Fleming Lee Shue

Environmental Management & Consulting

May 12, 2020

Mr. Christopher Allan
New York State Department of Environmental Conservation
Hunters Point Plaza, 47-40 21st Street
Long Island City, NY 11101

Re: **Semi-Annual Groundwater Monitoring Report**
Info Tech High School – 21-16 44th Road, Long Island City, NY 11101
NYSDEC VCP Site Number V00366-2

Dear Mr. Allan:

Fleming-Lee Shue, Inc. (FLS) presents this Semi-Annual Groundwater Monitoring Report for NYSDEC VCP Site Number V00366-2 located at 21-16 44th Road in Long Island City, New York (the Site). The Site is currently in Site Management and this groundwater monitoring event was completed in accordance with the New York State Department of Environmental Conservation (NYSDEC) approved Site Management Plan (SMP) dated September 2008 and the subsequent Site Management Plan Modifications dated June 2017 and December 2018. FLS replaced Leggete, Brashears & Graham Inc. (LBG) as the lead consultant for the Site in June 2017.

Background

The Site was enrolled in the Voluntary Cleanup Program (VCP) as Site Number V00366-2 in September 2000. The Site is approximately 44,500 square feet and is currently occupied by Information Technology High School. The Site is comprised of the school building, a courtyard and an alley on the eastern side of the building. The Site is a former drapery hardware manufacturer and the eastern portion of the Site was used for metal cleaning, painting, degreasing, oil-extraction, plating and painting. The building was converted to a high school in 2003.

Findings presented in the 2002 Remedial Investigation Report by LBG revealed high concentrations of volatile organic compounds (VOC), primarily tetrachloroethylene (PCE) and other chlorinated solvents, in soil, groundwater and soil vapor. Concentrations of chlorinated solvents are attributed to the degreasing operation formerly located along the interior south wall

as well as the solvent storage area located immediately outside the building adjacent to the degreasing machine.

The remedial actions, outlined in the Remedial Action Work Plan submitted by LBG in 2003, included the removal of contaminated soil, basement ash, and sediment. Engineering controls installed include a vapor barrier, sub-slab depressurization system (SSDS), groundwater pump and treat system, and soil vapor extraction (SVE) system. The SVE system was shut down and associated monitoring discontinued in October 2010 due to consistently low and/or non-detect VOC concentrations. As per LBG's monthly inspection report, any monitoring of SVE wells will only be performed at the request of NYSDEC. The groundwater pump and treat system was disabled on April 28, 2014 and monitoring discontinued in the second quarter of 2014 due to reduced concentrations of VOCs in groundwater and as per approval provided by NYSDEC on April 24, 2014.

Geology and Hydrogeology

As presented in the SMP prepared by LBG dated September 2008, the Site is located in the Atlantic Coastal Plain physiographic province. The geology of this province is comprised of interbedded layers of sand, clay and marl. In Long Island, the marine deposits are overlain by drift. The marine deposits are Cretaceous and Quaternary. The drift deposits are derived from glacial activity that occurred during the Pleistocene. The total thickness of the marine and glacial deposits in Queens County ranges from 0 foot in northwestern Queens to 1,100 feet thick in southeastern Queens.

The groundwater resources that underlie western Long Island is composed of a series of unconsolidated deposits of sand, gravel and clay of late Cretaceous and Pleistocene age. The principal water-bearing units that provide usable quantities of water are the Upper Glacial Aquifer, the Jameco Aquifer, the Magothy Aquifer and the Lloyd Aquifer. Except for the Upper Glacial Aquifer and Jameco Aquifer, these units are vertically separated from each other by confining clay units.

The SMP indicates that the topography of the Site area is generally level. Prior investigations have shown the ground surface elevations at the Site are approximately 15 feet above mean sea level. Shallow sediments beneath the Site consist primarily of silt and ash/fill material, underlain by fine to medium sand. The upper silt layer is between 4 and 16 feet thick and exists across most of the Site. Beneath the silt layer is a layer of fine to medium sand, which was encountered in all areas of the Site. The sand extends down to the bedrock surface, which was encountered between 17 and 27 feet below grade (fbg). During drilling activities overseen by LBG, groundwater was reportedly encountered in the sand layer, approximately 4 fbg beneath the basement and 13 fbg across the remainder of the Site.

Groundwater Elevations Measurements

Prior to sampling, a synoptic round of water-level measurements was collected on April 2, 2020 using a water-level meter. Well gauging results and well specification details are provided in Table

2. Groundwater elevations ranged from 0.10 ft-above mean sea level (amsl) (BMRW-1) to 0.75 ft-amsl (RW-1 and MW-8). Historically, groundwater flow has been to the south, however, during the last gauging event localized groundwater flow was measured to be towards the west.

Groundwater Monitoring Program

The objectives of the groundwater monitoring program include the following:

- Provide a current round of groundwater analytical data from the monitoring wells; and
- Evaluate the existing groundwater conditions and chlorinated VOC concentration (tetrachloroethene [PCE] and trichloroethene [TCE]) trends at the Site.

The groundwater monitoring program involves the following activities:

- Measurement of groundwater field parameters including pH, dissolved oxygen (DO), total dissolved solids (TDS), conductivity, oxidation-reduction potential (ORP), turbidity, salinity, and temperature to determine groundwater conditions; and

- Collection of groundwater samples analyzed for VOCs to evaluate chlorinated VOC concentration trends and monitor natural attenuation.

Groundwater Sampling Procedures

Following the water-level measurements, groundwater samples were collected from eight on-Site monitoring wells (MW-6, MW-7, MW-8, MW-9, BMRW-1, BMRW-2, BMRW-3 and RW-1) and the one off-Site monitoring well (MW-1).

Groundwater samples were collected using the low-flow sampling method (EPA Low-Flow Groundwater Sampling Procedures, April 1996). Each monitoring well was purged prior to sampling using a peristaltic pump until groundwater parameters (temperature, pH, DO, conductivity, ORP, TDS, and turbidity) stabilized or three well volumes of water were purged. Water-quality measurements were monitored using a Horiba U-52 multi-parameter water-quality meter. The monitoring well purging logs are included in Appendix A.

After the stabilization of the groundwater parameters, samples were collected via dedicated pump tubing directly into laboratory-supplied containers. After sample collection each container was labeled, placed on ice in an insulated cooler and transported under chain-of-custody protocol to SGS Accutest Laboratories of Dayton, New Jersey, a New York Environmental Laboratory Approval Program Certified Laboratory. The groundwater samples were analyzed for Target Compounds List (TCL) VOCs by EPA Method 8260C.

Summary of Analytical Results

The groundwater analytical results were compared to the NYSDEC Division of Water Technical and Operational Guidance Series 1.1.1 Ambient Water Quality Standards and Guidance Values (TOGS Standard) and are summarized in Table 3. Figure 2 presents the results on the Site Plan, and the laboratory data report is provided in Appendix B.

Analytical groundwater results generally show that the majority of VOCs were non-detect or below the TOGS Standard at all monitoring well locations. The exception being PCE and its associated degradation daughter products (i.e. TCE and cis-1,2 dichloroethene). PCE was detected in all nine of the monitoring wells sampled and ranged from 25.2 µg/L (MW-7) to 2,670 µg/L (MW-1). The highest concentrations were present at BMRW-3 (583 µg/L), BMRW-2 (713 µg/L), and MW-1 (2,670 µg/L), generally indicates PCE contamination may be localized to two distinct areas, the bedrock wells in the center of the Site and a separate off-site source affecting overburden near MW-1 on 44th Road.

Similarly, analytical results show that TCE was detected in all nine of the monitoring wells sampled and at a concentration exceeding the TOGS Standard in four out of the nine wells sampled. Concentrations of TCE ranged from 0.79 µg/L (MW-7) to 112 µg/L (BMRW-3). TCE concentrations were above the TOGS Standard in BMRW-1 (9.6 µg/L), MW-1 (13.6 µg/L), BMRW-2 (93.6 µg/L) and BMRW-3 (112 µg/L).

Concentrations of cis-1,2-Dichloroethene (cis-DCE) ranged from non-detect in MW-1, MW-6, MW-7 and MW-8 to 73.8 µg/L in RW-1. Cis-DCE exceeded the TOGS Standard in BMRW-2 (21.1 µg/L), BMRW-3 (22.2 µg/L) and RW-1 (73.8 µg/L). Similar to PCE, the highest concentrations of daughter products TCE and cis-DCE appear to be localized to the center of the Site near the former drum storage area.

Table 4 – VOC Summary

		Sample Name								
Volatile Organic Compound	TOGS Standard	MW-1	MW-6	MW-7	MW-8	MW-9	BMRW-1	BMRW-2	BMRW-3	RW-1
Cis-DCE	5	ND	ND	ND	ND	1	2.8	**21.1**	**22.2**	**73.8**
TCE	5	**13.6**	1.9	0.79	1.5	3.4	**9.6**	**93.6**	**112**	1.7
PCE	5	**2670**	**55.3**	**25.2**	**31.6**	**44.9**	**78.9**	**713**	**583**	**55.1**

*All concentrations are in µg/L
Concentrations above the TOGS Standard are in bold. ND = Not detected above laboratory reporting limit.

Conclusions and Recommendations

The only compounds exceeding TOGS Standards during this sampling event were chlorinated solvents PCE, TCE and cis-DCE. PCE concentrations exceeded TOGS Standards in all nine wells sampled. Concentrations of TCE exceeded in four of the nine wells and cis-DCE exceeded in three

of the nine wells. Graphs plotting PCE and TCE concentration trends over time are included as an attachment.

PCE and TCE concentrations have decreased or remained at stable concentrations at the majority of well locations for the last five sampling events. The only exception were concentrations of chlorinated solvents found in MW-1 and BMRW-1. The highest PCE concentration was identified at MW-1 (2,670 µg/L). Concentrations at MW-1 increased from the last sampling event on September 10, 2019 (1,220 µg/L). However, this concentration remains an overall decrease from the historical maximum concentration (4,600 µg/L) recorded during the September 26, 2016 groundwater monitoring event. It is likely the high PCE concentrations found in MW-1 may originate from an off-site source, as no overburden wells on-Site have exhibited similar concentrations. Evaluating the trend of PCE concentrations over time, concentrations have increased (on average) since September 2011, however, since 2016 concentrations have exhibited an overall decreasing trend.

The highest TCE concentration identified during this event were within BMRW-3 (112 µg/L). Concentrations of TCE decreased from the last sampling event on September 2019 (176 µg/L). TCE concentrations present in these wells are likely the result of natural PCE dechlorination and degradation into its associated daughter products. As natural attenuation of the contaminant continues, variation in daughter product concentrations (TCE and all DCE stereoisomers) can be expected. As illustrated in the provided graphs, while concentrations of TCE remain above the TOGS Standard in four of the monitoring wells, the trends appear to be stable (with slight seasonal variability) throughout the sampling history.

Generally, on-Site contaminant concentrations appear to be isolated to the bedrock wells in the center of the Site from the former drum storage area. Additionally, highest concentrations of chlorinated solvents have been observed in deeper wells. It should be noted that historically, chlorinated solvent impacts related to Site use were isolated to the overburden. Therefore, the increase of PCE concentrations in bedrock monitoring wells from 2011 to 2016 strongly suggests an off-Site source contributing to the residual dissolved phase impacts on Site. Regardless, since 2016 PCE has continued to degrade in all high concentration areas including the bedrock wells. This trend will likely continue forward and therefore variability in PCE daughter products will likely occur as the natural attenuation process continues.

Semi-annual groundwater monitoring will continue in accordance with the approved modified SMP to further assess groundwater quality and the potential for off-Site sources impacting the Site. The next groundwater monitoring event is scheduled for October 2020.

Please contact us with any comments or questions.

Sincerely,

Fleming-Lee Shue, Inc.

Mark Hutson, P.G.
Associate

cc:	John Belanich	Bell Realty (e-copy)
	Joseph Reed	ITHS (e-copy)
	Scarlet McLaughlin	NYSDOH (e-copy)

enc**:**	Table 1	Groundwater Monitoring and Sampling Summary
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	Table 3	Volatile Organic Compounds in Groundwater
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Tables

Table 1
Groundwater Monitoring and Sampling Summary
Semi-Annual Groundwater Monitoring Report
Info Tech High School, VCP Site No. V00366-2

Well-ID	Date Gauged/Sampled	TCL VOCs
MW-1	4/2/2020	x
MW-6	4/2/2020	x
MW-7	4/2/2020	x
MW-8	4/2/2020	x
MW-9	4/2/2020	x
BMRW-1	4/2/2020	x
BMRW-2	4/2/2020	x
BMRW-3	4/2/2020	x
RW-1	4/2/2020	x

Notes:
TCL VOCs - Target Compound List Volatile Organic Compounds

Table 2
Monitoring Well Gauging Results
Semi-Annual Groundwater Monitoring Report
Info Tech High School, VCP Site No. V00366-2

Well ID	Total Depth feet	Well diameter inches	Top of Casing Elevation ft-msl	Depth to Water ft-btc	Groundwater Elevation ft-msl
MW-1	19.20	2.0	16.67	16.31	0.36
MW-6	25.71	4.0	17.29	16.63	0.66
MW-7	21.39	4.0	17.19	16.54	0.65
MW-8	15.02	4.0	8.87	8.12	0.75
MW-9	15.86	4.0	8.91	8.18	0.73
BMRW-1	26.06	2.0	16.86	16.76	0.10
BMRW-2	32.58	2.0	16.90	16.24	0.66
BMRW-3	28.56	2.0	16.92	16.22	0.70
RW-1	21.81	8.0	16.17	15.42	0.75

Notes:
Gauging conducted on 4/2/2020
ft-msl = feet relative to mean sea level
- = Not Applicable

Table 3
Volatile Organic Compounds in Groundwater
Semi-Annual Groundwater Monitoring Report
Info Tech High School, VCP Site No. V00366-2

Sample ID		MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-2	MW-2	MW-2	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7
Lab Sample ID	Class GA	JC51932-2	JC63263-6	JC74822-1	JC86484-1	JC94740-1	JD5554-1	JC51932-1	JC63263-8	JC74822-2	JC51932-7	JC63263-9	JC74822-5	JC86484-5	JC94740-7	JD5554-5	JC51932-4	JC63263-1	JC74822-10	JC86484-6	JC94740-9	JD5554-6
Date Sample Collected	Standards	9/27/2017	3/29/2018	9/28/2018	4/16/2019	9/10/2019	4/2/2020	9/27/2017	3/29/2018	9/28/2018	9/27/2017	3/29/2018	9/28/2018	4/16/2019	9/10/2019	4/2/2020	9/27/2017	3/29/2018	9/28/2018	4/16/2019	9/10/2019	4/2/2020
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Ground Water	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Ground Water	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Ground Water
Volatile Organic Compounds																						
Acetone	-	ND (5.0)	ND (5.0)	ND (30) a	ND (30)	ND (12)	ND (60)	ND (5.0)	ND (5.0)	ND (6.0)	ND (5.0)	ND (5.0)	ND (6.0) a	ND (6.0)	ND (6.0)	ND (6.0)	ND (5.0)	ND (5.0)	ND (6.0) a	ND (6.0)	ND (6.0)	ND (6.0)
Benzene	1	ND (0.17)	ND (0.17)	ND (2.1)	ND (2.1)	ND (0.85)	ND (4.3)	ND (0.17)	ND (0.17)	ND (0.43)	ND (0.17)	ND (0.17)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.17)	ND (0.17)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)
Bromochloromethane	5	ND (0.38)	ND (0.38)	ND (2.4)	ND (2.4)	ND (0.96)	ND (4.8)	ND (0.38)	ND (0.38)	ND (0.48)	ND (0.38)	ND (0.38)	ND (0.48)	ND (0.48)	ND (0.48)	ND (0.48)	ND (0.38)	ND (0.38)	ND (0.48)	ND (0.48)	ND (0.48)	ND (0.48)
Bromodichloromethane	-	ND (0.22)	ND (0.22)	ND (2.9)	ND (2.9)	ND (1.2)	ND (5.8)	ND (0.22)	ND (0.22)	ND (0.58)	ND (0.22)	ND (0.22)	ND (0.58)	ND (0.58)	ND (0.58)	ND (0.58)	ND (0.22)	ND (0.22)	ND (0.58)	ND (0.58)	ND (0.58)	ND (0.58)
Bromoform	-	ND (0.42)	ND (0.42)	ND (3.2)	ND (3.2)	ND (1.3)	ND (6.3)	ND (0.42)	ND (0.42)	ND (0.63)	ND (0.42)	ND (0.42)	ND (0.63)	ND (0.63)	ND (0.63)	ND (0.63)	ND (0.42)	ND (0.42)	ND (0.63)	ND (0.63)	ND (0.63)	ND (0.63)
Bromomethane	5	ND (1.4)	ND (1.4)	ND (8.2)	ND (8.2) a	ND (3.3)	ND (16)	ND (1.4)	ND (1.4)	ND (1.6)	ND (1.4)	ND (1.4)	ND (1.6)	ND (1.6) a	ND (1.6)	ND (1.6)	ND (1.4)	ND (1.4)	ND (1.6)	ND (1.6) a	ND (1.6)	ND (1.6)
2-Butanone (MEK)	-	ND (4.8)	ND (4.8)	ND (34) a	ND (34)	ND (14)	ND (69)	ND (4.8)	ND (4.8)	ND (6.9)	ND (4.8)	ND (4.8)	ND (6.9) a	ND (6.9)	ND (6.9)	ND (6.9)	ND (4.8)	ND (4.8)	ND (6.9) a	ND (6.9)	ND (6.9)	ND (6.9)
Carbon disulfide	60	ND (0.23)	ND (0.50)	ND (4.8)	ND (4.8)	ND (1.9)	ND (9.5)	ND (0.23)	ND (0.50)	ND (0.95)	ND (0.23)	ND (0.50)	ND (0.95)	ND (0.95)	ND (0.95)	ND (0.95)	ND (0.23)	ND (0.50)	ND (0.95)	ND (0.95)	ND (0.95)	ND (0.95)
Carbon tetrachloride	5	ND (0.34)	ND (0.34)	ND (2.8)	ND (2.8)	ND (1.1)	ND (5.5)	ND (0.34)	ND (0.34)	ND (0.55)	ND (0.34)	ND (0.34)	ND (0.55)	ND (0.55)	ND (0.55)	ND (0.55)	ND (0.34)	ND (0.34)	ND (0.55)	ND (0.55)	ND (0.55)	ND (0.55)
Chlorobenzene	5	ND (0.24)	ND (0.24)	ND (2.8)	ND (2.8)	ND (1.1)	ND (5.6)	ND (0.24)	ND (0.24)	ND (0.56)	ND (0.24)	ND (0.24)	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.24)	ND (0.24)	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.56)
Chloroethane	5	ND (0.59)	ND (0.59)	ND (3.6)	ND (3.6)	ND (1.5)	ND (7.3)	ND (0.59)	ND (0.59)	ND (0.73)	ND (0.59)	ND (0.59)	ND (0.73)	ND (0.73)	ND (0.73)	ND (0.73)	ND (0.59)	ND (0.59)	ND (0.73)	ND (0.73)	ND (0.73)	ND (0.73)
Chloroform	7	ND (0.29)	ND (0.29)	ND (2.5)	ND (2.5)	ND (1.0)	ND (5.0)	ND (0.29)	ND (0.29)	ND (0.50)	ND (0.29)	0.31 J	ND (0.50)	ND (0.50)	ND (0.50)	0.72 J	ND (0.29)	ND (0.29)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Chloromethane	5	ND (0.53)	ND (0.53)	ND (3.8)	ND (3.8) a	ND (1.5)	ND (7.6)	ND (0.53)	ND (0.53)	ND (0.76)	ND (0.53)	ND (0.53)	ND (0.76)	ND (0.76) a	ND (0.76)	ND (0.76)	ND (0.53)	ND (0.53)	ND (0.76)	ND (0.76) a	ND (0.76)	ND (0.76)
Cyclohexane	-	ND (0.63)	ND (0.63)	ND (3.9)	ND (3.9)	ND (1.6)	ND (7.8)	ND (0.63)	ND (0.63)	ND (0.78)	ND (0.63)	ND (0.63)	ND (0.78)	ND (0.78)	ND (0.78)	ND (0.78)	ND (0.63)	ND (0.63)	ND (0.78)	ND (0.78)	ND (0.78)	ND (0.78)
1,2-Dibromo-3-chloropropane	0.04	ND (0.69)	ND (0.69)	ND (6.0)	ND (6.0)	ND (2.4)	ND (12)	ND (0.69)	ND (0.69)	ND (1.2) b	ND (0.69)	ND (0.69)	ND (1.2)	ND (1.2)	ND (1.2)	ND (1.2)	ND (0.69)	ND (0.69)	ND (1.2)	ND (1.2)	ND (1.2)	ND (1.2)
Dibromochloromethane	-	ND (0.16)	ND (0.16)	ND (2.8)	ND (2.8)	ND (1.1)	ND (5.6)	ND (0.16)	ND (0.16)	ND (0.56)	ND (0.16)	ND (0.16)	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.16)	ND (0.16)	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.56)
1,2-Dibromoethane	0.0006	ND (0.21)	ND (0.21)	ND (2.4)	ND (2.4)	ND (0.95)	ND (4.8)	ND (0.21)	ND (0.21)	ND (0.48)	ND (0.21)	ND (0.21)	ND (0.48)	ND (0.48)	ND (0.48)	ND (0.48)	ND (0.21)	ND (0.21)	ND (0.48)	ND (0.48)	ND (0.48)	ND (0.48)
1,2-Dichlorobenzene	3	ND (0.50)	ND (0.50)	ND (2.7)	ND (2.7)	ND (1.1)	ND (5.3)	ND (0.50)	ND (0.50)	ND (0.53)	ND (0.50)	ND (0.50)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.50)	ND (0.50)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)
1,3-Dichlorobenzene	3	ND (0.50)	ND (0.50)	ND (2.7)	ND (2.7)	ND (1.1)	ND (5.4)	ND (0.50)	ND (0.50)	ND (0.54)	ND (0.50)	ND (0.50)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.50)	ND (0.50)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)
1,4-Dichlorobenzene	3	ND (0.50)	ND (0.50)	ND (2.5)	ND (2.5)	ND (1.0)	ND (5.1)	ND (0.50)	ND (0.50)	ND (0.51)	ND (0.50)	ND (0.50)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.50)	ND (0.50)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)
Dichlorodifluoromethane	5	ND (1.9)	ND (1.9)	ND (6.8)	ND (6.8) a	ND (2.7)	ND (14)	ND (1.9)	ND (1.9)	ND (1.4)	ND (1.9)	ND (1.9)	ND (1.4)	ND (1.4) a	ND (1.4)	ND (1.4)	ND (1.9)	ND (1.9)	ND (1.4)	ND (1.4) a	ND (1.4)	ND (1.4)
1,1-Dichloroethane	5	ND (0.21)	ND (0.21)	ND (2.8)	ND (2.8)	ND (1.1)	ND (5.7)	ND (0.21)	ND (0.21)	ND (0.57)	ND (0.21)	ND (0.21)	ND (0.57)	ND (0.57)	ND (0.57)	ND (0.57)	ND (0.21)	ND (0.21)	ND (0.57)	ND (0.57)	ND (0.57)	ND (0.57)
1,2-Dichloroethane	0.6	ND (0.20)	ND (0.20)	ND (3.0)	ND (3.0)	ND (1.2)	ND (6.0)	ND (0.20)	ND (0.20)	ND (0.60)	ND (0.20)	ND (0.20)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.20)	ND (0.20)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)
1,1-Dichloroethene	5	ND (0.47)	ND (0.47)	ND (3.0)	ND (3.0)	ND (1.2)	ND (5.9)	ND (0.47)	ND (0.47)	ND (0.59)	ND (0.47)	ND (0.47)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.47)	ND (0.47)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)
cis-1,2-Dichloroethene	5	ND (0.50)	0.51 J	ND (2.5)	3.0 J	ND (1.0)	ND (5.1)	0.58 J	1.1	ND (0.51)	ND (0.50)	0.59 J	ND (0.51)	1.4	ND (0.51)	ND (0.51)	ND (0.50)	ND (0.50)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)
trans-1,2-Dichloroethene	5	ND (0.40)	ND (0.40)	ND (2.7)	ND (2.7)	ND (1.1)	ND (5.4)	ND (0.40)	ND (0.40)	ND (0.54)	ND (0.40)	ND (0.40)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.40)	ND (0.40)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)
1,2-Dichloropropane	1	ND (0.24)	ND (0.24)	ND (2.5)	ND (2.5)	ND (1.0)	ND (5.1)	ND (0.24)	ND (0.24)	ND (0.51)	ND (0.24)	ND (0.24)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.24)	ND (0.24)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)
cis-1,3-Dichloropropene	-	ND (0.25)	ND (0.25)	ND (2.4)	ND (2.4)	ND (0.94)	ND (4.7)	ND (0.25)	ND (0.25)	ND (0.47)	ND (0.25)	ND (0.25)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.25)	ND (0.25)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)
trans-1,3-Dichloropropene	-	ND (0.22)	ND (0.22)	ND (2.2)	ND (2.2)	ND (0.86)	ND (4.3)	ND (0.22)	ND (0.22)	ND (0.43)	ND (0.22)	ND (0.22)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.22)	ND (0.22)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)
1,4-Dioxane	-	ND (52)	ND (52)	ND (350)	ND (350)	ND (140)	ND (690)	ND (52)	ND (52)	ND (69)	ND (52)	ND (52)	ND (69)	ND (69)	ND (69)	ND (69)	ND (52)	ND (52)	ND (69)	ND (69)	ND (69)	ND (69)
Ethylbenzene	5	ND (0.22)	ND (0.22)	ND (3.0)	ND (3.0)	ND (1.2)	ND (6.0)	ND (0.22)	ND (0.22)	ND (0.60)	ND (0.22)	ND (0.22)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.22)	ND (0.22)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)
Freon 113	5	ND (1.2)	ND (1.2)	ND (9.7)	ND (9.7)	ND (3.9)	ND (19)	ND (1.2)	ND (1.2)	ND (1.9)	ND (1.2)	ND (1.2)	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.2)	ND (1.2)	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)
2-Hexanone	-	ND (3.3)	ND (3.3)	ND (10)	ND (10)	ND (4.1)	ND (20)	ND (3.3)	ND (3.3)	ND (2.0)	ND (3.3)	ND (3.3)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (3.3)	ND (3.3)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Isopropylbenzene	5	ND (0.25)	ND (0.25)	ND (3.2)	ND (3.2)	ND (1.3)	ND (6.5)	ND (0.25)	ND (0.25)	ND (0.65)	ND (0.25)	ND (0.25)	ND (0.65)	ND (0.65)	ND (0.65)	ND (0.65)	ND (0.25)	ND (0.25)	ND (0.65)	ND (0.65)	ND (0.65)	ND (0.65)
Methyl Acetate	-	ND (3.1)	ND (3.1)	ND (4.0)	ND (4.0)	ND (1.6)	ND (8.0)	ND (3.1)	ND (3.1)	ND (0.80)	ND (3.1)	ND (3.1)	ND (0.80)	ND (0.80)	ND (0.80)	ND (0.80)	ND (3.1)	ND (3.1)	ND (0.80)	ND (0.80)	ND (0.80)	ND (0.80)
Methylcyclohexane	-	ND (1.8)	ND (1.8)	ND (3.0)	ND (3.0)	ND (1.2)	ND (6.0)	ND (1.8)	ND (1.8)	ND (0.60)	ND (1.8)	ND (1.8)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)	ND (1.8)	ND (1.8)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)
Methyl Tert Butyl Ether	10	ND (0.25)	ND (0.25)	ND (2.5)	ND (2.5)	ND (1.0)	ND (5.1)	ND (0.25)	ND (0.25)	ND (0.51)	ND (0.25)	ND (0.25)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.25)	ND (0.25)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)
4-Methyl-2-pentanone(MIBK)	-	ND (3.0)	ND (3.0)	ND (9.3)	ND (9.3)	ND (3.7)	ND (19)	ND (3.0)	ND (3.0)	ND (1.9)	ND (3.0)	ND (3.0)	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)	ND (3.0)	ND (3.0)	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)
Methylene chloride	5	ND (1.0)	ND (1.0)	ND (5.0)	ND (5.0)	ND (2.0)	ND (10)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Styrene	5	ND (0.24)	ND (0.24)	ND (3.5)	ND (3.5)	ND (1.4)	ND (7.0)	ND (0.24)	ND (0.24)	ND (0.70)	ND (0.24)	ND (0.24)	ND (0.70)	ND (0.70)	ND (0.70)	ND (0.70)	ND (0.24)	ND (0.24)	ND (0.70)	ND (0.70)	ND (0.70)	ND (0.70)
1,1,2,2-Tetrachloroethane	5	ND (0.17)	ND (0.17)	ND (3.3)	ND (3.3)	ND (1.3)	ND (6.5)	ND (0.17)	ND (0.17)	ND (0.65)	ND (0.17)	ND (0.17)	ND (0.65)	ND (0.65)	ND (0.65)	ND (0.65)	ND (0.17)	ND (0.17)	ND (0.65)	ND (0.65)	ND (0.65)	ND (0.65)
Tetrachloroethene	5	**114**	**50.4**	**615**	**5290**	**625**	**2670**	ND (0.50)	ND (0.50)	ND (0.90)	**91.2**	**187**	**65.6**	**172**	**68.6**	**55.3**	**56.1**	**6.9**	**17.3**	**35.6**	**1.9**	**25.2**
Toluene	5	ND (0.25)	ND (0.25)	ND (2.7)	ND (2.7)	ND (1.1)	ND (5.3)	ND (0.25)	ND (0.25)	ND (0.53)	ND (0.25)	ND (0.25)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.25)	ND (0.25)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)
1,2,3-Trichlorobenzene	5	ND (0.50)	ND (0.50)	ND (2.5)	ND (2.5)	ND (1.0)	ND (5.0)	ND (0.50)	ND (0.50)	ND (0.50) b	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
1,2,4-Trichlorobenzene	5	ND (0.50)	ND (0.50)	ND (2.5)	ND (2.5)	ND (1.0)	ND (5.0)	ND (0.50)	ND (0.50)	ND (0.50) b	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
1,1,1-Trichloroethane	5	ND (0.25)	ND (0.25)	ND (2.7)	ND (2.7)	ND (1.1)	ND (5.4)	ND (0.25)	ND (0.25)	ND (0.54)	ND (0.25)	ND (0.25)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.25)	ND (0.25)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)
1,1,2-Trichloroethane	1	ND (0.24)	ND (0.24)	ND (2.7)	ND (2.7)	ND (1.1)	ND (5.3)	ND (0.24)	ND (0.24)	ND (0.53)	ND (0.24)	ND (0.24)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.24)	ND (0.24)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)
Trichloroethene	5	2.8	1.9	3.8 J	**17.7**	4.6	**13.6**	ND (0.27)	ND (0.27)	ND (0.53)	2.1	**7.1**	1.7	**11.5**	**2.3**	1.9	1.1	ND (0.27)	ND (0.53)	0.85 J	ND (0.53)	0.79 J
Trichlorofluoromethane	5	ND (0.60)	ND (0.60)	ND (4.2)	ND (4.2) a	ND (1.7)	ND (8.4)	ND (0.60)	ND (0.60)	ND (0.84)	ND (0.60)	ND (0.60)	ND (0.84)	ND (0.84) a	ND (0.84)	ND (0.84)	ND (0.60)	ND (0.60)	ND (0.84)	ND (0.84) a	ND (0.84)	ND (0.84)
Vinyl chloride	2	ND (0.62)	ND (0.62)	ND (3.9)	ND (3.9) a	ND (1.6)	ND (7.9)	ND (0.62)	ND (0.62)	ND (0.79)	ND (0.62)	ND (0.62)	ND (0.79)	ND (0.79) a	ND (0.79)	ND (0.79)	ND (0.62)	ND (0.62)	ND (0.79)	ND (0.79) a	ND (0.79)	ND (0.79)
m,p-Xylene	-	ND (0.43)	ND (0.43)	ND (3.9)	ND (3.9)	ND (1.6)	ND (7.8)	ND (0.43)	ND (0.43)	ND (0.78)	ND (0.43)	ND (0.43)	ND (0.78)	ND (0.78)	ND (0.78)	ND (0.78)	ND (0.43)	ND (0.43)	ND (0.78)	ND (0.78)	ND (0.78)	ND (0.78)
o-Xylene	5	ND (0.22)	ND (0.22)	ND (3.0)	ND (3.0)	ND (1.2)	ND (5.9)	ND (0.22)	ND (0.22)	ND (0.59)	ND (0.22)	ND (0.22)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.22)	ND (0.22)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)
Xylene (total)	5	ND (0.22)	ND (0.22)	ND (3.0)	ND (3.0)	ND (1.2)	ND (5.9)	ND (0.22)	ND (0.22)	ND (0.59)	ND (0.22)	ND (0.22)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.22)	ND (0.22)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)
Total VOCs	NC	116.8	52.3	618.8	5310.7	629.6	2683.6	0	1.1	0	93.3	194.1	67.3	184.9	70.9	57.9	57.2	6.9	17.3	36.45	1.9	25.99
Total BTEX	NC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Notes:
Results reported in micrograms per liter (ug/L)
Exceedances bolded and highlighted in gray
ND = Not detected above laboratory reporting limit
NC = No Criterion
J = Estimated Value
Class GA Value = Class GA Standards and Guidance Values (NYSDEC's June 1998 *Division of Water Technical and Operational Guidance Series*)

Table 3
Volatile Organic Compounds in Groundwater
Semi-Annual Groundwater Monitoring Report
Info Tech High School, VCP Site No. V00366-2

Sample ID		MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-9	MW-9	MW-9	MW-9	MW-9	MW-9	MW-9	BMRW-1	BMRW-1	BMRW-1	BMRW-1	BMRW-1	BMRW-1
Lab Sample ID	Class GA	JC51932-5	JC63263-4	JC74822-7	JC86484-7	JC94740-4	JD5554-7	JC51932-3	JC63263-5	JC74822-6	JC74822-6	JC86484-8	JC94740-2	JD5554-8	JC51932-10	JC63263-7	JC74822-3	JC86484-2	JC94740-3	JD5554-2
Date Sample Collected	Standards	9/27/2017	3/29/2018	9/28/2018	4/16/2019	9/10/2019	4/2/2020	9/27/2017	3/29/2018	9/28/2018	9/28/2018	4/16/2019	9/10/2019	4/2/2020	9/27/2017	3/29/2018	9/28/2018	4/16/2019	9/10/2019	4/2/2020
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Ground Water	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Ground Water	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Ground Water
Volatile Organic Compounds																				
Acetone	-	ND (5.0)	ND (5.0)	ND (6.0) a	ND (6.0)	ND (6.0)	ND (6.0)	ND (5.0)	ND (5.0)	ND (6.0) a	ND (6.0) a	ND (6.0)	ND (6.0)	ND (6.0)	ND (5.0)	ND (5.0)	ND (6.0)	ND (6.0)	ND (6.0)	ND (6.0)
Benzene	1	ND (0.17)	ND (0.17)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.17)	ND (0.17)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.17)	ND (0.17)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)
Bromochloromethane	5	ND (0.38)	ND (0.38)	ND (0.48)	ND (0.48)	ND (0.48)	ND (0.48)	ND (0.38)	ND (0.38)	ND (0.48)	ND (0.48)	ND (0.48)	ND (0.48)	ND (0.48)	ND (0.38)	ND (0.38)	ND (0.48)	ND (0.48)	ND (0.48)	ND (0.48)
Bromodichloromethane	-	ND (0.22)	ND (0.22)	ND (0.58)	ND (0.58)	ND (0.58)	ND (0.58)	ND (0.22)	ND (0.22)	ND (0.58)	ND (0.58)	ND (0.58)	ND (0.58)	ND (0.58)	ND (0.22)	ND (0.22)	ND (0.58)	ND (0.58)	ND (0.58)	ND (0.58)
Bromoform	-	ND (0.42)	ND (0.42)	ND (0.63)	ND (0.63)	ND (0.63)	ND (0.63)	ND (0.42)	ND (0.42)	ND (0.63)	ND (0.63)	ND (0.63)	ND (0.63)	ND (0.63)	ND (0.42)	ND (0.42)	ND (0.63)	ND (0.63)	ND (0.63)	ND (0.63)
Bromomethane	5	ND (1.4)	ND (1.4)	ND (1.6)	ND (1.6) a	ND (1.6)	ND (1.6)	ND (1.4)	ND (1.4)	ND (1.6)	ND (1.6)	ND (1.6) a	ND (1.6)	ND (1.6)	ND (1.4)	ND (1.4)	ND (1.6)	ND (1.6) a	ND (1.6)	ND (1.6)
2-Butanone (MEK)	-	ND (4.8)	ND (4.8)	ND (6.9) a	ND (6.9)	ND (6.9)	ND (6.9)	ND (4.8)	ND (4.8)	ND (6.9) a	ND (6.9) a	ND (6.9)	ND (6.9)	ND (6.9)	ND (4.8)	ND (4.8)	ND (6.9)	ND (6.9)	ND (6.9)	ND (6.9)
Carbon disulfide	60	ND (0.23)	ND (0.50)	ND (0.95)	ND (0.95)	ND (0.95)	ND (0.95)	ND (0.23)	ND (0.50)	ND (0.95)	ND (0.95)	ND (0.95)	ND (0.95)	ND (0.95)	ND (0.23)	ND (0.50)	ND (0.95)	ND (0.95)	ND (0.95)	ND (0.95)
Carbon tetrachloride	5	ND (0.34)	ND (0.34)	ND (0.55)	ND (0.55)	ND (0.55)	ND (0.55)	ND (0.34)	ND (0.34)	ND (0.55)	ND (0.55)	ND (0.55)	ND (0.55)	ND (0.55)	ND (0.34)	ND (0.34)	ND (0.55)	ND (0.55)	ND (0.55)	ND (0.55)
Chlorobenzene	5	ND (0.24)	ND (0.24)	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.24)	ND (0.24)	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.56)	1.5	1.4	1.3	1.4	1.8	1.8
Chloroethane	5	ND (0.59)	ND (0.59)	ND (0.73)	ND (0.73)	ND (0.73)	ND (0.73)	ND (0.59)	ND (0.59)	ND (0.73)	ND (0.73)	ND (0.73)	ND (0.73)	ND (0.73)	ND (0.59)	ND (0.59)	ND (0.73)	ND (0.73)	ND (0.73)	ND (0.73)
Chloroform	7	0.38 J	ND (0.29)	ND (0.50)	ND (0.50)	ND (0.50)	0.67 J	0.35 J	ND (0.29)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.29)	ND (0.29)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Chloromethane	5	ND (0.53)	ND (0.53)	ND (0.76)	ND (0.76) a	ND (0.76)	ND (0.76)	ND (0.53)	ND (0.53)	ND (0.76)	ND (0.76)	ND (0.76) a	ND (0.76)	ND (0.76)	ND (0.53)	ND (0.53)	ND (0.76)	ND (0.76) a	ND (0.76)	ND (0.76)
Cyclohexane	-	ND (0.63)	ND (0.63)	ND (0.78)	ND (0.78)	ND (0.78)	ND (0.78)	ND (0.63)	ND (0.63)	ND (0.78)	ND (0.78)	ND (0.78)	ND (0.78)	ND (0.78)	ND (0.63)	ND (0.63)	ND (0.78)	ND (0.78)	ND (0.78)	ND (0.78)
1,2-Dibromo-3-chloropropane	0.04	ND (0.69)	ND (0.69)	ND (1.2)	ND (1.2)	ND (1.2)	ND (1.2)	ND (0.69)	ND (0.69)	ND (1.2)	ND (1.2)	ND (1.2)	ND (1.2)	ND (1.2)	ND (0.69)	ND (0.69)	ND (1.2) b	ND (1.2)	ND (1.2)	ND (1.2)
Dibromochloromethane	-	ND (0.16)	ND (0.16)	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.16)	ND (0.16)	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.16)	ND (0.16)	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.56)
1,2-Dibromoethane	0.0006	ND (0.21)	ND (0.21)	ND (0.48)	ND (0.48)	ND (0.48)	ND (0.48)	ND (0.21)	ND (0.21)	ND (0.48)	ND (0.48)	ND (0.48)	ND (0.48)	ND (0.48)	ND (0.21)	ND (0.21)	ND (0.48)	ND (0.48)	ND (0.48)	ND (0.48)
1,2-Dichlorobenzene	3	ND (0.50)	ND (0.50)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.50)	ND (0.50)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.50)	ND (0.50)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)
1,3-Dichlorobenzene	3	ND (0.50)	ND (0.50)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.50)	ND (0.50)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.50)	ND (0.50)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)
1,4-Dichlorobenzene	3	ND (0.50)	ND (0.50)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.50)	ND (0.50)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.50)	ND (0.50)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)
Dichlorodifluoromethane	5	ND (1.9)	ND (1.9)	ND (1.4)	ND (1.4) a	ND (1.4)	ND (1.4)	ND (1.9)	ND (1.9)	ND (1.4)	ND (1.4)	ND (1.4) a	ND (1.4)	ND (1.4)	ND (1.9)	ND (1.9)	ND (1.4)	ND (1.4) a	ND (1.4)	ND (1.4)
1,1-Dichloroethane	5	ND (0.21)	ND (0.21)	ND (0.57)	ND (0.57)	ND (0.57)	ND (0.57)	ND (0.21)	ND (0.21)	ND (0.57)	ND (0.57)	ND (0.57)	ND (0.57)	ND (0.57)	ND (0.21)	ND (0.21)	ND (0.57)	ND (0.57)	ND (0.57)	ND (0.57)
1,2-Dichloroethane	0.6	ND (0.20)	ND (0.20)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.20)	ND (0.20)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.20)	ND (0.20)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)
1,1-Dichloroethene	5	ND (0.47)	ND (0.47)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.47)	ND (0.47)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.47)	ND (0.47)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)
cis-1,2-Dichloroethene	5	0.65 J	0.69 J	ND (0.51)	0.69 J	ND (0.51)	ND (0.51)	ND (0.50)	2.3	ND (0.51)	ND (0.51)	ND (0.51)	0.62 J	1	1.7	0.94 J	2.2	2	1.3	2.8
trans-1,2-Dichloroethene	5	ND (0.40)	ND (0.40)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.40)	ND (0.40)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.40)	ND (0.40)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)
1,2-Dichloropropane	1	ND (0.24)	ND (0.24)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.24)	ND (0.24)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.24)	ND (0.24)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)
cis-1,3-Dichloropropene	-	ND (0.25)	ND (0.25)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.25)	ND (0.25)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.25)	ND (0.25)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)
trans-1,3-Dichloropropene	-	ND (0.22)	ND (0.22)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.22)	ND (0.22)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.22)	ND (0.22)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)
1,4-Dioxane	-	ND (52)	ND (52)	ND (69)	ND (69)	ND (69)	ND (69)	ND (52)	ND (52)	ND (69)	ND (69)	ND (69)	ND (69)	ND (69)	ND (52)	ND (52)	ND (69)	ND (69)	ND (69)	ND (69)
Ethylbenzene	5	ND (0.22)	ND (0.22)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.22)	ND (0.22)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.22)	ND (0.22)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)
Freon 113	5	ND (1.2)	ND (1.2)	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.2)	ND (1.2)	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.2)	ND (1.2)	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)
2-Hexanone	-	ND (3.3)	ND (3.3)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (3.3)	ND (3.3)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (3.3)	ND (3.3)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Isopropylbenzene	5	ND (0.25)	ND (0.25)	ND (0.65)	ND (0.65)	ND (0.65)	ND (0.65)	ND (0.25)	ND (0.25)	ND (0.65)	ND (0.65)	ND (0.65)	ND (0.65)	ND (0.65)	ND (0.25)	ND (0.25)	ND (0.65)	ND (0.65)	ND (0.65)	ND (0.65)
Methyl Acetate	-	ND (3.1)	ND (3.1)	ND (0.80)	ND (0.80)	ND (0.80)	ND (0.80)	ND (3.1)	ND (3.1)	ND (0.80)	ND (0.80)	ND (0.80)	ND (0.80)	ND (0.80)	ND (3.1)	ND (3.1)	ND (0.80)	ND (0.80)	ND (0.80)	ND (0.80)
Methylcyclohexane	-	ND (1.8)	ND (1.8)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)	ND (1.8)	ND (1.8)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)	ND (1.8)	ND (1.8)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)
Methyl Tert Butyl Ether	10	ND (0.25)	ND (0.25)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.25)	ND (0.25)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	0.35 J	0.35 J	ND (0.51)	0.52 J	ND (0.51)	0.60 J
4-Methyl-2-pentanone(MIBK)	-	ND (3.0)	ND (3.0)	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)	ND (3.0)	ND (3.0)	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)	ND (3.0)	ND (3.0)	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)
Methylene chloride	5	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Styrene	5	ND (0.24)	ND (0.24)	ND (0.70)	ND (0.70)	ND (0.70)	ND (0.70)	ND (0.24)	ND (0.24)	ND (0.70)	ND (0.70)	ND (0.70)	ND (0.70)	ND (0.70)	ND (0.24)	ND (0.24)	ND (0.70)	ND (0.70)	ND (0.70)	ND (0.70)
1,1,2,2-Tetrachloroethane	5	ND (0.17)	ND (0.17)	ND (0.65)	ND (0.65)	ND (0.65)	ND (0.65)	ND (0.17)	ND (0.17)	ND (0.65)	ND (0.65)	ND (0.65)	ND (0.65)	ND (0.65)	ND (0.17)	ND (0.17)	ND (0.65)	ND (0.65)	ND (0.65)	ND (0.65)
Tetrachloroethene	5	**109**	**111**	**40.5**	**41**	**64.9**	**31.6**	**76.8**	**151**	**71.1**	**71.1**	**42.7**	**74.7**	**44.9**	**21.5**	**12.4**	**10.4**	**21.6**	**8.5**	**78.9**
Toluene	5	ND (0.25)	ND (0.25)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.25)	ND (0.25)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.25)	ND (0.25)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)
1,2,3-Trichlorobenzene	5	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50) b	ND (0.50)	ND (0.50)	ND (0.50)
1,2,4-Trichlorobenzene	5	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50) b	ND (0.50)	ND (0.50)	ND (0.50)
1,1,1-Trichloroethane	5	ND (0.25)	ND (0.25)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.25)	ND (0.25)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.25)	ND (0.25)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)
1,1,2-Trichloroethane	1	ND (0.24)	ND (0.24)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.24)	ND (0.24)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.24)	ND (0.24)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)
Trichloroethene	5	4.2	5	1.4	2.1	2.4	1.5	1.7	**10.4**	2.7	2.7	1.9	3	3.4	3.9	2.7	4.4	**6.9**	2.8	**9.6**
Trichlorofluoromethane	5	ND (0.60)	ND (0.60)	ND (0.84)	ND (0.84) a	ND (0.84)	ND (0.84)	ND (0.60)	ND (0.60)	ND (0.84)	ND (0.84)	ND (0.84) a	ND (0.84)	ND (0.84)	ND (0.60)	ND (0.60)	ND (0.84)	ND (0.84) a	ND (0.84)	ND (0.84)
Vinyl chloride	2	ND (0.62)	ND (0.62)	ND (0.79)	ND (0.79) a	ND (0.79)	ND (0.79)	ND (0.62)	ND (0.62)	ND (0.79)	ND (0.79)	ND (0.79) a	ND (0.79)	ND (0.79)	ND (0.62)	ND (0.62)	ND (0.79)	ND (0.79) a	ND (0.79)	ND (0.79)
m,p-Xylene	-	ND (0.43)	ND (0.43)	ND (0.78)	ND (0.78)	ND (0.78)	ND (0.78)	ND (0.43)	ND (0.43)	ND (0.78)	ND (0.78)	ND (0.78)	ND (0.78)	ND (0.78)	ND (0.43)	ND (0.43)	ND (0.78)	ND (0.78)	ND (0.78)	ND (0.78)
o-Xylene	5	ND (0.22)	ND (0.22)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.22)	ND (0.22)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.22)	ND (0.22)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)
Xylene (total)	5	ND (0.22)	ND (0.22)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.22)	ND (0.22)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.22)	ND (0.22)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)
Total VOCs	NC	113.2	116	41.9	43.79	67.3	33.8	78.5	163.7	73.8	73.8	44.6	78.32	49.3	28.6	16.5	16.1	28.5	14.4	93.1
Total BTEX	NC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Notes:
Results reported in micrograms per liter (ug/L)
Exceedances bolded and highlighted in gray
ND = Not detected above laboratory reporting limit
NC = No Criterion
J = Estimated Value
Class GA Value = Class GA Standards and Guidance Values (NYSDEC's June 1998 *Division of Water Technical and Operational Guidance Series*)

Table 3
Volatile Organic Compounds in Groundwater
Semi-Annual Groundwater Monitoring Report
Info Tech High School, VCP Site No. V00366-2

Sample ID		BMRW-2	BMRW-2	BMRW-2	BMRW-2	BMRW-2	BMRW-2	BMRW-3	BMRW-3	BMRW-3	BMRW-3	BMRW-3	BMRW-3	RW-1	RW-1	RW-1	RW-1	RW-1	RW-1
Lab Sample ID		JC51932-8	JC63263-10	JC74822-4	JC86484-3	JC94740-5	JD5554-3	JC51932-6	JC63263-2	JC74822-9	JC86484-4	JC94740-8	JD5554-4	JC51932-9	JC63263-3	JC74822-8	JC86484-9	JC94740-6	JD5554-9
Date Sample Collected	Class GA Standards	9/27/2017	3/29/2018	9/28/2018	4/16/2019	9/10/2019	4/2/2020	9/27/2017	3/29/2018	9/28/2018	4/16/2019	9/10/2019	4/2/2020	9/27/2017	3/29/2018	9/28/2018	4/16/2019	9/10/2019	4/2/2020
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Ground Water	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Ground Water
Volatile Organic Compounds																			
Acetone	-	ND (25)	ND (20)	ND (24)	ND (12)	ND (30)	ND (30)	ND (5.0)	ND (10)	ND (6.0)	ND (6.0)	ND (12)	ND (6.0)	ND (5.0)	ND (5.0)	ND (6.0) a	ND (6.0)	ND (6.0)	ND (6.0)
Benzene	1	ND (0.87)	ND (0.70)	ND (1.7)	ND (0.85)	ND (2.1)	ND (2.1)	ND (0.17)	ND (0.35)	ND (0.43)	ND (0.43)	ND (0.85)	ND (0.43)	ND (0.17)	ND (0.17)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)
Bromochloromethane	5	ND (1.9)	ND (1.5)	ND (1.9)	ND (0.96)	ND (2.4)	ND (2.4)	ND (0.38)	ND (0.77)	ND (0.48)	ND (0.48)	ND (0.96)	ND (0.48)	ND (0.38)	ND (0.38)	ND (0.48)	ND (0.48)	ND (0.48)	ND (0.48)
Bromodichloromethane	-	ND (1.1)	ND (0.87)	ND (2.3)	ND (1.2)	ND (2.9)	ND (2.9)	ND (0.22)	ND (0.43)	ND (0.58)	ND (0.58)	ND (1.2)	ND (0.58)	ND (0.22)	ND (0.22)	ND (0.58)	ND (0.58)	ND (0.58)	ND (0.58)
Bromoform	-	ND (2.1)	ND (1.7)	ND (2.5)	ND (1.3)	ND (3.2)	ND (3.2)	ND (0.42)	ND (0.85)	ND (0.63)	ND (0.63)	ND (1.3)	ND (0.63)	ND (0.42)	ND (0.42)	ND (0.63)	ND (0.63)	ND (0.63)	ND (0.63)
Bromomethane	5	ND (6.9)	ND (5.5)	ND (6.6)	ND (3.3) a	ND (8.2)	ND (8.2)	ND (1.4)	ND (2.7)	ND (1.6)	ND (1.6) a	ND (3.3) a	ND (1.6)	ND (1.4)	ND (1.4)	ND (1.6)	ND (1.6) a	ND (1.6) a	ND (1.6)
2-Butanone (MEK)	-	ND (24)	ND (19)	ND (27)	ND (14)	ND (34)	ND (34)	ND (4.8)	ND (9.5)	ND (6.9)	ND (6.9)	ND (14)	ND (6.9)	ND (4.8)	ND (4.8)	ND (6.9) a	ND (6.9)	ND (6.9)	ND (6.9)
Carbon disulfide	60	ND (1.2)	ND (2.0)	ND (3.8)	ND (1.9)	ND (4.8)	ND (4.8)	ND (0.23)	ND (1.0)	ND (0.95)	ND (0.95)	ND (1.9)	ND (0.95)	ND (0.23)	ND (0.50)	ND (0.95)	ND (0.95)	ND (0.95)	ND (0.95)
Carbon tetrachloride	5	ND (1.7)	ND (1.3)	ND (2.2)	ND (1.1)	ND (2.8)	ND (2.8)	ND (0.34)	ND (0.67)	ND (0.55)	ND (0.55)	ND (1.1)	ND (0.55)	ND (0.34)	ND (0.34)	ND (0.55)	ND (0.55)	ND (0.55)	ND (0.55)
Chlorobenzene	5	ND (1.2)	ND (0.95)	ND (2.2)	ND (1.1)	ND (2.8)	ND (2.8)	ND (0.24)	ND (0.48)	ND (0.56)	ND (0.56)	ND (1.1)	ND (0.56)	ND (0.24)	ND (0.24)	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.56)
Chloroethane	5	ND (3.0)	ND (2.4)	ND (2.9)	ND (1.5)	ND (3.6)	ND (3.6)	ND (0.59)	ND (1.2)	ND (0.73)	ND (0.73)	ND (1.5)	ND (0.73)	ND (0.59)	ND (0.59)	ND (0.73)	ND (0.73)	ND (0.73)	ND (0.73)
Chloroform	7	ND (1.4)	ND (1.1)	ND (2.0)	ND (1.0)	ND (2.5)	ND (2.5)	0.33 J	ND (0.57)	ND (0.50)	ND (0.50)	ND (1.0)	ND (0.50)	ND (0.29)	ND (0.29)	ND (0.50)	ND (0.50)	ND (0.50)	2.1
Chloromethane	5	ND (2.7)	ND (2.1)	ND (3.0)	ND (1.5)	ND (3.8)	ND (3.8)	ND (0.53)	ND (1.1)	ND (0.76)	ND (0.76) a	ND (1.5)	ND (0.76)	ND (0.53)	ND (0.53)	ND (0.76)	ND (0.76) a	ND (0.76)	ND (0.76)
Cyclohexane	-	ND (3.2)	ND (2.5)	ND (3.1)	ND (1.6)	ND (3.9)	ND (3.9)	ND (0.63)	ND (1.3)	ND (0.78)	ND (0.78)	ND (1.6)	ND (0.78)	ND (0.63)	ND (0.63)	ND (0.78)	ND (0.78)	ND (0.78)	ND (0.78)
1,2-Dibromo-3-chloropropane	0.04	ND (3.4)	ND (2.8)	ND (4.8)	ND (2.4)	ND (6.0)	ND (6.0)	ND (0.69)	ND (1.4)	ND (1.2)	ND (1.2)	ND (2.4)	ND (1.2)	ND (0.69)	ND (0.69)	ND (1.2)	ND (1.2)	ND (1.2)	ND (1.2)
Dibromochloromethane	-	ND (0.82)	ND (0.66)	ND (2.2)	ND (1.1)	ND (2.8)	ND (2.8)	ND (0.16)	ND (0.33)	ND (0.56)	ND (0.56)	ND (1.1)	ND (0.56)	ND (0.16)	ND (0.16)	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.56)
1,2-Dibromoethane	0.0006	ND (1.1)	ND (0.85)	ND (1.9)	ND (0.95)	ND (2.4)	ND (2.4)	ND (0.21)	ND (0.42)	ND (0.48)	ND (0.48)	ND (0.95)	ND (0.48)	ND (0.21)	ND (0.21)	ND (0.48)	ND (0.48)	ND (0.48)	ND (0.48)
1,2-Dichlorobenzene	3	ND (2.5)	ND (2.0)	ND (2.1)	ND (1.1)	ND (2.7)	ND (2.7)	ND (0.50)	ND (1.0)	ND (0.53)	ND (0.53)	ND (1.1)	ND (0.53)	ND (0.50)	ND (0.50)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)
1,3-Dichlorobenzene	3	ND (2.5)	ND (2.0)	ND (2.2)	ND (1.1)	ND (2.7)	ND (2.7)	ND (0.50)	ND (1.0)	ND (0.54)	ND (0.54)	ND (1.1)	ND (0.54)	ND (0.50)	ND (0.50)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)
1,4-Dichlorobenzene	3	ND (2.5)	ND (2.0)	ND (2.0)	ND (1.0)	ND (2.5)	ND (2.5)	ND (0.50)	ND (1.0)	ND (0.51)	ND (0.51)	ND (1.0)	ND (0.51)	ND (0.50)	ND (0.50)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)
Dichlorodifluoromethane	5	ND (9.3)	ND (7.4)	ND (5.4)	ND (2.7) a	ND (6.8)	ND (6.8)	ND (1.9)	ND (3.7)	ND (1.4)	ND (1.4) a	ND (2.7)	ND (1.4)	ND (1.9)	ND (1.9)	ND (1.4)	ND (1.4) a	ND (1.4)	ND (1.4)
1,1-Dichloroethane	5	ND (1.0)	ND (0.83)	ND (2.3)	ND (1.1)	ND (2.8)	ND (2.8)	ND (0.21)	ND (0.41)	ND (0.57)	ND (0.57)	ND (1.1)	ND (0.57)	ND (0.21)	ND (0.21)	ND (0.57)	ND (0.57)	ND (0.57)	ND (0.57)
1,2-Dichloroethane	0.6	ND (1.0)	ND (0.80)	ND (2.4)	ND (1.2)	ND (3.0)	ND (3.0)	ND (0.20)	ND (0.40)	ND (0.60)	ND (0.60)	ND (1.2)	ND (0.60)	ND (0.20)	ND (0.20)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)
1,1-Dichloroethene	5	ND (2.4)	ND (1.9)	ND (2.4)	ND (1.2)	ND (3.0)	ND (3.0)	ND (0.47)	ND (0.95)	ND (0.59)	0.83 J	ND (1.2)	ND (0.59)	ND (0.47)	ND (0.47)	ND (0.59)	ND (0.59)	0.68 J	ND (0.59)
cis-1,2-Dichloroethene	5	**11.9**	**7.6**	**16.3**	**13.1**	**23**	**21.1**	4.7	**18.9**	**5.4**	**9.9**	**16.7**	**22.2**	**19.9**	**8.6**	**11.6**	**108**	**354**	**73.8**
trans-1,2-Dichloroethene	5	ND (2.0)	ND (1.6)	ND (2.1)	ND (1.1)	ND (2.7)	ND (2.7)	1.1	1.2 J	1.5	1.9	1.5 J	1.9	ND (0.40)	ND (0.40)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)
1,2-Dichloropropane	1	ND (1.2)	ND (0.94)	ND (2.0)	ND (1.0)	ND (2.5)	ND (2.5)	ND (0.24)	ND (0.47)	ND (0.51)	ND (0.51)	ND (1.0)	ND (0.51)	ND (0.24)	ND (0.24)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)
cis-1,3-Dichloropropene	-	ND (1.3)	ND (1.0)	ND (1.9)	ND (0.94)	ND (2.4)	ND (2.4)	ND (0.25)	ND (0.50)	ND (0.47)	ND (0.47)	ND (0.94)	ND (0.47)	ND (0.25)	ND (0.25)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)
trans-1,3-Dichloropropene	-	ND (1.1)	ND (0.86)	ND (1.7)	ND (0.86)	ND (2.2)	ND (2.2)	ND (0.22)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.86)	ND (0.43)	ND (0.22)	ND (0.22)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)
1,4-Dioxane	-	ND (260)	ND (210)	ND (280)	ND (140)	ND (350)	ND (350)	ND (52)	ND (100)	ND (69)	ND (69)	ND (140)	ND (69)	ND (52)	ND (52)	ND (69)	ND (69)	ND (69)	ND (69)
Ethylbenzene	5	ND (1.1)	ND (0.90)	ND (2.4)	ND (1.2)	ND (3.0)	ND (3.0)	ND (0.22)	ND (0.45)	ND (0.60)	ND (0.60)	ND (1.2)	ND (0.60)	ND (0.22)	ND (0.22)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)
Freon 113	5	ND (6.2)	ND (4.9)	ND (7.8)	ND (3.9)	ND (9.7)	ND (9.7)	ND (1.2)	ND (2.5)	ND (1.9)	ND (1.9)	ND (3.9) b	ND (1.9)	ND (1.2)	ND (1.2)	ND (1.9)	ND (1.9)	ND (1.9) b	ND (1.9)
2-Hexanone	-	ND (16)	ND (13)	ND (8.1)	ND (4.1)	ND (10)	ND (10)	ND (3.3)	ND (6.5)	ND (2.0)	ND (2.0)	ND (4.1)	ND (2.0)	ND (3.3)	ND (3.3)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Isopropylbenzene	5	ND (1.3)	ND (1.0)	ND (2.6)	ND (1.3)	ND (3.2)	ND (3.2)	ND (0.25)	ND (0.50)	ND (0.65)	ND (0.65)	ND (1.3)	ND (0.65)	ND (0.25)	ND (0.25)	ND (0.65)	ND (0.65)	ND (0.65)	ND (0.65)
Methyl Acetate	-	ND (15)	ND (12)	ND (3.2)	ND (1.6)	ND (4.0)	ND (4.0)	ND (3.1)	ND (6.1)	ND (0.80)	ND (0.80)	ND (1.6)	ND (0.80)	ND (3.1)	ND (3.1)	ND (0.80)	ND (0.80)	ND (0.80)	ND (0.80)
Methylcyclohexane	-	ND (9.2)	ND (7.4)	ND (2.4)	ND (1.2)	ND (3.0)	ND (3.0)	ND (1.8)	ND (3.7)	ND (0.60)	ND (0.60)	ND (1.2)	ND (0.60)	ND (1.8)	ND (1.8)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)
Methyl Tert Butyl Ether	10	ND (1.3)	ND (1.0)	ND (2.0)	ND (1.0)	ND (2.5)	ND (2.5)	ND (0.25)	ND (0.50)	ND (0.51)	ND (0.51)	ND (1.0)	ND (0.51)	ND (0.25)	ND (0.25)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)
4-Methyl-2-pentanone(MIBK)	-	ND (15)	ND (12)	ND (7.4)	ND (3.7)	ND (9.3)	ND (9.3)	ND (3.0)	ND (6.0)	ND (1.9)	ND (1.9)	ND (3.7)	ND (1.9)	ND (3.0)	ND (3.0)	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)
Methylene chloride	5	ND (5.0)	ND (4.0)	ND (4.0)	ND (2.0)	ND (5.0)	ND (5.0)	ND (1.0)	ND (2.0)	ND (1.0)	ND (1.0)	ND (2.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Styrene	5	ND (1.2)	ND (0.97)	ND (2.8)	ND (1.4)	ND (3.5)	ND (3.5)	ND (0.24)	ND (0.48)	ND (0.70)	ND (0.70)	ND (1.4)	ND (0.70)	ND (0.24)	ND (0.24)	ND (0.70)	ND (0.70)	ND (0.70)	ND (0.70)
1,1,2,2-Tetrachloroethane	5	ND (0.84)	ND (0.67)	ND (2.6)	ND (1.3)	ND (3.3)	ND (3.3)	ND (0.17)	ND (0.34)	ND (0.65)	ND (0.65)	ND (1.3)	ND (0.65)	ND (0.17)	ND (0.17)	ND (0.65)	ND (0.65)	ND (0.65)	ND (0.65)
Tetrachloroethene	5	**1060**	**1330**	**1340**	**895**	**1220**	**713**	**435**	**724**	**425**	**987**	**571**	**583**	**404**	**311**	**171**	**105**	**149**	**55.1**
Toluene	5	ND (1.2)	ND (0.99)	ND (2.1)	ND (1.1)	ND (2.7)	ND (2.7)	ND (0.25)	ND (0.50)	ND (0.53)	ND (0.53)	ND (1.1)	ND (0.53)	ND (0.25)	ND (0.25)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)
1,2,3-Trichlorobenzene	5	ND (2.5)	ND (2.0)	ND (2.0)	ND (1.0)	ND (2.5)	ND (2.5)	ND (0.50)	ND (1.0)	ND (0.50)	ND (0.50)	ND (1.0)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
1,2,4-Trichlorobenzene	5	ND (2.5)	ND (2.0)	ND (2.0)	ND (1.0)	ND (2.5)	ND (2.5)	ND (0.50)	ND (1.0)	ND (0.50)	ND (0.50)	ND (1.0)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
1,1,1-Trichloroethane	5	ND (1.3)	ND (1.0)	ND (2.1)	ND (1.1)	ND (2.7)	ND (2.7)	ND (0.25)	ND (0.50)	ND (0.54)	ND (0.54)	ND (1.1)	ND (0.54)	ND (0.25)	ND (0.25)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)
1,1,2-Trichloroethane	1	ND (1.2)	ND (0.96)	ND (2.1)	ND (1.1)	ND (2.7)	ND (2.7)	ND (0.24)	ND (0.48)	ND (0.53)	0.55 J	ND (1.1)	ND (0.53)	ND (0.24)	ND (0.24)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)
Trichloroethene	5	**106**	**115**	**121**	**78**	**176**	**93.6**	**33.2**	**64.3**	**57.4**	**88.6**	**141**	**112**	**19.3**	**13.4**	**10.4**	**5.5**	**11**	**1.7**
Trichlorofluoromethane	5	ND (3.0)	ND (2.4)	ND (3.3)	ND (1.7)	ND (4.2)	ND (4.2)	ND (0.60)	ND (1.2)	ND (0.84)	ND (0.84) a	ND (1.7)	ND (0.84)	ND (0.60)	ND (0.60)	ND (0.84)	ND (0.84) a	ND (0.84)	ND (0.84)
Vinyl chloride	2	ND (3.1)	ND (2.5)	ND (3.1)	ND (1.6) a	ND (3.9)	ND (3.9)	ND (0.62)	ND (1.2)	ND (0.79)	ND (0.79) a	ND (1.6)	ND (0.79)	ND (0.62)	ND (0.62)	ND (0.79)	ND (0.79) a	ND (0.79)	ND (0.79)
m,p-Xylene	-	ND (2.1)	ND (1.7)	ND (3.1)	ND (1.6)	ND (3.9)	ND (3.9)	ND (0.43)	ND (0.85)	ND (0.78)	ND (0.78)	ND (1.6)	ND (0.78)	ND (0.43)	ND (0.43)	ND (0.78)	ND (0.78)	ND (0.78)	ND (0.78)
o-Xylene	5	ND (1.1)	ND (0.86)	ND (2.4)	ND (1.2)	ND (3.0)	ND (3.0)	ND (0.22)	ND (0.43)	ND (0.59)	ND (0.59)	ND (1.2)	ND (0.59)	ND (0.22)	ND (0.22)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)
Xylene (total)	5	ND (1.1)	ND (0.86)	ND (2.4)	ND (1.2)	ND (3.0)	ND (3.0)	ND (0.22)	ND (0.43)	ND (0.59)	ND (0.59)	ND (1.2)	ND (0.59)	ND (0.22)	ND (0.22)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)
Total VOCs	NC	1177.9	1452.6	1477.3	986.1	1419	827.7	474	807.2	489.3	1087.8	728.7	719.1	443.2	333	193	218.5	514	132.7
Total BTEX	NC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Notes:
Results reported in micrograms per liter (ug/L)
Exceedances bolded and highlighted in gray
ND = Not detected above laboratory reporting limit
NC = No Criterion
J = Estimated Value
Class GA Value = Class GA Standards and Guidance Values (NYSDEC's June 1998 *Division of Water Technical and Operational Guidance Series*)

Figures

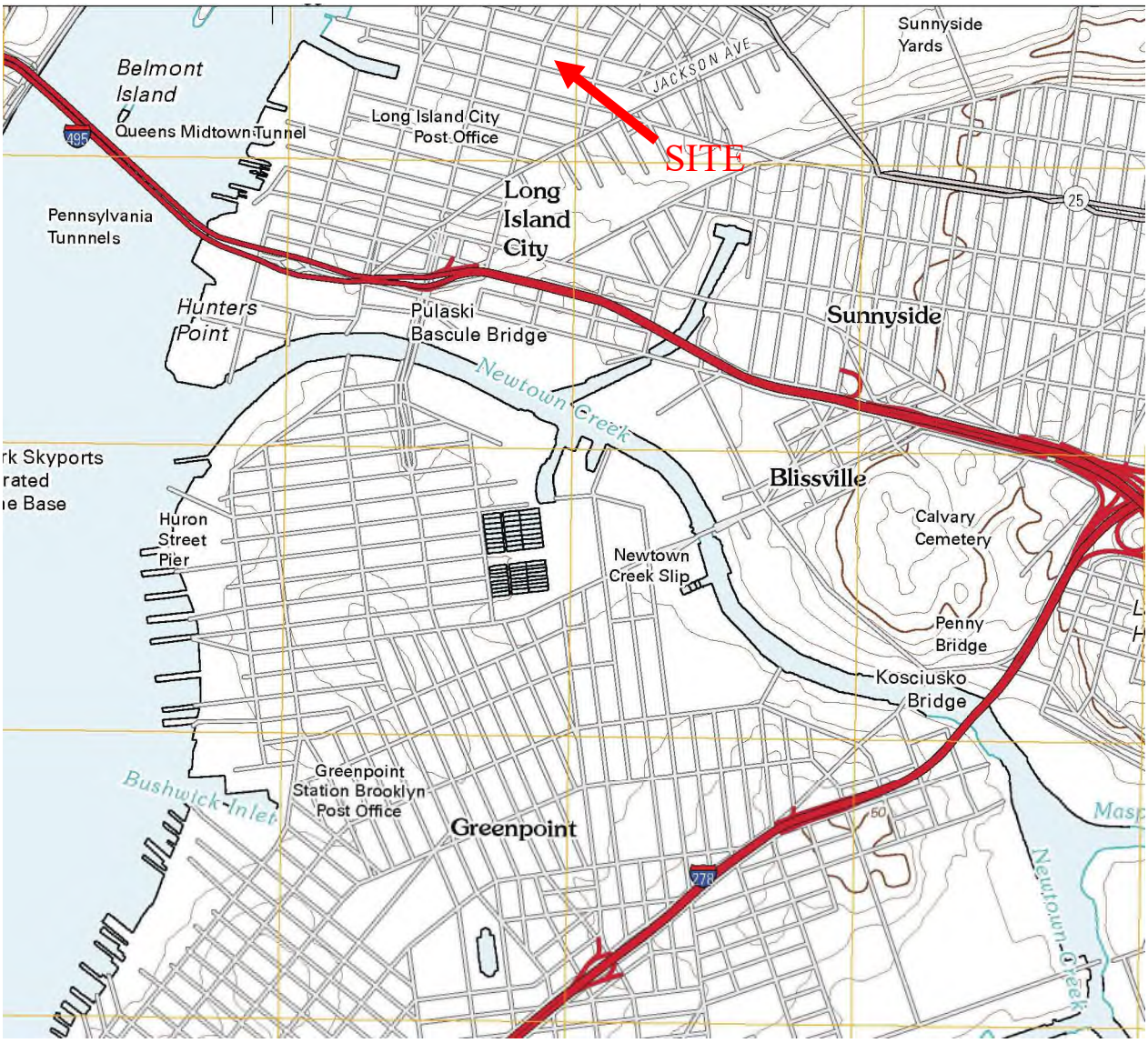


Figure 1: Site Location

Site: Information Technology High School
21-16 44th Road
Long Island City, New York

Client: Bell Realty

Environmental Management & Consulting
158 West 29th Street, New York, NY 10001

Compound	MW-1
cis-1,2-Dichloroethene	ND
Tetrachloroethene	**2670**
Trichloroethene	**13.6**

44TH ROAD

N

Sewer Line

MW-1

New Stairs

Compound	BMRW-3
cis-1,2-Dichloroethene	**22.2**
Tetrachloroethene	**583**
Trichloroethene	**112**

Compound	RW-1
cis-1,2-Dichloroethene	**73.8**
Tetrachloroethene	**55.1**
Trichloroethene	**1.7**

FIRST FLOOR

BASEMENT

ELEVATOR 1ST FLOOR

BASEMENT ELEVATOR

Compound	MW-8
cis-1,2-Dichloroethene	ND
Tetrachloroethene	**31.6**
Trichloroethene	1.5

Compound	MW-6
cis-1,2-Dichloroethene	ND
Tetrachloroethene	**55.3**
Trichloroethene	1.9

BMRW-3

RW-1

MW-6

MW-8

MW-9

BMRW-2

MW-7

TREATMENT SHED

FORMER DRUM STORAGE AREA

Compound	BMRW-2
cis-1,2-Dichloroethene	**21.1**
Tetrachloroethene	**713**
Trichloroethene	**93.6**

Compound	MW-7
cis-1,2-Dichloroethene	ND
Tetrachloroethene	**25.2**
Trichloroethene	0.79 J

Compound	MW-9
cis-1,2-Dichloroethene	1
Tetrachloroethene	**44.9**
Trichloroethene	3.4

BMRW-1

COURTYARD

Compound	BMRW-1
cis-1,2-Dichloroethene	2.8
Tetrachloroethene	**78.9**
Trichloroethene	**9.6**

Compound	Class GA Standard
cis-1,2-Dichloroethene	5
Tetrachloroethene	5
Trichloroethene	5

21ST AVENUE

44TH DRIVE

0 30 60

Scale (feet)

FILE: P:\10012 - Bell Realty\006 - Info Tech Highschool\Figures\GW Sampling\20200Q1\2 - Site Plan with GW Results.dwg DATE: 4/20/2020

Fleming Lee Shue

Environmental Management & Consulting

158 West 29th Street, 9th Fl.
New York, NY 10001

21-16 44th Road
Long Island City, NY

Figure 2

Site Plan and VOC Concentrations in Groundwater

April 2020

Project Number
10012-006

LEGEND

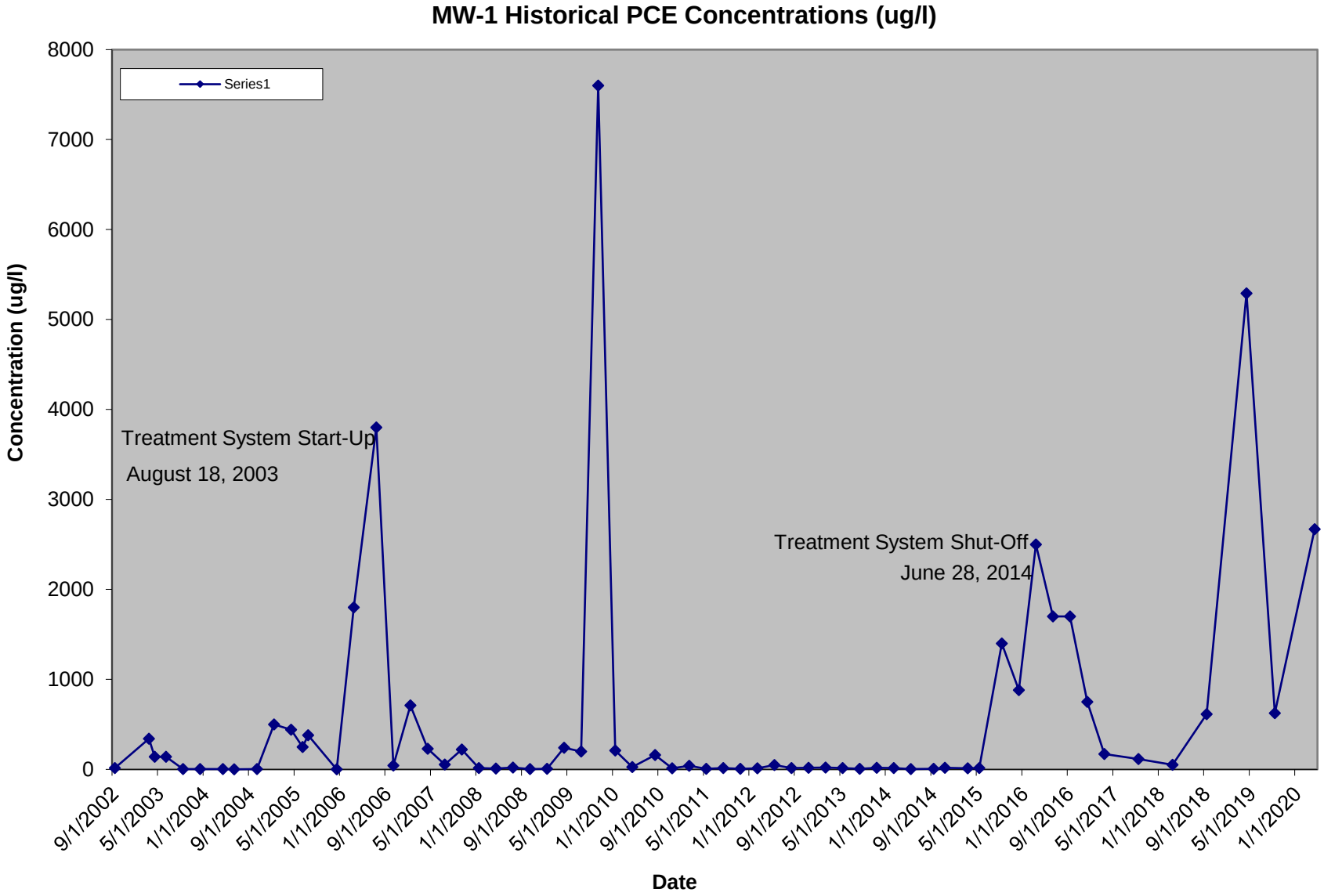
MW-1 Monitoring well

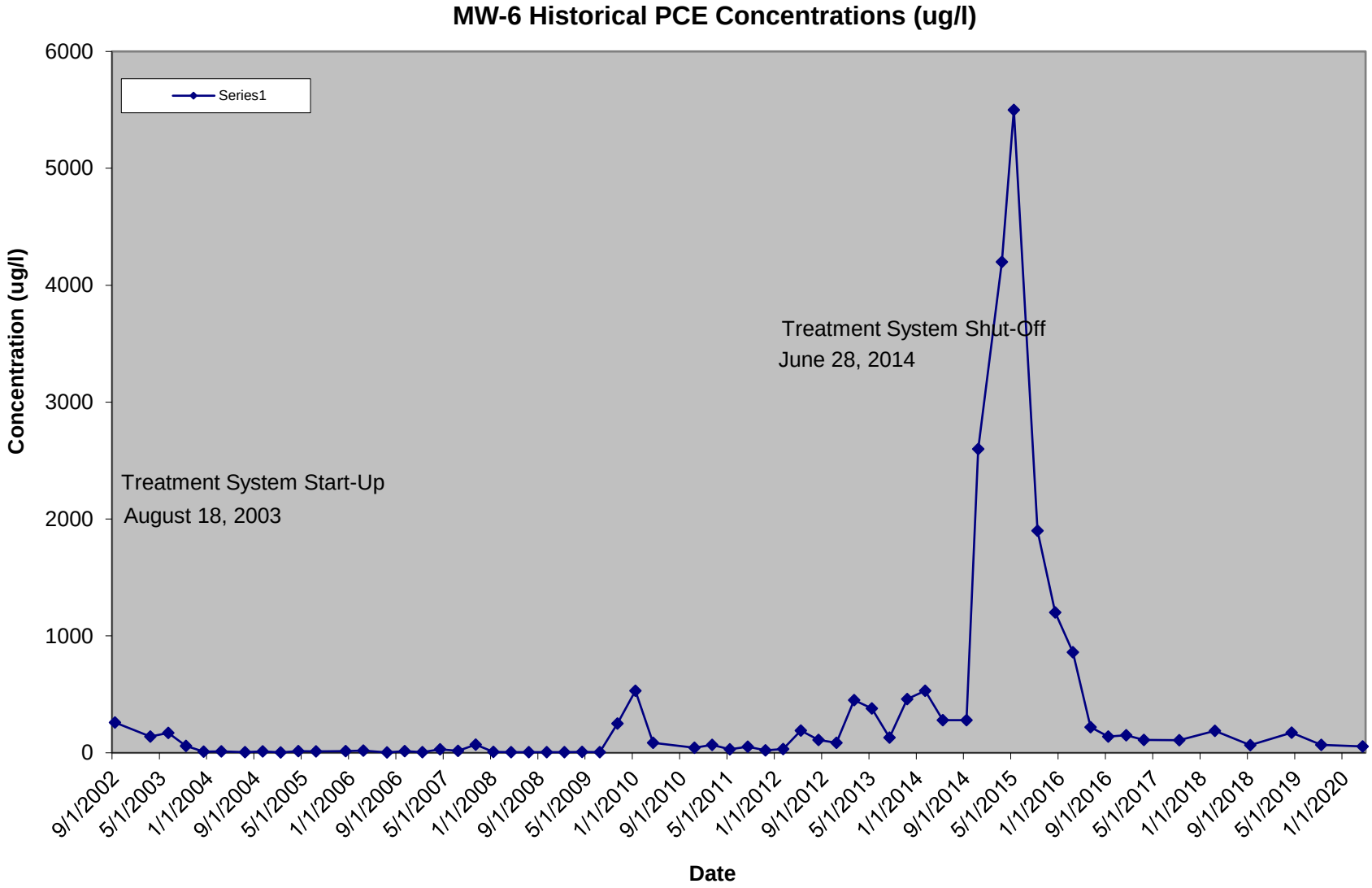
RW-1 Recovery well

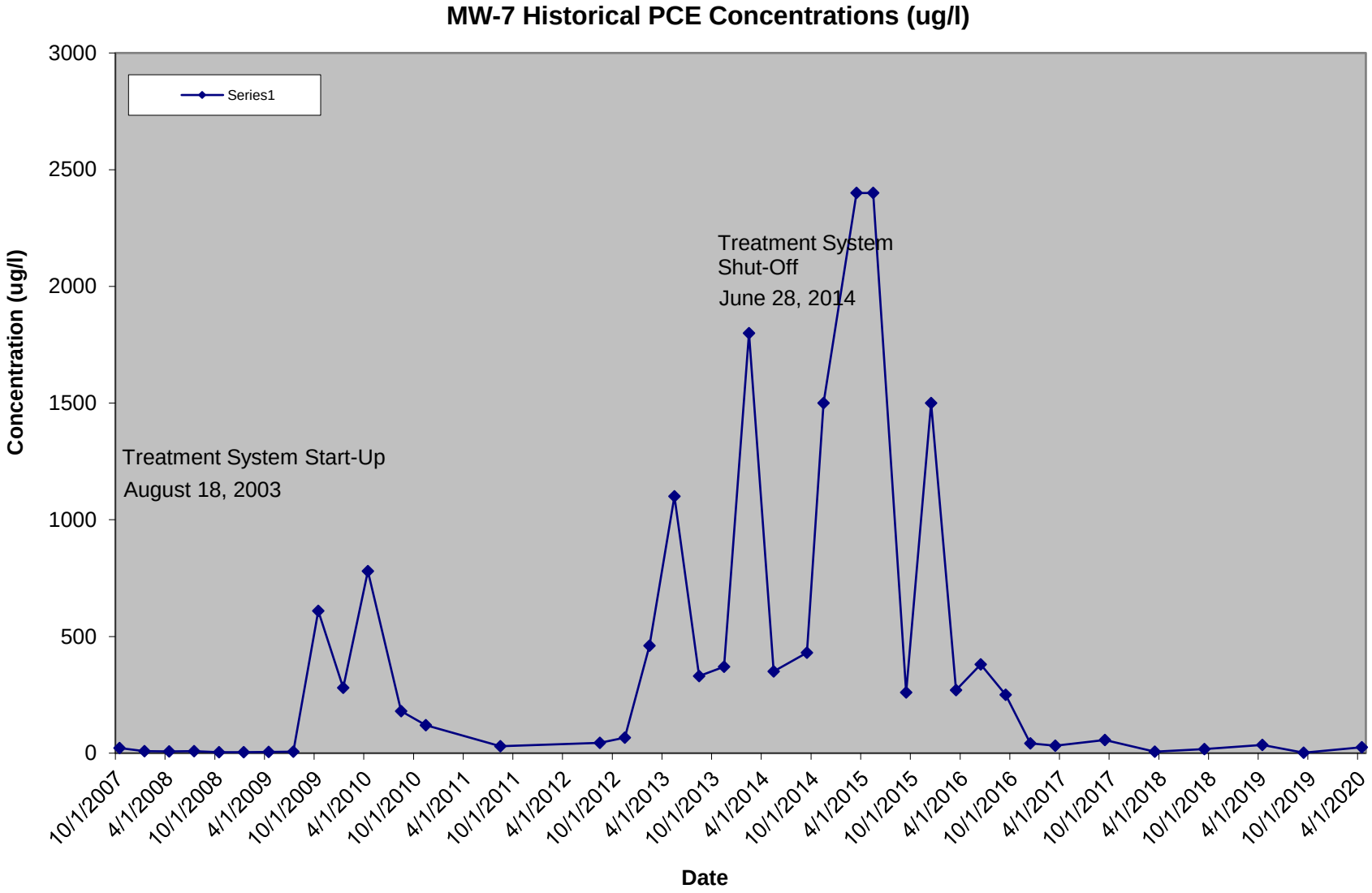
BRMW-1 Bedrock monitoring well

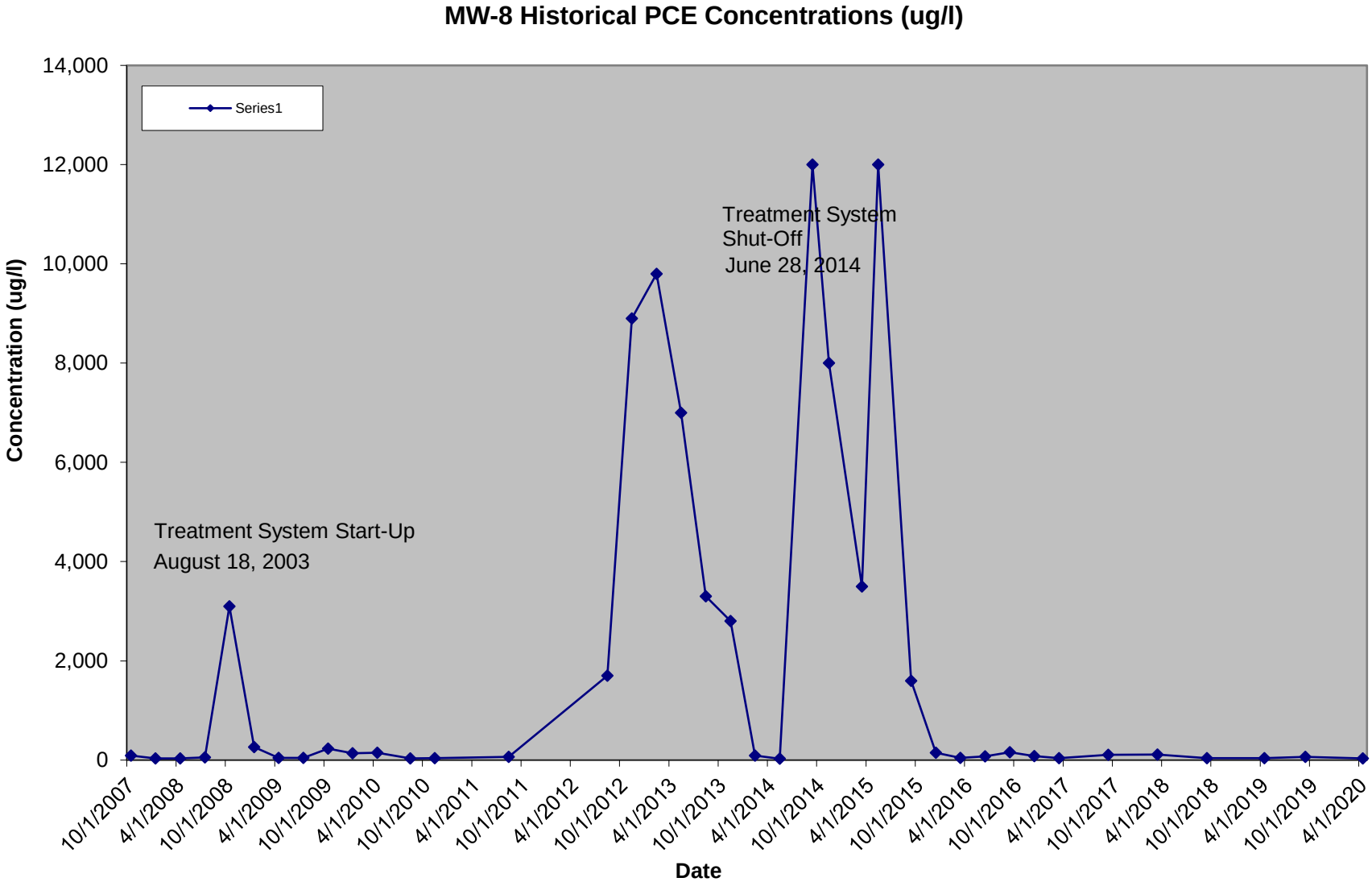
Notes: Current sampling plan includes recovery and bedrock monitoring wells.

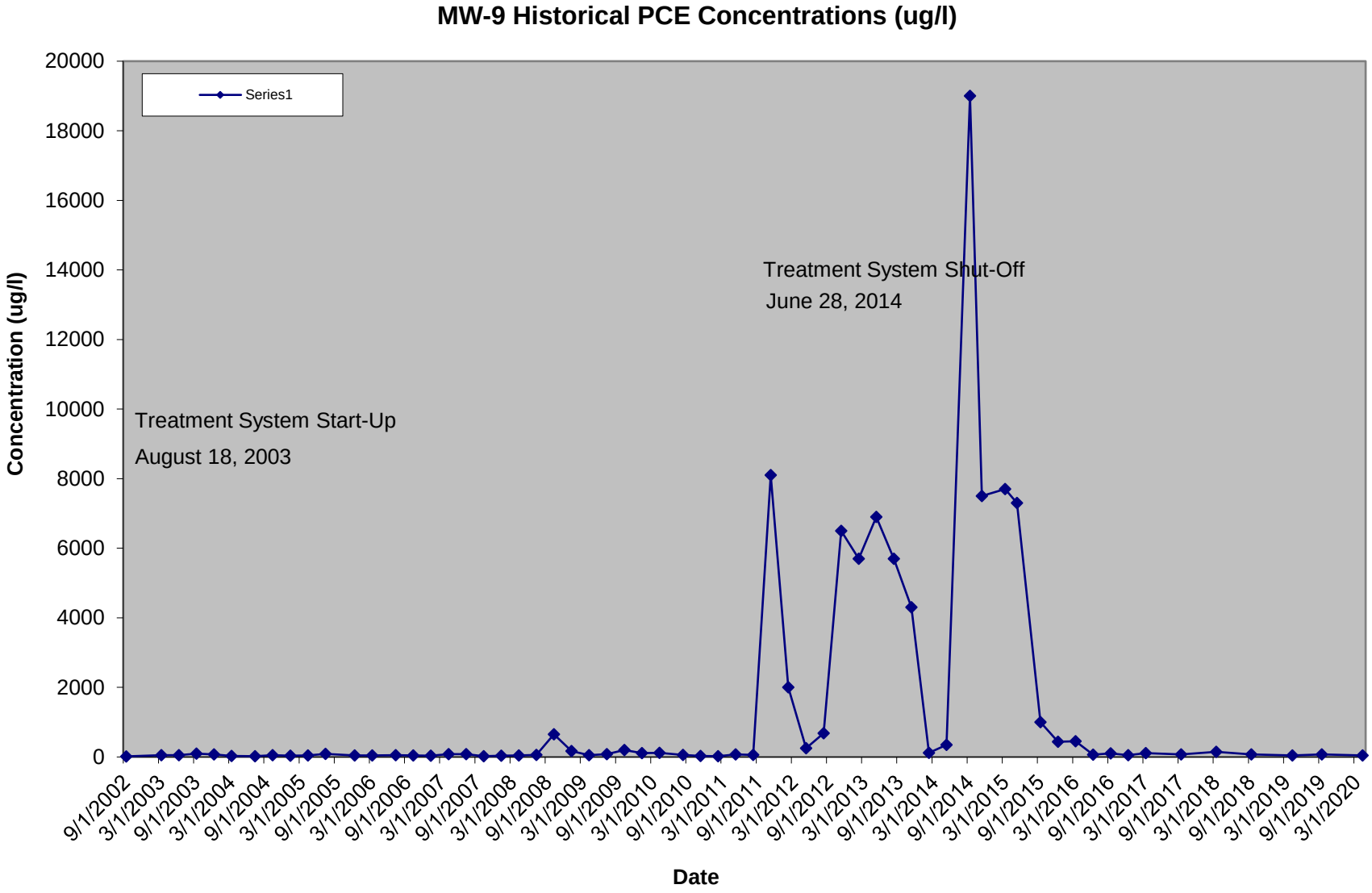
Graphs


MW-1 Historical PCE Concentrations (ug/l)
Series1
Concentration (ug/l)
8000
7000
6000
5000
4000
3000
2000
1000
0
Treatment System Start-Up
August 18, 2003
Treatment System Shut-Off
June 28, 2014
9/1/2002
5/1/2003
1/1/2004
9/1/2004
5/1/2005
1/1/2006
9/1/2006
5/1/2007
1/1/2008
9/1/2008
5/1/2009
1/1/2010
9/1/2010
5/1/2011
1/1/2012
9/1/2012
5/1/2013
1/1/2014
9/1/2014
5/1/2015
1/1/2016
9/1/2016
5/1/2017
1/1/2018
9/1/2018
5/1/2019
1/1/2020
Date


MW-6 Historical PCE Concentrations (ug/l)
Series1
Concentration (ug/l)
6000
5000
4000
3000
2000
1000
0
Treatment System Shut-Off
June 28, 2014
Treatment System Start-Up
August 18, 2003
9/1/2002
5/1/2003
1/1/2004
9/1/2004
5/1/2005
1/1/2006
9/1/2006
5/1/2007
1/1/2008
9/1/2008
5/1/2009
1/1/2010
9/1/2010
5/1/2011
1/1/2012
9/1/2012
5/1/2013
1/1/2014
9/1/2014
5/1/2015
1/1/2016
9/1/2016
5/1/2017
1/1/2018
9/1/2018
5/1/2019
1/1/2020
Date


MW-7 Historical PCE Concentrations (ug/l)
Series1
Concentration (ug/l)
3000
2500
2000
1500
1000
500
0
Treatment System Start-Up
August 18, 2003
Treatment System
Shut-Off
June 28, 2014
10/1/2007
4/1/2008
10/1/2008
4/1/2009
10/1/2009
4/1/2010
10/1/2010
4/1/2011
10/1/2011
4/1/2012
10/1/2012
4/1/2013
10/1/2013
4/1/2014
10/1/2014
4/1/2015
10/1/2015
4/1/2016
10/1/2016
4/1/2017
10/1/2017
4/1/2018
10/1/2018
4/1/2019
10/1/2019
4/1/2020
Date


MW-8 Historical PCE Concentrations (ug/l)
Series1
Concentration (ug/l)
14,000
12,000
10,000
8,000
6,000
4,000
2,000
0
Treatment System Start-Up
August 18, 2003
Treatment System
Shut-Off
June 28, 2014
10/1/2007
4/1/2008
10/1/2008
4/1/2009
10/1/2009
4/1/2010
10/1/2010
4/1/2011
10/1/2011
4/1/2012
10/1/2012
4/1/2013
10/1/2013
4/1/2014
10/1/2014
4/1/2015
10/1/2015
4/1/2016
10/1/2016
4/1/2017
10/1/2017
4/1/2018
10/1/2018
4/1/2019
10/1/2019
4/1/2020
Date


MW-9 Historical PCE Concentrations (ug/l)
Series1
Treatment System Shut-Off
June 28, 2014
Treatment System Start-Up
August 18, 2003
Concentration (ug/l)
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
9/1/2002
3/1/2003
9/1/2003
3/1/2004
9/1/2004
3/1/2005
9/1/2005
3/1/2006
9/1/2006
3/1/2007
9/1/2007
3/1/2008
9/1/2008
3/1/2009
9/1/2009
3/1/2010
9/1/2010
3/1/2011
9/1/2011
3/1/2012
9/1/2012
3/1/2013
9/1/2013
3/1/2014
9/1/2014
3/1/2015
9/1/2015
3/1/2016
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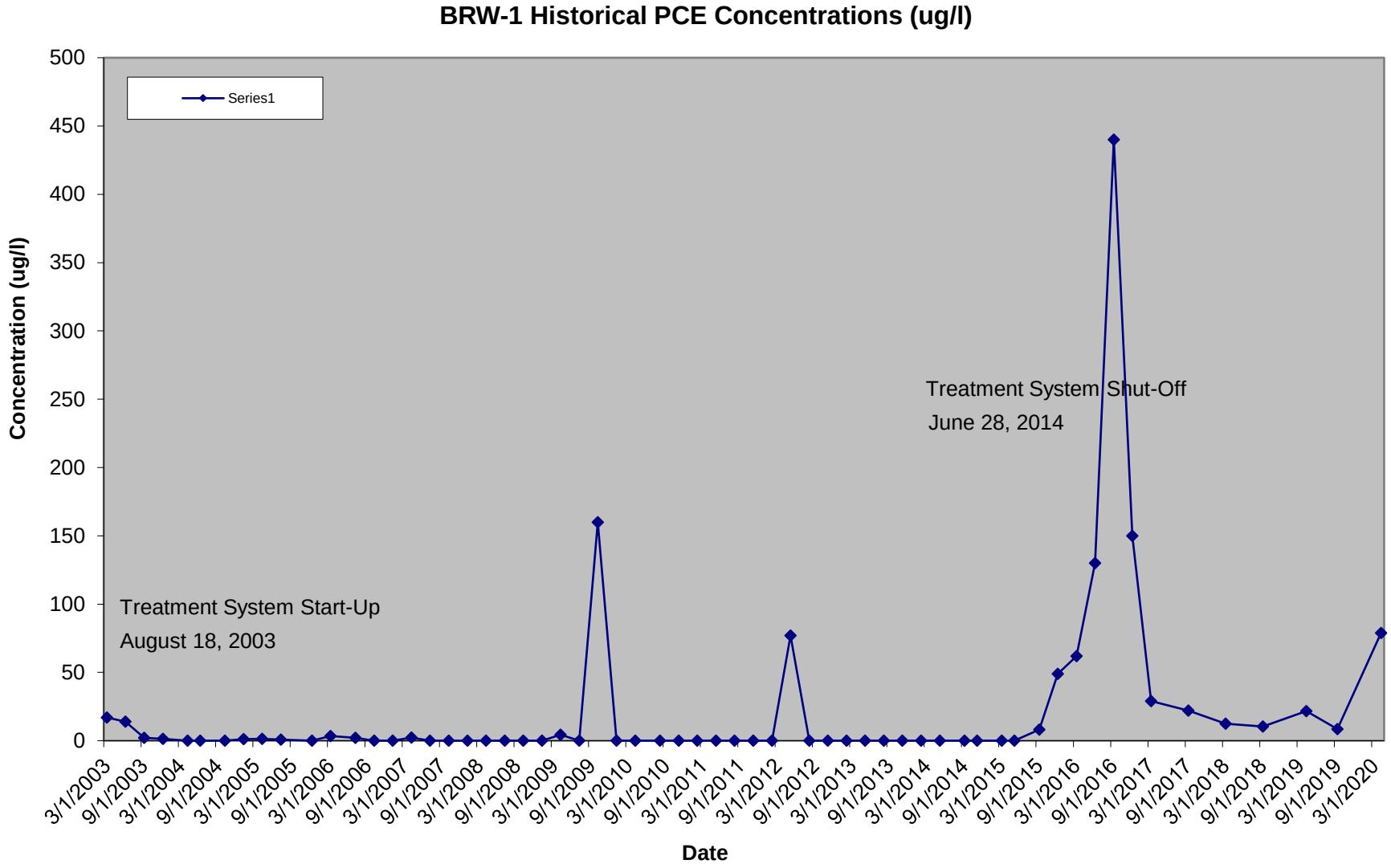
3/1/2018
9/1/2018
3/1/2019
9/1/2019
3/1/2020
Date


BRW-1 Historical PCE Concentrations (ug/l)
Series1
Concentration (ug/l)
500
450
400
350
300
250
200
150
100
50
0
Treatment System Start-Up
August 18, 2003
Treatment System Shut-Off
June 28, 2014
3/1/2003
9/1/2003
3/1/2004
9/1/2004
3/1/2005
9/1/2005
3/1/2006
9/1/2006
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3/1/2016
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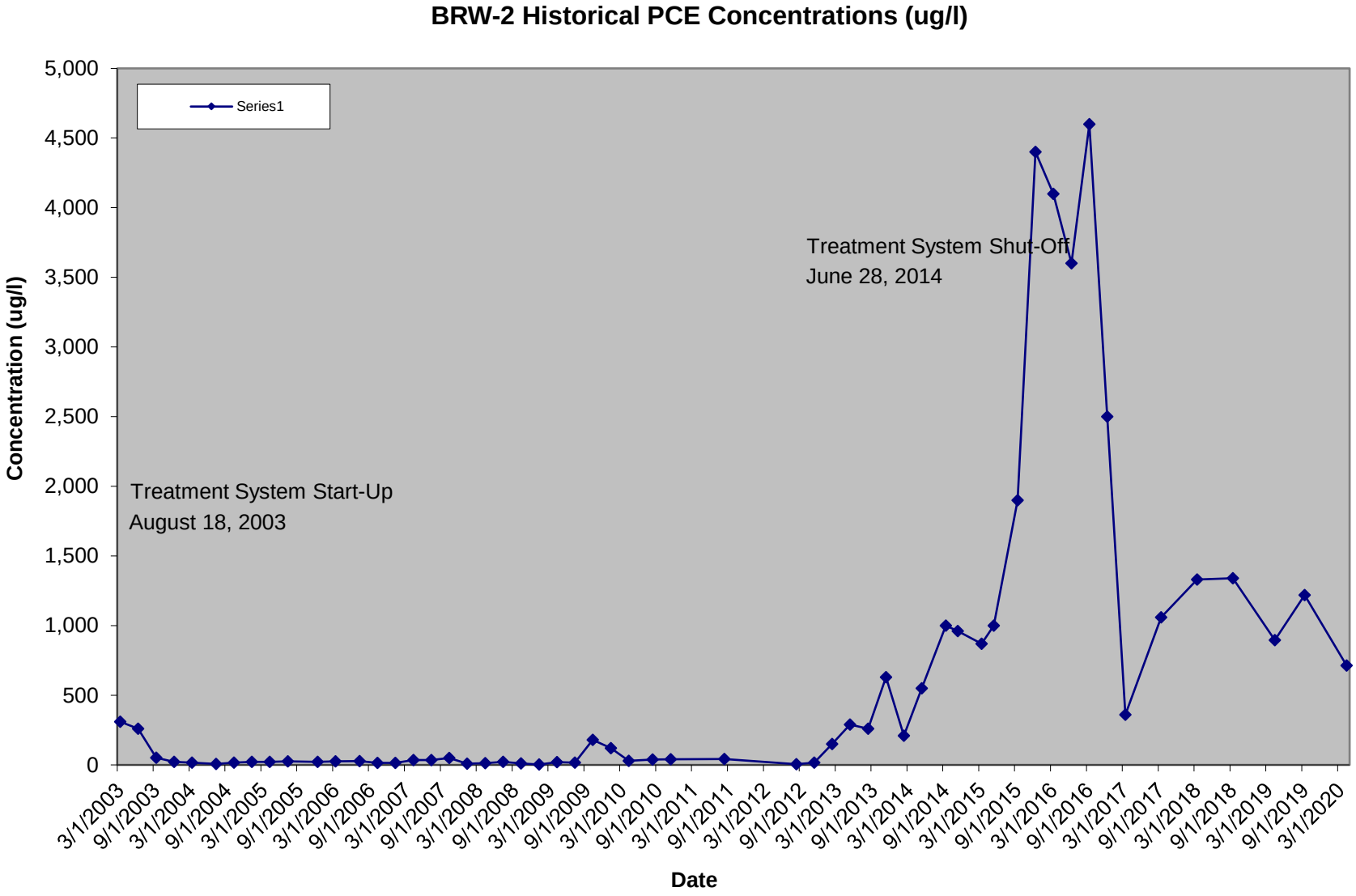
9/1/2019
3/1/2020
Date


BRW-2 Historical PCE Concentrations (ug/l)
Series1
Treatment System Start-Up
August 18, 2003
Treatment System Shut-Off
June 28, 2014
Concentration (ug/l)
5,000
4,500
4,000
3,500
3,000
2,500
2,000
1,500
1,000
500
0
3/1/2003
9/1/2003
3/1/2004
9/1/2004
3/1/2005
9/1/2005
3/1/2006
9/1/2006
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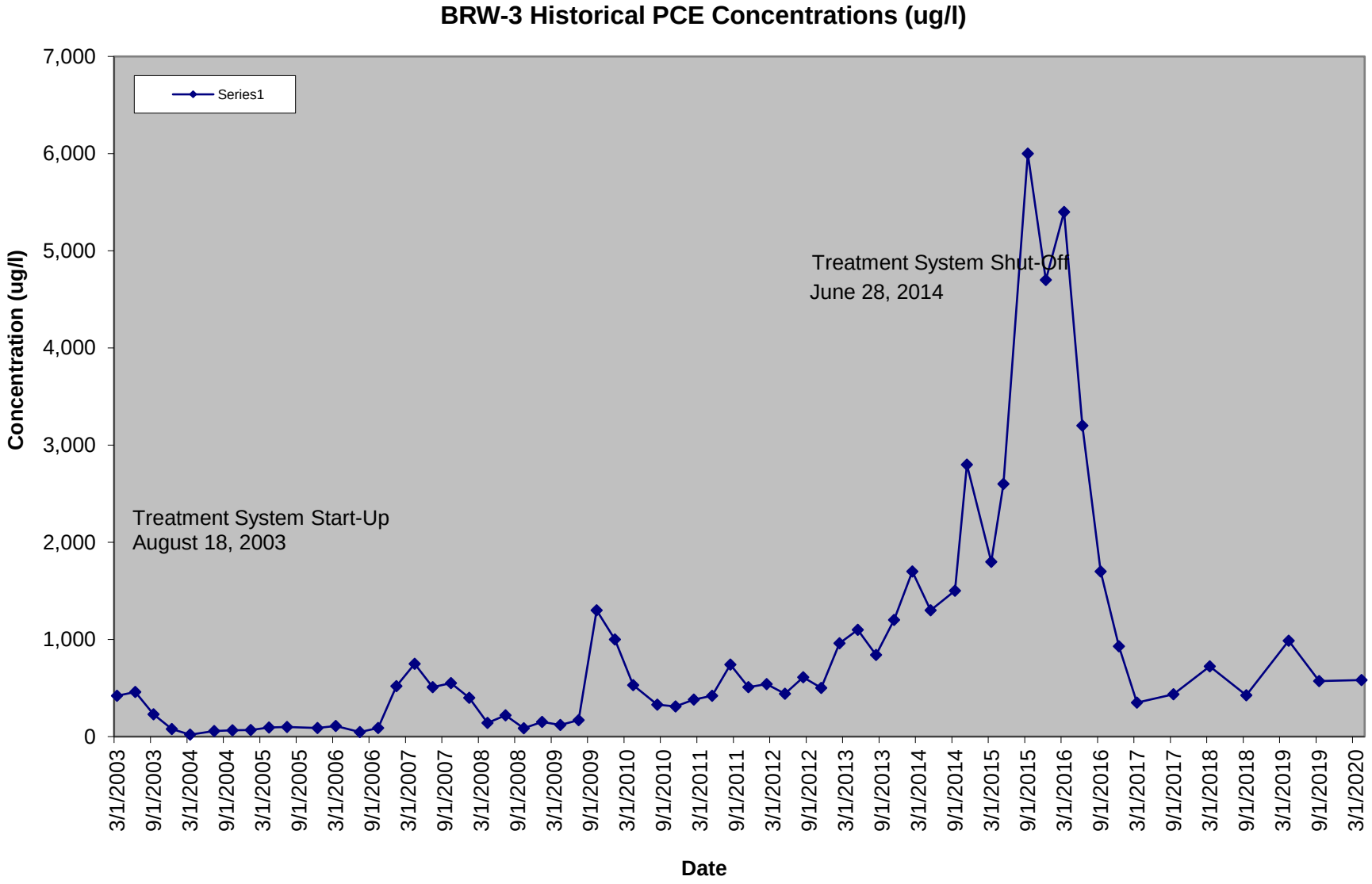
9/1/2018
3/1/2019
9/1/2019
3/1/2020
Date


BRW-3 Historical PCE Concentrations (ug/l)
Concentration (ug/l)
7,000
6,000
5,000
4,000
3,000
2,000
1,000
0
Series1
Treatment System Start-Up
August 18, 2003
Treatment System Shut-Off
June 28, 2014
3/1/2003
9/1/2003
3/1/2004
9/1/2004
3/1/2005
9/1/2005
3/1/2006
9/1/2006
3/1/2007
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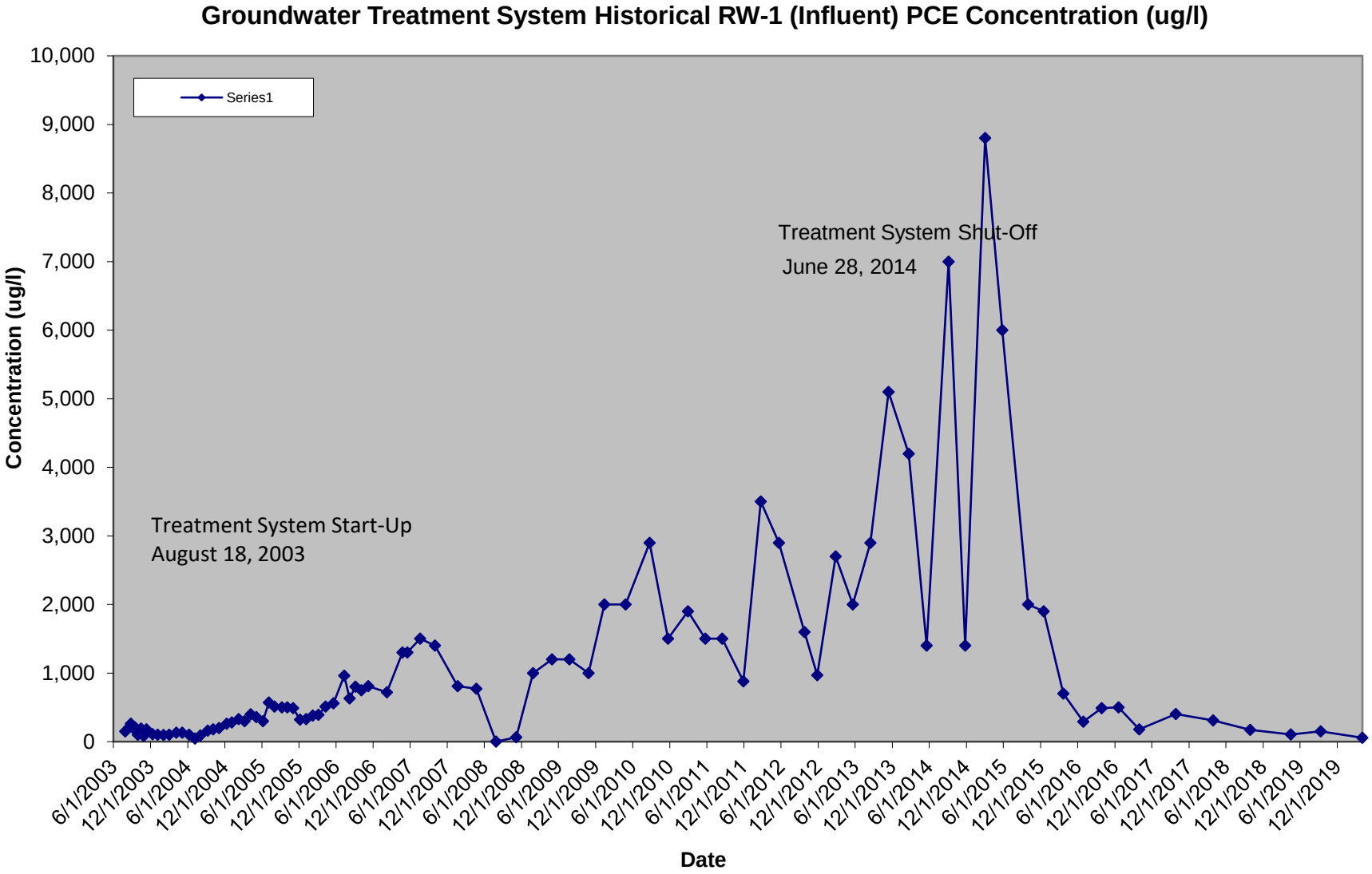
9/1/2019
3/1/2020
Date


Groundwater Treatment System Historical RW-1 (Influent) PCE Concentration (ug/l)
Series1
Treatment System Shut-Off
June 28, 2014
Treatment System Start-Up
August 18, 2003
Concentration (ug/l)
10,000
9,000
8,000
7,000
6,000
5,000
4,000
3,000
2,000
1,000
0
6/1/2003
12/1/2003
6/1/2004
12/1/2004
6/1/2005
12/1/2005
6/1/2006
12/1/2006
6/1/2007
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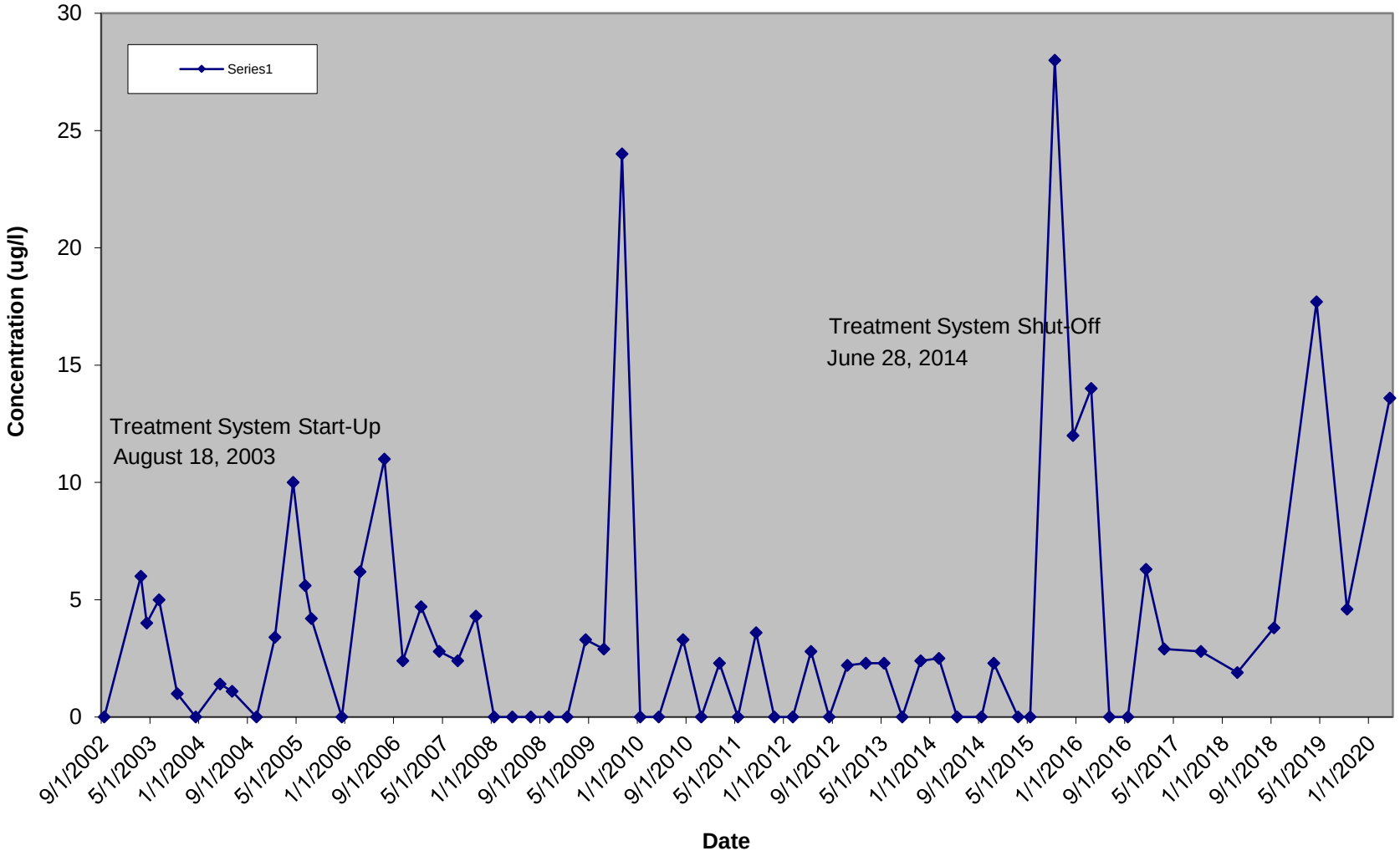
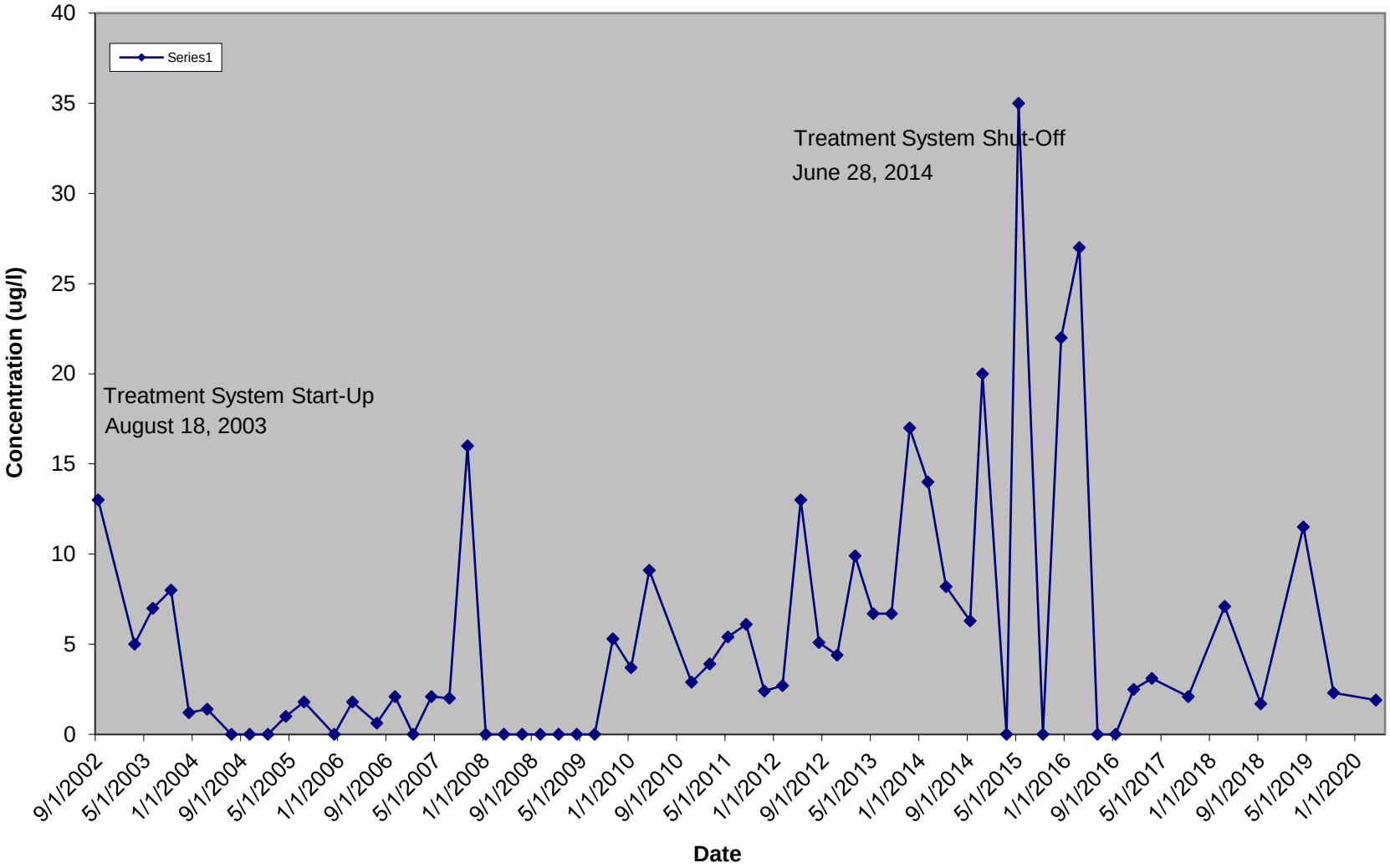
6/1/2016
12/1/2016
6/1/2017
12/1/2017
6/1/2018
12/1/2018
6/1/2019
12/1/2019
Date

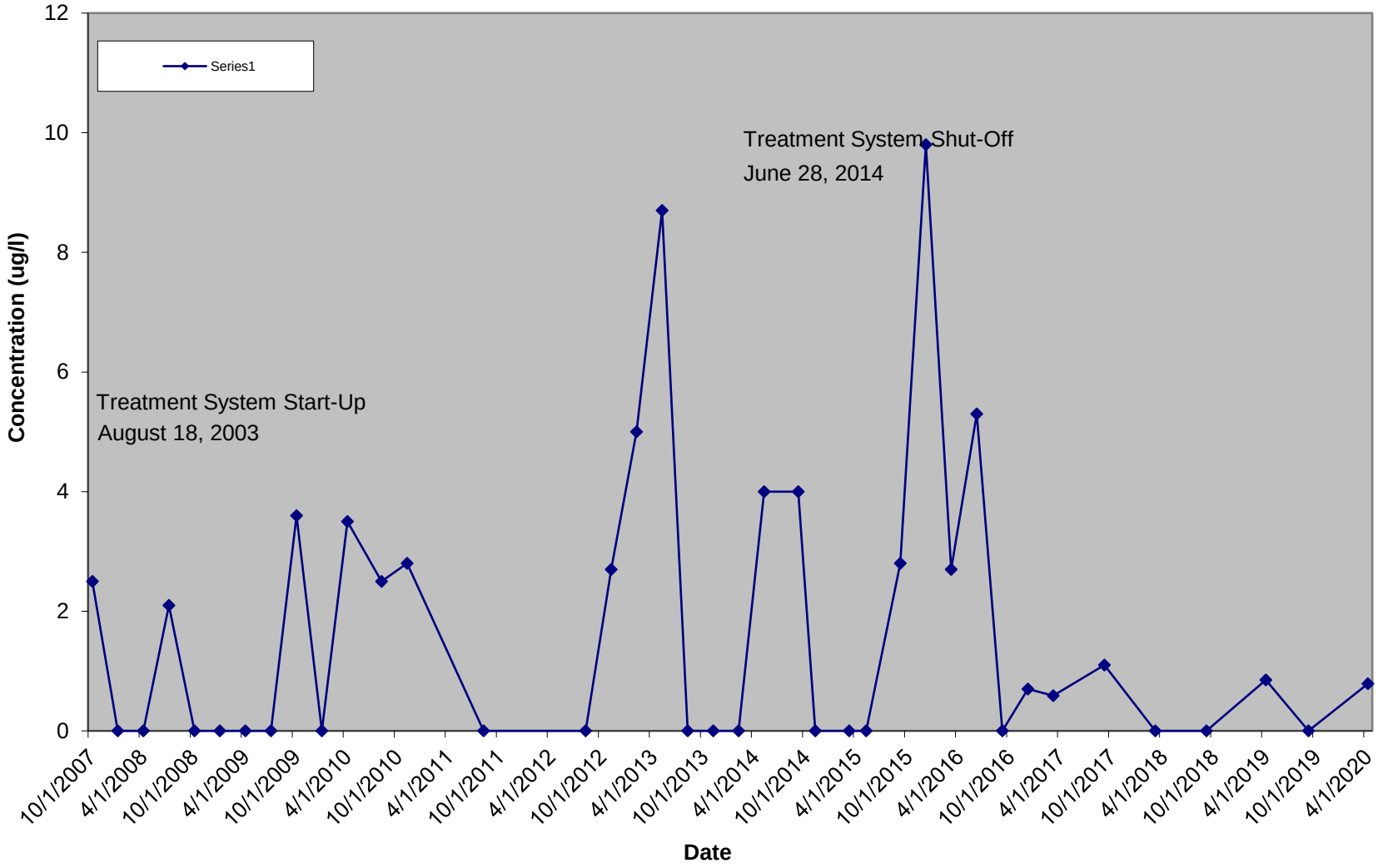
MW-1 Historical TCE Concentrations (ug/l)



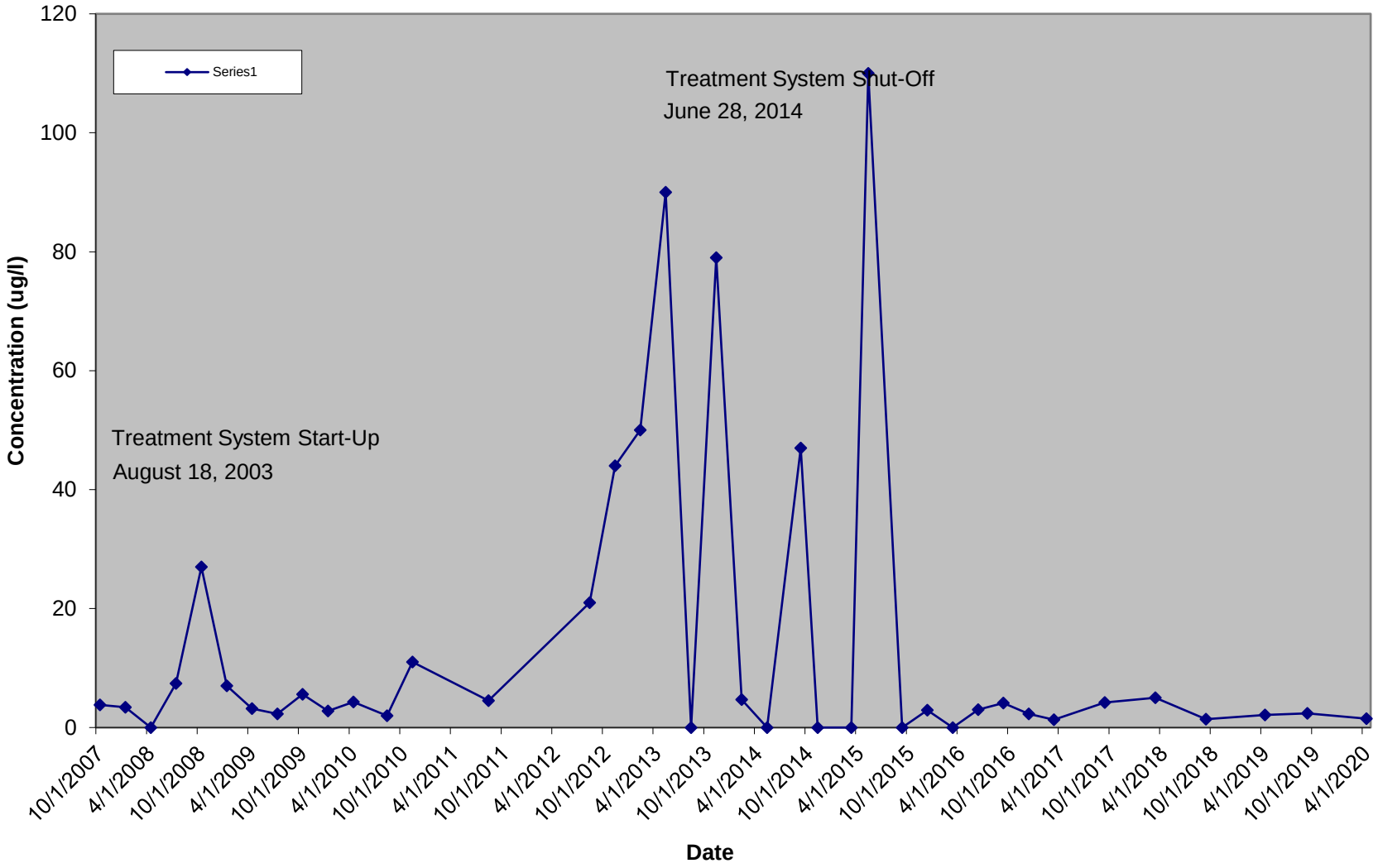
MW-6 Historical TCE Concentrations (ug/l)



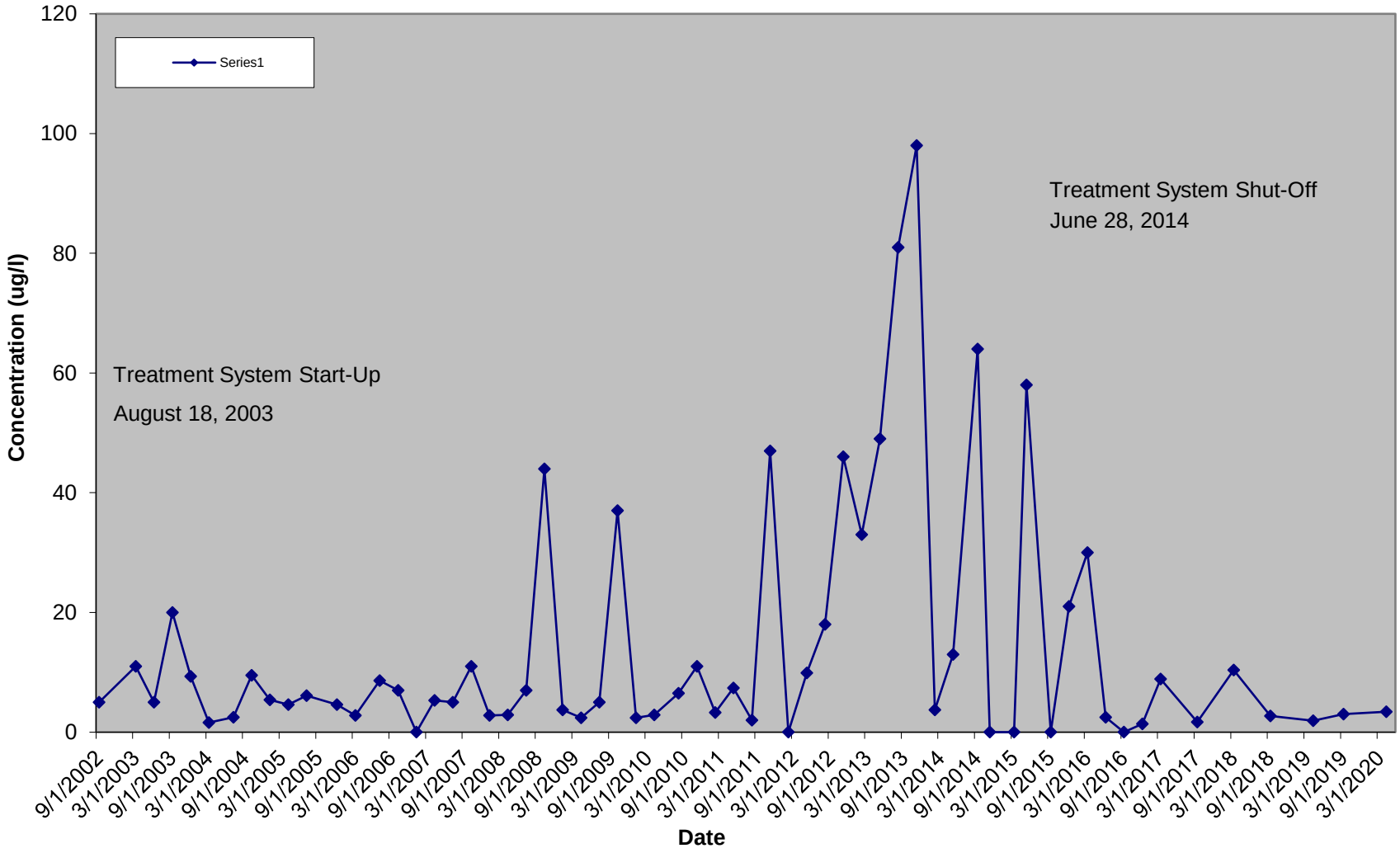
MW-7 Historical TCE Concentrations (ug/l)



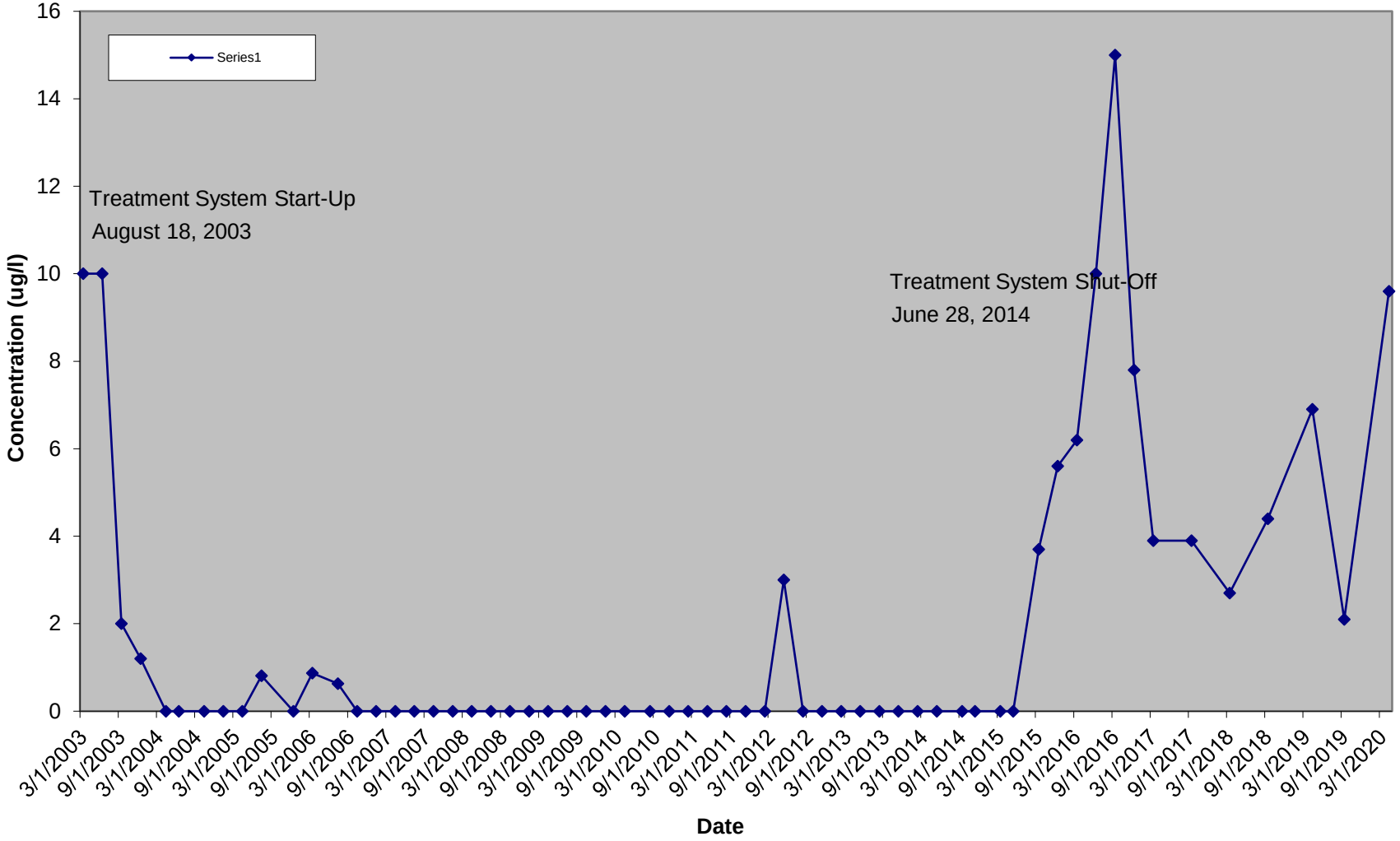
MW-8 Historical TCE Concentrations (ug/l)



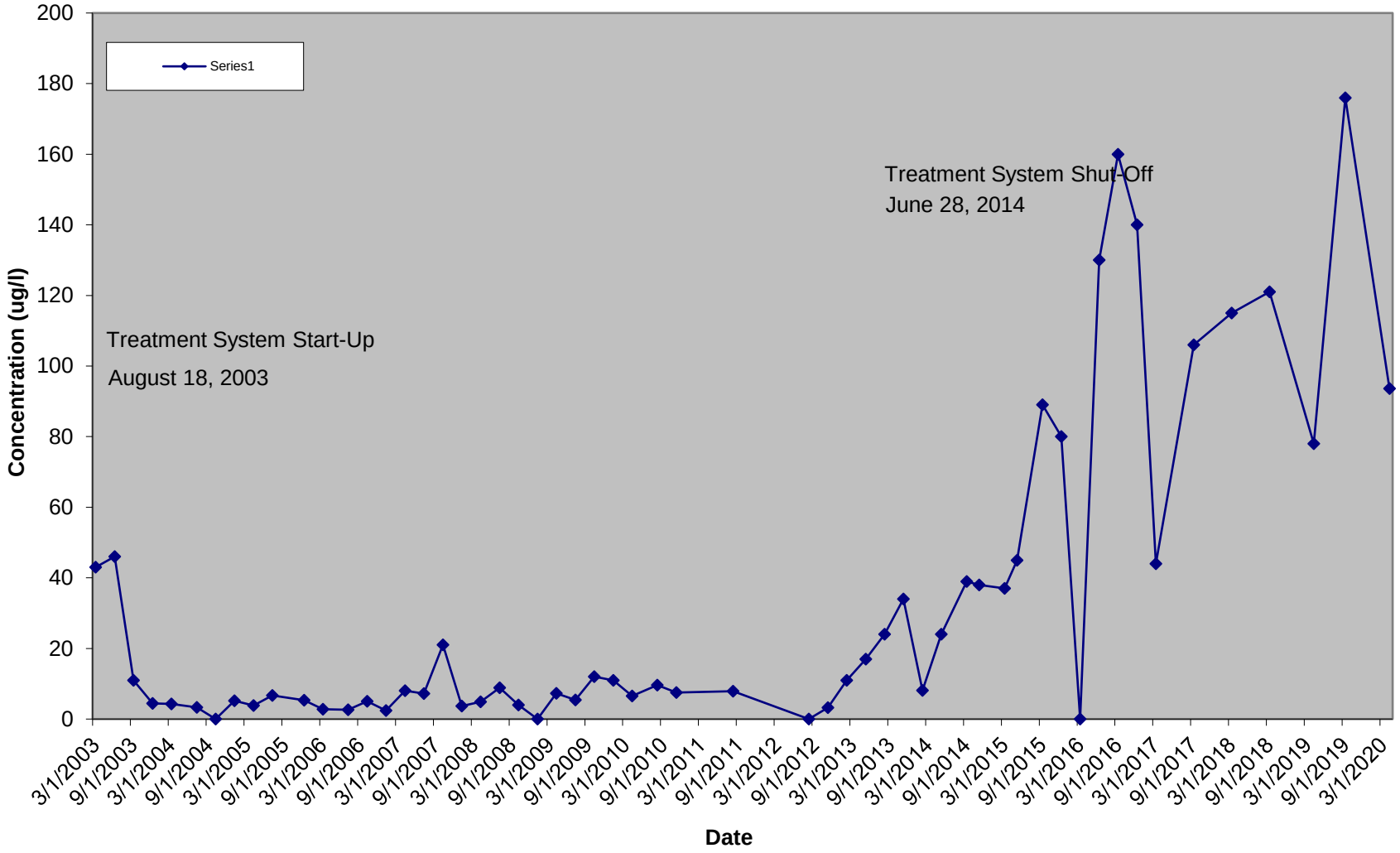
MW-9 Historical TCE Concentrations (ug/l)



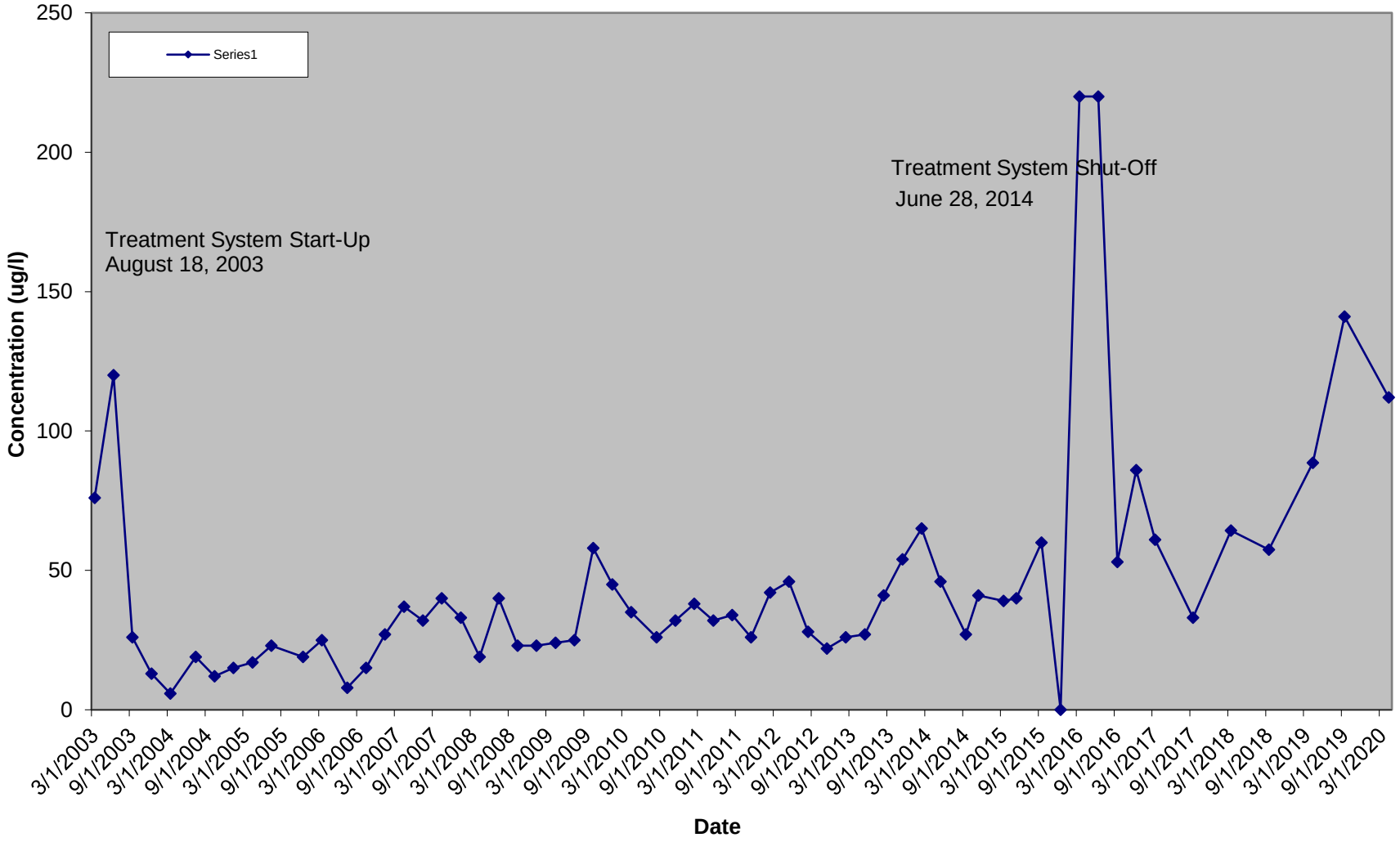
BRW-1 Historical TCE Concentrations (ug/l)



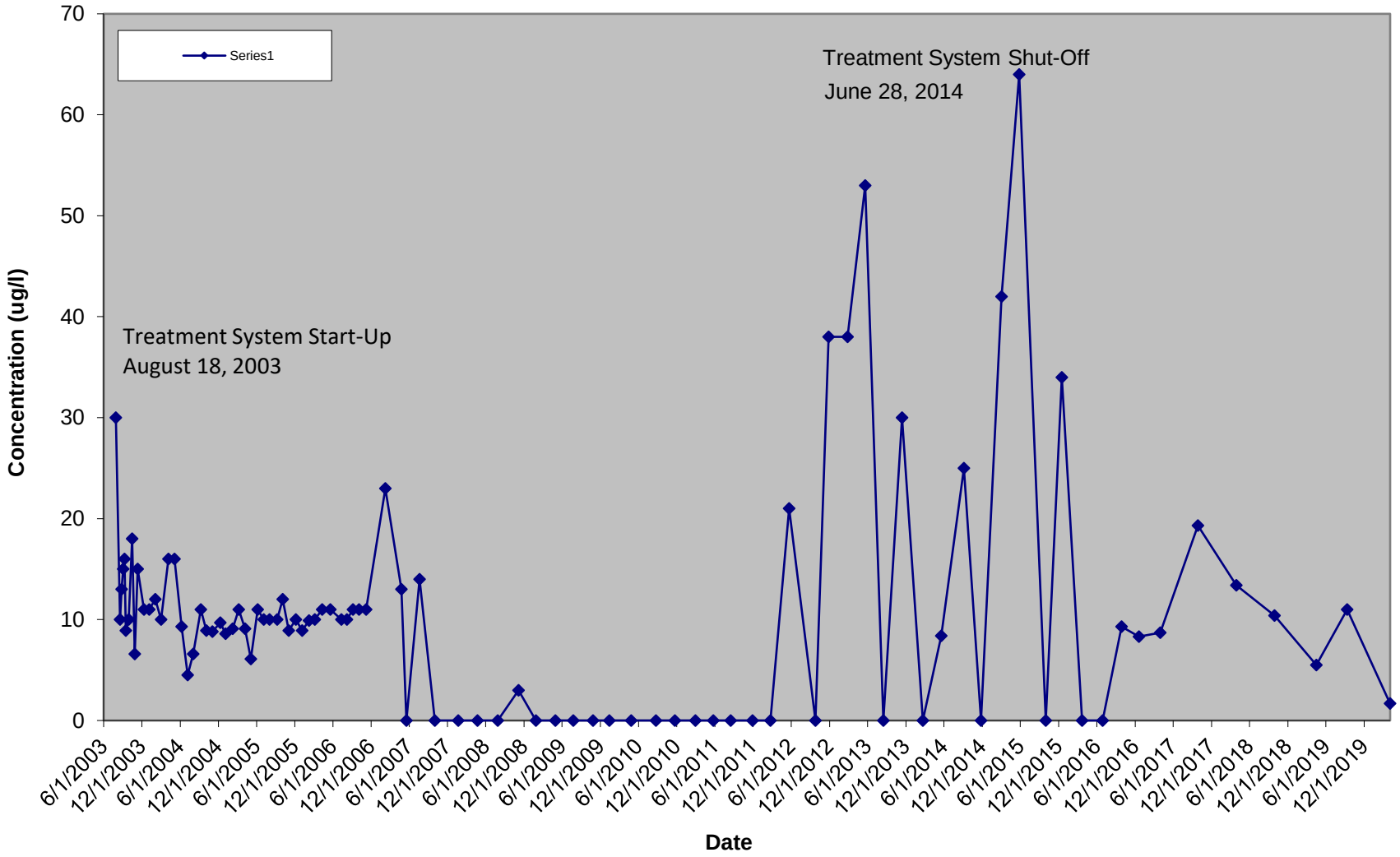
BRW-2 Historical TCE Concentrations (ug/l)



BRW-3 Historical TCE Concentrations (ug/l)



Groundwater Treatment System Historical RW-1 (Influent) TCE Concentration (ug/l)



Appendix A

Monitoring Well Purge Logs

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158 West 29th Street, 9Fl. , New York, New York 10001
http://www.flemingleeshue.com

WELL PURGE LOG

Project: **Info Tech High School**

Monitoring Well: MW-1 | Well Volume: 0.47 gal | Initial Depth To Water 16.31 ft-btc

Date: 4/2/2020 | Total Gallons Purged: 2.13 gal | Depth to Product: - ft-btc

Time Pump On: 9:23 | Average Purge Rate: 191.69 mL/min | Total Depth: 19.2 ft-btc

Time of Sample Collection: 9:58 10:03 | Purge Method: Peristaltic | Water Column: 2.89 ft

Time Pump Off: 10:05 | PID Reading : 0.1 ppm | Well Diameter: 2 inch

TIME	ELAPSED TIME (min.)	DTW (ft-btc)	Well Volume Purged (gal)	Total Volume Purged (gal)	T (°C)	pH (s.u.)	ORP (mV)	Cond (mS/cm)	Turbidity (NTUs)	D.O. (mg/L)	TDS (g/L)	Sal (%)	Odor/Color
9:23	0				16.64	4.47	295	0.00	221.0	11.31	0.00	0.16	-
9:28	5				15.08	6.28	201	3.04	13.0	3.81	1.94	0.16	no odor / no color
9:33	10				15.20	6.49	196	3.03	7.2	3.26	1.94	0.16	no odor / no color
9:38	15				15.24	6.59	194	3.03	4.3	2.92	1.94	0.16	no odor / no color
9:43	20				15.37	6.66	193	3.03	2.9	2.92	1.94	0.16	no odor / no color
9:48	25				15.43	6.72	193	3.03	1.5	2.82	1.94	0.16	no odor / no color
9:53	30				15.49	6.76	193	3.02	1.4	2.80	1.94	0.16	no odor / no color
Allowable Fluctuations:					3%	±0.1	±10 mV	3%	10% if >5 NTU 3 rounds if <5	10% if >0.5 mg/L 3 rounds if <0.5			

Notes:

ppm = parts per million
min = minutes
DTW = depth to water
ft-btc = feet below top of casing
gal = gallons
T = temperature
°C = degrees Celcius

s.u. = standard units
ORP = oxidation reduction potential
mV = millivolts
Cond = conductivity
mS/cm = milliSiemens per centimeter
NTUs = Nephelemetric Turbidity Units
mg/L = milligrams per liter

mL/min = milliliters per minute
TDS = total dissolved solids
g/L = grams per Liter
Sal = salinity
wc = water column

Well Volume (gal) = $5.8752*D^2*wc$, where D = well diameter (feet)

Well Dia	1"	2"	4"
Multiply wc by	0.041	0.163	0.653

Well Volume Purged (gal) = Average Purge Rate (mL/min) * Time Elapsed * .000264

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WELL PURGE LOG

Project: **Info Tech High School**

Monitoring Well: MW-6 | Well Volume: 5.93 gal | Initial Depth To Water 16.63 ft-btc

Date: 4/2/2020 | Total Gallons Purged: 3.06 gal | Depth to Product: - ft-btc

Time Pump On: 11:55 | Average Purge Rate: 246.73 mL/min | Total Depth: 25.71 ft-btc

Time of Sample Collection: 12:35 | Purge Method: Peristaltic | Water Column: 9.08 ft

Time Pump Off: 11:42 | PID Reading : 0.3 ppm | Well Diameter: 4 inch

TIME	ELAPSED TIME (min.)	DTW (ft-btc)	Well Volume Purged (gal)	Total Volume Purged (gal)	T (°C)	pH (s.u.)	ORP (mV)	Cond (mS/cm)	Turbidity (NTUs)	D.O. (mg/L)	TDS (g/L)	Sal (%)	Odor/Color
11:55	0				15.00	7.16	128	0.00	213.0	9.88	0.000	0.00	-
12:00	5				15.72	7.41	156	1.40	0.0	3.94	0.893	0.07	no odor / no color
12:05	10				15.79	7.32	172	1.37	0.0	3.20	0.874	0.07	no odor / no color
12:10	15				15.88	7.30	179	1.35	0.0	3.02	0.863	0.07	no odor / no color
12:15	20				15.93	7.28	189	1.34	0.0	2.89	0.860	0.07	no odor / no color
12:20	25				16.05	7.23	209	1.38	0.0	2.72	0.868	0.07	no odor / no color
12:25	30				16.19	7.18	217	1.35	0.0	2.72	0.887	0.08	no odor / no color
12:30	35				16.25	7.13	219	1.39	0.0	2.76	0.910	0.09	no odor / no color
Allowable Fluctuations:					3%	±0.1	±10 mV	3%	10% if >5 NTU 3 rounds if <5	10% if >0.5 mg/L 3 rounds if <0.5			

Notes:

ppm = parts per million
min = minutes
DTW = depth to water
ft-btc = feet below top of casing
gal = gallons
T = temperature
°C = degrees Celcius

s.u. = standard units
ORP = oxidation reduction potential
mV = millivolts
Cond = conductivity
mS/cm = milliSiemens per centimeter
NTUs = Nephelemetric Turbidity Units
mg/L = milligrams per liter

mL/min = milliliters per minute
TDS = total dissolved solids
g/L = grams per Liter
Sal = salinity
wc = water column

Well Volume (gal) = $5.8752 * D^2 * wc$, where D = well diameter (feet)

Well Dia	1"	2"	4"
Multiply wc by	0.041	0.163	0.653

Well Volume Purged (gal) = Average Purge Rate (mL/min) * Time Elapsed * .000264

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WELL PURGE LOG

Project: **Info Tech High School**

Monitoring Well: MW-7 | Well Volume: 3.17 gal | Initial Depth To Water 16.54 ft-btc

Date: 4/2/2020 | Total Gallons Purged: 2.06 gal | Depth to Product: - ft-btc

Time Pump On: 12:48 | Average Purge Rate: 244.09 mL/min | Total Depth: 21.39 ft-btc

Time of Sample Collection: 13:18 | Purge Method: Peristaltic | Water Column: 4.85 ft

Time Pump Off: 13:20 | PID Reading : 0.1 ppm | Well Diameter: 4 inch

TIME	ELAPSED TIME (min.)	DTW (ft-btc)	Well Volume Purged (gal)	Total Volume Purged (gal)	T (°C)	pH (s.u.)	ORP (mV)	Cond (mS/cm)	Turbidity (NTUs)	D.O. (mg/L)	TDS (g/L)	Sal (%)	Odor/Color
12:48	0				15.39	7.14	194	0.000	213.0	7.13	0.000	0.00	-
12:53	5				15.87	7.83	193	0.641	9.1	3.88	0.410	0.03	no odor / no color
12:58	10				15.93	7.82	196	0.632	8.5	3.08	0.404	0.03	no odor / no color
13:03	15				15.98	7.83	194	0.628	7.3	2.56	0.402	0.03	no odor / no color
13:08	20				16.01	7.83	195	0.632	6.2	2.50	0.404	0.03	no odor / no color
13:13	25				15.98	7.83	198	0.632	6.5	2.60	0.404	0.03	no odor / no color
Allowable Fluctuations:					3%	±0.1	±10 mV	3%	10% if >5 NTU 3 rounds if <5	10% if >0.5 mg/L 3 rounds if <0.5			

Notes:

ppm = parts per million
min = minutes
DTW = depth to water
ft-btc = feet below top of casing
gal = gallons
T = temperature
°C = degrees Celcius

s.u. = standard units
ORP = oxidation reduction potential
mV = millivolts
Cond = conductivity
mS/cm = milliSiemens per centimeter
NTUs = Nephelemetric Turbidity Units
mg/L = milligrams per liter

mL/min = milliliters per minute
TDS = total dissolved solids
g/L = grams per Liter
Sal = salinity
wc = water column

Well Volume (gal) = $5.8752*D^2*wc$, where D = well diameter (feet)

Well Dia	1"	2"	4"
Multiply wc by	0.041	0.163	0.653

Well Volume Purged (gal) = Average Purge Rate (mL/min) * Time Elapsed * .000264

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WELL PURGE LOG

Project: **Info Tech High School**

Monitoring Well: MW-8 | Well Volume: 4.51 gal | Initial Depth To Water 8.12 ft-btc

Date: 4/2/2020 | Total Gallons Purged: 2.26 gal | Depth to Product: - ft-btc

Time Pump On: 10:19 | Average Purge Rate: 251.62 mL/min | Total Depth: 15.02 ft-btc

Time of Sample Collection: 10:51 | Purge Method: Peristaltic | Water Column: 6.9 ft

Time Pump Off: 10:53 | PID Reading : 0.1 ppm | Well Diameter: 4 inch

TIME	ELAPSED TIME (min.)	DTW (ft-btc)	Well Volume Purged (gal)	Total Volume Purged (gal)	T (°C)	pH (s.u.)	ORP (mV)	Cond (mS/cm)	Turbidity (NTUs)	D.O. (mg/L)	TDS (g/L)	Sal (%)	Odor/Color
10:20	1				15.09	7.02	230	0.87	6.4	4.99	0.56	0.04	no odor / no color
10:25	6				15.71	6.90	259	1.18	6.1	3.47	0.73	0.06	no odor / no color
10:30	11				15.87	6.85	258	1.93	6.3	2.83	1.24	0.10	no odor / no color
10:35	16				16.03	6.86	262	2.04	5.0	2.02	1.29	0.10	no odor / no color
10:40	21				16.14	6.85	263	2.05	5.3	2.29	1.32	0.10	no odor / no color
10:45	26				16.11	6.84	265	2.06	5.4	2.26	1.33	0.11	no odor / no color
10:50	31				16.17	6.83	266	2.08	5.1	2.31	1.330	0.11	no odor / no color

Notes: **Allowable Fluctuations:** 3% | ±0.1 | ±10 mV | 3% | 10% if >5 NTU, 3 rounds if <5 | 10% if >0.5 mg/L, 3 rounds if <0.5

ppm = parts per million
min = minutes
DTW = depth to water
ft-btc = feet below top of casing
gal = gallons
T = temperature
°C = degrees Celcius
s.u. = standard units
ORP = oxidation reduction potential
mV = millivolts
Cond = conductivity
mS/cm = milliSiemens per centimeter
NTUs = Nephelemetric Turbidity Units
mg/L = milligrams per liter
mL/min = milliliters per minute
TDS = total dissolved solids
g/L = grams per Liter
Sal = salinity
wc = water column

Well Volume (gal) = $5.8752 * D^2 * wc$, where D = well diameter (feet)

Well Dia	1"	2"	4"
Multiply wc by	0.041	0.163	0.653

Well Volume Purged (gal) = Average Purge Rate (mL/min) * Time Elapsed * .000264

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WELL PURGE LOG

Project: **Info Tech High School**

Monitoring Well: MW-9 | Well Volume: 5.02 gal | Initial Depth To Water 8.18 ft-btc

Date: 4/2/2020 | Total Gallons Purged: 2.36 gal | Depth to Product: - ft-btc

Time Pump On: 9:35 | Average Purge Rate: 308.05 mL/min | Total Depth: 15.86 ft-btc

Time of Sample Collection: 10:02 | Purge Method: Peristaltic | Water Column: 7.68 ft

Time Pump Off: 10:04 | PID Reading : 0.6 ppm | Well Diameter: 4 inch

TIME	ELAPSED TIME (min.)	DTW (ft-btc)	Well Volume Purged (gal)	Total Volume Purged (gal)	T (^{o}C)	pH (s.u.)	ORP (mV)	Cond (mS/cm)	Turbidity (NTUs)	D.O. (mg/L)	TDS (g/L)	Sal (%)	Odor/Color
9:36	1				15.27	5.90	305	2.95	1.0	5.40	1.89	0.15	no odor / no color
9:41	6				16.12	6.64	270	2.94	0.8	3.74	1.89	0.15	no odor / no color
9:46	11				16.35	6.73	264	2.96	0.6	3.44	1.90	0.16	no odor / no color
9:51	16				16.39	6.76	268	2.96	0.1	3.20	1.90	0.16	no odor / no color
9:56	21				16.48	6.77	268	2.96	0.1	3.17	1.90	0.16	no odor / no color
10:01	26				16.45	6.77	268	2.96	0.0	3.12	1.90	0.16	no odor / no color
Allowable Fluctuations:					3%	±0.1	±10 mV	3%	10% if >5 NTU 3 rounds if <5	10% if >0.5 mg/L 3 rounds if <0.5			

Notes:

ppm = parts per million
min = minutes
DTW = depth to water
ft-btc = feet below top of casing
gal = gallons
T = temperature
^{o}C = degrees Celcius
s.u. = standard units
ORP = oxidation reduction potential
mV = millivolts
Cond = conductivity
mS/cm = milliSiemens per centimeter
NTUs = Nephelemetric Turbidity Units
mg/L = milligrams per liter
mL/min = milliliters per minute
TDS = total dissolved solids
g/L = grams per Liter
Sal = salinity
wc = water column

Well Volume (gal) = 5.8752*D^{2}*wc, where D = well diameter (feet)

Well Dia	1"	2"	4"
Multiply wc by	0.041	0.163	0.653

Well Volume Purged (gal) = Average Purge Rate (mL/min) * Time Elapsed * .000264

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WELL PURGE LOG

Project: Queens Plaza

Monitoring Well: BMRW-1 | Well Volume: 1.52 gal | Initial Depth To Water 16.76 ft-btc

Date: 4/2/2020 | Total Gallons Purged: 2.06 gal | Depth to Product: - ft-btc

Time Pump On: 10:28 | Average Purge Rate: 243.69 mL/min | Total Depth: 26.06 ft-btc

Time of Sample Collection: 10:58 | Purge Method: Peristaltic | Water Column: 9.3 ft

Time Pump Off: 11:00 | PID Reading : 0.0 ppm | Well Diameter: 2 inch

TIME	ELAPSED TIME (min.)	DTW (ft-btc)	Well Volume Purged (gal)	Total Volume Purged (gal)	T (°C)	pH (s.u.)	ORP (mV)	Cond (mS/cm)	Turbidity (NTUs)	D.O. (mg/L)	TDS (g/L)	Sal (%)	Odor/Color
10:28	0				12.88	6.94	151	0.000	216.0	8.40	0.000	0.00	-
10:33	5				16.66	6.95	20	3.500	22.7	0.31	2.21	0.18	no odor / no color
10:38	10				16.46	6.95	21	3.14	2.8	0.08	2.01	0.16	no odor / no color
10:43	15				16.55	6.97	21	3.02	0.7	0.00	2.01	0.16	no odor / no color
10:48	20				16.63	6.98	22	2.94	0.1	0.00	1.88	0.15	no odor / no color
10:53	25				16.71	6.99	25	2.94	0.0	0.00	1.86	0.15	no odor / no color
Allowable Fluctuations:					3%	±0.1	±10 mV	3%	10% if >5 NTU 3 rounds if <5	10% if >0.5 mg/L 3 rounds if <0.5			

Notes:

ppm = parts per million
min = minutes
DTW = depth to water
ft-btc = feet below top of casing
gal = gallons
T = temperature
°C = degrees Celcius
s.u. = standard units
ORP = oxidation reduction potential
mV = millivolts
Cond = conductivity
mS/cm = milliSiemens per centimeter
NTUs = Nephelemetric Turbidity Units
mg/L = milligrams per liter
mL/min = milliliters per minute
TDS = total dissolved solids
g/L = grams per Liter
Sal = salinity
wc = water column

Well Volume (gal) = $5.8752*D^2*wc$, where D = well diameter (feet)

Well Dia	1"	2"	4"
Multiply wc by	0.041	0.163	0.653

Well Volume Purged (gal) = Average Purge Rate (mL/min) * Time Elapsed * .000264

Fleming Lee Shue

Environmental Management & Consulting
158 West 29th Street, 9Fl. , New York, New York 10001
http://www.flemingleeshue.com

WELL PURGE LOG

Project: **Info Tech High School**

Monitoring Well: BMRW-2 | Well Volume: 2.66 gal | Initial Depth To Water 16.24 ft-btc

Date: 4/2/2020 | Total Gallons Purged: 2.06 gal | Depth to Product: - ft-btc

Time Pump On: 11:10 | Average Purge Rate: 243.69 mL/min | Total Depth: 32.58 ft-btc

Time of Sample Collection: 11:40 | Purge Method: Peristaltic | Water Column: 16.34 ft

Time Pump Off: 11:42 | PID Reading : 62.6 ppm | Well Diameter: 2 inch

TIME	ELAPSED TIME (min.)	DTW (ft-btc)	Well Volume Purged (gal)	Total Volume Purged (gal)	T (°C)	pH (s.u.)	ORP (mV)	Cond (mS/cm)	Turbidity (NTUs)	D.O. (mg/L)	TDS (g/L)	Sal (%)	Odor/Color
11:10	0				14.63	7.08	107	0.00	216.0	1.91	0.00	0.00	-
11:15	5				15.87	7.10	121	2.77	1.8	1.09	1.77	0.14	no odor / no color
11:20	10				16.08	7.08	123	2.78	0.7	0.44	1.78	0.14	no odor / no color
11:25	15				16.16	7.06	132	2.82	0.0	0.00	1.81	0.15	no odor / no color
11:30	20				16.28	7.05	139	2.86	0.0	0.00	1.83	0.15	no odor / no color
11:35	25				16.34	7.04	142	2.90	0.0	0.00	1.85	0.15	no odor / no color
Allowable Fluctuations:					3%	±0.1	±10 mV	3%	10% if >5 NTU 3 rounds if <5	10% if >0.5 mg/L 3 rounds if <0.5			

Notes:

ppm = parts per million
min = minutes
DTW = depth to water
ft-btc = feet below top of casing
gal = gallons
T = temperature
°C = degrees Celcius
s.u. = standard units
ORP = oxidation reduction potential
mV = millivolts
Cond = conductivity
mS/cm = milliSiemens per centimeter
NTUs = Nephelemetric Turbidity Units
mg/L = milligrams per liter
mL/min = milliliters per minute
TDS = total dissolved solids
g/L = grams per Liter
Sal = salinity
wc = water column

Well Volume (gal) = $5.8752 * D^2 * wc$, where D = well diameter (feet)

Well Dia	1"	2"	4"
Multiply wc by	0.041	0.163	0.653

Well Volume Purged (gal) = Average Purge Rate (mL/min) * Time Elapsed * .000264

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WELL PURGE LOG

Project: **Info Tech High School**

Monitoring Well: BMRW-3 | Well Volume: 2.01 gal | Initial Depth To Water 16.22 ft-btc

Date: 4/2/2020 | Total Gallons Purged: 1.86 gal | Depth to Product: - ft-btc

Time Pump On: 11:53 | Average Purge Rate: 234.70 mL/min | Total Depth: 28.56 ft-btc

Time of Sample Collection: 12:21 | Purge Method: Peristaltic | Water Column: 12.34 ft

Time Pump Off: 12:23 | PID Reading : 12.1 ppm | Well Diameter: 2 inch

TIME	ELAPSED TIME (min.)	DTW (ft-btc)	Well Volume Purged (gal)	Total Volume Purged (gal)	T (°C)	pH (s.u.)	ORP (mV)	Cond (mS/cm)	Turbidity (NTUs)	D.O. (mg/L)	TDS (g/L)	Sal (%)	Odor/Color
11:55	2				15.93	6.43	293	2.76	8.2	1.36	1.77	0.14	no odor / no color
12:00	7				16.41	6.53	281	2.88	6.4	0.00	1.84	0.15	no odor / no color
12:05	12				16.52	6.54	278	2.90	4.4	0.22	1.86	0.15	no odor / no color
12:10	17				16.61	6.55	275	2.94	3.5	0.00	1.88	0.15	no odor / no color
12:15	22				16.67	6.55	274	2.95	2.9	0.00	1.89	0.15	no odor / no color
12:20	27				16.72	6.55	272	2.96	1.5	0.00	1.91	0.16	no odor / no color
Allowable Fluctuations:					3%	±0.1	±10 mV	3%	10% if >5 NTU 3 rounds if <5	10% if >0.5 mg/L 3 rounds if <0.5			

Notes:

ppm = parts per million
min = minutes
DTW = depth to water
ft-btc = feet below top of casing
gal = gallons
T = temperature
°C = degrees Celcius

s.u. = standard units
ORP = oxidation reduction potential
mV = millivolts
Cond = conductivity
mS/cm = milliSiemens per centimeter
NTUs = Nephelemetric Turbidity Units
mg/L = milligrams per liter

mL/min = milliliters per minute
TDS = total dissolved solids
g/L = grams per Liter
Sal = salinity
wc = water column

Well Volume (gal) = $5.8752*D^2*wc$, where D = well diameter (feet)

Well Dia	1"	2"	4"
Multiply wc by	0.041	0.163	0.653

Well Volume Purged (gal) = Average Purge Rate (mL/min) * Time Elapsed * .000264

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http://www.flemingleeshue.com

WELL PURGE LOG

Project: **Info Tech High School**

Monitoring Well: RW-1 | Well Volume: 16.69 gal | Initial Depth To Water 15.42 ft-btc

Date: 9/10/2019 | Total Gallons Purged: 2.76 gal | Depth to Product: - ft-btc

Time Pump On: 11:05 | Average Purge Rate: 316.60 mL/min | Total Depth: 21.81 ft-btc

Time of Sample Collection: 11:36 | Purge Method: Peristaltic | Water Column: 6.39 ft

Time Pump Off: 11:38 | PID Reading : 0.0 ppm | Well Diameter: 8 inch

TIME	ELAPSED TIME (min.)	DTW (ft-btc)	Well Volume Purged (gal)	Total Volume Purged (gal)	T (°C)	pH (s.u.)	ORP (mV)	Cond (mS/cm)	Turbidity (NTUs)	D.O. (mg/L)	TDS (g/L)	Sal (%)	Odor/Color
11:05	0				15.20	7.02	267	0.523	8.2	4.98	0.332	0.02	no odor / no color
11:10	5				15.59	7.12	271	0.459	4.2	3.01	0.298	0.02	no odor / no color
11:15	10				15.68	7.10	276	0.444	3.3	2.81	0.288	0.02	no odor / no color
11:20	15				15.72	7.09	277	0.440	2.3	2.67	0.286	0.02	no odor / no color
11:25	20				15.75	7.10	277	0.438	1.8	2.40	0.284	0.02	no odor / no color
11:30	25				15.79	7.09	275	0.437	1.9	2.43	0.284	0.02	no odor / no color
11:35	30				15.79	7.10	273	0.437	1.3	2.41	0.284	0.02	no odor / no color

Notes: **Allowable Fluctuations:** 3% | ±0.1 | ±10 mV | 3% | 10% if >5 NTU, 3 rounds if <5 | 10% if >0.5 mg/L, 3 rounds if <0.5

ppm = parts per million
min = minutes
DTW = depth to water
ft-btc = feet below top of casing
gal = gallons
T = temperature
°C = degrees Celcius
s.u. = standard units
ORP = oxidation reduction potential
mV = millivolts
Cond = conductivity
mS/cm = milliSiemens per centimeter
NTUs = Nephelemetric Turbidity Units
mg/L = milligrams per liter
mL/min = milliliters per minute
TDS = total dissolved solids
g/L = grams per Liter
Sal = salinity
wc = water column

Well Volume (gal) = $5.8752 * D^2 * wc$, where D = well diameter (feet)

Well Dia	1"	2"	4"
Multiply wc by	0.041	0.163	0.653

Well Volume Purged (gal) = Average Purge Rate (mL/min) * Time Elapsed * .000264

Appendix B

Laboratory Analytical Data Report

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

Fleming-Lee Shue, Inc.

Info Tech High School, 21-16 44th Road, Long Island City, NY 10012

SGS Job Number: JD5554

Sampling Date: 04/02/20

Report to:

Fleming-Lee Shue, Inc.
158 West 29th Street 9th Floor
New York, NY 10001
Mark@FlemingLeeShue.com; joel@FlemingLeeShue.com

ATTN: Mark Hutson

Total number of pages in report: 224

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Laura Degenhardt
General Manager

Client Service contact: Tammy McCloskey 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, FL, IL, IN, KS, KY, LA, MA, MD, ME, MN, NC, OH VAP (CL0056), AK (UST-103), AZ (AZ0786), PA, RI, SC, TX, UT, VA, WV, DoD ELAP (ANAB L2248)

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SGS North America Inc.

Sample Summary

Fleming-Lee Shue, Inc.

Job No: JD5554

Info Tech High School, 21-16 44th Road, Long Island City, NY
Project No: 10012

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JD5554-1	04/02/20	09:58	JA	04/03/20	AQ	Ground Water	MW-1
JD5554-2	04/02/20	10:58	JA	04/03/20	AQ	Ground Water	BMRW-1
JD5554-3	04/02/20	11:40	JA	04/03/20	AQ	Ground Water	BMRW-2
JD5554-4	04/02/20	12:21	BH	04/03/20	AQ	Ground Water	BMRW-3
JD5554-5	04/02/20	12:35	JA	04/03/20	AQ	Ground Water	MW-6
JD5554-6	04/02/20	13:18	JA	04/03/20	AQ	Ground Water	MW-7
JD5554-7	04/02/20	10:51	BH	04/03/20	AQ	Ground Water	MW-8
JD5554-8	04/02/20	10:02	BH	04/03/20	AQ	Ground Water	MW-9
JD5554-9	04/02/20	11:36	BH	04/03/20	AQ	Ground Water	RW-1
JD5554-10	04/02/20	13:18		04/03/20	AQ	Trip Blank Water	TRIP BLANK-1
JD5554-11	04/02/20	09:06	JA	04/03/20	AQ	Field Blank Water	FIELD BLANK-1
JD5554-12	04/02/20	10:03	JA	04/03/20	AQ	Ground Water	MW-1 DUP

This report contains results reported as ND = Not detected. The following applies:
Organics ND = Not detected above the MDL

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	Fleming-Lee Shue, Inc.	**Job No**	JD5554
Site:	Info Tech High School, 21-16 44th Road, Long Island City, NY	**Report Date**	4/17/2020 3:17:33 PM

On 04/03/2020, 10 Sample(s), 1 Trip Blank(s) and 1 Field Blank(s) were received at SGS North America Inc. at a maximum corrected temperature of 2.8 C. Samples were intact and chemically preserved, unless noted below. A SGS North America Inc. Job Number of JD5554 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Compounds qualified as out of range in the continuing calibration summary report are acceptable as per method requirements when there is a high bias but the sample result is non-detect.

MS Volatiles By Method SW846 8260C

Matrix: AQ **Batch ID:** V3B7181

- All samples were analyzed within the recommended method holding time.
- Sample(s) JD5554-6MS, JD5554-6MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- RPD(s) for MS/MSD for Chloromethane, Vinyl chloride are outside control limits. Probable cause due to sample homogeneity.
- JD5554-1: Dilution required due to high concentration of target compound.
- JD5554-12: Dilution required due to high concentration of target compound.
- JD5554-3: Dilution required due to high concentration of target compound.

Matrix: AQ **Batch ID:** V3B7186

- All samples were analyzed within the recommended method holding time.
- Sample(s) JD5742-25MS, JD5742-25MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- RPD(s) for MS/MSD for Chloromethane are outside control limits. Outside control limits due to matrix interference.

SGS North America Inc. certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting the Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

SGS North America Inc. is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by SGS North America Inc indicated via signature on the report cover

Summary of Hits

Job Number: JD5554
Account: Fleming-Lee Shue, Inc.
Project: Info Tech High School, 21-16 44th Road, Long Island City, NY
Collected: 04/02/20

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JD5554-1	**MW-1**					
Tetrachloroethene		2670	100	90	ug/l	SW846 8260C
Trichloroethene [a]		13.6	10	5.3	ug/l	SW846 8260C
JD5554-2	**BMRW-1**					
Chlorobenzene		1.8	1.0	0.56	ug/l	SW846 8260C
cis-1,2-Dichloroethene		2.8	1.0	0.51	ug/l	SW846 8260C
Methyl Tert Butyl Ether		0.60 J	1.0	0.51	ug/l	SW846 8260C
Tetrachloroethene		78.9	1.0	0.90	ug/l	SW846 8260C
Trichloroethene		9.6	1.0	0.53	ug/l	SW846 8260C
JD5554-3	**BMRW-2**					
cis-1,2-Dichloroethene [a]		21.1	5.0	2.5	ug/l	SW846 8260C
Tetrachloroethene [a]		713	5.0	4.5	ug/l	SW846 8260C
Trichloroethene [a]		93.6	5.0	2.6	ug/l	SW846 8260C
JD5554-4	**BMRW-3**					
cis-1,2-Dichloroethene		22.2	1.0	0.51	ug/l	SW846 8260C
trans-1,2-Dichloroethene		1.9	1.0	0.54	ug/l	SW846 8260C
Tetrachloroethene		583	5.0	4.5	ug/l	SW846 8260C
Trichloroethene		112	1.0	0.53	ug/l	SW846 8260C
JD5554-5	**MW-6**					
Chloroform		0.72 J	1.0	0.50	ug/l	SW846 8260C
Tetrachloroethene		55.3	1.0	0.90	ug/l	SW846 8260C
Trichloroethene		1.9	1.0	0.53	ug/l	SW846 8260C
JD5554-6	**MW-7**					
Tetrachloroethene		25.2	1.0	0.90	ug/l	SW846 8260C
Trichloroethene		0.79 J	1.0	0.53	ug/l	SW846 8260C
JD5554-7	**MW-8**					
Chloroform		0.67 J	1.0	0.50	ug/l	SW846 8260C
Tetrachloroethene		31.6	1.0	0.90	ug/l	SW846 8260C
Trichloroethene		1.5	1.0	0.53	ug/l	SW846 8260C

Summary of Hits

Job Number: JD5554
Account: Fleming-Lee Shue, Inc.
Project: Info Tech High School, 21-16 44th Road, Long Island City, NY
Collected: 04/02/20

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JD5554-8	**MW-9**					
cis-1,2-Dichloroethene		1.0	1.0	0.51	ug/l	SW846 8260C
Tetrachloroethene		44.9	1.0	0.90	ug/l	SW846 8260C
Trichloroethene		3.4	1.0	0.53	ug/l	SW846 8260C
JD5554-9	**RW-1**					
Chloroform		2.1	1.0	0.50	ug/l	SW846 8260C
cis-1,2-Dichloroethene		73.8	1.0	0.51	ug/l	SW846 8260C
Tetrachloroethene		55.1	1.0	0.90	ug/l	SW846 8260C
Trichloroethene		1.7	1.0	0.53	ug/l	SW846 8260C
JD5554-10	**TRIP BLANK-1**					
No hits reported in this sample.						
JD5554-11	**FIELD BLANK-1**					
No hits reported in this sample.						
JD5554-12	**MW-1 DUP**					
Tetrachloroethene		2810	100	90	ug/l	SW846 8260C
Trichloroethene [a]		15.6	10	5.3	ug/l	SW846 8260C

(a) Dilution required due to high concentration of target compound.

Sample Results

Report of Analysis

SGS North America Inc.

Report of Analysis

Client Sample ID:	MW-1		
Lab Sample ID:	JD5554-1	**Date Sampled:**	04/02/20
Matrix:	AQ - Ground Water	**Date Received:**	04/03/20
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Info Tech High School, 21-16 44th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	3B159467.D	10	04/09/20 19:38	KC	n/a	n/a	V3B7181
Run #2	3B159465.D	100	04/09/20 18:41	KC	n/a	n/a	V3B7181

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	100	60	ug/l	
71-43-2	Benzene	ND	5.0	4.3	ug/l	
74-97-5	Bromochloromethane	ND	10	4.8	ug/l	
75-27-4	Bromodichloromethane	ND	10	5.8	ug/l	
75-25-2	Bromoform	ND	10	6.3	ug/l	
74-83-9	Bromomethane	ND	20	16	ug/l	
78-93-3	2-Butanone (MEK)	ND	100	69	ug/l	
75-15-0	Carbon disulfide	ND	20	9.5	ug/l	
56-23-5	Carbon tetrachloride	ND	10	5.5	ug/l	
108-90-7	Chlorobenzene	ND	10	5.6	ug/l	
75-00-3	Chloroethane	ND	10	7.3	ug/l	
67-66-3	Chloroform	ND	10	5.0	ug/l	
74-87-3	Chloromethane	ND	10	7.6	ug/l	
110-82-7	Cyclohexane	ND	50	7.8	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	20	12	ug/l	
124-48-1	Dibromochloromethane	ND	10	5.6	ug/l	
106-93-4	1,2-Dibromoethane	ND	10	4.8	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	10	5.3	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	10	5.4	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	10	5.1	ug/l	
75-71-8	Dichlorodifluoromethane	ND	20	14	ug/l	
75-34-3	1,1-Dichloroethane	ND	10	5.7	ug/l	
107-06-2	1,2-Dichloroethane	ND	10	6.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	10	5.9	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	10	5.1	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	10	5.4	ug/l	
78-87-5	1,2-Dichloropropane	ND	10	5.1	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	10	4.7	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	10	4.3	ug/l	
123-91-1	1,4-Dioxane	ND	1300	690	ug/l	
100-41-4	Ethylbenzene	ND	10	6.0	ug/l	
76-13-1	Freon 113	ND	50	19	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-1		
Lab Sample ID:	JD5554-1	**Date Sampled:**	04/02/20
Matrix:	AQ - Ground Water	**Date Received:**	04/03/20
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Info Tech High School, 21-16 44th Road, Long Island City, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	50	20	ug/l	
98-82-8	Isopropylbenzene	ND	10	6.5	ug/l	
79-20-9	Methyl Acetate	ND	50	8.0	ug/l	
108-87-2	Methylcyclohexane	ND	50	6.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	10	5.1	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	50	19	ug/l	
75-09-2	Methylene chloride	ND	20	10	ug/l	
100-42-5	Styrene	ND	10	7.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	10	6.5	ug/l	
127-18-4	Tetrachloroethene	2670 [b]	100	90	ug/l	
108-88-3	Toluene	ND	10	5.3	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	10	5.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	10	5.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	10	5.4	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	10	5.3	ug/l	
79-01-6	Trichloroethene	13.6	10	5.3	ug/l	
75-69-4	Trichlorofluoromethane	ND	20	8.4	ug/l	
75-01-4	Vinyl chloride	ND	10	7.9	ug/l	
	m,p-Xylene	ND	10	7.8	ug/l	
95-47-6	o-Xylene	ND	10	5.9	ug/l	
1330-20-7	Xylene (total)	ND	10	5.9	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	110%	110%	80-120%
17060-07-0	1,2-Dichloroethane-D4	102%	101%	81-124%
2037-26-5	Toluene-D8	105%	105%	80-120%
460-00-4	4-Bromofluorobenzene	99%	99%	80-120%

(a) Dilution required due to high concentration of target compound.
(b) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	BMRW-1		
Lab Sample ID:	JD5554-2	**Date Sampled:**	04/02/20
Matrix:	AQ - Ground Water	**Date Received:**	04/03/20
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Info Tech High School, 21-16 44th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3B159458.D	1	04/09/20 15:21	KC	n/a	n/a	V3B7181
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	6.0	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.58	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	6.9	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.95	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	1.8	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	1.2	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.4	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	2.8	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
123-91-1	1,4-Dioxane	ND	130	69	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	1.9	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BMRW-1		
Lab Sample ID:	JD5554-2	**Date Sampled:**	04/02/20
Matrix:	AQ - Ground Water	**Date Received:**	04/03/20
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Info Tech High School, 21-16 44th Road, Long Island City, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.60	1.0	0.51	ug/l	J
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.70	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	78.9	1.0	0.90	ug/l	
108-88-3	Toluene	ND	1.0	0.53	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	9.6	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.84	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.79	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%		80-120%
17060-07-0	1,2-Dichloroethane-D4	97%		81-124%
2037-26-5	Toluene-D8	102%		80-120%
460-00-4	4-Bromofluorobenzene	99%		80-120%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	BMRW-2		
Lab Sample ID:	JD5554-3	**Date Sampled:**	04/02/20
Matrix:	AQ - Ground Water	**Date Received:**	04/03/20
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Info Tech High School, 21-16 44th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	3B159463.D	5	04/09/20 17:44	KC	n/a	n/a	V3B7181
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	30	ug/l	
71-43-2	Benzene	ND	2.5	2.1	ug/l	
74-97-5	Bromochloromethane	ND	5.0	2.4	ug/l	
75-27-4	Bromodichloromethane	ND	5.0	2.9	ug/l	
75-25-2	Bromoform	ND	5.0	3.2	ug/l	
74-83-9	Bromomethane	ND	10	8.2	ug/l	
78-93-3	2-Butanone (MEK)	ND	50	34	ug/l	
75-15-0	Carbon disulfide	ND	10	4.8	ug/l	
56-23-5	Carbon tetrachloride	ND	5.0	2.8	ug/l	
108-90-7	Chlorobenzene	ND	5.0	2.8	ug/l	
75-00-3	Chloroethane	ND	5.0	3.6	ug/l	
67-66-3	Chloroform	ND	5.0	2.5	ug/l	
74-87-3	Chloromethane	ND	5.0	3.8	ug/l	
110-82-7	Cyclohexane	ND	25	3.9	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	6.0	ug/l	
124-48-1	Dibromochloromethane	ND	5.0	2.8	ug/l	
106-93-4	1,2-Dibromoethane	ND	5.0	2.4	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	5.0	2.7	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	2.7	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	5.0	2.5	ug/l	
75-71-8	Dichlorodifluoromethane	ND	10	6.8	ug/l	
75-34-3	1,1-Dichloroethane	ND	5.0	2.8	ug/l	
107-06-2	1,2-Dichloroethane	ND	5.0	3.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	5.0	3.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	21.1	5.0	2.5	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	5.0	2.7	ug/l	
78-87-5	1,2-Dichloropropane	ND	5.0	2.5	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	2.4	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	2.2	ug/l	
123-91-1	1,4-Dioxane	ND	630	350	ug/l	
100-41-4	Ethylbenzene	ND	5.0	3.0	ug/l	
76-13-1	Freon 113	ND	25	9.7	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BMRW-2		
Lab Sample ID:	JD5554-3	**Date Sampled:**	04/02/20
Matrix:	AQ - Ground Water	**Date Received:**	04/03/20
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Info Tech High School, 21-16 44th Road, Long Island City, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	25	10	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	3.2	ug/l	
79-20-9	Methyl Acetate	ND	25	4.0	ug/l	
108-87-2	Methylcyclohexane	ND	25	3.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	2.5	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	25	9.3	ug/l	
75-09-2	Methylene chloride	ND	10	5.0	ug/l	
100-42-5	Styrene	ND	5.0	3.5	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	3.3	ug/l	
127-18-4	Tetrachloroethene	713	5.0	4.5	ug/l	
108-88-3	Toluene	ND	5.0	2.7	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.5	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.5	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	5.0	2.7	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	2.7	ug/l	
79-01-6	Trichloroethene	93.6	5.0	2.6	ug/l	
75-69-4	Trichlorofluoromethane	ND	10	4.2	ug/l	
75-01-4	Vinyl chloride	ND	5.0	3.9	ug/l	
	m,p-Xylene	ND	5.0	3.9	ug/l	
95-47-6	o-Xylene	ND	5.0	3.0	ug/l	
1330-20-7	Xylene (total)	ND	5.0	3.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		80-120%
17060-07-0	1,2-Dichloroethane-D4	100%		81-124%
2037-26-5	Toluene-D8	103%		80-120%
460-00-4	4-Bromofluorobenzene	102%		80-120%

(a) Dilution required due to high concentration of target compound.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	BMRW-3		
Lab Sample ID:	JD5554-4	**Date Sampled:**	04/02/20
Matrix:	AQ - Ground Water	**Date Received:**	04/03/20
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Info Tech High School, 21-16 44th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3B159537.D	1	04/14/20 11:58	MD	n/a	n/a	V3B7186
Run #2	3B159464.D	5	04/09/20 18:12	KC	n/a	n/a	V3B7181

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	6.0	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.58	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	6.9	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.95	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	1.2	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.4	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	22.2	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	1.9	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
123-91-1	1,4-Dioxane	ND	130	69	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	1.9	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BMRW-3		
Lab Sample ID:	JD5554-4	**Date Sampled:**	04/02/20
Matrix:	AQ - Ground Water	**Date Received:**	04/03/20
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Info Tech High School, 21-16 44th Road, Long Island City, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.70	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	583 [a]	5.0	4.5	ug/l	
108-88-3	Toluene	ND	1.0	0.53	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	112	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.84	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.79	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%	109%	80-120%
17060-07-0	1,2-Dichloroethane-D4	99%	99%	81-124%
2037-26-5	Toluene-D8	105%	103%	80-120%
460-00-4	4-Bromofluorobenzene	102%	101%	80-120%

(a) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	MW-6		
Lab Sample ID:	JD5554-5	**Date Sampled:**	04/02/20
Matrix:	AQ - Ground Water	**Date Received:**	04/03/20
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Info Tech High School, 21-16 44th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3B159459.D	1	04/09/20 15:49	KC	n/a	n/a	V3B7181
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	6.0	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.58	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	6.9	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.95	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	0.72	1.0	0.50	ug/l	J
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	1.2	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.4	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
123-91-1	1,4-Dioxane	ND	130	69	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	1.9	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-6		
Lab Sample ID:	JD5554-5	**Date Sampled:**	04/02/20
Matrix:	AQ - Ground Water	**Date Received:**	04/03/20
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Info Tech High School, 21-16 44th Road, Long Island City, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.70	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	55.3	1.0	0.90	ug/l	
108-88-3	Toluene	ND	1.0	0.53	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	1.9	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.84	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.79	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%		80-120%
17060-07-0	1,2-Dichloroethane-D4	100%		81-124%
2037-26-5	Toluene-D8	103%		80-120%
460-00-4	4-Bromofluorobenzene	98%		80-120%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	MW-7		
Lab Sample ID:	JD5554-6	**Date Sampled:**	04/02/20
Matrix:	AQ - Ground Water	**Date Received:**	04/03/20
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Info Tech High School, 21-16 44th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3B159448.D	1	04/09/20 10:35	KC	n/a	n/a	V3B7181
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	6.0	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.58	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	6.9	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.95	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	1.2	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.4	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
123-91-1	1,4-Dioxane	ND	130	69	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	1.9	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-7		
Lab Sample ID:	JD5554-6	**Date Sampled:**	04/02/20
Matrix:	AQ - Ground Water	**Date Received:**	04/03/20
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Info Tech High School, 21-16 44th Road, Long Island City, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.70	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	25.2	1.0	0.90	ug/l	
108-88-3	Toluene	ND	1.0	0.53	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	0.79	1.0	0.53	ug/l	J
75-69-4	Trichlorofluoromethane	ND	2.0	0.84	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.79	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		80-120%
17060-07-0	1,2-Dichloroethane-D4	93%		81-124%
2037-26-5	Toluene-D8	102%		80-120%
460-00-4	4-Bromofluorobenzene	97%		80-120%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	MW-8		
Lab Sample ID:	JD5554-7	**Date Sampled:**	04/02/20
Matrix:	AQ - Ground Water	**Date Received:**	04/03/20
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Info Tech High School, 21-16 44th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3B159460.D	1	04/09/20 16:18	KC	n/a	n/a	V3B7181
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	6.0	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.58	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	6.9	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.95	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	0.67	1.0	0.50	ug/l	J
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	1.2	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.4	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
123-91-1	1,4-Dioxane	ND	130	69	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	1.9	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-8		
Lab Sample ID:	JD5554-7	**Date Sampled:**	04/02/20
Matrix:	AQ - Ground Water	**Date Received:**	04/03/20
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Info Tech High School, 21-16 44th Road, Long Island City, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.70	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	31.6	1.0	0.90	ug/l	
108-88-3	Toluene	ND	1.0	0.53	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	1.5	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.84	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.79	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		80-120%
17060-07-0	1,2-Dichloroethane-D4	98%		81-124%
2037-26-5	Toluene-D8	104%		80-120%
460-00-4	4-Bromofluorobenzene	101%		80-120%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	MW-9		
Lab Sample ID:	JD5554-8	**Date Sampled:**	04/02/20
Matrix:	AQ - Ground Water	**Date Received:**	04/03/20
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Info Tech High School, 21-16 44th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3B159461.D	1	04/09/20 16:47	KC	n/a	n/a	V3B7181
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	6.0	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.58	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	6.9	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.95	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	1.2	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.4	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	1.0	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
123-91-1	1,4-Dioxane	ND	130	69	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	1.9	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-9		
Lab Sample ID:	JD5554-8	**Date Sampled:**	04/02/20
Matrix:	AQ - Ground Water	**Date Received:**	04/03/20
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Info Tech High School, 21-16 44th Road, Long Island City, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.70	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	44.9	1.0	0.90	ug/l	
108-88-3	Toluene	ND	1.0	0.53	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	3.4	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.84	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.79	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	110%		80-120%
17060-07-0	1,2-Dichloroethane-D4	99%		81-124%
2037-26-5	Toluene-D8	102%		80-120%
460-00-4	4-Bromofluorobenzene	100%		80-120%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	RW-1		
Lab Sample ID:	JD5554-9	**Date Sampled:**	04/02/20
Matrix:	AQ - Ground Water	**Date Received:**	04/03/20
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Info Tech High School, 21-16 44th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3B159462.D	1	04/09/20 17:15	KC	n/a	n/a	V3B7181
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	6.0	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.58	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	6.9	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.95	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	2.1	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	1.2	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.4	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	73.8	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
123-91-1	1,4-Dioxane	ND	130	69	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	1.9	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RW-1		
Lab Sample ID:	JD5554-9	**Date Sampled:**	04/02/20
Matrix:	AQ - Ground Water	**Date Received:**	04/03/20
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Info Tech High School, 21-16 44th Road, Long Island City, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.70	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	55.1	1.0	0.90	ug/l	
108-88-3	Toluene	ND	1.0	0.53	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	1.7	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.84	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.79	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		80-120%
17060-07-0	1,2-Dichloroethane-D4	98%		81-124%
2037-26-5	Toluene-D8	103%		80-120%
460-00-4	4-Bromofluorobenzene	102%		80-120%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	TRIP BLANK-1		
Lab Sample ID:	JD5554-10	**Date Sampled:**	04/02/20
Matrix:	AQ - Trip Blank Water	**Date Received:**	04/03/20
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Info Tech High School, 21-16 44th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3B159455.D	1	04/09/20 13:56	KC	n/a	n/a	V3B7181
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	6.0	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.58	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	6.9	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.95	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	1.2	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.4	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
123-91-1	1,4-Dioxane	ND	130	69	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	1.9	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK-1		
Lab Sample ID:	JD5554-10	**Date Sampled:**	04/02/20
Matrix:	AQ - Trip Blank Water	**Date Received:**	04/03/20
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Info Tech High School, 21-16 44th Road, Long Island City, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.70	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.90	ug/l	
108-88-3	Toluene	ND	1.0	0.53	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.84	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.79	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		80-120%
17060-07-0	1,2-Dichloroethane-D4	97%		81-124%
2037-26-5	Toluene-D8	103%		80-120%
460-00-4	4-Bromofluorobenzene	99%		80-120%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	FIELD BLANK-1		
Lab Sample ID:	JD5554-11	**Date Sampled:**	04/02/20
Matrix:	AQ - Field Blank Water	**Date Received:**	04/03/20
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Info Tech High School, 21-16 44th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3B159456.D	1	04/09/20 14:24	KC	n/a	n/a	V3B7181
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	6.0	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.58	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	6.9	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.95	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	1.2	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.4	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
123-91-1	1,4-Dioxane	ND	130	69	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	1.9	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FIELD BLANK-1		
Lab Sample ID:	JD5554-11	**Date Sampled:**	04/02/20
Matrix:	AQ - Field Blank Water	**Date Received:**	04/03/20
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Info Tech High School, 21-16 44th Road, Long Island City, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.70	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.90	ug/l	
108-88-3	Toluene	ND	1.0	0.53	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.84	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.79	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%		80-120%
17060-07-0	1,2-Dichloroethane-D4	96%		81-124%
2037-26-5	Toluene-D8	103%		80-120%
460-00-4	4-Bromofluorobenzene	99%		80-120%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	MW-1 DUP		
Lab Sample ID:	JD5554-12	**Date Sampled:**	04/02/20
Matrix:	AQ - Ground Water	**Date Received:**	04/03/20
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Info Tech High School, 21-16 44th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	3B159468.D	10	04/09/20 20:07	KC	n/a	n/a	V3B7181
Run #2	3B159466.D	100	04/09/20 19:10	KC	n/a	n/a	V3B7181

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	100	60	ug/l	
71-43-2	Benzene	ND	5.0	4.3	ug/l	
74-97-5	Bromochloromethane	ND	10	4.8	ug/l	
75-27-4	Bromodichloromethane	ND	10	5.8	ug/l	
75-25-2	Bromoform	ND	10	6.3	ug/l	
74-83-9	Bromomethane	ND	20	16	ug/l	
78-93-3	2-Butanone (MEK)	ND	100	69	ug/l	
75-15-0	Carbon disulfide	ND	20	9.5	ug/l	
56-23-5	Carbon tetrachloride	ND	10	5.5	ug/l	
108-90-7	Chlorobenzene	ND	10	5.6	ug/l	
75-00-3	Chloroethane	ND	10	7.3	ug/l	
67-66-3	Chloroform	ND	10	5.0	ug/l	
74-87-3	Chloromethane	ND	10	7.6	ug/l	
110-82-7	Cyclohexane	ND	50	7.8	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	20	12	ug/l	
124-48-1	Dibromochloromethane	ND	10	5.6	ug/l	
106-93-4	1,2-Dibromoethane	ND	10	4.8	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	10	5.3	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	10	5.4	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	10	5.1	ug/l	
75-71-8	Dichlorodifluoromethane	ND	20	14	ug/l	
75-34-3	1,1-Dichloroethane	ND	10	5.7	ug/l	
107-06-2	1,2-Dichloroethane	ND	10	6.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	10	5.9	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	10	5.1	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	10	5.4	ug/l	
78-87-5	1,2-Dichloropropane	ND	10	5.1	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	10	4.7	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	10	4.3	ug/l	
123-91-1	1,4-Dioxane	ND	1300	690	ug/l	
100-41-4	Ethylbenzene	ND	10	6.0	ug/l	
76-13-1	Freon 113	ND	50	19	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-1 DUP		
Lab Sample ID:	JD5554-12	**Date Sampled:**	04/02/20
Matrix:	AQ - Ground Water	**Date Received:**	04/03/20
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Info Tech High School, 21-16 44th Road, Long Island City, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	50	20	ug/l	
98-82-8	Isopropylbenzene	ND	10	6.5	ug/l	
79-20-9	Methyl Acetate	ND	50	8.0	ug/l	
108-87-2	Methylcyclohexane	ND	50	6.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	10	5.1	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	50	19	ug/l	
75-09-2	Methylene chloride	ND	20	10	ug/l	
100-42-5	Styrene	ND	10	7.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	10	6.5	ug/l	
127-18-4	Tetrachloroethene	2810 [b]	100	90	ug/l	
108-88-3	Toluene	ND	10	5.3	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	10	5.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	10	5.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	10	5.4	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	10	5.3	ug/l	
79-01-6	Trichloroethene	15.6	10	5.3	ug/l	
75-69-4	Trichlorofluoromethane	ND	20	8.4	ug/l	
75-01-4	Vinyl chloride	ND	10	7.9	ug/l	
	m,p-Xylene	ND	10	7.8	ug/l	
95-47-6	o-Xylene	ND	10	5.9	ug/l	
1330-20-7	Xylene (total)	ND	10	5.9	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	111%	111%	80-120%
17060-07-0	1,2-Dichloroethane-D4	102%	101%	81-124%
2037-26-5	Toluene-D8	104%	104%	80-120%
460-00-4	4-Bromofluorobenzene	102%	101%	80-120%

(a) Dilution required due to high concentration of target compound.
(b) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Sample Tracking Chronicle
- Internal Chain of Custody

SGS

GW WTB WFB

CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.sgs.com/ehsusa

Page 1 of 1

FED-EX Tracking # 1215 6030 0579	Bottle Order Control #		
SGS Quote #	SGS Job # JD5554		

Client / Reporting Information	Project Information	
Company Name: FlemingLee Shue	Project Name: InfoTech High School GW Sampling	
Street Address: 158 W. 29th St.	Street: 21-16 44th Road	Billing Information (If different from Report to)
City: NYC State: NY Zip: 10001	City: LIC State: NY	Company Name
Project Contact: J. Kane E-mail: jod@flemingleeshue.com	Project #: 11012	Street Address
Phone #: 212-675-3225	Client Purchase Order #	City State Zip
Sampler(s) Name(s): J. Arey, B. Hess Phone #: same	Project Manager: Joel Kane	Attention:

Requested Analysis: V8260 TCL11

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Date	Time	Sampled by	Grab (G) Comp (C)	Matrix	# of bottles	HCl	NaOH	HNO_3	H_2SO_4	NONE	DI Water	MEOH	ENCORE	V8260 TCL11	LAB USE ONLY
1	MW-1		4/12/2020	9:58	JA	G	GW	3	3								X	
2	BMRW-1			10:58	JA	G	GW	3	3								X	
3	BMRW-2			11:40	JA	G	GW	3	3								X	
4	BMRW-3			12:21	BH	G	GW	3	3								X	
5	MW-6			12:35	JA	G	GW	3	3								X	
6	MW-7	☆		13:18	JA	G	GW	4	4								X	
7	MW-8			10:51	BH	G	GW	3	3								X	
8	MW-9			10:02	BH	G	GW	3	3								X	
9	RW-1			11:36	BH	G	GW	3	3								X	
10	TripBlank-1			12:30	—	-	TB	2	2								X	
11	Field Blank-1			9:06	JA	—	FB	2	2								X	
12	MW-1 Dup		4/12/2020	10:03	JA	G	GW	3	3								X	

VO12

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; SED-Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB - Field Blank; EB-Equipment Blank; RB - Rinse Blank; TB - Trip Blank

Turn Around Time (Business Days)

Approved By (SGS PM): / Date:

- [x] 10 Business Days
- [ ] 5 Business Days
- [ ] 3 Business Days*
- [ ] 2 Business Days*
- [ ] 1 Business Day*
- [ ] Other

All data available via Lablink
* Approval needed for 1-3 Business Day TAT

Deliverable

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] NJ Reduced (Level 3)
- [ ] Full Tier I (Level 4)
- [ ] Commercial "C"
- [ ] NJ DKQP
- [ ] NYASP Category A
- [x] NYASP Category B
- [ ] MA MCP Criteria______
- [ ] CT RCP Criteria______
- [ ] State Forms
- [ ] EDD Format ________
- [ ] DOD-QSM5

Commercial "A" = Results only; Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions

☆ VOC QA

http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1 Ben Hess	4/12/2020 15:00	1 Fedex	2 Fedex	4/13/20 10:35	2 [signature]
3		3	4		4
5		5	Custody Seal #	☑ Intact ☐ Not intact	Preserved where applicable ☐ Absent Therm. ID: On Ice ☑ Cooler Temp. °C 3.1 CIP

IR-4

INITIAL ASESSMENT KG QA

LABEL VERIFICATION ______

EHSA-QAC-0023-02-FORM-Dayton - Standard COC.xlsx

JD5554: Chain of Custody
Page 1 of 2

5.1 5

SGS Sample Receipt Summary

Job Number: JD5554 **Client:** FLEMING-LEE SHUE, INC. **Project:** INFO TECH HIGH SCHOOL, 21-16 44TH ROAD,

Date / Time Received: 4/3/2020 10:35:00 AM **Delivery Method:** **Airbill #'s:**

Cooler Temps (Raw Measured) °C: Cooler 1: (3.1);

Cooler Temps (Corrected) °C: Cooler 1: (2.8);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	IR Gun		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☑		☐	☐
2. Trip Blank listed on COC:	☑		☐	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☑		☐	☐

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Test Strip Lot #s: pH 1-12: 229517 pH 12+: 208717 Other: (Specify)

Comments

SM089-03
Rev. Date 12/7/17

Internal Sample Tracking Chronicle

Fleming-Lee Shue, Inc.

Job No: JD5554

Info Tech High School, 21-16 44th Road, Long Island City, NY
Project No: 10012

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JD5554-1 MW-1	Collected: 02-APR-20 09:58 By: JA		Received: 03-APR-20 By: DG			
JD5554-1	SW846 8260C	09-APR-20 18:41	KC			V8260TCL11
JD5554-1	SW846 8260C	09-APR-20 19:38	KC			V8260TCL11
JD5554-2 BMRW-1	Collected: 02-APR-20 10:58 By: JA		Received: 03-APR-20 By: DG			
JD5554-2	SW846 8260C	09-APR-20 15:21	KC			V8260TCL11
JD5554-3 BMRW-2	Collected: 02-APR-20 11:40 By: JA		Received: 03-APR-20 By: DG			
JD5554-3	SW846 8260C	09-APR-20 17:44	KC			V8260TCL11
JD5554-4 BMRW-3	Collected: 02-APR-20 12:21 By: BH		Received: 03-APR-20 By: DG			
JD5554-4	SW846 8260C	09-APR-20 18:12	KC			V8260TCL11
JD5554-4	SW846 8260C	14-APR-20 11:58	MD			V8260TCL11
JD5554-5 MW-6	Collected: 02-APR-20 12:35 By: JA		Received: 03-APR-20 By: DG			
JD5554-5	SW846 8260C	09-APR-20 15:49	KC			V8260TCL11
JD5554-6 MW-7	Collected: 02-APR-20 13:18 By: JA		Received: 03-APR-20 By: DG			
JD5554-6	SW846 8260C	09-APR-20 10:35	KC			V8260TCL11
JD5554-7 MW-8	Collected: 02-APR-20 10:51 By: BH		Received: 03-APR-20 By: DG			
JD5554-7	SW846 8260C	09-APR-20 16:18	KC			V8260TCL11
JD5554-8 MW-9	Collected: 02-APR-20 10:02 By: BH		Received: 03-APR-20 By: DG			

Internal Sample Tracking Chronicle

Fleming-Lee Shue, Inc.

Job No: JD5554

Info Tech High School, 21-16 44th Road, Long Island City, NY
Project No: 10012

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JD5554-8	SW846 8260C	09-APR-20 16:47	KC			V8260TCL11
JD5554-9	Collected: 02-APR-20 11:36 By: BH		Received: 03-APR-20 By: DG			
RW-1						
JD5554-9	SW846 8260C	09-APR-20 17:15	KC			V8260TCL11
JD5554-10	Collected: 02-APR-20 13:18 By:		Received: 03-APR-20 By: DG			
TRIP BLANK-1						
JD5554-10	SW846 8260C	09-APR-20 13:56	KC			V8260TCL11
JD5554-11	Collected: 02-APR-20 09:06 By: JA		Received: 03-APR-20 By: DG			
FIELD BLANK-1						
JD5554-11	SW846 8260C	09-APR-20 14:24	KC			V8260TCL11
JD5554-12	Collected: 02-APR-20 10:03 By: JA		Received: 03-APR-20 By: DG			
MW-1 DUP						
JD5554-12	SW846 8260C	09-APR-20 19:10	KC			V8260TCL11
JD5554-12	SW846 8260C	09-APR-20 20:07	KC			V8260TCL11

SGS Internal Chain of Custody

Job Number: JD5554
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Info Tech High School, 21-16 44th Road, Long Island City, NY
Received: 04/03/20

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JD5554-1.1	Secured Storage	Krizhka Cuenta	04/09/20 10:19	Retrieve from Storage
JD5554-1.1	Krizhka Cuenta	GCMS3B	04/09/20 10:19	Load on Instrument
JD5554-1.1	GCMS3B	Krizhka Cuenta	04/10/20 08:10	Unload from Instrument
JD5554-1.1	Krizhka Cuenta	Secured Storage	04/10/20 08:10	Return to Storage
JD5554-2.1	Secured Storage	Krizhka Cuenta	04/09/20 10:19	Retrieve from Storage
JD5554-2.1	Krizhka Cuenta	GCMS3B	04/09/20 10:19	Load on Instrument
JD5554-2.1	GCMS3B	Krizhka Cuenta	04/10/20 08:10	Unload from Instrument
JD5554-2.1	Krizhka Cuenta	Secured Storage	04/10/20 08:10	Return to Storage
JD5554-3.1	Secured Storage	Krizhka Cuenta	04/09/20 10:19	Retrieve from Storage
JD5554-3.1	Krizhka Cuenta	GCMS3B	04/09/20 10:19	Load on Instrument
JD5554-3.1	GCMS3B	Krizhka Cuenta	04/10/20 08:10	Unload from Instrument
JD5554-3.1	Krizhka Cuenta	Secured Storage	04/10/20 08:10	Return to Storage
JD5554-4.1	Secured Storage	Krizhka Cuenta	04/09/20 10:19	Retrieve from Storage
JD5554-4.1	Krizhka Cuenta	GCMS3B	04/09/20 10:19	Load on Instrument
JD5554-4.1	GCMS3B	Krizhka Cuenta	04/10/20 08:10	Unload from Instrument
JD5554-4.1	Krizhka Cuenta	Secured Storage	04/10/20 08:10	Return to Storage
JD5554-4.2	Secured Storage	Krizhka Cuenta	04/14/20 10:22	Retrieve from Storage
JD5554-4.2	Krizhka Cuenta	GCMS3B	04/14/20 10:22	Load on Instrument
JD5554-4.2	GCMS3B	Krizhka Cuenta	04/15/20 08:26	Unload from Instrument
JD5554-4.2	Krizhka Cuenta	Secured Storage	04/15/20 08:26	Return to Storage
JD5554-5.1	Secured Storage	Krizhka Cuenta	04/09/20 10:19	Retrieve from Storage
JD5554-5.1	Krizhka Cuenta	GCMS3B	04/09/20 10:19	Load on Instrument
JD5554-5.1	GCMS3B	Krizhka Cuenta	04/10/20 08:10	Unload from Instrument
JD5554-5.1	Krizhka Cuenta	Secured Storage	04/10/20 08:10	Return to Storage
JD5554-6.1	Secured Storage	Krizhka Cuenta	04/09/20 10:19	Retrieve from Storage
JD5554-6.1	Krizhka Cuenta	GCMS3B	04/09/20 10:19	Load on Instrument
JD5554-6.1	GCMS3B	Krizhka Cuenta	04/10/20 08:10	Unload from Instrument
JD5554-6.1	Krizhka Cuenta	Secured Storage	04/10/20 08:10	Return to Storage
JD5554-6.2	Secured Storage	Krizhka Cuenta	04/09/20 10:19	Retrieve from Storage
JD5554-6.2	Krizhka Cuenta	GCMS3B	04/09/20 10:19	Load on Instrument
JD5554-6.2	GCMS3B	Krizhka Cuenta	04/10/20 08:10	Unload from Instrument
JD5554-6.2	Krizhka Cuenta	Secured Storage	04/10/20 08:10	Return to Storage
JD5554-6.3	Secured Storage	Krizhka Cuenta	04/09/20 10:19	Retrieve from Storage
JD5554-6.3	Krizhka Cuenta	GCMS3B	04/09/20 10:19	Load on Instrument
JD5554-6.3	GCMS3B	Krizhka Cuenta	04/10/20 08:10	Unload from Instrument
JD5554-6.3	Krizhka Cuenta	Secured Storage	04/10/20 08:10	Return to Storage

SGS Internal Chain of Custody

Job Number: JD5554
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Info Tech High School, 21-16 44th Road, Long Island City, NY
Received: 04/03/20

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JD5554-7.1	Secured Storage	Krizhka Cuenta	04/09/20 10:19	Retrieve from Storage
JD5554-7.1	Krizhka Cuenta	GCMS3B	04/09/20 10:19	Load on Instrument
JD5554-7.1	GCMS3B	Krizhka Cuenta	04/10/20 08:10	Unload from Instrument
JD5554-7.1	Krizhka Cuenta	Secured Storage	04/10/20 08:10	Return to Storage
JD5554-8.1	Secured Storage	Krizhka Cuenta	04/09/20 10:19	Retrieve from Storage
JD5554-8.1	Krizhka Cuenta	GCMS3B	04/09/20 10:19	Load on Instrument
JD5554-8.1	GCMS3B	Krizhka Cuenta	04/10/20 08:10	Unload from Instrument
JD5554-8.1	Krizhka Cuenta	Secured Storage	04/10/20 08:10	Return to Storage
JD5554-9.1	Secured Storage	Krizhka Cuenta	04/09/20 10:19	Retrieve from Storage
JD5554-9.1	Krizhka Cuenta	GCMS3B	04/09/20 10:19	Load on Instrument
JD5554-9.1	GCMS3B	Krizhka Cuenta	04/10/20 08:10	Unload from Instrument
JD5554-9.1	Krizhka Cuenta	Secured Storage	04/10/20 08:10	Return to Storage
JD5554-10.1	Secured Storage	Krizhka Cuenta	04/09/20 10:19	Retrieve from Storage
JD5554-10.1	Krizhka Cuenta	GCMS3B	04/09/20 10:19	Load on Instrument
JD5554-10.1	GCMS3B	Krizhka Cuenta	04/10/20 08:10	Unload from Instrument
JD5554-10.1	Krizhka Cuenta	Secured Storage	04/10/20 08:10	Return to Storage
JD5554-11.1	Secured Storage	Krizhka Cuenta	04/09/20 10:19	Retrieve from Storage
JD5554-11.1	Krizhka Cuenta	GCMS3B	04/09/20 10:19	Load on Instrument
JD5554-11.1	GCMS3B	Krizhka Cuenta	04/10/20 08:10	Unload from Instrument
JD5554-11.1	Krizhka Cuenta	Secured Storage	04/10/20 08:10	Return to Storage
JD5554-12.1	Secured Storage	Krizhka Cuenta	04/09/20 10:19	Retrieve from Storage
JD5554-12.1	Krizhka Cuenta	GCMS3B	04/09/20 10:19	Load on Instrument
JD5554-12.1	GCMS3B	Krizhka Cuenta	04/10/20 08:10	Unload from Instrument
JD5554-12.1	Krizhka Cuenta	Secured Storage	04/10/20 08:10	Return to Storage

MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Internal Standard Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries
- Run Sequence Reports

Method Blank Summary

Job Number: JD5554
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Info Tech High School, 21-16 44th Road, Long Island City, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3B7181-MB	3B159447.D	1	04/09/20	KC	n/a	n/a	V3B7181

The QC reported here applies to the following samples: **Method:** SW846 8260C

JD5554-1, JD5554-2, JD5554-3, JD5554-4, JD5554-5, JD5554-6, JD5554-7, JD5554-8, JD5554-9, JD5554-10, JD5554-11, JD5554-12

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	6.0	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.58	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	6.9	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.95	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	1.2	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.4	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
123-91-1	1,4-Dioxane	ND	130	69	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	1.9	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	

Method Blank Summary

Job Number: JD5554
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Info Tech High School, 21-16 44th Road, Long Island City, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3B7181-MB	3B159447.D	1	04/09/20	KC	n/a	n/a	V3B7181

The QC reported here applies to the following samples: **Method:** SW846 8260C

JD5554-1, JD5554-2, JD5554-3, JD5554-4, JD5554-5, JD5554-6, JD5554-7, JD5554-8, JD5554-9, JD5554-10, JD5554-11, JD5554-12

CAS No.	Compound	Result	RL	MDL	Units	Q
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.70	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.90	ug/l	
108-88-3	Toluene	ND	1.0	0.53	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.84	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.79	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	106%	80-120%
17060-07-0	1,2-Dichloroethane-D4	94%	81-124%
2037-26-5	Toluene-D8	101%	80-120%
460-00-4	4-Bromofluorobenzene	99%	80-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

Method Blank Summary

Job Number: JD5554
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Info Tech High School, 21-16 44th Road, Long Island City, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3B7186-MB	3B159533.D	1	04/14/20	MD	n/a	n/a	V3B7186

The QC reported here applies to the following samples: **Method:** SW846 8260C

JD5554-4

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	6.0	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.58	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	6.9	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.95	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	1.2	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.4	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
123-91-1	1,4-Dioxane	ND	130	69	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	1.9	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	

Method Blank Summary

Job Number: JD5554
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Info Tech High School, 21-16 44th Road, Long Island City, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3B7186-MB	3B159533.D	1	04/14/20	MD	n/a	n/a	V3B7186

The QC reported here applies to the following samples: **Method:** SW846 8260C

JD5554-4

CAS No.	Compound	Result	RL	MDL	Units	Q
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.70	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
108-88-3	Toluene	ND	1.0	0.53	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.84	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.79	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	104%	80-120%
17060-07-0	1,2-Dichloroethane-D4	99%	81-124%
2037-26-5	Toluene-D8	101%	80-120%
460-00-4	4-Bromofluorobenzene	98%	80-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

Blank Spike Summary

Job Number: JD5554
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Info Tech High School, 21-16 44th Road, Long Island City, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3B7181-BS	3B159445.D	1	04/09/20	KC	n/a	n/a	V3B7181

The QC reported here applies to the following samples: **Method:** SW846 8260C

JD5554-1, JD5554-2, JD5554-3, JD5554-4, JD5554-5, JD5554-6, JD5554-7, JD5554-8, JD5554-9, JD5554-10, JD5554-11, JD5554-12

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	200	194	97	42-150
71-43-2	Benzene	50	49.1	98	80-120
74-97-5	Bromochloromethane	50	53.0	106	84-121
75-27-4	Bromodichloromethane	50	47.5	95	83-120
75-25-2	Bromoform	50	46.9	94	76-129
74-83-9	Bromomethane	50	48.2	96	57-138
78-93-3	2-Butanone (MEK)	200	218	109	64-137
75-15-0	Carbon disulfide	50	54.0	108	64-137
56-23-5	Carbon tetrachloride	50	49.0	98	75-135
108-90-7	Chlorobenzene	50	48.7	97	84-117
75-00-3	Chloroethane	50	48.8	98	63-132
67-66-3	Chloroform	50	49.7	99	80-119
74-87-3	Chloromethane	50	46.0	92	46-136
110-82-7	Cyclohexane	50	50.0	100	64-137
96-12-8	1,2-Dibromo-3-chloropropane	50	48.1	96	72-127
124-48-1	Dibromochloromethane	50	47.1	94	80-123
106-93-4	1,2-Dibromoethane	50	52.4	105	84-117
95-50-1	1,2-Dichlorobenzene	50	51.3	103	84-119
541-73-1	1,3-Dichlorobenzene	50	51.6	103	81-117
106-46-7	1,4-Dichlorobenzene	50	49.1	98	82-117
75-71-8	Dichlorodifluoromethane	50	47.9	96	36-149
75-34-3	1,1-Dichloroethane	50	51.3	103	79-120
107-06-2	1,2-Dichloroethane	50	42.8	86	78-126
75-35-4	1,1-Dichloroethene	50	53.1	106	69-126
156-59-2	cis-1,2-Dichloroethene	50	54.1	108	80-120
156-60-5	trans-1,2-Dichloroethene	50	53.0	106	76-120
78-87-5	1,2-Dichloropropane	50	50.6	101	82-121
10061-01-5	cis-1,3-Dichloropropene	50	51.1	102	83-120
10061-02-6	trans-1,3-Dichloropropene	50	50.2	100	82-121
123-91-1	1,4-Dioxane	1250	1270	102	52-147
100-41-4	Ethylbenzene	50	48.0	96	80-120
76-13-1	Freon 113	50	50.3	101	62-182
591-78-6	2-Hexanone	200	190	95	65-132
98-82-8	Isopropylbenzene	50	52.7	105	83-120
79-20-9	Methyl Acetate	50	51.0	102	67-129
108-87-2	Methylcyclohexane	50	48.5	97	71-134

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JD5554
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Info Tech High School, 21-16 44th Road, Long Island City, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3B7181-BS	3B159445.D	1	04/09/20	KC	n/a	n/a	V3B7181

The QC reported here applies to the following samples: **Method:** SW846 8260C

JD5554-1, JD5554-2, JD5554-3, JD5554-4, JD5554-5, JD5554-6, JD5554-7, JD5554-8, JD5554-9, JD5554-10, JD5554-11, JD5554-12

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
1634-04-4	Methyl Tert Butyl Ether	50	51.1	102	80-119
108-10-1	4-Methyl-2-pentanone(MIBK)	200	204	102	71-131
75-09-2	Methylene chloride	50	56.5	113	77-120
100-42-5	Styrene	50	50.9	102	82-122
79-34-5	1,1,2,2-Tetrachloroethane	50	52.1	104	76-119
127-18-4	Tetrachloroethene	50	47.5	95	70-131
108-88-3	Toluene	50	49.0	98	80-120
87-61-6	1,2,3-Trichlorobenzene	50	53.1	106	76-134
120-82-1	1,2,4-Trichlorobenzene	50	52.9	106	79-132
71-55-6	1,1,1-Trichloroethane	50	48.4	97	81-128
79-00-5	1,1,2-Trichloroethane	50	49.6	99	83-118
79-01-6	Trichloroethene	50	53.6	107	80-120
75-69-4	Trichlorofluoromethane	50	47.2	94	64-136
75-01-4	Vinyl chloride	50	43.7	87	51-135
	m,p-Xylene	100	101	101	80-120
95-47-6	o-Xylene	50	50.2	100	80-120
1330-20-7	Xylene (total)	150	151	101	80-120

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	104%	80-120%
17060-07-0	1,2-Dichloroethane-D4	90%	81-124%
2037-26-5	Toluene-D8	103%	80-120%
460-00-4	4-Bromofluorobenzene	103%	80-120%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JD5554
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Info Tech High School, 21-16 44th Road, Long Island City, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3B7186-BS	3B159531.D	1	04/14/20	MD	n/a	n/a	V3B7186

The QC reported here applies to the following samples: **Method:** SW846 8260C

JD5554-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	200	202	101	42-150
71-43-2	Benzene	50	47.2	94	80-120
74-97-5	Bromochloromethane	50	52.0	104	84-121
75-27-4	Bromodichloromethane	50	48.8	98	83-120
75-25-2	Bromoform	50	49.3	99	76-129
74-83-9	Bromomethane	50	49.3	99	57-138
78-93-3	2-Butanone (MEK)	200	222	111	64-137
75-15-0	Carbon disulfide	50	40.0	80	64-137
56-23-5	Carbon tetrachloride	50	47.7	95	75-135
108-90-7	Chlorobenzene	50	48.6	97	84-117
75-00-3	Chloroethane	50	48.7	97	63-132
67-66-3	Chloroform	50	49.0	98	80-119
74-87-3	Chloromethane	50	47.9	96	46-136
110-82-7	Cyclohexane	50	50.0	100	64-137
96-12-8	1,2-Dibromo-3-chloropropane	50	50.5	101	72-127
124-48-1	Dibromochloromethane	50	48.3	97	80-123
106-93-4	1,2-Dibromoethane	50	54.7	109	84-117
95-50-1	1,2-Dichlorobenzene	50	51.3	103	84-119
541-73-1	1,3-Dichlorobenzene	50	51.3	103	81-117
106-46-7	1,4-Dichlorobenzene	50	49.5	99	82-117
75-71-8	Dichlorodifluoromethane	50	53.8	108	36-149
75-34-3	1,1-Dichloroethane	50	47.3	95	79-120
107-06-2	1,2-Dichloroethane	50	45.4	91	78-126
75-35-4	1,1-Dichloroethene	50	41.0	82	69-126
156-59-2	cis-1,2-Dichloroethene	50	49.7	99	80-120
156-60-5	trans-1,2-Dichloroethene	50	46.0	92	76-120
78-87-5	1,2-Dichloropropane	50	49.7	99	82-121
10061-01-5	cis-1,3-Dichloropropene	50	52.6	105	83-120
10061-02-6	trans-1,3-Dichloropropene	50	52.3	105	82-121
123-91-1	1,4-Dioxane	1250	1370	110	52-147
100-41-4	Ethylbenzene	50	48.5	97	80-120
76-13-1	Freon 113	50	42.3	85	62-182
591-78-6	2-Hexanone	200	203	102	65-132
98-82-8	Isopropylbenzene	50	52.5	105	83-120
79-20-9	Methyl Acetate	50	47.7	95	67-129
108-87-2	Methylcyclohexane	50	44.0	88	71-134

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JD5554
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Info Tech High School, 21-16 44th Road, Long Island City, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3B7186-BS	3B159531.D	1	04/14/20	MD	n/a	n/a	V3B7186

The QC reported here applies to the following samples: **Method:** SW846 8260C

JD5554-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
1634-04-4	Methyl Tert Butyl Ether	50	50.4	101	80-119
108-10-1	4-Methyl-2-pentanone(MIBK)	200	214	107	71-131
75-09-2	Methylene chloride	50	49.6	99	77-120
100-42-5	Styrene	50	52.7	105	82-122
79-34-5	1,1,2,2-Tetrachloroethane	50	53.8	108	76-119
108-88-3	Toluene	50	48.0	96	80-120
87-61-6	1,2,3-Trichlorobenzene	50	53.7	107	76-134
120-82-1	1,2,4-Trichlorobenzene	50	53.2	106	79-132
71-55-6	1,1,1-Trichloroethane	50	47.4	95	81-128
79-00-5	1,1,2-Trichloroethane	50	50.8	102	83-118
79-01-6	Trichloroethene	50	50.0	100	80-120
75-69-4	Trichlorofluoromethane	50	48.7	97	64-136
75-01-4	Vinyl chloride	50	43.9	88	51-135
	m,p-Xylene	100	101	101	80-120
95-47-6	o-Xylene	50	51.7	103	80-120
1330-20-7	Xylene (total)	150	153	102	80-120

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	107%	80-120%
17060-07-0	1,2-Dichloroethane-D4	94%	81-124%
2037-26-5	Toluene-D8	105%	80-120%
460-00-4	4-Bromofluorobenzene	104%	80-120%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JD5554
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Info Tech High School, 21-16 44th Road, Long Island City, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JD5554-6MS	3B159452.D	1	04/09/20	KC	n/a	n/a	V3B7181
JD5554-6MSD	3B159453.D	1	04/09/20	KC	n/a	n/a	V3B7181
JD5554-6	3B159448.D	1	04/09/20	KC	n/a	n/a	V3B7181

The QC reported here applies to the following samples: **Method:** SW846 8260C

JD5554-1, JD5554-2, JD5554-3, JD5554-4, JD5554-5, JD5554-6, JD5554-7, JD5554-8, JD5554-9, JD5554-10, JD5554-11, JD5554-12

CAS No.	Compound	JD5554-6 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		200	164	82	200	168	84	2	34-149/17
71-43-2	Benzene	ND		50	44.6	89	50	45.5	91	2	54-136/10
74-97-5	Bromochloromethane	ND		50	44.7	89	50	47.6	95	6	79-124/11
75-27-4	Bromodichloromethane	ND		50	41.2	82	50	42.3	85	3	79-124/11
75-25-2	Bromoform	ND		50	41.7	83	50	41.5	83	0	71-130/11
74-83-9	Bromomethane	ND		50	42.2	84	50	47.7	95	12	53-142/14
78-93-3	2-Butanone (MEK)	ND		200	188	94	200	192	96	2	54-142/15
75-15-0	Carbon disulfide	ND		50	49.1	98	50	50.5	101	3	59-145/17
56-23-5	Carbon tetrachloride	ND		50	45.0	90	50	46.3	93	3	70-143/12
108-90-7	Chlorobenzene	ND		50	44.2	88	50	44.8	90	1	78-123/10
75-00-3	Chloroethane	ND		50	44.1	88	50	49.1	98	11	57-141/14
67-66-3	Chloroform	ND		50	44.1	88	50	45.1	90	2	76-123/11
74-87-3	Chloromethane	ND		50	41.0	82	50	48.4	97	17* [a]	43-141/16
110-82-7	Cyclohexane	ND		50	48.5	97	50	52.4	105	8	51-155/16
96-12-8	1,2-Dibromo-3-chloropropane	ND		50	41.7	83	50	42.3	85	1	66-130/13
124-48-1	Dibromochloromethane	ND		50	41.8	84	50	41.7	83	0	76-125/11
106-93-4	1,2-Dibromoethane	ND		50	46.3	93	50	47.1	94	2	78-119/11
95-50-1	1,2-Dichlorobenzene	ND		50	45.3	91	50	45.8	92	1	77-123/11
541-73-1	1,3-Dichlorobenzene	ND		50	46.3	93	50	46.6	93	1	76-122/11
106-46-7	1,4-Dichlorobenzene	ND		50	43.5	87	50	44.7	89	3	76-122/11
75-71-8	Dichlorodifluoromethane	ND		50	50.2	100	50	57.5	115	14	31-159/16
75-34-3	1,1-Dichloroethane	ND		50	45.4	91	50	45.9	92	1	73-126/11
107-06-2	1,2-Dichloroethane	ND		50	39.3	79	50	39.0	78	1	72-131/11
75-35-4	1,1-Dichloroethene	ND		50	48.6	97	50	49.3	99	1	63-136/14
156-59-2	cis-1,2-Dichloroethene	ND		50	47.1	94	50	48.7	97	3	60-136/11
156-60-5	trans-1,2-Dichloroethene	ND		50	47.7	95	50	48.4	97	1	70-126/11
78-87-5	1,2-Dichloropropane	ND		50	45.2	90	50	46.5	93	3	78-124/10
10061-01-5	cis-1,3-Dichloropropene	ND		50	44.9	90	50	45.9	92	2	79-123/11
10061-02-6	trans-1,3-Dichloropropene	ND		50	45.1	90	50	45.3	91	0	77-123/11
123-91-1	1,4-Dioxane	ND		1250	1160	93	1250	1180	94	2	49-146/26
100-41-4	Ethylbenzene	ND		50	43.7	87	50	45.0	90	3	51-140/20
76-13-1	Freon 113	ND		50	49.7	99	50	51.6	103	4	60-192/14
591-78-6	2-Hexanone	ND		200	171	86	200	179	90	5	56-139/14
98-82-8	Isopropylbenzene	ND		50	47.7	95	50	47.3	95	1	75-129/11
79-20-9	Methyl Acetate	ND		50	42.8	86	50	44.2	88	3	55-131/15
108-87-2	Methylcyclohexane	ND		50	48.1	96	50	49.7	99	3	57-155/13

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JD5554
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Info Tech High School, 21-16 44th Road, Long Island City, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JD5554-6MS	3B159452.D	1	04/09/20	KC	n/a	n/a	V3B7181
JD5554-6MSD	3B159453.D	1	04/09/20	KC	n/a	n/a	V3B7181
JD5554-6	3B159448.D	1	04/09/20	KC	n/a	n/a	V3B7181

The QC reported here applies to the following samples: **Method:** SW846 8260C

JD5554-1, JD5554-2, JD5554-3, JD5554-4, JD5554-5, JD5554-6, JD5554-7, JD5554-8, JD5554-9, JD5554-10, JD5554-11, JD5554-12

CAS No.	Compound	JD5554-6 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
1634-04-4	Methyl Tert Butyl Ether	ND		50	43.3	87	50	44.1	88	2	72-123/11
108-10-1	4-Methyl-2-pentanone(MIBK)	ND		200	183	92	200	185	93	1	66-136/13
75-09-2	Methylene chloride	ND		50	49.2	98	50	49.8	100	1	73-125/13
100-42-5	Styrene	ND		50	46.3	93	50	46.9	94	1	75-129/11
79-34-5	1,1,2,2-Tetrachloroethane	ND		50	45.1	90	50	47.2	94	5	71-122/11
127-18-4	Tetrachloroethene	25.2		50	69.8	89	50	70.0	90	0	61-139/11
108-88-3	Toluene	ND		50	44.5	89	50	44.8	90	1	60-135/10
87-61-6	1,2,3-Trichlorobenzene	ND		50	46.5	93	50	47.4	95	2	70-138/13
120-82-1	1,2,4-Trichlorobenzene	ND		50	46.2	92	50	47.3	95	2	72-137/13
71-55-6	1,1,1-Trichloroethane	ND		50	44.0	88	50	44.8	90	2	74-138/12
79-00-5	1,1,2-Trichloroethane	ND		50	44.9	90	50	45.3	91	1	78-121/11
79-01-6	Trichloroethene	0.79	J	50	49.7	98	50	49.7	98	0	62-141/10
75-69-4	Trichlorofluoromethane	ND		50	46.6	93	50	49.4	99	6	57-149/14
75-01-4	Vinyl chloride	ND		50	39.4	79	50	46.3	93	16* [a]	43-146/15
	m,p-Xylene	ND		100	90.7	91	100	93.5	94	3	50-144/20
95-47-6	o-Xylene	ND		50	45.2	90	50	45.7	91	1	63-134/10
1330-20-7	Xylene (total)	ND		150	136	91	150	139	93	2	56-139/20

CAS No.	Surrogate Recoveries	MS	MSD	JD5554-6	Limits
1868-53-7	Dibromofluoromethane	104%	103%	104%	80-120%
17060-07-0	1,2-Dichloroethane-D4	93%	89%	93%	81-124%
2037-26-5	Toluene-D8	104%	104%	102%	80-120%
460-00-4	4-Bromofluorobenzene	105%	104%	97%	80-120%

(a) Outside control limits due to matrix interference.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JD5554
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Info Tech High School, 21-16 44th Road, Long Island City, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JD5742-25MS	3B159538.D	1	04/14/20	MD	n/a	n/a	V3B7186
JD5742-25MSD	3B159539.D	1	04/14/20	MD	n/a	n/a	V3B7186
JD5742-25	3B159535.D	1	04/14/20	MD	n/a	n/a	V3B7186

The QC reported here applies to the following samples: **Method:** SW846 8260C

JD5554-4

CAS No.	Compound	JD5742-25 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		200	176	88	200	180	90	2	34-149/17
71-43-2	Benzene	ND		50	45.0	90	50	45.4	91	1	54-136/10
74-97-5	Bromochloromethane	ND		50	45.2	90	50	48.6	97	7	79-124/11
75-27-4	Bromodichloromethane	ND		50	43.2	86	50	44.4	89	3	79-124/11
75-25-2	Bromoform	ND		50	41.8	84	50	42.1	84	1	71-130/11
74-83-9	Bromomethane	ND		50	44.2	88	50	46.5	93	5	53-142/14
78-93-3	2-Butanone (MEK)	ND		200	203	102	200	202	101	0	54-142/15
75-15-0	Carbon disulfide	ND		50	47.3	95	50	50.8	102	7	59-145/17
56-23-5	Carbon tetrachloride	ND		50	47.2	94	50	47.8	96	1	70-143/12
108-90-7	Chlorobenzene	ND		50	43.5	87	50	44.7	89	3	78-123/10
75-00-3	Chloroethane	5.2		50	50.3	90	50	52.5	95	4	57-141/14
67-66-3	Chloroform	ND		50	45.4	91	50	46.8	94	3	76-123/11
74-87-3	Chloromethane	ND		50	41.4	83	50	50.2	100	19* [a]	43-141/16
110-82-7	Cyclohexane	ND		50	50.1	100	50	51.3	103	2	51-155/16
96-12-8	1,2-Dibromo-3-chloropropane	ND		50	43.0	86	50	43.4	87	1	66-130/13
124-48-1	Dibromochloromethane	ND		50	42.2	84	50	42.4	85	0	76-125/11
106-93-4	1,2-Dibromoethane	ND		50	46.4	93	50	47.3	95	2	78-119/11
95-50-1	1,2-Dichlorobenzene	ND		50	45.9	92	50	46.5	93	1	77-123/11
541-73-1	1,3-Dichlorobenzene	ND		50	46.4	93	50	47.5	95	2	76-122/11
106-46-7	1,4-Dichlorobenzene	ND		50	43.9	88	50	45.0	90	2	76-122/11
75-71-8	Dichlorodifluoromethane	ND		50	54.4	109	50	59.5	119	9	31-159/16
75-34-3	1,1-Dichloroethane	47.3		50	93.4	92	50	93.4	92	0	73-126/11
107-06-2	1,2-Dichloroethane	ND		50	41.6	83	50	41.4	83	0	72-131/11
75-35-4	1,1-Dichloroethene	ND		50	47.2	94	50	50.2	100	6	63-136/14
156-59-2	cis-1,2-Dichloroethene	140		50	190	100	50	182	84	4	60-136/11
156-60-5	trans-1,2-Dichloroethene	3.9		50	50.7	94	50	51.9	96	2	70-126/11
78-87-5	1,2-Dichloropropane	ND		50	45.1	90	50	46.5	93	3	78-124/10
10061-01-5	cis-1,3-Dichloropropene	ND		50	46.5	93	50	47.4	95	2	79-123/11
10061-02-6	trans-1,3-Dichloropropene	ND		50	44.7	89	50	46.4	93	4	77-123/11
123-91-1	1,4-Dioxane	ND		1250	1110	89	1250	1130	90	2	49-146/26
100-41-4	Ethylbenzene	ND		50	44.3	89	50	44.4	89	0	51-140/20
76-13-1	Freon 113	ND		50	48.9	98	50	48.1	96	2	60-192/14
591-78-6	2-Hexanone	ND		200	165	83	200	173	87	5	56-139/14
98-82-8	Isopropylbenzene	ND		50	47.4	95	50	47.6	95	0	75-129/11
79-20-9	Methyl Acetate	ND		50	43.6	87	50	44.7	89	2	55-131/15
108-87-2	Methylcyclohexane	ND		50	45.8	92	50	46.4	93	1	57-155/13

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JD5554
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Info Tech High School, 21-16 44th Road, Long Island City, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JD5742-25MS	3B159538.D	1	04/14/20	MD	n/a	n/a	V3B7186
JD5742-25MSD	3B159539.D	1	04/14/20	MD	n/a	n/a	V3B7186
JD5742-25	3B159535.D	1	04/14/20	MD	n/a	n/a	V3B7186

The QC reported here applies to the following samples: **Method:** SW846 8260C

JD5554-4

CAS No.	Compound	JD5742-25 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
1634-04-4	Methyl Tert Butyl Ether	ND		50	44.6	89	50	46.9	94	5	72-123/11
108-10-1	4-Methyl-2-pentanone(MIBK)	ND		200	182	91	200	184	92	1	66-136/13
75-09-2	Methylene chloride	ND		50	48.5	97	50	50.7	101	4	73-125/13
100-42-5	Styrene	ND		50	46.2	92	50	46.7	93	1	75-129/11
79-34-5	1,1,2,2-Tetrachloroethane	ND		50	45.2	90	50	48.2	96	6	71-122/11
108-88-3	Toluene	ND		50	44.0	88	50	44.5	89	1	60-135/10
87-61-6	1,2,3-Trichlorobenzene	ND		50	46.1	92	50	48.9	98	6	70-138/13
120-82-1	1,2,4-Trichlorobenzene	ND		50	46.7	93	50	48.0	96	3	72-137/13
71-55-6	1,1,1-Trichloroethane	58.2		50	106	96	50	100	84	6	74-138/12
79-00-5	1,1,2-Trichloroethane	ND		50	44.7	89	50	44.8	90	0	78-121/11
79-01-6	Trichloroethene	75.4		50	126	101	50	122	93	3	62-141/10
75-69-4	Trichlorofluoromethane	ND		50	50.7	101	50	51.1	102	1	57-149/14
75-01-4	Vinyl chloride	12.6		50	52.8	80	50	59.5	94	12	43-146/15
	m,p-Xylene	ND		100	91.9	92	100	91.9	92	0	50-144/20
95-47-6	o-Xylene	ND		50	46.8	94	50	45.9	92	2	63-134/10
1330-20-7	Xylene (total)	ND		150	139	93	150	138	92	1	56-139/20

CAS No.	Surrogate Recoveries	MS	MSD	JD5742-25	Limits
1868-53-7	Dibromofluoromethane	108%	108%	107%	80-120%
17060-07-0	1,2-Dichloroethane-D4	97%	96%	99%	81-124%
2037-26-5	Toluene-D8	102%	105%	102%	80-120%
460-00-4	4-Bromofluorobenzene	105%	107%	99%	80-120%

(a) Outside control limits due to matrix interference.

* = Outside of Control Limits.

Instrument Performance Check (BFB)

Job Number: JD5554
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Info Tech High School, 21-16 44th Road, Long Island City, NY

Sample: V3B7128-BFB
Lab File ID: 3B158335.D
Instrument ID: GCMS3B
Injection Date: 02/16/20
Injection Time: 12:16

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	12747	19.9		Pass
75	30.0 - 60.0% of mass 95	31875	49.7		Pass
95	Base peak, 100% relative abundance	64133	100.0		Pass
96	5.0 - 9.0% of mass 95	3930	6.13		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 150.0% of mass 95	62912	98.1		Pass
175	5.0 - 9.0% of mass 174	5094	7.94	(8.10) [a]	Pass
176	95.0 - 101.0% of mass 174	61323	95.6	(97.5) [a]	Pass
177	5.0 - 9.0% of mass 176	3978	6.20	(6.49) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V3B7128-IC7128	3B158336.D	02/16/20	12:54	00:38	Initial cal 0.2
V3B7128-IC7128	3B158337.D	02/16/20	13:22	01:06	Initial cal 0.5
V3B7128-IC7128	3B158338.D	02/16/20	13:50	01:34	Initial cal 1
V3B7128-IC7128	3B158339.D	02/16/20	14:19	02:03	Initial cal 2
V3B7128-IC7128	3B158340.D	02/16/20	14:47	02:31	Initial cal 4
V3B7128-IC7128	3B158341.D	02/16/20	15:16	03:00	Initial cal 8
V3B7128-IC7128	3B158342.D	02/16/20	15:44	03:28	Initial cal 20
V3B7128-ICC7128	3B158343.D	02/16/20	16:12	03:56	Initial cal 50
V3B7128-IC7128	3B158344.D	02/16/20	16:41	04:25	Initial cal 100
V3B7128-IC7128	3B158345.D	02/16/20	17:09	04:53	Initial cal 200
V3B7128-ICV7128	3B158348.D	02/16/20	18:35	06:19	Initial cal verification 50
V3B7128-ICV7128	3B158349.D	02/16/20	19:04	06:48	Initial cal verification 50

Instrument Performance Check (BFB)

Job Number: JD5554
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Info Tech High School, 21-16 44th Road, Long Island City, NY

Sample: V3B7181-BFB
Lab File ID: 3B159444.D
Instrument ID: GCMS3B
Injection Date: 04/09/20
Injection Time: 08:22

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	12108	17.6		Pass
75	30.0 - 60.0% of mass 95	32259	47.0		Pass
95	Base peak, 100% relative abundance	68680	100.0		Pass
96	5.0 - 9.0% of mass 95	4455	6.49		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 150.0% of mass 95	68757	100.1		Pass
175	5.0 - 9.0% of mass 174	5508	8.02	(8.01) [a]	Pass
176	95.0 - 101.0% of mass 174	67333	98.0	(97.9) [a]	Pass
177	5.0 - 9.0% of mass 176	4232	6.16	(6.29) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V3B7181-CC7128	3B159444.D	04/09/20	08:22	00:00	Continuing cal 20
V3B7181-BS	3B159445.D	04/09/20	08:58	00:36	Blank Spike
V3B7181-MB	3B159447.D	04/09/20	09:56	01:34	Method Blank
JD5554-6	3B159448.D	04/09/20	10:35	02:13	MW-7
ZZZZZZ	3B159449.D	04/09/20	11:04	02:42	(unrelated sample)
ZZZZZZ	3B159450.D	04/09/20	11:32	03:10	(unrelated sample)
ZZZZZZ	3B159451.D	04/09/20	12:01	03:39	(unrelated sample)
JD5554-6MS	3B159452.D	04/09/20	12:30	04:08	Matrix Spike
JD5554-6MSD	3B159453.D	04/09/20	12:59	04:37	Matrix Spike Duplicate
ZZZZZZ	3B159454.D	04/09/20	13:27	05:05	(unrelated sample)
JD5554-10	3B159455.D	04/09/20	13:56	05:34	TRIP BLANK-1
JD5554-11	3B159456.D	04/09/20	14:24	06:02	FIELD BLANK-1
ZZZZZZ	3B159457.D	04/09/20	14:52	06:30	(unrelated sample)
JD5554-2	3B159458.D	04/09/20	15:21	06:59	BMRW-1
JD5554-5	3B159459.D	04/09/20	15:49	07:27	MW-6
JD5554-7	3B159460.D	04/09/20	16:18	07:56	MW-8
JD5554-8	3B159461.D	04/09/20	16:47	08:25	MW-9
JD5554-9	3B159462.D	04/09/20	17:15	08:53	RW-1
JD5554-3	3B159463.D	04/09/20	17:44	09:22	BMRW-2
JD5554-4	3B159464.D	04/09/20	18:12	09:50	BMRW-3
JD5554-1	3B159465.D	04/09/20	18:41	10:19	MW-1
JD5554-12	3B159466.D	04/09/20	19:10	10:48	MW-1 DUP
JD5554-1	3B159467.D	04/09/20	19:38	11:16	MW-1
JD5554-12	3B159468.D	04/09/20	20:07	11:45	MW-1 DUP

Instrument Performance Check (BFB)

Job Number: JD5554
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Info Tech High School, 21-16 44th Road, Long Island City, NY

Sample: V3B7186-BFB
Lab File ID: 3B159530.D
Instrument ID: GCMS3B
Injection Date: 04/14/20
Injection Time: 08:28

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	12109	18.3		Pass
75	30.0 - 60.0% of mass 95	34024	51.5		Pass
95	Base peak, 100% relative abundance	66035	100.0		Pass
96	5.0 - 9.0% of mass 95	4669	7.07		Pass
173	Less than 2.0% of mass 174	618	0.94	(1.00) [a]	Pass
174	50.0 - 150.0% of mass 95	61587	93.3		Pass
175	5.0 - 9.0% of mass 174	5144	7.79	(8.35) [a]	Pass
176	95.0 - 101.0% of mass 174	61424	93.0	(99.7) [a]	Pass
177	5.0 - 9.0% of mass 176	4014	6.08	(6.53) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V3B7186-CC7128	3B159530.D	04/14/20	08:28	00:00	Continuing cal 20
V3B7186-BS	3B159531.D	04/14/20	09:02	00:34	Blank Spike
V3B7186-MB	3B159533.D	04/14/20	09:58	01:30	Method Blank
ZZZZZZ	3B159534.D	04/14/20	10:33	02:05	(unrelated sample)
JD5742-25	3B159535.D	04/14/20	11:01	02:33	(used for QC only; not part of job JD5554)
ZZZZZZ	3B159536.D	04/14/20	11:29	03:01	(unrelated sample)
JD5554-4	3B159537.D	04/14/20	11:58	03:30	BMRW-3
JD5742-25MS	3B159538.D	04/14/20	12:26	03:58	Matrix Spike
JD5742-25MSD	3B159539.D	04/14/20	12:54	04:26	Matrix Spike Duplicate
ZZZZZZ	3B159541.D	04/14/20	13:50	05:22	(unrelated sample)
ZZZZZZ	3B159542.D	04/14/20	14:19	05:51	(unrelated sample)
ZZZZZZ	3B159543.D	04/14/20	14:47	06:19	(unrelated sample)
ZZZZZZ	3B159544.D	04/14/20	15:15	06:47	(unrelated sample)
ZZZZZZ	3B159545.D	04/14/20	15:44	07:16	(unrelated sample)
ZZZZZZ	3B159546.D	04/14/20	16:13	07:45	(unrelated sample)
ZZZZZZ	3B159547.D	04/14/20	16:42	08:14	(unrelated sample)
ZZZZZZ	3B159548.D	04/14/20	17:10	08:42	(unrelated sample)
ZZZZZZ	3B159549.D	04/14/20	17:38	09:10	(unrelated sample)
ZZZZZZ	3B159550.D	04/14/20	18:07	09:39	(unrelated sample)
ZZZZZZ	3B159551.D	04/14/20	18:35	10:07	(unrelated sample)
ZZZZZZ	3B159552.D	04/14/20	19:04	10:36	(unrelated sample)
ZZZZZZ	3B159553.D	04/14/20	19:32	11:04	(unrelated sample)
ZZZZZZ	3B159554.D	04/14/20	20:01	11:33	(unrelated sample)

Internal Standard Area Summary

Job Number: JD5554
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Info Tech High School, 21-16 44th Road, Long Island City, NY

Check Std:	V3B7181-CC7128	**Injection Date:**	04/09/20
Lab File ID:	3B159444.D	**Injection Time:**	08:22
Instrument ID:	GCMS3B	**Method:**	SW846 8260C

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	220599	7.94	193193	10.48	270664	11.47	256938	14.81	172772	17.30
Upper Limit [a]	441198	8.44	386386	10.98	541328	11.97	513876	15.31	345544	17.80
Lower Limit [b]	110300	7.44	96597	9.98	135332	10.97	128469	14.31	86386	16.80

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
V3B7181-BS	235317	7.95	199687	10.48	284887	11.47	275697	14.81	182429	17.30
V3B7181-MB	231026	7.94	196512	10.48	274500	11.47	259344	14.81	179292	17.31
JD5554-6	237666	7.94	199119	10.48	282186	11.47	263501	14.81	183329	17.31
ZZZZZZ	210970	7.95	186920	10.48	263011	11.47	247449	14.81	171387	17.31
ZZZZZZ	198084	7.93	182385	10.48	256550	11.47	241339	14.81	165969	17.31
ZZZZZZ	202127	7.93	184892	10.48	263938	11.47	241617	14.81	169747	17.31
JD5554-6MS	207489	7.94	186081	10.48	263440	11.47	253762	14.81	171256	17.30
JD5554-6MSD	228205	7.95	195030	10.48	279258	11.47	269997	14.81	177904	17.30
ZZZZZZ	224739	7.93	201253	10.48	284873	11.47	266636	14.81	183055	17.31
JD5554-10	226858	7.93	190888	10.48	272248	11.47	254590	14.81	174855	17.31
JD5554-11	205396	7.93	185263	10.48	264503	11.47	248473	14.81	172990	17.31
ZZZZZZ	214583	7.94	186562	10.48	264709	11.47	248465	14.81	172000	17.31
JD5554-2	206457	7.95	174948	10.48	252643	11.47	237722	14.81	159499	17.31
JD5554-5	213173	7.95	181405	10.48	259280	11.47	243800	14.81	165269	17.31
JD5554-7	211104	7.95	176169	10.48	252707	11.47	235185	14.81	157874	17.31
JD5554-8	208196	7.94	180175	10.48	261299	11.47	242854	14.81	162955	17.31
JD5554-9	207181	7.92	171220	10.48	246013	11.47	228688	14.81	151658	17.31
JD5554-3 [c]	191922	7.94	170770	10.48	240847	11.47	224650	14.81	149854	17.31
JD5554-4	196576	7.94	164457	10.48	243708	11.47	227030	14.81	150041	17.31
JD5554-1	197920	7.94	172333	10.48	251205	11.47	231850	14.81	156232	17.31
JD5554-12	194779	7.95	169396	10.48	241809	11.47	227668	14.81	153249	17.31
JD5554-1 [c]	193513	7.93	170874	10.48	246810	11.47	226499	14.81	155702	17.31
JD5554-12 [c]	187674	7.93	170042	10.48	243645	11.47	228226	14.81	153721	17.31

IS 1 = Tert Butyl Alcohol-D9
IS 2 = Pentafluorobenzene
IS 3 = 1,4-Difluorobenzene
IS 4 = Chlorobenzene-D5
IS 5 = 1,4-Dichlorobenzene-d4

(a) Upper Limit = +100% of check standard area; Retention time +0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.
(c) Dilution required due to high concentration of target compound.

Internal Standard Area Summary

Job Number: JD5554
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Info Tech High School, 21-16 44th Road, Long Island City, NY

Check Std:	V3B7186-CC7128	**Injection Date:**	04/14/20
Lab File ID:	3B159530.D	**Injection Time:**	08:28
Instrument ID:	GCMS3B	**Method:**	SW846 8260C

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	232426	7.95	182390	10.48	253769	11.47	243084	14.81	167821	17.30
Upper Limit [a]	464852	8.45	364780	10.98	507538	11.97	486168	15.31	335642	17.80
Lower Limit [b]	116213	7.45	91195	9.98	126885	10.97	121542	14.31	83911	16.80

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
V3B7186-BS	251518	7.94	188631	10.48	270960	11.47	262943	14.81	181716	17.30
V3B7186-MB	223399	7.93	190279	10.48	266663	11.47	257750	14.81	181128	17.30
ZZZZZZ	234607	7.93	185908	10.48	261768	11.47	244352	14.81	165841	17.30
JD5742-25	206633	7.93	180762	10.48	256940	11.47	241364	14.81	169894	17.30
ZZZZZZ	200280	7.93	170374	10.48	238982	11.47	228650	14.81	155015	17.30
JD5554-4	201708	7.93	166526	10.48	239805	11.47	221591	14.81	153048	17.30
JD5742-25MS	208856	7.95	179234	10.48	257249	11.47	253351	14.81	173533	17.30
JD5742-25MSD	229809	7.93	188635	10.48	273523	11.47	267539	14.81	174933	17.30
ZZZZZZ	218357	7.93	190006	10.48	277056	11.47	253901	14.81	177062	17.30
ZZZZZZ	211324	7.93	175695	10.48	253332	11.47	233370	14.81	162212	17.30
ZZZZZZ	205471	7.92	173734	10.48	246431	11.47	228052	14.81	155281	17.30
ZZZZZZ	198581	7.92	167456	10.48	243917	11.47	228104	14.81	158204	17.30
ZZZZZZ	192749	7.93	164881	10.48	234081	11.47	221099	14.81	151216	17.30
ZZZZZZ	190018	7.93	159780	10.48	233313	11.47	215975	14.81	148077	17.30
ZZZZZZ	193694	7.93	164671	10.48	235684	11.47	218717	14.81	151286	17.30
ZZZZZZ	192134	7.93	159028	10.48	234777	11.47	215264	14.81	149244	17.30
ZZZZZZ	180000	7.92	158781	10.48	225760	11.47	212788	14.81	146173	17.31
ZZZZZZ	187534	7.93	160227	10.48	227474	11.47	214151	14.81	144898	17.30
ZZZZZZ	197457	7.94	163971	10.48	239717	11.47	222812	14.81	150092	17.31
ZZZZZZ	192915	7.93	155013	10.48	222255	11.47	206191	14.81	138353	17.30
ZZZZZZ	191733	7.93	154984	10.48	224516	11.47	208918	14.81	142260	17.30
ZZZZZZ	175608	7.93	149210	10.48	215516	11.47	200219	14.81	137464	17.30

IS 1 = Tert Butyl Alcohol-D9
IS 2 = Pentafluorobenzene
IS 3 = 1,4-Difluorobenzene
IS 4 = Chlorobenzene-D5
IS 5 = 1,4-Dichlorobenzene-d4

(a) Upper Limit = +100% of check standard area; Retention time +0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Surrogate Recovery Summary

Job Number: JD5554
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Info Tech High School, 21-16 44th Road, Long Island City, NY

Method: SW846 8260C **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4
JD5554-1	3B159467.D	110	102	105	99
JD5554-1	3B159465.D	110	101	105	99
JD5554-2	3B159458.D	109	97	102	99
JD5554-3	3B159463.D	106	100	103	102
JD5554-4	3B159537.D	104	99	105	102
JD5554-4	3B159464.D	109	99	103	101
JD5554-5	3B159459.D	109	100	103	98
JD5554-6	3B159448.D	104	93	102	97
JD5554-7	3B159460.D	107	98	104	101
JD5554-8	3B159461.D	110	99	102	100
JD5554-9	3B159462.D	107	98	103	102
JD5554-10	3B159455.D	105	97	103	99
JD5554-11	3B159456.D	109	96	103	99
JD5554-12	3B159468.D	111	102	104	102
JD5554-12	3B159466.D	111	101	104	101
JD5554-6MS	3B159452.D	104	93	104	105
JD5554-6MSD	3B159453.D	103	89	104	104
JD5742-25MS	3B159538.D	108	97	102	105
JD5742-25MSD	3B159539.D	108	96	105	107
V3B7181-BS	3B159445.D	104	90	103	103
V3B7181-MB	3B159447.D	106	94	101	99
V3B7186-BS	3B159531.D	107	94	105	104
V3B7186-MB	3B159533.D	104	99	101	98

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	80-120%
S2 = 1,2-Dichloroethane-D4	81-124%
S3 = Toluene-D8	80-120%
S4 = 4-Bromofluorobenzene	80-120%

Initial Calibration Summary

Job Number: JD5554 **Sample:** V3B7128-ICC7128
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 3B158343.D
Project: Info Tech High School, 21-16 44th Road, Long Island City, NY

Response Factor Report MS3B

Method : C:\MSDCHEM\1\METHODS\M3B7128.M (RTE Integrator)
Title : SW846 8260C, Rxi624Sil MS 60m x 0.25mm x 1.4um
Last Update : Mon Feb 17 10:01:00 2020
Response via : Initial Calibration

Calibration Files
1 =3B158338.D 4 =3B158340.D 100 =3B158344.D 50 =3B158343.D
20 =3B158342.D 200 =3B158345.D 8 =3B158341.D 0.5 =3B158337.D
2 =3B158339.D 0.2 =3B158336.D = =

Compound	1	4	100	50	20	200	8	0.5	2	0.2	Avg	%RSD
1) I tert butyl alcohol-d9	ISTD											
2) ethanol											0.000	-1.00
3) tertiary butyl alcohol	1.013	1.215	1.210	1.192	1.157	1.190		1.203			1.169	6.11
4) 1,4-dioxane	0.075	0.065	0.081	0.078	0.075	0.076	0.077		0.063		0.074	8.42
5) I pentafluorobenzene	ISTD											
6) chlorodifluoromethane *This compound fails Initial Calibration criteria*	1.355	1.304	1.343	1.441	1.437	1.236	1.425	1.679	1.364	1.306	1.389	8.71
7) dichlorodifluoromethane	1.648	1.503	1.436	1.590	1.520	1.342	1.519	1.264	1.614	1.504	1.494	7.99
8) chloromethane	1.651	1.367	1.386	1.469	1.448	1.313	1.374	1.641	1.527		1.464	8.27
9) vinyl chloride	1.551	1.286	1.380	1.478	1.441	1.310	1.388	1.344	1.414	1.537	1.413	6.35
10) 1,3-butadiene	0.857	0.725	0.739	0.756	0.757	0.666	0.730	0.691	0.752		0.741	7.15
11) bromomethane	0.983	0.835	0.829	0.852	0.851	0.749	0.809		0.896		0.850	8.01
12) chloroethane	0.584	0.489	0.498	0.515	0.497	0.449	0.514		0.532		0.510	7.58
13) trichlorofluoromethane	1.437	1.451	1.400	1.477	1.479	1.288	1.423	1.371	1.547	1.225	1.410	6.74
14) vinyl bromide	0.765	0.676	0.700	0.704	0.694	0.636	0.669		0.745		0.699	5.90
15) ethyl ether	0.204	0.231	0.234	0.236	0.218	0.221		0.179			0.217	9.33
16) 2-chloropropane	0.971	1.025	1.054	1.027	1.038	0.957	1.013	1.256	1.068		1.045	8.29
17) acrolein	0.134	0.126	0.124	0.127	0.119						0.126	4.16
18) freon 113	0.613	0.624	0.606	0.636	0.618	0.564	0.617	0.479	0.532		0.588	8.90
19) 1,1-dichloroethene	0.477	0.477	0.528	0.516	0.528	0.493	0.492	0.636	0.566		0.524	9.73
20) acetone	0.199	0.199	0.229	0.223	0.211	0.200	0.219		0.159		0.205	10.58
21) acetonitrile	0.102	0.114	0.113	0.113	0.100	0.104		0.089			0.105	8.77
22) iodomethane	0.940	0.983	0.927	0.906	0.925	0.869		0.880			0.919	4.17
23) carbon disulfide												

```
      1.629 1.669 1.747 1.665 1.678 1.625 1.587 1.779 1.637 2.038  1.705    7.63
24)  methylene chloride
      0.517 0.511 0.585 0.554 0.550 0.556 0.525       0.527        0.541    4.62
25)  methyl acetate
            0.347 0.472 0.462 0.415 0.439 0.378                    0.419   11.64
26)  methyl tert butyl ether
      1.715 1.769 1.861 1.885 1.898 1.652 1.861 2.007 1.823 2.139  1.861    7.51
27)  trans-1,2-dichloroethene
      0.513 0.421 0.473 0.463 0.467 0.428 0.448       0.430        0.455    6.69
28)  hexane
      0.242 0.354 0.329 0.332 0.325 0.311 0.312 0.361 0.297        0.318   11.02
29)  di-isopropyl ether
      1.736 1.737 1.886 1.899 1.876 1.703 1.828 2.008 1.594 2.072  1.834    7.91
30)  2-butanone
            0.051 0.070 0.068 0.065 0.064 0.059       0.045        0.060   15.30
31)  1,1-dichloroethane
      0.746 0.846 0.845 0.838 0.839 0.774 0.823 0.989 0.765 0.836  0.830    8.09
32)  chloroprene
      0.597 0.690 0.757 0.744 0.760 0.695 0.691 0.717 0.670        0.703    7.25
33)  acrylonitrile
            0.137 0.236 0.219 0.210 0.217 0.189                    0.201   17.29
34)  vinyl acetate
                  0.089 0.087 0.082 0.084 0.057                    0.080   16.26
35)  ethyl tert-butyl ether
      1.783 1.803 1.947 1.953 1.903 1.763 1.841 1.860 1.761 1.913  1.853    3.99
36)  ethyl acetate
            0.055 0.108 0.102 0.096       0.091                    0.091   23.19
            ----- Linear regression -----  Coefficient =  0.9992
              Response Ratio = -0.00406 + 0.10903 *A

37)  2,2-dichloropropane
      1.075 1.071 1.036 1.084 1.057 0.944 1.066 1.094 1.064 1.274  1.076    7.53
38)  cis-1,2-dichloroethene
      0.459 0.471 0.504 0.494 0.472 0.474 0.481 0.445 0.459        0.473    3.85
39)  propionitrile
            0.064 0.078 0.078 0.074 0.073 0.070       0.058        0.071   10.28
40)  methyl acrylate  *This compound fails Initial Calibration criteria*
            0.010 0.080 0.073 0.068 0.073 0.037                    0.057   48.07
41)  methacrylonitrile
            0.173 0.210 0.209 0.187 0.201 0.176                    0.193    8.36
42)  bromochloromethane
      0.265 0.240 0.275 0.265 0.264 0.264 0.255 0.280 0.227 0.264  0.260    6.08
43)  tetrahydrofuran
            0.171 0.201 0.202 0.175 0.188 0.186       0.191        0.188    6.32
44)  chloroform
      0.862 0.870 0.889 0.876 0.847 0.818 0.858 0.916 0.800 0.823  0.856    4.10
45)  tert-Butyl Formate
      0.508 0.544 0.605 0.612 0.582 0.534 0.557 0.610 0.477        0.559    8.54
46)  dibromofluoromethane (s)
      0.466 0.457 0.481 0.452 0.467 0.467 0.446 0.450 0.458 0.467  0.461    2.27
47)  1,1,1-trichloroethane
      1.007 1.103 1.180 1.212 1.171 1.086 1.115 1.362 1.117        1.150    8.64
48)  cyclohexane
      0.936 0.908 0.868 0.915 0.879 0.832 0.884 0.654 0.930        0.867    9.95
49)  isobutyl alcohol
                                                                   0.000   -1.00
50)  1,1-dichloropropene
      0.400 0.577 0.581 0.604 0.603 0.547 0.589       0.568        0.559   11.93
51)  carbon tetrachloride
      1.014 0.992 1.034 1.058 1.032 0.953 1.026 1.026 0.959        1.010    3.51
```

Initial Calibration Summary

Job Number: JD5554 **Sample:** V3B7128-ICC7128
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 3B158343.D
Project: Info Tech High School, 21-16 44th Road, Long Island City, NY

52) tert-amyl alcohol
0.045 0.064 0.069 0.068 0.063 0.063 0.060 0.062 0.062 0.062 11.23
53) isopropyl acetate
0.073 0.121 0.121 0.118 0.115 0.105 0.109 16.92

54) I 1,4-difluorobenzene ----------ISTD----------
55) 1,2-dichloroethane-d4 (s)
0.430 0.439 0.409 0.415 0.427 0.398 0.443 0.432 0.419 0.449 0.426 3.72
56) n-butyl alcohol
0.016 0.019 0.019 0.018 0.018 0.015 0.017 10.29
57) 2,2,4-trimethylpentane
1.273 1.374 1.546 1.585 1.431 1.528 1.383 1.239 1.219 1.354 1.393 9.28
58) benzene
1.182 1.166 1.193 1.213 1.160 1.136 1.196 1.233 1.179 1.265 1.192 3.13
59) tert-amyl methyl ether
1.221 1.351 1.316 1.355 1.349 1.214 1.366 1.425 1.276 1.477 1.335 6.20
60) heptane
0.193 0.211 0.234 0.252 0.220 0.228 0.233 0.246 0.227 8.35
61) 1,2-dichloroethane
0.592 0.560 0.512 0.530 0.520 0.469 0.564 0.545 0.536 7.00
62) ethyl acrylate
0.308 0.515 0.516 0.485 0.505 0.453 0.464 17.22
63) trichloroethene
0.308 0.284 0.320 0.330 0.306 0.304 0.318 0.209 0.308 0.299 12.06
64) 2-chloroethyl vinyl ether
0.174 0.195 0.225 0.223 0.217 0.219 0.209 0.170 0.185 0.202 10.63
65) methyl methacrylate
0.068 0.100 0.097 0.096 0.100 0.087 0.092 13.61
66) methylcyclohexane
0.692 0.710 0.712 0.757 0.700 0.705 0.684 0.772 0.680 0.851 0.726 7.30
67) 1,2-dichloropropane
0.258 0.306 0.327 0.329 0.326 0.306 0.324 0.353 0.335 0.318 8.39
68) dibromomethane
0.186 0.202 0.230 0.229 0.222 0.214 0.214 0.265 0.223 0.221 9.87
69) bromodichloromethane
0.524 0.472 0.516 0.513 0.484 0.482 0.501 0.588 0.466 0.433 0.498 8.41
70) 2-nitropropane
0.130 0.132 0.134 0.126 0.122 0.127 0.128 3.35
71) epichlorohydrin
0.046 0.052 0.048 0.048 0.049 0.050 0.043 0.048 5.62
72) cis-1,3-dichloropropene
0.420 0.506 0.570 0.544 0.530 0.541 0.524 0.539 0.498 0.454 0.512 8.83
73) 4-methyl-2-pentanone
0.157 0.178 0.187 0.185 0.174 0.174 0.177 0.170 0.163 0.153 0.172 6.48
74) isoamyl alcohol
0.017 0.020 0.020 0.019 0.019 0.020 0.018 0.019 5.51

75) I chlorobenzene-d5 ----------ISTD----------
76) toluene-d8 (s)
1.182 1.226 1.178 1.203 1.189 1.190 1.203 1.127 1.166 1.158 1.182 2.32
77) toluene
0.756 0.751 0.815 0.847 0.800 0.758 0.845 0.893 0.786 0.806 6.06
78) ethyl methacrylate
0.429 0.490 0.502 0.488 0.452 0.455 0.417 0.462 7.00
79) trans-1,3-dichloropropene
0.354 0.520 0.552 0.564 0.563 0.506 0.551 0.464 0.509 14.03
80) 1,1,2-trichloroethane
0.255 0.261 0.272 0.278 0.270 0.252 0.262 0.228 0.262 0.260 5.58
81) tetrachloroethene
0.284 0.324 0.332 0.338 0.323 0.301 0.335 0.361 0.344 0.327 7.03

82) 2-hexanone
0.093 0.177 0.180 0.195 0.190 0.167 0.175 0.115 0.162 22.84
----- Linear regression ----- Coefficient = 0.9958
Response Ratio = -0.00483 + 0.17634 *A

83) 1,3-dichloropropane
0.406 0.532 0.506 0.517 0.505 0.469 0.512 0.593 0.524 0.507 9.88

84) butyl acetate
0.193 0.279 0.294 0.276 0.260 0.253 0.259 13.79

85) dibromochloromethane
0.412 0.435 0.460 0.459 0.438 0.424 0.428 0.403 0.430 0.527 0.442 7.94

86) 1,2-dibromoethane
0.310 0.391 0.413 0.404 0.392 0.387 0.393 0.321 0.364 0.375 9.66

87) n-butyl ether
1.452 1.541 1.613 1.527 1.461 1.463 1.322 1.483 6.16

88) chlorobenzene
0.878 1.004 0.945 0.967 0.931 0.914 0.959 1.081 0.967 0.796 0.944 7.97

89) 1,1,1,2-tetrachloroethane
0.451 0.481 0.486 0.516 0.475 0.447 0.472 0.372 0.457 0.487 0.464 8.21

90) ethylbenzene
1.644 1.598 1.628 1.678 1.620 1.521 1.602 1.837 1.550 1.631 5.56

91) m,p-xylene
0.562 0.649 0.641 0.649 0.647 0.608 0.627 0.612 0.567 0.618 5.48

92) o-xylene
1.329 1.393 1.478 1.497 1.444 1.381 1.455 1.511 1.403 1.488 1.438 4.12

93) styrene
0.911 1.060 1.067 1.063 1.072 1.006 1.047 0.813 0.928 0.996 9.21

94) butyl acrylate
0.764 0.832 0.886 0.867 0.793 0.836 0.830 5.49

95) n-amyl acetate
0.254 0.295 0.308 0.321 0.270 0.298 0.291 8.47

96) isopropylbenzene
1.891 1.857 2.002 2.045 1.943 1.879 1.905 1.939 1.784 1.696 1.894 5.34

97) bromoform
0.314 0.376 0.374 0.381 0.366 0.356 0.388 0.376 0.328 0.362 6.98

98) cis-1,4-dichloro-2-butene
0.233 0.239 0.249 0.243 0.218 0.222 0.155 0.223 14.35

99) I 1,4-dichlorobenzene-d ----------ISTD----------

100) 4-bromofluorobenzene (s)
0.682 0.711 0.728 0.710 0.708 0.732 0.730 0.703 0.686 0.689 0.708 2.56

101) 1,1,2,2-tetrachloroethane
0.787 0.828 0.893 0.881 0.816 0.819 0.819 1.051 0.730 0.805 0.843 10.18

102) trans-1,4-dichloro-2-butene
0.197 0.258 0.270 0.240 0.234 0.234 0.239 10.48

103) 1,2,3-trichloropropane
0.251 0.235 0.262 0.265 0.261 0.241 0.234 0.214 0.245 7.15

104) bromobenzene
0.675 0.655 0.766 0.760 0.708 0.707 0.703 0.808 0.597 0.709 8.96

105) n-propylbenzene
2.681 2.846 3.101 3.184 2.914 2.889 2.902 2.928 2.690 2.904 5.67

106) 2-chlorotoluene
0.650 0.614 0.727 0.715 0.637 0.686 0.630 0.637 0.658 0.662 5.93

107) 4-chlorotoluene
1.716 1.703 1.835 1.853 1.799 1.727 1.772 1.992 1.593 1.777 6.33

108) 1,3,5-trimethylbenzene
2.053 2.237 2.616 2.652 2.391 2.463 2.294 2.424 2.113 2.366 2.361 8.25

109) tert-butylbenzene
1.935 2.418 2.494 2.105 2.296 2.108 1.934 2.184 10.24

110) 1,2,4-trimethylbenzene

```
       2.116 2.285 2.591 2.609 2.447 2.436 2.308 2.507 2.211 2.673  2.418    7.61
111)  sec-butylbenzene
       2.921 3.001 3.566 3.632 3.232 3.457 3.057 3.243 2.818 3.130  3.206    8.56
112)  p-isopropyltoluene
       2.517 2.571 3.123 3.130 2.824 3.008 2.684       2.419        2.785   10.03
113)  1,3-dichlorobenzene
       1.209 1.398 1.469 1.487 1.433 1.369 1.403 1.432 1.304        1.389    6.24
114)  1,4-dichlorobenzene
       1.527 1.462 1.518 1.512 1.454 1.423 1.458       1.480        1.479    2.47
115)  1,2-dichlorobenzene
       1.635 1.536 1.643 1.668 1.580 1.556 1.579 1.510 1.481 1.574  1.576    3.77
116)  benzyl chloride
       1.502 1.798 1.986 2.015 1.893 1.866 1.851 1.742 1.845        1.833    8.21
117)  n-butylbenzene
       1.178 1.208 1.465 1.483 1.443 1.399 1.409       1.197        1.348    9.66
118)  hexachloroethane
             0.482 0.651 0.662 0.547 0.636 0.512       0.439        0.561   15.86
119)  1,2-dibromo-3-chloropropane
             0.363 0.392 0.412 0.378 0.373 0.376       0.323        0.374    7.35
120)  1,3,5-trichlorobenzene
       1.669 1.743 1.828 1.912 1.790 1.775 1.769 1.783 1.629        1.766    4.68
121)  2-ethylhexyl acrylate
                   1.200 1.128 0.797 1.254 0.526                    0.981   31.63
             ----- Linear regression -----  Coefficient =  0.9988
               Response Ratio = -0.02815 + 1.27673 *A

122)  1,2,4-trichlorobenzene
       1.361 1.679 1.889 2.061 1.839 1.794 1.850       1.643        1.764   11.77
123)  hexachlorobutadiene
       0.822 0.759 0.810 0.872 0.825 0.801 0.815 0.959 0.773        0.826    7.17
124)  naphthalene
       4.294 4.565 5.180 5.637 5.197 4.844 5.089       4.193        4.875   10.18
125)  1,2,3-trichlorobenzene
       1.639 1.751 2.065 2.275 2.019 1.919 1.993       1.750        1.926   10.73
126)  2-methylnaphthalene
                   3.527 3.733 2.815 3.292 2.227                    3.119   19.38
127)  bis(chloromethyl)ether
                                                                    0.000   -1.00
128)  ethylenimine
                                                                    0.000   -1.00
 ---------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

           M3B7128.M         Mon Feb 17 11:33:16 2020   M3B
```

Initial Calibration Verification

Job Number: JD5554 **Sample:** V3B7128-ICV7128
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 3B158348.D
Project: Info Tech High School, 21-16 44th Road, Long Island City, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\V3B7128\3B158348.D Vial: 14
Acq On : 16 Feb 2020 6:35 pm Operator: PrashanS
Sample : ICV7128-50 Inst : MS3B
Misc : MS41039,V3B7128,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\M3B7128.M (RTE Integrator)
Title : SW846 8260C, Rxi624Sil MS 60m x 0.25mm x 1.4um
Last Update : Mon Feb 17 10:01:00 2020
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	1.000	1.000	0.0	118	-0.01	7.94
2		ethanol		----------NA----------				
3		tertiary butyl alcohol	1.169	1.244	-6.4	122	-0.02	8.08
4		1,4-dioxane	0.074	0.088	-18.9	133	0.00	12.15
5	I	pentafluorobenzene	1.000	1.000	0.0	120	0.00	10.49
6		chlorodifluoromethane		----------NA----------				
7		dichlorodifluoromethane	1.494	1.522	-1.9	115	0.00	4.10
8		chloromethane	1.464	1.437	1.8	118	0.00	4.52
9		vinyl chloride	1.413	1.416	-0.2	115	0.00	4.79
10		1,3-butadiene	0.741	0.828	-11.7	132	0.00	4.83
11		bromomethane	0.850	1.070	-25.9	151	0.00	5.49
12		chloroethane	0.510	0.476	6.7	111	0.00	5.70
13		trichlorofluoromethane	1.410	1.456	-3.3	118	0.00	6.24
14		vinyl bromide	0.699	0.805	-15.2	137	0.00	6.09
15		ethyl ether	0.217	0.241	-11.1	124	0.00	6.70
16		2-chloropropane	1.045	0.954	8.7	112	0.00	6.94
17		acrolein	0.126	0.124	1.6	119	-0.01	6.94
18		freon 113	0.588	0.628	-6.8	119	0.00	7.19
19		1,1-dichloroethene	0.524	0.478	8.8	111	0.00	7.17
20		acetone	0.205	0.220	-7.3	119	0.00	7.17
21		acetonitrile		----------NA----------				
22		iodomethane	0.919	1.187	-29.2	154	0.00	7.46
23		carbon disulfide	1.705	1.925	-12.9	139	0.00	7.63
24		methylene chloride	0.541	0.561	-3.7	122	0.00	8.00
25		methyl acetate	0.419	0.450	-7.4	117	0.00	7.72
26		methyl tert butyl ether	1.861	1.872	-0.6	120	0.00	8.42
27		trans-1,2-dichloroethene	0.455	0.448	1.5	116	0.00	8.46
28		hexane	0.318	0.392	-23.3	142	0.00	8.86
29		di-isopropyl ether	1.834	1.800	1.9	114	0.00	9.10
30		2-butanone	0.060	0.073	-21.7	129	0.00	9.81
31		1,1-dichloroethane	0.830	0.845	-1.8	121	0.00	9.10
32		chloroprene	0.703	0.714	-1.6	115	0.00	9.21
33		acrylonitrile	0.201	0.251	-24.9	138	0.00	8.32
34		vinyl acetate	0.080	0.078	2.5	107	0.00	9.04
35		ethyl tert-butyl ether	1.853	1.872	-1.0	115	0.00	9.61
		----------	True	Calc.	% Drift	----------		
36		ethyl acetate	50.000	44.680	10.6	110	0.00	9.84
		----------	AvgRF	CCRF	% Dev	----------		
37		2,2-dichloropropane	1.076	0.980	8.9	109	0.00	9.92

Initial Calibration Verification

Job Number: JD5554 **Sample:** V3B7128-ICV7128
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 3B158348.D
Project: Info Tech High School, 21-16 44th Road, Long Island City, NY

38		cis-1,2-dichloroethene	0.473	0.490	-3.6	119	0.00	9.89
39		propionitrile	0.071	0.092	-29.6	142	0.00	9.87
40		methyl acrylate	0.057	0.082	-43.9#	135	0.00	9.93
41		methacrylonitrile	0.193	0.229	-18.7	132	0.00	10.10
42		bromochloromethane	0.260	0.278	-6.9	126	0.00	10.21
43		tetrahydrofuran	0.188	0.211	-12.2	126	-0.01	10.23
44		chloroform	0.856	0.848	0.9	116	0.00	10.31
45		tert-Butyl Formate	0.559	0.633	-13.2	124	0.00	10.34
46	S	dibromofluoromethane (s)	0.461	0.459	0.4	122	0.00	10.51
47		1,1,1-trichloroethane	1.150	1.126	2.1	112	0.00	10.59
48		cyclohexane	0.867	0.974	-12.3	128	0.00	10.71
49		isobutyl alcohol		----------NA----------				
50		1,1-dichloropropene	0.559	0.590	-5.5	117	0.00	10.76
51		carbon tetrachloride	1.010	1.016	-0.6	115	0.00	10.80
52		tert-amyl alcohol	0.062	0.069	-11.3	122	0.00	10.90
53		isopropyl acetate	0.109	0.118	-8.3	117	0.00	10.94
54	I	1,4-difluorobenzene	1.000	1.000	0.0	120	0.00	11.47
55	S	1,2-dichloroethane-d4 (s)	0.426	0.386	9.4	112	0.00	10.96
56		n-butyl alcohol	0.017	0.019	-11.8	120	0.00	11.51
57		2,2,4-trimethylpentane	1.393	1.705	-22.4	129	0.00	11.14
58		benzene	1.192	1.257	-5.5	124	0.00	11.03
59		tert-amyl methyl ether	1.335	1.270	4.9	113	0.00	11.12
60		heptane	0.227	0.265	-16.7	126	0.00	11.31
61		1,2-dichloroethane	0.536	0.507	5.4	115	0.00	11.06
62		ethyl acrylate	0.464	0.521	-12.3	121	0.00	11.78
63		trichloroethene	0.299	0.333	-11.4	121	0.00	11.80
64		2-chloroethyl vinyl ether	0.202	0.258	-27.7	139	0.00	12.63
65		methyl methacrylate	0.092	0.111	-20.7	137	0.00	12.06
66		methylcyclohexane	0.726	0.777	-7.0	123	0.00	12.11
67		1,2-dichloropropane	0.318	0.341	-7.2	124	0.00	12.10
68		dibromomethane	0.221	0.231	-4.5	121	0.00	12.21
69		bromodichloromethane	0.498	0.500	-0.4	117	0.00	12.38
70		2-nitropropane	0.128	0.147	-14.8	133	0.00	12.57
71		epichlorohydrin	0.048	0.054	-12.5	134	0.00	12.71
72		cis-1,3-dichloropropene	0.512	0.571	-11.5	126	0.00	12.86
73		4-methyl-2-pentanone	0.172	0.203	-18.0	132	0.00	12.95
74		isoamyl alcohol	0.019	0.021	-10.5	126	0.00	12.96
75	I	chlorobenzene-d5	1.000	1.000	0.0	126	0.00	14.81
76	S	toluene-d8 (s)	1.182	1.187	-0.4	125	0.00	13.19
77		toluene	0.806	0.848	-5.2	127	0.00	13.26
78		ethyl methacrylate	0.462	0.535	-15.8	135	0.00	13.45
79		trans-1,3-dichloropropene	0.509	0.578	-13.6	130	0.00	13.47
80		1,1,2-trichloroethane	0.260	0.292	-12.3	133	0.00	13.70
81		tetrachloroethene	0.327	0.351	-7.3	131	0.00	13.87
		----------	True	Calc.	% Drift	----------		
82		2-hexanone	200.000	223.497	-11.7	127	0.00	13.86
		----------	AvgRF	CCRF	% Dev	----------		
83		1,3-dichloropropane	0.507	0.531	-4.7	130	0.00	13.90
84		butyl acetate	0.259	0.301	-16.2	129	0.00	13.96
85		dibromochloromethane	0.442	0.477	-7.9	131	0.00	14.17
86		1,2-dibromoethane	0.375	0.439	-17.1	137	0.00	14.33
87		n-butyl ether	1.483	1.571	-5.9	123	0.00	14.80
88		chlorobenzene	0.944	1.022	-8.3	134	0.00	14.85
89		1,1,1,2-tetrachloroethane	0.464	0.497	-7.1	122	0.00	14.92
90		ethylbenzene	1.631	1.699	-4.2	128	0.00	14.91
91		m,p-xylene	0.618	0.666	-7.8	130	0.00	15.04

Initial Calibration Verification

Job Number: JD5554 **Sample:** V3B7128-ICV7128
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 3B158348.D
Project: Info Tech High School, 21-16 44th Road, Long Island City, NY

92		o-xylene	1.438	1.518	-5.6	128	0.00	15.47
93		styrene	0.996	1.114	-11.8	133	0.00	15.49
94		butyl acrylate	0.830	0.877	-5.7	125	0.00	15.28
95		n-amyl acetate	0.291	0.308	-5.8	127	0.00	15.50
96		isopropylbenzene	1.894	2.049	-8.2	127	0.00	15.85
97		bromoform	0.362	0.416	-14.9	138	0.00	15.74
98		cis-1,4-dichloro-2-butene	0.223	0.259	-16.1	132	0.00	15.88
99	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	127	0.00	17.31
100	S	4-bromofluorobenzene (s)	0.708	0.727	-2.7	130	0.00	16.07
101		1,1,2,2-tetrachloroethane	0.843	0.929	-10.2	134	0.00	16.14
102		trans-1,4-dichloro-2-bute	0.239	0.259	-8.4	121	0.00	16.17
103		1,2,3-trichloropropane	0.245	0.270	-10.2	129	0.00	16.24
104		bromobenzene	0.709	0.786	-10.9	131	0.00	16.27
105		n-propylbenzene	2.904	3.249	-11.9	129	0.00	16.29
106		2-chlorotoluene	0.662	0.739	-11.6	131	0.00	16.44
107		4-chlorotoluene	1.777	1.986	-11.8	136	0.00	16.56
108		1,3,5-trimethylbenzene	2.361	2.625	-11.2	125	0.00	16.45
109		tert-butylbenzene	2.184	2.426	-11.1	123	0.00	16.82
110		1,2,4-trimethylbenzene	2.418	2.666	-10.3	129	0.00	16.87
111		sec-butylbenzene	3.206	3.652	-13.9	127	0.00	17.05
112		p-isopropyltoluene	2.785	3.250	-16.7	132	0.00	17.19
113		1,3-dichlorobenzene	1.389	1.555	-12.0	133	0.00	17.24
114		1,4-dichlorobenzene	1.479	1.561	-5.5	131	0.00	17.34
115		1,2-dichlorobenzene	1.576	1.702	-8.0	129	0.00	17.72
116		benzyl chloride	1.833	1.519	17.1	95	0.00	17.42
117		n-butylbenzene	1.348	1.521	-12.8	130	0.00	17.61
118		hexachloroethane	0.561	0.644	-14.8	123	0.00	18.03
119		1,2-dibromo-3-chloropropa	0.374	0.388	-3.7	120	0.00	18.49
120		1,3,5-trichlorobenzene	1.766	1.902	-7.7	126	0.00	18.68
		----------	True	Calc.	% Drift	----------		
121		2-ethylhexyl acrylate	10.000	11.166	-11.7	144	0.00	19.27
		----------	AvgRF	CCRF	% Dev	----------		
122		1,2,4-trichlorobenzene	1.764	1.946	-10.3	120	0.00	19.31
123		hexachlorobutadiene	0.826	0.864	-4.6	126	0.00	19.40
124		naphthalene	4.875	5.454	-11.9	123	0.00	19.59
125		1,2,3-trichlorobenzene	1.926	2.189	-13.7	122	0.00	19.80
126		2-methylnaphthalene	3.119	3.921	-25.7	133	0.00	20.75
127		bis(chloromethyl)ether		----------NA----------				
128		ethylenimine		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3B158343.D M3B7128.M Mon Feb 17 11:33:03 2020 M3B

Initial Calibration Verification

Job Number: JD5554 **Sample:** V3B7128-ICV7128
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 3B158349.D
Project: Info Tech High School, 21-16 44th Road, Long Island City, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\V3B7128\3B158349.D Vial: 15
Acq On : 16 Feb 2020 7:04 pm Operator: PrashanS
Sample : ICV7128-50 Inst : MS3B
Misc : MS41039,V3B7128,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\M3B7128.M (RTE Integrator)
Title : SW846 8260C, Rxi624Sil MS 60m x 0.25mm x 1.4um
Last Update : Mon Feb 17 10:01:00 2020
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	1.000	1.000	0.0	122	-0.02	7.93
2		ethanol		----------NA----------				
3		tertiary butyl alcohol		----------NA----------				
4		1,4-dioxane		----------NA----------				
5	I	pentafluorobenzene	1.000	1.000	0.0	123	0.00	10.49
6		chlorodifluoromethane		----------NA----------				
7		dichlorodifluoromethane		----------NA----------				
8		chloromethane		----------NA----------				
9		vinyl chloride		----------NA----------				
10		1,3-butadiene		----------NA----------				
11		bromomethane		----------NA----------				
12		chloroethane		----------NA----------				
13		trichlorofluoromethane		----------NA----------				
14		vinyl bromide		----------NA----------				
15		ethyl ether		----------NA----------				
16		2-chloropropane		----------NA----------				
17		acrolein		----------NA----------				
18		freon 113		----------NA----------				
19		1,1-dichloroethene		----------NA----------				
20		acetone		----------NA----------				
21		acetonitrile	0.105	0.116	-10.5	126	0.00	7.64
22		iodomethane		----------NA----------				
23		carbon disulfide		----------NA----------				
24		methylene chloride		----------NA----------				
25		methyl acetate		----------NA----------				
26		methyl tert butyl ether		----------NA----------				
27		trans-1,2-dichloroethene		----------NA----------				
28		hexane		----------NA----------				
29		di-isopropyl ether		----------NA----------				
30		2-butanone		----------NA----------				
31		1,1-dichloroethane		----------NA----------				
32		chloroprene		----------NA----------				
33		acrylonitrile	0.201	0.216	-7.5	121	-0.01	8.32
34		vinyl acetate		----------NA----------				
35		ethyl tert-butyl ether		----------NA----------				
		----------	True	Calc.	% Drift	----------		
36		ethyl acetate		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
37		2,2-dichloropropane		----------NA----------				

Initial Calibration Verification

Job Number: JD5554 **Sample:** V3B7128-ICV7128
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 3B158349.D
Project: Info Tech High School, 21-16 44th Road, Long Island City, NY

38		cis-1,2-dichloroethene		----------NA----------					
39		propionitrile		----------NA----------					
40		methyl acrylate		----------NA----------					
41		methacrylonitrile		----------NA----------					
42		bromochloromethane		----------NA----------					
43		tetrahydrofuran		----------NA----------					
44		chloroform		----------NA----------					
45		tert-Butyl Formate		----------NA----------					
46	S	dibromofluoromethane (s)	0.461	0.452	2.0	123	0.00	10.51	
47		1,1,1-trichloroethane		----------NA----------					
48		cyclohexane		----------NA----------					
49		isobutyl alcohol		----------NA----------					
50		1,1-dichloropropene		----------NA----------					
51		carbon tetrachloride		----------NA----------					
52		tert-amyl alcohol		----------NA----------					
53		isopropyl acetate		----------NA----------					
54	I	1,4-difluorobenzene	1.000	1.000	0.0	124	0.00	11.47	
55	S	1,2-dichloroethane-d4 (s)	0.426	0.390	8.5	117	0.00	10.96	
56		n-butyl alcohol		----------NA----------					
57		2,2,4-trimethylpentane		----------NA----------					
58		benzene		----------NA----------					
59		tert-amyl methyl ether		----------NA----------					
60		heptane		----------NA----------					
61		1,2-dichloroethane		----------NA----------					
62		ethyl acrylate		----------NA----------					
63		trichloroethene		----------NA----------					
64		2-chloroethyl vinyl ether		----------NA----------					
65		methyl methacrylate		----------NA----------					
66		methylcyclohexane		----------NA----------					
67		1,2-dichloropropane		----------NA----------					
68		dibromomethane		----------NA----------					
69		bromodichloromethane		----------NA----------					
70		2-nitropropane		----------NA----------					
71		epichlorohydrin		----------NA----------					
72		cis-1,3-dichloropropene		----------NA----------					
73		4-methyl-2-pentanone		----------NA----------					
74		isoamyl alcohol		----------NA----------					
75	I	chlorobenzene-d5	1.000	1.000	0.0	130	0.00	14.81	
76	S	toluene-d8 (s)	1.182	1.167	1.3	126	0.00	13.19	
77		toluene		----------NA----------					
78		ethyl methacrylate		----------NA----------					
79		trans-1,3-dichloropropene		----------NA----------					
80		1,1,2-trichloroethane		----------NA----------					
81		tetrachloroethene	0.327	0.331	-1.2	127	0.00	13.87	
		----------	True	Calc.	% Drift	----------			
82		2-hexanone		----------NA----------					
		----------	AvgRF	CCRF	% Dev	----------			
83		1,3-dichloropropane		----------NA----------					
84		butyl acetate		----------NA----------					
85		dibromochloromethane		----------NA----------					
86		1,2-dibromoethane		----------NA----------					
87		n-butyl ether		----------NA----------					
88		chlorobenzene		----------NA----------					
89		1,1,1,2-tetrachloroethane		----------NA----------					
90		ethylbenzene		----------NA----------					
91		m,p-xylene		----------NA----------					

Initial Calibration Verification

Job Number: JD5554 **Sample:** V3B7128-ICV7128
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 3B158349.D
Project: Info Tech High School, 21-16 44th Road, Long Island City, NY

92		o-xylene		----------NA----------				
93		styrene		----------NA----------				
94		butyl acrylate		----------NA----------				
95		n-amyl acetate		----------NA----------				
96		isopropylbenzene		----------NA----------				
97		bromoform		----------NA----------				
98		cis-1,4-dichloro-2-butene		----------NA----------				
99	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	139	0.00	17.31
100	S	4-bromofluorobenzene (s)	0.708	0.691	2.4	135	0.00	16.07
101		1,1,2,2-tetrachloroethane		----------NA----------				
102		trans-1,4-dichloro-2-bute		----------NA----------				
103		1,2,3-trichloropropane		----------NA----------				
104		bromobenzene		----------NA----------				
105		n-propylbenzene		----------NA----------				
106		2-chlorotoluene		----------NA----------				
107		4-chlorotoluene		----------NA----------				
108		1,3,5-trimethylbenzene		----------NA----------				
109		tert-butylbenzene		----------NA----------				
110		1,2,4-trimethylbenzene		----------NA----------				
111		sec-butylbenzene		----------NA----------				
112		p-isopropyltoluene		----------NA----------				
113		1,3-dichlorobenzene		----------NA----------				
114		1,4-dichlorobenzene		----------NA----------				
115		1,2-dichlorobenzene		----------NA----------				
116		benzyl chloride		----------NA----------				
117		n-butylbenzene		----------NA----------				
118		hexachloroethane		----------NA----------				
119		1,2-dibromo-3-chloropropa		----------NA----------				
120		1,3,5-trichlorobenzene		----------NA----------				
		----------	True	Calc.	% Drift	----------		
121		2-ethylhexyl acrylate		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
122		1,2,4-trichlorobenzene		----------NA----------				
123		hexachlorobutadiene		----------NA----------				
124		naphthalene		----------NA----------				
125		1,2,3-trichlorobenzene		----------NA----------				
126		2-methylnaphthalene		----------NA----------				
127		bis(chloromethyl)ether		----------NA----------				
128		ethylenimine		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3B158343.D M3B7128.M Mon Feb 17 11:33:05 2020 M3B

Continuing Calibration Summary

Job Number: JD5554 **Sample:** V3B7181-CC7128
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 3B159444.D
Project: Info Tech High School, 21-16 44th Road, Long Island City, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\da...20\v3b7181\3b159444.d Vial: 2
Acq On : 9 Apr 2020 8:22 am Operator: krizhkac
Sample : cc7128-20 Inst : MS3B
Misc : MS42281,V3B7181,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\M3B7128.M (RTE Integrator)
Title : SW846 8260C, Rxi624Sil MS 60m x 0.25mm x 1.4um
Last Update : Mon Feb 17 10:01:00 2020
Response via : Multiple Level 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	%Dev	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	1.000	1.000	0.0	101	-0.01	7.94
2		ethanol		----------NA----------				
3		tertiary butyl alcohol	1.169	1.058	9.5	90	-0.02	8.08
4		1,4-dioxane	0.074	0.078	-5.4	104	0.00	12.14
5	I	pentafluorobenzene	1.000	1.000	0.0	109	0.00	10.48
6		chlorodifluoromethane		----------NA----------				
7		dichlorodifluoromethane	1.494	1.435	3.9	103	0.01	4.11
8		chloromethane	1.464	1.279	12.6	96	0.00	4.52
9		vinyl chloride	1.413	1.170	17.2	88	0.00	4.79
10		1,3-butadiene	0.741	0.616	16.9	89	0.01	4.84
11		bromomethane	0.850	0.808	4.9	103	0.00	5.50
12		chloroethane	0.510	0.489	4.1	107	0.02	5.71
13		trichlorofluoromethane	1.410	1.315	6.7	97	0.00	6.25
14		vinyl bromide	0.699	0.591	15.5	93	0.01	6.10
15		ethyl ether	0.217	0.225	-3.7	104	0.00	6.70
16		2-chloropropane		----------NA----------				
17		acrolein	0.126	0.102	19.0	90	0.00	6.95
18		freon 113	0.588	0.558	5.1	98	0.00	7.20
19		1,1-dichloroethene	0.524	0.509	2.9	105	0.00	7.17
20		acetone	0.205	0.185	9.8	95	0.00	7.17
21		acetonitrile	0.105	0.095	9.5	92	0.00	7.64
22		iodomethane	0.919	1.481	-61.2#	178	0.00	7.46
23		carbon disulfide	1.705	1.705	0.0	111	0.00	7.64
24		methylene chloride	0.541	0.567	-4.8	112	0.00	8.00
25		methyl acetate	0.419	0.385	8.1	101	0.00	7.72
26		methyl tert butyl ether	1.861	1.780	4.4	102	0.00	8.43
27		trans-1,2-dichloroethene	0.455	0.446	2.0	104	0.00	8.46
28		hexane	0.318	0.288	9.4	97	0.00	8.87
29		di-isopropyl ether	1.834	1.621	11.6	94	0.00	9.10
30		2-butanone	0.060	0.062	-3.3	102	0.00	9.80
31		1,1-dichloroethane	0.830	0.787	5.2	102	-0.01	9.09
32		chloroprene	0.703	0.599	14.8	86	0.00	9.21
33		acrylonitrile	0.201	0.183	9.0	95	0.00	8.33
34		vinyl acetate	0.080	0.078	2.5	103	0.01	9.04
35		ethyl tert-butyl ether	1.853	1.763	4.9	101	0.00	9.61
		----------	True	Calc.	% Drift	----------		
36		ethyl acetate	20.000	16.149	19.3	88	0.00	9.84
		----------	AvgRF	CCRF	% Dev	----------		
37		2,2-dichloropropane	1.076	1.020	5.2	105	-0.01	9.91

Continuing Calibration Summary

Job Number: JD5554 **Sample:** V3B7181-CC7128
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 3B159444.D
Project: Info Tech High School, 21-16 44th Road, Long Island City, NY

38		cis-1,2-dichloroethene	0.473	0.489	-3.4	113	0.00	9.88
39		propionitrile	0.071	0.078	-9.9	115	0.00	9.87
40		methyl acrylate	0.057	0.069	-21.1#	110	0.00	9.93
41		methacrylonitrile	0.193	0.180	6.7	105	0.00	10.10
42		bromochloromethane	0.260	0.257	1.2	106	0.00	10.20
43		tetrahydrofuran	0.188	0.180	4.3	112	-0.01	10.23
44		chloroform	0.856	0.794	7.2	102	0.00	10.30
45		tert-Butyl Formate	0.559	0.621	-11.1	116	0.00	10.34
46	S	dibromofluoromethane (s)	0.461	0.469	-1.7	109	0.00	10.51
47		1,1,1-trichloroethane	1.150	1.017	11.6	95	-0.01	10.58
48		cyclohexane	0.867	0.816	5.9	101	0.00	10.71
49		isobutyl alcohol		----------NA----------				
50		1,1-dichloropropene	0.559	0.545	2.5	98	0.00	10.76
51		carbon tetrachloride	1.010	0.893	11.6	94	0.00	10.80
52		tert-amyl alcohol	0.062	0.054	12.9	94	0.00	10.90
53		isopropyl acetate	0.109	0.111	-1.8	102	0.00	10.93
54	I	1,4-difluorobenzene	1.000	1.000	0.0	109	0.00	11.47
55	S	1,2-dichloroethane-d4 (s)	0.426	0.396	7.0	101	-0.01	10.95
56		n-butyl alcohol	0.017	0.016	5.9	101	0.00	11.51
57		2,2,4-trimethylpentane	1.393	1.414	-1.5	108	0.00	11.14
58		benzene	1.192	1.147	3.8	108	0.00	11.02
59		tert-amyl methyl ether	1.335	1.269	4.9	102	0.00	11.12
60		heptane	0.227	0.220	3.1	109	0.00	11.31
61		1,2-dichloroethane	0.536	0.458	14.6	96	0.00	11.05
62		ethyl acrylate	0.464	0.433	6.7	97	0.00	11.78
63		trichloroethene	0.299	0.299	0.0	106	0.00	11.79
64		2-chloroethyl vinyl ether	0.202	0.219	-8.4	110	0.00	12.62
65		methyl methacrylate	0.092	0.085	7.6	96	0.00	12.06
66		methylcyclohexane	0.726	0.635	12.5	99	0.00	12.11
67		1,2-dichloropropane	0.318	0.305	4.1	102	0.00	12.09
68		dibromomethane	0.221	0.210	5.0	103	-0.01	12.21
69		bromodichloromethane	0.498	0.445	10.6	100	0.00	12.38
70		2-nitropropane	0.128	0.103	19.5	89	0.00	12.56
71		epichlorohydrin	0.048	0.044	8.3	99	0.00	12.70
72		cis-1,3-dichloropropene	0.512	0.497	2.9	102	0.00	12.86
73		4-methyl-2-pentanone	0.172	0.166	3.5	104	0.00	12.95
74		isoamyl alcohol	0.019	0.017	10.5	97	0.00	12.96
75	I	chlorobenzene-d5	1.000	1.000	0.0	113	0.00	14.81
76	S	toluene-d8 (s)	1.182	1.222	-3.4	116	0.00	13.19
77		toluene	0.806	0.759	5.8	107	0.00	13.26
78		ethyl methacrylate	0.462	0.421	8.9	97	0.00	13.45
79		trans-1,3-dichloropropene	0.509	0.489	3.9	98	0.00	13.46
80		1,1,2-trichloroethane	0.260	0.257	1.2	107	0.00	13.70
81		tetrachloroethene	0.327	0.309	5.5	108	0.00	13.87
		----------	True	Calc.	% Drift	----------		
82		2-hexanone	80.000	75.593	5.5	97	0.00	13.86
		----------	AvgRF	CCRF	% Dev	----------		
83		1,3-dichloropropane	0.507	0.482	4.9	108	0.00	13.89
84		butyl acetate	0.259	0.248	4.2	101	0.00	13.96
85		dibromochloromethane	0.442	0.405	8.4	104	0.00	14.16
86		1,2-dibromoethane	0.375	0.381	-1.6	110	0.00	14.33
87		n-butyl ether	1.483	1.364	8.0	101	0.00	14.80
88		chlorobenzene	0.944	0.895	5.2	108	0.00	14.84
89		1,1,1,2-tetrachloroethane	0.464	0.439	5.4	104	0.00	14.92
90		ethylbenzene	1.631	1.524	6.6	106	0.00	14.91
91		m,p-xylene	0.618	0.592	4.2	103	0.00	15.04

Continuing Calibration Summary

Job Number: JD5554 **Sample:** V3B7181-CC7128
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 3B159444.D
Project: Info Tech High School, 21-16 44th Road, Long Island City, NY

92		o-xylene	1.438	1.347	6.3	105	0.00	15.47
93		styrene	0.996	0.983	1.3	103	0.00	15.48
94		butyl acrylate	0.830	0.719	13.4	93	0.00	15.28
95		n-amyl acetate	0.291	0.288	1.0	101	0.00	15.50
96		isopropylbenzene	1.894	1.771	6.5	103	0.00	15.84
97		bromoform	0.362	0.331	8.6	102	0.00	15.74
98		cis-1,4-dichloro-2-butene	0.223	0.189	15.2	88	0.00	15.87
99	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	106	0.00	17.30
100	S	4-bromofluorobenzene (s)	0.708	0.722	-2.0	108	0.00	16.07
101		1,1,2,2-tetrachloroethane	0.843	0.841	0.2	109	0.00	16.14
102		trans-1,4-dichloro-2-bute	0.239	0.217	9.2	96	0.00	16.17
103		1,2,3-trichloropropane	0.245	0.235	4.1	95	0.00	16.23
104		bromobenzene	0.709	0.676	4.7	101	0.00	16.26
105		n-propylbenzene	2.904	2.916	-0.4	106	0.00	16.29
106		2-chlorotoluene	0.662	0.654	1.2	109	0.00	16.43
107		4-chlorotoluene	1.777	1.687	5.1	99	0.00	16.55
108		1,3,5-trimethylbenzene	2.361	2.340	0.9	104	0.00	16.45
109		tert-butylbenzene	2.184	2.071	5.2	104	0.00	16.82
110		1,2,4-trimethylbenzene	2.418	2.360	2.4	102	0.00	16.87
111		sec-butylbenzene	3.206	3.233	-0.8	106	0.00	17.05
112		p-isopropyltoluene	2.785	2.850	-2.3	107	0.00	17.18
113		1,3-dichlorobenzene	1.389	1.375	1.0	102	0.00	17.23
114		1,4-dichlorobenzene	1.479	1.410	4.7	103	0.00	17.33
115		1,2-dichlorobenzene	1.576	1.527	3.1	102	0.00	17.72
116		benzyl chloride	1.833	1.854	-1.1	104	0.00	17.42
117		n-butylbenzene	1.348	1.406	-4.3	103	0.00	17.61
118		hexachloroethane	0.561	0.519	7.5	101	0.00	18.03
119		1,2-dibromo-3-chloropropa	0.374	0.332	11.2	93	0.00	18.49
120		1,3,5-trichlorobenzene	1.766	1.696	4.0	100	0.00	18.68
		----------	True	Calc.	% Drift	----------		
121		2-ethylhexyl acrylate	4.000	3.449	13.8	100	0.00	19.27
		----------	AvgRF	CCRF	% Dev	----------		
122		1,2,4-trichlorobenzene	1.764	1.818	-3.1	105	0.00	19.30
123		hexachlorobutadiene	0.826	0.754	8.7	97	0.00	19.40
124		naphthalene	4.875	4.796	1.6	98	0.00	19.59
125		1,2,3-trichlorobenzene	1.926	1.957	-1.6	103	0.00	19.80
126		2-methylnaphthalene	3.119	2.863	8.2	108	0.00	20.75
127		bis(chloromethyl)ether		----------NA----------				
128		ethylenimine		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3B158342.D M3B7128.M Fri Apr 10 02:26:27 2020

Continuing Calibration Summary

Job Number: JD5554 **Sample:** V3B7186-CC7128
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 3B159530.D
Project: Info Tech High School, 21-16 44th Road, Long Island City, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\kr...20\v3b7186\3b159530.d Vial: 2
Acq On : 14 Apr 2020 8:28 am Operator: mariceld
Sample : cc7128-20 Inst : MS3B
Misc : MS42471,V3B7186,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\M3B7128.M (RTE Integrator)
Title : SW846 8260C, Rxi624Sil MS 60m x 0.25mm x 1.4um
Last Update : Mon Feb 17 10:01:00 2020
Response via : Multiple Level 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	%Dev	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	1.000	1.000	0.0	106	0.00	7.95
2		ethanol		----------NA----------				
3		tertiary butyl alcohol	1.169	1.085	7.2	97	-0.03	8.07
4		1,4-dioxane	0.074	0.077	-4.1	109	0.00	12.14
5	I	pentafluorobenzene	1.000	1.000	0.0	103	-0.01	10.48
6		chlorodifluoromethane		----------NA----------				
7		dichlorodifluoromethane	1.494	1.417	5.2	96	0.00	4.10
8		chloromethane	1.464	1.363	6.9	97	0.00	4.52
9		vinyl chloride	1.413	1.235	12.6	88	0.00	4.79
10		1,3-butadiene	0.741	0.478	35.5#	65	0.00	4.83
11		bromomethane	0.850	0.821	3.4	99	0.00	5.49
12		chloroethane	0.510	0.491	3.7	102	0.00	5.69
13		trichlorofluoromethane	1.410	1.283	9.0	89	0.00	6.24
14		vinyl bromide	0.699	0.627	10.3	93	0.00	6.09
15		ethyl ether	0.217	0.204	6.0	89	0.00	6.70
16		2-chloropropane		----------NA----------				
17		acrolein	0.126	0.102	19.0	85	0.00	6.95
18		freon 113	0.588	0.505	14.1	84	0.00	7.20
19		1,1-dichloroethene	0.524	0.439	16.2	86	-0.01	7.17
20		acetone	0.205	0.195	4.9	95	0.00	7.17
21		acetonitrile	0.105	0.097	7.6	89	0.00	7.63
22		iodomethane	0.919	1.215	-32.2#	138	0.00	7.46
23		carbon disulfide	1.705	1.378	19.2	84	0.00	7.63
24		methylene chloride	0.541	0.508	6.1	95	0.00	7.99
25		methyl acetate	0.419	0.374	10.7	93	0.00	7.72
26		methyl tert butyl ether	1.861	1.785	4.1	97	0.00	8.42
27		trans-1,2-dichloroethene	0.455	0.424	6.8	93	0.00	8.46
28		hexane	0.318	0.252	20.8#	80	0.00	8.87
29		di-isopropyl ether	1.834	1.620	11.7	89	0.00	9.10
30		2-butanone	0.060	0.062	-3.3	98	0.00	9.80
31		1,1-dichloroethane	0.830	0.790	4.8	97	-0.01	9.09
32		chloroprene	0.703	0.595	15.4	80	0.00	9.21
33		acrylonitrile	0.201	0.177	11.9	86	0.00	8.32
34		vinyl acetate	0.080	0.074	7.5	92	0.00	9.04
35		ethyl tert-butyl ether	1.853	1.759	5.1	95	0.00	9.61
		----------	True	Calc.	% Drift	----------		
36		ethyl acetate	20.000	16.274	18.6	84	0.00	9.84
		----------	AvgRF	CCRF	% Dev	----------		
37		2,2-dichloropropane	1.076	1.073	0.3	104	0.00	9.92

Continuing Calibration Summary

Job Number: JD5554 **Sample:** V3B7186-CC7128
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 3B159530.D
Project: Info Tech High School, 21-16 44th Road, Long Island City, NY

38		cis-1,2-dichloroethene	0.473	0.470	0.6	102	0.00	9.88
39		propionitrile	0.071	0.081	-14.1	112	0.00	9.87
40		methyl acrylate	0.057	0.073	-28.1#	110	0.00	9.94
41		methacrylonitrile	0.193	0.192	0.5	106	0.00	10.10
42		bromochloromethane	0.260	0.249	4.2	97	0.00	10.20
43		tetrahydrofuran	0.188	0.163	13.3	96	-0.01	10.23
44		chloroform	0.856	0.807	5.7	98	0.00	10.30
45		tert-Butyl Formate	0.559	0.689	-23.3#	122	0.00	10.34
46	S	dibromofluoromethane (s)	0.461	0.469	-1.7	103	0.00	10.51
47		1,1,1-trichloroethane	1.150	1.069	7.0	94	-0.02	10.58
48		cyclohexane	0.867	0.787	9.2	92	0.00	10.72
49		isobutyl alcohol		----------NA----------				
50		1,1-dichloropropene	0.559	0.561	-0.4	96	0.00	10.76
51		carbon tetrachloride	1.010	0.944	6.5	94	-0.01	10.79
52		tert-amyl alcohol	0.062	0.060	3.2	99	0.00	10.90
53		isopropyl acetate	0.109	0.110	-0.9	96	0.00	10.93
54	I	1,4-difluorobenzene	1.000	1.000	0.0	102	0.00	11.47
55	S	1,2-dichloroethane-d4 (s)	0.426	0.418	1.9	100	-0.01	10.95
56		n-butyl alcohol	0.017	0.017	0.0	96	0.00	11.51
57		2,2,4-trimethylpentane	1.393	1.314	5.7	94	0.00	11.14
58		benzene	1.192	1.125	5.6	99	0.00	11.02
59		tert-amyl methyl ether	1.335	1.284	3.8	97	0.00	11.11
60		heptane	0.227	0.210	7.5	97	0.00	11.31
61		1,2-dichloroethane	0.536	0.473	11.8	93	0.00	11.05
62		ethyl acrylate	0.464	0.417	10.1	88	0.00	11.78
63		trichloroethene	0.299	0.304	-1.7	102	0.00	11.79
64		2-chloroethyl vinyl ether	0.202	0.219	-8.4	103	0.00	12.62
65		methyl methacrylate	0.092	0.086	6.5	92	0.00	12.06
66		methylcyclohexane	0.726	0.625	13.9	91	0.00	12.11
67		1,2-dichloropropane	0.318	0.313	1.6	98	0.00	12.09
68		dibromomethane	0.221	0.220	0.5	102	0.00	12.21
69		bromodichloromethane	0.498	0.468	6.0	99	0.00	12.38
70		2-nitropropane	0.128	0.121	5.5	98	0.00	12.56
71		epichlorohydrin	0.048	0.047	2.1	100	0.00	12.70
72		cis-1,3-dichloropropene	0.512	0.517	-1.0	100	0.00	12.86
73		4-methyl-2-pentanone	0.172	0.176	-2.3	104	-0.01	12.95
74		isoamyl alcohol	0.019	0.018	5.3	101	0.00	12.96
75	I	chlorobenzene-d5	1.000	1.000	0.0	107	0.00	14.81
76	S	toluene-d8 (s)	1.182	1.239	-4.8	111	0.00	13.18
77		toluene	0.806	0.761	5.6	101	0.00	13.26
78		ethyl methacrylate	0.462	0.439	5.0	96	0.00	13.45
79		trans-1,3-dichloropropene	0.509	0.517	-1.6	98	0.00	13.46
80		1,1,2-trichloroethane	0.260	0.255	1.9	101	0.00	13.70
81		tetrachloroethene	0.327	0.309	5.5	102	0.00	13.86
		----------	True	Calc.	% Drift	----------		
82		2-hexanone	80.000	78.706	1.6	96	0.00	13.86
		----------	AvgRF	CCRF	% Dev	----------		
83		1,3-dichloropropane	0.507	0.491	3.2	104	0.00	13.89
84		butyl acetate	0.259	0.262	-1.2	101	0.00	13.96
85		dibromochloromethane	0.442	0.412	6.8	100	0.00	14.16
86		1,2-dibromoethane	0.375	0.394	-5.1	107	-0.01	14.33
87		n-butyl ether	1.483	1.434	3.3	100	0.00	14.80
88		chlorobenzene	0.944	0.911	3.5	104	0.00	14.84
89		1,1,1,2-tetrachloroethane	0.464	0.450	3.0	101	0.00	14.91
90		ethylbenzene	1.631	1.547	5.2	102	0.00	14.91
91		m,p-xylene	0.618	0.606	1.9	100	0.00	15.04

Continuing Calibration Summary

Job Number: JD5554 **Sample:** V3B7186-CC7128
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 3B159530.D
Project: Info Tech High School, 21-16 44th Road, Long Island City, NY

92		o-xylene	1.438	1.394	3.1	103	0.00	15.47
93		styrene	0.996	0.981	1.5	98	0.00	15.48
94		butyl acrylate	0.830	0.733	11.7	90	0.00	15.28
95		n-amyl acetate	0.291	0.289	0.7	96	0.00	15.50
96		isopropylbenzene	1.894	1.892	0.1	104	0.00	15.84
97		bromoform	0.362	0.338	6.6	98	0.00	15.74
98		cis-1,4-dichloro-2-butene	0.223	0.222	0.4	98	0.00	15.87
99	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	103	0.00	17.30
100	S	4-bromofluorobenzene (s)	0.708	0.713	-0.7	104	0.00	16.06
101		1,1,2,2-tetrachloroethane	0.843	0.818	3.0	103	0.00	16.14
102		trans-1,4-dichloro-2-bute	0.239	0.250	-4.6	107	0.00	16.17
103		1,2,3-trichloropropane	0.245	0.232	5.3	91	0.00	16.23
104		bromobenzene	0.709	0.684	3.5	100	0.00	16.26
105		n-propylbenzene	2.904	2.944	-1.4	104	0.00	16.29
106		2-chlorotoluene	0.662	0.665	-0.5	108	0.00	16.43
107		4-chlorotoluene	1.777	1.761	0.9	101	0.00	16.55
108		1,3,5-trimethylbenzene	2.361	2.416	-2.3	104	0.00	16.45
109		tert-butylbenzene	2.184	2.108	3.5	103	0.00	16.82
110		1,2,4-trimethylbenzene	2.418	2.384	1.4	100	0.00	16.87
111		sec-butylbenzene	3.206	3.345	-4.3	107	0.00	17.05
112		p-isopropyltoluene	2.785	2.902	-4.2	106	0.00	17.18
113		1,3-dichlorobenzene	1.389	1.382	0.5	99	0.00	17.23
114		1,4-dichlorobenzene	1.479	1.452	1.8	103	0.00	17.33
115		1,2-dichlorobenzene	1.576	1.556	1.3	101	0.00	17.72
116		benzyl chloride	1.833	1.992	-8.7	108	0.00	17.42
117		n-butylbenzene	1.348	1.433	-6.3	102	0.00	17.61
118		hexachloroethane	0.561	0.541	3.6	102	0.00	18.03
119		1,2-dibromo-3-chloropropa	0.374	0.354	5.3	97	0.00	18.48
120		1,3,5-trichlorobenzene	1.766	1.734	1.8	100	0.00	18.68
		----------	True	Calc.	% Drift	----------		
121		2-ethylhexyl acrylate	4.000	3.328	16.8	92	0.00	19.27
		----------	AvgRF	CCRF	% Dev	----------		
122		1,2,4-trichlorobenzene	1.764	1.833	-3.9	103	0.00	19.30
123		hexachlorobutadiene	0.826	0.768	7.0	96	0.00	19.40
124		naphthalene	4.875	4.987	-2.3	99	-0.01	19.58
125		1,2,3-trichlorobenzene	1.926	2.016	-4.7	103	0.00	19.80
126		2-methylnaphthalene	3.119	2.828	9.3	104	-0.01	20.74
127		bis(chloromethyl)ether		----------NA----------				
128		ethylenimine		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3B158342.D M3B7128.M Wed Apr 15 04:43:34 2020

Run Sequence Report

Job Number: JD5554
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Info Tech High School, 21-16 44th Road, Long Island City, NY

Run ID: V3B7128	**Method:** SW846 8260C	**Instrument ID:** GCMS3B

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V3B7128-BFB	3B158335.D	02/16/20 12:16	n/a	BFB Tune
V3B7128-IC7128	3B158336.D	02/16/20 12:54	n/a	Initial cal 0.2
V3B7128-IC7128	3B158337.D	02/16/20 13:22	n/a	Initial cal 0.5
V3B7128-IC7128	3B158338.D	02/16/20 13:50	n/a	Initial cal 1
V3B7128-IC7128	3B158339.D	02/16/20 14:19	n/a	Initial cal 2
V3B7128-IC7128	3B158340.D	02/16/20 14:47	n/a	Initial cal 4
V3B7128-IC7128	3B158341.D	02/16/20 15:16	n/a	Initial cal 8
V3B7128-IC7128	3B158342.D	02/16/20 15:44	n/a	Initial cal 20
V3B7128-ICC7128	3B158343.D	02/16/20 16:12	n/a	Initial cal 50
V3B7128-IC7128	3B158344.D	02/16/20 16:41	n/a	Initial cal 100
V3B7128-IC7128	3B158345.D	02/16/20 17:09	n/a	Initial cal 200
V3B7128-ICV7128	3B158348.D	02/16/20 18:35	n/a	Initial cal verification 50
V3B7128-ICV7128	3B158349.D	02/16/20 19:04	n/a	Initial cal verification 50

Run Sequence Report

Job Number: JD5554
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Info Tech High School, 21-16 44th Road, Long Island City, NY

Run ID: V3B7181	**Method:** SW846 8260C	**Instrument ID:** GCMS3B

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V3B7181-BFB	3B159444.D	04/09/20 08:22	n/a	BFB Tune
V3B7181-CC7128	3B159444.D	04/09/20 08:22	n/a	Continuing cal 20
V3B7181-BS	3B159445.D	04/09/20 08:58	n/a	Blank Spike
V3B7181-MB	3B159447.D	04/09/20 09:56	n/a	Method Blank
JD5554-6	3B159448.D	04/09/20 10:35	n/a	MW-7
ZZZZZZ	3B159449.D	04/09/20 11:04	n/a	(unrelated sample)
ZZZZZZ	3B159450.D	04/09/20 11:32	n/a	(unrelated sample)
ZZZZZZ	3B159451.D	04/09/20 12:01	n/a	(unrelated sample)
JD5554-6MS	3B159452.D	04/09/20 12:30	n/a	Matrix Spike
JD5554-6MSD	3B159453.D	04/09/20 12:59	n/a	Matrix Spike Duplicate
ZZZZZZ	3B159454.D	04/09/20 13:27	n/a	(unrelated sample)
JD5554-10	3B159455.D	04/09/20 13:56	n/a	TRIP BLANK-1
JD5554-11	3B159456.D	04/09/20 14:24	n/a	FIELD BLANK-1
ZZZZZZ	3B159457.D	04/09/20 14:52	n/a	(unrelated sample)
JD5554-2	3B159458.D	04/09/20 15:21	n/a	BMRW-1
JD5554-5	3B159459.D	04/09/20 15:49	n/a	MW-6
JD5554-7	3B159460.D	04/09/20 16:18	n/a	MW-8
JD5554-8	3B159461.D	04/09/20 16:47	n/a	MW-9
JD5554-9	3B159462.D	04/09/20 17:15	n/a	RW-1
JD5554-3	3B159463.D	04/09/20 17:44	n/a	BMRW-2
JD5554-4	3B159464.D	04/09/20 18:12	n/a	BMRW-3
JD5554-1	3B159465.D	04/09/20 18:41	n/a	MW-1
JD5554-12	3B159466.D	04/09/20 19:10	n/a	MW-1 DUP
JD5554-1	3B159467.D	04/09/20 19:38	n/a	MW-1
JD5554-12	3B159468.D	04/09/20 20:07	n/a	MW-1 DUP

Run Sequence Report

Job Number: JD5554
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Info Tech High School, 21-16 44th Road, Long Island City, NY

Run ID: V3B7186	**Method:** SW846 8260C	**Instrument ID:** GCMS3B

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V3B7186-BFB	3B159530.D	04/14/20 08:28	n/a	BFB Tune
V3B7186-CC7128	3B159530.D	04/14/20 08:28	n/a	Continuing cal 20
V3B7186-BS	3B159531.D	04/14/20 09:02	n/a	Blank Spike
V3B7186-MB	3B159533.D	04/14/20 09:58	n/a	Method Blank
ZZZZZZ	3B159534.D	04/14/20 10:33	n/a	(unrelated sample)
JD5742-25	3B159535.D	04/14/20 11:01	n/a	(used for QC only; not part of job JD5554)
ZZZZZZ	3B159536.D	04/14/20 11:29	n/a	(unrelated sample)
JD5554-4	3B159537.D	04/14/20 11:58	n/a	BMRW-3
JD5742-25MS	3B159538.D	04/14/20 12:26	n/a	Matrix Spike
JD5742-25MSD	3B159539.D	04/14/20 12:54	n/a	Matrix Spike Duplicate
ZZZZZZ	3B159541.D	04/14/20 13:50	n/a	(unrelated sample)
ZZZZZZ	3B159542.D	04/14/20 14:19	n/a	(unrelated sample)
ZZZZZZ	3B159543.D	04/14/20 14:47	n/a	(unrelated sample)
ZZZZZZ	3B159544.D	04/14/20 15:15	n/a	(unrelated sample)
ZZZZZZ	3B159545.D	04/14/20 15:44	n/a	(unrelated sample)
ZZZZZZ	3B159546.D	04/14/20 16:13	n/a	(unrelated sample)
ZZZZZZ	3B159547.D	04/14/20 16:42	n/a	(unrelated sample)
ZZZZZZ	3B159548.D	04/14/20 17:10	n/a	(unrelated sample)
ZZZZZZ	3B159549.D	04/14/20 17:38	n/a	(unrelated sample)
ZZZZZZ	3B159550.D	04/14/20 18:07	n/a	(unrelated sample)
ZZZZZZ	3B159551.D	04/14/20 18:35	n/a	(unrelated sample)
ZZZZZZ	3B159552.D	04/14/20 19:04	n/a	(unrelated sample)
ZZZZZZ	3B159553.D	04/14/20 19:32	n/a	(unrelated sample)
ZZZZZZ	3B159554.D	04/14/20 20:01	n/a	(unrelated sample)

MS Volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\davem1\04-10-20\v3b7181\
Data File : 3b159465.d
Acq On : 9 Apr 2020 6:41 pm
Operator : krizhkac
Sample : jd5554-1 Inst : MS3B
Misc : MS42336,V3B7181,5,,,,100
ALS Vial : 23 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3B7128.M
Quant Results File: M3B7128.RES
Quant Time: Apr 10 02:52:12 2020
Quant Title : SW846 8260C, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Mon Feb 17 09:28:37 2020
Response via : Initial Calibration

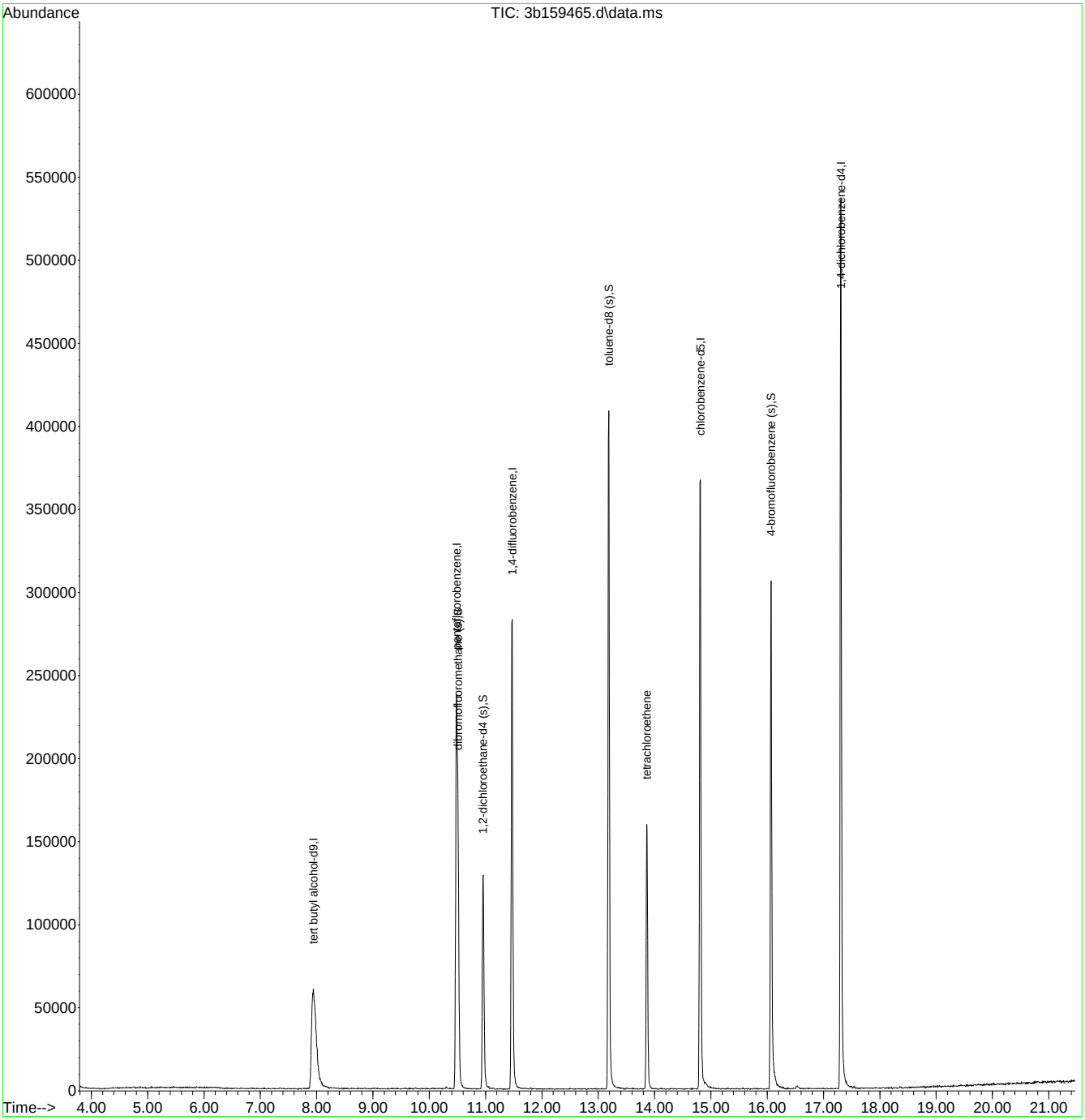
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	7.940	65	197920	500.00	ug/L	-0.01
5) pentafluorobenzene	10.482	168	172333	50.00	ug/L	0.00
54) 1,4-difluorobenzene	11.470	114	251205	50.00	ug/L	0.00
75) chlorobenzene-d5	14.813	117	231850	50.00	ug/L	0.00
99) 1,4-dichlorobenzene-d4	17.307	152	156232	50.00	ug/L	0.00
System Monitoring Compounds						
46) dibromofluoromethane (s)	10.508	113	87497	55.06	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 110.12%			
55) 1,2-dichloroethane-d4 (s)	10.953	65	108100	50.49	ug/L	-0.01
Spiked Amount 50.000	Range 81 - 124		Recovery = 100.98%			
76) toluene-d8 (s)	13.186	98	287163	52.38	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 104.76%			
100) 4-bromofluorobenzene (s)	16.068	95	109770	49.63	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 99.26%			
Target Compounds						Qvalue
81) tetrachloroethene	13.861	164	40427	26.66	ug/L	97

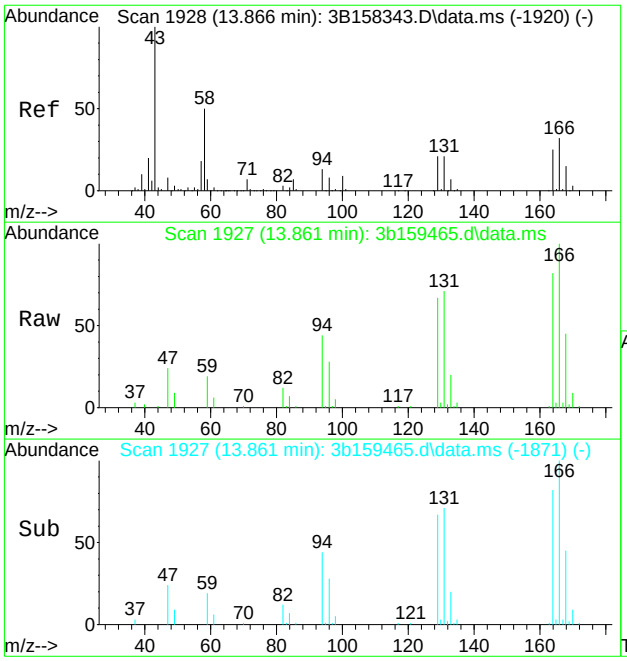
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\davem1\04-10-20\v3b7181\
Data File : 3b159465.d
Acq On : 9 Apr 2020 6:41 pm
Operator : krizhkac
Sample : jd5554-1 Inst : MS3B
Misc : MS42336,V3B7181,5,,,,100
ALS Vial : 23 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3B7128.M
Quant Results File: M3B7128.RES
Quant Time: Apr 10 02:52:12 2020
Quant Title : SW846 8260C, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Mon Feb 17 09:28:37 2020
Response via : Initial Calibration

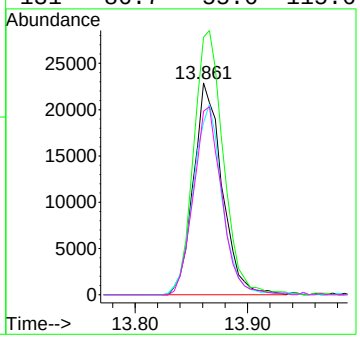




#81
tetrachloroethene
Concen: 26.66 ug/L
RT: 13.861 min Scan# 1927
Delta R.T. -0.005 min
Lab File: 3b159465.d
Acq: 9 Apr 2020 6:41 pm

Tgt Ion:164 Resp: 40427

Ion	Ratio	Lower	Upper
164	100		
166	121.6	96.6	156.6
129	81.3	55.2	115.2
131	86.7	55.6	115.6



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\davem1\04-10-20\v3b7181\
Data File : 3b159467.d
Acq On : 9 Apr 2020 7:38 pm
Operator : krizhkac
Sample : jd5554-1 Inst : MS3B
Misc : MS42336,V3B7181,5,,,,10
ALS Vial : 25 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3B7128.M
Quant Results File: M3B7128.RES
Quant Time: Apr 10 02:53:16 2020
Quant Title : SW846 8260C, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Mon Feb 17 09:28:37 2020
Response via : Initial Calibration

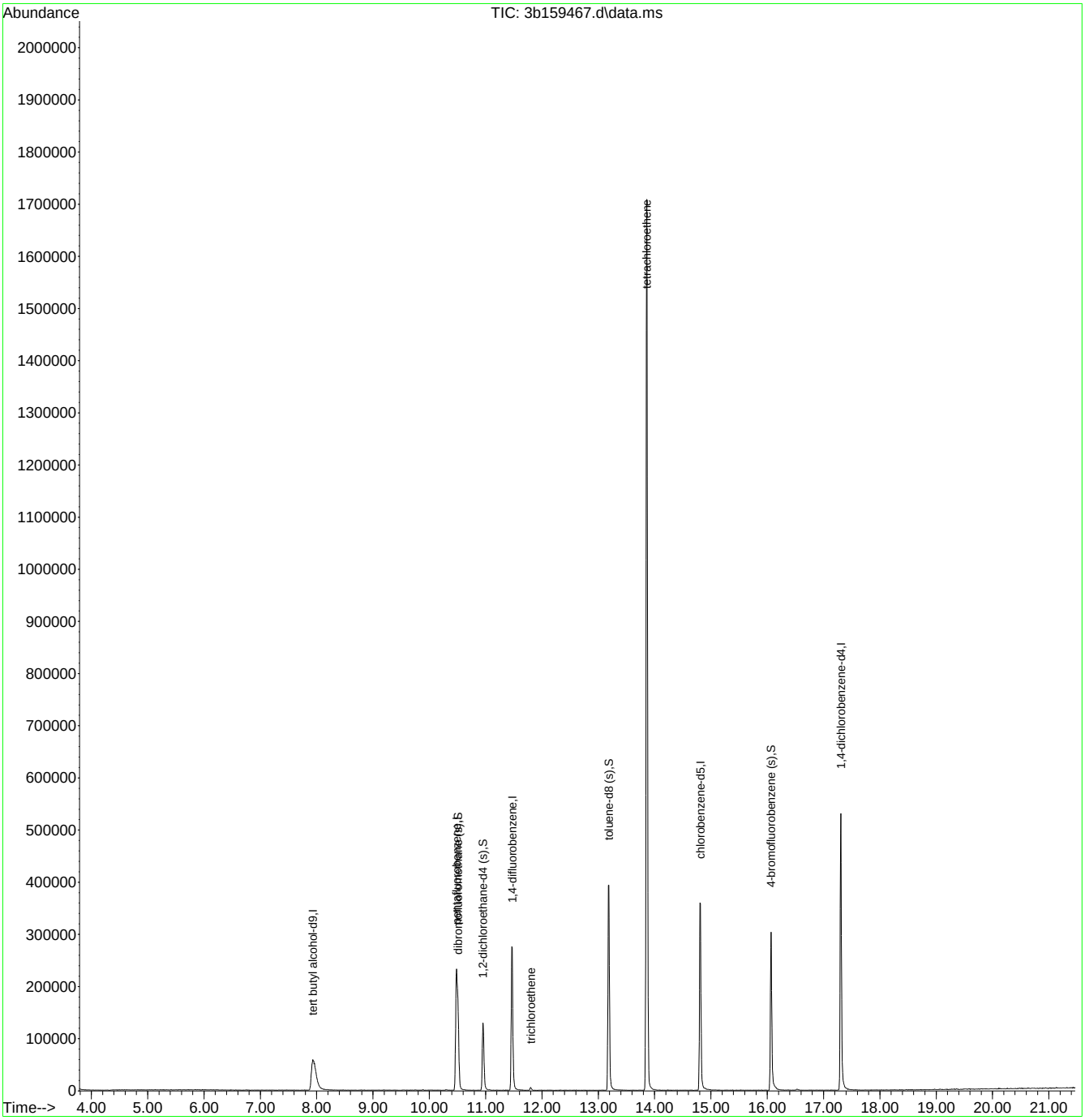
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	7.935	65	193513	500.00	ug/L	-0.02
5) pentafluorobenzene	10.482	168	170874	50.00	ug/L	0.00
54) 1,4-difluorobenzene	11.470	114	246810	50.00	ug/L	0.00
75) chlorobenzene-d5	14.812	117	226499	50.00	ug/L	0.00
99) 1,4-dichlorobenzene-d4	17.307	152	155702	50.00	ug/L	0.00
System Monitoring Compounds						
46) dibromofluoromethane (s)	10.508	113	86701	55.02	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 110.04%			
55) 1,2-dichloroethane-d4 (s)	10.953	65	107618	51.16	ug/L	-0.01
Spiked Amount 50.000	Range 81 - 124		Recovery = 102.32%			
76) toluene-d8 (s)	13.186	98	282221	52.70	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 105.40%			
100) 4-bromofluorobenzene (s)	16.068	95	108958	49.43	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 98.86%			
Target Compounds						Qvalue
63) trichloroethene	11.805	95	2002	1.36	ug/L	90
81) tetrachloroethene	13.861	164	409103	276.20	ug/L	98

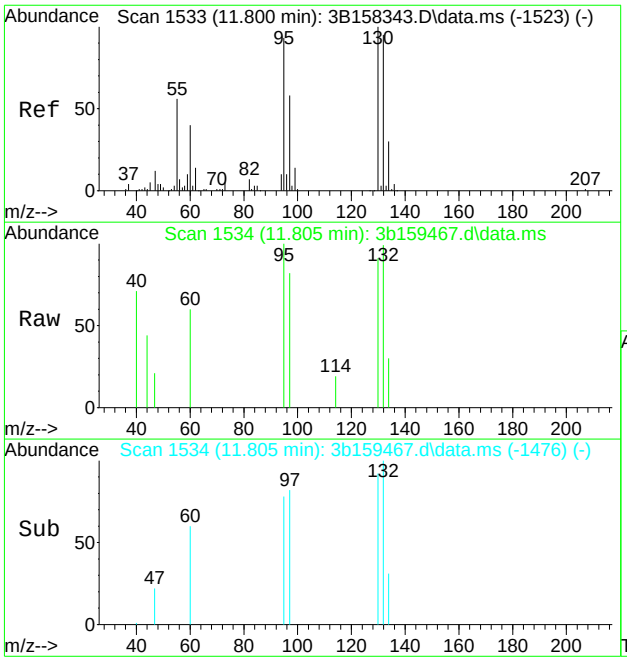
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\davem1\04-10-20\v3b7181\
Data File : 3b159467.d
Acq On : 9 Apr 2020 7:38 pm
Operator : krizhkac
Sample : jd5554-1 Inst : MS3B
Misc : MS42336,V3B7181,5,,,,10
ALS Vial : 25 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3B7128.M
Quant Results File: M3B7128.RES
Quant Time: Apr 10 02:53:16 2020
Quant Title : SW846 8260C, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Mon Feb 17 09:28:37 2020
Response via : Initial Calibration

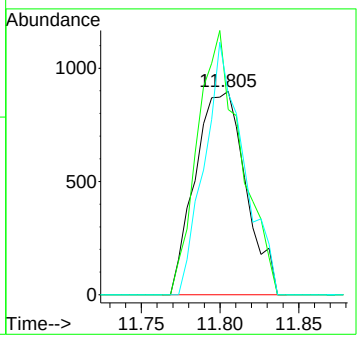


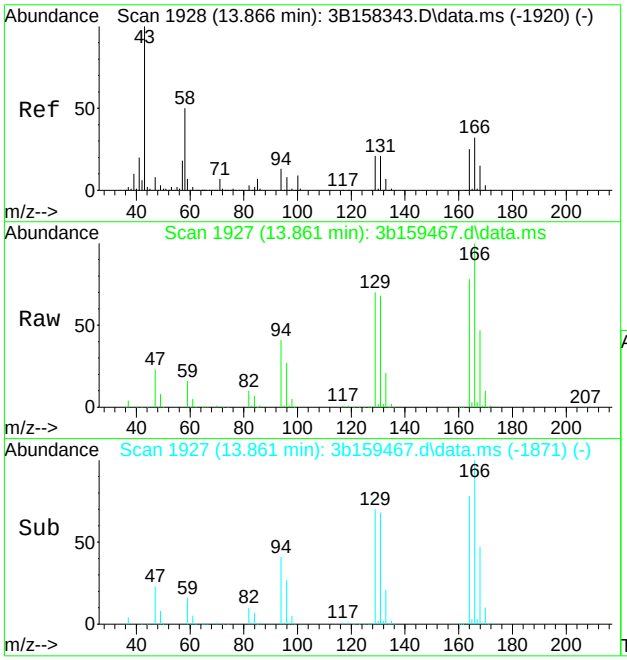


#63
trichloroethene
Concen: 1.36 ug/L
RT: 11.805 min Scan# 1534
Delta R.T. 0.005 min
Lab File: 3b159467.d
Acq: 9 Apr 2020 7:38 pm

Tgt Ion: 95 Resp: 2002

Ion	Ratio	Lower	Upper
95	100		
130	91.1	78.0	138.0
132	98.9	72.8	132.8

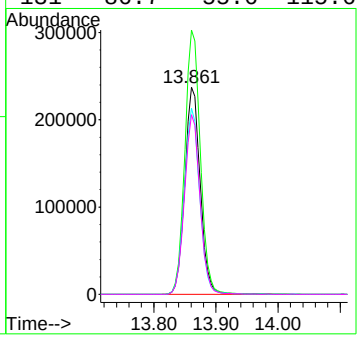




#81
tetrachloroethene
Concen: 276.20 ug/L
RT: 13.861 min Scan# 1927
Delta R.T. -0.005 min
Lab File: 3b159467.d
Acq: 9 Apr 2020 7:38 pm

Tgt Ion:164 Resp: 409103

Ion	Ratio	Lower	Upper
164	100		
166	127.6	96.6	156.6
129	89.8	55.2	115.2
131	86.7	55.6	115.6



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\davem1\04-10-20\v3b7181\
Data File : 3b159458.d
Acq On : 9 Apr 2020 3:21 pm
Operator : krizhkac
Sample : jd5554-2 Inst : MS3B
Misc : MS42336,V3B7181,5,,,,1
ALS Vial : 16 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3B7128.M
Quant Results File: M3B7128.RES
Quant Time: Apr 10 02:47:50 2020
Quant Title : SW846 8260C, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Mon Feb 17 10:01:00 2020
Response via : Initial Calibration

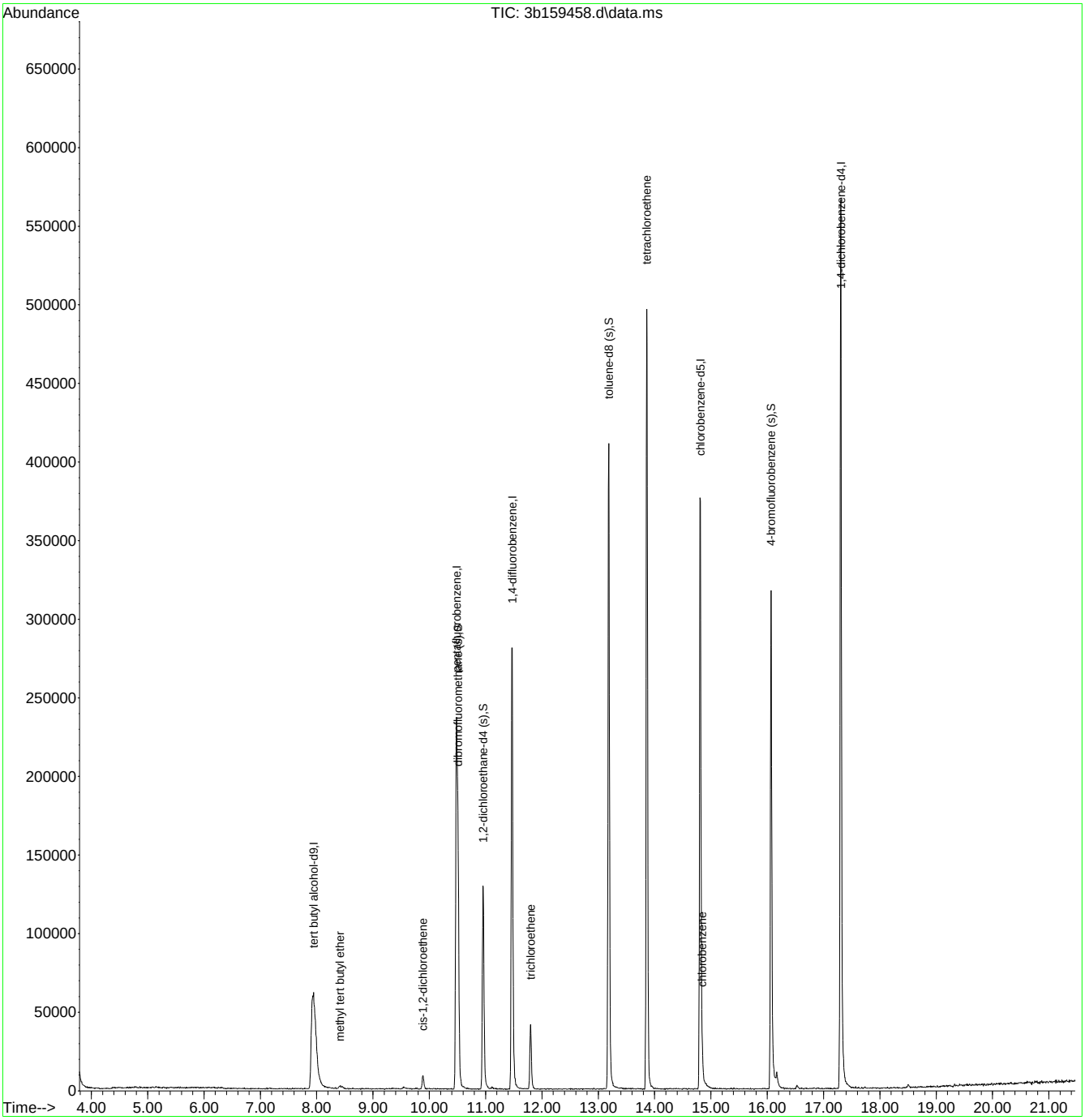
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	7.945	65	206457	500.00	ug/L	0.00
5) pentafluorobenzene	10.482	168	174948	50.00	ug/L	0.00
54) 1,4-difluorobenzene	11.470	114	252643	50.00	ug/L	0.00
75) chlorobenzene-d5	14.813	117	237722	50.00	ug/L	0.00
99) 1,4-dichlorobenzene-d4	17.307	152	159499	50.00	ug/L	0.00
System Monitoring Compounds						
46) dibromofluoromethane (s)	10.508	113	87740	54.38	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 108.76%			
55) 1,2-dichloroethane-d4 (s)	10.958	65	104492	48.52	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 97.04%			
76) toluene-d8 (s)	13.186	98	286344	50.94	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 101.88%			
100) 4-bromofluorobenzene (s)	16.068	95	112317	49.74	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 99.48%			
Target Compounds						Qvalue
26) methyl tert butyl ether	8.411	73	3909	0.60	ug/L	95
38) cis-1,2-dichloroethene	9.886	96	4704	2.84	ug/L	90
63) trichloroethene	11.800	95	14513	9.62	ug/L	95
81) tetrachloroethene	13.861	164	122714	78.94	ug/L	96
88) chlorobenzene	14.844	112	7921	1.76	ug/L	94

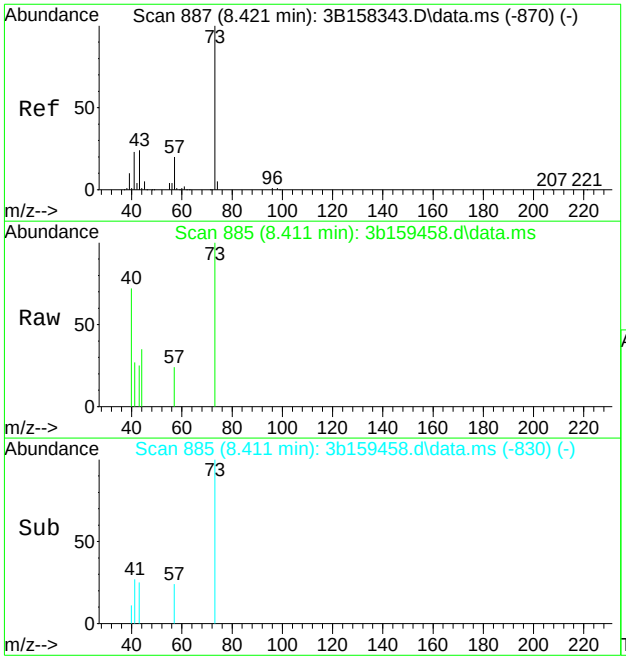
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\davem1\04-10-20\v3b7181\
Data File : 3b159458.d
Acq On : 9 Apr 2020 3:21 pm
Operator : krizhkac
Sample : jd5554-2 Inst : MS3B
Misc : MS42336,V3B7181,5,,,,1
ALS Vial : 16 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3B7128.M
Quant Results File: M3B7128.RES
Quant Time: Apr 10 02:47:50 2020
Quant Title : SW846 8260C, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Mon Feb 17 10:01:00 2020
Response via : Initial Calibration

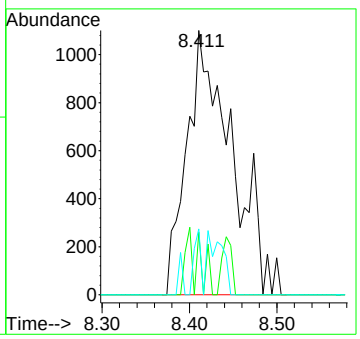


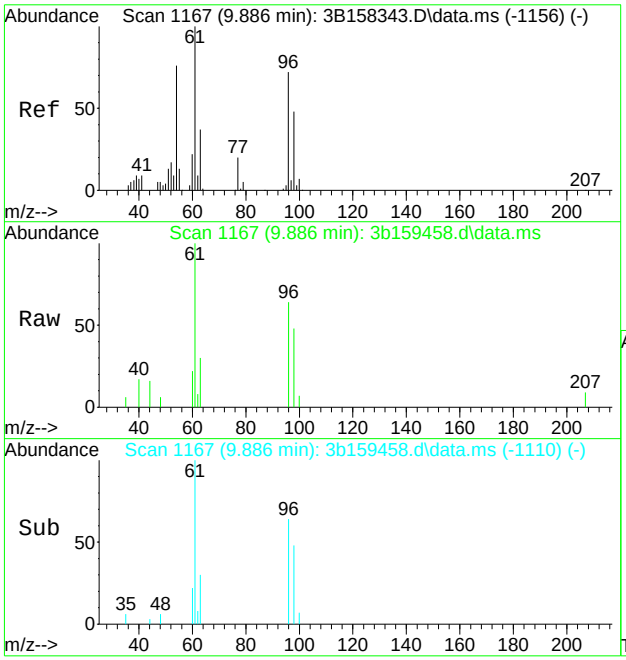


#26
methyl tert butyl ether
Concen: 0.60 ug/L
RT: 8.411 min Scan# 885
Delta R.T. -0.010 min
Lab File: 3b159458.d
Acq: 9 Apr 2020 3:21 pm

Tgt Ion: 73 Resp: 3909

Ion	Ratio	Lower	Upper
73	100		
57	23.7	0.0	50.3
43	25.0	0.0	53.9

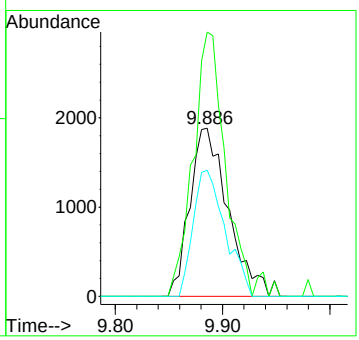


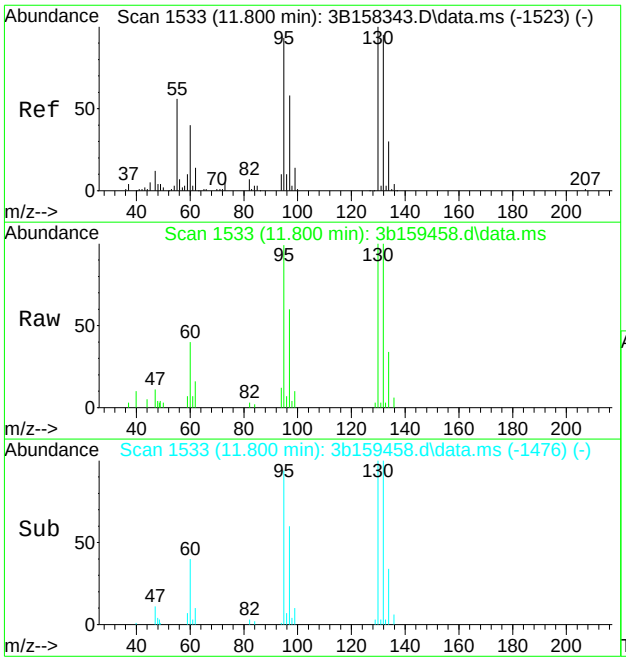


#38
cis-1,2-dichloroethene
Concen: 2.84 ug/L
RT: 9.886 min Scan# 1167
Delta R.T. -0.000 min
Lab File: 3b159458.d
Acq: 9 Apr 2020 3:21 pm

Tgt Ion: 96 Resp: 4704

Ion	Ratio	Lower	Upper
96	100		
61	157.4	115.3	175.3
98	75.1	36.1	96.1

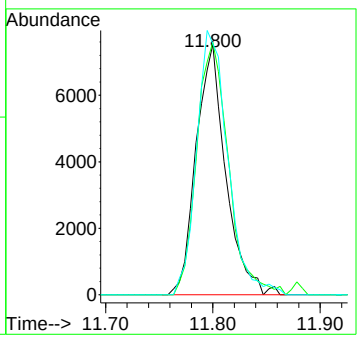


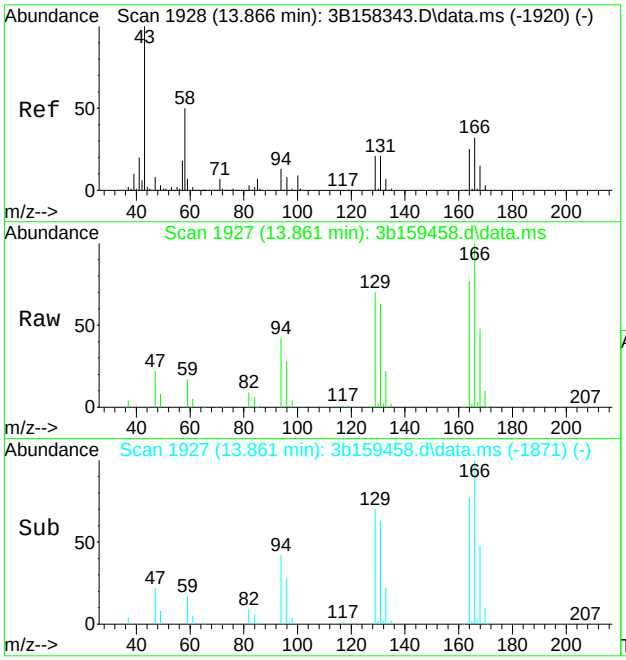


#63
trichloroethene
Concen: 9.62 ug/L
RT: 11.800 min Scan# 1533
Delta R.T. -0.000 min
Lab File: 3b159458.d
Acq: 9 Apr 2020 3:21 pm

Tgt Ion: 95 Resp: 14513

Ion	Ratio	Lower	Upper
95	100		
130	100.8	78.0	138.0
132	100.3	72.8	132.8

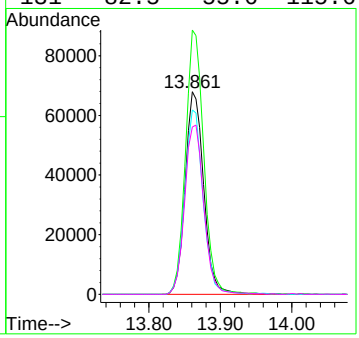


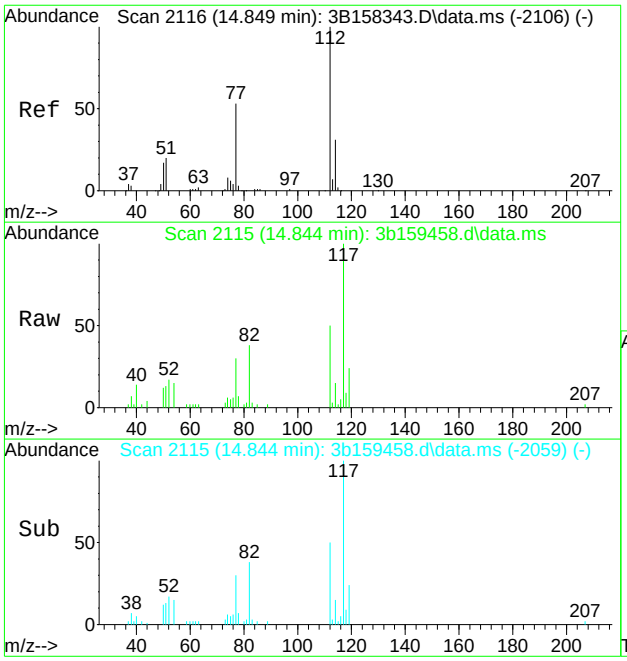


#81
tetrachloroethene
Concen: 78.94 ug/L
RT: 13.861 min Scan# 1927
Delta R.T. -0.005 min
Lab File: 3b159458.d
Acq: 9 Apr 2020 3:21 pm

Tgt Ion:164 Resp: 122714

Ion	Ratio	Lower	Upper
164	100		
166	130.4	96.6	156.6
129	90.9	55.2	115.2
131	82.5	55.6	115.6

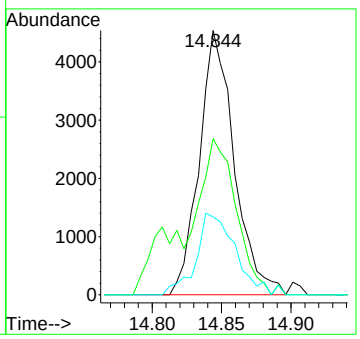




#88
chlorobenzene
Concen: 1.76 ug/L
RT: 14.844 min Scan# 2115
Delta R.T. -0.005 min
Lab File: 3b159458.d
Acq: 9 Apr 2020 3:21 pm

Tgt Ion:112 Resp: 7921

Ion	Ratio	Lower	Upper
112	100		
77	59.1	22.9	82.9
114	29.5	0.7	60.7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\davem1\04-10-20\v3b7181\
Data File : 3b159463.d
Acq On : 9 Apr 2020 5:44 pm
Operator : krizhkac
Sample : jd5554-3 Inst : MS3B
Misc : MS42336,V3B7181,5,,,,5
ALS Vial : 21 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3B7128.M
Quant Results File: M3B7128.RES
Quant Time: Apr 10 02:51:06 2020
Quant Title : SW846 8260C, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Mon Feb 17 09:28:37 2020
Response via : Initial Calibration

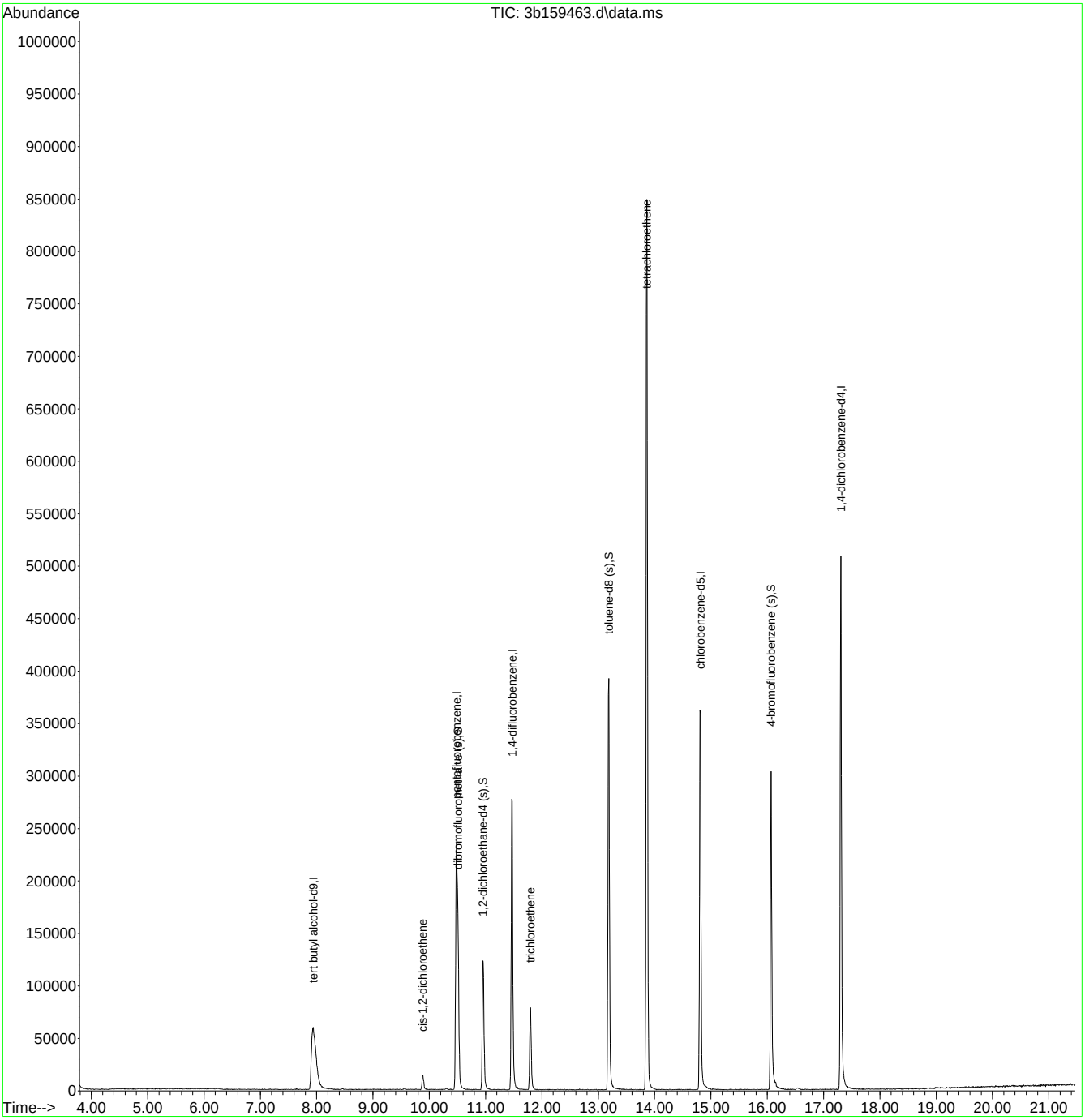
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	7.940	65	191922	500.00	ug/L	-0.01
5) pentafluorobenzene	10.482	168	170770	50.00	ug/L	0.00
54) 1,4-difluorobenzene	11.470	114	240847	50.00	ug/L	0.00
75) chlorobenzene-d5	14.813	117	224650	50.00	ug/L	0.00
99) 1,4-dichlorobenzene-d4	17.307	152	149854	50.00	ug/L	0.00
System Monitoring Compounds						
46) dibromofluoromethane (s)	10.508	113	83367	52.94	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 105.88%			
55) 1,2-dichloroethane-d4 (s)	10.953	65	102161	49.77	ug/L	-0.01
Spiked Amount 50.000	Range 81 - 124		Recovery = 99.54%			
76) toluene-d8 (s)	13.186	98	272893	51.38	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 102.76%			
100) 4-bromofluorobenzene (s)	16.068	95	108476	51.13	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 102.26%			
Target Compounds						Qvalue
38) cis-1,2-dichloroethene	9.880	96	6814	4.22	ug/L	84
63) trichloroethene	11.795	95	26915	18.71	ug/L	96
81) tetrachloroethene	13.861	164	209560	142.65	ug/L	99

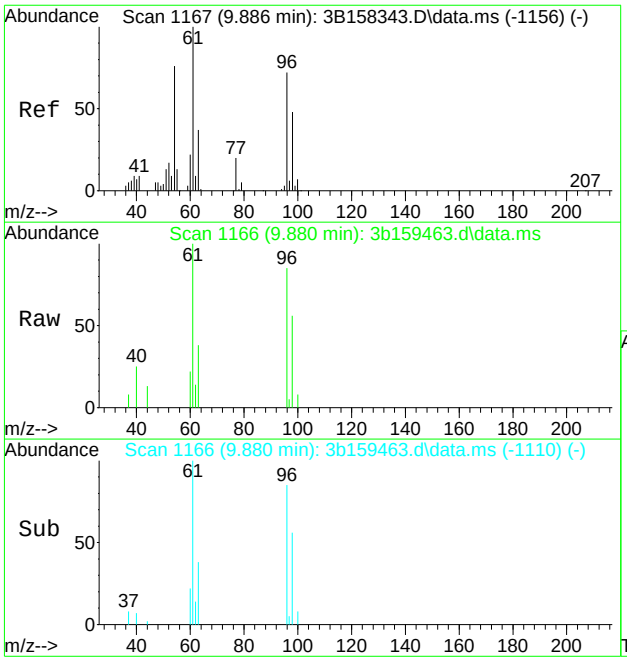
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\davem1\04-10-20\v3b7181\
Data File : 3b159463.d
Acq On : 9 Apr 2020 5:44 pm
Operator : krizhkac
Sample : jd5554-3 Inst : MS3B
Misc : MS42336,V3B7181,5,,,,5
ALS Vial : 21 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3B7128.M
Quant Results File: M3B7128.RES
Quant Time: Apr 10 02:51:06 2020
Quant Title : SW846 8260C, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Mon Feb 17 09:28:37 2020
Response via : Initial Calibration

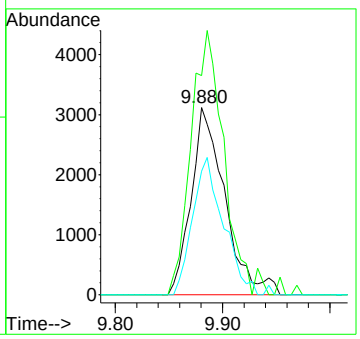


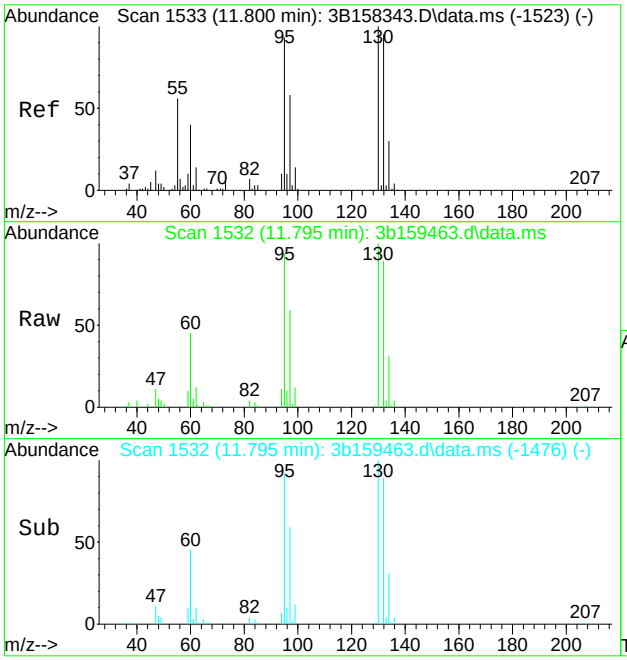


#38
cis-1,2-dichloroethene
Concen: 4.22 ug/L
RT: 9.880 min Scan# 1166
Delta R.T. -0.006 min
Lab File: 3b159463.d
Acq: 9 Apr 2020 5:44 pm

Tgt Ion: 96 Resp: 6814

Ion	Ratio	Lower	Upper
96	100		
61	117.1	115.3	175.3
98	66.1	36.1	96.1

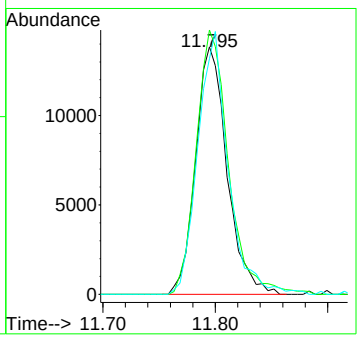


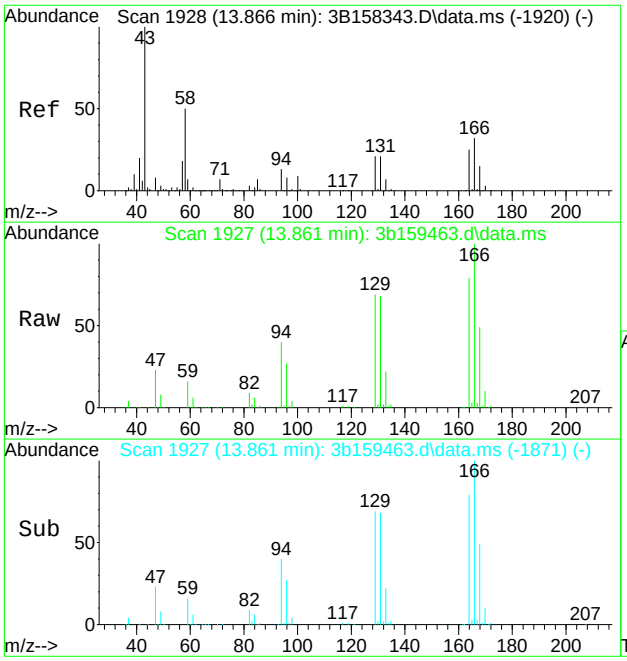


#63
trichloroethene
Concen: 18.71 ug/L
RT: 11.795 min Scan# 1532
Delta R.T. -0.005 min
Lab File: 3b159463.d
Acq: 9 Apr 2020 5:44 pm

Tgt Ion: 95 Resp: 26915

Ion	Ratio	Lower	Upper
95	100		
130	106.8	78.0	138.0
132	95.2	72.8	132.8

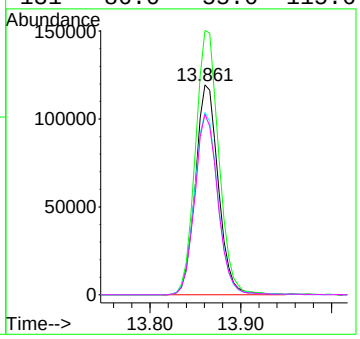




#81
tetrachloroethene
Concen: 142.65 ug/L
RT: 13.861 min Scan# 1927
Delta R.T. -0.005 min
Lab File: 3b159463.d
Acq: 9 Apr 2020 5:44 pm

Tgt Ion:164 Resp: 209560

Ion	Ratio	Lower	Upper
164	100		
166	125.9	96.6	156.6
129	87.0	55.2	115.2
131	86.0	55.6	115.6



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\davem1\04-10-20\v3b7181\
Data File : 3b159464.d
Acq On : 9 Apr 2020 6:12 pm
Operator : krizhkac
Sample : jd5554-4 Inst : MS3B
Misc : MS42336,V3B7181,5,,,,5
ALS Vial : 22 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3B7128.M
Quant Results File: M3B7128.RES
Quant Time: Apr 10 02:51:41 2020
Quant Title : SW846 8260C, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Mon Feb 17 09:28:37 2020
Response via : Initial Calibration

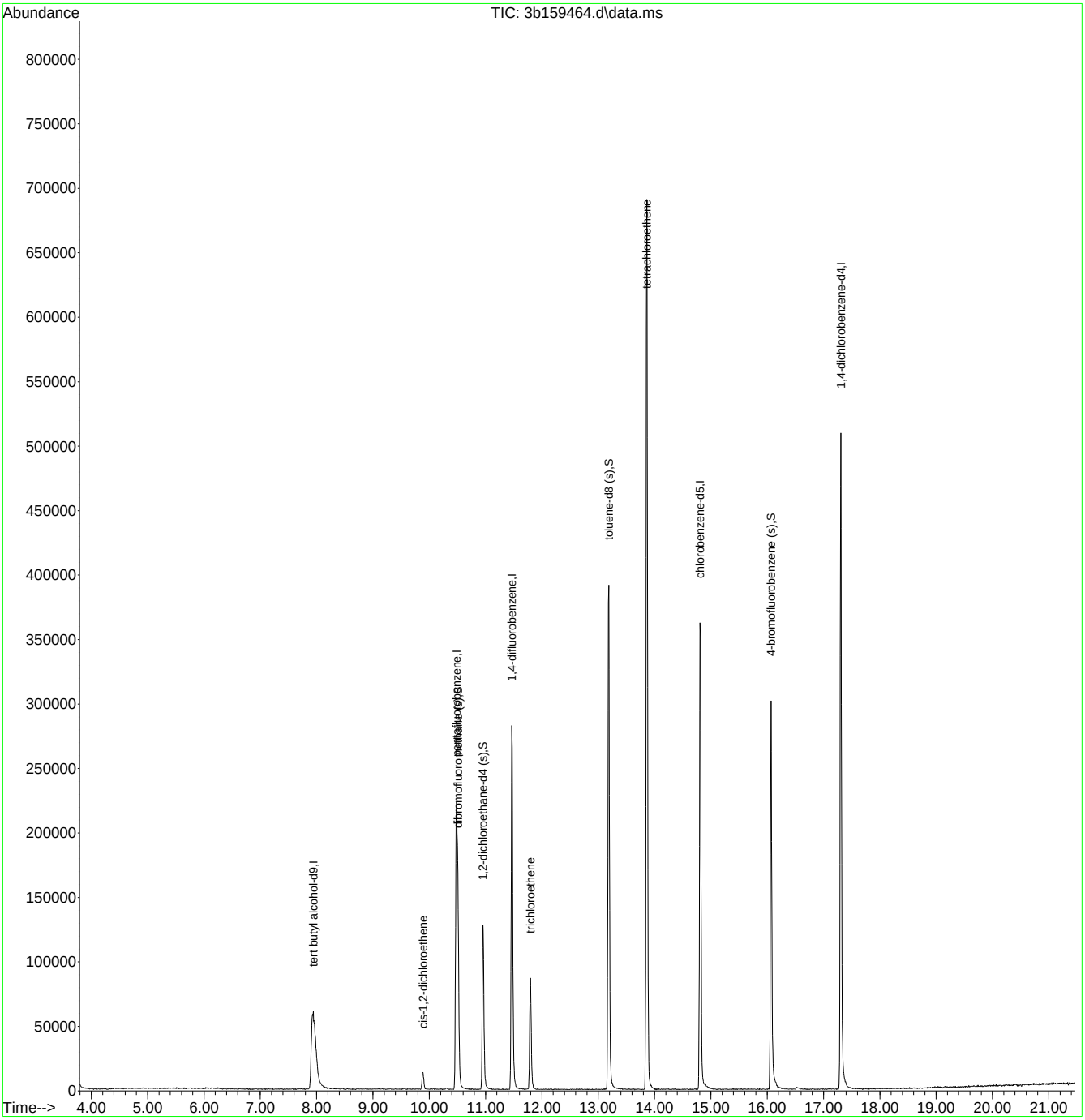
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	7.940	65	196576	500.00	ug/L	-0.01
5) pentafluorobenzene	10.482	168	164457	50.00	ug/L	0.00
54) 1,4-difluorobenzene	11.465	114	243708	50.00	ug/L	0.00
75) chlorobenzene-d5	14.808	117	227030	50.00	ug/L	0.00
99) 1,4-dichlorobenzene-d4	17.308	152	150041	50.00	ug/L	0.00
System Monitoring Compounds						
46) dibromofluoromethane (s)	10.508	113	82563	54.44	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 108.88%			
55) 1,2-dichloroethane-d4 (s)	10.953	65	102754	49.47	ug/L	-0.01
Spiked Amount 50.000	Range 81 - 124		Recovery = 98.94%			
76) toluene-d8 (s)	13.186	98	276600	51.53	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 103.06%			
100) 4-bromofluorobenzene (s)	16.068	95	107190	50.46	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.92%			
Target Compounds						Qvalue
38) cis-1,2-dichloroethene	9.891	96	7112	4.57	ug/L	89
63) trichloroethene	11.795	95	30234	20.77	ug/L	96
81) tetrachloroethene	13.861	164	173036	116.55	ug/L	97

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

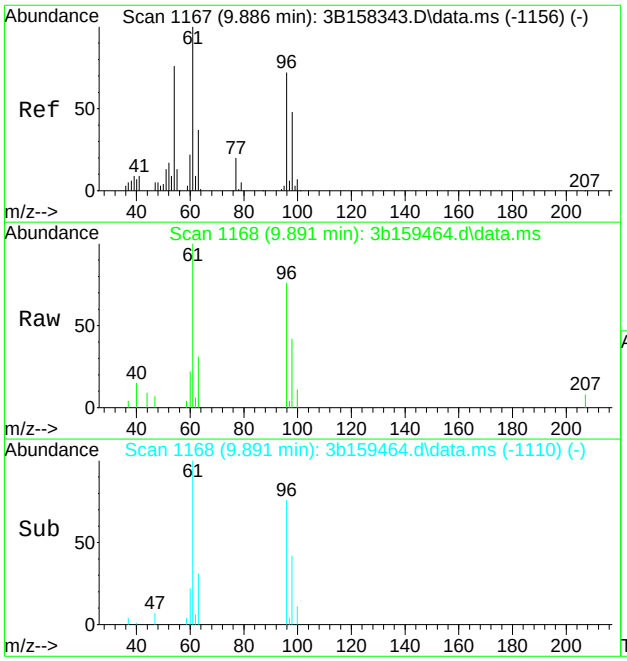
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\davem1\04-10-20\v3b7181\
Data File : 3b159464.d
Acq On : 9 Apr 2020 6:12 pm
Operator : krizhkac
Sample : jd5554-4 Inst : MS3B
Misc : MS42336,V3B7181,5,,,,5
ALS Vial : 22 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3B7128.M
Quant Results File: M3B7128.RES
Quant Time: Apr 10 02:51:41 2020
Quant Title : SW846 8260C, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Mon Feb 17 09:28:37 2020
Response via : Initial Calibration



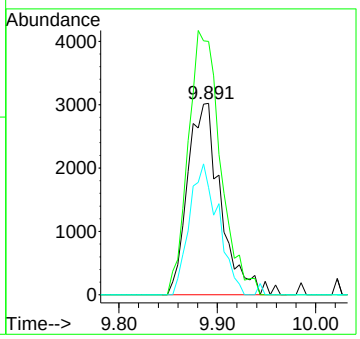
M3B7128.M Fri Apr 10 02:56:32 2020 Page: 2

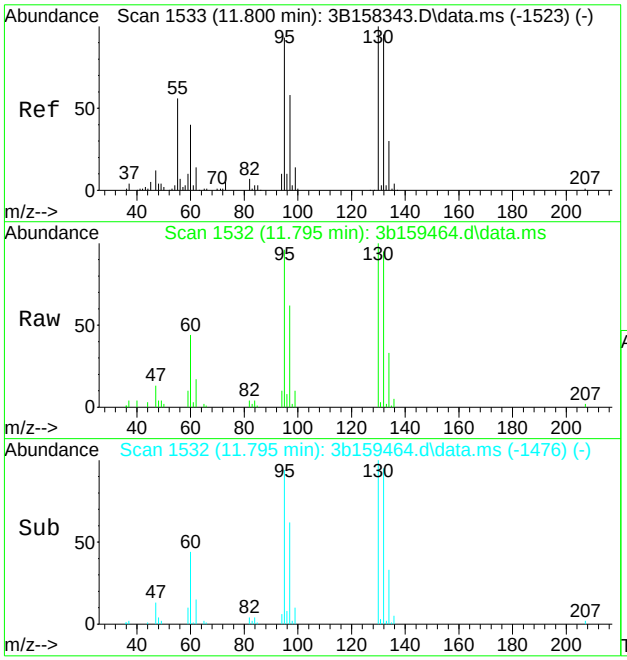


#38
cis-1,2-dichloroethene
Concen: 4.57 ug/L
RT: 9.891 min Scan# 1168
Delta R.T. 0.005 min
Lab File: 3b159464.d
Acq: 9 Apr 2020 6:12 pm

Tgt Ion: 96 Resp: 7112

Ion	Ratio	Lower	Upper
96	100		
61	132.3	115.3	175.3
98	55.9	36.1	96.1

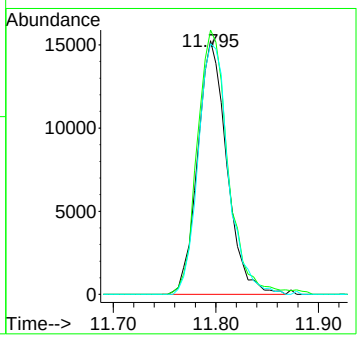


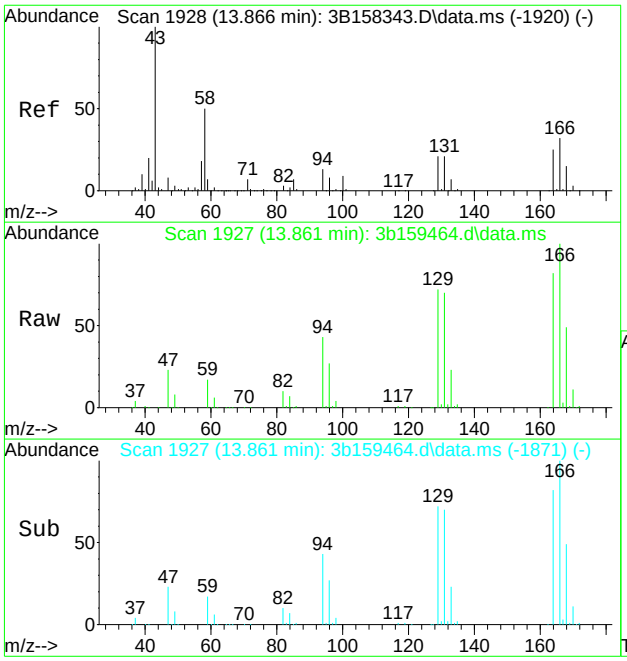


#63
trichloroethene
Concen: 20.77 ug/L
RT: 11.795 min Scan# 1532
Delta R.T. -0.005 min
Lab File: 3b159464.d
Acq: 9 Apr 2020 6:12 pm

Tgt Ion: 95 Resp: 30234

Ion	Ratio	Lower	Upper
95	100		
130	104.2	78.0	138.0
132	98.8	72.8	132.8

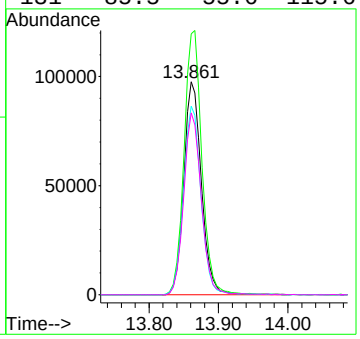




#81
tetrachloroethene
Concen: 116.55 ug/L
RT: 13.861 min Scan# 1927
Delta R.T. -0.005 min
Lab File: 3b159464.d
Acq: 9 Apr 2020 6:12 pm

Tgt Ion:164 Resp: 173036

Ion	Ratio	Lower	Upper
164	100		
166	122.6	96.6	156.6
129	88.7	55.2	115.2
131	85.5	55.6	115.6



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\kristelv\april 2020\04152020\v3b7186\
Data File : 3b159537.d
Acq On : 14 Apr 2020 11:58 am
Operator : krizhkac
Sample : jd5554-4 Inst : MS3B
Misc : MS42336,V3B7186,5,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3B7128.M
Quant Results File: M3B7128.RES
Quant Time: Apr 15 04:07:13 2020
Quant Title : SW846 8260C, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Mon Feb 17 09:28:37 2020
Response via : Initial Calibration

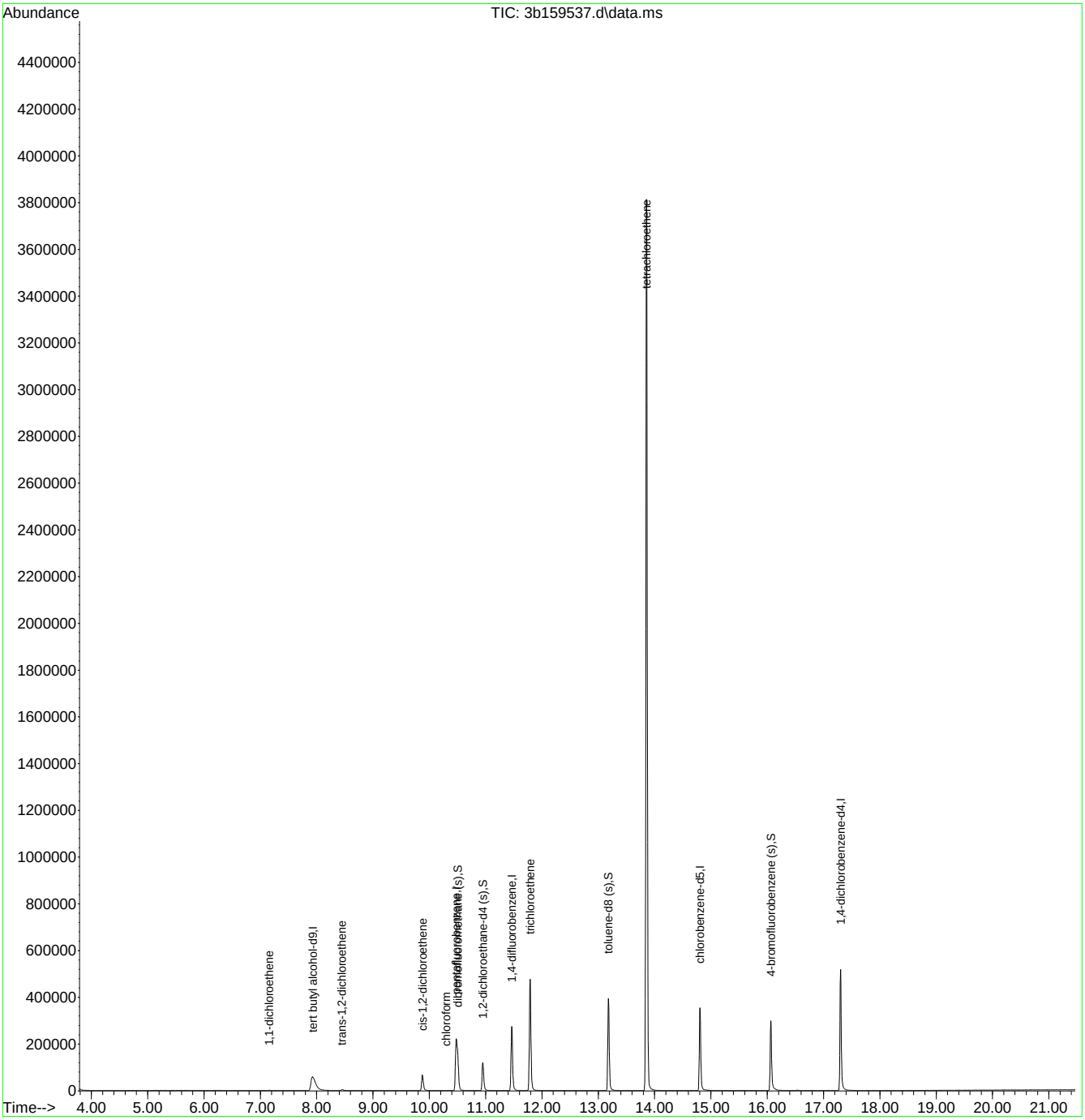
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	7.930	65	201708	500.00	ug/L	-0.02
5) pentafluorobenzene	10.477	168	166526	50.00	ug/L	-0.01
54) 1,4-difluorobenzene	11.465	114	239805	50.00	ug/L	0.00
75) chlorobenzene-d5	14.807	117	221591	50.00	ug/L	0.00
99) 1,4-dichlorobenzene-d4	17.302	152	153048	50.00	ug/L	0.00
System Monitoring Compounds						
46) dibromofluoromethane (s)	10.503	113	80067	52.14	ug/L	-0.01
Spiked Amount 50.000	Range 80 - 120		Recovery = 104.28%			
55) 1,2-dichloroethane-d4 (s)	10.953	65	101045	49.44	ug/L	-0.01
Spiked Amount 50.000	Range 81 - 124		Recovery = 98.88%			
76) toluene-d8 (s)	13.181	98	275767	52.63	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 105.26%			
100) 4-bromofluorobenzene (s)	16.063	95	110485	50.99	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 101.98%			
Target Compounds						Qvalue
19) 1,1-dichloroethene	7.155	96	916	0.53	ug/L	# 53
27) trans-1,2-dichloroethene	8.447	96	2902	1.91	ug/L	# 68
38) cis-1,2-dichloroethene	9.880	96	34958	22.18	ug/L	89
44) chloroform	10.299	83	655	0.23	ug/L	85
63) trichloroethene	11.789	95	160799	112.27	ug/L	98
81) tetrachloroethene	13.855	164	920743	635.40	ug/L	98

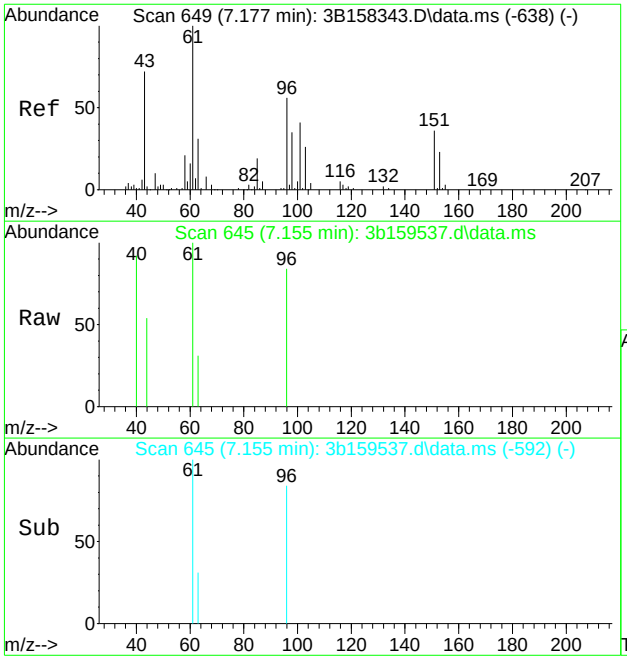
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\kristelv\april 2020\04152020\v3b7186\
Data File : 3b159537.d
Acq On : 14 Apr 2020 11:58 am
Operator : krizhkac
Sample : jd5554-4 Inst : MS3B
Misc : MS42336,V3B7186,5,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3B7128.M
Quant Results File: M3B7128.RES
Quant Time: Apr 15 04:07:13 2020
Quant Title : SW846 8260C, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Mon Feb 17 09:28:37 2020
Response via : Initial Calibration

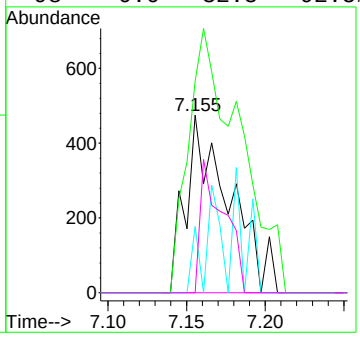


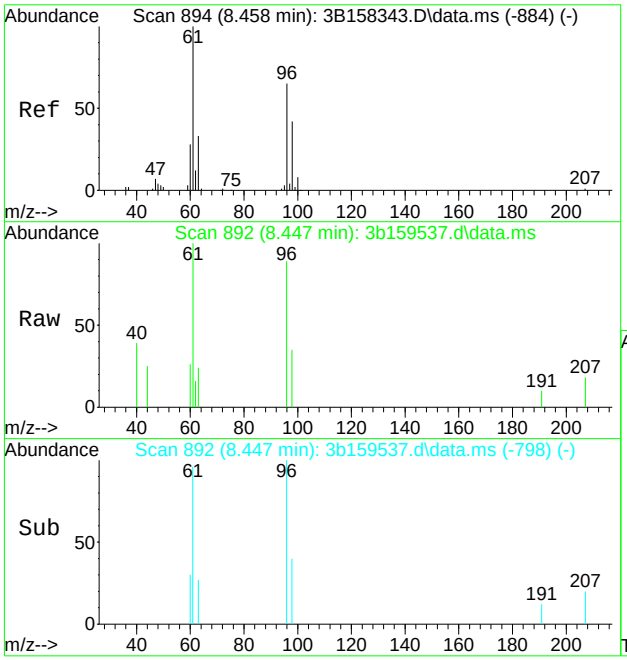


#19
1,1-dichloroethene
Concen: 0.53 ug/L
RT: 7.155 min Scan# 645
Delta R.T. -0.022 min
Lab File: 3b159537.d
Acq: 14 Apr 2020 11:58 am

Tgt Ion: 96 Resp: 916

Ion	Ratio	Lower	Upper
96	100		
61	119.2	149.6	209.6#
63	37.5	25.0	85.0
98	0.0	32.5	92.5#

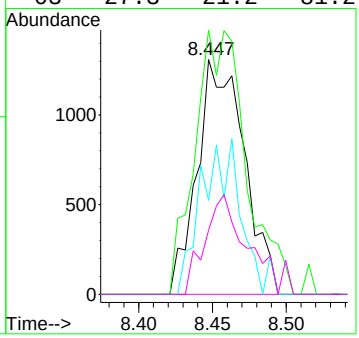


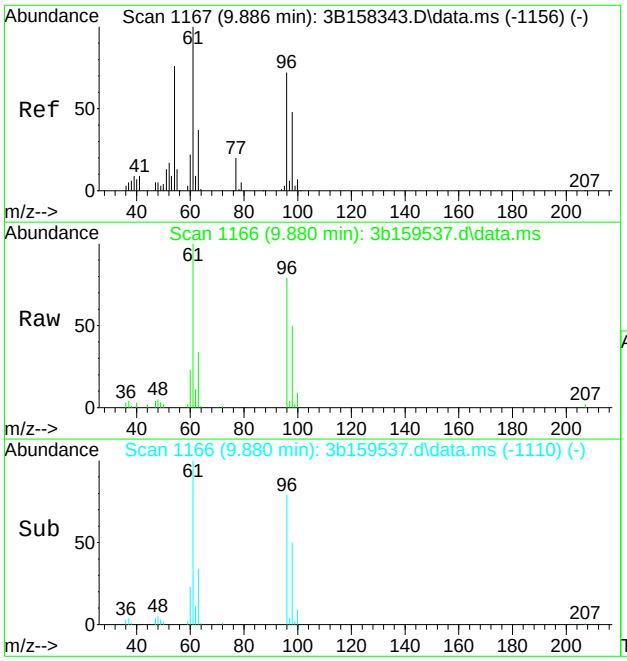


#27
trans-1,2-dichloroethene
Concen: 1.91 ug/L
RT: 8.447 min Scan# 892
Delta R.T. -0.011 min
Lab File: 3b159537.d
Acq: 14 Apr 2020 11:58 am

Tgt Ion: 96 Resp: 2902

Ion	Ratio	Lower	Upper
96	100		
61	112.6	123.4	183.4#
98	40.0	34.1	94.1
63	27.3	21.2	81.2

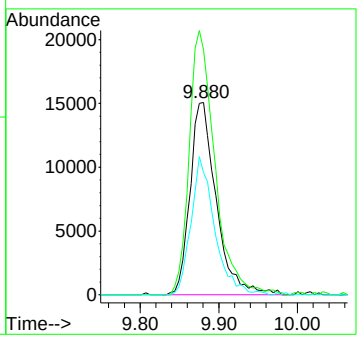


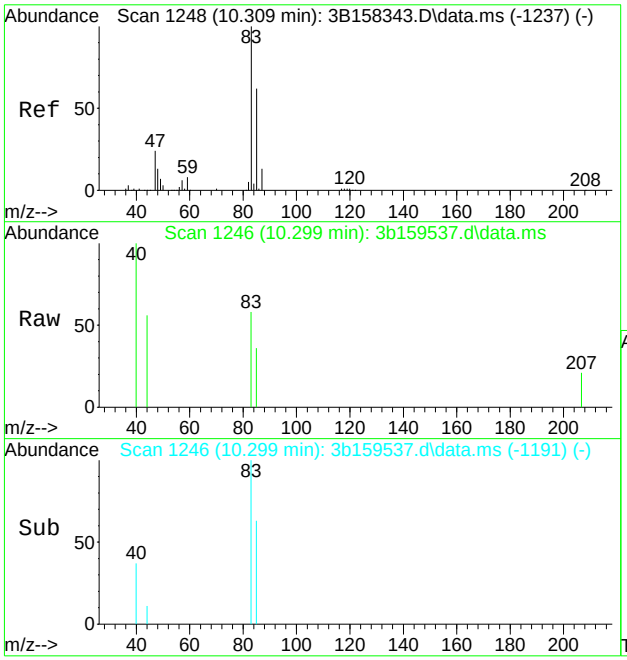


#38
cis-1,2-dichloroethene
Concen: 22.18 ug/L
RT: 9.880 min Scan# 1166
Delta R.T. -0.006 min
Lab File: 3b159537.d
Acq: 14 Apr 2020 11:58 am

Tgt Ion: 96 Resp: 34958

Ion	Ratio	Lower	Upper
96	100		
61	127.3	115.3	175.3
98	63.4	36.1	96.1

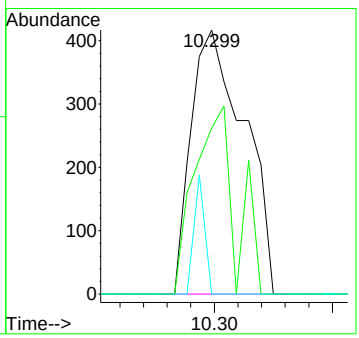


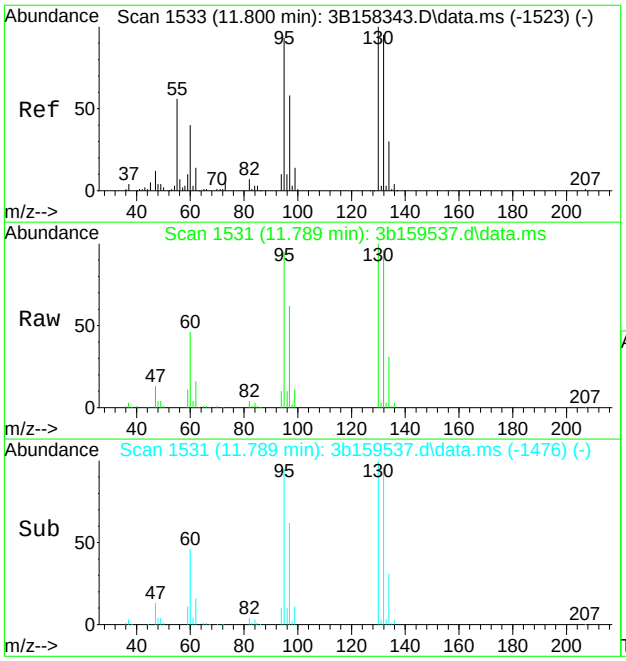


#44
chloroform
Concen: 0.23 ug/L
RT: 10.299 min Scan# 1246
Delta R.T. -0.010 min
Lab File: 3b159537.d
Acq: 14 Apr 2020 11:58 am

Tgt Ion: 83 Resp: 655

Ion	Ratio	Lower	Upper
83	100		
85	62.8	32.0	92.0
47	0.0	0.0	54.4

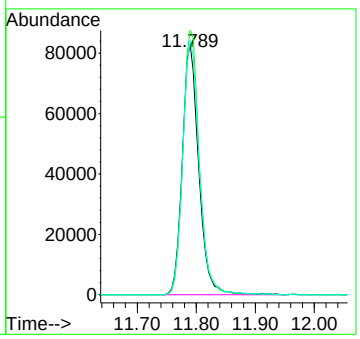


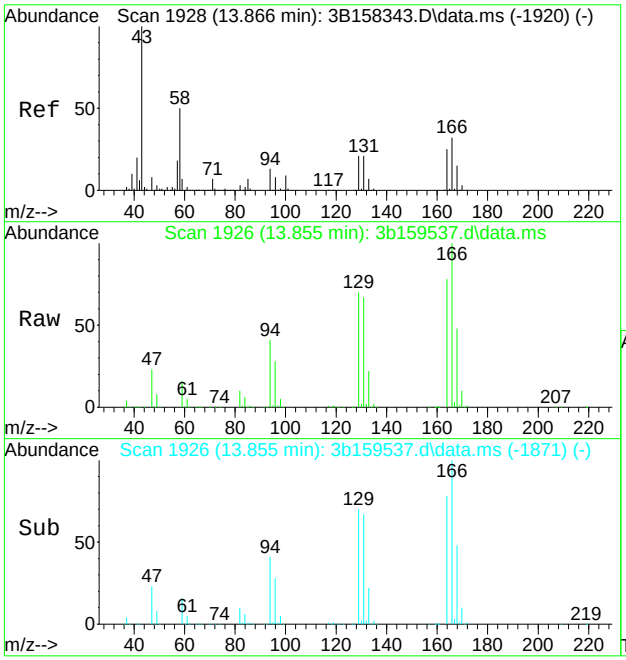


#63
trichloroethene
Concen: 112.27 ug/L
RT: 11.789 min Scan# 1531
Delta R.T. -0.011 min
Lab File: 3b159537.d
Acq: 14 Apr 2020 11:58 am

Tgt Ion: 95 Resp: 160799

Ion	Ratio	Lower	Upper
95	100		
130	105.3	78.0	138.0
132	101.3	72.8	132.8

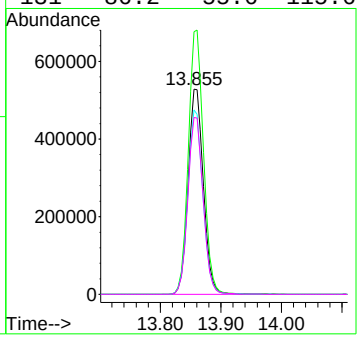




#81
tetrachloroethene
Concen: 635.40 ug/L
RT: 13.855 min Scan# 1926
Delta R.T. -0.011 min
Lab File: 3b159537.d
Acq: 14 Apr 2020 11:58 am

Tgt Ion:164 Resp: 920743

Ion	Ratio	Lower	Upper
164	100		
166	128.1	96.6	156.6
129	89.9	55.2	115.2
131	86.2	55.6	115.6



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\davem1\04-10-20\v3b7181\
Data File : 3b159459.d
Acq On : 9 Apr 2020 3:49 pm
Operator : krizhkac
Sample : jd5554-5 Inst : MS3B
Misc : MS42336,V3B7181,5,,,,1
ALS Vial : 17 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3B7128.M
Quant Results File: M3B7128.RES
Quant Time: Apr 10 02:48:28 2020
Quant Title : SW846 8260C, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Mon Feb 17 10:01:00 2020
Response via : Initial Calibration

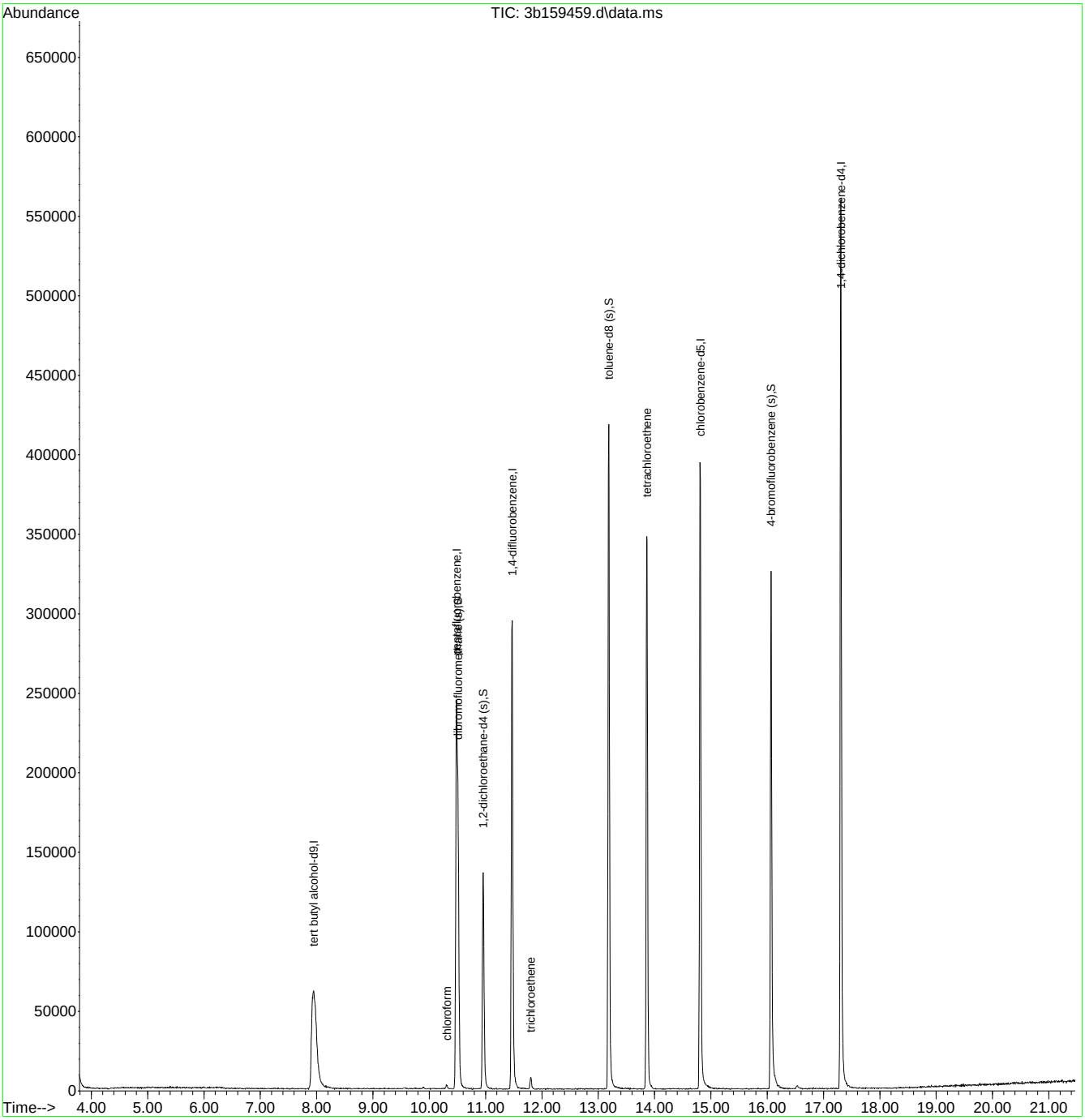
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	7.945	65	213173	500.00	ug/L	0.00
5) pentafluorobenzene	10.482	168	181405	50.00	ug/L	0.00
54) 1,4-difluorobenzene	11.470	114	259280	50.00	ug/L	0.00
75) chlorobenzene-d5	14.813	117	243800	50.00	ug/L	0.00
99) 1,4-dichlorobenzene-d4	17.307	152	165269	50.00	ug/L	0.00
System Monitoring Compounds						
46) dibromofluoromethane (s)	10.508	113	91223	54.53	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 109.06%			
55) 1,2-dichloroethane-d4 (s)	10.958	65	110817	50.14	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 100.28%			
76) toluene-d8 (s)	13.186	98	295725	51.30	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 102.60%			
100) 4-bromofluorobenzene (s)	16.068	95	114791	49.06	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 98.12%			
Target Compounds						Qvalue
44) chloroform	10.315	83	2225	0.72	ug/L	82
63) trichloroethene	11.800	95	2951	1.91	ug/L	95
81) tetrachloroethene	13.866	164	88214	55.33	ug/L	98

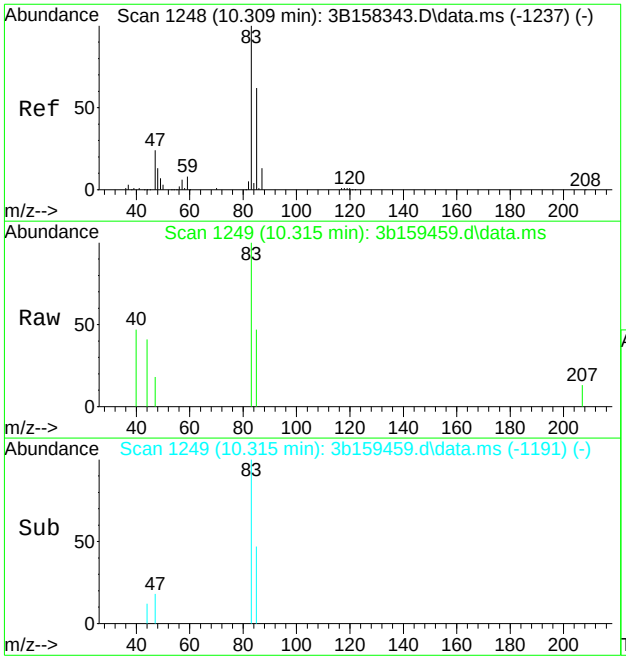
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\davem1\04-10-20\v3b7181\
Data File : 3b159459.d
Acq On : 9 Apr 2020 3:49 pm
Operator : krizhkac
Sample : jd5554-5 Inst : MS3B
Misc : MS42336,V3B7181,5,,,,1
ALS Vial : 17 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3B7128.M
Quant Results File: M3B7128.RES
Quant Time: Apr 10 02:48:28 2020
Quant Title : SW846 8260C, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Mon Feb 17 10:01:00 2020
Response via : Initial Calibration

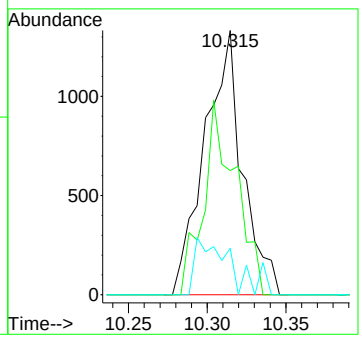


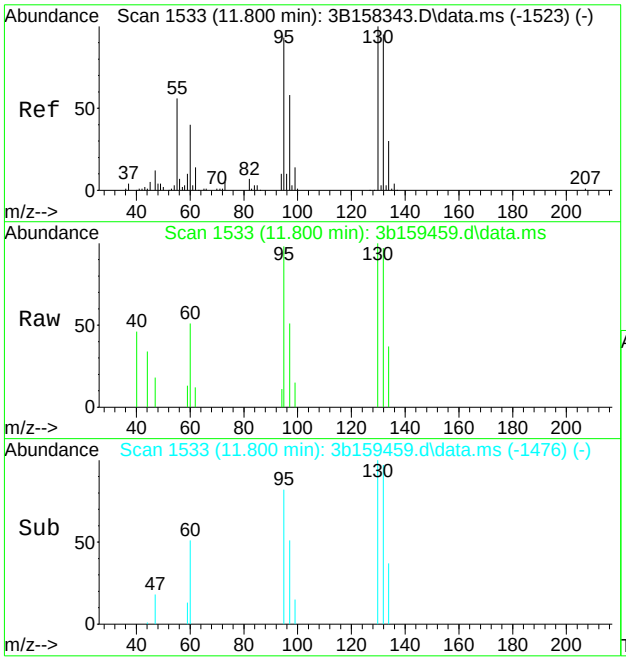


#44
chloroform
Concen: 0.72 ug/L
RT: 10.315 min Scan# 1249
Delta R.T. 0.006 min
Lab File: 3b159459.d
Acq: 9 Apr 2020 3:49 pm

Tgt Ion: 83 Resp: 2225

Ion	Ratio	Lower	Upper
83	100		
85	47.0	32.0	92.0
47	17.6	0.0	54.4

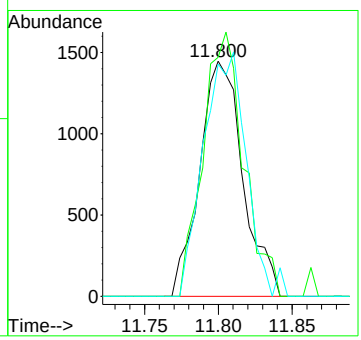


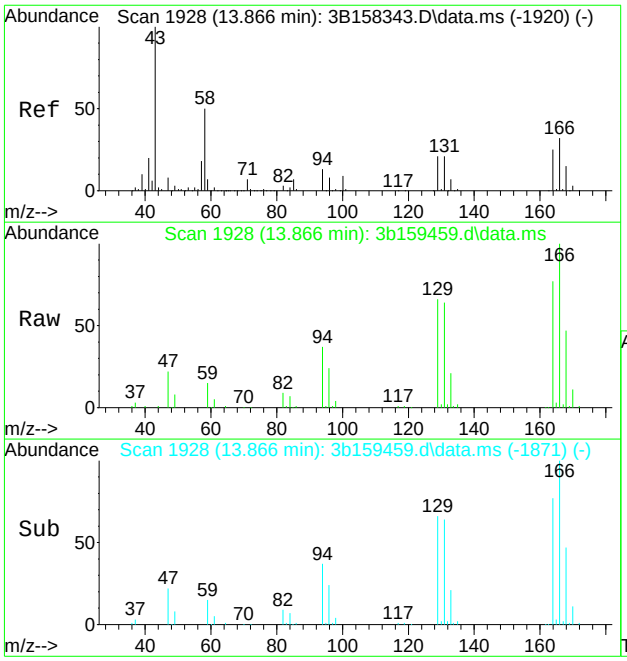


#63
trichloroethene
Concen: 1.91 ug/L
RT: 11.800 min Scan# 1533
Delta R.T. -0.000 min
Lab File: 3b159459.d
Acq: 9 Apr 2020 3:49 pm

Tgt Ion: 95 Resp: 2951

Ion	Ratio	Lower	Upper
95	100		
130	101.7	78.0	138.0
132	98.8	72.8	132.8

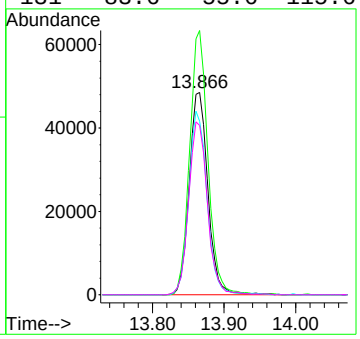




#81
tetrachloroethene
Concen: 55.33 ug/L
RT: 13.866 min Scan# 1928
Delta R.T. -0.000 min
Lab File: 3b159459.d
Acq: 9 Apr 2020 3:49 pm

Tgt Ion:164 Resp: 88214

Ion	Ratio	Lower	Upper
164	100		
166	130.6	96.6	156.6
129	85.8	55.2	115.2
131	83.6	55.6	115.6



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\davem1\04-10-20\v3b7181\
Data File : 3b159448.d
Acq On : 9 Apr 2020 10:35 am
Operator : krizhkac
Sample : jd5554-6 Inst : MS3B
Misc : MS42336,V3B7181,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3B7128.M
Quant Results File: M3B7128.RES
Quant Time: Apr 10 02:30:06 2020
Quant Title : SW846 8260C, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Mon Feb 17 09:28:37 2020
Response via : Initial Calibration

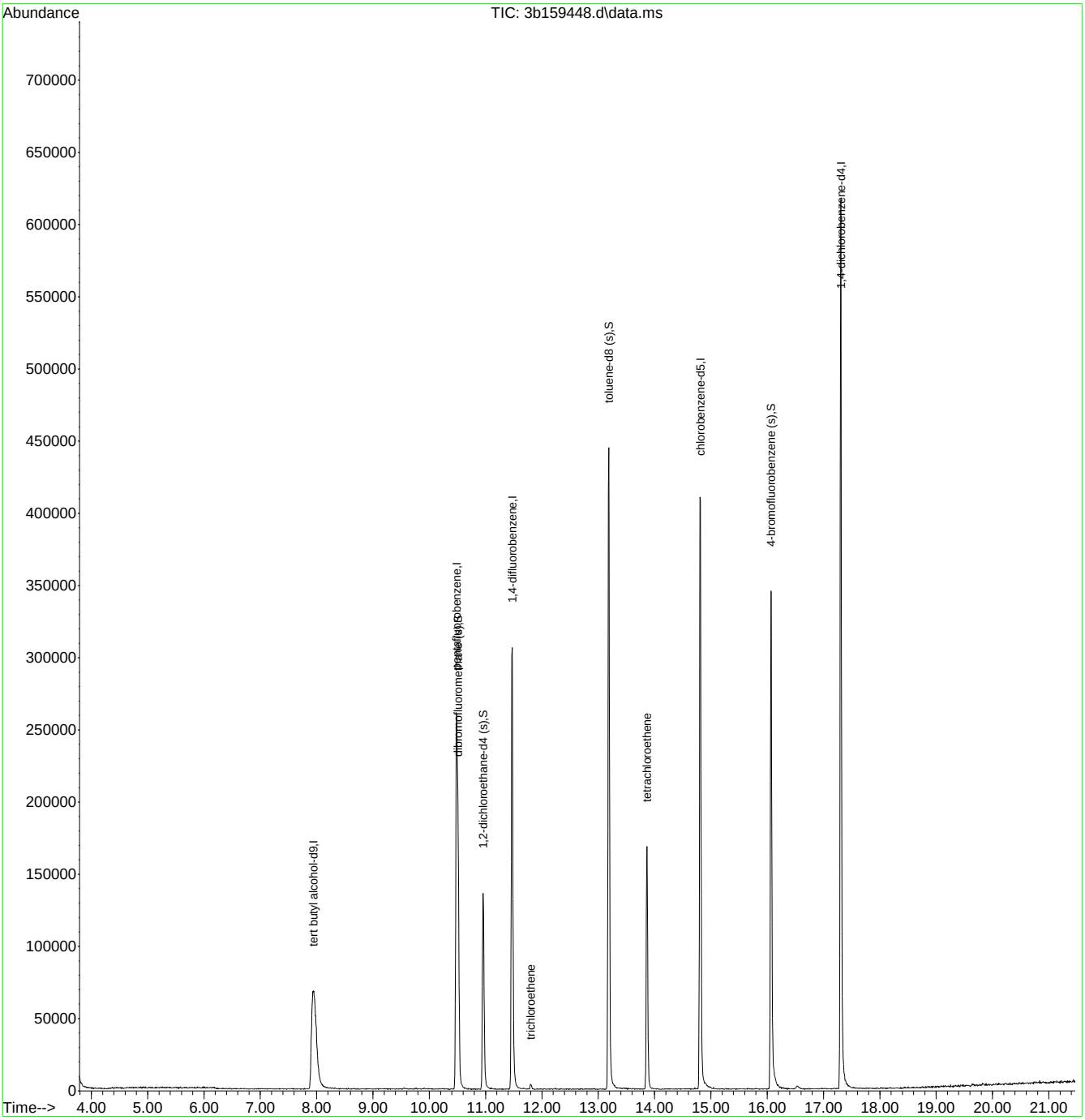
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	7.940	65	237666	500.00	ug/L	-0.01
5) pentafluorobenzene	10.482	168	199119	50.00	ug/L	0.00
54) 1,4-difluorobenzene	11.471	114	282186	50.00	ug/L	0.00
75) chlorobenzene-d5	14.813	117	263501	50.00	ug/L	0.00
99) 1,4-dichlorobenzene-d4	17.308	152	183329	50.00	ug/L	0.00
System Monitoring Compounds						
46) dibromofluoromethane (s)	10.508	113	95558	52.04	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 104.08%			
55) 1,2-dichloroethane-d4 (s)	10.958	65	112440	46.75	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 93.50%			
76) toluene-d8 (s)	13.186	98	318930	51.19	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 102.38%			
100) 4-bromofluorobenzene (s)	16.068	95	126294	48.66	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 97.32%			
Target Compounds						Qvalue
63) trichloroethene	11.800	95	1338	0.79	ug/L	86
81) tetrachloroethene	13.866	164	43339	25.15	ug/L	98

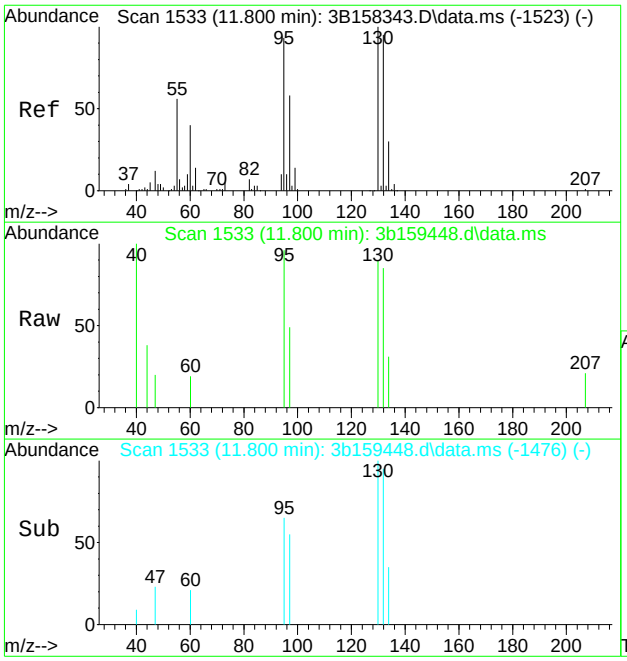
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\davem1\04-10-20\v3b7181\
Data File : 3b159448.d
Acq On : 9 Apr 2020 10:35 am
Operator : krizhkac
Sample : jd5554-6 Inst : MS3B
Misc : MS42336,V3B7181,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3B7128.M
Quant Results File: M3B7128.RES
Quant Time: Apr 10 02:30:06 2020
Quant Title : SW846 8260C, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Mon Feb 17 09:28:37 2020
Response via : Initial Calibration

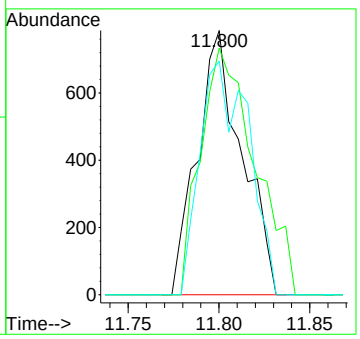


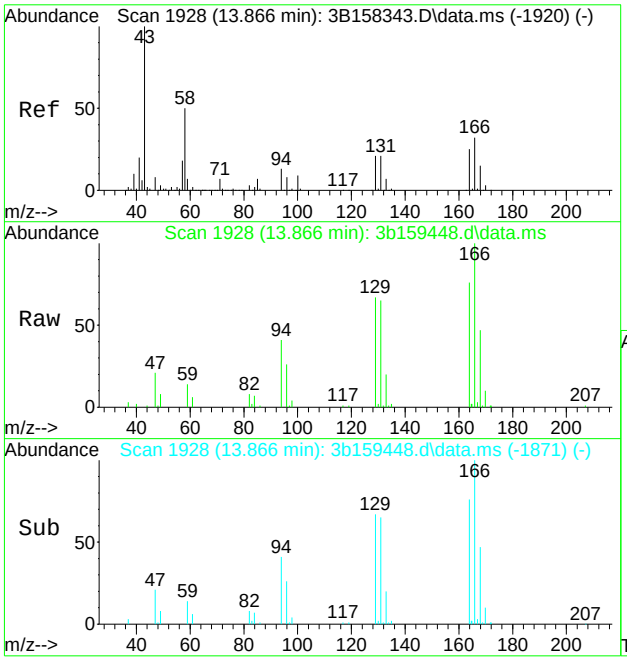


#63
trichloroethene
Concen: 0.79 ug/L
RT: 11.800 min Scan# 1533
Delta R.T. 0.000 min
Lab File: 3b159448.d
Acq: 9 Apr 2020 10:35 am

Tgt Ion: 95 Resp: 1338

Ion	Ratio	Lower	Upper
95	100		
130	93.3	78.0	138.0
132	88.4	72.8	132.8

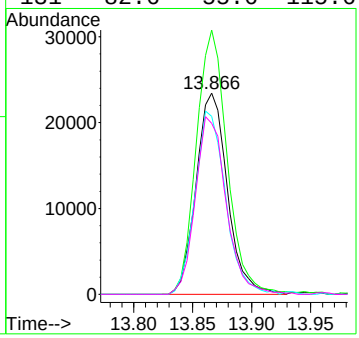




#81
tetrachloroethene
Concen: 25.15 ug/L
RT: 13.866 min Scan# 1928
Delta R.T. 0.000 min
Lab File: 3b159448.d
Acq: 9 Apr 2020 10:35 am

Tgt Ion:164 Resp: 43339

Ion	Ratio	Lower	Upper
164	100		
166	127.6	96.6	156.6
129	85.9	55.2	115.2
131	82.6	55.6	115.6



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\davem1\04-10-20\v3b7181\
Data File : 3b159460.d
Acq On : 9 Apr 2020 4:18 pm
Operator : krizhkac
Sample : jd5554-7 Inst : MS3B
Misc : MS42336,V3B7181,5,,,,1
ALS Vial : 18 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3B7128.M
Quant Results File: M3B7128.RES
Quant Time: Apr 10 02:49:06 2020
Quant Title : SW846 8260C, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Mon Feb 17 10:01:00 2020
Response via : Initial Calibration

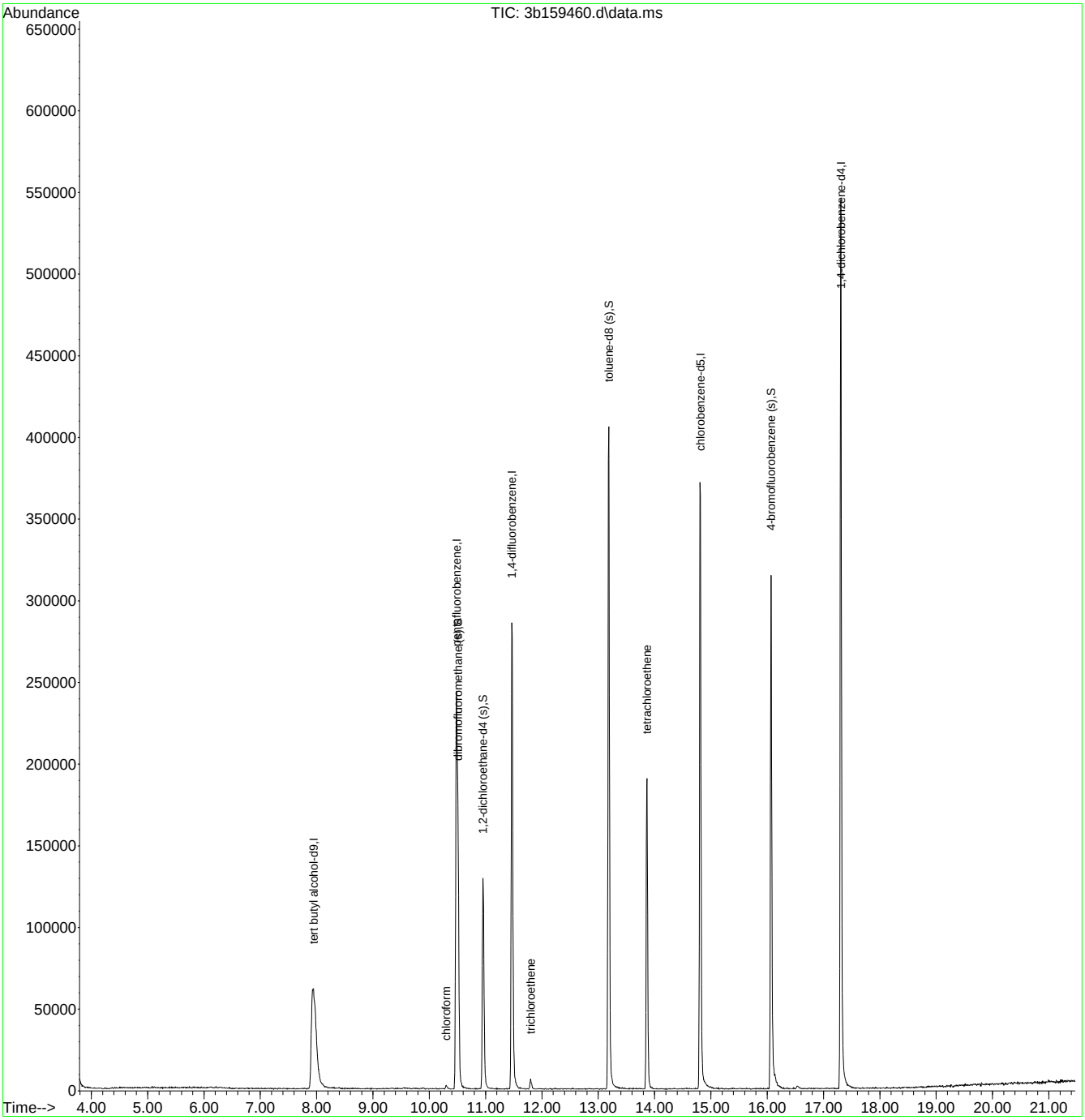
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	7.945	65	211104	500.00	ug/L	0.00
5) pentafluorobenzene	10.482	168	176169	50.00	ug/L	0.00
54) 1,4-difluorobenzene	11.465	114	252707	50.00	ug/L	0.00
75) chlorobenzene-d5	14.813	117	235185	50.00	ug/L	0.00
99) 1,4-dichlorobenzene-d4	17.307	152	157874	50.00	ug/L	0.00
System Monitoring Compounds						
46) dibromofluoromethane (s)	10.508	113	86893	53.49	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 106.98%			
55) 1,2-dichloroethane-d4 (s)	10.953	65	105385	48.93	ug/L	-0.01
Spiked Amount 50.000	Range 81 - 124		Recovery = 97.86%			
76) toluene-d8 (s)	13.186	98	288410	51.87	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 103.74%			
100) 4-bromofluorobenzene (s)	16.068	95	112621	50.39	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.78%			
Target Compounds						Qvalue
44) chloroform	10.299	83	2024	0.67	ug/L	79
63) trichloroethene	11.800	95	2252	1.49	ug/L	86
81) tetrachloroethene	13.866	164	48636	31.62	ug/L	99

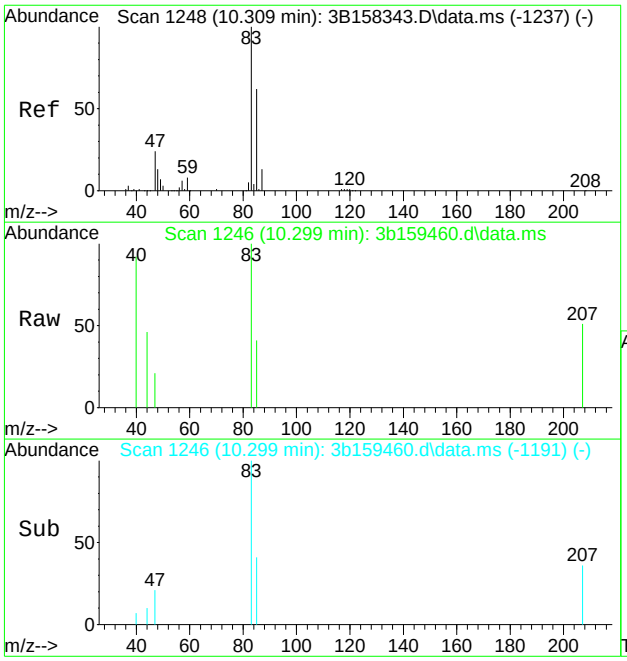
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\davem1\04-10-20\v3b7181\
Data File : 3b159460.d
Acq On : 9 Apr 2020 4:18 pm
Operator : krizhkac
Sample : jd5554-7 Inst : MS3B
Misc : MS42336,V3B7181,5,,,,1
ALS Vial : 18 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3B7128.M
Quant Results File: M3B7128.RES
Quant Time: Apr 10 02:49:06 2020
Quant Title : SW846 8260C, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Mon Feb 17 10:01:00 2020
Response via : Initial Calibration

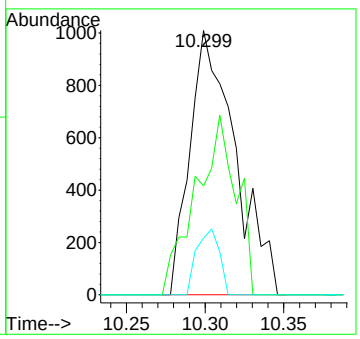


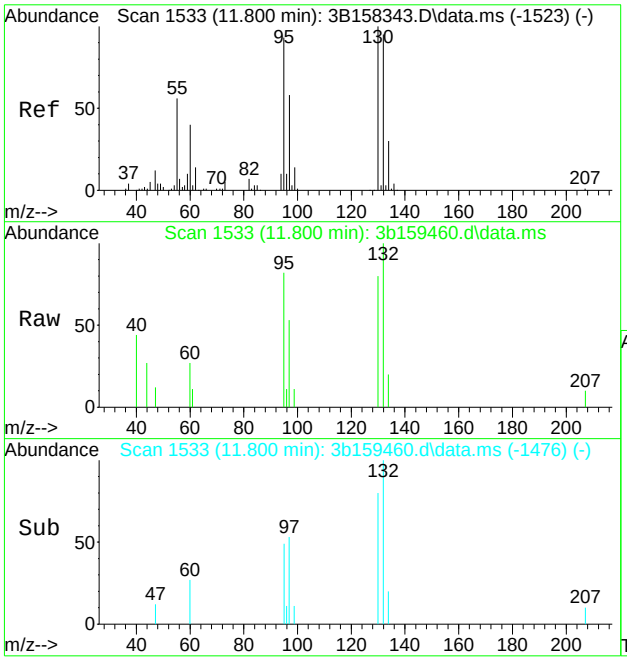


#44
chloroform
Concen: 0.67 ug/L
RT: 10.299 min Scan# 1246
Delta R.T. -0.010 min
Lab File: 3b159460.d
Acq: 9 Apr 2020 4:18 pm

Tgt Ion: 83 Resp: 2024

Ion	Ratio	Lower	Upper
83	100		
85	41.2	32.0	92.0
47	21.5	0.0	54.4

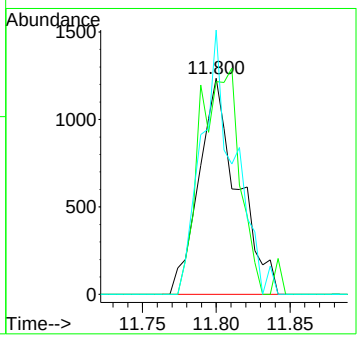


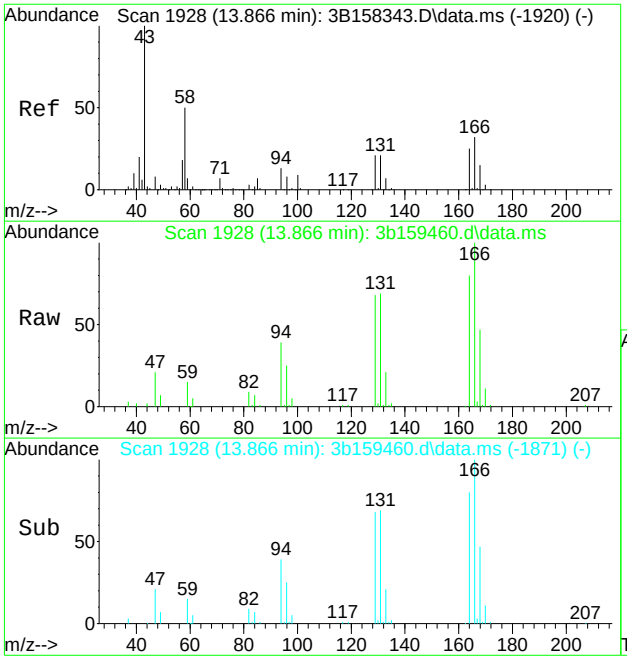


#63
trichloroethene
Concen: 1.49 ug/L
RT: 11.800 min Scan# 1533
Delta R.T. 0.000 min
Lab File: 3b159460.d
Acq: 9 Apr 2020 4:18 pm

Tgt Ion: 95 Resp: 2252

Ion	Ratio	Lower	Upper
95	100		
130	98.4	78.0	138.0
132	122.3	72.8	132.8

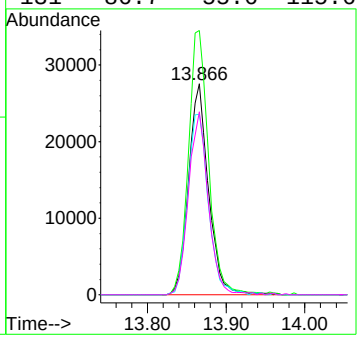




#81
tetrachloroethene
Concen: 31.62 ug/L
RT: 13.866 min Scan# 1928
Delta R.T. -0.000 min
Lab File: 3b159460.d
Acq: 9 Apr 2020 4:18 pm

Tgt Ion:164 Resp: 48636

Ion	Ratio	Lower	Upper
164	100		
166	125.2	96.6	156.6
129	85.5	55.2	115.2
131	86.7	55.6	115.6



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\davem1\04-10-20\v3b7181\
Data File : 3b159461.d
Acq On : 9 Apr 2020 4:47 pm
Operator : krizhkac
Sample : jd5554-8 Inst : MS3B
Misc : MS42336,V3B7181,5,,,,1
ALS Vial : 19 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3B7128.M
Quant Results File: M3B7128.RES
Quant Time: Apr 10 02:49:47 2020
Quant Title : SW846 8260C, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Mon Feb 17 09:28:37 2020
Response via : Initial Calibration

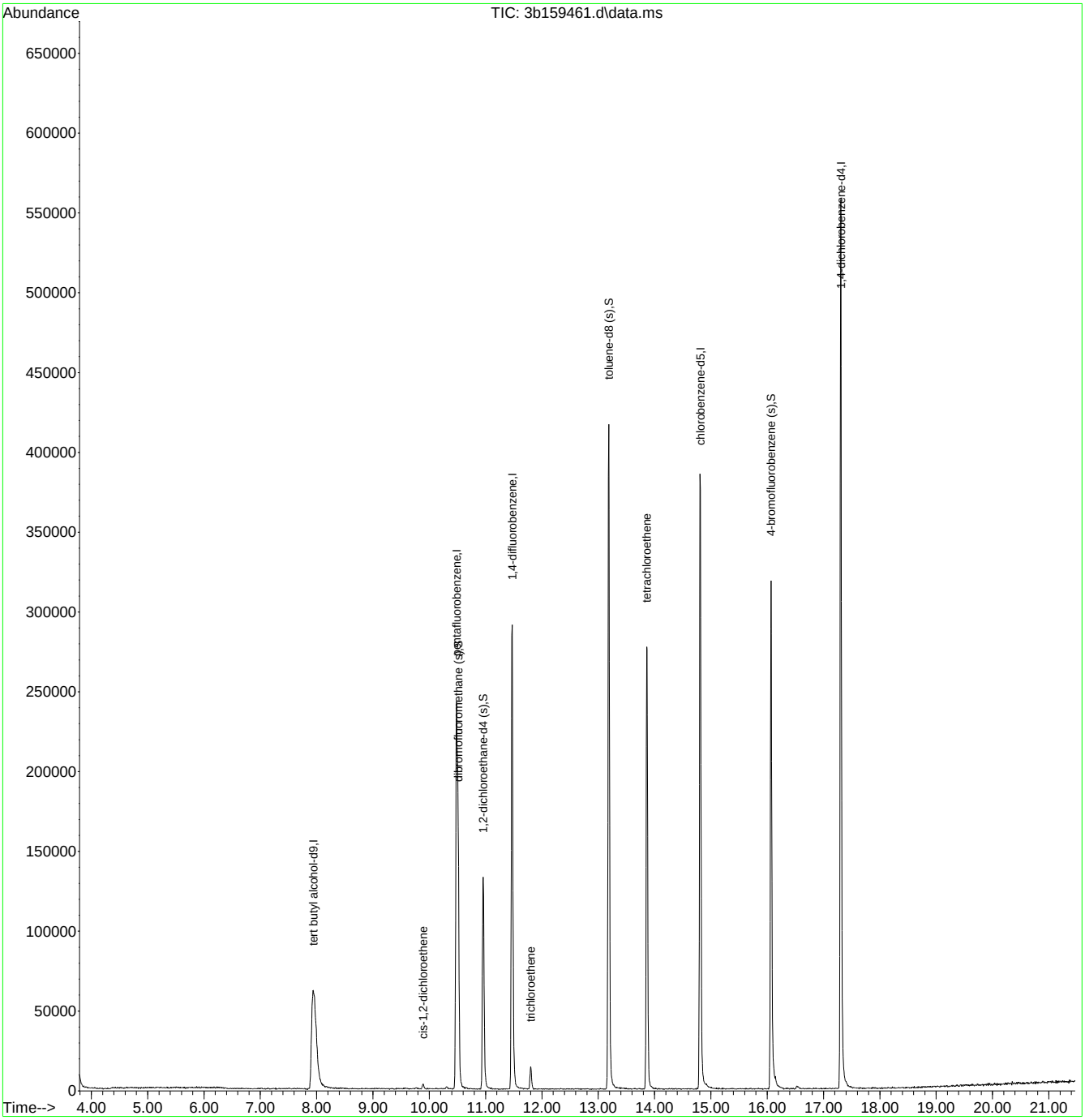
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	7.940	65	208196	500.00	ug/L	-0.01
5) pentafluorobenzene	10.482	168	180175	50.00	ug/L	0.00
54) 1,4-difluorobenzene	11.471	114	261299	50.00	ug/L	0.00
75) chlorobenzene-d5	14.813	117	242854	50.00	ug/L	0.00
99) 1,4-dichlorobenzene-d4	17.307	152	162955	50.00	ug/L	0.00
System Monitoring Compounds						
46) dibromofluoromethane (s)	10.513	113	91032	54.79	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 109.58%			
55) 1,2-dichloroethane-d4 (s)	10.958	65	110418	49.58	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 99.16%			
76) toluene-d8 (s)	13.186	98	293761	51.16	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 102.32%			
100) 4-bromofluorobenzene (s)	16.068	95	115683	50.15	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.30%			
Target Compounds						Qvalue
38) cis-1,2-dichloroethene	9.891	96	1755	1.03	ug/L	84
63) trichloroethene	11.800	95	5305	3.40	ug/L	94
81) tetrachloroethene	13.861	164	71273	44.88	ug/L	97

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

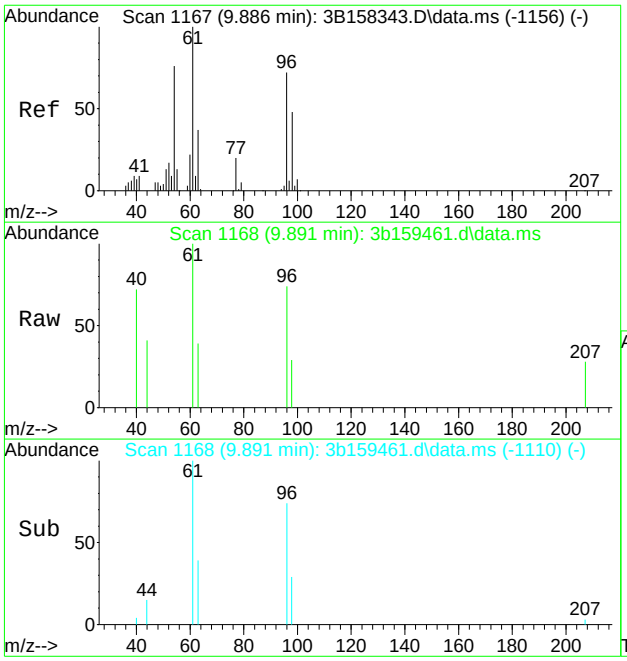
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\davem1\04-10-20\v3b7181\
Data File : 3b159461.d
Acq On : 9 Apr 2020 4:47 pm
Operator : krizhkac
Sample : jd5554-8 Inst : MS3B
Misc : MS42336,V3B7181,5,,,,1
ALS Vial : 19 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3B7128.M
Quant Results File: M3B7128.RES
Quant Time: Apr 10 02:49:47 2020
Quant Title : SW846 8260C, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Mon Feb 17 09:28:37 2020
Response via : Initial Calibration



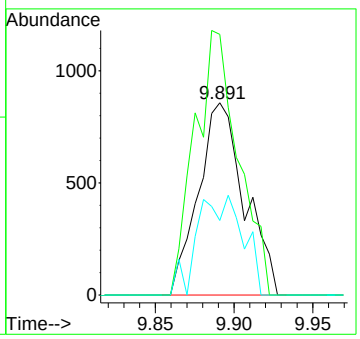
M3B7128.M Fri Apr 10 02:56:23 2020 Page: 2

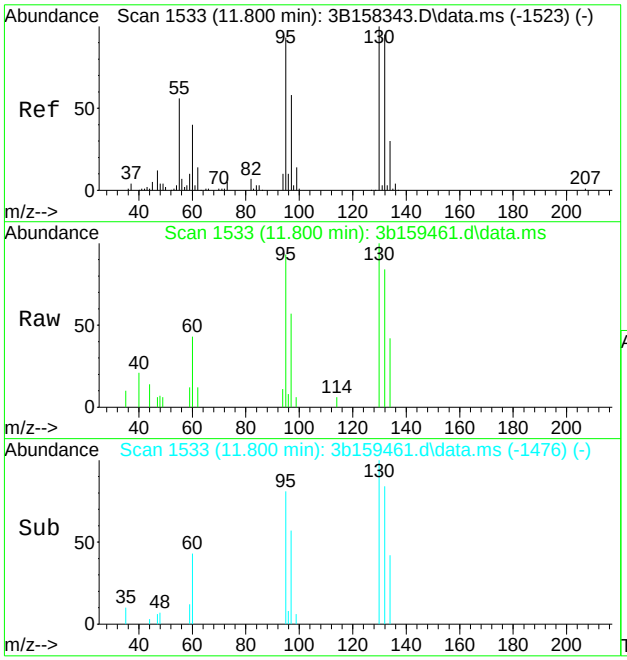


#38
cis-1,2-dichloroethene
Concen: 1.03 ug/L
RT: 9.891 min Scan# 1168
Delta R.T. 0.005 min
Lab File: 3b159461.d
Acq: 9 Apr 2020 4:47 pm

Tgt Ion: 96 Resp: 1755

Ion	Ratio	Lower	Upper
96	100		
61	135.6	115.3	175.3
98	38.7	36.1	96.1

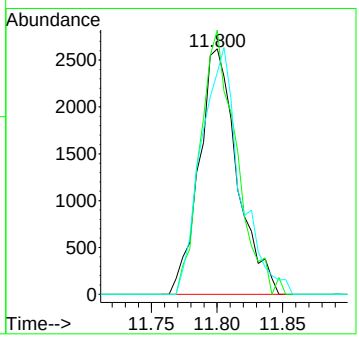


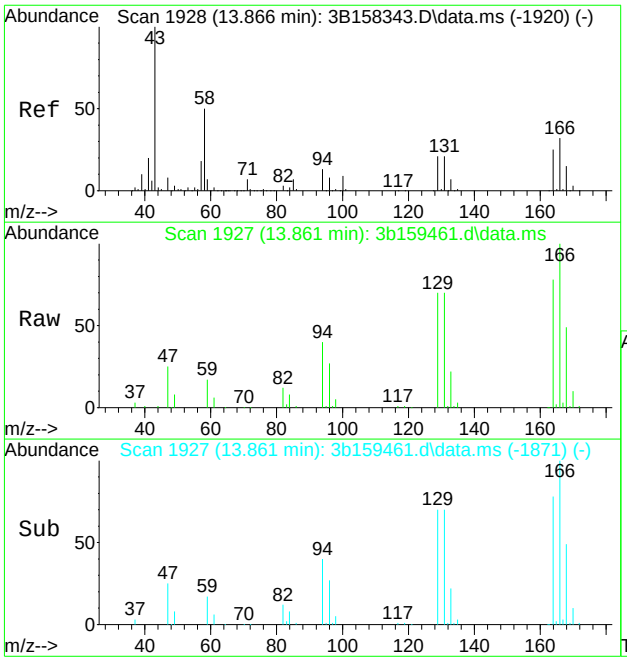


#63
trichloroethene
Concen: 3.40 ug/L
RT: 11.800 min Scan# 1533
Delta R.T. 0.000 min
Lab File: 3b159461.d
Acq: 9 Apr 2020 4:47 pm

Tgt Ion: 95 Resp: 5305

Ion	Ratio	Lower	Upper
95	100		
130	107.7	78.0	138.0
132	90.3	72.8	132.8

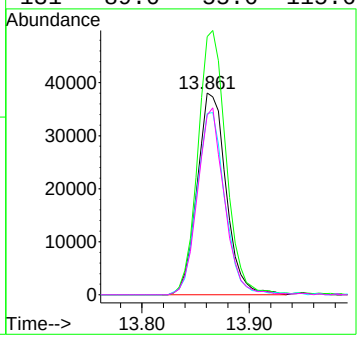




#81
tetrachloroethene
Concen: 44.88 ug/L
RT: 13.861 min Scan# 1927
Delta R.T. -0.005 min
Lab File: 3b159461.d
Acq: 9 Apr 2020 4:47 pm

Tgt Ion:164 Resp: 71273

Ion	Ratio	Lower	Upper
164	100		
166	127.9	96.6	156.6
129	89.9	55.2	115.2
131	89.0	55.6	115.6



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\davem1\04-10-20\v3b7181\
Data File : 3b159462.d
Acq On : 9 Apr 2020 5:15 pm
Operator : krizhkac
Sample : jd5554-9 Inst : MS3B
Misc : MS42336,V3B7181,5,,,,1
ALS Vial : 20 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3B7128.M
Quant Results File: M3B7128.RES
Quant Time: Apr 10 02:50:31 2020
Quant Title : SW846 8260C, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Mon Feb 17 09:28:37 2020
Response via : Initial Calibration

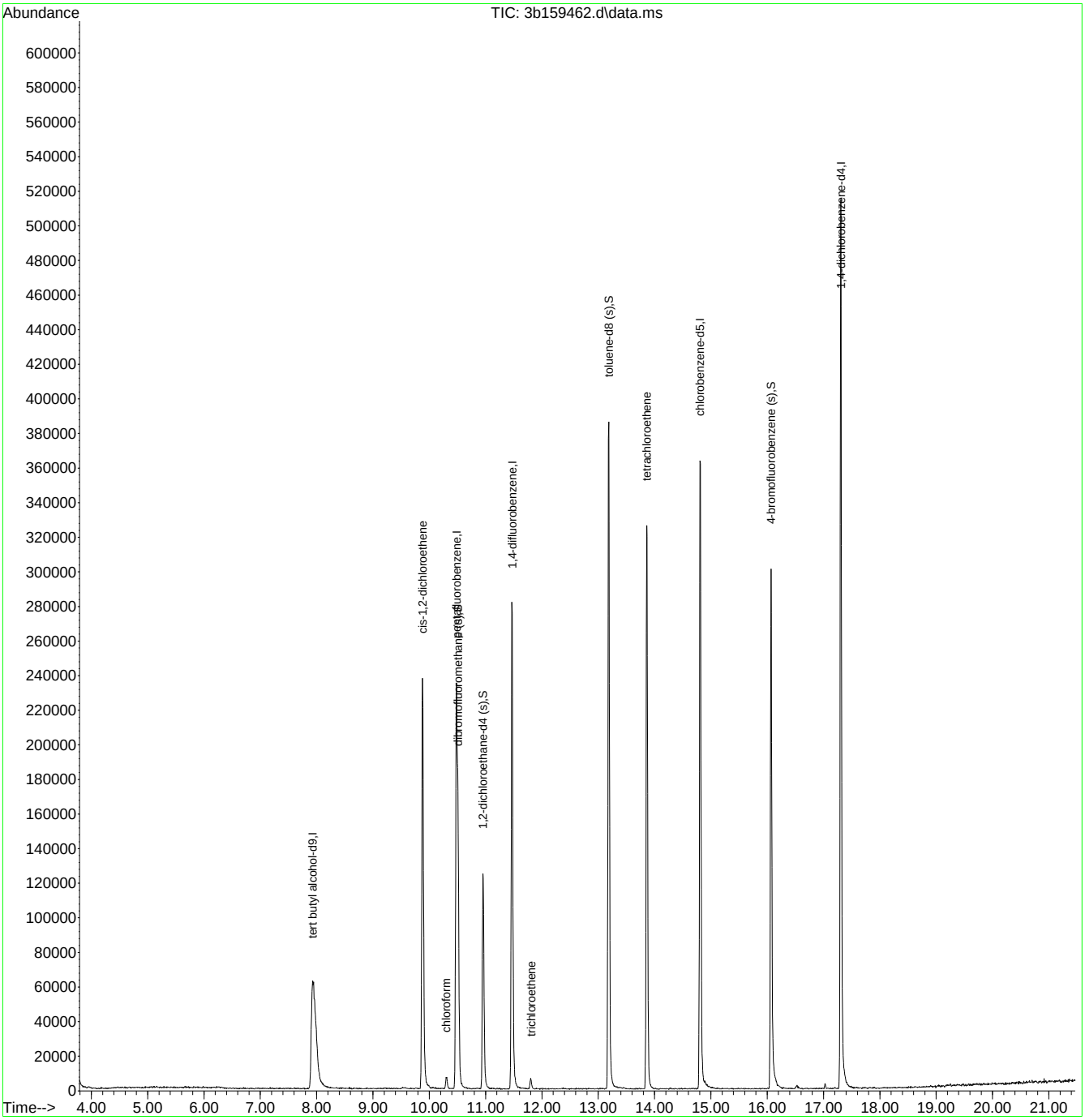
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	7.924	65	207181	500.00	ug/L	-0.03
5) pentafluorobenzene	10.482	168	171220	50.00	ug/L	0.00
54) 1,4-difluorobenzene	11.470	114	246013	50.00	ug/L	0.00
75) chlorobenzene-d5	14.807	117	228688	50.00	ug/L	0.00
99) 1,4-dichlorobenzene-d4	17.307	152	151658	50.00	ug/L	0.00
System Monitoring Compounds						
46) dibromofluoromethane (s)	10.508	113	84158	53.30	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 106.60%			
55) 1,2-dichloroethane-d4 (s)	10.953	65	102399	48.83	ug/L	-0.01
Spiked Amount 50.000	Range 81 - 124		Recovery = 97.66%			
76) toluene-d8 (s)	13.186	98	277901	51.40	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 102.80%			
100) 4-bromofluorobenzene (s)	16.068	95	109501	51.00	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 102.00%			
Target Compounds						Qvalue
38) cis-1,2-dichloroethene	9.880	96	119655	73.84	ug/L	90
44) chloroform	10.299	83	6297	2.15	ug/L	97
63) trichloroethene	11.810	95	2429	1.65	ug/L	78
81) tetrachloroethene	13.861	164	82416	55.11	ug/L	96

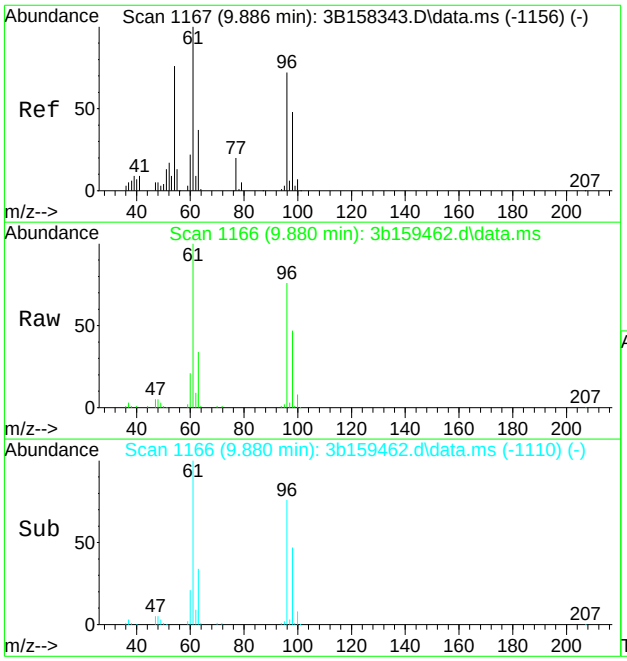
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\davem1\04-10-20\v3b7181\
Data File : 3b159462.d
Acq On : 9 Apr 2020 5:15 pm
Operator : krizhkac
Sample : jd5554-9 Inst : MS3B
Misc : MS42336,V3B7181,5,,,,1
ALS Vial : 20 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3B7128.M
Quant Results File: M3B7128.RES
Quant Time: Apr 10 02:50:31 2020
Quant Title : SW846 8260C, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Mon Feb 17 09:28:37 2020
Response via : Initial Calibration

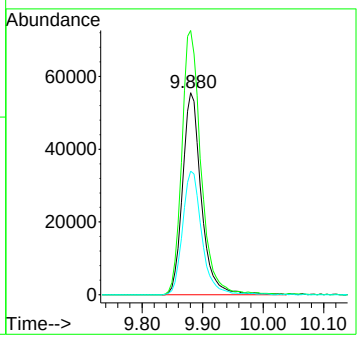


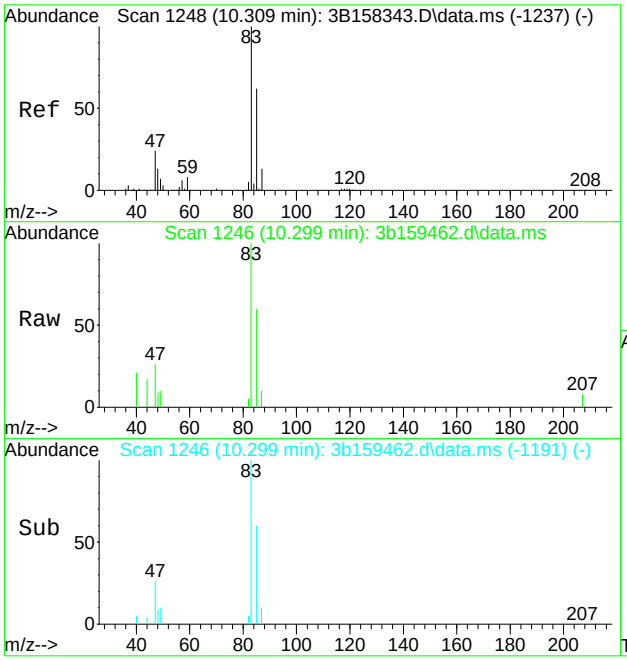


#38
cis-1,2-dichloroethene
Concen: 73.84 ug/L
RT: 9.880 min Scan# 1166
Delta R.T. -0.006 min
Lab File: 3b159462.d
Acq: 9 Apr 2020 5:15 pm

Tgt Ion: 96 Resp: 119655

Ion	Ratio	Lower	Upper
96	100		
61	130.9	115.3	175.3
98	61.1	36.1	96.1

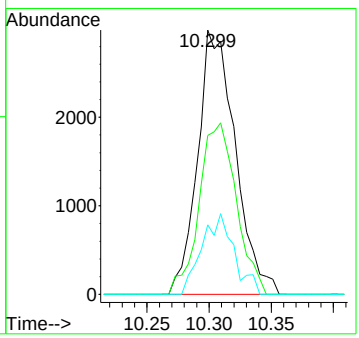


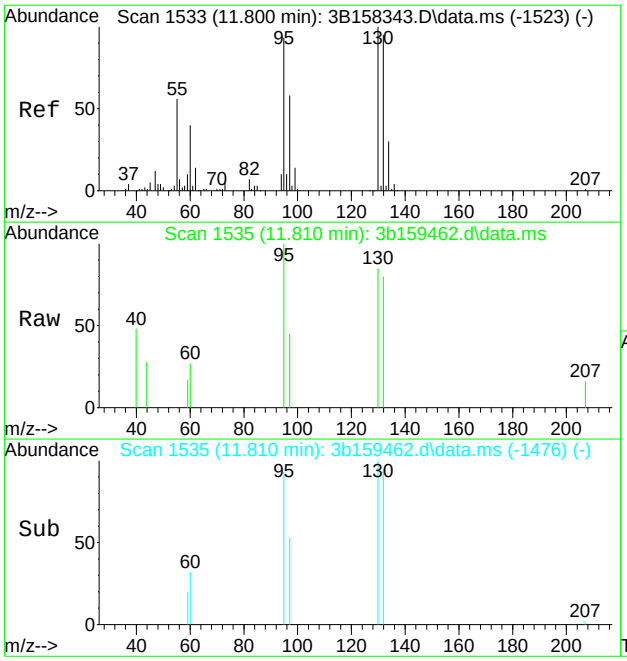


#44
chloroform
Concen: 2.15 ug/L
RT: 10.299 min Scan# 1246
Delta R.T. -0.010 min
Lab File: 3b159462.d
Acq: 9 Apr 2020 5:15 pm

Tgt Ion: 83 Resp: 6297

Ion	Ratio	Lower	Upper
83	100		
85	60.1	32.0	92.0
47	26.3	0.0	54.4

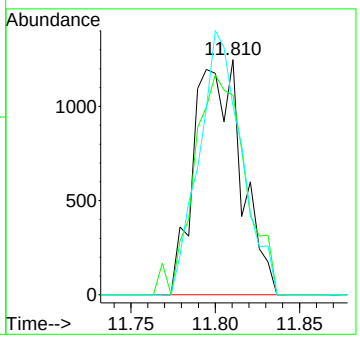


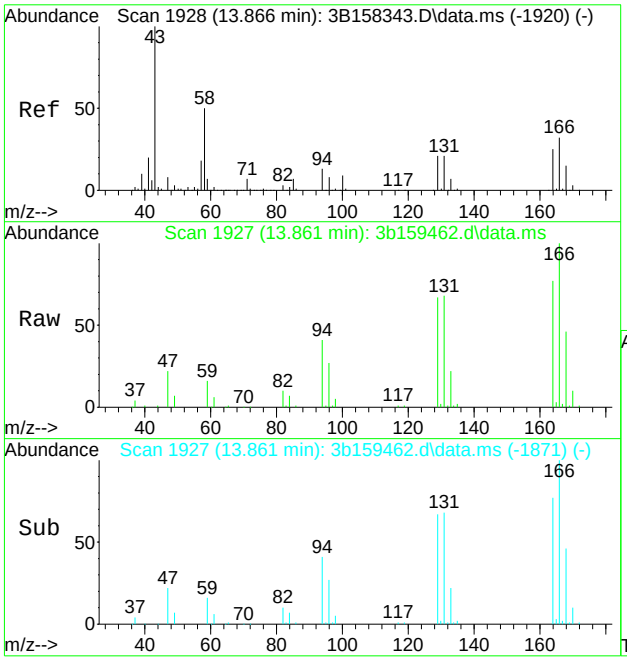


#63
trichloroethene
Concen: 1.65 ug/L
RT: 11.810 min Scan# 1535
Delta R.T. 0.010 min
Lab File: 3b159462.d
Acq: 9 Apr 2020 5:15 pm

Tgt Ion: 95 Resp: 2429

Ion	Ratio	Lower	Upper
95	100		
130	84.9	78.0	138.0
132	80.2	72.8	132.8

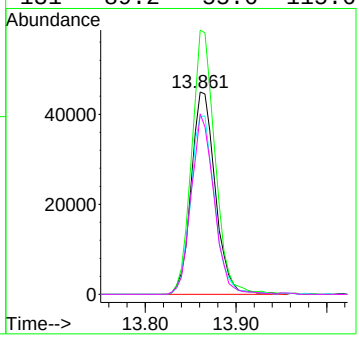




#81
tetrachloroethene
Concen: 55.11 ug/L
RT: 13.861 min Scan# 1927
Delta R.T. -0.005 min
Lab File: 3b159462.d
Acq: 9 Apr 2020 5:15 pm

Tgt Ion:164 Resp: 82416

Ion	Ratio	Lower	Upper
164	100		
166	130.7	96.6	156.6
129	88.0	55.2	115.2
131	89.2	55.6	115.6



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\davem1\04-10-20\v3b7181\
Data File : 3b159455.d
Acq On : 9 Apr 2020 1:56 pm
Operator : krizhkac
Sample : jd5554-10 Inst : MS3B
Misc : MS42336,V3B7181,5,,,,1
ALS Vial : 13 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3B7128.M
Quant Results File: M3B7128.RES
Quant Time: Apr 10 02:45:55 2020
Quant Title : SW846 8260C, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Mon Feb 17 10:01:00 2020
Response via : Initial Calibration

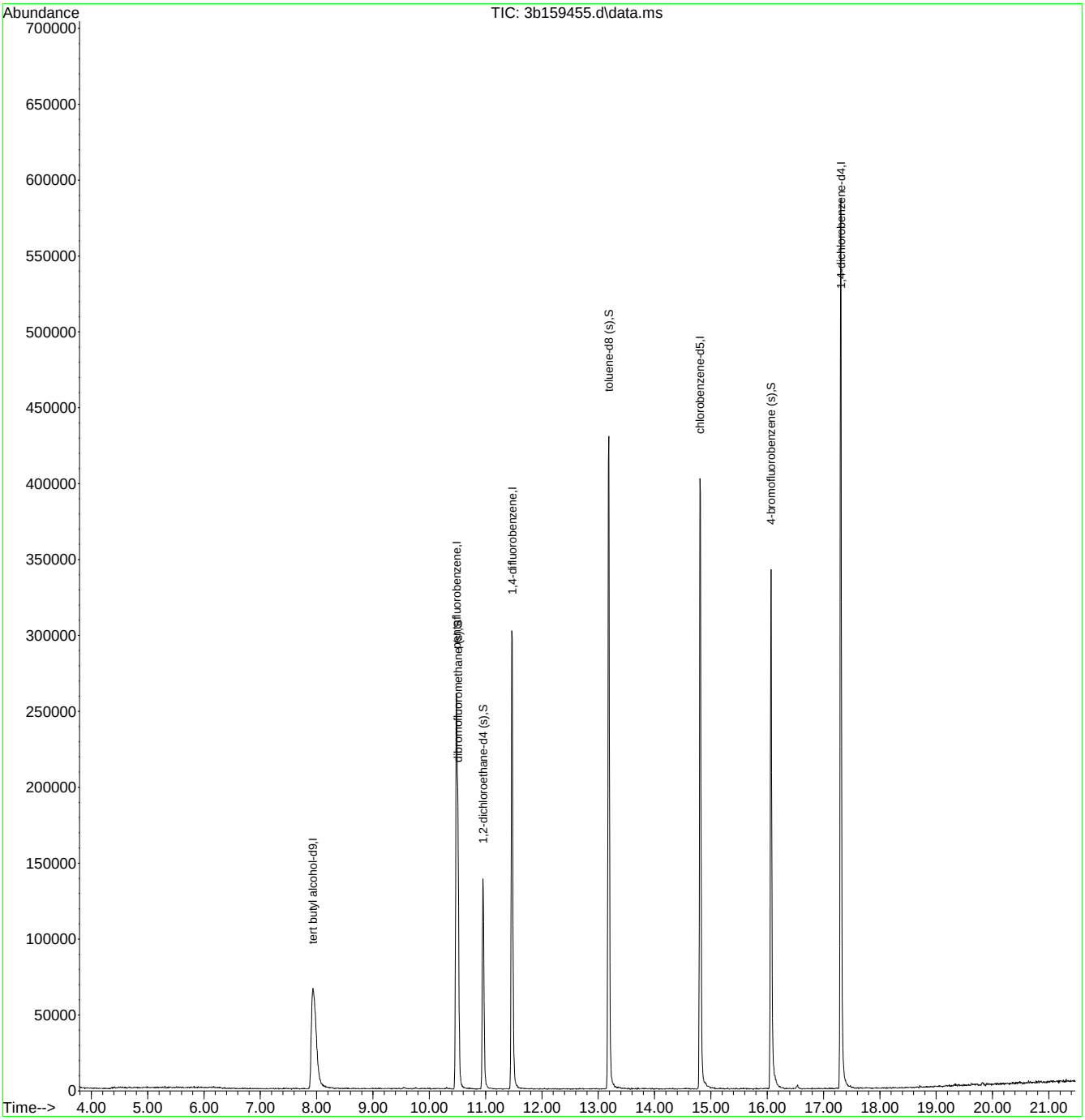
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	7.935	65	226858	500.00	ug/L	-0.02
5) pentafluorobenzene	10.482	168	190888	50.00	ug/L	0.00
54) 1,4-difluorobenzene	11.471	114	272248	50.00	ug/L	0.00
75) chlorobenzene-d5	14.807	117	254590	50.00	ug/L	0.00
99) 1,4-dichlorobenzene-d4	17.308	152	174855	50.00	ug/L	0.00
System Monitoring Compounds						
46) dibromofluoromethane (s)	10.508	113	92781	52.71	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 105.42%			
55) 1,2-dichloroethane-d4 (s)	10.958	65	112137	48.33	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 96.66%			
76) toluene-d8 (s)	13.186	98	309112	51.35	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 102.70%			
100) 4-bromofluorobenzene (s)	16.068	95	122501	49.49	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 98.98%			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\davem1\04-10-20\v3b7181\
Data File : 3b159455.d
Acq On : 9 Apr 2020 1:56 pm
Operator : krizhkac
Sample : jd5554-10 Inst : MS3B
Misc : MS42336,V3B7181,5,,,,1
ALS Vial : 13 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3B7128.M
Quant Results File: M3B7128.RES
Quant Time: Apr 10 02:45:55 2020
Quant Title : SW846 8260C, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Mon Feb 17 10:01:00 2020
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\davem1\04-10-20\v3b7181\
Data File : 3b159456.d
Acq On : 9 Apr 2020 2:24 pm
Operator : krizhkac
Sample : jd5554-11 Inst : MS3B
Misc : MS42336,V3B7181,5,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3B7128.M
Quant Results File: M3B7128.RES
Quant Time: Apr 10 02:46:20 2020
Quant Title : SW846 8260C, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Mon Feb 17 10:01:00 2020
Response via : Initial Calibration

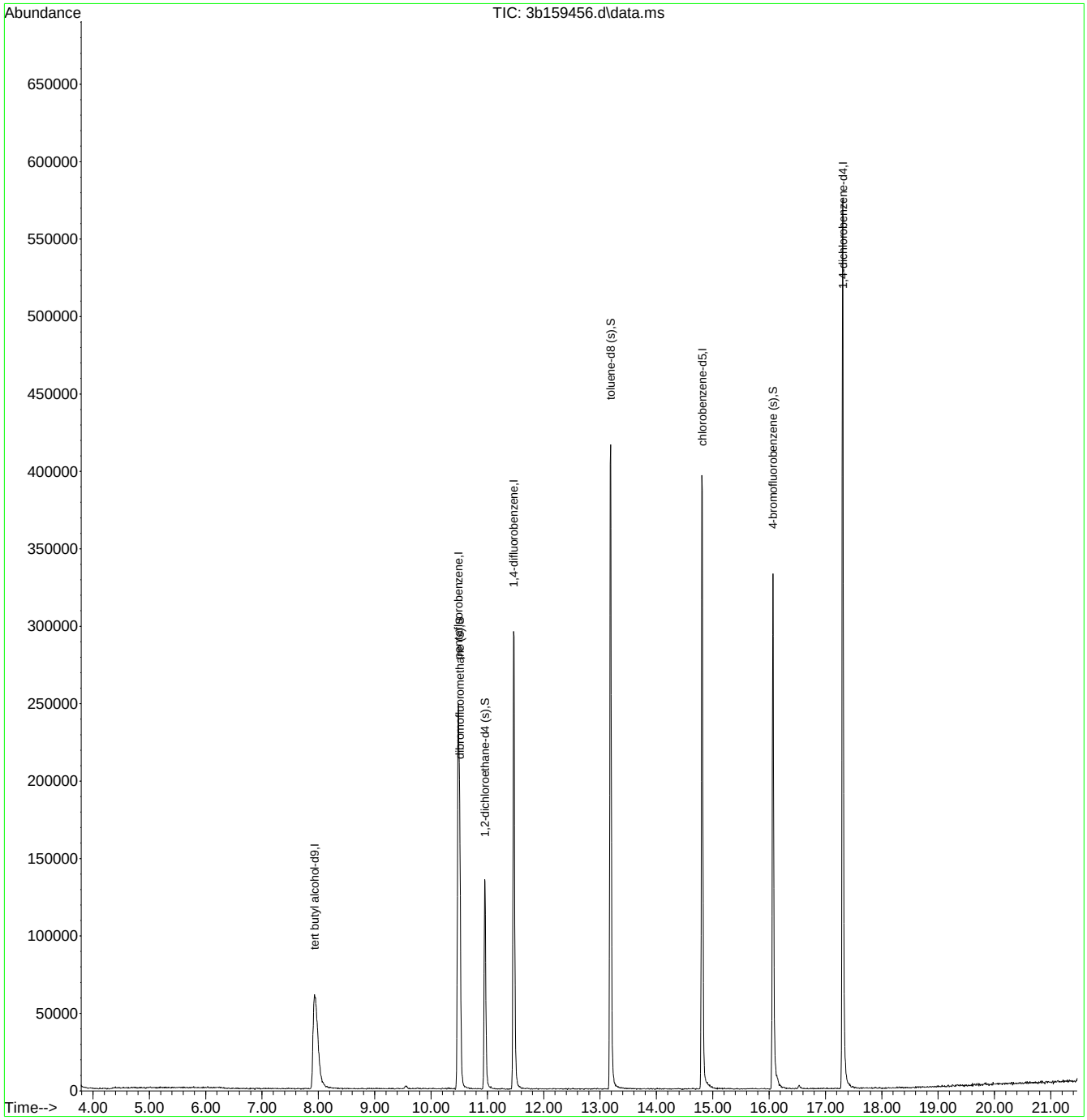
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	7.930	65	205396	500.00	ug/L	-0.02
5) pentafluorobenzene	10.482	168	185263	50.00	ug/L	0.00
54) 1,4-difluorobenzene	11.465	114	264503	50.00	ug/L	0.00
75) chlorobenzene-d5	14.813	117	248473	50.00	ug/L	0.00
99) 1,4-dichlorobenzene-d4	17.307	152	172990	50.00	ug/L	0.00
System Monitoring Compounds						
46) dibromofluoromethane (s)	10.508	113	92939	54.40	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 108.80%			
55) 1,2-dichloroethane-d4 (s)	10.958	65	108194	47.99	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 95.98%			
76) toluene-d8 (s)	13.186	98	303891	51.73	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 103.46%			
100) 4-bromofluorobenzene (s)	16.068	95	121232	49.50	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 99.00%			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\davem1\04-10-20\v3b7181\
Data File : 3b159456.d
Acq On : 9 Apr 2020 2:24 pm
Operator : krizhkac
Sample : jd5554-11 Inst : MS3B
Misc : MS42336,V3B7181,5,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3B7128.M
Quant Results File: M3B7128.RES
Quant Time: Apr 10 02:46:20 2020
Quant Title : SW846 8260C, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Mon Feb 17 10:01:00 2020
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\davem1\04-10-20\v3b7181\
Data File : 3b159466.d
Acq On : 9 Apr 2020 7:10 pm
Operator : krizhkac
Sample : jd5554-12 Inst : MS3B
Misc : MS42336,V3B7181,5,,,,100
ALS Vial : 24 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3B7128.M
Quant Results File: M3B7128.RES
Quant Time: Apr 10 02:52:44 2020
Quant Title : SW846 8260C, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Mon Feb 17 09:28:37 2020
Response via : Initial Calibration

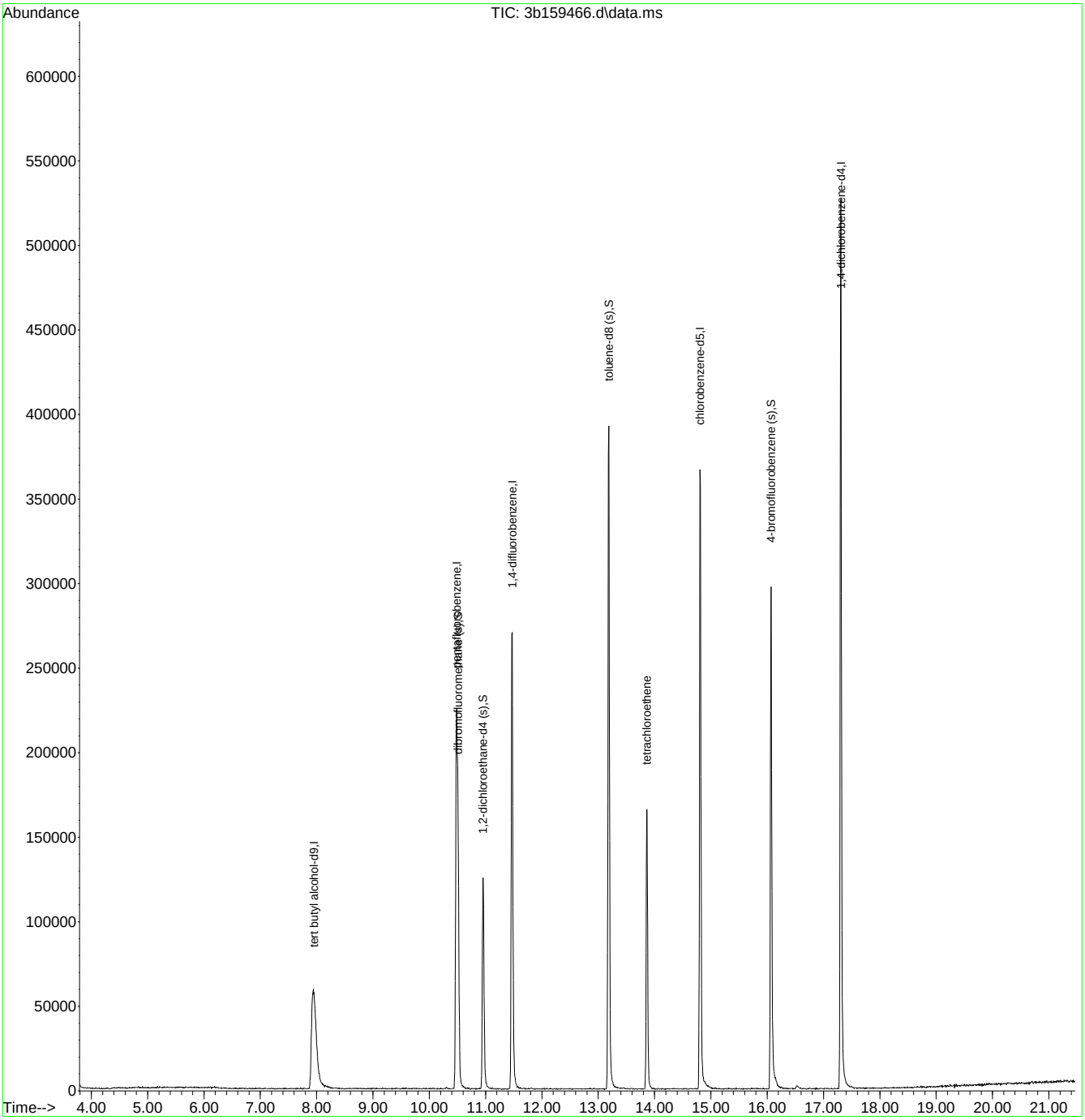
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	7.950	65	194779	500.00	ug/L	0.00
5) pentafluorobenzene	10.482	168	169396	50.00	ug/L	0.00
54) 1,4-difluorobenzene	11.470	114	241809	50.00	ug/L	0.00
75) chlorobenzene-d5	14.807	117	227668	50.00	ug/L	0.00
99) 1,4-dichlorobenzene-d4	17.307	152	153249	50.00	ug/L	0.00
System Monitoring Compounds						
46) dibromofluoromethane (s)	10.508	113	87088	55.75	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 111.50%			
55) 1,2-dichloroethane-d4 (s)	10.953	65	104107	50.51	ug/L	-0.01
Spiked Amount 50.000	Range 81 - 124		Recovery = 101.02%			
76) toluene-d8 (s)	13.186	98	281011	52.20	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 104.40%			
100) 4-bromofluorobenzene (s)	16.068	95	109380	50.42	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.84%			
Target Compounds						Qvalue
81) tetrachloroethene	13.861	164	41867	28.12	ug/L	96

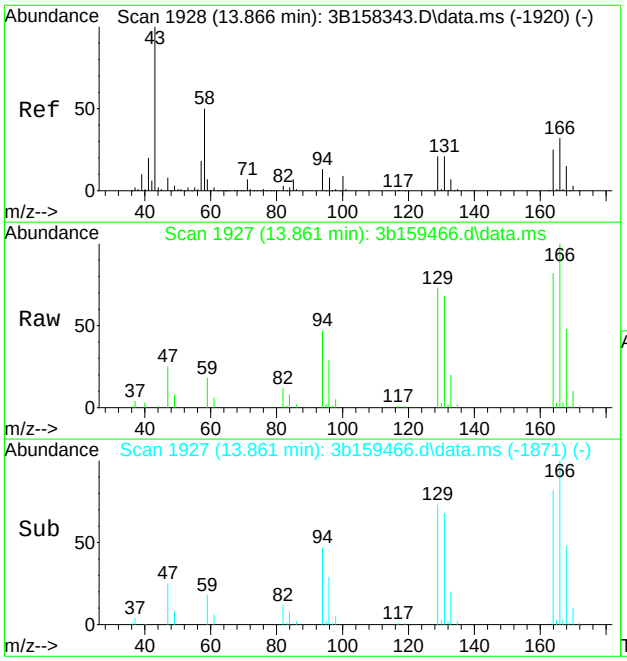
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\davem1\04-10-20\v3b7181\
Data File : 3b159466.d
Acq On : 9 Apr 2020 7:10 pm
Operator : krizhkac
Sample : jd5554-12 Inst : MS3B
Misc : MS42336,V3B7181,5,,,,100
ALS Vial : 24 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3B7128.M
Quant Results File: M3B7128.RES
Quant Time: Apr 10 02:52:44 2020
Quant Title : SW846 8260C, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Mon Feb 17 09:28:37 2020
Response via : Initial Calibration

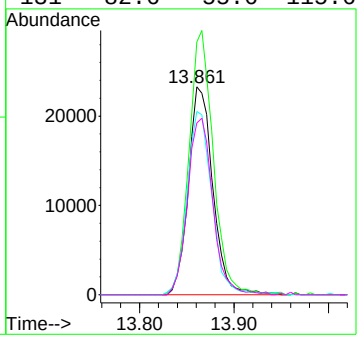




#81
tetrachloroethene
Concen: 28.12 ug/L
RT: 13.861 min Scan# 1927
Delta R.T. -0.005 min
Lab File: 3b159466.d
Acq: 9 Apr 2020 7:10 pm

Tgt Ion:164 Resp: 41867

Ion	Ratio	Lower	Upper
164	100		
166	121.5	96.6	156.6
129	88.1	55.2	115.2
131	82.6	55.6	115.6



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\davem1\04-10-20\v3b7181\
Data File : 3b159468.d
Acq On : 9 Apr 2020 8:07 pm
Operator : krizhkac
Sample : jd5554-12 Inst : MS3B
Misc : MS42336,V3B7181,5,,,,10
ALS Vial : 26 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3B7128.M
Quant Results File: M3B7128.RES
Quant Time: Apr 10 02:53:45 2020
Quant Title : SW846 8260C, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Mon Feb 17 09:28:37 2020
Response via : Initial Calibration

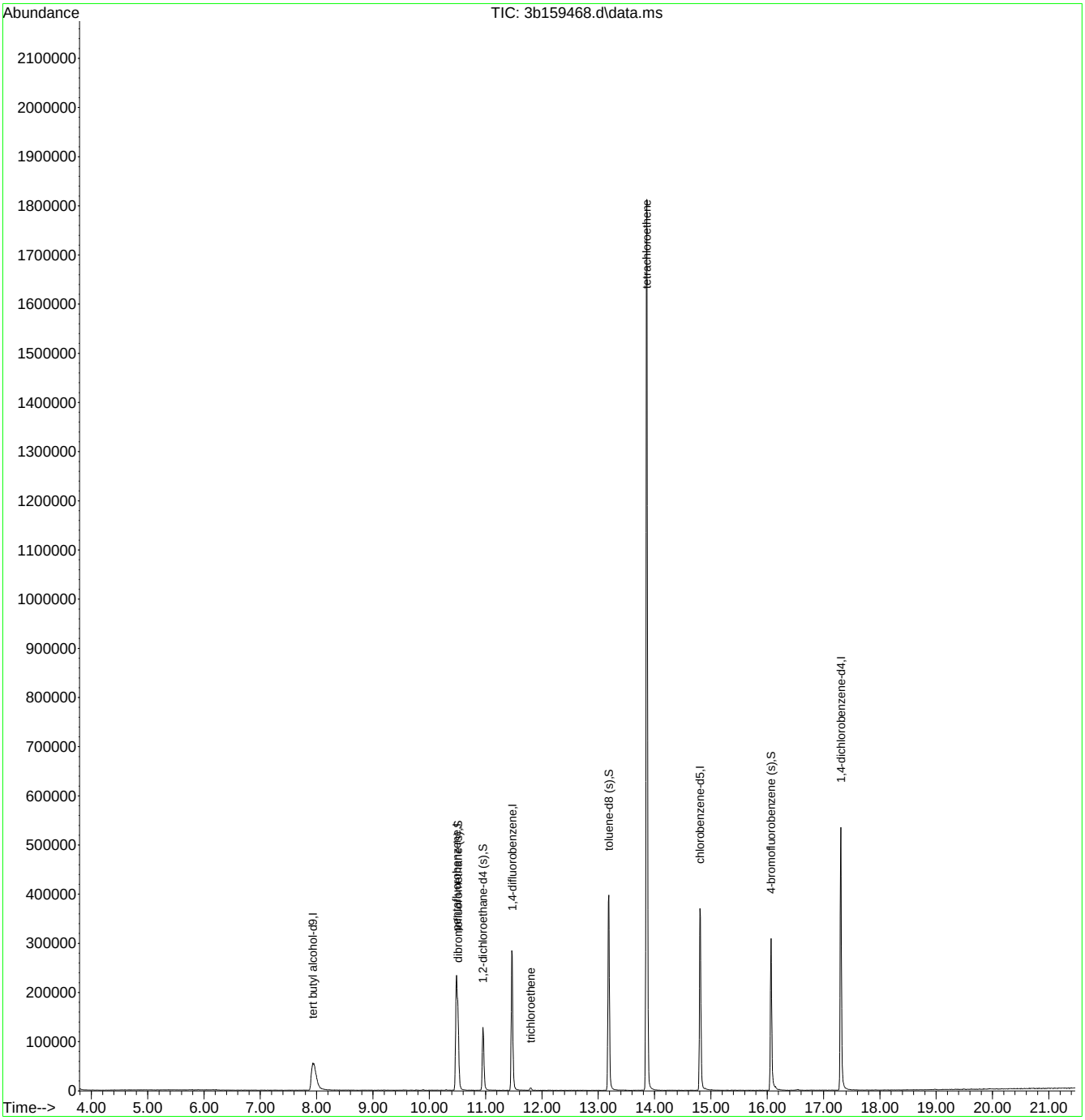
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	7.930	65	187674	500.00	ug/L	-0.02
5) pentafluorobenzene	10.482	168	170042	50.00	ug/L	0.00
54) 1,4-difluorobenzene	11.470	114	243645	50.00	ug/L	0.00
75) chlorobenzene-d5	14.807	117	228226	50.00	ug/L	0.00
99) 1,4-dichlorobenzene-d4	17.307	152	153721	50.00	ug/L	0.00
System Monitoring Compounds						
46) dibromofluoromethane (s)	10.508	113	86850	55.39	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 110.78%			
55) 1,2-dichloroethane-d4 (s)	10.953	65	105763	50.93	ug/L	-0.01
Spiked Amount 50.000	Range 81 - 124		Recovery = 101.86%			
76) toluene-d8 (s)	13.186	98	281013	52.08	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 104.16%			
100) 4-bromofluorobenzene (s)	16.068	95	110620	50.83	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 101.66%			
Target Compounds						Qvalue
63) trichloroethene	11.800	95	2272	1.56	ug/L	91
81) tetrachloroethene	13.861	164	432819	290.00	ug/L	98

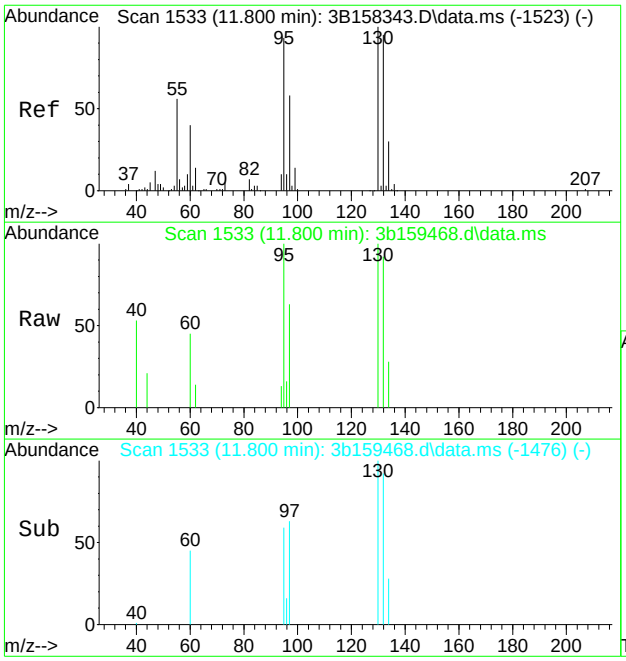
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\davem1\04-10-20\v3b7181\
Data File : 3b159468.d
Acq On : 9 Apr 2020 8:07 pm
Operator : krizhkac
Sample : jd5554-12 Inst : MS3B
Misc : MS42336,V3B7181,5,,,,10
ALS Vial : 26 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3B7128.M
Quant Results File: M3B7128.RES
Quant Time: Apr 10 02:53:45 2020
Quant Title : SW846 8260C, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Mon Feb 17 09:28:37 2020
Response via : Initial Calibration

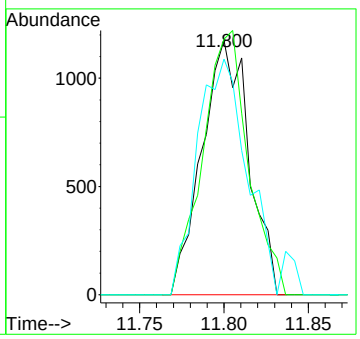


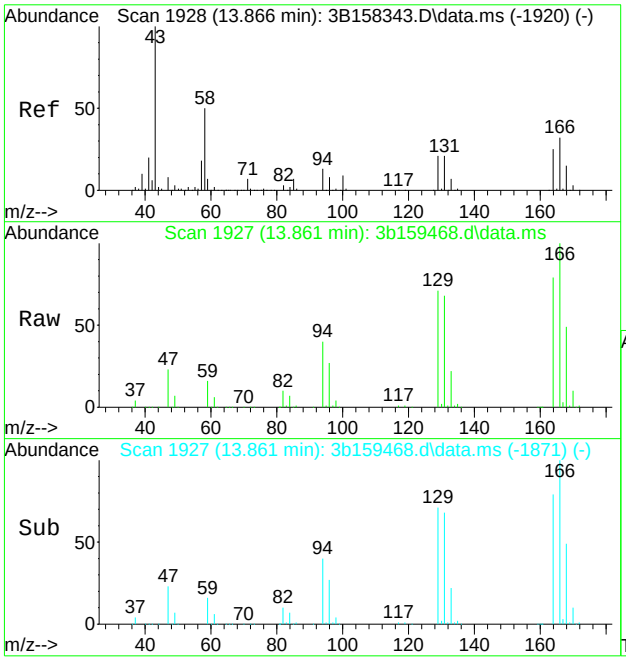


#63
trichloroethene
Concen: 1.56 ug/L
RT: 11.800 min Scan# 1533
Delta R.T. -0.000 min
Lab File: 3b159468.d
Acq: 9 Apr 2020 8:07 pm

Tgt Ion: 95 Resp: 2272

Ion	Ratio	Lower	Upper
95	100		
130	100.4	78.0	138.0
132	92.7	72.8	132.8

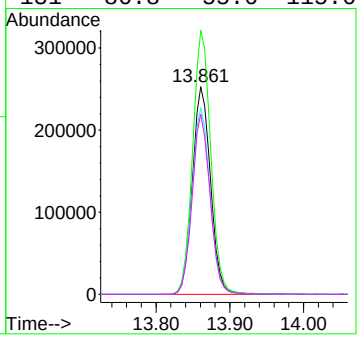




#81
tetrachloroethene
Concen: 290.00 ug/L
RT: 13.861 min Scan# 1927
Delta R.T. -0.005 min
Lab File: 3b159468.d
Acq: 9 Apr 2020 8:07 pm

Tgt Ion:164 Resp: 432819

Ion	Ratio	Lower	Upper
164	100		
166	127.3	96.6	156.6
129	89.9	55.2	115.2
131	86.8	55.6	115.6



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\davem1\04-10-20\v3b7181\
Data File : 3b159447.d
Acq On : 9 Apr 2020 9:56 am
Operator : krizhkac
Sample : mb Inst : MS3B
Misc : MS37677,V3B7181,5,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3B7128.M
Quant Results File: M3B7128.RES
Quant Time: Apr 10 02:29:04 2020
Quant Title : SW846 8260C, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Mon Feb 17 10:01:00 2020
Response via : Initial Calibration

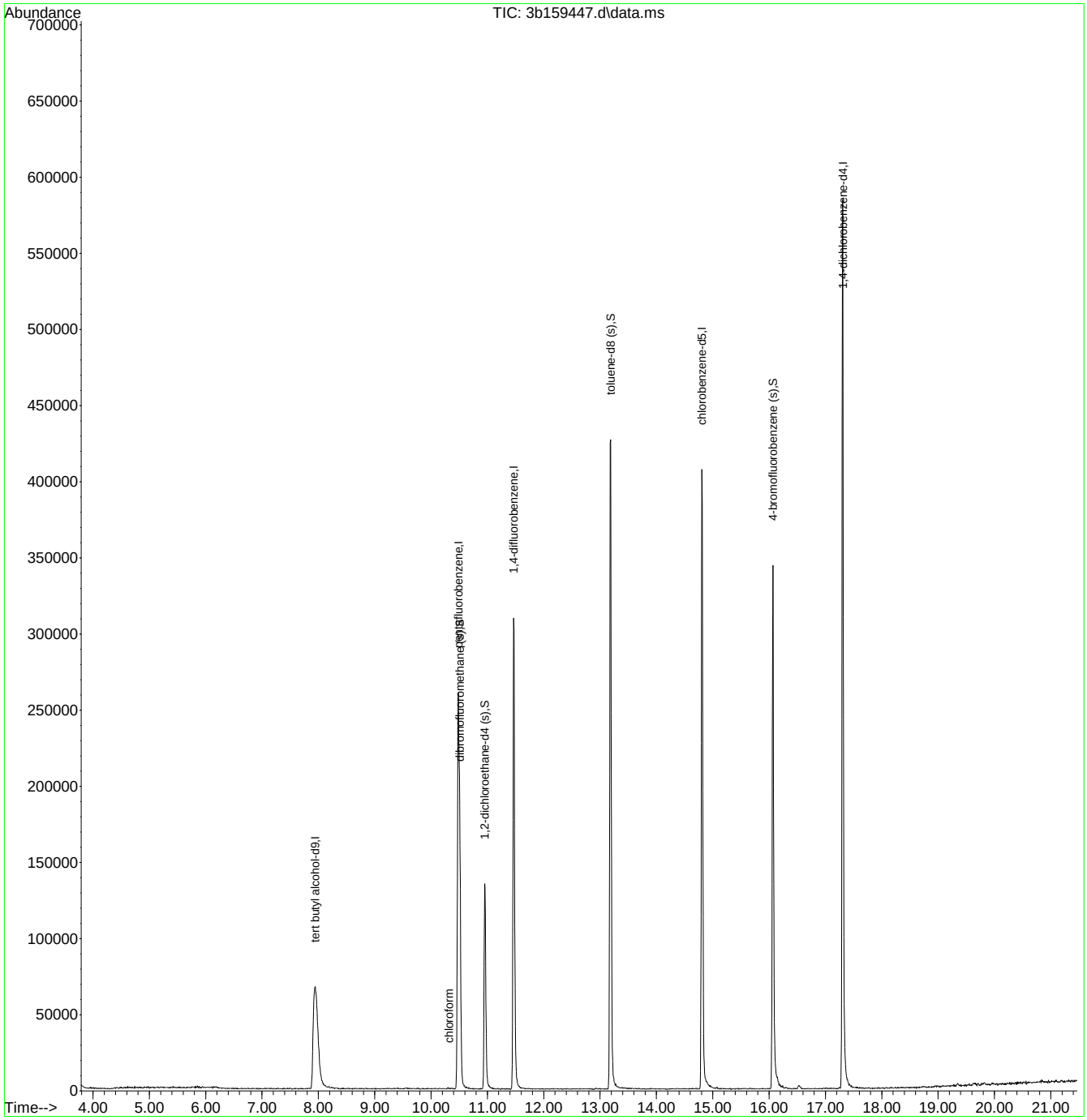
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	7.940	65	231026	500.00	ug/L	-0.01
5) pentafluorobenzene	10.482	168	196512	50.00	ug/L	0.00
54) 1,4-difluorobenzene	11.465	114	274500	50.00	ug/L	0.00
75) chlorobenzene-d5	14.808	117	259344	50.00	ug/L	0.00
99) 1,4-dichlorobenzene-d4	17.308	152	179292	50.00	ug/L	0.00
System Monitoring Compounds						
46) dibromofluoromethane (s)	10.508	113	95601	52.75	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 105.50%			
55) 1,2-dichloroethane-d4 (s)	10.953	65	110077	47.05	ug/L	-0.01
Spiked Amount 50.000	Range 81 - 124		Recovery = 94.10%			
76) toluene-d8 (s)	13.186	98	310091	50.57	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 101.14%			
100) 4-bromofluorobenzene (s)	16.068	95	125786	49.56	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 99.12%			
Target Compounds						Qvalue
44) chloroform	10.320	83	664	0.20	ug/L	63

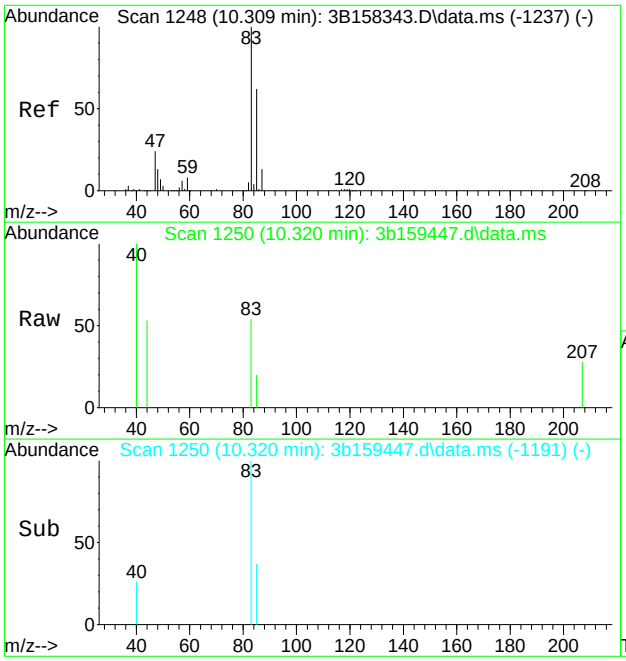
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\davem1\04-10-20\v3b7181\
Data File : 3b159447.d
Acq On : 9 Apr 2020 9:56 am
Operator : krizhkac
Sample : mb Inst : MS3B
Misc : MS37677,V3B7181,5,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3B7128.M
Quant Results File: M3B7128.RES
Quant Time: Apr 10 02:29:04 2020
Quant Title : SW846 8260C, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Mon Feb 17 10:01:00 2020
Response via : Initial Calibration

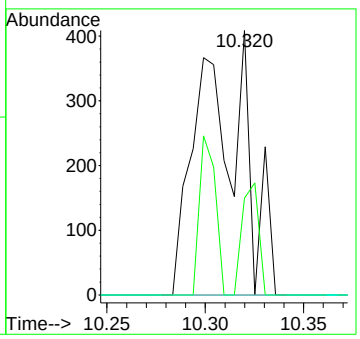




#44
chloroform
Concen: 0.20 ug/L
RT: 10.320 min Scan# 1250
Delta R.T. 0.011 min
Lab File: 3b159447.d
Acq: 9 Apr 2020 9:56 am

Tgt Ion: 83 Resp: 664

Ion	Ratio	Lower	Upper
83	100		
85	36.7	32.0	92.0
47	0.0	0.0	54.4



7.2.1

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\kristelv\april 2020\04152020\v3b7186\
Data File : 3b159533.d
Acq On : 14 Apr 2020 9:58 am
Operator : mariceld
Sample : mb Inst : MS3B
Misc : MS42471,V3B7186,5,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3B7128.M
Quant Results File: M3B7128.RES
Quant Time: Apr 15 03:39:26 2020
Quant Title : SW846 8260C, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Mon Feb 17 10:01:00 2020
Response via : Initial Calibration

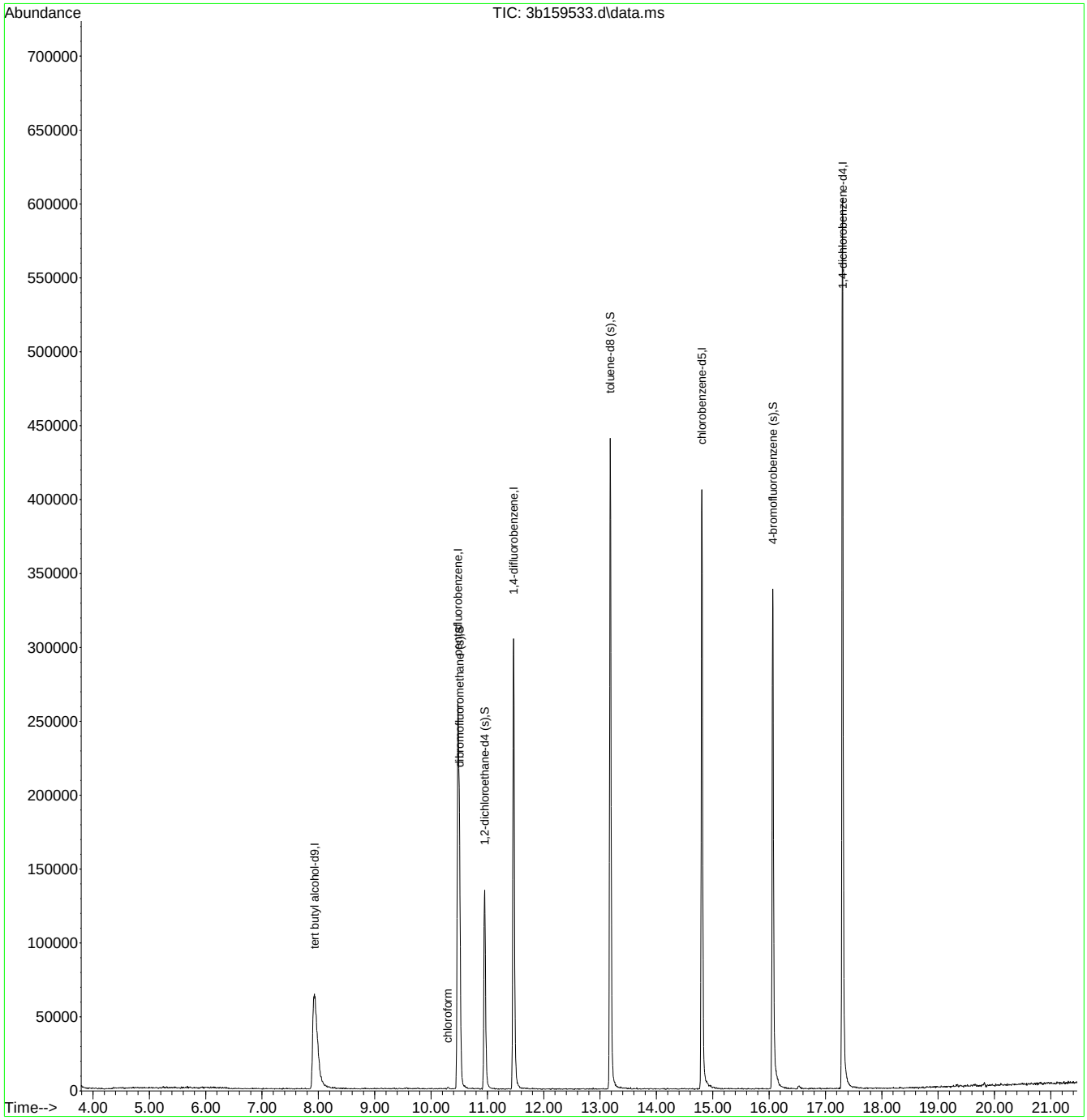
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	7.930	65	223399	500.00	ug/L	-0.02
5) pentafluorobenzene	10.477	168	190279	50.00	ug/L	-0.01
54) 1,4-difluorobenzene	11.465	114	266663	50.00	ug/L	0.00
75) chlorobenzene-d5	14.808	117	257750	50.00	ug/L	0.00
99) 1,4-dichlorobenzene-d4	17.302	152	181128	50.00	ug/L	0.00
System Monitoring Compounds						
46) dibromofluoromethane (s)	10.503	113	91598	52.20	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 104.40%			
55) 1,2-dichloroethane-d4 (s)	10.953	65	112569	49.53	ug/L	-0.01
Spiked Amount 50.000	Range 81 - 124		Recovery = 99.06%			
76) toluene-d8 (s)	13.181	98	306946	50.37	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.74%			
100) 4-bromofluorobenzene (s)	16.063	95	125886	49.09	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 98.18%			
Target Compounds						Qvalue
44) chloroform	10.294	83	1044	0.32	ug/L	85

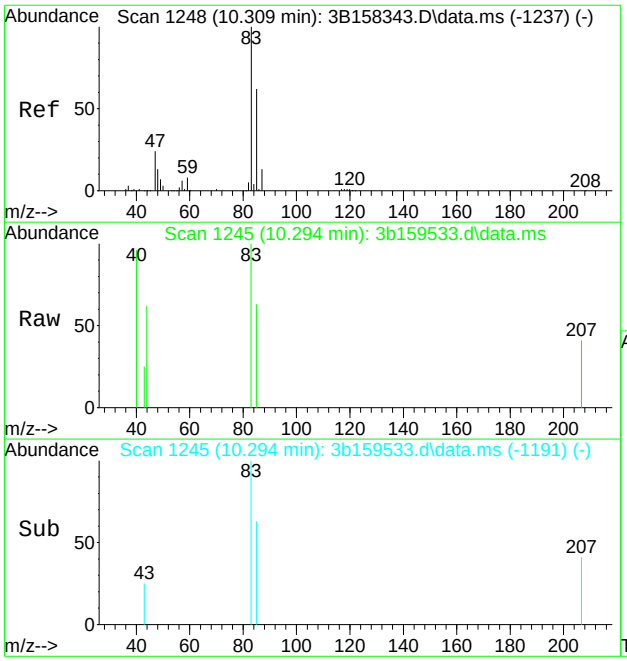
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\kristelv\april 2020\04152020\v3b7186\
Data File : 3b159533.d
Acq On : 14 Apr 2020 9:58 am
Operator : mariceld
Sample : mb Inst : MS3B
Misc : MS42471,V3B7186,5,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3B7128.M
Quant Results File: M3B7128.RES
Quant Time: Apr 15 03:39:26 2020
Quant Title : SW846 8260C, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Mon Feb 17 10:01:00 2020
Response via : Initial Calibration

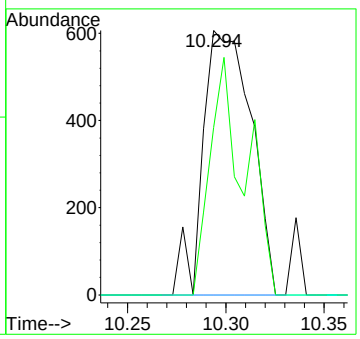




#44
chloroform
Concen: 0.32 ug/L
RT: 10.294 min Scan# 1245
Delta R.T. -0.015 min
Lab File: 3b159533.d
Acq: 14 Apr 2020 9:58 am

Tgt Ion: 83 Resp: 1044

Ion	Ratio	Lower	Upper
83	100		
85	63.3	32.0	92.0
47	0.0	0.0	54.4



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\davem1\04-10-20\v3b7181\
Data File : 3b159445.d
Acq On : 9 Apr 2020 8:58 am
Operator : krizhkac
Sample : bs Inst : MS3B
Misc : MS37677,V3B7181,5,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3B7128.M
Quant Results File: M3B7128.RES
Quant Time: Apr 10 02:27:43 2020
Quant Title : SW846 8260C, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Mon Feb 17 10:01:00 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	7.945	65	235317	500.00	ug/L	0.00
5) pentafluorobenzene	10.482	168	199687	50.00	ug/L	0.00
54) 1,4-difluorobenzene	11.465	114	284887	50.00	ug/L	0.00
75) chlorobenzene-d5	14.807	117	275697	50.00	ug/L	0.00
99) 1,4-dichlorobenzene-d4	17.302	152	182429	50.00	ug/L	0.00
System Monitoring Compounds						
46) dibromofluoromethane (s)	10.508	113	95858	52.06	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 104.12%			
55) 1,2-dichloroethane-d4 (s)	10.958	65	109093	44.93	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 89.86%			
76) toluene-d8 (s)	13.181	98	335278	51.43	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 102.86%			
100) 4-bromofluorobenzene (s)	16.063	95	133251	51.60	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 103.20%			
Target Compounds						Qvalue
3) tertiary butyl alcohol	8.071	59	128804	234.19	ug/L	98
4) 1,4-dioxane	12.145	88	43931	1265.07	ug/L	86
7) dichlorodifluoromethane	4.106	85	285630	47.87	ug/L	99
8) chloromethane	4.535	50	268885	45.99	ug/L	99
9) vinyl chloride	4.802	62	246401	43.67	ug/L	97
10) 1,3-butadiene	4.849	54	127592	43.09	ug/L	90
11) bromomethane	5.508	94	163678	48.19	ug/L	97
12) chloroethane	5.712	64	99306	48.78	ug/L	96
13) trichlorofluoromethane	6.246	101	265834	47.21	ug/L	99
14) vinyl bromide	6.104	106	126720	45.41	ug/L	96
15) ethyl ether	6.701	74	47184	54.35	ug/L	98
17) acrolein	6.952	56	24533	48.75	ug/L	87
18) freon 113	7.192	151	117986	50.28	ug/L	93
19) 1,1-dichloroethene	7.171	96	110943	53.05	ug/L	94
20) acetone	7.166	43	158481	193.70	ug/L	94
21) acetonitrile	7.637	41	206703	493.28	ug/L	99
22) iodomethane	7.469	142	318793	86.90	ug/L	93
23) carbon disulfide	7.637	76	367881	54.02	ug/L	97
24) methylene chloride	8.003	84	121954	56.46	ug/L	92
25) methyl acetate	7.721	43	85388	51.03	ug/L	97
26) methyl tert butyl ether	8.416	73	379488	51.06	ug/L	96
27) trans-1,2-dichloroethene	8.458	96	96445	53.03	ug/L	95
28) hexane	8.861	56	62365	49.08	ug/L	98
29) di-isopropyl ether	9.101	45	345581	47.18	ug/L	95
30) 2-butanone	9.802	72	52485	217.53	ug/L	96
31) 1,1-dichloroethane	9.096	63	170064	51.29	ug/L	98
32) chloroprene	9.206	53	129858	46.28	ug/L	96
33) acrylonitrile	8.317	53	43542	54.15	ug/L	95
34) vinyl acetate	9.033	86	16924	53.06	ug/L #	58
35) ethyl tert-butyl ether	9.614	59	387006	52.30	ug/L	97
36) ethyl acetate	9.839	45	19397	46.41	ug/L #	85
37) 2,2-dichloropropane	9.917	77	214145	49.82	ug/L	94
38) cis-1,2-dichloroethene	9.881	96	102231	54.09	ug/L	95
39) propionitrile	9.870	54	166119	588.42	ug/L	97
40) methyl acrylate	9.928	85	15730	68.95	ug/L #	83
41) methacrylonitrile	10.095	67	40275	52.36	ug/L	83
42) bromochloromethane	10.210	128	55056	53.04	ug/L	90
43) tetrahydrofuran	10.231	42	35527	47.34	ug/L	98
44) chloroform	10.304	83	169943	49.72	ug/L	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\davem1\04-10-20\v3b7181\
Data File : 3b159445.d
Acq On : 9 Apr 2020 8:58 am
Operator : krizhkac
Sample : bs Inst : MS3B
Misc : MS37677,V3B7181,5,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3B7128.M
Quant Results File: M3B7128.RES
Quant Time: Apr 10 02:27:43 2020
Quant Title : SW846 8260C, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Mon Feb 17 10:01:00 2020
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45)	tert-Butyl Formate	10.336	59	135135	60.56	ug/L		93
47)	1,1,1-trichloroethane	10.581	97	222247	48.38	ug/L		97
48)	cyclohexane	10.707	84	173369	50.04	ug/L		95
50)	1,1-dichloropropene	10.765	75	115275	51.66	ug/L		95
51)	carbon tetrachloride	10.796	117	197803	49.02	ug/L		96
52)	tert-amyl alcohol	10.900	73	58456	236.64	ug/L		97
53)	isopropyl acetate	10.932	87	23494	53.95	ug/L	#	81
56)	n-butyl alcohol	11.507	56	234790	2361.21	ug/L		95
57)	2,2,4-trimethylpentane	11.136	57	447363	56.36	ug/L		99
58)	benzene	11.021	78	333524	49.10	ug/L		94
59)	tert-amyl methyl ether	11.120	73	374629	49.25	ug/L		99
60)	heptane	11.308	57	66782	51.57	ug/L		95
61)	1,2-dichloroethane	11.052	62	130783	42.79	ug/L		98
62)	ethyl acrylate	11.779	55	129626	49.08	ug/L		99
63)	trichloroethene	11.795	95	91164	53.58	ug/L		98
64)	2-chloroethyl vinyl ether	12.621	63	320079	278.26	ug/L		99
65)	methyl methacrylate	12.051	100	25892	49.66	ug/L		94
66)	methylcyclohexane	12.114	83	200873	48.54	ug/L		99
67)	1,2-dichloropropane	12.093	63	91673	50.57	ug/L		93
68)	dibromomethane	12.208	93	62326	49.58	ug/L		99
69)	bromodichloromethane	12.375	83	134844	47.53	ug/L		99
70)	2-nitropropane	12.559	41	31076	42.53	ug/L		99
71)	epichlorohydrin	12.700	57	62525	228.05	ug/L		95
72)	cis-1,3-dichloropropene	12.857	75	149160	51.08	ug/L		89
73)	4-methyl-2-pentanone	12.946	58	199454	203.88	ug/L	#	85
74)	isoamyl alcohol	12.956	70	101766	941.02	ug/L		93
77)	toluene	13.265	92	217778	49.01	ug/L		98
78)	ethyl methacrylate	13.448	69	125806	49.39	ug/L		90
79)	trans-1,3-dichloropropene	13.463	75	140886	50.16	ug/L		90
80)	1,1,2-trichloroethane	13.699	83	71069	49.60	ug/L		94
81)	tetrachloroethene	13.861	164	85654	47.51	ug/L		98
82)	2-hexanone	13.861	58	183679	190.27	ug/L	#	86
83)	1,3-dichloropropane	13.887	76	133792	47.85	ug/L		96
84)	butyl acetate	13.955	56	72595	50.78	ug/L		92
85)	dibromochloromethane	14.164	129	114607	47.06	ug/L		96
86)	1,2-dibromoethane	14.326	107	108311	52.37	ug/L		99
87)	n-butyl ether	14.797	57	405373	49.59	ug/L		98
88)	chlorobenzene	14.844	112	253618	48.71	ug/L		98
89)	1,1,1,2-tetrachloroethane	14.912	131	130218	50.87	ug/L		97
90)	ethylbenzene	14.907	91	431683	48.00	ug/L		100
91)	m,p-xylene	15.038	106	342947	100.63	ug/L		97
92)	o-xylene	15.467	91	397690	50.16	ug/L		99
93)	styrene	15.482	104	279589	50.89	ug/L		99
94)	butyl acrylate	15.278	55	209267	45.75	ug/L		98
95)	n-amyl acetate	15.498	70	84032	52.36	ug/L	#	81
96)	isopropylbenzene	15.843	105	550075	52.67	ug/L		99
97)	bromoform	15.738	173	93665	46.93	ug/L		98
98)	cis-1,4-dichloro-2-butene	15.869	88	58156	47.37	ug/L		94
101)	1,1,2,2-tetrachloroethane	16.136	83	160369	52.14	ug/L		96
102)	trans-1,4-dichloro-2-b...	16.167	53	42535	48.81	ug/L		84
103)	1,2,3-trichloropropane	16.230	110	45631	50.97	ug/L		95
104)	bromobenzene	16.262	156	133407	51.60	ug/L		99
105)	n-propylbenzene	16.288	91	576504	54.41	ug/L		98
106)	2-chlorotoluene	16.434	126	129764	53.76	ug/L		94
107)	4-chlorotoluene	16.554	91	326160	50.31	ug/L		97
108)	1,3,5-trimethylbenzene	16.455	105	472623	54.87	ug/L		96
109)	tert-butylbenzene	16.816	119	435580	54.65	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\davem1\04-10-20\v3b7181\
Data File : 3b159445.d
Acq On : 9 Apr 2020 8:58 am
Operator : krizhkac
Sample : bs Inst : MS3B
Misc : MS37677,V3B7181,5,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3B7128.M
Quant Results File: M3B7128.RES
Quant Time: Apr 10 02:27:43 2020
Quant Title : SW846 8260C, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Mon Feb 17 10:01:00 2020
Response via : Initial Calibration

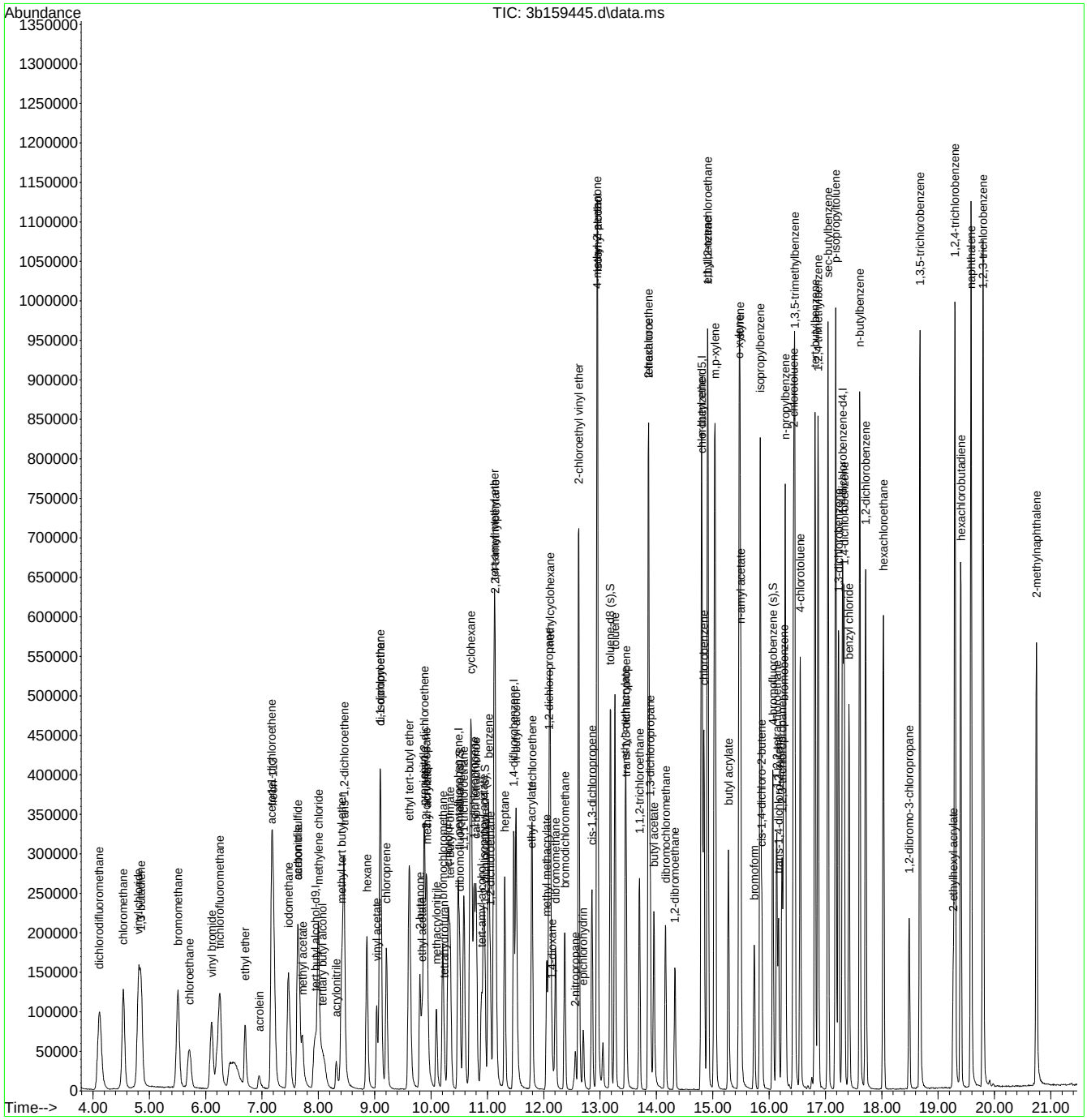
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
110) 1,2,4-trimethylbenzene	16.868	105	469178	53.17	ug/L	97
111) sec-butylbenzene	17.046	105	669315	57.22	ug/L	99
112) p-isopropyltoluene	17.182	119	577597	56.85	ug/L	97
113) 1,3-dichlorobenzene	17.234	146	261626	51.62	ug/L	99
114) 1,4-dichlorobenzene	17.334	146	264925	49.09	ug/L	97
115) 1,2-dichlorobenzene	17.716	146	294819	51.26	ug/L	99
116) benzyl chloride	17.417	91	356866	53.36	ug/L	99
117) n-butylbenzene	17.606	92	278833	56.70	ug/L	99
118) hexachloroethane	18.029	201	113045	55.18	ug/L	97
119) 1,2-dibromo-3-chloropr...	18.484	157	65575	48.08	ug/L	94
120) 1,3,5-trichlorobenzene	18.678	180	321181	49.84	ug/L	98
121) 2-ethylhexyl acrylate	19.269	70	37701	9.20	ug/L	91
122) 1,2,4-trichlorobenzene	19.295	180	340617	52.91	ug/L	94
123) hexachlorobutadiene	19.405	225	146986	48.76	ug/L	98
124) naphthalene	19.583	128	929551	52.26	ug/L	99
125) 1,2,3-trichlorobenzene	19.797	180	373347	53.12	ug/L	98
126) 2-methylnaphthalene	20.744	142	330127	29.01	ug/L	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\davem1\04-10-20\v3b7181\
Data File : 3b159445.d
Acq On : 9 Apr 2020 8:58 am
Operator : krizhkac
Sample : bs Inst : MS3B
Misc : MS37677,V3B7181,5,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3B7128.M
Quant Results File: M3B7128.RES
Quant Time: Apr 10 02:27:43 2020
Quant Title : SW846 8260C, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Mon Feb 17 10:01:00 2020
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\kristelv\april 2020\04152020\v3b7186\
Data File : 3b159531.d
Acq On : 14 Apr 2020 9:02 am
Operator : mariceld
Sample : bs Inst : MS3B
Misc : MS42471,V3B7186,5,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3B7128.M
Quant Results File: M3B7128.RES
Quant Time: Apr 15 03:34:56 2020
Quant Title : SW846 8260C, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Mon Feb 17 10:01:00 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	7.940	65	251518	500.00	ug/L		-0.01
5) pentafluorobenzene	10.477	168	188631	50.00	ug/L		-0.01
54) 1,4-difluorobenzene	11.465	114	270960	50.00	ug/L		0.00
75) chlorobenzene-d5	14.808	117	262943	50.00	ug/L		0.00
99) 1,4-dichlorobenzene-d4	17.302	152	181716	50.00	ug/L		0.00
System Monitoring Compounds							
46) dibromofluoromethane (s)	10.508	113	93329	53.65	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 107.30%				
55) 1,2-dichloroethane-d4 (s)	10.953	65	109074	47.23	ug/L		-0.01
Spiked Amount 50.000	Range 81 - 124		Recovery = 94.46%				
76) toluene-d8 (s)	13.181	98	324949	52.27	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 104.54%				
100) 4-bromofluorobenzene (s)	16.063	95	133641	51.95	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 103.90%				
Target Compounds							Qvalue
3) tertiary butyl alcohol	8.071	59	138293	235.25	ug/L		95
4) 1,4-dioxane	12.135	88	50741	1367.06	ug/L		96
7) dichlorodifluoromethane	4.112	85	303147	53.78	ug/L		95
8) chloromethane	4.530	50	264640	47.92	ug/L		97
9) vinyl chloride	4.792	62	234020	43.90	ug/L		99
10) 1,3-butadiene	4.844	54	86969	31.09	ug/L		93
11) bromomethane	5.503	94	158222	49.31	ug/L		94
12) chloroethane	5.696	64	93650	48.70	ug/L		95
13) trichlorofluoromethane	6.246	101	259209	48.73	ug/L		96
14) vinyl bromide	6.094	106	119609	45.38	ug/L		99
15) ethyl ether	6.690	74	37973	46.30	ug/L		91
17) acrolein	6.941	56	21475	45.18	ug/L		95
18) freon 113	7.198	151	93736	42.29	ug/L		95
19) 1,1-dichloroethene	7.171	96	81052	41.03	ug/L		96
20) acetone	7.166	43	156075	201.94	ug/L		98
21) acetonitrile	7.632	41	207889	525.18	ug/L		94
22) iodomethane	7.459	142	236238	68.17	ug/L		98
23) carbon disulfide	7.632	76	257261	39.99	ug/L		99
24) methylene chloride	7.993	84	101247	49.62	ug/L		92
25) methyl acetate	7.715	43	75358	47.68	ug/L		94
26) methyl tert butyl ether	8.416	73	353878	50.40	ug/L		98
27) trans-1,2-dichloroethene	8.453	96	79102	46.04	ug/L		99
28) hexane	8.856	56	48759	40.62	ug/L		97
29) di-isopropyl ether	9.096	45	323664	46.78	ug/L		98
30) 2-butanone	9.797	72	50623	222.11	ug/L		95
31) 1,1-dichloroethane	9.091	63	148255	47.33	ug/L		98
32) chloroprene	9.206	53	113945	42.99	ug/L		96
33) acrylonitrile	8.312	53	41718	54.92	ug/L		97
34) vinyl acetate	9.033	86	14792	49.09	ug/L	#	81
35) ethyl tert-butyl ether	9.609	59	367350	52.56	ug/L		98
36) ethyl acetate	9.834	45	18808	47.59	ug/L		98
37) 2,2-dichloropropane	9.912	77	202822	49.95	ug/L		96
38) cis-1,2-dichloroethene	9.875	96	88738	49.70	ug/L		96
39) propionitrile	9.865	54	169044	633.87	ug/L		97
40) methyl acrylate	9.928	85	14097	65.41	ug/L	#	91
41) methacrylonitrile	10.090	67	38875	53.51	ug/L		89
42) bromochloromethane	10.205	128	50974	51.99	ug/L		99
43) tetrahydrofuran	10.221	42	35679	50.33	ug/L		98
44) chloroform	10.299	83	158272	49.02	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\kristelv\april 2020\04152020\v3b7186\
Data File : 3b159531.d
Acq On : 14 Apr 2020 9:02 am
Operator : mariceld
Sample : bs Inst : MS3B
Misc : MS42471,V3B7186,5,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3B7128.M
Quant Results File: M3B7128.RES
Quant Time: Apr 15 03:34:56 2020
Quant Title : SW846 8260C, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Mon Feb 17 10:01:00 2020
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45)	tert-Butyl Formate	10.336	59	139597	66.23	ug/L		93
47)	1,1,1-trichloroethane	10.581	97	205781	47.42	ug/L		98
48)	cyclohexane	10.707	84	163780	50.05	ug/L		95
50)	1,1-dichloropropene	10.759	75	102867	48.80	ug/L		95
51)	carbon tetrachloride	10.796	117	181870	47.71	ug/L		98
52)	tert-amyl alcohol	10.895	73	63206	270.87	ug/L		96
53)	isopropyl acetate	10.932	87	22858	55.57	ug/L	#	64
56)	n-butyl alcohol	11.507	56	259794	2746.96	ug/L		95
57)	2,2,4-trimethylpentane	11.131	57	384506	50.93	ug/L		98
58)	benzene	11.016	78	305064	47.22	ug/L		95
59)	tert-amyl methyl ether	11.115	73	359969	49.75	ug/L		98
60)	heptane	11.303	57	59224	48.08	ug/L		94
61)	1,2-dichloroethane	11.047	62	131881	45.37	ug/L		95
62)	ethyl acrylate	11.774	55	130997	52.15	ug/L		97
63)	trichloroethene	11.790	95	80847	49.96	ug/L		96
64)	2-chloroethyl vinyl ether	12.616	63	311785	284.98	ug/L		98
65)	methyl methacrylate	12.056	100	25606	51.63	ug/L		96
66)	methylcyclohexane	12.109	83	173162	43.99	ug/L		96
67)	1,2-dichloropropane	12.088	63	85726	49.72	ug/L		93
68)	dibromomethane	12.208	93	60631	50.71	ug/L		96
69)	bromodichloromethane	12.370	83	131763	48.83	ug/L		96
70)	2-nitropropane	12.559	41	34270	49.31	ug/L		100
71)	epichlorohydrin	12.700	57	66864	256.42	ug/L		94
72)	cis-1,3-dichloropropene	12.851	75	146184	52.64	ug/L		91
73)	4-methyl-2-pentanone	12.946	58	198979	213.84	ug/L		88
74)	isoamyl alcohol	12.951	70	106569	1036.08	ug/L		95
77)	toluene	13.259	92	203579	48.04	ug/L		98
78)	ethyl methacrylate	13.448	69	124088	51.08	ug/L		94
79)	trans-1,3-dichloropropene	13.458	75	140193	52.33	ug/L		97
80)	1,1,2-trichloroethane	13.699	83	69444	50.81	ug/L		96
81)	tetrachloroethene	13.861	164	77965	45.34	ug/L		98
82)	2-hexanone	13.856	58	187024	203.04	ug/L		94
83)	1,3-dichloropropane	13.887	76	131182	49.19	ug/L		98
84)	butyl acetate	13.955	56	75185	55.15	ug/L		88
85)	dibromochloromethane	14.159	129	112232	48.32	ug/L		95
86)	1,2-dibromoethane	14.326	107	107915	54.71	ug/L		99
87)	n-butyl ether	14.792	57	386103	49.52	ug/L		99
88)	chlorobenzene	14.839	112	241180	48.57	ug/L		96
89)	1,1,1,2-tetrachloroethane	14.912	131	124619	51.04	ug/L		97
90)	ethylbenzene	14.907	91	415734	48.47	ug/L		99
91)	m,p-xylene	15.032	106	327671	100.81	ug/L		98
92)	o-xylene	15.467	91	391209	51.73	ug/L		98
93)	styrene	15.477	104	275972	52.67	ug/L		99
94)	butyl acrylate	15.273	55	215784	49.46	ug/L		99
95)	n-amyl acetate	15.493	70	85962	56.16	ug/L		90
96)	isopropylbenzene	15.838	105	522784	52.49	ug/L		99
97)	bromoform	15.733	173	93897	49.33	ug/L		95
98)	cis-1,4-dichloro-2-butene	15.869	88	60727	51.87	ug/L		93
101)	1,1,2,2-tetrachloroethane	16.131	83	164949	53.84	ug/L		96
102)	trans-1,4-dichloro-2-b...	16.162	53	46562	53.64	ug/L		89
103)	1,2,3-trichloropropane	16.225	110	46570	52.22	ug/L		97
104)	bromobenzene	16.256	156	131622	51.11	ug/L		96
105)	n-propylbenzene	16.288	91	558021	52.87	ug/L		98
106)	2-chlorotoluene	16.429	126	125735	52.30	ug/L		90
107)	4-chlorotoluene	16.549	91	321039	49.72	ug/L		99
108)	1,3,5-trimethylbenzene	16.450	105	463975	54.07	ug/L		97
109)	tert-butylbenzene	16.811	119	417440	52.58	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\kristelv\april 2020\04152020\v3b7186\
Data File : 3b159531.d
Acq On : 14 Apr 2020 9:02 am
Operator : mariceld
Sample : bs Inst : MS3B
Misc : MS42471,V3B7186,5,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3B7128.M
Quant Results File: M3B7128.RES
Quant Time: Apr 15 03:34:56 2020
Quant Title : SW846 8260C, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Mon Feb 17 10:01:00 2020
Response via : Initial Calibration

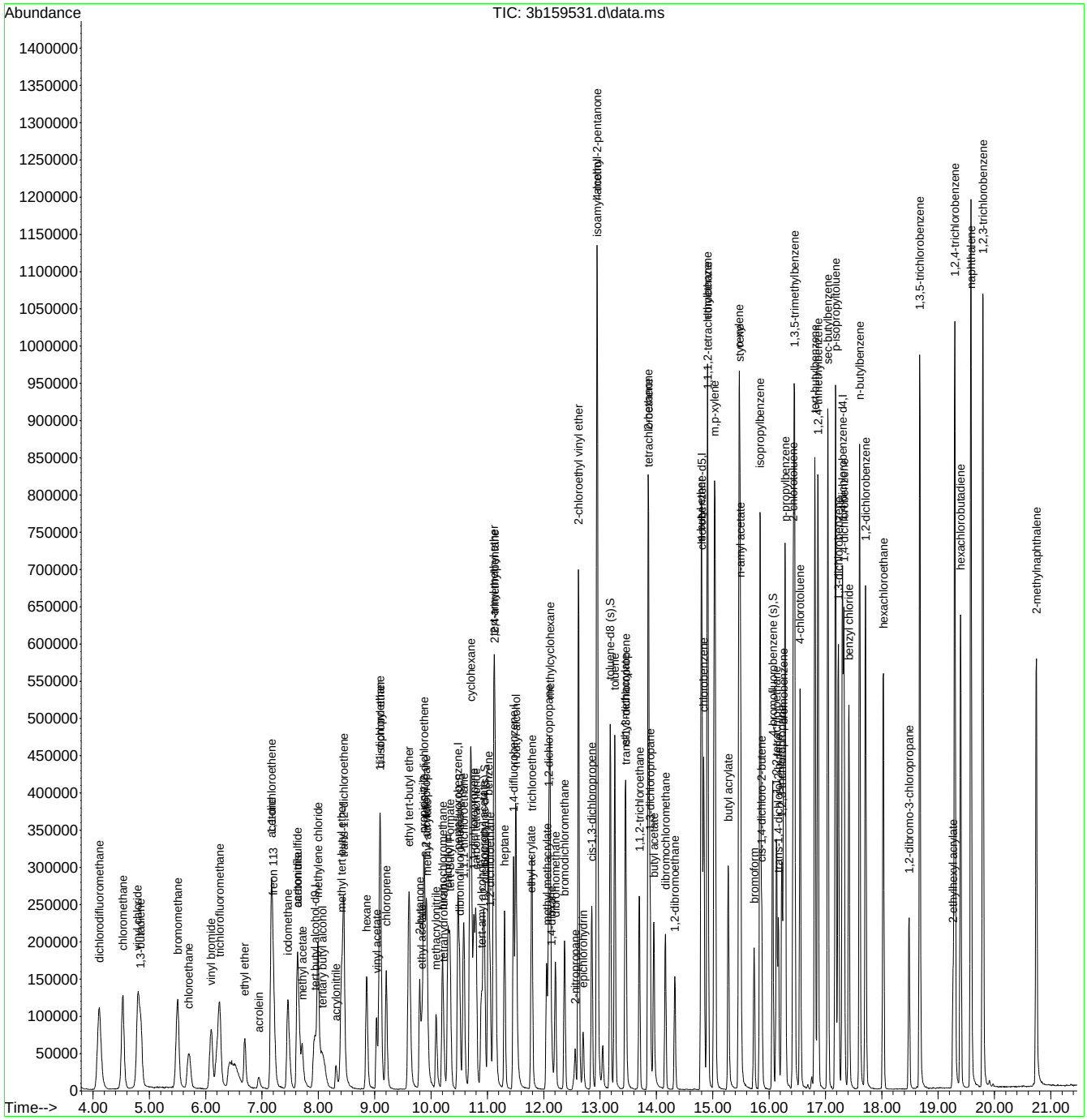
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
110) 1,2,4-trimethylbenzene	16.868	105	468029	53.25	ug/L	98
111) sec-butylbenzene	17.041	105	641524	55.06	ug/L	98
112) p-isopropyltoluene	17.182	119	555999	54.94	ug/L	98
113) 1,3-dichlorobenzene	17.229	146	259116	51.32	ug/L	96
114) 1,4-dichlorobenzene	17.328	146	265886	49.46	ug/L	100
115) 1,2-dichlorobenzene	17.710	146	293939	51.31	ug/L	98
116) benzyl chloride	17.417	91	378740	56.85	ug/L	99
117) n-butylbenzene	17.606	92	269249	54.96	ug/L	96
118) hexachloroethane	18.029	201	107951	52.90	ug/L	96
119) 1,2-dibromo-3-chloropr...	18.484	157	68650	50.53	ug/L	94
120) 1,3,5-trichlorobenzene	18.673	180	317445	49.45	ug/L	99
121) 2-ethylhexyl acrylate	19.264	70	37648	9.22	ug/L	94
122) 1,2,4-trichlorobenzene	19.295	180	341434	53.24	ug/L	95
123) hexachlorobutadiene	19.400	225	135804	45.23	ug/L	97
124) naphthalene	19.583	128	975163	55.04	ug/L	99
125) 1,2,3-trichlorobenzene	19.797	180	376171	53.73	ug/L	98
126) 2-methylnaphthalene	20.744	142	341538	30.13	ug/L	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\kristelv\april 2020\04152020\v3b7186\
Data File : 3b159531.d
Acq On : 14 Apr 2020 9:02 am
Operator : mariceld
Sample : bs Inst : MS3B
Misc : MS42471,V3B7186,5,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3B7128.M
Quant Results File: M3B7128.RES
Quant Time: Apr 15 03:34:56 2020
Quant Title : SW846 8260C, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Mon Feb 17 10:01:00 2020
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\davem1\04-10-20\v3b7181\
Data File : 3b159452.d
Acq On : 9 Apr 2020 12:30 pm
Operator : krizhkac
Sample : jd5554-6ms Inst : MS3B
Misc : MS42336,V3B7181,5,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3B7128.M
Quant Results File: M3B7128.RES
Quant Time: Apr 10 02:39:04 2020
Quant Title : SW846 8260C, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Mon Feb 17 10:01:00 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	7.940	65	207489	500.00	ug/L	-0.01
5) pentafluorobenzene	10.482	168	186081	50.00	ug/L	0.00
54) 1,4-difluorobenzene	11.465	114	263440	50.00	ug/L	0.00
75) chlorobenzene-d5	14.808	117	253762	50.00	ug/L	0.00
99) 1,4-dichlorobenzene-d4	17.302	152	171256	50.00	ug/L	0.00
System Monitoring Compounds						
46) dibromofluoromethane (s)	10.508	113	89359	52.07	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 104.14%			
55) 1,2-dichloroethane-d4 (s)	10.953	65	104166	46.39	ug/L	-0.01
Spiked Amount 50.000	Range 81 - 124		Recovery = 92.78%			
76) toluene-d8 (s)	13.186	98	312587	52.10	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 104.20%			
100) 4-bromofluorobenzene (s)	16.068	95	127084	52.42	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 104.84%			
Target Compounds						Qvalue
3) tertiary butyl alcohol	8.081	59	105292	217.12	ug/L	96
4) 1,4-dioxane	12.145	88	35563	1161.45	ug/L	89
7) dichlorodifluoromethane	4.106	85	279304	50.23	ug/L	99
8) chloromethane	4.525	50	223393	41.00	ug/L	99
9) vinyl chloride	4.797	62	207237	39.41	ug/L	97
10) 1,3-butadiene	4.839	54	114636	41.54	ug/L	90
11) bromomethane	5.498	94	133418	42.15	ug/L	96
12) chloroethane	5.707	64	83609	44.07	ug/L	91
13) trichlorofluoromethane	6.246	101	244337	46.57	ug/L	100
14) vinyl bromide	6.094	106	103475	39.79	ug/L	97
15) ethyl ether	6.695	74	38155	47.16	ug/L	97
17) acrolein	6.941	56	18648	39.77	ug/L	98
18) freon 113	7.198	151	108650	49.68	ug/L	92
19) 1,1-dichloroethene	7.171	96	94764	48.63	ug/L	92
20) acetone	7.166	43	124928	163.85	ug/L	99
21) acetonitrile	7.632	41	162033	414.95	ug/L	97
22) iodomethane	7.464	142	256057	74.90	ug/L	99
23) carbon disulfide	7.632	76	311518	49.08	ug/L	96
24) methylene chloride	7.998	84	98995	49.18	ug/L	99
25) methyl acetate	7.715	43	66674	42.76	ug/L	93
26) methyl tert butyl ether	8.421	73	299686	43.27	ug/L	96
27) trans-1,2-dichloroethene	8.453	96	80903	47.73	ug/L	97
28) hexane	8.855	56	60077	50.73	ug/L	97
29) di-isopropyl ether	9.096	45	290235	42.52	ug/L	99
30) 2-butanone	9.802	72	42372	188.45	ug/L	99
31) 1,1-dichloroethane	9.096	63	140157	45.36	ug/L	96
32) chloroprene	9.206	53	111406	42.61	ug/L	97
33) acrylonitrile	8.312	53	35039	46.76	ug/L	95
34) vinyl acetate	9.033	86	13638	45.88	ug/L #	79
35) ethyl tert-butyl ether	9.614	59	308053	44.68	ug/L	99
36) ethyl acetate	9.834	45	14462	37.50	ug/L	94
37) 2,2-dichloropropane	9.917	77	186093	46.45	ug/L	94
38) cis-1,2-dichloroethene	9.875	96	82919	47.08	ug/L	94
39) propionitrile	9.865	54	133290	506.65	ug/L	98
40) methyl acrylate	9.928	85	12293	57.82	ug/L #	83
41) methacrylonitrile	10.095	67	32270	45.02	ug/L #	81
42) bromochloromethane	10.200	128	43248	44.71	ug/L	97
43) tetrahydrofuran	10.231	42	28494	40.74	ug/L	95
44) chloroform	10.299	83	140587	44.14	ug/L	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\davem1\04-10-20\v3b7181\
Data File : 3b159452.d
Acq On : 9 Apr 2020 12:30 pm
Operator : krizhkac
Sample : jd5554-6ms Inst : MS3B
Misc : MS42336,V3B7181,5,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3B7128.M
Quant Results File: M3B7128.RES
Quant Time: Apr 10 02:39:04 2020
Quant Title : SW846 8260C, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Mon Feb 17 10:01:00 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) tert-Butyl Formate	10.336	59	57078	27.45	ug/L		95
47) 1,1,1-trichloroethane	10.581	97	188572	44.05	ug/L		99
48) cyclohexane	10.712	84	156730	48.55	ug/L		88
50) 1,1-dichloropropene	10.759	75	98903	47.56	ug/L		94
51) carbon tetrachloride	10.796	117	169371	45.04	ug/L		97
52) tert-amyl alcohol	10.895	73	45925	199.51	ug/L		94
53) isopropyl acetate	10.932	87	18941	46.68	ug/L	#	68
56) n-butyl alcohol	11.507	56	188431	2049.27	ug/L		95
57) 2,2,4-trimethylpentane	11.136	57	416980	56.81	ug/L		99
58) benzene	11.021	78	280467	44.65	ug/L		95
59) tert-amyl methyl ether	11.120	73	298549	42.44	ug/L		97
60) heptane	11.308	57	64974	54.26	ug/L		95
61) 1,2-dichloroethane	11.047	62	111132	39.32	ug/L		96
62) ethyl acrylate	11.779	55	109013	44.63	ug/L		98
63) trichloroethene	11.795	95	78144	49.67	ug/L		95
65) methyl methacrylate	12.056	100	21549	44.69	ug/L		96
66) methylcyclohexane	12.114	83	184075	48.10	ug/L		95
67) 1,2-dichloropropane	12.093	63	75800	45.22	ug/L		96
68) dibromomethane	12.208	93	51395	44.21	ug/L		98
69) bromodichloromethane	12.370	83	108163	41.23	ug/L		91
70) 2-nitropropane	12.564	41	26429	39.11	ug/L		93
71) epichlorohydrin	12.705	57	46923	185.08	ug/L		94
72) cis-1,3-dichloropropene	12.857	75	121350	44.94	ug/L		92
73) 4-methyl-2-pentanone	12.946	58	165165	182.57	ug/L		87
74) isoamyl alcohol	12.951	70	80485	804.82	ug/L	#	86
77) toluene	13.265	92	182011	44.50	ug/L		96
78) ethyl methacrylate	13.448	69	101695	43.37	ug/L		95
79) trans-1,3-dichloropropene	13.458	75	116650	45.12	ug/L		94
80) 1,1,2-trichloroethane	13.699	83	59161	44.86	ug/L		93
81) tetrachloroethene	13.861	164	115794	69.78	ug/L		97
82) 2-hexanone	13.856	58	151855	171.04	ug/L		97
83) 1,3-dichloropropane	13.892	76	112413	43.68	ug/L		98
84) butyl acetate	13.955	56	58428	44.41	ug/L		98
85) dibromochloromethane	14.159	129	93795	41.85	ug/L		95
86) 1,2-dibromoethane	14.326	107	88155	46.31	ug/L		100
87) n-butyl ether	14.797	57	332318	44.16	ug/L		98
88) chlorobenzene	14.844	112	212061	44.25	ug/L		97
89) 1,1,1,2-tetrachloroethane	14.912	131	104409	44.31	ug/L		98
90) ethylbenzene	14.907	91	361484	43.67	ug/L		99
91) m,p-xylene	15.032	106	284632	90.74	ug/L		96
92) o-xylene	15.467	91	329967	45.21	ug/L		99
93) styrene	15.482	104	234281	46.33	ug/L		98
94) butyl acrylate	15.278	55	173883	41.30	ug/L		98
95) n-amyl acetate	15.498	70	66582	45.07	ug/L	#	84
96) isopropylbenzene	15.843	105	458889	47.74	ug/L		99
97) bromoform	15.738	173	76546	41.67	ug/L		98
98) cis-1,4-dichloro-2-butene	15.869	88	47031	41.62	ug/L		88
101) 1,1,2,2-tetrachloroethane	16.136	83	130149	45.08	ug/L		98
102) trans-1,4-dichloro-2-b...	16.167	53	36518	44.64	ug/L		98
103) 1,2,3-trichloropropane	16.230	110	37073	44.11	ug/L		91
104) bromobenzene	16.262	156	110689	45.60	ug/L		99
105) n-propylbenzene	16.288	91	488157	49.08	ug/L		97
106) 2-chlorotoluene	16.434	126	109386	48.27	ug/L		98
107) 4-chlorotoluene	16.554	91	270001	44.37	ug/L		96
108) 1,3,5-trimethylbenzene	16.455	105	400184	49.49	ug/L		97
109) tert-butylbenzene	16.816	119	366250	48.95	ug/L		100
110) 1,2,4-trimethylbenzene	16.868	105	393173	47.47	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\davem1\04-10-20\v3b7181\
Data File : 3b159452.d
Acq On : 9 Apr 2020 12:30 pm
Operator : krizhkac
Sample : jd5554-6ms Inst : MS3B
Misc : MS42336,V3B7181,5,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3B7128.M
Quant Results File: M3B7128.RES
Quant Time: Apr 10 02:39:04 2020
Quant Title : SW846 8260C, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Mon Feb 17 10:01:00 2020
Response via : Initial Calibration

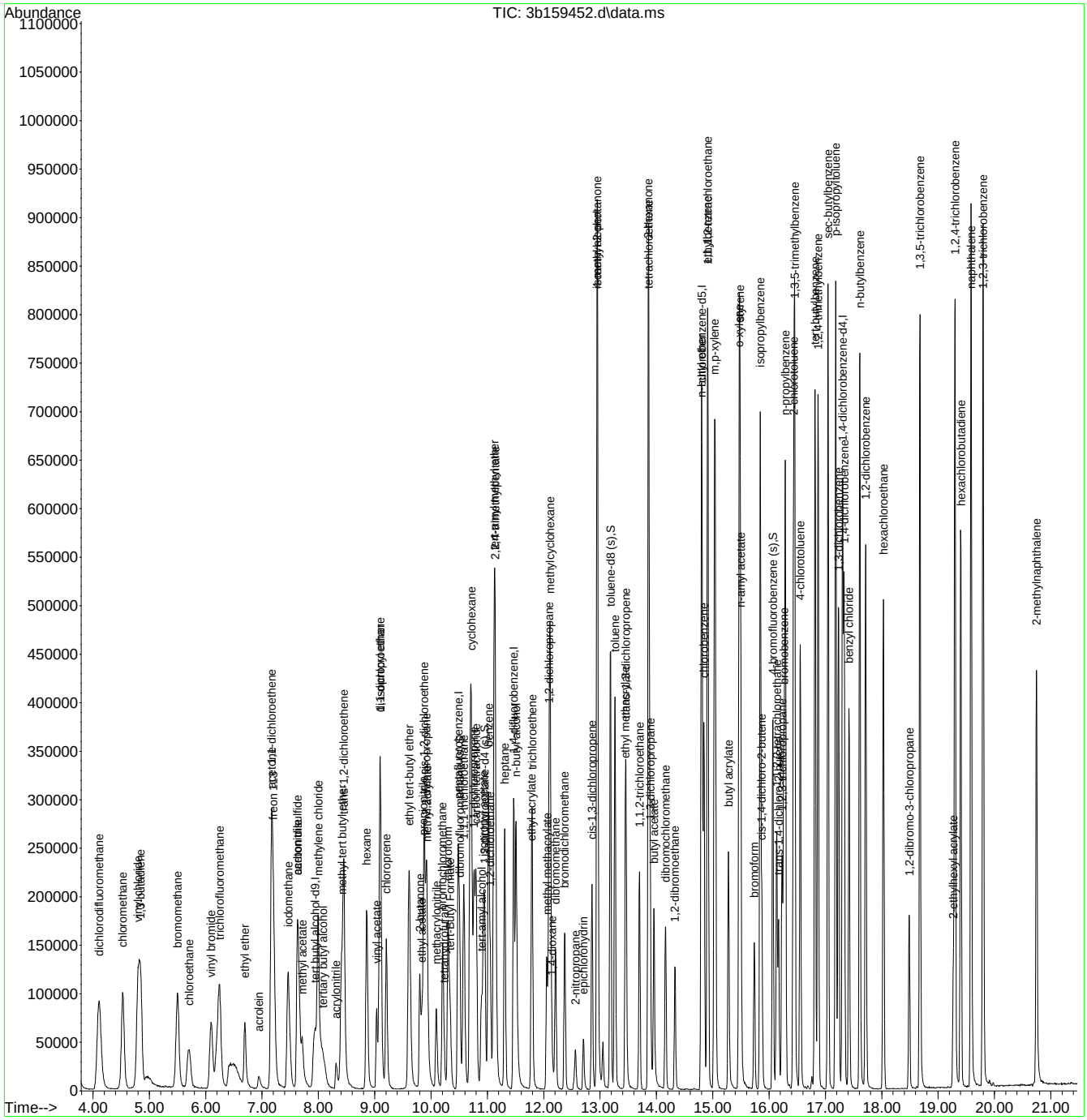
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
111) sec-butylbenzene	17.046	105	571288	52.03	ug/L	98
112) p-isopropyltoluene	17.182	119	489196	51.29	ug/L	98
113) 1,3-dichlorobenzene	17.234	146	220502	46.34	ug/L	98
114) 1,4-dichlorobenzene	17.334	146	220405	43.50	ug/L	99
115) 1,2-dichlorobenzene	17.716	146	244488	45.29	ug/L	99
116) benzyl chloride	17.417	91	291051	46.35	ug/L	100
117) n-butylbenzene	17.611	92	236106	51.14	ug/L	99
118) hexachloroethane	18.029	201	92840	48.28	ug/L	98
119) 1,2-dibromo-3-chloropr...	18.490	157	53409	41.71	ug/L	94
120) 1,3,5-trichlorobenzene	18.678	180	263113	43.49	ug/L	97
121) 2-ethylhexyl acrylate	19.269	70	31285	8.26	ug/L	89
122) 1,2,4-trichlorobenzene	19.300	180	279513	46.25	ug/L	99
123) hexachlorobutadiene	19.405	225	126210	44.60	ug/L	98
124) naphthalene	19.583	128	764710	45.80	ug/L	99
125) 1,2,3-trichlorobenzene	19.797	180	306471	46.45	ug/L	99
126) 2-methylnaphthalene	20.744	142	250573	23.46	ug/L	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\davem1\04-10-20\v3b7181\
Data File : 3b159452.d
Acq On : 9 Apr 2020 12:30 pm
Operator : krizhkac
Sample : jd5554-6ms Inst : MS3B
Misc : MS42336,V3B7181,5,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3B7128.M
Quant Results File: M3B7128.RES
Quant Time: Apr 10 02:39:04 2020
Quant Title : SW846 8260C, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Mon Feb 17 10:01:00 2020
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\davem1\04-10-20\v3b7181\
Data File : 3b159453.d
Acq On : 9 Apr 2020 12:59 pm
Operator : krizhkac
Sample : jd5554-6msd Inst : MS3B
Misc : MS42336,V3B7181,5,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3B7128.M
Quant Results File: M3B7128.RES
Quant Time: Apr 10 02:40:01 2020
Quant Title : SW846 8260C, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Mon Feb 17 10:01:00 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	7.945	65	228205	500.00	ug/L	0.00
5) pentafluorobenzene	10.482	168	195030	50.00	ug/L	0.00
54) 1,4-difluorobenzene	11.465	114	279258	50.00	ug/L	0.00
75) chlorobenzene-d5	14.807	117	269997	50.00	ug/L	0.00
99) 1,4-dichlorobenzene-d4	17.302	152	177904	50.00	ug/L	0.00
System Monitoring Compounds						
46) dibromofluoromethane (s)	10.508	113	92720	51.55	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 103.10%			
55) 1,2-dichloroethane-d4 (s)	10.953	65	105893	44.49	ug/L	-0.01
Spiked Amount 50.000	Range 81 - 124		Recovery = 88.98%			
76) toluene-d8 (s)	13.181	98	332782	52.13	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 104.26%			
100) 4-bromofluorobenzene (s)	16.063	95	131476	52.20	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 104.40%			
Target Compounds						Qvalue
3) tertiary butyl alcohol	8.066	59	117716	220.70	ug/L	98
4) 1,4-dioxane	12.145	88	39627	1176.70	ug/L	90
7) dichlorodifluoromethane	4.112	85	335339	57.54	ug/L	97
8) chloromethane	4.530	50	276633	48.45	ug/L	98
9) vinyl chloride	4.797	62	255200	46.31	ug/L	98
10) 1,3-butadiene	4.844	54	132167	45.70	ug/L	92
11) bromomethane	5.498	94	158293	47.72	ug/L	97
12) chloroethane	5.707	64	97646	49.11	ug/L	91
13) trichlorofluoromethane	6.240	101	271724	49.41	ug/L	98
14) vinyl bromide	6.099	106	119692	43.92	ug/L	97
15) ethyl ether	6.701	74	40943	48.29	ug/L	91
17) acrolein	6.941	56	19376	39.42	ug/L	93
18) freon 113	7.192	151	118236	51.59	ug/L	94
19) 1,1-dichloroethene	7.176	96	100656	49.28	ug/L	96
20) acetone	7.166	43	134087	167.80	ug/L	98
21) acetonitrile	7.632	41	173063	422.86	ug/L	97
22) iodomethane	7.464	142	276479	77.16	ug/L	96
23) carbon disulfide	7.637	76	335654	50.46	ug/L	95
24) methylene chloride	7.998	84	105013	49.78	ug/L	92
25) methyl acetate	7.715	43	72305	44.25	ug/L	95
26) methyl tert butyl ether	8.421	73	319873	44.06	ug/L	95
27) trans-1,2-dichloroethene	8.458	96	85949	48.38	ug/L	94
28) hexane	8.861	56	64724	52.15	ug/L	98
29) di-isopropyl ether	9.101	45	304651	42.59	ug/L	98
30) 2-butanone	9.802	72	45320	192.32	ug/L	94
31) 1,1-dichloroethane	9.096	63	148580	45.88	ug/L	98
32) chloroprene	9.206	53	120290	43.90	ug/L	98
33) acrylonitrile	8.311	53	37306	47.50	ug/L	95
34) vinyl acetate	9.038	86	13340	42.82	ug/L #	59
35) ethyl tert-butyl ether	9.609	59	329310	45.57	ug/L	98
36) ethyl acetate	9.839	45	15529	38.38	ug/L #	77
37) 2,2-dichloropropane	9.917	77	194780	46.39	ug/L	95
38) cis-1,2-dichloroethene	9.881	96	89912	48.71	ug/L	88
39) propionitrile	9.865	54	144771	525.04	ug/L	95
40) methyl acrylate	9.928	85	13561	60.86	ug/L	96
41) methacrylonitrile	10.090	67	35401	47.13	ug/L	89
42) bromochloromethane	10.205	128	48234	47.58	ug/L	94
43) tetrahydrofuran	10.226	42	30727	41.92	ug/L	97
44) chloroform	10.304	83	150652	45.13	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\davem1\04-10-20\v3b7181\
Data File : 3b159453.d
Acq On : 9 Apr 2020 12:59 pm
Operator : krizhkac
Sample : jd5554-6msd Inst : MS3B
Misc : MS42336,V3B7181,5,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3B7128.M
Quant Results File: M3B7128.RES
Quant Time: Apr 10 02:40:01 2020
Quant Title : SW846 8260C, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Mon Feb 17 10:01:00 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) tert-Butyl Formate	10.336	59	48288	22.16	ug/L		89
47) 1,1,1-trichloroethane	10.581	97	200877	44.77	ug/L		96
48) cyclohexane	10.712	84	177191	52.37	ug/L		83
50) 1,1-dichloropropene	10.759	75	108676	49.87	ug/L		98
51) carbon tetrachloride	10.796	117	182450	46.29	ug/L		96
52) tert-amyl alcohol	10.895	73	50416	208.97	ug/L		98
53) isopropyl acetate	10.932	87	20776	48.85	ug/L	#	56
56) n-butyl alcohol	11.507	56	208113	2135.12	ug/L		97
57) 2,2,4-trimethylpentane	11.136	57	454881	58.46	ug/L		96
58) benzene	11.021	78	302995	45.50	ug/L		96
59) tert-amyl methyl ether	11.120	73	323795	43.42	ug/L		99
60) heptane	11.308	57	69210	54.52	ug/L		91
61) 1,2-dichloroethane	11.052	62	116793	38.98	ug/L		97
62) ethyl acrylate	11.779	55	117813	45.50	ug/L		97
63) trichloroethene	11.795	95	82895	49.70	ug/L		97
65) methyl methacrylate	12.051	100	24035	47.02	ug/L		96
66) methylcyclohexane	12.114	83	201731	49.73	ug/L		98
67) 1,2-dichloropropane	12.093	63	82660	46.52	ug/L		93
68) dibromomethane	12.208	93	55184	44.78	ug/L		95
69) bromodichloromethane	12.370	83	117629	42.30	ug/L		95
70) 2-nitropropane	12.558	41	27298	38.11	ug/L		92
71) epichlorohydrin	12.705	57	50382	187.47	ug/L		97
72) cis-1,3-dichloropropene	12.857	75	131425	45.92	ug/L		91
73) 4-methyl-2-pentanone	12.945	58	177792	185.40	ug/L	#	84
74) isoamyl alcohol	12.956	70	88822	837.88	ug/L		94
77) toluene	13.264	92	194974	44.81	ug/L		99
78) ethyl methacrylate	13.448	69	111517	44.70	ug/L		93
79) trans-1,3-dichloropropene	13.458	75	124718	45.34	ug/L		99
80) 1,1,2-trichloroethane	13.699	83	63571	45.30	ug/L		93
81) tetrachloroethene	13.861	164	123615	70.01	ug/L		97
82) 2-hexanone	13.855	58	169365	179.23	ug/L		93
83) 1,3-dichloropropane	13.887	76	119847	43.76	ug/L		99
84) butyl acetate	13.955	56	62505	44.65	ug/L		92
85) dibromochloromethane	14.164	129	99404	41.68	ug/L		93
86) 1,2-dibromoethane	14.331	107	95464	47.14	ug/L		98
87) n-butyl ether	14.797	57	363803	45.44	ug/L		99
88) chlorobenzene	14.844	112	228237	44.76	ug/L		97
89) 1,1,1,2-tetrachloroethane	14.912	131	113307	45.20	ug/L		98
90) ethylbenzene	14.907	91	396625	45.04	ug/L		98
91) m,p-xylene	15.032	106	312097	93.51	ug/L		95
92) o-xylene	15.466	91	354910	45.71	ug/L		100
93) styrene	15.482	104	252271	46.89	ug/L		98
94) butyl acrylate	15.278	55	188206	42.01	ug/L		98
95) n-amyl acetate	15.498	70	72850	46.35	ug/L		88
96) isopropylbenzene	15.843	105	483471	47.27	ug/L		99
97) bromoform	15.733	173	81096	41.49	ug/L		99
98) cis-1,4-dichloro-2-butene	15.874	88	49724	41.36	ug/L		90
101) 1,1,2,2-tetrachloroethane	16.136	83	141686	47.24	ug/L		98
102) trans-1,4-dichloro-2-b...	16.167	53	38621	45.44	ug/L		91
103) 1,2,3-trichloropropane	16.230	110	39831	45.62	ug/L		86
104) bromobenzene	16.261	156	118488	46.99	ug/L		98
105) n-propylbenzene	16.288	91	520363	50.36	ug/L		98
106) 2-chlorotoluene	16.434	126	115922	49.25	ug/L		89
107) 4-chlorotoluene	16.554	91	290353	45.93	ug/L		98
108) 1,3,5-trimethylbenzene	16.455	105	420902	50.11	ug/L		95
109) tert-butylbenzene	16.816	119	390675	50.27	ug/L		98
110) 1,2,4-trimethylbenzene	16.868	105	415759	48.32	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\davem1\04-10-20\v3b7181\
Data File : 3b159453.d
Acq On : 9 Apr 2020 12:59 pm
Operator : krizhkac
Sample : jd5554-6msd Inst : MS3B
Misc : MS42336,V3B7181,5,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3B7128.M
Quant Results File: M3B7128.RES
Quant Time: Apr 10 02:40:01 2020
Quant Title : SW846 8260C, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Mon Feb 17 10:01:00 2020
Response via : Initial Calibration

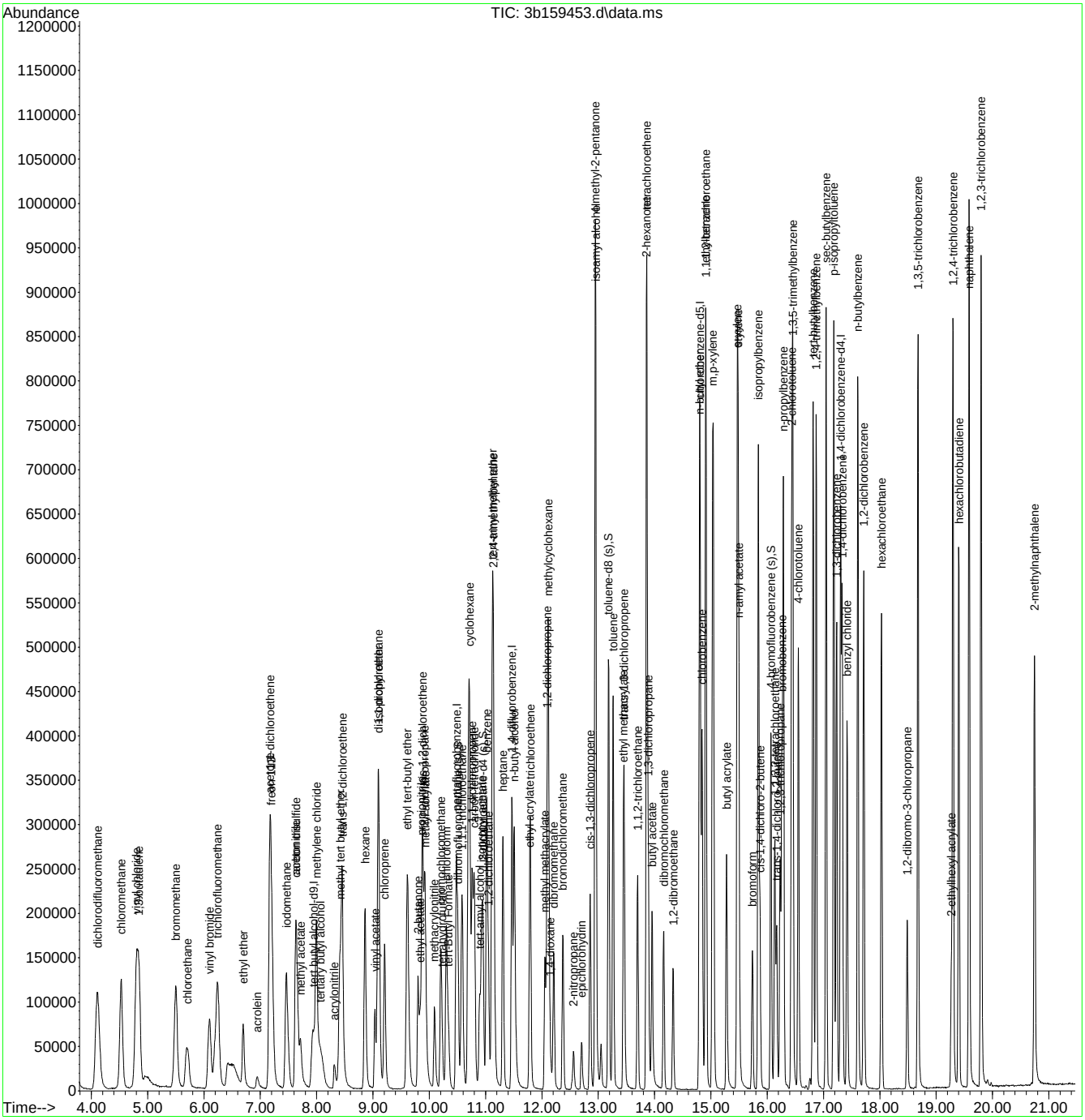
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
111) sec-butylbenzene	17.046	105	597368	52.37	ug/L	99
112) p-isopropyltoluene	17.182	119	510245	51.50	ug/L	98
113) 1,3-dichlorobenzene	17.234	146	230387	46.61	ug/L	98
114) 1,4-dichlorobenzene	17.334	146	235405	44.73	ug/L	99
115) 1,2-dichlorobenzene	17.715	146	256951	45.82	ug/L	99
116) benzyl chloride	17.417	91	307033	47.07	ug/L	100
117) n-butylbenzene	17.606	92	248095	51.73	ug/L	97
118) hexachloroethane	18.029	201	100089	50.10	ug/L	96
119) 1,2-dibromo-3-chloropr...	18.484	157	56245	42.29	ug/L	96
120) 1,3,5-trichlorobenzene	18.678	180	280314	44.60	ug/L	98
121) 2-ethylhexyl acrylate	19.269	70	31990	8.14	ug/L	93
122) 1,2,4-trichlorobenzene	19.300	180	297264	47.35	ug/L	96
123) hexachlorobutadiene	19.405	225	132552	45.09	ug/L	99
124) naphthalene	19.583	128	814434	46.95	ug/L	99
125) 1,2,3-trichlorobenzene	19.797	180	324547	47.35	ug/L	97
126) 2-methylnaphthalene	20.744	142	282003	25.41	ug/L	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\davem1\04-10-20\v3b7181\
Data File : 3b159453.d
Acq On : 9 Apr 2020 12:59 pm
Operator : krizhkac
Sample : jd5554-6msd Inst : MS3B
Misc : MS42336,V3B7181,5,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3B7128.M
Quant Results File: M3B7128.RES
Quant Time: Apr 10 02:40:01 2020
Quant Title : SW846 8260C, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Mon Feb 17 10:01:00 2020
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\kristelv\april 2020\04152020\v3b7186\
Data File : 3b159538.d
Acq On : 14 Apr 2020 12:26 pm
Operator : krizhkac
Sample : jd5742-25ms Inst : MS3B
Misc : MS42564,V3B7186,5,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3B7128.M
Quant Results File: M3B7128.RES
Quant Time: Apr 15 04:07:55 2020
Quant Title : SW846 8260C, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Mon Feb 17 10:01:00 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	7.945	65	208856	500.00	ug/L		0.00
5) pentafluorobenzene	10.477	168	179234	50.00	ug/L		-0.01
54) 1,4-difluorobenzene	11.465	114	257249	50.00	ug/L		0.00
75) chlorobenzene-d5	14.807	117	253351	50.00	ug/L		0.00
99) 1,4-dichlorobenzene-d4	17.302	152	173533	50.00	ug/L		0.00
System Monitoring Compounds							
46) dibromofluoromethane (s)	10.503	113	89615	54.22	ug/L		-0.01
Spiked Amount 50.000	Range 80 - 120		Recovery = 108.44%				
55) 1,2-dichloroethane-d4 (s)	10.953	65	106300	48.48	ug/L		-0.01
Spiked Amount 50.000	Range 81 - 124		Recovery = 96.96%				
76) toluene-d8 (s)	13.181	98	305503	51.00	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 102.00%				
100) 4-bromofluorobenzene (s)	16.063	95	128652	52.37	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 104.74%				
Target Compounds							Qvalue
3) tertiary butyl alcohol	8.071	59	105884	216.91	ug/L		95
4) 1,4-dioxane	12.140	88	34085	1105.90	ug/L		94
7) dichlorodifluoromethane	4.106	85	291336	54.40	ug/L		98
8) chloromethane	4.530	50	217236	41.40	ug/L		100
9) vinyl chloride	4.797	62	267546	52.83	ug/L		99
10) 1,3-butadiene	4.849	54	104545	39.33	ug/L		95
11) bromomethane	5.498	94	134605	44.15	ug/L		95
12) chloroethane	5.696	64	91895	50.29	ug/L		96
13) trichlorofluoromethane	6.240	101	256354	50.72	ug/L		97
14) vinyl bromide	6.099	106	103561	41.35	ug/L		98
15) ethyl ether	6.690	74	36262	46.54	ug/L		96
16) 2-chloropropane	6.931	43	436	0.12	ug/L	#	44
17) acrolein	6.941	56	17958	39.76	ug/L		97
18) freon 113	7.203	151	102919	48.86	ug/L		97
19) 1,1-dichloroethene	7.171	96	88575	47.19	ug/L		96
20) acetone	7.166	43	128887	175.50	ug/L		95
21) acetonitrile	7.626	41	153643	408.49	ug/L		96
22) iodomethane	7.459	142	241090	73.21	ug/L		98
23) carbon disulfide	7.632	76	288936	47.26	ug/L		96
24) methylene chloride	7.992	84	93938	48.45	ug/L		99
25) methyl acetate	7.715	43	65536	43.64	ug/L		87
26) methyl tert butyl ether	8.416	73	297857	44.65	ug/L		98
27) trans-1,2-dichloroethene	8.453	96	82761	50.70	ug/L		96
28) hexane	8.855	56	54675	47.94	ug/L		94
29) di-isopropyl ether	9.096	45	276840	42.11	ug/L		96
30) 2-butanone	9.792	72	43952	202.95	ug/L		90
31) 1,1-dichloroethane	9.091	63	277898	93.38	ug/L		97
32) chloroprene	9.206	53	112714	44.76	ug/L		98
33) acrylonitrile	8.311	53	32602	45.17	ug/L		95
34) vinyl acetate	9.028	86	12346	43.12	ug/L	#	60
35) ethyl tert-butyl ether	9.609	59	304493	45.85	ug/L		98
36) ethyl acetate	9.839	45	14259	38.35	ug/L	#	73
37) 2,2-dichloropropane	9.912	77	185238	48.01	ug/L		96
38) cis-1,2-dichloroethene	9.875	96	321520	189.53	ug/L		97
39) propionitrile	9.865	54	130010	513.06	ug/L		98
40) methyl acrylate	9.928	85	12162	59.39	ug/L		95
41) methacrylonitrile	10.090	67	31994	46.34	ug/L		85
42) bromochloromethane	10.205	128	42079	45.17	ug/L		96
43) tetrahydrofuran	10.220	42	28442	42.22	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\kristelv\april 2020\04152020\v3b7186\
Data File : 3b159538.d
Acq On : 14 Apr 2020 12:26 pm
Operator : krizhkac
Sample : jd5742-25ms Inst : MS3B
Misc : MS42564,V3B7186,5,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3B7128.M
Quant Results File: M3B7128.RES
Quant Time: Apr 15 04:07:55 2020
Quant Title : SW846 8260C, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Mon Feb 17 10:01:00 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) chloroform	10.299	83	139442	45.45	ug/L		97
45) tert-Butyl Formate	10.336	59	76294	38.09	ug/L		88
47) 1,1,1-trichloroethane	10.581	97	435738	105.67	ug/L		97
48) cyclohexane	10.707	84	155765	50.09	ug/L		94
50) 1,1-dichloropropene	10.759	75	97290	48.58	ug/L		92
51) carbon tetrachloride	10.796	117	170813	47.16	ug/L		99
52) tert-amyl alcohol	10.895	73	46527	209.85	ug/L		99
53) isopropyl acetate	10.932	87	17813	45.57	ug/L	#	68
56) n-butyl alcohol	11.502	56	191431	2132.00	ug/L		91
57) 2,2,4-trimethylpentane	11.136	57	389604	54.35	ug/L		97
58) benzene	11.015	78	276145	45.02	ug/L		97
59) tert-amyl methyl ether	11.115	73	294078	42.81	ug/L		99
60) heptane	11.308	57	59197	50.62	ug/L		97
61) 1,2-dichloroethane	11.047	62	114935	41.64	ug/L		98
62) ethyl acrylate	11.774	55	103129	43.24	ug/L		95
63) trichloroethene	11.790	95	193055	125.66	ug/L		96
65) methyl methacrylate	12.051	100	21141	44.90	ug/L		92
66) methylcyclohexane	12.109	83	171235	45.82	ug/L		96
67) 1,2-dichloropropane	12.088	63	73787	45.08	ug/L		93
68) dibromomethane	12.203	93	50516	44.50	ug/L		96
69) bromodichloromethane	12.370	83	110592	43.17	ug/L		94
70) 2-nitropropane	12.553	41	26958	40.85	ug/L		99
71) epichlorohydrin	12.705	57	48824	197.21	ug/L		96
72) cis-1,3-dichloropropene	12.851	75	122586	46.49	ug/L		95
73) 4-methyl-2-pentanone	12.945	58	160637	181.84	ug/L		93
74) isoamyl alcohol	12.951	70	80621	825.58	ug/L		91
77) toluene	13.259	92	179591	43.98	ug/L		99
78) ethyl methacrylate	13.448	69	100717	43.03	ug/L		96
79) trans-1,3-dichloropropene	13.458	75	115417	44.71	ug/L		95
80) 1,1,2-trichloroethane	13.693	83	58839	44.68	ug/L		96
81) tetrachloroethene	13.861	164	71796	43.33	ug/L		95
82) 2-hexanone	13.855	58	146448	165.27	ug/L		96
83) 1,3-dichloropropane	13.887	76	110026	42.82	ug/L		91
84) butyl acetate	13.955	56	58364	44.43	ug/L		93
85) dibromochloromethane	14.159	129	94390	42.18	ug/L		92
86) 1,2-dibromoethane	14.326	107	88109	46.36	ug/L		97
87) n-butyl ether	14.792	57	331817	44.17	ug/L		99
88) chlorobenzene	14.839	112	208301	43.54	ug/L		97
89) 1,1,1,2-tetrachloroethane	14.912	131	107583	45.73	ug/L		98
90) ethylbenzene	14.907	91	366362	44.33	ug/L		98
91) m,p-xylene	15.032	106	287813	91.90	ug/L		99
92) o-xylene	15.466	91	340928	46.79	ug/L		98
93) styrene	15.477	104	233117	46.18	ug/L		97
94) butyl acrylate	15.273	55	175993	41.87	ug/L		98
95) n-amyl acetate	15.493	70	68526	46.46	ug/L		90
96) isopropylbenzene	15.838	105	455151	47.43	ug/L		100
97) bromoform	15.733	173	76667	41.80	ug/L		95
98) cis-1,4-dichloro-2-butene	15.869	88	50615	44.87	ug/L		94
101) 1,1,2,2-tetrachloroethane	16.131	83	132258	45.21	ug/L		97
102) trans-1,4-dichloro-2-b...	16.167	53	37486	45.22	ug/L		95
103) 1,2,3-trichloropropane	16.225	110	38842	45.61	ug/L		97
104) bromobenzene	16.256	156	108863	44.26	ug/L		97
105) n-propylbenzene	16.282	91	492022	48.82	ug/L		99
106) 2-chlorotoluene	16.429	126	109343	47.62	ug/L		93
107) 4-chlorotoluene	16.549	91	280367	45.47	ug/L		99
108) 1,3,5-trimethylbenzene	16.450	105	402171	49.08	ug/L		97
109) tert-butylbenzene	16.811	119	364179	48.04	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\kristelv\april 2020\04152020\v3b7186\
Data File : 3b159538.d
Acq On : 14 Apr 2020 12:26 pm
Operator : krizhkac
Sample : jd5742-25ms Inst : MS3B
Misc : MS42564,V3B7186,5,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3B7128.M
Quant Results File: M3B7128.RES
Quant Time: Apr 15 04:07:55 2020
Quant Title : SW846 8260C, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Mon Feb 17 10:01:00 2020
Response via : Initial Calibration

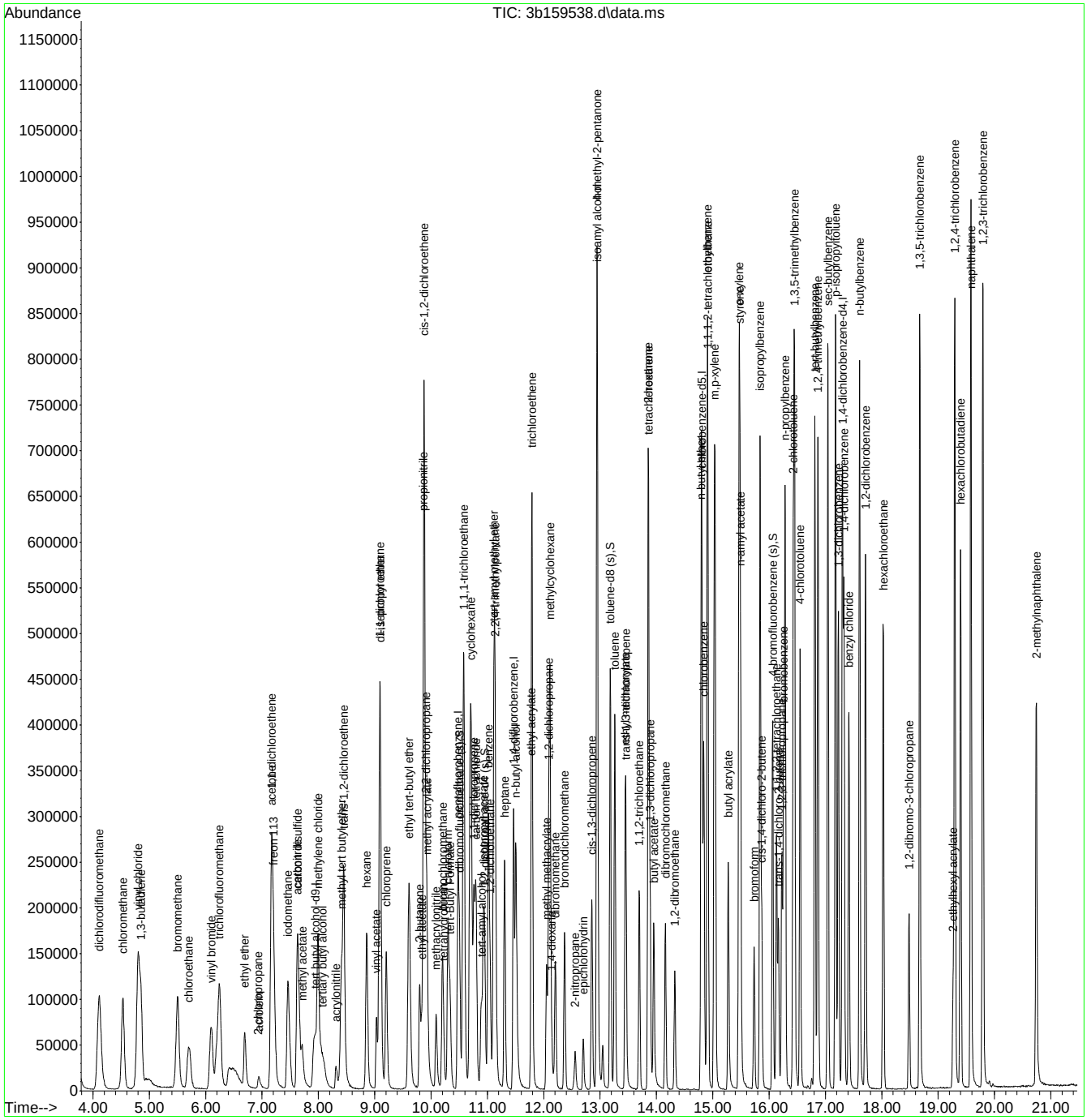
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
110) 1,2,4-trimethylbenzene	16.863	105	402572	47.96	ug/L	99
111) sec-butylbenzene	17.046	105	570327	51.26	ug/L	98
112) p-isopropyltoluene	17.182	119	490326	50.73	ug/L	98
113) 1,3-dichlorobenzene	17.229	146	223583	46.37	ug/L	96
114) 1,4-dichlorobenzene	17.328	146	225520	43.93	ug/L	99
115) 1,2-dichlorobenzene	17.710	146	251098	45.90	ug/L	97
116) benzyl chloride	17.417	91	310269	48.77	ug/L	99
117) n-butylbenzene	17.606	92	241734	51.67	ug/L	100
118) hexachloroethane	18.029	201	94792	48.65	ug/L	97
119) 1,2-dibromo-3-chloropr...	18.484	157	55753	42.97	ug/L	94
120) 1,3,5-trichlorobenzene	18.673	180	272608	44.47	ug/L	98
121) 2-ethylhexyl acrylate	19.264	70	29029	7.65	ug/L	97
122) 1,2,4-trichlorobenzene	19.295	180	286181	46.73	ug/L	98
123) hexachlorobutadiene	19.400	225	123265	42.99	ug/L	98
124) naphthalene	19.583	128	785267	46.41	ug/L	99
125) 1,2,3-trichlorobenzene	19.797	180	308013	46.07	ug/L	99
126) 2-methylnaphthalene	20.744	142	249032	23.01	ug/L	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\kristelv\april 2020\04152020\v3b7186\
Data File : 3b159538.d
Acq On : 14 Apr 2020 12:26 pm
Operator : krizhkac
Sample : jd5742-25ms Inst : MS3B
Misc : MS42564,V3B7186,5,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3B7128.M
Quant Results File: M3B7128.RES
Quant Time: Apr 15 04:07:55 2020
Quant Title : SW846 8260C, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Mon Feb 17 10:01:00 2020
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\kristelv\april 2020\04152020\v3b7186\
Data File : 3b159539.d
Acq On : 14 Apr 2020 12:54 pm
Operator : krizhkac
Sample : jd5742-25msd Inst : MS3B
Misc : MS42564,V3B7186,5,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3B7128.M
Quant Results File: M3B7128.RES
Quant Time: Apr 15 04:09:11 2020
Quant Title : SW846 8260C, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Mon Feb 17 10:01:00 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	7.935	65	229809	500.00	ug/L	-0.02
5) pentafluorobenzene	10.477	168	188635	50.00	ug/L	-0.01
54) 1,4-difluorobenzene	11.465	114	273523	50.00	ug/L	0.00
75) chlorobenzene-d5	14.807	117	267539	50.00	ug/L	0.00
99) 1,4-dichlorobenzene-d4	17.302	152	174933	50.00	ug/L	0.00
System Monitoring Compounds						
46) dibromofluoromethane (s)	10.508	113	93769	53.90	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 107.80%			
55) 1,2-dichloroethane-d4 (s)	10.953	65	111481	47.82	ug/L	-0.01
Spiked Amount 50.000	Range 81 - 124		Recovery = 95.64%			
76) toluene-d8 (s)	13.181	98	332502	52.56	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 105.12%			
100) 4-bromofluorobenzene (s)	16.063	95	132419	53.47	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 106.94%			
Target Compounds						Qvalue
3) tertiary butyl alcohol	8.071	59	121783	226.73	ug/L	98
4) 1,4-dioxane	12.140	88	38490	1134.96	ug/L	97
7) dichlorodifluoromethane	4.106	85	335641	59.55	ug/L	98
8) chloromethane	4.530	50	277081	50.17	ug/L	99
9) vinyl chloride	4.797	62	317063	59.48	ug/L	99
10) 1,3-butadiene	4.838	54	128394	45.90	ug/L	94
11) bromomethane	5.497	94	149132	46.48	ug/L	97
12) chloroethane	5.707	64	100915	52.47	ug/L	94
13) trichlorofluoromethane	6.245	101	271828	51.10	ug/L	98
14) vinyl bromide	6.099	106	114315	43.37	ug/L	99
15) ethyl ether	6.695	74	38252	46.64	ug/L	93
17) acrolein	6.946	56	18084	38.04	ug/L	91
18) freon 113	7.192	151	106533	48.06	ug/L	96
19) 1,1-dichloroethene	7.171	96	99166	50.20	ug/L	98
20) acetone	7.166	43	138969	179.80	ug/L	98
21) acetonitrile	7.631	41	177222	447.70	ug/L	99
22) iodomethane	7.459	142	271949	78.47	ug/L	98
23) carbon disulfide	7.637	76	327070	50.84	ug/L	95
24) methylene chloride	7.992	84	103396	50.67	ug/L	96
25) methyl acetate	7.715	43	70706	44.74	ug/L	91
26) methyl tert butyl ether	8.416	73	329630	46.95	ug/L	97
27) trans-1,2-dichloroethene	8.453	96	89226	51.93	ug/L	97
28) hexane	8.860	56	59620	49.67	ug/L	99
29) di-isopropyl ether	9.096	45	302703	43.75	ug/L	96
30) 2-butanone	9.797	72	46120	202.35	ug/L	94
31) 1,1-dichloroethane	9.091	63	292539	93.40	ug/L	97
32) chloroprene	9.206	53	120633	45.51	ug/L	98
33) acrylonitrile	8.311	53	37483	49.34	ug/L	96
34) vinyl acetate	9.033	86	13921	46.20	ug/L #	79
35) ethyl tert-butyl ether	9.608	59	332630	47.59	ug/L	99
36) ethyl acetate	9.833	45	15664	39.94	ug/L #	83
37) 2,2-dichloropropane	9.912	77	195911	48.24	ug/L	97
38) cis-1,2-dichloroethene	9.875	96	325192	182.14	ug/L	95
39) propionitrile	9.865	54	144684	542.52	ug/L	94
40) methyl acrylate	9.927	85	12055	55.93	ug/L	94
41) methacrylonitrile	10.084	67	33826	46.55	ug/L	91
42) bromochloromethane	10.199	128	47687	48.64	ug/L	97
43) tetrahydrofuran	10.226	42	31966	45.09	ug/L	98
44) chloroform	10.299	83	151104	46.80	ug/L	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\kristelv\april 2020\04152020\v3b7186\
Data File : 3b159539.d
Acq On : 14 Apr 2020 12:54 pm
Operator : krizhkac
Sample : jd5742-25msd Inst : MS3B
Misc : MS42564,V3B7186,5,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3B7128.M
Quant Results File: M3B7128.RES
Quant Time: Apr 15 04:09:11 2020
Quant Title : SW846 8260C, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Mon Feb 17 10:01:00 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) tert-Butyl Formate	10.330	59	72331	34.32	ug/L		95
47) 1,1,1-trichloroethane	10.581	97	434548	100.13	ug/L		97
48) cyclohexane	10.707	84	167787	51.27	ug/L		96
50) 1,1-dichloropropene	10.759	75	106189	50.38	ug/L		94
51) carbon tetrachloride	10.796	117	182212	47.80	ug/L		97
52) tert-amyl alcohol	10.890	73	51584	221.06	ug/L		94
53) isopropyl acetate	10.926	87	20381	49.54	ug/L	#	71
56) n-butyl alcohol	11.507	56	210184	2201.58	ug/L		92
57) 2,2,4-trimethylpentane	11.136	57	431178	56.58	ug/L		97
58) benzene	11.015	78	296126	45.40	ug/L		97
59) tert-amyl methyl ether	11.115	73	325779	44.60	ug/L		99
60) heptane	11.308	57	64309	51.72	ug/L		97
61) 1,2-dichloroethane	11.047	62	121463	41.39	ug/L		96
62) ethyl acrylate	11.774	55	115041	45.37	ug/L		96
63) trichloroethene	11.789	95	199342	122.03	ug/L		93
65) methyl methacrylate	12.051	100	23726	47.39	ug/L		89
66) methylcyclohexane	12.114	83	184509	46.43	ug/L		97
67) 1,2-dichloropropane	12.088	63	80925	46.50	ug/L		94
68) dibromomethane	12.208	93	54644	45.27	ug/L		97
69) bromodichloromethane	12.370	83	120917	44.39	ug/L		96
70) 2-nitropropane	12.558	41	29112	41.49	ug/L		97
71) epichlorohydrin	12.699	57	52662	200.06	ug/L		97
72) cis-1,3-dichloropropene	12.851	75	132880	47.40	ug/L		92
73) 4-methyl-2-pentanone	12.945	58	172957	184.14	ug/L		92
74) isoamyl alcohol	12.951	70	87857	846.15	ug/L		91
77) toluene	13.259	92	191814	44.49	ug/L		98
78) ethyl methacrylate	13.447	69	110778	44.82	ug/L		93
79) trans-1,3-dichloropropene	13.458	75	126584	46.44	ug/L		99
80) 1,1,2-trichloroethane	13.693	83	62344	44.84	ug/L		97
81) tetrachloroethene	13.861	164	75884	43.37	ug/L		96
82) 2-hexanone	13.855	58	162038	173.10	ug/L		93
83) 1,3-dichloropropane	13.887	76	117600	43.34	ug/L		91
84) butyl acetate	13.950	56	63793	45.99	ug/L		89
85) dibromochloromethane	14.159	129	100198	42.40	ug/L		96
86) 1,2-dibromoethane	14.326	107	94865	47.27	ug/L		99
87) n-butyl ether	14.792	57	358780	45.23	ug/L		100
88) chlorobenzene	14.839	112	225948	44.72	ug/L		97
89) 1,1,1,2-tetrachloroethane	14.912	131	112856	45.43	ug/L		91
90) ethylbenzene	14.907	91	387054	44.35	ug/L		98
91) m,p-xylene	15.032	106	303924	91.90	ug/L		96
92) o-xylene	15.466	91	353174	45.90	ug/L		98
93) styrene	15.477	104	249220	46.75	ug/L		96
94) butyl acrylate	15.273	55	188750	42.52	ug/L		98
95) n-amyl acetate	15.492	70	71791	46.09	ug/L		93
96) isopropylbenzene	15.838	105	482369	47.60	ug/L		99
97) bromoform	15.733	173	81484	42.07	ug/L		95
98) cis-1,4-dichloro-2-butene	15.869	88	52530	44.09	ug/L		88
101) 1,1,2,2-tetrachloroethane	16.131	83	142027	48.16	ug/L		97
102) trans-1,4-dichloro-2-b...	16.162	53	40007	47.88	ug/L		98
103) 1,2,3-trichloropropane	16.225	110	40214	46.84	ug/L		94
104) bromobenzene	16.256	156	115876	46.74	ug/L		92
105) n-propylbenzene	16.282	91	516366	50.82	ug/L		98
106) 2-chlorotoluene	16.429	126	115641	49.96	ug/L		90
107) 4-chlorotoluene	16.549	91	292367	47.03	ug/L		98
108) 1,3,5-trimethylbenzene	16.450	105	427902	51.80	ug/L		97
109) tert-butylbenzene	16.810	119	390253	51.06	ug/L		98
110) 1,2,4-trimethylbenzene	16.868	105	419687	49.60	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\kristelv\april 2020\04152020\v3b7186\
Data File : 3b159539.d
Acq On : 14 Apr 2020 12:54 pm
Operator : krizhkac
Sample : jd5742-25msd Inst : MS3B
Misc : MS42564,V3B7186,5,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3B7128.M
Quant Results File: M3B7128.RES
Quant Time: Apr 15 04:09:11 2020
Quant Title : SW846 8260C, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Mon Feb 17 10:01:00 2020
Response via : Initial Calibration

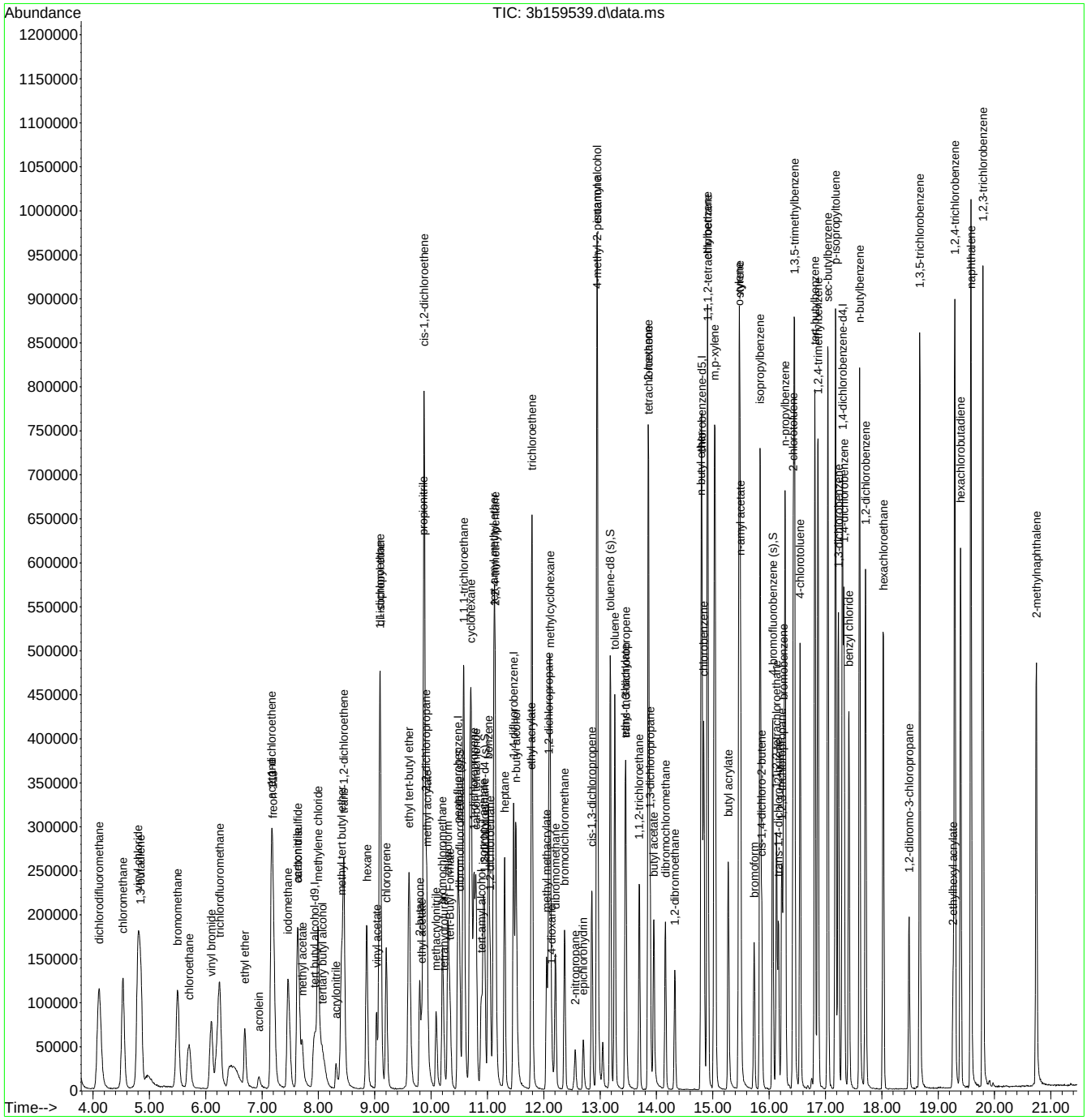
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
111) sec-butylbenzene	17.041	105	598849	53.39	ug/L	98
112) p-isopropyltoluene	17.177	119	520430	53.42	ug/L	99
113) 1,3-dichlorobenzene	17.229	146	230954	47.52	ug/L	98
114) 1,4-dichlorobenzene	17.328	146	232866	45.00	ug/L	97
115) 1,2-dichlorobenzene	17.710	146	256428	46.50	ug/L	99
116) benzyl chloride	17.417	91	320351	49.95	ug/L	100
117) n-butylbenzene	17.605	92	250988	53.22	ug/L	100
118) hexachloroethane	18.029	201	100030	50.92	ug/L	98
119) 1,2-dibromo-3-chloropr...	18.484	157	56820	43.44	ug/L	98
120) 1,3,5-trichlorobenzene	18.672	180	281222	45.51	ug/L	99
121) 2-ethylhexyl acrylate	19.263	70	32075	8.28	ug/L	90
122) 1,2,4-trichlorobenzene	19.295	180	296071	47.96	ug/L	95
123) hexachlorobutadiene	19.399	225	130789	45.24	ug/L	99
124) naphthalene	19.582	128	820628	48.12	ug/L	100
125) 1,2,3-trichlorobenzene	19.797	180	329750	48.93	ug/L	99
126) 2-methylnaphthalene	20.744	142	278916	25.56	ug/L	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\kristelv\april 2020\04152020\v3b7186\
Data File : 3b159539.d
Acq On : 14 Apr 2020 12:54 pm
Operator : krizhkac
Sample : jd5742-25msd Inst : MS3B
Misc : MS42564,V3B7186,5,,,,1
ALS Vial : 11 Sample Multiplier: 1

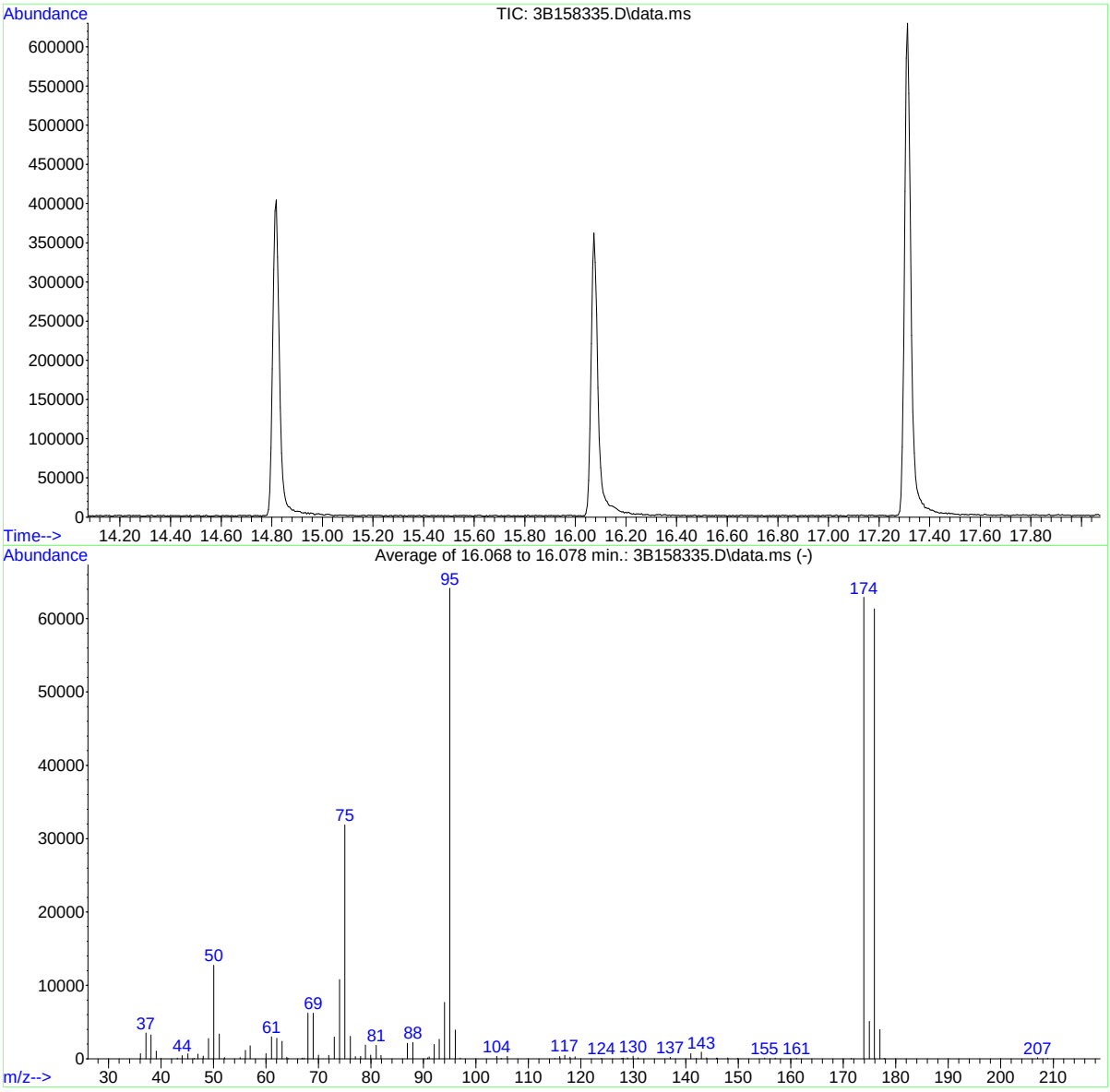
Quant Method : C:\MSDCHEM\1\METHODS\M3B7128.M
Quant Results File: M3B7128.RES
Quant Time: Apr 15 04:09:11 2020
Quant Title : SW846 8260C, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Mon Feb 17 10:01:00 2020
Response via : Initial Calibration



SW-846 Method 8260

Data File : C:\msdchem\1\data\V3B7128\3B158335.D Vial: 1
Acq On : 16 Feb 2020 12:16 pm Operator: PrashanS
Sample : BFB Inst : MS3B
Misc : MS41039,V3B7128,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\M3B7128.M (RTE Integrator)
Title : SW846 8260C, Rxi624Sil MS 60m x 0.25mm x 1.4um



AutoFind: Scans 2349, 2350, 2351; Background Corrected with Scan 2341

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.9	12747	PASS
75	95	30	60	49.7	31875	PASS
95	95	100	100	100.0	64133	PASS
96	95	5	9	6.1	3930	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	150	98.1	62912	PASS
175	174	5	9	8.1	5094	PASS
176	174	95	101	97.5	61323	PASS
177	176	5	9	6.5	3978	PASS

3B158335.D M3B7128.M Mon Feb 17 11:44:56 2020 M3B

Average of 16.068 to 16.078 min.: 3B158335.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.05	718	49.05	2770	63.95	207	76.05	3056
37.10	3525	50.05	12747	64.20	53	77.00	284
38.10	3232	51.10	3379	66.90	73	78.05	315
39.10	1047	52.10	165	67.20	102	78.95	1876
40.00	64	55.05	165	68.00	6198	79.95	491
43.10	75	56.05	1139	69.00	6229	81.00	1829
44.00	445	57.00	1763	70.00	485	81.90	458
45.10	676	60.00	688	71.95	465	86.95	2117
46.30	54	61.05	2999	73.00	2952	88.00	2221
47.05	638	62.05	2806	74.00	10796	90.80	116
48.05	374	63.05	2384	75.00	31875	91.10	263

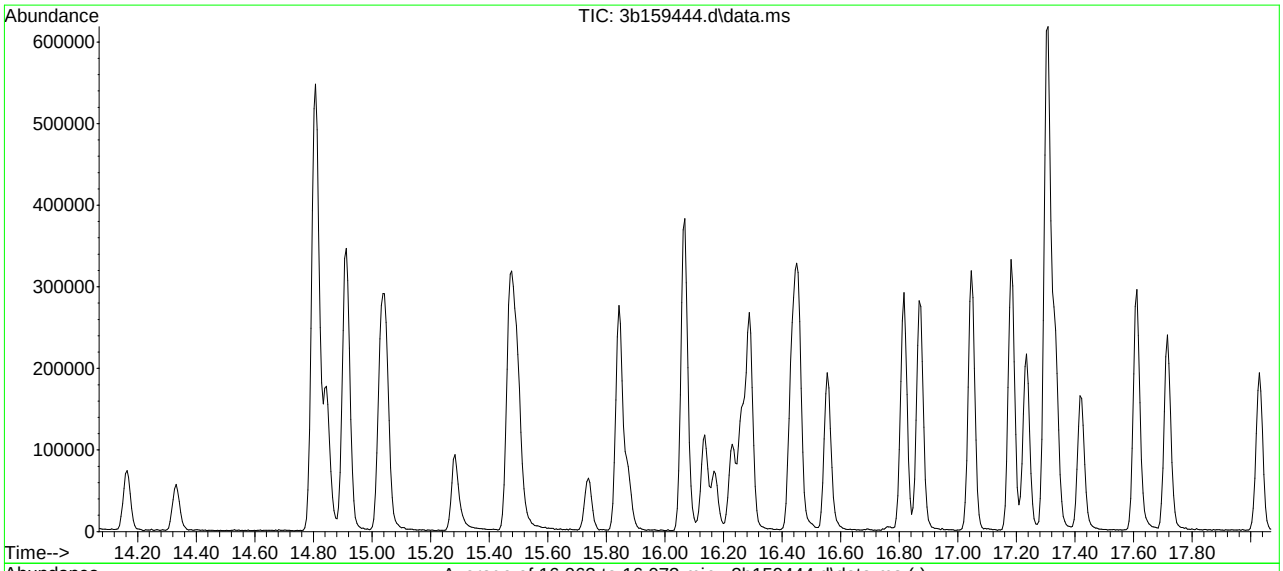
Average of 16.068 to 16.078 min.: 3B158335.D\data.ms
BFB
Modified:subtracted

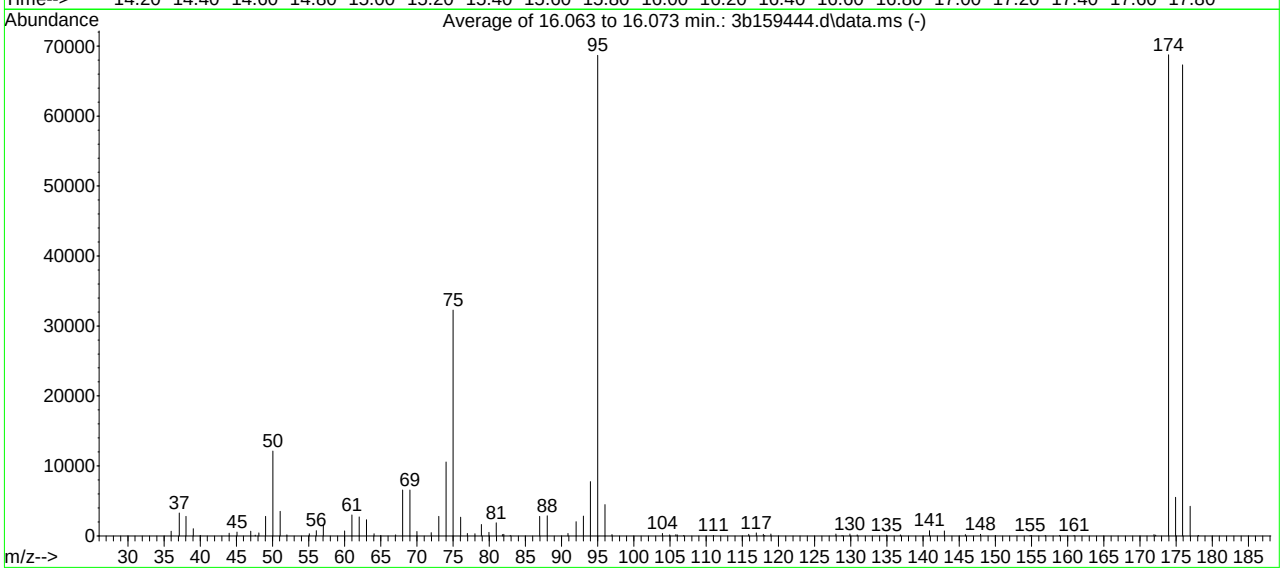
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
92.05	1950	116.90	474	142.00	56	173.90	62912
93.00	2641	117.95	217	142.95	904	174.95	5094
94.00	7671	118.90	270	143.95	131	175.90	61323
95.00	64133	123.90	51	145.80	90	176.95	3978
96.05	3930	127.80	50	146.00	82	177.80	65
97.00	77	128.00	76	147.95	134	207.00	169
103.95	336	128.90	136	149.90	60	208.90	70
104.80	61	129.95	367	155.00	96		
105.95	332	130.90	116	157.00	82		
115.00	61	137.00	196	161.10	61		
115.95	283	140.95	701	171.50	56		

SW-846 Method 8260

Data File : C:\msdchem\1\data\da...20\v3b7181\3b159444.d Vial: 2
Acq On : 9 Apr 2020 8:22 am Operator: krizhkac
Sample : bfb Inst : MS3B
Misc : MS42281,V3B7181,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\M3B7128.M (RTE Integrator)
Title : SW846 8260C, Rxi624Sil MS 60m x 0.25mm x 1.4um





AutoFind: Scans 2348, 2349, 2350; Background Corrected with Scan 2339

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.6	12108	PASS
75	95	30	60	47.0	32259	PASS
95	95	100	100	100.0	68680	PASS
96	95	5	9	6.5	4455	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	150	100.1	68757	PASS
175	174	5	9	8.0	5508	PASS
176	174	95	101	97.9	67333	PASS
177	176	5	9	6.3	4232	PASS

3b159444.d M3B7128.M Fri Apr 10 02:22:58 2020

Average of 16.063 to 16.073 min.: 3b159444.d\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	655	50.05	12108	65.00	69	78.00	310
37.10	3286	51.05	3514	67.05	130	78.90	1637
38.05	2789	52.00	143	68.00	6544	79.95	511
39.05	1035	55.10	289	69.00	6566	80.95	1881
40.00	57	56.05	742	70.00	629	81.80	167
44.00	396	57.05	1600	71.95	475	82.00	240
45.10	557	60.00	710	73.00	2796	82.90	63
47.00	648	61.00	2994	74.00	10564	86.95	2796
47.60	90	62.00	2710	75.00	32259	88.00	2850
48.10	415	63.00	2298	76.05	2663	90.90	324
49.05	2775	64.05	292	76.95	350	92.00	2047

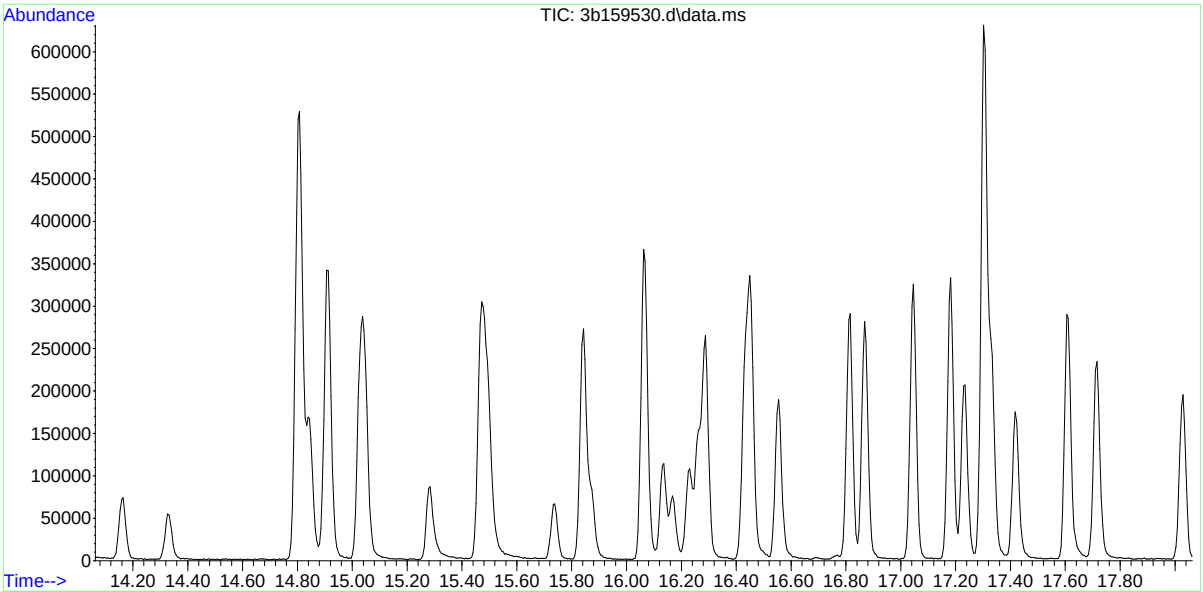
Average of 16.063 to 16.073 min.: 3b159444.d\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
93.00	2811	115.90	228	140.90	753	172.20	112
94.00	7774	116.95	419	142.95	720	173.95	68757
95.00	68680	117.90	211	145.85	182	174.95	5508
96.00	4455	118.10	53	147.95	231	175.90	67333
96.95	169	118.95	275	150.00	53	176.95	4232
103.95	346	127.95	254	154.80	80	178.10	51
104.95	136	128.80	70	155.00	54		
105.80	203	129.90	274	156.90	52		
106.00	130	130.90	141	158.90	66		
106.90	54	134.95	122	160.90	61		
111.00	57	136.85	131	171.95	190		

SW-846 Method 8260

Data File : R:\voa-gcms\complete...lv\v3b7186\3b159530.d Vial: 2
Acq On : 14 Apr 2020 8:28 am Operator: mariceld
Sample : bfb/cc7128-20 Inst : MS3B
Misc : MS42471,V3B7186,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\M3B7128.M (RTE Integrator)
Title : SW846 8260C, Rxi624Sil MS 60m x 0.25mm x 1.4um



AutoFind: Scans 2347, 2348, 2349; Background Corrected with Scan 2339

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.3	12109	PASS
75	95	30	60	51.5	34024	PASS
95	95	100	100	100.0	66035	PASS
96	95	5	9	7.1	4669	PASS
173	174	0.00	2	1.0	618	PASS
174	95	50	150	93.3	61587	PASS
175	174	5	9	8.4	5144	PASS
176	174	95	101	99.7	61424	PASS
177	176	5	9	6.5	4014	PASS

3b159530.d M3B7128.M Fri Apr 17 14:40:42 2020

Average of 16.057 to 16.068 min.: 3b159530.d\data.ms
bfb/cc7128-20
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.05	670	50.00	12109	63.05	2500	76.00	2851
37.10	3452	51.05	4291	63.90	103	76.95	524
38.05	2766	52.05	245	64.10	116	77.90	221
39.05	1100	55.00	57	67.00	212	78.95	1740
39.95	147	55.15	225	68.00	6485	79.95	673
43.20	67	56.00	825	69.00	6676	80.95	1808
43.95	380	57.05	1685	70.05	519	81.95	388
45.05	610	58.05	102	72.15	306	86.95	2762
47.00	758	59.95	590	73.00	2855	88.00	2516
48.05	400	61.05	2825	74.05	11147	90.95	268
49.05	2744	62.00	2823	75.00	34024	92.00	1836

Average of 16.057 to 16.068 min.: 3b159530.d\data.ms
bfb/cc7128-20
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
93.00	2743	116.95	354	145.70	57	176.95	4014
94.00	7480	117.70	90	145.90	70	205.10	56
95.00	66035	117.90	162	147.85	173		
96.00	4669	118.95	342	154.80	138		
97.10	73	127.95	230	156.90	190		
103.95	328	129.10	60	161.10	56		
104.95	216	129.85	304	171.70	186		
105.70	91	137.00	68	172.90	618		
105.90	177	140.90	804	173.90	61587		
114.90	90	142.00	61	174.95	5144		
115.90	230	142.95	757	175.90	61424		

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\V3B7128\
Data File : 3B158336.D
Acq On : 16 Feb 2020 12:54 pm
Operator : PrashanS
Sample : IC7128-0.2
Misc : MS41039,V3B7128,5,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 17 10:53:53 2020
Quant Method : C:\MSDCHEM\1\METHODS\M3B7128.M
Quant Title : SW846 8260C / EPA 624, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Mon Feb 17 09:01:52 2020
Response via : Initial Calibration

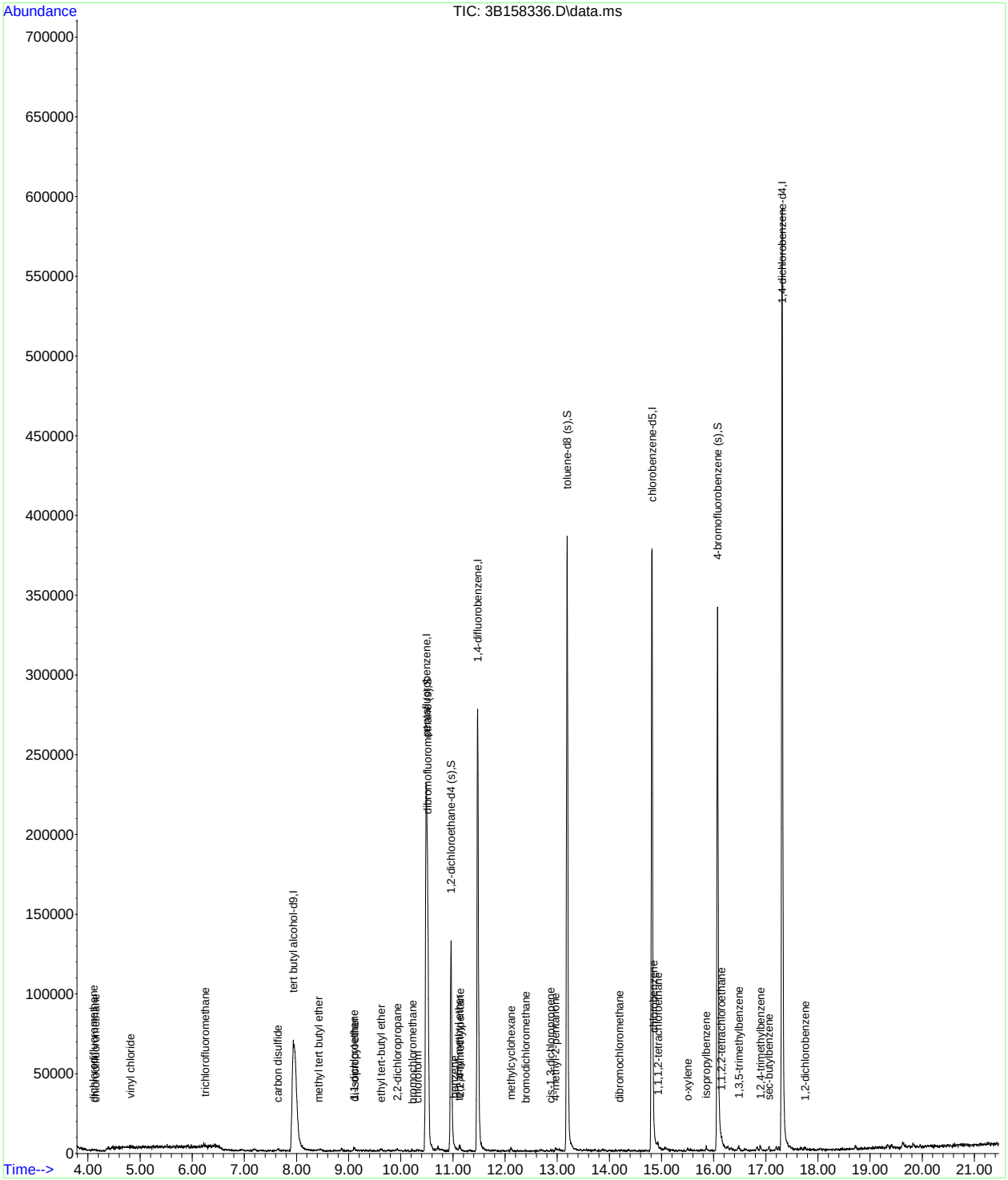
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	7.940	65	225690	500.00	ug/L		-0.01
5) pentafluorobenzene	10.493	168	183506	50.00	ug/L		0.00
54) 1,4-difluorobenzene	11.476	114	246712	50.00	ug/L		0.00
75) chlorobenzene-d5	14.818	117	236063	50.00	ug/L		0.00
99) 1,4-dichlorobenzene-d4	17.313	152	176661	50.00	ug/L		0.00
System Monitoring Compounds							
46) dibromofluoromethane (s)	10.513	113	85734	51.68	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 103.36%				
55) 1,2-dichloroethane-d4 (s)	10.963	65	110718	54.10	ug/L		0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 108.20%				
76) toluene-d8 (s)	13.191	98	273473	48.15	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 96.30%				
100) 4-bromofluorobenzene (s)	16.073	95	121700	48.54	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 97.08%				
Target Compounds							Qvalue
6) chlorodifluoromethane	4.143	51	959	0.18	ug/L		68
7) dichlorodifluoromethane	4.112	85	1104	0.19	ug/L	#	52
9) vinyl chloride	4.812	62	1128	0.21	ug/L		76
13) trichlorofluoromethane	6.246	101	899	0.17	ug/L		65
23) carbon disulfide	7.642	76	1496	0.24	ug/L		64
26) methyl tert butyl ether	8.421	73	1570	0.23	ug/L		64
29) di-isopropyl ether	9.112	45	1521	0.22	ug/L		70
31) 1,1-dichloroethane	9.107	63	614	0.20	ug/L	#	53
35) ethyl tert-butyl ether	9.624	59	1404	0.20	ug/L		79
37) 2,2-dichloropropane	9.933	77	935	0.24	ug/L		88
42) bromochloromethane	10.226	128	194	0.20	ug/L	#	1
44) chloroform	10.320	83	604	0.19	ug/L		62
57) 2,2,4-trimethylpentane	11.136	57	1336	0.17	ug/L		72
58) benzene	11.031	78	1248	0.21	ug/L		74
59) tert-amyl methyl ether	11.115	73	1458	0.22	ug/L		92
66) methylcyclohexane	12.114	83	840	0.23	ug/L		95
69) bromodichloromethane	12.391	83	427	0.17	ug/L		76
72) cis-1,3-dichloropropene	12.872	75	448	0.17	ug/L	#	62
73) 4-methyl-2-pentanone	12.966	58	604	0.66	ug/L	#	16
85) dibromochloromethane	14.190	129	498	0.23	ug/L	#	23
88) chlorobenzene	14.844	112	752	0.16	ug/L	#	59
89) 1,1,1,2-tetrachloroethane	14.933	131	460	0.19	ug/L		98
92) o-xylene	15.503	91	1405	0.20	ug/L		86
96) isopropylbenzene	15.859	105	1601	0.17	ug/L	#	59
101) 1,1,2,2-tetrachloroethane	16.146	83	569	0.18	ug/L		78
108) 1,3,5-trimethylbenzene	16.481	105	1672	0.18	ug/L		96
110) 1,2,4-trimethylbenzene	16.900	105	1889	0.20	ug/L		82
111) sec-butylbenzene	17.056	105	2212	0.17	ug/L		81
115) 1,2-dichlorobenzene	17.752	146	1112	0.19	ug/L	#	44

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\V3B7128\
Data File : 3B158336.D
Acq On : 16 Feb 2020 12:54 pm
Operator : PrashanS
Sample : IC7128-0.2
Misc : MS41039,V3B7128,5,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 17 10:53:53 2020
Quant Method : C:\MSDCHEM\1\METHODS\M3B7128.M
Quant Title : SW846 8260C / EPA 624, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Mon Feb 17 09:01:52 2020
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\V3B7128\
Data File : 3B158337.D
Acq On : 16 Feb 2020 1:22 pm
Operator : PrashanS
Sample : IC7128-0.5
Misc : MS41039,V3B7128,5,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 17 10:55:41 2020
Quant Method : C:\MSDCHEM\1\METHODS\M3B7128.M
Quant Title : SW846 8260C / EPA 624, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Mon Feb 17 09:01:52 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	7.956	65	212168	500.00	ug/L		0.00
5) pentafluorobenzene	10.487	168	183746	50.00	ug/L		0.00
54) 1,4-difluorobenzene	11.471	114	246489	50.00	ug/L		0.00
75) chlorobenzene-d5	14.813	117	246275	50.00	ug/L		0.00
99) 1,4-dichlorobenzene-d4	17.313	152	180956	50.00	ug/L		0.00
System Monitoring Compounds							
46) dibromofluoromethane (s)	10.513	113	82617	49.74	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 99.48%				
55) 1,2-dichloroethane-d4 (s)	10.963	65	106554	52.11	ug/L		0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 104.22%				
76) toluene-d8 (s)	13.191	98	277608	46.85	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 93.70%				
100) 4-bromofluorobenzene (s)	16.073	95	127125	49.50	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 99.00%				
Target Compounds							Qvalue
6) chlorodifluoromethane	4.127	51	3085	0.58	ug/L		68
7) dichlorodifluoromethane	4.106	85	2322	0.40	ug/L		88
8) chloromethane	4.520	50	3016	0.56	ug/L		83
9) vinyl chloride	4.802	62	2469	0.45	ug/L		85
10) 1,3-butadiene	4.854	54	1269	0.46	ug/L	#	21
13) trichlorofluoromethane	6.230	101	2520	0.46	ug/L		70
16) 2-chloropropane	6.962	43	2308	0.61	ug/L	#	53
18) freon 113	7.218	151	880	0.38	ug/L	#	40
19) 1,1-dichloroethene	7.171	96	1169	0.62	ug/L	#	53
23) carbon disulfide	7.626	76	3268	0.53	ug/L		77
26) methyl tert butyl ether	8.421	73	3688	0.53	ug/L		73
28) hexane	8.871	56	664	0.54	ug/L	#	22
29) di-isopropyl ether	9.117	45	3689	0.53	ug/L		93
31) 1,1-dichloroethane	9.091	63	1818	0.59	ug/L		84
32) chloroprene	9.216	53	1318	0.48	ug/L		94
35) ethyl tert-butyl ether	9.619	59	3418	0.48	ug/L		84
37) 2,2-dichloropropane	9.917	77	2010	0.50	ug/L		72
38) cis-1,2-dichloroethene	9.891	96	817	0.45	ug/L	#	27
42) bromochloromethane	10.231	128	514	0.53	ug/L	#	35
44) chloroform	10.315	83	1683	0.52	ug/L	#	45
45) tert-Butyl Formate	10.341	59	1120	0.50	ug/L	#	56
47) 1,1,1-trichloroethane	10.592	97	2502	0.56	ug/L		86
48) cyclohexane	10.702	84	1202	0.35	ug/L	#	74
51) carbon tetrachloride	10.806	117	1886	0.49	ug/L	#	78
52) tert-amyl alcohol	10.916	73	566	2.25	ug/L	#	42
57) 2,2,4-trimethylpentane	11.141	57	3055	0.39	ug/L		94
58) benzene	11.031	78	3039	0.51	ug/L		96
59) tert-amyl methyl ether	11.120	73	3513	0.53	ug/L		86
63) trichloroethene	11.805	95	515	0.32	ug/L	#	77
64) 2-chloroethyl vinyl ether	12.653	63	2089	1.90	ug/L		81
66) methylcyclohexane	12.114	83	1904	0.51	ug/L		88
67) 1,2-dichloropropane	12.103	63	869	0.54	ug/L		97
68) dibromomethane	12.234	93	654	0.58	ug/L	#	47
69) bromodichloromethane	12.386	83	1450	0.57	ug/L		74
72) cis-1,3-dichloropropene	12.877	75	1328	0.50	ug/L		89
73) 4-methyl-2-pentanone	12.977	58	1672	1.84	ug/L	#	41
77) toluene	13.280	92	2200	0.53	ug/L	#	80
80) 1,1,2-trichloroethane	13.709	83	561	0.41	ug/L	#	61
81) tetrachloroethene	13.876	164	890	0.53	ug/L	#	62
83) 1,3-dichloropropane	13.908	76	1460	0.57	ug/L		91
85) dibromochloromethane	14.185	129	992	0.44	ug/L		88
86) 1,2-dibromoethane	14.352	107	791	0.40	ug/L		82
88) chlorobenzene	14.855	112	2663	0.56	ug/L		90
89) 1,1,1,2-tetrachloroethane	14.917	131	917	0.36	ug/L	#	71
90) ethylbenzene	14.928	91	4525	0.55	ug/L		86

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\V3B7128\
Data File : 3B158337.D
Acq On : 16 Feb 2020 1:22 pm
Operator : PrashanS
Sample : IC7128-0.5
Misc : MS41039,V3B7128,5,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 17 10:55:41 2020
Quant Method : C:\MSDCHEM\1\METHODS\M3B7128.M
Quant Title : SW846 8260C / EPA 624, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Mon Feb 17 09:01:52 2020
Response via : Initial Calibration

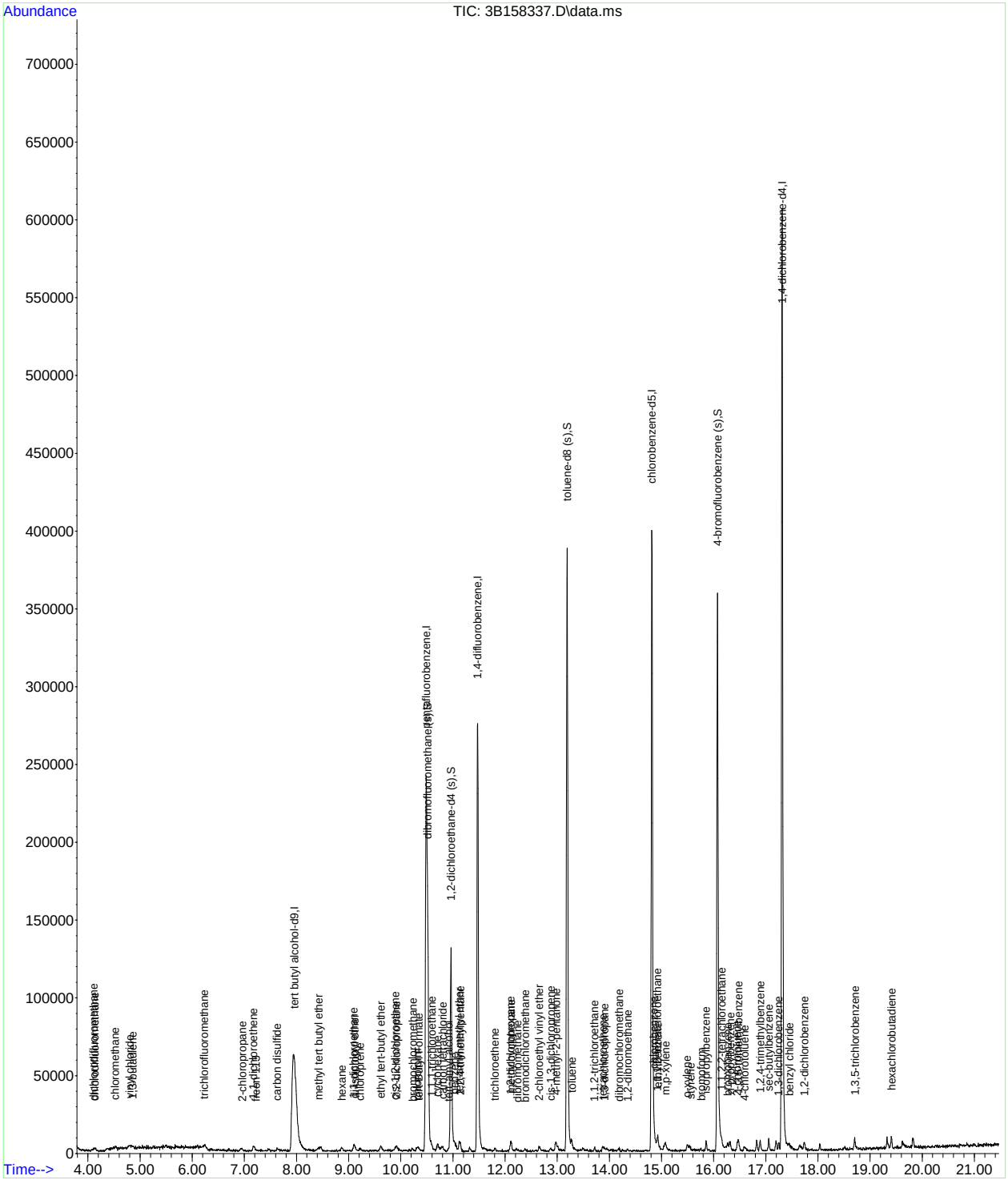
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
91)	m,p-xylene	15.074	106	3016	0.94	ug/L	#	75
92)	o-xylene	15.487	91	3720	0.50	ug/L		77
93)	styrene	15.561	104	2002	0.38	ug/L		68
96)	isopropylbenzene	15.854	105	4775	0.47	ug/L		92
97)	bromoform	15.759	173	925	0.49	ug/L		82
101)	1,1,2,2-tetrachloroethane	16.152	83	1901	0.60	ug/L		74
104)	bromobenzene	16.272	156	1462	0.53	ug/L	#	64
105)	n-propylbenzene	16.319	91	5299	0.46	ug/L		91
106)	2-chlorotoluene	16.450	126	1153	0.45	ug/L		95
107)	4-chlorotoluene	16.591	91	3604	0.54	ug/L		84
108)	1,3,5-trimethylbenzene	16.476	105	4387	0.46	ug/L		82
110)	1,2,4-trimethylbenzene	16.894	105	4537	0.48	ug/L		89
111)	sec-butylbenzene	17.056	105	5868	0.45	ug/L		94
113)	1,3-dichlorobenzene	17.245	146	2591	0.48	ug/L		96
115)	1,2-dichlorobenzene	17.736	146	2732	0.45	ug/L	#	60
116)	benzyl chloride	17.454	91	3152	0.43	ug/L		85
120)	1,3,5-trichlorobenzene	18.709	180	3226	0.47	ug/L		73
123)	hexachlorobutadiene	19.410	225	1735	0.55	ug/L		77

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\V3B7128\
Data File : 3B158337.D
Acq On : 16 Feb 2020 1:22 pm
Operator : PrashanS
Sample : IC7128-0.5
Misc : MS41039,V3B7128,5,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 17 10:55:41 2020
Quant Method : C:\MSDCHEM\1\METHODS\M3B7128.M
Quant Title : SW846 8260C / EPA 624, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Mon Feb 17 09:01:52 2020
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\V3B7128\
Data File : 3B158338.D
Acq On : 16 Feb 2020 1:50 pm
Operator : PrashanS
Sample : IC7128-1
Misc : MS41039,V3B7128,5,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 17 11:24:53 2020
Quant Method : C:\MSDCHEM\1\METHODS\M3B7128.M
Quant Title : SW846 8260C / EPA 624, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Mon Feb 17 09:01:52 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	7.945	65	218003	500.00	ug/L	0.00
5) pentafluorobenzene	10.487	168	175004	50.00	ug/L	0.00
54) 1,4-difluorobenzene	11.470	114	238192	50.00	ug/L	0.00
75) chlorobenzene-d5	14.813	117	222387	50.00	ug/L	0.00
99) 1,4-dichlorobenzene-d4	17.313	152	167897	50.00	ug/L	0.00
System Monitoring Compounds						
46) dibromofluoromethane (s)	10.513	113	81509	51.52	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 103.04%			
55) 1,2-dichloroethane-d4 (s)	10.963	65	102532	51.89	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 103.78%			
76) toluene-d8 (s)	13.191	98	262779	49.11	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 98.22%			
100) 4-bromofluorobenzene (s)	16.073	95	114565	48.08	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 96.16%			
Target Compounds						Qvalue
4) 1,4-dioxane	12.145	88	814	24.00	ug/L #	25
6) chlorodifluoromethane	4.132	51	4742	0.94	ug/L	88
7) dichlorodifluoromethane	4.106	85	5767	1.04	ug/L	84
8) chloromethane	4.525	50	5779	1.12	ug/L	69
9) vinyl chloride	4.781	62	5427	1.05	ug/L	81
10) 1,3-butadiene	4.849	54	2998	1.13	ug/L #	80
11) bromomethane	5.513	94	3442	1.15	ug/L #	68
12) chloroethane	5.681	64	2043	1.13	ug/L #	68
13) trichlorofluoromethane	6.251	101	5030	0.97	ug/L	87
14) vinyl bromide	6.078	106	2677	1.09	ug/L #	55
16) 2-chloropropane	6.946	43	3400	0.95	ug/L	77
18) freon 113	7.203	151	2145	0.96	ug/L #	64
19) 1,1-dichloroethene	7.187	96	1669	0.92	ug/L #	24
20) acetone	7.203	43	2785	3.57	ug/L	49
23) carbon disulfide	7.626	76	5700	0.98	ug/L	95
24) methylene chloride	8.003	84	1809	0.93	ug/L	77
26) methyl tert butyl ether	8.406	73	6002	0.91	ug/L	77
27) trans-1,2-dichloroethene	8.468	96	1797	1.11	ug/L #	64
28) hexane	8.866	56	847	0.73	ug/L #	68
29) di-isopropyl ether	9.101	45	6076	0.91	ug/L	87
31) 1,1-dichloroethane	9.106	63	2611	0.89	ug/L	88
32) chloroprene	9.221	53	2089	0.80	ug/L	80
35) ethyl tert-butyl ether	9.603	59	6241	0.91	ug/L	93
37) 2,2-dichloropropane	9.933	77	3762	0.99	ug/L	91
38) cis-1,2-dichloroethene	9.891	96	1608	0.93	ug/L #	67
42) bromochloromethane	10.215	128	927	1.00	ug/L #	86
44) chloroform	10.304	83	3017	0.98	ug/L	78
45) tert-Butyl Formate	10.346	59	1779	0.83	ug/L	75
47) 1,1,1-trichloroethane	10.592	97	3526	0.83	ug/L	86
48) cyclohexane	10.712	84	3275	1.01	ug/L	87
50) 1,1-dichloropropene	10.770	75	1401	0.66	ug/L	83
51) carbon tetrachloride	10.806	117	3549	0.96	ug/L	82
52) tert-amyl alcohol	10.900	73	791	3.30	ug/L	89
57) 2,2,4-trimethylpentane	11.141	57	6066	0.80	ug/L	91
58) benzene	11.031	78	5633	0.97	ug/L	83
59) tert-amyl methyl ether	11.125	73	5819	0.90	ug/L	96
60) heptane	11.319	57	921	0.77	ug/L	82
61) 1,2-dichloroethane	11.052	62	2818	1.12	ug/L	57
63) trichloroethene	11.810	95	1468	0.93	ug/L #	81
64) 2-chloroethyl vinyl ether	12.653	63	4156	3.91	ug/L	97
66) methylcyclohexane	12.114	83	3297	0.91	ug/L #	86
67) 1,2-dichloropropane	12.098	63	1228	0.78	ug/L	85
68) dibromomethane	12.218	93	886	0.81	ug/L #	79
69) bromodichloromethane	12.381	83	2495	1.02	ug/L	83
72) cis-1,3-dichloropropene	12.872	75	2002	0.77	ug/L	87

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\V3B7128\
Data File : 3B158338.D
Acq On : 16 Feb 2020 1:50 pm
Operator : PrashanS
Sample : IC7128-1
Misc : MS41039,V3B7128,5,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 17 11:24:53 2020
Quant Method : C:\MSDCHEM\1\METHODS\M3B7128.M
Quant Title : SW846 8260C / EPA 624, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Mon Feb 17 09:01:52 2020
Response via : Initial Calibration

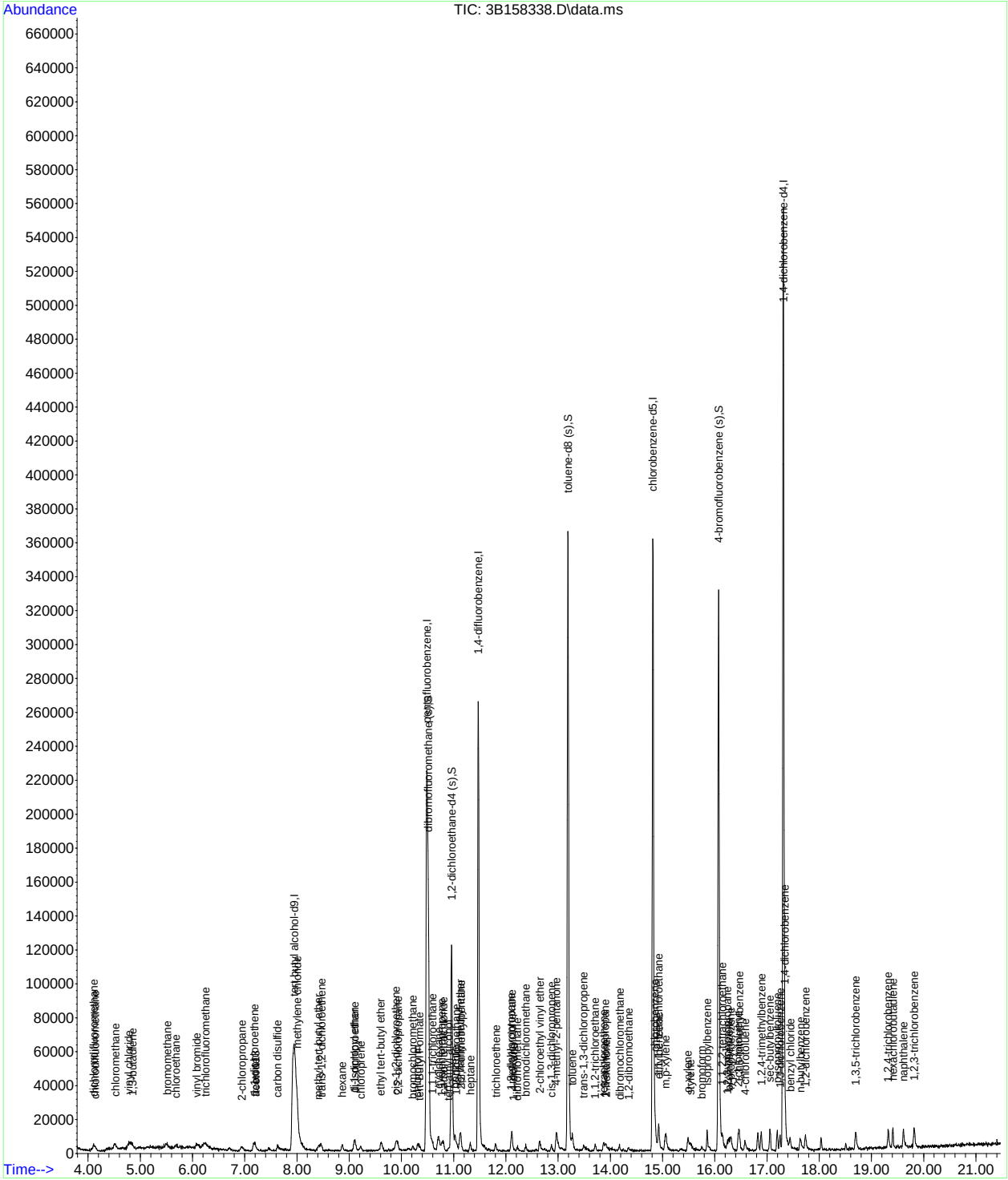
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
73) 4-methyl-2-pentanone	12.961	58	2992	3.40	ug/L	#	77
77) toluene	13.270	92	3363	0.89	ug/L	#	67
79) trans-1,3-dichloropropene	13.484	75	1576	0.63	ug/L		94
80) 1,1,2-trichloroethane	13.704	83	1135	0.92	ug/L	#	62
81) tetrachloroethene	13.866	164	1265	0.84	ug/L	#	62
82) 2-hexanone	13.923	58	1655	1.91	ug/L	#	70
83) 1,3-dichloropropane	13.903	76	1806	0.79	ug/L		77
85) dibromochloromethane	14.180	129	1833	0.90	ug/L		85
86) 1,2-dibromoethane	14.352	107	1380	0.77	ug/L		89
88) chlorobenzene	14.849	112	3905	0.91	ug/L		91
89) 1,1,1,2-tetrachloroethane	14.922	131	2004	0.87	ug/L		74
90) ethylbenzene	14.928	91	7314	0.98	ug/L		85
91) m,p-xylene	15.058	106	5001	1.73	ug/L	#	66
92) o-xylene	15.482	91	5909	0.89	ug/L		96
93) styrene	15.529	104	4050	0.86	ug/L		56
96) isopropylbenzene	15.859	105	8409	0.92	ug/L		95
97) bromoform	15.749	173	1396	0.82	ug/L		92
101) 1,1,2,2-tetrachloroethane	16.141	83	2643	0.89	ug/L		89
103) 1,2,3-trichloropropane	16.240	110	843	0.95	ug/L	#	81
104) bromobenzene	16.272	156	2265	0.89	ug/L		90
105) n-propylbenzene	16.308	91	9003	0.84	ug/L		98
106) 2-chlorotoluene	16.450	126	2183	0.91	ug/L	#	76
107) 4-chlorotoluene	16.580	91	5763	0.93	ug/L		93
108) 1,3,5-trimethylbenzene	16.471	105	6894	0.77	ug/L		91
110) 1,2,4-trimethylbenzene	16.894	105	7105	0.81	ug/L		88
111) sec-butylbenzene	17.051	105	9809	0.80	ug/L		96
112) p-isopropyltoluene	17.198	119	8453	0.80	ug/L		86
113) 1,3-dichlorobenzene	17.250	146	4059	0.81	ug/L		95
114) 1,4-dichlorobenzene	17.339	146	5126	1.01	ug/L		85
115) 1,2-dichlorobenzene	17.736	146	5489	0.98	ug/L		82
116) benzyl chloride	17.443	91	5042	0.74	ug/L		94
117) n-butylbenzene	17.642	92	3956	0.79	ug/L	#	80
120) 1,3,5-trichlorobenzene	18.693	180	5603	0.87	ug/L		81
122) 1,2,4-trichlorobenzene	19.316	180	4571	0.66	ug/L		79
123) hexachlorobutadiene	19.410	225	2760	0.94	ug/L		88
124) naphthalene	19.614	128	14419	0.76	ug/L		96
125) 1,2,3-trichlorobenzene	19.818	180	5502	0.72	ug/L		90

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\V3B7128\
Data File : 3B158338.D
Acq On : 16 Feb 2020 1:50 pm
Operator : PrashanS
Sample : IC7128-1
Misc : MS41039,V3B7128,5,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 17 11:24:53 2020
Quant Method : C:\MSDCHEM\1\METHODS\M3B7128.M
Quant Title : SW846 8260C / EPA 624, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Mon Feb 17 09:01:52 2020
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\V3B7128\
Data File : 3B158339.D
Acq On : 16 Feb 2020 2:19 pm
Operator : PrashanS
Sample : IC7128-2
Misc : MS41039,V3B7128,5,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 17 11:26:18 2020
Quant Method : C:\MSDCHEM\1\METHODS\M3B7128.M
Quant Title : SW846 8260C / EPA 624, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Mon Feb 17 09:01:52 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	7.930	65	214933	500.00	ug/L	-0.02
5) pentafluorobenzene	10.487	168	183393	50.00	ug/L	0.00
54) 1,4-difluorobenzene	11.471	114	251691	50.00	ug/L	0.00
75) chlorobenzene-d5	14.813	117	236378	50.00	ug/L	0.00
99) 1,4-dichlorobenzene-d4	17.313	152	172999	50.00	ug/L	0.00
System Monitoring Compounds						
46) dibromofluoromethane (s)	10.513	113	84078	50.72	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 101.44%			
55) 1,2-dichloroethane-d4 (s)	10.963	65	105366	50.47	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 100.94%			
76) toluene-d8 (s)	13.186	98	275566	48.45	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 96.90%			
100) 4-bromofluorobenzene (s)	16.073	95	118753	48.37	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 96.74%			
Target Compounds						Qvalue
3) tertiary butyl alcohol	8.102	59	5173	9.95	ug/L	79
4) 1,4-dioxane	12.161	88	1362	40.73	ug/L	97
6) chlorodifluoromethane	4.117	51	10003	1.89	ug/L	89
7) dichlorodifluoromethane	4.112	85	11843	2.03	ug/L	87
8) chloromethane	4.514	50	11200	2.08	ug/L	88
9) vinyl chloride	4.786	62	10373	1.91	ug/L	97
10) 1,3-butadiene	4.844	54	5515	1.99	ug/L #	75
11) bromomethane	5.503	94	6571	2.10	ug/L #	75
12) chloroethane	5.702	64	3901	2.06	ug/L	86
13) trichlorofluoromethane	6.225	101	11348	2.10	ug/L	91
14) vinyl bromide	6.089	106	5468	2.12	ug/L #	82
15) ethyl ether	6.706	74	1310	1.53	ug/L #	33
16) 2-chloropropane	6.931	43	7832	2.08	ug/L	90
18) freon 113	7.177	151	3902	1.67	ug/L	93
19) 1,1-dichloroethene	7.177	96	4149	2.19	ug/L #	69
20) acetone	7.187	43	4680	5.72	ug/L	92
21) acetonitrile	7.694	41	6517	15.61	ug/L	76
22) iodomethane	7.454	142	6459	1.90	ug/L	94
23) carbon disulfide	7.632	76	12012	1.97	ug/L	90
24) methylene chloride	7.998	84	3864	1.90	ug/L	89
26) methyl tert butyl ether	8.416	73	13372	1.93	ug/L	93
27) trans-1,2-dichloroethene	8.468	96	3156	1.86	ug/L	82
28) hexane	8.861	56	2182	1.79	ug/L #	58
29) di-isopropyl ether	9.101	45	11695	1.68	ug/L	84
30) 2-butanone	9.823	72	1318	5.33	ug/L #	29
31) 1,1-dichloroethane	9.091	63	5612	1.82	ug/L	91
32) chloroprene	9.211	53	4918	1.80	ug/L	84
35) ethyl tert-butyl ether	9.614	59	12919	1.80	ug/L	92
37) 2,2-dichloropropane	9.912	77	7802	1.96	ug/L	77
38) cis-1,2-dichloroethene	9.891	96	3364	1.86	ug/L	92
39) propionitrile	9.902	54	4272	15.03	ug/L	89
42) bromochloromethane	10.215	128	1662	1.71	ug/L	92
43) tetrahydrofuran	10.247	42	1404	1.89	ug/L	73
44) chloroform	10.309	83	5869	1.83	ug/L	85
45) tert-Butyl Formate	10.341	59	3498	1.56	ug/L	87
47) 1,1,1-trichloroethane	10.592	97	8192	1.84	ug/L	96
48) cyclohexane	10.712	84	6825	2.02	ug/L	89
50) 1,1-dichloropropene	10.770	75	4166	1.88	ug/L	82
51) carbon tetrachloride	10.806	117	7036	1.81	ug/L	87
52) tert-amyl alcohol	10.911	73	2289	9.11	ug/L #	71
57) 2,2,4-trimethylpentane	11.136	57	12269	1.54	ug/L	97
58) benzene	11.026	78	11873	1.94	ug/L	90
59) tert-amyl methyl ether	11.125	73	12846	1.88	ug/L	89
60) heptane	11.314	57	2475	1.95	ug/L	83
61) 1,2-dichloroethane	11.057	62	5490	2.06	ug/L	91

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\V3B7128\
Data File : 3B158339.D
Acq On : 16 Feb 2020 2:19 pm
Operator : PrashanS
Sample : IC7128-2
Misc : MS41039,V3B7128,5,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 17 11:26:18 2020
Quant Method : C:\MSDCHEM\1\METHODS\M3B7128.M
Quant Title : SW846 8260C / EPA 624, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Mon Feb 17 09:01:52 2020
Response via : Initial Calibration

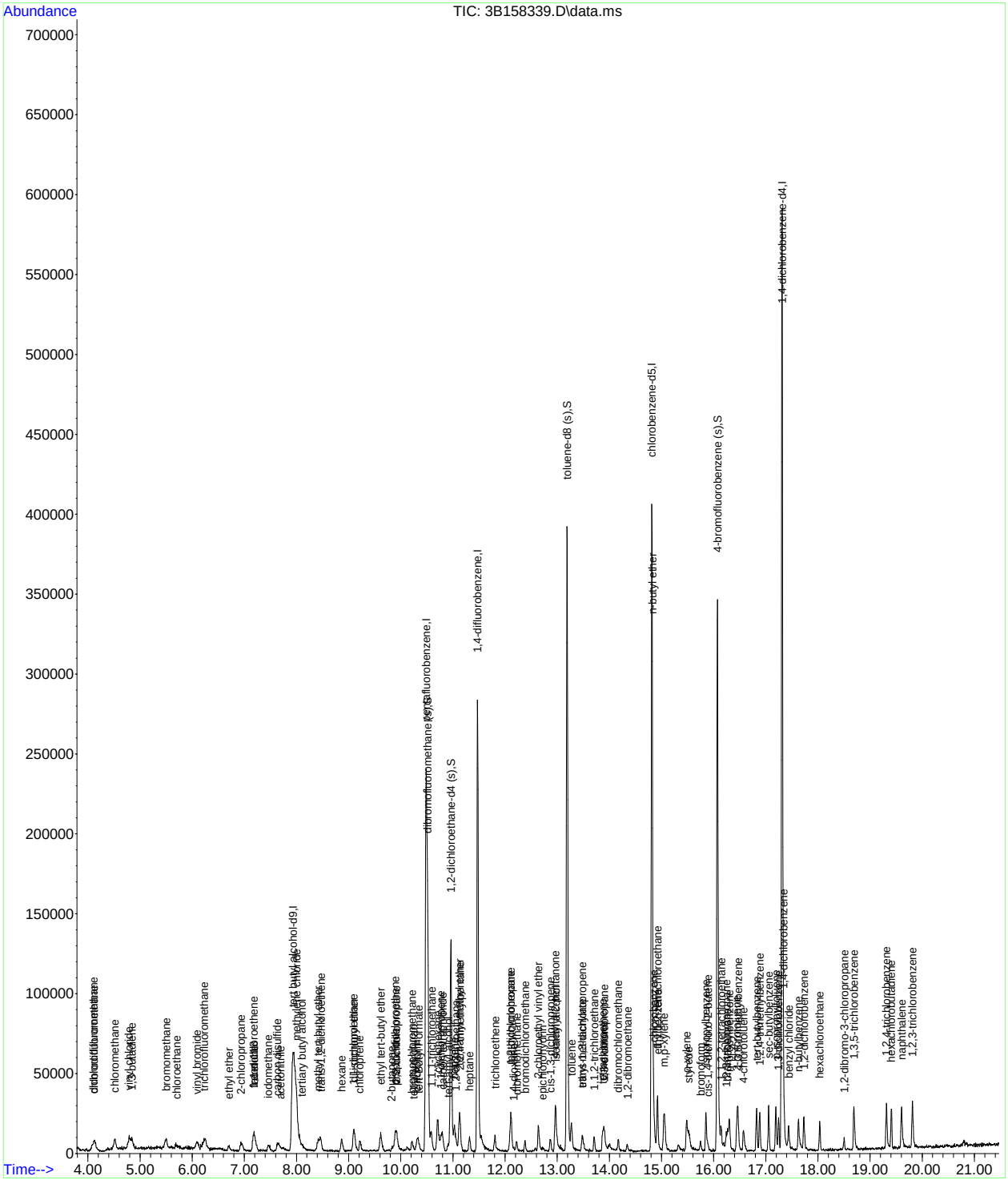
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
63) trichloroethene	11.811	95	3105	1.87	ug/L		86
64) 2-chloroethyl vinyl ether	12.637	63	9304	8.28	ug/L		87
66) methylcyclohexane	12.109	83	6850	1.80	ug/L		89
67) 1,2-dichloropropane	12.109	63	3371	2.04	ug/L		76
68) dibromomethane	12.224	93	2250	1.95	ug/L		84
69) bromodichloromethane	12.386	83	4691	1.82	ug/L		83
71) epichlorohydrin	12.721	57	2180	8.98	ug/L		81
72) cis-1,3-dichloropropene	12.872	75	5010	1.83	ug/L		87
73) 4-methyl-2-pentanone	12.966	58	6579	7.07	ug/L		97
74) isoamyl alcohol	12.972	70	3692	36.91	ug/L	#	82
77) toluene	13.275	92	7433	1.86	ug/L		94
78) ethyl methacrylate	13.479	69	3946	1.66	ug/L	#	76
79) trans-1,3-dichloropropene	13.479	75	4383	1.64	ug/L		78
80) 1,1,2-trichloroethane	13.709	83	2476	1.89	ug/L	#	70
81) tetrachloroethene	13.871	164	3256	2.04	ug/L	#	74
82) 2-hexanone	13.892	58	4364	4.74	ug/L	#	70
83) 1,3-dichloropropane	13.903	76	4953	2.03	ug/L		93
85) dibromochloromethane	14.169	129	4069	1.87	ug/L		81
86) 1,2-dibromoethane	14.352	107	3444	1.80	ug/L	#	63
87) n-butyl ether	14.823	57	12497	1.64	ug/L		67
88) chlorobenzene	14.849	112	9142	2.00	ug/L		82
89) 1,1,1,2-tetrachloroethane	14.923	131	4319	1.77	ug/L		90
90) ethylbenzene	14.928	91	14656	1.85	ug/L		90
91) m,p-xylene	15.048	106	10727	3.49	ug/L	#	73
92) o-xylene	15.482	91	13269	1.87	ug/L		89
93) styrene	15.519	104	8778	1.75	ug/L		61
96) isopropylbenzene	15.854	105	16869	1.74	ug/L		92
97) bromoform	15.754	173	3097	1.72	ug/L		71
98) cis-1,4-dichloro-2-butene	15.890	88	1462	1.24	ug/L	#	70
101) 1,1,2,2-tetrachloroethane	16.146	83	5055	1.66	ug/L		79
103) 1,2,3-trichloropropane	16.246	110	1484	1.62	ug/L	#	48
104) bromobenzene	16.267	156	4132	1.57	ug/L		92
105) n-propylbenzene	16.298	91	18617	1.69	ug/L		90
106) 2-chlorotoluene	16.445	126	4554	1.84	ug/L		93
107) 4-chlorotoluene	16.570	91	11022	1.72	ug/L		77
108) 1,3,5-trimethylbenzene	16.471	105	14625	1.59	ug/L		92
109) tert-butylbenzene	16.826	119	13386	1.55	ug/L		95
110) 1,2,4-trimethylbenzene	16.884	105	15301	1.69	ug/L		85
111) sec-butylbenzene	17.056	105	19497	1.55	ug/L		98
112) p-isopropyltoluene	17.192	119	16741	1.55	ug/L		91
113) 1,3-dichlorobenzene	17.245	146	9023	1.75	ug/L		97
114) 1,4-dichlorobenzene	17.339	146	10243	1.96	ug/L		90
115) 1,2-dichlorobenzene	17.731	146	10251	1.78	ug/L		99
116) benzyl chloride	17.438	91	12769	1.83	ug/L		97
117) n-butylbenzene	17.627	92	8284	1.61	ug/L		88
118) hexachloroethane	18.029	201	3040	1.33	ug/L		86
119) 1,2-dibromo-3-chloropr...	18.505	157	2233	1.57	ug/L		89
120) 1,3,5-trichlorobenzene	18.688	180	11275	1.70	ug/L		85
122) 1,2,4-trichlorobenzene	19.311	180	11371	1.59	ug/L		83
123) hexachlorobutadiene	19.405	225	5346	1.77	ug/L		89
124) naphthalene	19.604	128	29018	1.49	ug/L		94
125) 1,2,3-trichlorobenzene	19.808	180	12109	1.54	ug/L		88

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\V3B7128\
Data File : 3B158339.D
Acq On : 16 Feb 2020 2:19 pm
Operator : PrashanS
Sample : IC7128-2
Misc : MS41039,V3B7128,5,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 17 11:26:18 2020
Quant Method : C:\MSDCHEM\1\METHODS\M3B7128.M
Quant Title : SW846 8260C / EPA 624, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Mon Feb 17 09:01:52 2020
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\V3B7128\
Data File : 3B158340.D
Acq On : 16 Feb 2020 2:47 pm
Operator : PrashanS
Sample : IC7128-4
Misc : MS41039,V3B7128,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 17 11:26:59 2020
Quant Method : C:\MSDCHEM\1\METHODS\M3B7128.M
Quant Title : SW846 8260C / EPA 624, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Mon Feb 17 09:01:52 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	7.940	65	218005	500.00	ug/L		-0.01
5) pentafluorobenzene	10.487	168	184149	50.00	ug/L		0.00
54) 1,4-difluorobenzene	11.476	114	246412	50.00	ug/L		0.00
75) chlorobenzene-d5	14.813	117	221344	50.00	ug/L		0.00
99) 1,4-dichlorobenzene-d4	17.313	152	169116	50.00	ug/L		0.00
System Monitoring Compounds							
46) dibromofluoromethane (s)	10.513	113	84202	50.58	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 101.16%				
55) 1,2-dichloroethane-d4 (s)	10.963	65	108200	52.94	ug/L		0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 105.88%				
76) toluene-d8 (s)	13.191	98	271468	50.97	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 101.94%				
100) 4-bromofluorobenzene (s)	16.073	95	120243	50.10	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.20%				
Target Compounds							Qvalue
3) tertiary butyl alcohol	8.071	59	8831	16.74	ug/L		94
4) 1,4-dioxane	12.166	88	2842	83.80	ug/L	#	73
6) chlorodifluoromethane	4.132	51	19210	3.62	ug/L		90
7) dichlorodifluoromethane	4.117	85	22135	3.78	ug/L		92
8) chloromethane	4.530	50	20144	3.72	ug/L		92
9) vinyl chloride	4.797	62	18949	3.48	ug/L		84
10) 1,3-butadiene	4.859	54	10688	3.84	ug/L		87
11) bromomethane	5.503	94	12308	3.92	ug/L		89
12) chloroethane	5.686	64	7210	3.80	ug/L		84
13) trichlorofluoromethane	6.251	101	21374	3.93	ug/L		90
14) vinyl bromide	6.115	106	9965	3.84	ug/L		87
15) ethyl ether	6.700	74	3011	3.50	ug/L	#	81
16) 2-chloropropane	6.946	43	15095	3.99	ug/L		88
18) freon 113	7.192	151	9196	3.93	ug/L		86
19) 1,1-dichloroethene	7.187	96	7034	3.70	ug/L	#	82
20) acetone	7.197	43	11715	14.26	ug/L		87
21) acetonitrile	7.673	41	14971	35.71	ug/L		86
22) iodomethane	7.469	142	13842	4.05	ug/L		97
23) carbon disulfide	7.637	76	24593	4.01	ug/L		91
24) methylene chloride	8.003	84	7534	3.69	ug/L		93
25) methyl acetate	7.752	43	5116	3.01	ug/L		65
26) methyl tert butyl ether	8.432	73	26068	3.76	ug/L		95
27) trans-1,2-dichloroethene	8.463	96	6201	3.64	ug/L		87
28) hexane	8.861	56	5216	4.27	ug/L	#	67
29) di-isopropyl ether	9.101	45	25594	3.66	ug/L		86
30) 2-butanone	9.844	72	3032	12.21	ug/L		90
31) 1,1-dichloroethane	9.101	63	12467	4.03	ug/L		96
32) chloroprene	9.221	53	10167	3.71	ug/L		94
33) acrylonitrile	8.379	53	2025	2.51	ug/L	#	60
35) ethyl tert-butyl ether	9.619	59	26563	3.69	ug/L		97
36) ethyl acetate	9.870	45	808	2.15	ug/L	#	7
37) 2,2-dichloropropane	9.922	77	15775	3.95	ug/L		98
38) cis-1,2-dichloroethene	9.896	96	6940	3.81	ug/L		98
39) propionitrile	9.896	54	9454	33.12	ug/L		86
40) methyl acrylate	9.954	85	154	0.57	ug/L	#	1
41) methacrylonitrile	10.121	67	2553	3.32	ug/L		87
42) bromochloromethane	10.210	128	3538	3.62	ug/L		87
43) tetrahydrofuran	10.247	42	2525	3.39	ug/L		87
44) chloroform	10.315	83	12819	3.97	ug/L		92
45) tert-Butyl Formate	10.346	59	8011	3.56	ug/L		92
47) 1,1,1-trichloroethane	10.581	97	16251	3.64	ug/L		97
48) cyclohexane	10.723	84	13375	3.93	ug/L	#	74
50) 1,1-dichloropropene	10.770	75	8502	3.82	ug/L		86
51) carbon tetrachloride	10.801	117	14615	3.75	ug/L		89
52) tert-amyl alcohol	10.900	73	4749	18.81	ug/L	#	73

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\V3B7128\
Data File : 3B158340.D
Acq On : 16 Feb 2020 2:47 pm
Operator : PrashanS
Sample : IC7128-4
Misc : MS41039,V3B7128,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 17 11:26:59 2020
Quant Method : C:\MSDCHEM\1\METHODS\M3B7128.M
Quant Title : SW846 8260C / EPA 624, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Mon Feb 17 09:01:52 2020
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
53)	isopropyl acetate	10.942	87	1082	2.43	ug/L	#	1
56)	n-butyl alcohol	11.533	56	15544	163.37	ug/L		89
57)	2,2,4-trimethylpentane	11.136	57	27076	3.47	ug/L		97
58)	benzene	11.031	78	22981	3.84	ug/L		97
59)	tert-amyl methyl ether	11.120	73	26625	3.99	ug/L		97
60)	heptane	11.314	57	4160	3.34	ug/L	#	78
61)	1,2-dichloroethane	11.068	62	11031	4.23	ug/L		88
62)	ethyl acrylate	11.805	55	6071	2.39	ug/L		92
63)	trichloroethene	11.800	95	5596	3.44	ug/L		84
64)	2-chloroethyl vinyl ether	12.632	63	19238	17.49	ug/L		98
65)	methyl methacrylate	12.082	100	1344	2.81	ug/L	#	58
66)	methylcyclohexane	12.114	83	13988	3.75	ug/L		92
67)	1,2-dichloropropane	12.103	63	6031	3.72	ug/L		87
68)	dibromomethane	12.213	93	3987	3.53	ug/L		90
69)	bromodichloromethane	12.381	83	9310	3.68	ug/L		95
70)	2-nitropropane	12.574	41	2560	3.89	ug/L		86
71)	epichlorohydrin	12.715	57	4582	19.27	ug/L		88
72)	cis-1,3-dichloropropene	12.862	75	9967	3.72	ug/L		90
73)	4-methyl-2-pentanone	12.956	58	14026	15.40	ug/L	#	77
74)	isoamyl alcohol	12.966	70	6821	69.65	ug/L		88
77)	toluene	13.275	92	13306	3.55	ug/L		87
78)	ethyl methacrylate	13.474	69	7592	3.42	ug/L	#	80
79)	trans-1,3-dichloropropene	13.474	75	9216	3.69	ug/L		92
80)	1,1,2-trichloroethane	13.704	83	4630	3.77	ug/L		97
81)	tetrachloroethene	13.871	164	5739	3.83	ug/L		86
82)	2-hexanone	13.882	58	12538	14.54	ug/L		98
83)	1,3-dichloropropane	13.903	76	9425	4.12	ug/L		86
84)	butyl acetate	13.986	56	3411	2.62	ug/L	#	83
85)	dibromochloromethane	14.174	129	7711	3.79	ug/L		97
86)	1,2-dibromoethane	14.342	107	6929	3.87	ug/L		96
87)	n-butyl ether	14.813	57	25717	3.60	ug/L		88
88)	chlorobenzene	14.849	112	17778	4.15	ug/L		86
89)	1,1,1,2-tetrachloroethane	14.917	131	8518	3.73	ug/L		92
90)	ethylbenzene	14.922	91	28291	3.81	ug/L		91
91)	m,p-xylene	15.048	106	22968	7.99	ug/L		97
92)	o-xylene	15.482	91	24667	3.72	ug/L		96
93)	styrene	15.498	104	18774	3.99	ug/L		96
94)	butyl acrylate	15.315	55	13521	3.45	ug/L		87
95)	n-amyl acetate	15.524	70	4497	3.30	ug/L	#	68
96)	isopropylbenzene	15.853	105	32880	3.63	ug/L		98
97)	bromoform	15.749	173	6653	3.95	ug/L		90
98)	cis-1,4-dichloro-2-butene	15.885	88	4130	3.75	ug/L		85
101)	1,1,2,2-tetrachloroethane	16.141	83	11199	3.76	ug/L		91
102)	trans-1,4-dichloro-2-b...	16.183	53	2669	2.92	ug/L		81
103)	1,2,3-trichloropropane	16.235	110	3181	3.55	ug/L		88
104)	bromobenzene	16.272	156	8856	3.45	ug/L		95
105)	n-propylbenzene	16.298	91	38507	3.58	ug/L		97
106)	2-chlorotoluene	16.444	126	8311	3.44	ug/L		90
107)	4-chlorotoluene	16.565	91	23046	3.68	ug/L		97
108)	1,3,5-trimethylbenzene	16.465	105	30259	3.37	ug/L		96
109)	tert-butylbenzene	16.821	119	26175	3.10	ug/L		100
110)	1,2,4-trimethylbenzene	16.884	105	30909	3.50	ug/L		96
111)	sec-butylbenzene	17.056	105	40606	3.31	ug/L		97
112)	p-isopropyltoluene	17.192	119	34788	3.29	ug/L		97
113)	1,3-dichlorobenzene	17.245	146	18918	3.76	ug/L		91
114)	1,4-dichlorobenzene	17.339	146	19776	3.87	ug/L		93
115)	1,2-dichlorobenzene	17.726	146	20783	3.68	ug/L		94
116)	benzyl chloride	17.428	91	24327	3.57	ug/L		98
117)	n-butylbenzene	17.621	92	16345	3.26	ug/L		86
118)	hexachloroethane	18.029	201	6525	2.91	ug/L		83
119)	1,2-dibromo-3-chloropr...	18.500	157	4917	3.53	ug/L		99
120)	1,3,5-trichlorobenzene	18.688	180	23583	3.65	ug/L		92
122)	1,2,4-trichlorobenzene	19.305	180	22709	3.26	ug/L		94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\V3B7128\
Data File : 3B158340.D
Acq On : 16 Feb 2020 2:47 pm
Operator : PrashanS
Sample : IC7128-4
Misc : MS41039,V3B7128,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 17 11:26:59 2020
Quant Method : C:\MSDCHEM\1\METHODS\M3B7128.M
Quant Title : SW846 8260C / EPA 624, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Mon Feb 17 09:01:52 2020
Response via : Initial Calibration

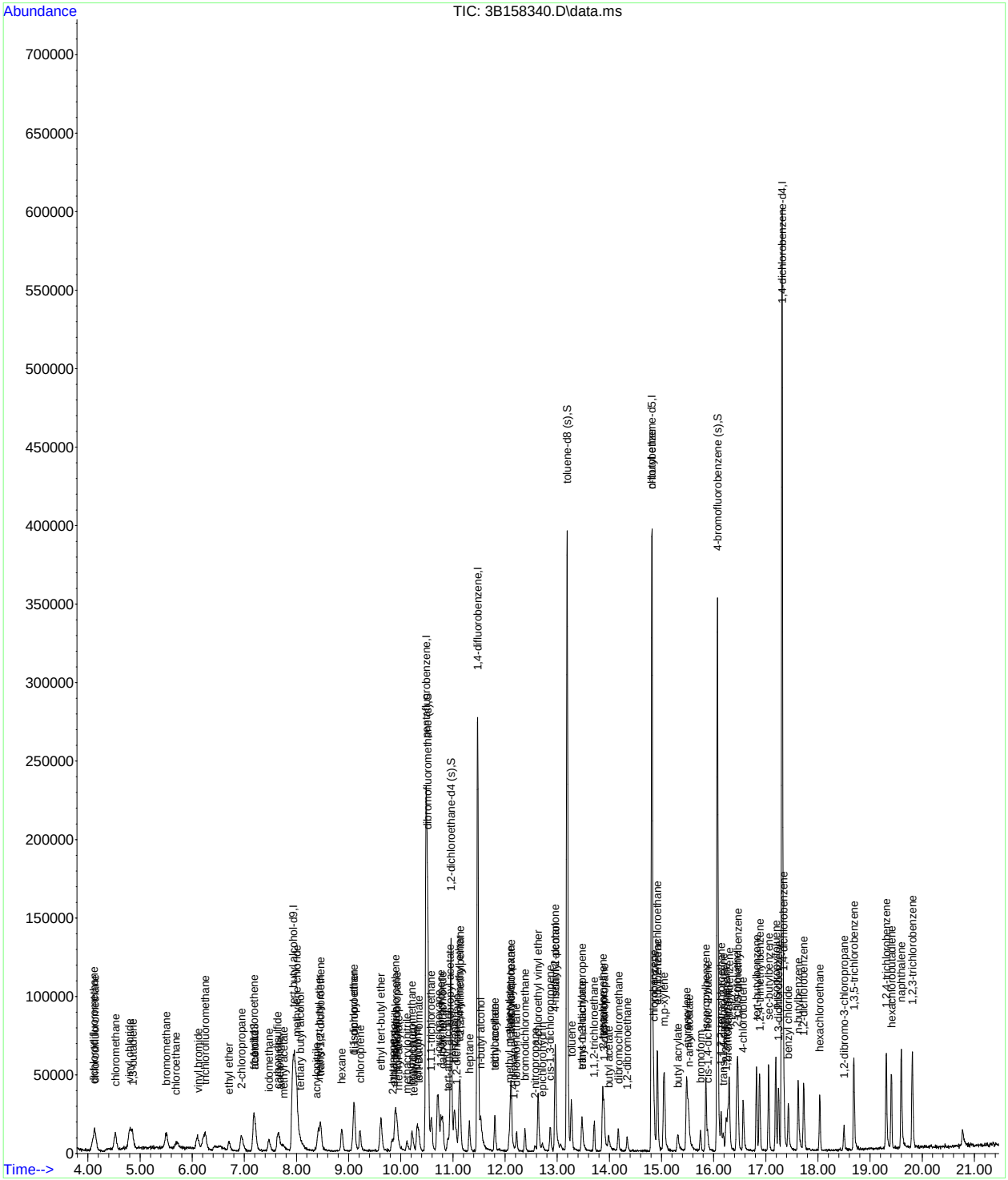
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
123) hexachlorobutadiene	19.410	225	10268	3.48	ug/L	96
124) naphthalene	19.598	128	61758	3.24	ug/L	96
125) 1,2,3-trichlorobenzene	19.813	180	23685	3.08	ug/L	89

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\V3B7128\
Data File : 3B158340.D
Acq On : 16 Feb 2020 2:47 pm
Operator : PrashanS
Sample : IC7128-4
Misc : MS41039,V3B7128,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 17 11:26:59 2020
Quant Method : C:\MSDCHEM\1\METHODS\M3B7128.M
Quant Title : SW846 8260C / EPA 624, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Mon Feb 17 09:01:52 2020
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\V3B7128\
Data File : 3B158341.D
Acq On : 16 Feb 2020 3:16 pm
Operator : PrashanS
Sample : IC7128-8
Misc : MS41039,V3B7128,5,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 17 09:26:15 2020
Quant Method : C:\MSDCHEM\1\METHODS\M3B7128.M
Quant Title : SW846 8260C / EPA 624, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Mon Feb 17 09:01:52 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	7.930	65	203701	500.00	ug/L		-0.02
5) pentafluorobenzene	10.482	168	174553	50.00	ug/L		0.00
54) 1,4-difluorobenzene	11.471	114	236312	50.00	ug/L		0.00
75) chlorobenzene-d5	14.813	117	216465	50.00	ug/L		0.00
99) 1,4-dichlorobenzene-d4	17.313	152	157580	50.00	ug/L		0.00
System Monitoring Compounds							
46) dibromofluoromethane (s)	10.513	113	77845	49.33	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 98.66%				
55) 1,2-dichloroethane-d4 (s)	10.958	65	104705	53.41	ug/L		0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 106.82%				
76) toluene-d8 (s)	13.186	98	260374	49.99	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 99.98%				
100) 4-bromofluorobenzene (s)	16.068	95	114976	51.41	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 102.82%				
Target Compounds							Qvalue
3) tertiary butyl alcohol	8.071	59	19399	39.36	ug/L		90
4) 1,4-dioxane	12.145	88	6240	196.91	ug/L	#	64
6) chlorodifluoromethane	4.122	51	39800	7.91	ug/L		94
7) dichlorodifluoromethane	4.080	85	42428	7.64	ug/L		89
8) chloromethane	4.509	50	38362	7.48	ug/L		90
9) vinyl chloride	4.786	62	38764	7.51	ug/L		88
10) 1,3-butadiene	4.839	54	20385	7.72	ug/L		93
11) bromomethane	5.487	94	22595	7.60	ug/L		93
12) chloroethane	5.702	64	14362	7.98	ug/L		80
13) trichlorofluoromethane	6.240	101	39738	7.71	ug/L		97
14) vinyl bromide	6.094	106	18681	7.60	ug/L		97
15) ethyl ether	6.711	74	6161	7.55	ug/L	#	64
16) 2-chloropropane	6.941	43	28287	7.89	ug/L		94
17) acrolein	6.962	56	3337	7.60	ug/L		95
18) freon 113	7.177	151	17234	7.77	ug/L		80
19) 1,1-dichloroethene	7.166	96	13740	7.63	ug/L		95
20) acetone	7.177	43	24471	31.43	ug/L		97
21) acetonitrile	7.663	41	29049	73.11	ug/L		84
22) iodomethane	7.464	142	24273	7.50	ug/L		96
23) carbon disulfide	7.626	76	44309	7.62	ug/L		91
24) methylene chloride	8.003	84	14670	7.58	ug/L		95
25) methyl acetate	7.736	43	10568	6.55	ug/L		88
26) methyl tert butyl ether	8.416	73	51978	7.90	ug/L		97
27) trans-1,2-dichloroethene	8.463	96	12502	7.74	ug/L		89
28) hexane	8.861	56	8722	7.53	ug/L		87
29) di-isopropyl ether	9.096	45	51051	7.70	ug/L		92
30) 2-butanone	9.813	72	6567	27.89	ug/L		97
31) 1,1-dichloroethane	9.096	63	22995	7.84	ug/L		99
32) chloroprene	9.216	53	19310	7.43	ug/L		95
33) acrylonitrile	8.348	53	5273	6.89	ug/L		96
34) vinyl acetate	9.049	86	1595	5.25	ug/L	#	48
35) ethyl tert-butyl ether	9.619	59	51404	7.54	ug/L		95
36) ethyl acetate	9.860	45	2539	7.12	ug/L	#	19
37) 2,2-dichloropropane	9.922	77	29775	7.87	ug/L		97
38) cis-1,2-dichloroethene	9.891	96	13440	7.79	ug/L		96
39) propionitrile	9.886	54	19570	72.33	ug/L		92
40) methyl acrylate	9.954	85	1034	4.04	ug/L	#	40
41) methacrylonitrile	10.116	67	4919	6.75	ug/L	#	77
42) bromochloromethane	10.210	128	7128	7.70	ug/L		95
43) tetrahydrofuran	10.231	42	5206	7.37	ug/L		83
44) chloroform	10.309	83	23963	7.83	ug/L		98
45) tert-Butyl Formate	10.341	59	15548	7.28	ug/L		93
47) 1,1,1-trichloroethane	10.587	97	31131	7.36	ug/L		98
48) cyclohexane	10.707	84	24695	7.66	ug/L		89
50) 1,1-dichloropropene	10.764	75	16438	7.80	ug/L		91

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\V3B7128\
Data File : 3B158341.D
Acq On : 16 Feb 2020 3:16 pm
Operator : PrashanS
Sample : IC7128-8
Misc : MS41039,V3B7128,5,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 17 09:26:15 2020
Quant Method : C:\MSDCHEM\1\METHODS\M3B7128.M
Quant Title : SW846 8260C / EPA 624, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Mon Feb 17 09:01:52 2020
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
51)	carbon tetrachloride	10.801	117	28642	7.76	ug/L		98
52)	tert-amyl alcohol	10.911	73	8344	34.87	ug/L		88
53)	isopropyl acetate	10.942	87	2928	6.92	ug/L	#	62
56)	n-butyl alcohol	11.523	56	28411	311.36	ug/L		86
57)	2,2,4-trimethylpentane	11.136	57	52275	6.98	ug/L		96
58)	benzene	11.026	78	45207	7.89	ug/L		98
59)	tert-amyl methyl ether	11.120	73	51661	8.06	ug/L		98
60)	heptane	11.308	57	8817	7.39	ug/L		87
61)	1,2-dichloroethane	11.057	62	21328	8.52	ug/L		97
62)	ethyl acrylate	11.795	55	17116	7.02	ug/L		92
63)	trichloroethene	11.800	95	12009	7.69	ug/L		95
64)	2-chloroethyl vinyl ether	12.626	63	39515	37.47	ug/L		93
65)	methyl methacrylate	12.072	100	3286	7.15	ug/L	#	71
66)	methylcyclohexane	12.119	83	25869	7.23	ug/L		93
67)	1,2-dichloropropane	12.098	63	12240	7.87	ug/L		99
68)	dibromomethane	12.218	93	8086	7.46	ug/L		84
69)	bromodichloromethane	12.381	83	18932	7.81	ug/L		95
70)	2-nitropropane	12.569	41	4783	7.57	ug/L		94
71)	epichlorohydrin	12.715	57	9458	41.48	ug/L		85
72)	cis-1,3-dichloropropene	12.867	75	19794	7.70	ug/L		96
73)	4-methyl-2-pentanone	12.956	58	26748	30.62	ug/L		92
74)	isoamyl alcohol	12.966	70	14917	158.83	ug/L		93
77)	toluene	13.275	92	29268	7.99	ug/L	#	83
78)	ethyl methacrylate	13.463	69	15773	7.26	ug/L		99
79)	trans-1,3-dichloropropene	13.474	75	19094	7.82	ug/L		89
80)	1,1,2-trichloroethane	13.704	83	9063	7.54	ug/L		94
81)	tetrachloroethene	13.866	164	11599	7.92	ug/L		91
82)	2-hexanone	13.871	58	24271	28.78	ug/L		95
83)	1,3-dichloropropane	13.903	76	17744	7.93	ug/L		96
84)	butyl acetate	13.981	56	8759	6.88	ug/L	#	74
85)	dibromochloromethane	14.169	129	14812	7.45	ug/L		90
86)	1,2-dibromoethane	14.342	107	13619	7.79	ug/L		97
87)	n-butyl ether	14.802	57	50668	7.26	ug/L		95
88)	chlorobenzene	14.849	112	33223	7.94	ug/L		92
89)	1,1,1,2-tetrachloroethane	14.917	131	16342	7.32	ug/L		90
90)	ethylbenzene	14.917	91	55474	7.64	ug/L		98
91)	m,p-xylene	15.048	106	43435	15.45	ug/L		94
92)	o-xylene	15.477	91	50394	7.78	ug/L		99
93)	styrene	15.498	104	36255	7.88	ug/L		99
94)	butyl acrylate	15.299	55	28968	7.55	ug/L		95
95)	n-amyl acetate	15.508	70	10335	7.76	ug/L		90
96)	isopropylbenzene	15.853	105	65987	7.45	ug/L		98
97)	bromoform	15.749	173	13438	8.15	ug/L		87
98)	cis-1,4-dichloro-2-butene	15.880	88	7679	7.14	ug/L		90
101)	1,1,2,2-tetrachloroethane	16.141	83	20652	7.44	ug/L		87
102)	trans-1,4-dichloro-2-b...	16.178	53	5893	6.91	ug/L	#	68
103)	1,2,3-trichloropropane	16.235	110	5893	7.06	ug/L		94
104)	bromobenzene	16.267	156	17724	7.41	ug/L		85
105)	n-propylbenzene	16.298	91	73178	7.29	ug/L		96
106)	2-chlorotoluene	16.445	126	15881	7.05	ug/L		96
107)	4-chlorotoluene	16.565	91	44687	7.65	ug/L		97
108)	1,3,5-trimethylbenzene	16.460	105	57826	6.92	ug/L		94
109)	tert-butylbenzene	16.821	119	53155	6.76	ug/L		91
110)	1,2,4-trimethylbenzene	16.879	105	58196	7.08	ug/L		90
111)	sec-butylbenzene	17.051	105	77078	6.73	ug/L		99
112)	p-isopropyltoluene	17.187	119	67678	6.86	ug/L		98
113)	1,3-dichlorobenzene	17.245	146	35370	7.55	ug/L		97
114)	1,4-dichlorobenzene	17.339	146	36769	7.72	ug/L		97
115)	1,2-dichlorobenzene	17.726	146	39807	7.57	ug/L		99
116)	benzyl chloride	17.428	91	46664	7.35	ug/L		99
117)	n-butylbenzene	17.616	92	35524	7.60	ug/L		95
118)	hexachloroethane	18.035	201	12917	6.19	ug/L		89
119)	1,2-dibromo-3-chloropr...	18.500	157	9490	7.31	ug/L		83

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\V3B7128\
Data File : 3B158341.D
Acq On : 16 Feb 2020 3:16 pm
Operator : PrashanS
Sample : IC7128-8
Misc : MS41039,V3B7128,5,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 17 09:26:15 2020
Quant Method : C:\MSDCHEM\1\METHODS\M3B7128.M
Quant Title : SW846 8260C / EPA 624, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Mon Feb 17 09:01:52 2020
Response via : Initial Calibration

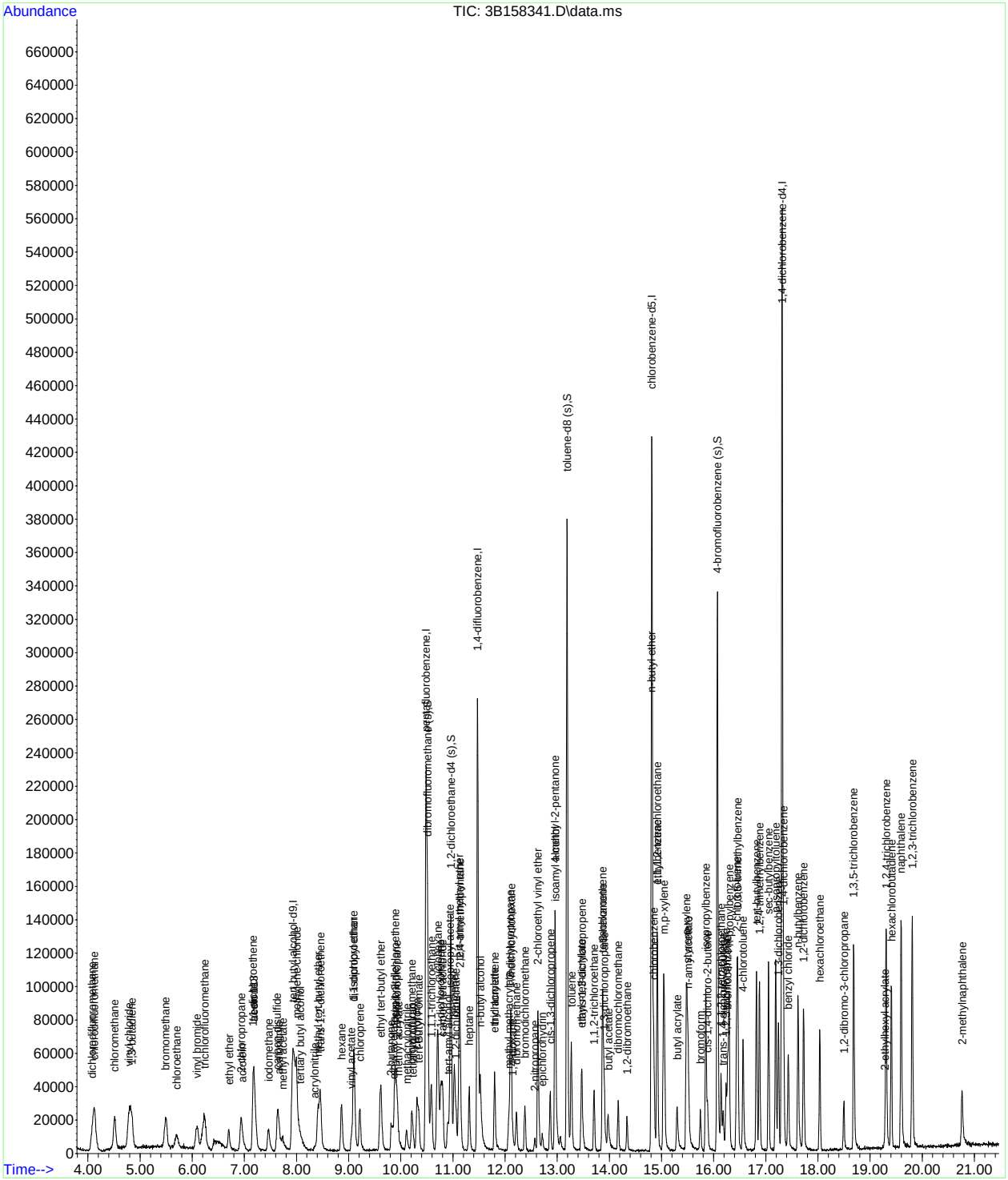
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
120) 1,3,5-trichlorobenzene	18.683	180	44590	7.40	ug/L	98
121) 2-ethylhexyl acrylate	19.285	70	2652	0.75	ug/L	89
122) 1,2,4-trichlorobenzene	19.311	180	46636	7.18	ug/L	94
123) hexachlorobutadiene	19.410	225	20557	7.48	ug/L	96
124) naphthalene	19.593	128	128308	7.22	ug/L	98
125) 1,2,3-trichlorobenzene	19.808	180	50249	7.01	ug/L	99
126) 2-methylnaphthalene	20.765	142	28072	2.39	ug/L	93

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\V3B7128\
Data File : 3B158341.D
Acq On : 16 Feb 2020 3:16 pm
Operator : PrashanS
Sample : IC7128-8
Misc : MS41039,V3B7128,5,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 17 09:26:15 2020
Quant Method : C:\MSDCHEM\1\METHODS\M3B7128.M
Quant Title : SW846 8260C / EPA 624, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Mon Feb 17 09:01:52 2020
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\V3B7128\
Data File : 3B158342.D
Acq On : 16 Feb 2020 3:44 pm
Operator : PrashanS
Sample : IC7128-20
Misc : MS41039,V3B7128,5,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 17 09:26:41 2020
Quant Method : C:\MSDCHEM\1\METHODS\M3B7128.M
Quant Title : SW846 8260C / EPA 624, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Mon Feb 17 09:01:52 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	7.951	65	218503	500.00	ug/L	0.00
5) pentafluorobenzene	10.487	168	177485	50.00	ug/L	0.00
54) 1,4-difluorobenzene	11.476	114	248480	50.00	ug/L	0.00
75) chlorobenzene-d5	14.813	117	228077	50.00	ug/L	0.00
99) 1,4-dichlorobenzene-d4	17.313	152	162909	50.00	ug/L	0.00
System Monitoring Compounds						
46) dibromofluoromethane (s)	10.514	113	82855	51.64	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 103.28%			
55) 1,2-dichloroethane-d4 (s)	10.958	65	106074	51.46	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 102.92%			
76) toluene-d8 (s)	13.191	98	271143	49.41	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 98.82%			
100) 4-bromofluorobenzene (s)	16.073	95	115388	49.91	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 99.82%			
Target Compounds						Qvalue
3) tertiary butyl alcohol	8.087	59	52105	98.56	ug/L	97
4) 1,4-dioxane	12.145	88	16452	483.98	ug/L	95
6) chlorodifluoromethane	4.127	51	102050	19.95	ug/L	94
7) dichlorodifluoromethane	4.106	85	107894	19.11	ug/L	98
8) chloromethane	4.525	50	102765	19.71	ug/L	98
9) vinyl chloride	4.792	62	102328	19.50	ug/L	98
10) 1,3-butadiene	4.833	54	53764	20.02	ug/L	98
11) bromomethane	5.503	94	60393	19.98	ug/L	92
12) chloroethane	5.691	64	35278	19.28	ug/L	90
13) trichlorofluoromethane	6.240	101	105033	20.04	ug/L	99
14) vinyl bromide	6.094	106	49235	19.71	ug/L	99
15) ethyl ether	6.701	74	16738	20.16	ug/L #	77
16) 2-chloropropane	6.946	43	73706	20.22	ug/L	97
17) acrolein	6.962	56	8803	19.71	ug/L	83
18) freon 113	7.198	151	43866	19.44	ug/L	95
19) 1,1-dichloroethene	7.177	96	37470	20.47	ug/L	90
20) acetone	7.177	43	59980	75.77	ug/L	93
21) acetonitrile	7.642	41	79870	197.68	ug/L	96
22) iodomethane	7.464	142	64312	19.54	ug/L	94
23) carbon disulfide	7.632	76	119116	20.16	ug/L	94
24) methylene chloride	8.003	84	39073	19.86	ug/L	95
25) methyl acetate	7.726	43	29437	17.95	ug/L	91
26) methyl tert butyl ether	8.421	73	134775	20.15	ug/L	94
27) trans-1,2-dichloroethene	8.458	96	33170	20.19	ug/L	93
28) hexane	8.871	56	23056	19.57	ug/L	94
29) di-isopropyl ether	9.096	45	133196	19.76	ug/L	99
30) 2-butanone	9.813	72	18574	77.59	ug/L	89
31) 1,1-dichloroethane	9.101	63	59570	19.98	ug/L	98
32) chloroprene	9.216	53	53955	20.42	ug/L	91
33) acrylonitrile	8.332	53	14914	19.16	ug/L	89
34) vinyl acetate	9.044	86	5848	18.93	ug/L #	41
35) ethyl tert-butyl ether	9.619	59	135133	19.49	ug/L	97
36) ethyl acetate	9.839	45	6847	18.89	ug/L	96
37) 2,2-dichloropropane	9.917	77	75012	19.50	ug/L	95
38) cis-1,2-dichloroethene	9.886	96	33532	19.12	ug/L	98
39) propionitrile	9.875	54	52426	190.55	ug/L	97
40) methyl acrylate	9.938	85	4852	18.62	ug/L	93
41) methacrylonitrile	10.106	67	13273	17.92	ug/L	94
42) bromochloromethane	10.210	128	18756	19.93	ug/L	92
43) tetrahydrofuran	10.236	42	12405	17.28	ug/L	85
44) chloroform	10.310	83	60107	19.33	ug/L	97
45) tert-Butyl Formate	10.336	59	41338	19.04	ug/L	89
47) 1,1,1-trichloroethane	10.587	97	83152	19.33	ug/L	95
48) cyclohexane	10.712	84	62427	19.06	ug/L	95
50) 1,1-dichloropropene	10.770	75	42820	19.97	ug/L	94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\V3B7128\
Data File : 3B158342.D
Acq On : 16 Feb 2020 3:44 pm
Operator : PrashanS
Sample : IC7128-20
Misc : MS41039,V3B7128,5,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 17 09:26:41 2020
Quant Method : C:\MSDCHEM\1\METHODS\M3B7128.M
Quant Title : SW846 8260C / EPA 624, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Mon Feb 17 09:01:52 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
51) carbon tetrachloride	10.801	117	73266	19.51 ug/L	97
52) tert-amyl alcohol	10.901	73	22226	91.36 ug/L	96
53) isopropyl acetate	10.937	87	8401	19.54 ug/L #	80
56) n-butyl alcohol	11.512	56	87475	911.71 ug/L	94
57) 2,2,4-trimethylpentane	11.136	57	142201	18.05 ug/L	96
58) benzene	11.021	78	115260	19.12 ug/L	95
59) tert-amyl methyl ether	11.120	73	134059	19.90 ug/L	97
60) heptane	11.308	57	21896	17.45 ug/L	87
61) 1,2-dichloroethane	11.057	62	51713	19.65 ug/L	98
62) ethyl acrylate	11.784	55	48232	18.80 ug/L	91
63) trichloroethene	11.795	95	30425	18.53 ug/L	92
64) 2-chloroethyl vinyl ether	12.627	63	107879	97.27 ug/L	100
65) methyl methacrylate	12.062	100	9542	19.75 ug/L	87
66) methylcyclohexane	12.114	83	69622	18.52 ug/L	97
67) 1,2-dichloropropane	12.093	63	32439	19.84 ug/L	94
68) dibromomethane	12.213	93	22047	19.35 ug/L	95
69) bromodichloromethane	12.381	83	48095	18.87 ug/L	94
70) 2-nitropropane	12.569	41	12489	18.80 ug/L	92
71) epichlorohydrin	12.710	57	23856	99.51 ug/L	95
72) cis-1,3-dichloropropene	12.862	75	52705	19.49 ug/L	95
73) 4-methyl-2-pentanone	12.956	58	69036	75.17 ug/L	95
74) isoamyl alcohol	12.961	70	37343	378.15 ug/L	92
77) toluene	13.270	92	73009	18.91 ug/L	92
78) ethyl methacrylate	13.458	69	44524	19.46 ug/L	97
79) trans-1,3-dichloropropene	13.469	75	51369	19.96 ug/L	91
80) 1,1,2-trichloroethane	13.709	83	24590	19.43 ug/L	90
81) tetrachloroethene	13.866	164	29445	19.09 ug/L	93
82) 2-hexanone	13.866	58	69246	77.92 ug/L	92
83) 1,3-dichloropropane	13.897	76	46070	19.55 ug/L	99
84) butyl acetate	13.965	56	25212	18.79 ug/L	95
85) dibromochloromethane	14.169	129	39977	19.08 ug/L	99
86) 1,2-dibromoethane	14.342	107	35725	19.38 ug/L	98
87) n-butyl ether	14.802	57	139302	18.94 ug/L	97
88) chlorobenzene	14.849	112	84926	19.26 ug/L	99
89) 1,1,1,2-tetrachloroethane	14.923	131	43299	18.41 ug/L	94
90) ethylbenzene	14.912	91	147795	19.31 ug/L	99
91) m,p-xylene	15.043	106	118093	39.87 ug/L	90
92) o-xylene	15.472	91	131782	19.30 ug/L	99
93) styrene	15.493	104	97787	20.17 ug/L	97
94) butyl acrylate	15.289	55	79106	19.57 ug/L	96
95) n-amyl acetate	15.508	70	29275	20.86 ug/L	97
96) isopropylbenzene	15.848	105	177261	19.00 ug/L	97
97) bromoform	15.749	173	33390	19.23 ug/L	96
98) cis-1,4-dichloro-2-butene	15.880	88	22157	19.54 ug/L	94
101) 1,1,2,2-tetrachloroethane	16.141	83	53190	18.53 ug/L	94
102) trans-1,4-dichloro-2-b...	16.178	53	15627	17.73 ug/L	98
103) 1,2,3-trichloropropane	16.235	110	17016	19.71 ug/L #	82
104) bromobenzene	16.272	156	46135	18.65 ug/L	96
105) n-propylbenzene	16.293	91	189878	18.30 ug/L	99
106) 2-chlorotoluene	16.439	126	41494	17.82 ug/L	87
107) 4-chlorotoluene	16.560	91	117200	19.42 ug/L	99
108) 1,3,5-trimethylbenzene	16.460	105	155785	18.03 ug/L	96
109) tert-butylbenzene	16.821	119	137162	16.88 ug/L	99
110) 1,2,4-trimethylbenzene	16.873	105	159449	18.76 ug/L	94
111) sec-butylbenzene	17.051	105	210639	17.80 ug/L	98
112) p-isopropyltoluene	17.187	119	184040	18.05 ug/L	98
113) 1,3-dichlorobenzene	17.240	146	93374	19.27 ug/L	97
114) 1,4-dichlorobenzene	17.339	146	94767	19.24 ug/L	95
115) 1,2-dichlorobenzene	17.721	146	102985	18.95 ug/L	97
116) benzyl chloride	17.428	91	123362	18.79 ug/L	98
117) n-butylbenzene	17.616	92	94041	19.46 ug/L	93
118) hexachloroethane	18.035	201	35647	16.52 ug/L	93
119) 1,2-dibromo-3-chloropr...	18.495	157	24608	18.33 ug/L	94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\V3B7128\
Data File : 3B158342.D
Acq On : 16 Feb 2020 3:44 pm
Operator : PrashanS
Sample : IC7128-20
Misc : MS41039,V3B7128,5,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 17 09:26:41 2020
Quant Method : C:\MSDCHEM\1\METHODS\M3B7128.M
Quant Title : SW846 8260C / EPA 624, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Mon Feb 17 09:01:52 2020
Response via : Initial Calibration

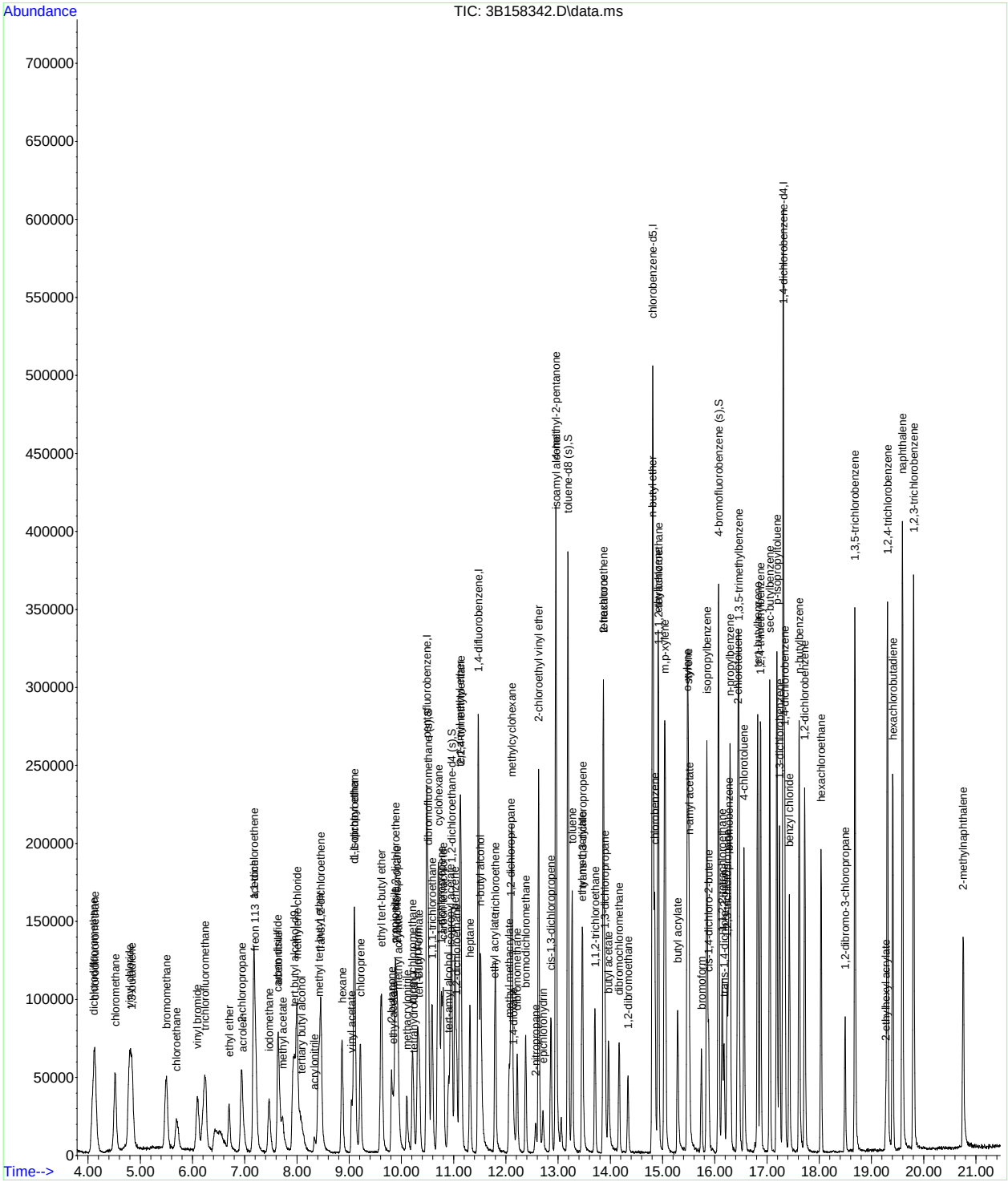
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
120) 1,3,5-trichlorobenzene	18.683	180	116640	18.73	ug/L	98
121) 2-ethylhexyl acrylate	19.274	70	10392	2.83	ug/L	97
122) 1,2,4-trichlorobenzene	19.306	180	119864	17.84	ug/L	94
123) hexachlorobutadiene	19.410	225	53790	18.94	ug/L	98
124) naphthalene	19.593	128	338642	18.44	ug/L	99
125) 1,2,3-trichlorobenzene	19.808	180	131534	17.74	ug/L	95
126) 2-methylnaphthalene	20.754	142	91715	7.54	ug/L	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\V3B7128\
Data File : 3B158342.D
Acq On : 16 Feb 2020 3:44 pm
Operator : PrashanS
Sample : IC7128-20
Misc : MS41039,V3B7128,5,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 17 09:26:41 2020
Quant Method : C:\MSDCHEM\1\METHODS\M3B7128.M
Quant Title : SW846 8260C / EPA 624, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Mon Feb 17 09:01:52 2020
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\V3B7128\
Data File : 3B158343.D
Acq On : 16 Feb 2020 4:12 pm
Operator : PrashanS
Sample : ICC7128-50
Misc : MS41039,V3B7128,5,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 17 09:26:50 2020
Quant Method : C:\MSDCHEM\1\METHODS\M3B7128.M
Quant Title : SW846 8260C / EPA 624, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Mon Feb 17 09:01:52 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	7.951	65	225923	500.00	ug/L	0.00
5) pentafluorobenzene	10.487	168	187325	50.00	ug/L	0.00
54) 1,4-difluorobenzene	11.471	114	257718	50.00	ug/L	0.00
75) chlorobenzene-d5	14.813	117	235117	50.00	ug/L	0.00
99) 1,4-dichlorobenzene-d4	17.308	152	158072	50.00	ug/L	0.00
System Monitoring Compounds						
46) dibromofluoromethane (s)	10.513	113	84668	50.00	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.00%			
55) 1,2-dichloroethane-d4 (s)	10.963	65	106890	50.00	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 100.00%			
76) toluene-d8 (s)	13.186	98	282867	50.00	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.00%			
100) 4-bromofluorobenzene (s)	16.068	95	112169	50.00	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.00%			
Target Compounds						Qvalue
3) tertiary butyl alcohol	8.097	59	136656	250.00	ug/L	100
4) 1,4-dioxane	12.150	88	43934	1250.00	ug/L	100
6) chlorodifluoromethane	4.133	51	269992	50.00	ug/L	100
7) dichlorodifluoromethane	4.096	85	297883	50.00	ug/L	100
8) chloromethane	4.520	50	275087	50.00	ug/L	100
9) vinyl chloride	4.786	62	276898	50.00	ug/L	100
10) 1,3-butadiene	4.833	54	141699	50.00	ug/L	100
11) bromomethane	5.498	94	159530	50.00	ug/L	100
12) chloroethane	5.691	64	96547	50.00	ug/L	100
13) trichlorofluoromethane	6.240	101	276630	50.00	ug/L	100
14) vinyl bromide	6.094	106	131825	50.00	ug/L	100
15) ethyl ether	6.701	74	43814	50.00	ug/L	100
16) 2-chloropropane	6.936	43	192325	50.00	ug/L	100
17) acrolein	6.952	56	23569	50.00	ug/L	100
18) freon 113	7.192	151	119068	50.00	ug/L	100
19) 1,1-dichloroethene	7.177	96	96616	50.00	ug/L	100
20) acetone	7.166	43	167094	200.00	ug/L	100
21) acetonitrile	7.637	41	211927	496.98	ug/L	100
22) iodomethane	7.464	142	173658	50.00	ug/L	100
23) carbon disulfide	7.637	76	311845	50.00	ug/L	100
24) methylene chloride	7.998	84	103849	50.00	ug/L	100
25) methyl acetate	7.720	43	86540	50.00	ug/L	100
26) methyl tert butyl ether	8.421	73	353055	50.00	ug/L	100
27) trans-1,2-dichloroethene	8.458	96	86707	50.00	ug/L	100
28) hexane	8.861	56	62173	50.00	ug/L	100
29) di-isopropyl ether	9.101	45	355780	50.00	ug/L	100
30) 2-butanone	9.807	72	51167	202.52	ug/L	100
31) 1,1-dichloroethane	9.101	63	157028	49.90	ug/L	100
32) chloroprene	9.211	53	139444	50.00	ug/L	100
33) acrylonitrile	8.327	53	41085	50.00	ug/L	100
34) vinyl acetate	9.033	86	16307	50.00	ug/L	100
35) ethyl tert-butyl ether	9.614	59	365854	50.00	ug/L	100
36) ethyl acetate	9.844	45	19131	50.00	ug/L	100
37) 2,2-dichloropropane	9.922	77	203008	50.00	ug/L	100
38) cis-1,2-dichloroethene	9.886	96	92574	50.00	ug/L	100
39) propionitrile	9.875	54	145189	500.00	ug/L	100
40) methyl acrylate	9.933	85	13748	50.00	ug/L	100
41) methacrylonitrile	10.100	67	39085	50.00	ug/L	100
42) bromochloromethane	10.210	128	49654	50.00	ug/L	100
43) tetrahydrofuran	10.236	42	37882	50.00	ug/L	100
44) chloroform	10.309	83	164133	50.00	ug/L	100
45) tert-Butyl Formate	10.341	59	114557	50.00	ug/L	100
47) 1,1,1-trichloroethane	10.592	97	226962	50.00	ug/L	100
48) cyclohexane	10.712	84	171314	49.54	ug/L	100
50) 1,1-dichloropropene	10.764	75	113143	50.00	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\V3B7128\
Data File : 3B158343.D
Acq On : 16 Feb 2020 4:12 pm
Operator : PrashanS
Sample : ICC7128-50
Misc : MS41039,V3B7128,5,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 17 09:26:50 2020
Quant Method : C:\MSDCHEM\1\METHODS\M3B7128.M
Quant Title : SW846 8260C / EPA 624, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Mon Feb 17 09:01:52 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51) carbon tetrachloride	10.801	117	198135	50.00	ug/L	100
52) tert-amyl alcohol	10.900	73	63803	248.48	ug/L	100
53) isopropyl acetate	10.937	87	22689	50.00	ug/L	100
56) n-butyl alcohol	11.512	56	248783	2500.00	ug/L	100
57) 2,2,4-trimethylpentane	11.141	57	408516	50.00	ug/L	100
58) benzene	11.026	78	312571	50.00	ug/L	100
59) tert-amyl methyl ether	11.120	73	349310	50.00	ug/L	100
60) heptane	11.308	57	65056	50.00	ug/L	100
61) 1,2-dichloroethane	11.057	62	136471	50.00	ug/L	100
62) ethyl acrylate	11.784	55	133036	50.00	ug/L	100
63) trichloroethene	11.800	95	85132	50.00	ug/L	100
64) 2-chloroethyl vinyl ether	12.626	63	287561	250.00	ug/L	100
65) methyl methacrylate	12.062	100	25054	50.00	ug/L	100
66) methylcyclohexane	12.114	83	194974	50.00	ug/L	100
67) 1,2-dichloropropane	12.098	63	84771	50.00	ug/L	100
68) dibromomethane	12.219	93	59096	50.00	ug/L	100
69) bromodichloromethane	12.375	83	132178	50.00	ug/L	100
70) 2-nitropropane	12.564	41	34448	50.00	ug/L	100
71) epichlorohydrin	12.705	57	62160	250.00	ug/L	100
72) cis-1,3-dichloropropene	12.862	75	140202	50.00	ug/L	100
73) 4-methyl-2-pentanone	12.956	58	190511	200.00	ug/L	100
74) isoamyl alcohol	12.961	70	102424	1000.00	ug/L	100
77) toluene	13.270	92	199032	50.00	ug/L	100
78) ethyl methacrylate	13.453	69	117948	50.00	ug/L	100
79) trans-1,3-dichloropropene	13.469	75	132683	50.00	ug/L	100
80) 1,1,2-trichloroethane	13.704	83	65246	50.00	ug/L	100
81) tetrachloroethene	13.866	164	79497	50.00	ug/L	100
82) 2-hexanone	13.861	58	183222	200.00	ug/L	100
83) 1,3-dichloropropane	13.897	76	121490	50.00	ug/L	100
84) butyl acetate	13.960	56	69164	50.00	ug/L	100
85) dibromochloromethane	14.169	129	107992	50.00	ug/L	100
86) 1,2-dibromoethane	14.337	107	95004	50.00	ug/L	100
87) n-butyl ether	14.802	57	379155	50.00	ug/L	100
88) chlorobenzene	14.849	112	227249	50.00	ug/L	100
89) 1,1,1,2-tetrachloroethane	14.917	131	121245	50.00	ug/L	100
90) ethylbenzene	14.912	91	394569	50.00	ug/L	100
91) m,p-xylene	15.043	106	305324	100.00	ug/L	100
92) o-xylene	15.472	91	351989	50.00	ug/L	100
93) styrene	15.487	104	249898	50.00	ug/L	100
94) butyl acrylate	15.283	55	208352	50.00	ug/L	100
95) n-amyl acetate	15.503	70	72345	50.00	ug/L	100
96) isopropylbenzene	15.848	105	480776	50.00	ug/L	100
97) bromoform	15.744	173	89493	50.00	ug/L	100
98) cis-1,4-dichloro-2-butene	15.880	88	58441	50.00	ug/L	100
101) 1,1,2,2-tetrachloroethane	16.141	83	139281	50.00	ug/L	100
102) trans-1,4-dichloro-2-b...	16.173	53	42758	50.00	ug/L	100
103) 1,2,3-trichloropropane	16.235	110	41887	50.00	ug/L	100
104) bromobenzene	16.267	156	120100	50.03	ug/L	100
105) n-propylbenzene	16.293	91	503361	50.00	ug/L	100
106) 2-chlorotoluene	16.439	126	112983	50.00	ug/L	100
107) 4-chlorotoluene	16.560	91	292849	50.00	ug/L	100
108) 1,3,5-trimethylbenzene	16.455	105	419215	50.00	ug/L	100
109) tert-butylbenzene	16.821	119	394285	50.00	ug/L	100
110) 1,2,4-trimethylbenzene	16.873	105	412447	50.00	ug/L	100
111) sec-butylbenzene	17.051	105	574074	50.00	ug/L	100
112) p-isopropyltoluene	17.187	119	494752	50.00	ug/L	100
113) 1,3-dichlorobenzene	17.240	146	235038	50.00	ug/L	100
114) 1,4-dichlorobenzene	17.339	146	239005	50.00	ug/L	100
115) 1,2-dichlorobenzene	17.721	146	263644	50.00	ug/L	100
116) benzyl chloride	17.423	91	318591	50.00	ug/L	100
117) n-butylbenzene	17.611	92	234469	50.00	ug/L	100
118) hexachloroethane	18.035	201	104708	50.00	ug/L	100
119) 1,2-dibromo-3-chloropr...	18.490	157	65127	50.00	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\V3B7128\
Data File : 3B158343.D
Acq On : 16 Feb 2020 4:12 pm
Operator : PrashanS
Sample : ICC7128-50
Misc : MS41039,V3B7128,5,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 17 09:26:50 2020
Quant Method : C:\MSDCHEM\1\METHODS\M3B7128.M
Quant Title : SW846 8260C / EPA 624, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Mon Feb 17 09:01:52 2020
Response via : Initial Calibration

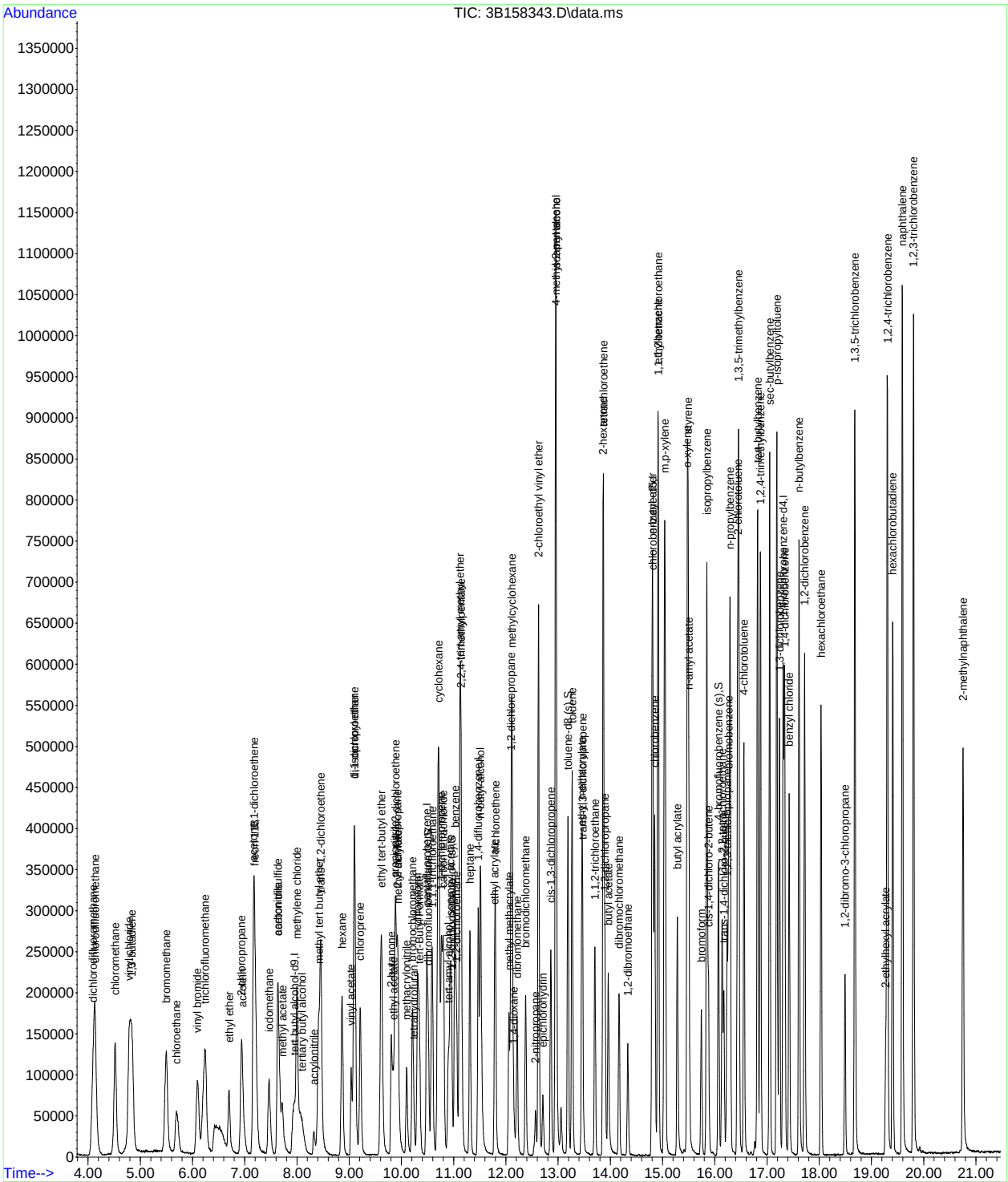
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
120) 1,3,5-trichlorobenzene	18.683	180	302164	50.00	ug/L	100
121) 2-ethylhexyl acrylate	19.269	70	35658	10.00	ug/L	100
122) 1,2,4-trichlorobenzene	19.305	180	325815	49.99	ug/L	100
123) hexachlorobutadiene	19.405	225	137765	50.00	ug/L	100
124) naphthalene	19.593	128	891072	50.00	ug/L	100
125) 1,2,3-trichlorobenzene	19.802	180	359676	50.00	ug/L	100
126) 2-methylnaphthalene	20.754	142	295042	25.00	ug/L	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\V3B7128\
Data File : 3B158343.D
Acq On : 16 Feb 2020 4:12 pm
Operator : PrashanS
Sample : ICC7128-50
Misc : MS41039,V3B7128,5,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 17 09:26:50 2020
Quant Method : C:\MSDCHEM\1\METHODS\M3B7128.M
Quant Title : SW846 8260C / EPA 624, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Mon Feb 17 09:01:52 2020
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\V3B7128\
Data File : 3B158344.D
Acq On : 16 Feb 2020 4:41 pm
Operator : PrashanS
Sample : IC7128-100
Misc : MS41039,V3B7128,5,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 17 09:40:20 2020
Quant Method : C:\MSDCHEM\1\METHODS\M3B7128.M
Quant Title : SW846 8260C / EPA 624, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Mon Feb 17 09:39:42 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	7.951	65	246683	500.00	ug/L	0.00
5) pentafluorobenzene	10.487	168	202307	50.00	ug/L	0.00
54) 1,4-difluorobenzene	11.476	114	287955	50.00	ug/L	0.00
75) chlorobenzene-d5	14.813	117	280294	50.00	ug/L	0.00
99) 1,4-dichlorobenzene-d4	17.313	152	186163	50.00	ug/L	0.00
System Monitoring Compounds						
46) dibromofluoromethane (s)	10.513	113	97330	52.17	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 104.34%			
55) 1,2-dichloroethane-d4 (s)	10.963	65	117836	48.42	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 96.84%			
76) toluene-d8 (s)	13.186	98	330142	49.41	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 98.82%			
100) 4-bromofluorobenzene (s)	16.068	95	135496	51.19	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 102.38%			
Target Compounds						Qvalue
3) tertiary butyl alcohol	8.081	59	299788	519.96	ug/L	99
4) 1,4-dioxane	12.145	88	100133	2750.65	ug/L	93
6) chlorodifluoromethane	4.138	51	543522	96.70	ug/L	97
7) dichlorodifluoromethane	4.112	85	581187	96.14	ug/L	97
8) chloromethane	4.530	50	560684	94.66	ug/L	99
9) vinyl chloride	4.797	62	558369	97.68	ug/L	98
10) 1,3-butadiene	4.849	54	299058	99.68	ug/L	96
11) bromomethane	5.498	94	335533	97.50	ug/L	97
12) chloroethane	5.702	64	201529	97.71	ug/L	93
13) trichlorofluoromethane	6.245	101	566612	99.33	ug/L	98
14) vinyl bromide	6.104	106	283415	100.25	ug/L	93
15) ethyl ether	6.700	74	93269	106.04	ug/L	90
16) 2-chloropropane	6.941	43	426431	100.82	ug/L	95
17) acrolein	6.946	56	54186	106.29	ug/L	92
18) freon 113	7.192	151	245171	103.12	ug/L	97
19) 1,1-dichloroethene	7.182	96	213635	100.83	ug/L	97
20) acetone	7.176	43	369883	446.22	ug/L	100
21) acetonitrile	7.637	41	462621	1089.70	ug/L	98
22) iodomethane	7.469	142	397838	107.04	ug/L	98
23) carbon disulfide	7.642	76	706827	102.44	ug/L	98
24) methylene chloride	8.003	84	236833	108.23	ug/L	98
25) methyl acetate	7.720	43	191038	112.70	ug/L	97
26) methyl tert butyl ether	8.426	73	753125	100.02	ug/L	97
27) trans-1,2-dichloroethene	8.458	96	191304	103.82	ug/L	96
28) hexane	8.866	56	133231	103.49	ug/L	97
29) di-isopropyl ether	9.101	45	763227	102.85	ug/L	97
30) 2-butanone	9.807	72	112900	461.86	ug/L	96
31) 1,1-dichloroethane	9.101	63	341776	101.74	ug/L	99
32) chloroprene	9.216	53	306238	107.74	ug/L	95
33) acrylonitrile	8.317	53	95385	117.08	ug/L	97
34) vinyl acetate	9.038	86	36009	111.43	ug/L #	95
35) ethyl tert-butyl ether	9.614	59	787794	105.09	ug/L	99
36) ethyl acetate	9.844	45	43885	101.34	ug/L #	83
37) 2,2-dichloropropane	9.922	77	419246	96.26	ug/L	97
38) cis-1,2-dichloroethene	9.886	96	203782	106.43	ug/L	99
39) propionitrile	9.875	54	316952	1108.15	ug/L	98
40) methyl acrylate	9.933	85	32497	140.59	ug/L #	90
41) methacrylonitrile	10.100	67	84898	108.95	ug/L	95
42) bromochloromethane	10.210	128	111268	105.81	ug/L	91
43) tetrahydrofuran	10.231	42	81453	107.13	ug/L	97
44) chloroform	10.309	83	359603	103.84	ug/L	99
45) tert-Butyl Formate	10.341	59	244965	108.36	ug/L	97
47) 1,1,1-trichloroethane	10.587	97	477491	102.59	ug/L	97
48) cyclohexane	10.712	84	351300	100.09	ug/L	95
50) 1,1-dichloropropene	10.770	75	235277	104.07	ug/L	95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\V3B7128\
Data File : 3B158344.D
Acq On : 16 Feb 2020 4:41 pm
Operator : PrashanS
Sample : IC7128-100
Misc : MS41039,V3B7128,5,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 17 09:40:20 2020
Quant Method : C:\MSDCHEM\1\METHODS\M3B7128.M
Quant Title : SW846 8260C / EPA 624, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Mon Feb 17 09:39:42 2020
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
51)	carbon tetrachloride	10.801	117	418542	102.37	ug/L		98
52)	tert-amyl alcohol	10.906	73	140168	560.08	ug/L		97
53)	isopropyl acetate	10.937	87	48968	134.88	ug/L	#	91
56)	n-butyl alcohol	11.512	56	559772	5879.54	ug/L		98
57)	2,2,4-trimethylpentane	11.141	57	890426	110.98	ug/L		99
58)	benzene	11.026	78	687277	100.09	ug/L		98
59)	tert-amyl methyl ether	11.120	73	757700	98.54	ug/L		98
60)	heptane	11.308	57	134706	102.91	ug/L		90
61)	1,2-dichloroethane	11.057	62	294942	92.65	ug/L		98
62)	ethyl acrylate	11.784	55	296352	111.01	ug/L		99
63)	trichloroethene	11.800	95	184511	107.29	ug/L		98
64)	2-chloroethyl vinyl ether	12.626	63	647552	556.95	ug/L		98
65)	methyl methacrylate	12.062	100	57842	118.52	ug/L	#	86
66)	methylcyclohexane	12.114	83	409773	97.96	ug/L		97
67)	1,2-dichloropropane	12.098	63	188415	102.83	ug/L		96
68)	dibromomethane	12.213	93	132277	104.10	ug/L		96
69)	bromodichloromethane	12.381	83	297396	103.71	ug/L		99
70)	2-nitropropane	12.569	41	75882	103.46	ug/L		99
71)	epichlorohydrin	12.710	57	149201	538.40	ug/L		96
72)	cis-1,3-dichloropropene	12.862	75	328200	111.20	ug/L		94
73)	4-methyl-2-pentanone	12.956	58	430397	435.25	ug/L		99
74)	isoamyl alcohol	12.961	70	233798	2138.86	ug/L		98
77)	toluene	13.270	92	457053	101.18	ug/L		99
78)	ethyl methacrylate	13.453	69	274739	115.07	ug/L		99
79)	trans-1,3-dichloropropene	13.463	75	309558	111.35	ug/L		93
80)	1,1,2-trichloroethane	13.704	83	152584	104.74	ug/L		95
81)	tetrachloroethene	13.866	164	186170	101.57	ug/L		96
82)	2-hexanone	13.861	58	403999	446.07	ug/L		99
83)	1,3-dichloropropane	13.892	76	283821	99.84	ug/L		90
84)	butyl acetate	13.960	56	156527	113.50	ug/L		96
85)	dibromochloromethane	14.169	129	257632	104.06	ug/L		96
86)	1,2-dibromoethane	14.331	107	231482	110.10	ug/L		99
87)	n-butyl ether	14.802	57	863958	105.34	ug/L		99
88)	chlorobenzene	14.849	112	529942	100.11	ug/L		98
89)	1,1,1,2-tetrachloroethane	14.917	131	272298	104.62	ug/L		97
90)	ethylbenzene	14.912	91	912581	99.81	ug/L		98
91)	m,p-xylene	15.043	106	718293	207.31	ug/L		98
92)	o-xylene	15.472	91	828787	102.81	ug/L		100
93)	styrene	15.487	104	597992	107.07	ug/L		98
94)	butyl acrylate	15.278	55	466148	105.28	ug/L		97
95)	n-amyl acetate	15.503	70	165469	107.02	ug/L		96
96)	isopropylbenzene	15.848	105	1122227	105.70	ug/L		99
97)	bromoform	15.744	173	209938	103.47	ug/L		100
98)	cis-1,4-dichloro-2-butene	15.880	88	134195	111.33	ug/L		96
101)	1,1,2,2-tetrachloroethane	16.141	83	332472	105.93	ug/L		100
102)	trans-1,4-dichloro-2-b...	16.172	53	95932	112.46	ug/L		97
103)	1,2,3-trichloropropane	16.235	110	97478	106.69	ug/L		99
104)	bromobenzene	16.267	156	285071	105.41	ug/L		98
105)	n-propylbenzene	16.293	91	1154528	106.78	ug/L		99
106)	2-chlorotoluene	16.439	126	270738	109.92	ug/L		93
107)	4-chlorotoluene	16.560	91	683391	103.31	ug/L		98
108)	1,3,5-trimethylbenzene	16.455	105	974168	110.82	ug/L		98
109)	tert-butylbenzene	16.821	119	900453	112.87	ug/L		97
110)	1,2,4-trimethylbenzene	16.873	105	964619	107.13	ug/L		99
111)	sec-butylbenzene	17.051	105	1327816	111.25	ug/L		99
112)	p-isopropyltoluene	17.187	119	1162779	110.64	ug/L		98
113)	1,3-dichlorobenzene	17.239	146	546833	105.72	ug/L		99
114)	1,4-dichlorobenzene	17.339	146	565036	102.09	ug/L		99
115)	1,2-dichlorobenzene	17.721	146	611869	104.26	ug/L		99
116)	benzyl chloride	17.422	91	739533	108.35	ug/L		99
117)	n-butylbenzene	17.611	92	545593	111.17	ug/L		99
118)	hexachloroethane	18.034	201	242318	122.13	ug/L		99
119)	1,2-dibromo-3-chloropr...	18.489	157	145948	108.19	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\V3B7128\
Data File : 3B158344.D
Acq On : 16 Feb 2020 4:41 pm
Operator : PrashanS
Sample : IC7128-100
Misc : MS41039,V3B7128,5,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 17 09:40:20 2020
Quant Method : C:\MSDCHEM\1\METHODS\M3B7128.M
Quant Title : SW846 8260C / EPA 624, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Mon Feb 17 09:39:42 2020
Response via : Initial Calibration

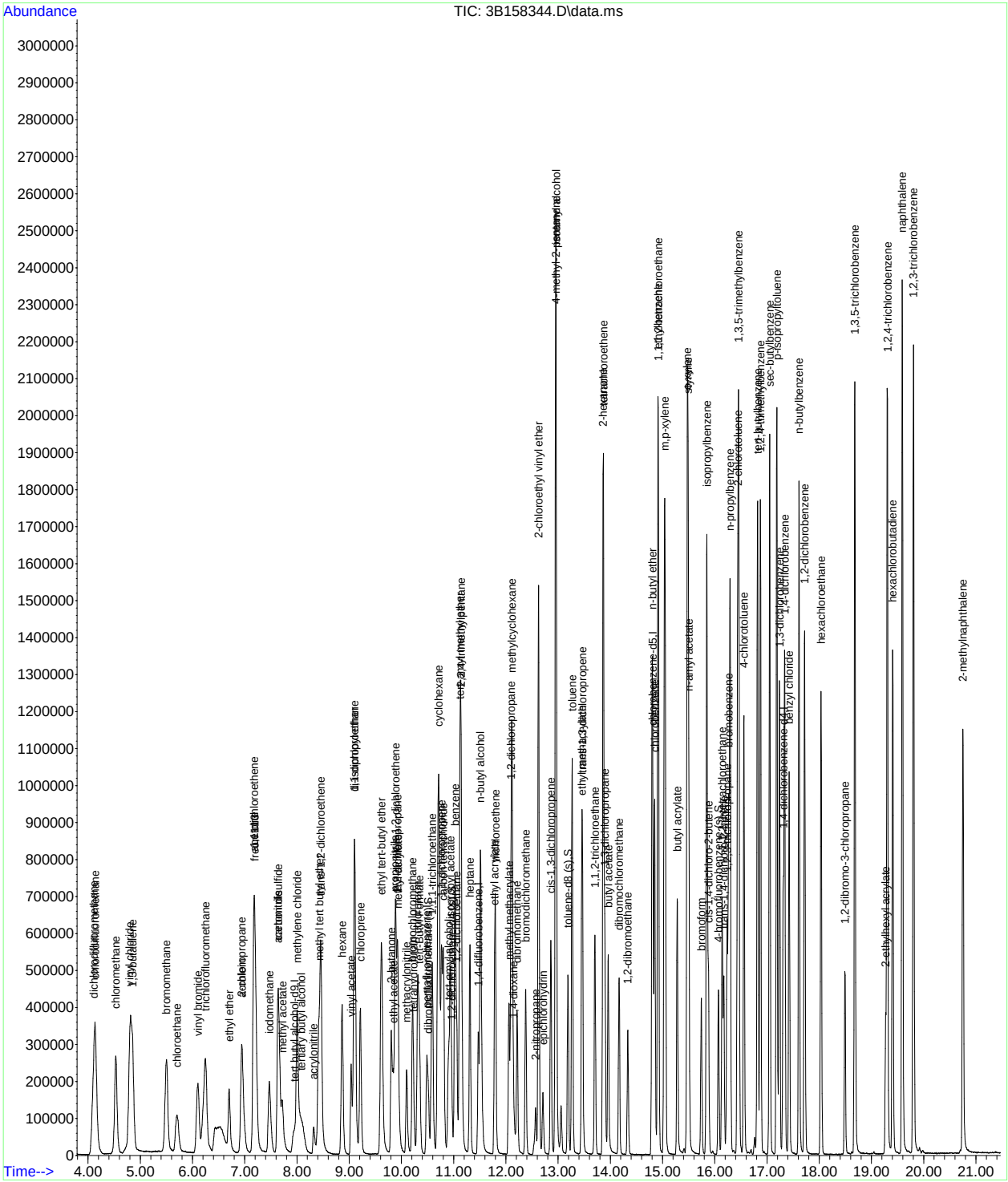
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
120) 1,3,5-trichlorobenzene	18.683	180	680672	103.50	ug/L	99
121) 2-ethylhexyl acrylate	19.269	70	89393	24.47	ug/L	94
122) 1,2,4-trichlorobenzene	19.305	180	703254	108.18	ug/L	99
123) hexachlorobutadiene	19.405	225	301690	98.07	ug/L	97
124) naphthalene	19.588	128	1928606	109.30	ug/L	99
125) 1,2,3-trichlorobenzene	19.802	180	768994	108.83	ug/L	100
126) 2-methylnaphthalene	20.749	142	656582	67.78	ug/L	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\V3B7128\
Data File : 3B158344.D
Acq On : 16 Feb 2020 4:41 pm
Operator : PrashanS
Sample : IC7128-100
Misc : MS41039,V3B7128,5,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 17 09:40:20 2020
Quant Method : C:\MSDCHEM\1\METHODS\M3B7128.M
Quant Title : SW846 8260C / EPA 624, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Mon Feb 17 09:39:42 2020
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\V3B7128\
Data File : 3B158345.D
Acq On : 16 Feb 2020 5:09 pm
Operator : PrashanS
Sample : IC7128-200
Misc : MS41039,V3B7128,5,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 17 09:27:09 2020
Quant Method : C:\MSDCHEM\1\METHODS\M3B7128.M
Quant Title : SW846 8260C / EPA 624, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Mon Feb 17 09:01:52 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	7.950	65	265274	500.00	ug/L		0.00
5) pentafluorobenzene	10.482	168	230910	50.00	ug/L		0.00
54) 1,4-difluorobenzene	11.470	114	318980	50.00	ug/L		0.00
75) chlorobenzene-d5	14.813	117	323580	50.00	ug/L		0.00
99) 1,4-dichlorobenzene-d4	17.313	152	216966	50.00	ug/L		0.00
System Monitoring Compounds							
46) dibromofluoromethane (s)	10.518	113	107763	51.63	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 103.26%				
55) 1,2-dichloroethane-d4 (s)	10.958	65	127111	48.04	ug/L		0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 96.08%				
76) toluene-d8 (s)	13.186	98	384976	49.45	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 98.90%				
100) 4-bromofluorobenzene (s)	16.068	95	158755	51.56	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 103.12%				
Target Compounds							Qvalue
3) tertiary butyl alcohol	8.102	59	613579	955.98	ug/L		96
4) 1,4-dioxane	12.145	88	202167	4898.75	ug/L		100
6) chlorodifluoromethane	4.132	51	1141712	171.53	ug/L		100
7) dichlorodifluoromethane	4.106	85	1239984	168.85	ug/L		97
8) chloromethane	4.525	50	1212660	178.81	ug/L		100
9) vinyl chloride	4.791	62	1209731	177.21	ug/L		99
10) 1,3-butadiene	4.844	54	615142	176.09	ug/L		96
11) bromomethane	5.492	94	691534	175.83	ug/L		96
12) chloroethane	5.691	64	414328	174.07	ug/L		93
13) trichlorofluoromethane	6.240	101	1189915	174.48	ug/L		99
14) vinyl bromide	6.099	106	587636	180.81	ug/L		97
15) ethyl ether	6.700	74	201270	186.33	ug/L		93
16) 2-chloropropane	6.941	43	883972	186.43	ug/L		97
17) acrolein	6.946	56	117096	201.52	ug/L		98
18) freon 113	7.197	151	520848	177.43	ug/L		98
19) 1,1-dichloroethene	7.176	96	455481	191.22	ug/L		97
20) acetone	7.171	43	738594	717.18	ug/L		100
21) acetonitrile	7.637	41	923863	1757.56	ug/L		99
22) iodomethane	7.464	142	854293	199.54	ug/L		97
23) carbon disulfide	7.637	76	1501375	195.29	ug/L		97
24) methylene chloride	8.003	84	513839	200.70	ug/L		95
25) methyl acetate	7.720	43	405653	190.13	ug/L		96
26) methyl tert butyl ether	8.426	73	1525417	175.25	ug/L		97
27) trans-1,2-dichloroethene	8.458	96	395459	185.00	ug/L		98
28) hexane	8.860	56	286845	187.14	ug/L		96
29) di-isopropyl ether	9.101	45	1572716	179.30	ug/L		96
30) 2-butanone	9.807	72	237552	762.77	ug/L		92
31) 1,1-dichloroethane	9.101	63	714668	184.24	ug/L		97
32) chloroprene	9.211	53	642265	186.83	ug/L		97
33) acrylonitrile	8.317	53	200153	197.61	ug/L		97
34) vinyl acetate	9.038	86	77415	192.56	ug/L	#	82
35) ethyl tert-butyl ether	9.619	59	1628230	180.52	ug/L		99
36) ethyl acetate	9.839	45	81344	172.47	ug/L	#	91
37) 2,2-dichloropropane	9.922	77	872210	174.27	ug/L		98
38) cis-1,2-dichloroethene	9.886	96	437844	191.85	ug/L		97
39) propionitrile	9.875	54	671102	1874.90	ug/L		96
40) methyl acrylate	9.927	85	67639	199.56	ug/L		99
41) methacrylonitrile	10.100	67	185355	192.36	ug/L		95
42) bromochloromethane	10.210	128	243647	199.04	ug/L		99
43) tetrahydrofuran	10.231	42	173569	185.85	ug/L		98
44) chloroform	10.309	83	755700	186.76	ug/L		97
45) tert-Butyl Formate	10.341	59	493116	174.60	ug/L		99
47) 1,1,1-trichloroethane	10.586	97	1003113	179.27	ug/L		98
48) cyclohexane	10.712	84	768855	180.39	ug/L		96
50) 1,1-dichloropropene	10.764	75	505547	181.24	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\V3B7128\
Data File : 3B158345.D
Acq On : 16 Feb 2020 5:09 pm
Operator : PrashanS
Sample : IC7128-200
Misc : MS41039,V3B7128,5,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 17 09:27:09 2020
Quant Method : C:\MSDCHEM\1\METHODS\M3B7128.M
Quant Title : SW846 8260C / EPA 624, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Mon Feb 17 09:01:52 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
51) carbon tetrachloride	10.801	117	880147	180.18	ug/L		99
52) tert-amyl alcohol	10.906	73	291931	922.33	ug/L		98
53) isopropyl acetate	10.937	87	106659	190.68	ug/L	#	80
56) n-butyl alcohol	11.512	56	1120538	9097.61	ug/L		98
57) 2,2,4-trimethylpentane	11.141	57	1950029	192.83	ug/L		99
58) benzene	11.026	78	1449528	187.34	ug/L		97
59) tert-amyl methyl ether	11.125	73	1549326	179.18	ug/L		99
60) heptane	11.308	57	291201	180.82	ug/L		91
61) 1,2-dichloroethane	11.057	62	598359	177.12	ug/L		98
62) ethyl acrylate	11.779	55	643884	195.52	ug/L		97
63) trichloroethene	11.795	95	387568	183.91	ug/L		96
64) 2-chloroethyl vinyl ether	12.626	63	1396143	980.67	ug/L		98
65) methyl methacrylate	12.056	100	128021	206.42	ug/L	#	88
66) methylcyclohexane	12.119	83	899691	186.41	ug/L		98
67) 1,2-dichloropropane	12.098	63	390425	186.06	ug/L		98
68) dibromomethane	12.213	93	273025	186.64	ug/L		95
69) bromodichloromethane	12.380	83	615595	188.14	ug/L		96
70) 2-nitropropane	12.569	41	155764	182.66	ug/L		96
71) epichlorohydrin	12.710	57	312281	1014.74	ug/L		95
72) cis-1,3-dichloropropene	12.862	75	689910	198.79	ug/L		92
73) 4-methyl-2-pentanone	12.956	58	888126	753.30	ug/L		91
74) isoamyl alcohol	12.961	70	473208	3732.77	ug/L		95
77) toluene	13.270	92	981319	179.13	ug/L		94
78) ethyl methacrylate	13.453	69	585609	180.38	ug/L		97
79) trans-1,3-dichloropropene	13.463	75	655108	179.38	ug/L		97
80) 1,1,2-trichloroethane	13.704	83	325672	181.34	ug/L		96
81) tetrachloroethene	13.866	164	389098	177.82	ug/L		99
82) 2-hexanone	13.861	58	865201	686.23	ug/L		94
83) 1,3-dichloropropane	13.897	76	606816	181.46	ug/L		96
84) butyl acetate	13.955	56	336838	176.93	ug/L		96
85) dibromochloromethane	14.169	129	548162	184.41	ug/L		96
86) 1,2-dibromoethane	14.337	107	500596	191.43	ug/L		100
87) n-butyl ether	14.797	57	1890590	181.16	ug/L		99
88) chlorobenzene	14.849	112	1183063	189.14	ug/L		99
89) 1,1,1,2-tetrachloroethane	14.917	131	578453	173.33	ug/L		99
90) ethylbenzene	14.912	91	1968768	181.28	ug/L		98
91) m,p-xylene	15.043	106	1573849	374.55	ug/L		96
92) o-xylene	15.472	91	1787887	184.54	ug/L		99
93) styrene	15.487	104	1302707	189.39	ug/L		97
94) butyl acrylate	15.278	55	1026085	178.92	ug/L		100
95) n-amyl acetate	15.503	70	349960	175.74	ug/L		98
96) isopropylbenzene	15.848	105	2431564	183.74	ug/L		98
97) bromoform	15.743	173	460299	186.86	ug/L		98
98) cis-1,4-dichloro-2-butene	15.879	88	282331	175.51	ug/L		95
101) 1,1,2,2-tetrachloroethane	16.141	83	710666	185.87	ug/L		98
102) trans-1,4-dichloro-2-b...	16.172	53	203184	173.10	ug/L		92
103) 1,2,3-trichloropropane	16.235	110	209040	181.80	ug/L		99
104) bromobenzene	16.267	156	613836	186.29	ug/L		97
105) n-propylbenzene	16.293	91	2507051	181.43	ug/L		99
106) 2-chlorotoluene	16.439	126	595148	191.89	ug/L		95
107) 4-chlorotoluene	16.554	91	1499080	186.47	ug/L		99
108) 1,3,5-trimethylbenzene	16.460	105	2137591	185.75	ug/L		97
109) tert-butylbenzene	16.821	119	1992276	184.07	ug/L		99
110) 1,2,4-trimethylbenzene	16.873	105	2114121	186.72	ug/L		98
111) sec-butylbenzene	17.051	105	3000125	190.37	ug/L		100
112) p-isopropyltoluene	17.187	119	2610338	192.20	ug/L		98
113) 1,3-dichlorobenzene	17.239	146	1187748	184.09	ug/L		99
114) 1,4-dichlorobenzene	17.339	146	1234808	188.20	ug/L		98
115) 1,2-dichlorobenzene	17.721	146	1350631	186.62	ug/L		99
116) benzyl chloride	17.422	91	1619420	185.17	ug/L		99
117) n-butylbenzene	17.611	92	1213991	188.61	ug/L		99
118) hexachloroethane	18.034	201	551991	192.04	ug/L		98
119) 1,2-dibromo-3-chloropr...	18.495	157	323422	180.90	ug/L		93

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\V3B7128\
Data File : 3B158345.D
Acq On : 16 Feb 2020 5:09 pm
Operator : PrashanS
Sample : IC7128-200
Misc : MS41039,V3B7128,5,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 17 09:27:09 2020
Quant Method : C:\MSDCHEM\1\METHODS\M3B7128.M
Quant Title : SW846 8260C / EPA 624, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Mon Feb 17 09:01:52 2020
Response via : Initial Calibration

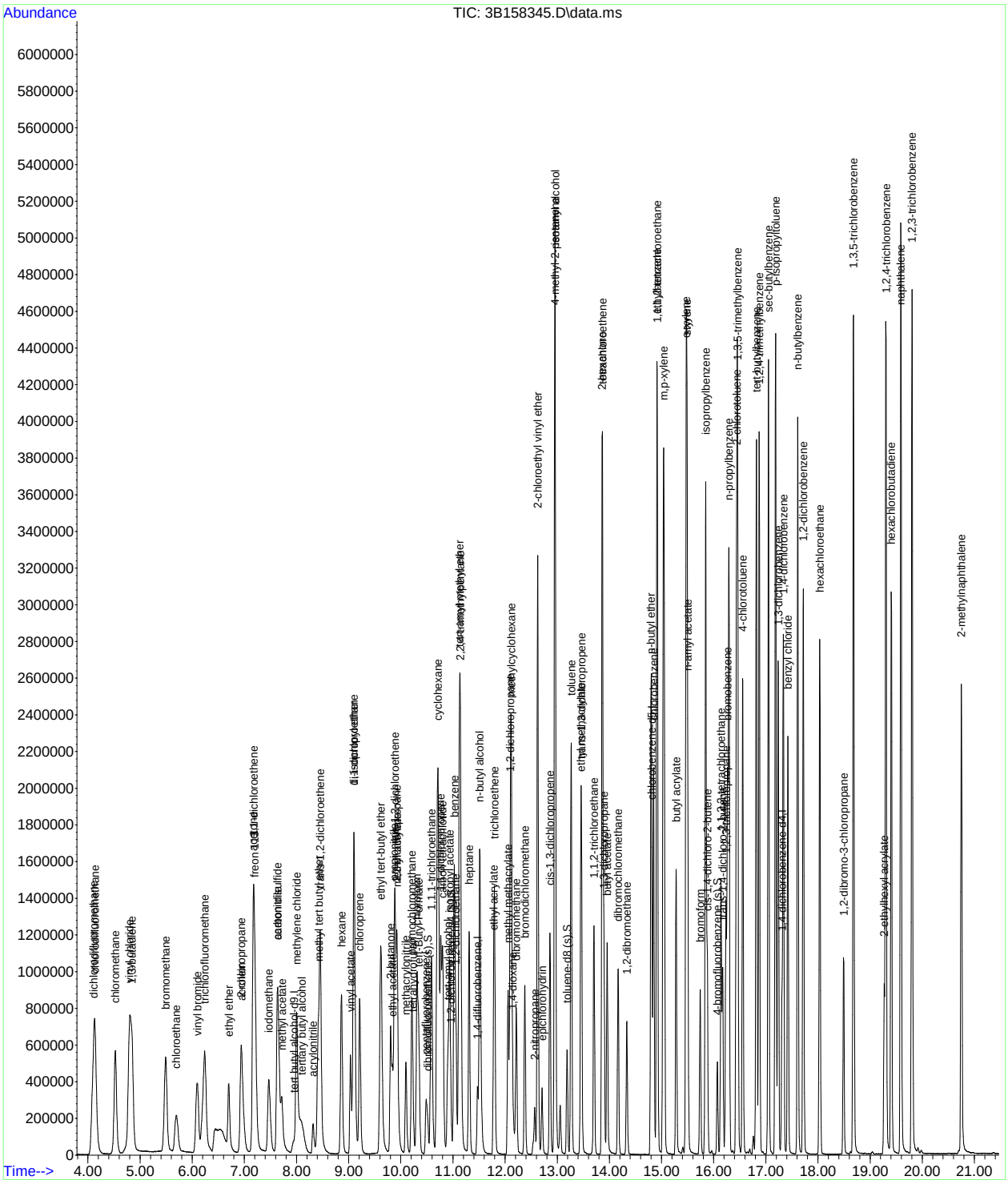
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
120) 1,3,5-trichlorobenzene	18.683	180	1540172	185.68	ug/L	98
121) 2-ethylhexyl acrylate	19.269	70	217678	44.48	ug/L	96
122) 1,2,4-trichlorobenzene	19.305	180	1556845	174.03	ug/L	100
123) hexachlorobutadiene	19.405	225	695414	183.88	ug/L	98
124) naphthalene	19.588	128	4203776	171.85	ug/L	99
125) 1,2,3-trichlorobenzene	19.802	180	1665222	168.65	ug/L	97
126) 2-methylnaphthalene	20.749	142	1428342	88.18	ug/L	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\V3B7128\
Data File : 3B158345.D
Acq On : 16 Feb 2020 5:09 pm
Operator : PrashanS
Sample : IC7128-200
Misc : MS41039,V3B7128,5,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 17 09:27:09 2020
Quant Method : C:\MSDCHEM\1\METHODS\M3B7128.M
Quant Title : SW846 8260C / EPA 624, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Mon Feb 17 09:01:52 2020
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\V3B7128\
Data File : 3B158348.D
Acq On : 16 Feb 2020 6:35 pm
Operator : PrashanS
Sample : ICV7128-50
Misc : MS41039,V3B7128,5,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Feb 17 11:32:53 2020
Quant Method : C:\MSDCHEM\1\METHODS\M3B7128.M
Quant Title : SW846 8260C, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Mon Feb 17 09:28:37 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	7.940	65	266924	500.00	ug/L	-0.01
5) pentafluorobenzene	10.487	168	225121	50.00	ug/L	0.00
54) 1,4-difluorobenzene	11.471	114	309607	50.00	ug/L	0.00
75) chlorobenzene-d5	14.813	117	297326	50.00	ug/L	0.00
99) 1,4-dichlorobenzene-d4	17.313	152	200360	50.00	ug/L	0.00
System Monitoring Compounds						
46) dibromofluoromethane (s)	10.513	113	103332	49.77	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 99.54%			
55) 1,2-dichloroethane-d4 (s)	10.963	65	119643	45.34	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 90.68%			
76) toluene-d8 (s)	13.186	98	352905	50.20	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.40%			
100) 4-bromofluorobenzene (s)	16.068	95	145602	51.33	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 102.66%			
Target Compounds						Qvalue
3) tertiary butyl alcohol	8.076	59	166073	266.20	ug/L	100
4) 1,4-dioxane	12.145	88	58415	1482.98	ug/L	92
7) dichlorodifluoromethane	4.101	85	342568	50.93	ug/L	98
8) chloromethane	4.520	50	323566	49.09	ug/L	98
9) vinyl chloride	4.786	62	318690	50.10	ug/L	99
10) 1,3-butadiene	4.828	54	186490	55.86	ug/L	95
11) bromomethane	5.492	94	240965	62.93	ug/L	94
12) chloroethane	5.696	64	107246	46.73	ug/L	96
13) trichlorofluoromethane	6.240	101	327752	51.63	ug/L	96
14) vinyl bromide	6.089	106	181236	57.61	ug/L	97
15) ethyl ether	6.695	74	54153	55.33	ug/L	93
16) 2-chloropropane	6.936	43	214700	45.62	ug/L	96
17) acrolein	6.941	56	27999	49.35	ug/L	93
18) freon 113	7.192	151	141455	53.47	ug/L	98
19) 1,1-dichloroethene	7.171	96	107659	45.66	ug/L	95
20) acetone	7.166	43	198259	214.94	ug/L	98
22) iodomethane	7.459	142	267293	64.63	ug/L	96
23) carbon disulfide	7.632	76	433324	56.44	ug/L	95
24) methylene chloride	7.998	84	126284	51.86	ug/L	89
25) methyl acetate	7.720	43	101245	53.68	ug/L	100
26) methyl tert butyl ether	8.416	73	842820	100.59	ug/L	96
27) trans-1,2-dichloroethene	8.458	96	100948	49.23	ug/L	96
28) hexane	8.861	56	88296	61.63	ug/L	95
29) di-isopropyl ether	9.101	45	405169	49.07	ug/L	96
30) 2-butanone	9.807	72	65899	242.26	ug/L	96
31) 1,1-dichloroethane	9.101	63	190201	50.88	ug/L	97
32) chloroprene	9.206	53	160759	50.82	ug/L	95
33) acrylonitrile	8.322	53	56508	62.33	ug/L	92
34) vinyl acetate	9.038	86	17509	48.69	ug/L #	88
35) ethyl tert-butyl ether	9.614	59	421367	50.51	ug/L	99
36) ethyl acetate	9.839	45	21019	44.68	ug/L #	80
37) 2,2-dichloropropane	9.917	77	220527	45.50	ug/L	93
38) cis-1,2-dichloroethene	9.886	96	110344	51.79	ug/L	98
39) propionitrile	9.870	54	206422	648.57	ug/L	97
40) methyl acrylate	9.933	85	18521	72.01	ug/L #	89
41) methacrylonitrile	10.100	67	51608	59.52	ug/L	89
42) bromochloromethane	10.210	128	62542	53.45	ug/L	95
43) tetrahydrofuran	10.226	42	47601	56.26	ug/L	98
44) chloroform	10.309	83	190926	49.55	ug/L	99
45) tert-Butyl Formate	10.341	59	142428	56.62	ug/L	98
47) 1,1,1-trichloroethane	10.587	97	253584	48.96	ug/L	98
48) cyclohexane	10.712	84	219298	56.15	ug/L	97
50) 1,1-dichloropropene	10.764	75	132806	52.79	ug/L	94
51) carbon tetrachloride	10.801	117	228632	50.25	ug/L	99
52) tert-amyl alcohol	10.900	73	77567	278.53	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\V3B7128\
Data File : 3B158348.D
Acq On : 16 Feb 2020 6:35 pm
Operator : PrashanS
Sample : ICV7128-50
Misc : MS41039,V3B7128,5,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Feb 17 11:32:53 2020
Quant Method : C:\MSDCHEM\1\METHODS\M3B7128.M
Quant Title : SW846 8260C, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Mon Feb 17 09:28:37 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
53) isopropyl acetate	10.937	87	26496	53.97	ug/L #	74
56) n-butyl alcohol	11.512	56	298640	2763.54	ug/L	98
57) 2,2,4-trimethylpentane	11.136	57	527839	61.19	ug/L	99
58) benzene	11.026	78	389084	52.70	ug/L	97
59) tert-amyl methyl ether	11.120	73	393318	47.58	ug/L	98
60) heptane	11.308	57	82017	58.28	ug/L	98
61) 1,2-dichloroethane	11.057	62	157048	47.28	ug/L	99
62) ethyl acrylate	11.784	55	161457	56.25	ug/L	97
63) trichloroethene	11.800	95	103136	55.78	ug/L	95
64) 2-chloroethyl vinyl ether	12.626	63	398718	318.95	ug/L	97
65) methyl methacrylate	12.056	100	34403	60.71	ug/L	97
66) methylcyclohexane	12.114	83	240486	53.47	ug/L	96
67) 1,2-dichloropropane	12.098	63	105526	53.57	ug/L	99
68) dibromomethane	12.213	93	71480	52.32	ug/L	94
69) bromodichloromethane	12.375	83	154852	50.22	ug/L	95
70) 2-nitropropane	12.569	41	45662	57.50	ug/L	97
71) epichlorohydrin	12.710	57	83312	279.61	ug/L	98
72) cis-1,3-dichloropropene	12.862	75	176661	55.67	ug/L	93
73) 4-methyl-2-pentanone	12.951	58	250885	235.97	ug/L	91
74) isoamyl alcohol	12.961	70	128858	1096.40	ug/L	98
77) toluene	13.264	92	252080	52.61	ug/L	98
78) ethyl methacrylate	13.453	69	158985	57.87	ug/L	97
79) trans-1,3-dichloropropene	13.468	75	171911	56.75	ug/L	92
80) 1,1,2-trichloroethane	13.704	83	86707	56.11	ug/L	91
81) tetrachloroethene	13.866	164	104300	53.64	ug/L	97
82) 2-hexanone	13.861	58	232930	223.50	ug/L	94
83) 1,3-dichloropropane	13.897	76	157736	52.31	ug/L	94
84) butyl acetate	13.960	56	89351	57.96	ug/L	97
85) dibromochloromethane	14.169	129	141917	54.04	ug/L	92
86) 1,2-dibromoethane	14.331	107	130549	58.53	ug/L	96
87) n-butyl ether	14.802	57	467169	52.99	ug/L	98
88) chlorobenzene	14.849	112	303740	54.09	ug/L	95
89) 1,1,1,2-tetrachloroethane	14.922	131	147912	53.58	ug/L	100
90) ethylbenzene	14.912	91	505184	52.09	ug/L	99
91) m,p-xylene	15.043	106	396308	107.83	ug/L	98
92) o-xylene	15.472	91	451253	52.77	ug/L	99
93) styrene	15.487	104	331268	55.91	ug/L	97
94) butyl acrylate	15.283	55	260899	52.89	ug/L	98
95) n-amyl acetate	15.503	70	91637	52.94	ug/L	96
96) isopropylbenzene	15.848	105	609276	54.10	ug/L	99
97) bromoform	15.744	173	123702	57.47	ug/L	98
98) cis-1,4-dichloro-2-butene	15.880	88	77015	58.17	ug/L	95
101) 1,1,2,2-tetrachloroethane	16.141	83	186205	55.13	ug/L	98
102) trans-1,4-dichloro-2-b...	16.172	53	51933	54.26	ug/L	97
103) 1,2,3-trichloropropane	16.235	110	54110	55.03	ug/L	93
104) bromobenzene	16.267	156	157531	55.47	ug/L	98
105) n-propylbenzene	16.293	91	650962	55.94	ug/L	98
106) 2-chlorotoluene	16.439	126	148105	55.87	ug/L	93
107) 4-chlorotoluene	16.560	91	397986	55.90	ug/L	97
108) 1,3,5-trimethylbenzene	16.455	105	526028	55.60	ug/L	97
109) tert-butylbenzene	16.821	119	486045	55.53	ug/L	97
110) 1,2,4-trimethylbenzene	16.873	105	534074	55.11	ug/L	98
111) sec-butylbenzene	17.051	105	731669	56.96	ug/L	99
112) p-isopropyltoluene	17.187	119	651104	58.35	ug/L	98
113) 1,3-dichlorobenzene	17.239	146	311462	55.95	ug/L	95
114) 1,4-dichlorobenzene	17.339	146	312749	52.76	ug/L	98
115) 1,2-dichlorobenzene	17.721	146	341082	54.00	ug/L	97
116) benzyl chloride	17.423	91	304250	41.42	ug/L	98
117) n-butylbenzene	17.611	92	304743	56.42	ug/L	98
118) hexachloroethane	18.034	201	129072	57.37	ug/L	97
119) 1,2-dibromo-3-chloropr...	18.495	157	77835	51.96	ug/L	93
120) 1,3,5-trichlorobenzene	18.683	180	381008	53.83	ug/L	96
121) 2-ethylhexyl acrylate	19.274	70	51489	11.17	ug/L	88

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\V3B7128\
Data File : 3B158348.D
Acq On : 16 Feb 2020 6:35 pm
Operator : PrashanS
Sample : ICV7128-50
Misc : MS41039,V3B7128,5,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Feb 17 11:32:53 2020
Quant Method : C:\MSDCHEM\1\METHODS\M3B7128.M
Quant Title : SW846 8260C, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Mon Feb 17 09:28:37 2020
Response via : Initial Calibration

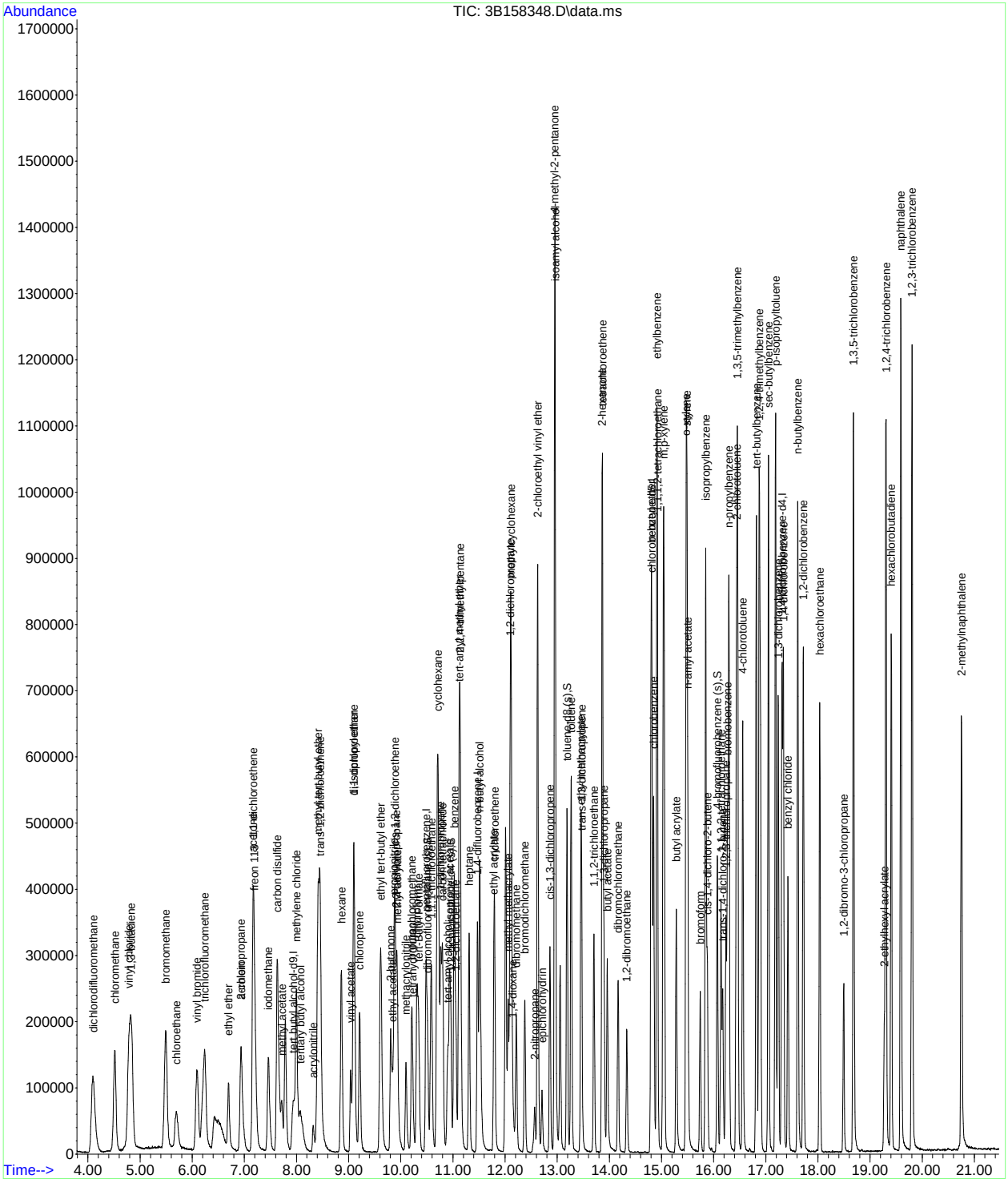
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
122) 1,2,4-trichlorobenzene	19.305	180	389999	55.16	ug/L	98
123) hexachlorobutadiene	19.405	225	173156	52.30	ug/L	99
124) naphthalene	19.588	128	1092836	55.94	ug/L	100
125) 1,2,3-trichlorobenzene	19.802	180	438488	56.81	ug/L	98
126) 2-methylnaphthalene	20.754	142	392817	31.43	ug/L	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\V3B7128\
Data File : 3B158348.D
Acq On : 16 Feb 2020 6:35 pm
Operator : PrashanS
Sample : ICV7128-50
Misc : MS41039,V3B7128,5,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Feb 17 11:32:53 2020
Quant Method : C:\MSDCHEM\1\METHODS\M3B7128.M
Quant Title : SW846 8260C, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Mon Feb 17 09:28:37 2020
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\V3B7128\
Data File : 3B158349.D
Acq On : 16 Feb 2020 7:04 pm
Operator : PrashanS
Sample : ICV7128-50
Misc : MS41039,V3B7128,5,,,,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Feb 17 11:31:19 2020
Quant Method : C:\MSDCHEM\1\METHODS\M3B7128.M
Quant Title : SW846 8260C, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Mon Feb 17 10:01:00 2020
Response via : Initial Calibration

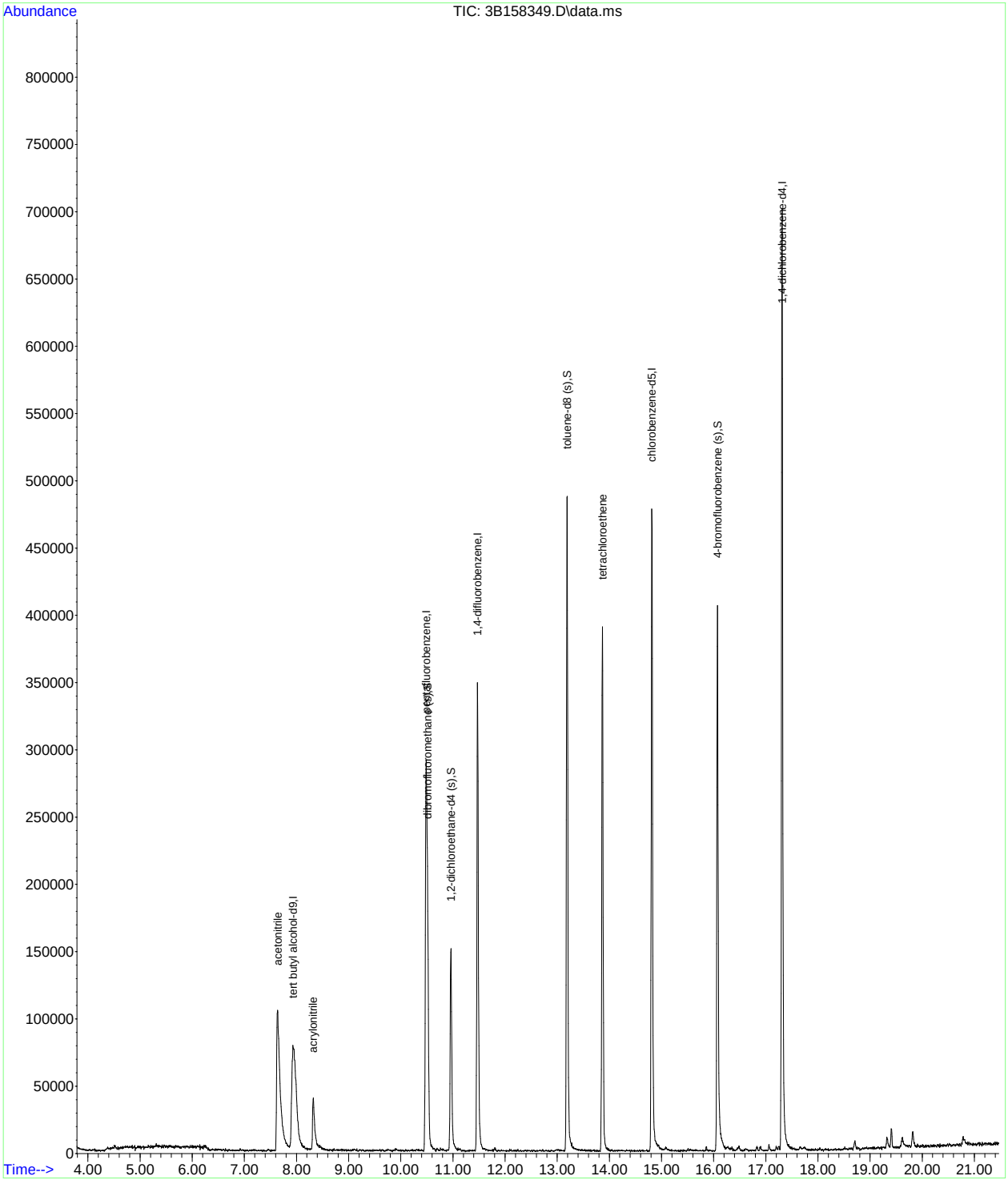
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	7.930	65	274838	500.00	ug/L	-0.02
5) pentafluorobenzene	10.487	168	229751	50.00	ug/L	0.00
54) 1,4-difluorobenzene	11.470	114	320357	50.00	ug/L	0.00
75) chlorobenzene-d5	14.813	117	304707	50.00	ug/L	0.00
99) 1,4-dichlorobenzene-d4	17.313	152	219326	50.00	ug/L	0.00
System Monitoring Compounds						
46) dibromofluoromethane (s)	10.513	113	103862	49.02	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 98.04%			
55) 1,2-dichloroethane-d4 (s)	10.963	65	125083	45.81	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 91.62%			
76) toluene-d8 (s)	13.191	98	355683	49.37	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 98.74%			
100) 4-bromofluorobenzene (s)	16.073	95	151465	48.78	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 97.56%			
Target Compounds						Qvalue
21) acetonitrile	7.642	41	266455	552.66	ug/L	94
33) acrylonitrile	8.317	53	49718	53.74	ug/L	92
81) tetrachloroethene	13.866	164	100860	50.62	ug/L	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\V3B7128\
Data File : 3B158349.D
Acq On : 16 Feb 2020 7:04 pm
Operator : PrashanS
Sample : ICV7128-50
Misc : MS41039,V3B7128,5,,,,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Feb 17 11:31:19 2020
Quant Method : C:\MSDCHEM\1\METHODS\M3B7128.M
Quant Title : SW846 8260C, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Mon Feb 17 10:01:00 2020
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\davem1\04-10-20\v3b7181\
Data File : 3b159444.d
Acq On : 9 Apr 2020 8:22 am
Operator : krizhkac
Sample : cc7128-20 Inst : MS3B
Misc : MS42281,V3B7181,5,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3B7128.M
Quant Results File: M3B7128.RES
Quant Time: Apr 10 02:25:47 2020
Quant Title : SW846 8260C, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Mon Feb 17 10:01:00 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	7.940	65	220599	500.00	ug/L	-0.01
5) pentafluorobenzene	10.482	168	193193	50.00	ug/L	0.00
54) 1,4-difluorobenzene	11.471	114	270664	50.00	ug/L	0.00
75) chlorobenzene-d5	14.807	117	256938	50.00	ug/L	0.00
99) 1,4-dichlorobenzene-d4	17.302	152	172772	50.00	ug/L	0.00
System Monitoring Compounds						
46) dibromofluoromethane (s)	10.508	113	90642	50.88	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 101.76%			
55) 1,2-dichloroethane-d4 (s)	10.953	65	107112	46.43	ug/L	-0.01
Spiked Amount 50.000	Range 81 - 124		Recovery = 92.86%			
76) toluene-d8 (s)	13.186	98	313924	51.67	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 103.34%			
100) 4-bromofluorobenzene (s)	16.068	95	124789	51.02	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 102.04%			
Target Compounds						Qvalue
3) tertiary butyl alcohol	8.081	59	46669	90.51	ug/L	98
4) 1,4-dioxane	12.140	88	17122	525.96	ug/L	88
7) dichlorodifluoromethane	4.106	85	110930	19.22	ug/L	98
8) chloromethane	4.525	50	98875	17.48	ug/L	99
9) vinyl chloride	4.792	62	90398	16.56	ug/L	98
10) 1,3-butadiene	4.844	54	47586	16.61	ug/L	92
11) bromomethane	5.498	94	62475	19.01	ug/L	98
12) chloroethane	5.712	64	37796	19.19	ug/L	93
13) trichlorofluoromethane	6.246	101	101630	18.66	ug/L	94
14) vinyl bromide	6.104	106	45635	16.90	ug/L	91
15) ethyl ether	6.695	74	17404	20.72	ug/L	88
17) acrolein	6.952	56	7891	16.21	ug/L	98
18) freon 113	7.197	151	43103	18.98	ug/L	96
19) 1,1-dichloroethene	7.171	96	39314	19.43	ug/L	96
20) acetone	7.171	43	57103	72.14	ug/L	97
21) acetonitrile	7.642	41	73147	180.43	ug/L	95
22) iodomethane	7.459	142	114461	32.25	ug/L	95
23) carbon disulfide	7.637	76	131763	20.00	ug/L	99
24) methylene chloride	8.003	84	43819	20.97	ug/L	98
25) methyl acetate	7.715	43	29782	18.40	ug/L	91
26) methyl tert butyl ether	8.427	73	137571	19.13	ug/L	96
27) trans-1,2-dichloroethene	8.458	96	34464	19.59	ug/L	93
28) hexane	8.866	56	22251	18.10	ug/L	93
29) di-isopropyl ether	9.096	45	125253	17.68	ug/L	99
30) 2-butanone	9.802	72	19014	81.45	ug/L	89
31) 1,1-dichloroethane	9.091	63	60787	18.95	ug/L	95
32) chloroprene	9.211	53	46278	17.05	ug/L	93
33) acrylonitrile	8.332	53	14166	18.21	ug/L	89
34) vinyl acetate	9.044	86	6001	19.45	ug/L #	80
35) ethyl tert-butyl ether	9.614	59	136254	19.03	ug/L	99
36) ethyl acetate	9.844	45	6019	16.15	ug/L #	91
37) 2,2-dichloropropane	9.912	77	78834	18.96	ug/L	95
38) cis-1,2-dichloroethene	9.881	96	37815	20.68	ug/L	92
39) propionitrile	9.870	54	60418	221.20	ug/L	95
40) methyl acrylate	9.933	85	5344	24.21	ug/L #	36
41) methacrylonitrile	10.095	67	13930	18.72	ug/L	85
42) bromochloromethane	10.205	128	19894	19.81	ug/L	94
43) tetrahydrofuran	10.226	42	13921	19.17	ug/L	97
44) chloroform	10.304	83	61326	18.54	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\davem1\04-10-20\v3b7181\
Data File : 3b159444.d
Acq On : 9 Apr 2020 8:22 am
Operator : krizhkac
Sample : cc7128-20 Inst : MS3B
Misc : MS42281,V3B7181,5,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3B7128.M
Quant Results File: M3B7128.RES
Quant Time: Apr 10 02:25:47 2020
Quant Title : SW846 8260C, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Mon Feb 17 10:01:00 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) tert-Butyl Formate	10.341	59	47986	22.23	ug/L		94
47) 1,1,1-trichloroethane	10.581	97	78581	17.68	ug/L		94
48) cyclohexane	10.712	84	63084	18.82	ug/L		87
50) 1,1-dichloropropene	10.759	75	42126	19.51	ug/L		95
51) carbon tetrachloride	10.796	117	69035	17.68	ug/L		99
52) tert-amyl alcohol	10.895	73	20902	87.46	ug/L		94
53) isopropyl acetate	10.932	87	8567	20.33	ug/L	#	47
56) n-butyl alcohol	11.507	56	88732	939.24	ug/L		91
57) 2,2,4-trimethylpentane	11.136	57	153069	20.30	ug/L		98
58) benzene	11.021	78	124217	19.25	ug/L		95
59) tert-amyl methyl ether	11.120	73	137389	19.01	ug/L		95
60) heptane	11.308	57	23851	19.39	ug/L		94
61) 1,2-dichloroethane	11.052	62	49608	17.08	ug/L		93
62) ethyl acrylate	11.784	55	46927	18.70	ug/L		98
63) trichloroethene	11.795	95	32326	20.00	ug/L		97
64) 2-chloroethyl vinyl ether	12.621	63	118363	108.31	ug/L		95
65) methyl methacrylate	12.056	100	9161	18.49	ug/L		96
66) methylcyclohexane	12.114	83	68704	17.47	ug/L		99
67) 1,2-dichloropropane	12.093	63	33041	19.19	ug/L		97
68) dibromomethane	12.208	93	22689	19.00	ug/L		99
69) bromodichloromethane	12.375	83	48158	17.87	ug/L		97
70) 2-nitropropane	12.564	41	11121	16.02	ug/L		97
71) epichlorohydrin	12.700	57	23681	90.91	ug/L		99
72) cis-1,3-dichloropropene	12.857	75	53770	19.38	ug/L		91
73) 4-methyl-2-pentanone	12.951	58	71822	77.27	ug/L	#	85
74) isoamyl alcohol	12.956	70	36241	352.73	ug/L		92
77) toluene	13.265	92	77959	18.83	ug/L		96
78) ethyl methacrylate	13.453	69	43229	18.21	ug/L		98
79) trans-1,3-dichloropropene	13.463	75	50229	19.19	ug/L		96
80) 1,1,2-trichloroethane	13.699	83	26387	19.76	ug/L		94
81) tetrachloroethene	13.866	164	31721	18.88	ug/L		96
82) 2-hexanone	13.861	58	67261	75.59	ug/L		95
83) 1,3-dichloropropane	13.892	76	49548	19.01	ug/L		93
84) butyl acetate	13.960	56	25439	19.09	ug/L		88
85) dibromochloromethane	14.164	129	41575	18.32	ug/L		95
86) 1,2-dibromoethane	14.332	107	39184	20.33	ug/L		98
87) n-butyl ether	14.797	57	140192	18.40	ug/L		97
88) chlorobenzene	14.844	112	92035	18.97	ug/L		98
89) 1,1,1,2-tetrachloroethane	14.917	131	45104	18.91	ug/L		94
90) ethylbenzene	14.907	91	156623	18.69	ug/L		98
91) m,p-xylene	15.038	106	121598	38.29	ug/L		97
92) o-xylene	15.466	91	138419	18.73	ug/L		98
93) styrene	15.482	104	100979	19.72	ug/L		99
94) butyl acrylate	15.283	55	73912	17.34	ug/L		99
95) n-amyl acetate	15.498	70	29607	19.79	ug/L	#	81
96) isopropylbenzene	15.843	105	182057	18.71	ug/L		96
97) bromoform	15.738	173	34048	18.31	ug/L		91
98) cis-1,4-dichloro-2-butene	15.874	88	19417	16.97	ug/L		89
101) 1,1,2,2-tetrachloroethane	16.136	83	58155	19.97	ug/L		99
102) trans-1,4-dichloro-2-b...	16.167	53	15007	18.18	ug/L		88
103) 1,2,3-trichloropropane	16.230	110	16222	19.13	ug/L	#	84
104) bromobenzene	16.261	156	46744	19.09	ug/L		96
105) n-propylbenzene	16.288	91	201545	20.08	ug/L		99
106) 2-chlorotoluene	16.434	126	45229	19.79	ug/L		88
107) 4-chlorotoluene	16.554	91	116590	18.99	ug/L		98
108) 1,3,5-trimethylbenzene	16.455	105	161731	19.82	ug/L		97
109) tert-butylbenzene	16.816	119	143126	18.96	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\davem1\04-10-20\v3b7181\
Data File : 3b159444.d
Acq On : 9 Apr 2020 8:22 am
Operator : krizhkac
Sample : cc7128-20 Inst : MS3B
Misc : MS42281,V3B7181,5,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3B7128.M
Quant Results File: M3B7128.RES
Quant Time: Apr 10 02:25:47 2020
Quant Title : SW846 8260C, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Mon Feb 17 10:01:00 2020
Response via : Initial Calibration

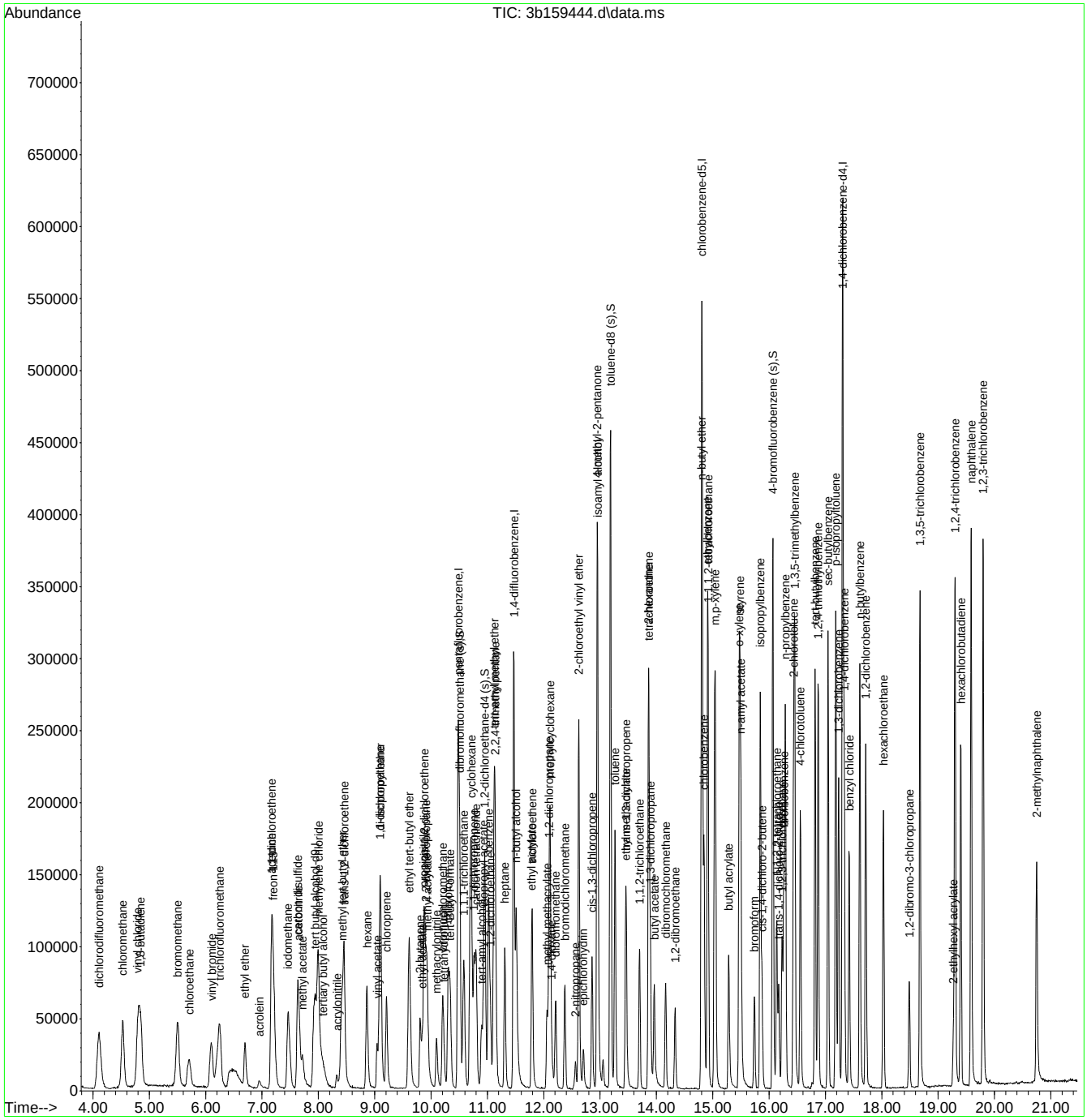
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
110) 1,2,4-trimethylbenzene	16.868	105	163126	19.52	ug/L	99
111) sec-butylbenzene	17.046	105	223456	20.17	ug/L	98
112) p-isopropyltoluene	17.182	119	196956	20.47	ug/L	98
113) 1,3-dichlorobenzene	17.234	146	95010	19.79	ug/L	98
114) 1,4-dichlorobenzene	17.334	146	97428	19.06	ug/L	98
115) 1,2-dichlorobenzene	17.715	146	105516	19.37	ug/L	97
116) benzyl chloride	17.423	91	128147	20.23	ug/L	100
117) n-butylbenzene	17.611	92	97153	20.86	ug/L	98
118) hexachloroethane	18.029	201	35879	18.49	ug/L	97
119) 1,2-dibromo-3-chloropr...	18.490	157	22943	17.76	ug/L	94
120) 1,3,5-trichlorobenzene	18.678	180	117209	19.20	ug/L	98
121) 2-ethylhexyl acrylate	19.269	70	10352	3.45	ug/L	98
122) 1,2,4-trichlorobenzene	19.300	180	125606	20.60	ug/L	95
123) hexachlorobutadiene	19.405	225	52108	18.25	ug/L	97
124) naphthalene	19.588	128	331457	19.68	ug/L	99
125) 1,2,3-trichlorobenzene	19.797	180	135261	20.32	ug/L	100
126) 2-methylnaphthalene	20.749	142	98930	9.18	ug/L	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\davem1\04-10-20\v3b7181\
Data File : 3b159444.d
Acq On : 9 Apr 2020 8:22 am
Operator : krizhkac
Sample : cc7128-20 Inst : MS3B
Misc : MS42281,V3B7181,5,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3B7128.M
Quant Results File: M3B7128.RES
Quant Time: Apr 10 02:25:47 2020
Quant Title : SW846 8260C, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Mon Feb 17 10:01:00 2020
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\kristelv\april 2020\04152020\v3b7186\
Data File : 3b159530.d
Acq On : 14 Apr 2020 8:28 am
Operator : mariceld
Sample : cc7128-20 Inst : MS3B
Misc : MS42471,V3B7186,5,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3B7128.M
Quant Results File: M3B7128.RES
Quant Time: Apr 15 03:33:05 2020
Quant Title : SW846 8260C, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Mon Feb 17 09:28:37 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	7.945	65	232426	500.00	ug/L	0.00
5) pentafluorobenzene	10.477	168	182390	50.00	ug/L	-0.01
54) 1,4-difluorobenzene	11.465	114	253769	50.00	ug/L	0.00
75) chlorobenzene-d5	14.807	117	243084	50.00	ug/L	0.00
99) 1,4-dichlorobenzene-d4	17.302	152	167821	50.00	ug/L	0.00
System Monitoring Compounds						
46) dibromofluoromethane (s)	10.508	113	85540	50.86	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 101.72%			
55) 1,2-dichloroethane-d4 (s)	10.953	65	106082	49.04	ug/L	-0.01
Spiked Amount 50.000	Range 81 - 124		Recovery = 98.08%			
76) toluene-d8 (s)	13.181	98	301301	52.42	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 104.84%			
100) 4-bromofluorobenzene (s)	16.063	95	119724	50.39	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.78%			
Target Compounds						Qvalue
3) tertiary butyl alcohol	8.066	59	50448	92.87	ug/L	93
4) 1,4-dioxane	12.140	88	17907	522.08	ug/L	88
7) dichlorodifluoromethane	4.096	85	103413	18.98	ug/L	99
8) chloromethane	4.520	50	99448	18.62	ug/L	99
9) vinyl chloride	4.786	62	90074	17.48	ug/L	98
10) 1,3-butadiene	4.833	54	34884	12.90	ug/L	89
11) bromomethane	5.492	94	59890	19.30	ug/L	95
12) chloroethane	5.691	64	35812	19.26	ug/L	92
13) trichlorofluoromethane	6.240	101	93567	18.19	ug/L	98
14) vinyl bromide	6.094	106	45770	17.96	ug/L	94
15) ethyl ether	6.701	74	14900	18.79	ug/L	95
17) acrolein	6.946	56	7450	16.21	ug/L	83
18) freon 113	7.197	151	36824	17.18	ug/L	98
19) 1,1-dichloroethene	7.166	96	32058	16.78	ug/L	96
20) acetone	7.166	43	56828	76.04	ug/L	97
21) acetonitrile	7.632	41	70762	184.88	ug/L	97
22) iodomethane	7.459	142	88663	26.46	ug/L	95
23) carbon disulfide	7.632	76	100517	16.16	ug/L	96
24) methylene chloride	7.992	84	37095	18.80	ug/L	90
25) methyl acetate	7.720	43	27317	17.88	ug/L	96
26) methyl tert butyl ether	8.421	73	130211	19.18	ug/L	93
27) trans-1,2-dichloroethene	8.458	96	30961	18.64	ug/L	89
28) hexane	8.866	56	18354	15.81	ug/L	98
29) di-isopropyl ether	9.096	45	118167	17.66	ug/L	98
30) 2-butanone	9.802	72	18164	82.42	ug/L #	76
31) 1,1-dichloroethane	9.091	63	57626	19.03	ug/L	96
32) chloroprene	9.206	53	43414	16.94	ug/L	99
33) acrylonitrile	8.322	53	12882	17.54	ug/L	95
34) vinyl acetate	9.038	86	5377	18.46	ug/L #	56
35) ethyl tert-butyl ether	9.609	59	128352	18.99	ug/L	98
36) ethyl acetate	9.844	45	5732	16.27	ug/L #	74
37) 2,2-dichloropropane	9.917	77	78307	19.94	ug/L	93
38) cis-1,2-dichloroethene	9.881	96	34299	19.87	ug/L	93
39) propionitrile	9.870	54	58829	228.14	ug/L	97
40) methyl acrylate	9.938	85	5331	25.58	ug/L #	28
41) methacrylonitrile	10.100	67	14005	19.94	ug/L	88
42) bromochloromethane	10.205	128	18166	19.16	ug/L	96
43) tetrahydrofuran	10.226	42	11910	17.38	ug/L	98
44) chloroform	10.304	83	58880	18.86	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\kristelv\april 2020\04152020\v3b7186\
Data File : 3b159530.d
Acq On : 14 Apr 2020 8:28 am
Operator : mariceld
Sample : cc7128-20 Inst : MS3B
Misc : MS42471,V3B7186,5,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3B7128.M
Quant Results File: M3B7128.RES
Quant Time: Apr 15 03:33:05 2020
Quant Title : SW846 8260C, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Mon Feb 17 09:28:37 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) tert-Butyl Formate	10.336	59	50252	24.66	ug/L		98
47) 1,1,1-trichloroethane	10.576	97	77968	18.58	ug/L		94
48) cyclohexane	10.717	84	57417	18.15	ug/L	#	81
50) 1,1-dichloropropene	10.764	75	40961	20.10	ug/L		92
51) carbon tetrachloride	10.791	117	68848	18.68	ug/L		99
52) tert-amyl alcohol	10.895	73	22053	97.74	ug/L		96
53) isopropyl acetate	10.932	87	8051	20.24	ug/L	#	75
56) n-butyl alcohol	11.512	56	84369	952.52	ug/L		98
57) 2,2,4-trimethylpentane	11.136	57	133414	18.87	ug/L		98
58) benzene	11.021	78	114211	18.87	ug/L		96
59) tert-amyl methyl ether	11.115	73	130317	19.23	ug/L		98
60) heptane	11.308	57	21342	18.50	ug/L		94
61) 1,2-dichloroethane	11.052	62	47965	17.62	ug/L		99
62) ethyl acrylate	11.784	55	42300	17.98	ug/L		97
63) trichloroethene	11.795	95	30905	20.39	ug/L		97
64) 2-chloroethyl vinyl ether	12.621	63	111178	108.50	ug/L		97
65) methyl methacrylate	12.056	100	8763	18.87	ug/L	#	86
66) methylcyclohexane	12.114	83	63426	17.20	ug/L		94
67) 1,2-dichloropropane	12.093	63	31744	19.66	ug/L		97
68) dibromomethane	12.213	93	22382	19.99	ug/L		96
69) bromodichloromethane	12.375	83	47531	18.81	ug/L		97
70) 2-nitropropane	12.564	41	12240	18.80	ug/L		99
71) epichlorohydrin	12.705	57	23862	97.71	ug/L		93
72) cis-1,3-dichloropropene	12.857	75	52474	20.18	ug/L		93
73) 4-methyl-2-pentanone	12.945	58	71529	82.08	ug/L	#	82
74) isoamyl alcohol	12.956	70	37533	389.62	ug/L		92
77) toluene	13.265	92	74026	18.90	ug/L		99
78) ethyl methacrylate	13.453	69	42709	19.02	ug/L		93
79) trans-1,3-dichloropropene	13.463	75	50308	20.31	ug/L		97
80) 1,1,2-trichloroethane	13.699	83	24826	19.65	ug/L		89
81) tetrachloroethene	13.861	164	30015	18.88	ug/L		96
82) 2-hexanone	13.861	58	66303	78.71	ug/L		92
83) 1,3-dichloropropane	13.892	76	47750	19.37	ug/L		92
84) butyl acetate	13.960	56	25506	20.24	ug/L		87
85) dibromochloromethane	14.164	129	40092	18.67	ug/L		98
86) 1,2-dibromoethane	14.326	107	38339	21.03	ug/L		100
87) n-butyl ether	14.797	57	139434	19.34	ug/L		99
88) chlorobenzene	14.844	112	88561	19.29	ug/L		98
89) 1,1,1,2-tetrachloroethane	14.912	131	43735	19.38	ug/L		98
90) ethylbenzene	14.907	91	150388	18.97	ug/L		98
91) m,p-xylene	15.038	106	117863	39.22	ug/L		96
92) o-xylene	15.466	91	135503	19.38	ug/L		98
93) styrene	15.482	104	95385	19.69	ug/L		96
94) butyl acrylate	15.283	55	71297	17.68	ug/L		99
95) n-amyl acetate	15.498	70	28095	19.85	ug/L		92
96) isopropylbenzene	15.843	105	183941	19.98	ug/L		99
97) bromoform	15.738	173	32876	18.68	ug/L		99
98) cis-1,4-dichloro-2-butene	15.874	88	21620	19.97	ug/L		94
101) 1,1,2,2-tetrachloroethane	16.136	83	54902	19.41	ug/L		98
102) trans-1,4-dichloro-2-b...	16.167	53	16767	20.91	ug/L		90
103) 1,2,3-trichloropropane	16.230	110	15565	18.90	ug/L		93
104) bromobenzene	16.261	156	45907	19.30	ug/L		89
105) n-propylbenzene	16.288	91	197657	20.28	ug/L		99
106) 2-chlorotoluene	16.434	126	44642	20.10	ug/L		95
107) 4-chlorotoluene	16.554	91	118213	19.82	ug/L		96
108) 1,3,5-trimethylbenzene	16.455	105	162169	20.46	ug/L		99
109) tert-butylbenzene	16.816	119	141530	19.30	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\kristelv\april 2020\04152020\v3b7186\
Data File : 3b159530.d
Acq On : 14 Apr 2020 8:28 am
Operator : mariceld
Sample : cc7128-20 Inst : MS3B
Misc : MS42471,V3B7186,5,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3B7128.M
Quant Results File: M3B7128.RES
Quant Time: Apr 15 03:33:05 2020
Quant Title : SW846 8260C, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Mon Feb 17 09:28:37 2020
Response via : Initial Calibration

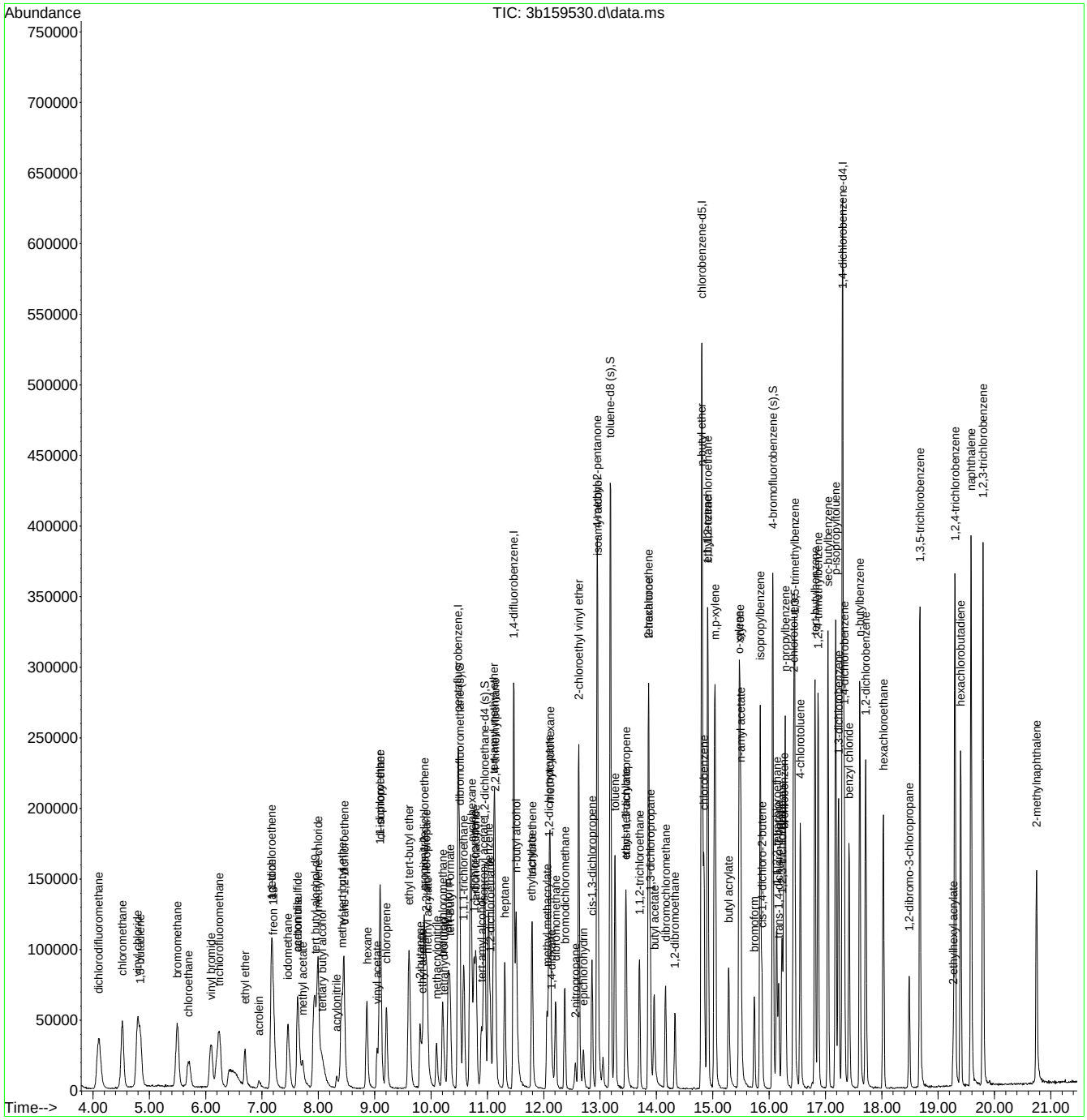
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
110) 1,2,4-trimethylbenzene	16.868	105	160057	19.72	ug/L	99
111) sec-butylbenzene	17.046	105	224545	20.87	ug/L	100
112) p-isopropyltoluene	17.182	119	194786	20.84	ug/L	97
113) 1,3-dichlorobenzene	17.234	146	92781	19.90	ug/L	99
114) 1,4-dichlorobenzene	17.334	146	97465	19.63	ug/L	97
115) 1,2-dichlorobenzene	17.715	146	104441	19.74	ug/L	98
116) benzyl chloride	17.417	91	133752	21.74	ug/L	98
117) n-butylbenzene	17.606	92	96221	21.27	ug/L	97
118) hexachloroethane	18.029	201	36285	19.25	ug/L	97
119) 1,2-dibromo-3-chloropr...	18.484	157	23766	18.94	ug/L	95
120) 1,3,5-trichlorobenzene	18.678	180	116393	19.63	ug/L	99
121) 2-ethylhexyl acrylate	19.269	70	9535	3.33	ug/L	94
122) 1,2,4-trichlorobenzene	19.300	180	123045	20.78	ug/L	95
123) hexachlorobutadiene	19.400	225	51540	18.59	ug/L	97
124) naphthalene	19.583	128	334764	20.46	ug/L	99
125) 1,2,3-trichlorobenzene	19.797	180	135317	20.93	ug/L	98
126) 2-methylnaphthalene	20.744	142	94934	9.07	ug/L	96

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\kristelv\april 2020\04152020\v3b7186\
Data File : 3b159530.d
Acq On : 14 Apr 2020 8:28 am
Operator : mariceld
Sample : cc7128-20 Inst : MS3B
Misc : MS42471,V3B7186,5,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3B7128.M
Quant Results File: M3B7128.RES
Quant Time: Apr 15 03:33:05 2020
Quant Title : SW846 8260C, Rxi624Sil MS 60m x 0.25mm x 1.4um
QLast Update : Mon Feb 17 09:28:37 2020
Response via : Initial Calibration

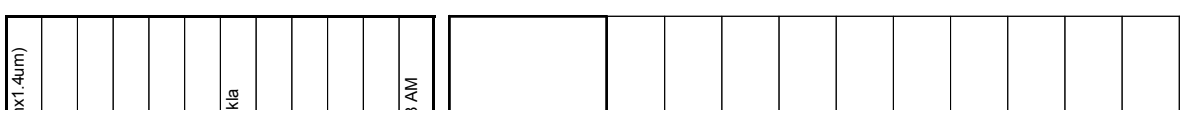


M3B7128.M Wed Apr 15 04:52:32 2020 Page: 4

GCMS Volatile Run Log

Standard / Reagents	Lot #				Column	Rxi-624(60mx0.25mmx1.4um)
Standards	ABK: V019-2692-77.46	EC: V019-2692-92.5	Acrolein: V019-2692-88.19		Method	V8260C
Standard Concentrations	100-10,000 ppm	100 ppm	100 ppm		Init Calib Date	2/16/2020
Expiration Date	3/4/2020	2/19/2020	03/11/2020			
Ext.Standards	Ext.ABK: V019-2692-72.1	Ext.EC: V019-2692-93.2	Ext.Acrolein: V019-2692-76.2	Ext.PA: V019-2692-91.2		
Standard Concentrations	100-10,000 ppm	100 ppm	100 ppm	100-1,000 ppm	Analysis Date	2/16/2020
Expiration Date	3/4/2020	2/21/2020	3/2/2020	3/11/2020	Sequence loaded by	Prashant B. Shukla
Internal Surrogate	V019-2692-83				Data processed by	Bridget Kelly
Internal Surrogate Concentration	250/2,500ppm				Batch ID	V3B7128
Expiration Date	3/4/2020				Matrix	AQ
Initial Calibration Method	M3B7128				Approved By:	KANYAV
pH Paper Lot#	217518				Approved Date:	2/18/2020 2:29:28 AM

Data File		Sample ID	Bot #	Dil	Workgroup #	Test	Purge Vol (ml)	CL	pH	ALS #	Status	Comments
3B	158335	BFB		NA		Tune	5			1	ok	12:16 PM
3B	158336	IC7128-0.2		NA		ICC8260 AQ	5			2	ok	1uL Std.ABK,EC,Acrolein in 500mL DI H2O
3B	158337	IC7128-0.5		NA		ICC8260 AQ	5			3	ok	1uL Std.ABK,EC,Acrolein in 200mL DI H2O
3B	158338	IC7128-1		NA		ICC8260 AQ	5			4	ok	1uL Std.ABK,EC,Acrolein in 100mL DI H2O
3B	158339	IC7128-2		NA		ICC8260 AQ	5			5	ok	1uL Std.ABK,EC,Acrolein in 50mL DI H2O
3B	158340	IC7128-4		NA		ICC8260 AQ	5			6	ok	2uL Std.ABK,EC,Acrolein in 50mL DI H2O
3B	158341	IC7128-8		NA		ICC8260 AQ	5			7	ok	4uL Std.ABK,EC,Acrolein in 50mL DI H2O
3B	158342	IC7128-20		NA		ICC8260 AQ	5			8	ok	10uL Std.ABK,EC,Acrolein in 50mL DI H2O
3B	158343	ICC7128-50		NA		ICC8260 AQ	5			9	ok	25uL Std.ABK,EC,Acrolein in 50mL DI H2O
3B	158344	IC7128-100		NA		ICC8260 AQ	5			10	ok	50uL Std.ABK,EC,Acrolein in 50mL DI H2O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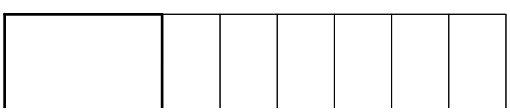
Data File		Sample ID	Bot #	Dil	Workgroup #	Test	Purge Vol (ml)	CL	pH	ALS #	Status	Comments
3B	158345	IC7128-200		NA		ICC8260 AQ	5			11	ok	100uL Std.ABK,EC,Acrolein in 50mL DI H2O
3B	158346	IB		NA			5			12	OK	
3B	158347	IB		NA			5			13	OK	
3B	158348	ICV7128-50		NA		ICV8260 AQ	5			14	ok	25uL Ext.ABK,EC,Acrolein in 50mL DI H2O
3B	158349	ICV7128-50		NA		ICV8260 AQ	5			15	ok	25uL Ext.PA in 50mL DI H2O
3B	158350	IB		NA			5			16	OK	



GCMS Volatile Run Log

Standard / Reagents	Lot #				Column	Rxi-624(60mx0.25mmx1.4um)
Standards	ABK:V020-2701-04.26	EC:V020-2701-17.10	Acrolein:V020-2701-12.6		Method	V8260C
Standard Concentrations	100ppm-10,000ppm	100ppm	100ppm		Init Calib Date	2/16/2020
Expiration Date	4/30/2020	4/14/2020	5/3/2020			
Internal Surrogate	V019-2692-139					
Internal Surrogate Concentration	250/2500ppm				Analysis Date	4/9/2020
Expiration Date	04/18/2020				Sequence loaded by	Krizhka Cuenta
					Data processed by	davem1
Rough review by	Krizhka				Batch ID	V3B7181
Initial Calibration Method	M3B7128				Matrix	AQ
pH Paper Lot# (Wide range)	221419				Approved By:	MEI
Expiration Date	8/1/2022				Approved Date:	4/10/2020 6:07:47 PM

Data File		Sample ID	Bot #	Dil	Workgroup #	Test	Purge Vol (ml)	CL	pH	ALS #	Status	Comments
3B	159443	IB		NA			5			1	ok	
3B	159444	BFB/CC7128-20		NA			5			2	ok/ok	20uL ABK, EC, Acrolein/100mL (8:22 am)
3B	159445	BS		NA			5			3	ok	50uL ABK, EC, Acrolein/100mL
3B	159446	IB		NA			5			4	ok	
3B	159447	MB		NA			5			5	ok	
3B	159448	JD5554-6	1	NA	MS42336	V8260TCL11	5		1	6	ok	
3B	159449	JD5449-21	2	10X	MS42281	V8260TCL11	5/50		1	7	ok	+3B159451
3B	159450	JD5449-19	1	5X	MS42281	V8260TCL11	10/50		1	8	ok/dL	+3B159390
3B	159451	JD5449-21	2	NA	MS42281	V8260TCL11	5		1	9	ok/dL	+3B159449
3B	159452	JD5554-6MS	2	NA	MS42336	V8260TCL11	5		1	10	ok	20uL ABK, EC, Acrolein/40mL sample

Data File		Sample ID	Bot #	Dil	Workgroup #	Test	Purge Vol (ml)	CL	pH	ALS #	Status	Comments
3B	159453	JD5554-6MSD	3	NA	MS42336	V8260TCL11	5		1	11	ok	20uL ABK, EC, Acrolein/40mL sample
3B	159454	JD5449-16	1	10X	MS42281	V8260TCL11	5/50		1	12	ok	+3B159385
3B	159455	JD5554-10	1	NA	MS42336	V8260TCL11	5		1	13	ok	
3B	159456	JD5554-11	1	NA	MS42336	V8260TCL11	5		1	14	ok	
3B	159457	JD5449-35	1	NA	MS42281	V8260TCL11	5		1	15	ok	
3B	159458	JD5554-2	1	NA	MS42336	V8260TCL11	5		1	16	ok	
3B	159459	JD5554-5	1	NA	MS42336	V8260TCL11	5		1	17	ok	
3B	159460	JD5554-7	1	NA	MS42336	V8260TCL11	5		1	18	ok	
3B	159461	JD5554-8	1	NA	MS42336	V8260TCL11	5		1	19	ok	
3B	159462	JD5554-9	1	NA	MS42336	V8260TCL11	5		1	20	ok	
3B	159463	JD5554-3	1	5X	MS42336	V8260TCL11	10/50		1	21	ok	
3B	159464	JD5554-4	1	5X	MS42336	V8260TCL11	10/50		1	22	rr	rr 1x O/D
3B	159465	JD5554-1	1	100X	MS42336	V8260TCL11	0.50/50		1	23	ok	
3B	159466	JD5554-12	1	100X	MS42336	V8260TCL11	0.50/50		1	24	ok	
3B	159467	JD5554-1	1	10X	MS42336	V8260TCL11	5/50		1	25	ok/dL	
3B	159468	JD5554-12	1	10X	MS42336	V8260TCL11	5/50		1	26	ok/dL	(08:07 PM)
3B	159469	IB		NA			5			27	ok	

GCMS Volatile Run Log

Standard / Reagents	Lot #					
Standards	ABK:V020-2701-04.26	EC:V020-2701-17.10	Acrolein:V020-2701-12.23		Column	Rxi-624(60mx0.25mmx1.4um)
Standard Concentrations	100ppm-10,000ppm	100ppm	100ppm		Method	V8260C
Expiration Date	4/30/2020	4/14/2020	5/3/2020		Init Calib Date	2/16/2020
Internal Surrogate	V019-2692-139					
Internal Surrogate Concentration	250/2500ppm				Analysis Date	4/14/2020
Expiration Date	04/18/2020				Sequence loaded by	Krizhka Cuenta
					Data processed by	kristelv
Rough review by	Krizhka				Batch ID	V3B7186
Initial Calibration Method	M3B7128				Matrix	AQ
pH Paper Lot# (Wide range)	207519				Approved By:	MEI
Expiration Date	3/15/2022				Approved Date:	4/17/2020 2:36:55 PM

Data File		Sample ID	Bot #	Dil	Workgroup #	Test	Purge Vol (ml)	CL	pH	ALS #	Status	Comments
3B	159529	IB		NA			5			1	ok	
3B	159530	BFB/CC7128-20		NA			5			2	ok/ok	20uL ABK, EC, Acrolein/100mL (8:28 am) #22 high
3B	159531	BS		NA			5			3	ok	50uL ABK, EC, Acrolein/100mL #22 high
3B	159532	IB		NA			5			4	ok	
3B	159533	MB		NA			5			5	ok	
3B	159534	JD5693-1	1	NA	MS42389	V8260TCL11	5		1	6	ok	
3B	159535	JD5742-25	2	NA	MS42564	V8260MASTD	5		1	7	ok	
3B	159536	JD5693-14	1	NA	MS42389	V8260TCL11	5		1	8	ok	
3B	159537	JD5554-4	2	NA	MS42336	V8260TCL11	5		1	9	ok	+3B159464
3B	159538	JD5742-25MS	3	NA	MS42564	V8260MASTD	5		1	10	ok	20uL ABK, EC, Acrolein/40mL sample
3B	159539	JD5742-25MSD	4	NA	MS42564	V8260MASTD	5		1	11	ok	20uL ABK, EC, Acrolein/40mL sample

Data File		Sample ID	Bot #	Dil	Workgroup #	Test	Purge Vol (ml)	CL	pH	ALS #	Status	Comments
3B	159540	IB		NA			5			12	ok	
3B	159541	JD5742-33	1	NA	MS42564	V8260MASTD	5		1	13	ok	
3B	159542	JD5742-22	2	NA	MS42564	V8260MASTD	5		1	14	ok	
3B	159543	JD5742-23	1	NA	MS42564	V8260MASTD	5		1	15	ok	
3B	159544	JD5742-24	2	NA	MS42564	V8260MASTD	5		1	16	ok	
3B	159545	JD5742-26	2	NA	MS42564	V8260MASTD	5		1	17	ok	
3B	159546	JD5742-27	2	NA	MS42564	V8260MASTD	5		1	18	ok	
3B	159547	JD5742-31	2	NA	MS42564	V8260MASTD	5		1	19	ok	
3B	159548	JD5742-34	1	NA	MS42564	V8260MASTD	5		1	20	ok	
3B	159549	JD5742-35	1	NA	MS42564	V8260MASTD	5		1	21	ok	
3B	159550	JD5742-36	1	NA	MS42564	V8260MASTD	5		1	22	ok	
3B	159551	JD5742-37	1	NA	MS42564	V8260MASTD	5		1	23	ok	
3B	159552	JD5742-38	1	NA	MS42564	V8260MASTD	5		1	24	ok	
3B	159553	JD5742-39	1	NA	MS42564	V8260MASTD	5		1	25	ok	
3B	159554	JD5742-30	2	5X	MS42564	V8260MASTD	10/50		1	26	rr	8:01 pm; l/d 1x
3B	159555	IB		NA			5			27	ok	