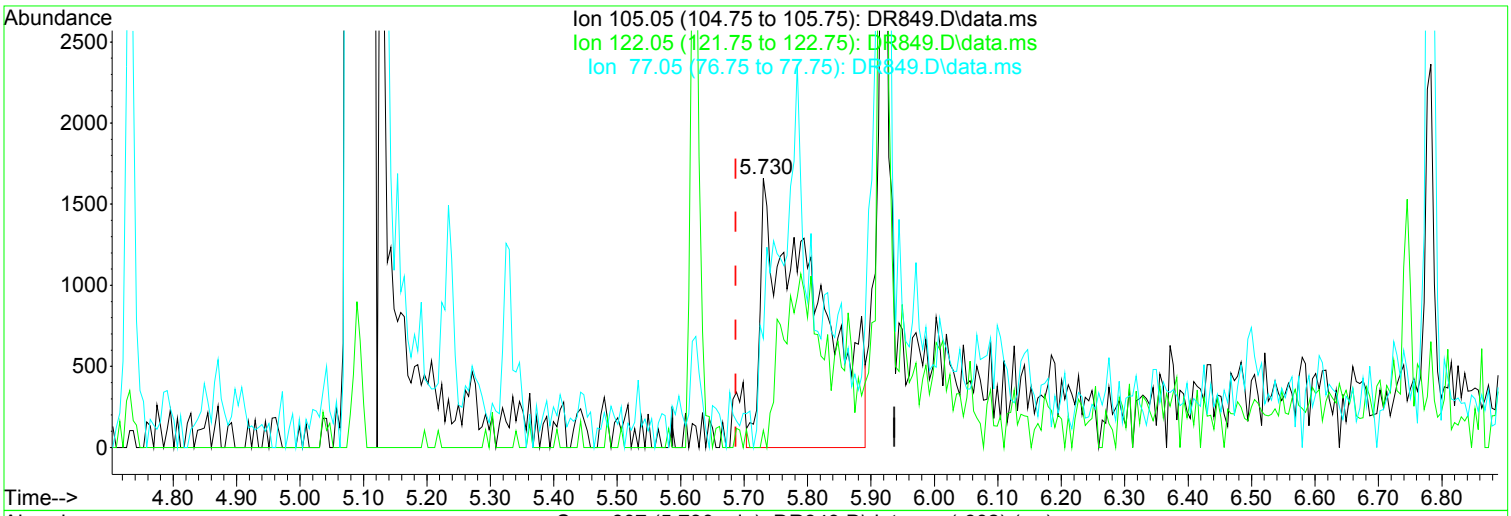
Quant Time: May 01 09:43:24 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration

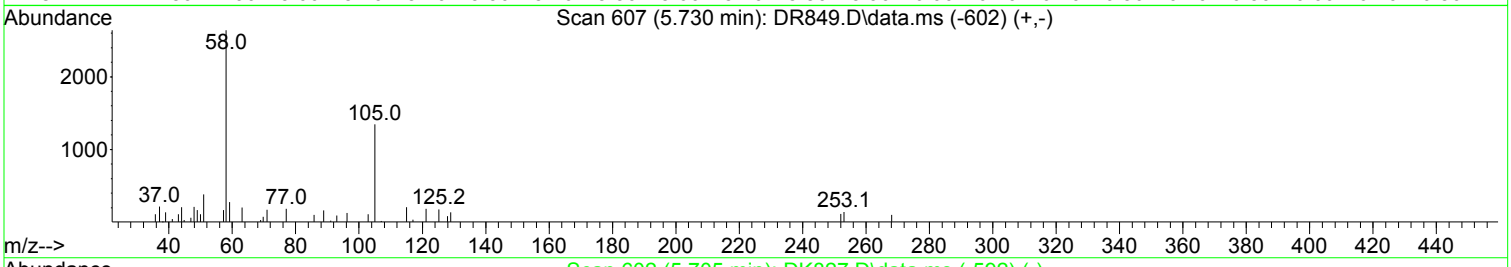


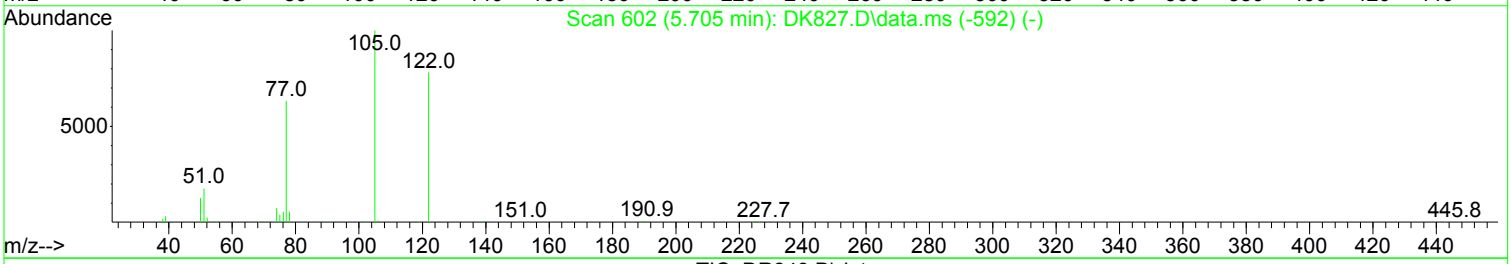
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR849.D
Acq On : 30 Apr 2019 3:07 pm
Operator : JMisiurewicz
Sample : ICV #2
Misc : Initial Calibration 8270/625
ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 01 09:47:54 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration







TIC: DR849.D\data.ms

(41) Benzoic Acid (TM)

5.730min (+ 0.043) 22.98 ppm m

response 9800

Ion	Exp%	Act%
105.05	100.00	100.00
122.05	82.40	6.45#
77.05	69.60	40.53
0.00	0.00	0.00

Manual Integration:

After

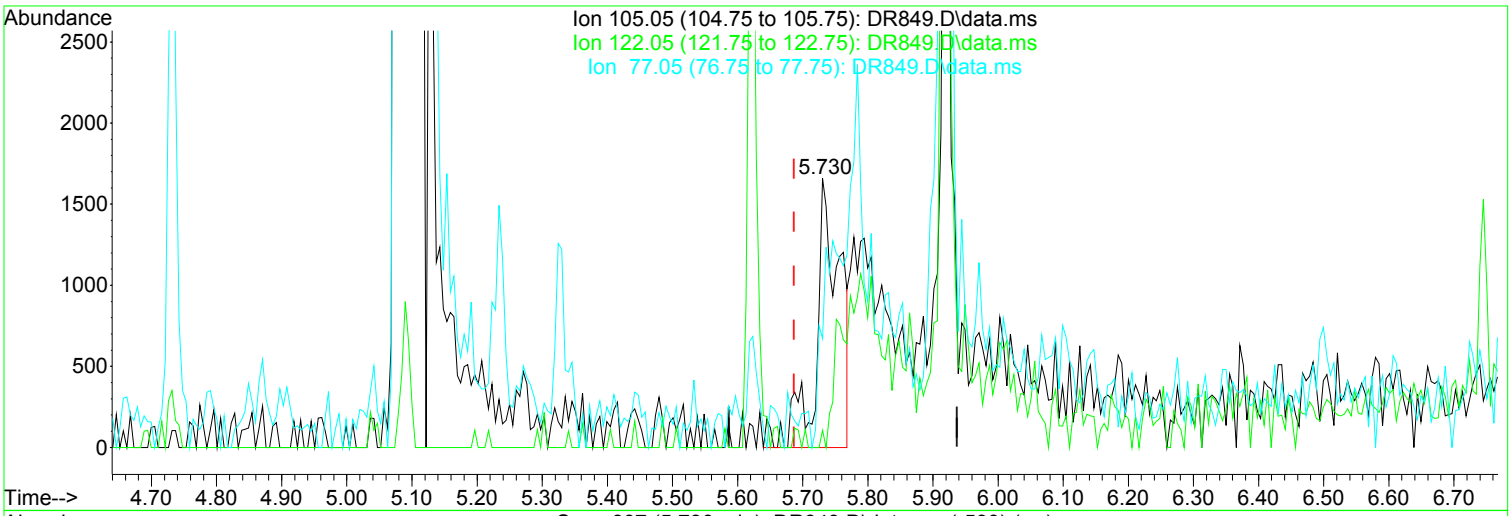
Poor integration.

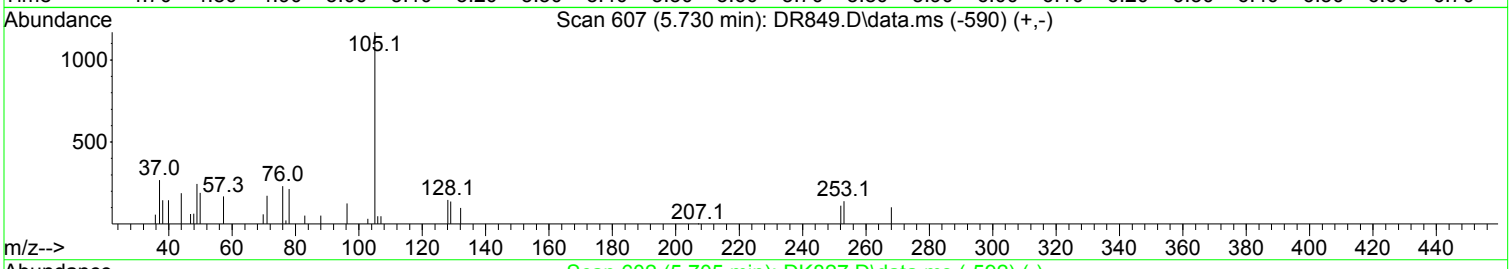
05/01/19

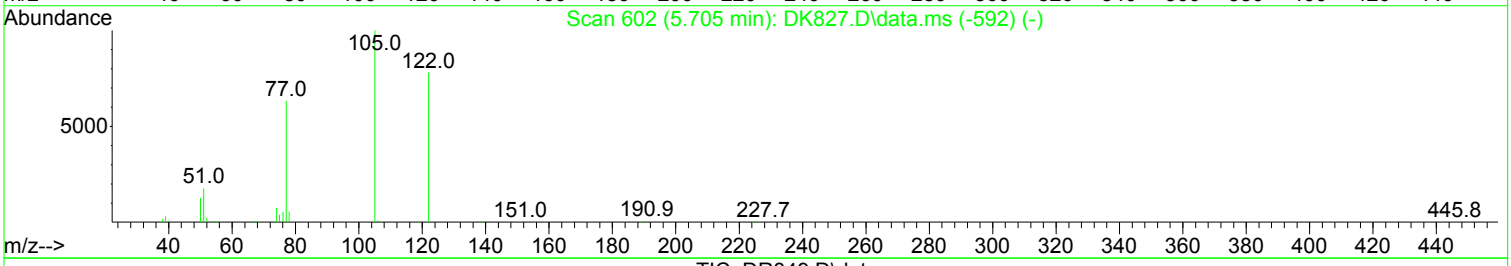
1st DM 05/01/19
2nd BA 05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR849.D
Acq On : 30 Apr 2019 3:07 pm
Operator : JMisiurewicz
Sample : ICV #2
Misc : Initial Calibration 8270/625
ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 01 09:47:54 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration







TIC: DR849.D\data.ms

(41) Benzoic Acid (TM)

5.730min (+ 0.043) 19.45 ppm

response 4134

Ion	Exp%	Act%
105.05	100.00	100.00
122.05	82.40	0.00#
77.05	69.60	1.92#
0.00	0.00	0.00

Manual Integration:

Before

05/01/19

Analysis: 8270/625 Analyst: OMS/Urcuiler Run Method: 8270A/Tune
Date: 4/30/19 Instr. 5973A R-MS-51 Quant Method: 8-70043019A-M
Syringes: LIMS Run#: 633877

Pos.	Sample	Diln.	Stds. ID	File#	OK?	Comments
1	Blk			DR834	—	
2	Tune		198691	35	(N)	
2	Tune		↓	36	Y	8:01
3	CCV			37	(N)	recalibrate
4	Blk			38	Y	
5	1 ppm SSD		199023	39	Y	
6	2.5		24	40	Y	
7	5.0		25	41	Y	
8	10		26	42	Y	
9	50 RQ190055D		27	43	Y	
10	80		28	44	Y	
11	100		29	45	Y	
12	120		30	46	Y	
13	160		↓ 31	47	Y	
14	ICV #1	199034	198999	48	Y Q	
15	↓ #2		199000	49	Y Q	Benzaldehyde/Benzoic Acid only
16	CCV		199028	50	YCC	
17	RQ190355-01	Blk	335128	51	Y	
18	-02	LCS	(625)	52	YQ	
19	↓ -03	LCSD		53	YQ	
20	R190338G-001			54	Y	
21	RQ190361-01	Blk	335197	55	Y	
22	-02	LCS	(625)	56	YQ	
23	↓ -03	LCSD		57	YQ	
24	R190348D-003			58	Y	
25	R190350D-001			59	Y	
26	RQ190342-01	Blk	335378	60	Y	
27	-02	LCS	(625)	61	YQ	
28	↓ -03	LCSD		62	YQ	
29	R190351S-002			63	Y	
30	R190350S-001			64	Y	
31	-002			65	Y	10:50
32	↓ -003			66	(N)	out of tune 11:18

All samples = 1 mL + 10 uL Combined IS/Surr.; 197704

Primary: exp: Secondary: exp:
Primary: exp: Secondary: exp:
Reagents:

Runlog GCEXT r2 4/27/17
O-1002 Page 52

ALS Group USA, Corp.

DBA ALS Environmetal

QC/QC Report

Date Analyzed: 4/30/19 8:01

ICAL Tune Summary

Semi Volatile Organic Compounds by GC/MS

ile ID: I:\ACQUDATA\5973A\DATA\043019\DR836.D Analytical Method: 8270D

ıstrument ID: R-MS-51

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Results Pass/Fail
51	198	10	80	42.1	32694	PASS
68	69	0	2	0.0	0	PASS
69	198	0	100	47.0	36473	PASS
70	69	0	2	0.8	285	PASS
127	198	10	80	53.7	41683	PASS
197	198	0	2	0.8	623	PASS
198	198	100	100	100.0	77571	PASS
199	198	5	9	6.1	4703	PASS
275	198	10	60	22.1	17145	PASS
365	198	1	100	2.5	1971	PASS
441	442	0.01	24	17.8	10928	PASS
442	442	100	100	100.0	61379	PASS
443	442	15	24	18.6	11428	PASS

ample Name	Lab Code	File ID:	Date Analyzes:	Q
LK	BLK	I:\ACQUDATA\5973A\DATA\043019\DR838.D	4/30/19 9:12	
ppm STD	1 ppm STD	I:\ACQUDATA\5973A\DATA\043019\DR839.D	4/30/19 9:40	
.5 ppm STD	2.5 ppm STD	I:\ACQUDATA\5973A\DATA\043019\DR840.D	4/30/19 10:09	
.0 ppm STD	5.0 ppm STD	I:\ACQUDATA\5973A\DATA\043019\DR841.D	4/30/19 10:38	
0 ppm STD	10 ppm STD	I:\ACQUDATA\5973A\DATA\043019\DR842.D	4/30/19 11:08	
0 ppm STD	50 ppm STD	I:\ACQUDATA\5973A\DATA\043019\DR843.D	4/30/19 12:00	
0 ppm STD	80 ppm STD	I:\ACQUDATA\5973A\DATA\043019\DR844.D	4/30/19 12:34	
00 ppm STD	100 ppm STD	I:\ACQUDATA\5973A\DATA\043019\DR845.D	4/30/19 13:03	
20 ppm STD	120 ppm STD	I:\ACQUDATA\5973A\DATA\043019\DR846.D	4/30/19 13:33	
60 ppm STD	160 ppm STD	I:\ACQUDATA\5973A\DATA\043019\DR847.D	4/30/19 14:03	
CV	ICV	I:\ACQUDATA\5973A\DATA\043019\DR848.D	4/30/19 14:39	
CV #2	ICV #2	I:\ACQUDATA\S973A\DATA\043019\DR849.D	4/30/19 15:07	

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Day Environmental, Inc. **Service Request:** R1903959
Project: 32 York St **Calibration Date:** 3/14/2019

Initial Calibration Summary
Semivolatile Organic Compounds by GC/MS

Calibration ID: RC1900040 **Signal ID:** 1
Instrument ID: R-MS-54

#	Lab Code	Sample Name	File Location	Acquisition Date
06	RC1900040-06	2.5 ppm STD	I:\ACQUDATA\5973D\Data\031419\BR279.D	03/14/2019 14:14
04	RC1900040-04	5.0 ppm STD	I:\ACQUDATA\5973D\Data\031419\BR280.D	03/14/2019 14:41
01	RC1900040-01	10 ppm STD	I:\ACQUDATA\5973D\Data\031419\BR281.D	03/14/2019 15:09
02	RC1900040-02	50 ppm STD	I:\ACQUDATA\5973D\Data\031419\BR282.D	03/14/2019 15:37
03	RC1900040-03	80 ppm STD	I:\ACQUDATA\5973D\Data\031419\BR283.D	03/14/2019 16:06
07	RC1900040-07	100 ppm STD	I:\ACQUDATA\5973D\Data\031419\BR284.D	03/14/2019 16:34
08	RC1900040-08	120 ppm STD	I:\ACQUDATA\5973D\Data\031419\BR285.D	03/14/2019 17:03
09	RC1900040-09	160 ppm STD	I:\ACQUDATA\5973D\Data\031419\BR286.D	03/14/2019 17:32

Analyte

1,2,4,5-Tetrachlorobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	0.6955	04	5.000	0.6604	01	10.000	0.7014	02	50.000	0.7036
03	80.000	0.7149	07	100.000	0.7096	08	120.000	0.7367	09	160.000	0.7392

2,2'-Oxybis(1-chloropropane)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	1.203	04	5.000	1.311	01	10.000	1.212	02	50.000	1.237
03	80.000	1.26	07	100.000	1.214	08	120.000	1.261	09	160.000	1.365

2,3,4,6-Tetrachlorophenol

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	5.000	0.3179	01	10.000	0.3837	02	50.000	0.386	03	80.000	0.4006
07	100.000	0.3875	08	120.000	0.4074	09	160.000	0.4374			

2,4,5-Trichlorophenol

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	0.423	04	5.000	0.4626	01	10.000	0.4504	02	50.000	0.4779
03	80.000	0.4637	07	100.000	0.4593	08	120.000	0.4692	09	160.000	0.4948

2,4,6-Tribromophenol

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	0.238	04	5.000	0.2653	01	10.000	0.3012	02	50.000	0.2916
03	80.000	0.3038	07	100.000	0.2918	08	120.000	0.3058	09	160.000	0.3213

2,4,6-Trichlorophenol

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	0.3407	04	5.000	0.3834	01	10.000	0.3995	02	50.000	0.4388
03	80.000	0.4606	07	100.000	0.4394	08	120.000	0.4539	09	160.000	0.4608

2,4-Dichlorophenol

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	0.2551	04	5.000	0.3303	01	10.000	0.3447	02	50.000	0.347
03	80.000	0.349	07	100.000	0.3487	08	120.000	0.3588	09	160.000	0.3716

Client: Day Environmental, Inc. **Service Request:** R1903959
Project: 32 York St **Calibration Date:** 3/14/2019

Initial Calibration Summary
Semivolatile Organic Compounds by GC/MS

Calibration ID: RC1900040 **Signal ID:** 1
Instrument ID: R-MS-54

Analyte

2,4-Dimethylphenol

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	0.3292	04	5.000	0.39	01	10.000	0.4035	02	50.000	0.4087
03	80.000	0.4068	07	100.000	0.4135	08	120.000	0.4232	09	160.000	0.4439

2,4-Dinitrophenol

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	5.000	0.07506	01	10.000	0.1343	02	50.000	0.1751	03	80.000	0.1985
07	100.000	0.1977	08	120.000	0.2131	09	160.000	0.2269			

2,4-Dinitrotoluene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	0.4313	04	5.000	0.4465	01	10.000	0.4717	02	50.000	0.4815
03	80.000	0.5086	07	100.000	0.5075	08	120.000	0.5055	09	160.000	0.5324

2,6-Dinitrotoluene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	0.2893	04	5.000	0.3107	01	10.000	0.3407	02	50.000	0.3488
03	80.000	0.3668	07	100.000	0.3532	08	120.000	0.3645	09	160.000	0.3764

2-Chloronaphthalene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	1.155	04	5.000	1.389	01	10.000	1.365	02	50.000	1.336
03	80.000	1.315	07	100.000	1.312	08	120.000	1.324	09	160.000	1.361

2-Chlorophenol

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	1.382	04	5.000	1.561	01	10.000	1.469	02	50.000	1.503
03	80.000	1.547	07	100.000	1.53	08	120.000	1.599	09	160.000	1.671

2-Fluorobiphenyl

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	1.4	04	5.000	1.609	01	10.000	1.552	02	50.000	1.568
03	80.000	1.645	07	100.000	1.553	08	120.000	1.575	09	160.000	1.64

2-Fluorophenol

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	1.301	04	5.000	1.21	01	10.000	1.434	02	50.000	1.408
03	80.000	1.448	07	100.000	1.438	08	120.000	1.455	09	160.000	1.563

2-Methylnaphthalene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	0.7733	04	5.000	0.8128	01	10.000	0.8392	02	50.000	0.7927
03	80.000	0.8003	07	100.000	0.8072	08	120.000	0.807	09	160.000	0.8525

2-Methylphenol

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	1.12	04	5.000	1.33	01	10.000	1.259	02	50.000	1.372
03	80.000	1.368	07	100.000	1.351	08	120.000	1.368	09	160.000	1.474

Client: Day Environmental, Inc. **Service Request:** R1903959
Project: 32 York St **Calibration Date:** 3/14/2019

Initial Calibration Summary
Semivolatile Organic Compounds by GC/MS

Calibration ID: RC1900040 **Signal ID:** 1
Instrument ID: R-MS-54

Analyte

2-Nitroaniline

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	0.2899	04	5.000	0.3542	01	10.000	0.3477	02	50.000	0.3549
03	80.000	0.3609	07	100.000	0.3562	08	120.000	0.3664	09	160.000	0.379

2-Nitrophenol

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	0.177	04	5.000	0.219	01	10.000	0.2319	02	50.000	0.2249
03	80.000	0.2216	07	100.000	0.2222	08	120.000	0.2306	09	160.000	0.2421

3,3'-Dichlorobenzidine

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	0.4425	04	5.000	0.4822	01	10.000	0.5022	02	50.000	0.5627
03	80.000	0.5686	07	100.000	0.5615	08	120.000	0.5705	09	160.000	0.5842

3- and 4-Methylphenol Coelution

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	1.348	04	5.000	1.398	01	10.000	1.441	02	50.000	1.534
03	80.000	1.626	07	100.000	1.621	08	120.000	1.621	09	160.000	1.73

3-Nitroaniline

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	0.3218	04	5.000	0.332	01	10.000	0.3788	02	50.000	0.3836
03	80.000	0.3969	07	100.000	0.3999	08	120.000	0.3993	09	160.000	0.4165

4,6-Dinitro-2-methylphenol

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	10.000	0.1197	02	50.000	0.1634	03	80.000	0.1723	07	100.000	0.1737
08	120.000	0.1781	09	160.000	0.1788						

4-Bromophenyl Phenyl Ether

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	0.2361	04	5.000	0.2358	01	10.000	0.2731	02	50.000	0.2577
03	80.000	0.2524	07	100.000	0.2467	08	120.000	0.25	09	160.000	0.2504

4-Chloro-3-methylphenol

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	0.2758	04	5.000	0.2895	01	10.000	0.3358	02	50.000	0.3284
03	80.000	0.3318	07	100.000	0.3377	08	120.000	0.3346	09	160.000	0.3643

4-Chloroaniline

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	0.4744	04	5.000	0.464	01	10.000	0.4833	02	50.000	0.4711
03	80.000	0.4835	07	100.000	0.478	08	120.000	0.4928	09	160.000	0.5095

4-Chlorophenyl Phenyl Ether

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	0.6695	04	5.000	0.7421	01	10.000	0.7287	02	50.000	0.7243
03	80.000	0.7072	07	100.000	0.6719	08	120.000	0.6973	09	160.000	0.7224

Client: Day Environmental, Inc. **Service Request:** R1903959
Project: 32 York St **Calibration Date:** 3/14/2019

Initial Calibration Summary
Semivolatile Organic Compounds by GC/MS

Calibration ID: RC1900040 **Signal ID:** 1
Instrument ID: R-MS-54

Analyte

4-Nitroaniline

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	5.000	0.3725	01	10.000	0.3776	02	50.000	0.4172	03	80.000	0.4108
07	100.000	0.3982	08	120.000	0.4103	09	160.000	0.4289			

4-Nitrophenol

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	10.000	0.2007	02	50.000	0.2665	03	80.000	0.2654	07	100.000	0.2716
08	120.000	0.2332	09	160.000	0.2394						

Acenaphthene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	1.366	04	5.000	1.517	01	10.000	1.475	02	50.000	1.495
03	80.000	1.525	07	100.000	1.497	08	120.000	1.482	09	160.000	1.529

Acenaphthylene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	1.964	04	5.000	2.052	01	10.000	2.133	02	50.000	2.171
03	80.000	2.188	07	100.000	2.127	08	120.000	2.162	09	160.000	2.207

Acetophenone

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	1.893	04	5.000	1.959	01	10.000	2.028	02	50.000	1.987
03	80.000	2.056	07	100.000	1.981	08	120.000	2.051	09	160.000	2.225

Anthracene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	1.147	04	5.000	1.267	01	10.000	1.331	02	50.000	1.307
03	80.000	1.298	07	100.000	1.285	08	120.000	1.269	09	160.000	1.282

Atrazine

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	0.07507	04	5.000	0.101	01	10.000	0.1126	02	50.000	0.09149
03	80.000	0.08347	07	100.000	0.07273						

Benz(a)anthracene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	1.21	04	5.000	1.269	01	10.000	1.316	02	50.000	1.367
03	80.000	1.374	07	100.000	1.338	08	120.000	1.367	09	160.000	1.408

Benzaldehyde

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	5.000	0.8178	04	10.000	0.8821	01	20.000	0.9152	02	50.000	0.8523
03	80.000	0.8652	07	100.000	0.7891	08	120.000	0.7733			

Benzo(a)pyrene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	0.8609	04	5.000	1.082	01	10.000	1.138	02	50.000	1.206
03	80.000	1.226	07	100.000	1.229	08	120.000	1.235	09	160.000	1.26

Client: Day Environmental, Inc. **Service Request:** R1903959
Project: 32 York St **Calibration Date:** 3/14/2019

Initial Calibration Summary
Semivolatile Organic Compounds by GC/MS

Calibration ID: RC1900040 **Signal ID:** 1
Instrument ID: R-MS-54

Analyte

Benzo(b)fluoranthene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	1.167	04	5.000	1.327	01	10.000	1.387	02	50.000	1.406
03	80.000	1.442	07	100.000	1.43	08	120.000	1.437	09	160.000	1.489

Benzo(g,h,i)perylene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	0.8987	04	5.000	1.067	01	10.000	1.06	02	50.000	1.101
03	80.000	1.058	07	100.000	1.047	08	120.000	1.045	09	160.000	1.033

Benzo(k)fluoranthene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	1.081	04	5.000	1.318	01	10.000	1.279	02	50.000	1.341
03	80.000	1.323	07	100.000	1.329	08	120.000	1.328	09	160.000	1.346

Biphenyl

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	1.875	04	5.000	1.808	01	10.000	1.778	02	50.000	1.771
03	80.000	1.814	07	100.000	1.75	08	120.000	1.79	09	160.000	1.811

Bis(2-chloroethoxy)methane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	0.392	04	5.000	0.4349	01	10.000	0.4388	02	50.000	0.4051
03	80.000	0.4181	07	100.000	0.4222	08	120.000	0.4268	09	160.000	0.4469

Bis(2-chloroethyl) Ether

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	1.006	04	5.000	1.184	01	10.000	1.253	02	50.000	1.222
03	80.000	1.23	07	100.000	1.203	08	120.000	1.27	09	160.000	1.339

Bis(2-ethylhexyl) Phthalate

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	5.000	0.8699	01	10.000	0.9555	02	50.000	1.043	03	80.000	1.056
07	100.000	1.032	08	120.000	1.067	09	160.000	1.098			

Butyl Benzyl Phthalate

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	0.5558	04	5.000	0.6528	01	10.000	0.73	02	50.000	0.7264
03	80.000	0.741	07	100.000	0.7172	08	120.000	0.7465	09	160.000	0.7671

Caprolactam

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	0.09433	04	5.000	0.09389	01	10.000	0.1246	02	50.000	0.1129
03	80.000	0.1112	07	100.000	0.1131	08	120.000	0.1168	09	160.000	0.1281

Carbazole

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	1.051	04	5.000	1.128	01	10.000	1.281	02	50.000	1.266
03	80.000	1.258	07	100.000	1.24	08	120.000	1.211	09	160.000	1.219

Client: Day Environmental, Inc. **Service Request:** R1903959
Project: 32 York St **Calibration Date:** 3/14/2019

Initial Calibration Summary
Semivolatile Organic Compounds by GC/MS

Calibration ID: RC1900040 **Signal ID:** 1
Instrument ID: R-MS-54

Analyte

Chrysene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	1.125	04	5.000	1.365	01	10.000	1.277	02	50.000	1.267
03	80.000	1.281	07	100.000	1.236	08	120.000	1.278	09	160.000	1.286

Di-n-butyl Phthalate

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	5.000	1.435	01	10.000	1.702	02	50.000	1.753	03	80.000	1.743
07	100.000	1.712	08	120.000	1.672	09	160.000	1.702			

Di-n-octyl Phthalate

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	5.000	1.253	01	10.000	1.4	02	50.000	1.672	03	80.000	1.716
07	100.000	1.72	08	120.000	1.754	09	160.000	1.778			

Dibenz(a,h)anthracene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	1.022	04	5.000	1.242	01	10.000	1.222	02	50.000	1.331
03	80.000	1.315	07	100.000	1.318	08	120.000	1.302	09	160.000	1.313

Dibenzofuran

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	1.702	04	5.000	2.079	01	10.000	1.962	02	50.000	2.01
03	80.000	2.001	07	100.000	1.927	08	120.000	1.913	09	160.000	1.92

Diethyl Phthalate

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	1.56	04	5.000	1.734	01	10.000	1.686	02	50.000	1.652
03	80.000	1.691	07	100.000	1.659	08	120.000	1.699	09	160.000	1.767

Dimethyl Phthalate

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	1.486	04	5.000	1.688	01	10.000	1.622	02	50.000	1.588
03	80.000	1.582	07	100.000	1.563	08	120.000	1.584	09	160.000	1.67

Fluoranthene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	1.164	04	5.000	1.316	01	10.000	1.483	02	50.000	1.531
03	80.000	1.498	07	100.000	1.476	08	120.000	1.456	09	160.000	1.462

Fluorene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	1.38	04	5.000	1.593	01	10.000	1.678	02	50.000	1.623
03	80.000	1.577	07	100.000	1.546	08	120.000	1.548	09	160.000	1.625

Hexachlorobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	0.3261	04	5.000	0.3272	01	10.000	0.3439	02	50.000	0.3164
03	80.000	0.3043	07	100.000	0.309	08	120.000	0.3038	09	160.000	0.3158

Client: Day Environmental, Inc. **Service Request:** R1903959
Project: 32 York St **Calibration Date:** 3/14/2019

Initial Calibration Summary
Semivolatile Organic Compounds by GC/MS

Calibration ID: RC1900040 **Signal ID:** 1
Instrument ID: R-MS-54

Analyte

Hexachlorobutadiene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	0.2144	04	5.000	0.2381	01	10.000	0.2383	02	50.000	0.2308
03	80.000	0.2301	07	100.000	0.2316	08	120.000	0.242	09	160.000	0.2537

Hexachlorocyclopentadiene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	0.1759	04	5.000	0.2917	01	10.000	0.3254	02	50.000	0.4033
03	80.000	0.429	07	100.000	0.4162	08	120.000	0.4362	09	160.000	0.4624

Hexachloroethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	0.5851	04	5.000	0.6564	01	10.000	0.7156	02	50.000	0.69
03	80.000	0.7094	07	100.000	0.6821	08	120.000	0.7272	09	160.000	0.7664

Indeno(1,2,3-cd)pyrene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	1.042	04	5.000	1.134	01	10.000	1.135	02	50.000	1.231
03	80.000	1.236	07	100.000	1.224	08	120.000	1.21	09	160.000	1.236

Isophorone

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	0.5935	04	5.000	0.699	01	10.000	0.7339	02	50.000	0.7258
03	80.000	0.7141	07	100.000	0.7221	08	120.000	0.7313	09	160.000	0.7585

N-Nitrosodi-n-propylamine

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	0.9997	04	5.000	0.9511	01	10.000	1.049	02	50.000	1.084
03	80.000	1.068	07	100.000	1.04	08	120.000	1.116	09	160.000	1.166

N-Nitrosodiphenylamine

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	5.000	0.6287	04	10.000	0.6671	01	20.000	0.7204	02	100.000	0.6818
03	160.000	0.6771	07	200.000	0.6714	08	240.000	0.6592	09	320.000	0.6806

Naphthalene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	1.093	04	5.000	1.194	01	10.000	1.21	02	50.000	1.182
03	80.000	1.183	07	100.000	1.183	08	120.000	1.205	09	160.000	1.249

Nitrobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	0.3725	04	5.000	0.4219	01	10.000	0.4177	02	50.000	0.4108
03	80.000	0.4251	07	100.000	0.4144	08	120.000	0.4303	09	160.000	0.4634

Nitrobenzene-d5

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	0.4056	04	5.000	0.3955	01	10.000	0.4176	02	50.000	0.401
03	80.000	0.414	07	100.000	0.4094	08	120.000	0.4148	09	160.000	0.4389

Client: Day Environmental, Inc. **Service Request:** R1903959
Project: 32 York St **Calibration Date:** 3/14/2019

Initial Calibration Summary
Semivolatile Organic Compounds by GC/MS

Calibration ID: RC1900040 **Signal ID:** 1
Instrument ID: R-MS-54

Analyte

Pentachlorophenol (PCP)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	10.000	0.1234	02	50.000	0.175	03	80.000	0.1825	07	100.000	0.1834
08	120.000	0.1874	09	160.000	0.1926						

Phenanthrene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	1.231	04	5.000	1.354	01	10.000	1.312	02	50.000	1.307
03	80.000	1.305	07	100.000	1.294	08	120.000	1.278	09	160.000	1.292

Phenol

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	5.000	1.754	01	10.000	1.705	02	50.000	1.767	03	80.000	1.862
07	100.000	1.818	08	120.000	2.009	09	160.000	2.14			

Phenol-d6

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	1.513	04	5.000	1.708	01	10.000	1.645	02	50.000	1.792
03	80.000	1.774	07	100.000	1.791	08	120.000	1.81	09	160.000	1.936

Pyrene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	1.248	04	5.000	1.364	01	10.000	1.412	02	50.000	1.459
03	80.000	1.481	07	100.000	1.407	08	120.000	1.436	09	160.000	1.427

Terphenyl-d14

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	0.9461	04	5.000	0.9786	01	10.000	1.025	02	50.000	1.036
03	80.000	1.019	07	100.000	0.983	08	120.000	1.008	09	160.000	1.017

Client: Day Environmental, Inc. **Service Request:** R1903959
Project: 32 York St **Calibration Date:** 3/14/2019

Initial Calibration Summary
Semivolatile Organic Compounds by GC/MS

Calibration ID: RC1900040 **Signal ID:** 1
Instrument ID: R-MS-54

		Calibration Evaluation				Calibration Evaluation	
Analyte Name	Compound Type	Fit Type	Eval	Eval Result	Control Criteria	Average RRF	Minimum RRF
1,2,4,5-Tetrachlorobenzene	TRG	Average RF	% RSD	3.5	≤20	0.7077	0.010
2,2'-Oxybis(1-chloropropane)	TRG	Average RF	% RSD	4.4	≤20	1.258	0.010
2,3,4,6-Tetrachlorophenol	TRG	Average RF	% RSD	9.3	≤20	0.3887	0.010
2,4,5-Trichlorophenol	TRG	Average RF	% RSD	4.5	≤20	0.4626	0.200
2,4,6-Tribromophenol	SURR	Average RF	% RSD	9.1	≤20	0.2899	
2,4,6-Trichlorophenol	TRG	Average RF	% RSD	10.3	≤20	0.4221	0.200
2,4-Dichlorophenol	TRG	Average RF	% RSD	10.5	≤20	0.3382	0.200
2,4-Dimethylphenol	TRG	Average RF	% RSD	8.3	≤20	0.4023	0.200
2,4-Dinitrophenol	TRG	Quadratic	COD	0.9993	≥0.99	0.1744	0.010
2,4-Dinitrotoluene	TRG	Average RF	% RSD	7.1	≤20	0.4856	0.200
2,6-Dinitrotoluene	TRG	Average RF	% RSD	8.7	≤20	0.3438	0.200
2-Chloronaphthalene	TRG	Average RF	% RSD	5.4	≤20	1.32	0.800
2-Chlorophenol	TRG	Average RF	% RSD	5.6	≤20	1.533	0.800
2-Fluorobiphenyl	SURR	Average RF	% RSD	4.9	≤20	1.568	
2-Fluorophenol	SURR	Average RF	% RSD	7.6	≤20	1.407	
2-Methylnaphthalene	TRG	Average RF	% RSD	3.1	≤20	0.8106	0.400
2-Methylphenol	TRG	Average RF	% RSD	7.8	≤20	1.33	0.700
2-Nitroaniline	TRG	Average RF	% RSD	7.5	≤20	0.3511	0.010
2-Nitrophenol	TRG	Average RF	% RSD	8.7	≤20	0.2212	0.100
3,3'-Dichlorobenzidine	TRG	Average RF	% RSD	9.7	≤20	0.5343	0.010
3- and 4-Methylphenol Coelution	TRG	Average RF	% RSD	8.6	≤20	1.54	0.600
3-Nitroaniline	TRG	Average RF	% RSD	9.0	≤20	0.3786	0.010
4,6-Dinitro-2-methylphenol	TRG	Average RF	% RSD	13.7	≤20	0.1643	0.010
4-Bromophenyl Phenyl Ether	TRG	Average RF	% RSD	4.8	≤20	0.2503	0.100
4-Chloro-3-methylphenol	TRG	Average RF	% RSD	8.8	≤20	0.3247	0.200
4-Chloroaniline	TRG	Average RF	% RSD	2.9	≤20	0.4821	0.010
4-Chlorophenyl Phenyl Ether	TRG	Average RF	% RSD	3.8	≤20	0.7079	0.400
4-Nitroaniline	TRG	Average RF	% RSD	5.2	≤20	0.4022	0.010
4-Nitrophenol	TRG	Average RF	% RSD	11.1	≤20	0.2461	0.010
Acenaphthene	TRG	Average RF	% RSD	3.5	≤20	1.486	0.900
Acenaphthylene	TRG	Average RF	% RSD	3.8	≤20	2.125	0.900
Acetophenone	TRG	Average RF	% RSD	4.8	≤20	2.022	0.010
Anthracene	TRG	Average RF	% RSD	4.3	≤20	1.273	0.700
Atrazine	TRG	Average RF	% RSD	17.3	≤20	0.08938	0.010

Client: Day Environmental, Inc. **Service Request:** R1903959
Project: 32 York St **Calibration Date:** 3/14/2019

Initial Calibration Summary
Semivolatile Organic Compounds by GC/MS

Calibration ID: RC1900040 **Signal ID:** 1
Instrument ID: R-MS-54

		Calibration Evaluation				Calibration Evaluation	
Analyte Name	Compound Type	Fit Type	Eval	Eval Result	Control Criteria	Average RRF	Minimum RRF
Benz(a)anthracene	TRG	Average RF	% RSD	4.8	≤20	1.331	0.800
Benzaldehyde	TRG	Average RF	% RSD	6.1	≤20	0.8422	0.010
Benzo(a)pyrene	TRG	Average RF	% RSD	11.5	≤20	1.154	0.700
Benzo(b)fluoranthene	TRG	Average RF	% RSD	7.2	≤20	1.385	0.700
Benzo(g,h,i)perylene	TRG	Average RF	% RSD	5.8	≤20	1.039	0.500
Benzo(k)fluoranthene	TRG	Average RF	% RSD	6.8	≤20	1.293	0.700
Biphenyl	TRG	Average RF	% RSD	2.1	≤20	1.8	0.010
Bis(2-chloroethoxy)methane	TRG	Average RF	% RSD	4.3	≤20	0.4231	0.300
Bis(2-chloroethyl) Ether	TRG	Average RF	% RSD	7.9	≤20	1.213	0.700
Bis(2-ethylhexyl) Phthalate	TRG	Average RF	% RSD	7.7	≤20	1.017	0.010
Butyl Benzyl Phthalate	TRG	Average RF	% RSD	9.8	≤20	0.7046	0.010
Caprolactam	TRG	Average RF	% RSD	11.1	≤20	0.1119	0.010
Carbazole	TRG	Average RF	% RSD	6.5	≤20	1.207	0.010
Chrysene	TRG	Average RF	% RSD	5.3	≤20	1.264	0.700
Di-n-butyl Phthalate	TRG	Average RF	% RSD	6.5	≤20	1.674	0.010
Di-n-octyl Phthalate	TRG	Average RF	% RSD	12.6	≤20	1.613	0.010
Dibenz(a,h)anthracene	TRG	Average RF	% RSD	8.2	≤20	1.258	0.400
Dibenzofuran	TRG	Average RF	% RSD	5.7	≤20	1.939	0.800
Diethyl Phthalate	TRG	Average RF	% RSD	3.7	≤20	1.681	0.010
Dimethyl Phthalate	TRG	Average RF	% RSD	4.0	≤20	1.598	0.010
Fluoranthene	TRG	Average RF	% RSD	8.6	≤20	1.423	0.600
Fluorene	TRG	Average RF	% RSD	5.7	≤20	1.571	0.900
Hexachlorobenzene	TRG	Average RF	% RSD	4.3	≤20	0.3183	0.100
Hexachlorobutadiene	TRG	Average RF	% RSD	4.8	≤20	0.2349	0.010
Hexachlorocyclopentadiene	TRG	Quadratic	COD	0.9994	≥0.99	0.3675	0.050
Hexachloroethane	TRG	Average RF	% RSD	7.8	≤20	0.6915	0.300
Indeno(1,2,3-cd)pyrene	TRG	Average RF	% RSD	6.0	≤20	1.181	0.500
Isophorone	TRG	Average RF	% RSD	7.0	≤20	0.7098	0.400
N-Nitrosodi-n-propylamine	TRG	Average RF	% RSD	6.3	≤20	1.059	0.500
N-Nitrosodiphenylamine	TRG	Average RF	% RSD	3.8	≤20	0.6733	0.010
Naphthalene	TRG	Average RF	% RSD	3.7	≤20	1.187	0.700
Nitrobenzene	TRG	Average RF	% RSD	6.0	≤20	0.4195	0.200
Nitrobenzene-d5	SURR	Average RF	% RSD	3.2	≤20	0.4121	
Pentachlorophenol (PCP)	TRG	Average RF	% RSD	14.6	≤20	0.1741	0.050
Phenanthrene	TRG	Average RF	% RSD	2.7	≤20	1.297	0.700

Client: Day Environmental, Inc. **Service Request:** R1903959
Project: 32 York St **Calibration Date:** 3/14/2019

Initial Calibration Summary
Semivolatile Organic Compounds by GC/MS

Calibration ID: RC1900040 **Signal ID:** 1
Instrument ID: R-MS-54

Analyte Name	Compound Type	Calibration Evaluation				Calibration Evaluation	
		Fit Type	Eval	Eval Result	Control Criteria	Average RRF	Minimum RRF
Phenol	TRG	Average RF	% RSD	8.4	≤20	1.865	0.800
Phenol-d6	SURR	Average RF	% RSD	7.2	≤20	1.746	
Pyrene	TRG	Average RF	% RSD	5.1	≤20	1.404	0.600
Terphenyl-d14	SURR	Average RF	% RSD	3.0	≤20	1.002	

Client: Day Environmental, Inc. **Service Request:** R1903959
Project: 32 York St **Calibration Date:** 4/30/2019

Initial Calibration Summary
Semivolatile Organic Compounds by GC/MS

Calibration ID: RC1900050 **Signal ID:** 1
Instrument ID: R-MS-51

#	Lab Code	Sample Name	File Location	Acquisition Date
01	RC1900050-01	1 ppm STD	I:\ACQUDATA\5973A\DATA\043019\DR839.D	04/30/2019 09:40
02	RC1900050-02	2.5 ppm STD	I:\ACQUDATA\5973A\DATA\043019\DR840.D	04/30/2019 10:09
03	RC1900050-03	5.0 ppm STD	I:\ACQUDATA\5973A\DATA\043019\DR841.D	04/30/2019 10:38
04	RC1900050-04	10 ppm STD	I:\ACQUDATA\5973A\DATA\043019\DR842.D	04/30/2019 11:08
05	RC1900050-05	50 ppm STD	I:\ACQUDATA\5973A\DATA\043019\DR843.D	04/30/2019 12:00
06	RC1900050-06	80 ppm STD	I:\ACQUDATA\5973A\DATA\043019\DR844.D	04/30/2019 12:34
07	RC1900050-07	100 ppm STD	I:\ACQUDATA\5973A\DATA\043019\DR845.D	04/30/2019 13:03
08	RC1900050-08	120 ppm STD	I:\ACQUDATA\5973A\DATA\043019\DR846.D	04/30/2019 13:33
09	RC1900050-09	160 ppm STD	I:\ACQUDATA\5973A\DATA\043019\DR847.D	04/30/2019 14:03

Analyte

1,2,4,5-Tetrachlorobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.5289	02	2.500	0.5934	03	5.000	0.6187	04	10.000	0.5933
05	50.000	0.6157	06	80.000	0.5808	07	100.000	0.5798	08	120.000	0.5926
09	160.000	0.5952									

2,2'-Oxybis(1-chloropropane)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.253	02	2.500	1.357	03	5.000	1.437	04	10.000	1.327
05	50.000	1.356	06	80.000	1.295	07	100.000	1.26	08	120.000	1.216
09	160.000	1.198									

2,3,4,6-Tetrachlorophenol

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
02	2.500	0.2342	03	5.000	0.215	04	10.000	0.2599	05	50.000	0.2883
06	80.000	0.2838	07	100.000	0.2809	08	120.000	0.2866	09	160.000	0.3039

2,4,5-Trichlorophenol

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.3726	02	2.500	0.3953	03	5.000	0.3995	04	10.000	0.3978
05	50.000	0.4221	06	80.000	0.4104	07	100.000	0.4098	08	120.000	0.3978
09	160.000	0.4042									

2,4,6-Tribromophenol

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.1747	02	2.500	0.1654	03	5.000	0.1551	04	10.000	0.1612
05	50.000	0.172	06	80.000	0.1608	07	100.000	0.1599	08	120.000	0.1637
09	160.000	0.1614									

2,4,6-Trichlorophenol

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.318	02	2.500	0.3439	03	5.000	0.3526	04	10.000	0.3849
05	50.000	0.4128	06	80.000	0.3803	07	100.000	0.3863	08	120.000	0.3863
09	160.000	0.3908									

Client: Day Environmental, Inc. **Service Request:** R1903959
Project: 32 York St **Calibration Date:** 4/30/2019

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Calibration ID: RC1900050 **Signal ID:** 1
Instrument ID: R-MS-51

Analyte

2,4-Dichlorophenol

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.2815	02	2.500	0.3026	03	5.000	0.2853	04	10.000	0.293
05	50.000	0.3265	06	80.000	0.3161	07	100.000	0.3012	08	120.000	0.2882
09	160.000	0.3134									

2,4-Dimethylphenol

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.3704	02	2.500	0.3788	03	5.000	0.3783	04	10.000	0.3826
05	50.000	0.3967	06	80.000	0.393	07	100.000	0.3709	08	120.000	0.3612
09	160.000	0.3866									

2,4-Dinitrophenol

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
03	5.000	0.04432	04	10.000	0.05868	05	50.000	0.1221	06	80.000	0.133
07	100.000	0.1415	08	120.000	0.1506	09	160.000	0.1687			

2,4-Dinitrotoluene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.4438	02	2.500	0.4351	03	5.000	0.4267	04	10.000	0.442
05	50.000	0.4752	06	80.000	0.4482	07	100.000	0.4512	08	120.000	0.452
09	160.000	0.4666									

2,6-Dinitrotoluene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.3469	02	2.500	0.3416	03	5.000	0.3348	04	10.000	0.3623
05	50.000	0.3481	06	80.000	0.3238	07	100.000	0.3372	08	120.000	0.3242
09	160.000	0.3406									

2-Chloronaphthalene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.285	02	2.500	1.346	03	5.000	1.291	04	10.000	1.318
05	50.000	1.331	06	80.000	1.25	07	100.000	1.227	08	120.000	1.231
09	160.000	1.248									

2-Chlorophenol

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.606	02	2.500	1.459	03	5.000	1.463	04	10.000	1.529
05	50.000	1.648	06	80.000	1.56	07	100.000	1.535	08	120.000	1.491
09	160.000	1.529									

2-Fluorobiphenyl

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.479	02	2.500	1.572	03	5.000	1.593	04	10.000	1.548
05	50.000	1.601	06	80.000	1.487	07	100.000	1.466	08	120.000	1.458
09	160.000	1.486									

Client: Day Environmental, Inc. **Service Request:** R1903959
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2-Fluorophenol

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.443	02	2.500	1.427	03	5.000	1.463	04	10.000	1.514
05	50.000	1.504	06	80.000	1.479	07	100.000	1.452	08	120.000	1.397
09	160.000	1.415									

2-Methylnaphthalene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.6781	02	2.500	0.7805	03	5.000	0.741	04	10.000	0.7232
05	50.000	0.7164	06	80.000	0.7234	07	100.000	0.6859	08	120.000	0.6624
09	160.000	0.7104									

2-Methylphenol

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.46	02	2.500	1.444	03	5.000	1.364	04	10.000	1.378
05	50.000	1.437	06	80.000	1.349	07	100.000	1.318	08	120.000	1.307
09	160.000	1.343									

2-Nitroaniline

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.4105	02	2.500	0.3839	03	5.000	0.3695	04	10.000	0.3938
05	50.000	0.3809	06	80.000	0.3441	07	100.000	0.3363	08	120.000	0.3364
09	160.000	0.3395									

2-Nitrophenol

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.2106	02	2.500	0.2004	03	5.000	0.203	04	10.000	0.2116
05	50.000	0.223	06	80.000	0.219	07	100.000	0.2085	08	120.000	0.2051
09	160.000	0.2172									

3,3'-Dichlorobenzidine

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.5834	02	2.500	0.5314	03	5.000	0.5019	04	10.000	0.5176
05	50.000	0.5553	06	80.000	0.5389	07	100.000	0.5378	08	120.000	0.5117
09	160.000	0.5103									

3- and 4-Methylphenol Coelution

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.649	02	2.500	1.542	03	5.000	1.493	04	10.000	1.598
05	50.000	1.615	06	80.000	1.56	07	100.000	1.524	08	120.000	1.519
09	160.000	1.531									

3-Nitroaniline

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.3806	02	2.500	0.3893	03	5.000	0.3887	04	10.000	0.4043
05	50.000	0.4067	06	80.000	0.3863	07	100.000	0.3884	08	120.000	0.3784
09	160.000	0.3943									

Client: Day Environmental, Inc. **Service Request:** R1903959
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Analyte

4,6-Dinitro-2-methylphenol

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	10.000	0.1126	05	50.000	0.1667	06	80.000	0.1575	07	100.000	0.1609
08	120.000	0.1606	09	160.000	0.1668						

4-Bromophenyl Phenyl Ether

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.2288	02	2.500	0.2097	03	5.000	0.2243	04	10.000	0.2239
05	50.000	0.2132	06	80.000	0.2002	07	100.000	0.1969	08	120.000	0.1953
09	160.000	0.1899									

4-Chloro-3-methylphenol

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.2999	02	2.500	0.302	03	5.000	0.2976	04	10.000	0.3106
05	50.000	0.3059	06	80.000	0.31	07	100.000	0.2948	08	120.000	0.281
09	160.000	0.3025									

4-Chloroaniline

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.4618	02	2.500	0.4943	03	5.000	0.4612	04	10.000	0.4614
05	50.000	0.4631	06	80.000	0.4703	07	100.000	0.4495	08	120.000	0.4254
09	160.000	0.4648									

4-Chlorophenyl Phenyl Ether

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.5906	02	2.500	0.6206	03	5.000	0.6001	04	10.000	0.6135
05	50.000	0.601	06	80.000	0.5696	07	100.000	0.5558	08	120.000	0.5564
09	160.000	0.5533									

4-Nitroaniline

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.3429	02	2.500	0.3677	03	5.000	0.3677	04	10.000	0.4071
05	50.000	0.4114	06	80.000	0.4003	07	100.000	0.3916	08	120.000	0.38
09	160.000	0.4006									

4-Nitrophenol

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
03	5.000	0.2179	04	10.000	0.2296	05	50.000	0.2748	06	80.000	0.269
07	100.000	0.2552	08	120.000	0.268	09	160.000	0.2802			

Acenaphthene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.419	02	2.500	1.489	03	5.000	1.439	04	10.000	1.456
05	50.000	1.47	06	80.000	1.404	07	100.000	1.373	08	120.000	1.392
09	160.000	1.402									

Acenaphthylene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	2.12	02	2.500	2.121	03	5.000	2.052	04	10.000	2.075

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Acenaphthylene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
05	50.000	2.134	06	80.000	2.003	07	100.000	1.977	08	120.000	1.966
09	160.000	2.014									

Acetophenone

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	2.032	02	2.500	1.952	03	5.000	2.053	04	10.000	1.952
05	50.000	2.003	06	80.000	1.882	07	100.000	1.86	08	120.000	1.844
09	160.000	1.848									

Anthracene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.333	02	2.500	1.29	03	5.000	1.271	04	10.000	1.262
05	50.000	1.32	06	80.000	1.234	07	100.000	1.22	08	120.000	1.187
09	160.000	1.195									

Atrazine

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.111	02	2.500	0.1213	03	5.000	0.1144	04	10.000	0.1341
05	50.000	0.126	06	80.000	0.1122	07	100.000	0.1101	08	120.000	0.1023
09	160.000	0.09809									

Benz(a)anthracene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.48	02	2.500	1.418	03	5.000	1.337	04	10.000	1.369
05	50.000	1.393	06	80.000	1.361	07	100.000	1.32	08	120.000	1.282
09	160.000	1.264									

Benzaldehyde

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	2.000	1.031	02	5.000	1.079	03	10.000	1.042	04	20.000	1.04
05	50.000	1.096	06	80.000	0.9889	07	100.000	0.9742	08	120.000	0.934

Benzo(a)pyrene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.161	02	2.500	1.118	03	5.000	1.125	04	10.000	1.152
05	50.000	1.251	06	80.000	1.165	07	100.000	1.176	08	120.000	1.153
09	160.000	1.001									

Benzo(b)fluoranthene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.33	02	2.500	1.406	03	5.000	1.299	04	10.000	1.346
05	50.000	1.445	06	80.000	1.352	07	100.000	1.333	08	120.000	1.314
09	160.000	1.154									

Benzo(g,h,i)perylene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.031	02	2.500	1.056	03	5.000	0.9838	04	10.000	1.045

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Semivolatile Organic Compounds by GC/MS

Calibration ID: RC1900050 **Signal ID:** 1
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Benzo(g,h,i)perylene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
05	50.000	1.023	06	80.000	0.9649	07	100.000	0.9232	08	120.000	0.9074
09	160.000	0.7734									

Benzo(k)fluoranthene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.3	02	2.500	1.295	03	5.000	1.235	04	10.000	1.326
05	50.000	1.349	06	80.000	1.294	07	100.000	1.262	08	120.000	1.231
09	160.000	1.055									

Biphenyl

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.734	02	2.500	1.876	03	5.000	1.81	04	10.000	1.798
05	50.000	1.826	06	80.000	1.749	07	100.000	1.716	08	120.000	1.702
09	160.000	1.738									

Bis(2-chloroethoxy)methane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.3727	02	2.500	0.4035	03	5.000	0.4364	04	10.000	0.4028
05	50.000	0.4263	06	80.000	0.4058	07	100.000	0.3876	08	120.000	0.367
09	160.000	0.3938									

Bis(2-chloroethyl) Ether

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.557	02	2.500	1.38	03	5.000	1.309	04	10.000	1.381
05	50.000	1.39	06	80.000	1.325	07	100.000	1.289	08	120.000	1.249
09	160.000	1.295									

Bis(2-ethylhexyl) Phthalate

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.213	02	2.500	1.141	03	5.000	1.079	04	10.000	1.107
05	50.000	1.18	06	80.000	1.136	07	100.000	1.115	08	120.000	1.072
09	160.000	1.05									

Butyl Benzyl Phthalate

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.8032	02	2.500	0.8574	03	5.000	0.813	04	10.000	0.83
05	50.000	0.8672	06	80.000	0.8243	07	100.000	0.8091	08	120.000	0.7711
09	160.000	0.7583									

Caprolactam

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.1364	02	2.500	0.1213	03	5.000	0.1283	04	10.000	0.1219
05	50.000	0.1175	06	80.000	0.114	07	100.000	0.1125	08	120.000	0.1052
09	160.000	0.1163									

Client: Day Environmental, Inc. **Service Request:** R1903959
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Carbazole

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.247	02	2.500	1.213	03	5.000	1.227	04	10.000	1.285
05	50.000	1.338	06	80.000	1.242	07	100.000	1.204	08	120.000	1.169
09	160.000	1.185									

Chrysene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.339	02	2.500	1.318	03	5.000	1.237	04	10.000	1.259
05	50.000	1.29	06	80.000	1.255	07	100.000	1.216	08	120.000	1.18
09	160.000	1.151									

Di-n-butyl Phthalate

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.56	02	2.500	1.549	03	5.000	1.552	04	10.000	1.688
05	50.000	1.783	06	80.000	1.583	07	100.000	1.587	08	120.000	1.533
09	160.000	1.528									

Di-n-octyl Phthalate

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.951	02	2.500	1.907	03	5.000	1.778	04	10.000	1.968
05	50.000	2.049	06	80.000	1.915	07	100.000	1.956	08	120.000	1.892
09	160.000	1.669									

Dibenz(a,h)anthracene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.263	02	2.500	1.218	03	5.000	1.199	04	10.000	1.223
05	50.000	1.263	06	80.000	1.191	07	100.000	1.147	08	120.000	1.121
09	160.000	0.9604									

Dibenzofuran

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.786	02	2.500	1.795	03	5.000	1.81	04	10.000	1.807
05	50.000	1.843	06	80.000	1.744	07	100.000	1.71	08	120.000	1.695
09	160.000	1.67									

Diethyl Phthalate

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.534	02	2.500	1.587	03	5.000	1.529	04	10.000	1.486
05	50.000	1.494	06	80.000	1.434	07	100.000	1.435	08	120.000	1.406
09	160.000	1.441									

Dimethyl Phthalate

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.585	02	2.500	1.706	03	5.000	1.553	04	10.000	1.563
05	50.000	1.478	06	80.000	1.397	07	100.000	1.376	08	120.000	1.382
09	160.000	1.437									

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Fluoranthene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.227	02	2.500	1.276	03	5.000	1.193	04	10.000	1.377
05	50.000	1.404	06	80.000	1.312	07	100.000	1.303	08	120.000	1.274
09	160.000	1.291									

Fluorene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.511	02	2.500	1.545	03	5.000	1.51	04	10.000	1.525
05	50.000	1.482	06	80.000	1.377	07	100.000	1.373	08	120.000	1.34
09	160.000	1.375									

Hexachlorobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.2539	02	2.500	0.2613	03	5.000	0.2392	04	10.000	0.2554
05	50.000	0.2352	06	80.000	0.22	07	100.000	0.215	08	120.000	0.2188
09	160.000	0.218									

Hexachlorobutadiene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.1514	02	2.500	0.171	03	5.000	0.1631	04	10.000	0.1734
05	50.000	0.1623	06	80.000	0.16	07	100.000	0.1521	08	120.000	0.1507
09	160.000	0.1627									

Hexachlorocyclopentadiene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
02	2.500	0.1136	03	5.000	0.1468	04	10.000	0.194	05	50.000	0.2791
06	80.000	0.2857	07	100.000	0.2936	08	120.000	0.2991	09	160.000	0.3061

Hexachloroethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.7048	02	2.500	0.5747	03	5.000	0.6452	04	10.000	0.6405
05	50.000	0.654	06	80.000	0.6191	07	100.000	0.6152	08	120.000	0.6045
09	160.000	0.6072									

Indeno(1,2,3-cd)pyrene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.268	02	2.500	1.084	03	5.000	1.13	04	10.000	1.187
05	50.000	1.192	06	80.000	1.115	07	100.000	1.116	08	120.000	1.068
09	160.000	0.9437									

Isophorone

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.665	02	2.500	0.6942	03	5.000	0.7157	04	10.000	0.7049
05	50.000	0.7047	06	80.000	0.6821	07	100.000	0.6506	08	120.000	0.6268
09	160.000	0.6718									

Client: Day Environmental, Inc. **Service Request:** R1903959
Project: 32 York St **Calibration Date:** 4/30/2019

Initial Calibration Summary
Semivolatile Organic Compounds by GC/MS

Calibration ID: RC1900050 **Signal ID:** 1
Instrument ID: R-MS-51

Analyte

N-Nitrosodi-n-propylamine

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.107	02	2.500	1.13	03	5.000	1.018	04	10.000	1.081
05	50.000	1.095	06	80.000	0.9965	07	100.000	1.019	08	120.000	0.9686
09	160.000	0.984									

N-Nitrosodiphenylamine

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	2.000	0.697	02	5.000	0.7372	03	10.000	0.7476	04	20.000	0.7795
05	100.000	0.7293	06	160.000	0.6858	07	200.000	0.6767	08	240.000	0.6564
09	320.000	0.652									

Naphthalene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.135	02	2.500	1.179	03	5.000	1.148	04	10.000	1.125
05	50.000	1.11	06	80.000	1.101	07	100.000	1.052	08	120.000	1.007
09	160.000	1.063									

Nitrobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.4148	02	2.500	0.4549	03	5.000	0.4187	04	10.000	0.4227
05	50.000	0.4188	06	80.000	0.4018	07	100.000	0.379	08	120.000	0.367
09	160.000	0.3915									

Nitrobenzene-d5

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.4335	02	2.500	0.4454	03	5.000	0.4165	04	10.000	0.4138
05	50.000	0.4086	06	80.000	0.4029	07	100.000	0.3797	08	120.000	0.3625
09	160.000	0.3902									

Pentachlorophenol (PCP)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
03	5.000	0.03174	04	10.000	0.04305	05	50.000	0.085	06	80.000	0.08922
07	100.000	0.09108	08	120.000	0.09206	09	160.000	0.1045			

Phenanthrene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.365	02	2.500	1.339	03	5.000	1.262	04	10.000	1.28
05	50.000	1.315	06	80.000	1.233	07	100.000	1.226	08	120.000	1.18
09	160.000	1.185									

Phenol

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.851	02	2.500	1.937	03	5.000	1.944	04	10.000	1.991
05	50.000	2.091	06	80.000	1.989	07	100.000	1.943	08	120.000	1.909
09	160.000	1.939									

Client: Day Environmental, Inc. **Service Request:** R1903959
Project: 32 York St **Calibration Date:** 4/30/2019

Initial Calibration Summary
Semivolatile Organic Compounds by GC/MS

Calibration ID: RC1900050 **Signal ID:** 1
Instrument ID: R-MS-51

Analyte

Phenol-d6

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.6	02	2.500	1.787	03	5.000	1.767	04	10.000	1.795
05	50.000	1.955	06	80.000	1.837	07	100.000	1.811	08	120.000	1.769
09	160.000	1.765									

Pyrene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.402	02	2.500	1.402	03	5.000	1.419	04	10.000	1.463
05	50.000	1.571	06	80.000	1.534	07	100.000	1.52	08	120.000	1.471
09	160.000	1.437									

Terphenyl-d14

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.9164	02	2.500	0.9555	03	5.000	0.9282	04	10.000	0.9467
05	50.000	0.9983	06	80.000	0.9604	07	100.000	0.9567	08	120.000	0.9219
09	160.000	0.8965									

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Day Environmental, Inc. **Service Request:** R1903959
Project: 32 York St **Calibration Date:** 4/30/2019

Initial Calibration Summary
Semivolatile Organic Compounds by GC/MS

Calibration ID: RC1900050 **Signal ID:** 1
Instrument ID: R-MS-51

		Calibration Evaluation				Calibration Evaluation	
Analyte Name	Compound Type	Fit Type	Eval	Eval Result	Control Criteria	Average RRF	Minimum RRF
1,2,4,5-Tetrachlorobenzene	TRG	Average RF	% RSD	4.4	≤20	0.5887	0.010
2,2'-Oxybis(1-chloropropane)	TRG	Average RF	% RSD	5.9	≤20	1.3	0.010
2,3,4,6-Tetrachlorophenol	TRG	Average RF	% RSD	11.3	≤20	0.2691	0.010
2,4,5-Trichlorophenol	TRG	Average RF	% RSD	3.4	≤20	0.4011	0.200
2,4,6-Tribromophenol	SURR	Average RF	% RSD	3.8	≤20	0.1638	
2,4,6-Trichlorophenol	TRG	Average RF	% RSD	7.8	≤20	0.3729	0.200
2,4-Dichlorophenol	TRG	Average RF	% RSD	5.1	≤20	0.3009	0.200
2,4-Dimethylphenol	TRG	Average RF	% RSD	3.0	≤20	0.3798	0.200
2,4-Dinitrophenol	TRG	Quadratic	COD	0.9992	≥0.99	0.117	0.010
2,4-Dinitrotoluene	TRG	Average RF	% RSD	3.3	≤20	0.449	0.200
2,6-Dinitrotoluene	TRG	Average RF	% RSD	3.5	≤20	0.3399	0.200
2-Chloronaphthalene	TRG	Average RF	% RSD	3.5	≤20	1.281	0.800
2-Chlorophenol	TRG	Average RF	% RSD	4.1	≤20	1.536	0.800
2-Fluorobiphenyl	SURR	Average RF	% RSD	3.8	≤20	1.521	
2-Fluorophenol	SURR	Average RF	% RSD	2.7	≤20	1.455	
2-Methylnaphthalene	TRG	Average RF	% RSD	5.0	≤20	0.7135	0.400
2-Methylphenol	TRG	Average RF	% RSD	4.1	≤20	1.378	0.700
2-Nitroaniline	TRG	Average RF	% RSD	7.6	≤20	0.3661	0.010
2-Nitrophenol	TRG	Average RF	% RSD	3.6	≤20	0.2109	0.100
3,3'-Dichlorobenzidine	TRG	Average RF	% RSD	4.8	≤20	0.5321	0.010
3- and 4-Methylphenol Coelution	TRG	Average RF	% RSD	3.3	≤20	1.559	0.600
3-Nitroaniline	TRG	Average RF	% RSD	2.5	≤20	0.3908	0.010
4,6-Dinitro-2-methylphenol	TRG	Average RF	% RSD	13.4	≤20	0.1542	0.010
4-Bromophenyl Phenyl Ether	TRG	Average RF	% RSD	6.8	≤20	0.2092	0.100
4-Chloro-3-methylphenol	TRG	Average RF	% RSD	3.0	≤20	0.3005	0.200
4-Chloroaniline	TRG	Average RF	% RSD	3.9	≤20	0.4613	0.010
4-Chlorophenyl Phenyl Ether	TRG	Average RF	% RSD	4.5	≤20	0.5845	0.400
4-Nitroaniline	TRG	Average RF	% RSD	5.9	≤20	0.3855	0.010
4-Nitrophenol	TRG	Average RF	% RSD	9.3	≤20	0.2564	0.010
Acenaphthene	TRG	Average RF	% RSD	2.7	≤20	1.427	0.900
Acenaphthylene	TRG	Average RF	% RSD	3.2	≤20	2.051	0.900
Acetophenone	TRG	Average RF	% RSD	4.2	≤20	1.936	0.010
Anthracene	TRG	Average RF	% RSD	4.1	≤20	1.257	0.700
Atrazine	TRG	Average RF	% RSD	9.9	≤20	0.1144	0.010

Client: Day Environmental, Inc. **Service Request:** R1903959
Project: 32 York St **Calibration Date:** 4/30/2019

Initial Calibration Summary
Semivolatile Organic Compounds by GC/MS

Calibration ID: RC1900050 **Signal ID:** 1
Instrument ID: R-MS-51

Analyte Name	Compound Type	Calibration Evaluation				Calibration Evaluation	
		Fit Type	Eval	Eval Result	Control Criteria	Average RRF	Minimum RRF
Benz(a)anthracene	TRG	Average RF	% RSD	5.0	≤20	1.358	0.800
Benzaldehyde	TRG	Average RF	% RSD	5.3	≤20	1.023	0.010
Benzo(a)pyrene	TRG	Average RF	% RSD	5.8	≤20	1.145	0.700
Benzo(b)fluoranthene	TRG	Average RF	% RSD	6.0	≤20	1.331	0.700
Benzo(g,h,i)perylene	TRG	Average RF	% RSD	9.3	≤20	0.9676	0.500
Benzo(k)fluoranthene	TRG	Average RF	% RSD	6.9	≤20	1.261	0.700
Biphenyl	TRG	Average RF	% RSD	3.3	≤20	1.772	0.010
Bis(2-chloroethoxy)methane	TRG	Average RF	% RSD	5.7	≤20	0.3995	0.300
Bis(2-chloroethyl) Ether	TRG	Average RF	% RSD	6.7	≤20	1.353	0.700
Bis(2-ethylhexyl) Phthalate	TRG	Average RF	% RSD	4.7	≤20	1.121	0.010
Butyl Benzyl Phthalate	TRG	Average RF	% RSD	4.4	≤20	0.8149	0.010
Caprolactam	TRG	Average RF	% RSD	7.7	≤20	0.1193	0.010
Carbazole	TRG	Average RF	% RSD	4.2	≤20	1.235	0.010
Chrysene	TRG	Average RF	% RSD	4.9	≤20	1.25	0.700
Di-n-butyl Phthalate	TRG	Average RF	% RSD	5.3	≤20	1.596	0.010
Di-n-octyl Phthalate	TRG	Average RF	% RSD	5.9	≤20	1.898	0.010
Dibenz(a,h)anthracene	TRG	Average RF	% RSD	8.0	≤20	1.176	0.400
Dibenzofuran	TRG	Average RF	% RSD	3.4	≤20	1.762	0.800
Diethyl Phthalate	TRG	Average RF	% RSD	4.0	≤20	1.483	0.010
Dimethyl Phthalate	TRG	Average RF	% RSD	7.5	≤20	1.497	0.010
Fluoranthene	TRG	Average RF	% RSD	5.1	≤20	1.295	0.600
Fluorene	TRG	Average RF	% RSD	5.6	≤20	1.449	0.900
Hexachlorobenzene	TRG	Average RF	% RSD	7.7	≤20	0.2352	0.100
Hexachlorobutadiene	TRG	Average RF	% RSD	5.1	≤20	0.1607	0.010
Hexachlorocyclopentadiene	TRG	Quadratic	COD	0.9961	≥0.99	0.2398	0.050
Hexachloroethane	TRG	Average RF	% RSD	5.9	≤20	0.6295	0.300
Indeno(1,2,3-cd)pyrene	TRG	Average RF	% RSD	8.1	≤20	1.123	0.500
Isophorone	TRG	Average RF	% RSD	4.3	≤20	0.6795	0.400
N-Nitrosodi-n-propylamine	TRG	Average RF	% RSD	5.7	≤20	1.044	0.500
N-Nitrosodiphenylamine	TRG	Average RF	% RSD	6.2	≤20	0.7068	0.010
Naphthalene	TRG	Average RF	% RSD	4.8	≤20	1.102	0.700
Nitrobenzene	TRG	Average RF	% RSD	6.4	≤20	0.4077	0.200
Nitrobenzene-d5	SURR	Average RF	% RSD	6.4	≤20	0.4059	
Pentachlorophenol (PCP)	TRG	Quadratic	COD	0.9980	≥0.99	0.07666	0.050
Phenanthrene	TRG	Average RF	% RSD	5.2	≤20	1.265	0.700

Client: Day Environmental, Inc. **Service Request:** R1903959
Project: 32 York St **Calibration Date:** 4/30/2019

Initial Calibration Summary
Semivolatile Organic Compounds by GC/MS

Calibration ID: RC1900050 **Signal ID:** 1
Instrument ID: R-MS-51

Analyte Name	Compound Type	Calibration Evaluation				Calibration Evaluation	
		Fit Type	Eval	Eval Result	Control Criteria	Average RRF	Minimum RRF
Phenol	TRG	Average RF	% RSD	3.4	≤20	1.955	0.800
Phenol-d6	SURR	Average RF	% RSD	5.1	≤20	1.787	
Pyrene	TRG	Average RF	% RSD	4.1	≤20	1.469	0.600
Terphenyl-d14	SURR	Average RF	% RSD	3.2	≤20	0.9423	

Client: Day Environmental, Inc. **Service Request:** R1903959
Project: 32 York St **Calibration Date:** 3/14/2019

Initial Calibration Verification Summary
Semivolatile Organic Compounds by GC/MS

Calibration ID: RC1900040 **Signal ID:** 1
Instrument ID: R-MS-54

#	Lab Code	Sample Name	File Location	Acquisition Date
05	RC1900040-05	ICV	I:\ACQUDATA\5973D\Data\031419\BR287.D	03/14/2019 18:00

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
1,2,4,5-Tetrachlorobenzene	80.0	73.6	7.077E-1	6.51E-1	-8.008	±30	Average RF
2,3,4,6-Tetrachlorophenol	80.0	74.0	3.887E-1	3.593E-1	-7.558	±30	Average RF
2,4,5-Trichlorophenol	80.0	72.2	4.626E-1	4.177E-1	-9.712	±30	Average RF
2,4,6-Trichlorophenol	80.0	83.5	4.221E-1	4.406E-1	4.38	±30	Average RF
2,4-Dichlorophenol	80.0	79.6	3.382E-1	3.363E-1	-0.553	±30	Average RF
2,4-Dimethylphenol	80.0	77.9	4.023E-1	3.916E-1	-2.667	±30	Average RF
2,4-Dinitrophenol	80.0	79.9	1.744E-1	1.945E-1	-0.134	±30	Quadratic
2,4-Dinitrotoluene	80.0	74.8	4.856E-1	4.539E-1	-6.540	±30	Average RF
2,6-Dinitrotoluene	80.0	75.5	3.438E-1	3.244E-1	-5.644	±30	Average RF
2-Chloronaphthalene	80.0	76.0	1.32E0	1.254E0	-4.980	±30	Average RF
2-Chlorophenol	80.0	79.9	1.533E0	1.531E0	-0.127	±30	Average RF
2-Methylnaphthalene	80.0	70.5	8.106E-1	7.146E-1	-11.841	±30	Average RF
2-Methylphenol	80.0	78.9	1.33E0	1.312E0	-1.353	±30	Average RF
2-Nitroaniline	80.0	85.8	3.511E-1	3.767E-1	7.28	±30	Average RF
2-Nitrophenol	80.0	75.2	2.212E-1	2.08E-1	-5.938	±30	Average RF
3,3'-Dichlorobenzidine	80.0	81.7	5.343E-1	5.454E-1	2.07	±30	Average RF
3- and 4-Methylphenol Coelution	80.0	80.3	1.54E0	1.546E0	0.381	±30	Average RF
3-Nitroaniline	80.0	87.0	3.786E-1	4.119E-1	8.78	±30	Average RF
4,6-Dinitro-2-methylphenol	80.0	78.2	1.643E-1	1.606E-1	-2.264	±30	Average RF
4-Bromophenyl Phenyl Ether	80.0	79.8	2.503E-1	2.495E-1	-0.307	±30	Average RF
4-Chloro-3-methylphenol	80.0	77.7	3.247E-1	3.153E-1	-2.918	±30	Average RF
4-Chloroaniline	80.0	77.1	4.821E-1	4.646E-1	-3.619	±30	Average RF
4-Chlorophenyl Phenyl Ether	80.0	78.5	7.079E-1	6.945E-1	-1.899	±30	Average RF
4-Nitroaniline	80.0	83.7	4.022E-1	4.21E-1	4.67	±30	Average RF
4-Nitrophenol	80.0	76.3	2.461E-1	2.347E-1	-4.637	±30	Average RF
Acenaphthene	80.0	72.5	1.486E0	1.347E0	-9.328	±30	Average RF
Acenaphthylene	80.0	78.7	2.125E0	2.09E0	-1.674	±30	Average RF
Acetophenone	80.0	79.0	2.022E0	1.997E0	-1.231	±30	Average RF
Anthracene	80.0	74.4	1.273E0	1.184E0	-7.027	±30	Average RF
Atrazine	80.0	80.3	8.938E-2	8.971E-2	0.363	±30	Average RF
Benz(a)anthracene	80.0	76.1	1.331E0	1.266E0	-4.861	±30	Average RF
Benzaldehyde	80.0	77.7	8.422E-1	8.18E-1	-2.866	±30	Average RF
Benzo(a)pyrene	80.0	79.1	1.154E0	1.142E0	-1.098	±30	Average RF

Client: Day Environmental, Inc. **Service Request:** R1903959
Project: 32 York St **Calibration Date:** 3/14/2019

Initial Calibration Verification Summary
Semivolatile Organic Compounds by GC/MS

Calibration ID: RC1900040 **Signal ID:** 1
Instrument ID: R-MS-54

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
Benzo(b)fluoranthene	80.0	76.4	1.385E0	1.323E0	-4.498	±30	Average RF
Benzo(g,h,i)perylene	80.0	90.0	1.039E0	1.169E0	12.50	±30	Average RF
Benzo(k)fluoranthene	80.0	76.8	1.293E0	1.241E0	-4.042	±30	Average RF
Biphenyl	80.0	79.4	1.8E0	1.786E0	-0.774	±30	Average RF
2,2'-Oxybis(1-chloropropane)	80.0	100	1.258E0	1.573E0	25.08	±30	Average RF
Bis(2-chloroethoxy)methane	80.0	78.3	4.231E-1	4.142E-1	-2.110	±30	Average RF
Bis(2-chloroethyl) Ether	80.0	82.3	1.213E0	1.248E0	2.86	±30	Average RF
Bis(2-ethylhexyl) Phthalate	80.0	73.6	1.017E0	9.354E-1	-8.031	±30	Average RF
Butyl Benzyl Phthalate	80.0	77.0	7.046E-1	6.779E-1	-3.790	±30	Average RF
Caprolactam	80.0	80.9	1.119E-1	1.132E-1	1.15	±30	Average RF
Carbazole	80.0	79.9	1.207E0	1.205E0	-0.172	±30	Average RF
Chrysene	80.0	77.0	1.264E0	1.218E0	-3.688	±30	Average RF
Di-n-butyl Phthalate	80.0	73.7	1.674E0	1.543E0	-7.842	±30	Average RF
Di-n-octyl Phthalate	80.0	74.4	1.613E0	1.501E0	-6.973	±30	Average RF
Dibenz(a,h)anthracene	80.0	75.1	1.258E0	1.181E0	-6.155	±30	Average RF
Dibenzofuran	80.0	76.3	1.939E0	1.85E0	-4.615	±30	Average RF
Diethyl Phthalate	80.0	71.1	1.681E0	1.495E0	-11.080	±30	Average RF
Dimethyl Phthalate	80.0	71.4	1.598E0	1.426E0	-10.735	±30	Average RF
Fluoranthene	80.0	77.1	1.423E0	1.372E0	-3.624	±30	Average RF
Fluorene	80.0	73.5	1.571E0	1.443E0	-8.176	±30	Average RF
Hexachlorobenzene	80.0	74.0	3.183E-1	2.946E-1	-7.449	±30	Average RF
Hexachlorobutadiene	80.0	76.6	2.349E-1	2.249E-1	-4.252	±30	Average RF
Hexachlorocyclopentadiene	80.0	78.3	3.675E-1	4.071E-1	-2.158	±30	Quadratic
Hexachloroethane	80.0	79.1	6.915E-1	6.834E-1	-1.176	±30	Average RF
Indeno(1,2,3-cd)pyrene	80.0	77.2	1.181E0	1.139E0	-3.532	±30	Average RF
Isophorone	80.0	65.5	7.098E-1	5.815E-1	-18.073	±30	Average RF
N-Nitrosodi-n-propylamine	80.0	82.3	1.059E0	1.09E0	2.92	±30	Average RF
N-Nitrosodiphenylamine	160	157	6.733E-1	6.616E-1	-1.727	±30	Average RF
Naphthalene	80.0	77.4	1.187E0	1.149E0	-3.237	±30	Average RF
Nitrobenzene	80.0	73.5	4.195E-1	3.856E-1	-8.084	±30	Average RF
Pentachlorophenol (PCP)	80.0	85.8	1.741E-1	1.867E-1	7.26	±30	Average RF
Phenanthrene	80.0	73.3	1.297E0	1.187E0	-8.424	±30	Average RF
Phenol	80.0	77.7	1.865E0	1.812E0	-2.834	±30	Average RF
Pyrene	80.0	77.5	1.404E0	1.36E0	-3.138	±30	Average RF

Client: Day Environmental, Inc. **Service Request:** R1903959
Project: 32 York St **Calibration Date:** 3/14/2019

Initial Calibration Verification Summary
Semivolatile Organic Compounds by GC/MS

Calibration ID: RC1900040 **Signal ID:** 1
Instrument ID: R-MS-54

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
2,4,6-Tribromophenol	80.0	80.3	2.899E-1	2.91E-1	0.394	±30	Average RF
2-Fluorobiphenyl	80.0	77.7	1.568E0	1.522E0	-2.922	±30	Average RF
2-Fluorophenol	80.0	79.7	1.407E0	1.401E0	-0.430	±30	Average RF
Nitrobenzene-d5	80.0	75.9	4.121E-1	3.911E-1	-5.101	±30	Average RF
Phenol-d6	80.0	77.8	1.746E0	1.697E0	-2.795	±30	Average RF
Terphenyl-d14	80.0	77.9	1.002E0	9.748E-1	-2.684	±30	Average RF

Client: Day Environmental, Inc. **Service Request:** R1903959
Project: 32 York St **Calibration Date:** 4/30/2019

Initial Calibration Verification Summary
Semivolatile Organic Compounds by GC/MS

Calibration ID: RC1900050 **Signal ID:** 1
Instrument ID: R-MS-51

#	Lab Code	Sample Name	File Location	Acquisition Date
10	RC1900050-10	ICV	I:\ACQUDATA\5973A\DATA\043019\DR848.D	04/30/2019 14:39
11	RC1900050-11	ICV #2	I:\ACQUDATA\5973A\DATA\043019\DR849.D	04/30/2019 15:07

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
1,2,4,5-Tetrachlorobenzene	80.0	78.0	5.887E-1	5.739E-1	-2.508	±30	Average RF
2,3,4,6-Tetrachlorophenol	80.0	79.5	2.691E-1	2.675E-1	-0.593	±30	Average RF
2,4,5-Trichlorophenol	80.0	79.3	4.011E-1	3.974E-1	-0.902	±30	Average RF
2,4,6-Trichlorophenol	80.0	87.2	3.729E-1	4.063E-1	8.95	±30	Average RF
2,4-Dichlorophenol	80.0	84.6	3.009E-1	3.183E-1	5.79	±30	Average RF
2,4-Dimethylphenol	80.0	83.7	3.798E-1	3.976E-1	4.67	±30	Average RF
2,4-Dinitrophenol	80.0	83.1	1.17E-1	1.377E-1	3.90	±30	Quadratic
2,4-Dinitrotoluene	80.0	78.1	4.49E-1	4.381E-1	-2.416	±30	Average RF
2,6-Dinitrotoluene	80.0	77.2	3.399E-1	3.282E-1	-3.454	±30	Average RF
2-Chloronaphthalene	80.0	79.4	1.281E0	1.271E0	-0.742	±30	Average RF
2-Chlorophenol	80.0	82.7	1.536E0	1.587E0	3.36	±30	Average RF
2-Methylnaphthalene	80.0	79.9	7.135E-1	7.122E-1	-0.175	±30	Average RF
2-Methylphenol	80.0	78.0	1.378E0	1.344E0	-2.450	±30	Average RF
2-Nitroaniline	32.0	32.4	3.661E-1	3.712E-1	1.40	±30	Average RF
2-Nitrophenol	80.0	84.0	2.109E-1	2.215E-1	5.00	±30	Average RF
3,3'-Dichlorobenzidine	80.0	75.3	5.321E-1	5.009E-1	-5.852	±30	Average RF
3- and 4-Methylphenol Coelution	80.0	75.5	1.559E0	1.472E0	-5.582	±30	Average RF
3-Nitroaniline	32.0	33.9	3.908E-1	4.142E-1	5.98	±30	Average RF
4,6-Dinitro-2-methylphenol	80.0	86.2	1.542E-1	1.662E-1	7.80	±30	Average RF
4-Bromophenyl Phenyl Ether	80.0	83.1	2.092E-1	2.173E-1	3.88	±30	Average RF
4-Chloro-3-methylphenol	80.0	85.9	3.005E-1	3.225E-1	7.34	±30	Average RF
4-Chloroaniline	80.0	79.3	4.613E-1	4.573E-1	-0.868	±30	Average RF
4-Chlorophenyl Phenyl Ether	80.0	84.8	5.845E-1	6.197E-1	6.03	±30	Average RF
4-Nitroaniline	32.0	34.9	3.855E-1	4.199E-1	8.95	±30	Average RF
4-Nitrophenol	80.0	80.6	2.564E-1	2.583E-1	0.728	±30	Average RF
Acenaphthene	80.0	77.0	1.427E0	1.374E0	-3.696	±30	Average RF
Acenaphthylene	80.0	83.0	2.051E0	2.128E0	3.73	±30	Average RF
Acetophenone	32.0	31.3	1.936E0	1.892E0	-2.270	±30	Average RF
Anthracene	80.0	79.6	1.257E0	1.25E0	-0.549	±30	Average RF
Atrazine	80.0	85.9	1.144E-1	1.228E-1	7.33	±30	Average RF
Benz(a)anthracene	80.0	77.8	1.358E0	1.32E0	-2.782	±30	Average RF
Benzaldehyde	50.0	110	1.023E0	2.26E0	120.90*	±30	Average RF

Client: Day Environmental, Inc. **Service Request:** R1903959
Project: 32 York St **Calibration Date:** 4/30/2019

Initial Calibration Verification Summary
Semivolatile Organic Compounds by GC/MS

Calibration ID: RC1900050 **Signal ID:** 1
Instrument ID: R-MS-51

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
Benzo(a)pyrene	80.0	83.0	1.145E0	1.187E0	3.73	±30	Average RF
Benzo(b)fluoranthene	80.0	79.4	1.331E0	1.321E0	-0.775	±30	Average RF
Benzo(g,h,i)perylene	80.0	92.7	9.676E-1	1.122E0	15.93	±30	Average RF
Benzo(k)fluoranthene	80.0	81.4	1.261E0	1.282E0	1.70	±30	Average RF
Biphenyl	32.0	32.4	1.772E0	1.794E0	1.22	±30	Average RF
2,2'-Oxybis(1-chloropropane)	80.0	99.1	1.3E0	1.61E0	23.85	±30	Average RF
Bis(2-chloroethoxy)methane	80.0	86.3	3.995E-1	4.312E-1	7.92	±30	Average RF
Bis(2-chloroethyl) Ether	80.0	80.8	1.353E0	1.367E0	1.06	±30	Average RF
Bis(2-ethylhexyl) Phthalate	80.0	78.5	1.121E0	1.1E0	-1.923	±30	Average RF
Butyl Benzyl Phthalate	80.0	79.2	8.149E-1	8.072E-1	-0.939	±30	Average RF
Caprolactam	32.0	32.2	1.193E-1	1.201E-1	0.703	±30	Average RF
Carbazole	32.0	33.3	1.235E0	1.285E0	4.10	±30	Average RF
Chrysene	80.0	82.6	1.25E0	1.291E0	3.30	±30	Average RF
Di-n-butyl Phthalate	80.0	79.0	1.596E0	1.577E0	-1.190	±30	Average RF
Di-n-octyl Phthalate	80.0	76.5	1.898E0	1.816E0	-4.363	±30	Average RF
Dibenz(a,h)anthracene	80.0	79.3	1.176E0	1.167E0	-0.816	±30	Average RF
Dibenzofuran	80.0	80.6	1.762E0	1.774E0	0.688	±30	Average RF
Diethyl Phthalate	80.0	72.5	1.483E0	1.344E0	-9.403	±30	Average RF
Dimethyl Phthalate	80.0	72.7	1.497E0	1.361E0	-9.126	±30	Average RF
Fluoranthene	80.0	81.6	1.295E0	1.321E0	2.01	±30	Average RF
Fluorene	80.0	77.8	1.449E0	1.409E0	-2.776	±30	Average RF
Hexachlorobenzene	80.0	76.3	2.352E-1	2.245E-1	-4.570	±30	Average RF
Hexachlorobutadiene	80.0	80.5	1.607E-1	1.616E-1	0.569	±30	Average RF
Hexachlorocyclopentadiene	80.0	83.5	2.398E-1	2.903E-1	4.43	±30	Quadratic
Hexachloroethane	80.0	80.6	6.295E-1	6.34E-1	0.713	±30	Average RF
Indeno(1,2,3-cd)pyrene	80.0	80.5	1.123E0	1.13E0	0.648	±30	Average RF
Isophorone	80.0	72.0	6.795E-1	6.114E-1	-10.033	±30	Average RF
N-Nitrosodi-n-propylamine	32.0	33.1	1.044E0	1.08E0	3.43	±30	Average RF
N-Nitrosodiphenylamine	64.0	65.2	7.068E-1	7.196E-1	1.80	±30	Average RF
Naphthalene	80.0	84.1	1.102E0	1.159E0	5.09	±30	Average RF
Nitrobenzene	80.0	78.0	4.077E-1	3.975E-1	-2.510	±30	Average RF
Pentachlorophenol (PCP)	80.0	82.5	7.666E-2	8.985E-2	3.07	±30	Quadratic
Phenanthrene	80.0	78.8	1.265E0	1.247E0	-1.456	±30	Average RF
Phenol	80.0	77.0	1.955E0	1.883E0	-3.690	±30	Average RF
Pyrene	80.0	82.1	1.469E0	1.507E0	2.57	±30	Average RF

Client: Day Environmental, Inc. **Service Request:** R1903959
Project: 32 York St **Calibration Date:** 4/30/2019

Initial Calibration Verification Summary
Semivolatile Organic Compounds by GC/MS

Calibration ID: RC1900050 **Signal ID:** 1
Instrument ID: R-MS-51

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
2,4,6-Tribromophenol	80.0	77.2	1.638E-1	1.582E-1	-3.438	±30	Average RF
2-Fluorobiphenyl	80.0	76.6	1.521E0	1.456E0	-4.259	±30	Average RF
2-Fluorophenol	80.0	77.0	1.455E0	1.399E0	-3.810	±30	Average RF
Nitrobenzene-d5	80.0	76.0	4.059E-1	3.857E-1	-4.978	±30	Average RF
Phenol-d6	80.0	79.6	1.787E0	1.778E0	-0.501	±30	Average RF
Terphenyl-d14	80.0	79.5	9.423E-1	9.366E-1	-0.605	±30	Average RF

Client: Day Environmental, Inc. **Service Request:** R1903959
Project: 32 York St/5598S-19 **Date Analyzed:** 05/07/19 13:01

Continuing Calibration Verification (CCV) Summary
Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D **Calibration Date:** 3/14/2019
File ID: I:\ACQUDATA\5973D\Data\050719\BR663.D\ **Calibration ID:** RC1900040
Signal ID: 1 **Analysis Lot:** 634539
Units: ppm

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
1,2,4,5-Tetrachlorobenzene	80.0	76.0	0.7077	0.6726	-5.0	NA	±20	Average RF
2,3,4,6-Tetrachlorophenol	80.0	73.6	0.3887	0.3577	-8.0	NA	±20	Average RF
2,4,5-Trichlorophenol	80.0	71.3	0.4626	0.4121	-10.9	NA	±20	Average RF
2,4,6-Trichlorophenol	80.0	75.5	0.4221	0.3981	-5.7	NA	±20	Average RF
2,4-Dichlorophenol	80.0	78.3	0.3382	0.3309	-2.2	NA	±20	Average RF
2,4-Dimethylphenol	80.0	75.9	0.4023	0.3816	-5.2	NA	±20	Average RF
2,4-Dinitrophenol	80.0	60.2	0.1744	0.14	NA	-24.7*	±20	Quadratic
2,4-Dinitrotoluene	80.0	76.5	0.4856	0.4645	-4.3	NA	±20	Average RF
2,6-Dinitrotoluene	80.0	77.0	0.3438	0.3311	-3.7	NA	±20	Average RF
2-Chloronaphthalene	80.0	73.7	1.3196	1.216	-7.9	NA	±20	Average RF
2-Chlorophenol	80.0	75.7	1.5329	1.4505	-5.4	NA	±20	Average RF
2-Methylnaphthalene	80.0	72.1	0.8106	0.7303	-9.9	NA	±20	Average RF
2-Methylphenol	80.0	72.8	1.3302	1.2104	-9.0	NA	±20	Average RF
2-Nitroaniline	80.0	76.7	0.3511	0.3366	-4.1	NA	±20	Average RF
2-Nitrophenol	80.0	74.3	0.2212	0.2054	-7.1	NA	±20	Average RF
3,3'-Dichlorobenzidine	80.0	79.0	0.5343	0.5278	-1.2	NA	±20	Average RF
3- and 4-Methylphenol Coelution	80.0	73.0	1.5398	1.4057	-8.7	NA	±20	Average RF
3-Nitroaniline	80.0	77.3	0.3786	0.3658	-3.4	NA	±20	Average RF
4,6-Dinitro-2-methylphenol	80.0	66.2	0.1643	0.1359	-17.3	NA	±20	Average RF
4-Bromophenyl Phenyl Ether	80.0	76.1	0.2503	0.238	-4.9	NA	±20	Average RF
4-Chloro-3-methylphenol	80.0	77.9	0.3247	0.3161	-2.7	NA	±20	Average RF
4-Chloroaniline	80.0	77.8	0.4821	0.4689	-2.7	NA	±20	Average RF
4-Chlorophenyl Phenyl Ether	80.0	73.0	0.7079	0.6457	-8.8	NA	±20	Average RF
4-Nitroaniline	80.0	72.0	0.4022	0.3621	-10.0	NA	±20	Average RF
4-Nitrophenol	80.0	96.8	0.2461	0.2979	21.0*	NA	±20	Average RF
Acenaphthene	80.0	72.8	1.4857	1.3514	-9.0	NA	±20	Average RF
Acenaphthylene	80.0	73.2	2.1255	1.945	-8.5	NA	±20	Average RF
Acetophenone	80.0	74.1	2.0224	1.872	-7.4	NA	±20	Average RF
Anthracene	80.0	74.1	1.2731	1.1792	-7.4	NA	±20	Average RF
Atrazine	80.0	94.6	0.0894	0.1057	18.3	NA	±20	Average RF
Benz(a)anthracene	80.0	75.6	1.3311	1.2581	-5.5	NA	±20	Average RF
Benzaldehyde	80.0	64.4	0.8422	0.6781	-19.5	NA	±20	Average RF
Benzo(a)pyrene	80.0	78.7	1.1544	1.1353	-1.7	NA	±20	Average RF
Benzo(b)fluoranthene	80.0	75.8	1.3855	1.312	-5.3	NA	±20	Average RF
Benzo(g,h,i)perylene	80.0	75.0	1.0387	0.9739	-6.2	NA	±20	Average RF
Benzo(k)fluoranthene	80.0	76.2	1.2933	1.2325	-4.7	NA	±20	Average RF
Biphenyl	80.0	73.4	1.7997	1.6504	-8.3	NA	±20	Average RF
2,2'-Oxybis(1-chloropropane)	80.0	71.0	1.2578	1.1167	-11.2	NA	±20	Average RF
Bis(2-chloroethoxy)methane	80.0	71.6	0.4231	0.3786	-10.5	NA	±20	Average RF

Client: Day Environmental, Inc. **Service Request:** R1903959
Project: 32 York St/5598S-19 **Date Analyzed:** 05/07/19 13:01

Continuing Calibration Verification (CCV) Summary
Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D **Calibration Date:** 3/14/2019
File ID: I:\ACQUDATA\5973D\Data\050719\BR663.D\ **Calibration ID:** RC1900040
Signal ID: 1 **Analysis Lot:** 634539
Units: ppm

Bis(2-chloroethyl) Ether	80.0	71.3	1.2134	1.0814	-10.9	NA	±20	Average RF
Bis(2-ethylhexyl) Phthalate	80.0	76.5	1.0171	0.9731	-4.3	NA	±20	Average RF
Butyl Benzyl Phthalate	80.0	77.9	0.7046	0.6862	-2.6	NA	±20	Average RF
Caprolactam	80.0	70.4	0.1119	0.0985	-12.0	NA	±20	Average RF
Carbazole	80.0	75.0	1.2068	1.131	-6.3	NA	±20	Average RF
Chrysene	80.0	74.4	1.2643	1.1751	-7.1	NA	±20	Average RF
Di-n-butyl Phthalate	80.0	75.1	1.6743	1.5713	-6.2	NA	±20	Average RF
Di-n-octyl Phthalate	80.0	77.4	1.6133	1.5615	-3.2	NA	±20	Average RF
Dibenz(a,h)anthracene	80.0	75.7	1.2581	1.1904	-5.4	NA	±20	Average RF
Dibenzofuran	80.0	72.2	1.9392	1.7491	-9.8	NA	±20	Average RF
Diethyl Phthalate	80.0	74.7	1.6809	1.5703	-6.6	NA	±20	Average RF
Dimethyl Phthalate	80.0	73.2	1.5979	1.462	-8.5	NA	±20	Average RF
Fluoranthene	80.0	76.4	1.4232	1.3591	-4.5	NA	±20	Average RF
Fluorene	80.0	73.0	1.5713	1.4342	-8.7	NA	±20	Average RF
Hexachlorobenzene	80.0	73.8	0.3183	0.2936	-7.8	NA	±20	Average RF
Hexachlorobutadiene	80.0	82.5	0.2349	0.2422	3.1	NA	±20	Average RF
Hexachlorocyclopentadiene	80.0	63.5	0.3675	0.3231	NA	-20.7*	±20	Quadratic
Hexachloroethane	80.0	78.2	0.6915	0.6764	-2.2	NA	±20	Average RF
Indeno(1,2,3-cd)pyrene	80.0	76.9	1.1811	1.1353	-3.9	NA	±20	Average RF
Isophorone	80.0	75.4	0.7098	0.6688	-5.8	NA	±20	Average RF
N-Nitrosodi-n-propylamine	80.0	77.0	1.0591	1.0195	-3.7	NA	±20	Average RF
N-Nitrosodiphenylamine	160	147	0.6733	0.6188	-8.1	NA	±20	Average RF
Naphthalene	80.0	73.5	1.1874	1.0912	-8.1	NA	±20	Average RF
Nitrobenzene	80.0	74.6	0.4195	0.3913	-6.7	NA	±20	Average RF
Pentachlorophenol (PCP)	80.0	58.5	0.1741	0.1273	-26.8*	NA	±20	Average RF
Phenanthrene	80.0	71.5	1.2967	1.1585	-10.7	NA	±20	Average RF
Phenol	80.0	75.6	1.865	1.7622	-5.5	NA	±20	Average RF
Pyrene	80.0	78.0	1.4043	1.3686	-2.5	NA	±20	Average RF

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
2,4,6-Tribromophenol	80.0	77.2	0.2899	0.2799	-3.4	NA	±20	Average RF
2-Fluorobiphenyl	80.0	75.4	1.5679	1.4778	-5.7	NA	±20	Average RF
2-Fluorophenol	80.0	73.9	1.4072	1.3001	-7.6	NA	±20	Average RF
Nitrobenzene-d5	80.0	79.2	0.4121	0.408	-1.0	NA	±20	Average RF
Phenol-d6	80.0	72.9	1.7462	1.5916	-8.9	NA	±20	Average RF
Terphenyl-d14	80.0	74.1	1.0017	0.9283	-7.3	NA	±20	Average RF

Client: Day Environmental, Inc. **Service Request:** R1903959
Project: 32 York St/5598S-19 **Date Analyzed:** 05/08/19 08:09

Continuing Calibration Verification (CCV) Summary
Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D **Calibration Date:** 3/14/2019
File ID: I:\ACQUDATA\5973D\Data\050819\BR693.D\ **Calibration ID:** RC1900040
Signal ID: 1 **Analysis Lot:** 634837
Units: ppm

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
1,2,4,5-Tetrachlorobenzene	80.0	80.5	0.7077	0.7118	0.6	NA	±20	Average RF
2,3,4,6-Tetrachlorophenol	80.0	77.2	0.3887	0.375	-3.5	NA	±20	Average RF
2,4,5-Trichlorophenol	80.0	77.9	0.4626	0.4504	-2.6	NA	±20	Average RF
2,4,6-Trichlorophenol	80.0	83.5	0.4221	0.4407	4.4	NA	±20	Average RF
2,4-Dichlorophenol	80.0	83.1	0.3382	0.3514	3.9	NA	±20	Average RF
2,4-Dimethylphenol	80.0	81.9	0.4023	0.4118	2.3	NA	±20	Average RF
2,4-Dinitrophenol	80.0	65.4	0.1744	0.1539	NA	-18.3	±20	Quadratic
2,4-Dinitrotoluene	80.0	78.0	0.4856	0.4735	-2.5	NA	±20	Average RF
2,6-Dinitrotoluene	80.0	80.3	0.3438	0.3451	0.4	NA	±20	Average RF
2-Chloronaphthalene	80.0	76.7	1.3196	1.2654	-4.1	NA	±20	Average RF
2-Chlorophenol	80.0	78.0	1.5329	1.4952	-2.5	NA	±20	Average RF
2-Methylnaphthalene	80.0	75.8	0.8106	0.7678	-5.3	NA	±20	Average RF
2-Methylphenol	80.0	76.0	1.3302	1.2637	-5.0	NA	±20	Average RF
2-Nitroaniline	80.0	85.0	0.3511	0.3732	6.3	NA	±20	Average RF
2-Nitrophenol	80.0	82.2	0.2212	0.2271	2.7	NA	±20	Average RF
3,3'-Dichlorobenzidine	80.0	86.5	0.5343	0.5778	8.1	NA	±20	Average RF
3- and 4-Methylphenol Coelution	80.0	76.5	1.5398	1.4724	-4.4	NA	±20	Average RF
3-Nitroaniline	80.0	77.9	0.3786	0.3688	-2.6	NA	±20	Average RF
4,6-Dinitro-2-methylphenol	80.0	70.8	0.1643	0.1454	-11.5	NA	±20	Average RF
4-Bromophenyl Phenyl Ether	80.0	73.2	0.2503	0.2289	-8.5	NA	±20	Average RF
4-Chloro-3-methylphenol	80.0	84.8	0.3247	0.3443	6.0	NA	±20	Average RF
4-Chloroaniline	80.0	82.9	0.4821	0.4996	3.6	NA	±20	Average RF
4-Chlorophenyl Phenyl Ether	80.0	81.7	0.7079	0.723	2.1	NA	±20	Average RF
4-Nitroaniline	80.0	75.6	0.4022	0.3802	-5.5	NA	±20	Average RF
4-Nitrophenol	80.0	99.5	0.2461	0.3061	24.4*	NA	±20	Average RF
Acenaphthene	80.0	78.0	1.4857	1.4495	-2.4	NA	±20	Average RF
Acenaphthylene	80.0	78.1	2.1255	2.0755	-2.4	NA	±20	Average RF
Acetophenone	80.0	77.9	2.0224	1.9684	-2.7	NA	±20	Average RF
Anthracene	80.0	73.9	1.2731	1.1765	-7.6	NA	±20	Average RF
Atrazine	80.0	90.0	0.0894	0.1005	12.4	NA	±20	Average RF
Benz(a)anthracene	80.0	78.6	1.3311	1.3071	-1.8	NA	±20	Average RF
Benzaldehyde	80.0	95.4	0.8422	1.0043	19.3	NA	±20	Average RF
Benzo(a)pyrene	80.0	79.6	1.1544	1.1493	-0.4	NA	±20	Average RF
Benzo(b)fluoranthene	80.0	77.0	1.3855	1.3328	-3.8	NA	±20	Average RF
Benzo(g,h,i)perylene	80.0	80.0	1.0387	1.0382	-0.1	NA	±20	Average RF
Benzo(k)fluoranthene	80.0	78.0	1.2933	1.2604	-2.5	NA	±20	Average RF
Biphenyl	80.0	77.9	1.7997	1.7524	-2.6	NA	±20	Average RF
2,2'-Oxybis(1-chloropropane)	80.0	70.4	1.2578	1.1063	-12.0	NA	±20	Average RF
Bis(2-chloroethoxy)methane	80.0	73.9	0.4231	0.391	-7.6	NA	±20	Average RF

Client: Day Environmental, Inc. **Service Request:** R1903959
Project: 32 York St/5598S-19 **Date Analyzed:** 05/08/19 08:09

Continuing Calibration Verification (CCV) Summary
Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D **Calibration Date:** 3/14/2019
File ID: I:\ACQUDATA\5973D\Data\050819\BR693.D\ **Calibration ID:** RC1900040
Signal ID: 1 **Analysis Lot:** 634837
Units: ppm

Bis(2-chloroethyl) Ether	80.0	73.2	1.2134	1.11	-8.5	NA	±20	Average RF
Bis(2-ethylhexyl) Phthalate	80.0	81.0	1.0171	1.0304	1.3	NA	±20	Average RF
Butyl Benzyl Phthalate	80.0	81.8	0.7046	0.7208	2.3	NA	±20	Average RF
Caprolactam	80.0	77.8	0.1119	0.1088	-2.8	NA	±20	Average RF
Carbazole	80.0	75.3	1.2068	1.1356	-5.9	NA	±20	Average RF
Chrysene	80.0	76.0	1.2643	1.2007	-5.0	NA	±20	Average RF
Di-n-butyl Phthalate	80.0	77.0	1.6743	1.6123	-3.7	NA	±20	Average RF
Di-n-octyl Phthalate	80.0	81.0	1.6133	1.6329	1.2	NA	±20	Average RF
Dibenz(a,h)anthracene	80.0	80.2	1.2581	1.2607	0.2	NA	±20	Average RF
Dibenzofuran	80.0	79.8	1.9392	1.9335	-0.3	NA	±20	Average RF
Diethyl Phthalate	80.0	81.0	1.6809	1.7014	1.2	NA	±20	Average RF
Dimethyl Phthalate	80.0	78.2	1.5979	1.5618	-2.3	NA	±20	Average RF
Fluoranthene	80.0	77.5	1.4232	1.3792	-3.1	NA	±20	Average RF
Fluorene	80.0	78.4	1.5713	1.5397	-2.0	NA	±20	Average RF
Hexachlorobenzene	80.0	74.3	0.3183	0.2955	-7.2	NA	±20	Average RF
Hexachlorobutadiene	80.0	86.4	0.2349	0.2537	8.0	NA	±20	Average RF
Hexachlorocyclopentadiene	80.0	66.4	0.3675	0.3395	NA	-17.0	±20	Quadratic
Hexachloroethane	80.0	84.2	0.6915	0.728	5.3	NA	±20	Average RF
Indeno(1,2,3-cd)pyrene	80.0	81.7	1.1811	1.2064	2.1	NA	±20	Average RF
Isophorone	80.0	77.4	0.7098	0.6863	-3.3	NA	±20	Average RF
N-Nitrosodi-n-propylamine	80.0	79.1	1.0591	1.047	-1.1	NA	±20	Average RF
N-Nitrosodiphenylamine	160	149	0.6733	0.629	-6.6	NA	±20	Average RF
Naphthalene	80.0	76.5	1.1874	1.1352	-4.4	NA	±20	Average RF
Nitrobenzene	80.0	81.7	0.4195	0.4286	2.2	NA	±20	Average RF
Pentachlorophenol (PCP)	80.0	55.5	0.1741	0.1209	-30.6*	NA	±20	Average RF
Phenanthrene	80.0	71.7	1.2967	1.1614	-10.4	NA	±20	Average RF
Phenol	80.0	75.9	1.865	1.7689	-5.2	NA	±20	Average RF
Pyrene	80.0	77.4	1.4043	1.3585	-3.3	NA	±20	Average RF

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
2,4,6-Tribromophenol	80.0	86.6	0.2899	0.3139	8.3	NA	±20	Average RF
2-Fluorobiphenyl	80.0	80.0	1.5679	1.5674	0.0	NA	±20	Average RF
2-Fluorophenol	80.0	75.0	1.4072	1.32	-6.2	NA	±20	Average RF
Nitrobenzene-d5	80.0	83.0	0.4121	0.4276	3.8	NA	±20	Average RF
Phenol-d6	80.0	76.1	1.7462	1.6606	-4.9	NA	±20	Average RF
Terphenyl-d14	80.0	77.5	1.0017	0.97	-3.2	NA	±20	Average RF

Client: Day Environmental, Inc. **Service Request:** R1903959
Project: 32 York St/5598S-19 **Date Analyzed:** 05/13/19 08:41

Continuing Calibration Verification (CCV) Summary
Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D **Calibration Date:** 4/30/2019
File ID: I:\ACQUDATA\5973A\DATA\051319\DS002.D\ **Calibration ID:** RC1900050
Signal ID: 1 **Analysis Lot:** 635338
Units: ppm

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
1,2,4,5-Tetrachlorobenzene	80.0	82.6	0.5887	0.6078	3.2	NA	±20	Average RF
2,3,4,6-Tetrachlorophenol	80.0	91.7	0.2691	0.3086	14.7	NA	±20	Average RF
2,4,5-Trichlorophenol	80.0	83.3	0.4011	0.4177	4.1	NA	±20	Average RF
2,4,6-Trichlorophenol	80.0	85.9	0.3729	0.4002	7.3	NA	±20	Average RF
2,4-Dichlorophenol	80.0	79.3	0.3009	0.2981	-0.9	NA	±20	Average RF
2,4-Dimethylphenol	80.0	81.2	0.3798	0.3854	1.5	NA	±20	Average RF
2,4-Dinitrophenol	80.0	90.7	0.117	0.1546	NA	13.3	±20	Quadratic
2,4-Dinitrotoluene	80.0	81.7	0.449	0.4583	2.1	NA	±20	Average RF
2,6-Dinitrotoluene	80.0	78.1	0.3399	0.3319	-2.4	NA	±20	Average RF
2-Chloronaphthalene	80.0	78.2	1.2807	1.2514	-2.3	NA	±20	Average RF
2-Chlorophenol	80.0	79.8	1.5356	1.5325	-0.2	NA	±20	Average RF
2-Methylnaphthalene	80.0	75.9	0.7135	0.677	-5.1	NA	±20	Average RF
2-Methylphenol	80.0	79.1	1.3778	1.3617	-1.2	NA	±20	Average RF
2-Nitroaniline	80.0	80.2	0.3661	0.367	0.2	NA	±20	Average RF
2-Nitrophenol	80.0	80.4	0.2109	0.212	0.5	NA	±20	Average RF
3,3'-Dichlorobenzidine	80.0	76.9	0.5321	0.5114	-3.9	NA	±20	Average RF
3- and 4-Methylphenol Coelution	80.0	79.5	1.559	1.5501	-0.6	NA	±20	Average RF
3-Nitroaniline	80.0	78.0	0.3908	0.381	-2.5	NA	±20	Average RF
4,6-Dinitro-2-methylphenol	80.0	87.5	0.1542	0.1686	9.3	NA	±20	Average RF
4-Bromophenyl Phenyl Ether	80.0	78.0	0.2092	0.2038	-2.5	NA	±20	Average RF
4-Chloro-3-methylphenol	80.0	79.4	0.3005	0.2984	-0.7	NA	±20	Average RF
4-Chloroaniline	80.0	77.2	0.4613	0.4452	-3.5	NA	±20	Average RF
4-Chlorophenyl Phenyl Ether	80.0	82.0	0.5845	0.5995	2.6	NA	±20	Average RF
4-Nitroaniline	80.0	81.2	0.3855	0.3913	1.5	NA	±20	Average RF
4-Nitrophenol	80.0	90.7	0.2564	0.2906	13.3	NA	±20	Average RF
Acenaphthene	80.0	78.4	1.427	1.3985	-2.0	NA	±20	Average RF
Acenaphthylene	80.0	78.9	2.0514	2.0223	-1.4	NA	±20	Average RF
Acetophenone	80.0	78.4	1.9363	1.8979	-2.0	NA	±20	Average RF
Anthracene	80.0	78.8	1.2569	1.2382	-1.5	NA	±20	Average RF
Atrazine	80.0	74.2	0.1144	0.1061	-7.3	NA	±20	Average RF
Benz(a)anthracene	80.0	78.6	1.3582	1.3346	-1.7	NA	±20	Average RF
Benzaldehyde	80.0	87.3	1.0232	1.1167	9.1	NA	±20	Average RF
Benzo(a)pyrene	80.0	81.4	1.1447	1.1644	1.7	NA	±20	Average RF
Benzo(b)fluoranthene	80.0	81.0	1.3311	1.3475	1.2	NA	±20	Average RF
Benzo(g,h,i)perylene	80.0	82.2	0.9676	0.9946	2.8	NA	±20	Average RF
Benzo(k)fluoranthene	80.0	80.1	1.2607	1.2624	0.1	NA	±20	Average RF
Biphenyl	80.0	77.8	1.772	1.7234	-2.7	NA	±20	Average RF
2,2'-Oxybis(1-chloropropane)	80.0	83.3	1.2997	1.3537	4.2	NA	±20	Average RF
Bis(2-chloroethoxy)methane	80.0	80.1	0.3995	0.3998	0.1	NA	±20	Average RF

Client: Day Environmental, Inc. **Service Request:** R1903959
Project: 32 York St/5598S-19 **Date Analyzed:** 05/13/19 08:41

Continuing Calibration Verification (CCV) Summary
Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D **Calibration Date:** 4/30/2019
File ID: I:\ACQUDATA\5973A\DATA\051319\DS002.D\ **Calibration ID:** RC1900050
Signal ID: 1 **Analysis Lot:** 635338
Units: ppm

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
Bis(2-chloroethyl) Ether	80.0	79.2	1.3526	1.3396	-1.0	NA	±20	Average RF
Bis(2-ethylhexyl) Phthalate	80.0	79.9	1.1213	1.12	-0.1	NA	±20	Average RF
Butyl Benzyl Phthalate	80.0	80.2	0.8149	0.8165	0.2	NA	±20	Average RF
Caprolactam	80.0	74.5	0.1193	0.111	-6.9	NA	±20	Average RF
Carbazole	80.0	78.8	1.2346	1.2156	-1.5	NA	±20	Average RF
Chrysene	80.0	79.5	1.2495	1.2417	-0.6	NA	±20	Average RF
Di-n-butyl Phthalate	80.0	81.0	1.5958	1.6162	1.3	NA	±20	Average RF
Di-n-octyl Phthalate	80.0	79.9	1.8983	1.8965	-0.1	NA	±20	Average RF
Dibenz(a,h)anthracene	80.0	82.7	1.1763	1.2163	3.4	NA	±20	Average RF
Dibenzofuran	80.0	78.8	1.7622	1.7349	-1.6	NA	±20	Average RF
Diethyl Phthalate	80.0	79.0	1.4829	1.4636	-1.3	NA	±20	Average RF
Dimethyl Phthalate	80.0	74.6	1.4974	1.3972	-6.7	NA	±20	Average RF
Fluoranthene	80.0	81.4	1.2951	1.3185	1.8	NA	±20	Average RF
Fluorene	80.0	77.4	1.4489	1.4012	-3.3	NA	±20	Average RF
Hexachlorobenzene	80.0	81.6	0.2352	0.24	2.1	NA	±20	Average RF
Hexachlorobutadiene	80.0	80.6	0.1607	0.1619	0.7	NA	±20	Average RF
Hexachlorocyclopentadiene	80.0	81.1	0.2398	0.2802	NA	1.3	±20	Quadratic
Hexachloroethane	80.0	78.2	0.6295	0.615	-2.3	NA	±20	Average RF
Indeno(1,2,3-cd)pyrene	80.0	83.8	1.1226	1.1765	4.8	NA	±20	Average RF
Isophorone	80.0	80.7	0.6795	0.6857	0.9	NA	±20	Average RF
N-Nitrosodi-n-propylamine	80.0	82.0	1.0443	1.0702	2.5	NA	±20	Average RF
N-Nitrosodiphenylamine	160	155	0.7068	0.6856	-3.0	NA	±20	Average RF
Naphthalene	80.0	75.2	1.1024	1.0363	-6.0	NA	±20	Average RF
Nitrobenzene	80.0	77.9	0.4077	0.3969	-2.6	NA	±20	Average RF
Pentachlorophenol (PCP)	80.0	108	0.0767	0.1249	NA	34.4*	±20	Quadratic
Phenanthrene	80.0	76.8	1.265	1.2147	-4.0	NA	±20	Average RF
Phenol	80.0	80.7	1.9549	1.9728	0.9	NA	±20	Average RF
Pyrene	80.0	82.3	1.4688	1.5106	2.8	NA	±20	Average RF

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
2,4,6-Tribromophenol	80.0	88.5	0.1638	0.1812	10.6	NA	±20	Average RF
2-Fluorobiphenyl	80.0	77.5	1.521	1.4739	-3.1	NA	±20	Average RF
2-Fluorophenol	80.0	78.9	1.4549	1.4341	-1.4	NA	±20	Average RF
Nitrobenzene-d5	80.0	78.5	0.4059	0.3984	-1.8	NA	±20	Average RF
Phenol-d6	80.0	80.5	1.7875	1.799	0.6	NA	±20	Average RF
Terphenyl-d14	80.0	83.0	0.9423	0.9772	3.7	NA	±20	Average RF

Client: Day Environmental, Inc. **Service Request:**R1903959
Project: 32 York St/5598S-19

Analysis Run Log
Semivolatile Organic Compounds by GC/MS

Analysis Method: **Analysis Lot:**634539
Instrument ID:R-MS-54

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
	ZZZZZZZ	ZZZZZZZ			
I:\ACQUDATA\5973D\Data\050719\BR662.D\	ZZZZZZZ	ZZZZZZZ	5/7/2019	12:42:00	
I:\ACQUDATA\5973D\Data\050719\BR662.D\	ZZZZZZZ	ZZZZZZZ	5/7/2019	12:42:00	
I:\ACQUDATA\5973D\Data\050719\BR662.D\	ZZZZZZZ	ZZZZZZZ	5/7/2019	12:42:00	
I:\ACQUDATA\5973D\Data\050719\BR663.D\	ZZZZZZZ	ZZZZZZZ	5/7/2019	13:01:00	
I:\ACQUDATA\5973D\Data\050719\BR663.D\	Continuing Calibration Verification	RQ1904287-05	5/7/2019	13:01:00	
I:\ACQUDATA\5973D\Data\050719\BR665.D\	ZZZZZZZ	ZZZZZZZ	5/7/2019	13:58:00	
I:\ACQUDATA\5973D\Data\050719\BR666.D\	ZZZZZZZ	ZZZZZZZ	5/7/2019	14:26:00	
I:\ACQUDATA\5973D\Data\050719\BR667.D\	ZZZZZZZ	ZZZZZZZ	5/7/2019	14:56:00	
I:\ACQUDATA\5973D\Data\050719\BR668.D\	ZZZZZZZ	ZZZZZZZ	5/7/2019	15:25:00	
I:\ACQUDATA\5973D\Data\050719\BR670.D\	Method Blank	RQ1904142-05	5/7/2019	16:23:00	
I:\ACQUDATA\5973D\Data\050719\BR671.D\	Lab Control Sample	RQ1904142-06	5/7/2019	16:52:00	
I:\ACQUDATA\5973D\Data\050719\BR672.D\	Duplicate Lab Control Sample	RQ1904142-07	5/7/2019	17:20:00	
I:\ACQUDATA\5973D\Data\050719\BR673.D\	ZZZZZZZ	ZZZZZZZ	5/7/2019	17:49:00	
I:\ACQUDATA\5973D\Data\050719\BR674.D\	ZZZZZZZ	ZZZZZZZ	5/7/2019	18:18:00	
I:\ACQUDATA\5973D\Data\050719\BR675.D\	ZZZZZZZ	ZZZZZZZ	5/7/2019	18:47:00	
I:\ACQUDATA\5973D\Data\050719\BR676.D\	ZZZZZZZ	ZZZZZZZ	5/7/2019	19:16:00	
I:\ACQUDATA\5973D\Data\050719\BR677.D\	ZZZZZZZ	ZZZZZZZ	5/7/2019	19:44:00	
I:\ACQUDATA\5973D\Data\050719\BR678.D\	ZZZZZZZ	ZZZZZZZ	5/7/2019	20:13:00	
I:\ACQUDATA\5973D\Data\050719\BR679.D\	ZZZZZZZ	ZZZZZZZ	5/7/2019	20:42:00	
I:\ACQUDATA\5973D\Data\050719\BR680.D\	ZZZZZZZ	ZZZZZZZ	5/7/2019	21:10:00	
I:\ACQUDATA\5973D\Data\050719\BR681.D\	ZZZZZZZ	ZZZZZZZ	5/7/2019	21:39:00	
I:\ACQUDATA\5973D\Data\050719\BR682.D\	ZZZZZZZ	ZZZZZZZ	5/7/2019	22:07:00	
I:\ACQUDATA\5973D\Data\050719\BR683.D\	ZZZZZZZ	ZZZZZZZ	5/7/2019	22:36:00	
I:\ACQUDATA\5973D\Data\050719\BR684.D\	TB-01-32 (2-3)	R1903959-002	5/7/2019	23:04:00	
I:\ACQUDATA\5973D\Data\050719\BR685.D\	TB-02-32 (4-5)	R1903959-006	5/7/2019	23:32:00	
I:\ACQUDATA\5973D\Data\050719\BR686.D\	TB-03-32 (5-7)	R1903959-008	5/8/2019	00:01:00	
I:\ACQUDATA\5973D\Data\050719\BR687.D\	TB-04-32 (4-5)	R1903959-010	5/8/2019	00:29:00	

Client: Day Environmental, Inc. **Service Request:**R1903959
Project: 32 York St/5598S-19

Analysis Run Log
Semivolatile Organic Compounds by GC/MS

Analysis Method: **Analysis Lot:**634837
Instrument ID:R-MS-54

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
	ZZZZZZZ	ZZZZZZZ			
I:\ACQUDATA\5973D\Data\050819\BR692.D\	ZZZZZZZ	ZZZZZZZ	5/8/2019	07:49:00	
I:\ACQUDATA\5973D\Data\050819\BR693.D\	Continuing Calibration Verification	RQ1904331-02	5/8/2019	08:09:00	
I:\ACQUDATA\5973D\Data\050819\BR701.D\	ZZZZZZZ	ZZZZZZZ	5/8/2019	11:56:00	
I:\ACQUDATA\5973D\Data\050819\BR702.D\	ZZZZZZZ	ZZZZZZZ	5/8/2019	12:24:00	
I:\ACQUDATA\5973D\Data\050819\BR703.D\	ZZZZZZZ	ZZZZZZZ	5/8/2019	12:53:00	
I:\ACQUDATA\5973D\Data\050819\BR704.D\	ZZZZZZZ	ZZZZZZZ	5/8/2019	13:22:00	
I:\ACQUDATA\5973D\Data\050819\BR705.D\	Method Detection Limit Verification	RQ1904142-01	5/8/2019	13:50:00	
I:\ACQUDATA\5973D\Data\050819\BR706.D\	Method Detection Limit Verification	RQ1904142-01	5/8/2019	14:19:00	

Client: Day Environmental, Inc. **Service Request:**R1903959
Project: 32 York St/5598S-19

Analysis Run Log
Semivolatile Organic Compounds by GC/MS

Analysis Method: **Analysis Lot:**635338
Instrument ID:R-MS-54

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
	ZZZZZZZ	ZZZZZZZ			
I:\ACQUDATA\5973A\DATA\051319 \DS001.D\	ZZZZZZZ	ZZZZZZZ	5/13/2019	08:13:00	
I:\ACQUDATA\5973A\DATA\051319 \DS001.D\	ZZZZZZZ	ZZZZZZZ	5/13/2019	08:13:00	
I:\ACQUDATA\5973A\DATA\051319 \DS002.D\	ZZZZZZZ	ZZZZZZZ	5/13/2019	08:41:00	
I:\ACQUDATA\5973A\DATA\051319 \DS002.D\	Continuing Calibration Verification	RQ1904520-04	5/13/2019	08:41:00	
I:\ACQUDATA\5973A\DATA\051319 \DS004.D\	ZZZZZZZ	ZZZZZZZ	5/13/2019	09:38:00	
I:\ACQUDATA\5973A\DATA\051319 \DS004.D\	ZZZZZZZ	ZZZZZZZ	5/13/2019	09:38:00	
I:\ACQUDATA\5973A\DATA\051319 \DS005.D\	ZZZZZZZ	ZZZZZZZ	5/13/2019	10:07:00	
I:\ACQUDATA\5973A\DATA\051319 \DS005.D\	ZZZZZZZ	ZZZZZZZ	5/13/2019	10:07:00	
I:\ACQUDATA\5973A\DATA\051319 \DS006.D\	ZZZZZZZ	ZZZZZZZ	5/13/2019	10:36:00	
I:\ACQUDATA\5973A\DATA\051319 \DS006.D\	ZZZZZZZ	ZZZZZZZ	5/13/2019	10:36:00	
I:\ACQUDATA\5973A\DATA\051319 \DS007.D\	ZZZZZZZ	ZZZZZZZ	5/13/2019	11:05:00	
I:\ACQUDATA\5973A\DATA\051319 \DS009.D\	ZZZZZZZ	ZZZZZZZ	5/13/2019	12:06:00	
I:\ACQUDATA\5973A\DATA\051319 \DS010.D\	ZZZZZZZ	ZZZZZZZ	5/13/2019	12:36:00	
I:\ACQUDATA\5973A\DATA\051319 \DS011.D\	ZZZZZZZ	ZZZZZZZ	5/13/2019	13:06:00	
I:\ACQUDATA\5973A\DATA\051319 \DS012.D\	ZZZZZZZ	ZZZZZZZ	5/13/2019	13:35:00	
I:\ACQUDATA\5973A\DATA\051319 \DS013.D\	ZZZZZZZ	ZZZZZZZ	5/13/2019	14:04:00	
I:\ACQUDATA\5973A\DATA\051319 \DS014.D\	ZZZZZZZ	ZZZZZZZ	5/13/2019	14:34:00	
I:\ACQUDATA\5973A\DATA\051319 \DS015.D\	Method Blank	RQ1904520-05	5/13/2019	15:21:00	
I:\ACQUDATA\5973A\DATA\051319 \DS016.D\	Method Detection Limit Verification	RQ1904142-02	5/13/2019	15:51:00	
I:\ACQUDATA\5973A\DATA\051319 \DS017.D\	Method Detection Limit Verification	RQ1904142-02	5/13/2019	16:20:00	

Analysis: 8270	**Analyst:** OMISURSW.UC	**Run Method:** 8270D/Tune	
Date: 5/8/19	**Instr.** 5973D R-MS-54	**Quant Method:** 8270D_BW190.M	
Syringes:		**LIMS Run#:**	634539

Pos.	Sample	Diln.	Stds. ID	File#	OK?	Comments
1	Blk			BR661	—	
2	Tune		198691	62	YT	
3	CCV		199193	63	YCC	
4	CCV Hexa		199198	64	QPCC	
5	RQ1904099-07	Blk	335900	65	Y	
6	MDL 1-5ppm		(water)	66	Y	
7	" -5 ppm		"	67	Y	
8	R1903839-001		375901	68	Y	Surr "
9	-001	3.0		69	Y	
10	RQ1904142-05	Blk	375967	70	Y	
11	" -06	LCS	(8270 S)	71	YQ	
12	" -07	LCSD		72	YQ	
13	R1903954-001			73	Y	
14	-004			74	Y	
15	-006			75	Y	
16	-008	3.0		76	Y	* dark
17	" -010	3.0		77	Y	"
18	R1903957-002			78	Y	
19	RQ1903 5/8/19 4142-03			79	Y	
20	" -04			80	Y	
21	R1903957-004	3.0		81	Y	* dark
22	-007			82	Y	
23	" -008			83	Y	
24	R1903959-002			84	Y	
25	-006			85	Y	
26	-008			86	Y	
27	" -010			87	Y	
28	Blk			88	—	
29	"			89	—	
30	"			90	—	
				JM	5/8/19	

All samples = 1 mL + 10 uL Combined IS/Surr.; 197164

Primary : _____ exp: Secondary : _____ exp:

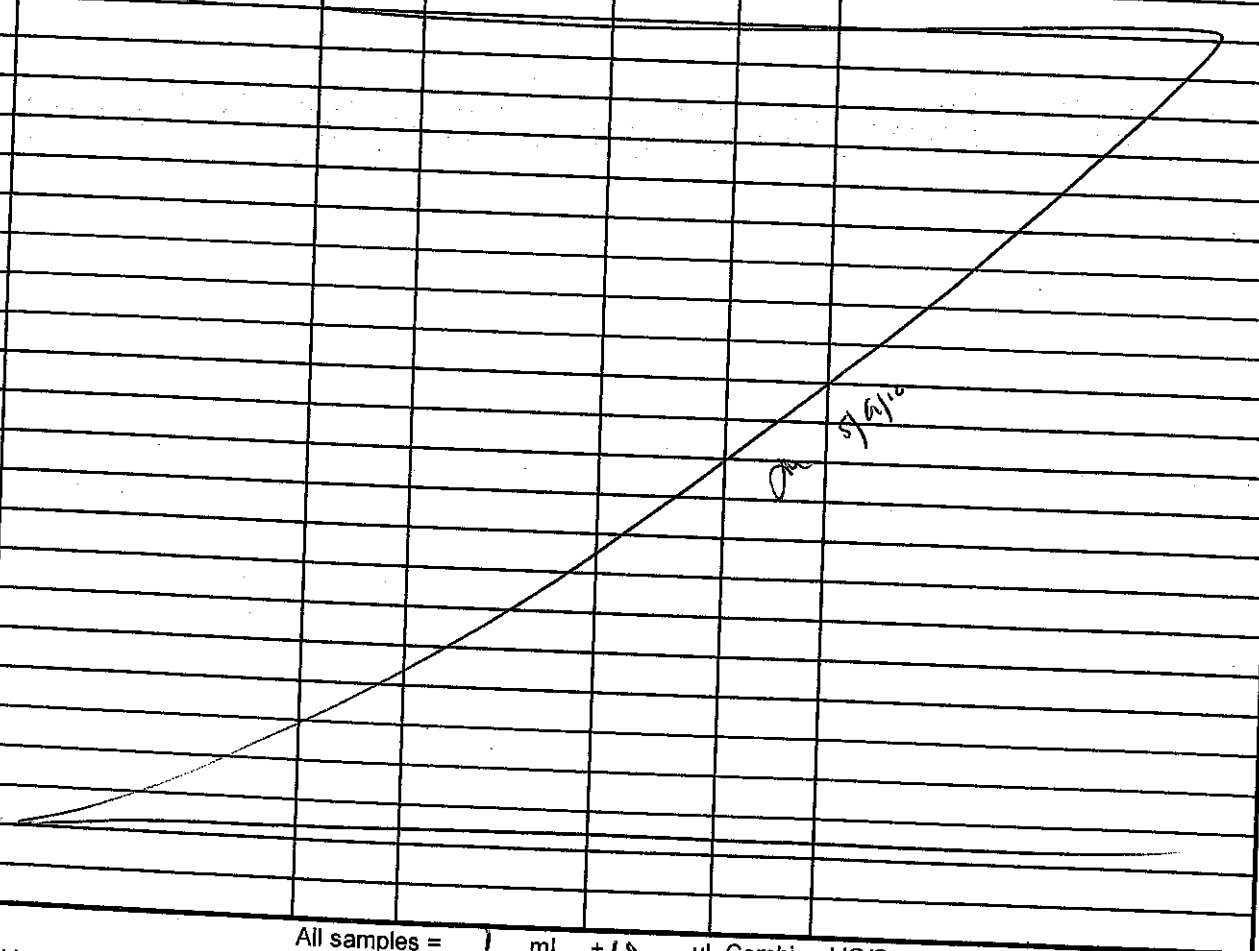
Primary: _____ exp: Secondary : _____ exp:

Reagents:

Runlog GCEXT r2 4/27/17

Analysis: 8270 Analyst: OMISLAWSKI Run Method: 8270D_NE
Date: 5/8/17 Instr. 5973D R-MS-54 Quant Method: 8270B3141SD.M
Syringes: LIMS Run#: 634537

Pos.	Sample	Diln.	Stds. ID	File#	OK?	Comments
1	BLK			BK691	—	
2	TUNE		198691	92	YT	
3	CCV		199257	93	YCC	
4	MDL BLK 1	(Mini)		94	(N)	
5	↓ 2			95		
6	↓ 3			96		
7	MDL 1 - 1 ppm			97		
8	↓ 2			98		
9	↓ 10			99		
10	MDL 2 - 1 ppm			700	↓	
11	R1905167-007		335967	01	Y	
12	-008			02	Y	
13	-009			03	Y	
14	-010			04	Y	
15	MDL 1 - 10 ppm	(Soil)	335967	05	Y	
16	↓ -50 ppm			06	Y	



All samples = 1 mL + 10 uL Combined IS/Surr.; 197764

Primary : exp:
Primary: exp:
Reagents:

Secondary : exp:
Secondary : exp:

Analysis: 8270/625 Analyst: [illegible] Run Method: 8270A/Diw

Date: 5/13/19 Instr. 5973A R-MS-51 Quant Method: 8270013019A.M

Syringes: LIMS Run#: 635338

Pos.	Sample	Diln.	Stds. ID	File#	OK?	Comments
1	Blk			QR998	—	
1	Blk			99	—	
2	Tune		199257	DS001	Y	
3	CCV		199358	02	Y	
4	CCV Hyd		199198	03	N	
5	RQ1904334-01	Blk	336273/330	04	Y	RQ1904365-01
6	" -02	LCS		05	Y	" -02
7	" -03	LCSD		06	Y	" -03
8	R1903830-001	5.0	336273	07	Y	
9	R1903956-001	10		08	(N)	RT Y 20
10	R1904009-001	5.0		09	Y	Large NTs
11	" -002	5.0		10	Y	"
12	R1903839-002		336330	11	Y	
13	R1903897-001			12	Y	
14	R1903955-001			13	Y	
15	RQ1904325-01			14	Y	
16	RQ1904142-01	Blk	335967 (5014)	15	Y	
17	MDL 10ppm			16	Y	
18	" 50ppm			17	Y	

DW 5/14/19

All samples = _____mL + _____uL Combined IS/Surr.;

Primary :_____ exp: Secondary :_____ exp:

Primary:_____ exp: Secondary :_____ exp:

Reagents:

Runlog GCEXT r2 4/27/17

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Prep Summary Report

Client: Day Environmental, Inc. **Service Request:**R1903959
Project: 32 York St/5598S-19
Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Prep Method: EPA 3541 **Extraction Lot:** 335967
Analytical Method: 8270D **Extraction Date:** 05/06/19 07:37

Sample Name	Lab Code	Date Collected	Date Received	Sample Amount	Final Amount	Percent Solids
TB-01-32 (2-3)	R1903959-002	4/30/19	5/2/19	30.2400 g	1 mL	76.6
TB-02-32 (4-5)	R1903959-006	4/30/19	5/2/19	29.7300 g	1 mL	87.4
TB-03-32 (5-7)	R1903959-008	4/30/19	5/2/19	29.8400 g	1 mL	84.2
TB-04-32 (4-5)	R1903959-010	4/30/19	5/2/19	29.7700 g	1 mL	87.7
Method Detection Limit Verification	RQ1904142-01MDLV	NA	NA	30.0000 g	1 mL	
Method Detection Limit Verification	RQ1904142-02MDLV	NA	NA	30.0000 g	1 mL	
Method Blank	RQ1904142-05MB	NA	NA	30.0000 g	1 mL	
Lab Control Sample	RQ1904142-06LCS	NA	NA	30.0000 g	1 mL	
Duplicate Lab Control Sample	RQ1904142-07DLCS	NA	NA	30.0000 g	1 mL	

Metals

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

METALS

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client:	Day Environmental, Inc.	**Service Request:**	TB-01-32 (3-4)
Project No.:	R1903959	**Date Collected:**	4/30/2019
Project Name:		**Date Received:**	5/2/2019
Matrix:	SOIL	**Units:**	mg/Kg
		Basis:	

Sample Name: **TB-01-32 (3-4)** **Lab Code:** **R1903959-003**

Analyte	Analysis Method	PQL	MDL	Dil. Factor	Result	C	Q
Arsenic	6010C	1.1	0.780	1.0	6.9		
Barium	6010C	2.2	1.1	1.0	121		
Cadmium	6010C	0.557	0.081	1.0	0.813		
Mercury	7471B	0.037	0.007	1.0	0.517		
Chromium	6010C	1.1	0.390	1.0	13.6		
Lead	6010C	5.6	0.446	1.0	170		
Selenium	6010C	1.1	0.601	1.0	1.1	U	
Silver	6010C	1.1	0.079	1.0	0.223	J	

% Solids: **84.7**

Comments:

METALS

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client:	Day Environmental, Inc.	**Service Request:**	TB-01-32 (3-4)
Project No.:	R1903959	**Date Collected:**	4/30/2019
Project Name:		**Date Received:**	5/2/2019
Matrix:	SOIL	**Units:**	mg/Kg
		Basis:	

Sample Name: **TB-02-32 (3-4)** **Lab Code:** **R1903959-005**

Analyte	Analysis Method	PQL	MDL	Dil. Factor	Result	C	Q
Arsenic	6010C	1.1	0.782	1.0	3.2		
Barium	6010C	2.2	1.1	1.0	50.7		
Cadmium	6010C	0.558	0.082	1.0	0.235	J	
Mercury	7471B	0.038	0.007	1.0	0.083		
Chromium	6010C	1.1	0.391	1.0	8.0		
Lead	6010C	5.6	0.447	1.0	63.3		
Selenium	6010C	1.1	0.603	1.0	1.1	U	
Silver	6010C	1.1	0.079	1.0	1.1	U	

% Solids: **86.1**

Comments:

METALS

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client:	Day Environmental, Inc.	**Service Request:**	TB-01-32 (3-4)
Project No.:	R1903959	**Date Collected:**	4/30/2019
Project Name:		**Date Received:**	5/2/2019
Matrix:	SOIL	**Units:**	mg/Kg
		Basis:	

Sample Name: **TB-03-32 (5-7)** **Lab Code:** **R1903959-008**

Analyte	Analysis Method	PQL	MDL	Dil. Factor	Result	C	Q
Arsenic	6010C	1.1	0.799	1.0	7.2		
Barium	6010C	2.3	1.1	1.0	53.1		
Cadmium	6010C	0.571	0.083	1.0	0.320	J	
Mercury	7471B	0.038	0.007	1.0	0.311		
Chromium	6010C	1.1	0.400	1.0	9.5		
Lead	6010C	5.7	0.457	1.0	92.2		
Selenium	6010C	1.1	0.617	1.0	1.1	U	
Silver	6010C	1.1	0.081	1.0	1.1	U	

% Solids: **84.2**

Comments:

METALS

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: Day Environmental, Inc.
Service Request: TB-01-32 (3-4)
Project No.: R1903959
Date Collected: 4/30/2019
Project Name:
Date Received: 5/2/2019
Matrix: SOIL
Units: mg/Kg
Basis:

Sample Name: TB-04-32 (4-5)
Lab Code: R1903959-010

Analyte	Analysis Method	PQL	MDL	Dil. Factor	Result	C	Q
Arsenic	6010C	1.1	0.783	1.0	2.5		
Barium	6010C	2.2	1.1	1.0	25.6		
Cadmium	6010C	0.559	0.082	1.0	0.168	J	
Mercury	7471B	0.037	0.007	1.0	0.012	J	
Chromium	6010C	1.1	0.391	1.0	6.1		
Lead	6010C	5.6	0.447	1.0	5.1	J	
Selenium	6010C	1.1	0.604	1.0	1.1	U	
Silver	6010C	1.1	0.079	1.0	1.1	U	

% Solids: 87.7

Comments:

Metals Cover Page

Analyst: LH **Date:** 5/8/19 **Instrument:** ICP6

Data File: 6may08A **Reviewed By:** CK5/9/19 **Entered By:** CK5/9/19

Starlims Run #	Analytes Used	Batch ID	Method	Failed Analytes	Repeats
634851	TAl+BSnMoTi	336096	6010C DDO		
634852	FeNa	336053	6010C		
634854	BCaKTlFe	336057	6010C		K3918-001 Na
634855	TAl+BMoSnSr Ti	336095	6010C		R3943-003 As,Se ~~004 Se~~ CK5/9/19

ICP-6 Run Log

Serial number: MY15340001

Analyst: LH Date: 5/8/19 Data File: bMA4088

	Prep Date	Lot #
MRL	4/26/19	M7L6094A
ICSA	3/29/19	M7L6016CB
ICSAB	4/9/19	M7L6011S6
Int. Std	5/6/19	M7L6012GL
HLCCV3	5/1/19	M7L6C5CK

	Prep Date	Lot #
Cal Std 1	3/1/19	M7L6026B
Cal Std 2	3/6 & 4/1/19	M7L6032B
Cal Std 5/ HLCCV1	4/25/19	M7L6032A
ICV/CCV	5/8/19	M7L6094C
HLCCV2	4/29/19	M7L6071F

(Cal Std 4 is a 1/5 and Cal Std 3 is a 1/100 dilution of Cal Std 5)

Blank Prep - Daily	NHO3	HCl	Pipet Used	DOD Pipet Verification	IEC Date
Lot	M7L6085	M7L6076H	M25, M34	—	—

1:1	PBS-336096
1:2	LCSS-336096
1:3	LOD
1:4	LOQ
1:5	PBW-336053
1:6	LCSW-336053
1:7	R1903917-009 10X
1:8	R1903917-013 10X
1:9	R1903917-013L 10X
1:10	PBW-336057
S1:6	Continuing Calibration Verification
S1:7	Continuing Calibration Blank
1:11	LCSW-336057
1:12	DLCSW-336057
1:13	R1903918-001
1:14	R1903918-001L
1:15	R1903953-020 10X
1:16	R1903953-020L 10X
1:17	R1903918-001 10X
1:18	R1903918-001L 10X
S1:6	Continuing Calibration Verification
S1:7	Continuing Calibration Blank
S1:3	Contract Required Detection Limit
S1:4	Interference Check Solution A
S1:5	Interference Check Solution AB
S1:21	HLCCV2
S1:22	HLCCV3
S1:18	HLCCV1
S1:6	Continuing Calibration Verification
S1:7	Continuing Calibration Blank
1:19	PBS-336095
1:20	LCSS-336095
1:21	R1902784-015
1:22	R1903900-001
1:23	R1903943-003
1:24	R1903957-002
1:25	R1903957-002S
1:26	R1903957-002SD
1:27	R1903957-002A
1:28	R1903957-002L
S1:6	Continuing Calibration Verification
S1:7	Continuing Calibration Blank
1:29	R1903957-004
1:30	R1903957-007
1:31	R1903957-008
1:32	R1903959-003
1:33	R1903959-005
1:34	R1903959-008
1:35	R1903959-010
1:36	R1903959-010L
1:37	R1903967-001
1:38	R1903967-002
S1:6	Continuing Calibration Verification
S1:7	Continuing Calibration Blank
1:39	R1903967-003
1:40	R1903967-004
1:41	R1903967-005
1:42	R1903967-006
1:43	R1903967-009
1:44	R1903967-010
1:45	R1903957-002 10X
1:46	R1903957-002S 10X
1:47	R1903957-002A 10X
1:48	R1903957-002L 10X
~~S1:6~~	~~Continuing Calibration Verification~~
~~S1:7~~	~~Continuing Calibration Blank~~
1:49	R1903957-004 10X
1:50	R1903957-007 10X
1:51	R1903957-008 10X
S1:6	Continuing Calibration Verification
S1:7	Continuing Calibration Blank
S1:3	Contract Required Detection Limit
S1:4	Interference Check Solution A
S1:5	Interference Check Solution AB
S1:6	Continuing Calibration Verification
S1:7	Continuing Calibration Blank

5/9/19 LH

← S1:39 R1903957-002SD 10X

← CCV 5/9/19 LH

CCB

Agilent Technologies

Path: C:\Agilent\ICP Expert\My Results\6MAY08A.esws
Date created: 5/8/2019 1:30:32 PM
Instrument used: MY15340001
Software Version : 7.4.1.10449 Firmware Version : 3585
Notes:

Analyst: 5/8/19 (OK 5/9/19)

Detailed Results

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/8/2019 14:05:52	Blank	Ag (328.068 nm)	N/A	0.0000 (ppm)	-120.5813
5/8/2019 14:05:52	Blank	Al (394.401 nm)	N/A	0.0000 (ppm)	211.6923
5/8/2019 14:05:52	Blank	As (188.980 nm)	N/A	0.0000 (ppm)	-0.3737
5/8/2019 14:05:52	Blank	B (249.772 nm)	N/A	0.0000 (ppm)	61.6128
5/8/2019 14:05:52	Blank	Ba (230.424 nm)	N/A	0.0000 (ppm)	10.9755
5/8/2019 14:05:52	Blank	Be (313.107 nm)	N/A	0.0000 (ppm)	-307.8999
5/8/2019 14:05:52	Blank	Ca (227.547 nm)	N/A	0.0000 (ppm)	2.9223
5/8/2019 14:05:52	Blank	Cd (214.439 nm)	N/A	0.0000 (ppm)	8.0822
5/8/2019 14:05:52	Blank	Co (230.786 nm)	N/A	0.0000 (ppm)	-9.1707
5/8/2019 14:05:52	Blank	Cr (267.716 nm)	N/A	0.0000 (ppm)	15.2012
5/8/2019 14:05:52	Blank	Cu (327.395 nm)	N/A	0.0000 (ppm)	11.9841
5/8/2019 14:05:52	Blank	Fe (234.350 nm)	N/A	0.0000 (ppm)	28.3777
5/8/2019 14:05:52	Blank	K (766.491 nm)	N/A	0.0000 (ppm)	-52.9075
5/8/2019 14:05:52	Blank	Mg (279.078 nm)	N/A	0.0000 (ppm)	12.4183
5/8/2019 14:05:52	Blank	Mn (257.610 nm)	N/A	0.0000 (ppm)	32.8860
5/8/2019 14:05:52	Blank	Mo (202.032 nm)	N/A	0.0000 (ppm)	2.4017
5/8/2019 14:05:52	Blank	Na (588.995 nm)	N/A	0.0000 (ppm)	-9207.8578
5/8/2019 14:05:52	Blank	Ni (230.299 nm)	N/A	0.0000 (ppm)	-11.4465
5/8/2019 14:05:52	Blank	Pb (220.353 nm)	N/A	0.0000 (ppm)	2.0078
5/8/2019 14:05:52	Blank	Sb (217.582 nm)	N/A	0.0000 (ppm)	-1.8721
5/8/2019 14:05:52	Blank	Se (196.026 nm)	N/A	0.0000 (ppm)	1.6719
5/8/2019 14:05:52	Blank	Sn (189.925 nm)	N/A	0.0000 (ppm)	-0.8150
5/8/2019 14:05:52	Blank	Sr (216.596 nm)	N/A	0.0000 (ppm)	-1.9093
5/8/2019 14:05:52	Blank	Ti (336.122 nm)	N/A	0.0000 (ppm)	-130.3178
5/8/2019 14:05:52	Blank	Tl (351.923 nm)	N/A	0.0000 (ppm)	-7.6393
5/8/2019 14:05:52	Blank	V (292.401 nm)	N/A	0.0000 (ppm)	39.4458
5/8/2019 14:05:52	Blank	Y (360.074 nm)	0.00	1.00 (Ratio)	1003791.49
5/8/2019 14:05:52	Blank	Y_R (360.074 nm)	0.00	1.00 (Ratio)	1007501.65
5/8/2019 14:05:52	Blank	Zn (213.857 nm)	N/A	0.0000 (ppm)	-7.4459
5/8/2019 14:09:11	Standard 1	Ag (328.068 nm)	N/A		-125.8680
5/8/2019 14:09:11	Standard 1	Al (394.401 nm)	N/A		513.7333
5/8/2019 14:09:11	Standard 1	As (188.980 nm)	N/A	0.0050 (ppm)	3.5932
5/8/2019 14:09:11	Standard 1	B (249.772 nm)	N/A		56.5210
5/8/2019 14:09:11	Standard 1	Ba (230.424 nm)	N/A	0.0200 (ppm)	1083.7304
5/8/2019 14:09:11	Standard 1	Be (313.107 nm)	N/A		-313.6653
5/8/2019 14:09:11	Standard 1	Ca (227.547 nm)	N/A		30.1179
5/8/2019 14:09:11	Standard 1	Cd (214.439 nm)	N/A	0.0010 (ppm)	31.0391
5/8/2019 14:09:11	Standard 1	Co (230.786 nm)	N/A	0.0030 (ppm)	33.8517
5/8/2019 14:09:11	Standard 1	Cr (267.716 nm)	N/A	0.0050 (ppm)	283.5629
5/8/2019 14:09:11	Standard 1	Cu (327.395 nm)	N/A	0.0100 (ppm)	703.8828

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/8/2019 14:09:11	Standard 1	Fe (234.350 nm)	N/A		60.5372
5/8/2019 14:09:11	Standard 1	K (766.491 nm)	N/A		6744.6111
5/8/2019 14:09:11	Standard 1	Mg (279.078 nm)	N/A		1172.6388
5/8/2019 14:09:11	Standard 1	Mn (257.610 nm)	N/A	0.0100 (ppm)	3694.7477
5/8/2019 14:09:11	Standard 1	Mo (202.032 nm)	N/A	0.0250 (ppm)	150.1729
5/8/2019 14:09:11	Standard 1	Na (588.995 nm)	N/A		16676.9764
5/8/2019 14:09:11	Standard 1	Ni (230.299 nm)	N/A		-12.0518
5/8/2019 14:09:11	Standard 1	Pb (220.353 nm)	N/A	0.0050 (ppm)	14.1170
5/8/2019 14:09:11	Standard 1	Sb (217.582 nm)	N/A	0.0100 (ppm)	11.1496
5/8/2019 14:09:11	Standard 1	Se (196.026 nm)	N/A		0.0810
5/8/2019 14:09:11	Standard 1	Sn (189.925 nm)	N/A		-1.3132
5/8/2019 14:09:11	Standard 1	Sr (216.596 nm)	N/A		-1.3462
5/8/2019 14:09:11	Standard 1	Ti (336.122 nm)	N/A		-127.8933
5/8/2019 14:09:11	Standard 1	Tl (351.923 nm)	N/A	0.0100 (ppm)	31.2485
5/8/2019 14:09:11	Standard 1	V (292.401 nm)	N/A	0.0030 (ppm)	136.4840
5/8/2019 14:09:11	Standard 1	Y (360.074 nm)	0.51	0.99 (Ratio)	998650.23
5/8/2019 14:09:11	Standard 1	Y_R (360.074 nm)	0.51	0.99 (Ratio)	1002262.30
5/8/2019 14:09:11	Standard 1	Zn (213.857 nm)	N/A	0.0100 (ppm)	352.9903
5/8/2019 14:12:31	Standard 2	Ag (328.068 nm)	N/A		-119.3925
5/8/2019 14:12:31	Standard 2	Al (394.401 nm)	N/A	0.1000 (ppm)	1791.3523
5/8/2019 14:12:31	Standard 2	As (188.980 nm)	N/A	0.0100 (ppm)	5.1599
5/8/2019 14:12:31	Standard 2	B (249.772 nm)	N/A	0.2000 (ppm)	7467.1796
5/8/2019 14:12:31	Standard 2	Ba (230.424 nm)	N/A		3.1272
5/8/2019 14:12:31	Standard 2	Be (313.107 nm)	N/A	0.0030 (ppm)	3743.2038
5/8/2019 14:12:31	Standard 2	Ca (227.547 nm)	N/A	1.0000 (ppm)	62.6358
5/8/2019 14:12:31	Standard 2	Cd (214.439 nm)	N/A	0.0050 (ppm)	117.4056
5/8/2019 14:12:31	Standard 2	Co (230.786 nm)	N/A		-7.8849
5/8/2019 14:12:31	Standard 2	Cr (267.716 nm)	N/A		34.7490
5/8/2019 14:12:31	Standard 2	Cu (327.395 nm)	N/A	0.0200 (ppm)	1350.8390
5/8/2019 14:12:31	Standard 2	Fe (234.350 nm)	N/A		47.2653
5/8/2019 14:12:31	Standard 2	K (766.491 nm)	N/A	2.0000 (ppm)	6660.3135
5/8/2019 14:12:31	Standard 2	Mg (279.078 nm)	N/A	1.0000 (ppm)	9.3953
5/8/2019 14:12:31	Standard 2	Mn (257.610 nm)	N/A		29.8063
5/8/2019 14:12:31	Standard 2	Mo (202.032 nm)	N/A		3.0498
5/8/2019 14:12:31	Standard 2	Na (588.995 nm)	N/A	1.0000 (ppm)	42500.2825
5/8/2019 14:12:31	Standard 2	Ni (230.299 nm)	N/A		-15.7647
5/8/2019 14:12:31	Standard 2	Pb (220.353 nm)	N/A	0.0500 (ppm)	149.9159
5/8/2019 14:12:31	Standard 2	Sb (217.582 nm)	N/A	0.0600 (ppm)	67.7766
5/8/2019 14:12:31	Standard 2	Se (196.026 nm)	N/A	0.0100 (ppm)	7.7205
5/8/2019 14:12:31	Standard 2	Sn (189.925 nm)	N/A	0.5000 (ppm)	369.0534
5/8/2019 14:12:31	Standard 2	Sr (216.596 nm)	N/A		-2.7105
5/8/2019 14:12:31	Standard 2	Ti (336.122 nm)	N/A		-136.9843
5/8/2019 14:12:31	Standard 2	Tl (351.923 nm)	N/A		-1.5243
5/8/2019 14:12:31	Standard 2	V (292.401 nm)	N/A		37.4270
5/8/2019 14:12:31	Standard 2	Y (360.074 nm)	0.52	0.99 (Ratio)	998181.48
5/8/2019 14:12:31	Standard 2	Y_R (360.074 nm)	0.52	0.99 (Ratio)	1001650.73
5/8/2019 14:12:31	Standard 2	Zn (213.857 nm)	N/A		-3.3310
5/8/2019 14:15:51	Standard 3	Ag (328.068 nm)	N/A	0.0100 (ppm)	623.4755
5/8/2019 14:15:51	Standard 3	Al (394.401 nm)	N/A		3299.1122
5/8/2019 14:15:51	Standard 3	As (188.980 nm)	N/A		12.0638
5/8/2019 14:15:51	Standard 3	B (249.772 nm)	N/A		1958.2956

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/8/2019 14:15:51	Standard 3	Ba (230.424 nm)	N/A		10337.5429
5/8/2019 14:15:51	Standard 3	Be (313.107 nm)	N/A	0.0050 (ppm)	6348.0028
5/8/2019 14:15:51	Standard 3	Ca (227.547 nm)	N/A	0.5000 (ppm)	31.1321
5/8/2019 14:15:51	Standard 3	Cd (214.439 nm)	N/A		223.8565
5/8/2019 14:15:51	Standard 3	Co (230.786 nm)	N/A	0.0500 (ppm)	666.8142
5/8/2019 14:15:51	Standard 3	Cr (267.716 nm)	N/A	0.0100 (ppm)	442.9220
5/8/2019 14:15:51	Standard 3	Cu (327.395 nm)	N/A		1640.9568
5/8/2019 14:15:51	Standard 3	Fe (234.350 nm)	N/A	0.1000 (ppm)	1164.4290
5/8/2019 14:15:51	Standard 3	K (766.491 nm)	N/A	0.5000 (ppm)	1645.9982
5/8/2019 14:15:51	Standard 3	Mg (279.078 nm)	N/A	0.5000 (ppm)	1164.8897
5/8/2019 14:15:51	Standard 3	Mn (257.610 nm)	N/A		5056.6440
5/8/2019 14:15:51	Standard 3	Mo (202.032 nm)	N/A		284.0139
5/8/2019 14:15:51	Standard 3	Na (588.995 nm)	N/A	0.5000 (ppm)	16494.0641
5/8/2019 14:15:51	Standard 3	Ni (230.299 nm)	N/A	0.0400 (ppm)	419.2997
5/8/2019 14:15:51	Standard 3	Pb (220.353 nm)	N/A		30.5947
5/8/2019 14:15:51	Standard 3	Sb (217.582 nm)	N/A		113.9283
5/8/2019 14:15:51	Standard 3	Se (196.026 nm)	N/A		5.1276
5/8/2019 14:15:51	Standard 3	Sn (189.925 nm)	N/A		74.0817
5/8/2019 14:15:51	Standard 3	Sr (216.596 nm)	N/A	0.0500 (ppm)	535.4819
5/8/2019 14:15:51	Standard 3	Ti (336.122 nm)	N/A	0.0500 (ppm)	12414.0748
5/8/2019 14:15:51	Standard 3	Tl (351.923 nm)	N/A	0.0200 (ppm)	52.3252
5/8/2019 14:15:51	Standard 3	V (292.401 nm)	N/A	0.0500 (ppm)	1652.2024
5/8/2019 14:15:51	Standard 3	Y (360.074 nm)	0.32	1.00 (Ratio)	1002134.70
5/8/2019 14:15:51	Standard 3	Y_R (360.074 nm)	0.31	1.00 (Ratio)	1005674.67
5/8/2019 14:15:51	Standard 3	Zn (213.857 nm)	N/A	0.0200 (ppm)	665.6245
5/8/2019 14:19:10	Standard 4	Ag (328.068 nm)	N/A	0.2000 (ppm)	14852.8413
5/8/2019 14:19:10	Standard 4	Al (394.401 nm)	N/A	4.0000 (ppm)	66208.0672
5/8/2019 14:19:10	Standard 4	As (188.980 nm)	N/A	0.4000 (ppm)	259.9076
5/8/2019 14:19:10	Standard 4	B (249.772 nm)	N/A	1.0000 (ppm)	39359.8109
5/8/2019 14:19:10	Standard 4	Ba (230.424 nm)	N/A	4.0000 (ppm)	206480.6048
5/8/2019 14:19:10	Standard 4	Be (313.107 nm)	N/A	0.1000 (ppm)	137222.7519
5/8/2019 14:19:10	Standard 4	Ca (227.547 nm)	N/A	10.0000 (ppm)	596.4196
5/8/2019 14:19:10	Standard 4	Cd (214.439 nm)	N/A	0.2000 (ppm)	4366.2287
5/8/2019 14:19:10	Standard 4	Co (230.786 nm)	N/A	1.0000 (ppm)	13419.7525
5/8/2019 14:19:10	Standard 4	Cr (267.716 nm)	N/A	0.2000 (ppm)	8705.4377
5/8/2019 14:19:10	Standard 4	Cu (327.395 nm)	N/A	0.5000 (ppm)	32836.2644
5/8/2019 14:19:10	Standard 4	Fe (234.350 nm)	N/A	2.0000 (ppm)	23011.0493
5/8/2019 14:19:10	Standard 4	K (766.491 nm)	N/A	10.0000 (ppm)	35419.5713
5/8/2019 14:19:10	Standard 4	Mg (279.078 nm)	N/A	10.0000 (ppm)	23325.2718
5/8/2019 14:19:10	Standard 4	Mn (257.610 nm)	N/A	0.3000 (ppm)	99288.2435
5/8/2019 14:19:10	Standard 4	Mo (202.032 nm)	N/A	1.0000 (ppm)	5809.3932
5/8/2019 14:19:10	Standard 4	Na (588.995 nm)	N/A	10.0000 (ppm)	498423.9371
5/8/2019 14:19:10	Standard 4	Ni (230.299 nm)	N/A	0.8000 (ppm)	8457.6504
5/8/2019 14:19:10	Standard 4	Pb (220.353 nm)	N/A	0.2000 (ppm)	568.5523
5/8/2019 14:19:10	Standard 4	Sb (217.582 nm)	N/A	2.0000 (ppm)	2357.4797
5/8/2019 14:19:10	Standard 4	Se (196.026 nm)	N/A	0.2000 (ppm)	97.4510
5/8/2019 14:19:10	Standard 4	Sn (189.925 nm)	N/A	2.0000 (ppm)	1499.5288
5/8/2019 14:19:10	Standard 4	Sr (216.596 nm)	N/A	1.0000 (ppm)	10822.6640
5/8/2019 14:19:10	Standard 4	Ti (336.122 nm)	N/A	1.0000 (ppm)	254474.5143
5/8/2019 14:19:10	Standard 4	Tl (351.923 nm)	N/A	0.4000 (ppm)	1187.7675
5/8/2019 14:19:10	Standard 4	V (292.401 nm)	N/A	1.0000 (ppm)	32784.0495

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/8/2019 14:19:10	Standard 4	Y (360.074 nm)	0.66	0.97 (Ratio)	977725.79
5/8/2019 14:19:10	Standard 4	Y_R (360.074 nm)	0.67	0.97 (Ratio)	981206.82
5/8/2019 14:19:10	Standard 4	Zn (213.857 nm)	N/A	0.4000 (ppm)	13735.7336
5/8/2019 14:22:30	Standard 5	Ag (328.068 nm)	N/A	1.0000 (ppm)	76118.9415
5/8/2019 14:22:30	Standard 5	Al (394.401 nm)	N/A	20.0000 (ppm)	352816.6051
5/8/2019 14:22:30	Standard 5	As (188.980 nm)	N/A	2.0000 (ppm)	1333.3029
5/8/2019 14:22:30	Standard 5	B (249.772 nm)	N/A	5.0000 (ppm)	202082.6863
5/8/2019 14:22:30	Standard 5	Ba (230.424 nm)	N/A	20.0000 (ppm)	994071.9618
5/8/2019 14:22:30	Standard 5	Be (313.107 nm)	N/A	0.5000 (ppm)	692556.8475
5/8/2019 14:22:30	Standard 5	Ca (227.547 nm)	N/A	50.0000 (ppm)	3118.4016
5/8/2019 14:22:30	Standard 5	Cd (214.439 nm)	N/A	1.0000 (ppm)	21413.5207
5/8/2019 14:22:30	Standard 5	Co (230.786 nm)	N/A	5.0000 (ppm)	66073.6300
5/8/2019 14:22:30	Standard 5	Cr (267.716 nm)	N/A	1.0000 (ppm)	43281.7919
5/8/2019 14:22:30	Standard 5	Cu (327.395 nm)	N/A	2.5000 (ppm)	168693.2969
5/8/2019 14:22:30	Standard 5	Fe (234.350 nm)	N/A	10.0000 (ppm)	113095.4673
5/8/2019 14:22:30	Standard 5	K (766.491 nm)	N/A	50.0000 (ppm)	187121.1111
5/8/2019 14:22:30	Standard 5	Mg (279.078 nm)	N/A	50.0000 (ppm)	116533.5795
5/8/2019 14:22:30	Standard 5	Mn (257.610 nm)	N/A	1.5000 (ppm)	488698.2209
5/8/2019 14:22:30	Standard 5	Mo (202.032 nm)	N/A	5.0000 (ppm)	29198.5460
5/8/2019 14:22:30	Standard 5	Na (588.995 nm)	N/A	50.0000 (ppm)	2547502.0347
5/8/2019 14:22:30	Standard 5	Ni (230.299 nm)	N/A	4.0000 (ppm)	41481.0332
5/8/2019 14:22:30	Standard 5	Pb (220.353 nm)	N/A	1.0000 (ppm)	2784.0129
5/8/2019 14:22:30	Standard 5	Sb (217.582 nm)	N/A	10.0000 (ppm)	11905.0046
5/8/2019 14:22:30	Standard 5	Se (196.026 nm)	N/A	1.0000 (ppm)	500.4496
5/8/2019 14:22:30	Standard 5	Sn (189.925 nm)	N/A	10.0000 (ppm)	7429.6946
5/8/2019 14:22:30	Standard 5	Sr (216.596 nm)	N/A	5.0000 (ppm)	53031.3557
5/8/2019 14:22:30	Standard 5	Ti (336.122 nm)	N/A	5.0000 (ppm)	1277167.7457
5/8/2019 14:22:30	Standard 5	Tl (351.923 nm)	N/A	2.0000 (ppm)	6124.1688
5/8/2019 14:22:30	Standard 5	V (292.401 nm)	N/A	5.0000 (ppm)	164542.4428
5/8/2019 14:22:30	Standard 5	Y (360.074 nm)	0.65	0.93 (Ratio)	929477.92
5/8/2019 14:22:30	Standard 5	Y_R (360.074 nm)	0.65	0.93 (Ratio)	932861.13
5/8/2019 14:22:30	Standard 5	Zn (213.857 nm)	N/A	2.0000 (ppm)	69488.1492
5/8/2019 14:26:19	Initial Calibration Verification	Ag (328.068 nm)	0.25	0.4936 (ppm)	37485.4813
5/8/2019 14:26:19	Initial Calibration Verification	Al (394.401 nm)	0.44	9.6204 (ppm)	169403.0062
5/8/2019 14:26:19	Initial Calibration Verification	As (188.980 nm)	0.26	0.9813 (ppm)	653.3829
5/8/2019 14:26:19	Initial Calibration Verification	B (249.772 nm)	0.18	2.4617 (ppm)	99405.6790
5/8/2019 14:26:19	Initial Calibration Verification	Ba (230.424 nm)	0.37	10.3064 (ppm)	513031.3119
5/8/2019 14:26:19	Initial Calibration Verification	Be (313.107 nm)	0.16	0.2546 (ppm)	352441.8983
5/8/2019 14:26:19	Initial Calibration Verification	Ca (227.547 nm)	0.52	24.4015 (ppm)	1520.5569
5/8/2019 14:26:19	Initial Calibration Verification	Cd (214.439 nm)	0.25	0.4973 (ppm)	10660.6760
5/8/2019 14:26:19	Initial Calibration Verification	Co (230.786 nm)	0.13	2.6160 (ppm)	34586.5832
5/8/2019 14:26:19	Initial Calibration Verification	Cr (267.716 nm)	0.20	0.5085 (ppm)	22019.2596
5/8/2019 14:26:19	Initial Calibration Verification	Cu (327.395 nm)	0.37	1.2089 (ppm)	81491.7580
5/8/2019 14:26:19	Initial Calibration Verification	Fe (234.350 nm)	0.13	4.9117 (ppm)	55598.3989
5/8/2019 14:26:19	Initial Calibration Verification	K (766.491 nm)	1.06	24.5482 (ppm)	91642.3550
5/8/2019 14:26:19	Initial Calibration Verification	Mg (279.078 nm)	0.13	25.0809 (ppm)	58439.8075
5/8/2019 14:26:19	Initial Calibration Verification	Mn (257.610 nm)	0.11	0.7540 (ppm)	245821.0154
5/8/2019 14:26:19	Initial Calibration Verification	Mo (202.032 nm)	0.17	2.4912 (ppm)	14545.8258
5/8/2019 14:26:19	Initial Calibration Verification	Na (588.995 nm)	0.99	24.5517 (ppm)	1245880.8091
5/8/2019 14:26:19	Initial Calibration Verification	Ni (230.299 nm)	0.14	2.0029 (ppm)	20781.5077
5/8/2019 14:26:19	Initial Calibration Verification	Pb (220.353 nm)	0.48	0.5028 (ppm)	1402.0563

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/8/2019 14:26:19	Initial Calibration Verification	Sb (217.582 nm)	0.25	4.7915 (ppm)	5701.2579
5/8/2019 14:26:19	Initial Calibration Verification	Se (196.026 nm)	0.76	0.4818 (ppm)	241.6101
5/8/2019 14:26:19	Initial Calibration Verification	Sn (189.925 nm)	0.06	4.9973 (ppm)	3713.7291
5/8/2019 14:26:19	Initial Calibration Verification	Sr (216.596 nm)	0.18	2.5507 (ppm)	27073.9320
5/8/2019 14:26:19	Initial Calibration Verification	Ti (336.122 nm)	0.25	2.5131 (ppm)	641783.2183
5/8/2019 14:26:19	Initial Calibration Verification	Tl (351.923 nm)	0.36	1.0092 (ppm)	3083.4521
5/8/2019 14:26:19	Initial Calibration Verification	V (292.401 nm)	0.09	2.5489 (ppm)	83883.8962
5/8/2019 14:26:19	Initial Calibration Verification	Y (360.074 nm)	0.46	0.95 (Ratio)	957278.40
5/8/2019 14:26:19	Initial Calibration Verification	Y_R (360.074 nm)	0.46	0.95 (Ratio)	960611.60
5/8/2019 14:26:19	Initial Calibration Verification	Zn (213.857 nm)	0.09	0.9797 (ppm)	34018.5379
5/8/2019 14:29:37	Initial Calibration Blank	Ag (328.068 nm)	> 100.00	0.0000 u (ppm)	-123.1014
5/8/2019 14:29:37	Initial Calibration Blank	Al (394.401 nm)	12.53	-0.0013 u (ppm)	188.8949
5/8/2019 14:29:37	Initial Calibration Blank	As (188.980 nm)	> 100.00	0.0019 u (ppm)	0.8815
5/8/2019 14:29:37	Initial Calibration Blank	B (249.772 nm)	8.62	0.0018 (ppm)	134.6093
5/8/2019 14:29:37	Initial Calibration Blank	Ba (230.424 nm)	18.25	0.0008 (ppm)	53.1221
5/8/2019 14:29:37	Initial Calibration Blank	Be (313.107 nm)	39.81	0.0000 (ppm)	-276.6909
5/8/2019 14:29:37	Initial Calibration Blank	Ca (227.547 nm)	73.24	-0.0551 u (ppm)	-0.5059
5/8/2019 14:29:37	Initial Calibration Blank	Cd (214.439 nm)	> 100.00	0.0000 u (ppm)	7.4763
5/8/2019 14:29:37	Initial Calibration Blank	Co (230.786 nm)	7.40	0.0004 (ppm)	-3.3544
5/8/2019 14:29:37	Initial Calibration Blank	Cr (267.716 nm)	44.80	-0.0002 u (ppm)	7.6135
5/8/2019 14:29:37	Initial Calibration Blank	Cu (327.395 nm)	67.61	0.0001 (ppm)	17.8869
5/8/2019 14:29:37	Initial Calibration Blank	Fe (234.350 nm)	49.80	0.0008 (ppm)	37.6928
5/8/2019 14:29:37	Initial Calibration Blank	K (766.491 nm)	9.45	0.0352 (ppm)	78.4541
5/8/2019 14:29:37	Initial Calibration Blank	Mg (279.078 nm)	70.26	-0.0014 u (ppm)	9.0587
5/8/2019 14:29:37	Initial Calibration Blank	Mn (257.610 nm)	> 100.00	0.0000 u (ppm)	37.0846
5/8/2019 14:29:37	Initial Calibration Blank	Mo (202.032 nm)	18.97	0.0045 (ppm)	28.7353
5/8/2019 14:29:37	Initial Calibration Blank	Na (588.995 nm)	23.03	0.0079 (ppm)	-8802.8451
5/8/2019 14:29:37	Initial Calibration Blank	Ni (230.299 nm)	> 100.00	0.0002 u (ppm)	-9.7489
5/8/2019 14:29:37	Initial Calibration Blank	Pb (220.353 nm)	> 100.00	-0.0002 u (ppm)	1.5465
5/8/2019 14:29:37	Initial Calibration Blank	Sb (217.582 nm)	39.43	0.0042 (ppm)	3.1855
5/8/2019 14:29:37	Initial Calibration Blank	Se (196.026 nm)	79.69	0.0054 (ppm)	4.3626
5/8/2019 14:29:37	Initial Calibration Blank	Sn (189.925 nm)	> 100.00	0.0010 u (ppm)	-0.0837
5/8/2019 14:29:37	Initial Calibration Blank	Sr (216.596 nm)	62.40	0.0004 (ppm)	2.5353
5/8/2019 14:29:37	Initial Calibration Blank	Ti (336.122 nm)	18.98	0.0016 (ppm)	279.5034
5/8/2019 14:29:37	Initial Calibration Blank	Tl (351.923 nm)	> 100.00	0.0027 (ppm)	0.4906
5/8/2019 14:29:37	Initial Calibration Blank	V (292.401 nm)	46.04	0.0004 (ppm)	53.1114
5/8/2019 14:29:37	Initial Calibration Blank	Y (360.074 nm)	0.41	1.00 (Ratio)	1000277.40
5/8/2019 14:29:37	Initial Calibration Blank	Y_R (360.074 nm)	0.41	1.00 (Ratio)	1003734.29
5/8/2019 14:29:37	Initial Calibration Blank	Zn (213.857 nm)	> 100.00	0.0000 u (ppm)	-6.2740
5/8/2019 14:32:55	Contract Required Detection Limit	Ag (328.068 nm)	2.77	0.0100 (ppm)	643.0698
5/8/2019 14:32:55	Contract Required Detection Limit	Al (394.401 nm)	3.75	0.1825 (ppm)	3420.8901
5/8/2019 14:32:55	Contract Required Detection Limit	As (188.980 nm)	10.39	0.0200 (ppm)	12.9804
5/8/2019 14:32:55	Contract Required Detection Limit	B (249.772 nm)	3.76	0.1883 (ppm)	7662.6207
5/8/2019 14:32:55	Contract Required Detection Limit	Ba (230.424 nm)	4.02	0.2158 (ppm)	10750.9144
5/8/2019 14:32:55	Contract Required Detection Limit	Be (313.107 nm)	3.60	0.0050 (ppm)	6607.7263
5/8/2019 14:32:55	Contract Required Detection Limit	Ca (227.547 nm)	4.59	0.9748 (ppm)	63.5522
5/8/2019 14:32:55	Contract Required Detection Limit	Cd (214.439 nm)	2.23	0.0101 (ppm)	224.1042
5/8/2019 14:32:55	Contract Required Detection Limit	Co (230.786 nm)	3.24	0.0526 (ppm)	685.9568
5/8/2019 14:32:55	Contract Required Detection Limit	Cr (267.716 nm)	2.81	0.0103 (ppm)	462.9945
5/8/2019 14:32:55	Contract Required Detection Limit	Cu (327.395 nm)	3.63	0.0252 (ppm)	1709.9832
5/8/2019 14:32:55	Contract Required Detection Limit	Fe (234.350 nm)	3.69	0.1071 (ppm)	1239.7209

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/8/2019 14:32:55	Contract Required Detection Limit	K (766.491 nm)	3.70	0.9453 (ppm)	3478.1344
5/8/2019 14:32:55	Contract Required Detection Limit	Mg (279.078 nm)	3.58	0.9958 (ppm)	2332.2634
5/8/2019 14:32:55	Contract Required Detection Limit	Mn (257.610 nm)	3.81	0.0159 (ppm)	5230.1476
5/8/2019 14:32:55	Contract Required Detection Limit	Mo (202.032 nm)	4.67	0.0271 (ppm)	160.4653
5/8/2019 14:32:55	Contract Required Detection Limit	Na (588.995 nm)	3.00	1.0154 (ppm)	42699.0951
5/8/2019 14:32:55	Contract Required Detection Limit	Ni (230.299 nm)	3.69	0.0423 (ppm)	427.9240
5/8/2019 14:32:55	Contract Required Detection Limit	Pb (220.353 nm)	9.94	0.0110 (ppm)	32.5550
5/8/2019 14:32:55	Contract Required Detection Limit	Sb (217.582 nm)	3.72	0.0637 (ppm)	73.9731
5/8/2019 14:32:55	Contract Required Detection Limit	Se (196.026 nm)	30.02	0.0081 (ppm)	5.7149
5/8/2019 14:32:55	Contract Required Detection Limit	Sn (189.925 nm)	3.48	0.5057 (ppm)	375.1057
5/8/2019 14:32:55	Contract Required Detection Limit	Sr (216.596 nm)	3.42	0.1041 (ppm)	1103.2335
5/8/2019 14:32:55	Contract Required Detection Limit	Ti (336.122 nm)	3.58	0.0522 (ppm)	13197.0625
5/8/2019 14:32:55	Contract Required Detection Limit	Tl (351.923 nm)	16.99	0.0195 (ppm)	52.1264
5/8/2019 14:32:55	Contract Required Detection Limit	V (292.401 nm)	3.52	0.0513 (ppm)	1726.6399
5/8/2019 14:32:55	Contract Required Detection Limit	Y (360.074 nm)	3.18	0.99 (Ratio)	989718.69
5/8/2019 14:32:55	Contract Required Detection Limit	Y_R (360.074 nm)	3.18	0.99 (Ratio)	993198.96
5/8/2019 14:32:55	Contract Required Detection Limit	Zn (213.857 nm)	3.65	0.0197 (ppm)	677.0417
5/8/2019 14:36:14	Interference Check Solution A	Ag (328.068 nm)	59.57	0.0002 (ppm)	-102.8687
5/8/2019 14:36:14	Interference Check Solution A	Al (394.401 nm)	0.22	267.2727 o (ppm)	4700656.3743
5/8/2019 14:36:14	Interference Check Solution A	As (188.980 nm)	> 100.00	-0.0017 u (ppm)	-1.4998
5/8/2019 14:36:14	Interference Check Solution A	B (249.772 nm)	0.29	0.0453 (ppm)	1888.4681
5/8/2019 14:36:14	Interference Check Solution A	Ba (230.424 nm)	14.49	0.0005 (ppm)	34.1474
5/8/2019 14:36:14	Interference Check Solution A	Be (313.107 nm)	16.87	0.0000 u (ppm)	-371.1580
5/8/2019 14:36:14	Interference Check Solution A	Ca (227.547 nm)	0.24	271.6988 o (ppm)	16901.0229
5/8/2019 14:36:14	Interference Check Solution A	Cd (214.439 nm)	10.35	-0.0007 u (ppm)	-6.7835
5/8/2019 14:36:14	Interference Check Solution A	Co (230.786 nm)	8.13	-0.0026 u (ppm)	-43.7928
5/8/2019 14:36:14	Interference Check Solution A	Cr (267.716 nm)	31.06	0.0004 (ppm)	32.8852
5/8/2019 14:36:14	Interference Check Solution A	Cu (327.395 nm)	72.31	-0.0001 u (ppm)	4.3759
5/8/2019 14:36:14	Interference Check Solution A	Fe (234.350 nm)	0.44	91.4355 o (ppm)	1034512.4523
5/8/2019 14:36:14	Interference Check Solution A	K (766.491 nm)	19.01	0.0965 (ppm)	307.5256
5/8/2019 14:36:14	Interference Check Solution A	Mg (279.078 nm)	0.52	265.3918 o (ppm)	618257.8160
5/8/2019 14:36:14	Interference Check Solution A	Mn (257.610 nm)	2.19	0.0019 (ppm)	653.6292
5/8/2019 14:36:14	Interference Check Solution A	Mo (202.032 nm)	23.27	0.0007 (ppm)	6.2600
5/8/2019 14:36:14	Interference Check Solution A	Na (588.995 nm)	32.01	-0.0046 u (ppm)	-9442.8372
5/8/2019 14:36:14	Interference Check Solution A	Ni (230.299 nm)	72.08	-0.0013 u (ppm)	-24.5666
5/8/2019 14:36:14	Interference Check Solution A	Pb (220.353 nm)	75.85	-0.0027 u (ppm)	-5.5386
5/8/2019 14:36:14	Interference Check Solution A	Sb (217.582 nm)	> 100.00	0.0000 u (ppm)	-1.8603
5/8/2019 14:36:14	Interference Check Solution A	Se (196.026 nm)	> 100.00	-0.0017 u (ppm)	0.8020
5/8/2019 14:36:14	Interference Check Solution A	Sn (189.925 nm)	> 100.00	-0.0003 u (ppm)	-1.0724
5/8/2019 14:36:14	Interference Check Solution A	Sr (216.596 nm)	2.39	0.0188 (ppm)	197.1929
5/8/2019 14:36:14	Interference Check Solution A	Ti (336.122 nm)	1.21	0.0019 (ppm)	346.6916
5/8/2019 14:36:14	Interference Check Solution A	Tl (351.923 nm)	70.05	0.0047 (ppm)	6.8500
5/8/2019 14:36:14	Interference Check Solution A	V (292.401 nm)	11.96	0.0019 (ppm)	103.2951
5/8/2019 14:36:14	Interference Check Solution A	Y (360.074 nm)	0.34	0.87 (Ratio)	874543.33
5/8/2019 14:36:14	Interference Check Solution A	Y_R (360.074 nm)	0.35	0.87 (Ratio)	878141.36
5/8/2019 14:36:14	Interference Check Solution A	Zn (213.857 nm)	2.13	0.0107 K (ppm)	365.4156 K
5/8/2019 14:39:32	Interference Check Solution AB	Ag (328.068 nm)	0.05	0.2136 (ppm)	16155.9441
5/8/2019 14:39:32	Interference Check Solution AB	Al (394.401 nm)	0.18	263.9620 o (ppm)	4642432.1243
5/8/2019 14:39:32	Interference Check Solution AB	As (188.980 nm)	3.74	0.1038 (ppm)	68.8004
5/8/2019 14:39:32	Interference Check Solution AB	B (249.772 nm)	0.08	0.0456 (ppm)	1902.7186
5/8/2019 14:39:32	Interference Check Solution AB	Ba (230.424 nm)	0.29	0.5364 (ppm)	26711.9514

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/8/2019 14:39:32	Interference Check Solution AB	Be (313.107 nm)	0.04	0.5164 (ppm)	715011.1160
5/8/2019 14:39:32	Interference Check Solution AB	Ca (227.547 nm)	0.03	266.8197 o (ppm)	16597.5689
5/8/2019 14:39:32	Interference Check Solution AB	Cd (214.439 nm)	0.27	1.0174 (ppm)	21800.3255
5/8/2019 14:39:32	Interference Check Solution AB	Co (230.786 nm)	0.25	0.5008 (ppm)	6613.7960
5/8/2019 14:39:32	Interference Check Solution AB	Cr (267.716 nm)	0.25	0.5118 (ppm)	22164.6276
5/8/2019 14:39:32	Interference Check Solution AB	Cu (327.395 nm)	0.03	0.5161 (ppm)	34799.8137
5/8/2019 14:39:32	Interference Check Solution AB	Fe (234.350 nm)	0.13	93.4677 o (ppm)	1057504.8241
5/8/2019 14:39:32	Interference Check Solution AB	K (766.491 nm)	10.19	0.0193 (ppm)	19.2796
5/8/2019 14:39:32	Interference Check Solution AB	Mg (279.078 nm)	0.26	271.0908 o (ppm)	631533.9365
5/8/2019 14:39:32	Interference Check Solution AB	Mn (257.610 nm)	0.26	0.5078 (ppm)	165577.0560
5/8/2019 14:39:32	Interference Check Solution AB	Mo (202.032 nm)	38.54	0.0009 (ppm)	7.8587
5/8/2019 14:39:32	Interference Check Solution AB	Na (588.995 nm)	5.49	-0.0217 u (ppm)	-10318.5575
5/8/2019 14:39:32	Interference Check Solution AB	Ni (230.299 nm)	0.12	0.9797 (ppm)	10159.0450
5/8/2019 14:39:32	Interference Check Solution AB	Pb (220.353 nm)	2.15	0.0486 (ppm)	137.2320
5/8/2019 14:39:32	Interference Check Solution AB	Sb (217.582 nm)	0.67	0.6204 (ppm)	736.5078
5/8/2019 14:39:32	Interference Check Solution AB	Se (196.026 nm)	18.47	0.0486 (ppm)	25.8973
5/8/2019 14:39:32	Interference Check Solution AB	Sn (189.925 nm)	> 100.00	0.0030 u (ppm)	1.4123
5/8/2019 14:39:32	Interference Check Solution AB	Sr (216.596 nm)	3.30	0.0197 (ppm)	206.9390
5/8/2019 14:39:32	Interference Check Solution AB	Ti (336.122 nm)	3.09	0.0018 (ppm)	340.2949
5/8/2019 14:39:32	Interference Check Solution AB	Tl (351.923 nm)	3.60	0.1149 (ppm)	344.2908
5/8/2019 14:39:32	Interference Check Solution AB	V (292.401 nm)	0.23	0.5161 (ppm)	17015.3244
5/8/2019 14:39:32	Interference Check Solution AB	Y (360.074 nm)	0.37	0.90 (Ratio)	900990.16
5/8/2019 14:39:32	Interference Check Solution AB	Y_R (360.074 nm)	0.37	0.90 (Ratio)	904672.99
5/8/2019 14:39:32	Interference Check Solution AB	Zn (213.857 nm)	0.12	1.0421 (ppm)	36185.8316
5/8/2019 14:42:51	Continuing Calibration Verification	Ag (328.068 nm)	0.15	0.4929 (ppm)	37431.9097
5/8/2019 14:42:51	Continuing Calibration Verification	Al (394.401 nm)	0.30	9.6493 (ppm)	169911.4423
5/8/2019 14:42:51	Continuing Calibration Verification	As (188.980 nm)	1.04	0.9783 (ppm)	651.4167
5/8/2019 14:42:51	Continuing Calibration Verification	B (249.772 nm)	0.29	2.4696 (ppm)	99724.4162
5/8/2019 14:42:51	Continuing Calibration Verification	Ba (230.424 nm)	0.40	10.3113 (ppm)	513273.5095
5/8/2019 14:42:51	Continuing Calibration Verification	Be (313.107 nm)	0.35	0.2548 (ppm)	352663.4267
5/8/2019 14:42:51	Continuing Calibration Verification	Ca (227.547 nm)	0.10	24.5685 (ppm)	1530.9424
5/8/2019 14:42:51	Continuing Calibration Verification	Cd (214.439 nm)	0.07	0.4970 (ppm)	10654.2720
5/8/2019 14:42:51	Continuing Calibration Verification	Co (230.786 nm)	0.05	2.6089 (ppm)	34493.4507
5/8/2019 14:42:51	Continuing Calibration Verification	Cr (267.716 nm)	0.06	0.5068 (ppm)	21945.1218
5/8/2019 14:42:51	Continuing Calibration Verification	Cu (327.395 nm)	0.39	1.2093 (ppm)	81520.7179
5/8/2019 14:42:51	Continuing Calibration Verification	Fe (234.350 nm)	0.16	4.9262 (ppm)	55762.8055
5/8/2019 14:42:51	Continuing Calibration Verification	K (766.491 nm)	0.65	24.5323 (ppm)	91582.9766
5/8/2019 14:42:51	Continuing Calibration Verification	Mg (279.078 nm)	0.07	25.1097 (ppm)	58506.9225
5/8/2019 14:42:51	Continuing Calibration Verification	Mn (257.610 nm)	0.18	0.7519 (ppm)	245125.2912
5/8/2019 14:42:51	Continuing Calibration Verification	Mo (202.032 nm)	0.16	2.4841 (ppm)	14504.4822
5/8/2019 14:42:51	Continuing Calibration Verification	Na (588.995 nm)	1.16	24.4625 (ppm)	1241317.2602
5/8/2019 14:42:51	Continuing Calibration Verification	Ni (230.299 nm)	0.05	1.9993 (ppm)	20743.6121
5/8/2019 14:42:51	Continuing Calibration Verification	Pb (220.353 nm)	0.32	0.5042 (ppm)	1405.9539
5/8/2019 14:42:51	Continuing Calibration Verification	Sb (217.582 nm)	0.30	4.8027 (ppm)	5714.5794
5/8/2019 14:42:51	Continuing Calibration Verification	Se (196.026 nm)	0.94	0.4909 (ppm)	246.1325
5/8/2019 14:42:51	Continuing Calibration Verification	Sn (189.925 nm)	0.17	4.9896 (ppm)	3708.0251
5/8/2019 14:42:51	Continuing Calibration Verification	Sr (216.596 nm)	0.18	2.5445 (ppm)	27008.1229
5/8/2019 14:42:51	Continuing Calibration Verification	Ti (336.122 nm)	0.38	2.5126 (ppm)	641662.1425
5/8/2019 14:42:51	Continuing Calibration Verification	Tl (351.923 nm)	0.15	1.0146 (ppm)	3099.8789
5/8/2019 14:42:51	Continuing Calibration Verification	V (292.401 nm)	0.08	2.5475 (ppm)	83837.3496
5/8/2019 14:42:51	Continuing Calibration Verification	Y (360.074 nm)	0.59	0.95 (Ratio)	953547.17

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/8/2019 14:42:51	Continuing Calibration Verification	Y_R (360.074 nm)	0.58	0.95 (Ratio)	957200.31
5/8/2019 14:42:51	Continuing Calibration Verification	Zn (213.857 nm)	0.10	0.9782 (ppm)	33967.8329
5/8/2019 14:46:09	Continuing Calibration Blank	Ag (328.068 nm)	> 100.00	0.0000 u (ppm)	-124.2140
5/8/2019 14:46:09	Continuing Calibration Blank	Al (394.401 nm)	8.38	0.0049 (ppm)	298.0149
5/8/2019 14:46:09	Continuing Calibration Blank	As (188.980 nm)	80.53	0.0011 (ppm)	0.3731
5/8/2019 14:46:09	Continuing Calibration Blank	B (249.772 nm)	23.39	0.0010 (ppm)	102.4315
5/8/2019 14:46:09	Continuing Calibration Blank	Ba (230.424 nm)	16.04	0.0008 (ppm)	50.0876
5/8/2019 14:46:09	Continuing Calibration Blank	Be (313.107 nm)	18.36	0.0000 (ppm)	-268.4452
5/8/2019 14:46:09	Continuing Calibration Blank	Ca (227.547 nm)	> 100.00	-0.0005 u (ppm)	2.8933
5/8/2019 14:46:09	Continuing Calibration Blank	Cd (214.439 nm)	> 100.00	0.0000 u (ppm)	7.5938
5/8/2019 14:46:09	Continuing Calibration Blank	Co (230.786 nm)	54.77	0.0004 (ppm)	-4.2827
5/8/2019 14:46:09	Continuing Calibration Blank	Cr (267.716 nm)	4.84	-0.0001 u (ppm)	9.6105
5/8/2019 14:46:09	Continuing Calibration Blank	Cu (327.395 nm)	72.53	0.0001 (ppm)	20.9232
5/8/2019 14:46:09	Continuing Calibration Blank	Fe (234.350 nm)	4.91	0.0044 (ppm)	78.6196
5/8/2019 14:46:09	Continuing Calibration Blank	K (766.491 nm)	22.34	0.0189 (ppm)	17.8045
5/8/2019 14:46:09	Continuing Calibration Blank	Mg (279.078 nm)	9.52	0.0067 (ppm)	27.9369
5/8/2019 14:46:09	Continuing Calibration Blank	Mn (257.610 nm)	25.21	0.0001 (ppm)	58.1448
5/8/2019 14:46:09	Continuing Calibration Blank	Mo (202.032 nm)	14.54	0.0033 (ppm)	21.7718
5/8/2019 14:46:09	Continuing Calibration Blank	Na (588.995 nm)	19.32	0.0070 (ppm)	-8848.8909
5/8/2019 14:46:09	Continuing Calibration Blank	Ni (230.299 nm)	63.03	0.0005 (ppm)	-6.2384
5/8/2019 14:46:09	Continuing Calibration Blank	Pb (220.353 nm)	> 100.00	-0.0006 u (ppm)	0.2405
5/8/2019 14:46:09	Continuing Calibration Blank	Sb (217.582 nm)	> 100.00	0.0012 u (ppm)	-0.4154
5/8/2019 14:46:09	Continuing Calibration Blank	Se (196.026 nm)	> 100.00	-0.0010 u (ppm)	1.1786
5/8/2019 14:46:09	Continuing Calibration Blank	Sn (189.925 nm)	> 100.00	0.0010 u (ppm)	-0.0558
5/8/2019 14:46:09	Continuing Calibration Blank	Sr (216.596 nm)	> 100.00	0.0004 u (ppm)	2.3738
5/8/2019 14:46:09	Continuing Calibration Blank	Ti (336.122 nm)	19.33	0.0013 (ppm)	212.6339
5/8/2019 14:46:09	Continuing Calibration Blank	Tl (351.923 nm)	> 100.00	0.0031 (ppm)	1.7347
5/8/2019 14:46:09	Continuing Calibration Blank	V (292.401 nm)	57.53	0.0003 (ppm)	49.8786
5/8/2019 14:46:09	Continuing Calibration Blank	Y (360.074 nm)	0.27	0.99 (Ratio)	995812.89
5/8/2019 14:46:09	Continuing Calibration Blank	Y_R (360.074 nm)	0.27	0.99 (Ratio)	999307.53
5/8/2019 14:46:09	Continuing Calibration Blank	Zn (213.857 nm)	> 100.00	0.0000 u (ppm)	-7.0785
5/8/2019 14:49:28	PBS-336096	Ag (328.068 nm)	> 100.00	0.0000 u (ppm)	-119.6766
5/8/2019 14:49:28	PBS-336096	Al (394.401 nm)	4.03	0.0053 (ppm)	304.4033
5/8/2019 14:49:28	PBS-336096	As (188.980 nm)	> 100.00	-0.0007 u (ppm)	-0.8623
5/8/2019 14:49:28	PBS-336096	B (249.772 nm)	13.91	0.0008 (ppm)	92.8867
5/8/2019 14:49:28	PBS-336096	Ba (230.424 nm)	17.32	0.0003 (ppm)	27.3113
5/8/2019 14:49:28	PBS-336096	Be (313.107 nm)	23.93	0.0000 (ppm)	-282.1436
5/8/2019 14:49:28	PBS-336096	Ca (227.547 nm)	> 100.00	0.0289 u (ppm)	4.7207
5/8/2019 14:49:28	PBS-336096	Cd (214.439 nm)	> 100.00	0.0000 u (ppm)	9.0817
5/8/2019 14:49:28	PBS-336096	Co (230.786 nm)	36.43	0.0002 (ppm)	-6.4376
5/8/2019 14:49:28	PBS-336096	Cr (267.716 nm)	16.40	0.0004 (ppm)	31.1746
5/8/2019 14:49:28	PBS-336096	Cu (327.395 nm)	35.19	0.0003 (ppm)	32.1970
5/8/2019 14:49:28	PBS-336096	Fe (234.350 nm)	3.03	0.0066 (ppm)	102.4971
5/8/2019 14:49:28	PBS-336096	K (766.491 nm)	0.36	0.2896 (ppm)	1028.8291
5/8/2019 14:49:28	PBS-336096	Mg (279.078 nm)	31.76	0.0042 (ppm)	22.2661
5/8/2019 14:49:28	PBS-336096	Mn (257.610 nm)	8.45	0.0002 (ppm)	87.6863
5/8/2019 14:49:28	PBS-336096	Mo (202.032 nm)	58.90	0.0007 (ppm)	6.3352
5/8/2019 14:49:28	PBS-336096	Na (588.995 nm)	1.65	0.0624 (ppm)	-6018.7355
5/8/2019 14:49:28	PBS-336096	Ni (230.299 nm)	> 100.00	-0.0003 u (ppm)	-14.5418
5/8/2019 14:49:28	PBS-336096	Pb (220.353 nm)	> 100.00	0.0011 u (ppm)	5.0695
5/8/2019 14:49:28	PBS-336096	Sb (217.582 nm)	15.12	0.0011 (ppm)	-0.5646

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/8/2019 14:49:28	PBS-336096	Se (196.026 nm)	> 100.00	0.0028 u (ppm)	3.0656
5/8/2019 14:49:28	PBS-336096	Sn (189.925 nm)	18.80	0.0147 (ppm)	10.0971
5/8/2019 14:49:28	PBS-336096	Sr (216.596 nm)	64.94	0.0003 (ppm)	0.7622
5/8/2019 14:49:28	PBS-336096	Ti (336.122 nm)	6.41	0.0008 (ppm)	84.3917
5/8/2019 14:49:28	PBS-336096	Tl (351.923 nm)	> 100.00	0.0000 u (ppm)	-7.5195
5/8/2019 14:49:28	PBS-336096	V (292.401 nm)	> 100.00	0.0001 u (ppm)	41.6511
5/8/2019 14:49:28	PBS-336096	Y (360.074 nm)	0.73	1.01 (Ratio)	1017905.75
5/8/2019 14:49:28	PBS-336096	Y_R (360.074 nm)	0.73	1.01 (Ratio)	1021445.91
5/8/2019 14:49:28	PBS-336096	Zn (213.857 nm)	0.78	0.0134 (ppm) 0.020U	458.5231
5/8/2019 14:52:46	LCSS-336096	Ag (328.068 nm)	0.16	0.0487 (ppm)	3589.8491
5/8/2019 14:52:46	LCSS-336096	Al (394.401 nm)	0.24	1.8423 (ppm)	32611.3061
5/8/2019 14:52:46	LCSS-336096	As (188.980 nm)	6.21	0.0369 (ppm)	24.2415
5/8/2019 14:52:46	LCSS-336096	B (249.772 nm)	0.10	0.9669 (ppm)	39082.7925
5/8/2019 14:52:46	LCSS-336096	Ba (230.424 nm)	0.36	2.1032 (ppm)	104702.6802
5/8/2019 14:52:46	LCSS-336096	Be (313.107 nm)	0.10	0.0498 (ppm)	68626.6567
5/8/2019 14:52:46	LCSS-336096	Ca (227.547 nm)	2.94	1.9084 (ppm)	121.6136
5/8/2019 14:52:46	LCSS-336096	Cd (214.439 nm)	0.54	0.0512 (ppm)	1104.3880
5/8/2019 14:52:46	LCSS-336096	Co (230.786 nm)	0.09	0.5243 (ppm)	6924.5369
5/8/2019 14:52:46	LCSS-336096	Cr (267.716 nm)	0.12	0.2088 (ppm)	9050.6822
5/8/2019 14:52:46	LCSS-336096	Cu (327.395 nm)	0.47	0.2471 (ppm)	16667.1001
5/8/2019 14:52:46	LCSS-336096	Fe (234.350 nm)	0.13	1.0010 (ppm)	11354.0084
5/8/2019 14:52:46	LCSS-336096	K (766.491 nm)	0.39	19.0207 (ppm)	70995.2770
5/8/2019 14:52:46	LCSS-336096	Mg (279.078 nm)	0.07	1.9683 (ppm)	4597.5858
5/8/2019 14:52:46	LCSS-336096	Mn (257.610 nm)	0.07	0.5102 (ppm)	166349.9549
5/8/2019 14:52:46	LCSS-336096	Mo (202.032 nm)	0.15	0.5090 (ppm)	2973.6995
5/8/2019 14:52:46	LCSS-336096	Na (588.995 nm)	0.48	18.9396 (ppm)	958986.6044
5/8/2019 14:52:46	LCSS-336096	Ni (230.299 nm)	0.10	0.5070 (ppm)	5252.2383
5/8/2019 14:52:46	LCSS-336096	Pb (220.353 nm)	0.61	0.5119 (ppm)	1427.2778
5/8/2019 14:52:46	LCSS-336096	Sb (217.582 nm)	1.16	0.4666 (ppm)	553.5415
5/8/2019 14:52:46	LCSS-336096	Se (196.026 nm)	0.83	0.9594 (ppm)	479.4961
5/8/2019 14:52:46	LCSS-336096	Sn (189.925 nm)	0.14	5.0289 (ppm)	3737.2718
5/8/2019 14:52:46	LCSS-336096	Sr (216.596 nm)	0.29	2.0774 (ppm)	22050.1439
5/8/2019 14:52:46	LCSS-336096	Ti (336.122 nm)	0.06	0.5163 (ppm)	131754.5558
5/8/2019 14:52:46	LCSS-336096	Tl (351.923 nm)	0.27	1.8893 (ppm)	5779.1258
5/8/2019 14:52:46	LCSS-336096	V (292.401 nm)	0.13	0.5076 (ppm)	16736.9294
5/8/2019 14:52:46	LCSS-336096	Y (360.074 nm)	0.88	0.98 (Ratio)	986061.10
5/8/2019 14:52:46	LCSS-336096	Y_R (360.074 nm)	0.87	0.98 (Ratio)	989682.20
5/8/2019 14:52:46	LCSS-336096	Zn (213.857 nm)	0.11	0.4981 (ppm)	17294.1396
5/8/2019 14:56:05	LOD	Ag (328.068 nm)	2.82	0.0049 (ppm)	250.1709
5/8/2019 14:56:05	LOD	Al (394.401 nm)	1.17	0.0876 (ppm)	1752.9035
5/8/2019 14:56:05	LOD	As (188.980 nm)	41.65	0.0041 (ppm)	2.3355
5/8/2019 14:56:05	LOD	B (249.772 nm)	0.30	0.0944 (ppm)	3872.1281
5/8/2019 14:56:05	LOD	Ba (230.424 nm)	0.82	0.0107 (ppm)	542.7530
5/8/2019 14:56:05	LOD	Be (313.107 nm)	0.23	0.0024 (ppm)	3072.8400
5/8/2019 14:56:05	LOD	Ca (227.547 nm)	9.43	0.4503 (ppm)	30.9262
5/8/2019 14:56:05	LOD	Cd (214.439 nm)	5.15	0.0026 (ppm)	63.2232
5/8/2019 14:56:05	LOD	Co (230.786 nm)	0.57	0.0264 (ppm)	340.6155
5/8/2019 14:56:05	LOD	Cr (267.716 nm)	1.79	0.0055 (ppm)	255.1134
5/8/2019 14:56:05	LOD	Cu (327.395 nm)	1.75	0.0101 (ppm)	694.0712
5/8/2019 14:56:05	LOD	Fe (234.350 nm)	0.17	0.2016 (ppm)	2308.8124
5/8/2019 14:56:05	LOD	K (766.491 nm)	0.65	1.2107 (ppm)	4469.5758

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/8/2019 14:56:05	LOD	Mg (279.078 nm)	0.38	0.4925 (ppm)	1159.8335
5/8/2019 14:56:05	LOD	Mn (257.610 nm)	0.33	0.0210 (ppm)	6874.6762
5/8/2019 14:56:05	LOD	Mo (202.032 nm)	0.56	0.0135 (ppm)	81.4072
5/8/2019 14:56:05	LOD	Na (588.995 nm)	0.53	0.5525 (ppm)	19035.1268
5/8/2019 14:56:05	LOD	Ni (230.299 nm)	2.19	0.0198 (ppm)	193.8778
5/8/2019 14:56:05	LOD	Pb (220.353 nm)	3.96	0.0254 (ppm)	72.5959
5/8/2019 14:56:05	LOD	Sb (217.582 nm)	7.75	0.0268 (ppm)	30.0235
5/8/2019 14:56:05	LOD	Se (196.026 nm)	2.09	0.0121 (ppm)	7.7044
5/8/2019 14:56:05	LOD	Sn (189.925 nm)	1.20	0.2607 (ppm)	192.9724
5/8/2019 14:56:05	LOD	Sr (216.596 nm)	0.38	0.0518 (ppm)	547.7424
5/8/2019 14:56:05	LOD	Ti (336.122 nm)	0.37	0.0261 (ppm)	6540.6598
5/8/2019 14:56:05	LOD	Tl (351.923 nm)	11.60	0.0123 (ppm)	29.9334
5/8/2019 14:56:05	LOD	V (292.401 nm)	1.42	0.0252 (ppm)	866.7650
5/8/2019 14:56:05	LOD	Y (360.074 nm)	0.87	1.01 (Ratio)	1015705.89
5/8/2019 14:56:05	LOD	Y_R (360.074 nm)	0.87	1.01 (Ratio)	1019349.95
5/8/2019 14:56:05	LOD	Zn (213.857 nm)	0.75	0.0196 (ppm)	672.9812
5/8/2019 14:59:24	LOQ	Ag (328.068 nm)	1.13	0.0099 (ppm)	630.3133
5/8/2019 14:59:24	LOQ	Al (394.401 nm)	0.27	0.1771 (ppm)	3326.5358
5/8/2019 14:59:24	LOQ	As (188.980 nm)	18.55	0.0109 (ppm)	6.8956
5/8/2019 14:59:24	LOQ	B (249.772 nm)	0.08	0.1911 (ppm)	7773.0068
5/8/2019 14:59:24	LOQ	Ba (230.424 nm)	0.68	0.0211 (ppm)	1062.0413
5/8/2019 14:59:24	LOQ	Be (313.107 nm)	0.19	0.0050 (ppm)	6555.0541
5/8/2019 14:59:24	LOQ	Ca (227.547 nm)	3.49	0.9192 (ppm)	60.0942
5/8/2019 14:59:24	LOQ	Cd (214.439 nm)	1.06	0.0052 (ppm)	118.7843
5/8/2019 14:59:24	LOQ	Co (230.786 nm)	0.82	0.0532 (ppm)	694.8699
5/8/2019 14:59:24	LOQ	Cr (267.716 nm)	0.52	0.0109 (ppm)	488.8968
5/8/2019 14:59:24	LOQ	Cu (327.395 nm)	0.95	0.0199 (ppm)	1353.5001
5/8/2019 14:59:24	LOQ	Fe (234.350 nm)	0.19	0.4027 (ppm)	4583.9357
5/8/2019 14:59:24	LOQ	K (766.491 nm)	0.40	2.1731 (ppm)	8064.4065
5/8/2019 14:59:24	LOQ	Mg (279.078 nm)	0.07	0.9941 (ppm)	2328.2061
5/8/2019 14:59:24	LOQ	Mn (257.610 nm)	0.12	0.0423 (ppm)	13815.3603
5/8/2019 14:59:24	LOQ	Mo (202.032 nm)	0.62	0.0253 (ppm)	150.2401
5/8/2019 14:59:24	LOQ	Na (588.995 nm)	0.54	1.0409 (ppm)	44004.0752
5/8/2019 14:59:24	LOQ	Ni (230.299 nm)	0.59	0.0404 (ppm)	408.0797
5/8/2019 14:59:24	LOQ	Pb (220.353 nm)	1.85	0.0516 (ppm)	145.7593
5/8/2019 14:59:24	LOQ	Sb (217.582 nm)	1.10	0.0588 (ppm)	68.1701
5/8/2019 14:59:24	LOQ	Se (196.026 nm)	21.32	0.0183 (ppm)	10.7686
5/8/2019 14:59:24	LOQ	Sn (189.925 nm)	0.26	0.5175 (ppm)	383.8259
5/8/2019 14:59:24	LOQ	Sr (216.596 nm)	0.60	0.1033 (ppm)	1094.4341
5/8/2019 14:59:24	LOQ	Ti (336.122 nm)	0.12	0.0518 (ppm)	13093.6663
5/8/2019 14:59:24	LOQ	Tl (351.923 nm)	2.64	0.0192 (ppm)	51.2350
5/8/2019 14:59:24	LOQ	V (292.401 nm)	0.27	0.0515 (ppm)	1734.7991
5/8/2019 14:59:24	LOQ	Y (360.074 nm)	0.85	1.01 (Ratio)	1009713.83
5/8/2019 14:59:24	LOQ	Y_R (360.074 nm)	0.84	1.01 (Ratio)	1013425.43
5/8/2019 14:59:24	LOQ	Zn (213.857 nm)	0.38	0.0278 (ppm)	959.8123
5/8/2019 15:02:42	PBW-336053	Ag (328.068 nm)	> 100.00	0.0000 u (ppm)	-122.9719
5/8/2019 15:02:42	PBW-336053	Al (394.401 nm)	15.18	0.0026 (ppm)	257.2294
5/8/2019 15:02:42	PBW-336053	As (188.980 nm)	> 100.00	0.0002 u (ppm)	-0.2253
5/8/2019 15:02:42	PBW-336053	B (249.772 nm)	> 100.00	0.0001 u (ppm)	66.7280
5/8/2019 15:02:42	PBW-336053	Ba (230.424 nm)	> 100.00	0.0000 u (ppm)	9.4079
5/8/2019 15:02:42	PBW-336053	Be (313.107 nm)	24.53	0.0000 u (ppm)	-318.7198

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/8/2019 15:02:42	PBW-336053	Ca (227.547 nm)	31.28	0.0263 (ppm)	4.5603
5/8/2019 15:02:42	PBW-336053	Cd (214.439 nm)	> 100.00	-0.0001 u (ppm)	6.0638
5/8/2019 15:02:42	PBW-336053	Co (230.786 nm)	44.17	0.0004 (ppm)	-4.4884
5/8/2019 15:02:42	PBW-336053	Cr (267.716 nm)	> 100.00	-0.0002 u (ppm)	8.4849
5/8/2019 15:02:42	PBW-336053	Cu (327.395 nm)	38.29	0.0003 (ppm)	31.3686
5/8/2019 15:02:42	PBW-336053	Fe (234.350 nm)	5.96	0.0056 (ppm)	92.1271
5/8/2019 15:02:42	PBW-336053	K (766.491 nm)	1.11	0.2823 (ppm)	1001.4095
5/8/2019 15:02:42	PBW-336053	Mg (279.078 nm)	> 100.00	-0.0019 u (ppm)	8.1019
5/8/2019 15:02:42	PBW-336053	Mn (257.610 nm)	29.51	0.0001 (ppm)	52.1866
5/8/2019 15:02:42	PBW-336053	Mo (202.032 nm)	> 100.00	0.0002 u (ppm)	3.8591
5/8/2019 15:02:42	PBW-336053	Na (588.995 nm)	1.25	0.0529 (ppm)	-6502.7522
5/8/2019 15:02:42	PBW-336053	Ni (230.299 nm)	> 100.00	0.0001 u (ppm)	-10.7072
5/8/2019 15:02:42	PBW-336053	Pb (220.353 nm)	> 100.00	0.0002 u (ppm)	2.5235
5/8/2019 15:02:42	PBW-336053	Sb (217.582 nm)	> 100.00	0.0010 u (ppm)	-0.7130
5/8/2019 15:02:42	PBW-336053	Se (196.026 nm)	> 100.00	-0.0013 u (ppm)	1.0297
5/8/2019 15:02:42	PBW-336053	Sn (189.925 nm)	82.66	0.0015 (ppm)	0.2705
5/8/2019 15:02:42	PBW-336053	Sr (216.596 nm)	> 100.00	0.0000 u (ppm)	-1.4890
5/8/2019 15:02:42	PBW-336053	Ti (336.122 nm)	7.54	0.0008 (ppm)	70.9951
5/8/2019 15:02:42	PBW-336053	Tl (351.923 nm)	> 100.00	0.0018 u (ppm)	-2.0967
5/8/2019 15:02:42	PBW-336053	V (292.401 nm)	> 100.00	-0.0001 u (ppm)	37.3081
5/8/2019 15:02:42	PBW-336053	Y (360.074 nm)	0.34	1.02 (Ratio)	1026814.82
5/8/2019 15:02:42	PBW-336053	Y_R (360.074 nm)	0.33	1.02 (Ratio)	1030549.84
5/8/2019 15:02:42	PBW-336053	Zn (213.857 nm)	0.21	0.0109 (ppm)	369.7420
5/8/2019 15:06:00	LCSW-336053	Ag (328.068 nm)	0.30	0.0504 (ppm)	3718.5680
5/8/2019 15:06:00	LCSW-336053	Al (394.401 nm)	0.20	1.9080 (ppm)	33766.8916
5/8/2019 15:06:00	LCSW-336053	As (188.980 nm)	9.10	0.0353 (ppm)	23.1539
5/8/2019 15:06:00	LCSW-336053	B (249.772 nm)	0.17	1.0265 (ppm)	41488.7403
5/8/2019 15:06:00	LCSW-336053	Ba (230.424 nm)	0.38	2.0943 (ppm)	104258.5123
5/8/2019 15:06:00	LCSW-336053	Be (313.107 nm)	0.17	0.0509 (ppm)	70240.1464
5/8/2019 15:06:00	LCSW-336053	Ca (227.547 nm)	2.50	1.9913 (ppm)	126.7674
5/8/2019 15:06:00	LCSW-336053	Cd (214.439 nm)	0.25	0.0520 (ppm)	1120.9569
5/8/2019 15:06:00	LCSW-336053	Co (230.786 nm)	0.21	0.5259 (ppm)	6945.7357
5/8/2019 15:06:00	LCSW-336053	Cr (267.716 nm)	0.22	0.2064 (ppm)	8947.7906
5/8/2019 15:06:00	LCSW-336053	Cu (327.395 nm)	0.74	0.2493 (ppm)	16818.3134
5/8/2019 15:06:00	LCSW-336053	Fe (234.350 nm)	0.21	1.0025 (ppm)	11371.0082
5/8/2019 15:06:00	LCSW-336053	K (766.491 nm)	0.40	19.5879 (ppm)	73114.2546
5/8/2019 15:06:00	LCSW-336053	Mg (279.078 nm)	0.15	2.0356 (ppm)	4754.4384
5/8/2019 15:06:00	LCSW-336053	Mn (257.610 nm)	0.17	0.5090 (ppm)	165961.7335
5/8/2019 15:06:00	LCSW-336053	Mo (202.032 nm)	0.60	0.5022 (ppm)	2934.2113
5/8/2019 15:06:00	LCSW-336053	Na (588.995 nm)	0.31	19.4640 (ppm)	985797.8395
5/8/2019 15:06:00	LCSW-336053	Ni (230.299 nm)	0.25	0.5107 (ppm)	5290.1722
5/8/2019 15:06:00	LCSW-336053	Pb (220.353 nm)	0.18	0.5244 (ppm)	1462.1949
5/8/2019 15:06:00	LCSW-336053	Sb (217.582 nm)	0.33	0.4829 (ppm)	572.8753
5/8/2019 15:06:00	LCSW-336053	Se (196.026 nm)	0.75	1.0405 (ppm)	519.8688
5/8/2019 15:06:00	LCSW-336053	Sn (189.925 nm)	0.20	5.0307 (ppm)	3738.6131
5/8/2019 15:06:00	LCSW-336053	Sr (216.596 nm)	0.21	2.0639 (ppm)	21906.3983
5/8/2019 15:06:00	LCSW-336053	Ti (336.122 nm)	0.23	0.5133 (ppm)	130978.1252
5/8/2019 15:06:00	LCSW-336053	Tl (351.923 nm)	0.32	1.9653 (ppm)	6011.8739
5/8/2019 15:06:00	LCSW-336053	V (292.401 nm)	0.19	0.5029 (ppm)	16581.5679
5/8/2019 15:06:00	LCSW-336053	Y (360.074 nm)	0.39	0.98 (Ratio)	988062.14
5/8/2019 15:06:00	LCSW-336053	Y_R (360.074 nm)	0.39	0.98 (Ratio)	991871.70

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/8/2019 15:06:00	LCSW-336053	Zn (213.857 nm)	0.31	0.5217 (ppm)	18111.2718
5/8/2019 15:09:19	R1903917-009 10X	Ag (328.068 nm)	76.41	-0.0001 u (ppm)	-124.6863
5/8/2019 15:09:19	R1903917-009 10X	Al (394.401 nm)	0.61	0.0481 (ppm)	1056.9227
5/8/2019 15:09:19	R1903917-009 10X	As (188.980 nm)	> 100.00	-0.0011 u (ppm)	-1.0900
5/8/2019 15:09:19	R1903917-009 10X	B (249.772 nm)	0.05	0.0425 (ppm)	1778.7237
5/8/2019 15:09:19	R1903917-009 10X	Ba (230.424 nm)	0.73	0.0350 (ppm)	1754.9536
5/8/2019 15:09:19	R1903917-009 10X	Be (313.107 nm)	> 100.00	0.0000 u (ppm)	-308.4105
5/8/2019 15:09:19	R1903917-009 10X	Ca (227.547 nm)	0.20	12.1100 (ppm)	756.0928
5/8/2019 15:09:19	R1903917-009 10X	Cd (214.439 nm)	> 100.00	0.0001 u (ppm)	10.8359
5/8/2019 15:09:19	R1903917-009 10X	Co (230.786 nm)	9.19	0.0010 (ppm)	3.7202
5/8/2019 15:09:19	R1903917-009 10X	Cr (267.716 nm)	57.54	-0.0002 u (ppm)	6.5492
5/8/2019 15:09:19	R1903917-009 10X	Cu (327.395 nm)	> 100.00	0.0000 u (ppm)	14.3469
5/8/2019 15:09:19	R1903917-009 10X	Fe (234.350 nm)	0.19	6.0109 (ppm)	68034.6607
5/8/2019 15:09:19	R1903917-009 10X	K (766.491 nm)	0.56	1.9791 (ppm)	7339.5666
5/8/2019 15:09:19	R1903917-009 10X	Mg (279.078 nm)	0.10	4.0789 (ppm)	9514.4741
5/8/2019 15:09:19	R1903917-009 10X	Mn (257.610 nm)	0.13	0.5109 (ppm)	166559.3460
5/8/2019 15:09:19	R1903917-009 10X	Mo (202.032 nm)	17.65	0.0014 (ppm)	10.7755
5/8/2019 15:09:19	R1903917-009 10X	Na (588.995 nm)	0.67	4.6651 (ppm)	229273.8713
5/8/2019 15:09:19	R1903917-009 10X	Ni (230.299 nm)	55.06	-0.0012 u (ppm)	-23.5611
5/8/2019 15:09:19	R1903917-009 10X	Pb (220.353 nm)	63.02	-0.0015 u (ppm)	-2.1470
5/8/2019 15:09:19	R1903917-009 10X	Sb (217.582 nm)	83.70	0.0013 (ppm)	-0.3491
5/8/2019 15:09:19	R1903917-009 10X	Se (196.026 nm)	> 100.00	0.0034 u (ppm)	3.3487
5/8/2019 15:09:19	R1903917-009 10X	Sn (189.925 nm)	36.96	0.0020 (ppm)	0.6653
5/8/2019 15:09:19	R1903917-009 10X	Sr (216.596 nm)	1.13	0.0541 (ppm)	572.1628
5/8/2019 15:09:19	R1903917-009 10X	Ti (336.122 nm)	19.34	0.0039 (ppm)	856.7047
5/8/2019 15:09:19	R1903917-009 10X	Tl (351.923 nm)	64.42	0.0016 (ppm)	-2.5967
5/8/2019 15:09:19	R1903917-009 10X	V (292.401 nm)	37.47	0.0003 (ppm)	48.3050
5/8/2019 15:09:19	R1903917-009 10X	Y (360.074 nm)	0.54	0.99 (Ratio)	992729.88
5/8/2019 15:09:19	R1903917-009 10X	Y_R (360.074 nm)	0.54	0.99 (Ratio)	996330.49
5/8/2019 15:09:19	R1903917-009 10X	Zn (213.857 nm)	6.19	0.0012 (ppm)	34.1138
5/8/2019 15:12:37	R1903917-013 10X	Ag (328.068 nm)	70.88	-0.0001 u (ppm)	-127.2193
5/8/2019 15:12:37	R1903917-013 10X	Al (394.401 nm)	7.17	0.0061 (ppm)	318.6550
5/8/2019 15:12:37	R1903917-013 10X	As (188.980 nm)	> 100.00	-0.0007 u (ppm)	-0.8696
5/8/2019 15:12:37	R1903917-013 10X	B (249.772 nm)	0.13	0.3435 (ppm)	13925.3383
5/8/2019 15:12:37	R1903917-013 10X	Ba (230.424 nm)	0.77	0.1024 (ppm)	5109.7544
5/8/2019 15:12:37	R1903917-013 10X	Be (313.107 nm)	28.85	0.0000 u (ppm)	-326.1953
5/8/2019 15:12:37	R1903917-013 10X	Ca (227.547 nm)	0.06	13.2767 (ppm)	828.6581
5/8/2019 15:12:37	R1903917-013 10X	Cd (214.439 nm)	> 100.00	0.0000 u (ppm)	7.0307
5/8/2019 15:12:37	R1903917-013 10X	Co (230.786 nm)	77.37	0.0005 (ppm)	-2.8275
5/8/2019 15:12:37	R1903917-013 10X	Cr (267.716 nm)	> 100.00	0.0000 u (ppm)	17.3418
5/8/2019 15:12:37	R1903917-013 10X	Cu (327.395 nm)	> 100.00	0.0000 u (ppm)	11.0166
5/8/2019 15:12:37	R1903917-013 10X	Fe (234.350 nm)	0.07	1.5978 (ppm)	18106.1362
5/8/2019 15:12:37	R1903917-013 10X	K (766.491 nm)	0.39	7.6405 (ppm)	28486.9671
5/8/2019 15:12:37	R1903917-013 10X	Mg (279.078 nm)	0.08	7.9167 (ppm)	18454.7686
5/8/2019 15:12:37	R1903917-013 10X	Mn (257.610 nm)	0.11	0.0214 (ppm)	6993.5910
5/8/2019 15:12:37	R1903917-013 10X	Mo (202.032 nm)	> 100.00	-0.0001 u (ppm)	1.9983
5/8/2019 15:12:37	R1903917-013 10X	Na (588.995 nm)	0.85	37.5210 (ppm)	1908872.6813
5/8/2019 15:12:37	R1903917-013 10X	Ni (230.299 nm)	0.34	0.0267 (ppm)	266.0384
5/8/2019 15:12:37	R1903917-013 10X	Pb (220.353 nm)	76.87	-0.0007 u (ppm)	0.0077
5/8/2019 15:12:37	R1903917-013 10X	Sb (217.582 nm)	> 100.00	0.0008 u (ppm)	-0.8926
5/8/2019 15:12:37	R1903917-013 10X	Se (196.026 nm)	92.56	-0.0020 u (ppm)	0.6866

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/8/2019 15:12:37	R1903917-013 10X	Sn (189.925 nm)	53.77	0.0011 (ppm)	-0.0020
5/8/2019 15:12:37	R1903917-013 10X	Sr (216.596 nm)	0.70	0.1515 (ppm)	1606.1837
5/8/2019 15:12:37	R1903917-013 10X	Ti (336.122 nm)	24.12	0.0003 (ppm)	-55.2484
5/8/2019 15:12:37	R1903917-013 10X	Tl (351.923 nm)	58.29	0.0009 (ppm)	-4.9404
5/8/2019 15:12:37	R1903917-013 10X	V (292.401 nm)	31.19	0.0002 (ppm)	45.3559
5/8/2019 15:12:37	R1903917-013 10X	Y (360.074 nm)	0.44	0.97 (Ratio)	973937.03
5/8/2019 15:12:37	R1903917-013 10X	Y_R (360.074 nm)	0.45	0.97 (Ratio)	977492.53
5/8/2019 15:12:37	R1903917-013 10X	Zn (213.857 nm)	14.97	0.0007 (ppm)	15.3808
5/8/2019 15:15:56	R1903917-013L 10X	Ag (328.068 nm)	79.60	-0.0001 u (ppm)	-125.8613
5/8/2019 15:15:56	R1903917-013L 10X	Al (394.401 nm)	> 100.00	-0.0004 u (ppm)	204.6971
5/8/2019 15:15:56	R1903917-013L 10X	As (188.980 nm)	> 100.00	0.0024 u (ppm)	1.2492
5/8/2019 15:15:56	R1903917-013L 10X	B (249.772 nm)	0.21	0.0657 (ppm)	2713.7219
5/8/2019 15:15:56	R1903917-013L 10X	Ba (230.424 nm)	0.91	0.0201 (ppm)	1012.8550
5/8/2019 15:15:56	R1903917-013L 10X	Be (313.107 nm)	> 100.00	0.0000 u (ppm)	-311.9603
5/8/2019 15:15:56	R1903917-013L 10X	Ca (227.547 nm)	0.49	2.4776 (ppm)	157.0154
5/8/2019 15:15:56	R1903917-013L 10X	Cd (214.439 nm)	> 100.00	0.0000 u (ppm)	8.0676
5/8/2019 15:15:56	R1903917-013L 10X	Co (230.786 nm)	54.87	0.0003 (ppm)	-5.1693
5/8/2019 15:15:56	R1903917-013L 10X	Cr (267.716 nm)	> 100.00	0.0000 u (ppm)	13.2641
5/8/2019 15:15:56	R1903917-013L 10X	Cu (327.395 nm)	> 100.00	0.0000 u (ppm)	9.3154
5/8/2019 15:15:56	R1903917-013L 10X	Fe (234.350 nm)	0.18	0.3164 (ppm)	3608.4887
5/8/2019 15:15:56	R1903917-013L 10X	K (766.491 nm)	0.73	1.4439 (ppm)	5340.3958
5/8/2019 15:15:56	R1903917-013L 10X	Mg (279.078 nm)	0.08	1.5610 (ppm)	3648.9265
5/8/2019 15:15:56	R1903917-013L 10X	Mn (257.610 nm)	0.42	0.0043 (ppm)	1419.2318
5/8/2019 15:15:56	R1903917-013L 10X	Mo (202.032 nm)	> 100.00	-0.0001 u (ppm)	1.6901
5/8/2019 15:15:56	R1903917-013L 10X	Na (588.995 nm)	0.80	7.5074 (ppm)	374574.2605
5/8/2019 15:15:56	R1903917-013L 10X	Ni (230.299 nm)	3.82	0.0055 (ppm)	45.8883
5/8/2019 15:15:56	R1903917-013L 10X	Pb (220.353 nm)	> 100.00	-0.0001 u (ppm)	1.6091
5/8/2019 15:15:56	R1903917-013L 10X	Sb (217.582 nm)	> 100.00	-0.0002 u (ppm)	-2.1106
5/8/2019 15:15:56	R1903917-013L 10X	Se (196.026 nm)	96.68	-0.0031 u (ppm)	0.1161
5/8/2019 15:15:56	R1903917-013L 10X	Sn (189.925 nm)	> 100.00	0.0000 u (ppm)	-0.8011
5/8/2019 15:15:56	R1903917-013L 10X	Sr (216.596 nm)	0.33	0.0300 (ppm)	316.6326
5/8/2019 15:15:56	R1903917-013L 10X	Ti (336.122 nm)	89.63	0.0000 (ppm)	-119.8504
5/8/2019 15:15:56	R1903917-013L 10X	Tl (351.923 nm)	> 100.00	-0.0008 u (ppm)	-10.1152
5/8/2019 15:15:56	R1903917-013L 10X	V (292.401 nm)	> 100.00	0.0000 u (ppm)	38.5664
5/8/2019 15:15:56	R1903917-013L 10X	Y (360.074 nm)	0.53	0.99 (Ratio)	995676.55
5/8/2019 15:15:56	R1903917-013L 10X	Y_R (360.074 nm)	0.53	0.99 (Ratio)	999332.65
5/8/2019 15:15:56	R1903917-013L 10X	Zn (213.857 nm)	4.12	0.0004 (ppm)	7.8907
5/8/2019 15:19:15	PBW-336057	Ag (328.068 nm)	> 100.00	0.0000 (ppm)	-118.0680
5/8/2019 15:19:15	PBW-336057	Al (394.401 nm)	13.28	-0.0012 u (ppm)	190.3643
5/8/2019 15:19:15	PBW-336057	As (188.980 nm)	> 100.00	0.0015 (ppm)	0.6340
5/8/2019 15:19:15	PBW-336057	B (249.772 nm)	32.07	-0.0004 u (ppm)	43.6232
5/8/2019 15:19:15	PBW-336057	Ba (230.424 nm)	3.70	-0.0002 u (ppm)	1.9191
5/8/2019 15:19:15	PBW-336057	Be (313.107 nm)	38.85	0.0000 u (ppm)	-316.4140
5/8/2019 15:19:15	PBW-336057	Ca (227.547 nm)	70.89	-0.0237 u (ppm)	1.4472
5/8/2019 15:19:15	PBW-336057	Cd (214.439 nm)	61.39	-0.0001 u (ppm)	5.7824
5/8/2019 15:19:15	PBW-336057	Co (230.786 nm)	33.01	0.0005 (ppm)	-2.0837
5/8/2019 15:19:15	PBW-336057	Cr (267.716 nm)	7.19	-0.0002 u (ppm)	7.7717
5/8/2019 15:19:15	PBW-336057	Cu (327.395 nm)	> 100.00	-0.0001 u (ppm)	2.2962
5/8/2019 15:19:15	PBW-336057	Fe (234.350 nm)	45.38	-0.0005 u (ppm)	23.1513
5/8/2019 15:19:15	PBW-336057	K (766.491 nm)	10.50	0.0111 (ppm)	-11.3857
5/8/2019 15:19:15	PBW-336057	Mg (279.078 nm)	19.06	-0.0036 u (ppm)	4.0912

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/8/2019 15:19:15	PBW-336057	Mn (257.610 nm)	19.51	0.0000 u (ppm)	21.2079
5/8/2019 15:19:15	PBW-336057	Mo (202.032 nm)	> 100.00	-0.0001 u (ppm)	1.9919
5/8/2019 15:19:15	PBW-336057	Na (588.995 nm)	24.85	0.0139 (ppm)	-8495.5857
5/8/2019 15:19:15	PBW-336057	Ni (230.299 nm)	94.39	0.0001 u (ppm)	-9.9004
5/8/2019 15:19:15	PBW-336057	Pb (220.353 nm)	> 100.00	0.0001 u (ppm)	2.3081
5/8/2019 15:19:15	PBW-336057	Sb (217.582 nm)	> 100.00	-0.0001 u (ppm)	-1.9656
5/8/2019 15:19:15	PBW-336057	Se (196.026 nm)	> 100.00	0.0005 u (ppm)	1.9270
5/8/2019 15:19:15	PBW-336057	Sn (189.925 nm)	> 100.00	0.0001 u (ppm)	-0.7474
5/8/2019 15:19:15	PBW-336057	Sr (216.596 nm)	> 100.00	0.0000 (ppm)	-1.4026
5/8/2019 15:19:15	PBW-336057	Ti (336.122 nm)	23.50	0.0003 (ppm)	-64.6239
5/8/2019 15:19:15	PBW-336057	Tl (351.923 nm)	> 100.00	0.0000 u (ppm)	-7.7649
5/8/2019 15:19:15	PBW-336057	V (292.401 nm)	34.16	0.0001 (ppm)	43.9572
5/8/2019 15:19:15	PBW-336057	Y (360.074 nm)	0.81	1.01 (Ratio)	1016399.52
5/8/2019 15:19:15	PBW-336057	Y_R (360.074 nm)	0.81	1.01 (Ratio)	1020137.88
5/8/2019 15:19:15	PBW-336057	Zn (213.857 nm)	10.65	0.0001 (ppm)	-3.7359
5/8/2019 15:22:34	Continuing Calibration Verification	Ag (328.068 nm)	0.38	0.4920 (ppm)	37364.9998
5/8/2019 15:22:34	Continuing Calibration Verification	Al (394.401 nm)	0.51	9.6340 (ppm)	169642.7696
5/8/2019 15:22:34	Continuing Calibration Verification	As (188.980 nm)	0.32	0.9655 (ppm)	642.8850
5/8/2019 15:22:34	Continuing Calibration Verification	B (249.772 nm)	0.16	2.4721 (ppm)	99825.8060
5/8/2019 15:22:34	Continuing Calibration Verification	Ba (230.424 nm)	0.01	10.2490 (ppm)	510172.7916
5/8/2019 15:22:34	Continuing Calibration Verification	Be (313.107 nm)	0.41	0.2535 (ppm)	350852.0989
5/8/2019 15:22:34	Continuing Calibration Verification	Ca (227.547 nm)	0.61	24.6234 (ppm)	1534.3547
5/8/2019 15:22:34	Continuing Calibration Verification	Cd (214.439 nm)	0.29	0.4938 (ppm)	10585.9785
5/8/2019 15:22:34	Continuing Calibration Verification	Co (230.786 nm)	0.38	2.5986 (ppm)	34356.9918
5/8/2019 15:22:34	Continuing Calibration Verification	Cr (267.716 nm)	0.23	0.5047 (ppm)	21854.9553
5/8/2019 15:22:34	Continuing Calibration Verification	Cu (327.395 nm)	0.60	1.2078 (ppm)	81419.9104
5/8/2019 15:22:34	Continuing Calibration Verification	Fe (234.350 nm)	0.25	4.8836 (ppm)	55280.9870
5/8/2019 15:22:34	Continuing Calibration Verification	K (766.491 nm)	0.84	24.5568 (ppm)	91674.6061
5/8/2019 15:22:34	Continuing Calibration Verification	Mg (279.078 nm)	0.22	24.9985 (ppm)	58247.9406
5/8/2019 15:22:34	Continuing Calibration Verification	Mn (257.610 nm)	0.22	0.7485 (ppm)	244033.4619
5/8/2019 15:22:34	Continuing Calibration Verification	Mo (202.032 nm)	0.42	2.4739 (ppm)	14445.2142
5/8/2019 15:22:34	Continuing Calibration Verification	Na (588.995 nm)	1.19	24.4837 (ppm)	1242403.7995
5/8/2019 15:22:34	Continuing Calibration Verification	Ni (230.299 nm)	0.29	1.9877 (ppm)	20623.9029
5/8/2019 15:22:34	Continuing Calibration Verification	Pb (220.353 nm)	0.17	0.4996 (ppm)	1392.9479
5/8/2019 15:22:34	Continuing Calibration Verification	Sb (217.582 nm)	0.58	4.8092 (ppm)	5722.2955
5/8/2019 15:22:34	Continuing Calibration Verification	Se (196.026 nm)	1.14	0.4852 (ppm)	243.3096
5/8/2019 15:22:34	Continuing Calibration Verification	Sn (189.925 nm)	0.24	4.9446 (ppm)	3674.6067
5/8/2019 15:22:34	Continuing Calibration Verification	Sr (216.596 nm)	0.30	2.5311 (ppm)	26865.3916
5/8/2019 15:22:34	Continuing Calibration Verification	Ti (336.122 nm)	0.24	2.5192 (ppm)	643338.5010
5/8/2019 15:22:34	Continuing Calibration Verification	Tl (351.923 nm)	0.48	1.0086 (ppm)	3081.5113
5/8/2019 15:22:34	Continuing Calibration Verification	V (292.401 nm)	0.25	2.5335 (ppm)	83378.8733
5/8/2019 15:22:34	Continuing Calibration Verification	Y (360.074 nm)	0.60	0.95 (Ratio)	955382.62
5/8/2019 15:22:34	Continuing Calibration Verification	Y_R (360.074 nm)	0.60	0.95 (Ratio)	959006.98
5/8/2019 15:22:34	Continuing Calibration Verification	Zn (213.857 nm)	0.32	0.9757 (ppm)	33881.7644
5/8/2019 15:25:53	Continuing Calibration Blank	Ag (328.068 nm)	> 100.00	0.0000 u (ppm)	-119.1203
5/8/2019 15:25:53	Continuing Calibration Blank	Al (394.401 nm)	15.18	-0.0023 u (ppm)	171.5703
5/8/2019 15:25:53	Continuing Calibration Blank	As (188.980 nm)	40.83	0.0036 (ppm)	2.0396
5/8/2019 15:25:53	Continuing Calibration Blank	B (249.772 nm)	15.51	0.0006 (ppm)	85.8419
5/8/2019 15:25:53	Continuing Calibration Blank	Ba (230.424 nm)	30.98	0.0005 (ppm)	37.4657
5/8/2019 15:25:53	Continuing Calibration Blank	Be (313.107 nm)	20.94	0.0000 (ppm)	-293.3211
5/8/2019 15:25:53	Continuing Calibration Blank	Ca (227.547 nm)	> 100.00	-0.0031 u (ppm)	2.7319

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/8/2019 15:25:53	Continuing Calibration Blank	Cd (214.439 nm)	60.06	0.0001 (ppm)	10.2868
5/8/2019 15:25:53	Continuing Calibration Blank	Co (230.786 nm)	42.27	0.0003 (ppm)	-4.5635
5/8/2019 15:25:53	Continuing Calibration Blank	Cr (267.716 nm)	> 100.00	-0.0001 u (ppm)	12.3234
5/8/2019 15:25:53	Continuing Calibration Blank	Cu (327.395 nm)	72.92	0.0001 (ppm)	15.9723
5/8/2019 15:25:53	Continuing Calibration Blank	Fe (234.350 nm)	67.36	0.0004 (ppm)	32.6089
5/8/2019 15:25:53	Continuing Calibration Blank	K (766.491 nm)	17.37	0.0189 (ppm)	17.6007
5/8/2019 15:25:53	Continuing Calibration Blank	Mg (279.078 nm)	40.22	-0.0021 u (ppm)	7.5051
5/8/2019 15:25:53	Continuing Calibration Blank	Mn (257.610 nm)	44.91	0.0000 (ppm)	48.2084
5/8/2019 15:25:53	Continuing Calibration Blank	Mo (202.032 nm)	13.27	0.0037 (ppm)	23.7379
5/8/2019 15:25:53	Continuing Calibration Blank	Na (588.995 nm)	9.85	0.0079 (ppm)	-8803.4226
5/8/2019 15:25:53	Continuing Calibration Blank	Ni (230.299 nm)	> 100.00	0.0001 u (ppm)	-9.9324
5/8/2019 15:25:53	Continuing Calibration Blank	Pb (220.353 nm)	47.67	-0.0011 u (ppm)	-1.0723
5/8/2019 15:25:53	Continuing Calibration Blank	Sb (217.582 nm)	> 100.00	0.0017 u (ppm)	0.1402
5/8/2019 15:25:53	Continuing Calibration Blank	Se (196.026 nm)	> 100.00	0.0038 u (ppm)	3.5574
5/8/2019 15:25:53	Continuing Calibration Blank	Sn (189.925 nm)	> 100.00	0.0002 u (ppm)	-0.6471
5/8/2019 15:25:53	Continuing Calibration Blank	Sr (216.596 nm)	57.97	0.0003 (ppm)	1.6672
5/8/2019 15:25:53	Continuing Calibration Blank	Ti (336.122 nm)	18.86	0.0013 (ppm)	202.8873
5/8/2019 15:25:53	Continuing Calibration Blank	Tl (351.923 nm)	> 100.00	0.0003 u (ppm)	-6.5870
5/8/2019 15:25:53	Continuing Calibration Blank	V (292.401 nm)	64.11	0.0002 (ppm)	44.4897
5/8/2019 15:25:53	Continuing Calibration Blank	Y (360.074 nm)	0.57	1.00 (Ratio)	1000688.42
5/8/2019 15:25:53	Continuing Calibration Blank	Y_R (360.074 nm)	0.56	1.00 (Ratio)	1004165.77
5/8/2019 15:25:53	Continuing Calibration Blank	Zn (213.857 nm)	> 100.00	0.0000 u (ppm)	-5.8739
5/8/2019 15:29:12	LCSW-336057	Ag (328.068 nm)	0.22	0.0505 (ppm)	3729.0356
5/8/2019 15:29:12	LCSW-336057	Al (394.401 nm)	0.27	1.9071 (ppm)	33751.0558
5/8/2019 15:29:12	LCSW-336057	As (188.980 nm)	7.16	0.0407 (ppm)	26.7538
5/8/2019 15:29:12	LCSW-336057	B (249.772 nm)	0.25	1.0274 (ppm)	41525.6932
5/8/2019 15:29:12	LCSW-336057	Ba (230.424 nm)	0.39	2.1032 (ppm)	104699.1093
5/8/2019 15:29:12	LCSW-336057	Be (313.107 nm)	0.29	0.0511 (ppm)	70451.3912
5/8/2019 15:29:12	LCSW-336057	Ca (227.547 nm)	1.43	1.9329 (ppm)	123.1405
5/8/2019 15:29:12	LCSW-336057	Cd (214.439 nm)	1.03	0.0524 (ppm)	1130.0615
5/8/2019 15:29:12	LCSW-336057	Co (230.786 nm)	0.22	0.5272 (ppm)	6963.1630
5/8/2019 15:29:12	LCSW-336057	Cr (267.716 nm)	0.28	0.2070 (ppm)	8973.5394
5/8/2019 15:29:12	LCSW-336057	Cu (327.395 nm)	0.31	0.2484 (ppm)	16754.1285
5/8/2019 15:29:12	LCSW-336057	Fe (234.350 nm)	0.30	1.0014 (ppm)	11357.6777
5/8/2019 15:29:12	LCSW-336057	K (766.491 nm)	0.13	19.2466 (ppm)	71839.1447
5/8/2019 15:29:12	LCSW-336057	Mg (279.078 nm)	0.23	2.0435 (ppm)	4772.8767
5/8/2019 15:29:12	LCSW-336057	Mn (257.610 nm)	0.41	0.5104 (ppm)	166402.4832
5/8/2019 15:29:12	LCSW-336057	Mo (202.032 nm)	0.84	0.5055 (ppm)	2953.7392
5/8/2019 15:29:12	LCSW-336057	Na (588.995 nm)	0.26	19.3225 (ppm)	978563.2806
5/8/2019 15:29:12	LCSW-336057	Ni (230.299 nm)	0.41	0.5155 (ppm)	5339.8726
5/8/2019 15:29:12	LCSW-336057	Pb (220.353 nm)	0.37	0.5273 (ppm)	1470.1607
5/8/2019 15:29:12	LCSW-336057	Sb (217.582 nm)	0.28	0.4691 (ppm)	580.2780
5/8/2019 15:29:12	LCSW-336057	Se (196.026 nm)	0.16	1.0497 (ppm)	524.4316
5/8/2019 15:29:12	LCSW-336057	Sn (189.925 nm)	0.45	5.0703 (ppm)	3768.0144
5/8/2019 15:29:12	LCSW-336057	Sr (216.596 nm)	0.64	2.0910 (ppm)	22193.6422
5/8/2019 15:29:12	LCSW-336057	Ti (336.122 nm)	0.09	0.5146 (ppm)	131302.6846
5/8/2019 15:29:12	LCSW-336057	Tl (351.923 nm)	0.17	1.9814 (ppm)	6061.3059
5/8/2019 15:29:12	LCSW-336057	V (292.401 nm)	0.42	0.5034 (ppm)	16598.7686
5/8/2019 15:29:12	LCSW-336057	Y (360.074 nm)	0.24	0.98 (Ratio)	983895.04
5/8/2019 15:29:12	LCSW-336057	Y_R (360.074 nm)	0.24	0.98 (Ratio)	987374.76
5/8/2019 15:29:12	LCSW-336057	Zn (213.857 nm)	0.64	0.5121 (ppm)	17778.6978

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/8/2019 15:32:31	DLCSW-336057	Ag (328.068 nm)	0.22	0.0503 (ppm)	3708.6245
5/8/2019 15:32:31	DLCSW-336057	Al (394.401 nm)	0.20	1.9026 (ppm)	33671.4465
5/8/2019 15:32:31	DLCSW-336057	As (188.980 nm)	5.00	0.0402 (ppm)	26.3780
5/8/2019 15:32:31	DLCSW-336057	B (249.772 nm)	0.08	1.0260 (ppm)	41466.7191
5/8/2019 15:32:31	DLCSW-336057	Ba (230.424 nm)	0.44	2.0968 (ppm)	104384.7343
5/8/2019 15:32:31	DLCSW-336057	Be (313.107 nm)	0.23	0.0509 (ppm)	70217.4212
5/8/2019 15:32:31	DLCSW-336057	Ca (227.547 nm)	2.16	1.9046 (ppm)	121.3797
5/8/2019 15:32:31	DLCSW-336057	Cd (214.439 nm)	0.06	0.0522 (ppm)	1125.7066
5/8/2019 15:32:31	DLCSW-336057	Co (230.786 nm)	0.09	0.5249 (ppm)	6932.5062
5/8/2019 15:32:31	DLCSW-336057	Cr (267.716 nm)	0.18	0.2063 (ppm)	8942.7841
5/8/2019 15:32:31	DLCSW-336057	Cu (327.395 nm)	0.07	0.2477 (ppm)	16706.1389
5/8/2019 15:32:31	DLCSW-336057	Fe (234.350 nm)	0.22	0.9966 (ppm)	11303.7301
5/8/2019 15:32:31	DLCSW-336057	K (766.491 nm)	0.10	19.2301 (ppm)	71777.7949
5/8/2019 15:32:31	DLCSW-336057	Mg (279.078 nm)	0.20	2.0367 (ppm)	4756.9551
5/8/2019 15:32:31	DLCSW-336057	Mn (257.610 nm)	0.16	0.5087 (ppm)	165857.0887
5/8/2019 15:32:31	DLCSW-336057	Mo (202.032 nm)	0.43	0.5047 (ppm)	2948.9111
5/8/2019 15:32:31	DLCSW-336057	Na (588.995 nm)	0.08	19.2548 (ppm)	975101.4606
5/8/2019 15:32:31	DLCSW-336057	Ni (230.299 nm)	0.26	0.5134 (ppm)	5317.8432
5/8/2019 15:32:31	DLCSW-336057	Pb (220.353 nm)	0.58	0.5229 (ppm)	1457.9414
5/8/2019 15:32:31	DLCSW-336057	Sb (217.582 nm)	0.78	0.4887 (ppm)	579.7748
5/8/2019 15:32:31	DLCSW-336057	Se (196.026 nm)	0.61	1.0479 (ppm)	523.5609
5/8/2019 15:32:31	DLCSW-336057	Sn (189.925 nm)	0.34	5.0301 (ppm)	3738.1152
5/8/2019 15:32:31	DLCSW-336057	Sr (216.596 nm)	0.45	2.0873 (ppm)	22155.3234
5/8/2019 15:32:31	DLCSW-336057	Ti (336.122 nm)	0.12	0.5121 (ppm)	130669.3398
5/8/2019 15:32:31	DLCSW-336057	Tl (351.923 nm)	0.10	1.9754 (ppm)	6042.7513
5/8/2019 15:32:31	DLCSW-336057	V (292.401 nm)	0.22	0.5016 (ppm)	16537.9368
5/8/2019 15:32:31	DLCSW-336057	Y (360.074 nm)	0.31	0.98 (Ratio)	981431.12
5/8/2019 15:32:31	DLCSW-336057	Y_R (360.074 nm)	0.31	0.98 (Ratio)	985027.97
5/8/2019 15:32:31	DLCSW-336057	Zn (213.857 nm)	0.15	0.5105 (ppm)	17724.5987
5/8/2019 15:35:50	R1903918-001	Ag (328.068 nm)	> 100.00	0.0000 u (ppm)	-122.5317
5/8/2019 15:35:50	R1903918-001	Al (394.401 nm)	1.07	0.2772 (ppm)	5086.0292
5/8/2019 15:35:50	R1903918-001	As (188.980 nm)	3.66	0.0670 (ppm)	44.2469
5/8/2019 15:35:50	R1903918-001	B (249.772 nm)	0.21	15.3789 o (ppm)	620699.2519
5/8/2019 15:35:50	R1903918-001	Ba (230.424 nm)	0.35	1.6217 (ppm)	80734.3606
5/8/2019 15:35:50	R1903918-001	Be (313.107 nm)	11.27	0.0000 (ppm)	-269.8482
5/8/2019 15:35:50	R1903918-001	Ca (227.547 nm)	0.08	325.4526 o (ppm)	20244.1980
5/8/2019 15:35:50	R1903918-001	Cd (214.439 nm)	48.04	-0.0003 u (ppm)	2.2568
5/8/2019 15:35:50	R1903918-001	Co (230.786 nm)	9.70	0.0020 (ppm)	17.7303
5/8/2019 15:35:50	R1903918-001	Cr (267.716 nm)	0.39	0.0718 (ppm)	3124.0573
5/8/2019 15:35:50	R1903918-001	Cu (327.395 nm)	5.54	0.0035 (ppm)	249.5505
5/8/2019 15:35:50	R1903918-001	Fe (234.350 nm)	0.21	1.4213 (ppm)	16108.7174
5/8/2019 15:35:50	R1903918-001	K (766.491 nm)	0.21	168.4096 o (ppm)	629010.5360
5/8/2019 15:35:50	R1903918-001	Mg (279.078 nm)	0.53	253.2208 o (ppm)	589904.6177
5/8/2019 15:35:50	R1903918-001	Mn (257.610 nm)	0.42	3.3917 o (ppm)	1105629.0049
5/8/2019 15:35:50	R1903918-001	Mo (202.032 nm)	12.06	0.0028 (ppm)	18.5757
5/8/2019 15:35:50	R1903918-001	Na (588.995 nm)	N/A	#### (ppm)	####
5/8/2019 15:35:50	R1903918-001	Ni (230.299 nm)	8.15	-0.0059 u (ppm)	-73.0142
5/8/2019 15:35:50	R1903918-001	Pb (220.353 nm)	41.29	-0.0013 u (ppm)	-1.7256
5/8/2019 15:35:50	R1903918-001	Sb (217.582 nm)	> 100.00	0.0030 (ppm)	1.7056
5/8/2019 15:35:50	R1903918-001	Se (196.026 nm)	48.40	-0.0079 u (ppm)	-2.2403
5/8/2019 15:35:50	R1903918-001	Sn (189.925 nm)	> 100.00	-0.0013 u (ppm)	-1.7970

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/8/2019 15:35:50	R1903918-001	Sr (216.596 nm)	0.47	3.8893 (ppm)	41283.6855
5/8/2019 15:35:50	R1903918-001	Ti (336.122 nm)	1.08	0.0530 (ppm)	13397.9295
5/8/2019 15:35:50	R1903918-001	Tl (351.923 nm)	13.63	0.0109 (ppm)	25.7611
5/8/2019 15:35:50	R1903918-001	V (292.401 nm)	0.73	0.0276 (ppm)	948.9796
5/8/2019 15:35:50	R1903918-001	Y (360.074 nm)	0.38	0.83 (Ratio)	836828.51
5/8/2019 15:35:50	R1903918-001	Y_R (360.074 nm)	0.38	0.83 (Ratio)	840283.87
5/8/2019 15:35:50	R1903918-001	Zn (213.857 nm)	0.52	0.0104 (ppm)	354.9554
5/8/2019 15:39:09	R1903918-001L	Ag (328.068 nm)	> 100.00	0.0000 u (ppm)	-124.3799
5/8/2019 15:39:09	R1903918-001L	Al (394.401 nm)	1.08	0.0591 (ppm)	1250.9248
5/8/2019 15:39:09	R1903918-001L	As (188.980 nm)	34.84	0.0116 (ppm)	7.3834
5/8/2019 15:39:09	R1903918-001L	B (249.772 nm)	0.05	2.8888 (ppm)	116642.1279
5/8/2019 15:39:09	R1903918-001L	Ba (230.424 nm)	0.75	0.3323 (ppm)	16550.7975
5/8/2019 15:39:09	R1903918-001L	Be (313.107 nm)	> 100.00	0.0000 u (ppm)	-300.0330
5/8/2019 15:39:09	R1903918-001L	Ca (227.547 nm)	0.18	58.9287 o (ppm)	3667.9451
5/8/2019 15:39:09	R1903918-001L	Cd (214.439 nm)	71.14	-0.0002 u (ppm)	3.6475
5/8/2019 15:39:09	R1903918-001L	Co (230.786 nm)	34.34	0.0009 (ppm)	3.1410
5/8/2019 15:39:09	R1903918-001L	Cr (267.716 nm)	0.62	0.0145 (ppm)	644.7632
5/8/2019 15:39:09	R1903918-001L	Cu (327.395 nm)	8.36	0.0005 (ppm)	43.7172
5/8/2019 15:39:09	R1903918-001L	Fe (234.350 nm)	0.28	0.2955 (ppm)	3371.3220
5/8/2019 15:39:09	R1903918-001L	K (766.491 nm)	0.26	29.9085 (ppm)	111664.8273
5/8/2019 15:39:09	R1903918-001L	Mg (279.078 nm)	0.15	50.4586 (ppm)	117558.5402
5/8/2019 15:39:09	R1903918-001L	Mn (257.610 nm)	0.15	0.7010 (ppm)	228540.6765
5/8/2019 15:39:09	R1903918-001L	Mo (202.032 nm)	> 100.00	0.0004 (ppm)	4.7919
5/8/2019 15:39:09	R1903918-001L	Na (588.995 nm)	0.31	170.9890 o (ppm)	8731781.1675
5/8/2019 15:39:09	R1903918-001L	Ni (230.299 nm)	> 100.00	-0.0004 u (ppm)	-15.2523
5/8/2019 15:39:09	R1903918-001L	Pb (220.353 nm)	51.26	-0.0018 u (ppm)	-2.8783
5/8/2019 15:39:09	R1903918-001L	Sb (217.582 nm)	> 100.00	0.0037 u (ppm)	2.5893
5/8/2019 15:39:09	R1903918-001L	Se (196.026 nm)	68.43	-0.0077 u (ppm)	-2.1623
5/8/2019 15:39:09	R1903918-001L	Sn (189.925 nm)	> 100.00	-0.0017 u (ppm)	-2.0668
5/8/2019 15:39:09	R1903918-001L	Sr (216.596 nm)	0.01	0.8162 (ppm)	8662.0725
5/8/2019 15:39:09	R1903918-001L	Ti (336.122 nm)	1.41	0.0105 (ppm)	2544.4801
5/8/2019 15:39:09	R1903918-001L	Tl (351.923 nm)	9.48	0.0055 (ppm)	9.1796
5/8/2019 15:39:09	R1903918-001L	V (292.401 nm)	2.90	0.0056 (ppm)	224.1029
5/8/2019 15:39:09	R1903918-001L	Y (360.074 nm)	0.47	0.95 (Ratio)	948774.98
5/8/2019 15:39:09	R1903918-001L	Y_R (360.074 nm)	0.46	0.95 (Ratio)	952441.31
5/8/2019 15:39:09	R1903918-001L	Zn (213.857 nm)	4.07	0.0025 (ppm)	80.2739
5/8/2019 15:42:27	R1903953-020 10X	Ag (328.068 nm)	> 100.00	0.0000 u (ppm)	-121.0610
5/8/2019 15:42:27	R1903953-020 10X	Al (394.401 nm)	0.26	0.0090 (ppm)	369.1175
5/8/2019 15:42:27	R1903953-020 10X	As (188.980 nm)	> 100.00	-0.0007 u (ppm)	-0.8381
5/8/2019 15:42:27	R1903953-020 10X	B (249.772 nm)	1.54	0.0174 (ppm)	762.2081
5/8/2019 15:42:27	R1903953-020 10X	Ba (230.424 nm)	0.31	0.0315 (ppm)	1576.7313
5/8/2019 15:42:27	R1903953-020 10X	Be (313.107 nm)	> 100.00	0.0000 u (ppm)	-298.7766
5/8/2019 15:42:27	R1903953-020 10X	Ca (227.547 nm)	0.87	12.8363 (ppm)	801.2688
5/8/2019 15:42:27	R1903953-020 10X	Cd (214.439 nm)	26.69	0.0003 (ppm)	13.8418
5/8/2019 15:42:27	R1903953-020 10X	Co (230.786 nm)	14.14	-0.0004 u (ppm)	-14.9108
5/8/2019 15:42:27	R1903953-020 10X	Cr (267.716 nm)	31.59	-0.0002 u (ppm)	5.6449
5/8/2019 15:42:27	R1903953-020 10X	Cu (327.395 nm)	> 100.00	0.0000 u (ppm)	11.6208
5/8/2019 15:42:27	R1903953-020 10X	Fe (234.350 nm)	0.12	19.8982 o (ppm)	225152.9687
5/8/2019 15:42:27	R1903953-020 10X	K (766.491 nm)	0.57	2.3251 (ppm)	8632.2619
5/8/2019 15:42:27	R1903953-020 10X	Mg (279.078 nm)	0.10	8.9227 (ppm)	20798.4684
5/8/2019 15:42:27	R1903953-020 10X	Mn (257.610 nm)	0.06	0.1909 (ppm)	62248.7530

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/8/2019 15:42:27	R1903953-020 10X	Mo (202.032 nm)	> 100.00	-0.0001 u (ppm)	1.6760
5/8/2019 15:42:27	R1903953-020 10X	Na (588.995 nm)	0.39	7.3711 (ppm)	367604.4515
5/8/2019 15:42:27	R1903953-020 10X	Ni (230.299 nm)	29.42	-0.0018 u (ppm)	-29.8110
5/8/2019 15:42:27	R1903953-020 10X	Pb (220.353 nm)	> 100.00	0.0001 u (ppm)	2.1839
5/8/2019 15:42:27	R1903953-020 10X	Sb (217.582 nm)	> 100.00	0.0009 u (ppm)	-0.8586
5/8/2019 15:42:27	R1903953-020 10X	Se (196.026 nm)	92.51	-0.0034 u (ppm)	-0.0078
5/8/2019 15:42:27	R1903953-020 10X	Sn (189.925 nm)	> 100.00	0.0001 u (ppm)	-0.7107
5/8/2019 15:42:27	R1903953-020 10X	Sr (216.596 nm)	0.13	0.0801 (ppm)	847.9509
5/8/2019 15:42:27	R1903953-020 10X	Ti (336.122 nm)	26.58	0.0003 (ppm)	-61.2455
5/8/2019 15:42:27	R1903953-020 10X	Tl (351.923 nm)	21.66	0.0033 (ppm)	2.4449
5/8/2019 15:42:27	R1903953-020 10X	V (292.401 nm)	22.07	0.0005 (ppm)	56.5687
5/8/2019 15:42:27	R1903953-020 10X	Y (360.074 nm)	0.52	1.02 (Ratio)	1020051.24
5/8/2019 15:42:27	R1903953-020 10X	Y_R (360.074 nm)	0.52	1.02 (Ratio)	1023717.87
5/8/2019 15:42:27	R1903953-020 10X	Zn (213.857 nm)	3.23	0.0024 (ppm)	77.2590
5/8/2019 15:45:46	R1903953-020L 10X	Ag (328.068 nm)	71.34	-0.0001 u (ppm)	-127.7391
5/8/2019 15:45:46	R1903953-020L 10X	Al (394.401 nm)	> 100.00	-0.0001 u (ppm)	210.6379
5/8/2019 15:45:46	R1903953-020L 10X	As (188.980 nm)	> 100.00	0.0005 u (ppm)	-0.0276
5/8/2019 15:45:46	R1903953-020L 10X	B (249.772 nm)	4.07	0.0049 (ppm)	260.6896
5/8/2019 15:45:46	R1903953-020L 10X	Ba (230.424 nm)	0.61	0.0061 (ppm)	312.8428
5/8/2019 15:45:46	R1903953-020L 10X	Be (313.107 nm)	> 100.00	0.0000 u (ppm)	-313.5612
5/8/2019 15:45:46	R1903953-020L 10X	Ca (227.547 nm)	0.21	2.3596 (ppm)	149.6739
5/8/2019 15:45:46	R1903953-020L 10X	Cd (214.439 nm)	> 100.00	0.0000 u (ppm)	7.1028
5/8/2019 15:45:46	R1903953-020L 10X	Co (230.786 nm)	> 100.00	0.0000 u (ppm)	-9.0432
5/8/2019 15:45:46	R1903953-020L 10X	Cr (267.716 nm)	> 100.00	-0.0001 u (ppm)	11.9187
5/8/2019 15:45:46	R1903953-020L 10X	Cu (327.395 nm)	73.13	-0.0002 u (ppm)	-0.0668
5/8/2019 15:45:46	R1903953-020L 10X	Fe (234.350 nm)	0.11	3.8684 (ppm)	43794.6253
5/8/2019 15:45:46	R1903953-020L 10X	K (766.491 nm)	1.70	0.4389 (ppm)	1586.6145
5/8/2019 15:45:46	R1903953-020L 10X	Mg (279.078 nm)	0.22	1.7172 (ppm)	4012.7335
5/8/2019 15:45:46	R1903953-020L 10X	Mn (257.610 nm)	0.06	0.0370 (ppm)	12109.5748
5/8/2019 15:45:46	R1903953-020L 10X	Mo (202.032 nm)	81.33	0.0003 (ppm)	3.8696
5/8/2019 15:45:46	R1903953-020L 10X	Na (588.995 nm)	0.46	1.4338 (ppm)	64087.7505
5/8/2019 15:45:46	R1903953-020L 10X	Ni (230.299 nm)	> 100.00	-0.0001 u (ppm)	-12.9320
5/8/2019 15:45:46	R1903953-020L 10X	Pb (220.353 nm)	> 100.00	-0.0007 u (ppm)	-0.0324
5/8/2019 15:45:46	R1903953-020L 10X	Sb (217.582 nm)	> 100.00	-0.0001 u (ppm)	-2.0200
5/8/2019 15:45:46	R1903953-020L 10X	Se (196.026 nm)	> 100.00	0.0002 u (ppm)	1.7866
5/8/2019 15:45:46	R1903953-020L 10X	Sn (189.925 nm)	> 100.00	-0.0002 u (ppm)	-0.9284
5/8/2019 15:45:46	R1903953-020L 10X	Sr (216.596 nm)	1.24	0.0155 (ppm)	162.6787
5/8/2019 15:45:46	R1903953-020L 10X	Ti (336.122 nm)	26.23	0.0001 (ppm)	-106.2996
5/8/2019 15:45:46	R1903953-020L 10X	Tl (351.923 nm)	> 100.00	-0.0002 u (ppm)	-8.3639
5/8/2019 15:45:46	R1903953-020L 10X	V (292.401 nm)	> 100.00	0.0001 u (ppm)	41.9456
5/8/2019 15:45:46	R1903953-020L 10X	Y (360.074 nm)	0.41	1.03 (Ratio)	1035518.85
5/8/2019 15:45:46	R1903953-020L 10X	Y_R (360.074 nm)	0.40	1.03 (Ratio)	1039129.27
5/8/2019 15:45:46	R1903953-020L 10X	Zn (213.857 nm)	12.53	0.0007 (ppm)	17.8154
5/8/2019 15:49:05	R1903918-001 10X	Ag (328.068 nm)	91.88	-0.0001 u (ppm)	-127.5555
5/8/2019 15:49:05	R1903918-001 10X	Al (394.401 nm)	1.95	0.0293 (ppm)	727.4688
5/8/2019 15:49:05	R1903918-001 10X	As (188.980 nm)	29.10	0.0071 (ppm)	4.3487
5/8/2019 15:49:05	R1903918-001 10X	B (249.772 nm)	0.20	1.3699 (ppm)	55346.4571
5/8/2019 15:49:05	R1903918-001 10X	Ba (230.424 nm)	0.23	0.1621 (ppm)	8078.0947
5/8/2019 15:49:05	R1903918-001 10X	Be (313.107 nm)	> 100.00	0.0000 u (ppm)	-308.3788
5/8/2019 15:49:05	R1903918-001 10X	Ca (227.547 nm)	0.85	27.5404 (ppm)	1715.7771
5/8/2019 15:49:05	R1903918-001 10X	Cd (214.439 nm)	87.45	0.0001 (ppm)	10.4215

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/8/2019 15:49:05	R1903918-001 10X	Co (230.786 nm)	58.56	0.0006 (ppm)	-0.8577
5/8/2019 15:49:05	R1903918-001 10X	Cr (267.716 nm)	1.08	0.0070 (ppm)	320.2170
5/8/2019 15:49:05	R1903918-001 10X	Cu (327.395 nm)	> 100.00	0.0001 u (ppm)	15.8992
5/8/2019 15:49:05	R1903918-001 10X	Fe (234.350 nm)	0.14	0.1456 (ppm)	1675.9300
5/8/2019 15:49:05	R1903918-001 10X	K (766.491 nm)	0.46	13.7626 (ppm)	51354.7500
5/8/2019 15:49:05	R1903918-001 10X	Mg (279.078 nm)	0.13	24.3469 (ppm)	56729.9766
5/8/2019 15:49:05	R1903918-001 10X	Mn (257.610 nm)	0.13	0.3421 (ppm)	111558.2553
5/8/2019 15:49:05	R1903918-001 10X	Mo (202.032 nm)	> 100.00	0.0004 u (ppm)	4.6245
5/8/2019 15:49:05	R1903918-001 10X	Na (588.995 nm)	0.43	85.4467 o (ppm)	4358842.0052
5/8/2019 15:49:05	R1903918-001 10X	Ni (230.299 nm)	> 100.00	-0.0001 u (ppm)	-12.8373
5/8/2019 15:49:05	R1903918-001 10X	Pb (220.353 nm)	44.18	-0.0010 u (ppm)	-0.7273
5/8/2019 15:49:05	R1903918-001 10X	Sb (217.582 nm)	> 100.00	-0.0004 u (ppm)	-2.3818
5/8/2019 15:49:05	R1903918-001 10X	Se (196.026 nm)	86.34	-0.0059 u (ppm)	-1.2635
5/8/2019 15:49:05	R1903918-001 10X	Sn (189.925 nm)	> 100.00	-0.0008 u (ppm)	-1.4086
5/8/2019 15:49:05	R1903918-001 10X	Sr (216.596 nm)	0.15	0.3991 (ppm)	4234.3980
5/8/2019 15:49:05	R1903918-001 10X	Ti (336.122 nm)	5.05	0.0052 (ppm)	1188.0982
5/8/2019 15:49:05	R1903918-001 10X	Tl (351.923 nm)	26.73	0.0020 (ppm)	-1.6138
5/8/2019 15:49:05	R1903918-001 10X	V (292.401 nm)	3.84	0.0025 (ppm)	121.4453
5/8/2019 15:49:05	R1903918-001 10X	Y (360.074 nm)	0.49	0.98 (Ratio)	980601.88
5/8/2019 15:49:05	R1903918-001 10X	Y_R (360.074 nm)	0.49	0.98 (Ratio)	984418.28
5/8/2019 15:49:05	R1903918-001 10X	Zn (213.857 nm)	2.78	0.0013 (ppm)	38.0817
5/8/2019 15:52:23	R1903918-001L 10X	Ag (328.068 nm)	15.71	-0.0002 u (ppm)	-136.9635
5/8/2019 15:52:23	R1903918-001L 10X	Al (394.401 nm)	12.95	0.0048 (ppm)	296.9481
5/8/2019 15:52:23	R1903918-001L 10X	As (188.980 nm)	> 100.00	0.0012 u (ppm)	0.4421
5/8/2019 15:52:23	R1903918-001L 10X	B (249.772 nm)	0.43	0.2611 (ppm)	10598.9938
5/8/2019 15:52:23	R1903918-001L 10X	Ba (230.424 nm)	0.26	0.0322 (ppm)	1615.5225
5/8/2019 15:52:23	R1903918-001L 10X	Be (313.107 nm)	> 100.00	0.0000 u (ppm)	-301.9894
5/8/2019 15:52:23	R1903918-001L 10X	Ca (227.547 nm)	2.01	5.1668 (ppm)	324.2664
5/8/2019 15:52:23	R1903918-001L 10X	Cd (214.439 nm)	> 100.00	0.0001 u (ppm)	9.2031
5/8/2019 15:52:23	R1903918-001L 10X	Co (230.786 nm)	47.88	0.0004 (ppm)	-4.5218
5/8/2019 15:52:23	R1903918-001L 10X	Cr (267.716 nm)	1.00	0.0014 (ppm)	73.7345
5/8/2019 15:52:23	R1903918-001L 10X	Cu (327.395 nm)	56.63	-0.0001 u (ppm)	6.3605
5/8/2019 15:52:23	R1903918-001L 10X	Fe (234.350 nm)	1.18	0.0286 (ppm)	352.4328
5/8/2019 15:52:23	R1903918-001L 10X	K (766.491 nm)	0.85	2.5405 (ppm)	9436.8054
5/8/2019 15:52:23	R1903918-001L 10X	Mg (279.078 nm)	0.09	4.7855 (ppm)	11160.6063
5/8/2019 15:52:23	R1903918-001L 10X	Mn (257.610 nm)	0.37	0.0685 (ppm)	22367.0388
5/8/2019 15:52:23	R1903918-001L 10X	Mo (202.032 nm)	> 100.00	0.0000 u (ppm)	2.3590
5/8/2019 15:52:23	R1903918-001L 10X	Na (588.995 nm)	0.90	17.5574 (ppm)	888330.9187
5/8/2019 15:52:23	R1903918-001L 10X	Ni (230.299 nm)	> 100.00	0.0001 u (ppm)	-10.3197
5/8/2019 15:52:23	R1903918-001L 10X	Pb (220.353 nm)	> 100.00	-0.0005 u (ppm)	0.6806
5/8/2019 15:52:23	R1903918-001L 10X	Sb (217.582 nm)	> 100.00	0.0004 u (ppm)	-1.3585
5/8/2019 15:52:23	R1903918-001L 10X	Se (196.026 nm)	> 100.00	-0.0006 u (ppm)	1.3929
5/8/2019 15:52:23	R1903918-001L 10X	Sn (189.925 nm)	> 100.00	0.0001 u (ppm)	-0.7086
5/8/2019 15:52:23	R1903918-001L 10X	Sr (216.596 nm)	0.55	0.0803 (ppm)	850.4795
5/8/2019 15:52:23	R1903918-001L 10X	Ti (336.122 nm)	5.98	0.0009 (ppm)	110.0506
5/8/2019 15:52:23	R1903918-001L 10X	Tl (351.923 nm)	> 100.00	0.0005 u (ppm)	-6.0921
5/8/2019 15:52:23	R1903918-001L 10X	V (292.401 nm)	38.96	0.0005 (ppm)	57.3327
5/8/2019 15:52:23	R1903918-001L 10X	Y (360.074 nm)	0.76	1.01 (Ratio)	1016883.11
5/8/2019 15:52:23	R1903918-001L 10X	Y_R (360.074 nm)	0.75	1.01 (Ratio)	1020483.11
5/8/2019 15:52:23	R1903918-001L 10X	Zn (213.857 nm)	14.77	0.0005 (ppm)	8.2532
5/8/2019 15:55:42	Continuing Calibration Verification	Ag (328.068 nm)	0.14	0.4920 (ppm)	37360.8818

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/8/2019 15:55:42	Continuing Calibration Verification	Al (394.401 nm)	0.33	9.5620 (ppm)	168375.4651
5/8/2019 15:55:42	Continuing Calibration Verification	As (188.980 nm)	1.21	0.9873 (ppm)	657.3632
5/8/2019 15:55:42	Continuing Calibration Verification	B (249.772 nm)	0.09	2.5094 (ppm)	101330.9054
5/8/2019 15:55:42	Continuing Calibration Verification	Ba (230.424 nm)	0.34	10.4422 (ppm)	519789.3215
5/8/2019 15:55:42	Continuing Calibration Verification	Be (313.107 nm)	0.52	0.2597 (ppm)	359419.4469
5/8/2019 15:55:42	Continuing Calibration Verification	Ca (227.547 nm)	0.89	24.1265 (ppm)	1503.4515
5/8/2019 15:55:42	Continuing Calibration Verification	Cd (214.439 nm)	0.14	0.5159 (ppm)	11059.2106
5/8/2019 15:55:42	Continuing Calibration Verification	Co (230.786 nm)	0.07	2.6603 (ppm)	35172.4333
5/8/2019 15:55:42	Continuing Calibration Verification	Cr (267.716 nm)	0.04	0.5162 (ppm)	22351.7569
5/8/2019 15:55:42	Continuing Calibration Verification	Cu (327.395 nm)	0.32	1.1959 (ppm)	80616.5689
5/8/2019 15:55:42	Continuing Calibration Verification	Fe (234.350 nm)	0.09	5.0003 (ppm)	56600.6735
5/8/2019 15:55:42	Continuing Calibration Verification	K (766.491 nm)	0.88	23.9350 (ppm)	89351.9405
5/8/2019 15:55:42	Continuing Calibration Verification	Mg (279.078 nm)	0.09	25.6241 (ppm)	59705.2868
5/8/2019 15:55:42	Continuing Calibration Verification	Mn (257.610 nm)	0.08	0.7647 (ppm)	249306.7356
5/8/2019 15:55:42	Continuing Calibration Verification	Mo (202.032 nm)	0.21	2.5259 (ppm)	14748.3418
5/8/2019 15:55:42	Continuing Calibration Verification	Na (588.995 nm)	1.40	23.6915 (ppm)	1201906.8360
5/8/2019 15:55:42	Continuing Calibration Verification	Ni (230.299 nm)	0.05	2.0443 (ppm)	21211.2011
5/8/2019 15:55:42	Continuing Calibration Verification	Pb (220.353 nm)	0.54	0.5145 (ppm)	1434.6182
5/8/2019 15:55:42	Continuing Calibration Verification	Sb (217.582 nm)	0.38	4.8470 (ppm)	5767.3485
5/8/2019 15:55:42	Continuing Calibration Verification	Se (196.026 nm)	0.81	0.4926 (ppm)	246.9794
5/8/2019 15:55:42	Continuing Calibration Verification	Sn (189.925 nm)	0.37	5.0928 (ppm)	3784.7327
5/8/2019 15:55:42	Continuing Calibration Verification	Sr (216.596 nm)	0.37	2.6337 (ppm)	27955.1004
5/8/2019 15:55:42	Continuing Calibration Verification	Ti (336.122 nm)	0.23	2.5246 (ppm)	644709.3812
5/8/2019 15:55:42	Continuing Calibration Verification	Tl (351.923 nm)	0.42	1.0006 (ppm)	3057.1414
5/8/2019 15:55:42	Continuing Calibration Verification	V (292.401 nm)	0.07	2.5703 (ppm)	84589.6560
5/8/2019 15:55:42	Continuing Calibration Verification	Y (360.074 nm)	0.45	0.98 (Ratio)	980045.91
5/8/2019 15:55:42	Continuing Calibration Verification	Y_R (360.074 nm)	0.45	0.98 (Ratio)	983632.05
5/8/2019 15:55:42	Continuing Calibration Verification	Zn (213.857 nm)	0.08	0.9977 (ppm)	34644.3335
5/8/2019 15:59:00	Continuing Calibration Blank	Ag (328.068 nm)	> 100.00	-0.0001 u (ppm)	-125.5760
5/8/2019 15:59:00	Continuing Calibration Blank	Al (394.401 nm)	12.98	-0.0015 u (ppm)	184.9594
5/8/2019 15:59:00	Continuing Calibration Blank	As (188.980 nm)	> 100.00	0.0000 u (ppm)	-0.3599
5/8/2019 15:59:00	Continuing Calibration Blank	B (249.772 nm)	20.45	0.0019 (ppm)	136.7015
5/8/2019 15:59:00	Continuing Calibration Blank	Ba (230.424 nm)	24.74	0.0005 (ppm)	36.2019
5/8/2019 15:59:00	Continuing Calibration Blank	Be (313.107 nm)	15.11	0.0000 (ppm)	-287.7524
5/8/2019 15:59:00	Continuing Calibration Blank	Ca (227.547 nm)	69.16	-0.0324 u (ppm)	0.9058
5/8/2019 15:59:00	Continuing Calibration Blank	Cd (214.439 nm)	> 100.00	0.0000 u (ppm)	9.1135
5/8/2019 15:59:00	Continuing Calibration Blank	Co (230.786 nm)	71.20	0.0004 (ppm)	-3.2872
5/8/2019 15:59:00	Continuing Calibration Blank	Cr (267.716 nm)	> 100.00	-0.0001 u (ppm)	12.6655
5/8/2019 15:59:00	Continuing Calibration Blank	Cu (327.395 nm)	> 100.00	0.0001 u (ppm)	17.3282
5/8/2019 15:59:00	Continuing Calibration Blank	Fe (234.350 nm)	44.01	0.0008 (ppm)	37.5558
5/8/2019 15:59:00	Continuing Calibration Blank	K (766.491 nm)	> 100.00	0.0061 u (ppm)	-30.1733
5/8/2019 15:59:00	Continuing Calibration Blank	Mg (279.078 nm)	44.99	-0.0015 u (ppm)	8.9096
5/8/2019 15:59:00	Continuing Calibration Blank	Mn (257.610 nm)	8.36	0.0001 (ppm)	59.5788
5/8/2019 15:59:00	Continuing Calibration Blank	Mo (202.032 nm)	30.68	0.0033 (ppm)	21.4847
5/8/2019 15:59:00	Continuing Calibration Blank	Na (588.995 nm)	> 100.00	-0.0012 u (ppm)	-9268.0668
5/8/2019 15:59:00	Continuing Calibration Blank	Ni (230.299 nm)	> 100.00	0.0000 u (ppm)	-11.9469
5/8/2019 15:59:00	Continuing Calibration Blank	Pb (220.353 nm)	93.59	-0.0007 u (ppm)	-0.0593
5/8/2019 15:59:00	Continuing Calibration Blank	Sb (217.582 nm)	> 100.00	0.0002 u (ppm)	-1.5926
5/8/2019 15:59:00	Continuing Calibration Blank	Se (196.026 nm)	43.46	0.0017 (ppm)	2.5009
5/8/2019 15:59:00	Continuing Calibration Blank	Sn (189.925 nm)	> 100.00	-0.0010 u (ppm)	-1.5872
5/8/2019 15:59:00	Continuing Calibration Blank	Sr (216.596 nm)	> 100.00	0.0001 u (ppm)	-1.2495

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/8/2019 15:59:00	Continuing Calibration Blank	Ti (336.122 nm)	26.37	0.0013 (ppm)	198.1102
5/8/2019 15:59:00	Continuing Calibration Blank	Tl (351.923 nm)	> 100.00	0.0010 u (ppm)	-4.4433
5/8/2019 15:59:00	Continuing Calibration Blank	V (292.401 nm)	72.59	0.0003 (ppm)	48.8546
5/8/2019 15:59:00	Continuing Calibration Blank	Y (360.074 nm)	0.62	1.03 (Ratio)	1029261.00
5/8/2019 15:59:00	Continuing Calibration Blank	Y_R (360.074 nm)	0.62	1.03 (Ratio)	1032804.99
5/8/2019 15:59:00	Continuing Calibration Blank	Zn (213.857 nm)	> 100.00	0.0000 u (ppm)	-7.5260
5/8/2019 16:02:19	Contract Required Detection Limit	Ag (328.068 nm)	1.08	0.0098 (ppm)	627.6636
5/8/2019 16:02:19	Contract Required Detection Limit	Al (394.401 nm)	0.31	0.1777 (ppm)	3336.8248
5/8/2019 16:02:19	Contract Required Detection Limit	As (188.980 nm)	15.56	0.0202 (ppm)	13.0969
5/8/2019 16:02:19	Contract Required Detection Limit	B (249.772 nm)	0.24	0.1885 (ppm)	7668.5627
5/8/2019 16:02:19	Contract Required Detection Limit	Ba (230.424 nm)	0.19	0.2139 (ppm)	10657.4526
5/8/2019 16:02:19	Contract Required Detection Limit	Be (313.107 nm)	0.15	0.0050 (ppm)	6626.5333
5/8/2019 16:02:19	Contract Required Detection Limit	Ca (227.547 nm)	0.95	0.9295 (ppm)	60.7349
5/8/2019 16:02:19	Contract Required Detection Limit	Cd (214.439 nm)	0.87	0.0104 (ppm)	229.8236
5/8/2019 16:02:19	Contract Required Detection Limit	Co (230.786 nm)	0.23	0.0529 (ppm)	689.9363
5/8/2019 16:02:19	Contract Required Detection Limit	Cr (267.716 nm)	0.40	0.0103 (ppm)	461.2294
5/8/2019 16:02:19	Contract Required Detection Limit	Cu (327.395 nm)	0.89	0.0243 (ppm)	1650.9187
5/8/2019 16:02:19	Contract Required Detection Limit	Fe (234.350 nm)	0.09	0.1074 (ppm)	1243.9512
5/8/2019 16:02:19	Contract Required Detection Limit	K (766.491 nm)	1.21	0.8798 (ppm)	3233.5488
5/8/2019 16:02:19	Contract Required Detection Limit	Mg (279.078 nm)	0.12	1.0035 (ppm)	2350.1204
5/8/2019 16:02:19	Contract Required Detection Limit	Mn (257.610 nm)	0.33	0.0159 (ppm)	5216.9728
5/8/2019 16:02:19	Contract Required Detection Limit	Mo (202.032 nm)	2.17	0.0265 (ppm)	157.0234
5/8/2019 16:02:19	Contract Required Detection Limit	Na (588.995 nm)	0.97	0.9494 (ppm)	39327.6958
5/8/2019 16:02:19	Contract Required Detection Limit	Ni (230.299 nm)	0.64	0.0421 (ppm)	425.3444
5/8/2019 16:02:19	Contract Required Detection Limit	Pb (220.353 nm)	9.72	0.0100 (ppm)	29.9695
5/8/2019 16:02:19	Contract Required Detection Limit	Sb (217.582 nm)	2.59	0.0627 (ppm)	72.7052
5/8/2019 16:02:19	Contract Required Detection Limit	Se (196.026 nm)	17.45	0.0121 R (ppm) 12/17.	7.7137 R
5/8/2019 16:02:19	Contract Required Detection Limit	Sn (189.925 nm)	0.10	0.5096 (ppm)	378.0009
5/8/2019 16:02:19	Contract Required Detection Limit	Sr (216.596 nm)	1.15	0.1062 (ppm)	1125.0267
5/8/2019 16:02:19	Contract Required Detection Limit	Ti (336.122 nm)	0.15	0.0513 (ppm)	12985.4940
5/8/2019 16:02:19	Contract Required Detection Limit	Tl (351.923 nm)	1.64	0.0192 (ppm)	51.2581
5/8/2019 16:02:19	Contract Required Detection Limit	V (292.401 nm)	0.52	0.0509 (ppm)	1712.4804
5/8/2019 16:02:19	Contract Required Detection Limit	Y (360.074 nm)	0.57	1.03 (Ratio)	1030243.56
5/8/2019 16:02:19	Contract Required Detection Limit	Y_R (360.074 nm)	0.57	1.03 (Ratio)	1033887.60
5/8/2019 16:02:19	Contract Required Detection Limit	Zn (213.857 nm)	0.42	0.0201 (ppm)	689.1088
5/8/2019 16:05:37	Interference Check Solution A	Ag (328.068 nm)	73.54	0.0002 (ppm)	-108.8975
5/8/2019 16:05:37	Interference Check Solution A	Al (394.401 nm)	0.42	268.1177 o (ppm)	4715516.9409
5/8/2019 16:05:37	Interference Check Solution A	As (188.980 nm)	> 100.00	0.0006 u (ppm)	0.0456
5/8/2019 16:05:37	Interference Check Solution A	B (249.772 nm)	0.60	0.0448 (ppm)	1871.4384
5/8/2019 16:05:37	Interference Check Solution A	Ba (230.424 nm)	21.67	0.0004 (ppm)	29.3690
5/8/2019 16:05:37	Interference Check Solution A	Be (313.107 nm)	7.05	-0.0001 u (ppm)	-381.1425
5/8/2019 16:05:37	Interference Check Solution A	Ca (227.547 nm)	0.12	272.2853 o (ppm)	16937.4970
5/8/2019 16:05:37	Interference Check Solution A	Cd (214.439 nm)	32.49	-0.0006 u (ppm)	-4.3698
5/8/2019 16:05:37	Interference Check Solution A	Co (230.786 nm)	7.53	-0.0025 u (ppm)	-42.0705
5/8/2019 16:05:37	Interference Check Solution A	Cr (267.716 nm)	35.85	0.0004 (ppm)	30.9007
5/8/2019 16:05:37	Interference Check Solution A	Cu (327.395 nm)	82.29	-0.0001 u (ppm)	1.9819
5/8/2019 16:05:37	Interference Check Solution A	Fe (234.350 nm)	0.62	90.8598 o (ppm)	1027999.6030
5/8/2019 16:05:37	Interference Check Solution A	K (766.491 nm)	28.61	0.0238 (ppm)	35.8676
5/8/2019 16:05:37	Interference Check Solution A	Mg (279.078 nm)	0.55	263.4624 o (ppm)	613763.1626
5/8/2019 16:05:37	Interference Check Solution A	Mn (257.610 nm)	1.44	0.0019 (ppm)	651.5270
5/8/2019 16:05:37	Interference Check Solution A	Mo (202.032 nm)	> 100.00	-0.0004 u (ppm)	0.3501

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/8/2019 16:05:37	Interference Check Solution A	Na (588.995 nm)	> 100.00	-0.0008 u (ppm)	-9247.9037
5/8/2019 16:05:37	Interference Check Solution A	Ni (230.299 nm)	> 100.00	-0.0004 u (ppm)	-16.0521
5/8/2019 16:05:37	Interference Check Solution A	Pb (220.353 nm)	> 100.00	-0.0003 u (ppm)	1.2276
5/8/2019 16:05:37	Interference Check Solution A	Sb (217.582 nm)	97.51	-0.0043 u (ppm)	-6.9717
5/8/2019 16:05:37	Interference Check Solution A	Se (196.026 nm)	59.17	-0.0084 u (ppm)	-2.4922
5/8/2019 16:05:37	Interference Check Solution A	Sn (189.925 nm)	> 100.00	0.0012 u (ppm)	0.0506
5/8/2019 16:05:37	Interference Check Solution A	Sr (216.596 nm)	1.61	0.0185 (ppm)	194.4330
5/8/2019 16:05:37	Interference Check Solution A	Ti (336.122 nm)	2.24	0.0017 (ppm)	314.3270
5/8/2019 16:05:37	Interference Check Solution A	Tl (351.923 nm)	35.05	0.0071 (ppm)	14.0034
5/8/2019 16:05:37	Interference Check Solution A	V (292.401 nm)	11.85	0.0017 (ppm)	96.4583
5/8/2019 16:05:37	Interference Check Solution A	Y (360.074 nm)	0.30	0.88 (Ratio)	879023.72
5/8/2019 16:05:37	Interference Check Solution A	Y_R (360.074 nm)	0.30	0.88 (Ratio)	882507.39
5/8/2019 16:05:37	Interference Check Solution A	Zn (213.857 nm)	1.06	0.0108 K (ppm)	367.5087 K
5/8/2019 16:08:55	Interference Check Solution AB	Ag (328.068 nm)	0.11	0.2136 (ppm)	16153.3952
5/8/2019 16:08:55	Interference Check Solution AB	Al (394.401 nm)	0.17	265.1856 o (ppm)	4663950.7848
5/8/2019 16:08:55	Interference Check Solution AB	As (188.980 nm)	6.79	0.1035 (ppm)	68.5513
5/8/2019 16:08:55	Interference Check Solution AB	B (249.772 nm)	0.13	0.0459 (ppm)	1914.2499
5/8/2019 16:08:55	Interference Check Solution AB	Ba (230.424 nm)	0.02	0.5346 (ppm)	26622.4040
5/8/2019 16:08:55	Interference Check Solution AB	Be (313.107 nm)	0.22	0.5142 (ppm)	711963.9262
5/8/2019 16:08:55	Interference Check Solution AB	Ca (227.547 nm)	0.02	267.8424 o (ppm)	16661.1783
5/8/2019 16:08:55	Interference Check Solution AB	Cd (214.439 nm)	0.16	1.0168 (ppm)	21787.5645
5/8/2019 16:08:55	Interference Check Solution AB	Co (230.786 nm)	0.15	0.4999 (ppm)	6601.2994
5/8/2019 16:08:55	Interference Check Solution AB	Cr (267.716 nm)	0.11	0.5117 (ppm)	22159.5156
5/8/2019 16:08:55	Interference Check Solution AB	Cu (327.395 nm)	0.33	0.5171 (ppm)	34863.6057
5/8/2019 16:08:55	Interference Check Solution AB	Fe (234.350 nm)	0.05	93.3222 o (ppm)	1055858.0452
5/8/2019 16:08:55	Interference Check Solution AB	K (766.491 nm)	85.47	0.0153 (ppm)	4.3020
5/8/2019 16:08:55	Interference Check Solution AB	Mg (279.078 nm)	0.49	270.3257 o (ppm)	629751.6203
5/8/2019 16:08:55	Interference Check Solution AB	Mn (257.610 nm)	0.07	0.5077 (ppm)	165529.2608
5/8/2019 16:08:55	Interference Check Solution AB	Mo (202.032 nm)	> 100.00	0.0005 u (ppm)	5.2811
5/8/2019 16:08:55	Interference Check Solution AB	Na (588.995 nm)	5.50	-0.0177 u (ppm)	-10111.3773
5/8/2019 16:08:55	Interference Check Solution AB	Ni (230.299 nm)	0.20	0.9762 (ppm)	10123.0143
5/8/2019 16:08:55	Interference Check Solution AB	Pb (220.353 nm)	4.09	0.0475 (ppm)	134.4025
5/8/2019 16:08:55	Interference Check Solution AB	Sb (217.582 nm)	0.51	0.6277 (ppm)	745.3022
5/8/2019 16:08:55	Interference Check Solution AB	Se (196.026 nm)	5.06	0.0494 (ppm)	26.2862
5/8/2019 16:08:55	Interference Check Solution AB	Sn (189.925 nm)	> 100.00	0.0034 u (ppm)	1.6848
5/8/2019 16:08:55	Interference Check Solution AB	Sr (216.596 nm)	3.14	0.0188 (ppm)	197.9780
5/8/2019 16:08:55	Interference Check Solution AB	Ti (336.122 nm)	2.64	0.0018 (ppm)	329.4818
5/8/2019 16:08:55	Interference Check Solution AB	Tl (351.923 nm)	2.35	0.1153 (ppm)	345.3649
5/8/2019 16:08:55	Interference Check Solution AB	V (292.401 nm)	0.21	0.5150 (ppm)	16979.6225
5/8/2019 16:08:55	Interference Check Solution AB	Y (360.074 nm)	0.59	0.90 (Ratio)	902470.30
5/8/2019 16:08:55	Interference Check Solution AB	Y_R (360.074 nm)	0.59	0.90 (Ratio)	906040.61
5/8/2019 16:08:55	Interference Check Solution AB	Zn (213.857 nm)	0.02	1.0461 (ppm)	36326.3062
5/8/2019 16:12:14	HLCCV2	Ag (328.068 nm)	0.41	2.1656 o (ppm)	164865.2690
5/8/2019 16:12:14	HLCCV2	Al (394.401 nm)	0.54	528.4056 o (ppm)	9293120.2995
5/8/2019 16:12:14	HLCCV2	As (188.980 nm)	0.71	4.1928 o (ppm)	2792.9529
5/8/2019 16:12:14	HLCCV2	B (249.772 nm)	0.45	10.6909 o (ppm)	431508.0617
5/8/2019 16:12:14	HLCCV2	Ba (230.424 nm)	0.38	38.9191 o (ppm)	1937272.4551
5/8/2019 16:12:14	HLCCV2	Be (313.107 nm)	0.27	1.0083 o (ppm)	1396526.0513
5/8/2019 16:12:14	HLCCV2	Ca (227.547 nm)	0.46	271.1255 o (ppm)	16865.3677
5/8/2019 16:12:14	HLCCV2	Cd (214.439 nm)	0.25	1.9805 o (ppm)	42430.8969
5/8/2019 16:12:14	HLCCV2	Co (230.786 nm)	0.01	9.5659 o (ppm)	126497.5621

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/8/2019 16:12:14	HLCCV2	Cr (267.716 nm)	0.31	10.0284 o (ppm)	433982.8729
5/8/2019 16:12:14	HLCCV2	Cu (327.395 nm)	0.48	5.3574 o (ppm)	361114.8633
5/8/2019 16:12:14	HLCCV2	Fe (234.350 nm)	0.56	47.2924 o (ppm)	535086.2325
5/8/2019 16:12:14	HLCCV2	K (766.491 nm)	0.99	163.0594 o (ppm)	609025.7542
5/8/2019 16:12:14	HLCCV2	Mg (279.078 nm)	0.29	516.1630 o (ppm)	1202443.5666
5/8/2019 16:12:14	HLCCV2	Mn (257.610 nm)	0.21	9.6710 o (ppm)	3152520.6038
5/8/2019 16:12:14	HLCCV2	Mo (202.032 nm)	0.16	9.9399 o (ppm)	58031.5016
5/8/2019 16:12:14	HLCCV2	Na (588.995 nm)	1.02	190.2119 o (ppm)	9714461.1025
5/8/2019 16:12:14	HLCCV2	Ni (230.299 nm)	0.19	7.6026 o (ppm)	78913.5394
5/8/2019 16:12:14	HLCCV2	Pb (220.353 nm)	0.35	9.6705 o (ppm)	26928.2352
5/8/2019 16:12:14	HLCCV2	Sb (217.582 nm)	23.53	0.0309 (ppm)	34.8807
5/8/2019 16:12:14	HLCCV2	Se (196.026 nm)	0.31	2.1179 o (ppm)	1056.4567
5/8/2019 16:12:14	HLCCV2	Sn (189.925 nm)	16.40	-0.0133 u (ppm)	-10.6722
5/8/2019 16:12:14	HLCCV2	Sr (216.596 nm)	0.15	9.8925 o (ppm)	105007.1860
5/8/2019 16:12:14	HLCCV2	Ti (336.122 nm)	0.39	10.0369 o (ppm)	2563555.4589
5/8/2019 16:12:14	HLCCV2	Tl (351.923 nm)	0.50	4.3632 o (ppm)	13356.4481
5/8/2019 16:12:14	HLCCV2	V (292.401 nm)	0.25	9.9665 o (ppm)	327884.1004
5/8/2019 16:12:14	HLCCV2	Y (360.074 nm)	0.88	0.85 (Ratio)	848493.16
5/8/2019 16:12:14	HLCCV2	Y_R (360.074 nm)	0.87	0.85 (Ratio)	851927.01
5/8/2019 16:12:14	HLCCV2	Zn (213.857 nm)	0.24	4.2117 o (ppm)	146276.5472
5/8/2019 16:15:33	HLCCV3	Ag (328.068 nm)	38.13	0.0001 (ppm)	-113.4885
5/8/2019 16:15:33	HLCCV3	Al (394.401 nm)	15.22	0.0489 (ppm)	1071.4773
5/8/2019 16:15:33	HLCCV3	As (188.980 nm)	39.70	0.0031 (ppm)	1.7196
5/8/2019 16:15:33	HLCCV3	B (249.772 nm)	2.36	0.0272 (ppm)	1160.2692
5/8/2019 16:15:33	HLCCV3	Ba (230.424 nm)	21.60	0.0024 (ppm)	129.0347
5/8/2019 16:15:33	HLCCV3	Be (313.107 nm)	4.25	0.0001 (ppm)	-237.0631
5/8/2019 16:15:33	HLCCV3	Ca (227.547 nm)	0.19	201.5881 o (ppm)	12540.5376
5/8/2019 16:15:33	HLCCV3	Cd (214.439 nm)	19.09	0.0009 (ppm)	27.6276
5/8/2019 16:15:33	HLCCV3	Co (230.786 nm)	46.60	-0.0004 u (ppm)	-14.2427
5/8/2019 16:15:33	HLCCV3	Cr (267.716 nm)	40.83	0.0004 (ppm)	34.3517
5/8/2019 16:15:33	HLCCV3	Cu (327.395 nm)	0.61	3.9509 o (ppm)	266984.2069
5/8/2019 16:15:33	HLCCV3	Fe (234.350 nm)	0.07	37.8591 o (ppm)	428359.6952
5/8/2019 16:15:33	HLCCV3	K (766.491 nm)	0.83	98.6569 o (ppm)	368461.8453
5/8/2019 16:15:33	HLCCV3	Mg (279.078 nm)	27.93	0.0206 (ppm)	60.4430
5/8/2019 16:15:33	HLCCV3	Mn (257.610 nm)	18.60	0.0006 (ppm)	229.7926
5/8/2019 16:15:33	HLCCV3	Mo (202.032 nm)	14.52	0.0087 (ppm)	53.2878
5/8/2019 16:15:33	HLCCV3	Na (588.995 nm)	0.72	133.8988 Qo (ppm)	6835721.2806 Q
5/8/2019 16:15:33	HLCCV3	Ni (230.299 nm)	3.62	-0.0252 u (ppm)	-273.1265
5/8/2019 16:15:33	HLCCV3	Pb (220.353 nm)	> 100.00	-0.0004 u (ppm)	0.9210
5/8/2019 16:15:33	HLCCV3	Sb (217.582 nm)	> 100.00	-0.0007 u (ppm)	-2.7406
5/8/2019 16:15:33	HLCCV3	Se (196.026 nm)	89.20	-0.0049 u (ppm)	-0.7774
5/8/2019 16:15:33	HLCCV3	Sn (189.925 nm)	> 100.00	0.0006 u (ppm)	-0.3845
5/8/2019 16:15:33	HLCCV3	Sr (216.596 nm)	2.01	0.0129 (ppm)	134.9104
5/8/2019 16:15:33	HLCCV3	Ti (336.122 nm)	16.67	0.0043 (ppm)	968.1931
5/8/2019 16:15:33	HLCCV3	Tl (351.923 nm)	0.27	2.9372 o (ppm)	8988.7440
5/8/2019 16:15:33	HLCCV3	V (292.401 nm)	9.55	0.0007 (ppm)	63.5097
5/8/2019 16:15:33	HLCCV3	Y (360.074 nm)	0.55	0.93 (Ratio)	932214.58
5/8/2019 16:15:33	HLCCV3	Y_R (360.074 nm)	0.55	0.93 (Ratio)	935849.91
5/8/2019 16:15:33	HLCCV3	Zn (213.857 nm)	4.23	0.0059 (ppm)	198.5300
5/8/2019 16:18:52	HLCCV1	Ag (328.068 nm)	0.30	0.9904 (ppm)	75336.4432
5/8/2019 16:18:52	HLCCV1	Al (394.401 nm)	0.33	19.7408 (ppm)	347387.7138

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/8/2019 16:18:52	HLCCV1	As (188.980 nm)	0.80	2.0227 (ppm)	1347.2008
5/8/2019 16:18:52	HLCCV1	B (249.772 nm)	0.33	5.0738 (ppm)	204823.8640
5/8/2019 16:18:52	HLCCV1	Ba (230.424 nm)	0.60	20.0000 (ppm)	995545.5306
5/8/2019 16:18:52	HLCCV1	Be (313.107 nm)	0.19	0.5092 (ppm)	705074.6174
5/8/2019 16:18:52	HLCCV1	Ca (227.547 nm)	0.52	49.1652 (ppm)	3060.7173
5/8/2019 16:18:52	HLCCV1	Cd (214.439 nm)	0.19	1.0316 (ppm)	22105.6185
5/8/2019 16:18:52	HLCCV1	Co (230.786 nm)	0.15	5.0548 (ppm)	66839.8006
5/8/2019 16:18:52	HLCCV1	Cr (267.716 nm)	0.10	1.0100 (ppm)	43721.7660
5/8/2019 16:18:52	HLCCV1	Cu (327.395 nm)	0.45	2.4453 (ppm)	164830.7278
5/8/2019 16:18:52	HLCCV1	Fe (234.350 nm)	0.21	10.1503 (ppm)	114867.2433
5/8/2019 16:18:52	HLCCV1	K (766.491 nm)	0.93	48.5143 (ppm)	181163.4032
5/8/2019 16:18:52	HLCCV1	Mg (279.078 nm)	0.26	50.8902 (ppm)	118563.9228
5/8/2019 16:18:52	HLCCV1	Mn (257.610 nm)	0.21	1.5097 (ppm)	492157.7221
5/8/2019 16:18:52	HLCCV1	Mo (202.032 nm)	0.25	5.0554 (ppm)	29515.7701
5/8/2019 16:18:52	HLCCV1	Na (588.995 nm)	0.77	47.7377 (ppm)	2431150.4539
5/8/2019 16:18:52	HLCCV1	Ni (230.299 nm)	0.16	4.0475 (ppm)	42007.5485
5/8/2019 16:18:52	HLCCV1	Pb (220.353 nm)	0.27	1.0136 (ppm)	2824.2873
5/8/2019 16:18:52	HLCCV1	Sb (217.582 nm)	0.28	10.0744 (ppm)	11989.3751
5/8/2019 16:18:52	HLCCV1	Se (196.026 nm)	0.95	1.0195 (ppm)	509.4040
5/8/2019 16:18:52	HLCCV1	Sn (189.925 nm)	0.20	10.0998 (ppm)	7506.5110
5/8/2019 16:18:52	HLCCV1	Sr (216.596 nm)	0.23	5.1319 (ppm)	54473.5071
5/8/2019 16:18:52	HLCCV1	Ti (336.122 nm)	0.14	4.9978 (ppm)	1276449.1605
5/8/2019 16:18:52	HLCCV1	Tl (351.923 nm)	0.38	1.9786 (ppm)	6052.7015
5/8/2019 16:18:52	HLCCV1	V (292.401 nm)	0.14	5.0057 (ppm)	164699.3547
5/8/2019 16:18:52	HLCCV1	Y (360.074 nm)	0.57	0.96 (Ratio)	960761.61
5/8/2019 16:18:52	HLCCV1	Y_R (360.074 nm)	0.56	0.96 (Ratio)	964369.05
5/8/2019 16:18:52	HLCCV1	Zn (213.857 nm)	0.32	2.0306 (ppm)	70520.5617
5/8/2019 16:22:11	Continuing Calibration Verification	Ag (328.068 nm)	0.11	0.4916 (ppm)	37335.3249
5/8/2019 16:22:11	Continuing Calibration Verification	Al (394.401 nm)	0.41	9.5632 (ppm)	168397.1311
5/8/2019 16:22:11	Continuing Calibration Verification	As (188.980 nm)	0.24	0.9964 (ppm)	663.4532
5/8/2019 16:22:11	Continuing Calibration Verification	B (249.772 nm)	0.09	2.5122 (ppm)	101444.4769
5/8/2019 16:22:11	Continuing Calibration Verification	Ba (230.424 nm)	0.32	10.4451 (ppm)	519934.9098
5/8/2019 16:22:11	Continuing Calibration Verification	Be (313.107 nm)	0.44	0.2600 (ppm)	359848.9425
5/8/2019 16:22:11	Continuing Calibration Verification	Ca (227.547 nm)	0.53	24.1609 (ppm)	1505.5918
5/8/2019 16:22:11	Continuing Calibration Verification	Cd (214.439 nm)	0.55	0.5169 (ppm)	11079.6186
5/8/2019 16:22:11	Continuing Calibration Verification	Co (230.786 nm)	0.27	2.6606 (ppm)	35176.0189
5/8/2019 16:22:11	Continuing Calibration Verification	Cr (267.716 nm)	0.19	0.5164 (ppm)	22360.5908
5/8/2019 16:22:11	Continuing Calibration Verification	Cu (327.395 nm)	0.08	1.1953 (ppm)	80579.5135
5/8/2019 16:22:11	Continuing Calibration Verification	Fe (234.350 nm)	0.15	5.0073 (ppm)	56679.7996
5/8/2019 16:22:11	Continuing Calibration Verification	K (766.491 nm)	0.93	24.0228 (ppm)	89680.0036
5/8/2019 16:22:11	Continuing Calibration Verification	Mg (279.078 nm)	0.09	25.6566 (ppm)	59780.8252
5/8/2019 16:22:11	Continuing Calibration Verification	Mn (257.610 nm)	0.10	0.7651 (ppm)	249440.1937
5/8/2019 16:22:11	Continuing Calibration Verification	Mo (202.032 nm)	0.33	2.5353 (ppm)	14803.3266
5/8/2019 16:22:11	Continuing Calibration Verification	Na (588.995 nm)	0.92	23.6758 (ppm)	1201105.7543
5/8/2019 16:22:11	Continuing Calibration Verification	Ni (230.299 nm)	0.33	2.0415 (ppm)	21182.3589
5/8/2019 16:22:11	Continuing Calibration Verification	Pb (220.353 nm)	0.31	0.5129 (ppm)	1430.0886
5/8/2019 16:22:11	Continuing Calibration Verification	Sb (217.582 nm)	0.24	4.8546 (ppm)	5776.4063
5/8/2019 16:22:11	Continuing Calibration Verification	Se (196.026 nm)	0.95	0.4959 (ppm)	248.6635
5/8/2019 16:22:11	Continuing Calibration Verification	Sn (189.925 nm)	0.27	5.0870 (ppm)	3780.4556
5/8/2019 16:22:11	Continuing Calibration Verification	Sr (216.596 nm)	0.52	2.6249 (ppm)	27861.0074
5/8/2019 16:22:11	Continuing Calibration Verification	Ti (336.122 nm)	0.21	2.5263 (ppm)	645153.9593

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/8/2019 16:22:11	Continuing Calibration Verification	Tl (351.923 nm)	0.24	1.0009 (ppm)	3058.1505
5/8/2019 16:22:11	Continuing Calibration Verification	V (292.401 nm)	0.13	2.5696 (ppm)	84565.2445
5/8/2019 16:22:11	Continuing Calibration Verification	Y (360.074 nm)	0.37	0.98 (Ratio)	983816.17
5/8/2019 16:22:11	Continuing Calibration Verification	Y_R (360.074 nm)	0.37	0.98 (Ratio)	987446.89
5/8/2019 16:22:11	Continuing Calibration Verification	Zn (213.857 nm)	0.21	0.9995 (ppm)	34707.4151
5/8/2019 16:25:30	Continuing Calibration Blank	Ag (328.068 nm)	> 100.00	0.0000 u (ppm)	-117.1341
5/8/2019 16:25:30	Continuing Calibration Blank	Al (394.401 nm)	> 100.00	0.0000 u (ppm)	212.5265
5/8/2019 16:25:30	Continuing Calibration Blank	As (188.980 nm)	97.00	0.0024 u (ppm)	1.2335
5/8/2019 16:25:30	Continuing Calibration Blank	B (249.772 nm)	6.28	0.0027 (ppm)	169.2761
5/8/2019 16:25:30	Continuing Calibration Blank	Ba (230.424 nm)	7.32	0.0009 (ppm)	53.6054
5/8/2019 16:25:30	Continuing Calibration Blank	Be (313.107 nm)	13.58	0.0000 (ppm)	-279.3523
5/8/2019 16:25:30	Continuing Calibration Blank	Ca (227.547 nm)	> 100.00	0.0050 u (ppm)	3.2351
5/8/2019 16:25:30	Continuing Calibration Blank	Cd (214.439 nm)	> 100.00	0.0000 u (ppm)	8.3080
5/8/2019 16:25:30	Continuing Calibration Blank	Co (230.786 nm)	23.81	0.0005 (ppm)	-3.0830
5/8/2019 16:25:30	Continuing Calibration Blank	Cr (267.716 nm)	> 100.00	-0.0001 u (ppm)	12.7423
5/8/2019 16:25:30	Continuing Calibration Blank	Cu (327.395 nm)	> 100.00	0.0000 u (ppm)	11.2610
5/8/2019 16:25:30	Continuing Calibration Blank	Fe (234.350 nm)	33.45	0.0016 (ppm)	46.6268
5/8/2019 16:25:30	Continuing Calibration Blank	K (766.491 nm)	24.67	0.0362 (ppm)	82.2496
5/8/2019 16:25:30	Continuing Calibration Blank	Mg (279.078 nm)	> 100.00	-0.0002 u (ppm)	11.9690
5/8/2019 16:25:30	Continuing Calibration Blank	Mn (257.610 nm)	3.26	0.0001 (ppm)	75.2489
5/8/2019 16:25:30	Continuing Calibration Blank	Mo (202.032 nm)	12.66	0.0046 (ppm)	29.3468
5/8/2019 16:25:30	Continuing Calibration Blank	Na (588.995 nm)	14.70	0.0102 (ppm)	-8685.8438
5/8/2019 16:25:30	Continuing Calibration Blank	Ni (230.299 nm)	> 100.00	0.0003 u (ppm)	-8.7033
5/8/2019 16:25:30	Continuing Calibration Blank	Pb (220.353 nm)	46.29	-0.0007 u (ppm)	0.1932
5/8/2019 16:25:30	Continuing Calibration Blank	Sb (217.582 nm)	41.32	0.0031 (ppm)	1.8160
5/8/2019 16:25:30	Continuing Calibration Blank	Se (196.026 nm)	48.91	0.0015 (ppm)	2.3997
5/8/2019 16:25:30	Continuing Calibration Blank	Sn (189.925 nm)	> 100.00	-0.0002 u (ppm)	-0.9289
5/8/2019 16:25:30	Continuing Calibration Blank	Sr (216.596 nm)	0.70	0.0005 (ppm)	3.4515
5/8/2019 16:25:30	Continuing Calibration Blank	Ti (336.122 nm)	15.53	0.0017 (ppm)	308.8060
5/8/2019 16:25:30	Continuing Calibration Blank	Tl (351.923 nm)	54.00	0.0024 (ppm)	-0.3034
5/8/2019 16:25:30	Continuing Calibration Blank	V (292.401 nm)	24.05	0.0005 (ppm)	54.9467
5/8/2019 16:25:30	Continuing Calibration Blank	Y (360.074 nm)	0.49	1.00 (Ratio)	1004462.65
5/8/2019 16:25:30	Continuing Calibration Blank	Y_R (360.074 nm)	0.49	1.00 (Ratio)	1007922.88
5/8/2019 16:25:30	Continuing Calibration Blank	Zn (213.857 nm)	56.97	0.0001 (ppm)	-4.8130
5/8/2019 16:28:48	PBS-336095	Ag (328.068 nm)	84.94	0.0001 (ppm)	-116.5318
5/8/2019 16:28:48	PBS-336095	Al (394.401 nm)	10.87	0.0037 (ppm)	276.1297
5/8/2019 16:28:48	PBS-336095	As (188.980 nm)	53.06	0.0029 (ppm)	1.5901
5/8/2019 16:28:48	PBS-336095	B (249.772 nm)	8.27	0.0021 (ppm)	148.0463
5/8/2019 16:28:48	PBS-336095	Ba (230.424 nm)	41.61	0.0003 (ppm)	27.8269
5/8/2019 16:28:48	PBS-336095	Be (313.107 nm)	30.63	0.0000 (ppm)	-285.6557
5/8/2019 16:28:48	PBS-336095	Ca (227.547 nm)	> 100.00	0.0292 u (ppm)	4.7361
5/8/2019 16:28:48	PBS-336095	Cd (214.439 nm)	30.63	0.0001 (ppm)	9.8891
5/8/2019 16:28:48	PBS-336095	Co (230.786 nm)	> 100.00	0.0003 u (ppm)	-5.7039
5/8/2019 16:28:48	PBS-336095	Cr (267.716 nm)	7.70	0.0008 (ppm)	50.2020
5/8/2019 16:28:48	PBS-336095	Cu (327.395 nm)	19.62	0.0003 (ppm)	29.6846
5/8/2019 16:28:48	PBS-336095	Fe (234.350 nm)	2.10	0.0295 (ppm)	361.5953
5/8/2019 16:28:48	PBS-336095	K (766.491 nm)	2.23	0.2934 (ppm)	1043.2204
5/8/2019 16:28:48	PBS-336095	Mg (279.078 nm)	19.96	0.0009 (ppm)	14.6014
5/8/2019 16:28:48	PBS-336095	Mn (257.610 nm)	2.24	0.0004 (ppm)	162.9610
5/8/2019 16:28:48	PBS-336095	Mo (202.032 nm)	22.69	0.0011 (ppm)	8.6708
5/8/2019 16:28:48	PBS-336095	Na (588.995 nm)	3.04	0.0672 (ppm)	-5773.0359

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/8/2019 16:28:48	PBS-336095	Ni (230.299 nm)	49.95	-0.0002 u (ppm)	-13.9531
5/8/2019 16:28:48	PBS-336095	Pb (220.353 nm)	> 100.00	0.0002 u (ppm)	2.5100
5/8/2019 16:28:48	PBS-336095	Sb (217.582 nm)	41.71	0.0024 (ppm)	1.0039
5/8/2019 16:28:48	PBS-336095	Se (196.026 nm)	> 100.00	0.0002 u (ppm)	1.7613
5/8/2019 16:28:48	PBS-336095	Sn (189.925 nm)	10.19	0.0141 (ppm)	9.6664
5/8/2019 16:28:48	PBS-336095	Sr (216.596 nm)	> 100.00	0.0001 u (ppm)	-0.8999
5/8/2019 16:28:48	PBS-336095	Ti (336.122 nm)	0.42	0.0012 (ppm)	164.4902
5/8/2019 16:28:48	PBS-336095	Tl (351.923 nm)	> 100.00	0.0010 u (ppm)	-4.6362
5/8/2019 16:28:48	PBS-336095	V (292.401 nm)	5.21	0.0003 (ppm)	47.6788
5/8/2019 16:28:48	PBS-336095	Y (360.074 nm)	0.80	1.02 (Ratio)	1019314.02
5/8/2019 16:28:48	PBS-336095	Y_R (360.074 nm)	0.79	1.02 (Ratio)	1022755.46
5/8/2019 16:28:48	PBS-336095	Zn (213.857 nm)	1.38	0.0085 (ppm)	287.1732
5/8/2019 16:32:06	LCSS-336095	Ag (328.068 nm)	0.26	0.0489 (ppm)	3607.1460
5/8/2019 16:32:06	LCSS-336095	Al (394.401 nm)	0.24	1.8501 (ppm)	32748.1485
5/8/2019 16:32:06	LCSS-336095	As (188.980 nm)	8.84	0.0411 (ppm)	27.0224
5/8/2019 16:32:06	LCSS-336095	B (249.772 nm)	0.24	0.9771 (ppm)	39492.9610
5/8/2019 16:32:06	LCSS-336095	Ba (230.424 nm)	0.28	2.1099 (ppm)	105034.5378
5/8/2019 16:32:06	LCSS-336095	Be (313.107 nm)	0.06	0.0499 (ppm)	68802.9226
5/8/2019 16:32:06	LCSS-336095	Ca (227.547 nm)	0.60	1.9259 (ppm)	122.7025
5/8/2019 16:32:06	LCSS-336095	Cd (214.439 nm)	0.47	0.0513 (ppm)	1106.8694
5/8/2019 16:32:06	LCSS-336095	Co (230.786 nm)	0.12	0.5242 (ppm)	6923.3149
5/8/2019 16:32:06	LCSS-336095	Cr (267.716 nm)	0.16	0.2094 (ppm)	9075.1343
5/8/2019 16:32:06	LCSS-336095	Cu (327.395 nm)	0.40	0.2487 (ppm)	16775.8386
5/8/2019 16:32:06	LCSS-336095	Fe (234.350 nm)	0.10	1.0011 (ppm)	11354.7949
5/8/2019 16:32:06	LCSS-336095	K (766.491 nm)	0.51	19.2150 (ppm)	71721.1474
5/8/2019 16:32:06	LCSS-336095	Mg (279.078 nm)	0.17	1.9780 (ppm)	4620.2180
5/8/2019 16:32:06	LCSS-336095	Mn (257.610 nm)	0.22	0.5110 (ppm)	166620.0496
5/8/2019 16:32:06	LCSS-336095	Mo (202.032 nm)	0.46	0.5110 (ppm)	2985.3374
5/8/2019 16:32:06	LCSS-336095	Na (588.995 nm)	0.88	19.0202 (ppm)	963107.1524
5/8/2019 16:32:06	LCSS-336095	Ni (230.299 nm)	0.12	0.5065 (ppm)	5246.3700
5/8/2019 16:32:06	LCSS-336095	Pb (220.353 nm)	0.32	0.5132 (ppm)	1431.0082
5/8/2019 16:32:06	LCSS-336095	Sb (217.582 nm)	1.09	0.4696 (ppm)	557.1121
5/8/2019 16:32:06	LCSS-336095	Se (196.026 nm)	0.69	0.9636 (ppm)	481.5443
5/8/2019 16:32:06	LCSS-336095	Sn (189.925 nm)	0.21	4.9988 (ppm)	3714.8471
5/8/2019 16:32:06	LCSS-336095	Sr (216.596 nm)	0.30	2.0855 (ppm)	22136.0958
5/8/2019 16:32:06	LCSS-336095	Ti (336.122 nm)	0.13	0.5197 (ppm)	132621.5631
5/8/2019 16:32:06	LCSS-336095	Tl (351.923 nm)	0.49	1.8959 (ppm)	5799.3649
5/8/2019 16:32:06	LCSS-336095	V (292.401 nm)	0.23	0.5090 (ppm)	16781.6019
5/8/2019 16:32:06	LCSS-336095	Y (360.074 nm)	0.91	0.98 (Ratio)	987130.87
5/8/2019 16:32:06	LCSS-336095	Y_R (360.074 nm)	0.90	0.98 (Ratio)	990555.34
5/8/2019 16:32:06	LCSS-336095	Zn (213.857 nm)	0.14	0.5001 (ppm)	17362.4008
5/8/2019 16:35:25	R1902784-015	Ag (328.068 nm)	4.70	0.0009 (ppm)	-52.7528
5/8/2019 16:35:25	R1902784-015	Al (394.401 nm)	6.12	0.0201 (ppm)	565.9728
5/8/2019 16:35:25	R1902784-015	As (188.980 nm)	53.35	0.0062 (ppm)	3.7257
5/8/2019 16:35:25	R1902784-015	B (249.772 nm)	0.59	0.0481 (ppm)	2004.0311
5/8/2019 16:35:25	R1902784-015	Ba (230.424 nm)	3.14	0.0023 (ppm)	123.2854
5/8/2019 16:35:25	R1902784-015	Be (313.107 nm)	0.84	0.0005 (ppm)	373.1528
5/8/2019 16:35:25	R1902784-015	Ca (227.547 nm)	13.97	0.2651 (ppm)	19.4072
5/8/2019 16:35:25	R1902784-015	Cd (214.439 nm)	7.79	0.0005 (ppm)	19.3208
5/8/2019 16:35:25	R1902784-015	Co (230.786 nm)	6.23	0.0024 (ppm)	23.1879
5/8/2019 16:35:25	R1902784-015	Cr (267.716 nm)	1.57	0.0023 (ppm)	115.9983

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/8/2019 16:35:25	R1902784-015	Cu (327.395 nm)	3.19	0.0024 (ppm)	173.8590
5/8/2019 16:35:25	R1902784-015	Fe (234.350 nm)	2.43	0.0220 (ppm)	277.0894
5/8/2019 16:35:25	R1902784-015	K (766.491 nm)	1.78	0.3665 (ppm)	1316.0413
5/8/2019 16:35:25	R1902784-015	Mg (279.078 nm)	5.60	0.0147 (ppm)	46.7615
5/8/2019 16:35:25	R1902784-015	Mn (257.610 nm)	0.28	0.0022 (ppm)	760.5351
5/8/2019 16:35:25	R1902784-015	Mo (202.032 nm)	5.69	0.0031 (ppm)	20.6485
5/8/2019 16:35:25	R1902784-015	Na (588.995 nm)	0.60	0.1680 (ppm)	-618.1429
5/8/2019 16:35:25	R1902784-015	Ni (230.299 nm)	9.91	0.0051 (ppm)	41.1587
5/8/2019 16:35:25	R1902784-015	Pb (220.353 nm)	13.51	0.0034 (ppm)	11.5371
5/8/2019 16:35:25	R1902784-015	Sb (217.582 nm)	23.36	0.0088 (ppm)	8.5662
5/8/2019 16:35:25	R1902784-015	Se (196.026 nm)	20.30	0.0055 (ppm)	4.4242
5/8/2019 16:35:25	R1902784-015	Sn (189.925 nm)	4.18	0.0625 (ppm)	45.6789
5/8/2019 16:35:25	R1902784-015	Sr (216.596 nm)	5.96	0.0024 (ppm)	23.1454
5/8/2019 16:35:25	R1902784-015	Tl (336.122 nm)	4.94	0.0022 (ppm)	424.9189
5/8/2019 16:35:25	R1902784-015	Tl (351.923 nm)	20.63	0.0116 (ppm)	27.9722
5/8/2019 16:35:25	R1902784-015	V (292.401 nm)	16.55	0.0011 (ppm)	74.0574
5/8/2019 16:35:25	R1902784-015	Y (360.074 nm)	1.00	1.02 (Ratio)	1023610.54
5/8/2019 16:35:25	R1902784-015	Y_R (360.074 nm)	1.00	1.02 (Ratio)	1027176.24
5/8/2019 16:35:25	R1902784-015	Zn (213.857 nm)	0.90	0.0090 (ppm)	304.5876
5/8/2019 16:38:44	R1903900-001	Ag (328.068 nm)	2.22	0.0012 (ppm)	-32.1905
5/8/2019 16:38:44	R1903900-001	Al (394.401 nm)	0.52	4.3472 (ppm)	76664.8929
5/8/2019 16:38:44	R1903900-001	As (188.980 nm)	45.60	0.0052 (ppm)	3.0933
5/8/2019 16:38:44	R1903900-001	B (249.772 nm)	1.30	0.0203 (ppm)	881.3190
5/8/2019 16:38:44	R1903900-001	Ba (230.424 nm)	1.04	0.4376 (ppm)	21795.6802
5/8/2019 16:38:44	R1903900-001	Be (313.107 nm)	2.75	0.0002 (ppm)	-44.0238
5/8/2019 16:38:44	R1903900-001	Ca (227.547 nm)	0.77	9.3915 (ppm)	587.0188
5/8/2019 16:38:44	R1903900-001	Cd (214.439 nm)	2.68	0.0011 (ppm)	32.2844
5/8/2019 16:38:44	R1903900-001	Co (230.786 nm)	2.40	0.0031 (ppm)	31.7718
5/8/2019 16:38:44	R1903900-001	Cr (267.716 nm)	0.18	0.0283 (ppm)	1237.8859
5/8/2019 16:38:44	R1903900-001	Cu (327.395 nm)	0.30	0.3134 (ppm)	21138.0252
5/8/2019 16:38:44	R1903900-001	Fe (234.350 nm)	0.13	11.3862 o (ppm)	128849.5334
5/8/2019 16:38:44	R1903900-001	K (766.491 nm)	0.72	1.9712 (ppm)	7310.2456
5/8/2019 16:38:44	R1903900-001	Mg (279.078 nm)	0.22	2.3080 (ppm)	5389.0440
5/8/2019 16:38:44	R1903900-001	Mn (257.610 nm)	0.13	0.5628 (ppm)	183493.8849
5/8/2019 16:38:44	R1903900-001	Mo (202.032 nm)	7.16	0.0046 (ppm)	28.9818
5/8/2019 16:38:44	R1903900-001	Na (588.995 nm)	0.50	0.9406 (ppm)	38877.3073
5/8/2019 16:38:44	R1903900-001	Ni (230.299 nm)	6.10	0.0158 (ppm)	152.1800
5/8/2019 16:38:44	R1903900-001	Pb (220.353 nm)	2.12	0.0646 (ppm)	182.0016
5/8/2019 16:38:44	R1903900-001	Sb (217.582 nm)	48.00	0.0032 (ppm)	1.9534
5/8/2019 16:38:44	R1903900-001	Se (196.026 nm)	> 100.00	0.0006 u (ppm)	1.9789
5/8/2019 16:38:44	R1903900-001	Sn (189.925 nm)	4.81	0.0286 (ppm)	20.4264
5/8/2019 16:38:44	R1903900-001	Sr (216.596 nm)	0.93	0.0306 (ppm)	322.4920
5/8/2019 16:38:44	R1903900-001	Tl (336.122 nm)	2.13	0.1727 (ppm)	43994.4825
5/8/2019 16:38:44	R1903900-001	Tl (351.923 nm)	> 100.00	0.0023 (ppm)	-0.4869
5/8/2019 16:38:44	R1903900-001	V (292.401 nm)	0.76	0.0084 (ppm)	315.2674
5/8/2019 16:38:44	R1903900-001	Y (360.074 nm)	0.76	1.01 (Ratio)	1009148.14
5/8/2019 16:38:44	R1903900-001	Y_R (360.074 nm)	0.75	1.01 (Ratio)	1012639.17
5/8/2019 16:38:44	R1903900-001	Zn (213.857 nm)	0.79	0.3993 (ppm)	13862.7565
5/8/2019 16:42:02	R1903943-003	Ag (328.068 nm)	1.10	0.0155 (ppm)	1063.2670
5/8/2019 16:42:02	R1903943-003	Al (394.401 nm)	0.19	64.1338 o (ppm)	1128112.9527
5/8/2019 16:42:02	R1903943-003	As (188.980 nm)	35.38	0.0120 (ppm)	7.6342

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/8/2019 16:42:02	R1903943-003	B (249.772 nm)	0.56	0.0334 (ppm)	1409.0421
5/8/2019 16:42:02	R1903943-003	Ba (230.424 nm)	0.36	0.6325 (ppm)	31496.0665
5/8/2019 16:42:02	R1903943-003	Be (313.107 nm)	1.16	0.0004 (ppm)	183.7863
5/8/2019 16:42:02	R1903943-003	Ca (227.547 nm)	0.24	62.2739 o (ppm)	3875.9971
5/8/2019 16:42:02	R1903943-003	Cd (214.439 nm)	5.68	0.0023 (ppm)	56.7243
5/8/2019 16:42:02	R1903943-003	Co (230.786 nm)	6.02	0.0056 (ppm)	64.6844
5/8/2019 16:42:02	R1903943-003	Cr (267.716 nm)	0.36	0.0492 (ppm)	2146.3692
5/8/2019 16:42:02	R1903943-003	Cu (327.395 nm)	0.13	0.6443 (ppm)	43440.3847
5/8/2019 16:42:02	R1903943-003	Fe (234.350 nm)	0.08	25.0273 o (ppm)	283182.6982
5/8/2019 16:42:02	R1903943-003	K (766.491 nm)	0.11	2.0665 (ppm)	7666.2503
5/8/2019 16:42:02	R1903943-003	Mg (279.078 nm)	0.21	6.4670 (ppm)	15077.6037
5/8/2019 16:42:02	R1903943-003	Mn (257.610 nm)	0.14	1.5873 (ppm)	517457.1338
5/8/2019 16:42:02	R1903943-003	Mo (202.032 nm)	1.64	0.0097 (ppm)	58.9808
5/8/2019 16:42:02	R1903943-003	Na (588.995 nm)	0.49	2.3382 (ppm)	110322.5090
5/8/2019 16:42:02	R1903943-003	Ni (230.299 nm)	3.41	0.0246 (ppm)	244.1706
5/8/2019 16:42:02	R1903943-003	Pb (220.353 nm)	3.29	0.0829 (ppm)	232.9610
5/8/2019 16:42:02	R1903943-003	Sb (217.582 nm)	38.88	0.0054 (ppm)	4.6042
5/8/2019 16:42:02	R1903943-003	Se (196.026 nm)	66.56	0.0105 (ppm)	6.8961
5/8/2019 16:42:02	R1903943-003	Sn (189.925 nm)	1.49	0.0694 (ppm)	50.7788
5/8/2019 16:42:02	R1903943-003	Sr (216.596 nm)	0.33	0.1411 (ppm)	1495.6809
5/8/2019 16:42:02	R1903943-003	Tl (336.122 nm)	0.95	0.2024 (ppm)	51561.7825
5/8/2019 16:42:02	R1903943-003	Tl (351.923 nm)	> 100.00	-0.0014 u (ppm)	-11.8150
5/8/2019 16:42:02	R1903943-003	V (292.401 nm)	0.86	0.0160 (ppm)	565.0723
5/8/2019 16:42:02	R1903943-003	Y (360.074 nm)	0.67	0.97 (Ratio)	975322.08
5/8/2019 16:42:02	R1903943-003	Y_R (360.074 nm)	0.67	0.97 (Ratio)	978874.83
5/8/2019 16:42:02	R1903943-003	Zn (213.857 nm)	0.75	1.4361 (ppm)	49870.7729
5/8/2019 16:45:22	R1903957-002	Ag (328.068 nm)	1.81	0.0052 (ppm)	275.1670
5/8/2019 16:45:22	R1903957-002	Al (394.401 nm)	0.32	45.3546 o (ppm)	797849.7476
5/8/2019 16:45:22	R1903957-002	As (188.980 nm)	5.03	0.0939 (ppm)	62.1526
5/8/2019 16:45:22	R1903957-002	B (249.772 nm)	0.17	0.1281 (ppm)	5231.2756
5/8/2019 16:45:22	R1903957-002	Ba (230.424 nm)	0.31	1.0433 (ppm)	51943.4728
5/8/2019 16:45:22	R1903957-002	Be (313.107 nm)	0.17	0.0030 (ppm)	3854.8650
5/8/2019 16:45:22	R1903957-002	Ca (227.547 nm)	0.24	453.5748 o (ppm)	28212.6606
5/8/2019 16:45:22	R1903957-002	Cd (214.439 nm)	0.42	0.0059 (ppm)	133.7138
5/8/2019 16:45:22	R1903957-002	Co (230.786 nm)	0.13	0.0370 (ppm)	480.4549
5/8/2019 16:45:22	R1903957-002	Cr (267.716 nm)	0.18	0.1095 (ppm)	4753.8197
5/8/2019 16:45:22	R1903957-002	Cu (327.395 nm)	0.29	0.9735 (ppm)	65628.2648
5/8/2019 16:45:22	R1903957-002	Fe (234.350 nm)	0.09	101.4701 o (ppm)	1148042.2156
5/8/2019 16:45:22	R1903957-002	K (766.491 nm)	0.49	9.4706 (ppm)	35322.7273
5/8/2019 16:45:22	R1903957-002	Mg (279.078 nm)	0.14	144.9068 o (ppm)	337580.9539
5/8/2019 16:45:22	R1903957-002	Mn (257.610 nm)	0.21	2.9566 o (ppm)	963798.9117
5/8/2019 16:45:22	R1903957-002	Mo (202.032 nm)	1.85	0.0075 (ppm)	46.0591
5/8/2019 16:45:22	R1903957-002	Na (588.995 nm)	0.51	3.0814 (ppm)	148313.9707
5/8/2019 16:45:22	R1903957-002	Ni (230.299 nm)	0.63	0.0933 (ppm)	957.4191
5/8/2019 16:45:22	R1903957-002	Pb (220.353 nm)	0.16	0.6973 (ppm)	1943.5785
5/8/2019 16:45:22	R1903957-002	Sb (217.582 nm)	53.53	0.0032 (ppm)	1.9717
5/8/2019 16:45:22	R1903957-002	Se (196.026 nm)	82.48	0.0025 (ppm)	2.8963
5/8/2019 16:45:22	R1903957-002	Sn (189.925 nm)	2.27	0.0427 (ppm)	30.9508
5/8/2019 16:45:22	R1903957-002	Sr (216.596 nm)	0.29	0.6459 (ppm)	6854.2576
5/8/2019 16:45:22	R1903957-002	Tl (336.122 nm)	0.18	1.1911 (ppm)	304110.3108
5/8/2019 16:45:22	R1903957-002	Tl (351.923 nm)	18.42	0.0098 (ppm)	22.4170

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/8/2019 16:45:22	R1903957-002	V (292.401 nm)	0.08	0.1427 (ppm)	4734.3648
5/8/2019 16:45:22	R1903957-002	Y (360.074 nm)	0.72	0.93 (Ratio)	934610.20
5/8/2019 16:45:22	R1903957-002	Y_R (360.074 nm)	0.71	0.93 (Ratio)	938175.81
5/8/2019 16:45:22	R1903957-002	Zn (213.857 nm)	0.05	1.9950 (ppm)	69285.5245
5/8/2019 16:48:41	R1903957-002S	Ag (328.068 nm)	0.64	0.0562 (ppm)	4158.2785
5/8/2019 16:48:41	R1903957-002S	Al (394.401 nm)	0.04	55.2494 o (ppm)	971865.9584
5/8/2019 16:48:41	R1903957-002S	As (188.980 nm)	2.83	0.1850 (ppm)	122.8858
5/8/2019 16:48:41	R1903957-002S	B (249.772 nm)	0.08	1.1795 (ppm)	47662.0613
5/8/2019 16:48:41	R1903957-002S	Ba (230.424 nm)	0.60	3.3805 (ppm)	168280.9171
5/8/2019 16:48:41	R1903957-002S	Be (313.107 nm)	0.27	0.0507 (ppm)	69965.6930
5/8/2019 16:48:41	R1903957-002S	Ca (227.547 nm)	0.04	396.7451 o (ppm)	24678.1794
5/8/2019 16:48:41	R1903957-002S	Cd (214.439 nm)	0.29	0.0586 (ppm)	1262.3929
5/8/2019 16:48:41	R1903957-002S	Co (230.786 nm)	0.07	0.5113 (ppm)	6752.0149
5/8/2019 16:48:41	R1903957-002S	Cr (267.716 nm)	0.20	0.3258 (ppm)	14114.2053
5/8/2019 16:48:41	R1903957-002S	Cu (327.395 nm)	0.26	0.9520 (ppm)	64178.0035
5/8/2019 16:48:41	R1903957-002S	Fe (234.350 nm)	0.12	277.5185 o (ppm)	3139821.6033
5/8/2019 16:48:41	R1903957-002S	K (766.491 nm)	0.26	29.7407 (ppm)	111038.1791
5/8/2019 16:48:41	R1903957-002S	Mg (279.078 nm)	0.30	122.0917 o (ppm)	284431.9097
5/8/2019 16:48:41	R1903957-002S	Mn (257.610 nm)	0.19	3.9769 o (ppm)	1296394.7218
5/8/2019 16:48:41	R1903957-002S	Mo (202.032 nm)	0.46	0.4904 (ppm)	2865.4700
5/8/2019 16:48:41	R1903957-002S	Na (588.995 nm)	0.32	27.1528 (ppm)	1378850.4083
5/8/2019 16:48:41	R1903957-002S	Ni (230.299 nm)	0.02	0.5567 (ppm)	5767.5106
5/8/2019 16:48:41	R1903957-002S	Pb (220.353 nm)	0.31	1.3722 o (ppm)	3822.5996
5/8/2019 16:48:41	R1903957-002S	Sb (217.582 nm)	0.71	0.3620 (ppm)	428.9965
5/8/2019 16:48:41	R1903957-002S	Se (196.026 nm)	1.46	0.9680 (ppm)	483.7530
5/8/2019 16:48:41	R1903957-002S	Sn (189.925 nm)	0.28	4.7015 (ppm)	3493.8702
5/8/2019 16:48:41	R1903957-002S	Sr (216.596 nm)	0.44	2.5595 (ppm)	27167.2868
5/8/2019 16:48:41	R1903957-002S	Ti (336.122 nm)	0.36	1.7802 (ppm)	454569.0689
5/8/2019 16:48:41	R1903957-002S	Tl (351.923 nm)	0.24	1.9759 (ppm)	6044.3350
5/8/2019 16:48:41	R1903957-002S	V (292.401 nm)	0.15	0.6638 (ppm)	21874.6783
5/8/2019 16:48:41	R1903957-002S	Y (360.074 nm)	0.56	0.93 (Ratio)	931726.21
5/8/2019 16:48:41	R1903957-002S	Y_R (360.074 nm)	0.55	0.93 (Ratio)	935371.61
5/8/2019 16:48:41	R1903957-002S	Zn (213.857 nm)	1.07	2.8707 o (ppm)	99698.8525
5/8/2019 16:52:00	R1903957-002SD	Ag (328.068 nm)	0.38	0.0549 (ppm)	4061.8294
5/8/2019 16:52:00	R1903957-002SD	Al (394.401 nm)	0.19	52.2224 o (ppm)	918630.4281
5/8/2019 16:52:00	R1903957-002SD	As (188.980 nm)	2.12	0.1671 (ppm)	110.9431
5/8/2019 16:52:00	R1903957-002SD	B (249.772 nm)	0.18	1.0938 (ppm)	44202.6502
5/8/2019 16:52:00	R1903957-002SD	Ba (230.424 nm)	0.22	3.0580 (ppm)	152227.4365
5/8/2019 16:52:00	R1903957-002SD	Be (313.107 nm)	0.28	0.0514 (ppm)	70930.1508
5/8/2019 16:52:00	R1903957-002SD	Ca (227.547 nm)	0.36	362.1128 o (ppm)	22524.2529
5/8/2019 16:52:00	R1903957-002SD	Cd (214.439 nm)	0.12	0.0538 (ppm)	1159.4720
5/8/2019 16:52:00	R1903957-002SD	Co (230.786 nm)	0.28	0.5134 (ppm)	6781.0433
5/8/2019 16:52:00	R1903957-002SD	Cr (267.716 nm)	0.29	0.3121 (ppm)	13520.8598
5/8/2019 16:52:00	R1903957-002SD	Cu (327.395 nm)	0.27	1.0761 (ppm)	72545.4970
5/8/2019 16:52:00	R1903957-002SD	Fe (234.350 nm)	0.36	121.6115 o (ppm)	1375918.2798
5/8/2019 16:52:00	R1903957-002SD	K (766.491 nm)	0.42	29.6881 (ppm)	110841.5710
5/8/2019 16:52:00	R1903957-002SD	Mg (279.078 nm)	0.22	120.0216 o (ppm)	279609.5132
5/8/2019 16:52:00	R1903957-002SD	Mn (257.610 nm)	0.43	3.1197 o (ppm)	1016979.2848
5/8/2019 16:52:00	R1903957-002SD	Mo (202.032 nm)	0.56	0.4889 (ppm)	2856.4611
5/8/2019 16:52:00	R1903957-002SD	Na (588.995 nm)	0.73	23.7441 (ppm)	1204593.7451
5/8/2019 16:52:00	R1903957-002SD	Ni (230.299 nm)	0.39	0.5606 (ppm)	5808.6222

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/8/2019 16:52:00	R1903957-002SD	Pb (220.353 nm)	0.25	1.3271 o (ppm)	3697.1239
5/8/2019 16:52:00	R1903957-002SD	Sb (217.582 nm)	0.43	0.3797 (ppm)	450.0139
5/8/2019 16:52:00	R1903957-002SD	Se (196.026 nm)	0.16	0.9699 (ppm)	484.6844
5/8/2019 16:52:00	R1903957-002SD	Sn (189.925 nm)	0.41	4.7409 (ppm)	3523.1734
5/8/2019 16:52:00	R1903957-002SD	Sr (216.596 nm)	0.46	2.4487 (ppm)	25990.6421
5/8/2019 16:52:00	R1903957-002SD	Ti (336.122 nm)	0.29	1.7377 (ppm)	443729.5018
5/8/2019 16:52:00	R1903957-002SD	Tl (351.923 nm)	0.29	1.9601 (ppm)	5996.1009
5/8/2019 16:52:00	R1903957-002SD	V (292.401 nm)	0.14	0.6356 (ppm)	20947.9410
5/8/2019 16:52:00	R1903957-002SD	Y (360.074 nm)	0.65	0.94 (Ratio)	944751.50
5/8/2019 16:52:00	R1903957-002SD	Y_R (360.074 nm)	0.64	0.94 (Ratio)	948286.85
5/8/2019 16:52:00	R1903957-002SD	Zn (213.857 nm)	0.63	3.0420 o (ppm)	105650.9979
5/8/2019 16:55:19	R1903957-002A	Ag (328.068 nm)	0.09	0.0518 (ppm)	3825.0862
5/8/2019 16:55:19	R1903957-002A	Al (394.401 nm)	0.20	46.1565 o (ppm)	811952.0961
5/8/2019 16:55:19	R1903957-002A	As (188.980 nm)	2.41	0.1244 (ppm)	82.4709
5/8/2019 16:55:19	R1903957-002A	B (249.772 nm)	0.09	1.0786 (ppm)	43588.7358
5/8/2019 16:55:19	R1903957-002A	Ba (230.424 nm)	0.25	2.8697 (ppm)	142856.1285
5/8/2019 16:55:19	R1903957-002A	Be (313.107 nm)	0.16	0.0488 (ppm)	67256.6074
5/8/2019 16:55:19	R1903957-002A	Ca (227.547 nm)	0.30	443.2913 o (ppm)	27573.0862
5/8/2019 16:55:19	R1903957-002A	Cd (214.439 nm)	1.16	0.0501 (ppm)	1081.6950
5/8/2019 16:55:19	R1903957-002A	Co (230.786 nm)	0.01	0.4871 (ppm)	6431.9654
5/8/2019 16:55:19	R1903957-002A	Cr (267.716 nm)	0.05	0.2923 (ppm)	12663.9180
5/8/2019 16:55:19	R1903957-002A	Cu (327.395 nm)	0.66	1.1782 (ppm)	79426.0505
5/8/2019 16:55:19	R1903957-002A	Fe (234.350 nm)	0.23	99.6459 o (ppm)	1127404.0967
5/8/2019 16:55:19	R1903957-002A	K (766.491 nm)	0.36	29.7124 (ppm)	110932.1663
5/8/2019 16:55:19	R1903957-002A	Mg (279.078 nm)	0.04	142.7327 o (ppm)	332516.2529
5/8/2019 16:55:19	R1903957-002A	Mn (257.610 nm)	0.07	3.3081 o (ppm)	1078386.4080
5/8/2019 16:55:19	R1903957-002A	Mo (202.032 nm)	0.21	0.4884 (ppm)	2853.8596
5/8/2019 16:55:19	R1903957-002A	Na (588.995 nm)	0.95	22.8942 (ppm)	1161146.4837
5/8/2019 16:55:19	R1903957-002A	Ni (230.299 nm)	0.24	0.5263 (ppm)	5452.5522
5/8/2019 16:55:19	R1903957-002A	Pb (220.353 nm)	0.21	1.1222 o (ppm)	3126.6593
5/8/2019 16:55:19	R1903957-002A	Sb (217.582 nm)	0.48	0.4708 (ppm)	558.5497
5/8/2019 16:55:19	R1903957-002A	Se (196.026 nm)	0.66	1.0463 (ppm)	522.7572
5/8/2019 16:55:19	R1903957-002A	Sn (189.925 nm)	0.14	4.6752 (ppm)	3474.3567
5/8/2019 16:55:19	R1903957-002A	Sr (216.596 nm)	0.09	2.6529 (ppm)	28159.2208
5/8/2019 16:55:19	R1903957-002A	Ti (336.122 nm)	0.08	1.6495 (ppm)	421199.5901
5/8/2019 16:55:19	R1903957-002A	Tl (351.923 nm)	0.30	1.9126 (ppm)	5850.6158
5/8/2019 16:55:19	R1903957-002A	V (292.401 nm)	0.13	0.6045 (ppm)	19925.7286
5/8/2019 16:55:19	R1903957-002A	Y (360.074 nm)	0.72	0.93 (Ratio)	933344.28
5/8/2019 16:55:19	R1903957-002A	Y_R (360.074 nm)	0.72	0.93 (Ratio)	936792.70
5/8/2019 16:55:19	R1903957-002A	Zn (213.857 nm)	0.08	2.4068 o (ppm)	83588.9821
5/8/2019 16:58:38	R1903957-002L	Ag (328.068 nm)	1.95	0.0009 (ppm)	-52.2863
5/8/2019 16:58:38	R1903957-002L	Al (394.401 nm)	0.16	8.5579 (ppm)	150716.4387
5/8/2019 16:58:38	R1903957-002L	As (188.980 nm)	18.84	0.0152 (ppm)	9.7228
5/8/2019 16:58:38	R1903957-002L	B (249.772 nm)	0.87	0.0271 (ppm)	1154.7864
5/8/2019 16:58:38	R1903957-002L	Ba (230.424 nm)	0.23	0.2190 (ppm)	10910.2450
5/8/2019 16:58:38	R1903957-002L	Be (313.107 nm)	0.83	0.0006 (ppm)	568.2175
5/8/2019 16:58:38	R1903957-002L	Ca (227.547 nm)	0.25	87.1912 o (ppm)	5425.7116
5/8/2019 16:58:38	R1903957-002L	Cd (214.439 nm)	10.77	0.0012 (ppm)	33.8666
5/8/2019 16:58:38	R1903957-002L	Co (230.786 nm)	3.48	0.0079 (ppm)	94.8448
5/8/2019 16:58:38	R1903957-002L	Cr (267.716 nm)	0.66	0.0227 (ppm)	996.9134
5/8/2019 16:58:38	R1903957-002L	Cu (327.395 nm)	0.31	0.1884 (ppm)	12712.2105

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/8/2019 16:58:38	R1903957-002L	Fe (234.350 nm)	0.01	22.4430 o (ppm)	253944.5499
5/8/2019 16:58:38	R1903957-002L	K (766.491 nm)	0.34	1.7205 (ppm)	6373.5562
5/8/2019 16:58:38	R1903957-002L	Mg (279.078 nm)	0.07	29.7122 (ppm)	69228.7697
5/8/2019 16:58:38	R1903957-002L	Mn (257.610 nm)	0.04	0.6274 (ppm)	204561.6730
5/8/2019 16:58:38	R1903957-002L	Mo (202.032 nm)	21.61	0.0023 (ppm)	15.6803
5/8/2019 16:58:38	R1903957-002L	Na (588.995 nm)	0.67	0.5667 (ppm)	19764.4010
5/8/2019 16:58:38	R1903957-002L	Ni (230.299 nm)	1.73	0.0208 (ppm)	203.9712
5/8/2019 16:58:38	R1903957-002L	Pb (220.353 nm)	0.99	0.1496 (ppm)	418.5842
5/8/2019 16:58:38	R1903957-002L	Sb (217.582 nm)	> 100.00	0.0014 u (ppm)	-0.2637
5/8/2019 16:58:38	R1903957-002L	Se (196.026 nm)	> 100.00	-0.0036 u (ppm)	-0.1201
5/8/2019 16:58:38	R1903957-002L	Sn (189.925 nm)	47.00	0.0079 (ppm)	5.0671
5/8/2019 16:58:38	R1903957-002L	Sr (216.596 nm)	0.70	0.1372 (ppm)	1454.0170
5/8/2019 16:58:38	R1903957-002L	Ti (336.122 nm)	0.46	0.2461 (ppm)	62720.3551
5/8/2019 16:58:38	R1903957-002L	Tl (351.923 nm)	71.04	0.0027 (ppm)	0.7106
5/8/2019 16:58:38	R1903957-002L	V (292.401 nm)	0.65	0.0291 (ppm)	996.0919
5/8/2019 16:58:38	R1903957-002L	Y (360.074 nm)	0.55	0.97 (Ratio)	975893.26
5/8/2019 16:58:38	R1903957-002L	Y_R (360.074 nm)	0.54	0.97 (Ratio)	979149.59
5/8/2019 16:58:38	R1903957-002L	Zn (213.857 nm)	0.75	0.4055 (ppm)	14077.9879
5/8/2019 17:01:57	Continuing Calibration Verification	Ag (328.068 nm)	0.30	0.4916 (ppm)	37329.4901
5/8/2019 17:01:57	Continuing Calibration Verification	Al (394.401 nm)	0.42	9.6076 (ppm)	169178.3439
5/8/2019 17:01:57	Continuing Calibration Verification	As (188.980 nm)	0.80	0.9678 (ppm)	644.3806
5/8/2019 17:01:57	Continuing Calibration Verification	B (249.772 nm)	0.21	2.4644 (ppm)	99517.7299
5/8/2019 17:01:57	Continuing Calibration Verification	Ba (230.424 nm)	0.15	10.3342 (ppm)	514413.5806
5/8/2019 17:01:57	Continuing Calibration Verification	Be (313.107 nm)	0.33	0.2546 (ppm)	352349.0152
5/8/2019 17:01:57	Continuing Calibration Verification	Ca (227.547 nm)	0.47	24.2549 (ppm)	1511.4398
5/8/2019 17:01:57	Continuing Calibration Verification	Cd (214.439 nm)	0.11	0.4989 (ppm)	10695.7229
5/8/2019 17:01:57	Continuing Calibration Verification	Co (230.786 nm)	0.25	2.6134 (ppm)	34552.9893
5/8/2019 17:01:57	Continuing Calibration Verification	Cr (267.716 nm)	0.22	0.5086 (ppm)	22025.8808
5/8/2019 17:01:57	Continuing Calibration Verification	Cu (327.395 nm)	0.61	1.1970 (ppm)	80694.2672
5/8/2019 17:01:57	Continuing Calibration Verification	Fe (234.350 nm)	0.20	4.9195 (ppm)	55686.4124
5/8/2019 17:01:57	Continuing Calibration Verification	K (766.491 nm)	1.02	24.3253 (ppm)	90809.7380
5/8/2019 17:01:57	Continuing Calibration Verification	Mg (279.078 nm)	0.06	25.1531 (ppm)	58607.9608
5/8/2019 17:01:57	Continuing Calibration Verification	Mn (257.610 nm)	0.26	0.7530 (ppm)	245475.4385
5/8/2019 17:01:57	Continuing Calibration Verification	Mo (202.032 nm)	0.15	2.4937 (ppm)	14560.7158
5/8/2019 17:01:57	Continuing Calibration Verification	Na (588.995 nm)	1.09	24.0083 (ppm)	1218099.0863
5/8/2019 17:01:57	Continuing Calibration Verification	Ni (230.299 nm)	0.16	2.0032 (ppm)	20784.0690
5/8/2019 17:01:57	Continuing Calibration Verification	Pb (220.353 nm)	0.17	0.5025 (ppm)	1401.1261
5/8/2019 17:01:57	Continuing Calibration Verification	Sb (217.582 nm)	0.26	4.8007 (ppm)	5712.2441
5/8/2019 17:01:57	Continuing Calibration Verification	Se (196.026 nm)	1.36	0.4810 (ppm)	241.2227
5/8/2019 17:01:57	Continuing Calibration Verification	Sn (189.925 nm)	0.44	4.9740 (ppm)	3696.4132
5/8/2019 17:01:57	Continuing Calibration Verification	Sr (216.596 nm)	0.03	2.5744 (ppm)	27325.9867
5/8/2019 17:01:57	Continuing Calibration Verification	Ti (336.122 nm)	0.21	2.5179 (ppm)	643013.7688
5/8/2019 17:01:57	Continuing Calibration Verification	Tl (351.923 nm)	0.51	0.9987 (ppm)	3051.3716
5/8/2019 17:01:57	Continuing Calibration Verification	V (292.401 nm)	0.32	2.5496 (ppm)	83908.6946
5/8/2019 17:01:57	Continuing Calibration Verification	Y (360.074 nm)	0.77	0.96 (Ratio)	963875.09
5/8/2019 17:01:57	Continuing Calibration Verification	Y_R (360.074 nm)	0.77	0.96 (Ratio)	967024.78
5/8/2019 17:01:57	Continuing Calibration Verification	Zn (213.857 nm)	0.21	0.9833 (ppm)	34143.9565
5/8/2019 17:05:15	Continuing Calibration Blank	Ag (328.068 nm)	> 100.00	0.0000 u (ppm)	-121.5621
5/8/2019 17:05:15	Continuing Calibration Blank	Al (394.401 nm)	92.12	-0.0003 u (ppm)	207.1870
5/8/2019 17:05:15	Continuing Calibration Blank	As (188.980 nm)	63.68	-0.0030 u (ppm)	-2.3715
5/8/2019 17:05:15	Continuing Calibration Blank	B (249.772 nm)	14.91	0.0010 (ppm)	100.6093

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/8/2019 17:05:15	Continuing Calibration Blank	Ba (230.424 nm)	37.25	0.0007 (ppm)	44.2494
5/8/2019 17:05:15	Continuing Calibration Blank	Be (313.107 nm)	13.68	0.0000 (ppm)	-269.5600
5/8/2019 17:05:15	Continuing Calibration Blank	Ca (227.547 nm)	> 100.00	0.0098 u (ppm)	3.5332
5/8/2019 17:05:15	Continuing Calibration Blank	Cd (214.439 nm)	> 100.00	0.0000 u (ppm)	8.5475
5/8/2019 17:05:15	Continuing Calibration Blank	Co (230.786 nm)	53.40	0.0004 (ppm)	-4.4365
5/8/2019 17:05:15	Continuing Calibration Blank	Cr (267.716 nm)	> 100.00	0.0000 u (ppm)	14.1935
5/8/2019 17:05:15	Continuing Calibration Blank	Cu (327.395 nm)	50.79	0.0003 (ppm)	30.9964
5/8/2019 17:05:15	Continuing Calibration Blank	Fe (234.350 nm)	13.39	0.0047 (ppm)	81.6455
5/8/2019 17:05:15	Continuing Calibration Blank	K (766.491 nm)	14.22	0.0326 (ppm)	68.8594
5/8/2019 17:05:15	Continuing Calibration Blank	Mg (279.078 nm)	> 100.00	0.0003 u (ppm)	13.1316
5/8/2019 17:05:15	Continuing Calibration Blank	Mn (257.610 nm)	11.53	0.0002 (ppm)	83.8461
5/8/2019 17:05:15	Continuing Calibration Blank	Mo (202.032 nm)	11.71	0.0038 (ppm)	24.8744
5/8/2019 17:05:15	Continuing Calibration Blank	Na (588.995 nm)	50.64	0.0061 (ppm)	-8897.7194
5/8/2019 17:05:15	Continuing Calibration Blank	Ni (230.299 nm)	> 100.00	0.0000 u (ppm)	-11.6283
5/8/2019 17:05:15	Continuing Calibration Blank	Pb (220.353 nm)	> 100.00	-0.0004 u (ppm)	0.7554
5/8/2019 17:05:15	Continuing Calibration Blank	Sb (217.582 nm)	30.21	0.0014 (ppm)	-0.2458
5/8/2019 17:05:15	Continuing Calibration Blank	Se (196.026 nm)	> 100.00	0.0000 u (ppm)	1.6796
5/8/2019 17:05:15	Continuing Calibration Blank	Sn (189.925 nm)	> 100.00	0.0006 u (ppm)	-0.3975
5/8/2019 17:05:15	Continuing Calibration Blank	Sr (216.596 nm)	> 100.00	0.0000 u (ppm)	-2.3919
5/8/2019 17:05:15	Continuing Calibration Blank	Ti (336.122 nm)	24.19	0.0020 (ppm)	385.8488
5/8/2019 17:05:15	Continuing Calibration Blank	Tl (351.923 nm)	> 100.00	0.0014 u (ppm)	-3.4682
5/8/2019 17:05:15	Continuing Calibration Blank	V (292.401 nm)	72.78	0.0002 (ppm)	45.1911
5/8/2019 17:05:15	Continuing Calibration Blank	Y (360.074 nm)	0.42	1.01 (Ratio)	1015828.07
5/8/2019 17:05:15	Continuing Calibration Blank	Y_R (360.074 nm)	0.41	1.01 (Ratio)	1019153.69
5/8/2019 17:05:15	Continuing Calibration Blank	Zn (213.857 nm)	61.80	0.0001 (ppm)	-3.9529
5/8/2019 17:08:33	R1903957-004	Ag (328.068 nm)	0.46	0.0132 (ppm)	883.9124
5/8/2019 17:08:33	R1903957-004	Al (394.401 nm)	0.11	46.1481 o (ppm)	811804.0811
5/8/2019 17:08:33	R1903957-004	As (188.980 nm)	9.39	0.0604 (ppm)	39.8875
5/8/2019 17:08:33	R1903957-004	B (249.772 nm)	0.05	0.1470 (ppm)	5995.4113
5/8/2019 17:08:33	R1903957-004	Ba (230.424 nm)	0.54	1.5986 (ppm)	79584.0448
5/8/2019 17:08:33	R1903957-004	Be (313.107 nm)	0.12	0.0027 (ppm)	3399.5871
5/8/2019 17:08:33	R1903957-004	Ca (227.547 nm)	0.01	741.8970 o (ppm)	46144.6367
5/8/2019 17:08:33	R1903957-004	Cd (214.439 nm)	4.08	0.0065 (ppm)	147.7931
5/8/2019 17:08:33	R1903957-004	Co (230.786 nm)	0.98	0.0325 (ppm)	421.0504
5/8/2019 17:08:33	R1903957-004	Cr (267.716 nm)	0.15	0.0713 (ppm)	3101.2303
5/8/2019 17:08:33	R1903957-004	Cu (327.395 nm)	0.49	0.1532 (ppm)	10339.8088
5/8/2019 17:08:33	R1903957-004	Fe (234.350 nm)	0.19	96.6706 o (ppm)	1093741.2943
5/8/2019 17:08:33	R1903957-004	K (766.491 nm)	0.45	11.7089 (ppm)	43683.3724
5/8/2019 17:08:33	R1903957-004	Mg (279.078 nm)	0.37	281.8696 o (ppm)	656643.7052
5/8/2019 17:08:33	R1903957-004	Mn (257.610 nm)	0.17	2.4732 o (ppm)	806215.1329
5/8/2019 17:08:33	R1903957-004	Mo (202.032 nm)	10.04	0.0045 (ppm)	28.9626
5/8/2019 17:08:33	R1903957-004	Na (588.995 nm)	0.58	3.2215 (ppm)	155476.9391
5/8/2019 17:08:33	R1903957-004	Ni (230.299 nm)	1.16	0.0815 (ppm)	835.1119
5/8/2019 17:08:33	R1903957-004	Pb (220.353 nm)	0.53	0.6301 (ppm)	1756.3137
5/8/2019 17:08:33	R1903957-004	Sb (217.582 nm)	> 100.00	-0.0023 u (ppm)	-4.5855
5/8/2019 17:08:33	R1903957-004	Se (196.026 nm)	> 100.00	-0.0074 u (ppm)	-1.9911
5/8/2019 17:08:33	R1903957-004	Sn (189.925 nm)	5.62	0.0197 (ppm)	13.8588
5/8/2019 17:08:33	R1903957-004	Sr (216.596 nm)	0.15	0.5648 (ppm)	5993.7249
5/8/2019 17:08:33	R1903957-004	Ti (336.122 nm)	0.49	0.9772 (ppm)	249481.8255
5/8/2019 17:08:33	R1903957-004	Tl (351.923 nm)	9.05	0.0161 (ppm)	41.7612
5/8/2019 17:08:33	R1903957-004	V (292.401 nm)	0.50	0.1362 (ppm)	4519.6863

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/8/2019 17:08:33	R1903957-004	Y (360.074 nm)	0.53	0.90 (Ratio)	906524.86
5/8/2019 17:08:33	R1903957-004	Y_R (360.074 nm)	0.53	0.90 (Ratio)	909958.52
5/8/2019 17:08:33	R1903957-004	Zn (213.857 nm)	0.47	2.2754 o (ppm)	79022.9549
5/8/2019 17:11:51	R1903957-007	Ag (328.068 nm)	10.01	0.0023 (ppm)	51.7596
5/8/2019 17:11:51	R1903957-007	Al (394.401 nm)	0.26	66.4103 o (ppm)	1168149.6265
5/8/2019 17:11:51	R1903957-007	As (188.980 nm)	7.63	0.0556 (ppm)	36.6352
5/8/2019 17:11:51	R1903957-007	B (249.772 nm)	0.18	0.0960 (ppm)	3935.0798
5/8/2019 17:11:51	R1903957-007	Ba (230.424 nm)	0.27	0.5621 (ppm)	27992.5614
5/8/2019 17:11:51	R1903957-007	Be (313.107 nm)	0.33	0.0028 (ppm)	3506.8015
5/8/2019 17:11:51	R1903957-007	Ca (227.547 nm)	0.08	125.3343 o (ppm)	7797.9936
5/8/2019 17:11:51	R1903957-007	Cd (214.439 nm)	4.49	0.0037 (ppm)	87.4250
5/8/2019 17:11:51	R1903957-007	Co (230.786 nm)	0.77	0.0413 (ppm)	537.3279
5/8/2019 17:11:51	R1903957-007	Cr (267.716 nm)	0.38	0.0798 (ppm)	3467.2686
5/8/2019 17:11:51	R1903957-007	Cu (327.395 nm)	0.28	0.1769 (ppm)	11935.6897
5/8/2019 17:11:51	R1903957-007	Fe (234.350 nm)	0.22	100.1572 o (ppm)	1133188.7851
5/8/2019 17:11:51	R1903957-007	K (766.491 nm)	0.18	6.0947 (ppm)	22712.6932
5/8/2019 17:11:51	R1903957-007	Mg (279.078 nm)	0.14	43.2077 (ppm)	100667.1228
5/8/2019 17:11:51	R1903957-007	Mn (257.610 nm)	0.21	1.4976 (ppm)	488219.0338
5/8/2019 17:11:51	R1903957-007	Mo (202.032 nm)	3.77	0.0062 (ppm)	38.7220
5/8/2019 17:11:51	R1903957-007	Na (588.995 nm)	0.32	1.5007 (ppm)	67508.0138
5/8/2019 17:11:51	R1903957-007	Ni (230.299 nm)	1.00	0.0714 (ppm)	730.0931
5/8/2019 17:11:51	R1903957-007	Pb (220.353 nm)	0.19	2.8002 o (ppm)	7798.8270
5/8/2019 17:11:51	R1903957-007	Sb (217.582 nm)	55.02	-0.0017 u (ppm)	-3.9425
5/8/2019 17:11:51	R1903957-007	Se (196.026 nm)	86.43	0.0011 (ppm)	2.2333
5/8/2019 17:11:51	R1903957-007	Sn (189.925 nm)	4.67	0.0458 (ppm)	33.2351
5/8/2019 17:11:51	R1903957-007	Sr (216.596 nm)	0.52	0.2242 (ppm)	2377.6604
5/8/2019 17:11:51	R1903957-007	Ti (336.122 nm)	0.26	0.8134 (ppm)	207640.6781
5/8/2019 17:11:51	R1903957-007	Tl (351.923 nm)	64.88	-0.0019 u (ppm)	-13.5047
5/8/2019 17:11:51	R1903957-007	V (292.401 nm)	0.55	0.1258 (ppm)	4178.1450
5/8/2019 17:11:51	R1903957-007	Y (360.074 nm)	0.49	0.97 (Ratio)	968894.78
5/8/2019 17:11:51	R1903957-007	Y_R (360.074 nm)	0.50	0.97 (Ratio)	972568.74
5/8/2019 17:11:51	R1903957-007	Zn (213.857 nm)	0.17	0.7383 (ppm)	25636.9009
5/8/2019 17:15:10	R1903957-008	Ag (328.068 nm)	39.73	-0.0003 u (ppm)	-143.8708
5/8/2019 17:15:10	R1903957-008	Al (394.401 nm)	0.41	43.9220 o (ppm)	772654.1935
5/8/2019 17:15:10	R1903957-008	As (188.980 nm)	11.81	0.0321 (ppm)	21.0350
5/8/2019 17:15:10	R1903957-008	B (249.772 nm)	0.19	0.1162 (ppm)	4751.7427
5/8/2019 17:15:10	R1903957-008	Ba (230.424 nm)	0.52	0.2070 (ppm)	10314.0033
5/8/2019 17:15:10	R1903957-008	Be (313.107 nm)	0.51	0.0020 (ppm)	2398.0778
5/8/2019 17:15:10	R1903957-008	Ca (227.547 nm)	0.33	1471.2063 o (ppm)	91503.4754
5/8/2019 17:15:10	R1903957-008	Cd (214.439 nm)	3.71	0.0071 (ppm)	159.5430
5/8/2019 17:15:10	R1903957-008	Co (230.786 nm)	1.57	0.0317 (ppm)	409.4641
5/8/2019 17:15:10	R1903957-008	Cr (267.716 nm)	0.73	0.0609 (ppm)	2651.0344
5/8/2019 17:15:10	R1903957-008	Cu (327.395 nm)	0.24	0.1268 (ppm)	8557.1767
5/8/2019 17:15:10	R1903957-008	Fe (234.350 nm)	0.25	80.0625 o (ppm)	905840.4043
5/8/2019 17:15:10	R1903957-008	K (766.491 nm)	0.58	13.7040 (ppm)	51135.7757
5/8/2019 17:15:10	R1903957-008	Mg (279.078 nm)	0.42	445.6674 o (ppm)	1038219.9409
5/8/2019 17:15:10	R1903957-008	Mn (257.610 nm)	0.35	5.8242 o (ppm)	1898582.8950
5/8/2019 17:15:10	R1903957-008	Mo (202.032 nm)	21.77	0.0031 (ppm)	20.4930
5/8/2019 17:15:10	R1903957-008	Na (588.995 nm)	0.49	1.5828 (ppm)	71703.5213
5/8/2019 17:15:10	R1903957-008	Ni (230.299 nm)	0.10	0.0664 (ppm)	677.4432
5/8/2019 17:15:10	R1903957-008	Pb (220.353 nm)	0.36	0.1213 (ppm)	339.7992

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/8/2019 17:15:10	R1903957-008	Sb (217.582 nm)	99.71	-0.0022 u (ppm)	-4.4616
5/8/2019 17:15:10	R1903957-008	Se (196.026 nm)	56.10	-0.0044 u (ppm)	-0.4984
5/8/2019 17:15:10	R1903957-008	Sn (189.925 nm)	27.78	0.0150 (ppm)	10.3387
5/8/2019 17:15:10	R1903957-008	Sr (216.596 nm)	0.52	0.8176 (ppm)	8677.0458
5/8/2019 17:15:10	R1903957-008	Ti (336.122 nm)	0.55	0.8344 (ppm)	212991.3201
5/8/2019 17:15:10	R1903957-008	Tl (351.923 nm)	7.97	0.0357 (ppm)	101.7658
5/8/2019 17:15:10	R1903957-008	V (292.401 nm)	0.21	0.0893 (ppm)	2975.5672
5/8/2019 17:15:10	R1903957-008	Y (360.074 nm)	0.65	0.86 (Ratio)	863336.27
5/8/2019 17:15:10	R1903957-008	Y_R (360.074 nm)	0.65	0.86 (Ratio)	866878.63
5/8/2019 17:15:10	R1903957-008	Zn (213.857 nm)	0.16	0.5272 (ppm)	18302.9454
5/8/2019 17:18:28	R1903959-003	Ag (328.068 nm)	5.12	0.0020 (ppm)	34.2362
5/8/2019 17:18:28	R1903959-003	Al (394.401 nm)	0.15	104.2029 o (ppm)	1832796.5454
5/8/2019 17:18:28	R1903959-003	As (188.980 nm)	3.27	0.0621 (ppm)	41.0026
5/8/2019 17:18:28	R1903959-003	B (249.772 nm)	0.22	0.1068 (ppm)	4373.6182
5/8/2019 17:18:28	R1903959-003	Ba (230.424 nm)	0.49	1.0838 (ppm)	53957.1443
5/8/2019 17:18:28	R1903959-003	Be (313.107 nm)	0.24	0.0039 (ppm)	5065.7569
5/8/2019 17:18:28	R1903959-003	Ca (227.547 nm)	0.10	189.7364 o (ppm)	10559.5492
5/8/2019 17:18:28	R1903959-003	Cd (214.439 nm)	3.44	0.0073 (ppm)	164.8627
5/8/2019 17:18:28	R1903959-003	Co (230.786 nm)	1.34	0.0277 (ppm)	356.5120
5/8/2019 17:18:28	R1903959-003	Cr (267.716 nm)	0.17	0.1223 (ppm)	5308.1551
5/8/2019 17:18:28	R1903959-003	Cu (327.395 nm)	0.48	0.3023 (ppm)	20389.8066
5/8/2019 17:18:28	R1903959-003	Fe (234.350 nm)	0.37	120.7517 o (ppm)	1366190.8978
5/8/2019 17:18:28	R1903959-003	K (766.491 nm)	0.34	9.0822 (ppm)	33872.0381
5/8/2019 17:18:28	R1903959-003	Mg (279.078 nm)	0.16	47.6277 (ppm)	110963.9103
5/8/2019 17:18:28	R1903959-003	Mn (257.610 nm)	0.33	1.7126 o (ppm)	558288.2280
5/8/2019 17:18:28	R1903959-003	Mo (202.032 nm)	4.97	0.0058 (ppm)	36.4983
5/8/2019 17:18:28	R1903959-003	Na (588.995 nm)	0.81	0.8635 (ppm)	34932.1803
5/8/2019 17:18:28	R1903959-003	Ni (230.299 nm)	0.43	0.0800 (ppm)	819.5198
5/8/2019 17:18:28	R1903959-003	Pb (220.353 nm)	0.17	1.5268 o (ppm)	4253.1770
5/8/2019 17:18:28	R1903959-003	Sb (217.582 nm)	> 100.00	0.0007 u (ppm)	-1.0421
5/8/2019 17:18:28	R1903959-003	Se (196.026 nm)	> 100.00	0.0009 u (ppm)	2.1371
5/8/2019 17:18:28	R1903959-003	Sn (189.925 nm)	7.12	0.0495 (ppm)	35.9759
5/8/2019 17:18:28	R1903959-003	Sr (216.596 nm)	0.40	0.3898 (ppm)	4135.7912
5/8/2019 17:18:28	R1903959-003	Ti (336.122 nm)	1.29	0.9052 (ppm)	231073.4910
5/8/2019 17:18:28	R1903959-003	Tl (351.923 nm)	> 100.00	-0.0014 u (ppm)	-11.9565
5/8/2019 17:18:28	R1903959-003	V (292.401 nm)	0.23	0.1597 (ppm)	5291.5545
5/8/2019 17:18:28	R1903959-003	Y (360.074 nm)	0.51	0.97 (Ratio)	975450.89
5/8/2019 17:18:28	R1903959-003	Y_R (360.074 nm)	0.51	0.97 (Ratio)	979270.99
5/8/2019 17:18:28	R1903959-003	Zn (213.857 nm)	0.87	1.3995 (ppm)	48600.1543
5/8/2019 17:21:47	R1903959-005	Ag (328.068 nm)	> 100.00	0.0001 u (ppm)	-116.2713
5/8/2019 17:21:47	R1903959-005	Al (394.401 nm)	0.36	50.1395 o (ppm)	882000.7466
5/8/2019 17:21:47	R1903959-005	As (188.980 nm)	11.96	0.0287 (ppm)	18.7182
5/8/2019 17:21:47	R1903959-005	B (249.772 nm)	0.77	0.0935 (ppm)	3834.0995
5/8/2019 17:21:47	R1903959-005	Ba (230.424 nm)	0.52	0.4538 (ppm)	22598.3442
5/8/2019 17:21:47	R1903959-005	Be (313.107 nm)	0.29	0.0025 (ppm)	3204.9742
5/8/2019 17:21:47	R1903959-005	Ca (227.547 nm)	0.40	243.9537 o (ppm)	15175.4375
5/8/2019 17:21:47	R1903959-005	Cd (214.439 nm)	7.81	0.0021 (ppm)	52.9960
5/8/2019 17:21:47	R1903959-005	Co (230.786 nm)	1.84	0.0353 (ppm)	457.2024
5/8/2019 17:21:47	R1903959-005	Cr (267.716 nm)	0.12	0.0713 (ppm)	3099.1181
5/8/2019 17:21:47	R1903959-005	Cu (327.395 nm)	0.83	0.1156 (ppm)	7802.8539
5/8/2019 17:21:47	R1903959-005	Fe (234.350 nm)	0.45	89.2218 o (ppm)	1009467.6728

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/8/2019 17:21:47	R1903959-005	K (766.491 nm)	1.25	8.8365 (ppm)	32954.2301
5/8/2019 17:21:47	R1903959-005	Mg (279.078 nm)	0.09	82.7446 o (ppm)	192770.7034
5/8/2019 17:21:47	R1903959-005	Mn (257.610 nm)	0.52	3.3729 o (ppm)	1099501.9327
5/8/2019 17:21:47	R1903959-005	Mo (202.032 nm)	35.99	0.0021 (ppm)	14.6540
5/8/2019 17:21:47	R1903959-005	Na (588.995 nm)	1.28	1.0410 (ppm)	44009.0289
5/8/2019 17:21:47	R1903959-005	Ni (230.299 nm)	2.71	0.0570 (ppm)	580.1985
5/8/2019 17:21:47	R1903959-005	Pb (220.353 nm)	0.11	0.5670 (ppm)	1580.6702
5/8/2019 17:21:47	R1903959-005	Sb (217.582 nm)	> 100.00	-0.0029 u (ppm)	-5.3296
5/8/2019 17:21:47	R1903959-005	Se (196.026 nm)	> 100.00	0.0030 u (ppm)	3.1668
5/8/2019 17:21:47	R1903959-005	Sn (189.925 nm)	6.10	0.0284 (ppm)	20.2997
5/8/2019 17:21:47	R1903959-005	Sr (216.596 nm)	0.29	0.2845 (ppm)	3017.8188
5/8/2019 17:21:47	R1903959-005	Ti (336.122 nm)	1.13	1.0820 (ppm)	276241.5377
5/8/2019 17:21:47	R1903959-005	Tl (351.923 nm)	86.97	0.0014 (ppm)	-3.4556
5/8/2019 17:21:47	R1903959-005	V (292.401 nm)	0.48	0.1241 (ppm)	4122.3495
5/8/2019 17:21:47	R1903959-005	Y (360.074 nm)	0.83	0.97 (Ratio)	976276.21
5/8/2019 17:21:47	R1903959-005	Y_R (360.074 nm)	0.83	0.97 (Ratio)	980202.96
5/8/2019 17:21:47	R1903959-005	Zn (213.857 nm)	0.79	0.4412 (ppm)	15318.0905
5/8/2019 17:25:06	R1903959-008	Ag (328.068 nm)	1.89	-0.0011 u (ppm)	-204.1797
5/8/2019 17:25:06	R1903959-008	Al (394.401 nm)	0.40	52.1458 o (ppm)	917284.7436
5/8/2019 17:25:06	R1903959-008	As (188.980 nm)	4.40	0.0626 (ppm)	41.3321
5/8/2019 17:25:06	R1903959-008	B (249.772 nm)	0.31	0.0964 (ppm)	3951.5349
5/8/2019 17:25:06	R1903959-008	Ba (230.424 nm)	0.22	0.4650 (ppm)	23156.2799
5/8/2019 17:25:06	R1903959-008	Be (313.107 nm)	0.18	0.0027 (ppm)	3413.5641
5/8/2019 17:25:06	R1903959-008	Ca (227.547 nm)	0.18	204.1320 o (ppm)	12698.7550
5/8/2019 17:25:06	R1903959-008	Cd (214.439 nm)	9.30	0.0028 (ppm)	67.7064
5/8/2019 17:25:06	R1903959-008	Co (230.786 nm)	0.31	0.0365 (ppm)	473.9083
5/8/2019 17:25:06	R1903959-008	Cr (267.716 nm)	0.07	0.0834 (ppm)	3624.7737
5/8/2019 17:25:06	R1903959-008	Cu (327.395 nm)	0.13	0.1574 (ppm)	10623.1181
5/8/2019 17:25:06	R1903959-008	Fe (234.350 nm)	0.29	110.8984 o (ppm)	1254712.6675
5/8/2019 17:25:06	R1903959-008	K (766.491 nm)	0.50	8.2018 (ppm)	30583.2603
5/8/2019 17:25:06	R1903959-008	Mg (279.078 nm)	0.27	49.4179 (ppm)	115134.2379
5/8/2019 17:25:06	R1903959-008	Mn (257.610 nm)	0.18	6.2999 o (ppm)	2053622.5320
5/8/2019 17:25:06	R1903959-008	Mo (202.032 nm)	9.97	0.0028 (ppm)	18.7790
5/8/2019 17:25:06	R1903959-008	Na (588.995 nm)	0.39	0.9739 (ppm)	40577.6294
5/8/2019 17:25:06	R1903959-008	Ni (230.299 nm)	1.85	0.0606 (ppm)	617.7336
5/8/2019 17:25:06	R1903959-008	Pb (220.353 nm)	0.32	0.8077 (ppm)	2250.9068
5/8/2019 17:25:06	R1903959-008	Sb (217.582 nm)	> 100.00	0.0008 u (ppm)	-0.9684
5/8/2019 17:25:06	R1903959-008	Se (196.026 nm)	> 100.00	-0.0023 u (ppm)	0.5338
5/8/2019 17:25:06	R1903959-008	Sn (189.925 nm)	4.71	0.0336 (ppm)	24.1373
5/8/2019 17:25:06	R1903959-008	Sr (216.596 nm)	0.22	0.3216 (ppm)	3411.6266
5/8/2019 17:25:06	R1903959-008	Ti (336.122 nm)	0.33	1.3959 (ppm)	356407.4825
5/8/2019 17:25:06	R1903959-008	Tl (351.923 nm)	4.05	-0.0251 u (ppm)	-84.6496
5/8/2019 17:25:06	R1903959-008	V (292.401 nm)	0.25	0.1676 (ppm)	5552.7171
5/8/2019 17:25:06	R1903959-008	Y (360.074 nm)	0.80	0.99 (Ratio)	995134.94
5/8/2019 17:25:06	R1903959-008	Y_R (360.074 nm)	0.80	0.99 (Ratio)	999263.66
5/8/2019 17:25:06	R1903959-008	Zn (213.857 nm)	0.36	0.6653 (ppm)	23100.3619
5/8/2019 17:28:25	R1903959-010	Ag (328.068 nm)	> 100.00	-0.0001 u (ppm)	-131.6164
5/8/2019 17:28:25	R1903959-010	Al (394.401 nm)	0.42	35.4233 o (ppm)	623190.8913
5/8/2019 17:28:25	R1903959-010	As (188.980 nm)	4.76	0.0226 (ppm)	14.6557
5/8/2019 17:28:25	R1903959-010	B (249.772 nm)	0.75	0.0713 (ppm)	2937.1750
5/8/2019 17:28:25	R1903959-010	Ba (230.424 nm)	0.08	0.2287 (ppm)	11397.1139

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/8/2019 17:28:25	R1903959-010	Be (313.107 nm)	0.29	0.0017 (ppm)	2009.5417
5/8/2019 17:28:25	R1903959-010	Ca (227.547 nm)	0.17	528.3600 o (ppm)	32863.8698
5/8/2019 17:28:25	R1903959-010	Cd (214.439 nm)	16.93	0.0015 (ppm)	41.1070
5/8/2019 17:28:25	R1903959-010	Co (230.786 nm)	2.00	0.0265 (ppm)	340.7302
5/8/2019 17:28:25	R1903959-010	Cr (267.716 nm)	0.15	0.0543 (ppm)	2363.9235
5/8/2019 17:28:25	R1903959-010	Cu (327.395 nm)	0.16	0.0817 (ppm)	5515.4376
5/8/2019 17:28:25	R1903959-010	Fe (234.350 nm)	0.20	76.7333 o (ppm)	868174.8389
5/8/2019 17:28:25	R1903959-010	K (766.491 nm)	0.68	7.7540 (ppm)	28910.7702
5/8/2019 17:28:25	R1903959-010	Mg (279.078 nm)	0.02	124.1159 o (ppm)	289147.4044
5/8/2019 17:28:25	R1903959-010	Mn (257.610 nm)	0.11	3.2210 o (ppm)	1049993.2122
5/8/2019 17:28:25	R1903959-010	Mo (202.032 nm)	38.95	0.0015 (ppm)	11.0801
5/8/2019 17:28:25	R1903959-010	Na (588.995 nm)	0.31	1.0258 (ppm)	43232.0320
5/8/2019 17:28:25	R1903959-010	Ni (230.299 nm)	1.33	0.0466 (ppm)	472.6516
5/8/2019 17:28:25	R1903959-010	Pb (220.353 nm)	1.42	0.0457 (ppm)	129.3498
5/8/2019 17:28:25	R1903959-010	Sb (217.582 nm)	> 100.00	-0.0001 u (ppm)	-1.9918
5/8/2019 17:28:25	R1903959-010	Se (196.026 nm)	> 100.00	-0.0024 u (ppm)	0.4742
5/8/2019 17:28:25	R1903959-010	Sn (189.925 nm)	46.15	0.0101 (ppm)	6.7170
5/8/2019 17:28:25	R1903959-010	Sr (216.596 nm)	0.25	0.6762 (ppm)	7176.0114
5/8/2019 17:28:25	R1903959-010	Ti (336.122 nm)	0.48	1.2244 (ppm)	312606.7990
5/8/2019 17:28:25	R1903959-010	Tl (351.923 nm)	3.96	0.0067 (ppm)	12.9759
5/8/2019 17:28:25	R1903959-010	V (292.401 nm)	0.15	0.1191 (ppm)	3956.8125
5/8/2019 17:28:25	R1903959-010	Y (360.074 nm)	0.66	0.94 (Ratio)	944710.39
5/8/2019 17:28:25	R1903959-010	Y_R (360.074 nm)	0.65	0.94 (Ratio)	948724.28
5/8/2019 17:28:25	R1903959-010	Zn (213.857 nm)	0.15	0.2197 (ppm)	7624.1099
5/8/2019 17:31:44	R1903959-010L	Ag (328.068 nm)	91.79	-0.0001 u (ppm)	-124.9036
5/8/2019 17:31:44	R1903959-010L	Al (394.401 nm)	0.07	6.2472 (ppm)	110079.8051
5/8/2019 17:31:44	R1903959-010L	As (188.980 nm)	33.13	0.0033 (ppm)	1.7997
5/8/2019 17:31:44	R1903959-010L	B (249.772 nm)	1.02	0.0135 (ppm)	605.0131
5/8/2019 17:31:44	R1903959-010L	Ba (230.424 nm)	0.46	0.0446 (ppm)	2231.7501
5/8/2019 17:31:44	R1903959-010L	Be (313.107 nm)	1.85	0.0003 (ppm)	144.4760
5/8/2019 17:31:44	R1903959-010L	Ca (227.547 nm)	0.27	94.7312 o (ppm)	5894.6573
5/8/2019 17:31:44	R1903959-010L	Cd (214.439 nm)	35.03	0.0003 (ppm)	14.5767
5/8/2019 17:31:44	R1903959-010L	Co (230.786 nm)	3.78	0.0055 (ppm)	64.2264
5/8/2019 17:31:44	R1903959-010L	Cr (267.716 nm)	1.46	0.0103 (ppm)	462.6484
5/8/2019 17:31:44	R1903959-010L	Cu (327.395 nm)	1.09	0.0148 (ppm)	1010.1611
5/8/2019 17:31:44	R1903959-010L	Fe (234.350 nm)	0.16	15.5945 o (ppm)	176461.3216
5/8/2019 17:31:44	R1903959-010L	K (766.491 nm)	0.46	1.3042 (ppm)	4818.5789
5/8/2019 17:31:44	R1903959-010L	Mg (279.078 nm)	0.17	23.6316 (ppm)	55063.6155
5/8/2019 17:31:44	R1903959-010L	Mn (257.610 nm)	0.15	0.6377 (ppm)	207901.4483
5/8/2019 17:31:44	R1903959-010L	Mo (202.032 nm)	31.87	-0.0003 u (ppm)	0.5140
5/8/2019 17:31:44	R1903959-010L	Na (588.995 nm)	1.58	0.1699 (ppm)	-520.2951
5/8/2019 17:31:44	R1903959-010L	Ni (230.299 nm)	3.28	0.0095 (ppm)	86.6794
5/8/2019 17:31:44	R1903959-010L	Pb (220.353 nm)	15.76	0.0062 (ppm)	19.2623
5/8/2019 17:31:44	R1903959-010L	Sb (217.582 nm)	> 100.00	-0.0001 u (ppm)	-2.0479
5/8/2019 17:31:44	R1903959-010L	Se (196.026 nm)	60.21	-0.0084 u (ppm)	-2.5079
5/8/2019 17:31:44	R1903959-010L	Sn (189.925 nm)	> 100.00	0.0013 u (ppm)	0.1148
5/8/2019 17:31:44	R1903959-010L	Sr (216.596 nm)	0.14	0.1335 (ppm)	1414.9453
5/8/2019 17:31:44	R1903959-010L	Ti (336.122 nm)	0.73	0.2357 (ppm)	60073.0406
5/8/2019 17:31:44	R1903959-010L	Tl (351.923 nm)	> 100.00	0.0010 u (ppm)	-4.6305
5/8/2019 17:31:44	R1903959-010L	V (292.401 nm)	1.09	0.0226 (ppm)	784.2984
5/8/2019 17:31:44	R1903959-010L	Y (360.074 nm)	0.58	0.97 (Ratio)	973724.86

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/8/2019 17:31:44	R1903959-010L	Y_R (360.074 nm)	0.58	0.97 (Ratio)	977697.96
5/8/2019 17:31:44	R1903959-010L	Zn (213.857 nm)	0.19	0.0416 (ppm)	1436.9743
5/8/2019 17:35:03	R1903967-001	Ag (328.068 nm)	45.10	-0.0002 u (ppm)	-136.6473
5/8/2019 17:35:03	R1903967-001	Al (394.401 nm)	5.64	105.6009 o (ppm)	1857382.6764
5/8/2019 17:35:03	R1903967-001	As (188.980 nm)	7.57	0.0528 (ppm)	34.7768
5/8/2019 17:35:03	R1903967-001	B (249.772 nm)	5.47	0.1053 (ppm)	4312.4479
5/8/2019 17:35:03	R1903967-001	Ba (230.424 nm)	5.27	0.3881 (ppm)	19331.3774
5/8/2019 17:35:03	R1903967-001	Be (313.107 nm)	5.27	0.0035 (ppm)	4521.9789
5/8/2019 17:35:03	R1903967-001	Ca (227.547 nm)	4.81	4.4654 (ppm)	280.6459
5/8/2019 17:35:03	R1903967-001	Cd (214.439 nm)	2.60	0.0032 (ppm)	76.6569
5/8/2019 17:35:03	R1903967-001	Co (230.786 nm)	7.54	0.0664 (ppm)	869.3648
5/8/2019 17:35:03	R1903967-001	Cr (267.716 nm)	5.43	0.1218 (ppm)	5284.4439
5/8/2019 17:35:03	R1903967-001	Cu (327.395 nm)	5.44	0.3028 (ppm)	20420.0965
5/8/2019 17:35:03	R1903967-001	Fe (234.350 nm)	5.26	184.7019 o (ppm)	2089711.2469
5/8/2019 17:35:03	R1903967-001	K (766.491 nm)	5.80	4.4147 (ppm)	16437.5816
5/8/2019 17:35:03	R1903967-001	Mg (279.078 nm)	5.28	29.8606 (ppm)	69574.2894
5/8/2019 17:35:03	R1903967-001	Mn (257.610 nm)	5.50	2.9287 o (ppm)	954710.9636
5/8/2019 17:35:03	R1903967-001	Mo (202.032 nm)	9.47	0.0028 (ppm)	18.5886
5/8/2019 17:35:03	R1903967-001	Na (588.995 nm)	1.78	0.2839 (ppm)	5305.9564
5/8/2019 17:35:03	R1903967-001	Ni (230.299 nm)	4.63	0.1616 (ppm)	1666.5069
5/8/2019 17:35:03	R1903967-001	Pb (220.353 nm)	7.65	0.1101 (ppm)	308.5888
5/8/2019 17:35:03	R1903967-001	Sb (217.582 nm)	63.61	-0.0044 u (ppm)	-7.0920
5/8/2019 17:35:03	R1903967-001	Se (196.026 nm)	62.60	0.0077 (ppm)	5.4874
5/8/2019 17:35:03	R1903967-001	Sn (189.925 nm)	10.25	0.0172 (ppm)	11.9532
5/8/2019 17:35:03	R1903967-001	Sr (216.596 nm)	5.40	0.0844 (ppm)	894.2443
5/8/2019 17:35:03	R1903967-001	Ti (336.122 nm)	5.49	0.7053 (ppm)	180014.7075
5/8/2019 17:35:03	R1903967-001	Tl (351.923 nm)	24.20	-0.0121 u (ppm)	-44.8234
5/8/2019 17:35:03	R1903967-001	V (292.401 nm)	5.54	0.1645 (ppm)	5451.2388
5/8/2019 17:35:03	R1903967-001	Y (360.074 nm)	5.39	0.97 (Ratio)	978244.01
5/8/2019 17:35:03	R1903967-001	Y_R (360.074 nm)	5.39	0.97 (Ratio)	982272.52
5/8/2019 17:35:03	R1903967-001	Zn (213.857 nm)	5.65	0.7415 (ppm)	25748.1636
5/8/2019 17:38:22	R1903967-002	Ag (328.068 nm)	17.15	-0.0008 u (ppm)	-180.2728
5/8/2019 17:38:22	R1903967-002	Al (394.401 nm)	0.28	120.0284 o (ppm)	2111114.9764
5/8/2019 17:38:22	R1903967-002	As (188.980 nm)	5.56	0.0625 (ppm)	41.2927
5/8/2019 17:38:22	R1903967-002	B (249.772 nm)	0.11	0.1314 (ppm)	5365.8893
5/8/2019 17:38:22	R1903967-002	Ba (230.424 nm)	0.15	0.6198 (ppm)	30862.8831
5/8/2019 17:38:22	R1903967-002	Be (313.107 nm)	0.22	0.0040 (ppm)	5183.0631
5/8/2019 17:38:22	R1903967-002	Ca (227.547 nm)	0.40	88.9633 o (ppm)	5535.9269
5/8/2019 17:38:22	R1903967-002	Cd (214.439 nm)	1.68	0.0049 (ppm)	113.6686
5/8/2019 17:38:22	R1903967-002	Co (230.786 nm)	1.31	0.0847 (ppm)	1111.2921
5/8/2019 17:38:22	R1903967-002	Cr (267.716 nm)	0.21	0.1389 (ppm)	6026.5688
5/8/2019 17:38:22	R1903967-002	Cu (327.395 nm)	0.45	0.4170 (ppm)	28115.9456
5/8/2019 17:38:22	R1903967-002	Fe (234.350 nm)	0.18	222.4711 o (ppm)	2517024.6845
5/8/2019 17:38:22	R1903967-002	K (766.491 nm)	0.69	9.5519 (ppm)	35626.6345
5/8/2019 17:38:22	R1903967-002	Mg (279.078 nm)	0.18	39.3661 (ppm)	91718.0083
5/8/2019 17:38:22	R1903967-002	Mn (257.610 nm)	0.34	8.0143 o (ppm)	2612484.3307
5/8/2019 17:38:22	R1903967-002	Mo (202.032 nm)	8.89	0.0040 (ppm)	25.5190
5/8/2019 17:38:22	R1903967-002	Na (588.995 nm)	0.82	0.5254 (ppm)	17650.8349
5/8/2019 17:38:22	R1903967-002	Ni (230.299 nm)	0.77	0.1857 (ppm)	1916.6126
5/8/2019 17:38:22	R1903967-002	Pb (220.353 nm)	1.26	0.1245 (ppm)	348.7719
5/8/2019 17:38:22	R1903967-002	Sb (217.582 nm)	> 100.00	-0.0030 u (ppm)	-5.3914

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/8/2019 17:38:22	R1903967-002	Se (196.026 nm)	45.63	0.0116 (ppm)	7.4242
5/8/2019 17:38:22	R1903967-002	Sn (189.925 nm)	8.88	0.0171 (ppm)	11.8953
5/8/2019 17:38:22	R1903967-002	Sr (216.596 nm)	0.37	0.1424 (ppm)	1509.2475
5/8/2019 17:38:22	R1903967-002	Ti (336.122 nm)	0.41	1.6094 (ppm)	410960.6222
5/8/2019 17:38:22	R1903967-002	Tl (351.923 nm)	19.88	-0.0187 u (ppm)	-64.8539
5/8/2019 17:38:22	R1903967-002	V (292.401 nm)	0.20	0.1943 (ppm)	6430.1490
5/8/2019 17:38:22	R1903967-002	Y (360.074 nm)	0.87	1.01 (Ratio)	1012986.03
5/8/2019 17:38:22	R1903967-002	Y_R (360.074 nm)	0.88	1.01 (Ratio)	1017164.53
5/8/2019 17:38:22	R1903967-002	Zn (213.857 nm)	0.07	1.1643 (ppm)	40430.7519
5/8/2019 17:41:40	Continuing Calibration Verification	Ag (328.068 nm)	0.18	0.4918 (ppm)	37348.7241
5/8/2019 17:41:40	Continuing Calibration Verification	Al (394.401 nm)	0.03	9.6197 (ppm)	169390.6356
5/8/2019 17:41:40	Continuing Calibration Verification	As (188.980 nm)	0.87	0.9653 (ppm)	642.7527
5/8/2019 17:41:40	Continuing Calibration Verification	B (249.772 nm)	0.15	2.4656 (ppm)	99564.5796
5/8/2019 17:41:40	Continuing Calibration Verification	Ba (230.424 nm)	0.06	10.3102 (ppm)	513216.7993
5/8/2019 17:41:40	Continuing Calibration Verification	Be (313.107 nm)	0.36	0.2562 (ppm)	354602.7947
5/8/2019 17:41:40	Continuing Calibration Verification	Ca (227.547 nm)	0.39	24.2042 (ppm)	1508.2845
5/8/2019 17:41:40	Continuing Calibration Verification	Cd (214.439 nm)	0.20	0.5050 (ppm)	10824.5880
5/8/2019 17:41:40	Continuing Calibration Verification	Co (230.786 nm)	0.10	2.6210 (ppm)	34653.4141
5/8/2019 17:41:40	Continuing Calibration Verification	Cr (267.716 nm)	0.11	0.5091 (ppm)	22047.4516
5/8/2019 17:41:40	Continuing Calibration Verification	Cu (327.395 nm)	0.05	1.1994 (ppm)	80851.4667
5/8/2019 17:41:40	Continuing Calibration Verification	Fe (234.350 nm)	0.33	4.9792 (ppm)	56361.8245
5/8/2019 17:41:40	Continuing Calibration Verification	K (766.491 nm)	0.44	24.2330 (ppm)	90465.2073
5/8/2019 17:41:40	Continuing Calibration Verification	Mg (279.078 nm)	0.18	25.1792 (ppm)	58668.7825
5/8/2019 17:41:40	Continuing Calibration Verification	Mn (257.610 nm)	0.06	0.7595 (ppm)	247606.6971
5/8/2019 17:41:40	Continuing Calibration Verification	Mo (202.032 nm)	0.16	2.5074 (ppm)	14640.3030
5/8/2019 17:41:40	Continuing Calibration Verification	Na (588.995 nm)	0.84	23.7431 (ppm)	1204542.1630
5/8/2019 17:41:40	Continuing Calibration Verification	Ni (230.299 nm)	0.11	2.0050 (ppm)	20803.5827
5/8/2019 17:41:40	Continuing Calibration Verification	Pb (220.353 nm)	0.50	0.5051 (ppm)	1408.4925
5/8/2019 17:41:40	Continuing Calibration Verification	Sb (217.582 nm)	0.17	4.7708 (ppm)	5676.6766
5/8/2019 17:41:40	Continuing Calibration Verification	Se (196.026 nm)	0.68	0.4874 (ppm)	244.3872
5/8/2019 17:41:40	Continuing Calibration Verification	Sn (189.925 nm)	0.13	5.0074 (ppm)	3721.2448
5/8/2019 17:41:40	Continuing Calibration Verification	Sr (216.596 nm)	0.20	2.5882 (ppm)	27471.5832
5/8/2019 17:41:40	Continuing Calibration Verification	Ti (336.122 nm)	0.11	2.5147 (ppm)	642194.0405
5/8/2019 17:41:40	Continuing Calibration Verification	Tl (351.923 nm)	0.69	0.9990 (ppm)	3052.3347
5/8/2019 17:41:40	Continuing Calibration Verification	V (292.401 nm)	0.02	2.5596 (ppm)	84234.8007
5/8/2019 17:41:40	Continuing Calibration Verification	Y (360.074 nm)	0.61	0.96 (Ratio)	963596.93
5/8/2019 17:41:40	Continuing Calibration Verification	Y_R (360.074 nm)	0.61	0.96 (Ratio)	967554.00
5/8/2019 17:41:40	Continuing Calibration Verification	Zn (213.857 nm)	0.16	0.9848 (ppm)	34198.7692
5/8/2019 17:44:58	Continuing Calibration Blank	Ag (328.068 nm)	> 100.00	0.0000 u (ppm)	-120.7602
5/8/2019 17:44:58	Continuing Calibration Blank	Al (394.401 nm)	7.57	0.0026 (ppm)	258.1832
5/8/2019 17:44:58	Continuing Calibration Blank	As (188.980 nm)	97.93	0.0025 (ppm)	1.3187
5/8/2019 17:44:58	Continuing Calibration Blank	B (249.772 nm)	58.10	0.0004 (ppm)	75.9616
5/8/2019 17:44:58	Continuing Calibration Blank	Ba (230.424 nm)	32.62	0.0009 (ppm)	55.7729
5/8/2019 17:44:58	Continuing Calibration Blank	Be (313.107 nm)	61.94	0.0000 (ppm)	-272.7911
5/8/2019 17:44:58	Continuing Calibration Blank	Ca (227.547 nm)	> 100.00	-0.0258 u (ppm)	1.3159
5/8/2019 17:44:58	Continuing Calibration Blank	Cd (214.439 nm)	> 100.00	0.0000 u (ppm)	8.2883
5/8/2019 17:44:58	Continuing Calibration Blank	Co (230.786 nm)	60.48	0.0005 (ppm)	-1.9099
5/8/2019 17:44:58	Continuing Calibration Blank	Cr (267.716 nm)	> 100.00	0.0000 u (ppm)	16.0997
5/8/2019 17:44:58	Continuing Calibration Blank	Cu (327.395 nm)	88.97	0.0002 (ppm)	25.0193
5/8/2019 17:44:58	Continuing Calibration Blank	Fe (234.350 nm)	3.44	0.0108 (ppm)	150.9464
5/8/2019 17:44:58	Continuing Calibration Blank	K (766.491 nm)	27.45	0.0318 (ppm)	65.6965

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/8/2019 17:44:58	Continuing Calibration Blank	Mg (279.078 nm)	> 100.00	0.0000 u (ppm)	12.3159
5/8/2019 17:44:58	Continuing Calibration Blank	Mn (257.610 nm)	4.99	0.0003 (ppm)	143.8398
5/8/2019 17:44:58	Continuing Calibration Blank	Mo (202.032 nm)	21.14	0.0038 (ppm)	24.3406
5/8/2019 17:44:58	Continuing Calibration Blank	Na (588.995 nm)	48.39	0.0025 (ppm)	-9080.1442
5/8/2019 17:44:58	Continuing Calibration Blank	Ni (230.299 nm)	> 100.00	0.0001 u (ppm)	-10.8187
5/8/2019 17:44:58	Continuing Calibration Blank	Pb (220.353 nm)	48.27	-0.0005 u (ppm)	0.5088
5/8/2019 17:44:58	Continuing Calibration Blank	Sb (217.582 nm)	> 100.00	0.0008 u (ppm)	-0.9638
5/8/2019 17:44:58	Continuing Calibration Blank	Se (196.026 nm)	98.07	0.0023 u (ppm)	2.8303
5/8/2019 17:44:58	Continuing Calibration Blank	Sn (189.925 nm)	> 100.00	0.0031 u (ppm)	1.5147
5/8/2019 17:44:58	Continuing Calibration Blank	Sr (216.596 nm)	> 100.00	0.0001 u (ppm)	-0.3177
5/8/2019 17:44:58	Continuing Calibration Blank	Ti (336.122 nm)	21.60	0.0020 (ppm)	380.7326
5/8/2019 17:44:58	Continuing Calibration Blank	Tl (351.923 nm)	> 100.00	0.0012 u (ppm)	-3.8770
5/8/2019 17:44:58	Continuing Calibration Blank	V (292.401 nm)	71.48	0.0004 (ppm)	51.0851
5/8/2019 17:44:58	Continuing Calibration Blank	Y (360.074 nm)	0.43	1.01 (Ratio)	1013152.17
5/8/2019 17:44:58	Continuing Calibration Blank	Y_R (360.074 nm)	0.43	1.01 (Ratio)	1016979.56
5/8/2019 17:44:58	Continuing Calibration Blank	Zn (213.857 nm)	> 100.00	0.0000 u (ppm)	-6.4794
5/8/2019 17:48:16	R1903967-003	Ag (328.068 nm)	> 100.00	0.0002 u (ppm)	-108.2681
5/8/2019 17:48:16	R1903967-003	Al (394.401 nm)	0.27	42.7261 o (ppm)	751622.4654
5/8/2019 17:48:16	R1903967-003	As (188.980 nm)	3.92	0.0450 (ppm)	29.5778
5/8/2019 17:48:16	R1903967-003	B (249.772 nm)	0.35	0.0724 (ppm)	2984.3908
5/8/2019 17:48:16	R1903967-003	Ba (230.424 nm)	0.57	0.3497 (ppm)	17419.0849
5/8/2019 17:48:16	R1903967-003	Be (313.107 nm)	0.55	0.0020 (ppm)	2434.4065
5/8/2019 17:48:16	R1903967-003	Ca (227.547 nm)	0.19	40.1814 (ppm)	2501.9748
5/8/2019 17:48:16	R1903967-003	Cd (214.439 nm)	7.92	0.0029 (ppm)	69.1722
5/8/2019 17:48:16	R1903967-003	Co (230.786 nm)	0.22	0.0350 (ppm)	453.7585
5/8/2019 17:48:16	R1903967-003	Cr (267.716 nm)	0.12	0.0733 (ppm)	3186.2455
5/8/2019 17:48:16	R1903967-003	Cu (327.395 nm)	0.20	0.3756 (ppm)	25325.5235
5/8/2019 17:48:16	R1903967-003	Fe (234.350 nm)	0.30	113.3118 o (ppm)	1282016.7564
5/8/2019 17:48:16	R1903967-003	K (766.491 nm)	0.67	3.9661 (ppm)	14761.8470
5/8/2019 17:48:16	R1903967-003	Mg (279.078 nm)	0.10	23.0161 (ppm)	53629.6434
5/8/2019 17:48:16	R1903967-003	Mn (257.610 nm)	0.11	3.9727 o (ppm)	1295035.7710
5/8/2019 17:48:16	R1903967-003	Mo (202.032 nm)	11.61	0.0039 (ppm)	25.3871
5/8/2019 17:48:16	R1903967-003	Na (588.995 nm)	0.25	0.3505 (ppm)	8709.9026
5/8/2019 17:48:16	R1903967-003	Ni (230.299 nm)	0.32	0.0818 (ppm)	837.8567
5/8/2019 17:48:16	R1903967-003	Pb (220.353 nm)	0.24	0.7309 (ppm)	2037.0185
5/8/2019 17:48:16	R1903967-003	Sb (217.582 nm)	19.25	0.0255 (ppm)	28.4535
5/8/2019 17:48:16	R1903967-003	Se (196.026 nm)	15.04	0.0104 (ppm)	6.8314
5/8/2019 17:48:16	R1903967-003	Sn (189.925 nm)	3.43	0.0439 (ppm)	31.8420
5/8/2019 17:48:16	R1903967-003	Sr (216.596 nm)	0.90	0.1500 (ppm)	1590.4400
5/8/2019 17:48:16	R1903967-003	Ti (336.122 nm)	0.44	0.6316 (ppm)	161199.7689
5/8/2019 17:48:16	R1903967-003	Tl (351.923 nm)	21.78	-0.0056 u (ppm)	-24.8414
5/8/2019 17:48:16	R1903967-003	V (292.401 nm)	0.05	0.1012 (ppm)	3369.3159
5/8/2019 17:48:16	R1903967-003	Y (360.074 nm)	0.74	0.99 (Ratio)	992961.20
5/8/2019 17:48:16	R1903967-003	Y_R (360.074 nm)	0.75	0.99 (Ratio)	996962.12
5/8/2019 17:48:16	R1903967-003	Zn (213.857 nm)	0.81	0.6498 (ppm)	22561.8864
5/8/2019 17:51:35	R1903967-004	Ag (328.068 nm)	5.71	-0.0007 u (ppm)	-176.8916
5/8/2019 17:51:35	R1903967-004	Al (394.401 nm)	0.49	147.9780 o (ppm)	2602655.6290
5/8/2019 17:51:35	R1903967-004	As (188.980 nm)	8.84	0.0560 (ppm)	36.9484
5/8/2019 17:51:35	R1903967-004	B (249.772 nm)	0.19	0.1721 (ppm)	7007.3030
5/8/2019 17:51:35	R1903967-004	Ba (230.424 nm)	0.20	1.4334 (ppm)	71362.2983
5/8/2019 17:51:35	R1903967-004	Be (313.107 nm)	0.49	0.0058 (ppm)	7736.1257

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/8/2019 17:51:35	R1903967-004	Ca (227.547 nm)	0.09	63.9661 o (ppm)	3981.2464
5/8/2019 17:51:35	R1903967-004	Cd (214.439 nm)	7.83	0.0042 (ppm)	98.5659
5/8/2019 17:51:35	R1903967-004	Co (230.786 nm)	0.83	0.0976 (ppm)	1281.0198
5/8/2019 17:51:35	R1903967-004	Cr (267.716 nm)	0.24	0.2186 (ppm)	9473.1426
5/8/2019 17:51:35	R1903967-004	Cu (327.395 nm)	0.28	0.1483 (ppm)	10007.1253
5/8/2019 17:51:35	R1903967-004	Fe (234.350 nm)	0.53	228.7837 o (ppm)	2588445.2793
5/8/2019 17:51:35	R1903967-004	K (766.491 nm)	0.43	8.5481 (ppm)	31877.0049
5/8/2019 17:51:35	R1903967-004	Mg (279.078 nm)	0.29	26.3642 (ppm)	61429.3859
5/8/2019 17:51:35	R1903967-004	Mn (257.610 nm)	0.60	28.8517 o (ppm)	9404928.9336
5/8/2019 17:51:35	R1903967-004	Mo (202.032 nm)	9.96	0.0042 (ppm)	27.1735
5/8/2019 17:51:35	R1903967-004	Na (588.995 nm)	0.56	1.2815 (ppm)	56304.5705
5/8/2019 17:51:35	R1903967-004	Ni (230.299 nm)	0.70	0.1447 (ppm)	1490.8634
5/8/2019 17:51:35	R1903967-004	Pb (220.353 nm)	0.20	0.1879 (ppm)	525.1486
5/8/2019 17:51:35	R1903967-004	Sb (217.582 nm)	> 100.00	-0.0039 u (ppm)	-6.5539
5/8/2019 17:51:35	R1903967-004	Se (196.026 nm)	23.88	0.0175 (ppm)	10.3742
5/8/2019 17:51:35	R1903967-004	Sn (189.925 nm)	21.38	0.0168 (ppm)	11.6662
5/8/2019 17:51:35	R1903967-004	Sr (216.596 nm)	0.47	0.2424 (ppm)	2571.4290
5/8/2019 17:51:35	R1903967-004	Ti (336.122 nm)	0.23	2.3469 (ppm)	599335.0624
5/8/2019 17:51:35	R1903967-004	Tl (351.923 nm)	38.07	-0.0140 u (ppm)	-50.5231
5/8/2019 17:51:35	R1903967-004	V (292.401 nm)	0.42	0.4343 (ppm)	14324.1922
5/8/2019 17:51:35	R1903967-004	Y (360.074 nm)	0.54	0.97 (Ratio)	970375.01
5/8/2019 17:51:35	R1903967-004	Y_R (360.074 nm)	0.53	0.97 (Ratio)	974314.59
5/8/2019 17:51:35	R1903967-004	Zn (213.857 nm)	0.21	0.7201 (ppm)	25004.7594
5/8/2019 17:54:53	R1903967-005	Ag (328.068 nm)	11.44	-0.0002 u (ppm)	-135.7482
5/8/2019 17:54:53	R1903967-005	Al (394.401 nm)	0.29	101.1631 o (ppm)	1779335.8944
5/8/2019 17:54:53	R1903967-005	As (188.980 nm)	7.67	0.0435 (ppm)	28.5797
5/8/2019 17:54:53	R1903967-005	B (249.772 nm)	0.44	0.1181 (ppm)	4826.1606
5/8/2019 17:54:53	R1903967-005	Ba (230.424 nm)	0.31	0.7503 (ppm)	37356.4946
5/8/2019 17:54:53	R1903967-005	Be (313.107 nm)	0.09	0.0037 (ppm)	4873.7187
5/8/2019 17:54:53	R1903967-005	Ca (227.547 nm)	0.51	26.6499 (ppm)	1660.3900
5/8/2019 17:54:53	R1903967-005	Cd (214.439 nm)	3.15	0.0035 (ppm)	82.2401
5/8/2019 17:54:53	R1903967-005	Co (230.786 nm)	0.26	0.0618 (ppm)	807.9998
5/8/2019 17:54:53	R1903967-005	Cr (267.716 nm)	0.29	0.1350 (ppm)	5855.8476
5/8/2019 17:54:53	R1903967-005	Cu (327.395 nm)	0.10	0.2354 (ppm)	15881.2464
5/8/2019 17:54:53	R1903967-005	Fe (234.350 nm)	0.27	180.6341 o (ppm)	2043689.0401
5/8/2019 17:54:53	R1903967-005	K (766.491 nm)	0.57	6.8727 (ppm)	25618.8951
5/8/2019 17:54:53	R1903967-005	Mg (279.078 nm)	0.18	26.2239 (ppm)	61102.5518
5/8/2019 17:54:53	R1903967-005	Mn (257.610 nm)	0.24	11.4336 o (ppm)	3727089.8808
5/8/2019 17:54:53	R1903967-005	Mo (202.032 nm)	9.28	0.0029 (ppm)	19.0518
5/8/2019 17:54:53	R1903967-005	Na (588.995 nm)	0.63	1.0162 (ppm)	42738.2752
5/8/2019 17:54:53	R1903967-005	Ni (230.299 nm)	1.79	0.1486 (ppm)	1531.0470
5/8/2019 17:54:53	R1903967-005	Pb (220.353 nm)	1.04	0.1647 (ppm)	460.6643
5/8/2019 17:54:53	R1903967-005	Sb (217.582 nm)	95.64	-0.0009 u (ppm)	-2.9545
5/8/2019 17:54:53	R1903967-005	Se (196.026 nm)	88.76	0.0080 u (ppm)	5.6747
5/8/2019 17:54:53	R1903967-005	Sn (189.925 nm)	18.57	0.0164 (ppm)	11.3567
5/8/2019 17:54:53	R1903967-005	Sr (216.596 nm)	0.97	0.1458 (ppm)	1546.2492
5/8/2019 17:54:53	R1903967-005	Ti (336.122 nm)	0.14	1.0724 (ppm)	273789.7190
5/8/2019 17:54:53	R1903967-005	Tl (351.923 nm)	14.32	-0.0107 u (ppm)	-40.4416
5/8/2019 17:54:53	R1903967-005	V (292.401 nm)	0.10	0.2177 (ppm)	7199.3346
5/8/2019 17:54:53	R1903967-005	Y (360.074 nm)	0.56	1.00 (Ratio)	1000288.73
5/8/2019 17:54:53	R1903967-005	Y_R (360.074 nm)	0.56	1.00 (Ratio)	1004264.48

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/8/2019 17:54:53	R1903967-005	Zn (213.857 nm)	0.36	0.6550 (ppm)	22743.3693
5/8/2019 17:58:11	R1903967-006	Ag (328.068 nm)	24.17	-0.0002 u (ppm)	-134.7245
5/8/2019 17:58:11	R1903967-006	Al (394.401 nm)	0.39	90.9857 o (ppm)	1600349.1230
5/8/2019 17:58:11	R1903967-006	As (188.980 nm)	7.78	0.0410 (ppm)	26.9659
5/8/2019 17:58:11	R1903967-006	B (249.772 nm)	0.33	0.1143 (ppm)	4673.7283
5/8/2019 17:58:11	R1903967-006	Ba (230.424 nm)	0.14	0.5366 (ppm)	26722.3606
5/8/2019 17:58:11	R1903967-006	Be (313.107 nm)	0.51	0.0029 (ppm)	3641.5881
5/8/2019 17:58:11	R1903967-006	Ca (227.547 nm)	0.49	809.0826 o (ppm)	50323.1969
5/8/2019 17:58:11	R1903967-006	Cd (214.439 nm)	4.92	0.0037 (ppm)	86.4336
5/8/2019 17:58:11	R1903967-006	Co (230.786 nm)	0.46	0.0602 (ppm)	786.7815
5/8/2019 17:58:11	R1903967-006	Cr (267.716 nm)	0.10	0.1050 (ppm)	4558.6705
5/8/2019 17:58:11	R1903967-006	Cu (327.395 nm)	0.34	0.2357 (ppm)	15899.4840
5/8/2019 17:58:11	R1903967-006	Fe (234.350 nm)	0.38	184.0516 o (ppm)	2082354.5222
5/8/2019 17:58:11	R1903967-006	K (766.491 nm)	1.01	8.2566 (ppm)	30788.2071
5/8/2019 17:58:11	R1903967-006	Mg (279.078 nm)	0.25	103.8274 o (ppm)	241884.1834
5/8/2019 17:58:11	R1903967-006	Mn (257.610 nm)	0.35	4.8901 o (ppm)	1594062.5497
5/8/2019 17:58:11	R1903967-006	Mo (202.032 nm)	46.78	0.0017 (ppm)	12.0643
5/8/2019 17:58:11	R1903967-006	Na (588.995 nm)	1.03	0.9836 (ppm)	41073.1295
5/8/2019 17:58:11	R1903967-006	Ni (230.299 nm)	0.41	0.1540 (ppm)	1587.7762
5/8/2019 17:58:11	R1903967-006	Pb (220.353 nm)	2.24	0.0801 (ppm)	225.1711
5/8/2019 17:58:11	R1903967-006	Sb (217.582 nm)	7.20	-0.0074 u (ppm)	-10.6379
5/8/2019 17:58:11	R1903967-006	Se (196.026 nm)	> 100.00	-0.0001 u (ppm)	1.5979
5/8/2019 17:58:11	R1903967-006	Sn (189.925 nm)	23.93	0.0113 (ppm)	7.6091
5/8/2019 17:58:11	R1903967-006	Sr (216.596 nm)	0.43	0.6231 (ppm)	6612.8296
5/8/2019 17:58:11	R1903967-006	Ti (336.122 nm)	1.38	0.5886 (ppm)	150219.0732
5/8/2019 17:58:11	R1903967-006	Tl (351.923 nm)	13.95	0.0102 (ppm)	23.7503
5/8/2019 17:58:11	R1903967-006	V (292.401 nm)	0.18	0.1350 (ppm)	4480.8789
5/8/2019 17:58:11	R1903967-006	Y (360.074 nm)	0.77	0.91 (Ratio)	912310.17
5/8/2019 17:58:11	R1903967-006	Y_R (360.074 nm)	0.78	0.91 (Ratio)	916168.25
5/8/2019 17:58:11	R1903967-006	Zn (213.857 nm)	0.10	0.7689 (ppm)	26698.7823
5/8/2019 18:01:29	R1903967-009	Ag (328.068 nm)	> 100.00	0.0000 u (ppm)	-119.3592
5/8/2019 18:01:29	R1903967-009	Al (394.401 nm)	0.36	62.6682 o (ppm)	1102338.9273
5/8/2019 18:01:29	R1903967-009	As (188.980 nm)	1.26	0.0613 (ppm)	40.4894
5/8/2019 18:01:29	R1903967-009	B (249.772 nm)	0.52	0.0881 (ppm)	3615.6081
5/8/2019 18:01:29	R1903967-009	Ba (230.424 nm)	0.33	0.4682 (ppm)	23314.8136
5/8/2019 18:01:29	R1903967-009	Be (313.107 nm)	0.49	0.0025 (ppm)	3141.7063
5/8/2019 18:01:29	R1903967-009	Ca (227.547 nm)	0.17	526.6685 o (ppm)	32758.6662
5/8/2019 18:01:29	R1903967-009	Cd (214.439 nm)	6.16	0.0030 (ppm)	73.0429
5/8/2019 18:01:29	R1903967-009	Co (230.786 nm)	2.52	0.0522 (ppm)	681.6713
5/8/2019 18:01:29	R1903967-009	Cr (267.716 nm)	0.32	0.0825 (ppm)	3587.0623
5/8/2019 18:01:29	R1903967-009	Cu (327.395 nm)	0.16	0.2165 (ppm)	14605.6831
5/8/2019 18:01:29	R1903967-009	Fe (234.350 nm)	0.29	139.4106 o (ppm)	1577294.4557
5/8/2019 18:01:29	R1903967-009	K (766.491 nm)	0.56	6.4913 (ppm)	24194.3257
5/8/2019 18:01:29	R1903967-009	Mg (279.078 nm)	0.38	65.3803 o (ppm)	152319.4966
5/8/2019 18:01:29	R1903967-009	Mn (257.610 nm)	0.42	3.8211 o (ppm)	1245605.0186
5/8/2019 18:01:29	R1903967-009	Mo (202.032 nm)	9.82	0.0025 (ppm)	17.0717
5/8/2019 18:01:29	R1903967-009	Na (588.995 nm)	0.36	0.6312 (ppm)	23060.2950
5/8/2019 18:01:29	R1903967-009	Ni (230.299 nm)	1.06	0.1226 (ppm)	1261.5524
5/8/2019 18:01:29	R1903967-009	Pb (220.353 nm)	2.54	0.0926 (ppm)	259.7441
5/8/2019 18:01:29	R1903967-009	Sb (217.582 nm)	86.86	-0.0022 u (ppm)	-4.5391
5/8/2019 18:01:29	R1903967-009	Se (196.026 nm)	> 100.00	0.0029 u (ppm)	3.1046

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/8/2019 18:01:29	R1903967-009	Sn (189.925 nm)	8.33	0.0310 (ppm)	22.2367
5/8/2019 18:01:29	R1903967-009	Sr (216.596 nm)	0.54	0.5559 (ppm)	5898.5302
5/8/2019 18:01:29	R1903967-009	Ti (336.122 nm)	0.45	0.4167 (ppm)	106311.5398
5/8/2019 18:01:29	R1903967-009	Tl (351.923 nm)	47.96	0.0054 (ppm)	9.0277
5/8/2019 18:01:29	R1903967-009	V (292.401 nm)	0.67	0.1046 (ppm)	3480.7660
5/8/2019 18:01:29	R1903967-009	Y (360.074 nm)	0.67	0.93 (Ratio)	929640.66
5/8/2019 18:01:29	R1903967-009	Y_R (360.074 nm)	0.66	0.93 (Ratio)	933479.88
5/8/2019 18:01:29	R1903967-009	Zn (213.857 nm)	0.72	0.5703 (ppm)	19800.4505
5/8/2019 18:04:48	R1903967-010	Ag (328.068 nm)	12.38	-0.0002 u (ppm)	-133.5478
5/8/2019 18:04:48	R1903967-010	Al (394.401 nm)	0.23	106.1160 o (ppm)	1866441.7972
5/8/2019 18:04:48	R1903967-010	As (188.980 nm)	6.31	0.0763 (ppm)	50.4313
5/8/2019 18:04:48	R1903967-010	B (249.772 nm)	0.22	0.1280 (ppm)	5228.9121
5/8/2019 18:04:48	R1903967-010	Ba (230.424 nm)	0.39	0.7834 (ppm)	39004.5567
5/8/2019 18:04:48	R1903967-010	Be (313.107 nm)	0.26	0.0043 (ppm)	5677.2465
5/8/2019 18:04:48	R1903967-010	Ca (227.547 nm)	1.38	8.9755 (ppm)	561.1480
5/8/2019 18:04:48	R1903967-010	Cd (214.439 nm)	3.27	0.0045 (ppm)	103.6851
5/8/2019 18:04:48	R1903967-010	Co (230.786 nm)	0.89	0.0990 (ppm)	1300.6974
5/8/2019 18:04:48	R1903967-010	Cr (267.716 nm)	0.08	0.1341 (ppm)	5817.3870
5/8/2019 18:04:48	R1903967-010	Cu (327.395 nm)	0.22	0.2143 (ppm)	14459.3574
5/8/2019 18:04:48	R1903967-010	Fe (234.350 nm)	0.30	223.3436 o (ppm)	2526896.9851
5/8/2019 18:04:48	R1903967-010	K (766.491 nm)	0.38	6.8960 (ppm)	25705.7113
5/8/2019 18:04:48	R1903967-010	Mg (279.078 nm)	0.05	32.1268 (ppm)	74853.5140
5/8/2019 18:04:48	R1903967-010	Mn (257.610 nm)	0.14	7.6176 o (ppm)	2483185.9162
5/8/2019 18:04:48	R1903967-010	Mo (202.032 nm)	10.83	0.0028 (ppm)	18.8577
5/8/2019 18:04:48	R1903967-010	Na (588.995 nm)	0.76	0.2946 (ppm)	5854.0410
5/8/2019 18:04:48	R1903967-010	Ni (230.299 nm)	0.44	0.2218 (ppm)	2291.2870
5/8/2019 18:04:48	R1903967-010	Pb (220.353 nm)	0.77	0.1966 (ppm)	549.4053
5/8/2019 18:04:48	R1903967-010	Sb (217.582 nm)	82.30	-0.0080 u (ppm)	-11.3842
5/8/2019 18:04:48	R1903967-010	Se (196.026 nm) 20%	20.23	0.0160 (ppm)	9.6589
5/8/2019 18:04:48	R1903967-010	Sn (189.925 nm) OK	21.58	0.0141 (ppm)	9.6582
5/8/2019 18:04:48	R1903967-010	Sr (216.596 nm)	0.83	0.1063 (ppm)	1126.7782
5/8/2019 18:04:48	R1903967-010	Ti (336.122 nm)	0.71	0.3436 (ppm)	87634.7948
5/8/2019 18:04:48	R1903967-010	Tl (351.923 nm)	5.68	-0.0169 u (ppm)	-59.4574
5/8/2019 18:04:48	R1903967-010	V (292.401 nm)	0.17	0.1529 (ppm)	5070.3287
5/8/2019 18:04:48	R1903967-010	Y (360.074 nm)	0.71	1.00 (Ratio)	1002075.90
5/8/2019 18:04:48	R1903967-010	Y_R (360.074 nm)	0.72	1.00 (Ratio)	1006171.13
5/8/2019 18:04:48	R1903967-010	Zn (213.857 nm)	0.19	0.6651 (ppm)	23092.2974
5/8/2019 18:08:07	R1903957-002 10X	Ag (328.068 nm)	15.24	0.0004 (ppm)	-87.7851
5/8/2019 18:08:07	R1903957-002 10X	Al (394.401 nm)	0.56	4.1853 (ppm)	73816.8704
5/8/2019 18:08:07	R1903957-002 10X	As (188.980 nm)	27.39	0.0083 (ppm)	5.1838
5/8/2019 18:08:07	R1903957-002 10X	B (249.772 nm)	0.92	0.0124 (ppm)	563.4594
5/8/2019 18:08:07	R1903957-002 10X	Ba (230.424 nm)	0.09	0.1109 (ppm)	5529.1694
5/8/2019 18:08:07	R1903957-002 10X	Be (313.107 nm)	0.90	0.0003 (ppm)	134.8175
5/8/2019 18:08:07	R1903957-002 10X	Ca (227.547 nm)	0.45	42.2511 (ppm)	2630.7002
5/8/2019 18:08:07	R1903957-002 10X	Cd (214.439 nm)	28.67	0.0008 (ppm)	25.1389
5/8/2019 18:08:07	R1903957-002 10X	Co (230.786 nm)	5.78	0.0041 (ppm)	44.6628
5/8/2019 18:08:07	R1903957-002 10X	Cr (267.716 nm)	1.40	0.0114 (ppm)	509.0754
5/8/2019 18:08:07	R1903957-002 10X	Cu (327.395 nm)	0.25	0.0931 (ppm)	6284.0837
5/8/2019 18:08:07	R1903957-002 10X	Fe (234.350 nm)	0.15	11.4350 o (ppm)	129402.3106
5/8/2019 18:08:07	R1903957-002 10X	K (766.491 nm)	0.62	0.8211 (ppm)	3014.1460
5/8/2019 18:08:07	R1903957-002 10X	Mg (279.078 nm)	0.05	14.8180 (ppm)	34531.8269

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/8/2019 18:08:07	R1903957-002 10X	Mn (257.610 nm)	0.27	0.3189 (ppm)	104001.6769
5/8/2019 18:08:07	R1903957-002 10X	Mo (202.032 nm)	80.04	0.0003 (ppm)	4.0556
5/8/2019 18:08:07	R1903957-002 10X	Na (588.995 nm)	1.09	0.2647 (ppm)	4321.4191
5/8/2019 18:08:07	R1903957-002 10X	Ni (230.299 nm)	11.29	0.0096 (ppm)	87.7536
5/8/2019 18:08:07	R1903957-002 10X	Pb (220.353 nm)	2.06	0.0757 (ppm)	212.8356
5/8/2019 18:08:07	R1903957-002 10X	Sb (217.582 nm)	> 100.00	0.0005 u (ppm)	-1.2515
5/8/2019 18:08:07	R1903957-002 10X	Se (196.026 nm)	> 100.00	0.0023 u (ppm)	2.8027
5/8/2019 18:08:07	R1903957-002 10X	Sn (189.925 nm)	20.32	0.0047 (ppm)	2.6750
5/8/2019 18:08:07	R1903957-002 10X	Sr (216.596 nm)	0.97	0.0691 (ppm)	731.4529
5/8/2019 18:08:07	R1903957-002 10X	Ti (336.122 nm)	0.44	0.1218 (ppm)	30973.5750
5/8/2019 18:08:07	R1903957-002 10X	Tl (351.923 nm)	44.17	0.0022 (ppm)	-0.9274
5/8/2019 18:08:07	R1903957-002 10X	V (292.401 nm)	0.45	0.0144 (ppm)	512.6050
5/8/2019 18:08:07	R1903957-002 10X	Y (360.074 nm)	0.58	0.99 (Ratio)	990270.04
5/8/2019 18:08:07	R1903957-002 10X	Y_R (360.074 nm)	0.57	0.99 (Ratio)	994270.58
5/8/2019 18:08:07	R1903957-002 10X	Zn (213.857 nm)	0.07	0.2035 (ppm)	7061.0180
5/8/2019 18:11:26	R1903957-002S 10X	Ag (328.068 nm)	3.89	0.0055 (ppm)	296.0525
5/8/2019 18:11:26	R1903957-002S 10X	Al (394.401 nm)	0.18	5.0419 (ppm)	88882.5597
5/8/2019 18:11:26	R1903957-002S 10X	As (188.980 nm)	13.59	0.0171 (ppm)	11.0335
5/8/2019 18:11:26	R1903957-002S 10X	B (249.772 nm)	0.41	0.1172 (ppm)	4790.3910
5/8/2019 18:11:26	R1903957-002S 10X	Ba (230.424 nm)	0.09	0.3576 (ppm)	17810.9264
5/8/2019 18:11:26	R1903957-002S 10X	Be (313.107 nm)	0.20	0.0053 (ppm)	6993.5411
5/8/2019 18:11:26	R1903957-002S 10X	Ca (227.547 nm)	0.18	36.7890 (ppm)	2290.9860
5/8/2019 18:11:26	R1903957-002S 10X	Cd (214.439 nm)	0.70	0.0062 (ppm)	141.1978
5/8/2019 18:11:26	R1903957-002S 10X	Co (230.786 nm)	0.84	0.0550 (ppm)	718.6596
5/8/2019 18:11:26	R1903957-002S 10X	Cr (267.716 nm)	0.15	0.0342 (ppm)	1494.2390
5/8/2019 18:11:26	R1903957-002S 10X	Cu (327.395 nm)	0.94	0.0908 (ppm)	6129.3516
5/8/2019 18:11:26	R1903957-002S 10X	Fe (234.350 nm)	0.23	34.0642 o (ppm)	385424.0283
5/8/2019 18:11:26	R1903957-002S 10X	K (766.491 nm)	0.27	2.6303 (ppm)	9772.2755
5/8/2019 18:11:26	R1903957-002S 10X	Mg (279.078 nm)	0.20	12.6121 (ppm)	29393.0646
5/8/2019 18:11:26	R1903957-002S 10X	Mn (257.610 nm)	0.18	0.4292 (ppm)	139938.9500
5/8/2019 18:11:26	R1903957-002S 10X	Mo (202.032 nm)	0.88	0.0504 (ppm)	296.3902
5/8/2019 18:11:26	R1903957-002S 10X	Na (588.995 nm)	0.42	2.5391 (ppm)	120590.7498
5/8/2019 18:11:26	R1903957-002S 10X	Ni (230.299 nm)	0.17	0.0607 (ppm)	618.2686
5/8/2019 18:11:26	R1903957-002S 10X	Pb (220.353 nm)	1.01	0.1499 (ppm)	419.3644
5/8/2019 18:11:26	R1903957-002S 10X	Sb (217.582 nm)	3.89	0.0365 (ppm)	41.6184
5/8/2019 18:11:26	R1903957-002S 10X	Se (196.026 nm)	3.60	0.0930 (ppm)	47.9991
5/8/2019 18:11:26	R1903957-002S 10X	Sn (189.925 nm)	0.41	0.5071 (ppm)	376.0995
5/8/2019 18:11:26	R1903957-002S 10X	Sr (216.596 nm)	0.40	0.2765 (ppm)	2932.9828
5/8/2019 18:11:26	R1903957-002S 10X	Ti (336.122 nm)	0.81	0.1816 (ppm)	46258.3082
5/8/2019 18:11:26	R1903957-002S 10X	Tl (351.923 nm)	0.32	0.1894 (ppm)	572.4132
5/8/2019 18:11:26	R1903957-002S 10X	V (292.401 nm)	0.09	0.0679 (ppm)	2274.2213
5/8/2019 18:11:26	R1903957-002S 10X	Y (360.074 nm)	0.43	0.98 (Ratio)	987157.28
5/8/2019 18:11:26	R1903957-002S 10X	Y_R (360.074 nm)	0.44	0.98 (Ratio)	991337.31
5/8/2019 18:11:26	R1903957-002S 10X	Zn (213.857 nm)	0.84	0.2944 (ppm)	10218.5621
5/8/2019 18:14:45	R1903957-002SD 10X	Ag (328.068 nm)	0.31	0.0054 (ppm)	292.1917
5/8/2019 18:14:45	R1903957-002SD 10X	Al (394.401 nm)	0.18	4.7809 (ppm)	84291.5019
5/8/2019 18:14:45	R1903957-002SD 10X	As (188.980 nm)	12.18	0.0148 (ppm)	9.5025
5/8/2019 18:14:45	R1903957-002SD 10X	B (249.772 nm)	0.13	0.1073 (ppm)	4392.4141
5/8/2019 18:14:45	R1903957-002SD 10X	Ba (230.424 nm)	0.16	0.3227 (ppm)	16071.4651
5/8/2019 18:14:45	R1903957-002SD 10X	Be (313.107 nm)	0.18	0.0053 (ppm)	6974.0350
5/8/2019 18:14:45	R1903957-002SD 10X	Ca (227.547 nm)	0.20	33.8097 (ppm)	2105.6936

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/8/2019 18:14:45	R1903957-002SD 10X	Cd (214.439 nm)	1.64	0.0056 (ppm)	129.0421
5/8/2019 18:14:45	R1903957-002SD 10X	Co (230.786 nm)	1.08	0.0549 (ppm)	717.4270
5/8/2019 18:14:45	R1903957-002SD 10X	Cr (267.716 nm)	0.59	0.0324 (ppm)	1417.7773
5/8/2019 18:14:45	R1903957-002SD 10X	Cu (327.395 nm)	0.38	0.1030 (ppm)	6955.1898
5/8/2019 18:14:45	R1903957-002SD 10X	Fe (234.350 nm)	0.08	13.5926 o (ppm)	153812.2645
5/8/2019 18:14:45	R1903957-002SD 10X	K (766.491 nm)	0.60	2.6377 (ppm)	9799.5594
5/8/2019 18:14:45	R1903957-002SD 10X	Mg (279.078 nm)	0.09	12.2315 (ppm)	28506.2772
5/8/2019 18:14:45	R1903957-002SD 10X	Mn (257.610 nm)	0.13	0.3338 (ppm)	108836.6662
5/8/2019 18:14:45	R1903957-002SD 10X	Mo (202.032 nm)	1.37	0.0498 (ppm)	293.3602
5/8/2019 18:14:45	R1903957-002SD 10X	Na (588.995 nm)	0.59	2.2297 (ppm)	104773.1636
5/8/2019 18:14:45	R1903957-002SD 10X	Ni (230.299 nm)	0.55	0.0600 (ppm)	611.0945
5/8/2019 18:14:45	R1903957-002SD 10X	Pb (220.353 nm)	1.19	0.1447 (ppm)	404.8949
5/8/2019 18:14:45	R1903957-002SD 10X	Sb (217.582 nm)	3.87	0.0377 (ppm)	42.9419
5/8/2019 18:14:45	R1903957-002SD 10X	Se (196.026 nm)	8.00	0.0913 (ppm)	47.1406
5/8/2019 18:14:45	R1903957-002SD 10X	Sn (189.925 nm)	0.74	0.5024 (ppm)	372.6110
5/8/2019 18:14:45	R1903957-002SD 10X	Sr (216.596 nm)	0.29	0.2622 (ppm)	2781.1553
5/8/2019 18:14:45	R1903957-002SD 10X	Ti (336.122 nm)	0.20	0.1751 (ppm)	44590.9009
5/8/2019 18:14:45	R1903957-002SD 10X	Tl (351.923 nm)	0.31	0.1917 (ppm)	579.5136
5/8/2019 18:14:45	R1903957-002SD 10X	V (292.401 nm)	0.50	0.0645 (ppm)	2161.6613
5/8/2019 18:14:45	R1903957-002SD 10X	Y (360.074 nm)	0.36	0.99 (Ratio)	993560.42
5/8/2019 18:14:45	R1903957-002SD 10X	Y_R (360.074 nm)	0.36	0.99 (Ratio)	997913.68
5/8/2019 18:14:45	R1903957-002SD 10X	Zn (213.857 nm)	0.81	0.3097 (ppm)	10749.9350
5/8/2019 18:18:04	R1903957-002A 10X	Ag (328.068 nm)	0.70	0.0468 (ppm)	3446.3595
5/8/2019 18:18:04	R1903957-002A 10X	Al (394.401 nm)	0.07	5.7896 (ppm)	102031.2386
5/8/2019 18:18:04	R1903957-002A 10X	As (188.980 nm)	4.82	0.0445 (ppm)	29.3012
5/8/2019 18:18:04	R1903957-002A 10X	B (249.772 nm)	0.07	0.9573 (ppm)	38693.6847
5/8/2019 18:18:04	R1903957-002A 10X	Ba (230.424 nm)	0.20	2.0362 (ppm)	101364.9237
5/8/2019 18:18:04	R1903957-002A 10X	Be (313.107 nm)	0.12	0.0477 (ppm)	65803.4072
5/8/2019 18:18:04	R1903957-002A 10X	Ca (227.547 nm)	0.10	42.4038 (ppm)	2640.1964
5/8/2019 18:18:04	R1903957-002A 10X	Cd (214.439 nm)	0.15	0.0491 (ppm)	1060.1469
5/8/2019 18:18:04	R1903957-002A 10X	Co (230.786 nm)	0.19	0.4879 (ppm)	6443.0889
5/8/2019 18:18:04	R1903957-002A 10X	Cr (267.716 nm)	0.17	0.2041 (ppm)	8848.9808
5/8/2019 18:18:04	R1903957-002A 10X	Cu (327.395 nm)	0.23	0.3168 (ppm)	21364.4336
5/8/2019 18:18:04	R1903957-002A 10X	Fe (234.350 nm)	0.09	11.6066 o (ppm)	131343.3174
5/8/2019 18:18:04	R1903957-002A 10X	K (766.491 nm)	0.46	18.9993 (ppm)	70915.5663
5/8/2019 18:18:04	R1903957-002A 10X	Mg (279.078 nm)	0.07	15.7262 (ppm)	36647.4076
5/8/2019 18:18:04	R1903957-002A 10X	Mn (257.610 nm)	0.06	0.7740 (ppm)	252345.4835
5/8/2019 18:18:04	R1903957-002A 10X	Mo (202.032 nm)	0.14	0.4932 (ppm)	2881.5853
5/8/2019 18:18:04	R1903957-002A 10X	Na (588.995 nm)	0.10	18.1791 (ppm)	920113.1350
5/8/2019 18:18:04	R1903957-002A 10X	Ni (230.299 nm)	0.22	0.4790 (ppm)	4961.0569
5/8/2019 18:18:04	R1903957-002A 10X	Pb (220.353 nm)	0.23	0.5525 (ppm)	1540.2425
5/8/2019 18:18:04	R1903957-002A 10X	Sb (217.582 nm)	0.68	0.4645 (ppm)	550.9498
5/8/2019 18:18:04	R1903957-002A 10X	Se (196.026 nm)	0.77	1.0765 (ppm)	537.7915
5/8/2019 18:18:04	R1903957-002A 10X	Sn (189.925 nm)	0.19	4.8690 (ppm)	3618.3882
5/8/2019 18:18:04	R1903957-002A 10X	Sr (216.596 nm)	0.08	2.2057 (ppm)	23411.6756
5/8/2019 18:18:04	R1903957-002A 10X	Ti (336.122 nm)	0.08	0.6075 (ppm)	155045.5707
5/8/2019 18:18:04	R1903957-002A 10X	Tl (351.923 nm)	0.49	1.8266 (ppm)	5587.1371
5/8/2019 18:18:04	R1903957-002A 10X	V (292.401 nm)	0.22	0.4883 (ppm)	16103.4325
5/8/2019 18:18:04	R1903957-002A 10X	Y (360.074 nm)	0.50	0.97 (Ratio)	976695.48
5/8/2019 18:18:04	R1903957-002A 10X	Y_R (360.074 nm)	0.50	0.97 (Ratio)	981020.66
5/8/2019 18:18:04	R1903957-002A 10X	Zn (213.857 nm)	0.21	0.6557 (ppm)	22767.1331

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/8/2019 18:21:23	Continuing Calibration Verification	Ag (328.068 nm)	0.23	0.4925 (ppm)	37401.5858
5/8/2019 18:21:23	Continuing Calibration Verification	Al (394.401 nm)	0.32	9.6339 (ppm)	169639.3139
5/8/2019 18:21:23	Continuing Calibration Verification	As (188.980 nm)	0.80	0.9720 (ppm)	647.1663
5/8/2019 18:21:23	Continuing Calibration Verification	B (249.772 nm)	0.24	2.4730 (ppm)	99861.4113
5/8/2019 18:21:23	Continuing Calibration Verification	Ba (230.424 nm)	0.16	10.3199 (ppm)	513702.0747
5/8/2019 18:21:23	Continuing Calibration Verification	Be (313.107 nm)	0.29	0.2567 (ppm)	355278.5689
5/8/2019 18:21:23	Continuing Calibration Verification	Ca (227.547 nm)	0.27	24.2300 (ppm)	1509.8858
5/8/2019 18:21:23	Continuing Calibration Verification	Cd (214.439 nm)	0.32	0.5066 (ppm)	10858.9321
5/8/2019 18:21:23	Continuing Calibration Verification	Co (230.786 nm)	0.15	2.6298 (ppm)	34769.6776
5/8/2019 18:21:23	Continuing Calibration Verification	Cr (267.716 nm)	0.22	0.5092 (ppm)	22050.3852
5/8/2019 18:21:23	Continuing Calibration Verification	Cu (327.395 nm)	0.16	1.2040 (ppm)	81165.0653
5/8/2019 18:21:23	Continuing Calibration Verification	Fe (234.350 nm)	0.15	4.9464 (ppm)	55990.6350
5/8/2019 18:21:23	Continuing Calibration Verification	K (766.491 nm)	0.62	24.3266 (ppm)	90814.7127
5/8/2019 18:21:23	Continuing Calibration Verification	Mg (279.078 nm)	0.19	25.2023 (ppm)	58722.6972
5/8/2019 18:21:23	Continuing Calibration Verification	Mn (257.610 nm)	0.29	0.7582 (ppm)	247194.4258
5/8/2019 18:21:23	Continuing Calibration Verification	Mo (202.032 nm)	0.16	2.5085 (ppm)	14647.2493
5/8/2019 18:21:23	Continuing Calibration Verification	Na (588.995 nm)	0.58	23.8917 (ppm)	1212137.8238
5/8/2019 18:21:23	Continuing Calibration Verification	Ni (230.299 nm)	0.17	2.0085 (ppm)	20839.6270
5/8/2019 18:21:23	Continuing Calibration Verification	Pb (220.353 nm)	0.30	0.5064 (ppm)	1411.9643
5/8/2019 18:21:23	Continuing Calibration Verification	Sb (217.582 nm)	0.20	4.7980 (ppm)	5709.0380
5/8/2019 18:21:23	Continuing Calibration Verification	Se (196.026 nm)	1.02	0.4765 (ppm)	238.9798
5/8/2019 18:21:23	Continuing Calibration Verification	Sn (189.925 nm)	0.07	5.0236 (ppm)	3733.2789
5/8/2019 18:21:23	Continuing Calibration Verification	Sr (216.596 nm)	0.41	2.5822 (ppm)	27408.0876
5/8/2019 18:21:23	Continuing Calibration Verification	Ti (336.122 nm)	0.13	2.5207 (ppm)	643727.7458
5/8/2019 18:21:23	Continuing Calibration Verification	Tl (351.923 nm)	0.48	1.0001 (ppm)	3055.6629
5/8/2019 18:21:23	Continuing Calibration Verification	V (292.401 nm)	0.28	2.5571 (ppm)	84153.4568
5/8/2019 18:21:23	Continuing Calibration Verification	Y (360.074 nm)	0.60	0.96 (Ratio)	962378.81
5/8/2019 18:21:23	Continuing Calibration Verification	Y_R (360.074 nm)	0.60	0.96 (Ratio)	966662.57
5/8/2019 18:21:23	Continuing Calibration Verification	Zn (213.857 nm)	0.13	0.9846 (ppm)	34191.8553
5/8/2019 18:24:41	Continuing Calibration Blank	Ag (328.068 nm)	97.92	0.0001 (ppm)	-111.8008
5/8/2019 18:24:41	Continuing Calibration Blank	Al (394.401 nm)	> 100.00	0.0001 u (ppm)	213.2433
5/8/2019 18:24:41	Continuing Calibration Blank	As (188.980 nm)	79.01	0.0022 (ppm)	1.1018
5/8/2019 18:24:41	Continuing Calibration Blank	B (249.772 nm)	43.72	0.0006 (ppm)	87.2454
5/8/2019 18:24:41	Continuing Calibration Blank	Ba (230.424 nm)	27.58	0.0012 (ppm)	69.2675
5/8/2019 18:24:41	Continuing Calibration Blank	Be (313.107 nm)	23.93	0.0000 (ppm)	-261.5701
5/8/2019 18:24:41	Continuing Calibration Blank	Ca (227.547 nm)	> 100.00	0.0091 u (ppm)	3.4894
5/8/2019 18:24:41	Continuing Calibration Blank	Cd (214.439 nm)	> 100.00	0.0001 u (ppm)	9.7138
5/8/2019 18:24:41	Continuing Calibration Blank	Co (230.786 nm)	56.96	0.0007 (ppm)	-0.2110
5/8/2019 18:24:41	Continuing Calibration Blank	Cr (267.716 nm)	> 100.00	0.0000 u (ppm)	13.3311
5/8/2019 18:24:41	Continuing Calibration Blank	Cu (327.395 nm)	86.74	0.0001 (ppm)	20.9199
5/8/2019 18:24:41	Continuing Calibration Blank	Fe (234.350 nm)	17.12	0.0033 (ppm)	66.1014
5/8/2019 18:24:41	Continuing Calibration Blank	K (766.491 nm)	33.32	0.0215 (ppm)	27.2693
5/8/2019 18:24:41	Continuing Calibration Blank	Mg (279.078 nm)	> 100.00	0.0009 (ppm)	14.6021
5/8/2019 18:24:41	Continuing Calibration Blank	Mn (257.610 nm)	18.11	0.0002 (ppm)	90.1721
5/8/2019 18:24:41	Continuing Calibration Blank	Mo (202.032 nm)	8.58	0.0038 (ppm)	24.5928
5/8/2019 18:24:41	Continuing Calibration Blank	Na (588.995 nm)	79.43	0.0030 (ppm)	-9052.5146
5/8/2019 18:24:41	Continuing Calibration Blank	Ni (230.299 nm)	> 100.00	0.0001 u (ppm)	-10.0726
5/8/2019 18:24:41	Continuing Calibration Blank	Pb (220.353 nm)	> 100.00	-0.0002 u (ppm)	1.4091
5/8/2019 18:24:41	Continuing Calibration Blank	Sb (217.582 nm)	> 100.00	0.0015 (ppm)	-0.0374
5/8/2019 18:24:41	Continuing Calibration Blank	Se (196.026 nm)	66.05	0.0022 (ppm)	2.7659
5/8/2019 18:24:41	Continuing Calibration Blank	Sn (189.925 nm)	71.23	0.0021 (ppm)	0.7286

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/8/2019 18:24:41	Continuing Calibration Blank	Sr (216.596 nm)	13.98	0.0005 (ppm)	3.0626
5/8/2019 18:24:41	Continuing Calibration Blank	Ti (336.122 nm)	22.41	0.0020 (ppm)	370.4415
5/8/2019 18:24:41	Continuing Calibration Blank	Tl (351.923 nm)	21.68	0.0036 (ppm)	3.4121
5/8/2019 18:24:41	Continuing Calibration Blank	V (292.401 nm)	26.22	0.0004 (ppm)	53.6791
5/8/2019 18:24:41	Continuing Calibration Blank	Y (360.074 nm)	0.49	1.01 (Ratio)	1012883.37
5/8/2019 18:24:41	Continuing Calibration Blank	Y_R (360.074 nm)	0.47	1.01 (Ratio)	1017207.99
5/8/2019 18:24:41	Continuing Calibration Blank	Zn (213.857 nm)	66.24	0.0001 (ppm)	-2.5578
5/8/2019 18:28:00	R1903957-002L 10X	Ag (328.068 nm)	> 100.00	0.0000 u (ppm)	-117.2702
5/8/2019 18:28:00	R1903957-002L 10X	Al (394.401 nm)	0.13	0.7903 (ppm)	14110.1475
5/8/2019 18:28:00	R1903957-002L 10X	As (188.980 nm)	62.07	0.0031 (ppm)	1.7087
5/8/2019 18:28:00	R1903957-002L 10X	B (249.772 nm)	6.59	0.0023 (ppm)	155.1263
5/8/2019 18:28:00	R1903957-002L 10X	Ba (230.424 nm)	1.14	0.0218 (ppm)	1094.6028
5/8/2019 18:28:00	R1903957-002L 10X	Be (313.107 nm)	4.16	0.0001 (ppm)	-225.1070
5/8/2019 18:28:00	R1903957-002L 10X	Ca (227.547 nm)	0.48	8.0515 (ppm)	503.6784
5/8/2019 18:28:00	R1903957-002L 10X	Cd (214.439 nm)	97.82	0.0001 (ppm)	10.5879
5/8/2019 18:28:00	R1903957-002L 10X	Co (230.786 nm)	8.07	0.0012 (ppm)	6.0917
5/8/2019 18:28:00	R1903957-002L 10X	Cr (267.716 nm)	5.13	0.0021 (ppm)	105.5634
5/8/2019 18:28:00	R1903957-002L 10X	Cu (327.395 nm)	1.17	0.0183 (ppm)	1242.4770
5/8/2019 18:28:00	R1903957-002L 10X	Fe (234.350 nm)	0.19	2.2580 (ppm)	25575.0188
5/8/2019 18:28:00	R1903957-002L 10X	K (766.491 nm)	2.46	0.1624 (ppm)	553.7168
5/8/2019 18:28:00	R1903957-002L 10X	Mg (279.078 nm)	0.28	2.8959 (ppm)	6758.5970
5/8/2019 18:28:00	R1903957-002L 10X	Mn (257.610 nm)	0.28	0.0634 (ppm)	20694.6944
5/8/2019 18:28:00	R1903957-002L 10X	Mo (202.032 nm)	68.27	0.0009 (ppm)	7.8970
5/8/2019 18:28:00	R1903957-002L 10X	Na (588.995 nm)	2.68	0.0520 (ppm)	-6550.6033
5/8/2019 18:28:00	R1903957-002L 10X	Ni (230.299 nm)	18.55	0.0022 (ppm)	10.8803
5/8/2019 18:28:00	R1903957-002L 10X	Pb (220.353 nm)	6.54	0.0139 (ppm)	40.6575
5/8/2019 18:28:00	R1903957-002L 10X	Sb (217.582 nm)	17.54	0.0018 (ppm)	0.3107
5/8/2019 18:28:00	R1903957-002L 10X	Se (196.026 nm)	> 100.00	0.0012 u (ppm)	2.2611
5/8/2019 18:28:00	R1903957-002L 10X	Sn (189.925 nm)	> 100.00	0.0009 u (ppm)	-0.1277
5/8/2019 18:28:00	R1903957-002L 10X	Sr (216.596 nm)	1.35	0.0139 (ppm)	146.0459
5/8/2019 18:28:00	R1903957-002L 10X	Ti (336.122 nm)	0.31	0.0241 (ppm)	6021.9994
5/8/2019 18:28:00	R1903957-002L 10X	Tl (351.923 nm)	16.19	0.0018 (ppm)	-2.0381
5/8/2019 18:28:00	R1903957-002L 10X	V (292.401 nm)	4.52	0.0028 (ppm)	131.5117
5/8/2019 18:28:00	R1903957-002L 10X	Y (360.074 nm)	0.35	1.00 (Ratio)	1008413.01
5/8/2019 18:28:00	R1903957-002L 10X	Y_R (360.074 nm)	0.35	1.01 (Ratio)	1012572.25
5/8/2019 18:28:00	R1903957-002L 10X	Zn (213.857 nm)	0.73	0.0398 (ppm)	1375.2076
5/8/2019 18:31:19	R1903957-004 10X	Ag (328.068 nm)	9.66	0.0013 (ppm)	-25.2725
5/8/2019 18:31:19	R1903957-004 10X	Al (394.401 nm)	0.24	4.2678 (ppm)	75267.4121
5/8/2019 18:31:19	R1903957-004 10X	As (188.980 nm)	33.97	0.0064 (ppm)	3.8858
5/8/2019 18:31:19	R1903957-004 10X	B (249.772 nm)	0.29	0.0146 (ppm)	649.9739
5/8/2019 18:31:19	R1903957-004 10X	Ba (230.424 nm)	0.87	0.1709 (ppm)	8517.3576
5/8/2019 18:31:19	R1903957-004 10X	Be (313.107 nm)	2.00	0.0003 (ppm)	82.3556
5/8/2019 18:31:19	R1903957-004 10X	Ca (227.547 nm)	0.26	69.9610 o (ppm)	4354.0963
5/8/2019 18:31:19	R1903957-004 10X	Cd (214.439 nm)	22.63	0.0009 (ppm)	26.5294
5/8/2019 18:31:19	R1903957-004 10X	Co (230.786 nm)	4.35	0.0039 (ppm)	41.9006
5/8/2019 18:31:19	R1903957-004 10X	Cr (267.716 nm)	1.16	0.0074 (ppm)	336.9154
5/8/2019 18:31:19	R1903957-004 10X	Cu (327.395 nm)	1.35	0.0147 (ppm)	1000.9003
5/8/2019 18:31:19	R1903957-004 10X	Fe (234.350 nm)	0.30	10.9179 (ppm)	123551.6386
5/8/2019 18:31:19	R1903957-004 10X	K (766.491 nm)	0.48	0.9941 (ppm)	3660.4619
5/8/2019 18:31:19	R1903957-004 10X	Mg (279.078 nm)	0.21	29.0001 (ppm)	67569.7309
5/8/2019 18:31:19	R1903957-004 10X	Mn (257.610 nm)	0.19	0.2687 (ppm)	87606.6927

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/8/2019 18:31:19	R1903957-004 10X	Mo (202.032 nm)	39.24	0.0010 (ppm)	8.4787
5/8/2019 18:31:19	R1903957-004 10X	Na (588.995 nm)	0.67	0.2758 (ppm)	4890.9099
5/8/2019 18:31:19	R1903957-004 10X	Ni (230.299 nm)	4.71	0.0088 (ppm)	79.6308
5/8/2019 18:31:19	R1903957-004 10X	Pb (220.353 nm)	0.57	0.0679 (ppm)	191.0926
5/8/2019 18:31:19	R1903957-004 10X	Sb (217.582 nm)	> 100.00	0.0002 u (ppm)	-1.6132
5/8/2019 18:31:19	R1903957-004 10X	Se (196.026 nm)	> 100.00	-0.0046 u (ppm)	-0.6166
5/8/2019 18:31:19	R1903957-004 10X	Sn (189.925 nm)	61.37	0.0015 (ppm)	0.3234
5/8/2019 18:31:19	R1903957-004 10X	Sr (216.596 nm)	0.78	0.0616 (ppm)	651.6565
5/8/2019 18:31:19	R1903957-004 10X	Ti (336.122 nm)	0.20	0.1010 (ppm)	25664.7716
5/8/2019 18:31:19	R1903957-004 10X	Tl (351.923 nm)	93.38	0.0020 (ppm)	-1.5849
5/8/2019 18:31:19	R1903957-004 10X	V (292.401 nm)	0.61	0.0140 (ppm)	499.4853
5/8/2019 18:31:19	R1903957-004 10X	Y (360.074 nm)	0.38	0.97 (Ratio)	976541.61
5/8/2019 18:31:19	R1903957-004 10X	Y_R (360.074 nm)	0.38	0.97 (Ratio)	980702.94
5/8/2019 18:31:19	R1903957-004 10X	Zn (213.857 nm)	0.34	0.2325 (ppm)	8067.7873
5/8/2019 18:34:38	R1903957-007 10X	Ag (328.068 nm)	30.40	0.0001 (ppm)	-109.1785
5/8/2019 18:34:38	R1903957-007 10X	Al (394.401 nm)	0.28	6.1100 (ppm)	107666.1049
5/8/2019 18:34:38	R1903957-007 10X	As (188.980 nm)	4.03	0.0070 (ppm)	4.2664
5/8/2019 18:34:38	R1903957-007 10X	B (249.772 nm)	0.96	0.0092 (ppm)	430.9624
5/8/2019 18:34:38	R1903957-007 10X	Ba (230.424 nm)	0.69	0.0574 (ppm)	2859.0963
5/8/2019 18:34:38	R1903957-007 10X	Be (313.107 nm)	1.61	0.0003 (ppm)	89.5474
5/8/2019 18:34:38	R1903957-007 10X	Ca (227.547 nm)	0.47	11.7356 (ppm)	732.8083
5/8/2019 18:34:38	R1903957-007 10X	Cd (214.439 nm)	2.22	0.0003 (ppm)	15.5041
5/8/2019 18:34:38	R1903957-007 10X	Co (230.786 nm)	5.55	0.0045 (ppm)	50.6726
5/8/2019 18:34:38	R1903957-007 10X	Cr (267.716 nm)	1.02	0.0080 (ppm)	362.3461
5/8/2019 18:34:38	R1903957-007 10X	Cu (327.395 nm)	0.52	0.0171 (ppm)	1161.2901
5/8/2019 18:34:38	R1903957-007 10X	Fe (234.350 nm)	0.05	10.7839 (ppm)	122035.8282
5/8/2019 18:34:38	R1903957-007 10X	K (766.491 nm)	1.90	0.5431 (ppm)	1975.6483
5/8/2019 18:34:38	R1903957-007 10X	Mg (279.078 nm)	0.12	4.3645 (ppm)	10179.7312
5/8/2019 18:34:38	R1903957-007 10X	Mn (257.610 nm)	0.08	0.1550 (ppm)	50568.7977
5/8/2019 18:34:38	R1903957-007 10X	Mo (202.032 nm)	21.16	0.0005 (ppm)	5.4621
5/8/2019 18:34:38	R1903957-007 10X	Na (588.995 nm)	1.04	0.1345 (ppm)	-2330.3171
5/8/2019 18:34:38	R1903957-007 10X	Ni (230.299 nm)	9.32	0.0075 (ppm)	66.2260
5/8/2019 18:34:38	R1903957-007 10X	Pb (220.353 nm)	1.19	0.2939 (ppm)	820.1955
5/8/2019 18:34:38	R1903957-007 10X	Sb (217.582 nm)	> 100.00	0.0003 u (ppm)	-1.5168
5/8/2019 18:34:38	R1903957-007 10X	Se (196.026 nm)	> 100.00	0.0023 u (ppm)	2.8039
5/8/2019 18:34:38	R1903957-007 10X	Sn (189.925 nm)	15.20	0.0048 (ppm)	2.7272
5/8/2019 18:34:38	R1903957-007 10X	Sr (216.596 nm)	1.16	0.0234 (ppm)	246.3978
5/8/2019 18:34:38	R1903957-007 10X	Ti (336.122 nm)	0.22	0.0811 (ppm)	20586.7135
5/8/2019 18:34:38	R1903957-007 10X	Tl (351.923 nm)	> 100.00	0.0013 u (ppm)	-3.7943
5/8/2019 18:34:38	R1903957-007 10X	V (292.401 nm)	1.97	0.0126 (ppm)	452.6887
5/8/2019 18:34:38	R1903957-007 10X	Y (360.074 nm)	0.42	1.00 (Ratio)	1003815.29
5/8/2019 18:34:38	R1903957-007 10X	Y_R (360.074 nm)	0.42	1.00 (Ratio)	1007916.06
5/8/2019 18:34:38	R1903957-007 10X	Zn (213.857 nm)	0.14	0.0737 (ppm)	2553.3294
5/8/2019 18:37:56	R1903957-008 10X	Ag (328.068 nm)	> 100.00	0.0000 u (ppm)	-123.7047
5/8/2019 18:37:56	R1903957-008 10X	Al (394.401 nm)	0.51	4.0441 (ppm)	71333.8331
5/8/2019 18:37:56	R1903957-008 10X	As (188.980 nm)	> 100.00	0.0009 u (ppm)	0.2238
5/8/2019 18:37:56	R1903957-008 10X	B (249.772 nm)	0.93	0.0115 (ppm)	527.1805
5/8/2019 18:37:56	R1903957-008 10X	Ba (230.424 nm)	0.31	0.0222 (ppm)	1118.0804
5/8/2019 18:37:56	R1903957-008 10X	Be (313.107 nm)	2.18	0.0002 (ppm)	-19.2380
5/8/2019 18:37:56	R1903957-008 10X	Ca (227.547 nm)	0.39	140.1341 o (ppm)	8718.4527
5/8/2019 18:37:56	R1903957-008 10X	Cd (214.439 nm)	30.68	0.0007 (ppm)	23.3018

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/8/2019 18:37:56	R1903957-008 10X	Co (230.786 nm)	9.30	0.0038 (ppm)	41.6379
5/8/2019 18:37:56	R1903957-008 10X	Cr (267.716 nm)	0.20	0.0064 (ppm)	293.5350
5/8/2019 18:37:56	R1903957-008 10X	Cu (327.395 nm)	0.62	0.0119 (ppm)	813.2948
5/8/2019 18:37:56	R1903957-008 10X	Fe (234.350 nm)	0.17	9.0802 (ppm)	102759.5705
5/8/2019 18:37:56	R1903957-008 10X	K (766.491 nm)	0.86	1.1211 (ppm)	4134.8120
5/8/2019 18:37:56	R1903957-008 10X	Mg (279.078 nm)	0.08	46.5729 (ppm)	108506.6908
5/8/2019 18:37:56	R1903957-008 10X	Mn (257.610 nm)	0.19	0.6430 (ppm)	209633.2061
5/8/2019 18:37:56	R1903957-008 10X	Mo (202.032 nm)	> 100.00	0.0001 u (ppm)	2.7717
5/8/2019 18:37:56	R1903957-008 10X	Na (588.995 nm)	0.51	0.1241 (ppm)	-2863.8639
5/8/2019 18:37:56	R1903957-008 10X	Ni (230.299 nm)	1.44	0.0074 (ppm)	65.4742
5/8/2019 18:37:56	R1903957-008 10X	Pb (220.353 nm)	2.50	0.0127 (ppm)	37.2843
5/8/2019 18:37:56	R1903957-008 10X	Sb (217.582 nm)	> 100.00	-0.0003 u (ppm)	-2.2106
5/8/2019 18:37:56	R1903957-008 10X	Se (196.026 nm)	> 100.00	-0.0031 u (ppm)	0.1258
5/8/2019 18:37:56	R1903957-008 10X	Sn (189.925 nm)	> 100.00	0.0005 u (ppm)	-0.4782
5/8/2019 18:37:56	R1903957-008 10X	Sr (216.596 nm)	0.98	0.0897 (ppm)	950.6243
5/8/2019 18:37:56	R1903957-008 10X	Ti (336.122 nm)	1.90	0.0874 (ppm)	22201.6916
5/8/2019 18:37:56	R1903957-008 10X	Tl (351.923 nm)	44.87	0.0073 (ppm)	14.8374
5/8/2019 18:37:56	R1903957-008 10X	V (292.401 nm)	1.09	0.0089 (ppm)	333.4997
5/8/2019 18:37:56	R1903957-008 10X	Y (360.074 nm)	0.75	0.95 (Ratio)	954010.45
5/8/2019 18:37:56	R1903957-008 10X	Y_R (360.074 nm)	0.75	0.95 (Ratio)	958049.22
5/8/2019 18:37:56	R1903957-008 10X	Zn (213.857 nm)	0.27	0.0536 (ppm)	1853.2996
5/8/2019 18:41:15	Continuing Calibration Verification	Ag (328.068 nm)	0.25	0.4919 (ppm)	37357.1391
5/8/2019 18:41:15	Continuing Calibration Verification	Al (394.401 nm)	0.12	9.6299 (ppm)	169569.2028
5/8/2019 18:41:15	Continuing Calibration Verification	As (188.980 nm)	1.64	0.9718 (ppm)	647.0261
5/8/2019 18:41:15	Continuing Calibration Verification	B (249.772 nm)	0.21	2.4716 (ppm)	99807.9909
5/8/2019 18:41:15	Continuing Calibration Verification	Ba (230.424 nm)	0.60	10.3202 (ppm)	513718.7486
5/8/2019 18:41:15	Continuing Calibration Verification	Be (313.107 nm)	0.32	0.2565 (ppm)	354971.3624
5/8/2019 18:41:15	Continuing Calibration Verification	Ca (227.547 nm)	0.17	24.1177 (ppm)	1502.9027
5/8/2019 18:41:15	Continuing Calibration Verification	Cd (214.439 nm)	0.29	0.5068 (ppm)	10864.3573
5/8/2019 18:41:15	Continuing Calibration Verification	Co (230.786 nm)	0.37	2.6276 (ppm)	34740.5753
5/8/2019 18:41:15	Continuing Calibration Verification	Cr (267.716 nm)	0.52	0.5106 (ppm)	22112.0820
5/8/2019 18:41:15	Continuing Calibration Verification	Cu (327.395 nm)	0.06	1.1996 (ppm)	80867.6128
5/8/2019 18:41:15	Continuing Calibration Verification	Fe (234.350 nm)	0.35	4.9377 (ppm)	55892.5053
5/8/2019 18:41:15	Continuing Calibration Verification	K (766.491 nm)	0.41	24.3516 (ppm)	90908.1283
5/8/2019 18:41:15	Continuing Calibration Verification	Mg (279.078 nm)	0.24	25.1873 (ppm)	58687.7109
5/8/2019 18:41:15	Continuing Calibration Verification	Mn (257.610 nm)	0.50	0.7586 (ppm)	247307.3837
5/8/2019 18:41:15	Continuing Calibration Verification	Mo (202.032 nm)	0.60	2.5072 (ppm)	14639.6317
5/8/2019 18:41:15	Continuing Calibration Verification	Na (588.995 nm)	0.59	23.9363 (ppm)	1214420.1697
5/8/2019 18:41:15	Continuing Calibration Verification	Ni (230.299 nm)	0.43	2.0091 (ppm)	20846.1874
5/8/2019 18:41:15	Continuing Calibration Verification	Pb (220.353 nm)	0.59	0.5051 (ppm)	1408.3739
5/8/2019 18:41:15	Continuing Calibration Verification	Sb (217.582 nm)	0.13	4.7794 (ppm)	5686.8269
5/8/2019 18:41:15	Continuing Calibration Verification	Se (196.026 nm)	0.83	0.4782 (ppm)	239.8027
5/8/2019 18:41:15	Continuing Calibration Verification	Sn (189.925 nm)	0.36	5.0023 (ppm)	3717.4805
5/8/2019 18:41:15	Continuing Calibration Verification	Sr (216.596 nm)	0.49	2.5876 (ppm)	27465.3128
5/8/2019 18:41:15	Continuing Calibration Verification	Ti (336.122 nm)	0.51	2.5184 (ppm)	643146.9017
5/8/2019 18:41:15	Continuing Calibration Verification	Tl (351.923 nm)	0.39	0.9998 (ppm)	3054.5628
5/8/2019 18:41:15	Continuing Calibration Verification	V (292.401 nm)	0.35	2.5590 (ppm)	84218.1150
5/8/2019 18:41:15	Continuing Calibration Verification	Y (360.074 nm)	0.14	0.96 (Ratio)	965071.24
5/8/2019 18:41:15	Continuing Calibration Verification	Y_R (360.074 nm)	0.14	0.96 (Ratio)	969132.12
5/8/2019 18:41:15	Continuing Calibration Verification	Zn (213.857 nm)	0.38	0.9843 (ppm)	34179.0239
5/8/2019 18:44:33	Continuing Calibration Blank	Ag (328.068 nm)	> 100.00	-0.0001 u (ppm)	-124.7096

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/8/2019 18:44:33	Continuing Calibration Blank	Al (394.401 nm)	> 100.00	-0.0003 u (ppm)	207.2090
5/8/2019 18:44:33	Continuing Calibration Blank	As (188.980 nm)	> 100.00	0.0007 u (ppm)	0.0835
5/8/2019 18:44:33	Continuing Calibration Blank	B (249.772 nm)	44.30	0.0004 (ppm)	79.5644
5/8/2019 18:44:33	Continuing Calibration Blank	Ba (230.424 nm)	31.06	0.0012 (ppm)	70.0758
5/8/2019 18:44:33	Continuing Calibration Blank	Be (313.107 nm)	14.09	0.0000 (ppm)	-257.3553
5/8/2019 18:44:33	Continuing Calibration Blank	Ca (227.547 nm)	> 100.00	0.0147 u (ppm)	3.8336
5/8/2019 18:44:33	Continuing Calibration Blank	Cd (214.439 nm)	> 100.00	-0.0001 u (ppm)	6.5276
5/8/2019 18:44:33	Continuing Calibration Blank	Co (230.786 nm)	49.83	0.0007 (ppm)	0.3382
5/8/2019 18:44:33	Continuing Calibration Blank	Cr (267.716 nm)	> 100.00	0.0000 u (ppm)	16.1393
5/8/2019 18:44:33	Continuing Calibration Blank	Cu (327.395 nm)	75.15	0.0002 (ppm)	25.4847
5/8/2019 18:44:33	Continuing Calibration Blank	Fe (234.350 nm)	24.93	0.0027 (ppm)	58.6530
5/8/2019 18:44:33	Continuing Calibration Blank	K (766.491 nm)	34.21	0.0102 (ppm)	-14.6239
5/8/2019 18:44:33	Continuing Calibration Blank	Mg (279.078 nm)	47.71	0.0017 (ppm)	16.3075
5/8/2019 18:44:33	Continuing Calibration Blank	Mn (257.610 nm)	6.50	0.0002 (ppm)	94.8967
5/8/2019 18:44:33	Continuing Calibration Blank	Mo (202.032 nm)	19.52	0.0043 (ppm)	27.5180
5/8/2019 18:44:33	Continuing Calibration Blank	Na (588.995 nm)	83.57	0.0018 (ppm)	-9114.3022
5/8/2019 18:44:33	Continuing Calibration Blank	Ni (230.299 nm)	95.19	0.0002 (ppm)	-9.1455
5/8/2019 18:44:33	Continuing Calibration Blank	Pb (220.353 nm)	> 100.00	-0.0006 u (ppm)	0.4730
5/8/2019 18:44:33	Continuing Calibration Blank	Sb (217.582 nm)	70.24	0.0031 (ppm)	1.8658
5/8/2019 18:44:33	Continuing Calibration Blank	Se (196.026 nm)	25.09	0.0041 (ppm)	3.7027
5/8/2019 18:44:33	Continuing Calibration Blank	Sn (189.925 nm)	> 100.00	-0.0014 u (ppm)	-1.8378
5/8/2019 18:44:33	Continuing Calibration Blank	Sr (216.596 nm)	> 100.00	0.0002 u (ppm)	-0.1887
5/8/2019 18:44:33	Continuing Calibration Blank	Ti (336.122 nm)	23.48	0.0019 (ppm)	366.3168
5/8/2019 18:44:33	Continuing Calibration Blank	Tl (351.923 nm)	81.93	0.0034 (ppm)	2.6977
5/8/2019 18:44:33	Continuing Calibration Blank	V (292.401 nm)	14.78	0.0005 (ppm)	55.1689
5/8/2019 18:44:33	Continuing Calibration Blank	Y (360.074 nm)	0.29	1.01 (Ratio)	1014362.07
5/8/2019 18:44:33	Continuing Calibration Blank	Y_R (360.074 nm)	0.29	1.01 (Ratio)	1018287.03
5/8/2019 18:44:33	Continuing Calibration Blank	Zn (213.857 nm)	89.54	0.0001 u (ppm)	-5.2647
5/8/2019 18:47:51	Contract Required Detection Limit	Ag (328.068 nm)	0.56	0.0098 (ppm)	629.2519
5/8/2019 18:47:51	Contract Required Detection Limit	Al (394.401 nm)	0.25	0.1810 (ppm)	3394.1269
5/8/2019 18:47:51	Contract Required Detection Limit	As (188.980 nm)	4.74	0.0195 (ppm)	12.6394
5/8/2019 18:47:51	Contract Required Detection Limit	B (249.772 nm)	0.25	0.1852 (ppm)	7535.1188
5/8/2019 18:47:51	Contract Required Detection Limit	Ba (230.424 nm)	0.29	0.2138 (ppm)	10654.8152
5/8/2019 18:47:51	Contract Required Detection Limit	Be (313.107 nm)	0.37	0.0050 (ppm)	6560.8720
5/8/2019 18:47:51	Contract Required Detection Limit	Ca (227.547 nm)	2.87	0.8849 (ppm)	57.9590
5/8/2019 18:47:51	Contract Required Detection Limit	Cd (214.439 nm)	0.48	0.0101 (ppm)	225.1933
5/8/2019 18:47:51	Contract Required Detection Limit	Co (230.786 nm)	0.60	0.0531 (ppm)	692.9184
5/8/2019 18:47:51	Contract Required Detection Limit	Cr (267.716 nm)	0.28	0.0102 (ppm)	454.6054
5/8/2019 18:47:51	Contract Required Detection Limit	Cu (327.395 nm)	0.41	0.0245 (ppm)	1661.8927
5/8/2019 18:47:51	Contract Required Detection Limit	Fe (234.350 nm)	0.24	0.1073 (ppm)	1242.8444
5/8/2019 18:47:51	Contract Required Detection Limit	K (766.491 nm)	1.07	0.9000 (ppm)	3309.0286
5/8/2019 18:47:51	Contract Required Detection Limit	Mg (279.078 nm)	0.23	0.9939 (ppm)	2327.7114
5/8/2019 18:47:51	Contract Required Detection Limit	Mn (257.610 nm)	0.10	0.0159 (ppm)	5210.5224
5/8/2019 18:47:51	Contract Required Detection Limit	Mo (202.032 nm)	1.82	0.0263 (ppm)	155.8525
5/8/2019 18:47:51	Contract Required Detection Limit	Na (588.995 nm)	0.76	0.9620 (ppm)	39970.1888
5/8/2019 18:47:51	Contract Required Detection Limit	Ni (230.299 nm)	0.90	0.0418 (ppm)	422.9805
5/8/2019 18:47:51	Contract Required Detection Limit	Pb (220.353 nm)	7.38	0.0100 (ppm)	29.7997
5/8/2019 18:47:51	Contract Required Detection Limit	Sb (217.582 nm)	1.99	0.0616 (ppm)	71.4022
5/8/2019 18:47:51	Contract Required Detection Limit	Se (196.026 nm)	7.00	0.0117 (ppm)	7.5044
5/8/2019 18:47:51	Contract Required Detection Limit	Sn (189.925 nm)	0.58	0.4994 (ppm)	370.3964
5/8/2019 18:47:51	Contract Required Detection Limit	Sr (216.596 nm)	0.63	0.1054 (ppm)	1117.0618

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/8/2019 18:47:51	Contract Required Detection Limit	Ti (336.122 nm)	0.08	0.0514 (ppm)	12996.8403
5/8/2019 18:47:51	Contract Required Detection Limit	Tl (351.923 nm)	25.05	0.0190 (ppm)	50.4811
5/8/2019 18:47:51	Contract Required Detection Limit	V (292.401 nm)	0.42	0.0507 (ppm)	1708.0156
5/8/2019 18:47:51	Contract Required Detection Limit	Y (360.074 nm)	0.50	1.01 (Ratio)	1012244.34
5/8/2019 18:47:51	Contract Required Detection Limit	Y_R (360.074 nm)	0.50	1.01 (Ratio)	1016161.92
5/8/2019 18:47:51	Contract Required Detection Limit	Zn (213.857 nm)	0.75	0.0197 (ppm)	676.7014
5/8/2019 18:51:10	Interference Check Solution A	Ag (328.068 nm)	97.15	0.0002 u (ppm)	-107.5477
5/8/2019 18:51:10	Interference Check Solution A	Al (394.401 nm)	0.25	267.3091 o (ppm)	4701295.2271
5/8/2019 18:51:10	Interference Check Solution A	As (188.980 nm)	> 100.00	0.0000 u (ppm)	-0.3610
5/8/2019 18:51:10	Interference Check Solution A	B (249.772 nm)	0.19	0.0450 (ppm)	1879.5127
5/8/2019 18:51:10	Interference Check Solution A	Ba (230.424 nm)	9.57	0.0004 (ppm)	30.3185
5/8/2019 18:51:10	Interference Check Solution A	Be (313.107 nm)	24.83	0.0000 u (ppm)	-356.2467
5/8/2019 18:51:10	Interference Check Solution A	Ca (227.547 nm)	0.23	268.7343 o (ppm)	16716.6498
5/8/2019 18:51:10	Interference Check Solution A	Cd (214.439 nm)	40.68	-0.0004 u (ppm)	-0.8250
5/8/2019 18:51:10	Interference Check Solution A	Co (230.786 nm)	15.56	-0.0021 u (ppm)	-36.4155
5/8/2019 18:51:10	Interference Check Solution A	Cr (267.716 nm)	25.75	0.0004 (ppm)	30.5881
5/8/2019 18:51:10	Interference Check Solution A	Cu (327.395 nm)	> 100.00	-0.0001 u (ppm)	6.5089
5/8/2019 18:51:10	Interference Check Solution A	Fe (234.350 nm)	0.21	92.4003 o (ppm)	1045427.6940
5/8/2019 18:51:10	Interference Check Solution A	K (766.491 nm)	> 100.00	-0.0036 u (ppm)	-66.3297
5/8/2019 18:51:10	Interference Check Solution A	Mg (279.078 nm)	0.33	267.9192 o (ppm)	624145.3378
5/8/2019 18:51:10	Interference Check Solution A	Mn (257.610 nm)	1.30	0.0019 (ppm)	661.0479
5/8/2019 18:51:10	Interference Check Solution A	Mo (202.032 nm)	> 100.00	0.0010 u (ppm)	8.0700
5/8/2019 18:51:10	Interference Check Solution A	Na (588.995 nm)	10.01	-0.0134 u (ppm)	-9892.0769
5/8/2019 18:51:10	Interference Check Solution A	Ni (230.299 nm)	51.87	-0.0012 u (ppm)	-24.3180
5/8/2019 18:51:10	Interference Check Solution A	Pb (220.353 nm)	> 100.00	-0.0016 u (ppm)	-2.3364
5/8/2019 18:51:10	Interference Check Solution A	Sb (217.582 nm)	> 100.00	-0.0037 u (ppm)	-6.2708
5/8/2019 18:51:10	Interference Check Solution A	Se (196.026 nm)	27.09	-0.0073 u (ppm)	-1.9812
5/8/2019 18:51:10	Interference Check Solution A	Sn (189.925 nm)	> 100.00	0.0002 u (ppm)	-0.6474
5/8/2019 18:51:10	Interference Check Solution A	Sr (216.596 nm)	4.74	0.0190 (ppm)	199.7128
5/8/2019 18:51:10	Interference Check Solution A	Ti (336.122 nm)	2.11	0.0019 (ppm)	349.3713
5/8/2019 18:51:10	Interference Check Solution A	Tl (351.923 nm)	73.25	0.0054 (ppm)	8.7739
5/8/2019 18:51:10	Interference Check Solution A	V (292.401 nm)	8.73	0.0021 (ppm)	107.8911
5/8/2019 18:51:10	Interference Check Solution A	Y (360.074 nm)	0.49	0.88 (Ratio)	885145.57
5/8/2019 18:51:10	Interference Check Solution A	Y_R (360.074 nm)	0.49	0.88 (Ratio)	889031.44
5/8/2019 18:51:10	Interference Check Solution A	Zn (213.857 nm)	1.91	0.0107 K (ppm)	365.1720 K
5/8/2019 18:54:29	Interference Check Solution AB	Ag (328.068 nm)	0.04	0.2148 (ppm)	16246.1154
5/8/2019 18:54:29	Interference Check Solution AB	Al (394.401 nm)	0.34	268.5780 o (ppm)	4723611.1350
5/8/2019 18:54:29	Interference Check Solution AB	As (188.980 nm)	4.10	0.0978 (ppm)	64.7775
5/8/2019 18:54:29	Interference Check Solution AB	B (249.772 nm)	0.80	0.0445 (ppm)	1856.4719
5/8/2019 18:54:29	Interference Check Solution AB	Ba (230.424 nm)	0.46	0.5338 (ppm)	26583.7755
5/8/2019 18:54:29	Interference Check Solution AB	Be (313.107 nm)	0.18	0.5112 (ppm)	707887.4983
5/8/2019 18:54:29	Interference Check Solution AB	Ca (227.547 nm)	0.25	269.2081 o (ppm)	16746.1130
5/8/2019 18:54:29	Interference Check Solution AB	Cd (214.439 nm)	0.28	1.0060 (ppm)	21557.7755
5/8/2019 18:54:29	Interference Check Solution AB	Co (230.786 nm)	0.31	0.4967 (ppm)	6559.6318
5/8/2019 18:54:29	Interference Check Solution AB	Cr (267.716 nm)	0.28	0.5086 (ppm)	22024.5954
5/8/2019 18:54:29	Interference Check Solution AB	Cu (327.395 nm)	0.36	0.5217 (ppm)	35174.8374
5/8/2019 18:54:29	Interference Check Solution AB	Fe (234.350 nm)	0.05	92.7028 o (ppm)	1048850.7436
5/8/2019 18:54:29	Interference Check Solution AB	K (766.491 nm)	7.82	-0.0173 u (ppm)	-117.6295
5/8/2019 18:54:29	Interference Check Solution AB	Mg (279.078 nm)	0.32	267.9737 o (ppm)	624272.4257
5/8/2019 18:54:29	Interference Check Solution AB	Mn (257.610 nm)	0.23	0.5067 (ppm)	165195.7727
5/8/2019 18:54:29	Interference Check Solution AB	Mo (202.032 nm)	18.22	0.0010 (ppm)	8.2102

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/8/2019 18:54:29	Interference Check Solution AB	Na (588.995 nm)	4.41	-0.0155 u (ppm)	-9998.4160
5/8/2019 18:54:29	Interference Check Solution AB	Ni (230.299 nm)	0.67	0.9689 (ppm)	10046.9143
5/8/2019 18:54:29	Interference Check Solution AB	Pb (220.353 nm)	5.10	0.0464 (ppm)	131.3087
5/8/2019 18:54:29	Interference Check Solution AB	Sb (217.582 nm)	0.31	0.6184 (ppm)	734.1987
5/8/2019 18:54:29	Interference Check Solution AB	Se (196.026 nm)	15.30	0.0529 (ppm)	28.0010
5/8/2019 18:54:29	Interference Check Solution AB	Sn (189.925 nm)	> 100.00	0.0012 u (ppm)	0.1049
5/8/2019 18:54:29	Interference Check Solution AB	Sr (216.596 nm)	2.12	0.0194 (ppm)	204.0948
5/8/2019 18:54:29	Interference Check Solution AB	Ti (336.122 nm)	0.42	0.0018 (ppm)	337.6047
5/8/2019 18:54:29	Interference Check Solution AB	Tl (351.923 nm)	4.25	0.1144 (ppm)	342.8621
5/8/2019 18:54:29	Interference Check Solution AB	V (292.401 nm)	0.24	0.5162 (ppm)	17018.9732
5/8/2019 18:54:29	Interference Check Solution AB	Y (360.074 nm)	0.46	0.88 (Ratio)	885443.90
5/8/2019 18:54:29	Interference Check Solution AB	Y_R (360.074 nm)	0.46	0.88 (Ratio)	889445.79
5/8/2019 18:54:29	Interference Check Solution AB	Zn (213.857 nm)	0.11	1.0379 (ppm)	36042.5255
5/8/2019 18:57:48	Continuing Calibration Verification	Ag (328.068 nm)	0.09	0.4926 (ppm)	37411.4115
5/8/2019 18:57:48	Continuing Calibration Verification	Al (394.401 nm)	0.31	9.6598 (ppm)	170095.7581
5/8/2019 18:57:48	Continuing Calibration Verification	As (188.980 nm)	0.57	0.9650 (ppm)	642.5114
5/8/2019 18:57:48	Continuing Calibration Verification	B (249.772 nm)	0.10	2.4750 (ppm)	99945.6978
5/8/2019 18:57:48	Continuing Calibration Verification	Ba (230.424 nm)	0.39	10.3723 (ppm)	516310.3356
5/8/2019 18:57:48	Continuing Calibration Verification	Be (313.107 nm)	0.35	0.2564 (ppm)	354875.8123
5/8/2019 18:57:48	Continuing Calibration Verification	Ca (227.547 nm)	0.25	24.1658 (ppm)	1505.8962
5/8/2019 18:57:48	Continuing Calibration Verification	Cd (214.439 nm)	0.22	0.5090 (ppm)	10910.3702
5/8/2019 18:57:48	Continuing Calibration Verification	Co (230.786 nm)	0.22	2.6312 (ppm)	34787.3162
5/8/2019 18:57:48	Continuing Calibration Verification	Cr (267.716 nm)	0.13	0.5106 (ppm)	22109.5936
5/8/2019 18:57:48	Continuing Calibration Verification	Cu (327.395 nm)	0.15	1.2057 (ppm)	81276.2944
5/8/2019 18:57:48	Continuing Calibration Verification	Fe (234.350 nm)	0.10	4.9715 (ppm)	56274.5504
5/8/2019 18:57:48	Continuing Calibration Verification	K (766.491 nm)	0.64	24.3733 (ppm)	90988.9412
5/8/2019 18:57:48	Continuing Calibration Verification	Mg (279.078 nm)	0.05	25.2877 (ppm)	58921.6608
5/8/2019 18:57:48	Continuing Calibration Verification	Mn (257.610 nm)	0.18	0.7593 (ppm)	247547.6111
5/8/2019 18:57:48	Continuing Calibration Verification	Mo (202.032 nm)	0.42	2.5100 (ppm)	14655.7120
5/8/2019 18:57:48	Continuing Calibration Verification	Na (588.995 nm)	0.66	23.9247 (ppm)	1213825.1328
5/8/2019 18:57:48	Continuing Calibration Verification	Ni (230.299 nm)	0.27	2.0142 (ppm)	20898.8326
5/8/2019 18:57:48	Continuing Calibration Verification	Pb (220.353 nm)	0.18	0.5066 (ppm)	1412.5913
5/8/2019 18:57:48	Continuing Calibration Verification	Sb (217.582 nm)	0.14	4.7971 (ppm)	5707.9810
5/8/2019 18:57:48	Continuing Calibration Verification	Se (196.026 nm)	2.01	0.4850 (ppm)	243.2260
5/8/2019 18:57:48	Continuing Calibration Verification	Sn (189.925 nm)	0.40	5.0128 (ppm)	3725.2700
5/8/2019 18:57:48	Continuing Calibration Verification	Sr (216.596 nm)	0.24	2.5978 (ppm)	27574.2919
5/8/2019 18:57:48	Continuing Calibration Verification	Ti (336.122 nm)	0.14	2.5166 (ppm)	642686.0037
5/8/2019 18:57:48	Continuing Calibration Verification	Tl (351.923 nm)	0.43	1.0005 (ppm)	3056.6952
5/8/2019 18:57:48	Continuing Calibration Verification	V (292.401 nm)	0.17	2.5634 (ppm)	84361.9021
5/8/2019 18:57:48	Continuing Calibration Verification	Y (360.074 nm)	0.42	0.96 (Ratio)	962639.91
5/8/2019 18:57:48	Continuing Calibration Verification	Y_R (360.074 nm)	0.42	0.96 (Ratio)	966777.93
5/8/2019 18:57:48	Continuing Calibration Verification	Zn (213.857 nm)	0.08	0.9865 (ppm)	34255.0296
5/8/2019 19:01:06	Continuing Calibration Blank	Ag (328.068 nm)	> 100.00	0.0001 u (ppm)	-116.5067
5/8/2019 19:01:06	Continuing Calibration Blank	Al (394.401 nm)	12.29	0.0040 (ppm)	282.6484
5/8/2019 19:01:06	Continuing Calibration Blank	As (188.980 nm)	> 100.00	-0.0017 u (ppm)	-1.4949
5/8/2019 19:01:06	Continuing Calibration Blank	B (249.772 nm)	62.18	0.0004 (ppm)	78.7823
5/8/2019 19:01:06	Continuing Calibration Blank	Ba (230.424 nm)	24.40	0.0014 (ppm)	79.8138
5/8/2019 19:01:06	Continuing Calibration Blank	Be (313.107 nm)	27.91	0.0000 (ppm)	-250.0360
5/8/2019 19:01:06	Continuing Calibration Blank	Ca (227.547 nm)	> 100.00	-0.0012 u (ppm)	2.8503
5/8/2019 19:01:06	Continuing Calibration Blank	Cd (214.439 nm)	> 100.00	0.0000 u (ppm)	7.2419
5/8/2019 19:01:06	Continuing Calibration Blank	Co (230.786 nm)	13.31	0.0006 (ppm)	-1.5703

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/8/2019 19:01:06	Continuing Calibration Blank	Cr (267.716 nm)	61.51	0.0001 (ppm)	21.0870
5/8/2019 19:01:06	Continuing Calibration Blank	Cu (327.395 nm)	84.88	0.0001 (ppm)	21.7704
5/8/2019 19:01:06	Continuing Calibration Blank	Fe (234.350 nm)	13.05	0.0049 (ppm)	84.3053
5/8/2019 19:01:06	Continuing Calibration Blank	K (766.491 nm)	48.35	0.0196 (ppm)	20.3126
5/8/2019 19:01:06	Continuing Calibration Blank	Mg (279.078 nm)	36.60	0.0054 (ppm)	25.0267
5/8/2019 19:01:06	Continuing Calibration Blank	Mn (257.610 nm)	16.78	0.0002 (ppm)	100.7701
5/8/2019 19:01:06	Continuing Calibration Blank	Mo (202.032 nm)	9.27	0.0044 (ppm)	28.3624
5/8/2019 19:01:06	Continuing Calibration Blank	Na (588.995 nm)	> 100.00	0.0007 u (ppm)	-9171.0029
5/8/2019 19:01:06	Continuing Calibration Blank	Ni (230.299 nm)	> 100.00	-0.0002 u (ppm)	-13.1886
5/8/2019 19:01:06	Continuing Calibration Blank	Pb (220.353 nm)	> 100.00	-0.0001 u (ppm)	1.6558
5/8/2019 19:01:06	Continuing Calibration Blank	Sb (217.582 nm)	49.36	0.0031 (ppm)	1.8323
5/8/2019 19:01:06	Continuing Calibration Blank	Se (196.026 nm)	75.74	0.0022 (ppm)	2.7692
5/8/2019 19:01:06	Continuing Calibration Blank	Sn (189.925 nm)	> 100.00	0.0002 u (ppm)	-0.6819
5/8/2019 19:01:06	Continuing Calibration Blank	Sr (216.596 nm)	7.72	0.0003 (ppm)	1.4036
5/8/2019 19:01:06	Continuing Calibration Blank	Ti (336.122 nm)	21.97	0.0018 (ppm)	341.2587
5/8/2019 19:01:06	Continuing Calibration Blank	Tl (351.923 nm)	> 100.00	0.0034 (ppm)	2.9019
5/8/2019 19:01:06	Continuing Calibration Blank	V (292.401 nm)	25.61	0.0006 (ppm)	59.4182
5/8/2019 19:01:06	Continuing Calibration Blank	Y (360.074 nm)	0.48	1.01 (Ratio)	1011886.90
5/8/2019 19:01:06	Continuing Calibration Blank	Y_R (360.074 nm)	0.48	1.01 (Ratio)	1016241.24
5/8/2019 19:01:06	Continuing Calibration Blank	Zn (213.857 nm)	36.00	0.0001 (ppm)	-2.4309

Ag (328.068 nm)
Intensity = 76186.56658886 * Concentration - 120.58128546
Correlation coefficient: 0.99999

As (188.980 nm)
Intensity = 666.21578911 * Concentration - 0.37370949
Correlation coefficient: 0.99999

B (249.772 nm)
Intensity = 40356.55449263 * Concentration + 61.61278208
Correlation coefficient: 0.99999

Ba (230.424 nm)
Intensity = 49776.68218447 * Concentration + 10.97548425
Correlation coefficient: 0.99997

Be (313.107 nm)
Intensity = 1385322.19535664 * Concentration - 307.89992780
Correlation coefficient: 1.00000

Cd (214.439 nm)
Intensity = 21420.26972699 * Concentration + 8.08218091
Correlation coefficient: 0.99999

Co (230.786 nm)
Intensity = 13224.75670146 * Concentration - 9.17073115
Correlation coefficient: 0.99999

Cr (267.716 nm)
Intensity = 43273.89201516 * Concentration + 15.20124889
Correlation coefficient: 1.00000

Cu (327.395 nm)
Intensity = 67402.37186761 * Concentration + 11.98406499
Correlation coefficient: 0.99998

K (766.491 nm)
Intensity = 3735.31788901 * Concentration - 52.90750603
Correlation coefficient: 0.99995

Mn (257.610 nm)
Intensity = 325973.77384957 * Concentration + 32.88604888
Correlation coefficient: 1.00000

Mo (202.032 nm)
Intensity = 5837.99072164 * Concentration + 2.40168614
Correlation coefficient: 1.00000

Na (588.995 nm)
Intensity = 51120.18132728 * Concentration - 9207.85783501
Correlation coefficient: 1.00000

Ni (230.299 nm)
Intensity = 10381.35913786 * Concentration - 11.44648439
Correlation coefficient: 0.99999

Pb (220.353 nm)
Intensity = 2784.36483409 * Concentration + 2.00779347
Correlation coefficient: 0.99999

Sb (217.582 nm)
Intensity = 1190.26322566 * Concentration - 1.87206128
Correlation coefficient: 1.00000

Se (196.026 nm)
Intensity = 498.02326708 * Concentration + 1.67192452
Correlation coefficient: 0.99996

Sn (189.925 nm)
Intensity = 743.31622757 * Concentration - 0.81495181
Correlation coefficient: 1.00000

Ti (336.122 nm)
Intensity = 255426.30014560 * Concentration - 130.31781451
Correlation coefficient: 1.00000

Tl (351.923 nm)
Intensity = 3062.94129258 * Concentration - 7.63933867
Correlation coefficient: 0.99998

V (292.401 nm)
Intensity = 32894.53790107 * Concentration + 39.44576584
Correlation coefficient: 1.00000

Zn (213.857 nm)
Intensity = 34732.73112491 * Concentration - 7.44590562
Correlation coefficient: 1.00000

Al (394.401 nm)
Intensity = 17586.69676611 * Concentration + 211.69225967
Correlation coefficient: 0.99991

Ca (227.547 nm)
Intensity = 62.19423651 * Concentration + 2.92227457
Correlation coefficient: 0.99996

Fe (234.350 nm)
Intensity = 11313.81447926 * Concentration + 28.37773613
Correlation coefficient: 0.99999

Mg (279.078 nm)
Intensity = 2329.55687012 * Concentration + 12.41828881
Correlation coefficient: 0.99980

Sr (216.596 nm)
Intensity = 10615.04731833 * Concentration - 1.90929627
Correlation coefficient: 0.99999

Preparation Information Benchsheet

Prep Run#: 336096
Team: Metals/KMCLAEN

Prep WorkFlow: MetDigSICP
Prep Method: EPA 3050B

Status: Prepped
Prep Date/Time: 5/7/19 10:56

#	Lab Code	Client ID	B#	Amt. Ext.	Method /Test	pH	AE	BN	Final Vol	Sample Desc. (Initial/Final)	SpikeAmt./Inv. ID	Comments
1	RQ1904224-01	MB		0.5g	6010C/Ag T DOD, Al T DOD, As T DOD, B T DOD, Ba T DOD, Be T DOD, Ca T DOD, Cd T DOD, Co T DOD, Cr T DOD, Cu T DOD, Fe T DOD, K T DOD, Mg T DOD, Mn T DOD, Mo T DOD, Na T DOD, Ni T DOD, Pb T DOD, Sb T DOD, Se T DOD, Sn T DOD, Sr T DOD, Ti T DOD, Tl T DOD, V T DOD, Zn T DOD				50.00mL	White-Coarse/Colorless-Clear		HB: 1 Well: G2 Temp: 90.0C/92.0C Corr. Factor: 0.0C Corr. Temp: 90.0C/92.0C
2	RQ1904224-02	LCS		0.5g	6010C/Ag T DOD, Al T DOD, As T DOD, B T DOD, Ba T DOD, Be T DOD, Ca T DOD, Cd T DOD, Co T DOD, Cr T DOD, Cu T DOD, Fe T DOD, K T DOD, Mg T DOD, Mn T DOD, Mo T DOD, Na T DOD, Ni T DOD, Pb T DOD, Sb T DOD, Se T DOD, Sn T DOD, Sr T DOD, Ti T DOD, Tl T DOD, V T DOD, Zn T DOD				50.00mL	White-Coarse/Colorless-Clear		On HB: 12:23 Off HB: 14:57 Pipets/Repipettors used: M23,M27,M31,M103,M106,M203,M104
3	RQ1904224-03	LODV		0.5g	6010C/Ag T DOD, Al T DOD, As T DOD, B T DOD, Ba T DOD, Be T DOD, Ca T DOD, Cd T DOD, Co T DOD, Cr T DOD, Cu T DOD, Fe T DOD, K T DOD, Mg T DOD, Mn T DOD, Mo T DOD, Na T DOD, Ni T DOD, Pb T DOD, Sb T DOD, Se T DOD, Sn T DOD, Sr T DOD, Ti T DOD, Tl T DOD, V T DOD, Zn T DOD				50.00mL	Colorless-Liquid/Colorless-Clear		
4	R1903853-002	ICP#6 Soil LODv	.01	0.5g	6010C/Ag T DOD, Al T DOD, As T DOD, B T DOD, Ba T DOD, Be T DOD, Ca T DOD, Cd T DOD, Co T DOD, Cr T DOD, Cu T DOD, Fe T DOD, K T DOD, Mg T DOD, Mn T DOD, Mo T DOD, Na T DOD, Ni T DOD, Pb T DOD, Sb T DOD, Se T DOD, Sn T DOD, Sr T DOD, Ti T DOD, Tl T DOD, V T DOD, Zn T DOD				50.00mL	Colorless-Liquid/Colorless-Clear		

Preparation Information Benchsheet

Prep Run#: 336096
Team: Metals/KMCLAEN

Prep WorkFlow: MetDigSICP
Prep Method: EPA 3050B

Status: Prepped
Prep Date/Time: 5/7/19 10:56

Preparation Materials

1:1 HCl Metals Grade	M7600009G (197995)	1:1 Nitric Acid Metals Grade	M7600009S (197993)	Hot Block Cups	50 mL Lot 1812117 (197999)
Hydrogen Peroxide 30% Reagent Grade H2O2	M7600008R (195511)	Nitric Acid Metals Grade HNO3	M7600009S (197992)	Plunger Filter	151011A1-9105-CC (199107)
Thermometer	294 (12954)				

Preparation Steps

Step: Digestion
Started: 5/7/19 10:56
Finished: 5/7/19 17:37
By: KMCLAEN
Comments

Comments: _____

Reviewed By: _____ Date: 5/8/19 ~~5/7/19~~ 5/8/19 Spike Witness: LHERRING Date: _____

Chain of Custody

Relinquished By: Kenny McLaen Date: 5/7/19

Received By: RACH Date: 5/7/19

Extracts Examined
Yes No

Preparation Information Benchsheet

Prep Run#: 336053
Team: Metals/KMCLAEN

Prep WorkFlow: MetDigAqICP
Prep Method: EPA 3005A/3010A

Status: Prepped
Prep Date/Time: 5/6/19 15:27

#	Lab Code	Client ID	B#	Amt. Ext.	Method /Test	pH	AE	BN	Final Vol	Sample Desc. (Initial/Final)	SpikeAmt./Inv. ID	Comments
1	RQ1904182-01	MB		50mL	6010C/Ag T, Al T, As T, B T, Ba T, Be T, Ca T, Cd T, Co T, Cr T, Cu T, Fe T, K T, Mg T, Mn T, Mo T, Na T, Ni T, Pb T, Sb T, Se T, Sn T, Sr T, Ti T, Tl T, V T, Zn T	<2			50.00mL	Colorless-Clear		HB: 1 Well: F1 Temp: 92.0C Corr. Factor: 0.0C Corr. Temp: 92.0C Plunge Filtered
2	RQ1904182-02	LCS		50mL	6010C/Ag T, Al T, As T, B T, Ba T, Be T, Ca T, Cd T, Co T, Cr T, Cu T, Fe T, K T, Mg T, Mn T, Mo T, Na T, Ni T, Pb T, Sb T, Se T, Sn T, Sr T, Ti T, Tl T, V T, Zn T	<2			50.00mL	Colorless-Clear	0.5000 mL/193084; 0.2500 mL/193076; 0.1000 mL/193077; 0.0500 mL/193078; 0.5000 mL/193085	On HB: 16:44 HB turn off: 2:44 Pipets/Repipettors used: M23,M27,M31,M106,M104 Plunge Filtered
3	RQ1904182-03	MDLV		50mL	6010C/Ag T, Al T, As T, B T, Ba T, Be T, Ca T, Cd T, Co T, Cr T, Cu T, Fe T, K T, Mg T, Mn T, Mo T, Na T, Ni T, Pb T, Sb T, Se T, Sn T, Sr T, Ti T, Tl T, V T, Zn T	<2			50.00mL	Colorless-Clear		
4	R1902784-013	6010C MDLV #2	.01	50mL	6010C/Ag T, Al T, As T, B T, Ba T, Be T, Ca T, Cd T, Co T, Cr T, Cu T, Fe T, K T, Mg T, Mn T, Mo T, Na T, Ni T, Pb T, Sb T, Se T, Sn T, Sr T, Ti T, Tl T, V T, Zn T	<2			50.00mL	Colorless-Clear		
5	R1903917-001	DGC-5A	.01	50mL	6010C/Ag T, Al T, As T, B T, Ba T, Be T, Ca T, Cd T, Co T, Cr T, Cu T, Fe T, K T, Mg T, Mn T, Na T, Ni T, Pb T, Sb T, Se T, Tl T, V T, Zn T	<2			50.00mL	Colorless-Cloudy/Colorless-Clear		Plunge Filtered
6	R1903917-002	DGC-7	.01	50mL	6010C/Ag T, Al T, As T, B T, Ba T, Be T, Ca T, Cd T, Co T, Cr T, Cu T, Fe T, K T, Mg T, Mn T, Na T, Ni T, Pb T, Sb T, Se T, Tl T, V T, Zn T	<2			50.00mL	Colorless-Cloudy/Colorless-Clear		Plunge Filtered
7	R1903917-003	DGC-3SRR	.01	50mL	6010C/Ag T, Al T, As T, B T, Ba T, Be T, Ca T, Cd T, Co T, Cr T, Cu T, Fe T, K T, Mg T, Mn T, Na T, Ni T, Pb T, Sb T, Se T, Tl T, V T, Zn T	<2			50.00mL	Colorless-Clear		
8	R1903917-004	MW-302R	.01	50mL	6010C/Ag T, Al T, As T, B T, Ba T, Be T, Ca T, Cd T, Co T, Cr T, Cu T, Fe T, K T, Mg T, Mn T, Na T, Ni T, Pb T, Sb T, Se T, Tl T, V T, Zn T	<2			50.00mL	Colorless-Cloudy/Colorless-Clear		Plunge Filtered
9	RQ1904182-04	R1903917-004 MS	.01	50mL	6010C/Ag T, Al T, As T, B T, Ba T, Be T, Ca T, Cd T, Co T, Cr T, Cu T, Fe T, K T, Mg T, Mn T, Na T, Ni T, Pb T, Sb T, Se T, Tl T, V T, Zn T	<2			50.00mL	Colorless-Cloudy/Colorless-Clear	0.0500 mL/193078; 0.5000 mL/193084; 0.2500 mL/193076; 0.1000 mL/193077; 0.5000 mL/193085	Plunge Filtered

Preparation Information Benchsheet

Prep Run#: 336053 **Prep WorkFlow:** MetDigAqICP **Status:** Prepped
Team: Metals/KMCLAEN **Prep Method:** EPA 3005A/3010A **Prep Date/Time:** 5/6/19 15:27

10	RQ1904182-05	R1903917-004 DMS	.01	50mL	6010C/Ag T, Al T, As T, B T, Ba T, Be T, Ca T, Cd T, Co T, Cr T, Cu T, Fe T, K T, Mg T, Mn T, Na T, Ni T, Pb T, Sb T, Se T, Tl T, V T, Zn T	<2			50.00mL	Colorless-Cloudy/Colorless-Clear	0.0500 mL/193078; 0.5000 mL/193084; 0.1000 mL/193077; 0.2500 mL/193076; 0.5000 mL/193085	Plunge Filtered
11	R1903917-005	DGC-8S	.01	50mL	6010C/Ag T, Al T, As T, B T, Ba T, Be T, Ca T, Cd T, Co T, Cr T, Cu T, Fe T, K T, Mg T, Mn T, Na T, Ni T, Pb T, Sb T, Se T, Tl T, V T, Zn T	<2			50.00mL	Colorless-Cloudy/Colorless-Clear		Plunge Filtered
12	R1903917-006	NCP	.01	50mL	6010C/Ag T, Al T, As T, B T, Ba T, Be T, Ca T, Cd T, Co T, Cr T, Cu T, Fe T, K T, Mg T, Mn T, Na T, Ni T, Pb T, Sb T, Se T, Tl T, V T, Zn T	<2			50.00mL	Colorless-Clear		
13	R1903917-007	P-104	.01	50mL	6010C/Ag T, Al T, As T, B T, Ba T, Be T, Ca T, Cd T, Co T, Cr T, Cu T, Fe T, K T, Mg T, Mn T, Na T, Ni T, Pb T, Sb T, Se T, Tl T, V T, Zn T	<2			50.00mL	Colorless-Cloudy/Colorless-Clear		Plunge Filtered
14	R1903917-008	MW-306	.01	50mL	6010C/Ag T, Al T, As T, B T, Ba T, Be T, Ca T, Cd T, Co T, Cr T, Cu T, Fe T, K T, Mg T, Mn T, Na T, Ni T, Pb T, Sb T, Se T, Tl T, V T, Zn T	<2			50.00mL	Colorless-Cloudy/Colorless-Clear		Plunge Filtered
15	R1903917-009	MW-305R	.01	50mL	6010C/Ag T, Al T, As T, B T, Ba T, Be T, Ca T, Cd T, Co T, Cr T, Cu T, Fe T, K T, Mg T, Mn T, Na T, Ni T, Pb T, Sb T, Se T, Tl T, V T, Zn T	<2			50.00mL	Yellow-Clear/Yellow-Clear		
16	R1903917-010	MW-304	.01	50mL	6010C/Ag T, Al T, As T, B T, Ba T, Be T, Ca T, Cd T, Co T, Cr T, Cu T, Fe T, K T, Mg T, Mn T, Na T, Ni T, Pb T, Sb T, Se T, Tl T, V T, Zn T	<2			50.00mL	Colorless-Clear		
17	R1903917-011	DUPE-X	.01	50mL	6010C/Ag T, Al T, As T, B T, Ba T, Be T, Ca T, Cd T, Co T, Cr T, Cu T, Fe T, K T, Mg T, Mn T, Na T, Ni T, Pb T, Sb T, Se T, Tl T, V T, Zn T	<2			50.00mL	Colorless-Cloudy/Colorless-Clear		Plunge Filtered
18	R1903917-013	MW-308R	.01	50mL	6010C/Ag T, Al T, As T, B T, Ba T, Be T, Ca T, Cd T, Co T, Cr T, Cu T, Fe T, K T, Mg T, Mn T, Na T, Ni T, Pb T, Sb T, Se T, Tl T, V T, Zn T	<2			50.00mL	Colorless-Clear		
19	R1903917-014	MW-316	.01	50mL	6010C/Ag T, Al T, As T, B T, Ba T, Be T, Ca T, Cd T, Co T, Cr T, Cu T, Fe T, K T, Mg T, Mn T, Na T, Ni T, Pb T, Sb T, Se T, Tl T, V T, Zn T	<2			50.00mL	Colorless-Cloudy/Colorless-Clear		Plunge Filtered

Preparation Information Benchsheet

Prep Run#: 336053 **Prep WorkFlow:** MetDigAqICP **Status:** Prepped
Team: Metals/KMCLAEN **Prep Method:** EPA 3005A/3010A **Prep Date/Time:** 5/6/19 15:27

20	R1903917-015	MW-315	.01	50mL	6010C/Ag T, Al T, As T, B T, Ba T, Be T, Ca T, Cd T, Co T, Cr T, Cu T, Fe T, K T, Mg T, Mn T, Na T, Ni T, Pb T, Sb T, Se T, Tl T, V T, Zn T	<2			50.00mL	Colorless-Cloudy/Colorless-Clear		Plunge Filtered
21	R1903917-016	MW-309R	.01	50mL	6010C/Ag T, Al T, As T, B T, Ba T, Be T, Ca T, Cd T, Co T, Cr T, Cu T, Fe T, K T, Mg T, Mn T, Na T, Ni T, Pb T, Sb T, Se T, Tl T, V T, Zn T	<2			50.00mL	Colorless-Clear		
22	R1903917-017	NC #1	.01	50mL	6010C/Ag T, Al T, As T, B T, Ba T, Be T, Ca T, Cd T, Co T, Cr T, Cu T, Fe T, K T, Mg T, Mn T, Na T, Ni T, Pb T, Sb T, Se T, Tl T, V T, Zn T	<2			50.00mL	Colorless-Clear		
23	R1903917-018	NC #2	.01	50mL	6010C/Ag T, Al T, As T, B T, Ba T, Be T, Ca T, Cd T, Co T, Cr T, Cu T, Fe T, K T, Mg T, Mn T, Na T, Ni T, Pb T, Sb T, Se T, Tl T, V T, Zn T	<2			50.00mL	Colorless-Clear		

Spiking Solutions

Name:	Tin 1000 ug/mL Sn	Inventory ID	193076	Logbook Ref:	M7600007D	Expires On:	02/28/2020	Lot #:	1803846
Name:	Strontium 1000 ug/mL Sr	Inventory ID	193077	Logbook Ref:	M7600007E	Expires On:	02/28/2020	Lot #:	1801815
Name:	Selenium 1000 ug/mL Se	Inventory ID	193078	Logbook Ref:	M7600007F	Expires On:	02/28/2020	Lot #:	1809415
Name:	Custom LCS STD A Metals	Inventory ID	193084	Logbook Ref:	M7600007L	Expires On:	02/14/2020	Lot #:	10070256-
Name:	Custom LCS STD B Metals	Inventory ID	193085	Logbook Ref:	M7600007M	Expires On:	02/14/2020	Lot #:	10070256-

Preparation Materials

1:1 HCl Metals Grade	M7600009G (197995)	Hot Block Cups	50 mL Lot 1812117 (197999)	Nitric Acid Metals Grade HNO3	M7600009S (197992)
Plunger Filter	151011A1-9105-CC (199107)	Thermometer	294 (12954)		

Preparation Steps

Step: Digestion
Started: 5/6/19 15:27
Finished: 5/7/19 14:48
By: KMCLAEN
Comments

Comments: _____

Reviewed By: _____ Date: 5/7/19 Spike Witness: LHERRING Date: _____

Preparation Information Benchsheet

Prep Run#: 336053
Team: Metals/KMCLAEN

Prep WorkFlow: MetDigAqICP
Prep Method: EPA 3005A/3010A

Status: Prepped
Prep Date/Time: 5/6/19 15:27

2784 5/16

3917 ~~5/15~~ 5/14

Chain of Custody

Relinquished By: Kelly Mayeux Date: 5/7/19

Received By: RAD Date: 5/7/19

Extracts Examined
Yes No

Preparation Information Benchsheet

Prep Run#: 336057 **Prep WorkFlow:** MetDigAqICP **Status:** Prepped
Team: Metals/KMCLAEN **Prep Method:** EPA 3005A/3010A **Prep Date/Time:** 5/6/19 15:30

#	Lab Code	Client ID	B#	Amt. Ext.	Method /Test	pH	AE	BN	Final Vol	Sample Desc. (Initial/Final)	SpikeAmt./Inv. ID	Comments
1	RQ1904185-01	MB		50mL	6010C/Ag T, Al T, As T, B T, Ba T, Be T, Ca T, Cd T, Co T, Cr T, Cu T, Fe T, K T, Mg T, Mn T, Na T, Ni T, Pb T, Sb T, Se T, Sn T, Tl T, V T, Zn T	<2			50.00mL	Colorless-Clear		HB: 7 Well: F1 Temp: 91.0C Corr. Factor: 0.0C Corr. Temp: 91.0C
2	RQ1904185-02	LCS		50mL	6010C/Ag T, Al T, As T, B T, Ba T, Be T, Ca T, Cd T, Co T, Cr T, Cu T, Fe T, K T, Mg T, Mn T, Na T, Ni T, Pb T, Sb T, Se T, Sn T, Tl T, V T, Zn T	<2			50.00mL	Colorless-Clear	0.5000 mL/193085; 0.2500 mL/193076; 0.5000 mL/193084; 0.0500 mL/193078; 0.1000 mL/193077	On HB: 16:56 HB turn off: 2:56 Pipets/Repipettors used: M23, M27, M31, M106, M104
3	RQ1904185-03	DLCS		50mL	6010C/Ag T, Al T, As T, B T, Ba T, Be T, Ca T, Cd T, Co T, Cr T, Cu T, Fe T, K T, Mg T, Mn T, Na T, Ni T, Pb T, Sb T, Se T, Sn T, Tl T, V T, Zn T	<2			50.00mL	Colorless-Clear	0.5000 mL/193084; 0.5000 mL/193085; 0.0500 mL/193078; 0.2500 mL/193076; 0.1000 mL/193077	
4	R1903918-001	LCS-0519	.03	50mL	6010C/Ag T, Al T, As T, B T, Ba T, Be T, Ca T, Cd T, Co T, Cr T, Cu T, Fe T, K T, Mg T, Mn T, Na T, Ni T, Pb T, Sb T, Se T, Sn T, Tl T, V T, Zn T	<2			50.00mL	Yellow-Clear/Yellow-Clear		Tier IV
5	R1903953-002	T-23-DB	.10	50mL	6010C/Cd T, Fe T, Mn T, Pb T, Sb T	<2			50.00mL	Colorless-Clear		Tier IV
6	R1903953-003	WEX-0210-DB	.10	50mL	6010C/Cd T, Fe T, Mn T, Pb T, Sb T	<2			50.00mL	Colorless-Clear		
7	R1903953-004	WEX-0210-SB	.10	50mL	6010C/Cd T, Fe T, Mn T, Pb T, Sb T	<2			50.00mL	Colorless-Clear		
8	R1903953-005	T-25-DB	.10	50mL	6010C/Cd T, Fe T, Mn T, Pb T, Sb T	<2			50.00mL	Colorless-Clear		
9	R1903953-006	T-25-SB	.10	50mL	6010C/Cd T, Fe T, Mn T, Pb T, Sb T	<2			50.00mL	Colorless-Clear		
10	R1903953-007	T-31-DB	.10	50mL	6010C/Cd T, Fe T, Mn T, Pb T, Sb T	<2			50.00mL	Colorless-Clear		
11	R1903953-008	T-31-SB	.10	50mL	6010C/Cd T, Fe T, Mn T, Pb T, Sb T	<2			50.00mL	Colorless-Clear		
12	R1903953-009	T-38-SB	.10	50mL	6010C/Cd T, Fe T, Mn T, Pb T, Sb T	<2			50.00mL	Colorless-Clear		
13	R1903953-010	T-38-DB	.10	50mL	6010C/Cd T, Fe T, Mn T, Pb T, Sb T	<2			50.00mL	Colorless-Clear		
14	R1903953-011	T-32-SBR	.10	50mL	6010C/Cd T, Fe T, Mn T, Pb T, Sb T	<2			50.00mL	Colorless-Clear		
15	R1903953-012	T-32-DBR	.10	50mL	6010C/Cd T, Fe T, Mn T, Pb T, Sb T	<2			50.00mL	Colorless-Clear		
16	R1903953-013	T-37-DB	.10	50mL	6010C/Cd T, Fe T, Mn T, Pb T, Sb T	<2			50.00mL	Colorless-Clear		
17	R1903953-014	T-37-SB	.10	50mL	6010C/Cd T, Fe T, Mn T, Pb T, Sb T	<2			50.00mL	Colorless-Clear		
18	R1903953-016	T-35-DB	.10	50mL	6010C/Cd T, Fe T, Mn T, Pb T, Sb T	<2			50.00mL	Colorless-Clear		
19	R1903953-017	IN-6S	.10	50mL	6010C/Cd T, Fe T, Mn T, Pb T, Sb T	<2			50.00mL	Colorless-Clear		

Preparation Information Benchsheet

Prep Run#: 336057 **Prep WorkFlow:** MetDigAqICP **Status:** Prepped
Team: Metals/KMCLAEN **Prep Method:** EPA 3005A/3010A **Prep Date/Time:** 5/6/19 15:30

20	R1903953-018	IN-7S	1.0	50mL	6010C/Cd T, Fe T, Mn T, Pb T, Sb T	<2			50.00mL	Colorless-Clear		
21	R1903953-019	Office Well	1.0	50mL	6010C/Cd T, Fe T, Mn T, Pb T, Sb T	<2			50.00mL	Colorless-Clear		
22	R1903953-020	IN-3S	1.0	50mL	6010C/Cd T, Fe T, Mn T, Pb T, Sb T	<2			50.00mL	Yellow-Clear/Yellow-Clear		

Spiking Solutions

Name:	Tin 1000 ug/mL Sn	Inventory ID	193076	Logbook Ref:	M7600007D	Expires On:	02/28/2020	Lot #:	1803846
Name:	Strontium 1000 ug/mL Sr	Inventory ID	193077	Logbook Ref:	M7600007E	Expires On:	02/28/2020	Lot #:	1801815
Name:	Selenium 1000 ug/mL Se	Inventory ID	193078	Logbook Ref:	M7600007F	Expires On:	02/28/2020	Lot #:	1809415
Name:	Custom LCS STD A Metals	Inventory ID	193084	Logbook Ref:	M7600007L	Expires On:	02/14/2020	Lot #:	10070256-
Name:	Custom LCS STD B Metals	Inventory ID	193085	Logbook Ref:	M7600007M	Expires On:	02/14/2020	Lot #:	10070256-

Preparation Materials

1:1 HCl Metals Grade	M7600009G (197995)	Hot Block Cups	50 mL Lot 1812117 (197999)	Nitric Acid Metals Grade HNO3	M7600009S (197992)
Thermometer	293 (12952)				

Preparation Steps

Step: Digestion
Started: 5/6/19 15:30
Finished: 5/7/19 14:28
By: KMCLAEN
Comments

Comments:

Reviewed By: [signature] Date: 5/7/19 Spike Witness: LHERRING Date:

Chain of Custody

Relinquished By: [signature] Date: 5/7/19
Received By: RACI Date: 5/7/19

Extracts Examined
Yes No

Preparation Information Benchsheet

Prep Run#: 336095
Team: Metals/KMCLAEN

Prep WorkFlow: MetDigSICP
Prep Method: EPA 3050B

Status: Prepped
Prep Date/Time: 5/7/19 10:55

#	Lab Code	Client ID	B#	Amt. Ext.	Method /Test	pH	AE	BN	Final Vol	Sample Desc. (Initial/Final)	SpikeAmt./Inv. ID	Comments
1	RQ1904220-01	MB		0.5g	6010C/Ag T, Al T, As T, B T, Ba T, Be T, Ca T, Cd T, Co T, Cr T, Cu T, Fe T, K T, Mg T, Mn T, Mo T, Na T, Ni T, Pb T, Sb T, Se T, Sn T, Sr T, Ti T, Tl T, V T, Zn T				50.00mL	White-Coarse/Colorless-Clear		HB: 1 Well: G2 Temp: 90.0C/92.0C Corr. Factor: 0.0C Corr. Temp: 90.0C/92.0C
2	RQ1904220-02	LCS		0.5g	6010C/Ag T, Al T, As T, B T, Ba T, Be T, Ca T, Cd T, Co T, Cr T, Cu T, Fe T, K T, Mg T, Mn T, Mo T, Na T, Ni T, Pb T, Sb T, Se T, Sn T, Sr T, Ti T, Tl T, V T, Zn T				50.00mL	White-Coarse/Colorless-Clear	0.2500 mL/193076; 0.5000 mL/193084; 0.5000 mL/193085; 0.0500 mL/193078; 0.1000 mL/193077	On HB: 12:23 Off HB: 14:57 Pipets/Repipettors used: M23,M27,M31,M103,M106 ,M203,M104
3	RQ1904220-03	MDLV		0.5g	6010C/Ag T, Al T, As T, B T, Ba T, Be T, Ca T, Cd T, Co T, Cr T, Cu T, Fe T, K T, Mg T, Mn T, Mo T, Na T, Ni T, Pb T, Sb T, Se T, Sn T, Sr T, Ti T, Tl T, V T, Zn T				50.00mL	Colorless-Liquid/Colorless-Clear		
4	R1902784-015	6010C MDLV #2	.01	0.5g	6010C/Ag T, Al T, As T, B T, Ba T, Be T, Ca T, Cd T, Co T, Cr T, Cu T, Fe T, K T, Mg T, Mn T, Mo T, Na T, Ni T, Pb T, Sb T, Se T, Sn T, Sr T, Ti T, Tl T, V T, Zn T				50.00mL	Colorless-Liquid/Colorless-Clear		
5	R1903900-001	West/East Secondary	.02	0.5300g	6010C/As T, Cd T, Cr T, Cu T, K T, Mo T, Ni T, Pb T, Se T, Zn T				50.00mL	Brown-Liquid/Colorless-Clear		
6	R1903943-003	Sludge/Cake	.01	0.5500g	6010C/As T, Cd T, Cr T, Cu T, K T, Mo T, Ni T, Pb T, Se T, Zn T				50.00mL	Brown-Medium/Colorless-Clear		
7	R1903957-002	TP-02 (2-4)	.11	0.5400g	6010C/Ag T, Al T, As T, Ba T, Be T, Ca T, Cd T, Co T, Cr T, Cu T, Fe T, K T, Mg T, Mn T, Na T, Ni T, Pb T, Sb T, Se T, Tl T, V T, Zn T				50.00mL	Brown-Medium/Yellow-Clear		TIER IV
8	RQ1904220-04	R1903957-002 MS	.11	0.5500g	6010C/Ag T, Al T, As T, Ba T, Be T, Ca T, Cd T, Co T, Cr T, Cu T, Fe T, K T, Mg T, Mn T, Na T, Ni T, Pb T, Sb T, Se T, Tl T, V T, Zn T				50.00mL	Brown-Medium/Yellow-Clear	0.2500 mL/193076; 0.1000 mL/193077; 0.0500 mL/193078; 0.5000 mL/193084; 0.5000 mL/193085	
9	RQ1904220-05	R1903957-002 DMS	.11	0.5400g	6010C/Ag T, Al T, As T, Ba T, Be T, Ca T, Cd T, Co T, Cr T, Cu T, Fe T, K T, Mg T, Mn T, Na T, Ni T, Pb T, Sb T, Se T, Tl T, V T, Zn T				50.00mL	Brown-Medium/Yellow-Clear	0.5000 mL/193084; 0.2500 mL/193076; 0.1000 mL/193077; 0.0500 mL/193078; 0.5000 mL/193085	
10	R1903957-004	TP-04 (4-5)	.02	0.5200g	6010C/Ag T, Al T, As T, Ba T, Be T, Ca T, Cd T, Co T, Cr T, Cu T, Fe T, K T, Mg T, Mn T, Na T, Ni T, Pb T, Sb T, Se T, Tl T, V T, Zn T				50.00mL	Brown-Medium/Yellow-Clear		

Preparation Information Benchsheet

Prep Run#: 336095 **Prep WorkFlow:** MetDigSICP **Status:** Prepped
Team: Metals/KMCLAEN **Prep Method:** EPA 3050B **Prep Date/Time:** 5/7/19 10:55

11	R1903957-007	TP-07 (8-8.5)	.03	0.5400g	6010C/Ag T, Al T, As T, Ba T, Be T, Ca T, Cd T, Co T, Cr T, Cu T, Fe T, K T, Mg T, Mn T, Na T, Ni T, Pb T, Sb T, Se T, Tl T, V T, Zn T				50.00mL	Brown-Medium/Yellow-Clear		
12	R1903957-008	TP-08 (4-5)	.03	0.5g	6010C/Ag T, Al T, As T, Ba T, Be T, Ca T, Cd T, Co T, Cr T, Cu T, Fe T, K T, Mg T, Mn T, Na T, Ni T, Pb T, Sb T, Se T, Tl T, V T, Zn T				50.00mL	Brown-Medium/Yellow-Clear		
13	R1903959-003	TB-01-32 (3-4)	.01	0.5300g	6010C/Ag T, As T, Ba T, Cd T, Cr T, Pb T, Se T				50.00mL	Brown-Medium/Yellow-Clear		Tier IV
14	R1903959-005	TB-02-32 (3-4)	.01	0.5200g	6010C/Ag T, As T, Ba T, Cd T, Cr T, Pb T, Se T				50.00mL	Brown-Medium/Yellow-Clear		
15	R1903959-008	TB-03-32 (5-7)	.01	0.5200g	6010C/Ag T, As T, Ba T, Cd T, Cr T, Pb T, Se T				50.00mL	Brown-Medium/Yellow-Clear		
16	R1903959-010	TB-04-32 (4-5)	.02	0.5100g	6010C/Ag T, As T, Ba T, Cd T, Cr T, Pb T, Se T				50.00mL	Brown-Medium/Yellow-Clear		
17	R1903967-001	B-5	.01	0.5g	6010C/As T, Cr T, Pb T				50.00mL	Brown-Medium/Yellow-Clear		
18	R1903967-002	B-6	.01	0.5500g	6010C/As T, Cr T, Pb T				50.00mL	Brown-Medium/Yellow-Clear		
19	R1903967-003	B-7	.01	0.5200g	6010C/As T, Cr T, Pb T				50.00mL	Brown-Medium/Yellow-Clear		
20	R1903967-004	B-8	.01	0.5500g	6010C/As T, Cr T, Pb T				50.00mL	Brown-Medium/Yellow-Clear		
21	R1903967-005	B-9	.01	0.5300g	6010C/As T, Cr T, Pb T				50.00mL	Brown-Medium/Yellow-Clear		
22	R1903967-006	B-10	.01	0.5200g	6010C/As T, Cr T, Pb T				50.00mL	Brown-Medium/Yellow-Clear		
23	R1903967-009	B-3	.02	0.5g	6010C/Ag T, As T, Ba T, Cd T, Cr T, Pb T, Se T				50.00mL	Brown-Medium/Yellow-Clear		
24	R1903967-010	B-4	.02	0.5100g	6010C/Ag T, As T, Ba T, Cd T, Cr T, Pb T, Se T				50.00mL	Brown-Medium/Yellow-Clear		

Spiking Solutions

Name:	Tin 1000 ug/mL Sn	Inventory ID	193076	Logbook Ref:	M7600007D	Expires On:	02/28/2020	Lot #:	1803846
Name:	Strontium 1000 ug/mL Sr	Inventory ID	193077	Logbook Ref:	M7600007E	Expires On:	02/28/2020	Lot #:	1801815
Name:	Selenium 1000 ug/mL Se	Inventory ID	193078	Logbook Ref:	M7600007F	Expires On:	02/28/2020	Lot #:	1809415
Name:	Custom LCS STD A Metals	Inventory ID	193084	Logbook Ref:	M7600007L	Expires On:	02/14/2020	Lot #:	10070256-
Name:	Custom LCS STD B Metals	Inventory ID	193085	Logbook Ref:	M7600007M	Expires On:	02/14/2020	Lot #:	10070256-

Preparation Materials

1:1 HCl Metals Grade	M7600009G (197995)	1:1 Nitric Acid Metals Grade	M7600009S (197993)	Hot Block Cups	50 mL Lot 1812117 (197999)
Hydrogen Peroxide 30% Reagent Grade H2O2	M7600008R (195511)	Nitric Acid Metals Grade HNO3	M7600009S (197992)	Plunger Filter	151011A1-9105-CC (199107)
Thermometer	294 (12954)				

Preparation Information Benchsheet

Prep Run#: 336095
Team: Metals/KMCLAEN

Prep WorkFlow: MetDigSICP
Prep Method: EPA 3050B

Status: Prepped
Prep Date/Time: 5/7/19 10:55

Preparation Steps

Step: Digestion
Started: 5/7/19 10:55
Finished: 5/7/19 17:36
By: KMCLAEN
Comments

2784 5/10
3900 5/13
3943 5/13
3957 5/13
3959 5/9 RUSH
3907 5/14

(19)

Comments:

Reviewed By: [signature] Date: 5/8/19 Spike Witness: LHERRING Date:

Chain of Custody

Relinquished By: [signature] Date: 5/7/19
Received By: RACI Date: 5/7/19

Extracts Examined
Yes No

ICP ICV/CCV (Standard is prepared daily)
(ICV FOR ILM5.3 IS A ½ DILUTION OF THIS STANDARD)

	Metal	ALS Lot #	Conc. (ppm)	Vol. (mls)	Final Vol. (mls)	Final Conc. (ppm)
Cal Std 1	CA	M760000090	5000	1.00	200	25.0
	MG		5000			25.0
	K		5000			25.0
	NA		5000			25.0
Cal Std 2	AG	M760000 09W	100	1.00		0.500
	CR		100			0.500
	MN		150			0.750
	NI		400			2.00
	ZN		200			1.00
Cal Std 3	AL	M760000 09X	2000	1.00		10.0
	BA		2000			10.0
	BE		50			0.250
	CO		500			2.50
	CU		250			1.25
	FE		1000			5.00
	V		500			2.50
Cal Std 4	AS	M760000 09V	100	2.00		1.00
	CD		50			0.500
	PB		50			0.500
	SE		50			0.500
	TL		100			1.00
Single Metals	SB	M760000 09P	1000	1.00		5.00
	SN	M760000 09A	1000	1.00		5.00
	B	M760000 09K	1000	0.500		2.50
	MO	M760000 09L	1000	0.500		2.50
	TI	M760000 09Z	1000	0.500		2.50
	SR	M760000 09T	1000	0.500		2.50
	P	–	1000	1.00		5.00

Analyst/ Date	Letter ID	Nitric Acid Lot # / Concentration	Hydrochloric Acid Lot # / Concentration	Pipet ID
5/6/19 LH	A	M760000 95101	M760000 94151	M35
5/7/19 LH	B	M760000 95101	M760000 94151	M35
5/6/19 LH	C	M760000 95101	M760000 94151	M35
	D			
	E			
	F			
	G			
	H			
	I			
	J			
	K			
	L			
	M			
	N			
	O			
	P			
	Q			
	R			
	S			
	T			
	U			
	V			
	W			
	X			
	Y			
	Z			
	AA			
	BB			

OPTIMA 3,4,5,6 CALIBRATION STANDARD #1 (Standard is prepared weekly or as necessary)

	Metal	ALS Lot #	Conc. (ppm)	Vol. (mls)	Final Vol. (mls)	Final Conc. (ppm)
Cal Std. I	AL	M760002A	20.0	1.00	1000	0.020
Int.	AS		5.00			0.0050
	CD		1.00			0.0010
	CO		3.00			0.0030
	CR		5.00			0.0050
	PB		5.00			0.0050
	V		3.00			0.0030
Cal Std. I	CA	M760002Z	5000	0.100		0.500
	K		5000			BELOW
	MG		5000			0.500
	NA		5000			0.500
Single Element	BA	M760007H	1000	0.020		0.020
	CU	M760007K	1000	0.010		0.010
	K	M760005S	10000	0.150		2.00
	MN	M760005G	1000	0.010		0.010
	MO	M760005J	1000	0.025		0.025
	SB	M760007C	1000	0.010		0.010
	TL	M760005Q	1000	0.010		0.010
	ZN	M760006V	1000	0.010		0.010
	P	–	1000	0.100		0.100

Analyst/ Date	Letter ID	Nitric Acid Lot#/ Concentration	Hydrochloric Acid Lot #/ Concentration	Expiration Date	Pipet ID
LH 3/1/19	A	M760005F 2%	M760009H 5%	5/31/19	M5, M25
LH 3/1/19	B	M760005F 10%	M760009H 5%	5/31/19	M35, M25
	C				
	D				
	E				
	F				
	G				
	H				
	I				
	J				
	K				
	L				
	M				
	N				
	O				
	P				
	Q				
	R				
	S				
	T				
	U				
	V				
	W				
	X				
	Y				
	Z				

ICP CALIBRATION STANDARD #2
(Standard is prepared monthly or as necessary)

	Metal	ALS Lot #	Conc. (ppm)	Vol. (mls)	Final Vol. (mls)	Final Conc. (ppm)
Single Element	AL	M7L000015	1000	0.100	1000	0.100
	AS	M7D000111X	1000	0.010		0.010
	B	M7L000056X	1000	0.200		0.200
	BE	M7L000066 (1/10)	100	0.030		0.003
	CA	M7L000035R	10000	0.100		1.00
	CD	M7L000044 (1/10)	100	0.050		0.005
	CU	M7L000037K	1000	0.020		0.020
	K	M7L000055	10000	0.200		2.00
	MG	M7L000052	10000	0.100		1.00
	NA	M7L000049Y	10000	0.100		1.00
	PB	M7L000053H	1000	0.050		0.050
	SB	M7L000057C	1000	0.060		0.060
	SE	M7L000037F	1000	0.010		0.010
	SN	M7L000037D	1000	0.500		0.500

Analyst/ Date	Letter ID	Nitric Acid Lot#	Hydrochloric Acid Lot #	Expiration Date	Pipet ID
9/11/19 LH	A	M7L000030F 21	M7L000039H 51	9/25/19	M25.983
9/11/19 LH	B	M7L000038F 101	M7L000039H 51	9/25/19	M25.983
	C				
	D				
	E				
	F				
	G				
	H				
	I				
	J				
	K				
	L				
	M				
	N				
	O				
	P				
	Q				
	R				
	S				
	T				
	U				
	V				
	W				
	X				
	Y				
	Z				

everyl0months

ICP CALIBRATION STANDARD #5 / HLCCV1 (Standard is prepared monthly or as necessary)

(CALIBRATION STANDARD #3 IS A 1/100 DILUTION OF THIS STANDARD)
(CALIBRATION STANDARD #4 IS A 1/5 DILUTION OF THIS STANDARD)

	Metal	ALS Lot #	Conc. (ppm)	Vol. (mls)	Final Vol. (mls)	Final Conc. (ppm)
Cal Std 2	AG	M760000K	100	~~2.00~~	~~200~~	1.00
	CR		100	5.00	500	1.00
	MN		150			1.50
	NI		400			4.00
	ZN		200			2.00
Cal Std 3	AL	M760000L	2000	~~2.00~~		20.0
	BA		2000	5.00		20.0
	BE		50			0.500
	CO		500			5.00
	CU		250			2.50
	FE		1000			10.0
	V		500			5.00
Cal Std 4	AS	M760000M	100	~~4.00~~		2.00
	CD		50	10.00		1.00
	PB		50			1.00
	SE		50			1.00
	TL	4/15/19	100			2.00
Single Metals	CA	M760000S8F	10000	~~1.00~~	250	50.0
	MG	M760000S2L	10000	~~1.00~~	2.50	50.0
	K	M760000035	10000	~~1.00~~	2.50	50.0
	NA	M760000084	10000	~~1.00~~	2.50	50.0
	SB	M760000072	1000	~~2.00~~	5.00	10.0
	SN	M760000070	1000	~~2.00~~	5.00	10.0
	B	M760000058	1000	~~1.00~~	2.50	5.00
	MO	M760000060	1000	~~1.00~~	2.50	5.00
	TI	M760000076	1000	~~1.00~~	2.50	5.00
	SR	M760000074	1000	~~1.00~~	2.50	5.00

Analyst/ Date	Letter ID	Nitric Acid Lot#/ Concentration	Hydrochloric Acid Lot # Concentration	Expiration Date	Pipet ID
LH 4/25/19	A	M760000895 2%	M760000980 5%	9/28/19	M32, M35
LH 4/25/19	B	M760000985101	M760000905%	9/28/19	M32, M35
	C				
	D				
	E				
	F				
	G				
	H				
	I				
	J				
	K				
	L				
	M				
	N				
	O				
	P				
	Q				
	R				
	S				
	T				
	U				
	V				
	W				
	X				
	Y				
	Z				
	AA				
	BB				

ICP MRL (Standard is prepared every 6 months or as needed)

	Metal	ALS Lot #	Conc. (ppm)	Vol. (mls)	Final Vol. (mls)	Final Conc. (ppm)
Cal Std 1	CA	M760000 8L	5000	0.200	1000	1.00
	MG		5000			1.00
	K		5000			1.00
	NA		5000			1.00
Cal Std 2	AG	M760001 0L	100	0.100		0.0100
	CR		100			0.0100
	MN		150			0.0150
	NI		400			0.0400
	ZN		200			0.0200
Cal Std 3	AL	M760001 0L	2000	0.100		0.200
	BA		2000			0.200
	BE		50			0.0050
	CO		500			0.0500
	CU		250			0.0250
	FE		1000			0.100
	V		500			0.0500
Cal Std 4	AS	M760001 0M	100	0.200		0.0200
	CD		50			0.0100
	PB		50			0.0100
	SE		50			0.0100
	TL		100			0.0200
Single Metals	B	M760000 8K	1000	0.200		0.200
	MO	M760000 8Y	1000	0.025		0.0250
	SN	M760000 7D	1000	0.500		0.500
	TI	M760000 7G	1000	0.050		0.0500
	SB	M760000 7Y	1000	0.060		0.0600
	SR	M760000 7E	1000	0.100		0.100
	P	–	1000	0.100		0.100

Analyst/ Date	Letter ID	Nitric Acid Lot# / Concentration	Hydrochloric Acid Lot # / Concentration	Expiration Date	Pipet ID
LH 4/26/19	A	M760000 95	M760001 96	10/26/19	M25 M3
	B				
	C				
	D				
	E				
	F				
	G				
	H				
	I				
	J				
	K				
	L				
	M				
	N				
	O				
	P				
	Q				
	R				
	S				
	T				
	U				
	V				
	W				
	X				
	Y				
	Z				
	AA				
	BB				

ICP HLCCV2 (Standard is prepared monthly or as necessary)

	Metal	ALS Lot #	Conc. (ppm)	Vol. (mls)	Final Vol. (mls)	Final Conc. (ppm)
Cal Std 2	AG	M760000894	100	2.00	100	2.00
	CR		100			Below
	MN		150			Below
	NI		400			8.00
	ZN		200			4.00
Cal Std 3	AL	M760000850N	2000	2.00		Below
	BA		2000			40.0
	BE		50			1.00
	CO, V		500			10.0
	CU		250			5.00
	FE		1000			Below
Cal Std 4	AS, TL	M760000850	100	4.00		4.00
	CD, SE		50			2.00
	PB		50			Below
Single Metals	B	M760000850X	1000	1.00		10.0
	MO	M760000859	1000	1.00		10.0
	TI	M760000767	1000	1.00		10.0
	SR	M760000376	1000	1.00		10.0
	CA	M760000852	10000	2.50		250
	MG	M760000852	10000	5.00		500
	NA	M760000849	10000	~~1.50~~ 2.00 3/13/19 LH		~~150~~ 200
	CR	M760000060H	1000	0.800		10.0
	FE	M760000737 J	10000	0.300		50
	AL	M760000850C	10000	4.60		500
	MN	M760000356J	1000	0.700		10.00
	PB	M760000351H	1000	0.800		10.0
	K	M760000355	10000	1.50		150

Analyst/ Date	Letter ID	Nitric Acid Lot # / Concentration	Hydrochloric Acid Lot # / Concentration	Expiration Date	Pipet ID
LH 3/13/19	A	M760000894 2%	M760000894 5%	4/13/19	M35
LH 3/13/19	B	M760000894 10%	M760000894 5%	4/13/19	M35
LH 3/13/19	C	M760000894 2%	M760000894 5%	4/13/19	M35
LH 4/3/19	D	M760000894 10%	M760000894 5%	4/3/19	M35
CK 4/18/19	E	M760000894 2%	M760000894 5%	5/18/19	M35
LH 5/ 4/2019	F	M760000894 10%	M760000894 5%	5/ 4/19	M35
	G				
	H				
	I				
	J				
	K				
	L				
	M				
	N				
	O				
	P				
	Q				
	R				
	S				
	T				
	U				
	V				
	W				
	X				
	Y				
	Z				
	AA				

ICP HLCCV3
(Standard is prepared monthly or as necessary)

	Metal	ALS Lot #	Conc. (ppm)	Vol. (mls)	Final Vol. (mls)	Final Conc. (ppm)
Single Elements	CA	M760000552	10000	2.00	100	200
	CU	M760000037K	1000	0.40		4.00
	FE	M760000 7J	10000	0.40		40.0
	K	M760000055	10000	1.00		100
	TL	M760000090	1000	0.30		3.00
	NG	M760000094	1000	1.50		150

Analyst / Date	Letter ID	Nitric Acid Lot #/ Concentration	Hydrochloric Acid Lot #/ Concentration	Expiration Date	Pipet ID
LH 3/13/19	A	M760000052%	M760000941 8.	4/13/19	M35
LH 3/13/19	B	M760000037F10%	M760000911 5%	4/13/19	M35
LH 4/5/19	C	M760000090.510%	M760000941 5%	5/4/19	M35
~~LH CH~~ 4/12/19	D	M760000095 2%	M790000096 5%	5/12/19	M35
LH 5/1/19	E	M760000095 10%	M760000905%	6/1/19	M35
	F				
	G				
	H				
	I				
	J				
	K				
	L				
	M				
	N				
	O				
	P				
	Q				
	R				
	S				

OPTIMA 3/5/6 ICSA STANDARD (Standard is prepared every 6 months or as necessary)

Element	ALS Lot #	Conc. (ppm)	Vol. (mls)	Final Vol. (mls)	Final Conc. (ppm)
Int. A Sol'n	M760005K	Multi	50	1000	Multi
AL		5000			250
CA		5000			250
FE		2000			100
MG		5000			250

Analyst/ Date	ID Letter	Nitric Acid Lot # / Concentration	Hydrochloric Acid Lot # / Concentration	Expiration Date	Pipet ID
NM 9/18/18	A	M760000E 10%	M760005P 5%	12/18/18	Volumetric
NM 8/9/18	B	M760000E 8%	M760005P 5%	2/9/18	Volumetric
NM 12/12/18	C	M760000X 10%	M760005P 5%	3/31/19	Volumetric
LH 12/10/18	D	M760000E 2%	M760000W 5%	5/31/19	Volumetric
LH 12/17/18	E	M760000E 10%	M760000W 5%	5/31/19	Volumetric
	F				
	G				
	H				
	I				
	J				
	K				
	L				
	M				
	N				
	O				
	P				
	Q				
	R				
	S				
	T				
	U				
	V				

ICP ICSAB STANDARD (Standard is prepared every 6 months or as necessary)

Element	ALS Lot #	Conc. (ppm)	Vol. (mls)	Final Vol. (mls)	Final Conc. (ppm)
Int. A Sol'n	M760000 91	Multi	25	500	Multi
AL		5000			250
CA		5000			250
FE		2000			100
MG		5000			250
Int. B Sol'n	M760000 90	Multi	5		Multi
AG		20			0.200
BA		50			0.500
BE		50			0.500
CD		100			1.00
CO		50			0.500
CR		50			0.500
CU		50			0.500
MN		50			0.500
NI		100			1.00
PB		5			0.0500
V		50			0.500
ZN		100			1.00
AS		10			0.100
SB		60			0.600
SE		5			0.0500
TL		10			0.100

Analyst/ Date	ID Letter	Nitric Acid Lot # / Concentration	Hydrochloric Acid Lot # / Concentration	Expiration Date	Pipet ID
LH 3/26/19	A	M760000 85F21	M760000 9H51	9/20/19	Volumetric 3/4/19
LH 4/9/19	B	M760000 9510	M760000 9H51	10/9/19	VWR
	C				
	D				
	E				
	F				
	G				
	H				
	I				
	J				
	K				
	L				
	M				
	N				
	O				
	P				
	Q				
	R				
	S				
	T				
	U				
	V				

ICP INTERNAL STANDARD (ADDED ON-LINE)

Metal	ALS Lot #	Conc. (ppm)	Vol. (mls)	Final Vol. (mls)	Final Conc. (ppm)	Matrix	Analyst/ Date	Letter ID	Nitric Acid Lot #	Hydro-chloric Acid Lot #	Expiration Date	Pipet ID
Y	M760000090	10000	2.0	2000	10.0	5 % HCl 2%HNO3	LH 4/24/19	A	M760000095	M760000091	10/24/19	M35
CS	M760000092	10000	2.0		10.0		LH 5/2/19	B	M760000095	M760000096	11/2/19	M35
							~~LH~~ LH 5/9/19	C	M760000095	M760000914	11/8/19	M35
								D				
								E				
								F				
								G				
								H				
								I				
								J				
								K				
								L				
								M				
								N				
								O				
								P				
								Q				
								R				
								S				
								T				
								V				

Sample Dilutions

Analyst: LH

Date 5/8/19

Instrument: ICP6

Analysis 6010

Common Dilutions

Dilution	Matrix of Diluent	1st Dilution			2nd Dilution			3rd Dilution			4th Dilution			5th Dilution		
		mL's of Sample	mL's of Diluent	Dilution Factor	mL's of Sample	mL's of Diluent	Dilution Factor	mL's of Sample	mL's of Diluent	Dilution Factor	mL's of Sample	mL's of Diluent	Dilution Factor	mL's of Sample	mL's of Diluent	Dilution Factor
1/2	HNO3/HCL	3	3	1/2												
1/3	HNO3/HCL	3	6	1/3												
1/4	HNO3/HCL	2	6	1/4												
1/5	HNO3/HCL	2	8	1/5												
1/10	HNO3/HCL	1	9	1/10												
1/20	HNO3/HCL	3	3	1/2	1	9	1/20									
1/30	HNO3/HCL	3	6	1/3	1	9	1/30									
1/40	HNO3/HCL	1	3	1/4	1	9	1/40									
1/50	HNO3/HCL	1	4	1/5	1	9	1/50									
1/100	HNO3/HCL	1	9	1/10	1	9	1/100									
1/200	HNO3/HCL	3	3	1/2	1	9	1/20	1	9	1/200						
1/300	HNO3/HCL	3	6	1/3	1	9	1/30	1	9	1/300						
1/400	HNO3/HCL	1	3	1/4	1	9	1/40	1	9	1/400						
1/500	HNO3/HCL	1	4	1/5	1	9	1/50	1	9	1/500						
1/1000	HNO3/HCL	1	9	1/10	1	9	1/100	1	9	1/1000						
1/2000	HNO3/HCL	3	3	1/2	1	9	1/20	1	9	1/200	1	9	1/2000			
1/3000	HNO3/HCL	3	6	1/3	1	9	1/30	1	9	1/300	1	9	1/3000			
1/4000	HNO3/HCL	1	3	1/4	1	9	1/40	1	9	1/400	1	9	1/4000			
1/10000	HNO3/HCL	1	9	1/10	1	9	1/100	1	9	1/1000	1	9	1/10000			
1/20000	HNO3/HCL	1	1	1/2	1	9	1/20	1	9	1/200	1	9	1/2000	1	9	1/20000
1/40000	HNO3/HCL	1	3	1/4	1	9	1/40	1	9	1/400	1	9	1/4000	1	9	1/40000
1/100000	HNO3/HCL	1	9	1/10	1	9	1/100	1	9	1/1000	1	9	1/10000	1	9	1/100000

Special Dilutions

Dilution	Matrix of Diluent	1st Dilution			2nd Dilution			3rd Dilution			4th Dilution			5th Dilution		
		mL's of Sample	mL's of Diluent	Dilution Factor	mL's of Sample	mL's of Diluent	Dilution Factor	mL's of Sample	mL's of Diluent	Dilution Factor	mL's of Sample	mL's of Diluent	Dilution Factor	mL's of Sample	mL's of Diluent	Dilution Factor

Analytical Results Summary

Instrument Name: R-ICP-AES-06 **Analyst:** LHERRING **Analysis Lot:** 634851 **Method/Testcode:** 6010C/Al T DOD

Lab Code	Target Analytes	QC	Parent Sample	Matrix	Raw Result	Sample Amt	Final Result	Dil	MDL	PQL	% Rec	% RSD	Date Analyzed	QC?	Tier
KQ1904224-01	Aluminum, Total	MB		Soil	0.01 ppm	0.5 g	20 mg/Kg U	1	12	20			5/8/19 14:49:28	N	III
KQ1904224-01	Antimony, Total	MB		Soil	0.00 ppm	0.5 g	6.0 mg/Kg U	1	0.6	6.0			5/8/19 14:49:28	N	III
KQ1904224-01	Arsenic, Total	MB		Soil	0.00 ppm	0.5 g	1.0 mg/Kg U	1	0.7	1.0			5/8/19 14:49:28	N	III
KQ1904224-01	Barium, Total	MB		Soil	0.00 ppm	0.5 g	2.0 mg/Kg U	1	1.0	2.0			5/8/19 14:49:28	N	III
KQ1904224-01	Beryllium, Total	MB		Soil	0.00 ppm	0.5 g	0.50 mg/Kg U	1	0.03	0.50			5/8/19 14:49:28	N	III
KQ1904224-01	Boron, Total	MB		Soil	0.00 ppm	0.5 g	20 mg/Kg U	1	0.8	20			5/8/19 14:49:28	N	III
KQ1904224-01	Cadmium, Total	MB		Soil	0.00 ppm	0.5 g	0.50 mg/Kg U	1	0.08	0.50			5/8/19 14:49:28	N	III
KQ1904224-01	Calcium, Total	MB		Soil	0.03 ppm	0.5 g	100 mg/Kg U	1	40	100			5/8/19 14:49:28	N	III
KQ1904224-01	Chromium, Total	MB		Soil	0.00 ppm	0.5 g	1.0 mg/Kg U	1	0.4	1.0			5/8/19 14:49:28	N	III
KQ1904224-01	Cobalt, Total	MB		Soil	0.00 ppm	0.5 g	5.0 mg/Kg U	1	0.2	5.0			5/8/19 14:49:28	N	III
KQ1904224-01	Copper, Total	MB		Soil	0.00 ppm	0.5 g	2.0 mg/Kg U	1	0.7	2.0			5/8/19 14:49:28	N	III
KQ1904224-01	Iron, Total	MB		Soil	0.01 ppm	0.5 g	40 mg/Kg U	1	13	40			5/8/19 14:49:28	N	III
KQ1904224-01	Lead, Total	MB		Soil	0.00 ppm	0.5 g	5.0 mg/Kg U	1	0.4	5.0			5/8/19 14:49:28	N	III
KQ1904224-01	Magnesium, Total	MB		Soil	0.00 ppm	0.5 g	100 mg/Kg U	1	20	100			5/8/19 14:49:28	N	III
KQ1904224-01	Manganese, Total	MB		Soil	0.00 ppm	0.5 g	2.0 mg/Kg U	1	1.5	2.0			5/8/19 14:49:28	N	III
KQ1904224-01	Molybdenum, Total	MB		Soil	0.00 ppm	0.5 g	2.5 mg/Kg U	1	0.4	2.5			5/8/19 14:49:28	N	III
KQ1904224-01	Nickel, Total	MB		Soil	0.00 ppm	0.5 g	4.0 mg/Kg U	1	0.7	4.0			5/8/19 14:49:28	N	III
KQ1904224-01	Potassium, Total	MB		Soil	0.29 ppm	0.5 g	30 mg/Kg J	1	10	200			5/8/19 14:49:28	N	III
KQ1904224-01	Selenium, Total	MB		Soil	0.00 ppm	0.5 g	1.0 mg/Kg U	1	0.6	1.0			5/8/19 14:49:28	N	III
KQ1904224-01	Silver, Total	MB		Soil	0.00 ppm	0.5 g	1.0 mg/Kg U	1	0.08	1.0			5/8/19 14:49:28	N	III
KQ1904224-01	Sodium, Total	MB		Soil	0.06 ppm	0.5 g	200 mg/Kg U	1	60	200			5/8/19 14:49:28	N	III
KQ1904224-01	Strontium, Total	MB		Soil	0.00 ppm	0.5 g	10 mg/Kg U	1	0.2	10			5/8/19 14:49:28	N	III
KQ1904224-01	Thallium, Total	MB		Soil	0.00 ppm	0.5 g	2.0 mg/Kg U	1	0.7	2.0			5/8/19 14:49:28	N	III
KQ1904224-01	Tin, Total	MB		Soil	0.01 ppm	0.5 g	50 mg/Kg U	1	6	50			5/8/19 14:49:28	N	III
KQ1904224-01	Titanium, Total	MB		Soil	0.00 ppm	0.5 g	5.0 mg/Kg U	1	0.2	5.0			5/8/19 14:49:28	N	III
KQ1904224-01	Vanadium, Total	MB		Soil	0.00 ppm	0.5 g	5.0 mg/Kg U	1	0.8	5.0			5/8/19 14:49:28	N	III
KQ1904224-01	Zinc, Total	MB		Soil	0.01 ppm	0.5 g	4.0 mg/Kg U	1	1.4	4.0			5/8/19 14:49:28	N	III
KQ1903853-002	Aluminum, Total	N/A		Soil	0.09 ppm	0.5 g	20 mg/Kg U	1	12	20			5/8/19 14:56:05	N	III
KQ1903853-002	Antimony, Total	N/A		Soil	0.03 ppm	0.5 g	2.7 mg/Kg J	1	0.6	6.0			5/8/19 14:56:05	N	III
KQ1903853-002	Arsenic, Total	N/A		Soil	0.00 ppm	0.5 g	1.0 mg/Kg U	1	0.7	1.0			5/8/19 14:56:05	N	III
KQ1903853-002	Barium, Total	N/A		Soil	0.01 ppm	0.5 g	1.1 mg/Kg J	1	1.0	2.0			5/8/19 14:56:05	N	III
KQ1903853-002	Beryllium, Total	N/A		Soil	0.00 ppm	0.5 g	0.24 mg/Kg J	1	0.03	0.30			5/8/19 14:56:05	N	III
KQ1903853-002	Boron, Total	N/A		Soil	0.09 ppm	0.5 g	9 mg/Kg J	1	0.8	20			5/8/19 14:56:05	N	III
KQ1903853-002	Cadmium, Total	N/A		Soil	0.00 ppm	0.5 g	0.26 mg/Kg J	1	0.08	0.50			5/8/19 14:56:05	N	III
KQ1903853-002	Calcium, Total	N/A		Soil	0.45 ppm	0.5 g	50 mg/Kg J	1	40	100			5/8/19 14:56:05	N	III
KQ1903853-002	Chromium, Total	N/A		Soil	0.01 ppm	0.5 g	0.6 mg/Kg J	1	0.4	1.0			5/8/19 14:56:05	N	III

* indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

Instrument Name: R-ICP-AES-06 **Analyst:** LHERRING **Analysis Lot:** 634851 **Method/Testcode:** 6010C/Co T DOD

Lab Code	Target Analytes	QC	Parent Sample	Matrix	Raw Result	Sample Amt.	Final Result	Dil	MDL	PQL	% Rec	% RSD	Date Analyzed	QC?	Tier
R1903853-002	Cobalt, Total	N/A		Soil	0.03 ppm	0.5 g	2.6 mg/Kg J	1	0.2	5.0			5/8/19 14:56:05	N	III
R1903853-002	Copper, Total	N/A		Soil	0.01 ppm	0.5 g	1.0 mg/Kg J	1	0.7	2.0			5/8/19 14:56:05	N	III
R1903853-002	Iron, Total	N/A		Soil	0.20 ppm	0.5 g	20 mg/Kg J	1	13	40			5/8/19 14:56:05	N	III
R1903853-002	Lead, Total	N/A		Soil	0.03 ppm	0.5 g	2.5 mg/Kg J	1	0.4	5.0			5/8/19 14:56:05	N	III
R1903853-002	Magnesium, Total	N/A		Soil	0.49 ppm	0.5 g	50 mg/Kg J	1	20	100			5/8/19 14:56:05	N	III
R1903853-002	Manganese, Total	N/A		Soil	0.02 ppm	0.5 g	2.1 mg/Kg J	1	1.5	4.0			5/8/19 14:56:05	N	III
R1903853-002	Molybdenum, Total	N/A		Soil	0.01 ppm	0.5 g	1.4 mg/Kg J	1	0.4	2.5			5/8/19 14:56:05	N	III
R1903853-002	Nickel, Total	N/A		Soil	0.02 ppm	0.5 g	2.0 mg/Kg J	1	0.7	4.0			5/8/19 14:56:05	N	III
R1903853-002	Potassium, Total	N/A		Soil	1.21 ppm	0.5 g	120 mg/Kg BJ	1	10	200			5/8/19 14:56:05	N	III
R1903853-002	Selenium, Total	N/A		Soil	0.01 ppm	0.5 g	1.2 mg/Kg J	1	0.6	2.0			5/8/19 14:56:05	N	III
R1903853-002	Silver, Total	N/A		Soil	0.00 ppm	0.5 g	0.5 mg/Kg J	1	0.08	1.0			5/8/19 14:56:05	N	III
R1903853-002	Sodium, Total	N/A		Soil	0.55 ppm	0.5 g	200 mg/Kg U	1	60	200			5/8/19 14:56:05	N	III
R1903853-002	Strontium, Total	N/A		Soil	0.05 ppm	0.5 g	5 mg/Kg J	1	0.2	10			5/8/19 14:56:05	N	III
R1903853-002	Thallium, Total	N/A		Soil	0.01 ppm	0.5 g	1.2 mg/Kg J	1	0.7	2.0			5/8/19 14:56:05	N	III
R1903853-002	Tin, Total	N/A		Soil	0.26 ppm	0.5 g	26 mg/Kg J	1	6	50			5/8/19 14:56:05	N	III
R1903853-002	Titanium, Total	N/A		Soil	0.03 ppm	0.5 g	2.6 mg/Kg J	1	0.2	5.0			5/8/19 14:56:05	N	III
R1903853-002	Vanadium, Total	N/A		Soil	0.03 ppm	0.5 g	2.5 mg/Kg J	1	0.8	5.0			5/8/19 14:56:05	N	III
R1903853-002	Zinc, Total	N/A		Soil	0.02 ppm	0.5 g	2.0 mg/Kg J	1	1.4	4.0			5/8/19 14:56:05	N	III
RQ1904224-03	Aluminum, Total	LODV		Soil	0.09 ppm	0.5 g	20 mg/Kg U	1	12	20	88		5/8/19 14:56:05	N	III
RQ1904224-03	Antimony, Total	LODV		Soil	0.03 ppm	0.5 g	2.68 mg/Kg J	1	0.6	6.0	89		5/8/19 14:56:05	N	III
RQ1904224-03	Arsenic, Total	LODV		Soil	0.00 ppm	0.5 g	1.0 mg/Kg U	1	0.7	1.0	82		5/8/19 14:56:05	N	III
RQ1904224-03	Barium, Total	LODV		Soil	0.01 ppm	0.5 g	1.07 mg/Kg J	1	1.0	2.0	107		5/8/19 14:56:05	N	III
RQ1904224-03	Beryllium, Total	LODV		Soil	0.00 ppm	0.5 g	0.240 mg/Kg J	1	0.03	0.50	96		5/8/19 14:56:05	N	III
RQ1904224-03	Boron, Total	LODV		Soil	0.09 ppm	0.5 g	9.44 mg/Kg J	1	0.8	20	94		5/8/19 14:56:05	N	III
RQ1904224-03	Cadmium, Total	LODV		Soil	0.00 ppm	0.5 g	0.260 mg/Kg J	1	0.08	0.50	104		5/8/19 14:56:05	N	III
RQ1904224-03	Calcium, Total	LODV		Soil	0.45 ppm	0.5 g	45.0 mg/Kg J	1	40	100	90		5/8/19 14:56:05	N	III
RQ1904224-03	Chromium, Total	LODV		Soil	0.01 ppm	0.5 g	0.550 mg/Kg J	1	0.4	1.0	110		5/8/19 14:56:05	N	III
RQ1904224-03	Cobalt, Total	LODV		Soil	0.03 ppm	0.5 g	2.64 mg/Kg J	1	0.2	5.0	106		5/8/19 14:56:05	N	III
RQ1904224-03	Copper, Total	LODV		Soil	0.01 ppm	0.5 g	1.01 mg/Kg J	1	0.7	2.0	101		5/8/19 14:56:05	N	III
RQ1904224-03	Iron, Total	LODV		Soil	0.20 ppm	0.5 g	20.2 mg/Kg J	1	13	40	101		5/8/19 14:56:05	N	III
RQ1904224-03	Lead, Total	LODV		Soil	0.03 ppm	0.5 g	2.54 mg/Kg J	1	0.4	5.0	102		5/8/19 14:56:05	N	III
RQ1904224-03	Magnesium, Total	LODV		Soil	0.49 ppm	0.5 g	49.3 mg/Kg J	1	20	100	99		5/8/19 14:56:05	N	III
RQ1904224-03	Manganese, Total	LODV		Soil	0.02 ppm	0.5 g	2.10 mg/Kg	1	1.5	2.0	105		5/8/19 14:56:05	N	III
RQ1904224-03	Molybdenum, Total	LODV		Soil	0.01 ppm	0.5 g	1.35 mg/Kg J	1	0.4	2.5	108		5/8/19 14:56:05	N	III
RQ1904224-03	Nickel, Total	LODV		Soil	0.02 ppm	0.5 g	1.98 mg/Kg J	1	0.7	4.0	99		5/8/19 14:56:05	N	III
RQ1904224-03	Potassium, Total	LODV		Soil	1.21 ppm	0.5 g	121 mg/Kg J	1	10	200	121		5/8/19 14:56:05	N	III

‡ indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

Instrument Name: R-ICP-AES-06 **Analyst:** LHERRING **Analysis Lot:** 634851 **Method/Testcode:** 6010C/Se T DOD

Lab Code	Target Analytes	QC	Parent Sample	Matrix	Raw Result	Sample Amt	Final Result	Dil	MDL	PQL	% Rec	% RSD	Date Analyzed	QC?	Tier
RQ1904224-03	Selenium, Total	LODV		Soil	0.01 ppm	0.5 g	1.21 mg/Kg	1	0.6	1.0	121		5/8/19 14:56:05	N	III
RQ1904224-03	Silver, Total	LODV		Soil	0.00 ppm	0.5 g	0.490 mg/Kg J	1	0.08	1.0	98		5/8/19 14:56:05	N	III
RQ1904224-03	Sodium, Total	LODV		Soil	0.55 ppm	0.5 g	200 mg/Kg U	1	60	200	111		5/8/19 14:56:05	N	III
RQ1904224-03	Strontium, Total	LODV		Soil	0.05 ppm	0.5 g	5.18 mg/Kg J	1	0.2	10	104		5/8/19 14:56:05	N	III
RQ1904224-03	Thallium, Total	LODV		Soil	0.01 ppm	0.5 g	1.23 mg/Kg J	1	0.7	2.0	123		5/8/19 14:56:05	N	III
RQ1904224-03	Tin, Total	LODV		Soil	0.26 ppm	0.5 g	26.1 mg/Kg J	1	6	50	104		5/8/19 14:56:05	N	III
RQ1904224-03	Titanium, Total	LODV		Soil	0.03 ppm	0.5 g	2.61 mg/Kg J	1	0.2	5.0	104		5/8/19 14:56:05	N	III
RQ1904224-03	Vanadium, Total	LODV		Soil	0.03 ppm	0.5 g	2.52 mg/Kg J	1	0.8	5.0	101		5/8/19 14:56:05	N	III
RQ1904224-03	Zinc, Total	LODV		Soil	0.02 ppm	0.5 g	1.96 mg/Kg J	1	1.4	4.0	196		5/8/19 14:56:05	N	III
RQ1904224-02	Aluminum, Total	LCS		Soil	0.18 ppm	0.5 g	17.7 mg/Kg J	1	12	20	89		5/8/19 14:59:24	N	III
RQ1904224-02	Antimony, Total	LCS		Soil	0.06 ppm	0.5 g	5.88 mg/Kg J	1	0.6	6.0	98		5/8/19 14:59:24	N	III
RQ1904224-02	Arsenic, Total	LCS		Soil	0.01 ppm	0.5 g	1.09 mg/Kg	1	0.7	1.0	109		5/8/19 14:59:24	N	III
RQ1904224-02	Barium, Total	LCS		Soil	0.02 ppm	0.5 g	2.11 mg/Kg	1	1.0	2.0	106		5/8/19 14:59:24	N	III
RQ1904224-02	Beryllium, Total	LCS		Soil	0.01 ppm	0.5 g	0.500 mg/Kg	1	0.03	0.50	100		5/8/19 14:59:24	N	III
RQ1904224-02	Boron, Total	LCS		Soil	0.19 ppm	0.5 g	19.1 mg/Kg J	1	0.8	20	96		5/8/19 14:59:24	N	III
RQ1904224-02	Cadmium, Total	LCS		Soil	0.01 ppm	0.5 g	0.520 mg/Kg	1	0.08	0.50	104		5/8/19 14:59:24	N	III
RQ1904224-02	Calcium, Total	LCS		Soil	0.92 ppm	0.5 g	91.9 mg/Kg J	1	40	100	92		5/8/19 14:59:24	N	III
RQ1904224-02	Chromium, Total	LCS		Soil	0.01 ppm	0.5 g	1.09 mg/Kg	1	0.4	1.0	109		5/8/19 14:59:24	N	III
RQ1904224-02	Cobalt, Total	LCS		Soil	0.05 ppm	0.5 g	5.32 mg/Kg	1	0.2	5.0	106		5/8/19 14:59:24	N	III
RQ1904224-02	Copper, Total	LCS		Soil	0.02 ppm	0.5 g	1.99 mg/Kg J	1	0.7	2.0	100		5/8/19 14:59:24	N	III
RQ1904224-02	Iron, Total	LCS		Soil	0.40 ppm	0.5 g	40.3 mg/Kg	1	13	40	101		5/8/19 14:59:24	N	III
RQ1904224-02	Lead, Total	LCS		Soil	0.05 ppm	0.5 g	5.16 mg/Kg	1	0.4	5.0	103		5/8/19 14:59:24	N	III
RQ1904224-02	Magnesium, Total	LCS		Soil	0.99 ppm	0.5 g	99.4 mg/Kg J	1	20	100	99		5/8/19 14:59:24	N	III
RQ1904224-02	Manganese, Total	LCS		Soil	0.04 ppm	0.5 g	4.23 mg/Kg	1	1.5	2.0	106		5/8/19 14:59:24	N	III
RQ1904224-02	Molybdenum, Total	LCS		Soil	0.03 ppm	0.5 g	2.53 mg/Kg	1	0.4	2.5	101		5/8/19 14:59:24	N	III
RQ1904224-02	Nickel, Total	LCS		Soil	0.04 ppm	0.5 g	4.04 mg/Kg	1	0.7	4.0	101		5/8/19 14:59:24	N	III
RQ1904224-02	Potassium, Total	LCS		Soil	2.17 ppm	0.5 g	217 mg/Kg	1	10	200	109		5/8/19 14:59:24	N	III
RQ1904224-02	Selenium, Total	LCS		Soil	0.02 ppm	0.5 g	1.83 mg/Kg	1	0.6	1.0	92		5/8/19 14:59:24	N	III
RQ1904224-02	Silver, Total	LCS		Soil	0.01 ppm	0.5 g	0.990 mg/Kg J	1	0.08	1.0	99		5/8/19 14:59:24	N	III
RQ1904224-02	Sodium, Total	LCS		Soil	1.04 ppm	0.5 g	104 mg/Kg J	1	60	200	104		5/8/19 14:59:24	N	III
RQ1904224-02	Strontium, Total	LCS		Soil	0.10 ppm	0.5 g	10.3 mg/Kg	1	0.2	10	103		5/8/19 14:59:24	N	III
RQ1904224-02	Thallium, Total	LCS		Soil	0.02 ppm	0.5 g	1.92 mg/Kg J	1	0.7	2.0	96		5/8/19 14:59:24	N	III
RQ1904224-02	Tin, Total	LCS		Soil	0.52 ppm	0.5 g	51.8 mg/Kg	1	6	50	104		5/8/19 14:59:24	N	III
RQ1904224-02	Titanium, Total	LCS		Soil	0.05 ppm	0.5 g	5.18 mg/Kg	1	0.2	5.0	104		5/8/19 14:59:24	N	III
RQ1904224-02	Vanadium, Total	LCS		Soil	0.05 ppm	0.5 g	5.15 mg/Kg	1	0.8	5.0	103		5/8/19 14:59:24	N	III
RQ1904224-02	Zinc, Total	LCS		Soil	0.03 ppm	0.5 g	2.78 mg/Kg J	1	1.4	4.0	139		5/8/19 14:59:24	N	III

nO Limit CK 5/9/19

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

Instrument Name: R-ICP-AES-06 **Analyst:** LHERRING **Analysis Lot:** 634852 **Method/Testcode:** 6010C/Fe T

Lab Code	Target Analytes	QC	Parent Sample	Matrix	Raw Result	Sample Amt	Final Result	Dil	MDL	PQL	% Rec	% RSD	Date Analyzed	QC?	Tier
R1903917-009	Iron, Total	N/A		Water	6.01 ppm	50 mL	60100 µg/L	10	200	1000			5/8/19 15:09:19	N	II
R1903917-013	Sodium, Total	N/A		Water	37.52 ppm	50 mL	375000 µg/L	10	2000	10000			5/8/19 15:12:37	N	II

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

Instrument Name: R-ICP-AES-06 **Analyst:** LHERRING **Analysis Lot:** 634854 **Method/Testcode:** 6010C/Tl T

Lab Code	Target Analytes	QC	Parent Sample	Matrix	Raw Result	Sample Amt	Final Result	Dil	MDL	PQL	% Rec	% RSD	Date Analyzed	QC?	Tier
R1903918-001	Thallium, Total	N/A		Water	0.01 ppm	50 mL	11 µg/L	1	7	10			5/8/19 15:35:50	N	IV
R1903953-020	Iron, Total	N/A		Water	19.90 ppm	50 mL	199000 µg/L	10	200	1000			5/8/19 15:42:27	N	IV
R1903918-001	Boron, Total	N/A		Water	1.37 ppm	50 mL	13700 µg/L	10	200	2000			5/8/19 15:49:05	N	IV
R1903918-001	Calcium, Total	N/A		Water	27.54 ppm	50 mL	275000 µg/L	10	3000	10000			5/8/19 15:49:05	N	IV
R1903918-001	Potassium, Total	N/A		Water	13.76 ppm	50 mL	138000 µg/L	10	2000	20000			5/8/19 15:49:05	N	IV

I indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

Instrument Name: R-ICP-AES-06 **Analyst:** LHERRING **Analysis Lot:** 634855 **Method/Testcode:** 6010C/Al T

Lab Code	Target Analytes	QC	Parent Sample	Matrix	Raw Result	Sample Amt	Final Result	Dil	MDL	PQL	% Rec	% RSD	Date Analyzed	QC?	Tier
KQ1904220-01	Aluminum, Total	MB		Soil	0.00 ppm	0.5 g	20 mg/Kg U	1	12	20			5/8/19 16:28:48	N	II
KQ1904220-01	Antimony, Total	MB		Soil	0.00 ppm	0.5 g	6.0 mg/Kg U	1	0.6	6.0			5/8/19 16:28:48	N	II
KQ1904220-01	Arsenic, Total	MB		Soil	0.00 ppm	0.5 g	1.0 mg/Kg U	1	0.7	1.0			5/8/19 16:28:48	N	II
KQ1904220-01	Barium, Total	MB		Soil	0.00 ppm	0.5 g	2.0 mg/Kg U	1	1.0	2.0			5/8/19 16:28:48	N	II
KQ1904220-01	Beryllium, Total	MB		Soil	0.00 ppm	0.5 g	0.30 mg/Kg U	1	0.03	0.30			5/8/19 16:28:48	N	II
KQ1904220-01	Boron, Total	MB		Soil	0.00 ppm	0.5 g	20 mg/Kg U	1	0.8	20			5/8/19 16:28:48	N	II
KQ1904220-01	Cadmium, Total	MB		Soil	0.00 ppm	0.5 g	0.50 mg/Kg U	1	0.08	0.50			5/8/19 16:28:48	N	II
KQ1904220-01	Calcium, Total	MB		Soil	0.03 ppm	0.5 g	100 mg/Kg U	1	40	100			5/8/19 16:28:48	N	II
KQ1904220-01	Chromium, Total	MB		Soil	0.00 ppm	0.5 g	1.0 mg/Kg U	1	0.4	1.0			5/8/19 16:28:48	N	II
KQ1904220-01	Cobalt, Total	MB		Soil	0.00 ppm	0.5 g	5.0 mg/Kg U	1	0.2	5.0			5/8/19 16:28:48	N	II
KQ1904220-01	Copper, Total	MB		Soil	0.00 ppm	0.5 g	2.0 mg/Kg U	1	0.7	2.0			5/8/19 16:28:48	N	II
KQ1904220-01	Iron, Total	MB		Soil	0.03 ppm	0.5 g	20 mg/Kg U	1	13	20			5/8/19 16:28:48	N	II
KQ1904220-01	Lead, Total	MB		Soil	0.00 ppm	0.5 g	5.0 mg/Kg U	1	0.4	5.0			5/8/19 16:28:48	N	II
KQ1904220-01	Magnesium, Total	MB		Soil	0.00 ppm	0.5 g	100 mg/Kg U	1	20	100			5/8/19 16:28:48	N	II
KQ1904220-01	Manganese, Total	MB		Soil	0.00 ppm	0.5 g	2.0 mg/Kg U	1	1.5	2.0			5/8/19 16:28:48	N	II
KQ1904220-01	Molybdenum, Total	MB		Soil	0.00 ppm	0.5 g	2.5 mg/Kg U	1	0.4	2.5			5/8/19 16:28:48	N	II
KQ1904220-01	Nickel, Total	MB		Soil	0.00 ppm	0.5 g	4.0 mg/Kg U	1	0.7	4.0			5/8/19 16:28:48	N	II
KQ1904220-01	Potassium, Total	MB		Soil	0.29 ppm	0.5 g	30 mg/Kg J	1	10	200			5/8/19 16:28:48	N	II
KQ1904220-01	Selenium, Total	MB		Soil	0.00 ppm	0.5 g	1.0 mg/Kg U	1	0.6	1.0			5/8/19 16:28:48	N	II
KQ1904220-01	Silver, Total	MB		Soil	0.00 ppm	0.5 g	1.0 mg/Kg U	1	0.08	1.0			5/8/19 16:28:48	N	II
KQ1904220-01	Sodium, Total	MB		Soil	0.07 ppm	0.5 g	100 mg/Kg U	1	60	100			5/8/19 16:28:48	N	II
KQ1904220-01	Strontium, Total	MB		Soil	0.00 ppm	0.5 g	10 mg/Kg U	1	0.2	10			5/8/19 16:28:48	N	II
KQ1904220-01	Thallium, Total	MB		Soil	0.00 ppm	0.5 g	1.0 mg/Kg U	1	0.7	1.0			5/8/19 16:28:48	N	II
KQ1904220-01	Tin, Total	MB		Soil	0.01 ppm	0.5 g	50 mg/Kg U	1	6	50			5/8/19 16:28:48	N	II
KQ1904220-01	Titanium, Total	MB		Soil	0.00 ppm	0.5 g	5.0 mg/Kg U	1	0.2	5.0			5/8/19 16:28:48	N	II
KQ1904220-01	Vanadium, Total	MB		Soil	0.00 ppm	0.5 g	5.0 mg/Kg U	1	0.8	5.0			5/8/19 16:28:48	N	II
KQ1904220-01	Zinc, Total	MB		Soil	0.01 ppm	0.5 g	2.0 mg/Kg U	1	1.4	2.0			5/8/19 16:28:48	N	II
KQ1904220-02	Aluminum, Total	LCS		Soil	1.85 ppm	0.5 g	185 mg/Kg	1	12	20	93		5/8/19 16:32:06	N	II
KQ1904220-02	Antimony, Total	LCS		Soil	0.47 ppm	0.5 g	47.0 mg/Kg	1	0.6	6.0	94		5/8/19 16:32:06	N	II
KQ1904220-02	Arsenic, Total	LCS		Soil	0.04 ppm	0.5 g	4.11 mg/Kg	1	0.7	1.0	103		5/8/19 16:32:06	N	II
KQ1904220-02	Barium, Total	LCS		Soil	2.11 ppm	0.5 g	211 mg/Kg	1	1.0	2.0	105		5/8/19 16:32:06	N	II
KQ1904220-02	Beryllium, Total	LCS		Soil	0.05 ppm	0.5 g	4.99 mg/Kg	1	0.03	0.30	100		5/8/19 16:32:06	N	II
KQ1904220-02	Boron, Total	LCS		Soil	0.98 ppm	0.5 g	97.7 mg/Kg	1	0.8	20	98		5/8/19 16:32:06	N	II
KQ1904220-02	Cadmium, Total	LCS		Soil	0.05 ppm	0.5 g	5.13 mg/Kg	1	0.08	0.50	103		5/8/19 16:32:06	N	II
KQ1904220-02	Calcium, Total	LCS		Soil	1.93 ppm	0.5 g	193 mg/Kg	1	40	100	96		5/8/19 16:32:06	N	II
KQ1904220-02	Chromium, Total	LCS		Soil	0.21 ppm	0.5 g	20.9 mg/Kg	1	0.4	1.0	105		5/8/19 16:32:06	N	II

f indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

Instrument Name: R-ICP-AES-06 **Analyst:** LHERRING **Analysis Lot:** 634855 **Method/Testcode:** 6010C/Co T

Lab Code	Target Analytes	QC	Parent Sample	Matrix	Raw Result	Sample Amt	Final Result	Dil	MDL	PQL	% Rec	% RSD	Date Analyzed	QC?	Tier
RQ1904220-02	Cobalt, Total	LCS		Soil	0.52 ppm	0.5 g	52.4 mg/Kg	1	0.2	5.0	105		5/8/19 16:32:06	N	II
RQ1904220-02	Copper, Total	LCS		Soil	0.25 ppm	0.5 g	24.9 mg/Kg	1	0.7	2.0	99		5/8/19 16:32:06	N	II
RQ1904220-02	Iron, Total	LCS		Soil	1.00 ppm	0.5 g	100 mg/Kg	1	13	20	100		5/8/19 16:32:06	N	II
RQ1904220-02	Lead, Total	LCS		Soil	0.51 ppm	0.5 g	51.3 mg/Kg	1	0.4	5.0	103		5/8/19 16:32:06	N	II
RQ1904220-02	Magnesium, Total	LCS		Soil	1.98 ppm	0.5 g	198 mg/Kg	1	20	100	99		5/8/19 16:32:06	N	II
RQ1904220-02	Manganese, Total	LCS		Soil	0.51 ppm	0.5 g	51.1 mg/Kg	1	1.5	2.0	102		5/8/19 16:32:06	N	II
RQ1904220-02	Molybdenum, Total	LCS		Soil	0.51 ppm	0.5 g	51.1 mg/Kg	1	0.4	2.5	102		5/8/19 16:32:06	N	II
RQ1904220-02	Nickel, Total	LCS		Soil	0.51 ppm	0.5 g	50.7 mg/Kg	1	0.7	4.0	101		5/8/19 16:32:06	N	II
RQ1904220-02	Potassium, Total	LCS		Soil	19.22 ppm	0.5 g	1920 mg/Kg	1	10	200	96		5/8/19 16:32:06	N	II
RQ1904220-02	Selenium, Total	LCS		Soil	0.96 ppm	0.5 g	96.4 mg/Kg	1	0.6	1.0	95		5/8/19 16:32:06	N	II
RQ1904220-02	Silver, Total	LCS		Soil	0.05 ppm	0.5 g	4.89 mg/Kg	1	0.08	1.0	98		5/8/19 16:32:06	N	II
RQ1904220-02	Sodium, Total	LCS		Soil	19.02 ppm	0.5 g	1900 mg/Kg	1	60	100	95		5/8/19 16:32:06	N	II
RQ1904220-02	Strontium, Total	LCS		Soil	2.09 ppm	0.5 g	209 mg/Kg	1	0.2	10	104		5/8/19 16:32:06	N	II
RQ1904220-02	Thallium, Total	LCS		Soil	1.90 ppm	0.5 g	190 mg/Kg	1	0.7	1.0	95		5/8/19 16:32:06	N	II
RQ1904220-02	Tin, Total	LCS		Soil	5.00 ppm	0.5 g	500 mg/Kg	1	6	50	100		5/8/19 16:32:06	N	II
RQ1904220-02	Titanium, Total	LCS		Soil	0.52 ppm	0.5 g	52.0 mg/Kg	1	0.2	5.0	104		5/8/19 16:32:06	N	II
RQ1904220-02	Vanadium, Total	LCS		Soil	0.51 ppm	0.5 g	50.9 mg/Kg	1	0.8	5.0	102		5/8/19 16:32:06	N	II
RQ1904220-02	Zinc, Total	LCS		Soil	0.50 ppm	0.5 g	50.0 mg/Kg	1	1.4	2.0	100		5/8/19 16:32:06	N	II
R1902784-015	Aluminum, Total	N/A		Soil	0.02 ppm	0.5 g	20 mg/Kg U	1	12	20			5/8/19 16:35:25	N	II
R1902784-015	Antimony, Total	N/A		Soil	0.01 ppm	0.5 g	0.9 mg/Kg J	1	0.6	6.0			5/8/19 16:35:25	N	II
R1902784-015	Arsenic, Total	N/A		Soil	0.01 ppm	0.5 g	1.0 mg/Kg U	1	0.7	1.0			5/8/19 16:35:25	N	II
R1902784-015	Barium, Total	N/A		Soil	0.00 ppm	0.5 g	2.0 mg/Kg U	1	1.0	2.0			5/8/19 16:35:25	N	II
R1902784-015	Beryllium, Total	N/A		Soil	0.00 ppm	0.5 g	0.05 mg/Kg J	1	0.03	0.30			5/8/19 16:35:25	N	II
R1902784-015	Boron, Total	N/A		Soil	0.05 ppm	0.5 g	5 mg/Kg J	1	0.8	20			5/8/19 16:35:25	N	II
R1902784-015	Cadmium, Total	N/A		Soil	0.00 ppm	0.5 g	0.50 mg/Kg U	1	0.08	0.50			5/8/19 16:35:25	N	II
R1902784-015	Calcium, Total	N/A		Soil	0.27 ppm	0.5 g	100 mg/Kg U	1	40	100			5/8/19 16:35:25	N	II
R1902784-015	Chromium, Total	N/A		Soil	0.00 ppm	0.5 g	1.0 mg/Kg U	1	0.4	1.0			5/8/19 16:35:25	N	II
R1902784-015	Cobalt, Total	N/A		Soil	0.00 ppm	0.5 g	0.2 mg/Kg J	1	0.2	5.0			5/8/19 16:35:25	N	II
R1902784-015	Copper, Total	N/A		Soil	0.00 ppm	0.5 g	2.0 mg/Kg U	1	0.7	2.0			5/8/19 16:35:25	N	II
R1902784-015	Iron, Total	N/A		Soil	0.02 ppm	0.5 g	20 mg/Kg U	1	13	20			5/8/19 16:35:25	N	II
R1902784-015	Lead, Total	N/A		Soil	0.00 ppm	0.5 g	5.0 mg/Kg U	1	0.4	5.0			5/8/19 16:35:25	N	II
R1902784-015	Magnesium, Total	N/A		Soil	0.01 ppm	0.5 g	100 mg/Kg U	1	20	100			5/8/19 16:35:25	N	II
R1902784-015	Manganese, Total	N/A		Soil	0.00 ppm	0.5 g	2.0 mg/Kg U	1	1.5	2.0			5/8/19 16:35:25	N	II
R1902784-015	Molybdenum, Total	N/A		Soil	0.00 ppm	0.5 g	2.5 mg/Kg U	1	0.4	2.5			5/8/19 16:35:25	N	II
R1902784-015	Nickel, Total	N/A		Soil	0.01 ppm	0.5 g	4.0 mg/Kg U	1	0.7	4.0			5/8/19 16:35:25	N	II
R1902784-015	Potassium, Total	N/A		Soil	0.37 ppm	0.5 g	40 mg/Kg BJ	1	10	200			5/8/19 16:35:25	N	II

! indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

Instrument Name: R-ICP-AES-06 **Analyst:** LHERRING **Analysis Lot:** 634855 **Method/Testcode:** 6010C/Se T

Lab Code	Target Analytes	QC	Parent Sample	Matrix	Raw Result	Sample Amt	Final Result	Dil	MDL	PQL	% Rec	% RSD	Date Analyzed	QC?	Tier
1902784-015	Selenium, Total	N/A		Soil	0.01 ppm	0.5 g	1.0 mg/Kg U	1	0.6	1.0			5/8/19 16:35:25	N	II
1902784-015	Silver, Total	N/A		Soil	0.00 ppm	0.5 g	0.09 mg/Kg J	1	0.08	1.0			5/8/19 16:35:25	N	II
1902784-015	Sodium, Total	N/A		Soil	0.17 ppm	0.5 g	100 mg/Kg U	1	60	100			5/8/19 16:35:25	N	II
1902784-015	Strontium, Total	N/A		Soil	0.00 ppm	0.5 g	0.2 mg/Kg J	1	0.2	10			5/8/19 16:35:25	N	II
1902784-015	Thallium, Total	N/A		Soil	0.01 ppm	0.5 g	1.2 mg/Kg	1	0.7	1.0			5/8/19 16:35:25	N	II
1902784-015	Tin, Total	N/A		Soil	0.06 ppm	0.5 g	6 mg/Kg J	1	6	50			5/8/19 16:35:25	N	II
1902784-015	Titanium, Total	N/A		Soil	0.00 ppm	0.5 g	0.2 mg/Kg J	1	0.2	5.0			5/8/19 16:35:25	N	II
1902784-015	Vanadium, Total	N/A		Soil	0.00 ppm	0.5 g	5.0 mg/Kg U	1	0.8	5.0			5/8/19 16:35:25	N	II
1902784-015	Zinc, Total	N/A		Soil	0.01 ppm	0.5 g	2.0 mg/Kg U	1	1.4	2.0			5/8/19 16:35:25	N	II
1Q1904220-03	Aluminum, Total	MDLV		Soil	0.02 ppm	0.5 g	20 mg/Kg U	1	12	20			5/8/19 16:35:25	N	II
1Q1904220-03	Antimony, Total	MDLV		Soil	0.01 ppm	0.5 g	0.880 mg/Kg J	1	0.6	6.0			5/8/19 16:35:25	N	II
1Q1904220-03	Arsenic, Total	MDLV		Soil	0.01 ppm	0.5 g	1.0 mg/Kg U	1	0.7	1.0			5/8/19 16:35:25	N	II
1Q1904220-03	Barium, Total	MDLV		Soil	0.00 ppm	0.5 g	2.0 mg/Kg U	1	1.0	2.0			5/8/19 16:35:25	N	II
1Q1904220-03	Beryllium, Total	MDLV		Soil	0.00 ppm	0.5 g	0.0500 mg/Kg J	1	0.03	0.30			5/8/19 16:35:25	N	II
1Q1904220-03	Boron, Total	MDLV		Soil	0.05 ppm	0.5 g	4.81 mg/Kg J	1	0.8	20			5/8/19 16:35:25	N	II
1Q1904220-03	Cadmium, Total	MDLV		Soil	0.00 ppm	0.5 g	0.50 mg/Kg U	1	0.08	0.50			5/8/19 16:35:25	N	II
1Q1904220-03	Calcium, Total	MDLV		Soil	0.27 ppm	0.5 g	100 mg/Kg U	1	40	100			5/8/19 16:35:25	N	II
1Q1904220-03	Chromium, Total	MDLV		Soil	0.00 ppm	0.5 g	1.0 mg/Kg U	1	0.4	1.0			5/8/19 16:35:25	N	II
1Q1904220-03	Cobalt, Total	MDLV		Soil	0.00 ppm	0.5 g	0.240 mg/Kg J	1	0.2	5.0			5/8/19 16:35:25	N	II
1Q1904220-03	Copper, Total	MDLV		Soil	0.00 ppm	0.5 g	2.0 mg/Kg U	1	0.7	2.0			5/8/19 16:35:25	N	II
1Q1904220-03	Iron, Total	MDLV		Soil	0.02 ppm	0.5 g	20 mg/Kg U	1	13	20			5/8/19 16:35:25	N	II
1Q1904220-03	Lead, Total	MDLV		Soil	0.00 ppm	0.5 g	5.0 mg/Kg U	1	0.4	5.0			5/8/19 16:35:25	N	II
1Q1904220-03	Magnesium, Total	MDLV		Soil	0.01 ppm	0.5 g	100 mg/Kg U	1	20	100			5/8/19 16:35:25	N	II
1Q1904220-03	Manganese, Total	MDLV		Soil	0.00 ppm	0.5 g	2.0 mg/Kg U	1	1.5	2.0			5/8/19 16:35:25	N	II
1Q1904220-03	Molybdenum, Total	MDLV		Soil	0.00 ppm	0.5 g	2.5 mg/Kg U	1	0.4	2.5			5/8/19 16:35:25	N	II
1Q1904220-03	Nickel, Total	MDLV		Soil	0.01 ppm	0.5 g	4.0 mg/Kg U	1	0.7	4.0			5/8/19 16:35:25	N	II
1Q1904220-03	Potassium, Total	MDLV		Soil	0.37 ppm	0.5 g	36.7 mg/Kg J	1	10	200			5/8/19 16:35:25	N	II
1Q1904220-03	Selenium, Total	MDLV		Soil	0.01 ppm	0.5 g	1.0 mg/Kg U	1	0.6	1.0			5/8/19 16:35:25	N	II
1Q1904220-03	Silver, Total	MDLV		Soil	0.00 ppm	0.5 g	0.0900 mg/Kg J	1	0.08	1.0			5/8/19 16:35:25	N	II
1Q1904220-03	Sodium, Total	MDLV		Soil	0.17 ppm	0.5 g	100 mg/Kg U	1	60	100			5/8/19 16:35:25	N	II
1Q1904220-03	Strontium, Total	MDLV		Soil	0.00 ppm	0.5 g	0.240 mg/Kg J	1	0.2	10			5/8/19 16:35:25	N	II
1Q1904220-03	Thallium, Total	MDLV		Soil	0.01 ppm	0.5 g	1.16 mg/Kg	1	0.7	1.0			5/8/19 16:35:25	N	II
1Q1904220-03	Tin, Total	MDLV		Soil	0.06 ppm	0.5 g	6.25 mg/Kg J	1	6	50			5/8/19 16:35:25	N	II
1Q1904220-03	Titanium, Total	MDLV		Soil	0.00 ppm	0.5 g	0.220 mg/Kg J	1	0.2	5.0			5/8/19 16:35:25	N	II
1Q1904220-03	Vanadium, Total	MDLV		Soil	0.00 ppm	0.5 g	5.0 mg/Kg U	1	0.8	5.0			5/8/19 16:35:25	N	II
1Q1904220-03	Zinc, Total	MDLV		Soil	0.01 ppm	0.5 g	2.0 mg/Kg U	1	1.4	2.0			5/8/19 16:35:25	N	II

t indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

Instrument Name: R-ICP-AES-06 **Analyst:** LHERRING **Analysis Lot:** 634855 **Method/Testcode:** 6010C/As T

Lab Code	Target Analytes	QC	Parent Sample	Matrix	Raw Result	Sample Amt	Final Result	Dil	MDL	PQL	% Rec	% RSD	Date Analyzed	QC?	Tier
1903900-001	Arsenic, Total	N/A		Sludge, Solid	0.01 ppm	0.5300 g	16 mg/Kg U	1	12	16			5/8/19 16:38:44	N	II
1903900-001	Cadmium, Total	N/A		Sludge, Solid	0.00 ppm	0.5300 g	1.8 mg/Kg J	1	1.2	8.2			5/8/19 16:38:44	N	II
1903900-001	Chromium, Total	N/A		Sludge, Solid	0.03 ppm	0.5300 g	46 mg/Kg	1	6	16			5/8/19 16:38:44	N	II
1903900-001	Copper, Total	N/A		Sludge, Solid	0.31 ppm	0.5300 g	513 mg/Kg	1	11	33			5/8/19 16:38:44	N	II
1903900-001	Lead, Total	N/A		Sludge, Solid	0.06 ppm	0.5300 g	106 mg/Kg	1	7	82			5/8/19 16:38:44	N	II
1903900-001	Molybdenum, Total	N/A		Sludge, Solid	0.00 ppm	0.5300 g	8 mg/Kg J	1	7	41			5/8/19 16:38:44	N	II
1903900-001	Nickel, Total	N/A		Sludge, Solid	0.02 ppm	0.5300 g	26 mg/Kg J	1	11	66			5/8/19 16:38:44	N	II
1903900-001	Potassium, Total	N/A		Sludge, Solid	1.97 ppm	0.5300 g	3200 mg/Kg J	1	200	3300			5/8/19 16:38:44	N	II
1903900-001	Selenium, Total	N/A		Sludge, Solid	0.00 ppm	0.5300 g	16 mg/Kg U	1	9	16			5/8/19 16:38:44	N	II
1903900-001	Zinc, Total	N/A		Sludge, Solid	0.40 ppm	0.5300 g	654 mg/Kg	1	23	33			5/8/19 16:38:44	N	II
1903943-003	Cadmium, Total	N/A		Sludge, Solid	0.00 ppm	0.5500 g	0.45 mg/Kg # U	1	0.08	0.45			5/8/19 16:42:02	N	II
1903943-003	Chromium, Total	N/A		Sludge, Solid	0.05 ppm	0.5500 g	4.47 mg/Kg #	1	0.35	0.91			5/8/19 16:42:02	N	II
1903943-003	Copper, Total	N/A		Sludge, Solid	0.64 ppm	0.5500 g	58.6 mg/Kg #	1	0.7	1.8			5/8/19 16:42:02	N	II
1903943-003	Lead, Total	N/A		Sludge, Solid	0.08 ppm	0.5500 g	7.5 mg/Kg #	1	0.4	4.5			5/8/19 16:42:02	N	II
1903943-003	Molybdenum, Total	N/A		Sludge, Solid	0.01 ppm	0.5500 g	2.3 mg/Kg # U	1	0.4	2.3			5/8/19 16:42:02	N	II
1903943-003	Nickel, Total	N/A		Sludge, Solid	0.02 ppm	0.5500 g	3.6 mg/Kg # U	1	0.7	3.6			5/8/19 16:42:02	N	II
1903943-003	Potassium, Total	N/A		Sludge, Solid	2.07 ppm	0.5500 g	190 mg/Kg #	1	10	180			5/8/19 16:42:02	N	II
1903943-003	Zinc, Total	N/A		Sludge, Solid	1.44 ppm	0.5500 g	131 mg/Kg #	1	1.4	2.0			5/8/19 16:42:02	N	II
1903957-002	Aluminum, Total	N/A		Soil	45.35 ppm	0.5400 g	4840 mg/Kg	1	13	21			5/8/19 16:45:22	Y	IV
1903957-002	Antimony, Total	N/A		Soil	0.00 ppm	0.5400 g	6.4 mg/Kg U	1	0.6	6.4			5/8/19 16:45:22	Y	IV
1903957-002	Arsenic, Total	N/A		Soil	0.09 ppm	0.5400 g	10.0 mg/Kg	1	0.8	1.1			5/8/19 16:45:22	Y	IV
1903957-002	Barium, Total	N/A		Soil	1.04 ppm	0.5400 g	111 mg/Kg	1	1.1	2.1			5/8/19 16:45:22	Y	IV
1903957-002	Beryllium, Total	N/A		Soil	0.00 ppm	0.5400 g	0.32 mg/Kg	1	0.04	0.32			5/8/19 16:45:22	Y	IV
1903957-002	Cadmium, Total	N/A		Soil	0.01 ppm	0.5400 g	0.63 mg/Kg	1	0.08	0.53			5/8/19 16:45:22	Y	IV
1903957-002	Chromium, Total	N/A		Soil	0.11 ppm	0.5400 g	11.7 mg/Kg	1	0.4	1.1			5/8/19 16:45:22	Y	IV
1903957-002	Cobalt, Total	N/A		Soil	0.04 ppm	0.5400 g	3.9 mg/Kg J	1	0.3	5.3			5/8/19 16:45:22	Y	IV
1903957-002	Copper, Total	N/A		Soil	0.97 ppm	0.5400 g	104 mg/Kg	1	0.7	2.1			5/8/19 16:45:22	Y	IV

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

Instrument Name: R-ICP-AES-06 **Analyst:** LHERRING **Analysis Lot:** 634855 **Method/Testcode:** 6010C/Cu T

Lab Code	Target Analytes	QC	Parent Sample	Matrix	Raw Result	Sample Amt.	Final Result	Dil	MDL	PQL	% Rec	% RSD	Date Analyzed	QC?	Tier
R1903957-002	Lead, Total	N/A		Soil	0.70 ppm	0.5400 g	74.4 mg/Kg	1	0.5	5.3			5/8/19 16:45:22	Y	IV
R1903957-002	Magnesium, Total	N/A		Soil	144.91 ppm	0.5400 g	15500 mg/Kg	1	20	110			5/8/19 16:45:22	Y	IV
R1903957-002	Manganese, Total	N/A		Soil	2.96 ppm	0.5400 g	315 mg/Kg	1	1.7	2.1			5/8/19 16:45:22	Y	IV
R1903957-002	Nickel, Total	N/A		Soil	0.09 ppm	0.5400 g	10.0 mg/Kg	1	0.8	4.3			5/8/19 16:45:22	Y	IV
R1903957-002	Potassium, Total	N/A		Soil	9.47 ppm	0.5400 g	1010 mg/Kg	1	20	210			5/8/19 16:45:22	Y	IV
R1903957-002	Selenium, Total	N/A		Soil	0.00 ppm	0.5400 g	1.1 mg/Kg U	1	0.6	1.1			5/8/19 16:45:22	Y	IV
R1903957-002	Silver, Total	N/A		Soil	0.01 ppm	0.5400 g	0.6 mg/Kg J	1	0.08	1.1			5/8/19 16:45:22	Y	IV
R1903957-002	Sodium, Total	N/A		Soil	3.08 ppm	0.5400 g	330 mg/Kg	1	60	110			5/8/19 16:45:22	Y	IV
R1903957-002	Thallium, Total	N/A		Soil	0.01 ppm	0.5400 g	1.0 mg/Kg J	1	0.7	1.1			5/8/19 16:45:22	Y	IV
R1903957-002	Vanadium, Total	N/A		Soil	0.14 ppm	0.5400 g	15.2 mg/Kg	1	0.8	5.3			5/8/19 16:45:22	Y	IV
R1903957-002	Zinc, Total	N/A		Soil	2.00 ppm	0.5400 g	213 mg/Kg	1	1.5	2.1			5/8/19 16:45:22	Y	IV
RQ1904220-04	Aluminum, Total	MS	R1903957-002	Soil	55.25 ppm	0.5500 g	5790 mg/Kg	1	13	21	453* Spk too low		5/8/19 16:48:41	N	IV
RQ1904220-04	Antimony, Total	MS	R1903957-002	Soil	0.36 ppm	0.5500 g	37.9 mg/Kg	1	0.6	6.3	72*		5/8/19 16:48:41	N	IV
RQ1904220-04	Arsenic, Total	MS	R1903957-002	Soil	0.19 ppm	0.5500 g	19.4 mg/Kg	1	0.8	1.0	223*		5/8/19 16:48:41	N	IV
RQ1904220-04	Barium, Total	MS	R1903957-002	Soil	3.38 ppm	0.5500 g	354 mg/Kg	1	1.1	2.1	116		5/8/19 16:48:41	N	IV
RQ1904220-04	Beryllium, Total	MS	R1903957-002	Soil	0.05 ppm	0.5500 g	5.31 mg/Kg	1	0.04	0.31	95		5/8/19 16:48:41	N	IV
RQ1904220-04	Cadmium, Total	MS	R1903957-002	Soil	0.06 ppm	0.5500 g	6.14 mg/Kg	1	0.08	0.52	105		5/8/19 16:48:41	N	IV
RQ1904220-04	Chromium, Total	MS	R1903957-002	Soil	0.33 ppm	0.5500 g	34.1 mg/Kg	1	0.4	1.0	107		5/8/19 16:48:41	N	IV
RQ1904220-04	Cobalt, Total	MS	R1903957-002	Soil	0.51 ppm	0.5500 g	53.6 mg/Kg	1	0.2	5.2	95		5/8/19 16:48:41	N	IV
RQ1904220-04	Copper, Total	MS	R1903957-002	Soil	0.95 ppm	0.5500 g	99.7 mg/Kg	1	0.7	2.1	-16* Spk too low		5/8/19 16:48:41	N	IV
RQ1904220-04	Lead, Total	MS	R1903957-002	Soil	1.37 ppm	0.5500 g	144 mg/Kg	1	0.5	5.2	132*		5/8/19 16:48:41	N	IV
RQ1904220-04	Magnesium, Total	MS	R1903957-002	Soil	122.09 ppm	0.5500 g	12800 mg/Kg	1	20	100	-1275* Spk too low		5/8/19 16:48:41	N	IV
RQ1904220-04	Manganese, Total	MS	R1903957-002	Soil	3.98 ppm	0.5500 g	417 mg/Kg	1	1.6	2.1	193* Spk too low		5/8/19 16:48:41	N	IV
RQ1904220-04	Nickel, Total	MS	R1903957-002	Soil	0.56 ppm	0.5500 g	58.3 mg/Kg	1	0.7	4.2	92		5/8/19 16:48:41	N	IV
RQ1904220-04	Potassium, Total	MS	R1903957-002	Soil	29.74 ppm	0.5500 g	3110 mg/Kg	1	20	210	100		5/8/19 16:48:41	N	IV
RQ1904220-04	Selenium, Total	MS	R1903957-002	Soil	0.97 ppm	0.5500 g	101 mg/Kg	1	0.6	1.0	96		5/8/19 16:48:41	N	IV
RQ1904220-04	Silver, Total	MS	R1903957-002	Soil	0.06 ppm	0.5500 g	5.9 mg/Kg	1	0.08	1.0	102		5/8/19 16:48:41	N	IV
RQ1904220-04	Sodium, Total	MS	R1903957-002	Soil	27.15 ppm	0.5500 g	2840 mg/Kg	1	60	100	120		5/8/19 16:48:41	N	IV
RQ1904220-04	Thallium, Total	MS	R1903957-002	Soil	1.98 ppm	0.5500 g	207 mg/Kg	1	0.7	1.0	98		5/8/19 16:48:41	N	IV
RQ1904220-04	Vanadium, Total	MS	R1903957-002	Soil	0.66 ppm	0.5500 g	69.5 mg/Kg	1	0.8	5.2	104		5/8/19 16:48:41	N	IV
RQ1904220-04	Zinc, Total	MS	R1903957-002	Soil	2.87 ppm	0.5500 g	301 mg/Kg	1	1.5	2.1	168* Spk too low		5/8/19 16:48:41	N	IV
RQ1904220-05	Aluminum, Total	DMS	R1903957-002	Soil	52.22 ppm	0.5400 g	5570 mg/Kg	1	13	21	343* Spk too low	4	5/8/19 16:52:00	N	IV
RQ1904220-05	Antimony, Total	DMS	R1903957-002	Soil	0.38 ppm	0.5400 g	40.5 mg/Kg	1	0.6	6.4	76	7	5/8/19 16:52:00	N	IV
RQ1904220-05	Arsenic, Total	DMS	R1903957-002	Soil	0.17 ppm	0.5400 g	17.8 mg/Kg	1	0.8	1.1	183*	8	5/8/19 16:52:00	N	IV
RQ1904220-05	Barium, Total	DMS	R1903957-002	Soil	3.06 ppm	0.5400 g	326 mg/Kg	1	1.1	2.1	101	8	5/8/19 16:52:00	N	IV
RQ1904220-05	Beryllium, Total	DMS	R1903957-002	Soil	0.05 ppm	0.5400 g	5.48 mg/Kg	1	0.04	0.32	97	3	5/8/19 16:52:00	N	IV

i indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

Instrument Name: R-ICP-AES-06 **Analyst:** LHERRING **Analysis Lot:** 634855 **Method/Testcode:** 6010C/Be T

Lab Code	Target Analytes	QC	Parent Sample	Matrix	Raw Result	Sample Amt.	Final Result	Dil	MDL	PQL	% Rec	% RSD	Date Analyzed	QC?	Tier
1Q1904220-05	Cadmium, Total	DMS	R1903957-002	Soil	0.05 ppm	0.5400 g	5.74 mg/Kg	1	0.08	0.53	96	7	5/8/19 16:52:00	N	IV
1Q1904220-05	Chromium, Total	DMS	R1903957-002	Soil	0.31 ppm	0.5400 g	33.3 mg/Kg	1	0.4	1.1	101	2	5/8/19 16:52:00	N	IV
1Q1904220-05	Cobalt, Total	DMS	R1903957-002	Soil	0.51 ppm	0.5400 g	54.8 mg/Kg	1	0.3	5.3	95	2	5/8/19 16:52:00	N	IV
1Q1904220-05	Copper, Total	DMS	R1903957-002	Soil	1.08 ppm	0.5400 g	115 mg/Kg	1	0.7	2.1	41*	14	5/8/19 16:52:00	N	IV
1Q1904220-05	Lead, Total	DMS	R1903957-002	Soil	1.33 ppm	0.5400 g	142 mg/Kg	1	0.5	5.3	126*	2	5/8/19 16:52:00	N	IV
1Q1904220-05	Magnesium, Total	DMS	R1903957-002	Soil	120.02 ppm	0.5400 g	12800 mg/Kg	1	20	110	-1244*	<1	5/8/19 16:52:00	N	IV
1Q1904220-05	Manganese, Total	DMS	R1903957-002	Soil	3.12 ppm	0.5400 g	333 mg/Kg	1	1.7	2.1	33*	22*	5/8/19 16:52:00	N	IV
1Q1904220-05	Nickel, Total	DMS	R1903957-002	Soil	0.56 ppm	0.5400 g	59.8 mg/Kg	1	0.8	4.3	93	3	5/8/19 16:52:00	N	IV
1Q1904220-05	Potassium, Total	DMS	R1903957-002	Soil	29.69 ppm	0.5400 g	3170 mg/Kg	1	20	210	101	2	5/8/19 16:52:00	N	IV
1Q1904220-05	Selenium, Total	DMS	R1903957-002	Soil	0.97 ppm	0.5400 g	103 mg/Kg	1	0.6	1.1	96	2	5/8/19 16:52:00	N	IV
1Q1904220-05	Silver, Total	DMS	R1903957-002	Soil	0.05 ppm	0.5400 g	5.9 mg/Kg	1	0.08	1.1	99	<1	5/8/19 16:52:00	N	IV
1Q1904220-05	Sodium, Total	DMS	R1903957-002	Soil	23.74 ppm	0.5400 g	2530 mg/Kg	1	60	110	103	12	5/8/19 16:52:00	N	IV
1Q1904220-05	Thallium, Total	DMS	R1903957-002	Soil	1.96 ppm	0.5400 g	209 mg/Kg	1	0.7	1.1	98	1	5/8/19 16:52:00	N	IV
1Q1904220-05	Vanadium, Total	DMS	R1903957-002	Soil	0.64 ppm	0.5400 g	67.8 mg/Kg	1	0.8	5.3	99	3	5/8/19 16:52:00	N	IV
1Q1904220-05	Zinc, Total	DMS	R1903957-002	Soil	3.04 ppm	0.5400 g	325 mg/Kg	1	1.5	2.1	209*	8	5/8/19 16:52:00	N	IV
1903957-004	Aluminum, Total	N/A		Soil	46.15 ppm	0.5200 g	4830 mg/Kg	1	13	21			5/8/19 17:08:33	N	IV
1903957-004	Antimony, Total	N/A		Soil	0.00 ppm	0.5200 g	6.3 mg/Kg U	1	0.6	6.3			5/8/19 17:08:33	N	IV
1903957-004	Arsenic, Total	N/A		Soil	0.06 ppm	0.5200 g	6.3 mg/Kg	1	0.8	1.0			5/8/19 17:08:33	N	IV
1903957-004	Barium, Total	N/A		Soil	1.60 ppm	0.5200 g	167 mg/Kg	1	1.1	2.1			5/8/19 17:08:33	N	IV
1903957-004	Beryllium, Total	N/A		Soil	0.00 ppm	0.5200 g	0.28 mg/Kg J	1	0.04	0.31			5/8/19 17:08:33	N	IV
1903957-004	Cadmium, Total	N/A		Soil	0.01 ppm	0.5200 g	0.68 mg/Kg	1	0.08	0.52			5/8/19 17:08:33	N	IV
1903957-004	Chromium, Total	N/A		Soil	0.07 ppm	0.5200 g	7.5 mg/Kg	1	0.4	1.0			5/8/19 17:08:33	N	IV
1903957-004	Cobalt, Total	N/A		Soil	0.03 ppm	0.5200 g	3.4 mg/Kg J	1	0.2	5.2			5/8/19 17:08:33	N	IV
1903957-004	Copper, Total	N/A		Soil	0.15 ppm	0.5200 g	16.0 mg/Kg	1	0.7	2.1			5/8/19 17:08:33	N	IV
1903957-004	Lead, Total	N/A		Soil	0.63 ppm	0.5200 g	65.9 mg/Kg	1	0.5	5.2			5/8/19 17:08:33	N	IV
1903957-004	Magnesium, Total	N/A		Soil	281.87 ppm	0.5200 g	29500 mg/Kg	1	20	100			5/8/19 17:08:33	N	IV
1903957-004	Manganese, Total	N/A		Soil	2.47 ppm	0.5200 g	259 mg/Kg	1	1.6	2.1			5/8/19 17:08:33	N	IV
1903957-004	Nickel, Total	N/A		Soil	0.08 ppm	0.5200 g	8.5 mg/Kg	1	0.7	4.2			5/8/19 17:08:33	N	IV
1903957-004	Potassium, Total	N/A		Soil	11.71 ppm	0.5200 g	1230 mg/Kg	1	20	210			5/8/19 17:08:33	N	IV
1903957-004	Selenium, Total	N/A		Soil	-0.01 ppm	0.5200 g	1.0 mg/Kg U	1	0.6	1.0			5/8/19 17:08:33	N	IV
1903957-004	Silver, Total	N/A		Soil	0.01 ppm	0.5200 g	1.4 mg/Kg	1	0.08	1.0			5/8/19 17:08:33	N	IV
1903957-004	Sodium, Total	N/A		Soil	3.22 ppm	0.5200 g	340 mg/Kg	1	60	100			5/8/19 17:08:33	N	IV
1903957-004	Thallium, Total	N/A		Soil	0.02 ppm	0.5200 g	1.7 mg/Kg	1	0.7	1.0			5/8/19 17:08:33	N	IV
1903957-004	Vanadium, Total	N/A		Soil	0.14 ppm	0.5200 g	14.3 mg/Kg	1	0.8	5.2			5/8/19 17:08:33	N	IV
1903957-004	Zinc, Total	N/A		Soil	2.28 ppm	0.5200 g	238 mg/Kg	1	1.5	2.1			5/8/19 17:08:33	N	IV
1903957-007	Aluminum, Total	N/A		Soil	66.41 ppm	0.5400 g	7290 mg/Kg	1	14	22			5/8/19 17:11:51	N	IV

* indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

Instrument Name: R-ICP-AES-06 **Analyst:** LHERRING **Analysis Lot:** 634855 **Method/Testcode:** 6010C/Al T

Lab Code	Target Analytes	QC	Parent Sample	Matrix	Raw Result	Sample Amt	Final Result	Dil	MDL	PQL	% Rec	% RSD	Date Analyzed	QC?	Tier
1903957-007	Antimony, Total	N/A		Soil	0.00 ppm	0.5400 g	6.6 mg/Kg U	1	0.6	6.6			5/8/19 17:11:51	N	IV
1903957-007	Arsenic, Total	N/A		Soil	0.06 ppm	0.5400 g	6.1 mg/Kg	1	0.8	1.1			5/8/19 17:11:51	N	IV
1903957-007	Barium, Total	N/A		Soil	0.56 ppm	0.5400 g	61.7 mg/Kg	1	1.1	2.2			5/8/19 17:11:51	N	IV
1903957-007	Beryllium, Total	N/A		Soil	0.00 ppm	0.5400 g	0.31 mg/Kg J	1	0.04	0.33			5/8/19 17:11:51	N	IV
1903957-007	Cadmium, Total	N/A		Soil	0.00 ppm	0.5400 g	0.41 mg/Kg J	1	0.09	0.55			5/8/19 17:11:51	N	IV
1903957-007	Calcium, Total	N/A		Soil	125.33 ppm	0.5400 g	13800 mg/Kg	1	40	110			5/8/19 17:11:51	N	IV
1903957-007	Chromium, Total	N/A		Soil	0.08 ppm	0.5400 g	8.8 mg/Kg	1	0.4	1.1			5/8/19 17:11:51	N	IV
1903957-007	Cobalt, Total	N/A		Soil	0.04 ppm	0.5400 g	4.5 mg/Kg J	1	0.3	5.5			5/8/19 17:11:51	N	IV
1903957-007	Copper, Total	N/A		Soil	0.18 ppm	0.5400 g	19.4 mg/Kg	1	0.7	2.2			5/8/19 17:11:51	N	IV
1903957-007	Lead, Total	N/A		Soil	2.80 ppm	0.5400 g	308 mg/Kg	1	0.5	5.5			5/8/19 17:11:51	N	IV
1903957-007	Magnesium, Total	N/A		Soil	43.21 ppm	0.5400 g	4750 mg/Kg	1	20	110			5/8/19 17:11:51	N	IV
1903957-007	Manganese, Total	N/A		Soil	1.50 ppm	0.5400 g	164 mg/Kg	1	1.7	2.2			5/8/19 17:11:51	N	IV
1903957-007	Nickel, Total	N/A		Soil	0.07 ppm	0.5400 g	7.8 mg/Kg	1	0.8	4.4			5/8/19 17:11:51	N	IV
1903957-007	Potassium, Total	N/A		Soil	6.09 ppm	0.5400 g	670 mg/Kg	1	20	220			5/8/19 17:11:51	N	IV
1903957-007	Selenium, Total	N/A		Soil	0.00 ppm	0.5400 g	1.1 mg/Kg U	1	0.6	1.1			5/8/19 17:11:51	N	IV
1903957-007	Silver, Total	N/A		Soil	0.00 ppm	0.5400 g	0.3 mg/Kg J	1	0.08	1.1			5/8/19 17:11:51	N	IV
1903957-007	Sodium, Total	N/A		Soil	1.50 ppm	0.5400 g	160 mg/Kg	1	60	110			5/8/19 17:11:51	N	IV
1903957-007	Thallium, Total	N/A		Soil	0.00 ppm	0.5400 g	1.1 mg/Kg U	1	0.8	1.1			5/8/19 17:11:51	N	IV
1903957-007	Vanadium, Total	N/A		Soil	0.13 ppm	0.5400 g	13.8 mg/Kg	1	0.8	5.5			5/8/19 17:11:51	N	IV
1903957-007	Zinc, Total	N/A		Soil	0.74 ppm	0.5400 g	81.1 mg/Kg	1	1.6	2.2			5/8/19 17:11:51	N	IV
1903957-008	Aluminum, Total	N/A		Soil	43.92 ppm	0.5 g	4750 mg/Kg	1	13	22			5/8/19 17:15:10	N	IV
1903957-008	Antimony, Total	N/A		Soil	0.00 ppm	0.5 g	6.5 mg/Kg U	1	0.6	6.5			5/8/19 17:15:10	N	IV
1903957-008	Arsenic, Total	N/A		Soil	0.03 ppm	0.5 g	3.5 mg/Kg	1	0.8	1.1			5/8/19 17:15:10	N	IV
1903957-008	Barium, Total	N/A		Soil	0.21 ppm	0.5 g	22.4 mg/Kg	1	1.1	2.2			5/8/19 17:15:10	N	IV
1903957-008	Beryllium, Total	N/A		Soil	0.00 ppm	0.5 g	0.22 mg/Kg J	1	0.04	0.32			5/8/19 17:15:10	N	IV
1903957-008	Cadmium, Total	N/A		Soil	0.01 ppm	0.5 g	0.77 mg/Kg	1	0.08	0.54			5/8/19 17:15:10	N	IV
1903957-008	Calcium, Total	N/A		Soil	140.1341 ~~1421.21~~ ppm	0.5 g	152000 ~~159000~~ mg/Kg	10	40	110	18:37:56		5/8/19 ~~17:15:10~~	N	IV
1903957-008	Chromium, Total	N/A		Soil	0.06 ppm	0.5 g	6.6 mg/Kg	1	0.4	1.1			5/8/19 17:15:10	N	IV
1903957-008	Cobalt, Total	N/A		Soil	0.03 ppm	0.5 g	3.4 mg/Kg J	1	0.3	5.4			5/8/19 17:15:10	N	IV
1903957-008	Copper, Total	N/A		Soil	0.13 ppm	0.5 g	13.7 mg/Kg	1	0.7	2.2			5/8/19 17:15:10	N	IV
1903957-008	Lead, Total	N/A		Soil	0.12 ppm	0.5 g	13.1 mg/Kg	1	0.5	5.4			5/8/19 17:15:10	N	IV
1903957-008	Magnesium, Total	N/A		Soil	445.67 ppm	0.5 g	48200 mg/Kg	1	20	110			5/8/19 17:15:10	N	IV
1903957-008	Manganese, Total	N/A		Soil	5.82 ppm	0.5 g	630 mg/Kg	1	1.7	2.2			5/8/19 17:15:10	N	IV
1903957-008	Nickel, Total	N/A		Soil	0.07 ppm	0.5 g	7.2 mg/Kg	1	0.8	4.3			5/8/19 17:15:10	N	IV
1903957-008	Potassium, Total	N/A		Soil	13.70 ppm	0.5 g	1480 mg/Kg	1	20	220			5/8/19 17:15:10	N	IV
1903957-008	Selenium, Total	N/A		Soil	0.00 ppm	0.5 g	1.1 mg/Kg U	1	0.6	1.1			5/8/19 17:15:10	N	IV

CH5/9/19

i indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

Instrument Name: R-ICP-AES-06 **Analyst:** LHERRING **Analysis Lot:** 634855 **Method/Testcode:** 6010C/Se T

Lab Code	Target Analytes	QC	Parent Sample	Matrix	Raw Result	Sample Amt	Final Result	Dil	MDL	PQL	% Rec	% RSD	Date Analyzed	QC?	Tier
1903957-008	Silver, Total	N/A		Soil	0.00 ppm	0.5 g	1.1 mg/Kg U	1	0.08	1.1			5/8/19 17:15:10	N	IV
1903957-008	Sodium, Total	N/A		Soil	1.58 ppm	0.5 g	170 mg/Kg	1	60	110			5/8/19 17:15:10	N	IV
1903957-008	Thallium, Total	N/A		Soil	0.04 ppm	0.5 g	3.9 mg/Kg	1	0.8	1.1			5/8/19 17:15:10	N	IV
1903957-008	Vanadium, Total	N/A		Soil	0.09 ppm	0.5 g	9.7 mg/Kg	1	0.8	5.4			5/8/19 17:15:10	N	IV
1903957-008	Zinc, Total	N/A		Soil	0.53 ppm	0.5 g	57.1 mg/Kg	1	1.6	2.2			5/8/19 17:15:10	N	IV
1903959-003	Arsenic, Total	N/A		Soil	0.06 ppm	0.5300 g	6.9 mg/Kg	1	0.8	1.1			5/8/19 17:18:28	N	IV
1903959-003	Barium, Total	N/A		Soil	1.08 ppm	0.5300 g	121 mg/Kg	1	1.1	2.2			5/8/19 17:18:28	N	IV
1903959-003	Cadmium, Total	N/A		Soil	0.01 ppm	0.5300 g	0.81 mg/Kg	1	0.09	0.56			5/8/19 17:18:28	N	IV
1903959-003	Chromium, Total	N/A		Soil	0.12 ppm	0.5300 g	13.6 mg/Kg	1	0.4	1.1			5/8/19 17:18:28	N	IV
1903959-003	Lead, Total	N/A		Soil	1.53 ppm	0.5300 g	170 mg/Kg	1	0.5	5.6			5/8/19 17:18:28	N	IV
1903959-003	Selenium, Total	N/A		Soil	0.00 ppm	0.5300 g	1.1 mg/Kg U	1	0.7	1.1			5/8/19 17:18:28	N	IV
1903959-003	Silver, Total	N/A		Soil	0.00 ppm	0.5300 g	0.2 mg/Kg J	1	0.08	1.1			5/8/19 17:18:28	N	IV
1903959-005	Arsenic, Total	N/A		Soil	0.03 ppm	0.5200 g	3.2 mg/Kg	1	0.8	1.1			5/8/19 17:21:47	N	IV
1903959-005	Barium, Total	N/A		Soil	0.45 ppm	0.5200 g	50.7 mg/Kg	1	1.1	2.2			5/8/19 17:21:47	N	IV
1903959-005	Cadmium, Total	N/A		Soil	0.00 ppm	0.5200 g	0.23 mg/Kg J	1	0.09	0.56			5/8/19 17:21:47	N	IV
1903959-005	Chromium, Total	N/A		Soil	0.07 ppm	0.5200 g	8.0 mg/Kg	1	0.4	1.1			5/8/19 17:21:47	N	IV
1903959-005	Lead, Total	N/A		Soil	0.57 ppm	0.5200 g	63.3 mg/Kg	1	0.5	5.6			5/8/19 17:21:47	N	IV
1903959-005	Selenium, Total	N/A		Soil	0.00 ppm	0.5200 g	1.1 mg/Kg U	1	0.7	1.1			5/8/19 17:21:47	N	IV
1903959-005	Silver, Total	N/A		Soil	0.00 ppm	0.5200 g	1.1 mg/Kg U	1	0.08	1.1			5/8/19 17:21:47	N	IV
1903959-008	Arsenic, Total	N/A		Soil	0.06 ppm	0.5200 g	7.1 mg/Kg	1	0.8	1.1			5/8/19 17:25:06	N	IV
1903959-008	Barium, Total	N/A		Soil	0.47 ppm	0.5200 g	53.1 mg/Kg	1	1.2	2.3			5/8/19 17:25:06	N	IV
1903959-008	Cadmium, Total	N/A		Soil	0.00 ppm	0.5200 g	0.32 mg/Kg J	1	0.09	0.57			5/8/19 17:25:06	N	IV
1903959-008	Chromium, Total	N/A		Soil	0.08 ppm	0.5200 g	9.5 mg/Kg	1	0.4	1.1			5/8/19 17:25:06	N	IV
1903959-008	Lead, Total	N/A		Soil	0.81 ppm	0.5200 g	92.2 mg/Kg	1	0.5	5.7			5/8/19 17:25:06	N	IV
1903959-008	Selenium, Total	N/A		Soil	0.00 ppm	0.5200 g	1.1 mg/Kg U	1	0.7	1.1			5/8/19 17:25:06	N	IV
1903959-008	Silver, Total	N/A		Soil	0.00 ppm	0.5200 g	1.1 mg/Kg U	1	0.09	1.1			5/8/19 17:25:06	N	IV
1903959-010	Arsenic, Total	N/A		Soil	0.02 ppm	0.5100 g	2.5 mg/Kg	1	0.8	1.1			5/8/19 17:28:25	N	IV
1903959-010	Barium, Total	N/A		Soil	0.23 ppm	0.5100 g	25.6 mg/Kg	1	1.1	2.2			5/8/19 17:28:25	N	IV
1903959-010	Cadmium, Total	N/A		Soil	0.00 ppm	0.5100 g	0.17 mg/Kg J	1	0.09	0.56			5/8/19 17:28:25	N	IV
1903959-010	Chromium, Total	N/A		Soil	0.05 ppm	0.5100 g	6.1 mg/Kg	1	0.4	1.1			5/8/19 17:28:25	N	IV
1903959-010	Lead, Total	N/A		Soil	0.05 ppm	0.5100 g	5.1 mg/Kg J	1	0.5	5.6			5/8/19 17:28:25	N	IV
1903959-010	Selenium, Total	N/A		Soil	0.00 ppm	0.5100 g	1.1 mg/Kg U	1	0.7	1.1			5/8/19 17:28:25	N	IV
1903959-010	Silver, Total	N/A		Soil	0.00 ppm	0.5100 g	1.1 mg/Kg U	1	0.08	1.1			5/8/19 17:28:25	N	IV
1903967-001	Arsenic, Total	N/A		Soil	0.05 ppm	0.5 g	5.8 mg/Kg	1	0.8	1.1			5/8/19 17:35:03	N	II
1903967-001	Chromium, Total	N/A		Soil	0.12 ppm	0.5 g	13.4 mg/Kg	1	0.4	1.1			5/8/19 17:35:03	N	II
1903967-001	Lead, Total	N/A		Soil	0.11 ppm	0.5 g	12.1 mg/Kg	1	0.5	5.5			5/8/19 17:35:03	N	II

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

Instrument Name: R-ICP-AES-06 **Analyst:** LHERRING **Analysis Lot:** 634855 **Method/Testcode:** 6010C/Pb T

Lab Code	Target Analytes	QC	Parent Sample	Matrix	Raw Result	Sample Amt.	Final Result	Dil	MDL	PQL	% Rec	% RSD	Date Analyzed	QC?	Tier
1903967-002	Arsenic, Total	N/A		Soil	0.06 ppm	0.5500 g	6.23 mg/Kg	1	0.70	1.0			5/8/19 17:38:22	N	II
1903967-002	Chromium, Total	N/A		Soil	0.14 ppm	0.5500 g	13.8 mg/Kg	1	0.35	1.0			5/8/19 17:38:22	N	II
1903967-002	Lead, Total	N/A		Soil	0.12 ppm	0.5500 g	12.4 mg/Kg	1	0.4	5.0			5/8/19 17:38:22	N	II
1903967-003	Arsenic, Total	N/A		Soil	0.05 ppm	0.5200 g	4.7 mg/Kg	1	0.8	1.1			5/8/19 17:48:16	N	II
1903967-003	Chromium, Total	N/A		Soil	0.07 ppm	0.5200 g	7.7 mg/Kg	1	0.4	1.1			5/8/19 17:48:16	N	II
1903967-003	Lead, Total	N/A		Soil	0.73 ppm	0.5200 g	76.8 mg/Kg	1	0.5	5.3			5/8/19 17:48:16	N	II
1903967-004	Arsenic, Total	N/A		Soil	0.06 ppm	0.5500 g	6.0 mg/Kg	1	0.8	1.1			5/8/19 17:51:35	N	II
1903967-004	Chromium, Total	N/A		Soil	0.22 ppm	0.5500 g	23.3 mg/Kg	1	0.4	1.1			5/8/19 17:51:35	N	II
1903967-004	Lead, Total	N/A		Soil	0.19 ppm	0.5500 g	20.0 mg/Kg	1	0.5	5.3			5/8/19 17:51:35	N	II
1903967-005	Arsenic, Total	N/A		Soil	0.04 ppm	0.5300 g	4.7 mg/Kg	1	0.8	1.1			5/8/19 17:54:53	N	II
1903967-005	Chromium, Total	N/A		Soil	0.14 ppm	0.5300 g	14.6 mg/Kg	1	0.4	1.1			5/8/19 17:54:53	N	II
1903967-005	Lead, Total	N/A		Soil	0.16 ppm	0.5300 g	17.9 mg/Kg	1	0.5	5.4			5/8/19 17:54:53	N	II
1903967-006	Arsenic, Total	N/A		Soil	0.04 ppm	0.5200 g	4.2 mg/Kg	1	0.8	1.0			5/8/19 17:58:11	N	II
1903967-006	Chromium, Total	N/A		Soil	0.11 ppm	0.5200 g	10.6 mg/Kg	1	0.4	1.0			5/8/19 17:58:11	N	II
1903967-006	Lead, Total	N/A		Soil	0.08 ppm	0.5200 g	8.1 mg/Kg	1	0.5	5.1			5/8/19 17:58:11	N	II
1903967-009	Arsenic, Total	N/A		Soil	0.06 ppm	0.5 g	6.5 mg/Kg	1	0.8	1.1			5/8/19 18:01:29	N	II
1903967-009	Barium, Total	N/A		Soil	0.47 ppm	0.5 g	49.3 mg/Kg	1	1.1	2.1			5/8/19 18:01:29	N	II
1903967-009	Cadmium, Total	N/A		Soil	0.00 ppm	0.5 g	0.53 mg/Kg U	1	0.08	0.53			5/8/19 18:01:29	N	II
1903967-009	Chromium, Total	N/A		Soil	0.08 ppm	0.5 g	8.7 mg/Kg	1	0.4	1.1			5/8/19 18:01:29	N	II
1903967-009	Lead, Total	N/A		Soil	0.09 ppm	0.5 g	9.7 mg/Kg	1	0.5	5.3			5/8/19 18:01:29	N	II
1903967-009	Selenium, Total	N/A		Soil	0.00 ppm	0.5 g	1.1 mg/Kg U	1	0.6	1.1			5/8/19 18:01:29	N	II
1903967-009	Silver, Total	N/A		Soil	0.00 ppm	0.5 g	1.1 mg/Kg U	1	0.08	1.1			5/8/19 18:01:29	N	II
1903967-010	Arsenic, Total	N/A		Soil	0.08 ppm	0.5100 g	8.5 mg/Kg	1	0.8	1.1			5/8/19 18:04:48	N	II
1903967-010	Barium, Total	N/A		Soil	0.78 ppm	0.5100 g	87.6 mg/Kg	1	1.1	2.2			5/8/19 18:04:48	N	II
1903967-010	Cadmium, Total	N/A		Soil	0.00 ppm	0.5100 g	0.56 mg/Kg U	1	0.09	0.56			5/8/19 18:04:48	N	II
1903967-010	Chromium, Total	N/A		Soil	0.13 ppm	0.5100 g	15.0 mg/Kg	1	0.4	1.1			5/8/19 18:04:48	N	II
1903967-010	Lead, Total	N/A		Soil	0.20 ppm	0.5100 g	22.0 mg/Kg	1	0.5	5.6			5/8/19 18:04:48	N	II
1903967-010	Selenium, Total	N/A		Soil	0.02 ppm	0.5100 g	1.8 mg/Kg	1	0.7	1.1			5/8/19 18:04:48	N	II
1903967-010	Silver, Total	N/A		Soil	0.00 ppm	0.5100 g	1.1 mg/Kg U	1	0.08	1.1			5/8/19 18:04:48	N	II
1903957-002	Calcium, Total	N/A		Soil	42.25 ppm	0.5400 g	45100 mg/Kg	10	400	1100			5/8/19 18:08:07	Y	IV
1903957-002	Iron, Total	N/A		Soil	11.44 ppm	0.5400 g	12200 mg/Kg	10	140	210			5/8/19 18:08:07	Y	IV
Q1904220-04	Calcium, Total	MS	R1903957-002	Soil	36.79 ppm	0.5500 g	38500 mg/Kg	10	400	1000	-3122*		5/8/19 18:11:26	N	IV
Q1904220-04	Iron, Total	MS	R1903957-002	Soil	34.06 ppm	0.5500 g	35700 mg/Kg	10	140	210	22417*		5/8/19 18:11:26	N	IV
Q1904220-05	Calcium, Total	DMS	R1903957-002	Soil	33.81 ppm	0.5400 g	36100 mg/Kg	10	400	1100	-4221*	7	5/8/19 18:14:45	N	IV
Q1904220-05	Iron, Total	DMS	R1903957-002	Soil	13.59 ppm	0.5400 g	14500 mg/Kg	10	140	210	2158*	84*	5/8/19 18:14:45	N	IV
1903957-004	Calcium, Total	N/A		Soil	69.96 ppm	0.5200 g	73200 mg/Kg	10	400	1000			5/8/19 18:31:19	N	IV

SA too low

* indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

Instrument Name: R-ICP-AES-06 **Analyst:** LHERRING **Analysis Lot:** 634855 **Method/Testcode:** 6010C/Ca T

Lab Code	Target Analytes	QC	Parent Sample	Matrix	Raw Result	Sample Amt	Final Result	Dil	MDL	PQL	% Rec	% RSD	Date Analyzed	QC?	Tier
1903957-004	Iron, Total	N/A		Soil	10.92 ppm	0.5200 g	11400 mg/Kg	10	140	210			5/8/19 18:31:19	N	IV
1903957-007	Iron, Total	N/A		Soil	10.78 ppm	0.5400 g	11800 mg/Kg	10	150	220			5/8/19 18:34:38	N	IV
1903957-008	Iron, Total	N/A		Soil	9.08 ppm	0.5 g	9830 mg/Kg	10	150	220			5/8/19 18:37:56	N	IV

indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Metals Cover Page

Analyst: KSM Date: 5/7/19 Instrument: FIMS II

Data File: MA507-S Reviewed By: KSM Entered By: KSM

Starlims Run #	Analytes Used	Batch ID	Method	Failed Analytes	Repeats
634697	Hg	336079 336200	7471B		

Perkin Elmer FIMS Run Log

Serial number: 101S12110203

Analyst: KSM

Data File: MAY07-S

Date Prepped: 5/7/19

Date Analyzed: 5/7/19

Lot #:

Calibration/CRDL Source Standard: M7600008W

ICV/CCV/LCS/MS Source Standard: M7600007N

Cal/ CRDL 10ppm stock: M7840090A

ICV/CCV/LCS/MS 10ppm stock: M7840040A

Cal/ CRDL 0.1ppm stock: M7840090C

ICV/CCV/LCS/MS 0.1 ppm stock: M7840040C

Pipet ID: M15, M23, M28

DOD Pipet Verification: —

1		Calib Blank	98	PBS-336079	8	QC	CCV
2		0.2ppb std	99	LCSS-336079	1	QC	CCB
3		0.5ppb std	100	LOD	138		R1903957-002 RPT
4		1.0ppb std	101	LOQ	139		R1903957-002S RPT
5		2.0ppb std	102	R1903900-001	140		R1903957-002SD RPT
6		5.0ppb std	103	R1903943-003	8	QC	CCV
7		10.0ppb std	104	R1903954-001	1	QC	CCB
8	QC	ICV	105	R1903954-003	114		R1903957-008
1	QC	ICB	8	CCV	115		R1903959-003
2	QC	MRL	1	CCB	116		R1903959-005
8	QC	CCV	106	R1903954-006	117		R1903959-008
1	QC	CCB	107	R1903954-008	118		R1903959-010
			108	R1903954-010	119		R1903967-009
			109	R1903957-002	120		R1903967-010
			110	R1903957-002S	2	QC	MRL
			111	R1903957-002SD	8	QC	CCV
			112	R1903957-004	1	QC	CCB
			113	R1903957-007	121		Sample121
			8	QC CCV			
			1	QC CCB			
			114	R1903957-008			
			115	R1903959-003			
			116	R1903959-005			
			117	R1903959-008			
			118	R1903959-010			
			119	R1903967-009			
			120	R1903967-010			
			2	QC MRL			
			8	QC CCV			
			1	QC CCB			
			121	Sample121			

DO NOT USE

KSM 5/7/19

KSM 5/7/19

Analysis Begun

Logged In Analyst: ALRCE Metals01 Technique: AA FIMS-MHS
Spectrometer: FIMS-100, S/N B050-9550 Autosampler: S10

Sample Information File: C:\Users\Public\PerkinElmer\AA\Data\Sample Information\Routine.sif
Batch ID:
Results Data Set: MAY07-S
Results Library: C:\Users\Public\PerkinElmer\AA\Data\Results\MAY19.mdb

Sequence No.: 1 Autosampler Location: 1
Sample ID: Calib Blank Date Collected: 5/7/2019 3:40:30 PM
Analyst: Data Type: Original

Replicate Data: Calib Blank Analyte: Hg 253.7

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[0.00]	0.0009	0.0045	0.0009	3:41:19 PM	Yes
2		[0.00]	0.0010	0.0049	0.0010	3:41:48 PM	Yes
Mean:		[0.00]	0.0010				
SD:		0.0000	0.0000				
%RSD:		0.00%	2.11				

Auto-zero performed.

Sequence No.: 2 Autosampler Location: 2
Sample ID: 0.2ppb std Date Collected: 5/7/2019 3:42:06 PM
Analyst: Data Type: Original

Replicate Data: 0.2ppb std Analyte: Hg 253.7

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[0.2]	0.0031	0.0173	0.0040	3:42:56 PM	Yes
2		[0.2]	0.0031	0.0182	0.0041	3:43:25 PM	Yes
Mean:		[0.2]	0.0031				
SD:		0.000	0.0000				
%RSD:		0.00%	1.24				

Standard number 1 applied. [0.2]
Correlation Coef.: 1.000000 Slope: 0.01549 Intercept: 0.00000

Sequence No.: 3 Autosampler Location: 3
Sample ID: 0.5ppb std Date Collected: 5/7/2019 3:43:43 PM
Analyst: Data Type: Original

Replicate Data: 0.5ppb std Analyte: Hg 253.7

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[0.5]	0.0086	0.0431	0.0096	3:44:33 PM	Yes
2		[0.5]	0.0084	0.0419	0.0094	3:45:02 PM	Yes
Mean:		[0.5]	0.0085				
SD:		0.000	0.0001				
%RSD:		0.00%	1.57				

Standard number 2 applied. [0.5]
Correlation Coef.: 0.996924 Slope: 0.01680 Intercept: 0.00000

Sequence No.: 4 Autosampler Location: 4
Sample ID: 1.0ppb std Date Collected: 5/7/2019 3:45:22 PM
Analyst: Data Type: Original

Replicate Data: 1.0ppb std Analyte: Hg 253.7

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored

1	[1.0]	0.0176	0.0841	0.0185	3:46:12 PM	Yes
2	[1.0]	0.0173	0.0817	0.0183	3:46:41 PM	Yes
Mean:	[1.0]	0.0175				
SD:	0.000	0.0002				
%RSD:	0.00%	0.92				

Standard number 3 applied. [1.0]
Correlation Coef.: 0.999080 Slope: 0.01731 Intercept: 0.00000

Sequence No.: 5 **Autosampler Location: 5**
Sample ID: 2.0ppb std **Date Collected: 5/7/2019 3:47:00 PM**
Analyst: **Data Type: Original**

Replicate Data: 2.0ppb std **Analyte: Hg 253.7**

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[2.0]	0.0326	0.1534	0.0336	3:47:51 PM	Yes
2		[2.0]	0.0322	0.1500	0.0332	3:48:20 PM	Yes
Mean:		[2.0]	0.0324				
SD:		0.000	0.0003				
%RSD:		0.00%	0.87				

Standard number 4 applied. [2.0]
Correlation Coef.: 0.998646 Slope: 0.01648 Intercept: 0.00000

Sequence No.: 6 **Autosampler Location: 6**
Sample ID: 5.0ppb std **Date Collected: 5/7/2019 3:48:40 PM**
Analyst: **Data Type: Original**

Replicate Data: 5.0ppb std **Analyte: Hg 253.7**

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[5.0]	0.0903	0.4125	0.0913	3:49:29 PM	Yes
2		[5.0]	0.0898	0.4095	0.0908	3:49:58 PM	Yes
Mean:		[5.0]	0.0901				
SD:		0.000	0.0004				
%RSD:		0.00%	0.40				

Standard number 5 applied. [5.0]
Correlation Coef.: 0.998759 Slope: 0.01777 Intercept: 0.00000

Sequence No.: 7 **Autosampler Location: 7**
Sample ID: 10.0ppb std **Date Collected: 5/7/2019 3:50:16 PM**
Analyst: **Data Type: Original**

Replicate Data: 10.0ppb std **Analyte: Hg 253.7**

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[10.0]	0.1740	0.7940	0.1750	3:51:05 PM	Yes
2		[10.0]	0.1721	0.7840	0.1730	3:51:34 PM	Yes
Mean:		[10.0]	0.1730				
SD:		0.000	0.0014				
%RSD:		0.00%	0.80				

Standard number 6 applied. [10.0]
Correlation Coef.: 0.999624 Slope: 0.01741 Intercept: 0.00000
The calibration curve may not be linear.

Calibration data for Hg 253.7 **Equation: Linear Through Zero**

ID	Mean Signal (Abs)	Entered Conc. ug/L	Calculated Conc. ug/L	Standard Deviation	%RSD
Calib Blank	0.0000	0	0.000	0.00	2.11
0.2ppb std	0.0031	0.2	0.178	0.00	1.24
0.5ppb std	0.0085	0.5	0.488	0.00	1.57
1.0ppb std	0.0175	1.0	1.002	0.00	0.92
2.0ppb std	0.0324	2.0	1.860	0.00	0.87
5.0ppb std	0.0901	5.0	5.173	0.00	0.40

10.0ppb std	0.1730	10.0	9.937	0.00	0.80

Correlation Coef.: 0.999624 Slope: 0.01741 Intercept: 0.00000

Sequence No.: 8 **Autosampler Location: 8**
Sample ID: ICV **Date Collected: 5/7/2019 3:51:53 PM**
Analyst: **Data Type: Original**

Replicate Data: ICV **Analyte: Hg 253.7**

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	3.163	3.163	0.0551	0.2541	0.0560	3:52:43 PM	Yes
2	3.121	3.121	0.0544	0.2491	0.0553	3:53:12 PM	Yes
Mean:	3.142	3.142	0.0547				
SD:	0.0295	0.0295	0.0005				
%RSD:	0.94%	0.94%	0.94				

QC value within limits for Hg 253.7 Recovery = 104.74%
All analyte(s) passed QC.

Sequence No.: 9 **Autosampler Location: 1**
Sample ID: ICB **Date Collected: 5/7/2019 3:53:31 PM**
Analyst: **Data Type: Original**

Replicate Data: ICB **Analyte: Hg 253.7**

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.000	-0.000	-0.0000	0.0037	0.0010	3:54:20 PM	Yes
2	0.002	0.002	0.0000	0.0048	0.0010	3:54:49 PM	Yes
Mean:	0.001	0.001	0.0000				
SD:	0.0016	0.0016	0.0000				
%RSD:	176.95%	176.95%	176.95				

QC value within limits for Hg 253.7 Recovery = Not calculated
All analyte(s) passed QC.

Sequence No.: 10 **Autosampler Location: 2**
Sample ID: MRL **Date Collected: 5/7/2019 3:55:07 PM**
Analyst: **Data Type: Original**

Replicate Data: MRL **Analyte: Hg 253.7**

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.172	0.172	0.0030	0.0178	0.0040	3:55:56 PM	Yes
2	0.174	0.174	0.0030	0.0183	0.0040	3:56:25 PM	Yes
Mean:	0.173	0.173	0.0030				
SD:	0.0020	0.0020	0.0000				
%RSD:	1.15%	1.15%	1.15				

QC value within limits for Hg 253.7 Recovery = 86.47%
All analyte(s) passed QC.

Sequence No.: 11 **Autosampler Location: 8**
Sample ID: CCV **Date Collected: 5/7/2019 3:56:44 PM**
Analyst: **Data Type: Original**

Replicate Data: CCV **Analyte: Hg 253.7**

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	3.127	3.127	0.0545	0.2504	0.0554	3:57:34 PM	Yes
2	3.134	3.134	0.0546	0.2510	0.0555	3:58:03 PM	Yes
Mean:	3.131	3.131	0.0545				
SD:	0.0044	0.0044	0.0001				
%RSD:	0.14%	0.14%	0.14				

QC value within limits for Hg 253.7 Recovery = 104.35%
All analyte(s) passed QC.

Sequence No.: 12 **Autosampler Location: 1**
Sample ID: CCB **Date Collected: 5/7/2019 3:58:22 PM**
Analyst: **Data Type: Original**

Replicate Data: CCB **Analyte: Hg 253.7**

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.003	0.003	0.0001	0.0050	0.0010	3:59:11 PM	Yes
2	-0.001	-0.001	-0.0000	0.0040	0.0010	3:59:40 PM	Yes
Mean:	0.001	0.001	0.0000				
SD:	0.0026	0.0026	0.0000				
%RSD:	194.49%	194.49%	194.49				

QC value within limits for Hg 253.7 Recovery = Not calculated
All analyte(s) passed QC.

Sequence No.: 13 **Autosampler Location: 98**
Sample ID: PBS-336079 **Date Collected: 5/7/2019 3:59:58 PM**
Analyst: **Data Type: Original**

Replicate Data: PBS-336079 **Analyte: Hg 253.7**

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.042	-0.042	-0.0007	0.0007	0.0002	4:00:49 PM	Yes
2	-0.041	-0.041	-0.0007	0.0008	0.0003	4:01:18 PM	Yes
Mean:	-0.041	-0.041	-0.0007				
SD:	0.0009	0.0009	0.0000				
%RSD:	2.19%	2.19%	2.19				

Sequence No.: 14 **Autosampler Location: 99**
Sample ID: LCSS-336079 **Date Collected: 5/7/2019 4:01:38 PM**
Analyst: **Data Type: Original**

Replicate Data: LCSS-336079 **Analyte: Hg 253.7**

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.906	0.906	0.0158	0.0773	0.0167	4:02:29 PM	Yes
2	0.889	0.889	0.0155	0.0746	0.0164	4:02:57 PM	Yes
Mean:	0.897	0.897	0.0156				
SD:	0.0117	0.0117	0.0002				
%RSD:	1.30%	1.30%	1.30				

Sequence No.: 15 **Autosampler Location: 100**
Sample ID: LOD **Date Collected: 5/7/2019 4:03:18 PM**
Analyst: **Data Type: Original**

Replicate Data: LOD **Analyte: Hg 253.7**

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.046	0.046	0.0008	0.0082	0.0018	4:04:08 PM	Yes
2	0.043	0.043	0.0007	0.0075	0.0017	4:04:37 PM	Yes
Mean:	0.045	0.045	0.0008				
SD:	0.0027	0.0027	0.0000				
%RSD:	6.02%	6.02%	6.02				

Sequence No.: 16 **Autosampler Location: 101**
Sample ID: LOQ **Date Collected: 5/7/2019 4:04:58 PM**
Analyst: **Data Type: Original**

Replicate Data: LOQ **Analyte: Hg 253.7**

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored

1	0.168	0.168	0.0029	0.0183	0.0039	4:05:48 PM	Yes
2	0.154	0.154	0.0027	0.0153	0.0036	4:06:18 PM	Yes
Mean:	0.161	0.161	0.0028				
SD:	0.0097	0.0097	0.0002				
%RSD:	6.01%	6.01%	6.01				

Sequence No.: 17 **Autosampler Location: 102**
Sample ID: R1903900-001 **Date Collected: 5/7/2019 4:06:38 PM**
Analyst: **Data Type: Original**

Replicate Data: R1903900-001 **Analyte: Hg 253.7**

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.335	0.335	0.0058	0.0314	0.0068	4:07:28 PM	Yes
2	0.336	0.336	0.0058	0.0316	0.0068	4:07:57 PM	Yes
Mean:	0.336	0.336	0.0058				
SD:	0.0003	0.0003	0.0000				
%RSD:	0.10%	0.10%	0.10				

Sequence No.: 18 **Autosampler Location: 103**
Sample ID: R1903943-003 **Date Collected: 5/7/2019 4:08:18 PM**
Analyst: **Data Type: Original**

Replicate Data: R1903943-003 **Analyte: Hg 253.7**

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.561	0.561	0.0098	0.0495	0.0107	4:09:08 PM	Yes
2	0.568	0.568	0.0099	0.0507	0.0109	4:09:37 PM	Yes
Mean:	0.565	0.565	0.0098				
SD:	0.0046	0.0046	0.0001				
%RSD:	0.82%	0.82%	0.82				

Sequence No.: 19 **Autosampler Location: 104**
Sample ID: R1903954-001 **Date Collected: 5/7/2019 4:09:58 PM**
Analyst: **Data Type: Original**

Replicate Data: R1903954-001 **Analyte: Hg 253.7**

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	3.960	3.960	0.0690	0.3231	0.0699	4:10:48 PM	Yes
2	3.982	3.982	0.0693	0.3249	0.0703	4:11:17 PM	Yes
Mean:	3.971	3.971	0.0691				
SD:	0.0158	0.0158	0.0003				
%RSD:	0.40%	0.40%	0.40				

Sequence No.: 20 **Autosampler Location: 105**
Sample ID: R1903954-003 **Date Collected: 5/7/2019 4:11:37 PM**
Analyst: **Data Type: Original**

Replicate Data: R1903954-003 **Analyte: Hg 253.7**

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	1.594	1.594	0.0278	0.1336	0.0287	4:12:28 PM	Yes
2	1.598	1.598	0.0278	0.1324	0.0288	4:12:56 PM	Yes
Mean:	1.596	1.596	0.0278				
SD:	0.0027	0.0027	0.0000				
%RSD:	0.17%	0.17%	0.17				

Sequence No.: 21 **Autosampler Location: 8**
Sample ID: CCV **Date Collected: 5/7/2019 4:13:16 PM**
Analyst: **Data Type: Original**

Replicate Data: CCV — Analyte: Hg 253.7

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	3.190	3.190	0.0555	0.2619	0.0565	4:14:06 PM	Yes
2	3.169	3.169	0.0552	0.2597	0.0561	4:14:35 PM	Yes
Mean:	3.179	3.179	0.0554				
SD:	0.0148	0.0148	0.0003				
%RSD:	0.47%	0.47%	0.47				

QC value within limits for Hg 253.7 Recovery = 105.98%
All analyte(s) passed QC.

Sequence No.: 22 — Autosampler Location: 1
Sample ID: CCB — Date Collected: 5/7/2019 4:14:54 PM
Analyst: — Data Type: Original

Replicate Data: CCB — Analyte: Hg 253.7

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.000	-0.000	-0.0000	0.0046	0.0010	4:15:43 PM	Yes
2	-0.002	-0.002	-0.0000	0.0029	0.0009	4:16:11 PM	Yes
Mean:	-0.001	-0.001	-0.0000				
SD:	0.0015	0.0015	0.0000				
%RSD:	111.04%	111.04%	111.04				

QC value within limits for Hg 253.7 Recovery = Not calculated
All analyte(s) passed QC.

Sequence No.: 23 — Autosampler Location: 106
Sample ID: R1903954-006 — Date Collected: 5/7/2019 4:16:30 PM
Analyst: — Data Type: Original

Replicate Data: R1903954-006 — Analyte: Hg 253.7

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.204	0.204	0.0036	0.0217	0.0045	4:17:20 PM	Yes
2	0.196	0.196	0.0034	0.0206	0.0044	4:17:49 PM	Yes
Mean:	0.200	0.200	0.0035				
SD:	0.0056	0.0056	0.0001				
%RSD:	2.77%	2.77%	2.77				

Sequence No.: 24 — Autosampler Location: 107
Sample ID: R1903954-008 — Date Collected: 5/7/2019 4:18:09 PM
Analyst: — Data Type: Original

Replicate Data: R1903954-008 — Analyte: Hg 253.7

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.651	0.651	0.0113	0.0588	0.0123	4:19:00 PM	Yes
2	0.644	0.644	0.0112	0.0576	0.0122	4:19:29 PM	Yes
Mean:	0.648	0.648	0.0113				
SD:	0.0052	0.0052	0.0001				
%RSD:	0.80%	0.80%	0.80				

Sequence No.: 25 — Autosampler Location: 108
Sample ID: R1903954-010 — Date Collected: 5/7/2019 4:19:49 PM
Analyst: — Data Type: Original

Replicate Data: R1903954-010 — Analyte: Hg 253.7

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	1.195	1.195	0.0208	0.1041	0.0218	4:20:40 PM	Yes
2	1.197	1.197	0.0208	0.1033	0.0218	4:21:08 PM	Yes
Mean:	1.196	1.196	0.0208				

SD:	0.0012	0.0012	0.0000
%RSD:	0.10%	0.10%	0.10

Sequence No.: 26 **Autosampler Location: 109**
Sample ID: R1903957-002 **Date Collected: 5/7/2019 4:21:29 PM**
Analyst: **Data Type: Original**

Replicate Data: R1903957-002 **Analyte: Hg 253.7**

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.731	0.731	0.0127	0.0649	0.0137	4:22:20 PM	Yes
2	0.740	0.740	0.0129	0.0657	0.0139	4:22:49 PM	Yes
Mean:	0.736	0.736	0.0128				
SD:	0.0063	0.0063	0.0001				
%RSD:	0.86%	0.86%	0.86				

Sequence No.: 27 **Autosampler Location: 110**
Sample ID: R1903957-002S **Date Collected: 5/7/2019 4:23:09 PM**
Analyst: **Data Type: Original**

Replicate Data: R1903957-002S **Analyte: Hg 253.7**

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	1.479	1.479	0.0257	0.1278	0.0267	4:24:00 PM	Yes
2	1.478	1.478	0.0257	0.1266	0.0267	4:24:29 PM	Yes
Mean:	1.478	1.478	0.0257				
SD:	0.0003	0.0003	0.0000				
%RSD:	0.02%	0.02%	0.02				

Sequence No.: 28 **Autosampler Location: 111**
Sample ID: R1903957-002SD **Date Collected: 5/7/2019 4:24:49 PM**
Analyst: **Data Type: Original**

Replicate Data: R1903957-002SD **Analyte: Hg 253.7**

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	1.455	1.455	0.0253	0.1263	0.0263	4:25:40 PM	Yes
2	1.465	1.465	0.0255	0.1272	0.0265	4:26:09 PM	Yes
Mean:	1.460	1.460	0.0254				
SD:	0.0070	0.0070	0.0001				
%RSD:	0.48%	0.48%	0.48				

Sequence No.: 29 **Autosampler Location: 112**
Sample ID: R1903957-004 **Date Collected: 5/7/2019 4:26:29 PM**
Analyst: **Data Type: Original**

Replicate Data: R1903957-004 **Analyte: Hg 253.7**

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.705	0.705	0.0123	0.0640	0.0132	4:27:20 PM	Yes
2	0.698	0.698	0.0122	0.0618	0.0131	4:27:49 PM	Yes
Mean:	0.702	0.702	0.0122				
SD:	0.0050	0.0050	0.0001				
%RSD:	0.71%	0.71%	0.71				

Sequence No.: 30 **Autosampler Location: 113**
Sample ID: R1903957-007 **Date Collected: 5/7/2019 4:28:09 PM**
Analyst: **Data Type: Original**

Replicate Data: R1903957-007 **Analyte: Hg 253.7**

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored

#	ug/L	ug/L	Signal	Area	Height		Stored
1	4.497	4.497	0.0783	0.3812	0.0793	4:29:00 PM	Yes
2	4.273	4.273	0.0744	0.3611	0.0754	4:29:29 PM	Yes
Mean:	4.385	4.385	0.0764				
SD:	0.1589	0.1589	0.0028				
%RSD:	3.62%	3.62%	3.62				

Sequence No.: 31 **Autosampler Location: 8**
Sample ID: CCV **Date Collected: 5/7/2019 4:29:49 PM**
Analyst: **Data Type: Original**

Replicate Data: CCV **Analyte: Hg 253.7**

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	2.964	2.964	0.0516	0.2518	0.0526	4:30:39 PM	Yes
2	2.790	2.790	0.0486	0.2416	0.0495	4:31:07 PM	Yes
Mean:	2.877	2.877	0.0501				
SD:	0.1230	0.1230	0.0021				
%RSD:	4.28%	4.28%	4.28				

QC value within limits for Hg 253.7 Recovery = 95.90%
All analyte(s) passed QC.

Sequence No.: 32 **Autosampler Location: 1**
Sample ID: CCB **Date Collected: 5/7/2019 4:31:26 PM**
Analyst: **Data Type: Original**

Replicate Data: CCB **Analyte: Hg 253.7**

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.039	-0.039	-0.0007	0.0013	0.0003	4:32:15 PM	Yes
2	-0.042	-0.042	-0.0007	0.0007	0.0002	4:32:44 PM	Yes
Mean:	-0.041	-0.041	-0.0007				
SD:	0.0021	0.0021	0.0000				
%RSD:	5.18%	5.18%	5.18				

QC value within limits for Hg 253.7 Recovery = Not calculated
All analyte(s) passed QC.

Sequence No.: 33 **Autosampler Location: 114**
Sample ID: R1903957-008 **Date Collected: 5/7/2019 4:33:03 PM**
Analyst: **Data Type: Original**

Replicate Data: R1903957-008 **Analyte: Hg 253.7**

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.051	0.051	0.0009	0.0103	0.0019	4:33:53 PM	Yes
2	0.058	0.058	0.0010	0.0101	0.0020	4:34:22 PM	Yes
Mean:	0.054	0.054	0.0009				
SD:	0.0046	0.0046	0.0001				
%RSD:	8.45%	8.45%	8.45				

DO NOT REPORT

Sequence No.: 34 **Autosampler Location: 115**
Sample ID: R1903959-003 **Date Collected: 5/7/2019 4:34:42 PM**
Analyst: **Data Type: Original**

Replicate Data: R1903959-003 **Analyte: Hg 253.7**

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.405	0.405	0.0070	0.0438	0.0080	4:35:33 PM	Yes
2	0.526	0.526	0.0092	0.0551	0.0101	4:36:02 PM	Yes
Mean:	0.465	0.465	0.0081				
SD:	0.0857	0.0857	0.0015				
%RSD:	18.41%	18.41%	18.41				

DO NOT REPORT

DO NOT REPORT

Sequence No.: 35 Autosampler Location: 116
Sample ID: R1903959-005 Date Collected: 5/7/2019 4:36:22 PM
Analyst: Data Type: Original

Replicate Data: R1903959-005 Analyte: Hg 253.7

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.029	-0.029	-0.0005	0.0036	0.0005	4:37:13 PM	Yes
2	-0.032	-0.032	-0.0006	0.0026	0.0004	4:37:42 PM	Yes
Mean:	-0.031	-0.031	-0.0005				
SD:	0.0017	0.0017	0.0000				
%RSD:	5.62%	5.62%	5.62				

Sequence No.: 36 Autosampler Location: 117
Sample ID: R1903959-008 Date Collected: 5/7/2019 4:38:02 PM
Analyst: Data Type: Original

Replicate Data: R1903959-008 Analyte: Hg 253.7

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.012	0.012	0.0002	0.0070	0.0012	4:38:53 PM	Yes
2	-0.001	-0.001	-0.0000	0.0052	0.0009	4:39:22 PM	Yes
Mean:	0.005	0.005	0.0001				
SD:	0.0093	0.0093	0.0002				
%RSD:	169.01%	169.01%	169.01				

Sequence No.: 37 Autosampler Location: 118
Sample ID: R1903959-010 Date Collected: 5/7/2019 4:39:43 PM
Analyst: Data Type: Original

Replicate Data: R1903959-010 Analyte: Hg 253.7

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.045	-0.045	-0.0008	0.0016	0.0002	4:40:34 PM	Yes
2	-0.052	-0.052	-0.0009	-0.0001	0.0001	4:41:03 PM	Yes
Mean:	-0.048	-0.048	-0.0008				
SD:	0.0050	0.0050	0.0001				
%RSD:	10.34%	10.34%	10.34				

Sequence No.: 38 Autosampler Location: 119
Sample ID: R1903967-009 Date Collected: 5/7/2019 4:41:23 PM
Analyst: Data Type: Original

Replicate Data: R1903967-009 Analyte: Hg 253.7

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.046	-0.046	-0.0008	0.0010	0.0002	4:42:14 PM	Yes
2	-0.047	-0.047	-0.0008	0.0010	0.0001	4:42:43 PM	Yes
Mean:	-0.047	-0.047	-0.0008				
SD:	0.0012	0.0012	0.0000				
%RSD:	2.55%	2.55%	2.55				

Sequence No.: 39 Autosampler Location: 120
Sample ID: R1903967-010 Date Collected: 5/7/2019 4:43:03 PM
Analyst: Data Type: Original

Replicate Data: R1903967-010 Analyte: Hg 253.7

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.051	-0.051	-0.0009	0.0000	0.0001	4:43:54 PM	Yes
2	-0.052	-0.052	-0.0009	-0.0000	0.0001	4:44:23 PM	Yes

Mean:	-0.052	-0.052	-0.0009
SD:	0.0008	0.0008	0.0000
%RSD:	1.51%	1.51%	1.51

DO NOT REPORT

Sequence No.: 40 **Autosampler Location: 2**
Sample ID: MRL **Date Collected: 5/7/2019 4:44:44 PM**
Analyst: **Data Type: Original**

Replicate Data: MRL **Analyte: Hg 253.7**

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.050	-0.050	-0.0009	0.0001	0.0001	4:45:34 PM	Yes
2	-0.048	-0.048	-0.0008	0.0003	0.0001	4:46:02 PM	Yes
Mean:	-0.049	-0.049	-0.0009				
SD:	0.0014	0.0014	0.0000				
%RSD:	2.75%	2.75%	2.75				

QC value less than the lower limit for Hg 253.7 Recovery = -24.59%
QC Failed. Continue with analysis.

Sequence No.: 41 **Autosampler Location: 8**
Sample ID: CCV **Date Collected: 5/7/2019 4:46:21 PM**
Analyst: **Data Type: Original**

Replicate Data: CCV **Analyte: Hg 253.7**

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.090	0.090	0.0016	0.0125	0.0025	4:47:10 PM	Yes
2	0.087	0.087	0.0015	0.0123	0.0025	4:47:40 PM	Yes
Mean:	0.089	0.089	0.0015				
SD:	0.0020	0.0020	0.0000				
%RSD:	2.25%	2.25%	2.25				

QC value less than the lower limit for Hg 253.7 Recovery = 2.95%
QC Failed. Continue with analysis.

Sequence No.: 42 **Autosampler Location: 1**
Sample ID: CCB **Date Collected: 5/7/2019 4:47:59 PM**
Analyst: **Data Type: Original**

Replicate Data: CCB **Analyte: Hg 253.7**

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.047	-0.047	-0.0008	0.0009	0.0001	4:48:47 PM	Yes
2	-0.050	-0.050	-0.0009	0.0005	0.0001	4:49:16 PM	Yes
Mean:	-0.048	-0.048	-0.0008				
SD:	0.0019	0.0019	0.0000				
%RSD:	3.84%	3.84%	3.84				

QC value within limits for Hg 253.7 Recovery = Not calculated
All analyte(s) passed QC.
User canceled analysis.

Pump tubing broke at sample R1903957-008

New pump tubing applied and samples re-ran

Analysis Begun

Logged In Analyst: ALRCE Metals01 Technique: AA FIMS-MHS
Spectrometer: FIMS-100, S/N B050-9550 Autosampler: S10

Sample Information File: C:\Users\Public\PerkinElmer\AA\Data\Sample Information\Routine.sif
Batch ID:
Results Data Set: MAY07-S
Results Library: C:\Users\Public\PerkinElmer\AA\Data\Results\MAY19.mdb

Sequence No.: 1 Autosampler Location: 8
Sample ID: CCV Date Collected: 5/7/2019 5:41:44 PM
Analyst: Data Type: Original

Replicate Data: CCV Analyte: Hg 253.7

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	2.982	2.982	0.0519	0.2279	0.0529	5:42:34 PM	Yes
2	3.038	3.038	0.0529	0.2288	0.0539	5:43:03 PM	Yes
Mean:	3.010	3.010	0.0524				
SD:	0.0389	0.0389	0.0007				
%RSD:	1.29%	1.29%	1.29				

QC value within limits for Hg 253.7 Recovery = 100.33%
All analyte(s) passed QC.

Sequence No.: 2 Autosampler Location: 1
Sample ID: CCB Date Collected: 5/7/2019 5:43:22 PM
Analyst: Data Type: Original

Replicate Data: CCB Analyte: Hg 253.7

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.003	0.003	0.0000	0.0050	0.0010	5:44:11 PM	Yes
2	-0.003	-0.003	-0.0001	0.0037	0.0009	5:44:40 PM	Yes
Mean:	-0.000	-0.000	-0.0000				
SD:	0.0043	0.0043	0.0001				
%RSD:	>999.9%	>999.9%	>999.9%				

QC value within limits for Hg 253.7 Recovery = Not calculated
All analyte(s) passed QC.

Sequence No.: 3 Autosampler Location: 138
Sample ID: R1903957-002 RPT Date Collected: 5/7/2019 5:44:58 PM
Analyst: Data Type: Original

Replicate Data: R1903957-002 RPT Analyte: Hg 253.7

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.692	0.692	0.0121	0.0577	0.0130	5:45:50 PM	Yes
2	0.691	0.691	0.0120	0.0569	0.0130	5:46:18 PM	Yes
Mean:	0.692	0.692	0.0120				
SD:	0.0012	0.0012	0.0000				
%RSD:	0.17%	0.17%	0.17				

confirmation

Sequence No.: 4 Autosampler Location: 139
Sample ID: R1903957-002S RPT Date Collected: 5/7/2019 5:46:39 PM
Analyst: Data Type: Original

Replicate Data: R1903957-002S RPT Analyte: Hg 253.7

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	1.394	1.394	0.0243	0.1105	0.0252	5:47:30 PM	Yes

2	1.425	1.425	0.0248	0.1101	0.0258	5:47:59 PM	Yes
Mean:	1.409	1.409	0.0245				
SD:	0.0219	0.0219	0.0004				
%RSD:	1.55%	1.55%	1.55				

confirmation

Sequence No.: 5 **Autosampler Location: 140**
Sample ID: R1903957-002SD RPT **Date Collected: 5/7/2019 5:48:19 PM**
Analyst: **Data Type: Original**

Replicate Data: R1903957-002SD RPT **Analyte: Hg 253.7**

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	1.397	1.397	0.0243	0.1111	0.0253	5:49:11 PM	Yes
2	1.404	1.404	0.0245	0.1100	0.0254	5:49:39 PM	Yes
Mean:	1.401	1.401	0.0244				
SD:	0.0052	0.0052	0.0001				
%RSD:	0.37%	0.37%	0.37				

Sequence No.: 6 **Autosampler Location: 8**
Sample ID: CCV **Date Collected: 5/7/2019 5:50:00 PM**
Analyst: **Data Type: Original**

Replicate Data: CCV **Analyte: Hg 253.7**

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	3.016	3.016	0.0525	0.2317	0.0535	5:50:49 PM	Yes
2	3.018	3.018	0.0526	0.2295	0.0535	5:51:18 PM	Yes
Mean:	3.017	3.017	0.0525				
SD:	0.0018	0.0018	0.0000				
%RSD:	0.06%	0.06%	0.06				

QC value within limits for Hg 253.7 Recovery = 100.57%
All analyte(s) passed QC.

Sequence No.: 7 **Autosampler Location: 1**
Sample ID: CCB **Date Collected: 5/7/2019 5:51:37 PM**
Analyst: **Data Type: Original**

Replicate Data: CCB **Analyte: Hg 253.7**

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.005	0.005	0.0001	0.0049	0.0011	5:52:26 PM	Yes
2	-0.000	-0.000	-0.0000	0.0040	0.0010	5:52:55 PM	Yes
Mean:	0.002	0.002	0.0000				
SD:	0.0042	0.0042	0.0001				
%RSD:	168.17%	168.17%	168.17				

QC value within limits for Hg 253.7 Recovery = Not calculated
All analyte(s) passed QC.

Sequence No.: 8 **Autosampler Location: 114**
Sample ID: R1903957-008 **Date Collected: 5/7/2019 5:53:14 PM**
Analyst: **Data Type: Original**

Replicate Data: R1903957-008 **Analyte: Hg 253.7**

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.354	0.354	0.0062	0.0310	0.0071	5:54:04 PM	Yes
2	0.352	0.352	0.0061	0.0304	0.0071	5:54:33 PM	Yes
Mean:	0.353	0.353	0.0061				
SD:	0.0019	0.0019	0.0000				
%RSD:	0.54%	0.54%	0.54				

Sequence No.: 9 **Autosampler Location: 115**

Sample ID: R1903959-003 Date Collected: 5/7/2019 5:54:54 PM
Analyst: Data Type: Original

Replicate Data: R1903959-003 Analyte: Hg 253.7

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	2.751	2.751	0.0479	0.2115	0.0489	5:55:44 PM	Yes
2	2.766	2.766	0.0482	0.2120	0.0491	5:56:13 PM	Yes
Mean:	2.759	2.759	0.0480				
SD:	0.0106	0.0106	0.0002				
%RSD:	0.39%	0.39%	0.39				

Sequence No.: 10 Autosampler Location: 116
Sample ID: R1903959-005 Date Collected: 5/7/2019 5:56:34 PM
Analyst: Data Type: Original

Replicate Data: R1903959-005 Analyte: Hg 253.7

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.432	0.432	0.0075	0.0365	0.0085	5:57:25 PM	Yes
2	0.436	0.436	0.0076	0.0369	0.0086	5:57:54 PM	Yes
Mean:	0.434	0.434	0.0076				
SD:	0.0029	0.0029	0.0001				
%RSD:	0.67%	0.67%	0.67				

Sequence No.: 11 Autosampler Location: 117
Sample ID: R1903959-008 Date Collected: 5/7/2019 5:58:14 PM
Analyst: Data Type: Original

Replicate Data: R1903959-008 Analyte: Hg 253.7

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	1.653	1.653	0.0288	0.1281	0.0298	5:59:05 PM	Yes
2	1.649	1.649	0.0287	0.1267	0.0297	5:59:34 PM	Yes
Mean:	1.651	1.651	0.0288				
SD:	0.0035	0.0035	0.0001				
%RSD:	0.21%	0.21%	0.21				

Sequence No.: 12 Autosampler Location: 118
Sample ID: R1903959-010 Date Collected: 5/7/2019 5:59:54 PM
Analyst: Data Type: Original

Replicate Data: R1903959-010 Analyte: Hg 253.7

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.065	0.065	0.0011	0.0088	0.0021	6:00:45 PM	Yes
2	0.064	0.064	0.0011	0.0088	0.0021	6:01:13 PM	Yes
Mean:	0.064	0.064	0.0011				
SD:	0.0007	0.0007	0.0000				
%RSD:	1.12%	1.12%	1.12				

Sequence No.: 13 Autosampler Location: 119
Sample ID: R1903967-009 Date Collected: 5/7/2019 6:01:34 PM
Analyst: Data Type: Original

Replicate Data: R1903967-009 Analyte: Hg 253.7

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.018	0.018	0.0003	0.0055	0.0013	6:02:25 PM	Yes
2	0.022	0.022	0.0004	0.0063	0.0013	6:02:53 PM	Yes
Mean:	0.020	0.020	0.0003				
SD:	0.0026	0.0026	0.0000				

%RSD: 12.88% 12.88% 12.88

Sequence No.: 14 **Autosampler Location: 120**
Sample ID: R1903967-010 **Date Collected: 5/7/2019 6:03:14 PM**
Analyst: **Data Type: Original**

Replicate Data: R1903967-010 **Analyte: Hg 253.7**

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.204	0.204	0.0036	0.0190	0.0045	6:04:04 PM	Yes
2	0.214	0.214	0.0037	0.0199	0.0047	6:04:33 PM	Yes
Mean:	0.209	0.209	0.0036				
SD:	0.0072	0.0072	0.0001				
%RSD:	3.44%	3.44%	3.44				

Sequence No.: 15 **Autosampler Location: 2**
Sample ID: MRL **Date Collected: 5/7/2019 6:04:54 PM**
Analyst: **Data Type: Original**

Replicate Data: MRL **Analyte: Hg 253.7**

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.172	0.172	0.0030	0.0176	0.0040	6:05:43 PM	Yes
2	0.165	0.165	0.0029	0.0163	0.0038	6:06:12 PM	Yes
Mean:	0.168	0.168	0.0029				
SD:	0.0050	0.0050	0.0001				
%RSD:	2.97%	2.97%	2.97				

QC value within limits for Hg 253.7 Recovery = 84.03%
All analyte(s) passed QC.

Sequence No.: 16 **Autosampler Location: 8**
Sample ID: CCV **Date Collected: 5/7/2019 6:06:31 PM**
Analyst: **Data Type: Original**

Replicate Data: CCV **Analyte: Hg 253.7**

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	3.025	3.025	0.0527	0.2304	0.0536	6:07:20 PM	Yes
2	3.019	3.019	0.0526	0.2286	0.0535	6:07:49 PM	Yes
Mean:	3.022	3.022	0.0526				
SD:	0.0044	0.0044	0.0001				
%RSD:	0.15%	0.15%	0.15				

QC value within limits for Hg 253.7 Recovery = 100.74%
All analyte(s) passed QC.

Sequence No.: 17 **Autosampler Location: 1**
Sample ID: CCB **Date Collected: 5/7/2019 6:08:08 PM**
Analyst: **Data Type: Original**

Replicate Data: CCB **Analyte: Hg 253.7**

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.003	0.003	0.0000	0.0043	0.0010	6:08:57 PM	Yes
2	0.001	0.001	0.0000	0.0038	0.0010	6:09:25 PM	Yes
Mean:	0.002	0.002	0.0000				
SD:	0.0008	0.0008	0.0000				
%RSD:	42.23%	42.23%	42.23				

QC value within limits for Hg 253.7 Recovery = Not calculated
All analyte(s) passed QC.

Sequence No.: 18 **Autosampler Location: 121**
Sample ID: Sample121 **Date Collected: 5/7/2019 6:09:44 PM**

Analyst: Data Type: Original

Replicate Data: Sample121 Analyte: Hg 253.7

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.054	-0.054	-0.0009	-0.0002	0.0000	6:10:35 PM	Yes
2	-0.052	-0.052	-0.0009	0.0003	0.0001	6:11:04 PM	Yes
Mean:	-0.053	-0.053	-0.0009				
SD:	0.0017	0.0017	0.0000				
%RSD:	3.26%	3.26%	3.26				

Preparation Information Benchsheet

Prep Run#: 336079 **Prep WorkFlow:** HgDigS **Status:** Prepped
Team: Metals/NMANSEN **Prep Method:** Method **Prep Date/Time:** 5/7/19 07:10

#	Lab Code	Client ID	B#	Amt. Ext.	Method /Test	pH	AE	BN	Final Vol	Sample Desc. (Initial/Final)	SpikeAmt./Inv. ID	Comments
1	RQ1904196-01	MB		0.6g	7471B/Hg				100.00mL			HB: 4 Well: B2 Temp: 90.0C/94.0C Corr. Factor: 0.0C Corr. Temp: 90.0C/94.0C/
2	RQ1904196-02	LCS		0.6g	7471B/Hg				100.00mL		1.0000 mL/199195	On HB: 8:30 Off HB: 8:32 On HB: 8:50 Off HB: 9:20
3	R1903900-001	West/East Secondary	.02	0.6300g	7471B/Hg				100.00mL			Pipets/Repipettors used: M15, M23, M28, M250, M702, M207
4	R1903943-003	Sludge/Cake	.01	0.6200g	7471B/Hg				100.00mL			
5	R1903954-001	TB-01-24 (1-3)	.01	0.6200g	7471B/Hg				100.00mL			
6	R1903954-003	TB-02-24 (2-4)	.02	0.6g	7471B/Hg				100.00mL			
7	R1903954-006	TB-05-24 (1-4)	.03	0.6100g	7471B/Hg				100.00mL			
8	R1903954-008	TB-06-24 (4-5)	.02	0.6100g	7471B/Hg				100.00mL			
9	R1903954-010	TB-07-24 (2-4)	.02	0.6400g	7471B/Hg				100.00mL			
10	R1903957-002	TP-02 (2-4)	.11	0.6400g	7471B/Hg				100.00mL			
11	RQ1904196-03	R1903957-002 MS	.11	0.6300g	7471B/Hg				100.00mL		1.0000 mL/199195	
12	RQ1904196-04	R1903957-002 DMS	.11	0.6200g	7471B/Hg				100.00mL		1.0000 mL/199195	
13	R1903957-004	TP-04 (4-5)	.02	0.6500g	7471B/Hg				100.00mL			
14	R1903957-007	TP-07 (8-8.5)	.03	0.6300g	7471B/Hg				100.00mL			
15	R1903957-008	TP-08 (4-5)	.03	0.6200g	7471B/Hg				100.00mL			
16	R1903959-003	TB-01-32 (3-4)	.01	0.6300g	7471B/Hg				100.00mL			
17	R1903959-005	TB-02-32 (3-4)	.01	0.6100g	7471B/Hg				100.00mL			
18	R1903959-008	TB-03-32 (5-7)	.01	0.6300g	7471B/Hg				100.00mL			
19	R1903959-010	TB-04-32 (4-5)	.02	0.6100g	7471B/Hg				100.00mL			
20	R1903967-009	B-3	.02	0.6400g	7471B/Hg				100.00mL			
21	R1903967-010	B-4	.02	0.6500g	7471B/Hg				100.00mL			

Spiking Solutions

Name: Mercury LCSW Metals Hg Inventory ID 199195 Logbook Ref: 199195 Expires On: 05/08/2019

Preparation Materials

1:1 HCl Metals Grade	M7600009G (197995)	1:1 Nitric Acid Metals Grade	M7600009S (197993)	Hot Block Cups	125 mL 1812117-9046-AF (198000)
Hydroxylamine Hydrochloride Reagent Grade	M7600009E (197997)	Potassium Permanganate RG KMnO4	M7600008H (197996)	Thermometer	377 (182584)

Preparation Information Benchsheet

Prep Run#: 336079
Team: Metals/NMANSEN

Prep WorkFlow: HgDigS
Prep Method: Method

Status: Prepped
Prep Date/Time: 5/7/19 07:10

Preparation Steps

Step: Digestion
Started: 5/7/19 07:10
Finished: 5/7/19 09:45
By: KMCLAEN
Comments

Comments: prepped with curve M78400905

Reviewed By: _____ Date: 5/8/19

Chain of Custody

Relinquished By: Kelly McJeon Date: 5/7/19
Received By: RACI Date: 5/7/19

Extracts Examined
Yes No

Date: 5/7/19 Analyst: NM

Prep Number: 336079

Sample	ICP (g)	Hg (g)	Sample Description
MB		-	W-C
LCS		-	W-C
LOQ		-	W-C
LOD		-	W-C
R3900-001		0.63	Br-F
R3943-003		0.62	Bl-M
R3954-001		0.62	Multi-C
R3954-003		0.60	M-C
R3954-006		0.61	M-C
R3954-008		0.61	Br-M
R3954-010		0.64	Br-M
R3957-002		0.64	Br-M
↓ MS		0.63	↓
↓ MSD		0.62	↓
R3957-004		0.65	Br-M
R3957-007		0.63	Br-F
R3957-008		0.62	Br-F
R3959-003		0.63	M-C
R3959-005		0.61	Br-F
R3959-008		0.63	Br-F
R3959-010		0.61	Br-F
R3967-009		0.64	Br-F
R3967-010		0.65	Br-F M

NM

SS 5/7/19

MERCURY CCV / LCSW / MS STANDARDS

Standard	ALS Lot #	Conc. (ppm)	Vol. (mls)	Final Vol. (mls)	Final Conc. (ppm)	Matrix	Analyst/ Date	Letter ID	Nitric Acid Lot #	Expiration Date	Pipet ID
Hg CCV Stk A	M76000079N	1000	1.00	100	10	0.5%HNO3	KSM 5/6/19	A	M76000095	5/13/19	M28

(PREPARED DAILY)

Standard	ALS Lot #	Conc. (ppm)	Vol. (mls)	Final Vol. (mls)	Final Conc. (ppm)	Matrix	Analyst/ Date	Letter ID	Nitric Acid Lot #	Pipet ID
Hg CCV StkB	Hg CCV Stk A	10.0	1.00	100	0.100	0.5%HNO3	KSM 5/6/19	B	M76000095	M28
							NM 5/7/19	C	M76000095	M28
								D		
								E		
								F		
								G		
								H		

(PREPARED AND DIGESTED DAILY WITH SAMPLE PREP RUNS)

CCV Standard (ppb)	ALS Lot #	Conc. (ppm)	Vol. (mL) Soil	Vol. (mL) Water	Final Vol. (mls)	Final Conc. (ppb)	Water/ Soil	Analyst/ Date	Letter ID	Pipet ID
CCV	Hg CCV Stk B	0.100	3.00	0.75	Soils- Final vol. 100mL after digest. Water – Final Vol of 25 mL before digest.	3.00	Water	KSM 5/6/19	I	M23, M29
LCS / MS			1.00	0.25		1.00	Soil	NM 5/7/19	J	M28
									K	
									L	
									M	
									N	
									O	

MERCURY CALIBRATION / CRDL STANDARDS

Standard	ALS Lot #	Conc. (ppm)	Vol. (mls)	Final Vol. (mls)	Final Conc. (ppm)	Matrix	Analyst/ Date	Letter ID	Nitric Acid Lot #	Expiration Date	Pipet ID
Hg Cal Stk A	M7600008W	1000	1.00	100	10	0.5%HNO3	KSM 5/6/19	A	M76000095	5/13/19	M28

(PREPARED DAILY)

Standard	ALS Lot #	Conc. (ppm)	Vol. (mls)	Final Vol. (mls)	Final Conc. (ppm)	Matrix	Analyst/ Date	Letter ID	Nitric Acid Lot #	Pipet ID
Hg Cal StkB	Hg Cal Stk A	10.0	1.00	100	0.100	0.5%HNO3	KSM 5/6/19	B	M76000095	M28
							NM 5/7/19	C	M76000095	M28
								D		
								E		
								F		
								G		
								H		

(PREPARED AND DIGESTED DAILY WITH SAMPLE PREP RUNS)

CAL Standard (ppb)	ALS Lot #	Conc. (ppm)	Vol. (mL) Soil	Vol. (mL) Water	Final Vol. (mls)	Final Conc. (ppb)	Water/ Soil	Analyst/ Date	Letter ID	Pipet ID
0.200	Hg Cal Stk B	0.100	0.200	0.05	Soils- Dilute to 10mL w/ DI. Final vol 100mL after digest. Water – dilute to Final Vol of 25 mL with DI before digest.	0.200	Water	KSM 5/6/19	I	M23, M27, M28, M31
0.500			0.500	0.125		0.500	Soil	NM 5/7/19	J	M15, M23, M28
1.00			1.00	0.25		1.00			K	
2.00			2.00	0.5		2.00			L	
5.00			5.00	1.25		5.00			M	
10.0			10.0	2.5		10.0			N	
CRA			0.200	0.05		0.200			O	

Analytical Results Summary

Instrument Name: R-CVAA-02 **Analyst:** KMCLAEN **Analysis Lot:** 634697 **Method/Testcode:** 7471B/Hg

Lab Code	Target Analytes	QC	Parent Sample	Matrix	Raw Result	Sample Amt.	Final Result	Dil	MDL	PQL	% Rec	% RSD	Date Analyzed	QC?	Tier
KQ1904196-01	Mercury, Total	MB		Sludge, Solid	-0.04 µg/L	0.6 g	0.033 mg/Kg U	1	0.006	0.033			5/7/19 16:01	N	II
KQ1904196-02	Mercury, Total	LCS		Sludge, Solid	0.90 µg/L	0.6 g	0.150 mg/Kg	1	0.006	0.033	90		5/7/19 16:02	N	II
K1903900-001	Mercury, Total	N/A		Sludge, Solid	0.34 µg/L	0.6300 g	0.92 mg/Kg	1	0.10	0.55			5/7/19 16:07	N	II
K1903943-003	Mercury, Total	N/A		Sludge, Solid	0.56 µg/L	0.6200 g	0.091 mg/Kg #	1	0.006	0.032			5/7/19 16:09	N	II
K1903954-001	Mercury, Total	N/A		Soil	3.97 µg/L	0.6200 g	0.768 mg/Kg	1	0.007	0.038			5/7/19 16:11	N	IV
K1903954-003	Mercury, Total	N/A		Soil	1.60 µg/L	0.6 g	0.312 mg/Kg	1	0.007	0.039			5/7/19 16:12	N	IV
K1903954-006	Mercury, Total	N/A		Soil	0.20 µg/L	0.6100 g	0.043 mg/Kg	1	0.008	0.042			5/7/19 16:17	N	IV
K1903954-008	Mercury, Total	N/A		Soil	0.65 µg/L	0.6100 g	0.119 mg/Kg	1	0.007	0.036			5/7/19 16:19	N	IV
K1903954-010	Mercury, Total	N/A		Soil	1.20 µg/L	0.6400 g	0.210 mg/Kg	1	0.007	0.035			5/7/19 16:21	N	IV
K1903957-002	Mercury, Total	N/A		Soil	0.74 µg/L	0.6400 g	0.132 mg/Kg	1	0.007	0.036			5/7/19 16:22	Y	IV
KQ1904196-03	Mercury, Total	MS	R1903957-002	Soil	1.48 µg/L	0.6300 g	0.270 mg/Kg	1	0.007	0.036	75*		5/7/19 16:24	N	IV
KQ1904196-04	Mercury, Total	DMS	R1903957-002	Soil	1.46 µg/L	0.6200 g	0.271 mg/Kg	1	0.007	0.037	75*	<1	5/7/19 16:26	N	IV
K1903957-004	Mercury, Total	N/A		Soil	0.70 µg/L	0.6500 g	0.117 mg/Kg	1	0.006	0.033			5/7/19 16:27	N	IV
K1903957-007	Mercury, Total	N/A		Soil	4.39 µg/L	0.6300 g	0.826 mg/Kg	1	0.007	0.037			5/7/19 16:29	N	IV
K1903957-008	Mercury, Total	N/A		Soil	0.35 µg/L	0.6200 g	0.062 mg/Kg	1	0.007	0.035			5/7/19 17:54	N	IV
K1903959-003	Mercury, Total	N/A		Soil	2.76 µg/L	0.6300 g	0.517 mg/Kg	1	0.007	0.037			5/7/19 17:56	N	IV
K1903959-005	Mercury, Total	N/A		Soil	0.43 µg/L	0.6100 g	0.083 mg/Kg	1	0.007	0.038			5/7/19 17:57	N	IV
K1903959-008	Mercury, Total	N/A		Soil	1.65 µg/L	0.6300 g	0.311 mg/Kg	1	0.007	0.037			5/7/19 17:59	N	IV
K1903959-010	Mercury, Total	N/A		Soil	0.06 µg/L	0.6100 g	0.012 mg/Kg J	1	0.007	0.037			5/7/19 18:01	N	IV
K1903967-009	Mercury, Total	N/A		Soil	0.02 µg/L	0.6400 g	0.033 mg/Kg U	1	0.006	0.033			5/7/19 18:02	N	II
K1903967-010	Mercury, Total	N/A		Soil	0.21 µg/L	0.6500 g	0.037 mg/Kg	1	0.007	0.035			5/7/19 18:04	N	II

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

METALS

-2A-

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Contract: R1903959

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: TB-01-32 (3-

Initial Calibration Source: PERKIN ELMER

Continuing Calibration Source: PERKIN ELMER

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Arsenic	1000	981	98	1000	987	99	996	100	P
Barium	10000	10300	103	10000	10400	104	10400	104	P
Cadmium	500	497	99	500	516	103	517	103	P
Mercury	3.00	3.14	105	3.00	3.13	104	3.18	106	CV
Chromium	500	509	102	500	516	103	516	103	P
Lead	500	503	101	500	515	103	513	103	P
Selenium	500	482	96	500	493	99	496	99	P
Silver	500	494	99	500	492	98	492	98	P

Comments:

METALS

-2A-

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Contract: R1903959

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: TB-01-32 (3-

Initial Calibration Source: PERKIN ELMER

Continuing Calibration Source: PERKIN ELMER

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Arsenic				1000	968	97	965	96	P
Barium				10000	10300	103	10300	103	P
Cadmium				500	499	100	505	101	P
Mercury				3.00	2.88	96	3.02	101	CV
Chromium				500	509	102	509	102	P
Lead				500	503	101	505	101	P
Selenium				500	481	96	487	97	P
Silver				500	492	98	492	98	P

Comments:

METALS

-2A-

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Contract: R1903959

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: TB-01-32 (3-

Initial Calibration Source: PERKIN ELMER

Continuing Calibration Source: PERKIN ELMER

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Arsenic				1000	972	97	972	97	P
Barium				10000	10300	103	10300	103	P
Cadmium				500	507	101	507	101	P
Mercury				3.00	3.02	101			CV
Chromium				500	509	102	511	102	P
Lead				500	506	101	505	101	P
Selenium				500	477	95	478	96	P
Silver				500	493	99	492	98	P

Comments:

METALS

-2A-

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Contract: R1903959

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: TB-01-32 (3-

Initial Calibration Source: PERKIN ELMER

Continuing Calibration Source: PERKIN ELMER

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Arsenic				1000	965	96			P
Barium				10000	10400	104			P
Cadmium				500	509	102			P
Chromium				500	511	102			P
Lead				500	507	101			P
Selenium				500	485	97			P
Silver				500	493	99			P

Comments:

METALS

-3-

BLANKS

Contract: R1903959

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: TB-01-32 (3-

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L, ppt, or mg/kg): MG/KG

Analyte	Initial Calib. Blank ug/L	C	Continuing Calibration Blank ug/L 1	C	2	C	3	C	Preparation Blank	C	M
Arsenic	7.00	U	7.00	U	7.00	U	7.00	U	0.700	U	P
Barium	9.70	U	9.70	U	9.70	U	9.70	U	0.970	U	P
Cadmium	0.73	U	0.73	U	0.73	U	0.73	U	0.073	U	P
Mercury	0.035	U	0.035	U	0.035	U	-0.041	J	-0.007	J	CV
Chromium	3.50	U	3.50	U	3.50	U	3.50	U	0.350	U	P
Lead	4.00	U	4.00	U	4.00	U	4.00	U	0.400	U	P
Selenium	5.40	U	5.40	U	5.40	U	5.40	U	0.540	U	P
Silver	0.71	U	0.71	U	0.71	U	0.71	U	0.071	U	P

Comments:

METALS

-3-

BLANKS

Contract: R1903959

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: TB-01-32 (3-

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L, ppt, or mg/kg): UG/L

Analyte	Initial Calib. Blank ug/L	C	Continuing Calibration Blank ug/L 1	C	2	C	3	C	Preparation Blank	C	M
Arsenic			7.00	U	7.00	U	7.00	U			P
Barium			9.70	U	9.70	U	9.70	U			P
Cadmium			0.73	U	0.73	U	0.73	U			P
Mercury			0.035	U	0.035	U					CV
Chromium			3.50	U	3.50	U	3.50	U			P
Lead			4.00	U	4.00	U	4.00	U			P
Selenium			5.40	U	5.40	U	5.40	U			P
Silver			0.71	U	0.71	U	0.71	U			P

Comments:

METALS

-3-

BLANKS

Contract: R1903959

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: TB-01-32 (3-

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L, ppt, or mg/kg): UG/L

Analyte	Initial Calib. Blank ug/L	C	Continuing Calibration Blank ug/L 1	C	2	C	3	C	Preparation Blank	C	M
Arsenic			7.00	U							P
Barium			9.70	U							P
Cadmium			0.73	U							P
Chromium			3.50	U							P
Lead			4.00	U							P
Selenium			5.40	U							P
Silver			0.71	U							P

Comments:

METALS

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ANALYSIS RUN LOG

Contract: R1903959

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: TB-01-32 (3-

Instrument ID Number: Agilent ICP Method: P

Start Date: 5/8/2019 End Date: 5/8/2019

Sample ID.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
BLANK	1.00	14:05				X	X		X		X				X						X	X					
STANDARD 1	1.00	14:09				X	X		X		X				X						X	X					
STANDARD 2	1.00	14:12				X	X		X		X				X						X	X					
STANDARD 3	1.00	14:15				X	X		X		X				X						X	X					
STANDARD 4	1.00	14:19				X	X		X		X				X						X	X					
STANDARD 5	1.00	14:22				X	X		X		X				X						X	X					
ICV1	1.00	14:26				X	X		X		X				X						X	X					
ICB1	1.00	14:29				X	X		X		X				X						X	X					
ZZZZZZ	1.00	14:32																									
ZZZZZZ	1.00	14:36																									
ZZZZZZ	1.00	14:39																									
ZZZZZZ	1.00	14:42																									
ZZZZZZ	1.00	14:46																									
ZZZZZZ	1.00	14:49																									
ZZZZZZ	1.00	14:52																									
ZZZZZZ	1.00	14:56																									
ZZZZZZ	1.00	14:59																									
ZZZZZZ	1.00	15:02																									
ZZZZZZ	1.00	15:06																									
ZZZZZZ	10.00	15:09																									
ZZZZZZ	10.00	15:12																									
ZZZZZZ	10.00	15:15																									
ZZZZZZ	1.00	15:19																									
ZZZZZZ	1.00	15:22																									
ZZZZZZ	1.00	15:25																									
ZZZZZZ	1.00	15:29																									
ZZZZZZ	1.00	15:32																									
ZZZZZZ	1.00	15:35																									
ZZZZZZ	5.00	15:39																									
ZZZZZZ	10.00	15:42																									
ZZZZZZ	10.00	15:45																									
ZZZZZZ	10.00	15:49																									
ZZZZZZ	10.00	15:52																									

* - Denotes additional elements (other than the standard CLP elements) are represented on another Form 14

METALS

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ANALYSIS RUN LOG

Contract: R1903959

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: TB-01-32 (3-

Instrument ID Number: Agilent ICP Method: P

Start Date: 5/8/2019 End Date: 5/8/2019

Sample ID.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
CCV1	1.00	15:55				X	X		X		X				X						X	X					
CCB1	1.00	15:59				X	X		X		X				X						X	X					
CRDL1	1.00	16:02				X	X		X		X				X						X	X					
ICS-A1	1.00	16:05				X	X		X		X				X						X	X					
ICS-AB1	1.00	16:08				X	X		X		X				X						X	X					
ZZZZZZ	1.00	16:12																									
ZZZZZZ	1.00	16:15																									
ZZZZZZ	1.00	16:18																									
CCV2	1.00	16:22				X	X		X		X				X						X	X					
CCB2	1.00	16:25				X	X		X		X				X						X	X					
PBS	1.00	16:28				X	X		X		X				X						X	X					
LCSS	1.00	16:32				X	X		X		X				X						X	X					
ZZZZZZ	1.00	16:35																									
ZZZZZZ	1.00	16:38																									
ZZZZZZ	1.00	16:42																									
ZZZZZZ	1.00	16:45																									
ZZZZZZ	1.00	16:48																									
ZZZZZZ	1.00	16:52																									
ZZZZZZ	1.00	16:55																									
ZZZZZZ	5.00	16:58																									
CCV3	1.00	17:01				X	X		X		X				X						X	X					
CCB3	1.00	17:05				X	X		X		X				X						X	X					
ZZZZZZ	1.00	17:08																									
ZZZZZZ	1.00	17:11																									
ZZZZZZ	1.00	17:15																									
TB-01-32 (3-4)	1.00	17:18				X	X		X		X				X						X	X					
TB-02-32 (3-4)	1.00	17:21				X	X		X		X				X						X	X					
TB-03-32 (5-7)	1.00	17:25				X	X		X		X				X						X	X					
TB-04-32 (4-5)	1.00	17:28				X	X		X		X				X						X	X					
TB-04-32 (4-5)L	5.00	17:31				X	X		X		X				X						X	X					
ZZZZZZ	1.00	17:35																									
ZZZZZZ	1.00	17:38																									
CCV4	1.00	17:41				X	X		X		X				X						X	X					

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METALS

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ANALYSIS RUN LOG

Contract: R1903959

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: TB-01-32 (3-

Instrument ID Number: Agilent ICP Method: P

Start Date: 5/8/2019 End Date: 5/8/2019

Sample ID.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
CCB4	1.00	17:44				X	X		X		X				X						X	X					
ZZZZZZ	1.00	17:48																									
ZZZZZZ	1.00	17:51																									
ZZZZZZ	1.00	17:54																									
ZZZZZZ	1.00	17:58																									
ZZZZZZ	1.00	18:01																									
ZZZZZZ	1.00	18:04																									
ZZZZZZ	10.00	18:08																									
ZZZZZZ	10.00	18:11																									
ZZZZZZ	10.00	18:14																									
ZZZZZZ	10.00	18:18																									
CCV5	1.00	18:21				X	X		X		X				X						X	X					
CCB5	1.00	18:24				X	X		X		X				X						X	X					
ZZZZZZ	10.00	18:28																									
ZZZZZZ	10.00	18:31																									
ZZZZZZ	10.00	18:34																									
ZZZZZZ	10.00	18:37																									
CCV6	1.00	18:41				X	X		X		X				X						X	X					
CCB6	1.00	18:44				X	X		X		X				X						X	X					
CRDL2	1.00	18:47				X	X		X		X				X						X	X					
ICS-A2	1.00	18:51				X	X		X		X				X						X	X					
ICS-AB2	1.00	18:54				X	X		X		X				X						X	X					
CCV7	1.00	18:57				X	X		X		X				X						X	X					
CCB7	1.00	19:01				X	X		X		X				X						X	X					

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METALS

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ANALYSIS RUN LOG

Contract: R1903959

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: TB-01-32 (3-

Instrument ID Number: PE FAA/CVAA Method: CV

Start Date: 5/7/2019 End Date: 5/7/2019

Sample ID.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN			
Calib Blank	1.00	03:41																X												
0.2ppb std	1.00	03:43																X												
0.5ppb std	1.00	03:45																X												
1.0ppb std	1.00	03:46																X												
2.0ppb std	1.00	03:48																X												
5.0ppb std	1.00	03:49																X												
10.0ppb std	1.00	03:51																X												
ICV1	1.00	03:53																X												
ICB1	1.00	03:54																X												
CRDL1	1.00	03:56																X												
CCV1	1.00	03:58																X												
CCB1	1.00	03:59																X												
PBS	1.00	04:01																X												
LCSS	1.00	04:02																X												
ZZZZZZ	1.00	04:04																												
ZZZZZZ	1.00	04:06																												
ZZZZZZ	1.00	04:07																												
ZZZZZZ	1.00	04:09																												
ZZZZZZ	1.00	04:11																												
ZZZZZZ	1.00	04:12																												
CCV2	1.00	04:14																X												
CCB2	1.00	04:16																X												
ZZZZZZ	1.00	04:17																												
ZZZZZZ	1.00	04:19																												
ZZZZZZ	1.00	04:21																												
ZZZZZZ	1.00	04:22																												
ZZZZZZ	1.00	04:24																												
ZZZZZZ	1.00	04:26																												
ZZZZZZ	1.00	04:27																												
ZZZZZZ	1.00	04:29																												
CCV3	1.00	04:31																X												
CCB3	1.00	04:32																X												
ZZZZZZ	1.00	04:34																												

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METALS

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ANALYSIS RUN LOG

Contract: R1903959

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: TB-01-32 (3-

Instrument ID Number: PE FAA/CVAA Method: CV

Start Date: 5/7/2019 End Date: 5/7/2019

Sample ID.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
ZZZZZZ	1.00	04:36																												
ZZZZZZ	1.00	04:37																												
ZZZZZZ	1.00	04:39																												
ZZZZZZ	1.00	04:41																												
ZZZZZZ	1.00	04:42																												
ZZZZZZ	1.00	04:44																												
ZZZZZZ	1.00	04:46																												
ZZZZZZ	1.00	04:47																												
ZZZZZZ	1.00	04:49																												
ZZZZZZ	1.00	05:43																												
ZZZZZZ	1.00	05:44																												
ZZZZZZ	1.00	05:46																												
ZZZZZZ	1.00	05:47																												
ZZZZZZ	1.00	05:49																												
CCV4	1.00	05:51																X												
CCB4	1.00	05:52																X												
ZZZZZZ	1.00	05:54																												
TB-01-32 (3-4)	1.00	05:56																X												
TB-02-32 (3-4)	1.00	05:57																X												
TB-03-32 (5-7)	1.00	05:59																X												
TB-04-32 (4-5)	1.00	06:01																X												
ZZZZZZ	1.00	06:02																												
ZZZZZZ	1.00	06:04																												
CRDL2	1.00	06:06																X												
CCV5	1.00	06:07																X												
CCB5	1.00	06:09																X												

* - Denotes additional elements (other than the standard CLP elements) are represented on another Form 14

METALS

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PREPARATION LOG

Contract: R1903959

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: TB-01-32 (3-4)

Method: CV

Sample ID	Preparation Date	Initial Weight (g)	Final Volume(mL)
LCSS	5/7/2019	0.60	100.0
PBS	5/7/2019	0.60	100.0
TB-01-32 (3-4)	5/7/2019	0.63	100.0
TB-02-32 (3-4)	5/7/2019	0.61	100.0
TB-03-32 (5-7)	5/7/2019	0.63	100.0
TB-04-32 (4-5)	5/7/2019	0.61	100.0

Comments:

METALS

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PREPARATION LOG

Contract: R1903959

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: TB-01-32 (3-4)

Method: P

Sample ID	Preparation Date	Initial Weight (g)	Final Volume(mL)
LCSS	5/7/2019	0.50	50.0
PBS	5/7/2019	0.50	50.0
TB-01-32 (3-4)	5/7/2019	0.53	50.0
TB-02-32 (3-4)	5/7/2019	0.52	50.0
TB-03-32 (5-7)	5/7/2019	0.52	50.0
TB-04-32 (4-5)	5/7/2019	0.51	50.0

Comments:

General Chemistry

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:	Day Environmental, Inc.	**Service Request:**	R1903959
Project:	32 York St/5598S-19	**Date Collected:**	04/30/19 08:35
Sample Matrix:	Soil	**Date Received:**	05/02/19 16:21
Sample Name:	TB-01-32 (1-2)	**Basis:**	As Received
Lab Code:	R1903959-001		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Total Solids	ALS SOP	**82.5**	Percent	-	1	05/07/19 07:25	

Analytical Report

Client:	Day Environmental, Inc.	**Service Request:**	R1903959
Project:	32 York St/5598S-19	**Date Collected:**	04/30/19 08:28
Sample Matrix:	Soil	**Date Received:**	05/02/19 16:21
Sample Name:	TB-01-32 (2-3)	**Basis:**	As Received
Lab Code:	R1903959-002		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Total Solids	ALS SOP	**76.6**	Percent	-	1	05/07/19 07:25	

Analytical Report

Client:	Day Environmental, Inc.	**Service Request:**	R1903959
Project:	32 York St/5598S-19	**Date Collected:**	04/30/19 08:33
Sample Matrix:	Soil	**Date Received:**	05/02/19 16:21
Sample Name:	TB-01-32 (3-4)	**Basis:**	As Received
Lab Code:	R1903959-003		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Total Solids	ALS SOP	**84.7**	Percent	-	1	05/07/19 07:25	

Analytical Report

Client:	Day Environmental, Inc.	**Service Request:**	R1903959
Project:	32 York St/5598S-19	**Date Collected:**	04/30/19 09:36
Sample Matrix:	Soil	**Date Received:**	05/02/19 16:21
Sample Name:	TB-02-32 (2-3)	**Basis:**	As Received
Lab Code:	R1903959-004		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Total Solids	ALS SOP	**85.3**	Percent	-	1	05/07/19 07:25	

Analytical Report

Client:	Day Environmental, Inc.	**Service Request:**	R1903959
Project:	32 York St/5598S-19	**Date Collected:**	04/30/19 09:34
Sample Matrix:	Soil	**Date Received:**	05/02/19 16:21
Sample Name:	TB-02-32 (3-4)	**Basis:**	As Received
Lab Code:	R1903959-005		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Total Solids	ALS SOP	**86.1**	Percent	-	1	05/07/19 07:25	

Analytical Report

Client:	Day Environmental, Inc.	**Service Request:**	R1903959
Project:	32 York St/5598S-19	**Date Collected:**	04/30/19 09:35
Sample Matrix:	Soil	**Date Received:**	05/02/19 16:21
Sample Name:	TB-02-32 (4-5)	**Basis:**	As Received
Lab Code:	R1903959-006		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Total Solids	ALS SOP	**87.4**	Percent	-	1	05/07/19 07:25	

Analytical Report

Client:	Day Environmental, Inc.	**Service Request:**	R1903959
Project:	32 York St/5598S-19	**Date Collected:**	04/30/19 10:06
Sample Matrix:	Soil	**Date Received:**	05/02/19 16:21
Sample Name:	TB-03-32 (7-8)	**Basis:**	As Received
Lab Code:	R1903959-007		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Total Solids	ALS SOP	**85.7**	Percent	-	1	05/07/19 07:25	

Analytical Report

Client:	Day Environmental, Inc.	**Service Request:**	R1903959
Project:	32 York St/5598S-19	**Date Collected:**	04/30/19 10:09
Sample Matrix:	Soil	**Date Received:**	05/02/19 16:21
Sample Name:	TB-03-32 (5-7)	**Basis:**	As Received
Lab Code:	R1903959-008		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Total Solids	ALS SOP	**84.2**	Percent	-	1	05/07/19 07:25	

Analytical Report

Client:	Day Environmental, Inc.	**Service Request:**	R1903959
Project:	32 York St/5598S-19	**Date Collected:**	04/30/19 09:08
Sample Matrix:	Soil	**Date Received:**	05/02/19 16:21
Sample Name:	TB-04-32 (1-4)	**Basis:**	As Received
Lab Code:	R1903959-009		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Total Solids	ALS SOP	**83.3**	Percent	-	1	05/07/19 07:25	

Analytical Report

Client:	Day Environmental, Inc.	**Service Request:**	R1903959
Project:	32 York St/5598S-19	**Date Collected:**	04/30/19 09:11
Sample Matrix:	Soil	**Date Received:**	05/02/19 16:21
Sample Name:	TB-04-32 (4-5)	**Basis:**	As Received
Lab Code:	R1903959-010		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Total Solids	ALS SOP	**87.7**	Percent	-	1	05/07/19 07:25	

Analytical Results Summary

Instrument Name: R-Balance-17 **Analyst:** KAWONG **Analysis Lot:** 634506 **Method/Testcode:** ALS SOP/Total Solids

Lab Code	Target Analytes	QC	Parent Sample	Matrix	Raw Result	Sample Amt.	Final Result	Dil	MDL	PQL	% Rec	% RSD	Date Analyzed	QC?	Tier
R1903954-001	Total Solids	N/A		Soil	83.38 Percent		83.4 Percent	1					5/7/19 07:25	N	IV
R1903954-002	Total Solids	N/A		Soil	85.78 Percent		85.8 Percent	1					5/7/19 07:25	N	IV
R1903954-003	Total Solids	N/A		Soil	85.35 Percent		85.3 Percent	1					5/7/19 07:25	N	IV
RQ1904208-01	Total Solids	DUP	R1903954-003	Soil	83.16 Percent		83.2 Percent	1				3	5/7/19 07:25	N	IV
R1903954-004	Total Solids	N/A		Soil	84.03 Percent		84.0 Percent	1					5/7/19 07:25	N	IV
R1903954-005	Total Solids	N/A		Soil	77.70 Percent		77.7 Percent	1					5/7/19 07:25	N	IV
RQ1904208-02	Total Solids	DUP	R1903954-005	Soil	75.38 Percent		75.4 Percent	1				3	5/7/19 07:25	N	IV
R1903954-006	Total Solids	N/A		Soil	76.46 Percent		76.5 Percent	1					5/7/19 07:25	N	IV
R1903954-007	Total Solids	N/A		Soil	81.43 Percent		81.4 Percent	1					5/7/19 07:25	N	IV
R1903954-008	Total Solids	N/A		Soil	89.50 Percent		89.5 Percent	1					5/7/19 07:25	N	IV
R1903954-009	Total Solids	N/A		Soil	84.39 Percent		84.4 Percent	1					5/7/19 07:25	N	IV
R1903954-010	Total Solids	N/A		Soil	88.85 Percent		88.8 Percent	1					5/7/19 07:25	N	IV
R1903954-011	Total Solids	N/A		Soil	83.41 Percent		83.4 Percent	1					5/7/19 07:25	N	IV

5/7/19

! indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

Instrument Name: R-Balance-17 **Analyst:** KAWONG **Analysis Lot:** 634507 **Method/Testcode:** ALS SOP/Total Solids

Lab Code	Target Analytes	QC	Parent Sample	Matrix	Raw Result	Sample Amt.	Final Result	Dil	MDL	PQL	% Rec	% RSD	Date Analyzed	QC?	Tier
R1903923-001	Total Solids	N/A		Soil	56.68 Percent		56.7 Percent	1					5/7/19 07:25	N	IV
RQ1904209-02	Total Solids	DUP	R1903923-001	Soil	55.02 Percent		55.0 Percent	1				3	5/7/19 07:25	N	IV
R1903923-002	Total Solids	N/A		Soil	86.99 Percent		87.0 Percent	1					5/7/19 07:25	N	IV
R1903923-003	Total Solids	N/A		Soil	92.36 Percent		92.4 Percent	1					5/7/19 07:25	N	IV
R1903923-004	Total Solids	N/A		Soil	81.57 Percent		81.6 Percent	1					5/7/19 07:25	N	IV
R1903923-005	Total Solids	N/A		Soil	81.71 Percent		81.7 Percent	1					5/7/19 07:25	N	IV
R1903955-001	Total Solids	N/A		Soil	81.06 Percent		81.1 Percent	1					5/7/19 07:25	N	IV
R1903967-001	Total Solids	N/A		Soil	91.15 Percent		91.1 Percent	1					5/7/19 07:25	N	II
R1903967-002	Total Solids	N/A		Soil	91.18 Percent		91.2 Percent	1					5/7/19 07:25	N	II
R1903967-003	Total Solids	N/A		Soil	91.54 Percent		91.5 Percent	1					5/7/19 07:25	N	II
R1903967-004	Total Solids	N/A		Soil	85.40 Percent		85.4 Percent	1					5/7/19 07:25	N	II
R1903967-005	Total Solids	N/A		Soil	86.99 Percent		87.0 Percent	1					5/7/19 07:25	N	II
R1903967-006	Total Solids	N/A		Soil	94.77 Percent		94.8 Percent	1					5/7/19 07:25	N	II
R1903967-007	Total Solids	N/A		Soil	91.03 Percent		91.0 Percent	1					5/7/19 07:25	N	II
R1903967-008	Total Solids	N/A		Soil	90.92 Percent		90.9 Percent	1					5/7/19 07:25	N	II
R1903967-009	Total Solids	N/A		Soil	94.96 Percent		95.0 Percent	1					5/7/19 07:25	N	II
RQ1904209-01	Total Solids	DUP	R1903967-009	Soil	94.77 Percent		94.8 Percent	1				<1	5/7/19 07:25	N	II
R1903967-010	Total Solids	N/A		Soil	87.68 Percent		87.7 Percent	1					5/7/19 07:25	N	II

5/7/19

! indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

Instrument Name: R-Balance-17 **Analyst:** KAWONG **Analysis Lot:** 634508 **Method/Testcode:** ALS SOP/Total Solids

Lab Code	Target Analytes	QC	Parent Sample	Matrix	Raw Result	Sample Amt.	Final Result	Dil	MDL	PQL	% Rec	% RSD	Date Analyzed	QC?	Tier
1903959-001	Total Solids	N/A		Soil	82.47 Percent		82.5 Percent	1					5/7/19 07:25	N	IV
1903959-002	Total Solids	N/A		Soil	76.59 Percent		76.6 Percent	1					5/7/19 07:25	N	IV
1903959-003	Total Solids	N/A		Soil	84.74 Percent		84.7 Percent	1					5/7/19 07:25	N	IV
1903959-004	Total Solids	N/A		Soil	85.30 Percent		85.3 Percent	1					5/7/19 07:25	N	IV
1903959-005	Total Solids	N/A		Soil	86.07 Percent		86.1 Percent	1					5/7/19 07:25	N	IV
1903959-006	Total Solids	N/A		Soil	87.36 Percent		87.4 Percent	1					5/7/19 07:25	N	IV
1903959-007	Total Solids	N/A		Soil	85.66 Percent		85.7 Percent	1					5/7/19 07:25	N	IV
1903959-008	Total Solids	N/A		Soil	84.22 Percent		84.2 Percent	1					5/7/19 07:25	N	IV
1903959-009	Total Solids	N/A		Soil	83.33 Percent		83.3 Percent	1					5/7/19 07:25	N	IV
Q1904210-01	Total Solids	DUP	R1903959-009	Soil	82.62 Percent		82.6 Percent	1				<1	5/7/19 07:25	N	IV
1903959-010	Total Solids	N/A		Soil	87.72 Percent		87.7 Percent	1					5/7/19 07:25	N	IV
1903897-001	Total Solids	N/A		Soil	97.02 Percent		97.0 Percent	1					5/7/19 07:25	N	II
1903957-001	Total Solids	N/A		Soil	86.65 Percent		86.7 Percent	1					5/7/19 07:25	N	IV
1903957-002	Total Solids	N/A		Soil	86.82 Percent		86.8 Percent	1					5/7/19 07:25	Y	IV
Q1904210-02	Total Solids	DUP	R1903957-002	Soil	86.26 Percent		86.3 Percent	1				<1	5/7/19 07:25	N	IV
1903957-003	Total Solids	N/A		Soil	88.24 Percent		88.2 Percent	1					5/7/19 07:25	N	IV
1903957-004	Total Solids	N/A		Soil	91.90 Percent		91.9 Percent	1					5/7/19 07:25	N	IV
1903957-005	Total Solids	N/A		Soil	87.58 Percent		87.6 Percent	1					5/7/19 07:25	N	IV
1903957-006	Total Solids	N/A		Soil	88.05 Percent		88.0 Percent	1					5/7/19 07:25	N	IV
1903957-007	Total Solids	N/A		Soil	84.34 Percent		84.3 Percent	1					5/7/19 07:25	N	IV
1903957-008	Total Solids	N/A		Soil	92.45 Percent		92.4 Percent	1					5/7/19 07:25	N	IV

5/7/19

! indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analyte: % Volatile Solids
Method: SM20 2540G
Analytes: Dry Weight % Solid
Method : ALS SOP

Analyst: **KW** Date: 5/7/19
Pipet: NA Time: 7:25
Thermolyne F48025-6048000 Muffle Furnace
Balance ID R-BALANCE-018 17 KW 5/7/19 **Oven ID** 7
Class 1 Weight Initial: 9.99 Final: 9.99

% Volatile Solids:
% VS = (A - D) / (A - B) * 100

% Solids:
% Solid = (A - B) / (C - B) * 100

Where: A = wgt (g) of dried residue + dish
B = wgt (g) of tared dish
C = wgt (g) of wet sample + dish
D = wgt (g) of residue + dish after ign. @550 C.

	Misc.	Order #	Dish ID	Before Ignition / Wet Weight (g)		After Ignition / Dry Weight (g)		% Volatile Solids	% Solids
1		MB	1	B)	2.4700	Dry wgt (A):	2.4700		1.00
				C)		550 wgt (D):			
2		R1903959-001	2	B)	2.4000	Dry wgt (A):	11.1500		82.47
				C)	13.0100	550 wgt (D):			
3		R1903959-002	3	B)	2.4200	Dry wgt (A):	10.2400		76.59
				C)	12.6300	550 wgt (D):			
4		R1903959-003	4	B)	2.4600	Dry wgt (A):	11.0100		84.74
				C)	12.5500	550 wgt (D):			
5		R1903959-004	5	B)	2.4200	Dry wgt (A):	11.2400		85.30
				C)	12.7600	550 wgt (D):			
6		R1903959-005	6	B)	2.4700	Dry wgt (A):	11.6800		86.07
				C)	13.1700	550 wgt (D):			
7		R1903959-006	7	B)	2.4800	Dry wgt (A):	11.8100		87.36
				C)	13.1600	550 wgt (D):			
8		R1903959-007	8	B)	2.4600	Dry wgt (A):	12.0800		85.66
				C)	13.6900	550 wgt (D):			
9		R1903959-008	9	B)	2.4000	Dry wgt (A):	11.4200		84.22
				C)	13.1100	550 wgt (D):			
10		R1903959-009	10	B)	2.4400	Dry wgt (A):	10.9900		83.33
				C)	12.7000	550 wgt (D):			
11		R1903959-009 DUP	11	B)	2.4100	Dry wgt (A):	11.3000		82.62
				C)	13.1700	550 wgt (D):			
12		R1903959-010	12	B)	2.3900	Dry wgt (A):	11.9600		87.72
				C)	13.3000	550 wgt (D):			
13		R1903897-001	13	B)	2.4000	Dry wgt (A):	12.1800		97.02
				C)	12.4800	550 wgt (D):			
14		R1903957-001	14	B)	2.4000	Dry wgt (A):	11.3600		86.65
				C)	12.7400	550 wgt (D):			
15		R1903957-002	15	B)	2.4200	Dry wgt (A):	11.5100		86.82
				C)	12.8900	550 wgt (D):			
16		R1903957-002 DUP	16	B)	2.4100	Dry wgt (A):	11.6400		86.26
				C)	13.1100	550 wgt (D):			
17		R1903957-003	17	B)	2.4200	Dry wgt (A):	11.4200		88.24
				C)	12.6200	550 wgt (D):			
18		R1903957-004	18	B)	2.4100	Dry wgt (A):	11.7100		91.90
				C)	12.5300	550 wgt (D):			
19		R1903957-005	19	B)	2.3800	Dry wgt (A):	11.9000		87.58
				C)	13.2500	550 wgt (D):			
20		R1903957-006	20	B)	2.3900	Dry wgt (A):	12.4100		88.05
				C)	13.7700	550 wgt (D):			

Analyte: % Volatile Solids
Method: SM20 2540G
Analytes: Dry Weight % Solid
Method : ALS SOP

Analyst: KW Date: 5/7/19
Pipet: NA Time: 7:25
Thermolyne F48025-6048000 Muffle Furnace
Balance ID R-BALANCE-018 17 KW 5/7/19 **Oven ID** 7
Class 1 Weight Initial: 9.99 Final: 9.99

% Volatile Solids:
% VS = (A - D) / (A - B) * 100

% Solids:
% Solid = (A - B) / (C - B) * 100

Where: A = wgt (g) of dried residue + dish
B = wgt (g) of tared dish
C = wgt (g) of wet sample + dish
D = wgt (g) of residue + dish after ign. @550 C.

	Misc.	Order #	Dish ID	Before Ignition / Wet Weight (g)		After Ignition / Dry Weight (g)		% Volatile Solids	% Solids
21		R1903957-007	21	B)	2.3900	Dry wgt (A):	11.6500		84.34
				C)	13.3700	550 wgt (D):			
22		R1903957-008	22	B)	2.3900	Dry wgt (A):	12.0600		92.45
				C)	12.8500	550 wgt (D):			
23		MB	23	B)	2.4500	Dry wgt (A):	2.4400		1.00
				C)		550 wgt (D):			
24		R1903923-001	24	B)	2.4000	Dry wgt (A):	8.7200		56.68
				C)	13.5500	550 wgt (D):			
25		R1903923-001 DUP	25	B)	2.4400	Dry wgt (A):	8.3000		55.02
				C)	13.0900	550 wgt (D):			
26		R1903923-002	26	B)	2.4700	Dry wgt (A):	11.2300		86.99
				C)	12.5400	550 wgt (D):			
27		R1903923-003	27	B)	2.4800	Dry wgt (A):	12.2700		92.36
				C)	13.0800	550 wgt (D):			
28		R1903923-004	28	B)	2.4900	Dry wgt (A):	10.9900		81.57
				C)	12.9100	550 wgt (D):			
29		R1903923-005	29	B)	2.4700	Dry wgt (A):	10.7800		81.71
				C)	12.6400	550 wgt (D):			
30		R1903955-001	30	B)	2.4700	Dry wgt (A):	10.9000		81.06
				C)	12.8700	550 wgt (D):			
31		R1903967-001	31	B)	2.4000	Dry wgt (A):	12.1800		91.15
				C)	13.1300	550 wgt (D):			
32		R1903967-002	32	B)	2.3800	Dry wgt (A):	11.9900		91.18
				C)	12.9200	550 wgt (D):			
33		R1903967-003	33	B)	2.4400	Dry wgt (A):	11.7500		91.54
				C)	12.6100	550 wgt (D):			
34		R1903967-004	34	B)	2.4600	Dry wgt (A):	11.3500		85.40
				C)	12.8700	550 wgt (D):			
35		R1903967-005	35	B)	2.4400	Dry wgt (A):	12.2700		86.99
				C)	13.7400	550 wgt (D):			
36		R1903967-006	36	B)	2.4400	Dry wgt (A):	12.0500		94.77
				C)	12.5800	550 wgt (D):			
37		R1903967-007	37	B)	2.4800	Dry wgt (A):	11.6100		91.03
				C)	12.5100	550 wgt (D):			
38		R1903967-008	38	B)	2.5000	Dry wgt (A):	12.0100		90.92
				C)	12.9600	550 wgt (D):			
39		R1903967-009	39	B)	2.4400	Dry wgt (A):	12.0400		94.96
				C)	12.5500	550 wgt (D):			
40		R1903967-009 DUP	40	B)	2.5200	Dry wgt (A):	12.1200		94.77
				C)	12.6500	550 wgt (D):			

Analyte: % Volatile Solids
Method: SM20 2540G
Analytes: Dry Weight % Solid
Method : ALS SOP

Analyst: KW Date: 5/7/19
Pipet: NA Time: 7:25
Thermolyne F48025-6048000 Muffle Furnace
Balance ID R-BALANCE-018 ~~17~~ RMW 5/7/19 **Oven ID** 7
Class 1 Weight Initial: 9.99 Final: 9.99

% Volatile Solids:
% VS = (A - D) / (A - B) * 100

% Solids:
% Solid = (A - B) / (C - B) * 100

Where: A = wgt (g) of dried residue + dish
B = wgt (g) of tared dish
C = wgt (g) of wet sample + dish
D = wgt (g) of residue + dish after ign. @550 C.

	Misc.	Order #	Dish ID	Before Ignition / Wet Weight (g)		After Ignition / Dry Weight (g)		% Volatile Solids	% Solids
41		R1903967-010	41	B)	2.4500	Dry wgt (A):	12.4100		87.68
				C)	13.8100	550 wgt (D):			
42		MB	42	B)	2.5000	Dry wgt (A):	2.5200		1.00
				C)		550 wgt (D):			
43		R1903954-001	43	B)	2.4400	Dry wgt (A):	11.5200		83.38
				C)	13.3300	550 wgt (D):			
44		R1903954-002	44	B)	2.4300	Dry wgt (A):	11.3600		85.78
				C)	12.8400	550 wgt (D):			
45		R1903954-003	45	B)	2.4700	Dry wgt (A):	11.1500		85.35
				C)	12.6400	550 wgt (D):			
46		R1903954-003 DUP	46	B)	2.4500	Dry wgt (A):	11.2900		83.16
				C)	13.0800	550 wgt (D):			
47		R1903954-004	47	B)	2.4200	Dry wgt (A):	11.3100		84.03
				C)	13.0000	550 wgt (D):			
48		R1903954-005	48	B)	2.4700	Dry wgt (A):	10.9000		77.70
				C)	13.3200	550 wgt (D):			
49		R1903954-005 DUP	49	B)	2.4300	Dry wgt (A):	10.3600		75.38
				C)	12.9500	550 wgt (D):			
50		R1903954-006	50	B)	2.4500	Dry wgt (A):	10.5700		76.46
				C)	13.0700	550 wgt (D):			
51		R1903954-007	51	B)	2.4800	Dry wgt (A):	10.6800		81.43
				C)	12.5500	550 wgt (D):			
52		R1903954-008	52	B)	2.4500	Dry wgt (A):	12.3400		89.50
				C)	13.5000	550 wgt (D):			
53		R1903954-009	53	B)	2.4100	Dry wgt (A):	11.4900		84.39
				C)	13.1700	550 wgt (D):			
54		R1903954-010	54	B)	2.3900	Dry wgt (A):	11.6300		88.85
				C)	12.7900	550 wgt (D):			
55		R1903954-011	55	B)	2.4600	Dry wgt (A):	11.4100		83.41
				C)	13.1900	550 wgt (D):			

ALS Environmental
1565 Jefferson Rd., Rochester, NY 14623

General Chemistry Analytical Run Cover Sheet

Analyst: KAGONCE Date: 5/7/19

Analysis: % Solids Instrument: X R-Balance-17
___ R-Balance-18

Quality Control:

	Log Book #	Log Book Date	Log Book Page #	Stock Sol (m/Ls)	Stock Sol (mg/L)	Final Vol (mLs)	True Value (mg/L)
a) Standards Prep.:							
b) I/CCV Preparation:							
c) LCS Preparation:							
d) Matrix Spike Prep.:							

Instrument log filled in? (Y) (N)

Comments:

Production (optional):

	Start Time	End Time	Total (minutes)
Preparation Time :			
Analytical Time:			
Finish Time:			

# of Samples (including Mtx QC): _____
Repeats due to Sample: _____
Repeats due to Error: _____

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APPENDIX D

Disposal Documentation for Investigation-Derived Waste

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number:

2. Page 1 of: 1

3. Emergency Response Phone: 800-807-7455

4. Waste Tracking Number: 19-086T

5. Generator's Name and Mailing Address
CITY OF ROCHESTER
30 CHURCH ST. RM 300B
ROCHESTER NY 14614

Generator's Site Address (if different than mailing address)
CITY OF ROCHESTER
24-32 YORK STREET
ROCHESTER NY 14611

Generator's Phone:

6. Transporter 1 Company Name: SUN ENVIRONMENTAL CORP.
U.S. EPA ID Number: NYR000176958

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
CYCLE CHEM, INC.
550 INDUSTRIAL DR.
LEWISBERRY PA 17339
Facility's Phone: 717 938-4700
U.S. EPA ID Number: PAD067098822

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	NON RCRA, NON DOT REGULATED SOLIDS (SOIL CUTTINGS)	001	DM	00550	P	
2.	NON RCRA, NON DOT REGULATED LIQUIDS (PURGEWATER)	001	DM	00400	P	
3.						
4.						

13. Special Handling Instructions and Additional Information
JOB# DAYE.1019 SUN PO# R40535 SIGNED PROFILES ATTACHED
1. 75490-LD (55 GAL)
2. 75498-OW (55 GAL)

GENERATOR

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: SHERRIE A. LYNCH ON BEHALF OF GENERATOR
Signature: Sherrie A. Lynch
Month: 06 Day: 14 Year: 19

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: RICHARD EVERAGE
Signature: Richard Everage
Month: 6 Day: 14 Year: 19
Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
17b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:
17c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name:
Signature:
Month: Day: Year:

169-BLS-C 5 11979 (Rev. 9/09)

DESIGNATED FACILITY TO GENERATOR