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September 20, 2024

Your Reference
Site Number 704015

Our Reference
Project Number 60637673

Mr. Stephen Catalfamo
New York State Department of
Environmental Conservation Kirkwood
Sub-Office
1679 NYS Route 11
Kirkwood, NY 13795

NYSDEC Standby Contract D009803

C.A.E. Electronics, Site No. 704015

2023 Groundwater Sampling Letter Report

WA # D009803-28

Dear Mr. Catalfamo,

AECOM USA, Inc. (AECOM) is pleased to present the New York State Department of Environmental Conservation (NYSDEC) with this Groundwater Sampling Letter Report summarizing work completed in June and July 2023 at the C.A.E. Electronics, Site No. 704015 (shown on **Figure 1**). In accordance with the Site Management Plan (SMP), and on behalf of the NYSDEC, AECOM performed a groundwater sampling event to evaluate the continued effectiveness of the site remedy. Groundwater samples were collected using passive diffusion bag (PDB) samplers from a subset of 16 wells that were selected from the monitoring well network. NYSDEC, in consultation with AECOM, selected the 16 monitoring wells based on spatial distribution and temporal trends of the site-related constituents of concern, primarily trichloroethene (TCE). The field activities and results of the sampling are summarized in this report.

FIELD ACTIVITIES

On June 27, 2023, AECOM was onsite to set-up the PDB samplers and place them in the selected monitoring wells. Prior to deploying the PDB samplers, AECOM used an electronic water level/interface meter to measure the depth to water, depth to the well bottom, and to evaluate for the presence or absence of separate phase liquid (SPL) at all accessible well locations (26), including those not selected for sampling in this event. AECOM ensured the pre-made tethers (designed to suspend the PDBs within the water column) were the appropriate length. Adjustments to the overall length of the tether and point of attachment of the PDB were made as needed to ensure the PDB would remain submerged and within the screened portion of the well during the deployment period. One equipment blank sample was collected on June 27, 2023 for laboratory analysis.

On July 27, 2023, AECOM was onsite to collect the groundwater samples from the PDBs. At each well, AECOM recorded the depth to water prior to sampling. The PDB was retrieved and used to fill the laboratory provided sample containers for laboratory analysis. After the samples were collected and labelled, the containers were immediately placed into a cooler(s) with wet ice to maintain a temperature of approximately 4 degrees Celsius. The samples remained in a temperature-controlled environment, in the custody of AECOM, under chain-of-custody protocol, until they were relinquished to the laboratory courier. The PDB tether hardware was left in place at each well for future sampling activities. One duplicate sample, one matrix spike/matrix spike duplicate pair, and one trip blank were also collected on July 27, 2023 for laboratory analysis. Well Sampling Logs are included in **Appendix A**.

GROUNDWATER OCCURANCE AND FLOW DIRECTION

In June 2023, static groundwater levels were measured between approximately 7 and 30 feet below top of riser in the monitoring wells. Consistent with previous sampling events, no SPL was identified in any well. **Figure 2** presents the groundwater elevation contour map for June 2023. The corresponding groundwater and well elevation data are summarized on **Table 1**. Groundwater flow is generally towards the west to west-northwest across most of the study area; flow appears to be more northerly along the eastern half of the study area north of monitoring well MW-28R. These results are consistent with historical results.

LABORATORY ANALYTICAL RESULTS

All samples collected for laboratory analysis were submitted to Pace Analytical Laboratory in East Longmeadow, MA, for analysis of Target Compound List (TCL) volatile organic compound (VOC) analysis by United States Environmental Protection Agency (USEPA) Method 8260C. Data validation was performed by Environmental Data Validation Inc. (EDV). The Data Usability Summary Report prepared by EDV is included as **Appendix B**. The full laboratory data package is included as **Appendix C**.

Summary of Results and Comparison to Previous Results

All groundwater samples were analyzed for TCL VOCs. **Table 2** presents the detected analytical results for VOCs in the samples collected during the July 2013, November 2017, July 2021, and July 2023 sampling events (only the wells sampled in 2023 are included on the table). The results demonstrate that VOC concentrations in groundwater have generally decreased over the last ten years. **Figure 3** presents the results for TCE, the primary contaminant of concern, over the last four sampling events.

The groundwater analytical results were compared to the NYSDEC Groundwater Standards presented in NYSDEC Technical Operational and Guidance Series (TOGS) 1.1.1, Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, June 1998, revised June 2004, Class GA. In the 2023 sampling event, VOCs were non-detect or detected at concentrations below their associated groundwater standards in all wells, except for TCE at one isolated well location. At monitoring well MW-17, TCE was detected at a concentration of 38 microgram per liter ($\mu\text{g/L}$) in both the parent and duplicate samples, exceeding the groundwater standard of 5 $\mu\text{g/L}$. This result is similar to the 2021 concentration of 36 $\mu\text{g/L}$ (and its duplicate sample result of 35 $\mu\text{g/L}$). MW-17 is located in a parking area of a small commercial strip and is approximately 800 feet northwest (hydraulically downgradient) of the former C.A.E Electronics facility. Although the concentration of TCE detected at MW-17 in 2023 was similar with the result associated with the 2021 sampling event, the concentration of TCE at this well location has decreased significantly since monitoring began in 2013. Furthermore, low concentrations (less than 1 $\mu\text{g/L}$) observed in a nearby monitoring well (NW-05) and two wells located hydraulically downgradient of MW-17 (NW-06 and MW-25) demonstrate that the condition is isolated.

At all other wells where TCE has historically been detected at low concentrations, concentrations decreased when compared to the previous sampling event. It should be noted that monitoring well NW-04 was only sampled in 2023, and had not previously been sampled in the last ten years. No VOCs were detected in this well above their respective NYSDEC Groundwater Standards.

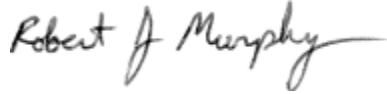
CONCLUSIONS AND RECOMMENDATIONS

In June and July 2023, AECOM, on behalf of NYSDEC, performed a comprehensive groundwater sampling event associated with the C.A.E. Electronics site (Site No. 704015). In the 2023 sampling event, all TCL VOCs were non-detect or were detected at concentrations well below their associated NYSDEC groundwater standards at all monitoring well locations, except for TCE at one isolated monitoring well location. Based on temporal trends (2013 – 2023), the data indicates that TCE is attenuating and the contaminant plume boundary is stable or shrinking. This data, in conjunction with other elements of the Site Management Plan, demonstrate the continued effectiveness of the remedy and indicate that the site conditions remain protective of human health and the environment.

AECOM recommends consideration of additional well decommissioning at the site to further reduce the groundwater monitoring network, given the reduction in VOC concentrations and size of the impacted area. The next groundwater sampling event, if determined to be required, will be scheduled in consultation with NYSDEC.

Please call me with any questions or comments at (716) 903-1346.

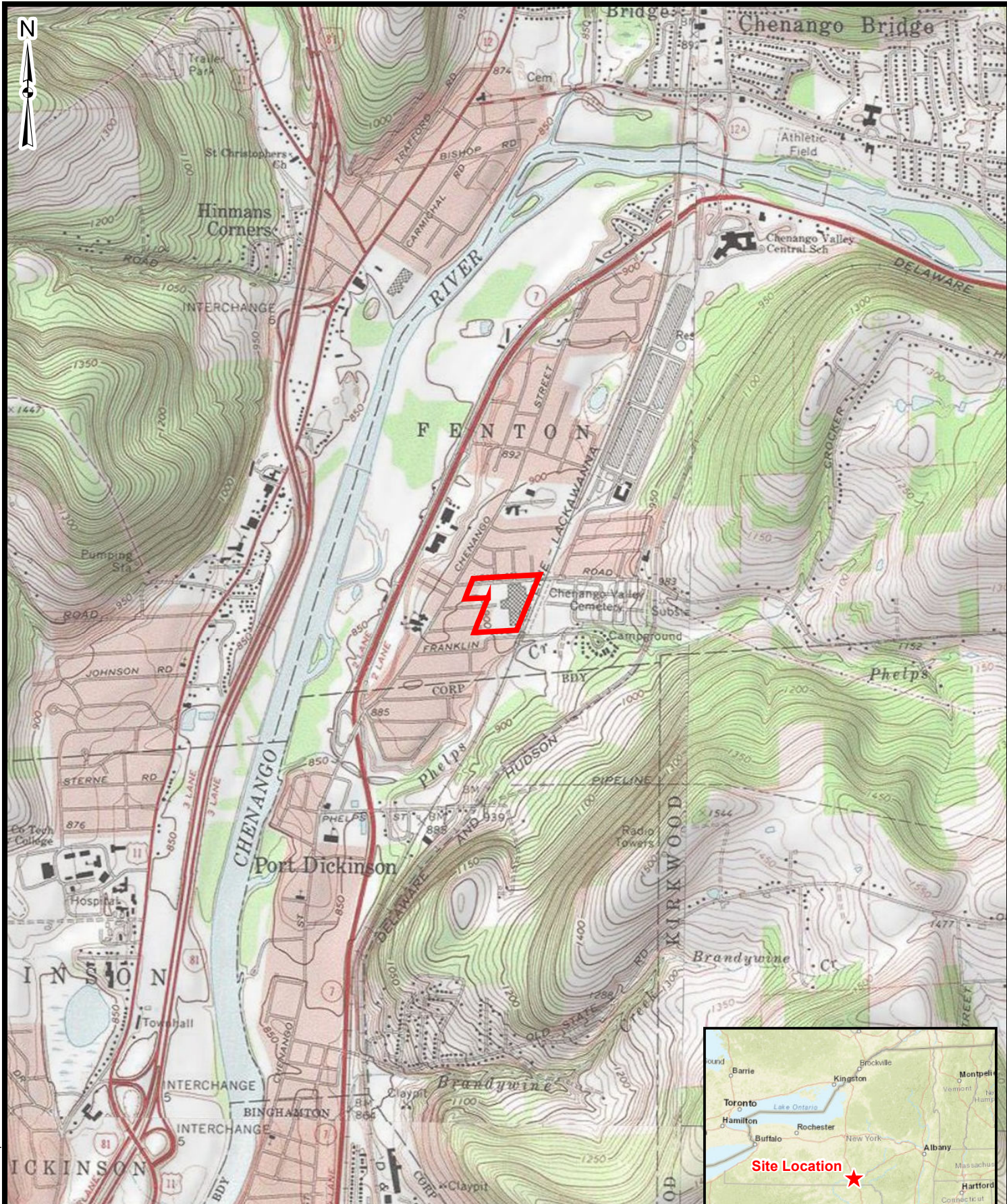
Yours sincerely,



Robert J. Murphy
Senior Geologist/ Project Manager
AECOM
M: 716-903-1346
E: rob.murphy@aecom.com

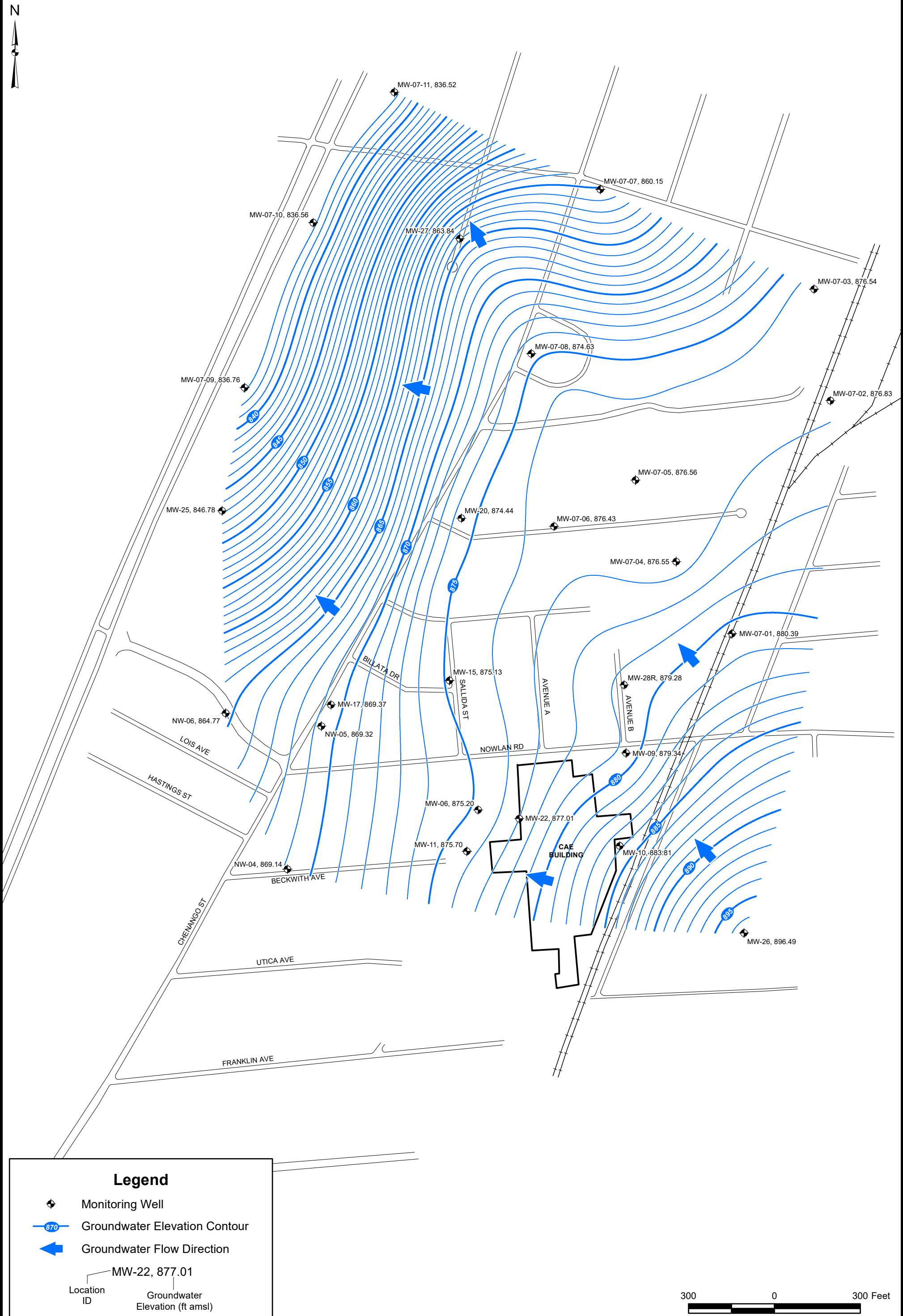
enclosures: Tables
Figures
Appendix A
Appendix B
Appendix C

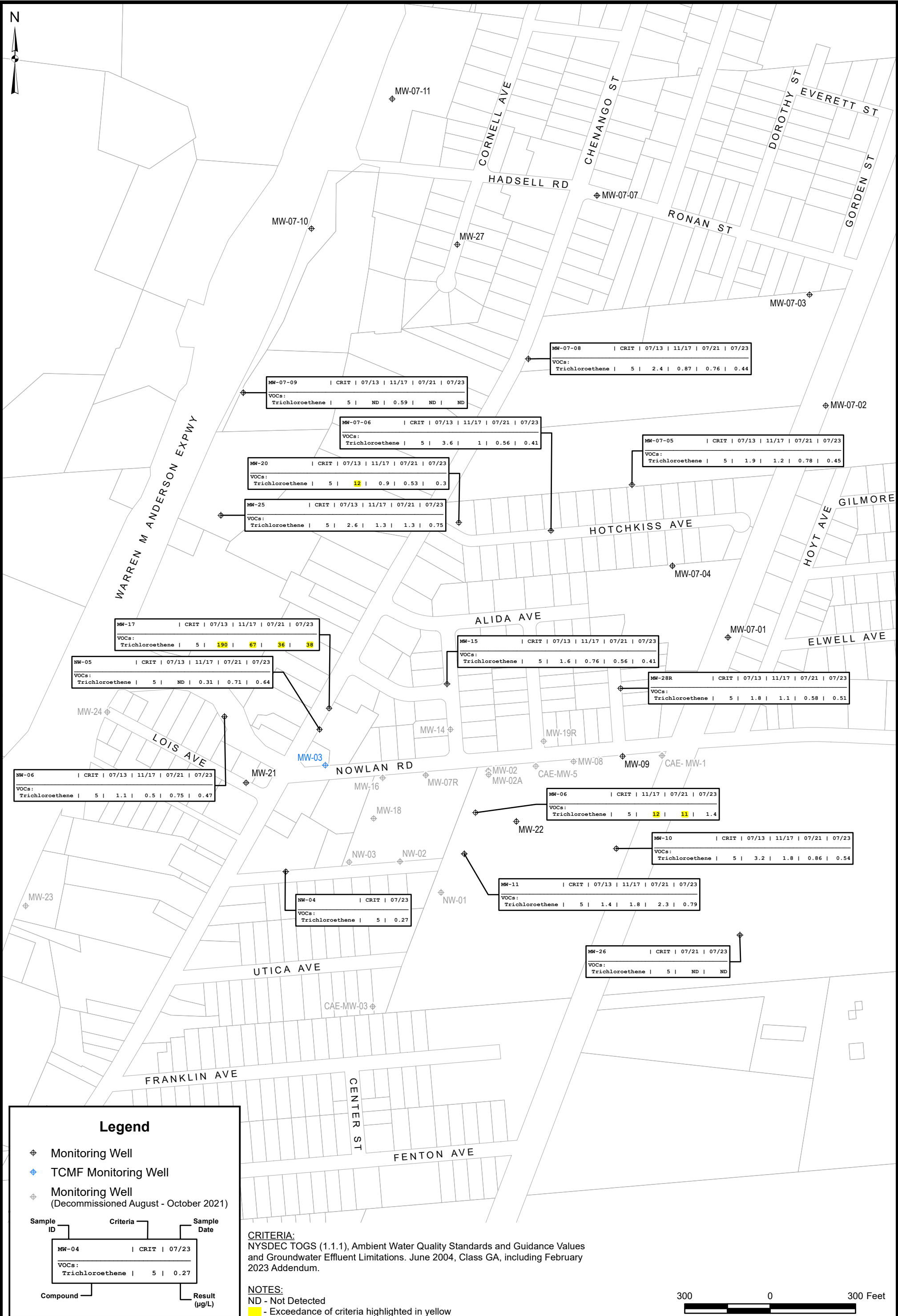
FIGURES



Source: 1:24,000-scale USGS Topographic
 Quadrangles: Castle Creek, 1976;
 Chenango Forks, 1968







TABLES

TABLE 1
C.A.E. ELECTRONICS SITE
GROUNDWATER ELEVATIONS

Location ID / Type	Northing	Easting	Ground Elevation (ft)	Casing Elevation (ft)	Meas.point (Riser)Elev.(ft)	Geol. Zone	Date / Time	Depth to Water (ft)	Water Elev. (ft)	Product Thick. (ft)	Corrected Water Elev. (ft)	Remark
MW-06 MNW	783235.980	1009413.851	899.50	900.22	900.17	A	6/27/2023 1118	24.97	875.20	0.00	875.20	
MW-07-01 MNW	783852.37281	1010301.0847	899.21	899.21	898.94	A	6/27/2023 1224	18.55	880.39	0.00	880.39	
MW-07-02 MNW	784666.81836	1010644.8491	898.12	898.12	897.81	A	6/27/2023 1231	20.98	876.83	0.00	876.83	
MW-07-03 MNW	785056.7805	1010587.3720	898.9	898.90	898.58	A	6/27/2023 1449	22.04	876.54	0.00	876.54	
MW-07-04 MNW	784104.04104	1010105.6539	903.22	903.22	902.79	A	6/27/2023 1240	26.24	876.55	0.00	876.55	
MW-07-05 MNW	784388.95257	1009963.7687	904.95	904.95	904.72	A	6/27/2023 1439	28.16	876.56	0.00	876.56	
MW-07-06 MNW	784227.31447	1009679.0257	904.05	904.05	903.76	A	6/27/2023 1418	27.33	876.43	0.00	876.43	
MW-07-07 MNW	785405.03419	1009840.5590	894.01	894.01	893.75	A	6/27/2023 1517	33.60	860.15	0.00	860.15	
MW-07-08 MNW	784830.89057	1009599.5579	895.88	895.88	895.66	A	6/27/2023 1507	21.03	874.63	0.00	874.63	
MW-07-09 MNW	784711.92403	1008598.1021	853.33	853.33	853.03	A	6/27/2023 1548	16.27	836.76	0.00	836.76	
MW-07-10 MNW	785289.03552	1008837.5839	856.88	856.88	856.40	A	6/27/2023 1537	19.84	836.56	0.00	836.56	
MW-07-11 MNW	785744.55109	1009121.4373	857.57	857.57	857.12	A	6/27/2023 1530	20.60	836.52	0.00	836.52	

NM - No Measurement

Geologic Zone:
A Aquifer

Type:
MNW Monitoring Well
PZ Piezometer

Elevations listed are above mean sea level (NAVD 88).

TABLE 1
C.A.E. ELECTRONICS SITE
GROUNDWATER ELEVATIONS

Location ID / Type	Northing	Easting	Ground Elevation (ft)	Casing Elevation (ft)	Meas.point (Riser)Elev.(ft)	Geol. Zone	Date / Time	Depth to Water (ft)	Water Elev. (ft)	Product Thick. (ft)	Corrected Water Elev. (ft)	Remark
MW-07R MNW	783368.052	1009239.301	897.18	897.18	896.58	A	6/27/2023 0000	NM	-	NM	-	Well appears to have been inadvertently decommissioned.
MW-09 MNW	783434.54	1009930.42	902.1	902.78	901.82	A	6/27/2023 1153	22.48	879.34	0.00	879.34	
MW-10 MNW	783110.32	1009908.28	901.2	903.43	903.31	A	6/27/2023 1142	19.50	883.81	0.00	883.81	
MW-11 MNW	783091.739	1009374.519	898.70	900.07	899.63	A	6/27/2023 1132	23.93	875.70	0.00	875.70	
MW-15 MNW	783688.49	1009313.79	899.3	899.34	898.91	A	6/27/2023 1255	23.78	875.13	0.00	875.13	
MW-17 MNW	783603.343	1008899.825	NA	NA	898.02	A	6/27/2023 1348	28.65	869.37	0.00	869.37	
MW-20 MNW	784255.312	1009355.534	NA	NA	901.46	A	6/27/2023 1428	27.02	874.44	0.00	874.44	
MW-21 MNW	783341.391	1008608.369	899.75	899.84	899.68	A	6/27/2023 0000	NM	-	NM	-	Well paved over.
MW-22 MNW	783205.52	1009557.49	900.50	902.48	902.41	A	6/27/2023 1117	25.40	877.01	0.00	877.01	
MW-25 MNW	784281.169	1008519.761	NA	NA	854.26	A	6/27/2023 1555	7.48	846.78	0.00	846.78	
MW-26 MNW	782806.175	1010342.789	NA	NA	911.44	A	6/27/2023 1213	14.95	896.49	0.00	896.49	
MW-27 MNW	785233.10	1009349.92	891.0	890.97	890.37	A	6/27/2023 1524	26.53	863.84	0.00	863.84	

NM - No Measurement

Geologic Zone:
A Aquifer

Type:
MNW Monitoring Well
PZ Piezometer

Elevations listed are above mean sea level (NAVD 88).

TABLE 1
C.A.E. ELECTRONICS SITE
GROUNDWATER ELEVATIONS

Location ID / Type	Northing	Easting	Ground Elevation (ft)	Casing Elevation (ft)	Meas.point (Riser)Elev.(ft)	Geol. Zone	Date / Time	Depth to Water (ft)	Water Elev. (ft)	Product Thick. (ft)	Corrected Water Elev. (ft)	Remark
MW-28R MNW	783673.1878	1009923.4735	901.5	901.50	900.93	A	6/27/2023 1158	21.65	879.28	0.00	879.28	
NW-04 MNW	783028.903	1008747.260	897.1	897.10	896.44	A	6/27/2023 1330	27.30	869.14	0.00	869.14	
NW-05 MNW	783528.861	1008866.379	899.16	899.16	898.77	A	6/27/2023 1401	29.45	869.32	0.00	869.32	
NW-06 MNW	783574.210	1008532.173	887.56	887.56	887.15	A	6/27/2023 1609	22.38	864.77	0.00	864.77	

NM - No Measurement

Geologic Zone:
A Aquifer

Type:
MNW Monitoring Well
PZ Piezometer

Elevations listed are above mean sea level (NAVD 88).

TABLE 2
C.A.E. ELECTRONICS SITE
GROUNDWATER ANALYTICAL RESULTS SUMMARY - DETECTED RESULTS ONLY
2023 SAMPLING EVENT WITH CORRESPONDING HISTORICAL DATA

Location ID			MW-06	MW-06	MW-06	MW-07-05	MW-07-05
Sample ID			MW-06	MW-06	MW-06	MW-07-05	MW-07-05
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Date Sampled			11/02/17	07/16/21	07/27/23	07/25/13	11/02/17
Parameter	Units	Criteria*					
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5					
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/L	5					
1,1,2-Trichloroethane	UG/L	1					0.23 J
1,1-Dichloroethene	UG/L	5					
1,2-Dichloroethene (cis)	UG/L	5	0.37 J				
Acetone	UG/L	50	2.3 BJ	14 J			1.8 J
Chloroform	UG/L	7					
Cyclohexane	UG/L	NS					
Tetrachloroethene	UG/L	5					
Toluene	UG/L	5	0.45 J				0.35 J
Trichloroethene	UG/L	5	12	11 J	1.4	1.9	1.2

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998 including January 1999 Errata, April 2000 and June 2004 Addenda, Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

J - The reported concentration is an estimated value.

B - The compound was found in the blank and sample.

Only Detected Results Reported.

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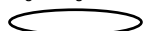
[LOGDATE] > #1/1/2013# AND [PRCODE] = 'VOA' AND [MATRIX] = 'WG' AND [LOCID] IN ('MW-06', 'MW-07-05', 'MW-07-06', 'MW-07-08', 'MW-07-09', 'MW-10', 'MW-11', 'MW-15', 'MW-17', 'MW-20', 'MW-25', 'MW-26', 'MW-28R', 'NW-04', 'NW-05', 'NW-06')

TABLE 2
C.A.E. ELECTRONICS SITE
GROUNDWATER ANALYTICAL RESULTS SUMMARY - DETECTED RESULTS ONLY
2023 SAMPLING EVENT WITH CORRESPONDING HISTORICAL DATA

Location ID			MW-07-05	MW-07-05	MW-07-06	MW-07-06	MW-07-06
Sample ID			MW-07-05	MW-07-05	MW-07-06	MW-07-06	MW-07-06
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Date Sampled			-	-	-	-	-
Date Sampled			07/15/21	07/27/23	07/24/13	11/01/17	07/15/21
Parameter	Units	Criteria*					
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5					
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/L	5					
1,1,2-Trichloroethane	UG/L	1					
1,1-Dichloroethene	UG/L	5					
1,2-Dichloroethene (cis)	UG/L	5					
Acetone	UG/L	50	3.4 J			1.6 J	
Chloroform	UG/L	7					
Cyclohexane	UG/L	NS	0.32 J				0.35 J
Tetrachloroethene	UG/L	5					
Toluene	UG/L	5					
Trichloroethene	UG/L	5	0.78 J	0.45 J	3.6	1.0	0.56 J

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998 including January 1999 Errata, April 2000 and June 2004 Addenda, Class GA.

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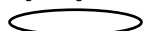
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TABLE 2
C.A.E. ELECTRONICS SITE
GROUNDWATER ANALYTICAL RESULTS SUMMARY - DETECTED RESULTS ONLY
2023 SAMPLING EVENT WITH CORRESPONDING HISTORICAL DATA

Location ID			MW-07-06	MW-07-08	MW-07-08	MW-07-08	MW-07-08
Sample ID			MW-07-06	FD-1-072513	MW-07-08	MW-07-08	MW-07-08
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Date Sampled			07/27/23	07/25/13	07/25/13	11/02/17	07/15/21
Parameter	Units	Criteria*		Field Duplicate (1-1)			
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5				0.34 J	
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/L	5					
1,1,2-Trichloroethane	UG/L	1				0.19 J	
1,1-Dichloroethene	UG/L	5					
1,2-Dichloroethene (cis)	UG/L	5					
Acetone	UG/L	50				3.1 J	
Chloroform	UG/L	7					
Cyclohexane	UG/L	NS					0.49 J
Tetrachloroethene	UG/L	5					
Toluene	UG/L	5					
Trichloroethene	UG/L	5	0.41 J	2.4	2.2	0.87 J	0.76 J

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998 including January 1999 Errata, April 2000 and June 2004 Addenda, Class GA.

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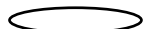
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TABLE 2
C.A.E. ELECTRONICS SITE
GROUNDWATER ANALYTICAL RESULTS SUMMARY - DETECTED RESULTS ONLY
2023 SAMPLING EVENT WITH CORRESPONDING HISTORICAL DATA

Location ID			MW-07-08	MW-07-09	MW-07-09	MW-07-09	MW-07-09
Sample ID			MW-07-08	MW-07-09	MW-07-09	MW-07-09	MW-07-09
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Date Sampled			-	-	-	-	-
Date Sampled			07/27/23	07/24/13	11/01/17	07/15/21	07/27/23
Parameter	Units	Criteria*					
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5					
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/L	5					
1,1,2-Trichloroethane	UG/L	1					
1,1-Dichloroethene	UG/L	5					
1,2-Dichloroethene (cis)	UG/L	5					
Acetone	UG/L	50			1.9 J	3.6 J	
Chloroform	UG/L	7					
Cyclohexane	UG/L	NS					
Tetrachloroethene	UG/L	5					
Toluene	UG/L	5			0.60 J		
Trichloroethene	UG/L	5	0.44 J		0.59 J		

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998 including January 1999 Errata, April 2000 and June 2004 Addenda, Class GA.

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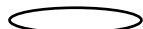
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TABLE 2
C.A.E. ELECTRONICS SITE
GROUNDWATER ANALYTICAL RESULTS SUMMARY - DETECTED RESULTS ONLY
2023 SAMPLING EVENT WITH CORRESPONDING HISTORICAL DATA

Location ID			MW-10	MW-10	MW-10	MW-10	MW-11
Sample ID			MW-10	MW-10	MW-10	MW-10	MW-11
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
			-	-	-	-	-
Date Sampled			07/25/13	11/02/17	07/16/21	07/27/23	07/25/13
Parameter	Units	Criteria*					
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5	3.0	1.6		0.37 J	1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/L	5					
1,1,2-Trichloroethane	UG/L	1					
1,1-Dichloroethene	UG/L	5					
1,2-Dichloroethene (cis)	UG/L	5					
Acetone	UG/L	50		1.8 J	3.3 J		
Chloroform	UG/L	7					
Cyclohexane	UG/L	NS					
Tetrachloroethene	UG/L	5		0.40 J			
Toluene	UG/L	5					
Trichloroethene	UG/L	5	3.2	1.8	0.86 J	0.54 J	1.4

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998 including January 1999 Errata, April 2000 and June 2004 Addenda, Class GA.

Flags assigned during chemistry validation are shown.



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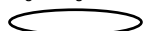
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TABLE 2
C.A.E. ELECTRONICS SITE
GROUNDWATER ANALYTICAL RESULTS SUMMARY - DETECTED RESULTS ONLY
2023 SAMPLING EVENT WITH CORRESPONDING HISTORICAL DATA

Location ID			MW-11	MW-11	MW-11	MW-15	MW-15
Sample ID			MW-11	MW-11	MW-11	MW-15	MW-15
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
			-	-	-	-	-
Date Sampled			11/02/17	07/16/21	07/27/23	07/25/13	11/02/17
Parameter	Units	Criteria*					
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5	0.83 J		0.42 J		0.48 J
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/L	5					
1,1,2-Trichloroethane	UG/L	1					
1,1-Dichloroethene	UG/L	5					
1,2-Dichloroethene (cis)	UG/L	5					
Acetone	UG/L	50	3.0 BJ	4.5 J			2.0 J
Chloroform	UG/L	7					
Cyclohexane	UG/L	NS					
Tetrachloroethene	UG/L	5					
Toluene	UG/L	5					
Trichloroethene	UG/L	5	1.8	2.3	0.79 J	1.6	0.76 J

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998 including January 1999 Errata, April 2000 and June 2004 Addenda, Class GA.

Flags assigned during chemistry validation are shown.



Concentration Exceeds Criteria

J - The reported concentration is an estimated value.

B - The compound was found in the blank and sample.

Only Detected Results Reported.

TABLE 2
C.A.E. ELECTRONICS SITE
GROUNDWATER ANALYTICAL RESULTS SUMMARY - DETECTED RESULTS ONLY
2023 SAMPLING EVENT WITH CORRESPONDING HISTORICAL DATA

Location ID			MW-15	MW-15	MW-17	MW-17	MW-17
Sample ID			MW-15	MW-15	MW-17	FD-110217-2	MW-17
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Date Sampled			07/16/21	07/27/23	07/25/13	11/02/17	11/02/17
Parameter	Units	Criteria*				Field Duplicate (1-1)	
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5		0.20 J	4.9	3.5	2.2
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/L	5					
1,1,2-Trichloroethane	UG/L	1			1.6	1.1	1.0
1,1-Dichloroethene	UG/L	5			3.7	1.7	1.0
1,2-Dichloroethene (cis)	UG/L	5				0.35 J	0.36 J
Acetone	UG/L	50	3.1 J			2.8 J	
Chloroform	UG/L	7					
Cyclohexane	UG/L	NS	0.22 J				
Tetrachloroethene	UG/L	5					
Toluene	UG/L	5					
Trichloroethene	UG/L	5	0.56 J	0.41 J	190	67	41

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998 including January 1999 Errata, April 2000 and June 2004 Addenda, Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

J - The reported concentration is an estimated value.

B - The compound was found in the blank and sample.

Only Detected Results Reported.

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[LOGDATE] > #1/1/2013# AND [PRCCODE] = 'VOA' AND [MATRIX] = 'WG' AND [LOCID] IN ('MW-06', 'MW-07-05', 'MW-07-06', 'MW-07-08', 'MW-07-09', 'MW-10', 'MW-11', 'MW-15', 'MW-17', 'MW-20', 'MW-25', 'MW-26', 'MW-28R', 'NW-04', 'NW-05', 'NW-06')

TABLE 2
C.A.E. ELECTRONICS SITE
GROUNDWATER ANALYTICAL RESULTS SUMMARY - DETECTED RESULTS ONLY
2023 SAMPLING EVENT WITH CORRESPONDING HISTORICAL DATA

Location ID			MW-17	MW-17	MW-17	MW-17	MW-20
Sample ID			FD-071621	MW-17	FD-270723	MW-17	MW-20
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Date Sampled			07/16/21	07/16/21	07/27/23	07/27/23	07/25/13
Parameter	Units	Criteria*	Field Duplicate (1-1)		Field Duplicate (1-1)		
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5	2.8	2.6	2.1	2.1	
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/L	5					
1,1,2-Trichloroethane	UG/L	1	1.1	1.2	0.77 J	0.82 J	
1,1-Dichloroethene	UG/L	5			2.1	1.9	
1,2-Dichloroethene (cis)	UG/L	5				0.32 J	
Acetone	UG/L	50	20 J	19 J		3.3 J	
Chloroform	UG/L	7					
Cyclohexane	UG/L	NS	0.23 J	0.28 J			
Tetrachloroethene	UG/L	5					
Toluene	UG/L	5					
Trichloroethene	UG/L	5	36	35	38	38	12

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998 including January 1999 Errata, April 2000 and June 2004 Addenda, Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

J - The reported concentration is an estimated value.

B - The compound was found in the blank and sample.

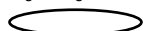
Only Detected Results Reported.

TABLE 2
C.A.E. ELECTRONICS SITE
GROUNDWATER ANALYTICAL RESULTS SUMMARY - DETECTED RESULTS ONLY
2023 SAMPLING EVENT WITH CORRESPONDING HISTORICAL DATA

Location ID			MW-20	MW-20	MW-20	MW-25	MW-25
Sample ID			MW-20	MW-20	MW-20	MW-25	MW-25
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
			-	-	-	-	-
Date Sampled			11/01/17	07/15/21	07/27/23	07/24/13	11/01/17
Parameter	Units	Criteria*					
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5					0.47 J
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/L	5					
1,1,2-Trichloroethane	UG/L	1	0.16 J				0.19 J
1,1-Dichloroethene	UG/L	5					
1,2-Dichloroethene (cis)	UG/L	5					
Acetone	UG/L	50					1.2 J
Chloroform	UG/L	7					
Cyclohexane	UG/L	NS		0.31 J			
Tetrachloroethene	UG/L	5					
Toluene	UG/L	5					
Trichloroethene	UG/L	5	0.90 J	0.53 J	0.30 J	2.6	1.3

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998 including January 1999 Errata, April 2000 and June 2004 Addenda, Class GA.

Flags assigned during chemistry validation are shown.



Concentration Exceeds Criteria

J - The reported concentration is an estimated value.

B - The compound was found in the blank and sample.

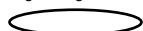
Only Detected Results Reported.

TABLE 2
C.A.E. ELECTRONICS SITE
GROUNDWATER ANALYTICAL RESULTS SUMMARY - DETECTED RESULTS ONLY
2023 SAMPLING EVENT WITH CORRESPONDING HISTORICAL DATA

Location ID			MW-25	MW-25	MW-26	MW-26	MW-28R
Sample ID			MW-25	MW-25	MW-26	MW-26	MW-28R
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Date Sampled			-	-	-	-	-
Date Sampled			07/15/21	07/27/23	07/16/21	07/27/23	07/25/13
Parameter	Units	Criteria*					
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5		0.25 J			
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/L	5					
1,1,2-Trichloroethane	UG/L	1					
1,1-Dichloroethene	UG/L	5					
1,2-Dichloroethene (cis)	UG/L	5					
Acetone	UG/L	50	8.5 J				
Chloroform	UG/L	7					
Cyclohexane	UG/L	NS	1.0				
Tetrachloroethene	UG/L	5					
Toluene	UG/L	5					
Trichloroethene	UG/L	5	1.3	0.75 J			1.8

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998 including January 1999 Errata, April 2000 and June 2004 Addenda, Class GA.

Flags assigned during chemistry validation are shown.



Concentration Exceeds Criteria

J - The reported concentration is an estimated value.

B - The compound was found in the blank and sample.

Only Detected Results Reported.

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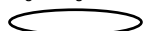
[LOGDATE] > #1/1/2013# AND [PRCODE] = 'VOA' AND [MATRIX] = 'WG' AND [LOCID] IN ('MW-06', 'MW-07-05', 'MW-07-06', 'MW-07-08', 'MW-07-09', 'MW-10', 'MW-11', 'MW-15', 'MW-17', 'MW-20', 'MW-25', 'MW-26', 'MW-28R', 'NW-04', 'NW-05', 'NW-06')

TABLE 2
C.A.E. ELECTRONICS SITE
GROUNDWATER ANALYTICAL RESULTS SUMMARY - DETECTED RESULTS ONLY
2023 SAMPLING EVENT WITH CORRESPONDING HISTORICAL DATA

Location ID			MW-28R	MW-28R	MW-28R	NW-04	NW-05
Sample ID			MW-28R	MW-28R	MW-28R	MW-04	NW-05
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Date Sampled			11/02/17	07/16/21	07/27/23	07/27/23	07/25/13
Parameter	Units	Criteria*					
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5				0.51 J	
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/L	5				1.5	
1,1,2-Trichloroethane	UG/L	1					
1,1-Dichloroethene	UG/L	5					
1,2-Dichloroethene (cis)	UG/L	5					
Acetone	UG/L	50	1.9 J	5.2 J			
Chloroform	UG/L	7					
Cyclohexane	UG/L	NS		0.28 J			
Tetrachloroethene	UG/L	5					
Toluene	UG/L	5					
Trichloroethene	UG/L	5	1.1	0.58 J	0.51 J	0.27 J	

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998 including January 1999 Errata, April 2000 and June 2004 Addenda, Class GA.

Flags assigned during chemistry validation are shown.



Concentration Exceeds Criteria

J - The reported concentration is an estimated value.

B - The compound was found in the blank and sample.

Only Detected Results Reported.

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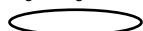
[LOGDATE] > #1/1/2013# AND [PRCCODE] = 'VOA' AND [MATRIX] = 'WG' AND [LOCID] IN ('MW-06', 'MW-07-05', 'MW-07-06', 'MW-07-08', 'MW-07-09', 'MW-10', 'MW-11', 'MW-15', 'MW-17', 'MW-20', 'MW-25', 'MW-26', 'MW-28R', 'NW-04', 'NW-05', 'NW-06')

TABLE 2
C.A.E. ELECTRONICS SITE
GROUNDWATER ANALYTICAL RESULTS SUMMARY - DETECTED RESULTS ONLY
2023 SAMPLING EVENT WITH CORRESPONDING HISTORICAL DATA

Location ID			NW-05	NW-05	NW-05	NW-06	NW-06
Sample ID			NW-05	NW-05	NW-05	NW-06	NW-06
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
			-	-	-	-	-
Date Sampled			11/02/17	07/16/21	07/27/23	07/24/13	11/01/17
Parameter	Units	Criteria*					
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5			0.43 J	1.4	0.63 J
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/L	5		2.2	2.1	4.8	1.1
1,1,2-Trichloroethane	UG/L	1					
1,1-Dichloroethene	UG/L	5					
1,2-Dichloroethene (cis)	UG/L	5					
Acetone	UG/L	50	2.1 J				4.2 J
Chloroform	UG/L	7	0.23 J				
Cyclohexane	UG/L	NS		0.61 J			
Tetrachloroethene	UG/L	5					
Toluene	UG/L	5	0.30 J				
Trichloroethene	UG/L	5	0.31 J	0.71 J	0.64 J	1.1	0.50 J

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998 including January 1999 Errata, April 2000 and June 2004 Addenda, Class GA.

Flags assigned during chemistry validation are shown.



Concentration Exceeds Criteria

J - The reported concentration is an estimated value.

B - The compound was found in the blank and sample.

Only Detected Results Reported.

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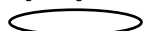
[LOGDATE] > #1/1/2013# AND [PRCCODE] = 'VOA' AND [MATRIX] = 'WG' AND [LOCID] IN ('MW-06', 'MW-07-05', 'MW-07-06', 'MW-07-08', 'MW-07-09', 'MW-10', 'MW-11', 'MW-15', 'MW-17', 'MW-20', 'MW-25', 'MW-26', 'MW-28R', 'NW-04', 'NW-05', 'NW-06')

TABLE 2
C.A.E. ELECTRONICS SITE
GROUNDWATER ANALYTICAL RESULTS SUMMARY - DETECTED RESULTS ONLY
2023 SAMPLING EVENT WITH CORRESPONDING HISTORICAL DATA

Location ID			NW-06	NW-06
Sample ID			NW-06	NW-06
Matrix			Groundwater	Groundwater
			-	-
Date Sampled			07/15/21	07/27/23
Parameter	Units	Criteria*		
Volatile Organic Compounds				
1,1,1-Trichloroethane	UG/L	5		0.54 J
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/L	5	1.1	0.93 J
1,1,2-Trichloroethane	UG/L	1		
1,1-Dichloroethene	UG/L	5		
1,2-Dichloroethene (cis)	UG/L	5		
Acetone	UG/L	50		
Chloroform	UG/L	7		
Cyclohexane	UG/L	NS	0.28 J	
Tetrachloroethene	UG/L	5		
Toluene	UG/L	5		
Trichloroethene	UG/L	5	0.75 J	0.47 J

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998 including January 1999 Errata, April 2000 and June 2004 Addenda, Class GA.

Flags assigned during chemistry validation are shown.



Concentration Exceeds Criteria

J - The reported concentration is an estimated value.

B - The compound was found in the blank and sample.

Only Detected Results Reported.

APPENDIX A

WELL SAMPLING LOG

Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: CAE Electronics Site - NYSDEC 704015
2. Location: Hillcrest, NY
3. Well Designation: MW-06
4. Well Permit Number: _____

5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☒ Stick Up ☐ Flush Mount
7. Location of Measuring Point: ☐ Top of Casing ☒ Other (specify) Top of Riser
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PDBS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.
Distance between measuring point and ground surface (ft.) _____
9. Total Well Depth (fbgs) 42.35 well silted in
10. Screened interval/open hole (fbgs) 40-55
11. Well Casing: Diameter: 2" Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2" Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size 0.010"

14. Date and Time of Deployment Date: 6/27/23 Time: 11:18
15. Depth to Ground Water Depth to ground water at time of deployment 24.97
16. Date and Time of Retrieval Date: 7/27/23 Time: 10:55
17. Depth to Ground Water Depth to ground water at time of retrieval 24.25
18. Type of Deployment Line Used Diameter: 3/16" Material: Poly

19. Material and Mass (oz.) of PDBS Weight 8oz Stainless Steel (stainless steel recommended)
 20. Type of PDBS Used ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
 21. Dimensions of PDBS Length (in.) 18 Diameter (in.) 1.75 Filled 350 ml
 22. Position of PDBS Weight ☐ Attached to bottom of PDBS and suspended in well
☐ Attached to bottom of deployment line and suspended in well
☒ Attached to bottom of deployment line and resting on bottom of well (preferred)
 23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)
- | 1st PDBS | 2nd PDBS | 3rd PDBS | 4th PDBS |
|-------------|----------|----------|----------|
| <u>41.5</u> | | | |
| 5th PDBS | 6th PDBS | 7th PDBS | 8th PDBS |
| | | | |

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
☒ ~~No, this well is being profiled during this sampling round.~~
☐ Yes, this well was profiled already. Date when well was profiled: _____

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
☒ No, flow testing has not been conducted in this well
☐ Yes, flow testing of this well was conducted. Date of testing: _____
Type of flow meter used: _____
Measurements taken every _____ feet [Please Attach Results]

26. Weather Conditions During Deployment Temp. 70°F Wind Light ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp. 76°F Wind Light ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)
- | Name | Company |
|-------------------------|--------------|
| <u>Robert J. Murphy</u> | <u>AECOM</u> |
| <u>Thomas J. Urban</u> | <u>AECOM</u> |

WELL SAMPLING LOG

Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: CAE Electronics Site - NYSDEC 704015
2. Location: Hillcrest, NY
3. Well Designation: MW-10
4. Well Permit Number: _____

5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☒ Stick Up ☐ Flush Mount
7. Location of Measuring Point: ☐ Top of Casing ☒ Other (specify) Top of Riser
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PDBS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.
Distance between measuring point and ground surface (ft.) _____
9. Total Well Depth (fbgs) 32.50
10. Screened interval/open hole (fbgs) 15-30
11. Well Casing: Diameter: 2" Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2" Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size 0.010"

14. Date and Time of Deployment Date: 6/27/23 Time: 11:42
15. Depth to Ground Water Depth to ground water at time of deployment 19.50
16. Date and Time of Retrieval Date: 7/27/23 Time: 11:15
17. Depth to Ground Water Depth to ground water at time of retrieval 19.52
18. Type of Deployment Line Used Diameter: 3/16" Material: Poly

19. Material and Mass (oz.) of PDBS Weight 8oz Stainless Steel (stainless steel recommended)
 20. Type of PDBS Used ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
 21. Dimensions of PDBS Length (in.) 18 Diameter (in.) 1.75 Filled 350 ml
 22. Position of PDBS Weight ☐ Attached to bottom of PDBS and suspended in well
☐ Attached to bottom of deployment line and suspended in well
☒ Attached to bottom of deployment line and resting on bottom of well (preferred)
 23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)
- | 1st PDBS | 2nd PDBS | 3rd PDBS | 4th PDBS |
|-------------|----------|----------|----------|
| <u>24.8</u> | | | |
| 5th PDBS | 6th PDBS | 7th PDBS | 8th PDBS |
| | | | |

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
☒ **No**, this well is being profiled during this sampling round -
☐ **Yes**, this well was profiled already. Date when well was profiled: _____

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
☒ **No**, flow testing has not been conducted in this well
☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
Type of flow meter used: _____
Measurements taken every _____ feet **[Please Attach Results]**

26. Weather Conditions During Deployment Temp. 70°F Wind Light ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp. 76°F Wind Light ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)
- | Name | Company |
|-------------------------|--------------|
| <u>Robert J. Murphy</u> | <u>AECOM</u> |
| <u>Thomas J. Urban</u> | <u>AECOM</u> |

WELL SAMPLING LOG

Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: CAE Electronics Site - NYSDEC 704015
2. Location: Hillcrest, NY
3. Well Designation: MW-11
4. Well Permit Number: _____

5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☒ Stick Up ☐ Flush Mount
7. Location of Measuring Point: ☐ Top of Casing ☒ Other (specify) Top of Riser
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PDBS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.
Distance between measuring point and ground surface (ft.) _____
9. Total Well Depth (fbgs) 39.00
10. Screened interval/open hole (fbgs) 25-40
11. Well Casing: Diameter: 2" Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2" Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size 0.010"

14. Date and Time of Deployment Date: 6/27/23 Time: 11:32
15. Depth to Ground Water Depth to ground water at time of deployment 23.93
16. Date and Time of Retrieval Date: 7/27/23 Time: 11:05
17. Depth to Ground Water Depth to ground water at time of retrieval 22.88
18. Type of Deployment Line Used Diameter: 3/16" Material: Poly

19. Material and Mass (oz.) of PDBS Weight 8oz Stainless Steel (stainless steel recommended)
 20. Type of PDBS Used ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
 21. Dimensions of PDBS Length (in.) 18 Diameter (in.) 1.75 Filled 350 ml
 22. Position of PDBS Weight ☐ Attached to bottom of PDBS and suspended in well
☐ Attached to bottom of deployment line and suspended in well
☒ Attached to bottom of deployment line and resting on bottom of well (preferred)
 23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)
- | 1st PDBS | 2nd PDBS | 3rd PDBS | 4th PDBS |
|-------------|----------|----------|----------|
| <u>31.5</u> | | | |
| 5th PDBS | 6th PDBS | 7th PDBS | 8th PDBS |
| | | | |

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
☒ No, this well is being profiled during this sampling round -
☐ Yes, this well was profiled already. Date when well was profiled: _____

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
☒ No, flow testing has not been conducted in this well
☐ Yes, flow testing of this well was conducted. Date of testing: _____
Type of flow meter used: _____
Measurements taken every _____ feet **[Please Attach Results]**

26. Weather Conditions During Deployment Temp. 70°F Wind Light ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp. 76°F Wind Light ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)
- | Name | Company |
|-------------------------|--------------|
| <u>Robert J. Murphy</u> | <u>AECOM</u> |
| <u>Thomas J. Urban</u> | <u>AECOM</u> |

WELL SAMPLING LOG

Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: CAE Electronics Site - NYSDEC 704015
2. Location: Hillcrest, NY
3. Well Designation: MW-15
4. Well Permit Number: _____

5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☐ Top of Casing ☒ Other (specify) Top of Riser
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PDBS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.
Distance between measuring point and ground surface (ft.) _____
9. Total Well Depth (fbgs) 39.35
10. Screened interval/open hole (fbgs) 25-40
11. Well Casing: Diameter: 2" Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2" Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size 0.010"

14. Date and Time of Deployment Date: 6/27/23 Time: 12:55
15. Depth to Ground Water Depth to ground water at time of deployment 23.78
16. Date and Time of Retrieval Date: 7/27/23 Time: 12:10
17. Depth to Ground Water Depth to ground water at time of retrieval 23.26
18. Type of Deployment Line Used Diameter: 3/16" Material: Poly

19. Material and Mass (oz.) of PDBS Weight 8oz Stainless Steel (stainless steel recommended)
 20. Type of PDBS Used ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
 21. Dimensions of PDBS Length (in.) 18 Diameter (in.) 1.75 Filled 350 ml
 22. Position of PDBS Weight ☐ Attached to bottom of PDBS and suspended in well
☐ Attached to bottom of deployment line and suspended in well
☒ Attached to bottom of deployment line and resting on bottom of well (preferred)
 23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)
- | 1st PDBS | 2nd PDBS | 3rd PDBS | 4th PDBS |
|-------------|----------|----------|----------|
| <u>31.5</u> | | | |
| 5th PDBS | 6th PDBS | 7th PDBS | 8th PDBS |
| | | | |

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
☒ No, this well is being profiled during this sampling round -
☐ Yes, this well was profiled already. Date when well was profiled: _____

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
☒ No, flow testing has not been conducted in this well
☐ Yes, flow testing of this well was conducted. Date of testing: _____
Type of flow meter used: _____
Measurements taken every _____ feet [Please Attach Results]

26. Weather Conditions During Deployment Temp. 71°F Wind Light ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp. 75°F Wind Light ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)
- | Name | Company |
|-------------------------|--------------|
| <u>Robert J. Murphy</u> | <u>AECOM</u> |
| <u>Thomas J. Urban</u> | <u>AECOM</u> |

WELL SAMPLING LOG

Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: CAE Electronics Site - NYSDEC 704015
2. Location: Hillcrest, NY
3. Well Designation: MW-17
4. Well Permit Number: _____

5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☐ Top of Casing ☒ Other (specify) Top of Riser
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PDBS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.
Distance between measuring point and ground surface (ft.) _____
9. Total Well Depth (fbgs) 43.70
10. Screened interval/open hole (fbgs) 30-45
11. Well Casing: Diameter: 2" Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2" Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size 0.010"

14. Date and Time of Deployment Date: 6/27/23 Time: 13:48
15. Depth to Ground Water Depth to ground water at time of deployment 28.65
16. Date and Time of Retrieval Date: 7/27/23 Time: 14:30
17. Depth to Ground Water Depth to ground water at time of retrieval 28.36
18. Type of Deployment Line Used Diameter: 3/16" Material: Poly

19. Material and Mass (oz.) of PDBS Weight 8oz Stainless Steel (stainless steel recommended)
 20. Type of PDBS Used ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
 21. Dimensions of PDBS Length (in.) 18 Diameter (in.) 1.75 Filled 350 ml
 22. Position of PDBS Weight ☐ Attached to bottom of PDBS and suspended in well
☐ Attached to bottom of deployment line and suspended in well
☒ Attached to bottom of deployment line and resting on bottom of well (preferred)
 23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)
- | 1st PDBS | 2nd PDBS | 3rd PDBS | 4th PDBS |
|-------------|----------|----------|----------|
| <u>36.0</u> | | | |
| 5th PDBS | 6th PDBS | 7th PDBS | 8th PDBS |
| | | | |

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
☒ ~~No, this well is being profiled during this sampling round.~~
☐ Yes, this well was profiled already. Date when well was profiled: _____

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
☒ No, flow testing has not been conducted in this well
☐ Yes, flow testing of this well was conducted. Date of testing: _____
Type of flow meter used: _____
Measurements taken every _____ feet **[Please Attach Results]**

26. Weather Conditions During Deployment Temp. 72°F Wind Light ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp. 77°F Wind Light ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)
- | Name | Company |
|-------------------------|--------------|
| <u>Robert J. Murphy</u> | <u>AECOM</u> |
| <u>Thomas J. Urban</u> | <u>AECOM</u> |

WELL SAMPLING LOG

Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: CAE Electronics Site - NYSDEC 704015
2. Location: Hillcrest, NY
3. Well Designation: MW-20
4. Well Permit Number: _____

5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☐ Top of Casing ☒ Other (specify) Top of Riser
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PDBS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.
Distance between measuring point and ground surface (ft.) _____
9. Total Well Depth (fbgs) 36.50
10. Screened interval/open hole (fbgs) 35-40
11. Well Casing: Diameter: 2" Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2" Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size 0.010"

14. Date and Time of Deployment Date: 6/27/23 Time: 14:28
15. Depth to Ground Water Depth to ground water at time of deployment 27.02
16. Date and Time of Retrieval Date: 7/27/23 Time: 12:25
17. Depth to Ground Water Depth to ground water at time of retrieval 26.82
18. Type of Deployment Line Used Diameter: 3/16" Material: Poly

19. Material and Mass (oz.) of PDBS Weight 8oz Stainless Steel (stainless steel recommended)
20. Type of PDBS Used ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter (in.) 1.75 Filled 350 ml
22. Position of PDBS Weight ☐ Attached to bottom of PDBS and suspended in well
☐ Attached to bottom of deployment line and suspended in well
☒ Attached to bottom of deployment line and resting on bottom of well (preferred)
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)
- | 1st PDBS | 2nd PDBS | 3rd PDBS | 4th PDBS |
|-------------|----------|----------|----------|
| <u>35.0</u> | _____ | _____ | _____ |
| 5th PDBS | 6th PDBS | 7th PDBS | 8th PDBS |
| _____ | _____ | _____ | _____ |

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
☒ ~~No, this well is being profiled during this sampling round.~~
☐ Yes, this well was profiled already. Date when well was profiled: _____

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
☒ No, flow testing has not been conducted in this well
☐ Yes, flow testing of this well was conducted. Date of testing: _____
Type of flow meter used: _____
Measurements taken every _____ feet [Please Attach Results]

26. Weather Conditions During Deployment Temp. 72°F Wind Light ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp. 75°F Wind Light ☐ Sunny ☒ Overcast ☒ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name
Robert J. Murphy

Company
AECOM

Thomas J. Urban

AECOM

WELL SAMPLING LOG

Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: CAE Electronics Site - NYSDEC 704015
2. Location: Hillcrest, NY
3. Well Designation: MW-25
4. Well Permit Number: _____

5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☐ Top of Casing ☒ Other (specify) Top of Riser
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PDBS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.
Distance between measuring point and ground surface (ft.) _____
9. Total Well Depth (fbgs) 24.22
10. Screened interval/open hole (fbgs) 19-24
11. Well Casing: Diameter: 2" Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2" Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size 0.010"

14. Date and Time of Deployment Date: 6/27/23 Time: 15:55
15. Depth to Ground Water Depth to ground water at time of deployment 7.48
16. Date and Time of Retrieval Date: 7/27/23 Time: 13:55
17. Depth to Ground Water Depth to ground water at time of retrieval 7.32
18. Type of Deployment Line Used Diameter: 3/16" Material: Poly

19. Material and Mass (oz.) of PDBS Weight 8oz Stainless Steel (stainless steel recommended)
 20. Type of PDBS Used ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
 21. Dimensions of PDBS Length (in.) 18 Diameter (in.) 1.75 Filled 350 ml
 22. Position of PDBS Weight ☐ Attached to bottom of PDBS and suspended in well
☐ Attached to bottom of deployment line and suspended in well
☒ Attached to bottom of deployment line and resting on bottom of well (preferred)
 23. Position of PDBS in Well Screen
(ft. from measuring point to center of PDBS)
- | 1st PDBS | 2nd PDBS | 3rd PDBS | 4th PDBS |
|-------------|----------|----------|----------|
| <u>21.5</u> | | | |
| 5th PDBS | 6th PDBS | 7th PDBS | 8th PDBS |
| | | | |

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
☒ No, this well is being profiled during this sampling round -
☐ Yes, this well was profiled already. Date when well was profiled: _____

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
☒ No, flow testing has not been conducted in this well
☐ Yes, flow testing of this well was conducted. Date of testing: _____
Type of flow meter used: _____
Measurements taken every _____ feet **[Please Attach Results]**

26. Weather Conditions During Deployment Temp. 74°F Wind Light ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp. 71°F Wind Light ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)
- | Name | Company |
|-------------------------|--------------|
| <u>Robert J. Murphy</u> | <u>AECOM</u> |
| <u>Thomas J. Urban</u> | <u>AECOM</u> |

WELL SAMPLING LOG

Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: CAE Electronics Site - NYSDEC 704015
2. Location: Hillcrest, NY
3. Well Designation: MW-26
4. Well Permit Number: _____

5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☐ Top of Casing ☒ Other (specify) Top of Riser
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PDBS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.
Distance between measuring point and ground surface (ft.) _____
9. Total Well Depth (fbgs) 26.97
10. Screened interval/open hole (fbgs) unknown
11. Well Casing: Diameter: 2" Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2" Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size 0.010"

14. Date and Time of Deployment Date: 6/27/23 Time: 12:13
15. Depth to Ground Water Depth to ground water at time of deployment 14.95
16. Date and Time of Retrieval Date: 7/27/23 Time: 11:55
17. Depth to Ground Water Depth to ground water at time of retrieval 15.81
18. Type of Deployment Line Used Diameter: 3/16" Material: Poly

19. Material and Mass (oz.) of PDBS Weight 8oz Stainless Steel (stainless steel recommended)
 20. Type of PDBS Used ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
 21. Dimensions of PDBS Length (in.) 18 Diameter (in.) 1.75 Filled 350 ml
 22. Position of PDBS Weight ☐ Attached to bottom of PDBS and suspended in well
☐ Attached to bottom of deployment line and suspended in well
☒ Attached to bottom of deployment line and resting on bottom of well (preferred)
 23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)
- | 1st PDBS | 2nd PDBS | 3rd PDBS | 4th PDBS |
|-------------|----------|----------|----------|
| <u>24.5</u> | | | |
| 5th PDBS | 6th PDBS | 7th PDBS | 8th PDBS |
| | | | |

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
☒ ~~No, this well is being profiled during this sampling round.~~
☐ Yes, this well was profiled already. Date when well was profiled: _____

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
☒ No, flow testing has not been conducted in this well
☐ Yes, flow testing of this well was conducted. Date of testing: _____
Type of flow meter used: _____
Measurements taken every _____ feet **[Please Attach Results]**

26. Weather Conditions During Deployment Temp. 70°F Wind Light ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp. 77°F Wind Light ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)
- | Name | Company |
|-------------------------|--------------|
| <u>Robert J. Murphy</u> | <u>AECOM</u> |
| <u>Thomas J. Urban</u> | <u>AECOM</u> |

WELL SAMPLING LOG

Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: CAE Electronics Site - NYSDEC 704015
2. Location: Hillcrest, NY
3. Well Designation: MW-28R
4. Well Permit Number: _____

5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☐ Top of Casing ☒ Other (specify) Top of Riser
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PDBS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.
Distance between measuring point and ground surface (ft.) _____
9. Total Well Depth (fbgs) 30.45
10. Screened interval/open hole (fbgs) 16-31
11. Well Casing: Diameter: 2" Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2" Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size 0.010"

14. Date and Time of Deployment Date: 6/27/23 Time: 11:58
15. Depth to Ground Water Depth to ground water at time of deployment 21.65
16. Date and Time of Retrieval Date: 7/27/23 Time: 11:40
17. Depth to Ground Water Depth to ground water at time of retrieval 21.23
18. Type of Deployment Line Used Diameter: 3/16" Material: Poly

19. Material and Mass (oz.) of PDBS Weight 8oz Stainless Steel (stainless steel recommended)
20. Type of PDBS Used ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter (in.) 1.75 Filled 350 ml
22. Position of PDBS Weight ☐ Attached to bottom of PDBS and suspended in well
☐ Attached to bottom of deployment line and suspended in well
☒ Attached to bottom of deployment line and resting on bottom of well (preferred)
23. Position of PDBS in Well Screen
- | 1st PDBS | 2nd PDBS | 3rd PDBS | 4th PDBS |
|-------------|----------|----------|----------|
| <u>26.0</u> | | | |
| 5th PDBS | 6th PDBS | 7th PDBS | 8th PDBS |
| | | | |
- (ft. from measuring point to center of PDBS)

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
☒ No, this well is being profiled during this sampling round -
☐ Yes, this well was profiled already. Date when well was profiled: _____

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
☒ No, flow testing has not been conducted in this well
☐ Yes, flow testing of this well was conducted. Date of testing: _____
Type of flow meter used: _____
Measurements taken every _____ feet [Please Attach Results]

26. Weather Conditions During Deployment Temp. 70°F Wind Light ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp. 76°F Wind Light ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)
- | Name | Company |
|-------------------------|--------------|
| <u>Robert J. Murphy</u> | <u>AECOM</u> |
| <u>Thomas J. Urban</u> | <u>AECOM</u> |

WELL SAMPLING LOG

Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: CAE Electronics Site - NYSDEC 704015
2. Location: Hillcrest, NY
3. Well Designation: MW-07-05
4. Well Permit Number: _____

5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☐ Top of Casing ☒ Other (specify) Top of Riser
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PDBS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.
Distance between measuring point and ground surface (ft.) _____
9. Total Well Depth (fbgs) 30.18
10. Screened interval/open hole (fbgs) 20-30
11. Well Casing: Diameter: 2" Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2" Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size 0.010"

14. Date and Time of Deployment Date: 6/27/23 Time: 14:39
15. Depth to Ground Water Depth to ground water at time of deployment 28.16
16. Date and Time of Retrieval Date: 7/27/23 Time: 12:35
17. Depth to Ground Water Depth to ground water at time of retrieval 27.81
18. Type of Deployment Line Used Diameter: 3/16" Material: Poly

19. Material and Mass (oz.) of PDBS Weight 8oz Stainless Steel (stainless steel recommended)
 20. Type of PDBS Used ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
 21. Dimensions of PDBS Length (in.) 18 Diameter (in.) 1.75 Filled 350 ml
 22. Position of PDBS Weight ☐ Attached to bottom of PDBS and suspended in well
☐ Attached to bottom of deployment line and suspended in well
☒ Attached to bottom of deployment line and resting on bottom of well (preferred)
 23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)
- | 1st PDBS | 2nd PDBS | 3rd PDBS | 4th PDBS |
|-------------|----------|----------|----------|
| <u>29.5</u> | | | |
| 5th PDBS | 6th PDBS | 7th PDBS | 8th PDBS |
| | | | |

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
☒ **No**, this well is being profiled during this sampling round -
☐ **Yes**, this well was profiled already. Date when well was profiled: _____

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
☒ **No**, flow testing has not been conducted in this well
☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
Type of flow meter used: _____
Measurements taken every _____ feet **[Please Attach Results]**

26. Weather Conditions During Deployment Temp. 72°F Wind Light ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp. 75°F Wind Light ☐ Sunny ☒ Overcast ☒ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)
- | Name | Company |
|-------------------------|--------------|
| <u>Robert J. Murphy</u> | <u>AECOM</u> |
| <u>Thomas J. Urban</u> | <u>AECOM</u> |

WELL SAMPLING LOG

Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: CAE Electronics Site - NYSDEC 704015
2. Location: Hillcrest, NY
3. Well Designation: MW-07-06
4. Well Permit Number: _____

5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☐ Top of Casing ☒ Other (specify) Top of Riser
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PDBS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.
Distance between measuring point and ground surface (ft.) _____
9. Total Well Depth (fbgs) 31.80
10. Screened interval/open hole (fbgs) 22-32
11. Well Casing: Diameter: 2" Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2" Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size 0.010"

14. Date and Time of Deployment Date: 6/27/23 Time: 14:18
15. Depth to Ground Water Depth to ground water at time of deployment 27.33
16. Date and Time of Retrieval Date: 7/27/23 Time: 12:20
17. Depth to Ground Water Depth to ground water at time of retrieval 27.00
18. Type of Deployment Line Used Diameter: 3/16" Material: Poly

19. Material and Mass (oz.) of PDBS Weight 8oz Stainless Steel (stainless steel recommended)
 20. Type of PDBS Used ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
 21. Dimensions of PDBS Length (in.) 18 Diameter (in.) 1.75 Filled 350 ml
 22. Position of PDBS Weight ☐ Attached to bottom of PDBS and suspended in well
☐ Attached to bottom of deployment line and suspended in well
☒ Attached to bottom of deployment line and resting on bottom of well (preferred)
 23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)
- | 1st PDBS | 2nd PDBS | 3rd PDBS | 4th PDBS |
|-------------|----------|----------|----------|
| <u>29.0</u> | | | |
| 5th PDBS | 6th PDBS | 7th PDBS | 8th PDBS |
| | | | |

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
☒ ~~No, this well is being profiled during this sampling round.~~
☐ Yes, this well was profiled already. Date when well was profiled: _____

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
☒ No, flow testing has not been conducted in this well
☐ Yes, flow testing of this well was conducted. Date of testing: _____
Type of flow meter used: _____
Measurements taken every _____ feet [Please Attach Results]

26. Weather Conditions During Deployment Temp. 72°F Wind Light ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp. 75°F Wind Light ☐ Sunny ☒ Overcast ☒ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)
- | Name | Company |
|-------------------------|--------------|
| <u>Robert J. Murphy</u> | <u>AECOM</u> |
| <u>Thomas J. Urban</u> | <u>AECOM</u> |

WELL SAMPLING LOG

Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: CAE Electronics Site - NYSDEC 704015
2. Location: Hillcrest, NY
3. Well Designation: MW-07-08
4. Well Permit Number: _____

5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☐ Top of Casing ☒ Other (specify) Top of Riser
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PDBS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.
Distance between measuring point and ground surface (ft.) _____
9. Total Well Depth (fbgs) 26.95
10. Screened interval/open hole (fbgs) 17-27
11. Well Casing: Diameter: 2" Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2" Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size 0.010"

14. Date and Time of Deployment Date: 6/27/23 Time: 15:07
15. Depth to Ground Water Depth to ground water at time of deployment 21.03
16. Date and Time of Retrieval Date: 7/27/23 Time: 12:50
17. Depth to Ground Water Depth to ground water at time of retrieval 20.87
18. Type of Deployment Line Used Diameter: 3/16" Material: Poly

19. Material and Mass (oz.) of PDBS Weight 8oz Stainless Steel (stainless steel recommended)
 20. Type of PDBS Used ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
 21. Dimensions of PDBS Length (in.) 18 Diameter (in.) 1.75 Filled 350 ml
 22. Position of PDBS Weight ☐ Attached to bottom of PDBS and suspended in well
☐ Attached to bottom of deployment line and suspended in well
☒ Attached to bottom of deployment line and resting on bottom of well (preferred)
 23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)
- | 1st PDBS | 2nd PDBS | 3rd PDBS | 4th PDBS |
|-------------|----------|----------|----------|
| <u>24.0</u> | | | |
| 5th PDBS | 6th PDBS | 7th PDBS | 8th PDBS |
| | | | |

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
☒ **No**, this well is being profiled during this sampling round -
☐ **Yes**, this well was profiled already. Date when well was profiled: _____

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
☒ **No**, flow testing has not been conducted in this well
☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
Type of flow meter used: _____
Measurements taken every _____ feet **[Please Attach Results]**

26. Weather Conditions During Deployment Temp. 72°F Wind Light ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp. 74°F Wind Light ☐ Sunny ☒ Overcast ☒ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)
- | Name | Company |
|-------------------------|--------------|
| <u>Robert J. Murphy</u> | <u>AECOM</u> |
| <u>Thomas J. Urban</u> | <u>AECOM</u> |

WELL SAMPLING LOG

Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: CAE Electronics Site - NYSDEC 704015
2. Location: Hillcrest, NY
3. Well Designation: MW-07-09
4. Well Permit Number: _____

5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☐ Top of Casing ☒ Other (specify) Top of Riser
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PDBS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.
Distance between measuring point and ground surface (ft.) _____
9. Total Well Depth (fbgs) 21.61
10. Screened interval/open hole (fbgs) 9-22
11. Well Casing: Diameter: 2" Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2" Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size 0.010"

14. Date and Time of Deployment Date: 6/27/23 Time: 15:48
15. Depth to Ground Water Depth to ground water at time of deployment 16.27
16. Date and Time of Retrieval Date: 7/27/23 Time: 13:45
17. Depth to Ground Water Depth to ground water at time of retrieval 16.96
18. Type of Deployment Line Used Diameter: 3/16" Material: Poly

19. Material and Mass (oz.) of PDBS Weight 8oz Stainless Steel (stainless steel recommended)
 20. Type of PDBS Used ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
 21. Dimensions of PDBS Length (in.) 18 Diameter (in.) 1.75 Filled 350 ml
 22. Position of PDBS Weight ☐ Attached to bottom of PDBS and suspended in well
☐ Attached to bottom of deployment line and suspended in well
☒ Attached to bottom of deployment line and resting on bottom of well (preferred)
 23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)
- | 1st PDBS | 2nd PDBS | 3rd PDBS | 4th PDBS |
|-------------|----------|----------|----------|
| <u>19.0</u> | | | |
| 5th PDBS | 6th PDBS | 7th PDBS | 8th PDBS |
| | | | |

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
☒ ~~No, this well is being profiled during this sampling round.~~
☐ Yes, this well was profiled already. Date when well was profiled: _____

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
☒ No, flow testing has not been conducted in this well
☐ Yes, flow testing of this well was conducted. Date of testing: _____
Type of flow meter used: _____
Measurements taken every _____ feet [Please Attach Results]

26. Weather Conditions During Deployment Temp. 72°F Wind Light ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp. 72°F Wind Light ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)
- | Name | Company |
|-------------------------|--------------|
| <u>Robert J. Murphy</u> | <u>AECOM</u> |
| <u>Thomas J. Urban</u> | <u>AECOM</u> |

WELL SAMPLING LOG

Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: CAE Electronics Site - NYSDEC 704015
2. Location: Hillcrest, NY
3. Well Designation: NW-04
4. Well Permit Number: _____

5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☐ Top of Casing ☒ Other (specify) Top of Riser
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PDBS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.
Distance between measuring point and ground surface (ft.) _____
9. Total Well Depth (fbgs) 32.88
10. Screened interval/open hole (fbgs) 23-33
11. Well Casing: Diameter: 2" Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2" Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size 0.010"

14. Date and Time of Deployment Date: 6/27/23 Time: 13:30
15. Depth to Ground Water Depth to ground water at time of deployment 27.30
16. Date and Time of Retrieval Date: 7/27/23 Time: 11:25
17. Depth to Ground Water Depth to ground water at time of retrieval 26.77
18. Type of Deployment Line Used Diameter: 3/16" Material: Poly

19. Material and Mass (oz.) of PDBS Weight 8oz Stainless Steel (stainless steel recommended)
 20. Type of PDBS Used ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
 21. Dimensions of PDBS Length (in.) 18 Diameter (in.) 1.75 Filled 350 ml
 22. Position of PDBS Weight ☐ Attached to bottom of PDBS and suspended in well
☐ Attached to bottom of deployment line and suspended in well
☒ Attached to bottom of deployment line and resting on bottom of well (preferred)
 23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)
- | 1st PDBS | 2nd PDBS | 3rd PDBS | 4th PDBS |
|-------------|----------|----------|----------|
| <u>31.0</u> | | | |
| 5th PDBS | 6th PDBS | 7th PDBS | 8th PDBS |
| | | | |

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
☒ ~~No, this well is being profiled during this sampling round.~~
☐ Yes, this well was profiled already. Date when well was profiled: _____

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
☒ No, flow testing has not been conducted in this well
☐ Yes, flow testing of this well was conducted. Date of testing: _____
Type of flow meter used: _____
Measurements taken every _____ feet **[Please Attach Results]**

26. Weather Conditions During Deployment Temp. 72°F Wind Light ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp. 76°F Wind Light ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)
- | Name | Company |
|-------------------------|--------------|
| <u>Robert J. Murphy</u> | <u>AECOM</u> |
| <u>Thomas J. Urban</u> | <u>AECOM</u> |

WELL SAMPLING LOG

Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: CAE Electronics Site - NYSDEC 704015
2. Location: Hillcrest, NY
3. Well Designation: NW-05
4. Well Permit Number: _____

5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☐ Top of Casing ☒ Other (specify) Top of Riser
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PDBS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.
Distance between measuring point and ground surface (ft.) _____
9. Total Well Depth (fbgs) 37.47
10. Screened interval/open hole (fbgs) 28-38
11. Well Casing: Diameter: 2" Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2" Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size 0.010"

14. Date and Time of Deployment Date: 6/27/23 Time: 16:09
15. Depth to Ground Water Depth to ground water at time of deployment 29.45
16. Date and Time of Retrieval Date: 7/27/23 Time: 14:55
17. Depth to Ground Water Depth to ground water at time of retrieval 29.09
18. Type of Deployment Line Used Diameter: 3/16" Material: Poly

19. Material and Mass (oz.) of PDBS Weight 8oz Stainless Steel (stainless steel recommended)
20. Type of PDBS Used ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter (in.) 1.75 Filled 350 ml
22. Position of PDBS Weight ☐ Attached to bottom of PDBS and suspended in well
☐ Attached to bottom of deployment line and suspended in well
☒ Attached to bottom of deployment line and resting on bottom of well (preferred)
23. Position of PDBS in Well Screen
(ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
<u>33.0</u>	_____	_____	_____
5th PDBS	6th PDBS	7th PDBS	8th PDBS
_____	_____	_____	_____

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
☒ ~~No, this well is being profiled during this sampling round.~~
☐ Yes, this well was profiled already. Date when well was profiled: _____

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
☒ No, flow testing has not been conducted in this well
☐ Yes, flow testing of this well was conducted. Date of testing: _____
Type of flow meter used: _____
Measurements taken every _____ feet **[Please Attach Results]**

26. Weather Conditions During Deployment Temp. 72°F Wind Light ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp. 81°F Wind Light ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
<u>Robert J. Murphy</u>	<u>AECOM</u>
<u>Thomas J. Urban</u>	<u>AECOM</u>

WELL SAMPLING LOG

Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: CAE Electronics Site - NYSDEC 704015
2. Location: Hillcrest, NY
3. Well Designation: NW-06
4. Well Permit Number: _____

5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☐ Top of Casing ☒ Other (specify) Top of Riser
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PDBS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.
Distance between measuring point and ground surface (ft.) _____
9. Total Well Depth (fbgs) 27.90
10. Screened interval/open hole (fbgs) 18-28
11. Well Casing: Diameter: 2" Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2" Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size 0.010"

14. Date and Time of Deployment Date: 6/27/23 Time: 14:01
15. Depth to Ground Water Depth to ground water at time of deployment 22.38
16. Date and Time of Retrieval Date: 7/27/23 Time: 14:05
17. Depth to Ground Water Depth to ground water at time of retrieval 22.26
18. Type of Deployment Line Used Diameter: 3/16" Material: Poly

19. Material and Mass (oz.) of PDBS Weight 8oz Stainless Steel (stainless steel recommended)
 20. Type of PDBS Used ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
 21. Dimensions of PDBS Length (in.) 18 Diameter (in.) 1.75 Filled 350 ml
 22. Position of PDBS Weight ☐ Attached to bottom of PDBS and suspended in well
☐ Attached to bottom of deployment line and suspended in well
☒ Attached to bottom of deployment line and resting on bottom of well (preferred)
 23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)
- | 1st PDBS | 2nd PDBS | 3rd PDBS | 4th PDBS |
|-------------|----------|----------|----------|
| <u>26.5</u> | | | |
| 5th PDBS | 6th PDBS | 7th PDBS | 8th PDBS |
| | | | |

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
☒ ~~No, this well is being profiled during this sampling round.~~
☐ Yes, this well was profiled already. Date when well was profiled: _____

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
☒ No, flow testing has not been conducted in this well
☐ Yes, flow testing of this well was conducted. Date of testing: _____
Type of flow meter used: _____
Measurements taken every _____ feet [Please Attach Results]

26. Weather Conditions During Deployment Temp. 72°F Wind Light ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp. 72°F Wind Light ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)
- | Name | Company |
|-------------------------|--------------|
| <u>Robert J. Murphy</u> | <u>AECOM</u> |
| <u>Thomas J. Urban</u> | <u>AECOM</u> |

APPENDIX B

DATA USABILITY SUMMARY REPORT

For

CAE ELECTRONICS GROUNDWATER SAMPLES

VOA

SDG Nos. 23F4049 and 23G3932

Sampling Date: June 27 and July 27, 2023

Submitted to:

AECOM

**50 Lakefront Boulevard, Suite 111
Buffalo, New York, 14202 USA
716-903-1346**

Prepared by:

**Environmental Occupational & Public Health Consultants Inc. (EOPHC)
Environmental Data Validation Inc. (EDV, Inc.)
1326 Oranewood Ave
Pittsburgh, PA 15216
(412) 341-5281**

DATA USABILITY SUMMARY REPORT
Organics
USEPA REGION II

Site: CAE Electronics
Client: AECOM
Laboratory: Con-Test

SDG #: 23F4049, 23G3932
Date: September 28, 2023
Reviewer: D. McGuire

Sample Identification Table

Client Sample ID	Laboratory ID	Matrix	VOC SW846 8260D
23F4049-01	EB-06272023	Water	X
23G3932-01	MW-06	Groundwater	X
23G3932-02	MW-11	Groundwater	X
23G3932-03	MW-10	Groundwater	X
23G3932-04	NW-04	Groundwater	X
23G3932-05	MW-28R	Groundwater	X
23G3932-06	MW-26	Groundwater	X
23G3932-07	MW-15	Groundwater	X
23G3932-08	MW-07-06	Groundwater	X
23G3932-09	MW-20	Groundwater	X
23G3932-10	MW-07-05	Groundwater	X
23G3932-11	MW-07-08	Groundwater	X
23G3932-12	MW-07-09	Groundwater	X
23G3932-13	MW-25	Groundwater	X
23G3932-14	NW-06	Groundwater	X
23G3932-15	MW-17	Groundwater	X
23G3932-16	FD-270723	Water	X
23G3932-17	NW-06	Groundwater	X
23G3932-18	TB-270723	Water	X

The data package contained sixteen (16) ground water samples, one (1) equipment blank, one (1) field blank and one (1) trip blank samples. The samples were analyzed via SW-846 Method 8260D. The adherence of laboratory analytical performance to these methods' analytical specifications was evaluated during the data validation process. The data package was evaluated for its usability as defined by the Guidance for the Development of Data Usability Summary Reports (DER-10, 11/09). USEPA Region II standard operating procedures were used as guidance documents. According to the NYSDEC Guidance for the Development of Data Usability Summary Reports, the following QC data were evaluated: blanks, instrument tunings, calibration standards, calibration verifications, laboratory controls, surrogate recoveries, spike recoveries, and sample data.

The following Attachments are a part of this report— all validated Form 1s are presented in Attachment A. All Case Narrative and Chain of Custody (COC) records are presented in Attachment B.

All QC data were within quality control limits, except the following issues:

Cover letter, Narrative and Data Reporting Forms (Form 1s): The deficiencies noted in the case narrative that affect data usability have been discussed in applicable sections. Data that have no impact on data usability are not discussed.

DATA USABILITY SUMMARY REPORT
Organics
USEPA REGION II

Chain of Custody (COC): All samples listed in the Sample Identification Table were present on the COC. Sample NW-04 (23G3932-04) was misidentified as MW-04 by the laboratory.

Preservation: Preservation was acceptable.

Holding Time: Holding times were within acceptable criteria for all samples.

Blanks Quality Control: There was no contamination present.

Calibration Quality Control: The following were qualified due to calibration issues;

Sample ID	Compound	Qualifier
All Samples	1,2-Dibromo-3-chloropropane, Carbon tetrachloride, Methyl Acetate	UJ

Laboratory Control Sample (LCS): The LCS recoveries were acceptable.

Surrogates: The surrogate recoveries were acceptable.

Internal Standards: The recoveries were acceptable.

Matrix Spike (MS)/Matrix Spike Duplicate (MSD): MS/MSD were performed on 23G3932-03. Data have not been qualified based on MS/MSD results alone.

Field Duplicate: RPDs are calculated when both parent and duplicate sample report detects above the method detection limit. The following RPDs were calculated;

Compound	Sample ID Conc. ug/kg MW-17	Sample ID Conc. ug/kg FD-072723	RPD
1,1-Dichloroethene	1.9	2.1	10
1,1,1-Trichloroethane	2.1	2.1	0%
Trichloroethene	38	38	0%

Compound Quantitation: Reporting limits were acceptable.

Additional Comments: Some Form 1s and case narratives are reporting criteria out of QC limits. If data were impacted due to the deficiency, it is discussed in the DUSR, and appropriate qualifier(s) applied. Therefore, all discussions in the DUSR relate to all conditions that affected data usability. When there are multiple analyses, the validator presents the best run (Attachment A).

Data usability: Data qualified with the "UJ" qualifier are to be used cautiously as they are estimated data with some quality control issues. Data qualified with the "J" qualifier are to be used cautiously as they are estimated data with some quality control issues. Data qualified with the "R" qualifier are not usable due to severe quality control issues. Data qualified with the "U" qualifier are usable at the reporting limit.

ATTACHMENT A

VALIDATED AND QUALIFIED DATA SHEETS (FORM 1s)

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location:

Sample Description:

Work Order: 23F4049

Date Received: 6/28/2023

Field Sample #: EB-06272023

Sampled: 6/27/2023 16:00

Sample ID: 23F4049-01

Sample Matrix: Equipment Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	7/2/23	7/3/23 21:35	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	7/2/23	7/3/23 21:35	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	7/2/23	7/3/23 21:35	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/2/23	7/3/23 21:35	MFF
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	7/2/23	7/3/23 21:35	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	7/2/23	7/3/23 21:35	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	7/2/23	7/3/23 21:35	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	7/2/23	7/3/23 21:35	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1	V-05	SW-846 8260D	7/2/23	7/3/23 21:35	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/2/23	7/3/23 21:35	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/2/23	7/3/23 21:35	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	7/2/23	7/3/23 21:35	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/2/23	7/3/23 21:35	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	7/2/23	7/3/23 21:35	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	7/2/23	7/3/23 21:35	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1	V-05	SW-846 8260D	7/2/23	7/3/23 21:35	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/2/23	7/3/23 21:35	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/2/23	7/3/23 21:35	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/2/23	7/3/23 21:35	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/2/23	7/3/23 21:35	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	7/2/23	7/3/23 21:35	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/2/23	7/3/23 21:35	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	7/2/23	7/3/23 21:35	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/2/23	7/3/23 21:35	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/2/23	7/3/23 21:35	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/2/23	7/3/23 21:35	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/2/23	7/3/23 21:35	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/2/23	7/3/23 21:35	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/2/23	7/3/23 21:35	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	7/2/23	7/3/23 21:35	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/2/23	7/3/23 21:35	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1	V-05	SW-846 8260D	7/2/23	7/3/23 21:35	MFF UJ
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/2/23	7/3/23 21:35	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	7/2/23	7/3/23 21:35	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/2/23	7/3/23 21:35	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/2/23	7/3/23 21:35	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	7/2/23	7/3/23 21:35	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	7/2/23	7/3/23 21:35	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/2/23	7/3/23 21:35	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/2/23	7/3/23 21:35	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/2/23	7/3/23 21:35	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/2/23	7/3/23 21:35	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	7/2/23	7/3/23 21:35	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1	V-05	SW-846 8260D	7/2/23	7/3/23 21:35	MFF

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location:

Sample Description:

Work Order: 23F4049

Date Received: 6/28/2023

Field Sample #: EB-06272023

Sampled: 6/27/2023 16:00

Sample ID: 23F4049-01

Sample Matrix: Equipment Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/2/23	7/3/23 21:35	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/2/23	7/3/23 21:35	MFF
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/2/23	7/3/23 21:35	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/2/23	7/3/23 21:35	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/2/23	7/3/23 21:35	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	7/2/23	7/3/23 21:35	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	7/2/23	7/3/23 21:35	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	94.9	70-130	
Toluene-d8	95.0	70-130	
4-Bromofluorobenzene	87.0	70-130	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Binghamton, NY

Sample Description:

Work Order: 23G3932

Date Received: 7/28/2023

Field Sample #: MW-06

Sampled: 7/27/2023 10:55

Sample ID: 23G3932-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:27	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:27	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:27	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:27	MFF
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:27	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:27	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:27	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:27	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1	V-05	SW-846 8260D	8/1/23	8/3/23 1:27	MFF UJ
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:27	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:27	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:27	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:27	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:27	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:27	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1	V-05	SW-846 8260D	8/1/23	8/3/23 1:27	MFF UJ
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:27	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:27	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:27	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:27	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:27	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:27	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:27	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:27	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:27	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:27	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:27	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:27	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:27	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:27	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:27	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:27	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:27	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1	V-05	SW-846 8260D	8/1/23	8/3/23 1:27	MFF UJ
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:27	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:27	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:27	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:27	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:27	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:27	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:27	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:27	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:27	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:27	MFF

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Binghamton, NY

Sample Description:

Work Order: 23G3932

Date Received: 7/28/2023

Sampled: 7/27/2023 10:55

Field Sample #: MW-06

Sample ID: 23G3932-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:27	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:27	MFF
Trichloroethylene	1.4	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:27	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:27	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:27	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:27	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:27	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	98.2	70-130	
Toluene-d8	98.6	70-130	
4-Bromofluorobenzene	87.6	70-130	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Binghamton, NY

Sample Description:

Work Order: 23G3932

Date Received: 7/28/2023

Sampled: 7/27/2023 11:05

Field Sample #: MW-11

Sample ID: 23G3932-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:54	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:54	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:54	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:54	MFF
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:54	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:54	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:54	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:54	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1	V-05	SW-846 8260D	8/1/23	8/3/23 1:54	MFF UJ
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:54	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:54	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:54	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:54	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:54	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:54	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1	V-05	SW-846 8260D	8/1/23	8/3/23 1:54	MFF UJ
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:54	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:54	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:54	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:54	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:54	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:54	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:54	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:54	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:54	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:54	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:54	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:54	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:54	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:54	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:54	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:54	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:54	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1	V-05	SW-846 8260D	8/1/23	8/3/23 1:54	MFF UJ
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:54	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:54	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:54	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:54	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:54	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:54	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:54	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:54	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:54	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:54	MFF

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Binghamton, NY

Sample Description:

Work Order: 23G3932

Date Received: 7/28/2023

Sampled: 7/27/2023 11:05

Field Sample #: MW-11

Sample ID: 23G3932-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	0.42	1.0	0.15	µg/L	1	J	SW-846 8260D	8/1/23	8/3/23 1:54	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:54	MFF
Trichloroethylene	0.79	1.0	0.17	µg/L	1	J	SW-846 8260D	8/1/23	8/3/23 1:54	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:54	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:54	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:54	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:54	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	95.5	70-130	
Toluene-d8	97.4	70-130	
4-Bromofluorobenzene	87.0	70-130	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Binghamton, NY

Sample Description:

Work Order: 23G3932

Date Received: 7/28/2023

Sampled: 7/27/2023 11:15

Field Sample #: MW-10

Sample ID: 23G3932-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:21	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:21	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:21	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:21	MFF
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:21	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:21	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:21	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:21	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1	V-05	SW-846 8260D	8/1/23	8/3/23 2:21	MFF UJ
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:21	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:21	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:21	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:21	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:21	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:21	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1	V-05	SW-846 8260D	8/1/23	8/3/23 2:21	MFF UJ
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:21	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:21	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:21	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:21	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:21	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:21	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:21	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:21	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:21	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:21	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:21	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:21	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:21	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:21	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:21	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:21	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:21	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1	V-05	SW-846 8260D	8/1/23	8/3/23 2:21	MFF UJ
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:21	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:21	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:21	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:21	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:21	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:21	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:21	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:21	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:21	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:21	MFF

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Binghamton, NY

Sample Description:

Work Order: 23G3932

Date Received: 7/28/2023

Sampled: 7/27/2023 11:15

Field Sample #: MW-10

Sample ID: 23G3932-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	0.37	1.0	0.15	µg/L	1	J	SW-846 8260D	8/1/23	8/3/23 2:21	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:21	MFF
Trichloroethylene	0.54	1.0	0.17	µg/L	1	J	SW-846 8260D	8/1/23	8/3/23 2:21	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:21	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:21	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:21	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:21	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	99.2	70-130	
Toluene-d8	98.3	70-130	
4-Bromofluorobenzene	85.8	70-130	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Binghamton, NY

Sample Description:

Work Order: 23G3932

Date Received: 7/28/2023

Sampled: 7/27/2023 11:25

Field Sample #: MW-04

Sample ID: 23G3932-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:47	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:47	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:47	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:47	MFF
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:47	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:47	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:47	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:47	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1	V-05	SW-846 8260D	8/1/23	8/3/23 2:47	MFF UJ
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:47	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:47	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:47	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:47	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:47	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:47	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1	V-05	SW-846 8260D	8/1/23	8/3/23 2:47	MFF UJ
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:47	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:47	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:47	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:47	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:47	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:47	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:47	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:47	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:47	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:47	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:47	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:47	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:47	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:47	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:47	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:47	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:47	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1	V-05	SW-846 8260D	8/1/23	8/3/23 2:47	MFF UJ
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:47	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:47	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:47	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:47	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:47	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:47	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:47	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:47	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:47	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:47	MFF

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Binghamton, NY

Sample Description:

Work Order: 23G3932

Date Received: 7/28/2023

Sampled: 7/27/2023 11:25

Field Sample #: MW-04

Sample ID: 23G3932-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	0.51	1.0	0.15	µg/L	1	J	SW-846 8260D	8/1/23	8/3/23 2:47	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:47	MFF
Trichloroethylene	0.27	1.0	0.17	µg/L	1	J	SW-846 8260D	8/1/23	8/3/23 2:47	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:47	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1.5	1.0	0.21	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:47	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:47	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:47	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	98.3	70-130	
Toluene-d8	101	70-130	
4-Bromofluorobenzene	86.1	70-130	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Binghamton, NY

Sample Description:

Work Order: 23G3932

Date Received: 7/28/2023

Field Sample #: MW-28R

Sampled: 7/27/2023 11:40

Sample ID: 23G3932-05

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:14	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:14	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:14	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:14	MFF
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:14	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:14	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:14	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:14	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1	V-05	SW-846 8260D	8/1/23	8/3/23 3:14	MFF UJ
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:14	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:14	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:14	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:14	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:14	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:14	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1	V-05	SW-846 8260D	8/1/23	8/3/23 3:14	MFF UJ
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:14	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:14	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:14	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:14	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:14	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:14	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:14	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:14	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:14	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:14	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:14	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:14	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:14	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:14	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:14	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:14	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:14	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1	V-05	SW-846 8260D	8/1/23	8/3/23 3:14	MFF UJ
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:14	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:14	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:14	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:14	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:14	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:14	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:14	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:14	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:14	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:14	MFF

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Binghamton, NY

Sample Description:

Work Order: 23G3932

Date Received: 7/28/2023

Sampled: 7/27/2023 11:40

Field Sample #: MW-28R

Sample ID: 23G3932-05

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:14	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:14	MFF
Trichloroethylene	0.51	1.0	0.17	µg/L	1	J	SW-846 8260D	8/1/23	8/3/23 3:14	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:14	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:14	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:14	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:14	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	96.9	70-130	
Toluene-d8	101	70-130	
4-Bromofluorobenzene	86.5	70-130	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Binghamton, NY

Sample Description:

Work Order: 23G3932

Date Received: 7/28/2023

Sampled: 7/27/2023 11:55

Field Sample #: MW-26

Sample ID: 23G3932-06

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:41	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:41	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:41	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:41	MFF
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:41	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:41	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:41	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:41	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1	V-05	SW-846 8260D	8/1/23	8/3/23 3:41	MFF UJ
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:41	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:41	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:41	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:41	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:41	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:41	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1	V-05	SW-846 8260D	8/1/23	8/3/23 3:41	MFF UJ
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:41	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:41	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:41	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:41	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:41	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:41	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:41	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:41	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:41	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:41	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:41	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:41	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:41	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:41	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:41	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:41	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:41	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1	V-05	SW-846 8260D	8/1/23	8/3/23 3:41	MFF UJ
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:41	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:41	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:41	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:41	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:41	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:41	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:41	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:41	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:41	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:41	MFF

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Binghamton, NY

Sample Description:

Work Order: 23G3932

Date Received: 7/28/2023

Sampled: 7/27/2023 11:55

Field Sample #: MW-26

Sample ID: 23G3932-06

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:41	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:41	MFF
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:41	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:41	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:41	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:41	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:41	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	104	70-130	
Toluene-d8	101	70-130	
4-Bromofluorobenzene	85.2	70-130	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Binghamton, NY

Sample Description:

Work Order: 23G3932

Date Received: 7/28/2023

Field Sample #: MW-15

Sampled: 7/27/2023 12:10

Sample ID: 23G3932-07

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:07	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:07	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:07	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:07	MFF
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:07	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:07	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:07	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:07	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1	V-05	SW-846 8260D	8/1/23	8/3/23 4:07	MFF UJ
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:07	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:07	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:07	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:07	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:07	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:07	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1	V-05	SW-846 8260D	8/1/23	8/3/23 4:07	MFF UJ
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:07	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:07	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:07	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:07	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:07	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:07	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:07	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:07	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:07	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:07	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:07	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:07	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:07	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:07	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:07	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:07	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:07	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1	V-05	SW-846 8260D	8/1/23	8/3/23 4:07	MFF UJ
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:07	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:07	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:07	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:07	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:07	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:07	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:07	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:07	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:07	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:07	MFF

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Binghamton, NY

Sample Description:

Work Order: 23G3932

Date Received: 7/28/2023

Field Sample #: MW-15

Sampled: 7/27/2023 12:10

Sample ID: 23G3932-07

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	0.20	1.0	0.15	µg/L	1	J	SW-846 8260D	8/1/23	8/3/23 4:07	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:07	MFF
Trichloroethylene	0.41	1.0	0.17	µg/L	1	J	SW-846 8260D	8/1/23	8/3/23 4:07	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:07	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:07	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:07	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:07	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	103	70-130	
Toluene-d8	98.8	70-130	
4-Bromofluorobenzene	85.8	70-130	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Binghamton, NY

Sample Description:

Work Order: 23G3932

Date Received: 7/28/2023

Field Sample #: MW-07-06

Sampled: 7/27/2023 12:20

Sample ID: 23G3932-08

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:34	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:34	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:34	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:34	MFF
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:34	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:34	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:34	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:34	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1	V-05	SW-846 8260D	8/1/23	8/3/23 4:34	MFF UJ
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:34	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:34	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:34	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:34	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:34	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:34	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1	V-05	SW-846 8260D	8/1/23	8/3/23 4:34	MFF UJ
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:34	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:34	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:34	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:34	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:34	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:34	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:34	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:34	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:34	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:34	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:34	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:34	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:34	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:34	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:34	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:34	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:34	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1	V-05	SW-846 8260D	8/1/23	8/3/23 4:34	MFF UJ
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:34	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:34	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:34	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:34	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:34	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:34	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:34	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:34	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:34	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:34	MFF

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Binghamton, NY

Sample Description:

Work Order: 23G3932

Date Received: 7/28/2023

Field Sample #: MW-07-06

Sampled: 7/27/2023 12:20

Sample ID: 23G3932-08

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:34	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:34	MFF
Trichloroethylene	0.41	1.0	0.17	µg/L	1	J	SW-846 8260D	8/1/23	8/3/23 4:34	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:34	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:34	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:34	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:34	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	99.7	70-130	
Toluene-d8	104	70-130	
4-Bromofluorobenzene	87.3	70-130	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Binghamton, NY

Sample Description:

Work Order: 23G3932

Date Received: 7/28/2023

Sampled: 7/27/2023 12:25

Field Sample #: MW-20

Sample ID: 23G3932-09

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:01	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:01	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:01	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:01	MFF
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:01	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:01	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:01	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:01	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1	V-05	SW-846 8260D	8/1/23	8/3/23 5:01	MFF UJ
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:01	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:01	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:01	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:01	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:01	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:01	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1	V-05	SW-846 8260D	8/1/23	8/3/23 5:01	MFF UJ
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:01	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:01	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:01	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:01	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:01	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:01	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:01	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:01	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:01	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:01	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:01	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:01	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:01	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:01	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:01	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:01	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:01	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1	V-05	SW-846 8260D	8/1/23	8/3/23 5:01	MFF UJ
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:01	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:01	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:01	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:01	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:01	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:01	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:01	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:01	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:01	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:01	MFF

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Binghamton, NY

Sample Description:

Work Order: 23G3932

Date Received: 7/28/2023

Field Sample #: MW-20

Sampled: 7/27/2023 12:25

Sample ID: 23G3932-09

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:01	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:01	MFF
Trichloroethylene	0.30	1.0	0.17	µg/L	1	J	SW-846 8260D	8/1/23	8/3/23 5:01	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:01	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:01	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:01	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:01	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	98.9	70-130	
Toluene-d8	98.1	70-130	
4-Bromofluorobenzene	84.5	70-130	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Binghamton, NY

Sample Description:

Work Order: 23G3932

Date Received: 7/28/2023

Field Sample #: MW-07-05

Sampled: 7/27/2023 12:35

Sample ID: 23G3932-10

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:27	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:27	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:27	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:27	MFF
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:27	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:27	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:27	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:27	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1	V-05	SW-846 8260D	8/1/23	8/3/23 5:27	MFF UJ
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:27	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:27	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:27	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:27	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:27	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:27	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1	V-05	SW-846 8260D	8/1/23	8/3/23 5:27	MFF UJ
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:27	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:27	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:27	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:27	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:27	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:27	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:27	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:27	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:27	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:27	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:27	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:27	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:27	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:27	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:27	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:27	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:27	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1	V-05	SW-846 8260D	8/1/23	8/3/23 5:27	MFF UJ
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:27	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:27	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:27	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:27	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:27	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:27	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:27	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:27	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:27	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:27	MFF

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Binghamton, NY

Sample Description:

Work Order: 23G3932

Date Received: 7/28/2023

Field Sample #: MW-07-05

Sampled: 7/27/2023 12:35

Sample ID: 23G3932-10

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:27	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:27	MFF
Trichloroethylene	0.45	1.0	0.17	µg/L	1	J	SW-846 8260D	8/1/23	8/3/23 5:27	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:27	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:27	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:27	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:27	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	99.0	70-130	
Toluene-d8	101	70-130	
4-Bromofluorobenzene	85.4	70-130	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Binghamton, NY

Sample Description:

Work Order: 23G3932

Date Received: 7/28/2023

Field Sample #: MW-07-08

Sampled: 7/27/2023 12:50

Sample ID: 23G3932-11

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:51	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:51	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:51	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:51	MFF
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:51	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:51	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:51	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:51	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1	V-05	SW-846 8260D	8/1/23	8/3/23 5:51	MFF UJ
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:51	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:51	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:51	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:51	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:51	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:51	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1	V-05	SW-846 8260D	8/1/23	8/3/23 5:51	MFF UJ
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:51	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:51	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:51	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:51	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:51	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:51	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:51	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:51	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:51	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:51	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:51	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:51	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:51	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:51	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:51	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:51	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:51	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1	V-05	SW-846 8260D	8/1/23	8/3/23 5:51	MFF UJ
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:51	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:51	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:51	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:51	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:51	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:51	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:51	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:51	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:51	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:51	MFF

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Binghamton, NY

Sample Description:

Work Order: 23G3932

Date Received: 7/28/2023

Field Sample #: MW-07-08

Sampled: 7/27/2023 12:50

Sample ID: 23G3932-11

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:51	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:51	MFF
Trichloroethylene	0.44	1.0	0.17	µg/L	1	J	SW-846 8260D	8/1/23	8/3/23 5:51	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:51	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:51	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:51	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:51	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	103	70-130	
Toluene-d8	100	70-130	
4-Bromofluorobenzene	87.4	70-130	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Binghamton, NY

Sample Description:

Work Order: 23G3932

Date Received: 7/28/2023

Field Sample #: MW-07-09

Sampled: 7/27/2023 13:45

Sample ID: 23G3932-12

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:18	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:18	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:18	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:18	MFF
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:18	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:18	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:18	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:18	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1	V-05	SW-846 8260D	8/1/23	8/3/23 6:18	MFF UJ
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:18	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:18	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:18	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:18	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:18	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:18	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1	V-05	SW-846 8260D	8/1/23	8/3/23 6:18	MFF UJ
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:18	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:18	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:18	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:18	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:18	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:18	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:18	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:18	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:18	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:18	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:18	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:18	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:18	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:18	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:18	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:18	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:18	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1	V-05	SW-846 8260D	8/1/23	8/3/23 6:18	MFF UJ
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:18	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:18	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:18	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:18	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:18	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:18	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:18	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:18	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:18	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:18	MFF

DLM 9/26/23

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Binghamton, NY

Sample Description:

Work Order: 23G3932

Date Received: 7/28/2023

Field Sample #: MW-07-09

Sampled: 7/27/2023 13:45

Sample ID: 23G3932-12

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:18	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:18	MFF
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:18	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:18	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:18	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:18	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:18	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	98.3	70-130	
Toluene-d8	97.6	70-130	
4-Bromofluorobenzene	83.8	70-130	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Binghamton, NY

Sample Description:

Work Order: 23G3932

Date Received: 7/28/2023

Field Sample #: MW-25

Sampled: 7/27/2023 13:55

Sample ID: 23G3932-13

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:45	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:45	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:45	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:45	MFF
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:45	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:45	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:45	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:45	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1	V-05	SW-846 8260D	8/1/23	8/3/23 6:45	MFF UJ
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:45	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:45	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:45	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:45	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:45	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:45	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1	V-05	SW-846 8260D	8/1/23	8/3/23 6:45	MFF UJ
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:45	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:45	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:45	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:45	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:45	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:45	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:45	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:45	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:45	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:45	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:45	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:45	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:45	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:45	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:45	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:45	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:45	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1	V-05	SW-846 8260D	8/1/23	8/3/23 6:45	MFF UJ
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:45	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:45	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:45	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:45	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:45	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:45	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:45	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:45	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:45	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:45	MFF

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Binghamton, NY

Sample Description:

Work Order: 23G3932

Date Received: 7/28/2023

Field Sample #: MW-25

Sampled: 7/27/2023 13:55

Sample ID: 23G3932-13

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	0.25	1.0	0.15	µg/L	1	J	SW-846 8260D	8/1/23	8/3/23 6:45	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:45	MFF
Trichloroethylene	0.75	1.0	0.17	µg/L	1	J	SW-846 8260D	8/1/23	8/3/23 6:45	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:45	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:45	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:45	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:45	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	104	70-130	
Toluene-d8	99.7	70-130	
4-Bromofluorobenzene	84.2	70-130	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Binghamton, NY

Sample Description:

Work Order: 23G3932

Date Received: 7/28/2023

Field Sample #: NW-06

Sampled: 7/27/2023 14:05

Sample ID: 23G3932-14

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:11	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:11	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:11	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:11	MFF
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:11	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:11	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:11	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:11	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1	V-05	SW-846 8260D	8/1/23	8/3/23 7:11	MFF UJ
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:11	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:11	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:11	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:11	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:11	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:11	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1	V-05	SW-846 8260D	8/1/23	8/3/23 7:11	MFF UJ
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:11	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:11	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:11	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:11	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:11	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:11	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:11	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:11	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:11	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:11	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:11	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:11	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:11	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:11	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:11	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:11	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:11	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1	V-05	SW-846 8260D	8/1/23	8/3/23 7:11	MFF UJ
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:11	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:11	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:11	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:11	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:11	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:11	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:11	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:11	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:11	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:11	MFF

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Binghamton, NY

Sample Description:

Work Order: 23G3932

Date Received: 7/28/2023

Field Sample #: NW-06

Sampled: 7/27/2023 14:05

Sample ID: 23G3932-14

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	0.54	1.0	0.15	µg/L	1	J	SW-846 8260D	8/1/23	8/3/23 7:11	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:11	MFF
Trichloroethylene	0.47	1.0	0.17	µg/L	1	J	SW-846 8260D	8/1/23	8/3/23 7:11	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:11	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.93	1.0	0.21	µg/L	1	J	SW-846 8260D	8/1/23	8/3/23 7:11	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:11	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:11	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	104	70-130	
Toluene-d8	101	70-130	
4-Bromofluorobenzene	86.1	70-130	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Binghamton, NY

Sample Description:

Work Order: 23G3932

Date Received: 7/28/2023

Field Sample #: MW-17

Sampled: 7/27/2023 14:30

Sample ID: 23G3932-15

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	3.3	50	2.0	µg/L	1	V-06, J	SW-846 8260D	8/1/23	8/3/23 7:38	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:38	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:38	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:38	MFF
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:38	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:38	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:38	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:38	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1	V-05	SW-846 8260D	8/1/23	8/3/23 7:38	MFF UJ
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:38	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:38	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:38	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:38	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:38	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:38	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1	V-05	SW-846 8260D	8/1/23	8/3/23 7:38	MFF UJ
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:38	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:38	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:38	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:38	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:38	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:38	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:38	MFF
1,1-Dichloroethylene	1.9	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:38	MFF
cis-1,2-Dichloroethylene	0.32	1.0	0.14	µg/L	1	J	SW-846 8260D	8/1/23	8/3/23 7:38	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:38	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:38	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:38	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:38	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:38	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:38	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:38	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:38	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1	V-05	SW-846 8260D	8/1/23	8/3/23 7:38	MFF UJ
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:38	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:38	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:38	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:38	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:38	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:38	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:38	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:38	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:38	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:38	MFF

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Binghamton, NY

Sample Description:

Work Order: 23G3932

Date Received: 7/28/2023

Field Sample #: MW-17

Sampled: 7/27/2023 14:30

Sample ID: 23G3932-15

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	2.1	1.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:38	MFF
1,1,2-Trichloroethane	0.82	1.0	0.19	µg/L	1	J	SW-846 8260D	8/1/23	8/3/23 7:38	MFF
Trichloroethylene	38	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:38	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:38	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:38	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:38	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:38	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	104	70-130	
Toluene-d8	98.2	70-130	
4-Bromofluorobenzene	83.6	70-130	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Binghamton, NY

Sample Description:

Work Order: 23G3932

Date Received: 7/28/2023

Field Sample #: FD-270723

Sampled: 7/27/2023 00:00

Sample ID: 23G3932-16

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:04	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:04	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:04	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:04	MFF
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:04	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:04	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:04	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:04	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1	V-05	SW-846 8260D	8/1/23	8/3/23 8:04	MFF UJ
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:04	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:04	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:04	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:04	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:04	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:04	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1	V-05	SW-846 8260D	8/1/23	8/3/23 8:04	MFF UJ
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:04	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:04	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:04	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:04	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:04	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:04	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:04	MFF
1,1-Dichloroethylene	2.1	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:04	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:04	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:04	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:04	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:04	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:04	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:04	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:04	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:04	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:04	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1	V-05	SW-846 8260D	8/1/23	8/3/23 8:04	MFF UJ
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:04	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:04	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:04	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:04	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:04	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:04	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:04	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:04	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:04	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:04	MFF

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Binghamton, NY

Sample Description:

Work Order: 23G3932

Date Received: 7/28/2023

Field Sample #: FD-270723

Sampled: 7/27/2023 00:00

Sample ID: 23G3932-16

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	2.1	1.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:04	MFF
1,1,2-Trichloroethane	0.77	1.0	0.19	µg/L	1	J	SW-846 8260D	8/1/23	8/3/23 8:04	MFF
Trichloroethylene	38	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:04	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:04	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:04	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:04	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:04	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	102	70-130	
Toluene-d8	99.4	70-130	
4-Bromofluorobenzene	84.9	70-130	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Binghamton, NY

Sample Description:

Work Order: 23G3932

Date Received: 7/28/2023

Field Sample #: NW-05

Sampled: 7/27/2023 14:55

Sample ID: 23G3932-17

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:31	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:31	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:31	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:31	MFF
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:31	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:31	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:31	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:31	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1	V-05	SW-846 8260D	8/1/23	8/3/23 8:31	MFF UJ
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:31	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:31	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:31	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:31	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:31	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:31	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1	V-05	SW-846 8260D	8/1/23	8/3/23 8:31	MFF UJ
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:31	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:31	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:31	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:31	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:31	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:31	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:31	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:31	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:31	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:31	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:31	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:31	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:31	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:31	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:31	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:31	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:31	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1	V-05	SW-846 8260D	8/1/23	8/3/23 8:31	MFF UJ
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:31	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:31	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:31	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:31	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:31	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:31	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:31	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:31	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:31	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:31	MFF

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Binghamton, NY

Sample Description:

Work Order: 23G3932

Date Received: 7/28/2023

Field Sample #: NW-05

Sampled: 7/27/2023 14:55

Sample ID: 23G3932-17

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	0.43	1.0	0.15	µg/L	1	J	SW-846 8260D	8/1/23	8/3/23 8:31	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:31	MFF
Trichloroethylene	0.64	1.0	0.17	µg/L	1	J	SW-846 8260D	8/1/23	8/3/23 8:31	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:31	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	2.1	1.0	0.21	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:31	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:31	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:31	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	102	70-130	
Toluene-d8	99.2	70-130	
4-Bromofluorobenzene	84.0	70-130	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Binghamton, NY

Sample Description:

Work Order: 23G3932

Date Received: 7/28/2023

Field Sample #: TB-270723

Sampled: 7/27/2023 00:00

Sample ID: 23G3932-18

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:01	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:01	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:01	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:01	MFF
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:01	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:01	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:01	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:01	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1	V-05	SW-846 8260D	8/1/23	8/3/23 1:01	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:01	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:01	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:01	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:01	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:01	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:01	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1	V-05	SW-846 8260D	8/1/23	8/3/23 1:01	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:01	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:01	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:01	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:01	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:01	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:01	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:01	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:01	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:01	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:01	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:01	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:01	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:01	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:01	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:01	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:01	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:01	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1	V-05	SW-846 8260D	8/1/23	8/3/23 1:01	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:01	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:01	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:01	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:01	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:01	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:01	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:01	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:01	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:01	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:01	MFF

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Binghamton, NY

Sample Description:

Work Order: 23G3932

Date Received: 7/28/2023

Field Sample #: TB-270723

Sampled: 7/27/2023 00:00

Sample ID: 23G3932-18

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:01	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:01	MFF
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:01	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:01	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:01	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:01	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:01	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	98.2	70-130	
Toluene-d8	100	70-130	
4-Bromofluorobenzene	87.0	70-130	

ATTACHMENT B

CASE NARRATIVE AND CHAIN OF CUSTODY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

SW-846 8260D**Qualifications:**

V-05

Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

Analyte & Samples(s) Qualified:**1,2,4-Trichlorobenzene**

23F4049-01[EB-06272023], B344878-BLK1, B344878-BS1, B344878-BSD1, S089997-CCV1

1,2-Dibromo-3-chloropropane (DBCP)

23F4049-01[EB-06272023], B344878-BLK1, B344878-BS1, B344878-BSD1, S089997-CCV1

2-Hexanone (MBK)

23F4049-01[EB-06272023], B344878-BLK1, B344878-BS1, B344878-BSD1, S089997-CCV1

Carbon Tetrachloride23F4049-01[EB-06272023], B344878-BLK1, B344878-BS1, B344878-BSD1, S089997-CCV1

V-20

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:**Bromomethane**

B344878-BS1, B344878-BSD1, S089997-CCV1

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Lisa A. Worthington
Technical Representative

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

SW-846 8260D

Qualifications:

MS-15

Matrix spike and matrix spike duplicate recoveries are outside of control limits. Data validation is not affected since results for this compound in this sample are "not detected", and recovery bias is on the high side.

Analyte & Samples(s) Qualified:

Bromomethane

B347625-MS1, B347625-MSD1

MS-24

Either matrix spike or matrix spike duplicate is outside of control limits, but the other is within limits. Analysis is in control based on laboratory fortified blank recovery.

Analyte & Samples(s) Qualified:

1,2,4-Trichlorobenzene

B347625-MS1

Dichlorodifluoromethane (Freon 12)

B347625-MSD1

V-05

Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

Analyte & Samples(s) Qualified:

1,2-Dibromo-3-chloropropane (DBCP)

23G3932-01[MW-06], 23G3932-02[MW-11], 23G3932-03[MW-10], 23G3932-04[MW-04], 23G3932-05[MW-28R], 23G3932-06[MW-26], 23G3932-07[MW-15], 23G3932-08[MW-07-06], 23G3932-09[MW-20], 23G3932-10[MW-07-05], 23G3932-11[MW-07-08], 23G3932-12[MW-07-09], 23G3932-13[MW-25], 23G3932-14[NW-06], 23G3932-15[MW-17], 23G3932-16[FD-270723], 23G3932-17[NW-05], 23G3932-18[TB-270723], B347625-BLK1, B347625-BS1, B347625-BSD1, B347625-MS1, B347625-MSD1, S091452-CCV1

Carbon Tetrachloride

23G3932-01[MW-06], 23G3932-02[MW-11], 23G3932-03[MW-10], 23G3932-04[MW-04], 23G3932-05[MW-28R], 23G3932-06[MW-26], 23G3932-07[MW-15], 23G3932-08[MW-07-06], 23G3932-09[MW-20], 23G3932-10[MW-07-05], 23G3932-11[MW-07-08], 23G3932-12[MW-07-09], 23G3932-13[MW-25], 23G3932-14[NW-06], 23G3932-15[MW-17], 23G3932-16[FD-270723], 23G3932-17[NW-05], 23G3932-18[TB-270723], B347625-BLK1, B347625-BS1, B347625-BSD1, B347625-MS1, B347625-MSD1, S091452-CCV1

Methyl Acetate

23G3932-01[MW-06], 23G3932-02[MW-11], 23G3932-03[MW-10], 23G3932-04[MW-04], 23G3932-05[MW-28R], 23G3932-06[MW-26], 23G3932-07[MW-15], 23G3932-08[MW-07-06], 23G3932-09[MW-20], 23G3932-10[MW-07-05], 23G3932-11[MW-07-08], 23G3932-12[MW-07-09], 23G3932-13[MW-25], 23G3932-14[NW-06], 23G3932-15[MW-17], 23G3932-16[FD-270723], 23G3932-17[NW-05], 23G3932-18[TB-270723], B347625-BLK1, B347625-BS1, B347625-BSD1, B347625-MS1, B347625-MSD1, S091452-CCV1

V-06

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side for this compound.

Analyte & Samples(s) Qualified:

Acetone

23G3932-15[MW-17], B347625-BS1, B347625-BSD1, B347625-MS1, B347625-MSD1, S091452-CCV1

V-20

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

Bromomethane

B347625-BS1, B347625-BSD1, B347625-MS1, B347625-MSD1, S091452-CCV1

23F4049
AS

Doc # 381 Rev 5, 07/11/2021

39 Spruce Street,
East Longmeadow, MA 01028

Phone: 413-575-2332
Fax: 413-575-6403

www.paceanalytical.com

CHAIN OF CUSTODY RECORD

Project Information:
 Project Name: SPR-06-500-0100 SW-11
 Address: 14750 (N150C-0100)
 Project Location: CAE FLEETON CS
 Project Number: 14750 (N150C-0100)
 Project Manager: EYLE STUCKEY
 Pace Quote Number: 14750 (N150C-0100)
 Invoice Recipient: CAE FLEETON CS
 Sampled By: L. HARTZ

Analysis Requested:
 PCB ONLY
 SOXHLET
 NON SOXHLET

Sample Information:
 Sample ID: EB-06172073
 Date/Time: 6/27/23 1600
 Date/Time: 6/27/23 1800
 Date/Time: 6/27/23 1911
 Date/Time: 6/27/23 1910

Signature Log:
 Retained by: (Signature) [Signature] Date/Time: 6/27/23 1600
 Received by: (Signature) [Signature] Date/Time: 6/27/23 1800
 Retained by: (Signature) [Signature] Date/Time: 6/27/23 1911
 Retained by: (Signature) [Signature] Date/Time: 6/27/23 1910
 Received by: (Signature) [Signature] Date/Time: 6/27/23 1910
 Retained by: (Signature) [Signature] Date/Time: 6/27/23 1910
 Received by: (Signature) [Signature] Date/Time: 6/27/23 1910

Analysis Results:
 PCB ONLY
 SOXHLET
 NON SOXHLET

Client Comments:
 Please use the following codes to indicate possible sample contamination within the Lab. Code column above:
 M - High, B - Medium, L - Low, C - Clean, U - Unknown

Project Entity:
 Government: ☐ Municipality: ☐ State: ☐ Federal: ☐ City: ☐ Other: ☐ PWSID #: ☐

Lab Comments:
 Disclaimers: Pace Analytical is not responsible for any omitted information on the Chain of Custody. Chain of Custody is a legal document that must be complete and accurate and is used to determine if analyses the laboratory will perform. Any missing information is not the laboratory's responsibility. Analytical values your partnership on each project and will try to assist with missing information, but not be held accountable.

Contact: https://www.pacelabs.com/contact-us/contact-environmental-sciences/

Company Name: NYSDEC/AECOM
Address: 50 LAKE FRONT BLVD, SUITE 111, BUFFALO
Phone: 716-903-1346
Project Name: CAGE ELECTRONICS
Project Location: BINGHAMTON NY
Project Number: CO 147580
Project Manager: STEVE CATALFAMO (DEC)
Pace Analytical Quote Name/Number
Invoice Recipient: NYSDEC
Sampled By: R. MURPHY

Requested Turnaround Time: STANDARD
Due Date: 7/27/23
Push Approval Required: ☐
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐
Data Delivery
Format: PDF ☐ EXCEL ☐
Other: ☐
CLP Like Data Pkg Required: ☐
Email To: ☐
Fax To #: ☐

Pace Analytical Work Order #	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
9	MW-20	7/27 12:25	7/27 12:25		G	GW	
10	MW-07-05	7/27 12:35	7/27 12:35		G	GW	
11	MW-07-08	7/27 12:30	7/27 12:30		G	GW	
12	MW-07-09	7/27 13:40	7/27 13:40		G	GW	
13	MW-25	7/27 13:55	7/27 13:55		G	GW	
14	MW-06	7/27 14:05	7/27 14:05		G	GW	
15	MW-17	7/27 14:30	7/27 14:30		G	GW	
16	FD-270723	7/27	7/27		G	GW	
17	NW-05	7/27 14:35	7/27 14:35		G	GW	
18	TB-270723	7/27	7/27		G	O	

Comments:

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature) [Signature] Date/Time: 7/27/23 11:45
Received by: (signature) [Signature] Date/Time: 7/27/23 17:46
Relinquished by: (signature) [Signature] Date/Time: 7/27/23 17:46
Received by: (signature) [Signature] Date/Time: 7/28 07:05
Relinquished by: (signature) [Signature] Date/Time: 7/28 09:15
Received by: (signature) [Signature] Date/Time: 7-28-24 09:20
4.5°C

Program of Regulatory Jurisdiction
☐ AWQ STDS ☐ NY TOGS
☐ NYC Sewer Discharge ☐ NY CP-51
☐ Part 360 GW (Landfill)
☐ NY Restricted Use
☐ NY Unrestricted Use
☐ NY Part 375

Enhanced Data Package
☐ NYSDEC EQUIS EDD
☒ EQUIS (Standard) EDD
☐ NY Regulatory EDD
☐ NY Regs Hits-Only EDD

Other Variables
☐ Chromatogram
☐ AIHA-LAP, LLC

Project Entity
☐ Government
☐ Federal
☐ City
☐ Municipality
☐ 21 J
☐ Brownfield
☐ MWRA
☐ School
☐ MBTA
☐ WRTA

Other
☐ Chromatogram
☐ AIHA-LAP, LLC

RELAC and AIHA-LAP, LLC Accredited

1 Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)
Trip blank

2 Preservation Codes:
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

3 Container Codes:
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

1 Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)
Trip blank

2 Preservation Codes:
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

3 Container Codes:
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

of Containers
2
Preservation Code
H
Container Code
G

ANALYSIS REQUESTED

Field Filtered
Lab to Filter

Field Filtered
Lab to Filter

APPENDIX C

Data Package



ANALYTICAL. LIFE. SERVICE.

July 12, 2023

Robert Murphy
NYDEC_AECOM - Amherst, NY
50 Lakefront Boulevard, Suite 111
Buffalo, NY 14202

Project Location:
Client Job Number:
Project Number: 704015
Laboratory Work Order Number: 23F4049

Enclosed are results of analyses for samples as received by the laboratory on June 28, 2023. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kyle K. Stuckey
Project Manager

Table of Contents

Sample Summary	3
Case Narrative	4
Sample Results	5
23F4049-01	5
Sample Preparation Information	7
QC Data	8
Volatile Organic Compounds by GC/MS	8
B344878	8
Flag/Qualifier Summary	12
Certifications	13
Chain of Custody/Sample Receipt	15

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332NYDEC_AECOM - Amherst, NY
50 Lakefront Boulevard, Suite 111
Buffalo, NY 14202
ATTN: Robert Murphy

REPORT DATE: 7/12/2023

PURCHASE ORDER NUMBER: 147580

PROJECT NUMBER: 704015

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 23F4049

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION:

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
EB-06272023	23F4049-01	Equipment Blank Water		SW-846 8260D	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

SW-846 8260D**Qualifications:**

V-05

Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

Analyte & Samples(s) Qualified:**1,2,4-Trichlorobenzene**

23F4049-01[EB-06272023], B344878-BLK1, B344878-BS1, B344878-BSD1, S089997-CCV1

1,2-Dibromo-3-chloropropane (DBCP)

23F4049-01[EB-06272023], B344878-BLK1, B344878-BS1, B344878-BSD1, S089997-CCV1

2-Hexanone (MBK)

23F4049-01[EB-06272023], B344878-BLK1, B344878-BS1, B344878-BSD1, S089997-CCV1

Carbon Tetrachloride

23F4049-01[EB-06272023], B344878-BLK1, B344878-BS1, B344878-BSD1, S089997-CCV1

V-20

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:**Bromomethane**

B344878-BS1, B344878-BSD1, S089997-CCV1

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Lisa A. Worthington
Technical Representative

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location:

Sample Description:

Work Order: 23F4049

Date Received: 6/28/2023

Field Sample #: EB-06272023

Sampled: 6/27/2023 16:00

Sample ID: 23F4049-01

Sample Matrix: Equipment Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	7/2/23	7/3/23 21:35	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	7/2/23	7/3/23 21:35	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	7/2/23	7/3/23 21:35	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/2/23	7/3/23 21:35	MFF
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	7/2/23	7/3/23 21:35	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	7/2/23	7/3/23 21:35	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	7/2/23	7/3/23 21:35	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	7/2/23	7/3/23 21:35	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1	V-05	SW-846 8260D	7/2/23	7/3/23 21:35	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/2/23	7/3/23 21:35	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/2/23	7/3/23 21:35	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	7/2/23	7/3/23 21:35	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/2/23	7/3/23 21:35	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	7/2/23	7/3/23 21:35	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	7/2/23	7/3/23 21:35	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1	V-05	SW-846 8260D	7/2/23	7/3/23 21:35	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/2/23	7/3/23 21:35	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/2/23	7/3/23 21:35	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/2/23	7/3/23 21:35	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/2/23	7/3/23 21:35	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	7/2/23	7/3/23 21:35	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/2/23	7/3/23 21:35	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	7/2/23	7/3/23 21:35	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/2/23	7/3/23 21:35	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/2/23	7/3/23 21:35	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/2/23	7/3/23 21:35	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/2/23	7/3/23 21:35	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/2/23	7/3/23 21:35	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/2/23	7/3/23 21:35	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	7/2/23	7/3/23 21:35	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/2/23	7/3/23 21:35	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1	V-05	SW-846 8260D	7/2/23	7/3/23 21:35	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/2/23	7/3/23 21:35	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	7/2/23	7/3/23 21:35	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/2/23	7/3/23 21:35	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/2/23	7/3/23 21:35	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	7/2/23	7/3/23 21:35	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	7/2/23	7/3/23 21:35	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/2/23	7/3/23 21:35	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/2/23	7/3/23 21:35	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/2/23	7/3/23 21:35	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/2/23	7/3/23 21:35	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	7/2/23	7/3/23 21:35	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1	V-05	SW-846 8260D	7/2/23	7/3/23 21:35	MFF

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location:

Sample Description:

Work Order: 23F4049

Date Received: 6/28/2023

Field Sample #: EB-06272023

Sampled: 6/27/2023 16:00

Sample ID: 23F4049-01

Sample Matrix: Equipment Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/2/23	7/3/23 21:35	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/2/23	7/3/23 21:35	MFF
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/2/23	7/3/23 21:35	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/2/23	7/3/23 21:35	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/2/23	7/3/23 21:35	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	7/2/23	7/3/23 21:35	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	7/2/23	7/3/23 21:35	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	94.9	70-130	
Toluene-d8	95.0	70-130	
4-Bromofluorobenzene	87.0	70-130	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332**Sample Extraction Data****Prep Method:SW-846 5030B Analytical Method:SW-846 8260D**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23F4049-01 [EB-06272023]	B344878	5	5.00	07/02/23

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B344878 - SW-846 5030B										
Blank (B344878-BLK1)				Prepared: 07/02/23 Analyzed: 07/03/23						
Acetone	ND	50	µg/L							
Benzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							
Bromomethane	ND	2.0	µg/L							
2-Butanone (MEK)	ND	20	µg/L							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	5.0	µg/L							V-05
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							
Cyclohexane	ND	5.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							V-05
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	1.0	µg/L							
1,3-Dichlorobenzene	ND	1.0	µg/L							
1,4-Dichlorobenzene	ND	1.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L							
1,1-Dichloroethane	ND	1.0	µg/L							
1,2-Dichloroethane	ND	1.0	µg/L							
1,1-Dichloroethylene	ND	1.0	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	1.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
1,4-Dioxane	ND	50	µg/L							
Ethylbenzene	ND	1.0	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							V-05
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
Methyl Acetate	ND	1.0	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							
Methyl Cyclohexane	ND	1.0	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L							
Styrene	ND	1.0	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							
Tetrachloroethylene	ND	1.0	µg/L							
Toluene	ND	1.0	µg/L							
1,2,3-Trichlorobenzene	ND	5.0	µg/L							
1,2,4-Trichlorobenzene	ND	1.0	µg/L							V-05
1,1,1-Trichloroethane	ND	1.0	µg/L							
1,1,2-Trichloroethane	ND	1.0	µg/L							
Trichloroethylene	ND	1.0	µg/L							
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L							
Vinyl Chloride	ND	2.0	µg/L							
m+p Xylene	ND	2.0	µg/L							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B344878 - SW-846 5030B										
Blank (B344878-BLK1)										
Prepared: 07/02/23 Analyzed: 07/03/23										
o-Xylene	ND	1.0	µg/L							
Xylenes (total)	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	24.3		µg/L	25.0		97.3	70-130			
Surrogate: Toluene-d8	23.7		µg/L	25.0		94.6	70-130			
Surrogate: 4-Bromofluorobenzene	21.9		µg/L	25.0		87.4	70-130			
LCS (B344878-BS1)										
Prepared: 07/02/23 Analyzed: 07/03/23										
Acetone	87.2	50	µg/L	100		87.2	70-160			†
Benzene	10.8	1.0	µg/L	10.0		108	70-130			
Bromochloromethane	11.1	1.0	µg/L	10.0		111	70-130			
Bromodichloromethane	9.51	0.50	µg/L	10.0		95.1	70-130			
Bromoform	8.35	1.0	µg/L	10.0		83.5	70-130			
Bromomethane	11.6	2.0	µg/L	10.0		116	40-160		V-20	†
2-Butanone (MEK)	95.8	20	µg/L	100		95.8	40-160			†
Carbon Disulfide	96.3	5.0	µg/L	100		96.3	70-130			
Carbon Tetrachloride	7.72	5.0	µg/L	10.0		77.2	70-130		V-05	
Chlorobenzene	10.7	1.0	µg/L	10.0		107	70-130			
Chlorodibromomethane	9.12	0.50	µg/L	10.0		91.2	70-130			
Chloroethane	9.39	2.0	µg/L	10.0		93.9	70-130			
Chloroform	10.2	2.0	µg/L	10.0		102	70-130			
Chloromethane	9.75	2.0	µg/L	10.0		97.5	40-160			†
Cyclohexane	10.2	5.0	µg/L	10.0		102	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	8.19	5.0	µg/L	10.0		81.9	70-130		V-05	
1,2-Dibromoethane (EDB)	9.58	0.50	µg/L	10.0		95.8	70-130			
1,2-Dichlorobenzene	10.3	1.0	µg/L	10.0		103	70-130			
1,3-Dichlorobenzene	10.3	1.0	µg/L	10.0		103	70-130			
1,4-Dichlorobenzene	10.1	1.0	µg/L	10.0		101	70-130			
Dichlorodifluoromethane (Freon 12)	11.4	2.0	µg/L	10.0		114	40-160			†
1,1-Dichloroethane	9.87	1.0	µg/L	10.0		98.7	70-130			
1,2-Dichloroethane	9.45	1.0	µg/L	10.0		94.5	70-130			
1,1-Dichloroethylene	9.61	1.0	µg/L	10.0		96.1	70-130			
cis-1,2-Dichloroethylene	9.47	1.0	µg/L	10.0		94.7	70-130			
trans-1,2-Dichloroethylene	9.48	1.0	µg/L	10.0		94.8	70-130			
1,2-Dichloropropane	9.57	1.0	µg/L	10.0		95.7	70-130			
cis-1,3-Dichloropropene	9.54	0.50	µg/L	10.0		95.4	70-130			
trans-1,3-Dichloropropene	9.21	0.50	µg/L	10.0		92.1	70-130			
1,4-Dioxane	75.3	50	µg/L	100		75.3	40-130			†
Ethylbenzene	10.2	1.0	µg/L	10.0		102	70-130			
2-Hexanone (MBK)	79.9	10	µg/L	100		79.9	70-160		V-05	†
Isopropylbenzene (Cumene)	9.70	1.0	µg/L	10.0		97.0	70-130			
Methyl Acetate	9.09	1.0	µg/L	10.0		90.9	70-130			
Methyl tert-Butyl Ether (MTBE)	9.04	1.0	µg/L	10.0		90.4	70-130			
Methyl Cyclohexane	10.7	1.0	µg/L	10.0		107	70-130			
Methylene Chloride	9.37	5.0	µg/L	10.0		93.7	70-130			
4-Methyl-2-pentanone (MIBK)	82.4	10	µg/L	100		82.4	70-160			†
Styrene	9.62	1.0	µg/L	10.0		96.2	70-130			
1,1,2,2-Tetrachloroethane	9.85	0.50	µg/L	10.0		98.5	70-130			
Tetrachloroethylene	10.3	1.0	µg/L	10.0		103	70-130			
Toluene	10.0	1.0	µg/L	10.0		100	70-130			
1,2,3-Trichlorobenzene	7.80	5.0	µg/L	10.0		78.0	70-130			
1,2,4-Trichlorobenzene	7.68	1.0	µg/L	10.0		76.8	70-130		V-05	
1,1,1-Trichloroethane	10.1	1.0	µg/L	10.0		101	70-130			

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B344878 - SW-846 5030B										
LCS (B344878-BS1)										
Prepared: 07/02/23 Analyzed: 07/03/23										
1,1,2-Trichloroethane	9.91	1.0	µg/L	10.0		99.1	70-130			
Trichloroethylene	10.3	1.0	µg/L	10.0		103	70-130			
Trichlorofluoromethane (Freon 11)	9.85	2.0	µg/L	10.0		98.5	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.1	1.0	µg/L	10.0		101	70-130			
Vinyl Chloride	10.7	2.0	µg/L	10.0		107	40-160			†
m+p Xylene	20.1	2.0	µg/L	20.0		101	70-130			
o-Xylene	9.62	1.0	µg/L	10.0		96.2	70-130			
Xylenes (total)	29.8	1.0	µg/L	30.0		99.2	0-200			
Surrogate: 1,2-Dichloroethane-d4	24.4		µg/L	25.0		97.7	70-130			
Surrogate: Toluene-d8	24.0		µg/L	25.0		96.0	70-130			
Surrogate: 4-Bromofluorobenzene	23.0		µg/L	25.0		92.0	70-130			
LCS Dup (B344878-BSD1)										
Prepared: 07/02/23 Analyzed: 07/03/23										
Acetone	87.3	50	µg/L	100		87.3	70-160	0.0802	25	†
Benzene	10.9	1.0	µg/L	10.0		109	70-130	0.828	25	
Bromochloromethane	10.9	1.0	µg/L	10.0		109	70-130	1.45	25	
Bromodichloromethane	9.87	0.50	µg/L	10.0		98.7	70-130	3.72	25	
Bromoform	8.65	1.0	µg/L	10.0		86.5	70-130	3.53	25	
Bromomethane	12.1	2.0	µg/L	10.0		121	40-160	4.05	25	V-20 †
2-Butanone (MEK)	95.7	20	µg/L	100		95.7	40-160	0.178	25	†
Carbon Disulfide	98.6	5.0	µg/L	100		98.6	70-130	2.38	25	
Carbon Tetrachloride	7.80	5.0	µg/L	10.0		78.0	70-130	1.03	25	V-05
Chlorobenzene	10.9	1.0	µg/L	10.0		109	70-130	1.30	25	
Chlorodibromomethane	9.28	0.50	µg/L	10.0		92.8	70-130	1.74	25	
Chloroethane	9.76	2.0	µg/L	10.0		97.6	70-130	3.86	25	
Chloroform	10.4	2.0	µg/L	10.0		104	70-130	2.05	25	
Chloromethane	11.0	2.0	µg/L	10.0		110	40-160	11.6	25	†
Cyclohexane	10.3	5.0	µg/L	10.0		103	70-130	1.08	25	
1,2-Dibromo-3-chloropropane (DBCP)	8.30	5.0	µg/L	10.0		83.0	70-130	1.33	25	V-05
1,2-Dibromoethane (EDB)	9.86	0.50	µg/L	10.0		98.6	70-130	2.88	25	
1,2-Dichlorobenzene	10.6	1.0	µg/L	10.0		106	70-130	3.24	25	
1,3-Dichlorobenzene	10.8	1.0	µg/L	10.0		108	70-130	5.04	25	
1,4-Dichlorobenzene	10.3	1.0	µg/L	10.0		103	70-130	2.16	25	
Dichlorodifluoromethane (Freon 12)	11.2	2.0	µg/L	10.0		112	40-160	1.51	25	†
1,1-Dichloroethane	10.1	1.0	µg/L	10.0		101	70-130	2.70	25	
1,2-Dichloroethane	9.86	1.0	µg/L	10.0		98.6	70-130	4.25	25	
1,1-Dichloroethylene	9.51	1.0	µg/L	10.0		95.1	70-130	1.05	25	
cis-1,2-Dichloroethylene	9.72	1.0	µg/L	10.0		97.2	70-130	2.61	25	
trans-1,2-Dichloroethylene	9.48	1.0	µg/L	10.0		94.8	70-130	0.00	25	
1,2-Dichloropropane	10.3	1.0	µg/L	10.0		103	70-130	7.35	25	
cis-1,3-Dichloropropene	9.52	0.50	µg/L	10.0		95.2	70-130	0.210	25	
trans-1,3-Dichloropropene	9.44	0.50	µg/L	10.0		94.4	70-130	2.47	25	
1,4-Dioxane	80.0	50	µg/L	100		80.0	40-130	5.99	50	† ‡
Ethylbenzene	10.6	1.0	µg/L	10.0		106	70-130	3.75	25	
2-Hexanone (MBK)	82.6	10	µg/L	100		82.6	70-160	3.31	25	V-05 †
Isopropylbenzene (Cumene)	9.84	1.0	µg/L	10.0		98.4	70-130	1.43	25	
Methyl Acetate	8.77	1.0	µg/L	10.0		87.7	70-130	3.58	25	
Methyl tert-Butyl Ether (MTBE)	9.07	1.0	µg/L	10.0		90.7	70-130	0.331	25	
Methyl Cyclohexane	10.4	1.0	µg/L	10.0		104	70-130	2.66	25	
Methylene Chloride	9.51	5.0	µg/L	10.0		95.1	70-130	1.48	25	
4-Methyl-2-pentanone (MIBK)	83.3	10	µg/L	100		83.3	70-160	1.01	25	†
Styrene	9.63	1.0	µg/L	10.0		96.3	70-130	0.104	25	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B344878 - SW-846 5030B										
LCS Dup (B344878-BSD1)					Prepared: 07/02/23 Analyzed: 07/03/23					
1,1,2,2-Tetrachloroethane	9.92	0.50	µg/L	10.0		99.2	70-130	0.708	25	
Tetrachloroethylene	10.7	1.0	µg/L	10.0		107	70-130	3.90	25	
Toluene	10.3	1.0	µg/L	10.0		103	70-130	2.57	25	
1,2,3-Trichlorobenzene	7.83	5.0	µg/L	10.0		78.3	70-130	0.384	25	
1,2,4-Trichlorobenzene	7.41	1.0	µg/L	10.0		74.1	70-130	3.58	25	V-05
1,1,1-Trichloroethane	10.2	1.0	µg/L	10.0		102	70-130	0.591	25	
1,1,2-Trichloroethane	10.3	1.0	µg/L	10.0		103	70-130	3.86	25	
Trichloroethylene	10.1	1.0	µg/L	10.0		101	70-130	2.75	25	
Trichlorofluoromethane (Freon 11)	9.91	2.0	µg/L	10.0		99.1	70-130	0.607	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.2	1.0	µg/L	10.0		102	70-130	1.19	25	
Vinyl Chloride	11.2	2.0	µg/L	10.0		112	40-160	4.02	25	†
m+p Xylene	20.5	2.0	µg/L	20.0		103	70-130	1.97	25	
o-Xylene	9.72	1.0	µg/L	10.0		97.2	70-130	1.03	25	
Xylenes (total)	30.3	1.0	µg/L	30.0		101	0-200	1.67		
Surrogate: 1,2-Dichloroethane-d4	24.2		µg/L	25.0		96.9	70-130			
Surrogate: Toluene-d8	24.4		µg/L	25.0		97.5	70-130			
Surrogate: 4-Bromofluorobenzene	23.0		µg/L	25.0		92.1	70-130			

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332**FLAG/QUALIFIER SUMMARY**

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.
V-20	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8260D in Water</i>	
Acetone	CT,ME,NH,VA,NY
Benzene	CT,ME,NH,VA,NY
Bromochloromethane	ME,NH,VA,NY
Bromodichloromethane	CT,ME,NH,VA,NY
Bromoform	CT,ME,NH,VA,NY
Bromomethane	CT,ME,NH,VA,NY
2-Butanone (MEK)	CT,ME,NH,VA,NY
Carbon Disulfide	CT,ME,NH,VA,NY
Carbon Tetrachloride	CT,ME,NH,VA,NY
Chlorobenzene	CT,ME,NH,VA,NY
Chlorodibromomethane	CT,ME,NH,VA,NY
Chloroethane	CT,ME,NH,VA,NY
Chloroform	CT,ME,NH,VA,NY
Chloromethane	CT,ME,NH,VA,NY
Cyclohexane	ME,NY
1,2-Dibromo-3-chloropropane (DBCP)	ME,NY
1,2-Dibromoethane (EDB)	ME,NY
1,2-Dichlorobenzene	CT,ME,NH,VA,NY
1,3-Dichlorobenzene	CT,ME,NH,VA,NY
1,4-Dichlorobenzene	CT,ME,NH,VA,NY
Dichlorodifluoromethane (Freon 12)	ME,NH,VA,NY
1,1-Dichloroethane	CT,ME,NH,VA,NY
1,2-Dichloroethane	CT,ME,NH,VA,NY
1,1-Dichloroethylene	CT,ME,NH,VA,NY
cis-1,2-Dichloroethylene	ME,NY
trans-1,2-Dichloroethylene	CT,ME,NH,VA,NY
1,2-Dichloropropane	CT,ME,NH,VA,NY
cis-1,3-Dichloropropene	CT,ME,NH,VA,NY
trans-1,3-Dichloropropene	CT,ME,NH,VA,NY
1,4-Dioxane	ME,NY
Ethylbenzene	CT,ME,NH,VA,NY
2-Hexanone (MBK)	CT,ME,NH,VA,NY
Isopropylbenzene (Cumene)	ME,VA,NY
Methyl Acetate	ME,NY
Methyl tert-Butyl Ether (MTBE)	CT,ME,NH,VA,NY
Methyl Cyclohexane	NY
Methylene Chloride	CT,ME,NH,VA,NY
4-Methyl-2-pentanone (MIBK)	CT,ME,NH,VA,NY
Styrene	CT,ME,NH,VA,NY
1,1,2,2-Tetrachloroethane	CT,ME,NH,VA,NY
Tetrachloroethylene	CT,ME,NH,VA,NY
Toluene	CT,ME,NH,VA,NY
1,2,3-Trichlorobenzene	ME,NH,VA,NY
1,2,4-Trichlorobenzene	CT,ME,NH,VA,NY
1,1,1-Trichloroethane	CT,ME,NH,VA,NY
1,1,2-Trichloroethane	CT,ME,NH,VA,NY
Trichloroethylene	CT,ME,NH,VA,NY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8260D in Water</i>	
Trichlorofluoromethane (Freon 11)	CT,ME,NH,VA,NY
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	VA,NY
Vinyl Chloride	CT,ME,NH,VA,NY
Xylenes (total)	ME,NY

Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
CT	Connecticut Department of Public Health	PH-0821	12/31/2024
NY	New York State Department of Health	10899 NELAP	04/1/2024
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2024
ME	State of Maine	MA00100	06/9/2025
VA	Commonwealth of Virginia	460217	12/14/2023

Disclaimer: Pace Analytical is not responsible for any omitted information on the Chain of Custody. Chain of Custody is a legal document that must be complete and accurate and is used to determine if analyses the laboratory will perform. Any missing information is not the laboratory's responsibility. Pace Analytical values your partnership on each project and will try to assist with missing information, but not be held accountable.

39 Spruce St.
East Longmeadow, MA. 01028
P: 413-525-2332
F: 413-525-6405
www.pacelabs.com

ENV-FRM-ELON-0001 V05__Sample Receiving Checklist

Log In Back-Sheet

Login Sample Receipt Checklist – (Rejection Criteria Listing
– Using Acceptance Policy) Any False statement will be
brought to the attention of the Client – True or False

Client AECOMProject NIAMCP/RCP Required NIADeliverable Package Requirement NIALocation CAE Electronics

PWSID# (When Applicable) _____

Arrival Method:

 Courier ☒ Fed Ex ☐ Walk In ☐ Other ☐

Received By / Date / Time _____

Back-Sheet By / Date / Time AAM/6-24-23/0858Temperature Method Temp. Gun # _____Temp ☐ < 6° C Actual Temperature _____Rush Samples: Yes / No Notify _____Short Hold: Yes / No Notify _____

Notes regarding Samples/COC outside of SOP:

	True	False
Received on Ice	☒	☐
Received in Cooler	☒	☐
Custody Seal: DATE TIME	☐	☒
COC Relinquished	☒	☐
COC/Samples Labels Agree	☒	☐
All Samples in Good Condition	☒	☐
Samples Received within Holding Time	☒	☐
Is there enough Volume	☒	☐
Proper Media/Container Used	☒	☐
Splitting Samples Required	☐	☒
MS/MSD	☐	☒
Trip Blanks	☐	☒
Lab to Filters	☐	☒
COC Legible	☒	☐

COC Included: (Check all included)

Client ☒	Analysis ☒	Sampler Name ☒
Project ☒	IDs ☒	Collection Date/Time ☒

All Samples Proper pH: N/A ☐ ☐

Additional Container Notes

Sample	Soils Jars				Ambers					Plastics							VOA Vials						Other / Fill in			
	(Circle Amb/Clear)																									
1	16oz Amb/Clear				Unpreserved					Unpreserved							Unpreserved									
2	8oz Amb/Clear				HCL					Sulfuric							HCl									
3	4oz Amb/Clear				Sulfuric					Unpreserved							MeOH									
4	2oz Amb/Clear				Phosphoric					Sulfuric							D.I. Water									
5					HCl					Unpreserved							BiSulfate									
6										Trizma							Col/Bact									
7										Sulfuric																
8										Nitric																
9										NaOH																
10										NaOH/Zinc																
11																										
12																										
13																										
14																										
15																										
16																										
17																										
18																										
19																										
20																										

VOA

SAMPLE DATA

1 - FORM I

ANALYSIS DATA SHEET

21

EB-06272023

Laboratory:	Pace New England	Work Order:	23F4049
Client:	NYDEC_AECOM - Amherst, NY	Project:	C.A.E. Electronics_CAT B - CO 147580
Matrix:	Equipment Blank Water	Laboratory ID:	23F4049-01
		File ID:	C22V18434.D
Sampled:	06/27/23 16:00	Prepared:	07/02/23 07:16
		Analyzed:	07/03/23 21:35
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B344878	Sequence:	S089997
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone		2.0	50	
71-43-2	Benzene		0.18	1.0	
74-97-5	Bromochloromethane		0.28	1.0	
75-27-4	Bromodichloromethane		0.16	0.50	
75-25-2	Bromoform		0.41	1.0	
74-83-9	Bromomethane		1.3	2.0	
78-93-3	2-Butanone (MEK)		1.7	20	
75-15-0	Carbon Disulfide		1.6	5.0	
56-23-5	Carbon Tetrachloride		0.16	5.0	V-05
108-90-7	Chlorobenzene		0.12	1.0	
124-48-1	Chlorodibromomethane		0.20	0.50	
75-00-3	Chloroethane		0.34	2.0	
67-66-3	Chloroform		0.14	2.0	
74-87-3	Chloromethane		0.50	2.0	
110-82-7	Cyclohexane		1.8	5.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.85	5.0	V-05
106-93-4	1,2-Dibromoethane (EDB)		0.16	0.50	
95-50-1	1,2-Dichlorobenzene		0.13	1.0	
541-73-1	1,3-Dichlorobenzene		0.14	1.0	
106-46-7	1,4-Dichlorobenzene		0.13	1.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.16	2.0	
75-34-3	1,1-Dichloroethane		0.14	1.0	
107-06-2	1,2-Dichloroethane		0.30	1.0	
75-35-4	1,1-Dichloroethylene		0.14	1.0	
156-59-2	cis-1,2-Dichloroethylene		0.14	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.17	1.0	
78-87-5	1,2-Dichloropropane		0.19	1.0	
10061-01-5	cis-1,3-Dichloropropene		0.16	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.14	0.50	
123-91-1	1,4-Dioxane		18	50	

1 - FORM I

ANALYSIS DATA SHEET

22

EB-06272023

Laboratory:	Pace New England	Work Order:	23F4049
Client:	NYDEC_AECOM - Amherst, NY	Project:	C.A.E. Electronics_CAT B - CO 147580
Matrix:	Equipment Blank Water	Laboratory ID:	23F4049-01
		File ID:	C22V18434.D
Sampled:	06/27/23 16:00	Prepared:	07/02/23 07:16
		Analyzed:	07/03/23 21:35
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B344878	Sequence:	S089997
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
100-41-4	Ethylbenzene		0.22	1.0	
591-78-6	2-Hexanone (MBK)		1.2	10	V-05
98-82-8	Isopropylbenzene (Cumene)		0.15	1.0	
79-20-9	Methyl Acetate		0.61	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.17	1.0	
108-87-2	Methyl Cyclohexane		0.16	1.0	
75-09-2	Methylene Chloride		0.18	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.3	10	
100-42-5	Styrene		0.15	1.0	
79-34-5	1,1,2,2-Tetrachloroethane		0.14	0.50	
127-18-4	Tetrachloroethylene		0.17	1.0	
108-88-3	Toluene		0.22	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.34	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.30	1.0	V-05
71-55-6	1,1,1-Trichloroethane		0.15	1.0	
79-00-5	1,1,2-Trichloroethane		0.19	1.0	
79-01-6	Trichloroethylene		0.17	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.15	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)		0.21	1.0	
75-01-4	Vinyl Chloride		0.24	2.0	
1330-20-7	Xylenes (total)		1.0	1.0	

Data Path : C:\msdchem\1\data\C070323\
 Data File : C22V18434.D
 Acq On : 3 Jul 2023 9:35 pm
 Operator :
 Sample : 23F4049-01
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Inst : GCMSVOA3

Quant Time: Jul 05 07:28:36 2023
 Quant Method : C:\msdchem\1\methods\C080822.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Fri Apr 21 09:50:20 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	4.292	168	157444	30.00	UG/L	0.00
48) 1,4-DIFLUOROBENZENE - ...	5.011	114	220666	30.00	UG/L	0.00
70) CHLOROBENZENE-D5 ISTD	7.844	82	101432	30.00	UG/L	0.00
89) 1,4-DICHLOROBENZENE-D4...	10.139	152	88501	30.00	UG/L	# 0.00
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.565	65	70086	23.72	UG/L	0.00
Spiked Amount 25.000	Range	70 - 130	Recovery	= 94.88%		
49) TOLUENE SS	6.447	98	207439	23.74	UG/L	0.00
Spiked Amount 25.000	Range	70 - 130	Recovery	= 94.96%		
71) 4-BROMOFLUOROBENZENE SS	9.002	95	65425	21.76	UG/L	0.00
Spiked Amount 25.000	Range	70 - 130	Recovery	= 87.04%		

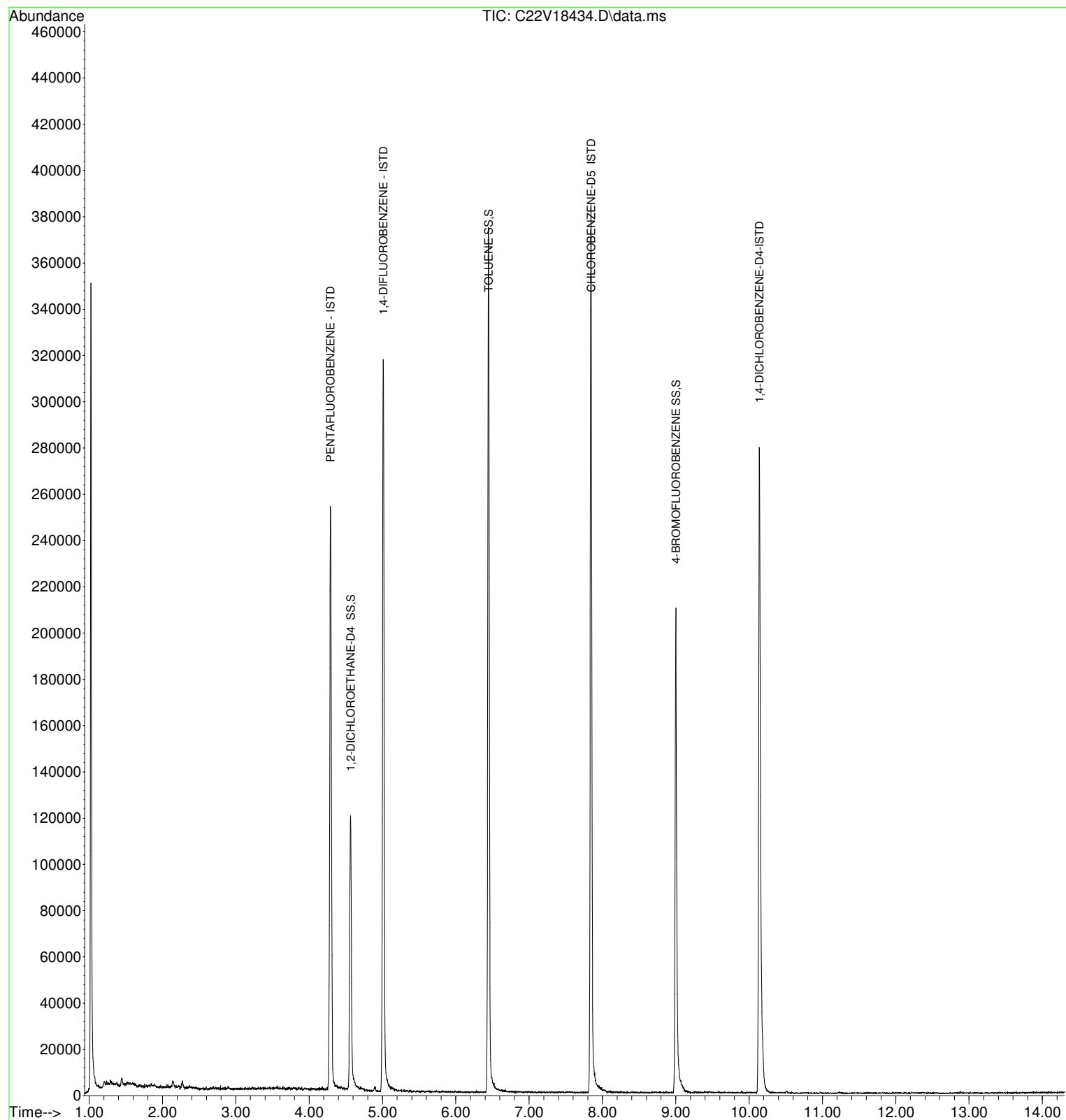
Target Compounds	Qvalue

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

Data Path : C:\msdchem\1\data\C070323\
Data File : C22V18434.D
Acq On : 3 Jul 2023 9:35 pm
Operator :
Sample : 23F4049-01
Misc :
ALS Vial : 34 Sample Multiplier: 1

Inst : GCMSVOA3

Quant Time: Jul 05 07:28:36 2023
Quant Method : C:\msdchem\1\methods\C080822.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Fri Apr 21 09:50:20 2023
Response via : Initial Calibration

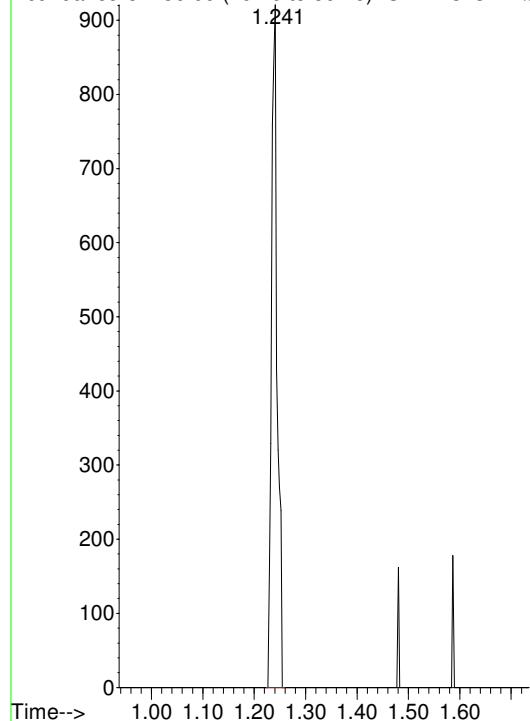


Data Path : C:\msdchem\1\data\C070323\
Data File : C22V18434.D
Acq On : 3 Jul 2023 9:35 pm
Operator :
Sample : 23F4049-01
Misc :

Quant Time : Wed Jul 05 07:28:36 2023
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Fri Apr 21 09:50:20 2023

Original Integration
CHLOROMETHANE

Abundance on 50.00 (49.70 to 50.70): C22V18434.D



Original Int. Results

RT : 1.24
Area : 715
Amount: 0.19201

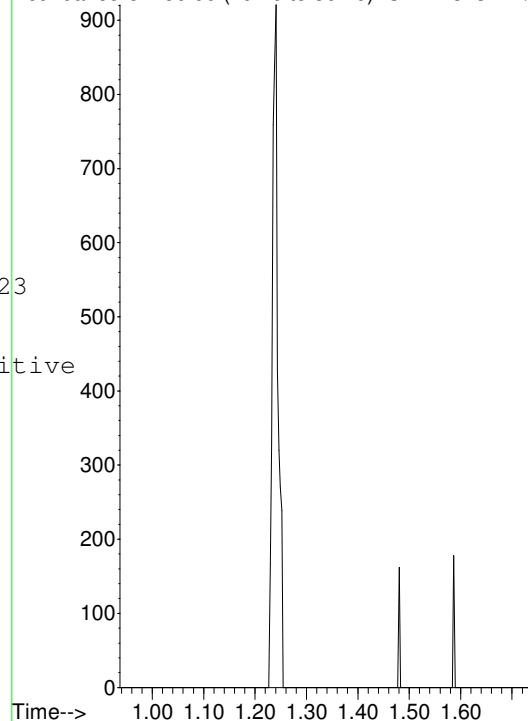
Manual Int. Results

Wed Jul 05 07:28:20 2023

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

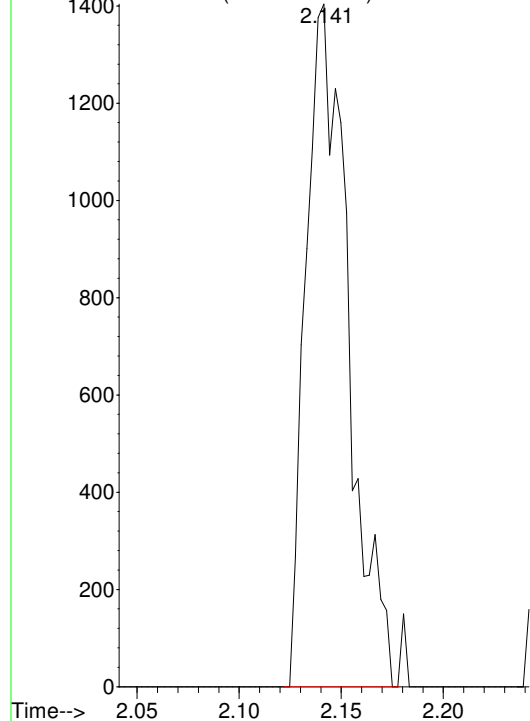
Manual Integration
CHLOROMETHANE

Abundance on 50.00 (49.70 to 50.70): C22V18434.D



Original Integration
ACETONE

Abundance on 43.00 (42.70 to 43.70): C22V18434.D



Original Int. Results

RT : 2.14
Area : 2033
Amount: 2.12736

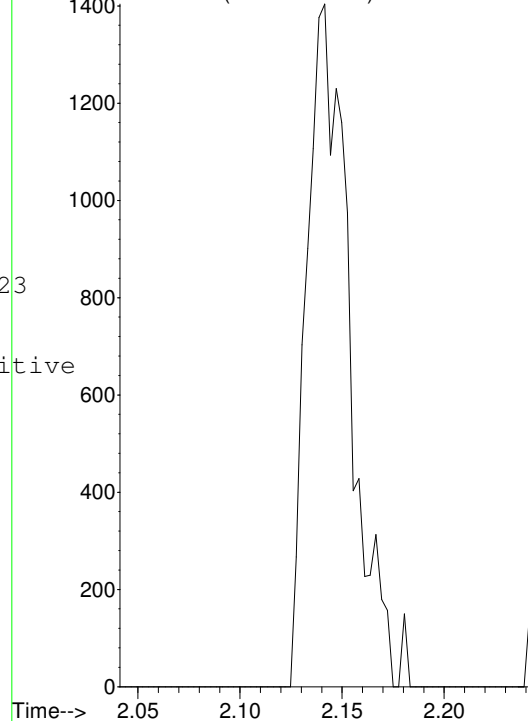
Manual Int. Results

Wed Jul 05 07:28:24 2023

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
ACETONE

Abundance on 43.00 (42.70 to 43.70): C22V18434.D



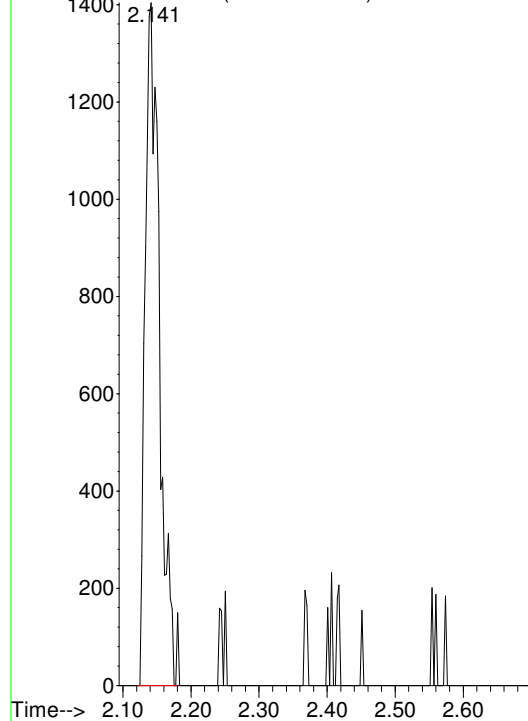
Data Path : C:\msdchem\1\data\C070323\
Data File : C22V18434.D
Acq On : 3 Jul 2023 9:35 pm
Operator :
Sample : 23F4049-01
Misc :

Quant Time : Wed Jul 05 07:28:36 2023
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Fri Apr 21 09:50:20 2023

Original Integration

METHYL ACETATE

Abundance on 43.00 (42.70 to 43.70): C22V18434.D



Original Int. Results

RT : 2.14
Area : 2033
Amount: 0.546475

Manual Int. Results

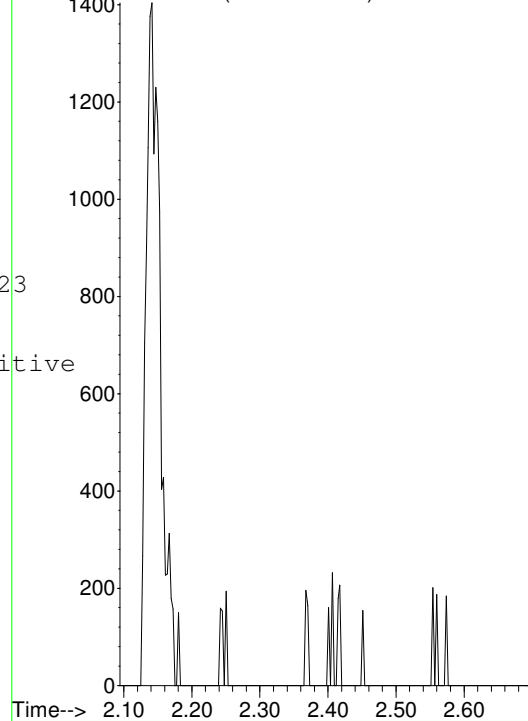
Wed Jul 05 07:28:27 2023

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration

METHYL ACETATE

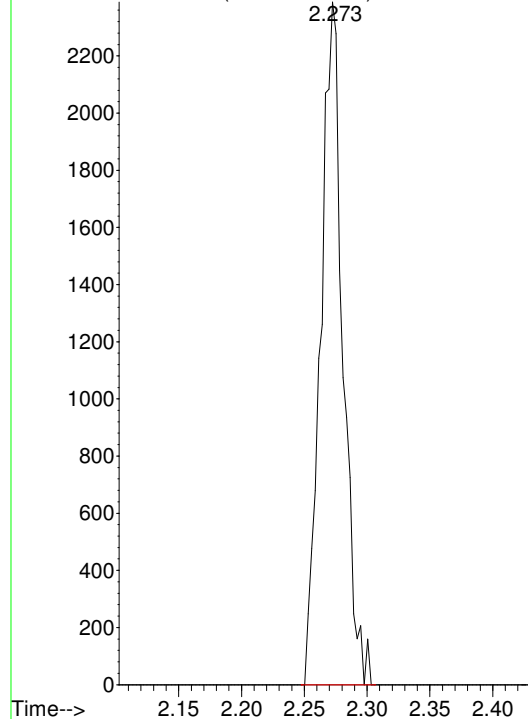
Abundance on 43.00 (42.70 to 43.70): C22V18434.D



Original Integration

CARBON DISULFIDE

Abundance on 76.00 (75.70 to 76.70): C22V18434.D



Original Int. Results

RT : 2.27
Area : 2943
Amount: 0.448443

Manual Int. Results

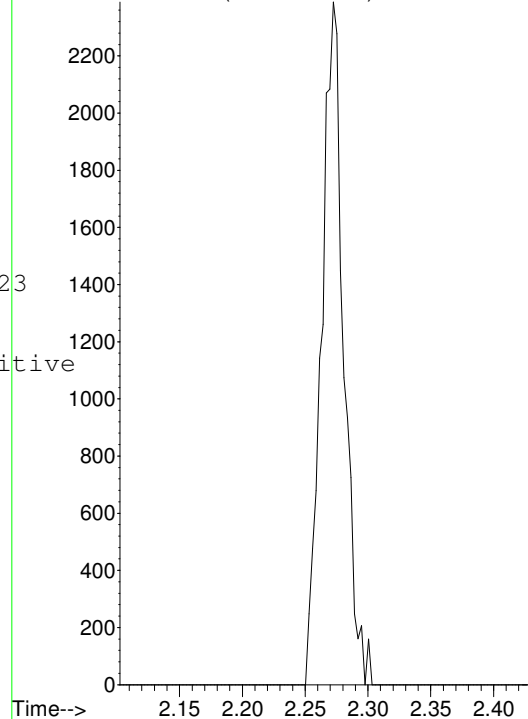
Wed Jul 05 07:28:31 2023

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration

CARBON DISULFIDE

Abundance on 76.00 (75.70 to 76.70): C22V18434.D



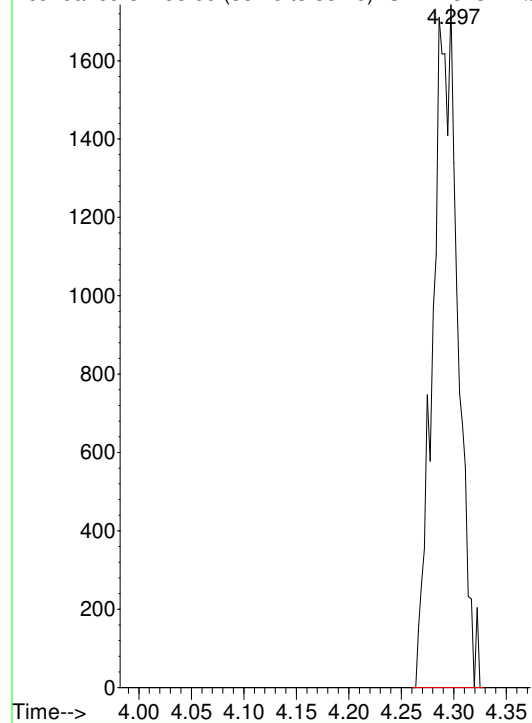
Data Path : C:\msdchem\1\data\C070323\
Data File : C22V18434.D
Acq On : 3 Jul 2023 9:35 pm
Operator :
Sample : 23F4049-01
Misc :

Quant Time : Wed Jul 05 07:28:36 2023
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Fri Apr 21 09:50:20 2023

Original Integration

CYCLOHEXANE

Abundance on 56.00 (55.70 to 56.70): C22V18434.D



Original Int. Results

RT : 4.30
Area : 2891
Amount: 0.778041

Manual Int. Results

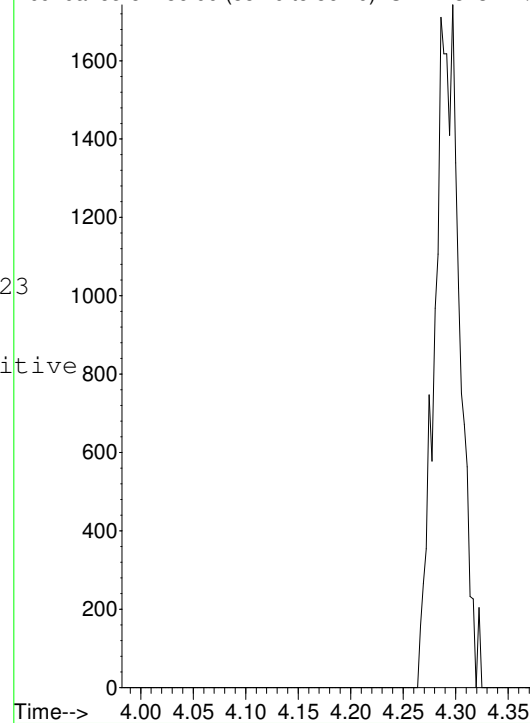
Wed Jul 05 07:28:35 2023

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration

CYCLOHEXANE

Abundance on 56.00 (55.70 to 56.70): C22V18434.D



QC DATA

2 - FORM II
SYSTEM MONITORING COMPOUND SUMMARY
SW-846 8260D

29

Laboratory:	Pace New England	SDG:	23F4049
Client:	NYDEC_AECOM - Amherst, NY	Project:	C.A.E. Electronics_CAT B - CO 147580
Matrix:	Water	Instrument:	GCMSVOA3

	1,2-DCA-d4 (70% - 130%)	BFB (70% - 130%)	TOL-d8 (70% - 130%)
23F4049-01	94.9	87.0	95.0
B344878-BLK1	97.3	87.4	94.6
B344878-BS1	97.7	92.0	96.0
B344878-BSD1	96.9	92.1	97.5

LCS / LCS DUPLICATE RECOVERY

SW-846 8260D

Laboratory: Pace New England

Work Order: 23F4049

Client: NYDEC_AECOM - Amherst, NY

Project: C.A.E. Electronics_CAT B - CO 147580

Matrix: Water

Preparation: SW-846 5030B

Batch: B344878

Laboratory ID: B344878-BS1

Column:

Initial/Final: 5 mL / 5 mL

ANALYTE	SPIKE ADDED (µg/L)	LCS CONCENTRATION (µg/L)	LCS % REC.	QC LIMITS REC.
Acetone	100	87.2	87.2	70 - 160
Benzene	10.0	10.8	108	70 - 130
Bromochloromethane	10.0	11.1	111	70 - 130
Bromodichloromethane	10.0	9.51	95.1	70 - 130
Bromoform	10.0	8.35	83.5	70 - 130
Bromomethane	10.0	11.6	116	40 - 160
2-Butanone (MEK)	100	95.8	95.8	40 - 160
Carbon Disulfide	100	96.3	96.3	70 - 130
Carbon Tetrachloride	10.0	7.72	77.2	70 - 130
Chlorobenzene	10.0	10.7	107	70 - 130
Chlorodibromomethane	10.0	9.12	91.2	70 - 130
Chloroethane	10.0	9.39	93.9	70 - 130
Chloroform	10.0	10.2	102	70 - 130
Chloromethane	10.0	9.75	97.5	40 - 160
Cyclohexane	10.0	10.2	102	70 - 130
1,2-Dibromo-3-chloropropane (DBCP)	10.0	8.19	81.9	70 - 130
1,2-Dibromoethane (EDB)	10.0	9.58	95.8	70 - 130
1,2-Dichlorobenzene	10.0	10.3	103	70 - 130
1,3-Dichlorobenzene	10.0	10.3	103	70 - 130
1,4-Dichlorobenzene	10.0	10.1	101	70 - 130
Dichlorodifluoromethane (Freon 12)	10.0	11.4	114	40 - 160
1,1-Dichloroethane	10.0	9.87	98.7	70 - 130
1,2-Dichloroethane	10.0	9.45	94.5	70 - 130
1,1-Dichloroethylene	10.0	9.61	96.1	70 - 130
cis-1,2-Dichloroethylene	10.0	9.47	94.7	70 - 130
trans-1,2-Dichloroethylene	10.0	9.48	94.8	70 - 130
1,2-Dichloropropane	10.0	9.57	95.7	70 - 130
cis-1,3-Dichloropropene	10.0	9.54	95.4	70 - 130
trans-1,3-Dichloropropene	10.0	9.21	92.1	70 - 130
1,4-Dioxane	100	75.3	75.3	40 - 130
Ethylbenzene	10.0	10.2	102	70 - 130
2-Hexanone (MBK)	100	79.9	79.9	70 - 160
Isopropylbenzene (Cumene)	10.0	9.70	97.0	70 - 130
Methyl Acetate	10.0	9.09	90.9	70 - 130
Methyl tert-Butyl Ether (MTBE)	10.0	9.04	90.4	70 - 130
Methyl Cyclohexane	10.0	10.7	107	70 - 130
Methylene Chloride	10.0	9.37	93.7	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW-846 8260D

Laboratory: Pace New England

Work Order: 23F4049

Client: NYDEC_AECOM - Amherst, NY

Project: C.A.E. Electronics_CAT B - CO 147580

Matrix: Water

Preparation: SW-846 5030B

Batch: B344878

Laboratory ID: B344878-BS1

Column:

Initial/Final: 5 mL / 5 mL

ANALYTE	SPIKE ADDED (µg/L)	LCS CONCENTRATION (µg/L)	LCS % REC.	QC LIMITS REC.
4-Methyl-2-pentanone (MIBK)	100	82.4	82.4	70 - 160
Styrene	10.0	9.62	96.2	70 - 130
1,1,2,2-Tetrachloroethane	10.0	9.85	98.5	70 - 130
Tetrachloroethylene	10.0	10.3	103	70 - 130
Toluene	10.0	10.0	100	70 - 130
1,2,3-Trichlorobenzene	10.0	7.80	78.0	70 - 130
1,2,4-Trichlorobenzene	10.0	7.68	76.8	70 - 130
1,1,1-Trichloroethane	10.0	10.1	101	70 - 130
1,1,2-Trichloroethane	10.0	9.91	99.1	70 - 130
Trichloroethylene	10.0	10.3	103	70 - 130
Trichlorofluoromethane (Freon 11)	10.0	9.85	98.5	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0	10.1	101	70 - 130
Vinyl Chloride	10.0	10.7	107	40 - 160
m+p Xylene	20.0	20.1	101	70 - 130
o-Xylene	10.0	9.62	96.2	70 - 130
Xylenes (total)	30.0	29.8	99.2	0 - 200

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
Acetone	100	87.3	87.3	0.0802	25	70 - 160
Benzene	10.0	10.9	109	0.828	25	70 - 130
Bromochloromethane	10.0	10.9	109	1.45	25	70 - 130
Bromodichloromethane	10.0	9.87	98.7	3.72	25	70 - 130
Bromoform	10.0	8.65	86.5	3.53	25	70 - 130
Bromomethane	10.0	12.1	121	4.05	25	40 - 160
2-Butanone (MEK)	100	95.7	95.7	0.178	25	40 - 160
Carbon Disulfide	100	98.6	98.6	2.38	25	70 - 130
Carbon Tetrachloride	10.0	7.80	78.0	1.03	25	70 - 130
Chlorobenzene	10.0	10.9	109	1.30	25	70 - 130
Chlorodibromomethane	10.0	9.28	92.8	1.74	25	70 - 130
Chloroethane	10.0	9.76	97.6	3.86	25	70 - 130
Chloroform	10.0	10.4	104	2.05	25	70 - 130
Chloromethane	10.0	11.0	110	11.6	25	40 - 160
Cyclohexane	10.0	10.3	103	1.08	25	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW-846 8260D

Laboratory: Pace New England

Work Order: 23F4049

Client: NYDEC_AECOM - Amherst, NY

Project: C.A.E. Electronics_CAT B - CO 147580

Matrix: Water

Preparation: SW-846 5030B

Batch: B344878

Laboratory ID: B344878-BSD1

Column:

Initial/Final: 5 mL / 5 mL

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
1,2-Dibromo-3-chloropropane (DBCP)	10.0	8.30	83.0	1.33	25	70 - 130
1,2-Dibromoethane (EDB)	10.0	9.86	98.6	2.88	25	70 - 130
1,2-Dichlorobenzene	10.0	10.6	106	3.24	25	70 - 130
1,3-Dichlorobenzene	10.0	10.8	108	5.04	25	70 - 130
1,4-Dichlorobenzene	10.0	10.3	103	2.16	25	70 - 130
Dichlorodifluoromethane (Freon 12)	10.0	11.2	112	1.51	25	40 - 160
1,1-Dichloroethane	10.0	10.1	101	2.70	25	70 - 130
1,2-Dichloroethane	10.0	9.86	98.6	4.25	25	70 - 130
1,1-Dichloroethylene	10.0	9.51	95.1	1.05	25	70 - 130
cis-1,2-Dichloroethylene	10.0	9.72	97.2	2.61	25	70 - 130
trans-1,2-Dichloroethylene	10.0	9.48	94.8	0.00	25	70 - 130
1,2-Dichloropropane	10.0	10.3	103	7.35	25	70 - 130
cis-1,3-Dichloropropene	10.0	9.52	95.2	0.210	25	70 - 130
trans-1,3-Dichloropropene	10.0	9.44	94.4	2.47	25	70 - 130
1,4-Dioxane	100	80.0	80.0	5.99	50	40 - 130
Ethylbenzene	10.0	10.6	106	3.75	25	70 - 130
2-Hexanone (MBK)	100	82.6	82.6	3.31	25	70 - 160
Isopropylbenzene (Cumene)	10.0	9.84	98.4	1.43	25	70 - 130
Methyl Acetate	10.0	8.77	87.7	3.58	25	70 - 130
Methyl tert-Butyl Ether (MTBE)	10.0	9.07	90.7	0.331	25	70 - 130
Methyl Cyclohexane	10.0	10.4	104	2.66	25	70 - 130
Methylene Chloride	10.0	9.51	95.1	1.48	25	70 - 130
4-Methyl-2-pentanone (MIBK)	100	83.3	83.3	1.01	25	70 - 160
Styrene	10.0	9.63	96.3	0.104	25	70 - 130
1,1,2,2-Tetrachloroethane	10.0	9.92	99.2	0.708	25	70 - 130
Tetrachloroethylene	10.0	10.7	107	3.90	25	70 - 130
Toluene	10.0	10.3	103	2.57	25	70 - 130
1,2,3-Trichlorobenzene	10.0	7.83	78.3	0.384	25	70 - 130
1,2,4-Trichlorobenzene	10.0	7.41	74.1	3.58	25	70 - 130
1,1,1-Trichloroethane	10.0	10.2	102	0.591	25	70 - 130
1,1,2-Trichloroethane	10.0	10.3	103	3.86	25	70 - 130
Trichloroethylene	10.0	10.1	101	2.75	25	70 - 130
Trichlorofluoromethane (Freon 11)	10.0	9.91	99.1	0.607	25	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0	10.2	102	1.19	25	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW-846 8260D

Laboratory:	Pace New England	Work Order:	23F4049
Client:	NYDEC_AECOM - Amherst, NY	Project:	C.A.E. Electronics_CAT B - CO 147580
Matrix:	Water	Preparation:	SW-846 5030B
Batch:	B344878	Laboratory ID:	B344878-BSD1
Column:		Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
Vinyl Chloride	10.0	11.2	112	4.02	25	40 - 160
m+p Xylene	20.0	20.5	103	1.97	25	70 - 130
o-Xylene	10.0	9.72	97.2	1.03	25	70 - 130
Xylenes (total)	30.0	30.3	101	1.67	200	0 - 200

4 - FORM IV
METHOD BLANK SUMMARY

SW-846 8260D

Laboratory:	Pace New England	Work Order:	23F4049
Client:	NYDEC_AECOM - Amherst, NY	Project:	C.A.E. Electronics_CAT B - CO 147580
Blank ID:	B344878-BLK1	Batch:	B344878
		Prepared:	07/02/2023 07:16

Client Sample ID	Laboratory Sample ID	Lab File ID	Time Analyzed
LCS	B344878-BS1	C22V18429.D	19:21
LCS Dup	B344878-BSD1	C22V18430.D	19:48
EB-06272023	23F4049-01	C22V18434.D	21:35

5 - FORM V

INSTRUMENT PERFORMANCE CHECK

35

SW-846 8260D

Laboratory:	Pace New England	Work Order:	23F4049
Client:	NYDEC_AECOM - Amherst, NY	Project:	C.A.E. Electronics_CAT B - CO 147580
Lab File ID:	C22V21909.D	Injection Date:	08/08/22
Instrument ID:	GCMSVOA3	Injection Time:	10:18
Sequence:	S075427	Lab Sample ID:	S075427-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	PASS/FAIL
50	15 - 40% of 95	20.3	PASS
75	30 - 60% of 95	49.3	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.45	PASS
173	Less than 2% of 174	0.647	PASS
174	50 - 200% of 95	89.4	PASS
175	5 - 9% of 174	7.49	PASS
176	95 - 101% of 174	97.9	PASS
177	5 - 9% of 176	6.76	PASS

Client ID	Sample ID	File ID	Date Analyzed	Time Analyzed
0.4 PPB	S075427-CAL1	C22V21910.D	08/08/2022	10:45:00
0.5 PPB	S075427-CAL2	C22V21911.D	08/08/2022	11:09:00
1.0 PPB	S075427-CAL3	C22V21912.D	08/08/2022	11:33:00
2.0 PPB	S075427-CAL4	C22V21913.D	08/08/2022	11:58:00
5.0 PPB	S075427-CAL5	C22V21914.D	08/08/2022	12:22:00
10 PPB	S075427-CAL6	C22V21915.D	08/08/2022	12:46:00
20 PPB	S075427-CAL7	C22V21916.D	08/08/2022	13:10:00
50 PPB	S075427-CAL8	C22V21917.D	08/08/2022	13:34:00
50 PPB	S075427-CAL8	C22V21920.D	08/08/2022	13:34:00
100 PPB	S075427-CAL9	C22V21921.D	08/08/2022	13:59:00
100 PPB	S075427-CAL9	C22V21918.D	08/08/2022	13:59:00
200 PPB	S075427-CALA	C22V21919.D	08/08/2022	14:23:00
200 PPB	S075427-CALA	C22V21922.D	08/08/2022	14:23:00
Initial Cal Check	S075427-ICV1	C22V21926.D	08/08/2022	17:12:00

CALIBRATION DATA

6 - FORM VI

INITIAL CALIBRATION DATA SHEET

37

SW-846 8260D

Client: NYDEC AECOM - Amherst, NY

SDG: 23F4049

Project: C.A.E. Electronics CAT B - CO 147580

Calibration: 2200537

Instrument: GCMSVOA3

Calibration Date: 8/8/2022 10:18:58AM

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
		RF		RF		RF		RF		RF		RF
Acetone	4	0.1963823	5	0.1847193	10	0.1890443	20	0.1758233	50	0.1841132	100	0.1802103
Acrolein	4	7.910751E-02	5	7.680109E-02	10	0.0846155	20	8.462922E-02	50	0.091402	100	9.448151E-02
Acrylonitrile	0.4	0.1806301	0.5	0.1732519	1	0.2229185	2	0.2151418	5	0.2328436	10	0.2509535
tert-Amyl Methyl Ether (TAME)	0.4	1.057976	0.5	1.066165	1	1.234782	2	1.300498	5	1.339449	10	1.348555
Benzene	0.4	1.58061	0.5	1.484573	1	1.628864	2	1.645603	5	1.640637	10	1.704337
Bromobenzene	0.4	0.872733	0.5	0.9135854	1	1.030576	2	1.024715	5	0.9857867	10	1.04333
Bromochloromethane	0.4	0.294246	0.5	0.3241886	1	0.3752202	2	0.4061261	5	0.4255206	10	0.4268708
Bromodichloromethane	0.4	0.2928342	0.5	0.3004643	1	0.3838227	2	0.3855285	5	0.4027596	10	0.4159011
Bromoform			0.5	0.319884	1	0.4565927	2	0.4726873	5	0.5195616	10	0.5302586
Bromomethane							2	0.3582036	5	0.305726	10	0.2847553
2-Butanone (MEK)	4	0.1996559	5	0.1960318	10	0.2394114	20	0.2497464	50	0.2778149	100	0.2809742
tert-Butyl Alcohol (TBA)	4	6.974863E-02	5	6.059166E-02	10	6.774852E-02	20	7.291917E-02	50	6.977643E-02	100	7.362063E-02
n-Butylbenzene			0.5	1.074107	1	1.229302	2	1.442681	5	1.505298	10	1.602753
sec-Butylbenzene	0.4	1.800851	0.5	1.692398	1	2.174478	2	2.156456	5	2.111596	10	2.262527
tert-Butylbenzene	0.4	1.454685	0.5	1.320711	1	1.606914	2	1.597722	5	1.600215	10	1.65297
tert-Butyl Ethyl Ether (TBEE)	0.4	1.136545	0.5	1.175261	1	1.317558	2	1.357989	5	1.392616	10	1.454633
Carbon Disulfide	4	1.070224	5	1.047662	10	1.207455	20	1.278152	50	1.302909	100	1.339261
Carbon Tetrachloride	0.4	0.4425245	0.5	0.4100397	1	0.5109978	2	0.5149912	5	0.5297085	10	0.5463335
Chlorobenzene	0.4	1.363348	0.5	1.299771	1	1.479386	2	1.518184	5	1.568401	10	1.648763
Chlorodibromomethane	0.4	0.302932	0.5	0.2615113	1	0.3077744	2	0.3154275	5	0.3335198	10	0.3456485
Chloroethane	0.4	0.3431587	0.5	0.3434044	1	0.382391	2	0.3836943	5	0.3700846	10	0.3850966
2-Chloroethyl Vinyl Ether					10	0.1246265	20	0.129844	50	0.152713	100	0.1576571
Chloroform	0.4	0.6859322	0.5	0.6533362	1	0.7002447	2	0.7427606	5	0.7792626	10	0.7956987
Chloromethane	0.4	0.8388323	0.5	0.8169801	1	0.8360224	2	0.8037815	5	0.7304494	10	0.641401
2-Chlorotoluene	0.4	1.465493	0.5	1.538715	1	1.543378	2	1.617333	5	1.740921	10	1.845726
4-Chlorotoluene	0.4	1.47449	0.5	1.432374	1	1.93533	2	1.953204	5	1.913858	10	2.04178
Cyclohexane							2	0.8899794	5	0.7200859	10	0.6757271
1,2-Dibromo-3-chloropropane (DBCP)					1	0.1326683	2	0.1401352	5	0.1645137	10	0.1636918
1,2-Dibromoethane (EDB)	0.4	0.2089454	0.5	0.1998182	1	0.2743848	2	0.2940507	5	0.3106677	10	0.3204987
Dibromomethane	0.4	0.1558676	0.5	0.1642342	1	0.1849596	2	0.1879665	5	0.2023329	10	0.2146711
1,2-Dichlorobenzene	0.4	0.9617611	0.5	0.9632691	1	1.077844	2	1.202837	5	1.271961	10	1.286543

6 - FORM VI

INITIAL CALIBRATION DATA SHEET

38

SW-846 8260D

Client: NYDEC AECOM - Amherst, NY

SDG: 23F4049

Project: C.A.E. Electronics CAT B - CO 147580

Calibration: 2200537

Instrument: GCMSVOA3

Calibration Date: 8/8/2022 10:18:58AM

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
		RF		RF		RF		RF		RF		RF
1,3-Dichlorobenzene	0.4	0.9387953	0.5	0.9588177	1	1.138336	2	1.184092	5	1.187706	10	1.268794
1,4-Dichlorobenzene	0.4	1.059226	0.5	1.090132	1	1.32233	2	1.240101	5	1.298012	10	1.265077
trans-1,4-Dichloro-2-butene					1	0.1831127	2	0.2335835	5	0.2120949	10	0.225333
Dichlorodifluoromethane (Freon	0.4	0.380132	0.5	0.3347263	1	0.448643	2	0.4436171	5	0.4287707	10	0.4404408
1,1-Dichloroethane	0.4	0.6797699	0.5	0.7301992	1	0.7816178	2	0.7884871	5	0.7982727	10	0.8004482
1,2-Dichloroethane	0.4	0.3518671	0.5	0.3512084	1	0.405942	2	0.4227912	5	0.445066	10	0.4504847
1,1-Dichloroethylene	0.4	0.577323	0.5	0.5752334	1	0.6424106	2	0.6744455	5	0.6513734	10	0.6674
cis-1,2-Dichloroethylene	0.4	0.591188	0.5	0.5606666	1	0.6572199	2	0.6771906	5	0.6881979	10	0.7149877
trans-1,2-Dichloroethylene	0.4	0.5164711	0.5	0.585771	1	0.6332133	2	0.6004831	5	0.594251	10	0.6561584
Dichlorofluoromethane (Freon 2	0.4	0.8053252	0.5	0.7162523	1	0.8344635	2	0.8550767	5	0.8552112	10	0.8733873
1,2-Dichloropropane	0.4	0.2783349	0.5	0.2434034	1	0.2769127	2	0.3126555	5	0.3082023	10	0.3181089
1,3-Dichloropropane	0.4	0.3598935	0.5	0.3987942	1	0.4565004	2	0.4981697	5	0.5055421	10	0.5286579
2,2-Dichloropropane	0.4	0.5056872	0.5	0.531533	1	0.6131039	2	0.6202483	5	0.6075581	10	0.6102824
1,1-Dichloropropene	0.4	0.48566	0.5	0.3973325	1	0.5463842	2	0.5438545	5	0.5573345	10	0.5687858
cis-1,3-Dichloropropene	0.4	0.3875976	0.5	0.3703691	1	0.4547098	2	0.4508316	5	0.464396	10	0.4893783
trans-1,3-Dichloropropene	0.4	0.2917986	0.5	0.3170982	1	0.3645473	2	0.3872877	5	0.4127665	10	0.4289665
Diethyl Ether	0.4	0.299638	0.5	0.2894763	1	0.3750643	2	0.3731843	5	0.3919462	10	0.3979727
Difluorochloromethane (Freon 2	0.4	0.5488228	0.5	0.5005398	1	0.5307955	2	0.5661295	5	0.5688019	10	0.5842988
Diisopropyl Ether (DIPE)	0.4	1.300999	0.5	1.343554	1	1.493866	2	1.556817	5	1.573028	10	1.608036
1,4-Dioxane							20	3.848888E-03	50	4.479251E-03	100	4.414266E-03
Ethanol							20	1.444736E-02	50	9.302706E-03	100	9.869131E-03
Ethyl Acetate	0.4	0.6655198	0.5	0.6570553	1	0.7270573	2	0.6853477	5	0.5977464	10	0.6206604
Ethylbenzene	0.4	2.113295	0.5	1.970968	1	2.368142	2	2.457065	5	2.540927	10	2.703932
Hexachlorobutadiene			0.5	0.1744924	1	0.2261548	2	0.2957406	5	0.2959699	10	0.3045425
2-Hexanone (MBK)	4	0.2261115	5	0.213715	10	0.2509699	20	0.2522941	50	0.2827812	100	0.2978231
Iodomethane					10	0.3815024	20	0.4321345	50	0.4931354	100	0.5262144
Isopropylbenzene (Cumene)	0.4	1.987863	0.5	1.861613	1	2.188056	2	2.371013	5	2.374954	10	2.517328
p-Isopropyltoluene (p-Cymene)	0.4	1.558311	0.5	1.511674	1	1.786784	2	1.817128	5	1.863428	10	1.88396
Methyl Acetate	0.4	0.876961	0.5	0.6833995	1	0.7487256	2	0.7121718	5	0.7182462	10	0.6812939
Methyl tert-Butyl Ether (MTBE)	0.4	1.163119	0.5	1.27041	1	1.413272	2	1.390696	5	1.405064	10	1.487417
Methyl Cyclohexane	0.4	0.2726388	0.5	0.2316123	1	0.3277871	2	0.3420286	5	0.3272422	10	0.3352233

6 - FORM VI

INITIAL CALIBRATION DATA SHEET

39

SW-846 8260D

Client: NYDEC AECOM - Amherst, NY

SDG: 23F4049

Project: C.A.E. Electronics CAT B - CO 147580

Calibration: 2200537

Instrument: GCMSVOA3

Calibration Date: 8/8/2022 10:18:58AM

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
		RF		RF		RF		RF		RF		RF
Methylene Chloride	0.4	0.5715459	0.5	0.5867008	1	0.6589347	2	0.641582	5	0.6709968	10	0.6763439
4-Methyl-2-pentanone (MIBK)	4	0.3450835	5	0.3391014	10	0.3708144	20	0.377916	50	0.4085731	100	0.4246754
Naphthalene							2	1.428566	5	1.653864	10	1.86344
n-Propylbenzene	0.4	2.060899	0.5	2.074726	1	2.500883	2	2.544848	5	2.641219	10	2.795744
Styrene	0.4	1.231035	0.5	1.319575	1	1.473765	2	1.548925	5	1.662313	10	1.808054
1,1,1,2-Tetrachloroethane	0.4	0.4673276	0.5	0.4662644	1	0.5670657	2	0.5497547	5	0.5828648	10	0.6039109
1,1,2,2-Tetrachloroethane	0.4	0.7187213	0.5	0.6845432	1	0.8210886	2	0.9206956	5	0.9432509	10	0.9653231
Tetrachloroethylene	0.4	0.1840894	0.5	0.2185578	1	0.2619558	2	0.2874938	5	0.2953985	10	0.2979786
Tetrahydrofuran					1	0.1585372	2	0.1684741	5	0.1808417	10	0.1969971
Toluene	0.4	1.05353	0.5	1.052572	1	1.138091	2	1.194808	5	1.170137	10	1.211481
1,2,3-Trichlorobenzene					1	0.4834718	2	0.5219218	5	0.6352284	10	0.6413806
1,2,4-Trichlorobenzene					1	0.4642246	2	0.5458611	5	0.6231059	10	0.6705392
1,3,5-Trichlorobenzene			0.5	0.4389017	1	0.6745692	2	0.6778659	5	0.7523267	10	0.7617107
1,1,1-Trichloroethane	0.4	0.5103089	0.5	0.5507487	1	0.6065566	2	0.6265229	5	0.6505149	10	0.6682944
1,1,2-Trichloroethane	0.4	0.2252571	0.5	0.2038188	1	0.2627985	2	0.2814166	5	0.2904676	10	0.2906006
Trichloroethylene	0.4	0.2353548	0.5	0.2111883	1	0.2678543	2	0.2828559	5	0.2696666	10	0.2903711
Trichlorofluoromethane (Freon)	0.4	0.5842555	0.5	0.4977504	1	0.6218335	2	0.6572686	5	0.6453944	10	0.673414
1,2,3-Trichloropropane	0.4	0.6102251	0.5	0.7999254	1	0.8446533	2	0.6889522	5	0.7218566	10	0.7028892
1,1,2-Trichloro-1,2,2-trifluoroethane	0.4	0.3396924	0.5	0.2823478	1	0.3926795	2	0.3996946	5	0.3885121	10	0.386176
1,2,4-Trimethylbenzene	0.4	1.721311	0.5	1.658568	1	1.947177	2	1.914918	5	1.948587	10	2.086244
1,3,5-Trimethylbenzene	0.4	1.710536	0.5	1.525369	1	1.804752	2	1.824289	5	1.914609	10	2.046769
Vinyl Acetate	4	1.056397	5	1.030151	10	1.235202	20	1.296953	50	1.366532	100	1.417923
Vinyl Chloride	0.4	0.4791126	0.5	0.4280158	1	0.5000857	2	0.5143637	5	0.5383857	10	0.5375438
m+p Xylene	0.8	1.593042	1	1.612982	2	1.824641	4	1.969007	10	1.938837	20	2.066525
o-Xylene	0.4	1.643321	0.5	1.622669	1	1.956301	2	2.041312	5	2.094468	10	2.2272
1,2-Dichloroethane-d4	25	0.5744299	25	0.5666049	25	0.5687509	25	0.5742991	25	0.5695746	25	0.5703371
Toluene-d8	25	1.19338	25	1.185863	25	1.168675	25	1.181205	25	1.195803	25	1.194198
4-Bromofluorobenzene	25	0.8774963	25	0.8873316	25	0.8698178	25	0.8772521	25	0.8944266	25	0.8769361

6 - FORM VI

INITIAL CALIBRATION DATA SHEET (Continued)

40

SW-846 8260D

Client: NYDEC AECOM - Amherst, NY

SDG: 23F4049

Project: C.A.E. Electronics CAT B - CO 147580

Calibration: 2200537

Instrument: GCMSVOA3

Calibration Date: 8/8/2022 10:18:58AM

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
		RF		RF		RF		RF		RF		RF
Acetone	200	0.1810109	500	0.1787821	1000	0.1758926	2000	0.1749453				
Acrolein	200	9.797075E-02	500	0.0957349	1000	0.1010301	2000	0.1089096				
Acrylonitrile	20	0.2325875	50	0.2469831	100	0.2505761	200	0.2535139				
tert-Amyl Methyl Ether (TAME)	20	1.418358	50	1.442062	100	1.444687	200	1.471992				
Benzene	20	1.751483	50	1.746032	100	1.740147	200	1.754166				
Bromobenzene	20	1.101743	50	1.128908	100	1.15561	200	1.193408				
Bromochloromethane	20	0.4355634	50	0.4115939	100	0.3655887	200	0.3280994				
Bromodichloromethane	20	0.4275677	50	0.4397246	100	0.4377103	200	0.4539452				
Bromoform	20	0.5651722	50	0.5913464	100	0.6165399	200	0.6393994				
Bromomethane	20	0.2396955	50	0.3519376	100	0.3065038	200	0.3088966				
2-Butanone (MEK)	200	0.2894437	500	0.2990833	1000	0.2974443	2000	0.304489				
tert-Butyl Alcohol (TBA)	200	7.492953E-02	500	7.608853E-02	1000	7.627423E-02	2000	7.663326E-02				
n-Butylbenzene	20	1.717598	50	1.778443	100	1.783658	200	1.813523				
sec-Butylbenzene	20	2.315684	50	2.328897	100	2.286265	200	2.304764				
tert-Butylbenzene	20	1.725328	50	1.717742	100	1.692573	200	1.697572				
tert-Butyl Ethyl Ether (TBEE)	20	1.478033	50	1.50443	100	1.500669	200	1.515914				
Carbon Disulfide	200	1.386367	500	1.372749	1000	1.357673	2000	1.142375				
Carbon Tetrachloride	20	0.5693897	50	0.5835041	100	0.581051	200	0.59375				
Chlorobenzene	20	1.68339	50	1.731779	100	1.727886	200	1.742896				
Chlorodibromomethane	20	0.3583264	50	0.3697259	100	0.3748433	200	0.3941981				
Chloroethane	20	0.3662299	50	0.3575274	100	0.3402515	200	0.3293663				
2-Chloroethyl Vinyl Ether	200	0.1732422	500	0.18249	1000	0.1856442	2000	0.1985999				
Chloroform	20	0.8058299	50	0.8122728	100	0.803669	200	0.8123524				
Chloromethane	20	0.6138682	50	0.5835993	100	0.5945298	200	0.6359343				
2-Chlorotoluene	20	1.878196	50	1.932696	100	1.922132	200	1.97908				
4-Chlorotoluene	20	2.170431	50	2.236237	100	2.295302	200	2.398622				
Cyclohexane	20	0.6877821	50	0.6667298	100	0.6580311	200	0.657749				
1,2-Dibromo-3-chloropropane (DBCP)	20	0.1707952	50	0.1784092	100	0.184302	200	0.184928				
1,2-Dibromoethane (EDB)	20	0.3368415	50	0.3418306	100	0.3454023	200	0.3605203				
Dibromomethane	20	0.217448	50	0.2225062	100	0.2197977	200	0.2273191				
1,2-Dichlorobenzene	20	1.327007	50	1.341933	100	1.343828	200	1.359352				

6 - FORM VI

INITIAL CALIBRATION DATA SHEET (Continued)

41

SW-846 8260D

Client: NYDEC AECOM - Amherst, NY

SDG: 23F4049

Project: C.A.E. Electronics CAT B - CO 147580

Calibration: 2200537

Instrument: GCMSVOA3

Calibration Date: 8/8/2022 10:18:58AM

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
		RF		RF		RF		RF		RF		RF
1,3-Dichlorobenzene	20	1.294069	50	1.321151	100	1.315974	200	1.323238				
1,4-Dichlorobenzene	20	1.339288	50	1.352862	100	1.354521	200	1.386405				
trans-1,4-Dichloro-2-butene	20	0.2389417	50	0.2672585	100	0.2750189	200	0.2825371				
Dichlorodifluoromethane (Freon 22)	20	0.4726812	50	0.4720054	100	0.4620744	200	0.4580031				
1,1-Dichloroethane	20	0.8245803	50	0.8331632	100	0.8174644	200	0.8252576				
1,2-Dichloroethane	20	0.4587872	50	0.4661477	100	0.4578085	200	0.4661431				
1,1-Dichloroethylene	20	0.6933889	50	0.6880424	100	0.6675056	200	0.6660487				
cis-1,2-Dichloroethylene	20	0.7347194	50	0.7454895	100	0.7434478	200	0.7512378				
trans-1,2-Dichloroethylene	20	0.629731	50	0.6609526	100	0.6481576	200	0.6536793				
Dichlorofluoromethane (Freon 21)	20	0.8904211	50	0.8724643	100	0.8531753	200	0.8473825				
1,2-Dichloropropane	20	0.3192734	50	0.3346675	100	0.326992	200	0.3447291				
1,3-Dichloropropane	20	0.5428413	50	0.5581388	100	0.5542633	200	0.5721622				
2,2-Dichloropropane	20	0.619092	50	0.6725158	100	0.6531247	200	0.6551492				
1,1-Dichloropropene	20	0.5914566	50	0.590646	100	0.592957	200	0.5993243				
cis-1,3-Dichloropropene	20	0.5066113	50	0.5329659	100	0.5279705	200	0.5497739				
trans-1,3-Dichloropropene	20	0.4476515	50	0.4661945	100	0.469724	200	0.494503				
Diethyl Ether	20	0.4044277	50	0.3999504	100	0.3928471	200	0.3891104				
Difluorochloromethane (Freon 21)	20	0.6141899	50	0.6086493	100	0.5969917	200	0.6016047				
Diisopropyl Ether (DIPE)	20	1.662618	50	1.681104	100	1.67452	200	1.690981				
1,4-Dioxane	200	5.007413E-03	500	4.992229E-03	1000	4.966866E-03	2000	5.412238E-03				
Ethanol	200	1.028131E-02	500	9.800591E-03	1000	9.414962E-03	2000	9.453498E-03				
Ethyl Acetate	20	0.6125814	50	0.6419027	100	0.6577116	200	0.6405164				
Ethylbenzene	20	2.76132	50	2.853386	100	2.849683	200	2.87192				
Hexachlorobutadiene	20	0.3142774	50	0.3087043	100	0.3190778	200	0.3286969				
2-Hexanone (MBK)	200	0.3154004	500	0.3272563	1000	0.3316082	2000	0.3455153				
Iodomethane	200	0.577763	500	0.6189346	1000	0.6455201	2000	0.660844				
Isopropylbenzene (Cumene)	20	2.584254	50	2.678198	100	2.662854	200	2.726081				
p-Isopropyltoluene (p-Cymene)	20	1.974552	50	2.011394	100	1.99889	200	2.015096				
Methyl Acetate	20	0.6950739	50	0.669153	100	0.6544937	200	0.6491057				
Methyl tert-Butyl Ether (MTBE)	20	1.461741	50	1.535596	100	1.49686	200	1.5039				
Methyl Cyclohexane	20	0.3625505	50	0.3712061	100	0.3652758	200	0.372607				

6 - FORM VI

INITIAL CALIBRATION DATA SHEET (Continued)

42

SW-846 8260D

Client: NYDEC AECOM - Amherst, NY

SDG: 23F4049

Project: C.A.E. Electronics CAT B - CO 147580

Calibration: 2200537

Instrument: GCMSVOA3

Calibration Date: 8/8/2022 10:18:58AM

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
		RF		RF		RF		RF		RF		RF
Methylene Chloride	20	0.6834239	50	0.6604383	100	0.6456928	200	0.6321265				
4-Methyl-2-pentanone (MIBK)	200	0.4458509	500	0.4594866	1000	0.4598359	2000	0.4807751				
Naphthalene	20	2.061553	50	2.366484	100	2.436525	200	2.44123				
n-Propylbenzene	20	2.923039	50	3.043173	100	3.046953	200	3.150196				
Styrene	20	1.868234	50	1.940366	100	1.951764	200	2.027108				
1,1,1,2-Tetrachloroethane	20	0.6332262	50	0.6503205	100	0.6525668	200	0.6707237				
1,1,2,2-Tetrachloroethane	20	1.001356	50	1.035623	100	1.036847	200	1.049987				
Tetrachloroethylene	20	0.3061689	50	0.3159858	100	0.3162456	200	0.3242048				
Tetrahydrofuran	20	0.1911038	50	0.1999544	100	0.2000376	200	0.2048099				
Toluene	20	1.263838	50	1.288627	100	1.271498	200	1.306984				
1,2,3-Trichlorobenzene	20	0.6948166	50	0.7725901	100	0.781866	200	0.7794507				
1,2,4-Trichlorobenzene	20	0.718192	50	0.7853718	100	0.8043983	200	0.82126				
1,3,5-Trichlorobenzene	20	0.8118502	50	0.8361906	100	0.8513403	200	0.8670792				
1,1,1-Trichloroethane	20	0.6745466	50	0.6779332	100	0.6740426	200	0.6826553				
1,1,2-Trichloroethane	20	0.3014292	50	0.3098672	100	0.3098774	200	0.3215206				
Trichloroethylene	20	0.2970176	50	0.3055363	100	0.2997401	200	0.3087742				
Trichlorofluoromethane (Freon)	20	0.6979003	50	0.6873674	100	0.6691811	200	0.6570662				
1,2,3-Trichloropropane	20	0.7440779	50	0.7903051	100	0.7958581	200	0.828061				
1,1,2-Trichloro-1,2,2-trifluoroeth	20	0.4042439	50	0.4001972	100	0.3956299	200	0.386297				
1,2,4-Trimethylbenzene	20	2.090814	50	2.143732	100	2.114989	200	2.121372				
1,3,5-Trimethylbenzene	20	2.100422	50	2.19535	100	2.200627	200	2.313521				
Vinyl Acetate	200	1.457975	500	1.484021	1000	1.474087	2000	1.306462				
Vinyl Chloride	20	0.567628	50	0.5608506	100	0.5497029	200	0.5458885				
m+p Xylene	40	2.133801	100	2.248885	200	2.229151	400	2.285227				
o-Xylene	20	2.282851	50	2.34778	100	2.339416	200	2.391261				
1,2-Dichloroethane-d4	25	0.5610286	25	0.5524272	25	0.5494297	25	0.5426527				
Toluene-d8	25	1.198554	25	1.19135	25	1.179521	25	1.192773				
4-Bromofluorobenzene	25	0.8912293	25	0.8943519	25	0.9015015	25	0.9241038				

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

43

SW-846 8260D

Laboratory:	Pace New England	Work Order:	23F4049
Client:	NYDEC_AECOM - Amherst, NY	Project:	C.A.E. Electronics_CAT B - CO 147580
Calibration:	2200537	Instrument:	GCMSVOA3
		Calibration Date:	8/8/2022 10:18:58AM

COMPOUND	Mean RF	RF RSD	Linear r ²	Quad COD	LIMIT	Q
Acetone	0.1820924	3.7			20	
Acrolein	9.146822E-02	11.1			20	
Acrylonitrile	0.22594	12.8			20	
tert-Amyl Methyl Ether (TAME)	1.312452	11.5			20	
Benzene	1.667645	5.3			20	
Bromobenzene	1.045039	9.9			20	
Bromochloromethane	0.3793018	13.2			20	
Bromodichloromethane	0.3940258	14.3			20	
Bromoform	0.5234936	18.7			20	
Bromomethane	0.3079598	13.0			20	
2-Butanone (MEK)	0.2634095	15.3			20	
tert-Butyl Alcohol (TBA)	7.183306E-02	7.0			20	
n-Butylbenzene	1.549707	16.9			20	
sec-Butylbenzene	2.143392	10.4			20	
tert-Butylbenzene	1.606643	8.0			20	
tert-Butyl Ethyl Ether (TBEE)	1.383365	9.9			20	
Carbon Disulfide	1.250483	10.1			20	
Carbon Tetrachloride	0.528229	11.6			20	
Chlorobenzene	1.57638	10.1			20	
Chlorodibromomethane	0.3363907	11.9			20	
Chloroethane	0.3601205	5.7			20	
2-Chloroethyl Vinyl Ether	0.1631021	16.3			20	
Chloroform	0.7591359	7.8			20	
Chloromethane	0.7095398	15.0			20	
2-Chlorotoluene	1.746367	10.9			20	
4-Chlorotoluene	1.985163	16.3			20	
Cyclohexane	0.7080121	11.7			20	
1,2-Dibromo-3-chloropropane (DBCP)	0.1649304	11.8			20	
1,2-Dibromoethane (EDB)	0.299296	18.8			20	
Dibromomethane	0.1997103	12.7			20	
1,2-Dichlorobenzene	1.213634	12.9			20	

6 - FORM VI

INITIAL CALIBRATION DATA SHEET (Continued)

44

SW-846 8260D

Laboratory:	Pace New England	Work Order:	23F4049
Client:	NYDEC_AECOM - Amherst, NY	Project:	C.A.E. Electronics_CAT B - CO 147580
Calibration:	2200537	Instrument:	GCMSVOA3
		Calibration Date:	8/8/2022 10:18:58AM

COMPOUND	Mean RF	RF RSD	Linear r ²	Quad COD	LIMIT	Q
1,3-Dichlorobenzene	1.193097	12.1			20	
1,4-Dichlorobenzene	1.270795	8.8			20	
trans-1,4-Dichloro-2-butene	0.239735	14.1			20	
Dichlorodifluoromethane (Freon 12)	0.4341094	10.1			20	
1,1-Dichloroethane	0.787926	6.1			20	
1,2-Dichloroethane	0.4276246	10.4			20	
1,1-Dichloroethylene	0.6503172	6.4			20	
cis-1,2-Dichloroethylene	0.6864345	9.7			20	
trans-1,2-Dichloroethylene	0.6178868	7.3			20	
Dichlorofluoromethane (Freon 21)	0.8403159	5.9			20	
1,2-Dichloropropane	0.306328	10.1			20	
1,3-Dichloropropane	0.4974963	14.4			20	
2,2-Dichloropropane	0.6088295	8.7			20	
1,1-Dichloropropene	0.5473735	11.5			20	
cis-1,3-Dichloropropene	0.4734604	12.7			20	
trans-1,3-Dichloropropene	0.4080538	16.5			20	
Diethyl Ether	0.3713617	11.2			20	
Difluorochloromethane (Freon 22)	0.5720824	6.4			20	
Diisopropyl Ether (DIPE)	1.558552	9.0			20	
1,4-Dioxane	4.731593E-03	10.9			20	
Ethanol	1.036708E-02	17.7			20	
Ethyl Acetate	0.6506099	5.8			20	
Ethylbenzene	2.549064	12.6			20	
Hexachlorobutadiene	0.2852952	17.9			20	
2-Hexanone (MBK)	0.2843475	16.4			20	
Iodomethane	0.5420061	18.8			20	
Isopropylbenzene (Cumene)	2.395221	12.5			20	
p-Isopropyltoluene (p-Cymene)	1.842122	9.9			20	
Methyl Acetate	0.7088624	9.4			20	
Methyl tert-Butyl Ether (MTBE)	1.412808	8.2			20	
Methyl Cyclohexane	0.3308172	13.9			20	

6 - FORM VI

INITIAL CALIBRATION DATA SHEET (Continued)

45

SW-846 8260D

Laboratory:	Pace New England	Work Order:	23F4049
Client:	NYDEC_AECOM - Amherst, NY	Project:	C.A.E. Electronics_CAT B - CO 147580
Calibration:	2200537	Instrument:	GCMSVOA3
		Calibration Date:	8/8/2022 10:18:58AM

COMPOUND	Mean RF	RF RSD	Linear r ²	Quad COD	LIMIT	Q
Methylene Chloride	0.6427786	5.8			20	
4-Methyl-2-pentanone (MIBK)	0.4112112	12.4			20	
Naphthalene	2.035952	19.8			20	
n-Propylbenzene	2.678168	14.5			20	
Styrene	1.683114	16.6			20	
1,1,1,2-Tetrachloroethane	0.5844025	12.5			20	
1,1,2,2-Tetrachloroethane	0.9177436	14.5			20	
Tetrachloroethylene	0.2808079	16.4			20	
Tetrahydrofuran	0.1875945	8.9			20	
Toluene	1.195157	7.7			20	
1,2,3-Trichlorobenzene	0.6638408	17.5			20	
1,2,4-Trichlorobenzene	0.6791191	18.9			20	
1,3,5-Trichlorobenzene	0.7413149	18.0			20	
1,1,1-Trichloroethane	0.6322124	9.4			20	
1,1,2-Trichloroethane	0.2797054	13.7			20	
Trichloroethylene	0.2768359	11.5			20	
Trichlorofluoromethane (Freon 11)	0.6391431	9.3			20	
1,2,3-Trichloropropane	0.7526804	9.7			20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1	0.377547	10.1			20	
1,2,4-Trimethylbenzene	1.974771	8.7			20	
1,3,5-Trimethylbenzene	1.963624	12.7			20	
Vinyl Acetate	1.31257	12.5			20	
Vinyl Chloride	0.5221577	8.2			20	
m+p Xylene	1.99021	12.6			20	
o-Xylene	2.094658	13.4			20	
1,2-Dichloroethane-d4	0.5629535	2.0			20	
Toluene-d8	1.188132	0.8			20	
4-Bromofluorobenzene	0.8894447	1.8			20	

INITIAL CALIBRATION STANDARDS

46

SW-846 8260D

Laboratory:	Pace New England	Work Order:	23F4049
Client:	NYDEC_AECOM - Amherst, NY	Project:	C.A.E. Electronics_CAT B - CO 147580
Sequence:	S075427	Instrument:	GCMSVOA3
Calibration:	2200537		

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
2007196	8260 STD 10PPB CLP	S075427-TUN1	C22V21909.D	08/08/22 10:18
2006160	0.4ppb 8260 Calibration Standard	S075427-CAL1	C22V21910.D	08/08/22 10:45
2006161	0.5ppb 8260 Calibration Standard	S075427-CAL2	C22V21911.D	08/08/22 11:09
2006162	1ppb 8260 Calibration Standard	S075427-CAL3	C22V21912.D	08/08/22 11:33
2006163	2ppb 8260 Calibration Standard	S075427-CAL4	C22V21913.D	08/08/22 11:58
2006164	5ppb 8260 Calibration Standard	S075427-CAL5	C22V21914.D	08/08/22 12:22
2006165	10ppb 8260 Calibration Standard	S075427-CAL6	C22V21915.D	08/08/22 12:46
2006166	20ppb 8260 Calibration Standard	S075427-CAL7	C22V21916.D	08/08/22 13:10
2006167	50ppb 8260 Calibration Standard	S075427-CAL8	C22V21917.D	08/08/22 13:34
2006168	100ppb 8260 Calibration Standard	S075427-CAL9	C22V21918.D	08/08/22 13:59
2006169	200ppb 8260 Calibration Standard	S075427-CALA	C22V21919.D	08/08/22 14:23
2006167	50ppb 8260 Calibration Standard	S075427-CAL8	C22V21920.D	08/08/22 14:47
2006168	100ppb 8260 Calibration Standard	S075427-CAL9	C22V21921.D	08/08/22 15:11
2006169	200ppb 8260 Calibration Standard	S075427-CALA	C22V21922.D	08/08/22 15:35

C:\msdchem\1\data\C080822\

Date		Filename	Lab ID	Sample Info
8 Aug 2022	6:52 am	C22V21901.D	BLK	
8 Aug 2022	7:28 am	C22V21902.D	22H0307-02 @ 100X	
8 Aug 2022	7:52 am	C22V21903.D	22H0307-03 @ 100X	
8 Aug 2022	8:16 am	C22V21904.D	22H0307-04 @ 100X	
8 Aug 2022	8:40 am	C22V21905.D	22H0364-01 @ 100X	
8 Aug 2022	9:04 am	C22V21906.D	22H0345-02 @ 100X	
8 Aug 2022	9:30 am	C22V21907.D	22H0353-05 @ 100X	
8 Aug 2022	9:54 am	C22V21908.D	22H0364-02 @ 100X	
8 Aug 2022	10:18 am	C22V21909.D	BFB	
8 Aug 2022	10:45 am	C22V21910.D	8260STD 0.4PPB 2206105	
8 Aug 2022	11:09 am	C22V21911.D	8260STD 0.5PPB 2206105	
8 Aug 2022	11:33 am	C22V21912.D	8260STD 1.0PPB 2206105	
8 Aug 2022	11:58 am	C22V21913.D	8260STD 2.0PPB 2206105	
8 Aug 2022	12:22 pm	C22V21914.D	8260STD 5.0PPB 2206105	
8 Aug 2022	12:46 pm	C22V21915.D	8260STD 10PPB 2206105	
8 Aug 2022	1:10 pm	C22V21916.D	8260STD 20PPB 2206105	
8 Aug 2022	1:34 pm	C22V21917.D	8260STD 50PPB 2206105	
8 Aug 2022	1:59 pm	C22V21918.D	8260STD 100PPB 2206105	
8 Aug 2022	2:23 pm	C22V21919.D	8260STD 200PPB 2206105	
8 Aug 2022	2:47 pm	C22V21920.D	ETOH500PPB	
8 Aug 2022	3:11 pm	C22V21921.D	ETOH1000PPB	
8 Aug 2022	3:35 pm	C22V21922.D	ETOH2000PPB	
8 Aug 2022	3:59 pm	C22V21923.D	BLK	
8 Aug 2022	4:23 pm	C22V21924.D	BLK	
8 Aug 2022	4:48 pm	C22V21925.D	BLK	
8 Aug 2022	5:12 pm	C22V21926.D	ICV 2208129	
8 Aug 2022	5:36 pm	C22V21927.D	CHECKICV 2208129	
8 Aug 2022	6:00 pm	C22V21928.D	BLK	
8 Aug 2022	6:24 pm	C22V21929.D	PRIME	
8 Aug 2022	6:48 pm	C22V21930.D	8260STD 10PPB 2206105	
8 Aug 2022	7:12 pm	C22V21931.D	B0-BS1	
8 Aug 2022	7:37 pm	C22V21932.D	B0-BSD1	
8 Aug 2022	8:01 pm	C22V21933.D	B0-BS1 @ HCL	
8 Aug 2022	8:25 pm	C22V21934.D	BLK	
8 Aug 2022	8:49 pm	C22V21935.D	B0-BLK1 @ HCL	
8 Aug 2022	9:13 pm	C22V21936.D	22H0307-05	
8 Aug 2022	9:37 pm	C22V21937.D	22H0267-01 @ 50X M	50
8 Aug 2022	10:01 pm	C22V21938.D	22H0267-02 @ 50X M	50
8 Aug 2022	10:25 pm	C22V21939.D	22H0267-03 @ 50X M	50
8 Aug 2022	10:49 pm	C22V21940.D	22H0267-04 @ 50X M	50
8 Aug 2022	11:13 pm	C22V21941.D	22H0267-05 @ 50X M	50
8 Aug 2022	11:37 pm	C22V21942.D	22H0316-01	
9 Aug 2022	12:01 am	C22V21943.D	22H0316-02	
9 Aug 2022	12:25 am	C22V21944.D	BLK	
9 Aug 2022	12:49 am	C22V21945.D	22H0307-03	
9 Aug 2022	1:13 am	C22V21946.D	22H0307-01 @ 20X	20
9 Aug 2022	1:37 am	C22V21947.D	22H0307-02 @ 2X	2
9 Aug 2022	2:01 am	C22V21948.D	22H0307-04 @ 2X	2
9 Aug 2022	2:25 am	C22V21949.D	BLK	
9 Aug 2022	2:49 am	C22V21950.D	22H0369-01	
9 Aug 2022	3:13 am	C22V21951.D	22H0369-03	
9 Aug 2022	3:37 am	C22V21952.D	22H0369-05	
9 Aug 2022	4:01 am	C22V21953.D	22H0369-06	
9 Aug 2022	4:25 am	C22V21954.D	22H0369-02	
9 Aug 2022	4:49 am	C22V21955.D	22H0369-04	
9 Aug 2022	5:13 am	C22V21956.D	CLEAN UP	

Method Path : C:\msdchem\1\methods\
Method File : C080822.M
Title : 8260 WATER 5MLS VOAMS 5973 #3
Last Update : Tue Aug 09 06:47:59 2022
Response Via : Initial Calibration

Calibration Files

0.4 =C22V21910.D 0.5 =C22V21911.D 1.0 =C22V21912.D 2.0 =C22V21913.D 5.0 =C22V21914.D 10 =C22V21915.D 20 =C22V21916.D
50 =C22V21917.D 100 =C22V21918.D 200 =C22V21919.D

Compound		0.4	0.5	1.0	2.0	5.0	10	20	50	100	200	Avg	%RSD
-----ISTD-----													
1) S	PENTAFLUOROBENZENE...	0.574	0.567	0.569	0.574	0.570	0.570	0.561	0.552	0.549	0.543	0.563	1.98
2)	1,2-DICHLOROET...	0.380	0.335	0.449	0.444	0.429	0.440	0.473	0.472	0.462	0.458	0.434	10.14
3)	DICHLORODIFLUO...	0.549	0.501	0.531	0.566	0.569	0.584	0.614	0.609	0.597	0.602	0.572	6.43
4)	DIFLUOROCHLORO...	0.839	0.817	0.836	0.804	0.730	0.641	0.614	0.584	0.595	0.636	0.710	14.99
5) P	CHLOROMETHANE	0.479	0.428	0.500	0.514	0.538	0.538	0.568	0.561	0.550	0.546	0.522	8.24#
6) C	VINYL CHLORIDE				0.358	0.306	0.285	0.240	0.352	0.307	0.309	0.308	13.03
7)	BROMOMETHANE	0.343	0.343	0.382	0.384	0.370	0.385	0.366	0.358	0.340	0.329	0.360	5.65
8)	CHLOROETHANE	0.805	0.716	0.834	0.855	0.855	0.873	0.890	0.872	0.853	0.847	0.840	5.88
9)	FLUORODICHLORO...	0.584	0.498	0.622	0.657	0.645	0.673	0.698	0.687	0.669	0.657	0.639	9.31
10)	TRICHLOROFLUOR...				0.014	0.009	0.010	0.010	0.009	0.009	0.009	0.010	17.65
11)	ETHANOL	0.300	0.289	0.375	0.373	0.392	0.398	0.404	0.400	0.393	0.389	0.371	11.24
12)	DI ETHYL ETHER	0.079	0.077	0.085	0.085	0.091	0.094	0.098	0.096	0.101	0.109	0.091	11.09
13)	ACROLEIN	0.196	0.185	0.189	0.176	0.184	0.180	0.181	0.179	0.176	0.175	0.182	3.70
14)	ACETONE	0.577	0.575	0.642	0.674	0.651	0.667	0.693	0.688	0.668	0.666	0.650	6.43#
15) C	1,1-DICHLOROET...	0.340	0.282	0.393	0.400	0.389	0.386	0.404	0.400	0.396	0.386	0.378	10.08
16)	1,1,2-TRICL-1,...				0.382	0.432	0.493	0.526	0.578	0.619	0.646	0.542	18.78
17)	IODOMETHANE												-1.00
18)	ACETONITRILE												-1.00
19)	ALLYL CHLORIDE	0.877	0.683	0.749	0.712	0.718	0.681	0.695	0.669	0.654	0.649	0.709	9.36
20)	METHYL ACETATE	0.070	0.061	0.068	0.073	0.070	0.074	0.075	0.076	0.076	0.077	0.072	6.98
21)	T-BUTYL ALCOHOL	0.181	0.173	0.223	0.215	0.233	0.251	0.233	0.247	0.251	0.254	0.226	12.76
22)	ACRYLONITRILE	0.572	0.587	0.659	0.642	0.671	0.676	0.683	0.660	0.646	0.632	0.643	5.80
23)	METHYLENE CHLO...	1.070	1.048	1.207	1.278	1.303	1.339	1.386	1.373	1.358		1.262	10.12
24)	CARBON DISULFIDE	1.163	1.270	1.413	1.391	1.405	1.487	1.462	1.536	1.497	1.504	1.413	8.23
25)	METHYL TERT-BU...	0.516	0.586	0.633	0.600	0.594	0.656	0.630	0.661	0.648	0.654	0.618	7.25
26)	TRANS 1,2-DICH...	0.680	0.730	0.782	0.788	0.798	0.800	0.825	0.833	0.817	0.825	0.788	6.13
27) P	1,1-DICHLOROET...	1.056	1.030	1.235	1.297	1.367	1.418	1.458	1.484	1.474	1.306	1.313	12.50
28)	VINYL ACETATE	1.301	1.344	1.494	1.557	1.573	1.608	1.663	1.681	1.675	1.691	1.559	8.98
29)	DI ISOPROYL ETHER												-1.00
30)	CHLOROPRENE	0.200	0.196	0.239	0.250	0.278	0.281	0.289	0.299	0.297	0.304	0.263	15.33
31)	2-BUTANONE	1.137	1.175	1.318	1.358	1.393	1.455	1.478	1.504	1.501	1.516	1.383	9.91
32)	T-BUTYL ETHYL ...	0.591	0.561	0.657	0.677	0.688	0.715	0.735	0.745	0.743	0.751	0.686	9.70
33)	CIS-1,2-DICHL...	0.506	0.532	0.613	0.620	0.608	0.610	0.619	0.673	0.653	0.655	0.609	8.66
34)	2,2-DICHLOROPR...	0.666	0.657	0.727	0.685	0.598	0.621	0.613	0.642	0.658	0.641	0.651	5.77
35)	ETHYL ACETATE												-1.00
36)	PROPIONITRILE												-1.00
37)	METHACRYLONITRILE	0.294	0.324	0.375	0.406	0.426	0.427	0.436	0.412	0.366	0.328	0.379	13.16
38)	BROMOCHLOROMET...	0.159	0.168	0.181	0.197	0.191	0.197	0.191	0.200	0.200	0.205	0.188	8.92
39)	TETRAHYDROFURAN	0.686	0.653	0.700	0.743	0.779	0.796	0.806	0.812	0.804	0.812	0.759	7.84#
40) C	CHLOROFORM	0.510	0.551	0.607	0.627	0.651	0.668	0.675	0.678	0.674	0.683	0.632	9.43
41)	1,1,1-TRICHLOR...				0.890	0.720	0.676	0.688	0.667	0.658	0.658	0.708	11.74
42)	CYCLOHEXANE												11.63
43)	CARBON TETRACH...	0.443	0.410	0.511	0.515	0.530	0.546	0.569	0.584	0.581	0.594	0.528	11.63

Method Path : C:\msdchem\1\methods\

Method File : C080822.M

Title : 8260 WATER 5MLS VOAMS 5973 #3

44)	1,1-DICHLOROPR...	0.486	0.397	0.546	0.544	0.557	0.569	0.591	0.591	0.593	0.599	0.547	11.47
45)	BENZENE	1.581	1.485	1.629	1.646	1.641	1.704	1.751	1.746	1.740	1.754	1.668	5.33
46)	ISOBUTANOL											0.000	-1.00
47)	T-AMYL METHYL E...	1.058	1.066	1.235	1.300	1.339	1.349	1.418	1.442	1.445	1.472	1.312	11.49
48)	1,4-DIFLUOROBENZEN...	-----ISTD-----											
49)	S TOLUENE SS	1.193	1.186	1.169	1.181	1.196	1.194	1.199	1.191	1.180	1.193	1.188	0.78
50)	1,2-DICHLOROET...	0.352	0.351	0.406	0.423	0.445	0.450	0.459	0.466	0.458	0.466	0.428	10.38
51)	TRICHLOROETHENE	0.235	0.211	0.268	0.283	0.270	0.290	0.297	0.306	0.300	0.309	0.277	11.52
52)	METHYLCYCLOHEXANE	0.273	0.232	0.328	0.342	0.327	0.335	0.363	0.371	0.365	0.373	0.331	13.88
53)	1,2-DICHLOROPR...	0.278	0.243	0.277	0.313	0.308	0.318	0.319	0.335	0.327	0.345	0.306	10.13#
54)	DIBROMOMETHANE	0.156	0.164	0.185	0.188	0.202	0.215	0.217	0.223	0.220	0.227	0.200	12.68
55)	METHYL METHACR...											0.000	-1.00
56)	1,4-DIOXANE				0.004	0.004	0.004	0.005	0.005	0.005	0.005	0.005	10.93
57)	BROMODICHLOROM...	0.293	0.300	0.384	0.386	0.403	0.416	0.428	0.440	0.438	0.454	0.394	14.27
58)	2-CHLOROETHYLIV...			0.125	0.130	0.153	0.158	0.173	0.182	0.186	0.199	0.163	16.34
59)	MIBK	0.345	0.339	0.371	0.378	0.409	0.425	0.446	0.459	0.460	0.481	0.411	12.36
60)	CIS-1,3-DICHLOR...	0.388	0.370	0.455	0.451	0.464	0.489	0.507	0.533	0.528	0.550	0.473	12.72
61)	C TOLUENE	1.054	1.053	1.138	1.195	1.170	1.211	1.264	1.289	1.271	1.307	1.195	7.71#
62)	TRANS-1,3,-DIC...	0.292	0.317	0.365	0.387	0.413	0.429	0.448	0.466	0.470	0.495	0.408	16.50
63)	ETHYL METHACRY...											0.000	-1.00
64)	1,1,2-TRICHLOR...	0.225	0.204	0.263	0.281	0.290	0.291	0.301	0.310	0.310	0.322	0.280	13.74
65)	2-HEXANONE	0.226	0.214	0.251	0.252	0.283	0.298	0.315	0.327	0.332	0.346	0.284	16.36
66)	TETRACHLOROETHENE	0.184	0.219	0.262	0.287	0.295	0.298	0.306	0.316	0.316	0.324	0.281	16.43
67)	1,3-DICHLOROPR...	0.360	0.399	0.457	0.498	0.506	0.529	0.543	0.558	0.554	0.572	0.497	14.36
68)	DIBROMOCHLOROM...	0.303	0.262	0.308	0.315	0.334	0.346	0.358	0.370	0.375	0.394	0.336	11.93
69)	1,2-DIBROMOETHANE	0.209	0.200	0.274	0.294	0.311	0.320	0.337	0.342	0.345	0.361	0.299	18.76
70)	CHLOROBENZENE-D5	-----ISTD-----											
71)	S 4-BROMOFLUOROB...	0.877	0.887	0.870	0.877	0.894	0.877	0.891	0.894	0.902	0.924	0.889	1.77
72)	T CHLOROBENZENE	1.363	1.300	1.479	1.518	1.568	1.649	1.683	1.732	1.728	1.743	1.576	10.06
73)	1,1,1,2-TETRAC...	0.467	0.466	0.567	0.550	0.583	0.604	0.633	0.650	0.653	0.671	0.584	12.55
74)	C ETHYLBENZENE	2.113	1.971	2.368	2.457	2.541	2.704	2.761	2.853	2.850	2.872	2.549	12.55#
75)	M/P-XYLENES	1.593	1.613	1.825	1.969	1.939	2.067	2.134	2.249	2.229	2.285	1.990	12.62
76)	0-XYLENE	1.643	1.623	1.956	2.041	2.094	2.227	2.283	2.348	2.339	2.391	2.095	13.44
77)	STYRENE	1.231	1.320	1.474	1.549	1.662	1.808	1.868	1.940	1.952	2.027	1.683	16.63
78)	P BROMOFORM		0.320	0.457	0.473	0.520	0.530	0.565	0.591	0.617	0.639	0.523	18.74
79)	ISOPROPYLBENZENE	1.988	1.862	2.188	2.371	2.375	2.517	2.584	2.678	2.663	2.726	2.395	12.50
80)	CIS-1,4-DICHLOR...											0.000	-1.00
81)	P 1,1,2,2-TETRAC...	0.719	0.685	0.821	0.921	0.943	0.965	1.001	1.036	1.037	1.050	0.918	14.47
82)	1,4-DICHLORO-2...			0.183	0.234	0.212	0.225	0.239	0.267	0.275	0.283	0.240	14.15
83)	BROMOBENZENE	0.873	0.914	1.031	1.025	0.986	1.043	1.102	1.129	1.156	1.193	1.045	9.86
84)	1,2,3-TRICHLOR...	0.610	0.800	0.845	0.689	0.722	0.703	0.744	0.790	0.796	0.828	0.753	9.65
85)	N-PROPYLBENZENE	2.061	2.075	2.501	2.545	2.641	2.796	2.923	3.043	3.047	3.150	2.678	14.52
86)	2-CHLOROTOLUENE	1.465	1.539	1.543	1.617	1.741	1.846	1.878	1.933	1.922	1.979	1.746	10.91
87)	1,3,5-TRIMETHY...	1.711	1.525	1.805	1.824	1.915	2.047	2.100	2.195	2.201	2.314	1.964	12.72
88)	4-CHLOROTOLUENE	1.474	1.432	1.935	1.953	1.914	2.042	2.170	2.236	2.295	2.399	1.985	16.30
89)	1,4-DICHLOROBENZEN...	-----ISTD-----											
90)	TERT-BUTYLBENZENE	1.455	1.321	1.607	1.598	1.600	1.653	1.725	1.718	1.693	1.698	1.607	8.01
91)	1,2,4-TRIMETHY...	1.721	1.659	1.947	1.915	1.949	2.086	2.091	2.144	2.115	2.121	1.975	8.69
92)	SEC-BUTYLBENZENE	1.801	1.692	2.174	2.156	2.112	2.263	2.316	2.329	2.286	2.305	2.143	10.40
93)	1,3-DICHLOROB...	0.939	0.959	1.138	1.184	1.188	1.269	1.294	1.321	1.316	1.323	1.193	12.08

Method Path : C:\msdchem\1\methods\
 Method File : C080822.M
 Title : 8260 WATER 5MLS VOAMS 5973 #3

94)	P-ISOPROPYL TOL...	1.558	1.512	1.787	1.817	1.863	1.884	1.975	2.011	1.999	2.015	1.842	9.85
95)	1,4-DICHLOROBE...	1.059	1.090	1.322	1.240	1.298	1.265	1.339	1.353	1.355	1.386	1.271	8.84
96)	1,2,3-TRIMETHY...	1.883	1.770	2.150	2.212	2.239	2.303	2.366	2.351	2.311	2.306	2.189	9.30
97)	N-BUTYL BENZENE		1.074	1.229	1.443	1.505	1.603	1.718	1.778	1.784	1.814	1.550	16.92
98)	1,2-DICHLOROBE...	0.962	0.963	1.078	1.203	1.272	1.287	1.327	1.342	1.344	1.359	1.214	12.91
99)	1,2-DIBROMO-3-...			0.133	0.140	0.165	0.164	0.171	0.178	0.184	0.185	0.165	11.79
100)	1,3,5-TRICHLOR...			0.439	0.675	0.678	0.752	0.762	0.812	0.836	0.851	0.867	18.00
101)	1,2,4-TRICHLOR...				0.464	0.546	0.623	0.671	0.718	0.785	0.804	0.821	18.94
102)	HEXACHLORO BUTA...			0.174	0.226	0.296	0.296	0.305	0.314	0.309	0.319	0.329	17.86
103)	NAPHTHALENE					1.429	1.654	1.863	2.062	2.366	2.437	2.441	19.84
104)	1,2,3-TRICHLOR...					0.483	0.522	0.635	0.641	0.695	0.773	0.779	17.46

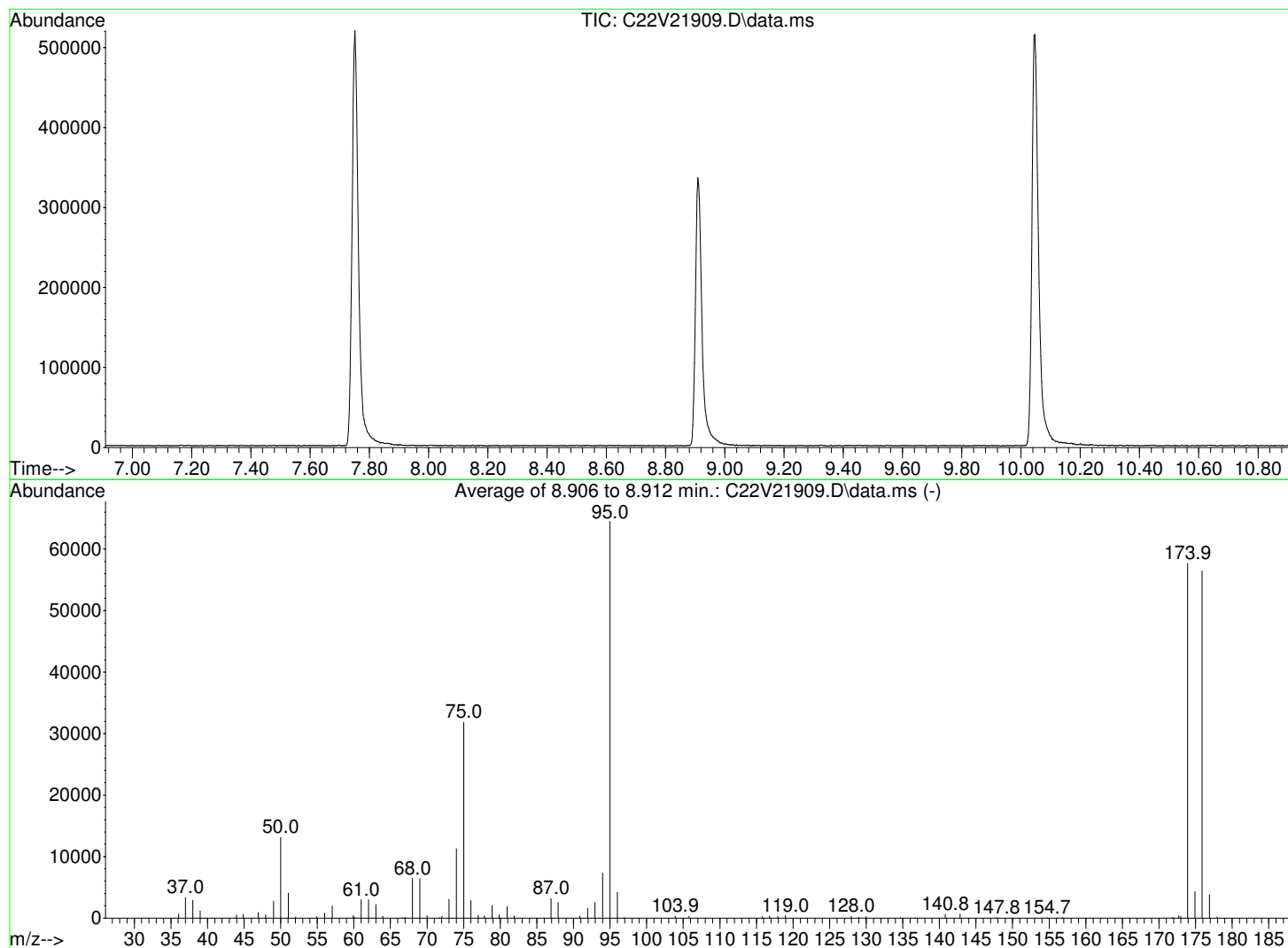
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 Acq On : 8 Aug 2022 10:18 am
 Operator :
 Sample : BFB
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Inst : GCMSVOA3

Integration File: 8260B.P

Method : C:\msdchem\1\methods\C080822.M
 Title : 8260 WATER 5MLS VOAMS 5973 #3
 Last Update : Tue Aug 09 06:47:59 2022



AutoFind: Scans 2823, 2824, 2825; Background Corrected with Scan 2812

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
50	95	15	40	20.3	13103	PASS
75	95	30	60	49.3	31856	PASS
95	95	100	100	100.0	64555	PASS
96	95	5	9	6.5	4167	PASS
173	174	0.00	2	0.6	373	PASS
174	95	50	100	89.4	57683	PASS
175	174	5	9	7.5	4323	PASS
176	174	95	101	97.9	56467	PASS
177	176	5	9	6.8	3816	PASS

Data Path : C:\msdchem\1\data\C080822\
 Data File : C22V21910.D
 Acq On : 8 Aug 2022 10:45 am
 Operator :
 Sample : 8260STD 0.4PPB 2206105
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Inst : GCMSVOA3

Quant Time: Aug 08 12:14:45 2022
 Quant Method : C:\msdchem\1\methods\C051619.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Mon Aug 08 11:15:01 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	4.191	168	194735	30.00	UG/L	0.00
48) 1,4-DIFLUOROBENZENE - ...	4.916	114	289669	30.00	UG/L	0.00
70) CHLOROBENZENE-D5 ISTD	7.749	82	141710	30.00	UG/L	0.00
89) 1,4-DICHLOROETHANE-D4...	10.047	152	133895	30.00	UG/L	# 0.00
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.464	65	93218	25.45	UG/L	0.00
Spiked Amount 25.000	Range	70 - 130	Recovery	=	101.80%	
49) TOLUENE SS	6.352	98	288071	24.94	UG/L	0.00
Spiked Amount 25.000	Range	70 - 130	Recovery	=	99.76%	
71) 4-BROMOFLUOROBENZENE SS	8.909	95	103625	24.65	UG/L	0.00
Spiked Amount 25.000	Range	70 - 130	Recovery	=	98.60%	
Target Compounds						
					Qvalue	
3) DICHLORODIFLUOROMETHANE	1.087	85	987	0.31	UG/L	# 43
4) DIFLUOROCHLOROMETHANE	1.093	51	1425	0.38	UG/L	# 100
5) CHLOROMETHANE	1.193	50	2178	0.51	UG/L	# 22
6) VINYL CHLORIDE	1.263	62	1244	0.37	UG/L	# 51
7) BROMOMETHANE	1.452	94	1504m	0.81	UG/L	
8) CHLOROETHANE	1.514	64	891m	0.48	UG/L	
9) FLUORODICHLOROMETHANE	1.642	67	2091	0.41	UG/L	95
10) TRICHLOROFLUOROMETHANE	1.676	101	1517	0.40	UG/L	96
12) DI ETHYL ETHER	1.865	59	778	0.32	UG/L	91
13) ACROLEIN	1.957	56	2054	2.56	UG/L	99
14) ACETONE	2.069	43	5099	4.17	UG/L	90
15) 1,1-DICHLOROETHENE	2.021	61	1499	0.40	UG/L	96
16) 1,1,2-TRICL-1,2,2-TRIF...	2.024	101	882	0.43	UG/L	98
17) IODOMETHANE	2.138	142	8089	2.62	UG/L	97
20) METHYL ACETATE	2.317	43	2277	0.60	UG/L	# 64
21) T-BUTYL ALCOHOL	2.507	59	1811m	3.85	UG/L	
22) ACRYLONITRILE	2.615	53	469m	0.29	UG/L	
23) METHYLENE CHLORIDE	2.395	49	1484	0.37	UG/L	98
24) CARBON DISULFIDE	2.191	76	27788	3.82	UG/L	97
25) METHYL TERT-BUTYL ETHE...	2.635	73	3020m	0.36	UG/L	
26) TRANS 1,2-DICHLOROETHENE	2.629	61	1341	0.34	UG/L	# 81
27) 1,1-DICHLOROETHANE	3.039	63	1765	0.34	UG/L	# 51
28) VINYL ACETATE	3.114	43	27429	2.73	UG/L	99
29) DI ISOPROYL ETHER	3.131	45	3378	0.30	UG/L	# 87
31) 2-BUTANONE	3.695	43	5184	2.36	UG/L	# 93
32) T-BUTYL ETHYL ETHER	3.502	59	2951m	0.31	UG/L	
33) CIS-1,2-DICHLOROETHENE	3.642	61	1535	0.34	UG/L	# 46
34) 2,2-DICHLOROPROPANE	3.633	77	1313	0.34	UG/L	# 47
35) ETHYL ACETATE	3.781	43	1728m	0.39	UG/L	
38) BROMOCHLOROMETHANE	3.884	49	764	0.28	UG/L	# 18
39) TETRAHYDROFURAN	3.965	42	300m	0.23	UG/L	
40) CHLOROFORM	3.973	83	1781	0.37	UG/L	# 80
41) 1,1,1-TRICHLOROETHANE	4.141	97	1325	0.34	UG/L	# 88
42) CYCLOHEXANE	4.191	56	5046	1.10	UG/L	# 43
43) CARBON TETRACHLORIDE	4.311	117	1149	0.35	UG/L	# 3
44) 1,1-DICHLOROPROPENE	4.316	75	1261	0.35	UG/L	# 39
45) BENZENE	4.514	78	4104m	0.37	UG/L	
47) T-AMYL METHYL ETHER	4.654	73	2747	0.33	UG/L	# 72
50) 1,2-DICHLOROETHANE	4.548	62	1359	0.34	UG/L	# 74
51) TRICHLOROETHENE	5.167	95	909	0.36	UG/L	# 75
52) METHYLCYCLOHEXANE	5.340	83	1053	0.30	UG/L	# 60
53) 1,2-DICHLOROPROPANE	5.393	63	1075m	0.35	UG/L	
54) DIBROMOMETHANE	5.496	93	602	0.32	UG/L	# 45

Data Path : C:\msdchem\1\data\C080822\
 Data File : C22V21910.D
 Acq On : 8 Aug 2022 10:45 am
 Operator :
 Sample : 8260STD 0.4PPB 2206105
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Inst : GCMSVOA3

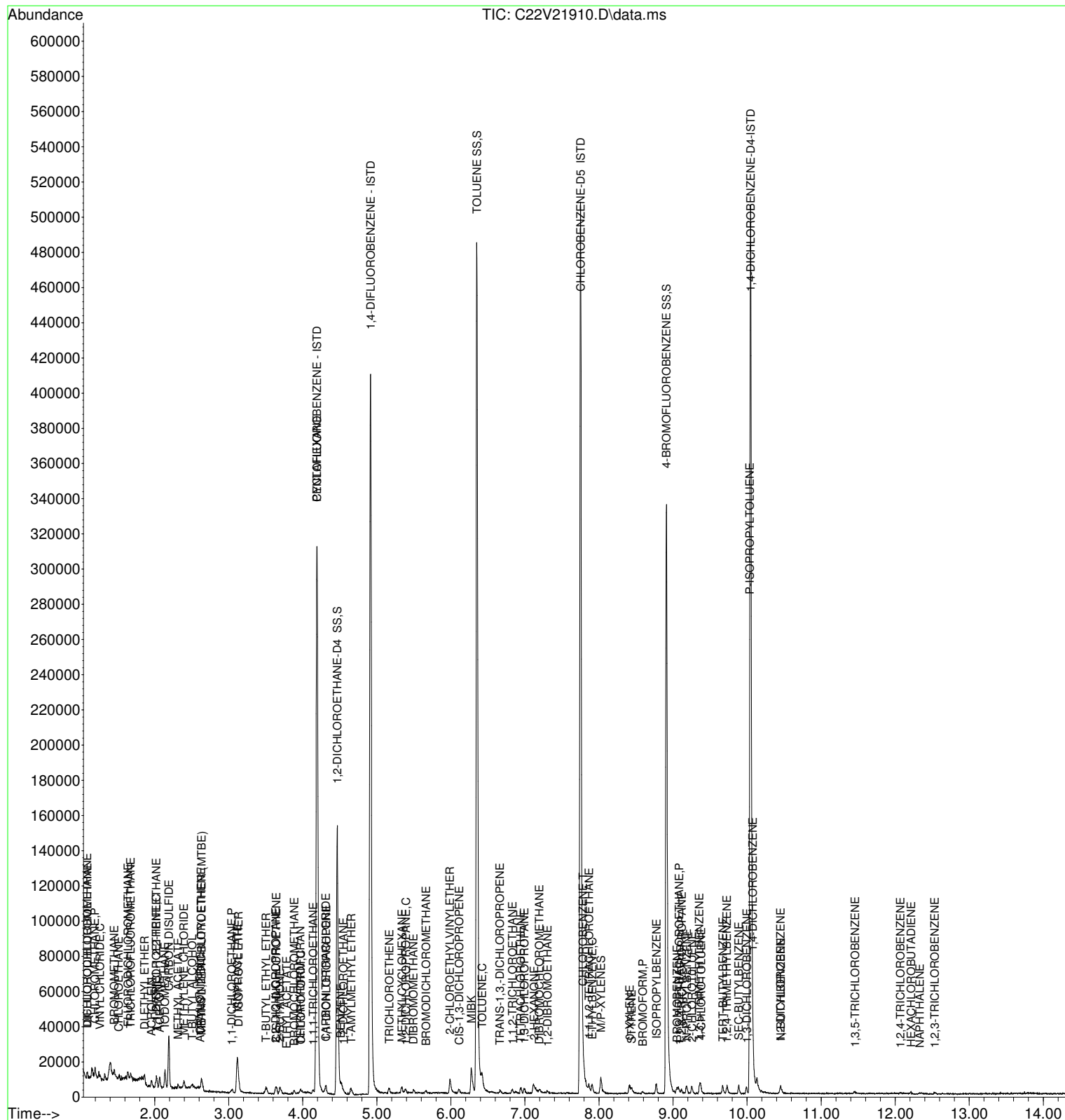
Quant Time: Aug 08 12:14:45 2022
 Quant Method : C:\msdchem\1\methods\C051619.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Mon Aug 08 11:15:01 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
57) BROMODICHLOROMETHANE	5.663	83	1131	0.31	UG/L	# 95
58) 2-CHLOROETHYL VINYLETHYLETH	5.987	63	3813m	2.56	UG/L	
59) MIBK	6.277	43	13328m	2.96	UG/L	
60) CIS-1,3-DICHLOROPROPENE	6.112	75	1497m	0.32	UG/L	
61) TOLUENE	6.422	91	4069m	0.36	UG/L	
62) TRANS-1,3,-DICHLOROPRO...	6.662	75	1127m	0.27	UG/L	
64) 1,1,2-TRICHLOROETHANE	6.829	97	870	0.33	UG/L	# 15
65) 2-HEXANONE	7.122	43	8733m	2.70	UG/L	
66) TETRACHLOROETHENE	6.943	166	711m	0.27	UG/L	
67) 1,3-DICHLOROPROPANE	6.991	76	1390m	0.28	UG/L	
68) DIBROMOCHLOROMETHANE	7.194	129	1170m	0.39	UG/L	
69) 1,2-DIBROMOETHANE	7.306	107	807	0.27	UG/L	90
72) CHLOROBENZENE	7.783	112	2576	0.37	UG/L	# 73
73) 1,1,1,2-TETRACHLOROETHANE	7.866	131	883	0.35	UG/L	# 65
74) ETHYLBENZENE	7.908	91	3993	0.33	UG/L	91
75) M/P-XYLENES	8.025	91	6020	0.66	UG/L	# 65
76) O-XYLENE	8.413	91	3105	0.33	UG/L	98
77) STYRENE	8.438	104	2326m	0.31	UG/L	
78) BROMOFORM	8.591	173	503m	0.23	UG/L	
79) ISOPROPYLBENZENE	8.775	105	3756	0.34	UG/L	97
81) 1,1,2,2-TETRACHLOROETHANE	9.082	83	1358	0.33	UG/L	# 87
83) BROMOBENZENE	9.054	77	1649m	0.33	UG/L	
84) 1,2,3-TRICHLOROPROPANE	9.116	75	1153m	0.33	UG/L	
85) N-PROPYLBENZENE	9.185	91	3894	0.30	UG/L	# 51
86) 2-CHLOROTOLUENE	9.255	91	2769	0.34	UG/L	# 39
87) 1,3,5-TRIMETHYLBENZENE	9.355	105	3232	0.36	UG/L	92
88) 4-CHLOROTOLUENE	9.378	91	2786	0.30	UG/L	89
90) TERT-BUTYLBENZENE	9.673	119	2597	0.36	UG/L	97
91) 1,2,4-TRIMETHYLBENZENE	9.726	105	3073	0.34	UG/L	92
92) SEC-BUTYLBENZENE	9.888	105	3215	0.32	UG/L	# 55
93) 1,3-DICHLOROBENZENE	9.997	146	1676	0.32	UG/L	98
94) P-ISOPROPYLTOLUENE	10.036	119	2782	0.32	UG/L	# 86
95) 1,4-DICHLOROBENZENE	10.075	146	1891	0.34	UG/L	# 44
97) N-BUTYLBENZENE	10.454	91	1989m	0.25	UG/L	
98) 1,2-DICHLOROBENZENE	10.451	146	1717	0.32	UG/L	# 54
100) 1,3,5-TRICHLOROBENZENE	11.455	180	778m	0.21	UG/L	
101) 1,2,4-TRICHLOROBENZENE	12.066	180	450m	0.13	UG/L	
102) HEXACHLOROBUTADIENE	12.211	225	343m	0.26	UG/L	
103) NAPHTHALENE	12.331	128	1432m	0.14	UG/L	
104) 1,2,3-TRICHLOROBENZENE	12.534	180	532m	0.16	UG/L	

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

Inst : GCMSVOA3

Quant Time: Aug 08 12:14:45 2022
Quant Method : C:\msdchem\1\methods\C051619.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Mon Aug 08 11:15:01 2022
Response via : Initial Calibration



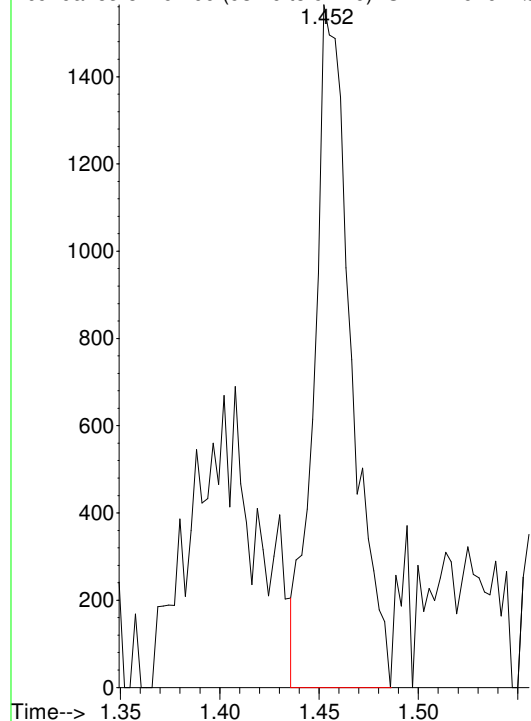
Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21910.D
Acq On : 8 Aug 2022 10:45 am
Operator :
Sample : 8260STD 0.4PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:14:45 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration

BROMOMETHANE

Abundance on 94.00 (93.70 to 94.70): C22V21910.D



Original Int. Results

RT : 1.45
Area : 2018
Amount: 1.09191

Manual Int. Results

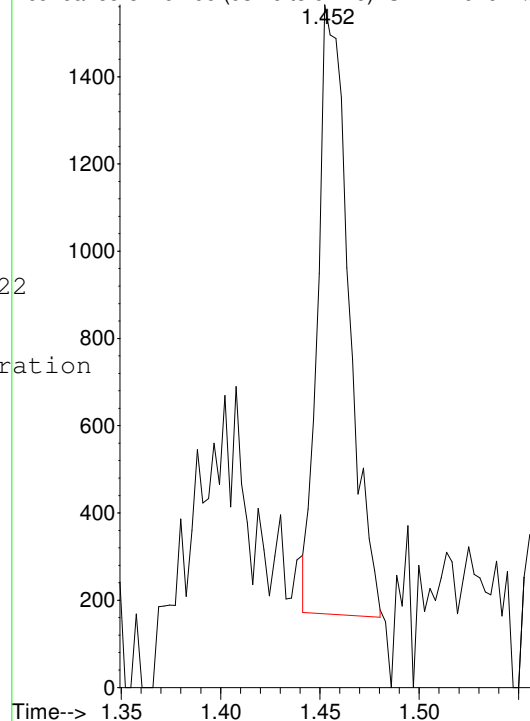
Mon Aug 08 12:12:02 2022

MIuser: EEH
Reason: Incoret Integration
RT : 1.45
Area : 1504
Amount: 0.813796

Manual Integration

BROMOMETHANE

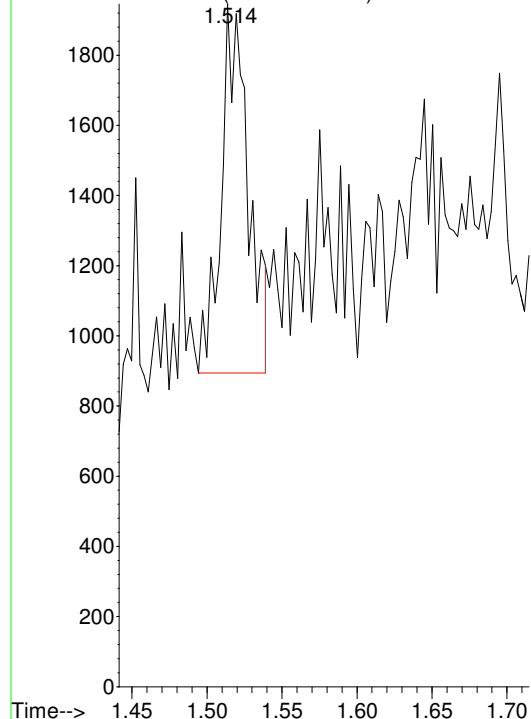
Abundance on 94.00 (93.70 to 94.70): C22V21910.D



Original Integration

CHLOROETHANE

Abundance on 64.00 (63.70 to 64.70): C22V21910.D



Original Int. Results

RT : 1.51
Area : 1315
Amount: 0.703036

Manual Int. Results

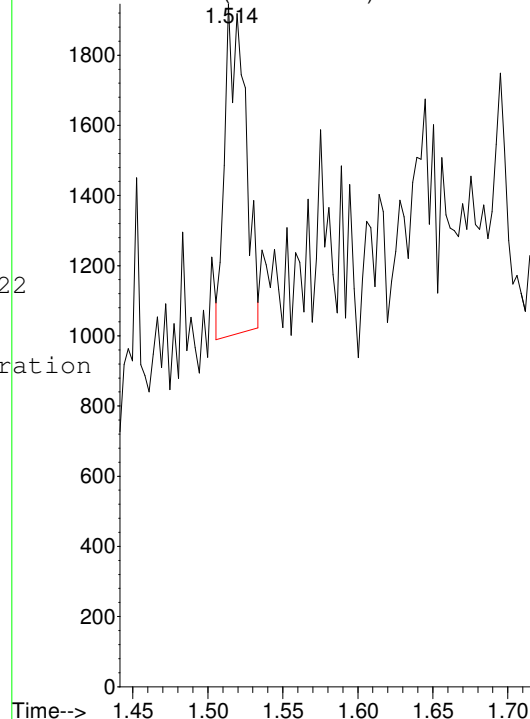
Mon Aug 08 12:12:10 2022

MIuser: EEH
Reason: Incoret Integration
RT : 1.51
Area : 891
Amount: 0.476354

Manual Integration

CHLOROETHANE

Abundance on 64.00 (63.70 to 64.70): C22V21910.D



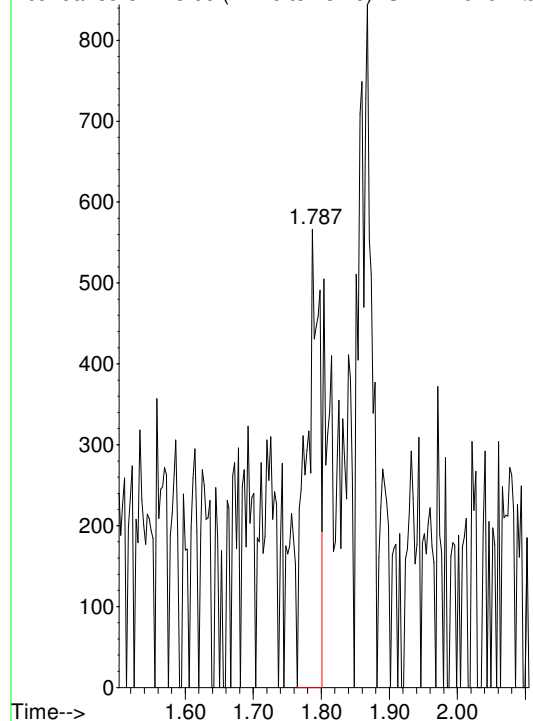
Data Path : C:\msdchem\1\data\C080822\
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Acq On : 8 Aug 2022 10:45 am
Operator :
Sample : 8260STD 0.4PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:14:45 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration

ETHANOL

Abundance 45.00 (44.70 to 45.70): C22V21910.D



Original Int. Results

RT : 1.79
Area : 753
Amount: 11.3455

Manual Int. Results

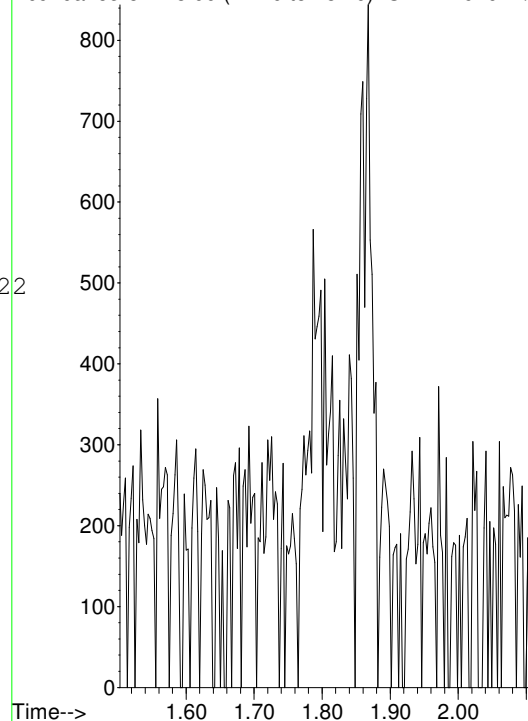
Mon Aug 08 12:12:15 2022

MIuser: EEH
Reason: Split Peak
RT : 0.00
Area : 0
Amount: 0

Manual Integration

ETHANOL

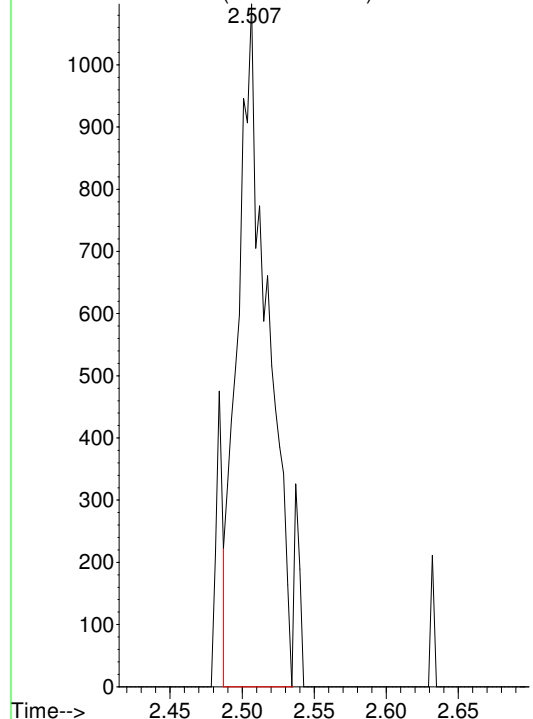
Abundance 45.00 (44.70 to 45.70): C22V21910.D



Original Integration

T-BUTYL ALCOHOL

Abundance 59.10 (58.80 to 59.80): C22V21910.D



Original Int. Results

RT : 2.51
Area : 1572
Amount: 3.34549

Manual Int. Results

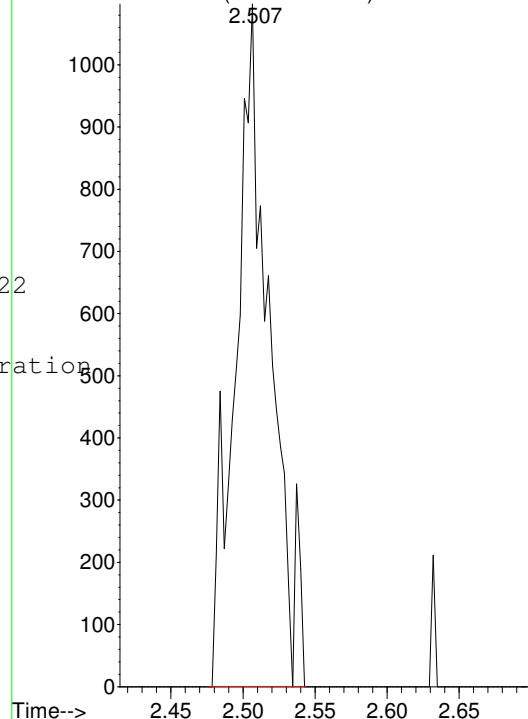
Mon Aug 08 12:12:29 2022

MIuser: EEH
Reason: Incoret Integration
RT : 2.51
Area : 1811
Amount: 3.85413

Manual Integration

T-BUTYL ALCOHOL

Abundance 59.10 (58.80 to 59.80): C22V21910.D



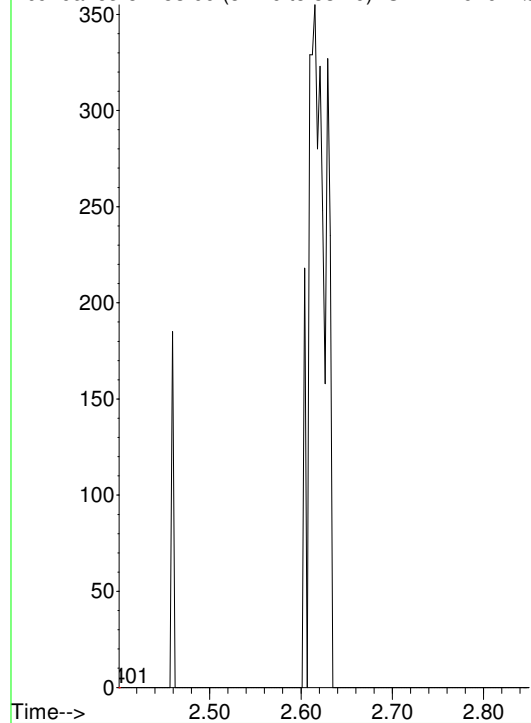
Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21910.D
Acq On : 8 Aug 2022 10:45 am
Operator :
Sample : 8260STD 0.4PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:14:45 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration

ACRYLONITRILE

Abundance on 53.00 (52.70 to 53.70): C22V21910.D



Original Int. Results

RT : 0.00
Area : 0
Amount: 0

Manual Int. Results

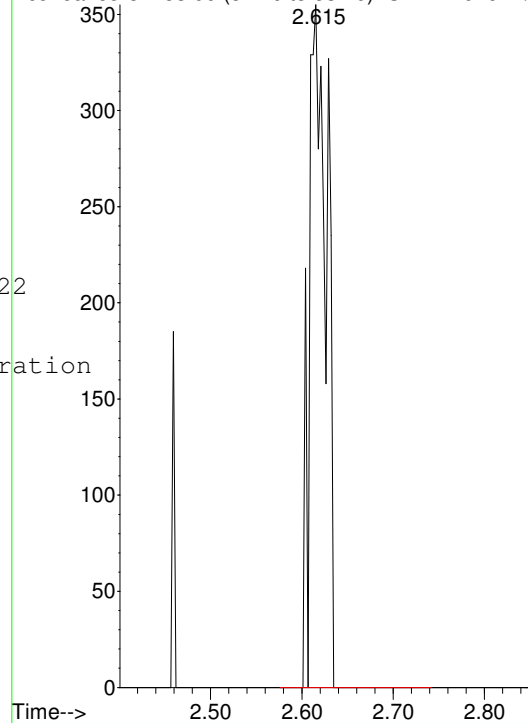
Mon Aug 08 12:12:31 2022

MIuser: EEH
Reason: Incoret Integration
RT : 2.62
Area : 469
Amount: 0.290844

Manual Integration

ACRYLONITRILE

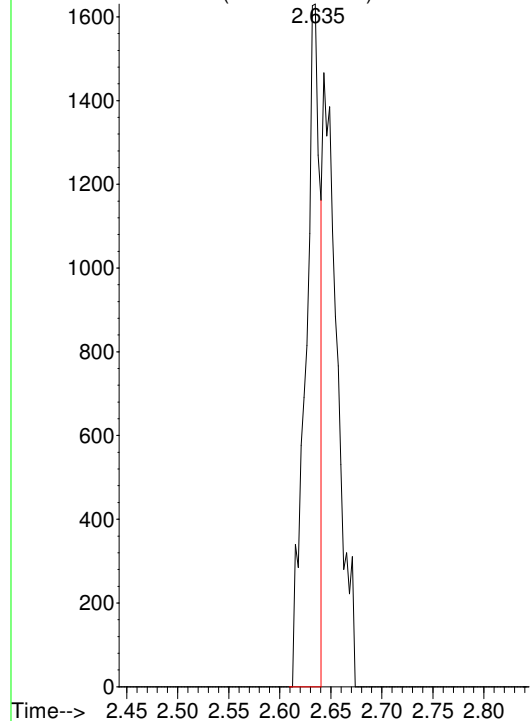
Abundance on 53.00 (52.70 to 53.70): C22V21910.D



Original Integration

METHYL TERT-BUTYL ETHER (MTBE)

Abundance on 73.00 (72.70 to 73.70): C22V21910.D



Original Int. Results

RT : 2.63
Area : 1586
Amount: 0.186439

Manual Int. Results

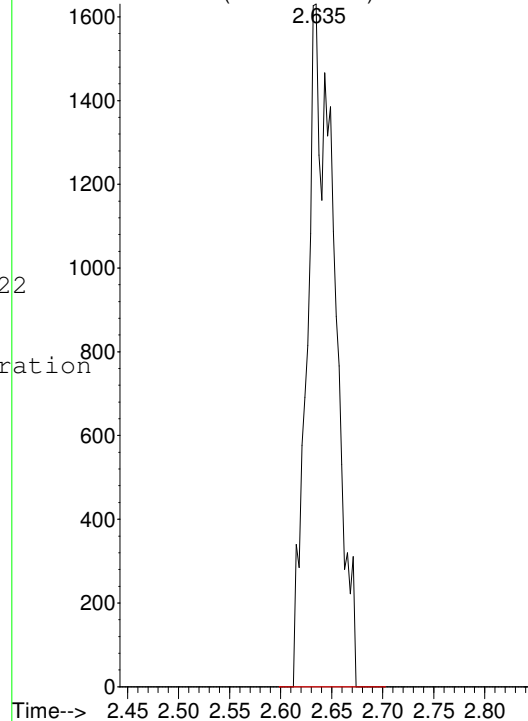
Mon Aug 08 12:12:35 2022

MIuser: EEH
Reason: Incoret Integration
RT : 2.63
Area : 3020
Amount: 0.35501

Manual Integration

METHYL TERT-BUTYL ETHER (MTBE)

Abundance on 73.00 (72.70 to 73.70): C22V21910.D



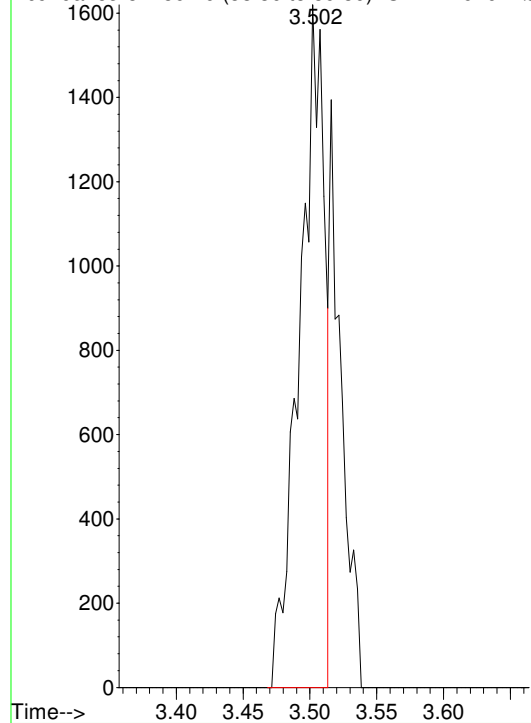
Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21910.D
Acq On : 8 Aug 2022 10:45 am
Operator :
Sample : 8260STD 0.4PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:14:45 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration

T-BUTYL ETHYL ETHER

Abundance on 59.10 (58.80 to 59.80): C22V21910.D



Original Int. Results

RT : 3.50
Area : 2103
Amount: 0.223231

Manual Int. Results

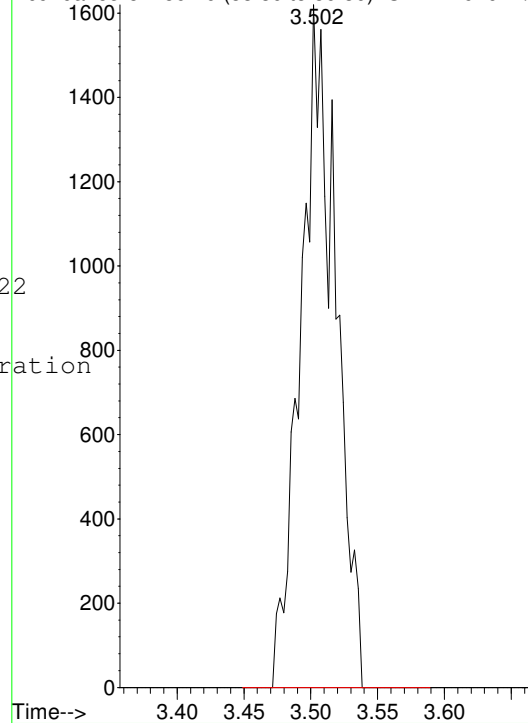
Mon Aug 08 12:12:44 2022

MIuser: EEH
Reason: Incoret Integration
RT : 3.50
Area : 2951
Amount: 0.313245

Manual Integration

T-BUTYL ETHYL ETHER

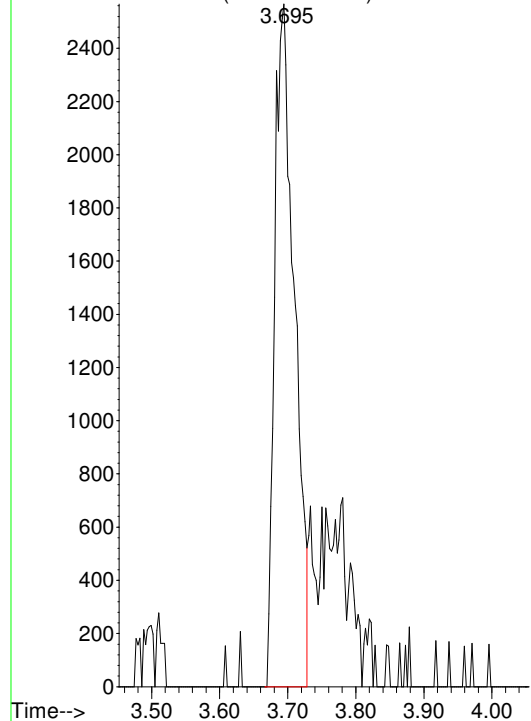
Abundance on 59.10 (58.80 to 59.80): C22V21910.D



Original Integration

ETHYL ACETATE

Abundance on 43.00 (42.70 to 43.70): C22V21910.D



Original Int. Results

RT : 3.69
Area : 5184
Amount: 1.17002

Manual Int. Results

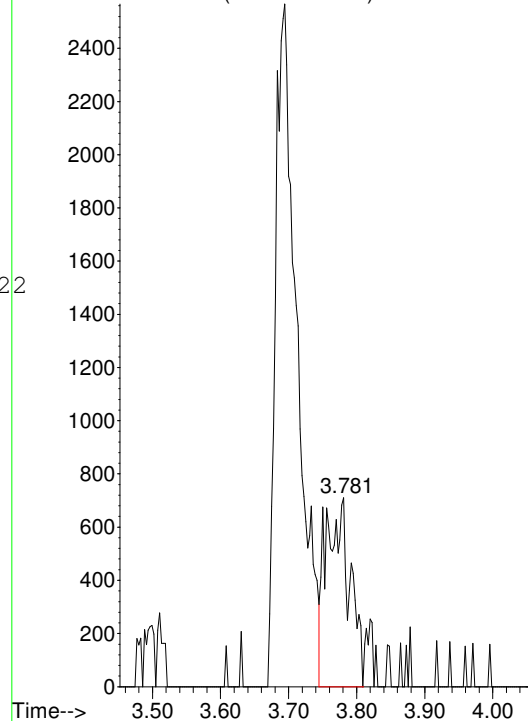
Mon Aug 08 12:12:59 2022

MIuser: EEH
Reason: Other
RT : 3.78
Area : 1728
Amount: 0.390005

Manual Integration

ETHYL ACETATE

Abundance on 43.00 (42.70 to 43.70): C22V21910.D

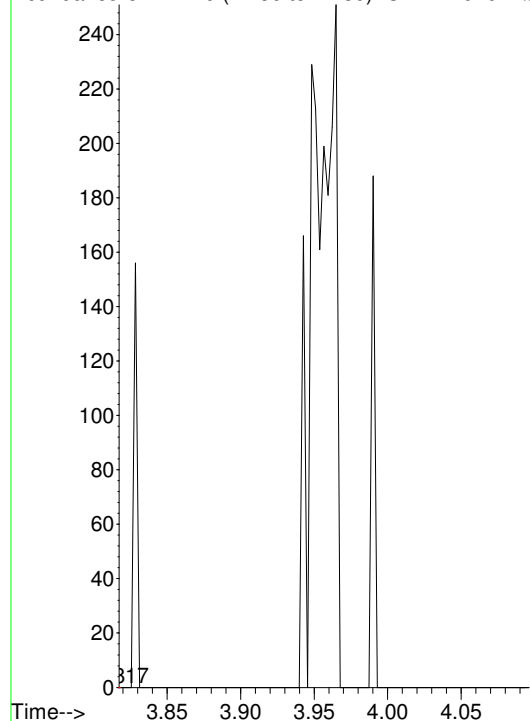


Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21910.D
Acq On : 8 Aug 2022 10:45 am
Operator :
Sample : 8260STD 0.4PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:14:45 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration
TETRAHYDROFURAN

Abundance on 42.10 (41.80 to 42.80): C22V21910.D



Original Int. Results

RT : 0.00
Area : 0
Amount: 0

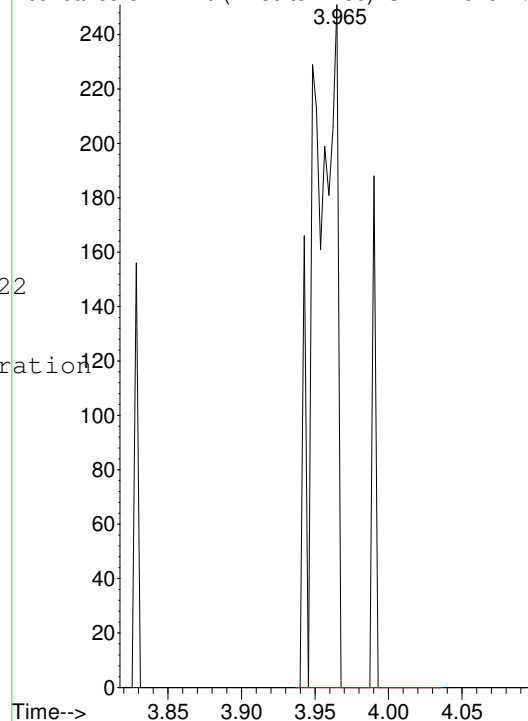
Manual Int. Results

Mon Aug 08 12:13:05 2022

MIuser: EEH
Reason: Incoret Integration
RT : 3.96
Area : 300
Amount: 0.229083

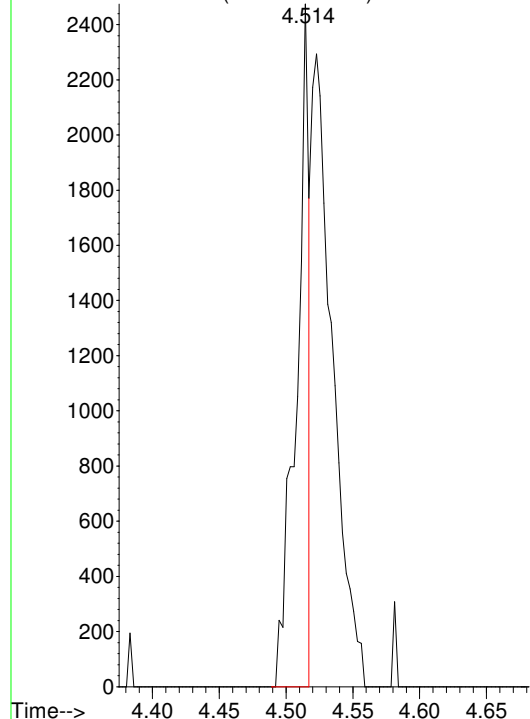
Manual Integration
TETRAHYDROFURAN

Abundance on 42.10 (41.80 to 42.80): C22V21910.D



Original Integration
BENZENE

Abundance on 78.00 (77.70 to 78.70): C22V21910.D



Original Int. Results

RT : 4.51
Area : 1613
Amount: 0.143975

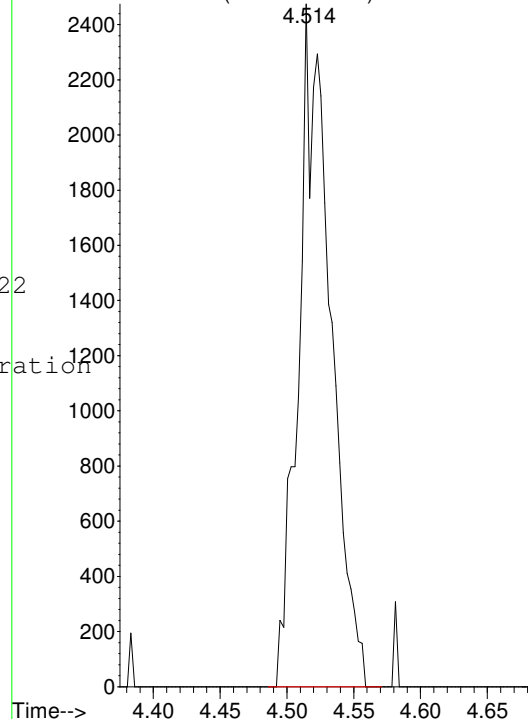
Manual Int. Results

Mon Aug 08 12:13:11 2022

MIuser: EEH
Reason: Incoret Integration
RT : 4.51
Area : 4104
Amount: 0.366318

Manual Integration
BENZENE

Abundance on 78.00 (77.70 to 78.70): C22V21910.D



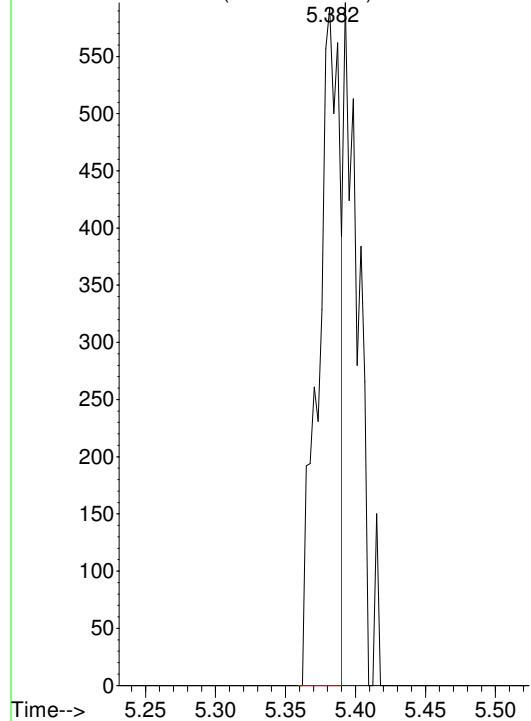
Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21910.D
Acq On : 8 Aug 2022 10:45 am
Operator :
Sample : 8260STD 0.4PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:14:45 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration

1,2-DICHLOROPROPANE

Abundance on 63.00 (62.70 to 63.70): C22V21910.D



Original Int. Results

RT : 5.38
Area : 637
Amount: 0.208613

Manual Int. Results

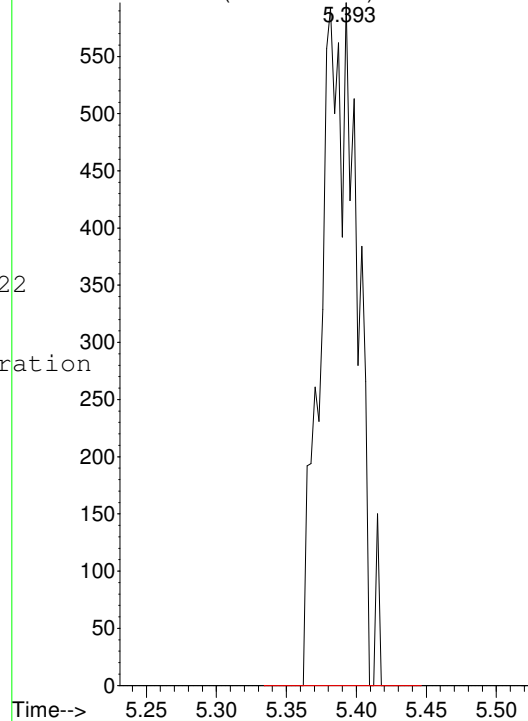
Mon Aug 08 12:13:17 2022

MIuser: EEH
Reason: Incoret Integration
RT : 5.39
Area : 1075
Amount: 0.352055

Manual Integration

1,2-DICHLOROPROPANE

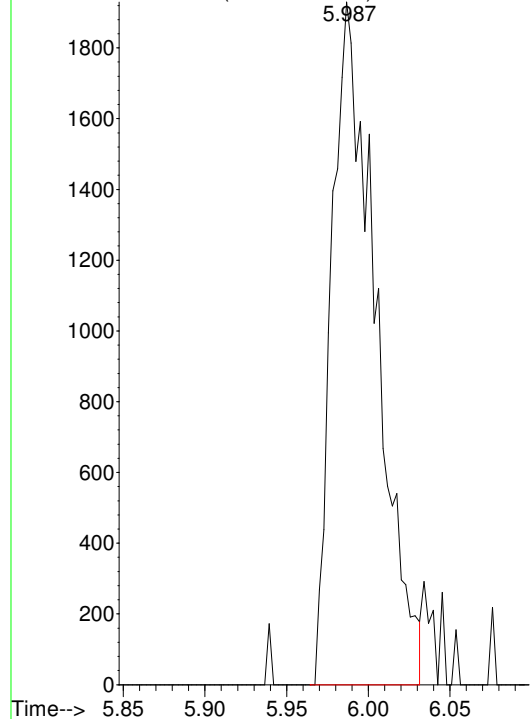
Abundance on 63.00 (62.70 to 63.70): C22V21910.D



Original Integration

2-CHLOROETHYL VINYLETHER

Abundance on 63.00 (62.70 to 63.70): C22V21910.D



Original Int. Results

RT : 5.99
Area : 3594
Amount: 2.40983

Manual Int. Results

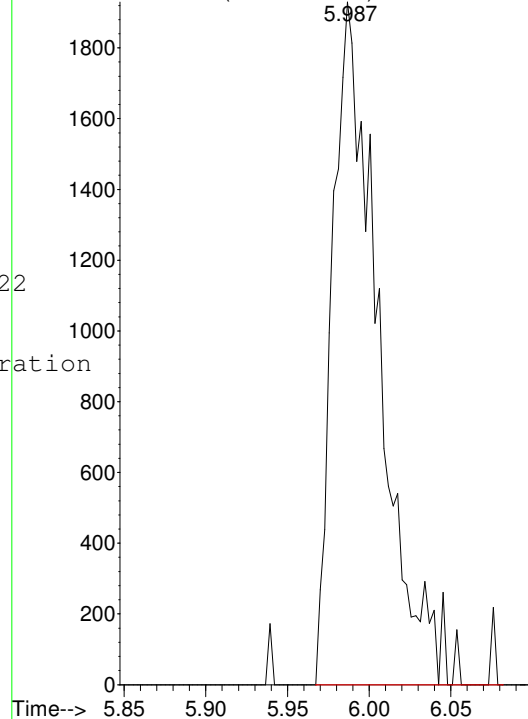
Mon Aug 08 12:13:26 2022

MIuser: EEH
Reason: Incoret Integration
RT : 5.99
Area : 3813
Amount: 2.55667

Manual Integration

2-CHLOROETHYL VINYLETHER

Abundance on 63.00 (62.70 to 63.70): C22V21910.D

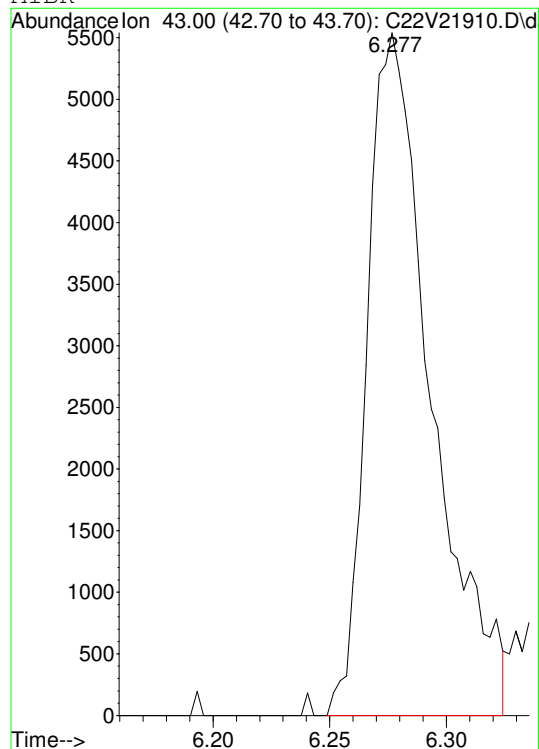


Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21910.D
Acq On : 8 Aug 2022 10:45 am
Operator :
Sample : 8260STD 0.4PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:14:45 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration

MIBK



Original Int. Results

RT : 6.28
Area : 10540
Amount: 2.34447

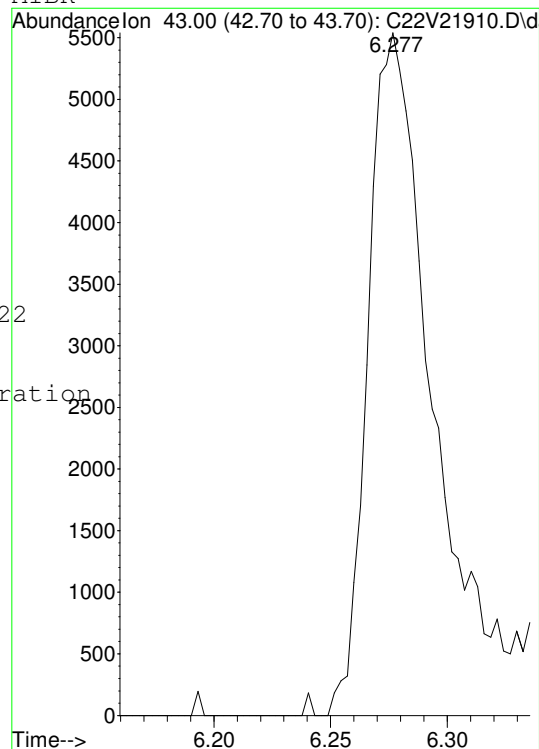
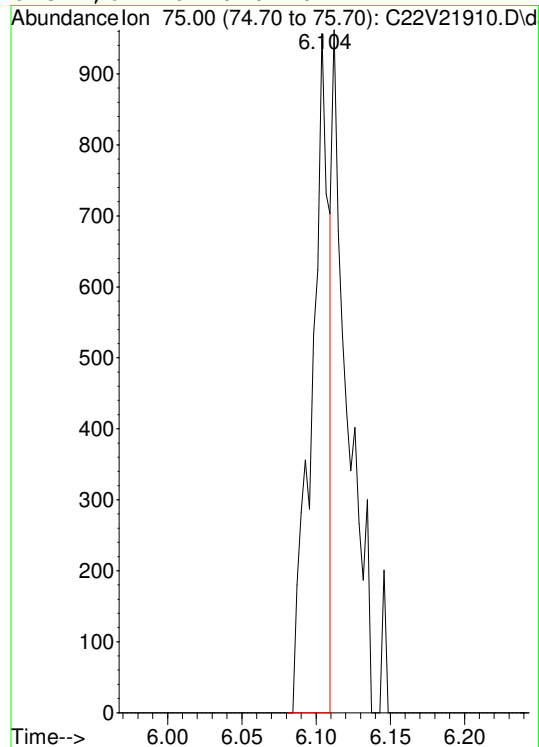
Manual Int. Results

Mon Aug 08 12:13:31 2022

MIuser: EEH
Reason: Incoret Integration
RT : 6.28
Area : 13328
Amount: 2.96462

Manual Integration

MIBK

Original Integration
CIS-1,3-DICHLOROPROPENE

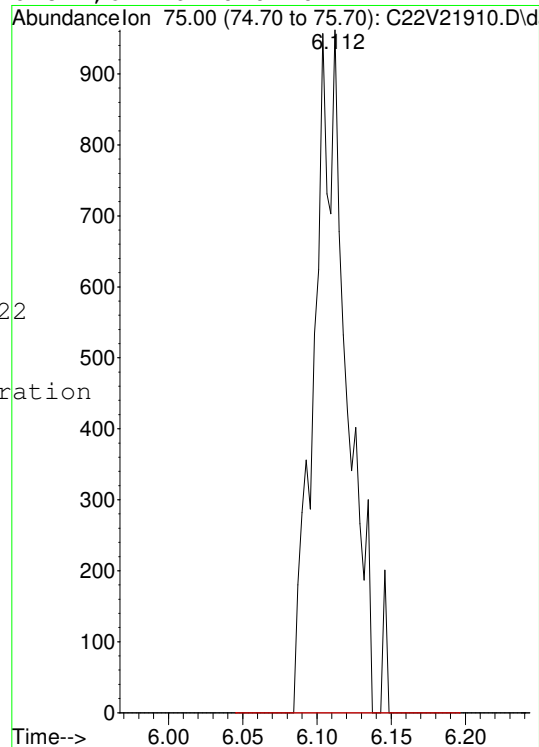
Original Int. Results

RT : 6.10
Area : 779
Amount: 0.167276

Manual Int. Results

Mon Aug 08 12:13:34 2022

MIuser: EEH
Reason: Incoret Integration
RT : 6.11
Area : 1497
Amount: 0.321454

Manual Integration
CIS-1,3-DICHLOROPROPENE

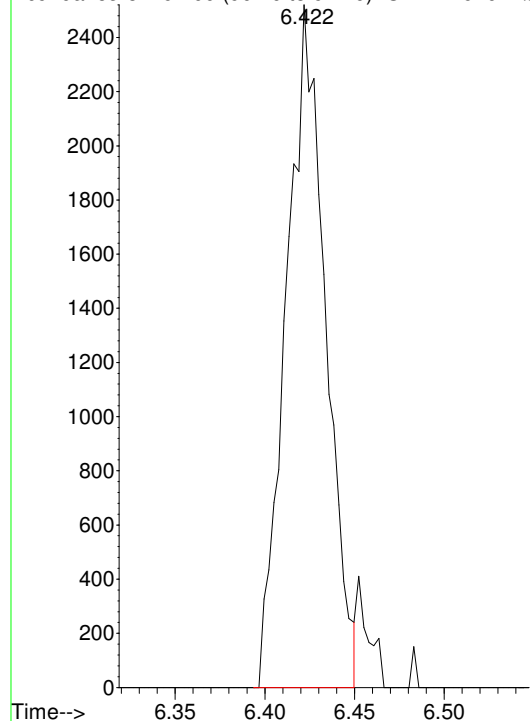
Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21910.D
Acq On : 8 Aug 2022 10:45 am
Operator :
Sample : 8260STD 0.4PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:14:45 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration

TOLUENE

Abundance 91.00 (90.70 to 91.70): C22V21910.D



Original Int. Results

RT : 6.42
Area : 3854
Amount: 0.344261

Manual Int. Results

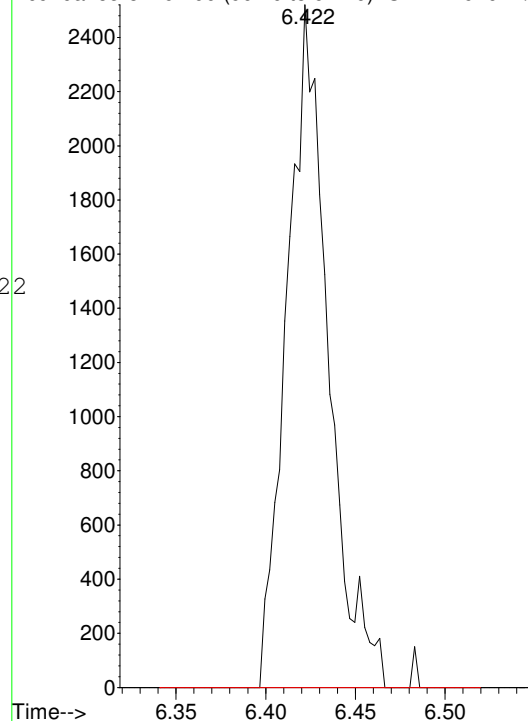
Mon Aug 08 12:13:36 2022

MIuser: EEH
Reason: Other
RT : 6.42
Area : 4069
Amount: 0.363466

Manual Integration

TOLUENE

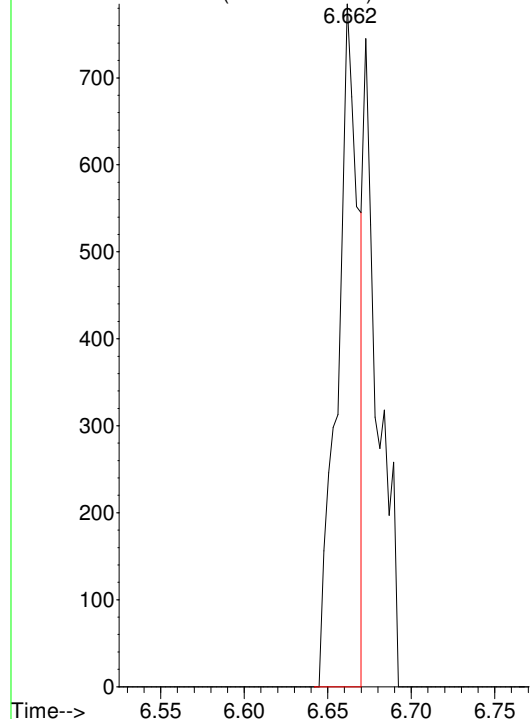
Abundance 91.00 (90.70 to 91.70): C22V21910.D



Original Integration

TRANS-1,3,-DICHLOROPROPENE

Abundance 75.00 (74.70 to 75.70): C22V21910.D



Original Int. Results

RT : 6.66
Area : 687
Amount: 0.163189

Manual Int. Results

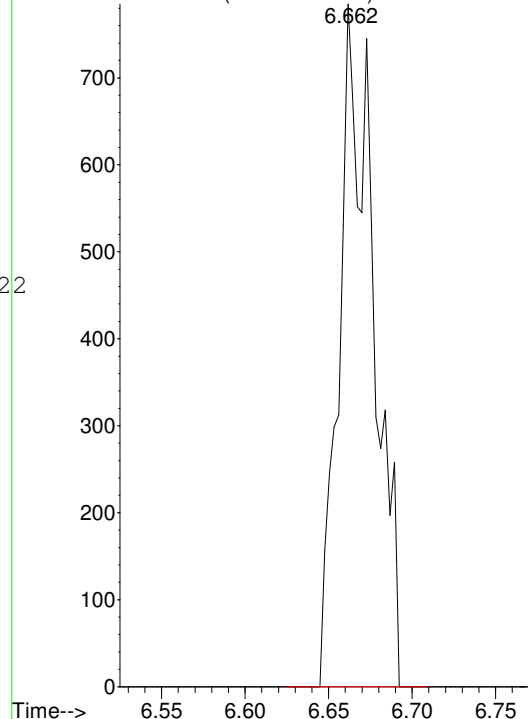
Mon Aug 08 12:13:39 2022

MIuser: EEH
Reason: Other
RT : 6.66
Area : 1127
Amount: 0.267706

Manual Integration

TRANS-1,3,-DICHLOROPROPENE

Abundance 75.00 (74.70 to 75.70): C22V21910.D

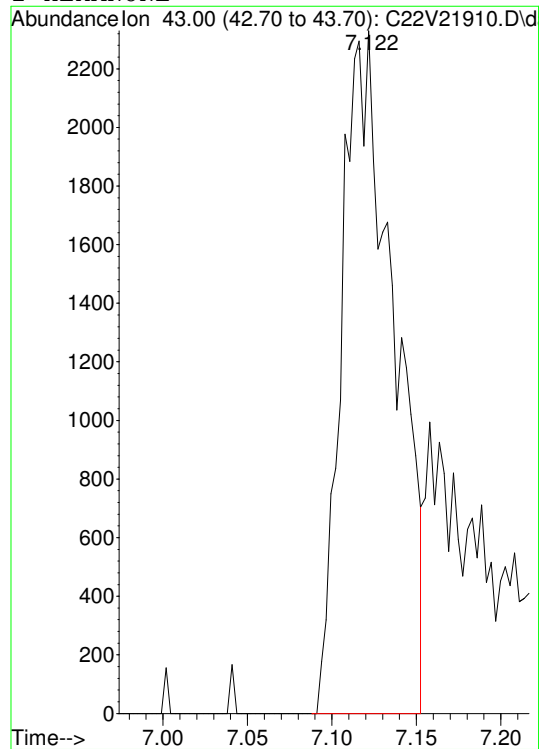


Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21910.D
Acq On : 8 Aug 2022 10:45 am
Operator :
Sample : 8260STD 0.4PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:14:45 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration

2-HEXANONE



Original Int. Results

RT : 7.12
Area : 5047
Amount: 1.56305

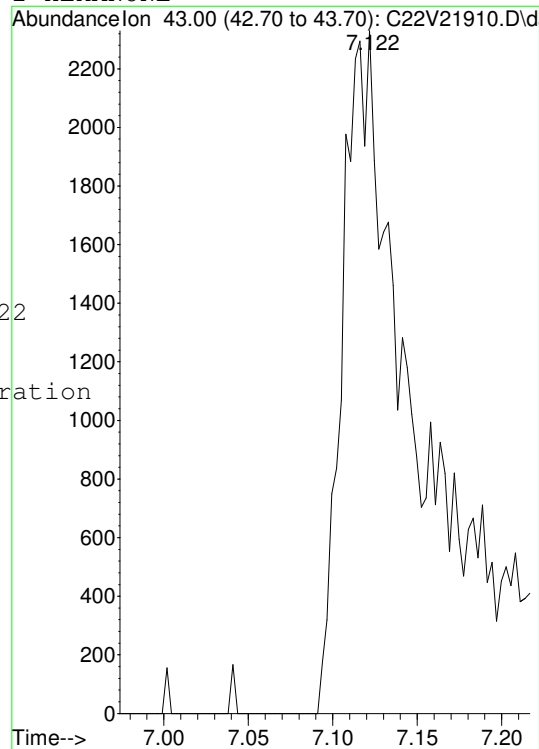
Manual Int. Results

Mon Aug 08 12:13:46 2022

MIuser: EEH
Reason: Incoret Integration
RT : 7.12
Area : 8733
Amount: 2.7046

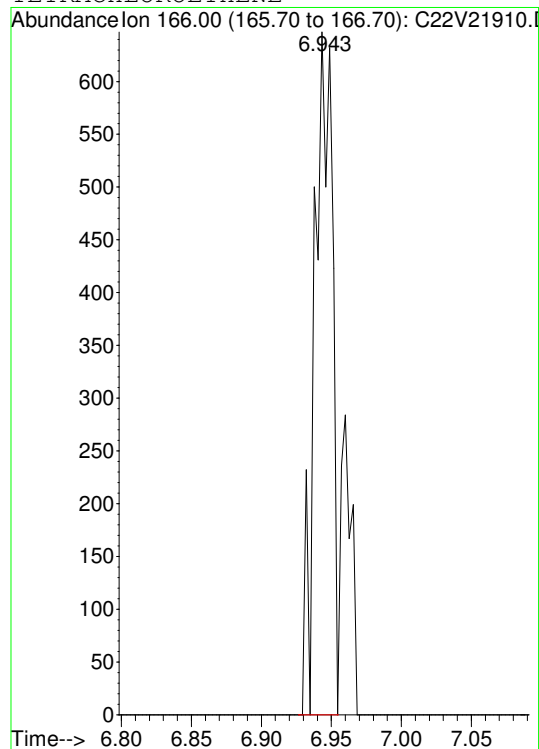
Manual Integration

2-HEXANONE



Original Integration

TETRACHLOROETHENE



Original Int. Results

RT : 6.94
Area : 563
Amount: 0.217238

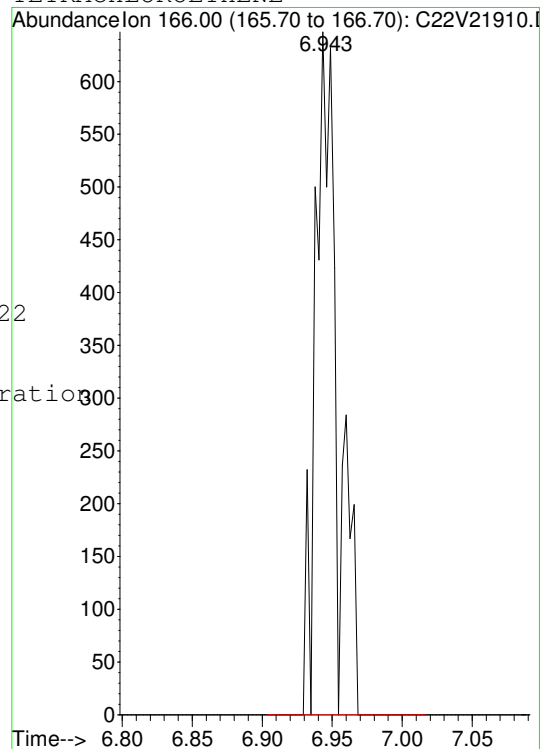
Manual Int. Results

Mon Aug 08 12:13:49 2022

MIuser: EEH
Reason: Incoret Integration
RT : 6.94
Area : 711
Amount: 0.274346

Manual Integration

TETRACHLOROETHENE



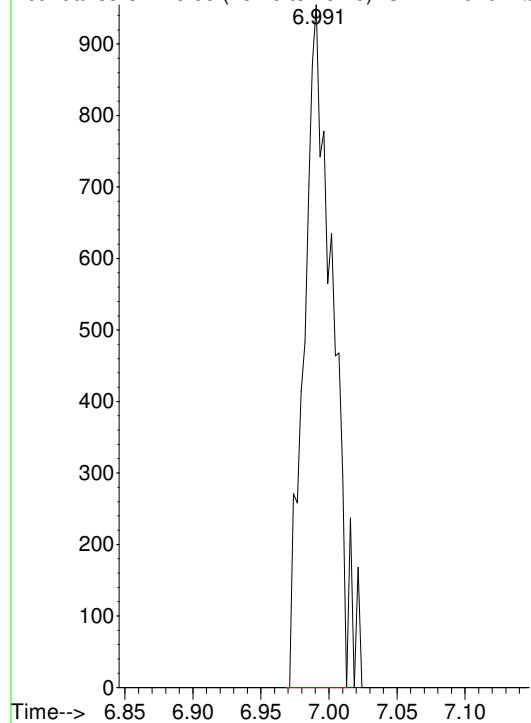
Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21910.D
Acq On : 8 Aug 2022 10:45 am
Operator :
Sample : 8260STD 0.4PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:14:45 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration

1,3-DICHLOROPROPANE

Abundance on 76.00 (75.70 to 76.70): C22V21910.D



Original Int. Results

RT : 6.99
Area : 1322
Amount: 0.269115

Manual Int. Results

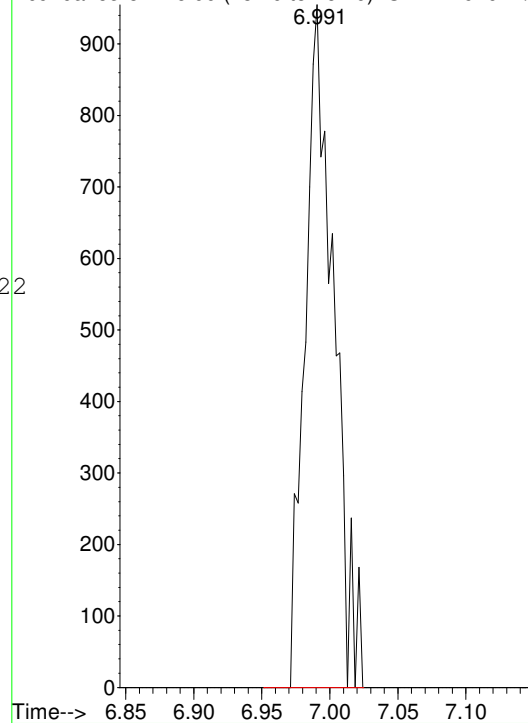
Mon Aug 08 12:13:51 2022

MIuser: EEH
Reason: Other
RT : 6.99
Area : 1390
Amount: 0.282957

Manual Integration

1,3-DICHLOROPROPANE

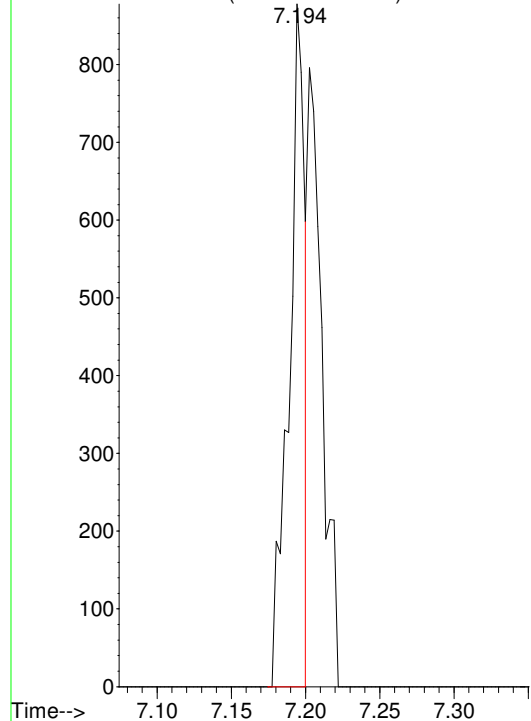
Abundance on 76.00 (75.70 to 76.70): C22V21910.D



Original Integration

DIBROMOCHLOROMETHANE

Abundance on 129.00 (128.70 to 129.70): C22V21910.D



Original Int. Results

RT : 7.19
Area : 633
Amount: 0.208798

Manual Int. Results

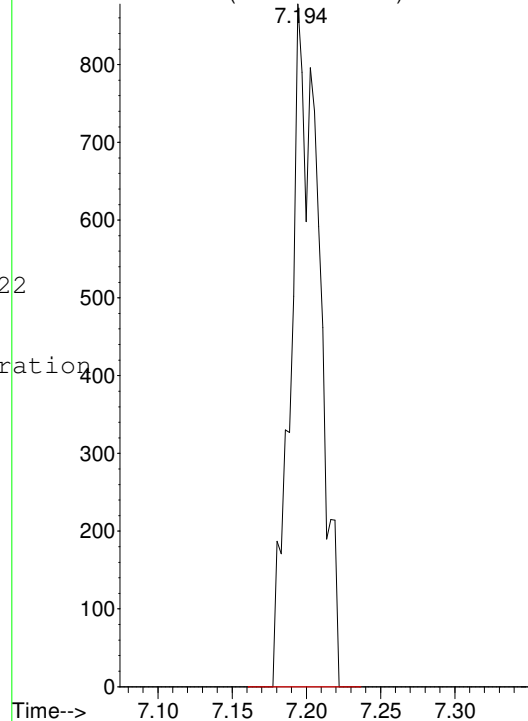
Mon Aug 08 12:13:54 2022

MIuser: EEH
Reason: Incorrect Integration
RT : 7.19
Area : 1170
Amount: 0.38593

Manual Integration

DIBROMOCHLOROMETHANE

Abundance on 129.00 (128.70 to 129.70): C22V21910.D



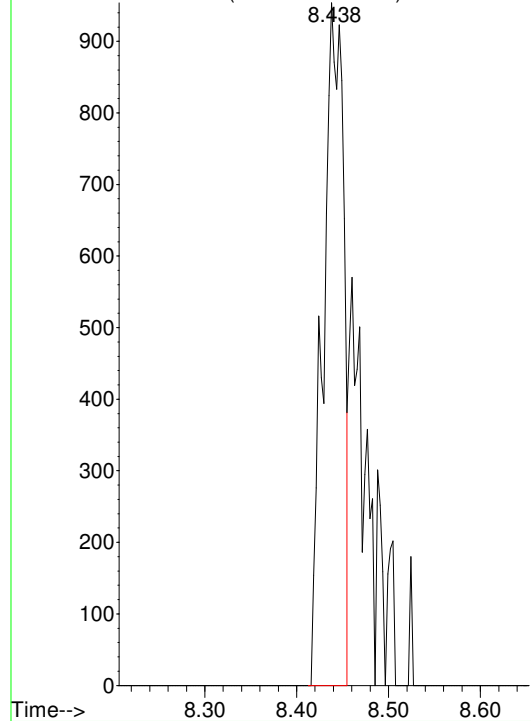
Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21910.D
Acq On : 8 Aug 2022 10:45 am
Operator :
Sample : 8260STD 0.4PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:14:45 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration

STYRENE

Abundance on 104.00 (103.70 to 104.70): C22V21910.D



Original Int. Results

RT : 8.44
Area : 1458
Amount: 0.192486

Manual Int. Results

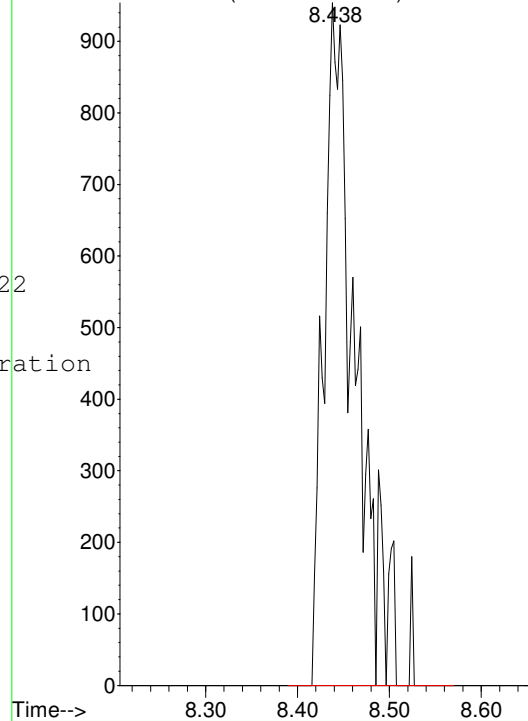
Mon Aug 08 12:14:02 2022

MIuser: EEH
Reason: Incorret Integration
RT : 8.44
Area : 2326
Amount: 0.307079

Manual Integration

STYRENE

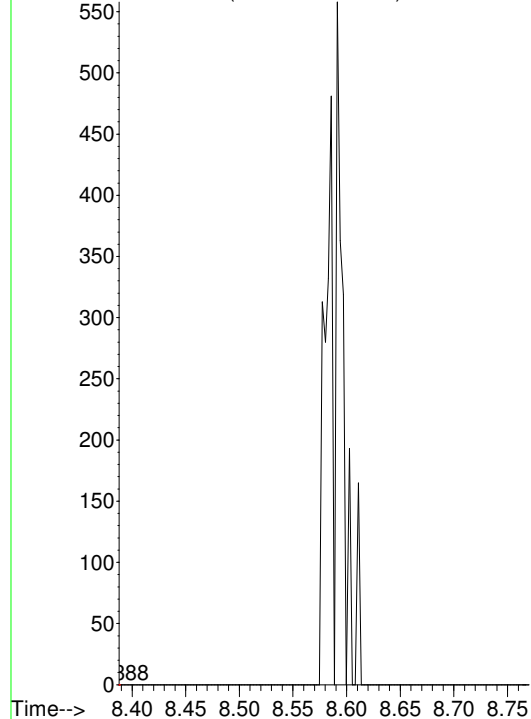
Abundance on 104.00 (103.70 to 104.70): C22V21910.D



Original Integration

BROMOFORM

Abundance on 173.00 (172.70 to 173.70): C22V21910.D



Original Int. Results

RT : 0.00
Area : 0
Amount: 0

Manual Int. Results

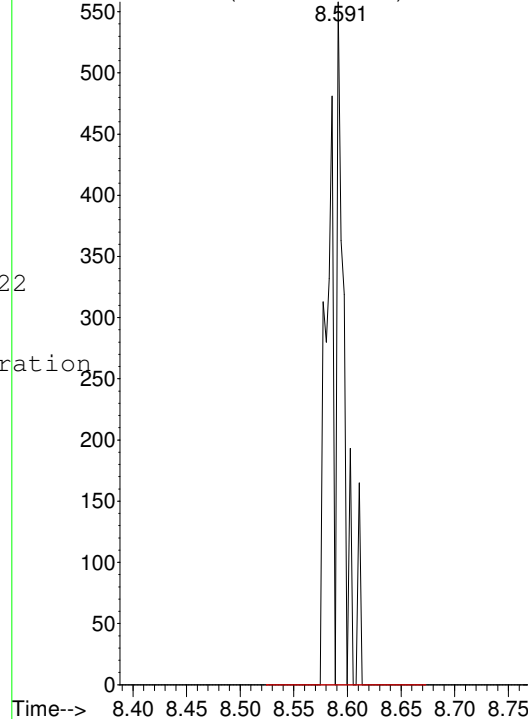
Mon Aug 08 12:14:05 2022

MIuser: EEH
Reason: Incorret Integration
RT : 8.59
Area : 503
Amount: 0.228768

Manual Integration

BROMOFORM

Abundance on 173.00 (172.70 to 173.70): C22V21910.D

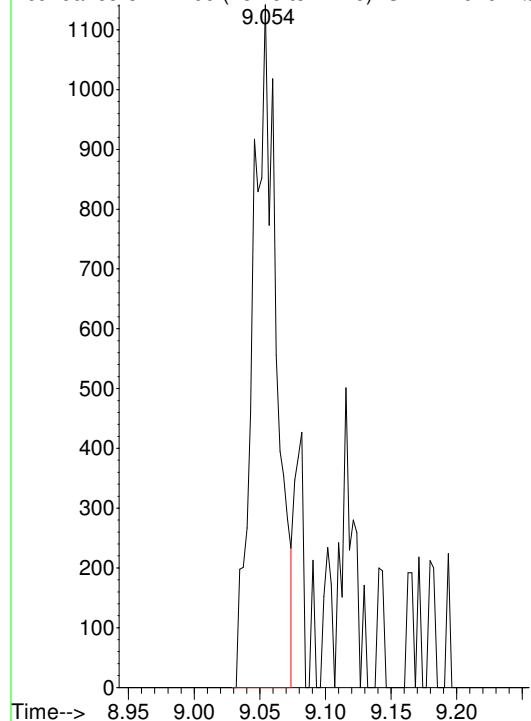


Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21910.D
Acq On : 8 Aug 2022 10:45 am
Operator :
Sample : 8260STD 0.4PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:14:45 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration
BROMOBENZENE

Abundance on 77.00 (76.70 to 77.70): C22V21910.D



Original Int. Results

RT : 9.05
Area : 1419
Amount: 0.284194

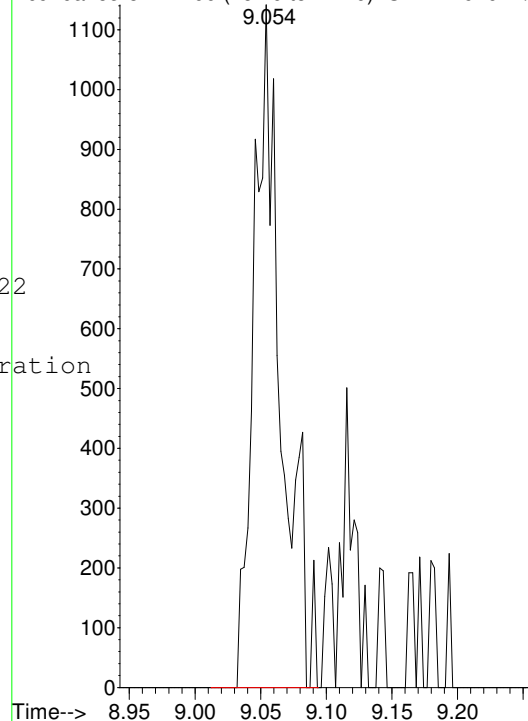
Manual Int. Results

Mon Aug 08 12:14:11 2022

MIuser: EEH
Reason: Incoret Integration
RT : 9.05
Area : 1649
Amount: 0.330258

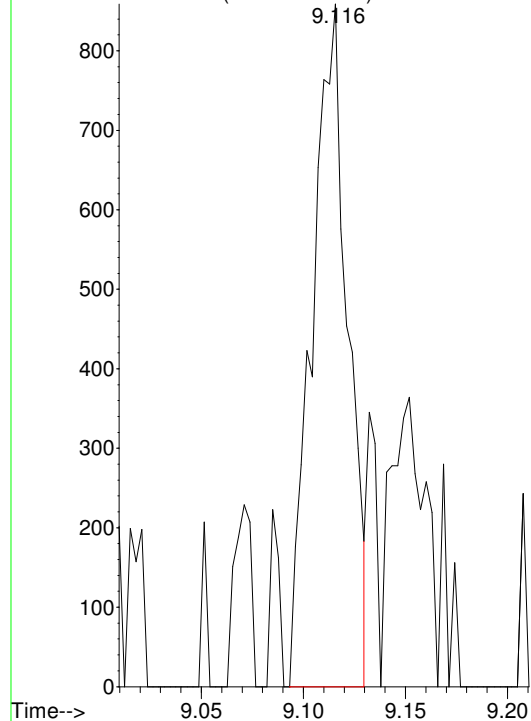
Manual Integration
BROMOBENZENE

Abundance on 77.00 (76.70 to 77.70): C22V21910.D



Original Integration
1,2,3-TRICHLOROPROPANE

Abundance on 75.00 (74.70 to 75.70): C22V21910.D



Original Int. Results

RT : 9.12
Area : 1043
Amount: 0.301014

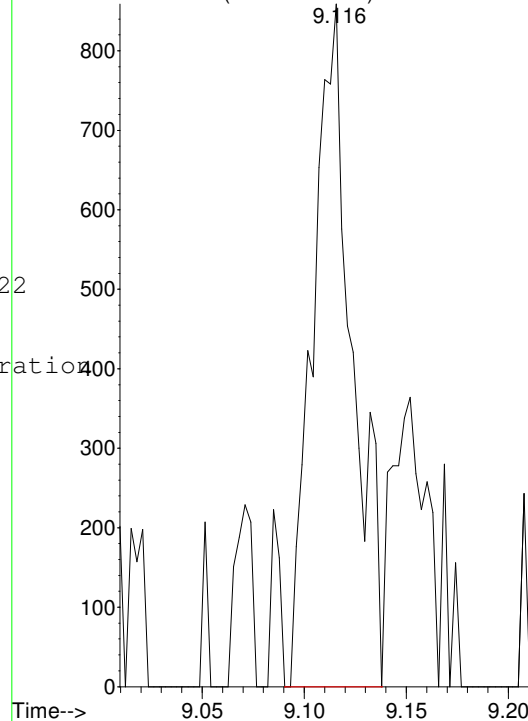
Manual Int. Results

Mon Aug 08 12:14:18 2022

MIuser: EEH
Reason: Incoret Integration
RT : 9.12
Area : 1153
Amount: 0.33276

Manual Integration
1,2,3-TRICHLOROPROPANE

Abundance on 75.00 (74.70 to 75.70): C22V21910.D



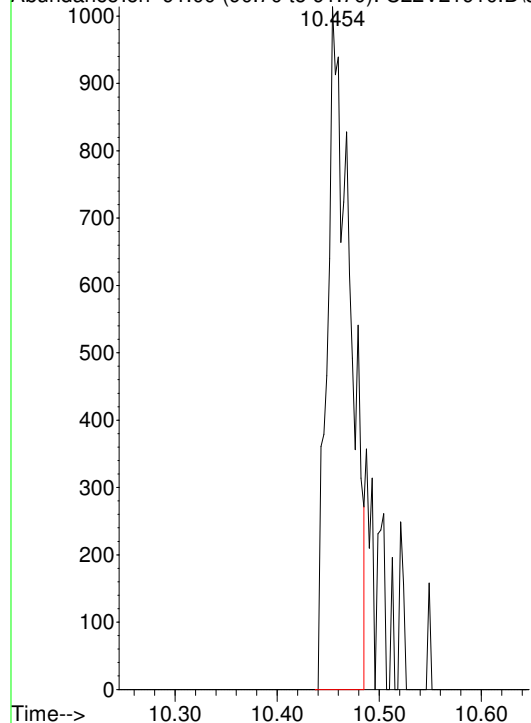
Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21910.D
Acq On : 8 Aug 2022 10:45 am
Operator :
Sample : 8260STD 0.4PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:14:45 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration

N-BUTYLBENZENE

Abundance on 91.00 (90.70 to 91.70): C22V21910.D



Original Int. Results

RT : 10.45
Area : 1592
Amount: 0.201569

Manual Int. Results

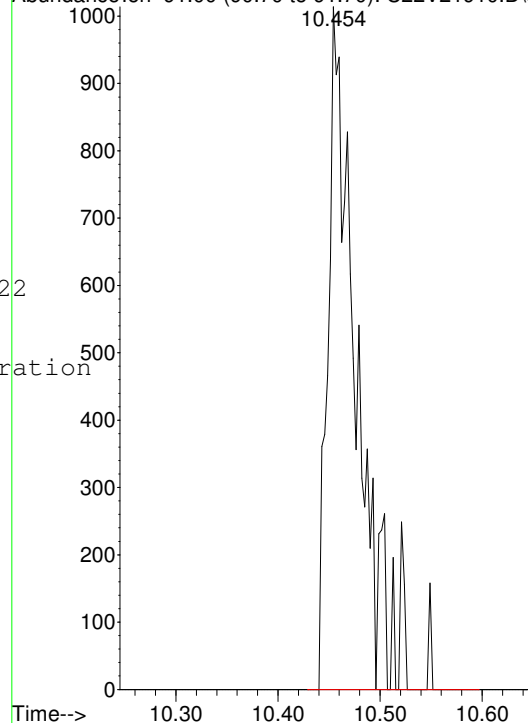
Mon Aug 08 12:14:31 2022

MIuser: EEH
Reason: Incoret Integration
RT : 10.45
Area : 1989
Amount: 0.251835

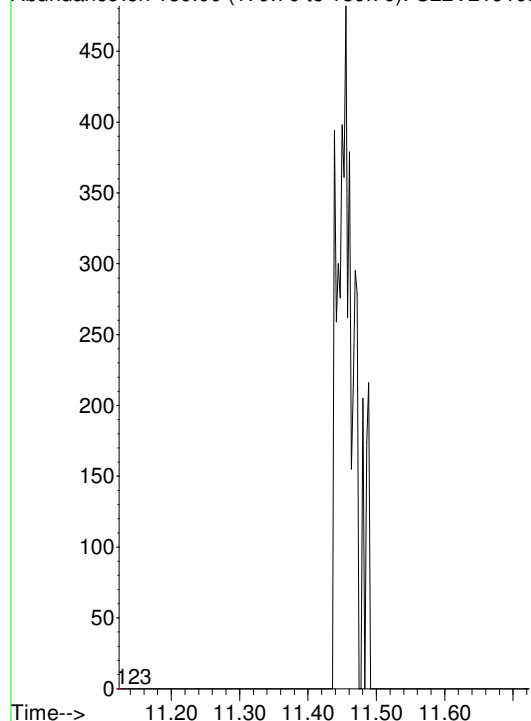
Manual Integration

N-BUTYLBENZENE

Abundance on 91.00 (90.70 to 91.70): C22V21910.D

Original Integration
1,3,5-TRICHLOROBENZENE

Abundance on 180.00 (179.70 to 180.70): C22V21910.D



Original Int. Results

RT : 0.00
Area : 0
Amount: 0

Manual Int. Results

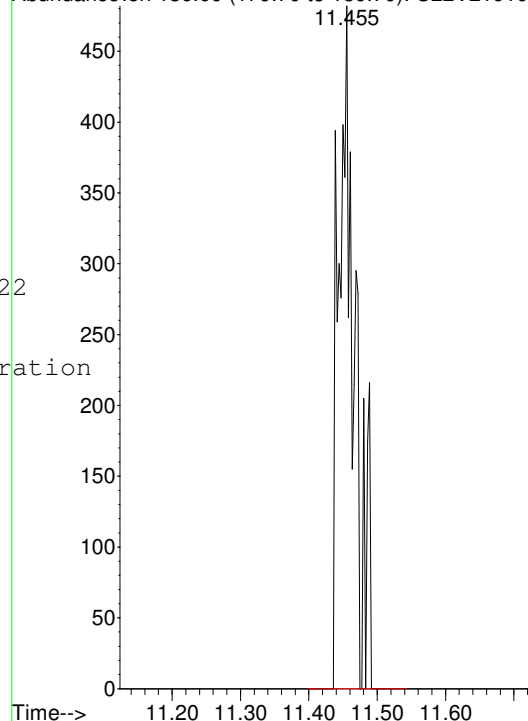
Mon Aug 08 12:14:35 2022

MIuser: EEH
Reason: Incoret Integration
RT : 11.46
Area : 778
Amount: 0.213545

Manual Integration

1,3,5-TRICHLOROBENZENE

Abundance on 180.00 (179.70 to 180.70): C22V21910.D

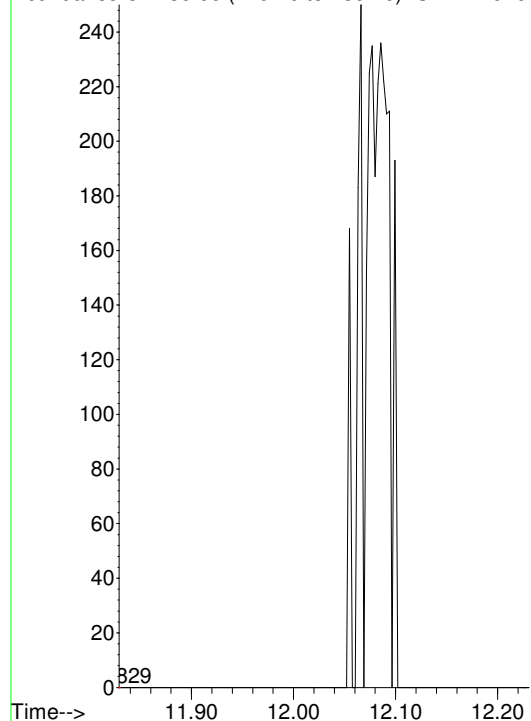


Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21910.D
Acq On : 8 Aug 2022 10:45 am
Operator :
Sample : 8260STD 0.4PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:14:45 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration
1,2,4-TRICHLOROBENZENE

Abundance on 180.00 (179.70 to 180.70): C22V21910.D



Original Int. Results

RT : 0.00
Area : 0
Amount: 0

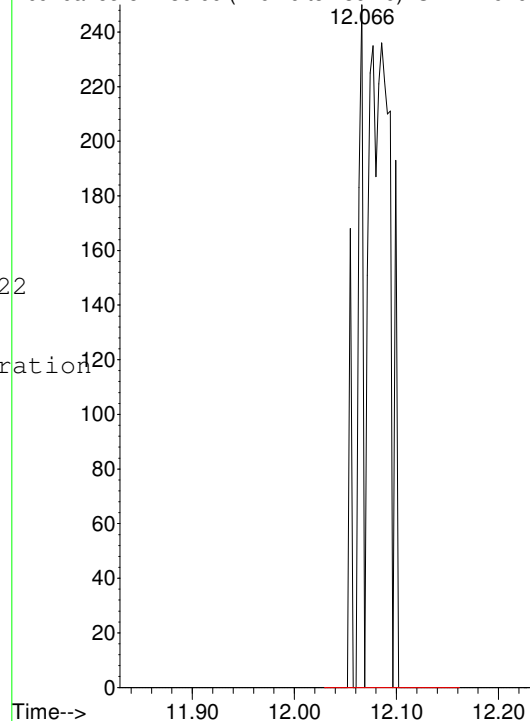
Manual Int. Results

Mon Aug 08 12:14:37 2022

MIuser: EEH
Reason: Incoret Integration
RT : 12.07
Area : 450
Amount: 0.131131

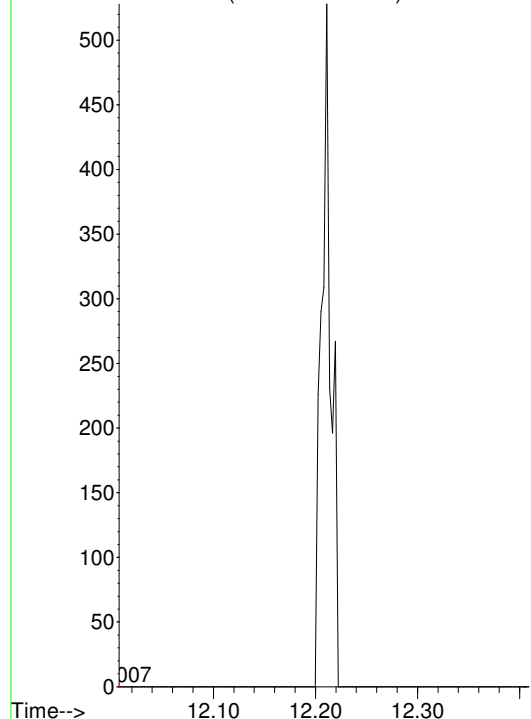
Manual Integration
1,2,4-TRICHLOROBENZENE

Abundance on 180.00 (179.70 to 180.70): C22V21910.D



Original Integration
HEXACHLOROBUTADIENE

Abundance on 225.00 (224.70 to 225.70): C22V21910.D



Original Int. Results

RT : 0.00
Area : 0
Amount: 0

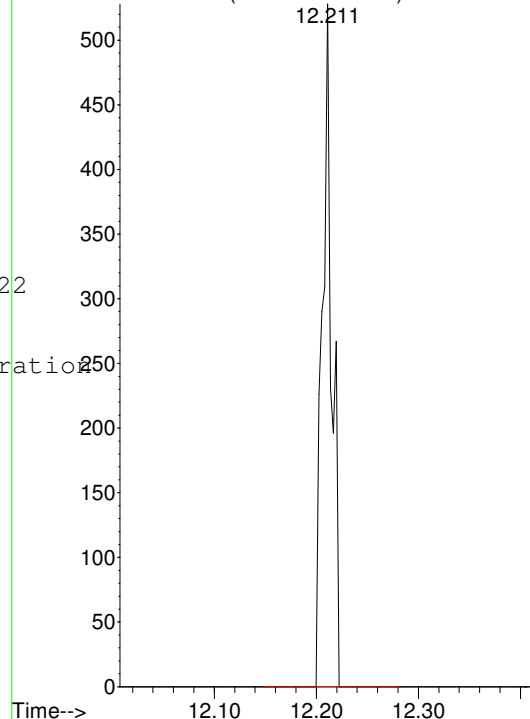
Manual Int. Results

Mon Aug 08 12:14:40 2022

MIuser: EEH
Reason: Incoret Integration
RT : 12.21
Area : 343
Amount: 0.262458

Manual Integration
HEXACHLOROBUTADIENE

Abundance on 225.00 (224.70 to 225.70): C22V21910.D



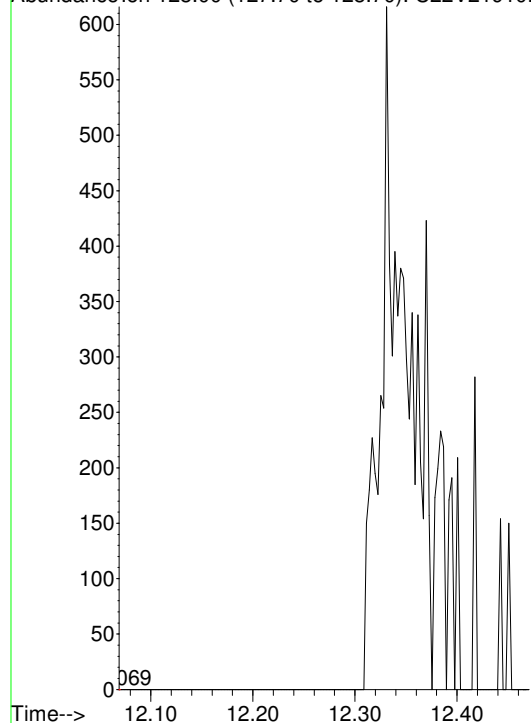
Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21910.D
Acq On : 8 Aug 2022 10:45 am
Operator :
Sample : 8260STD 0.4PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:14:45 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration

NAPHTHALENE

Abundance on 128.00 (127.70 to 128.70): C22V21910.D



Original Int. Results

RT : 0.00
Area : 0
Amount: 0

Manual Int. Results

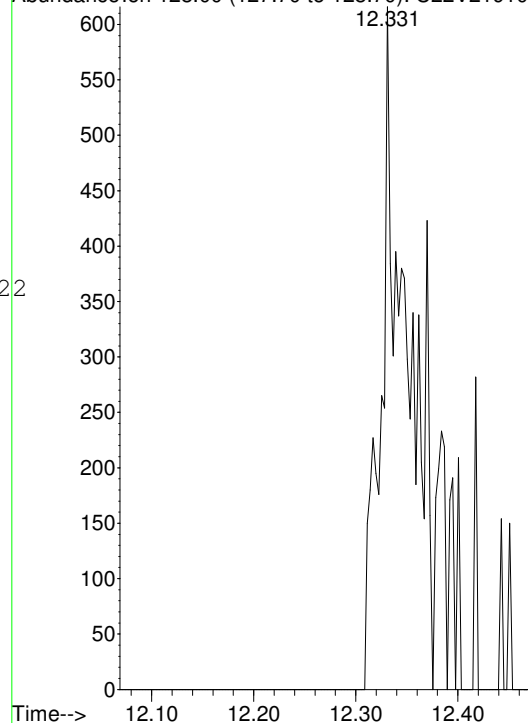
Mon Aug 08 12:14:43 2022

MIuser: EEH
Reason: Other
RT : 12.33
Area : 1432
Amount: 0.139595

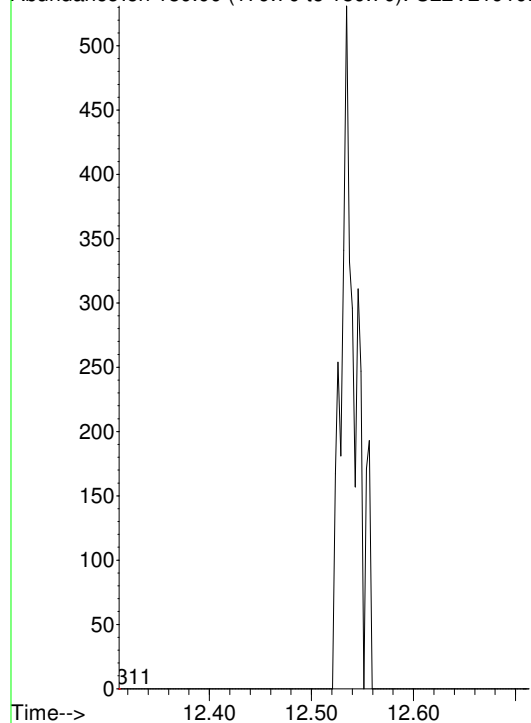
Manual Integration

NAPHTHALENE

Abundance on 128.00 (127.70 to 128.70): C22V21910.D

Original Integration
1,2,3-TRICHLOROBENZENE

Abundance on 180.00 (179.70 to 180.70): C22V21910.D



Original Int. Results

RT : 0.00
Area : 0
Amount: 0

Manual Int. Results

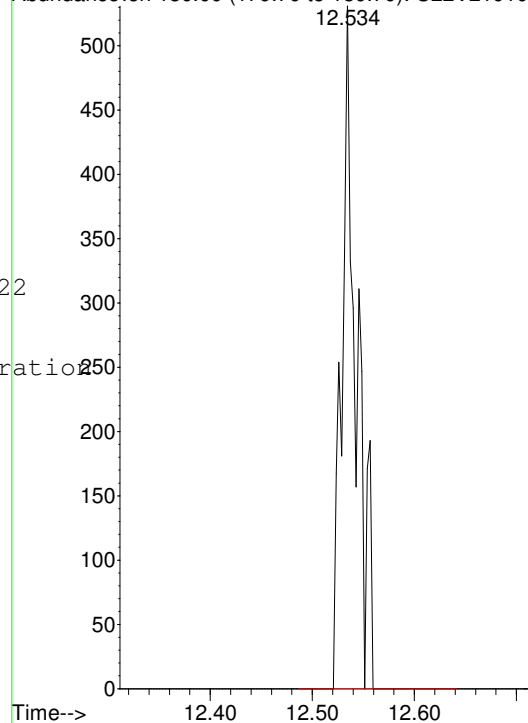
Mon Aug 08 12:14:45 2022

MIuser: EEH
Reason: Incorrect Integration
RT : 12.53
Area : 532
Amount: 0.156079

Manual Integration

1,2,3-TRICHLOROBENZENE

Abundance on 180.00 (179.70 to 180.70): C22V21910.D



Data Path : C:\msdchem\1\data\C080822\
 Data File : C22V21911.D
 Acq On : 8 Aug 2022 11:09 am
 Operator :
 Sample : 8260STD 0.5PPB 2206105
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Inst : GCMSVOA3

Quant Time: Aug 08 12:17:29 2022
 Quant Method : C:\msdchem\1\methods\C051619.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Mon Aug 08 11:15:01 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	4.194	168	193591	30.00	UG/L	0.00
48) 1,4-DIFLUOROBENZENE - ...	4.916	114	284959	30.00	UG/L	0.00
70) CHLOROBENZENE-D5 ISTD	7.752	82	139363	30.00	UG/L	0.00
89) 1,4-DICHLOROETHANE-D4...	10.047	152	134791	30.00	UG/L	# 0.00
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.467	65	91408	25.10	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	100.40%		
49) TOLUENE SS	6.352	98	281602	24.78	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	99.12%		
71) 4-BROMOFLUOROBENZENE SS	8.909	95	103051	24.93	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	99.72%		
Target Compounds						
					Qvalue	
3) DICHLORODIFLUOROMETHANE	1.087	85	1080	0.34	UG/L	# 43
4) DIFLUOROCHLOROMETHANE	1.093	51	1615	0.43	UG/L	# 100
5) CHLOROMETHANE	1.196	50	2636	0.63	UG/L	# 31
6) VINYL CHLORIDE	1.263	62	1381	0.41	UG/L	# 33
7) BROMOMETHANE	1.455	94	1549	0.84	UG/L	97
8) CHLOROETHANE	1.522	64	1108m	0.60	UG/L	
9) FLUORODICHLOROMETHANE	1.636	67	2311	0.45	UG/L	98
10) TRICHLOROFLUOROMETHANE	1.678	101	1606	0.43	UG/L	91
12) DI ETHYL ETHER	1.868	59	934	0.39	UG/L	92
13) ACROLEIN	1.957	56	2478	3.11	UG/L	92
14) ACETONE	2.066	43	5960	4.91	UG/L	98
15) 1,1-DICHLOROETHENE	2.030	61	1856	0.50	UG/L	91
16) 1,1,2-TRICL-1,2,2-TRIF...	2.024	101	911	0.44	UG/L	# 3
17) IODOMETHANE	2.141	142	10406	3.39	UG/L	99
20) METHYL ACETATE	2.325	43	2205	0.59	UG/L	# 64
21) T-BUTYL ALCOHOL	2.504	59	1955	4.19	UG/L	# 53
22) ACRYLONITRILE	2.626	53	559	0.35	UG/L	# 10
23) METHYLENE CHLORIDE	2.398	49	1893	0.48	UG/L	98
24) CARBON DISULFIDE	2.194	76	33803	4.68	UG/L	98
25) METHYL TERT-BUTYL ETHE...	2.640	73	4099	0.48	UG/L	# 50
26) TRANS 1,2-DICHLOROETHENE	2.632	61	1890	0.49	UG/L	92
27) 1,1-DICHLOROETHANE	3.047	63	2356m	0.45	UG/L	
28) VINYL ACETATE	3.117	43	33238	3.33	UG/L	99
29) DI ISOPROYL ETHER	3.134	45	4335	0.39	UG/L	# 52
31) 2-BUTANONE	3.692	43	6325	2.90	UG/L	# 98
32) T-BUTYL ETHYL ETHER	3.505	59	3792m	0.40	UG/L	
33) CIS-1,2-DICHLOROETHENE	3.641	61	1809	0.40	UG/L	# 69
34) 2,2-DICHLOROPROPANE	3.633	77	1715	0.44	UG/L	# 47
35) ETHYL ACETATE	3.773	43	2120m	0.48	UG/L	
38) BROMOCHLOROMETHANE	3.887	49	1046	0.39	UG/L	93
39) TETRAHYDROFURAN	3.957	42	308m	0.24	UG/L	
40) CHLOROFORM	3.979	83	2108	0.44	UG/L	97
41) 1,1,1-TRICHLOROETHANE	4.141	97	1777	0.46	UG/L	# 44
42) CYCLOHEXANE	4.191	56	5137	1.13	UG/L	# 43
43) CARBON TETRACHLORIDE	4.308	117	1323m	0.41	UG/L	
44) 1,1-DICHLOROPROPENE	4.314	75	1282	0.36	UG/L	# 39
45) BENZENE	4.514	78	4790	0.43	UG/L	# 87
47) T-AMYL METHYL ETHER	4.657	73	3440	0.41	UG/L	# 89
50) 1,2-DICHLOROETHANE	4.548	62	1668	0.43	UG/L	# 74
51) TRICHLOROETHENE	5.161	95	1003	0.40	UG/L	# 71
52) METHYLCYCLOHEXANE	5.343	83	1100	0.32	UG/L	# 60
53) 1,2-DICHLOROPROPANE	5.393	63	1156m	0.38	UG/L	
54) DIBROMOMETHANE	5.499	93	780	0.42	UG/L	# 83

Data Path : C:\msdchem\1\data\C080822\
 Data File : C22V21911.D
 Acq On : 8 Aug 2022 11:09 am
 Operator :
 Sample : 8260STD 0.5PPB 2206105
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Inst : GCMSVOA3

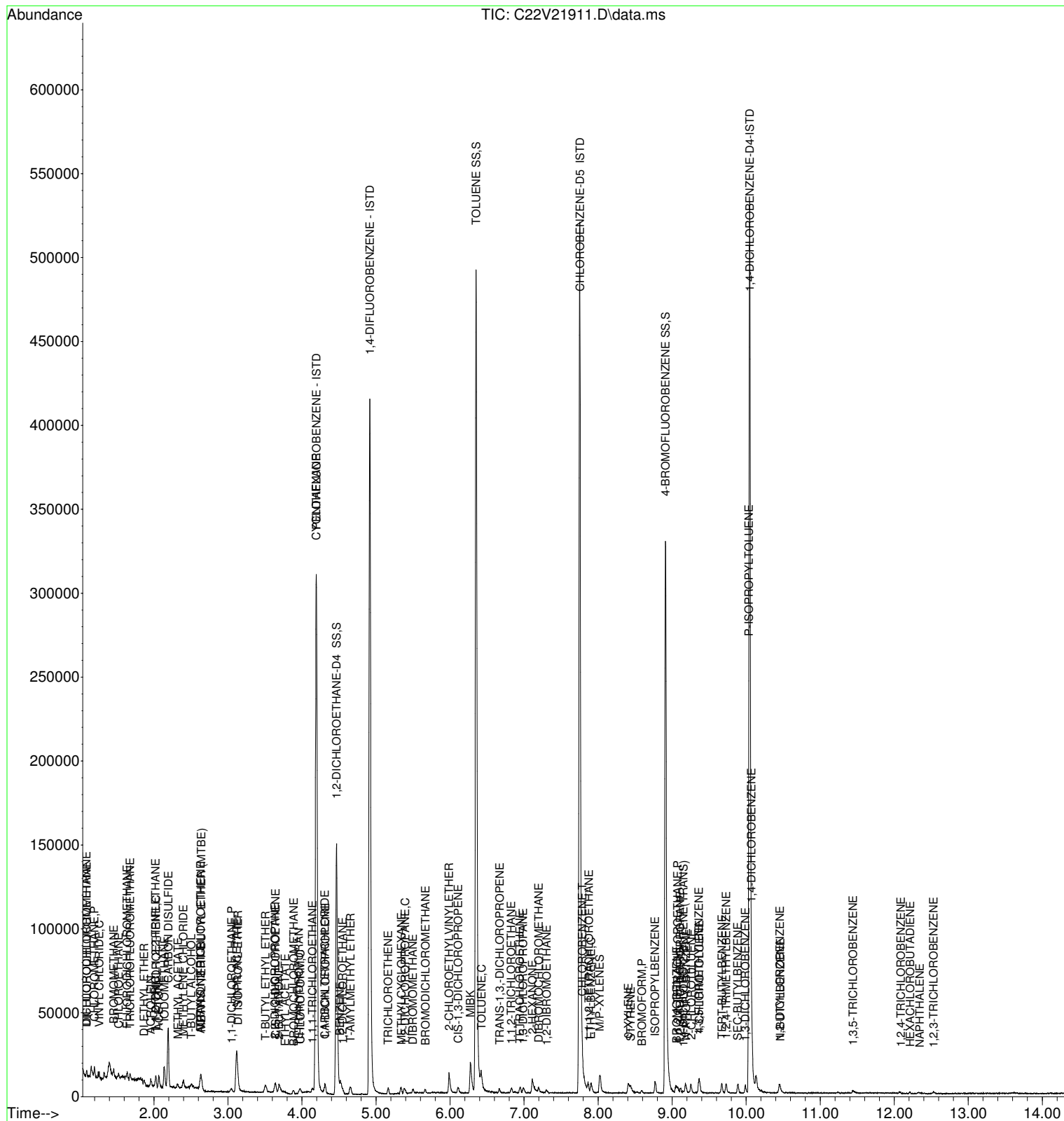
Quant Time: Aug 08 12:17:29 2022
 Quant Method : C:\msdchem\1\methods\C051619.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Mon Aug 08 11:15:01 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
57) BROMODICHLOROMETHANE	5.666	83	1427	0.40	UG/L #	72
58) 2-CHLOROETHYL VINYLETHER	5.984	63	4889m	3.33	UG/L	
59) MIBK	6.274	43	16105m	3.64	UG/L	
60) CIS-1,3-DICHLOROPROPENE	6.109	75	1759	0.38	UG/L #	51
61) TOLUENE	6.425	91	4999	0.45	UG/L	97
62) TRANS-1,3,-DICHLOROPRO...	6.670	75	1506	0.36	UG/L #	48
64) 1,1,2-TRICHLOROETHANE	6.823	97	968	0.37	UG/L #	15
65) 2-HEXANONE	7.111	43	10150m	3.20	UG/L	
66) TETRACHLOROETHENE	6.943	166	1038	0.41	UG/L #	69
67) 1,3-DICHLOROPROPANE	6.985	76	1894	0.39	UG/L #	43
68) DIBROMOCHLOROMETHANE	7.197	129	1242	0.42	UG/L	98
69) 1,2-DIBROMOETHANE	7.303	107	949	0.33	UG/L	89
72) CHLOROBENZENE	7.785	112	3019	0.44	UG/L #	87
73) 1,1,1,2-TETRACHLOROETHANE	7.875	131	1083	0.44	UG/L #	59
74) ETHYLBENZENE	7.902	91	4578	0.39	UG/L	94
75) M/P-XYLENES	8.020	91	7493	0.84	UG/L	98
76) O-XYLENE	8.407	91	3769	0.41	UG/L	98
77) STYRENE	8.441	104	3065m	0.41	UG/L	
78) BROMOFORM	8.591	173	743	0.34	UG/L #	36
79) ISOPROPYLBENZENE	8.767	105	4324	0.40	UG/L #	72
81) 1,1,2,2-TETRACHLOROETHANE	9.074	83	1590m	0.39	UG/L	
82) 1,4-DICHLORO-2-BUTENE (...)	9.152	53	320m	0.31	UG/L	
83) BROMOBENZENE	9.060	77	2122	0.43	UG/L #	79
84) 1,2,3-TRICHLOROPROPANE	9.107	75	1858m	0.55	UG/L	
85) N-PROPYLBENZENE	9.185	91	4819	0.38	UG/L	97
86) 2-CHLOROTOLUENE	9.258	91	3574	0.45	UG/L	89
87) 1,3,5-TRIMETHYLBENZENE	9.361	105	3543	0.40	UG/L #	62
88) 4-CHLOROTOLUENE	9.367	91	3327	0.37	UG/L	97
90) TERT-BUTYLBENZENE	9.673	119	2967	0.41	UG/L	88
91) 1,2,4-TRIMETHYLBENZENE	9.729	105	3726	0.41	UG/L	93
92) SEC-BUTYLBENZENE	9.885	105	3802	0.37	UG/L	92
93) 1,3-DICHLOROBENZENE	9.988	146	2154	0.40	UG/L #	75
94) P-ISOPROPYLTOLUENE	10.036	119	3396	0.38	UG/L #	76
95) 1,4-DICHLOROBENZENE	10.069	146	2449	0.43	UG/L #	70
97) N-BUTYLBENZENE	10.460	91	2413m	0.30	UG/L	
98) 1,2-DICHLOROBENZENE	10.454	146	2164	0.40	UG/L #	90
100) 1,3,5-TRICHLOROBENZENE	11.441	180	986m	0.27	UG/L	
101) 1,2,4-TRICHLOROBENZENE	12.088	180	644m	0.19	UG/L	
102) HEXACHLOROBUTADIENE	12.214	225	392m	0.30	UG/L	
103) NAPHTHALENE	12.342	128	2023m	0.20	UG/L	
104) 1,2,3-TRICHLOROBENZENE	12.532	180	743m	0.22	UG/L	

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

72

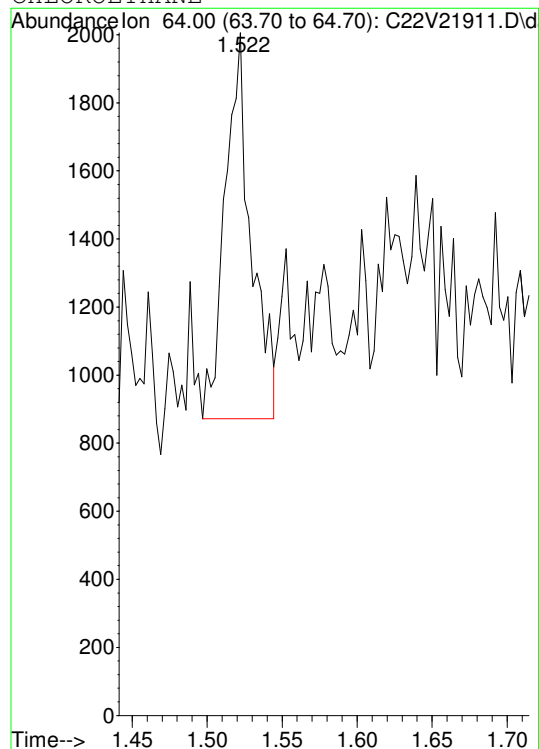
Quant Time: Aug 08 12:17:29 2022
Quant Method : C:\msdchem\1\methods\C051619.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Mon Aug 08 11:15:01 2022
Response via : Initial Calibration



Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21911.D
Acq On : 8 Aug 2022 11:09 am
Operator :
Sample : 8260STD 0.5PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:17:29 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration
CHLOROETHANE



Original Int. Results

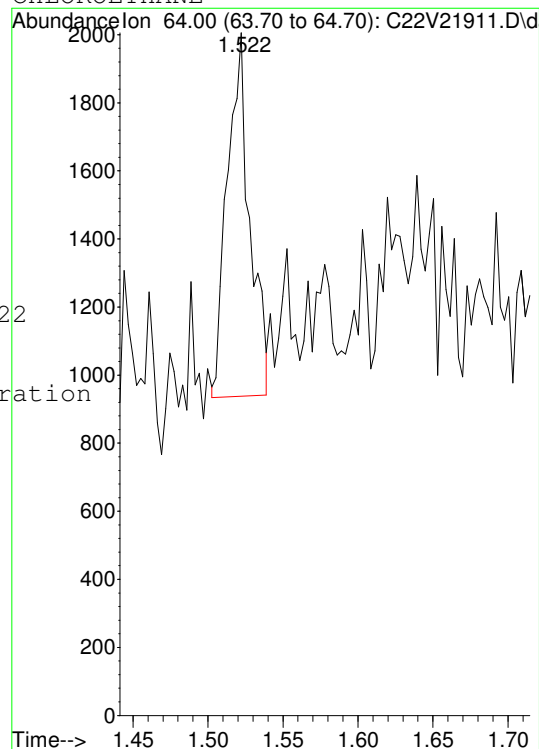
RT : 1.52
Area : 1367
Amount: 0.735156

Manual Int. Results

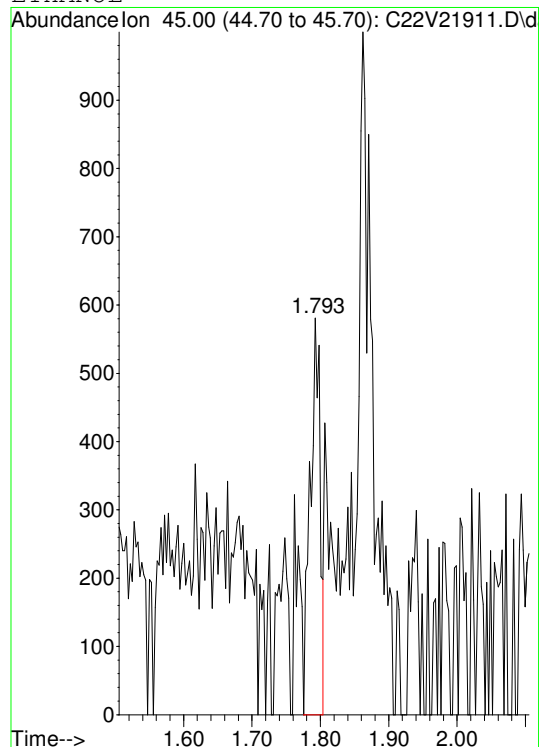
Mon Aug 08 12:15:24 2022

MIuser: EEH
Reason: Incoret Integration
RT : 1.52
Area : 1108
Amount: 0.595869

Manual Integration
CHLOROETHANE



Original Integration
ETHANOL



Original Int. Results

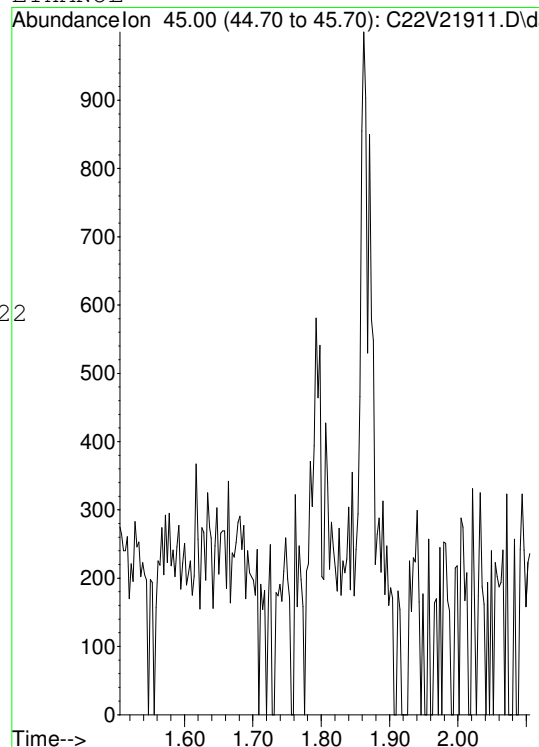
RT : 1.79
Area : 584
Amount: 8.85115

Manual Int. Results

Mon Aug 08 12:15:32 2022

MIuser: EEH
Reason: Split Peak
RT : 0.00
Area : 0
Amount: 0

Manual Integration
ETHANOL



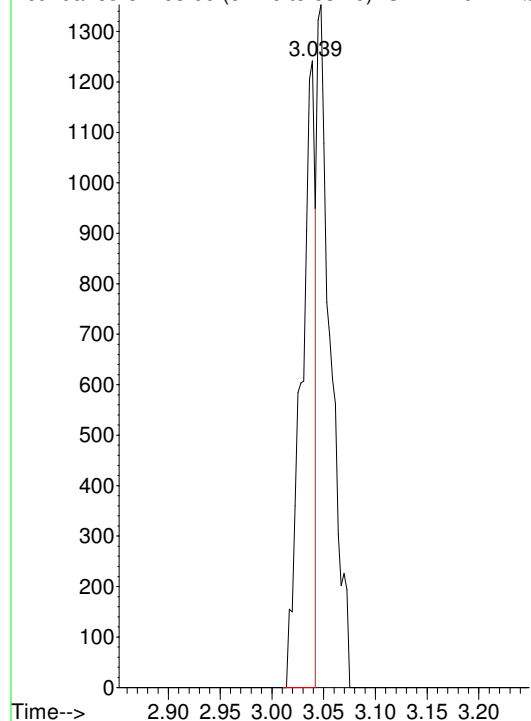
Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21911.D
Acq On : 8 Aug 2022 11:09 am
Operator :
Sample : 8260STD 0.5PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:17:29 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration

1,1-DICHLOROETHANE

Abundance on 63.00 (62.70 to 63.70): C22V21911.D



Original Int. Results

RT : 3.04
Area : 1132
Amount: 0.217899

Manual Int. Results

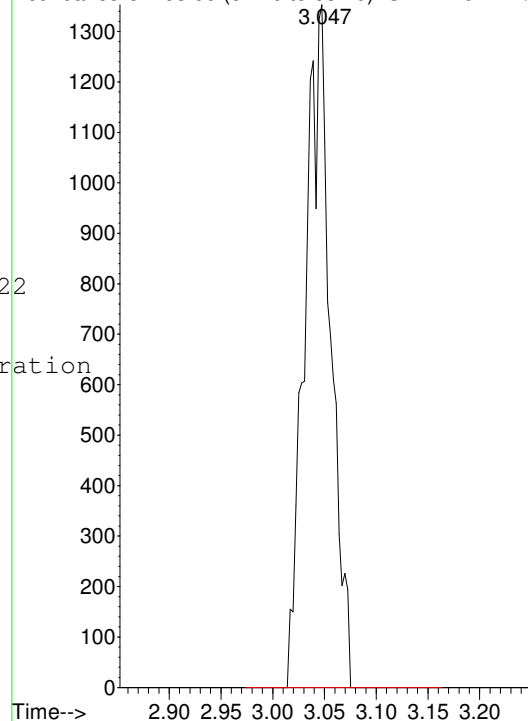
Mon Aug 08 12:15:43 2022

MIuser: EEH
Reason: Incoret Integration
RT : 3.05
Area : 2356
Amount: 0.453508

Manual Integration

1,1-DICHLOROETHANE

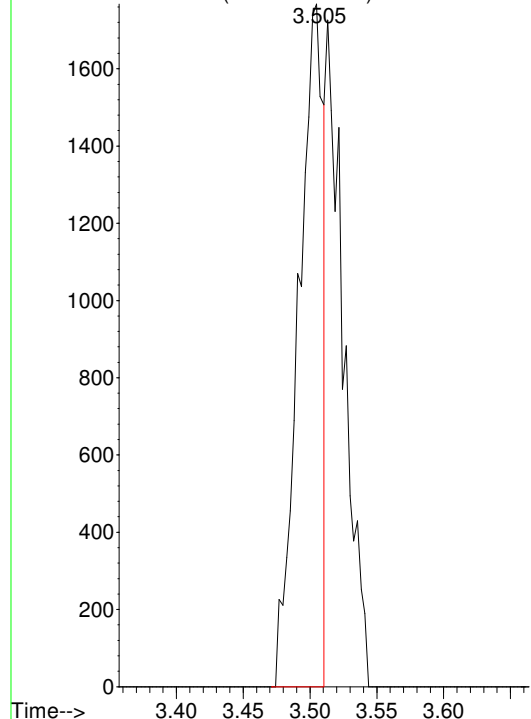
Abundance on 63.00 (62.70 to 63.70): C22V21911.D



Original Integration

T-BUTYL ETHYL ETHER

Abundance on 59.10 (58.80 to 59.80): C22V21911.D



Original Int. Results

RT : 3.50
Area : 2237
Amount: 0.238858

Manual Int. Results

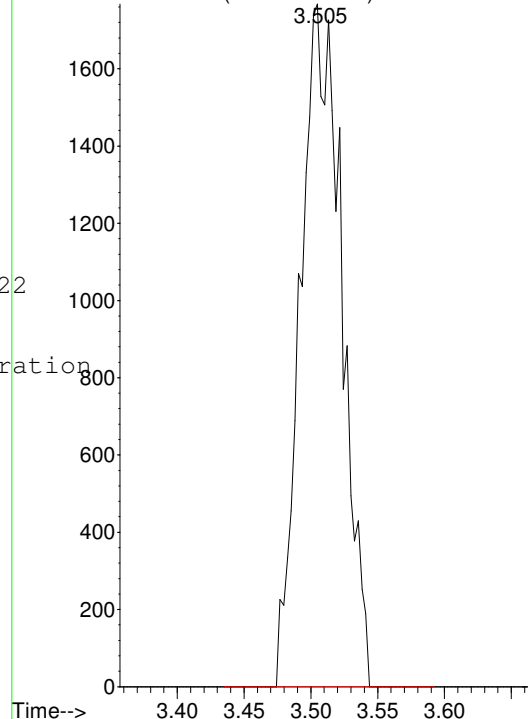
Mon Aug 08 12:15:48 2022

MIuser: EEH
Reason: Incoret Integration
RT : 3.50
Area : 3792
Amount: 0.404895

Manual Integration

T-BUTYL ETHYL ETHER

Abundance on 59.10 (58.80 to 59.80): C22V21911.D



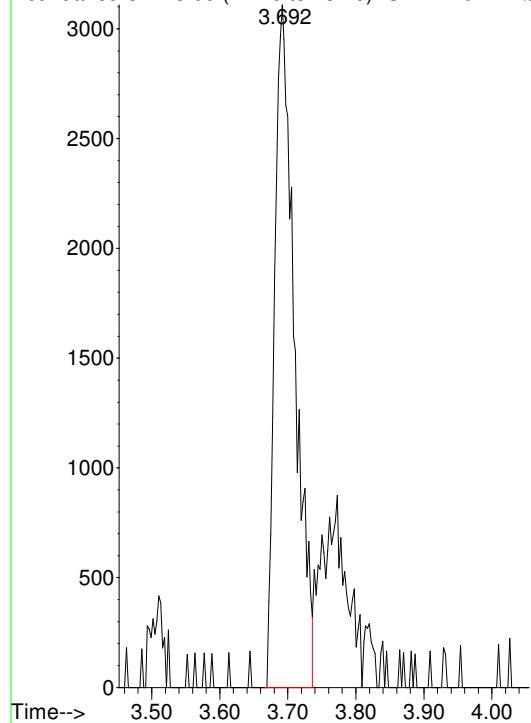
Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21911.D
Acq On : 8 Aug 2022 11:09 am
Operator :
Sample : 8260STD 0.5PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:17:29 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration

ETHYL ACETATE

Abundance on 43.00 (42.70 to 43.70): C22V21911.D



Original Int. Results

RT : 3.69
Area : 6325
Amount: 1.43597

Manual Int. Results

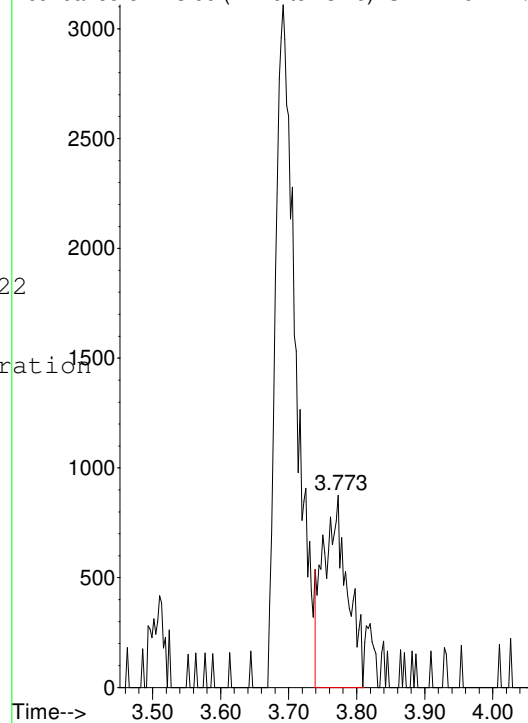
Mon Aug 08 12:15:54 2022

MIuser: EEH
Reason: Incoret Integration
RT : 3.77
Area : 2120
Amount: 0.481306

Manual Integration

ETHYL ACETATE

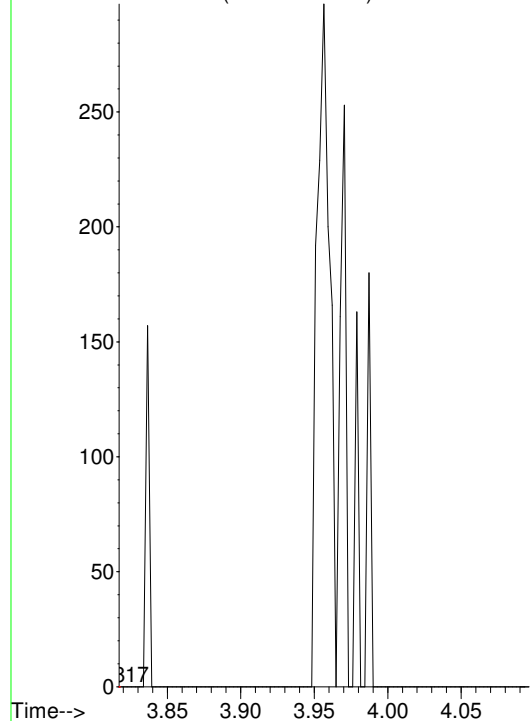
Abundance on 43.00 (42.70 to 43.70): C22V21911.D



Original Integration

TETRAHYDROFURAN

Abundance on 42.10 (41.80 to 42.80): C22V21911.D



Original Int. Results

RT : 0.00
Area : 0
Amount: 0

Manual Int. Results

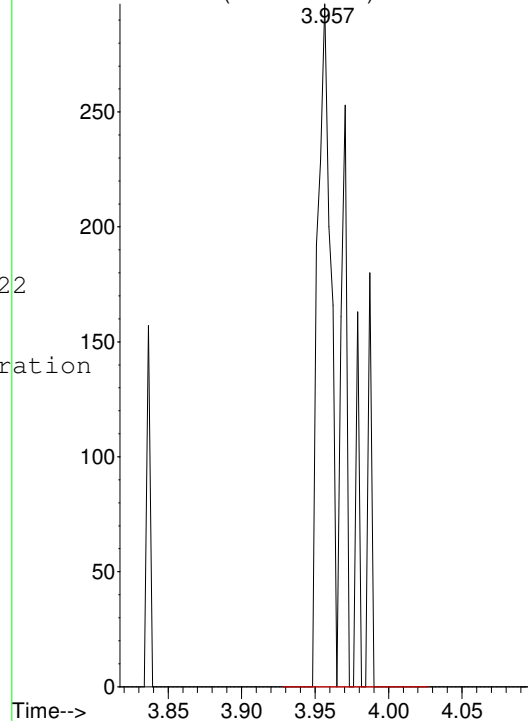
Mon Aug 08 12:16:00 2022

MIuser: EEH
Reason: Incoret Integration
RT : 3.96
Area : 308
Amount: 0.236581

Manual Integration

TETRAHYDROFURAN

Abundance on 42.10 (41.80 to 42.80): C22V21911.D

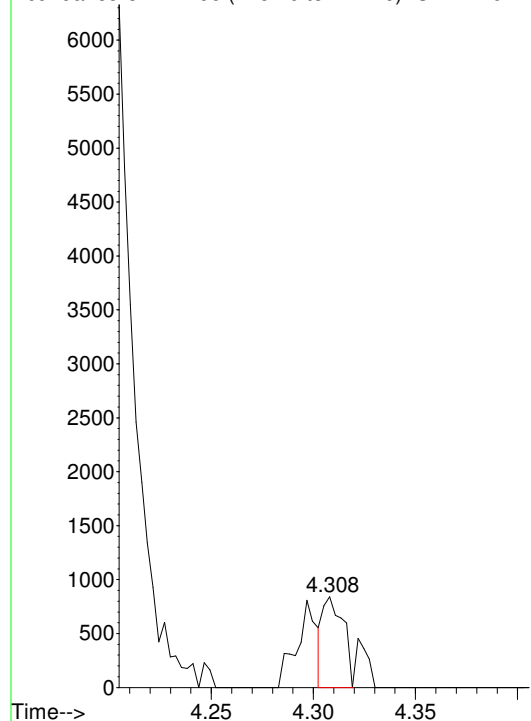


Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21911.D
Acq On : 8 Aug 2022 11:09 am
Operator :
Sample : 8260STD 0.5PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:17:29 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration
CARBON TETRACHLORIDE

Abundance on 117.00 (116.70 to 117.70): C22V21911.D



Original Int. Results

RT : 4.31
Area : 588
Amount: 0.182346

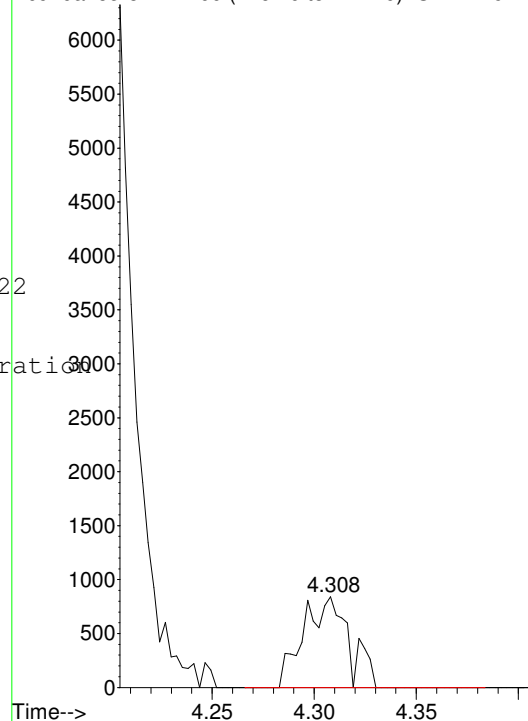
Manual Int. Results

Mon Aug 08 12:16:08 2022

MIuser: EEH
Reason: Incoret Integration
RT : 4.31
Area : 1323
Amount: 0.410278

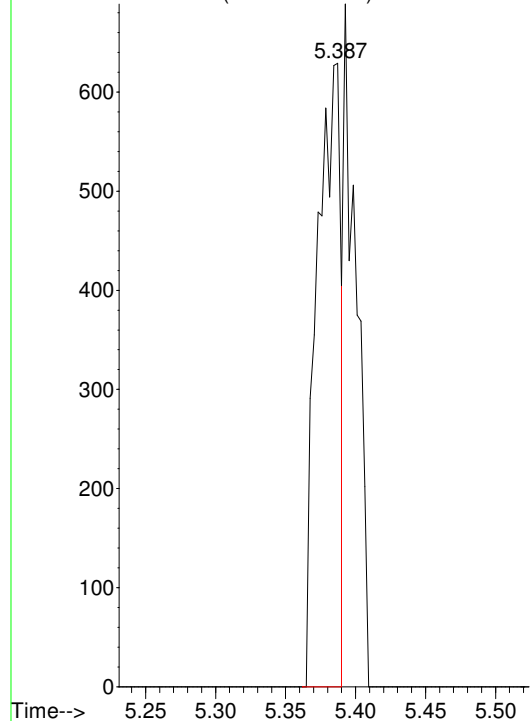
Manual Integration
CARBON TETRACHLORIDE

Abundance on 117.00 (116.70 to 117.70): C22V21911.D



Original Integration
1,2-DICHLOROPROPANE

Abundance on 63.00 (62.70 to 63.70): C22V21911.D



Original Int. Results

RT : 5.39
Area : 726
Amount: 0.24169

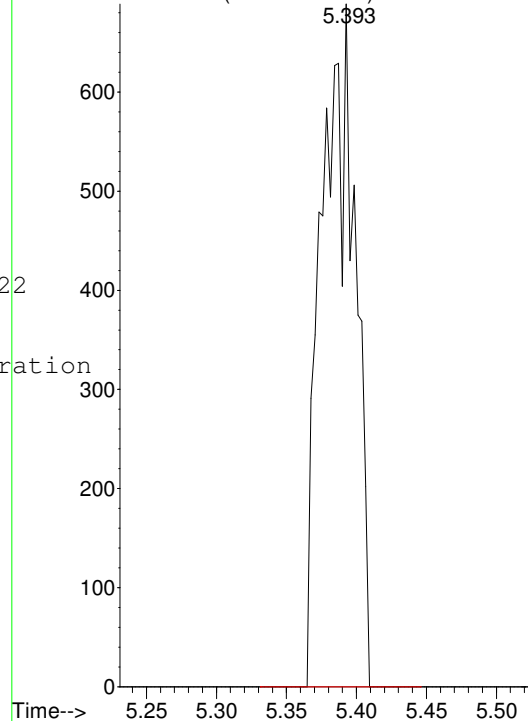
Manual Int. Results

Mon Aug 08 12:16:18 2022

MIuser: EEH
Reason: Incoret Integration
RT : 5.39
Area : 1156
Amount: 0.384839

Manual Integration
1,2-DICHLOROPROPANE

Abundance on 63.00 (62.70 to 63.70): C22V21911.D

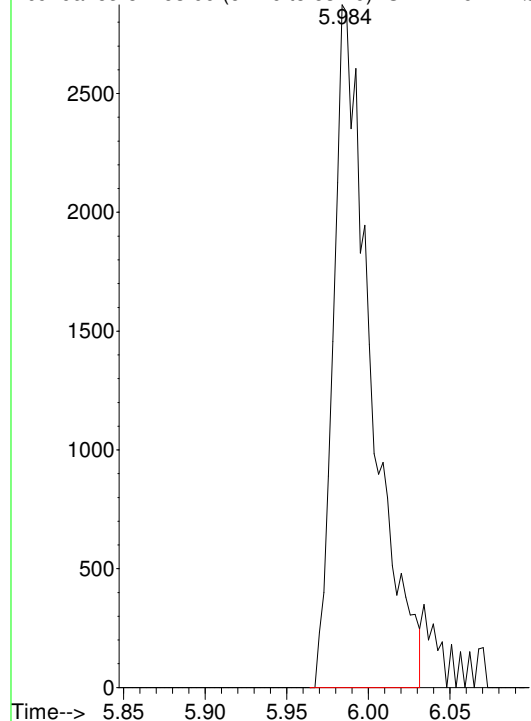


Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21911.D
Acq On : 8 Aug 2022 11:09 am
Operator :
Sample : 8260STD 0.5PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:17:29 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration
2-CHLOROETHYLVINYLEETHER

Abundance on 63.00 (62.70 to 63.70): C22V21911.D



Original Int. Results

RT : 5.98
Area : 4559
Amount: 3.1074

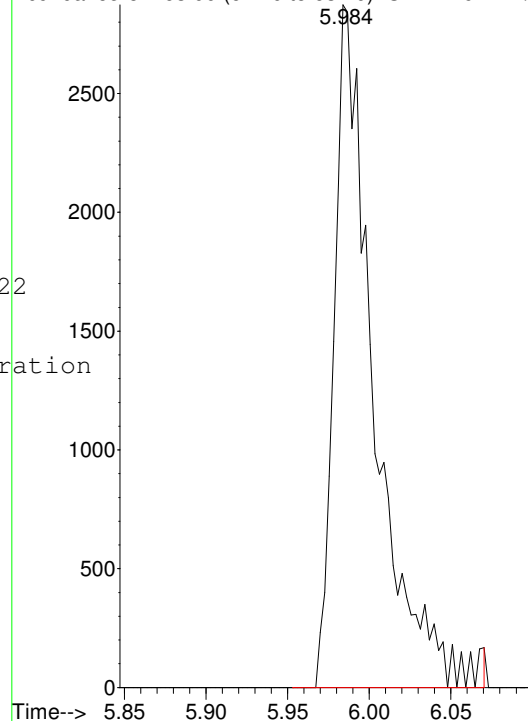
Manual Int. Results

Mon Aug 08 12:16:28 2022

MIuser: EEH
Reason: Incoret Integration
RT : 5.98
Area : 4889
Amount: 3.33232

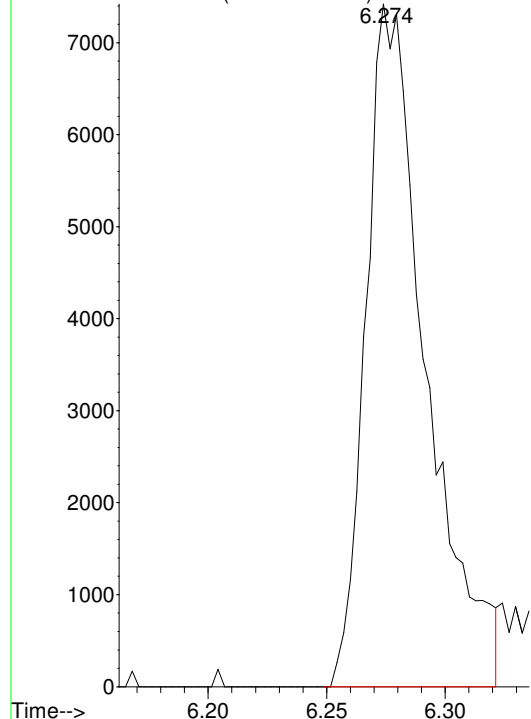
Manual Integration
2-CHLOROETHYLVINYLEETHER

Abundance on 63.00 (62.70 to 63.70): C22V21911.D



Original Integration
MIBK

Abundance on 43.00 (42.70 to 43.70): C22V21911.D



Original Int. Results

RT : 6.27
Area : 13001
Amount: 2.93969

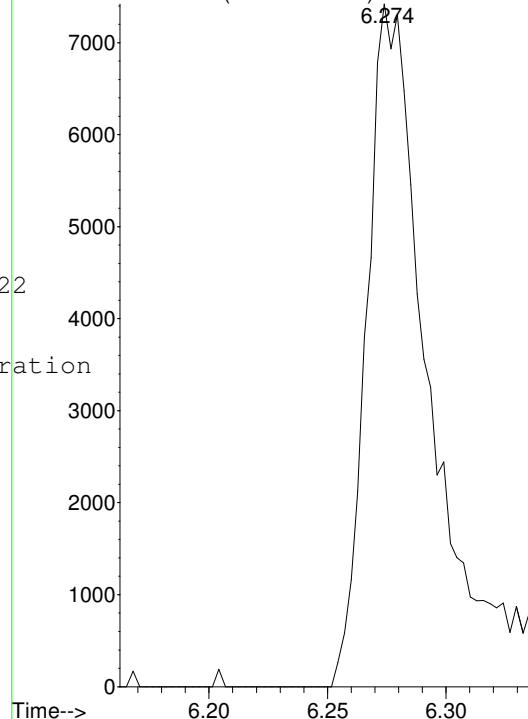
Manual Int. Results

Mon Aug 08 12:16:31 2022

MIuser: EEH
Reason: Incoret Integration
RT : 6.27
Area : 16105
Amount: 3.64154

Manual Integration
MIBK

Abundance on 43.00 (42.70 to 43.70): C22V21911.D



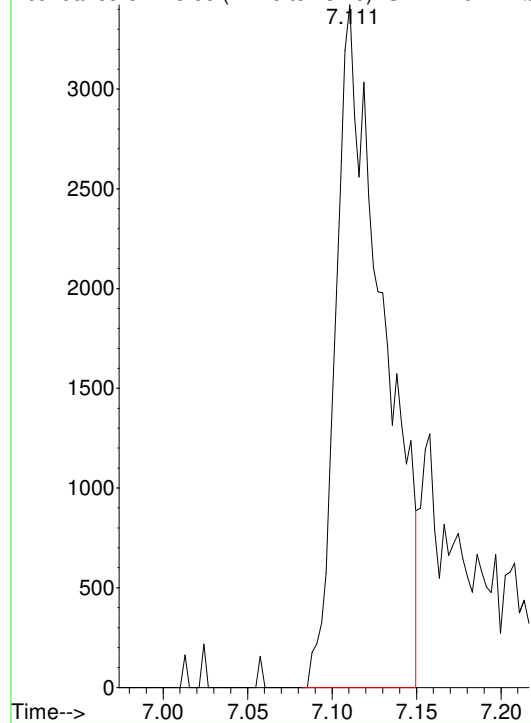
Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21911.D
Acq On : 8 Aug 2022 11:09 am
Operator :
Sample : 8260STD 0.5PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:17:29 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration

2-HEXANONE

Abundance on 43.00 (42.70 to 43.70): C22V21911.D



Original Int. Results

RT : 7.11
Area : 6642
Amount: 2.09102

Manual Int. Results

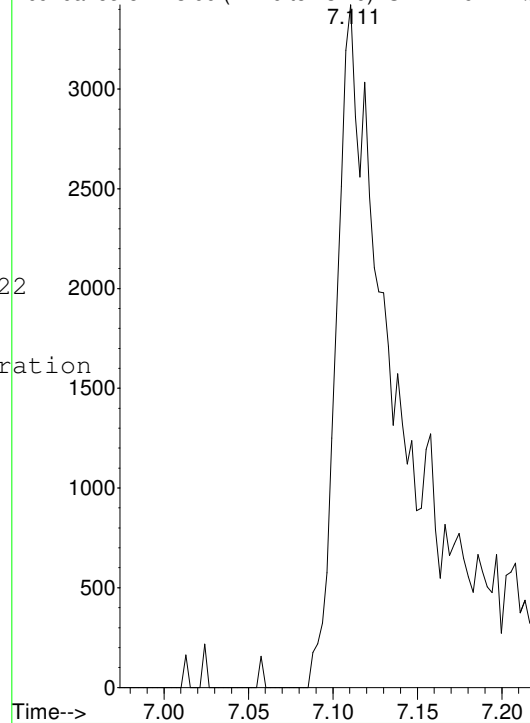
Mon Aug 08 12:16:38 2022

MIuser: EEH
Reason: Incoret Integration
RT : 7.11
Area : 10150
Amount: 3.1954

Manual Integration

2-HEXANONE

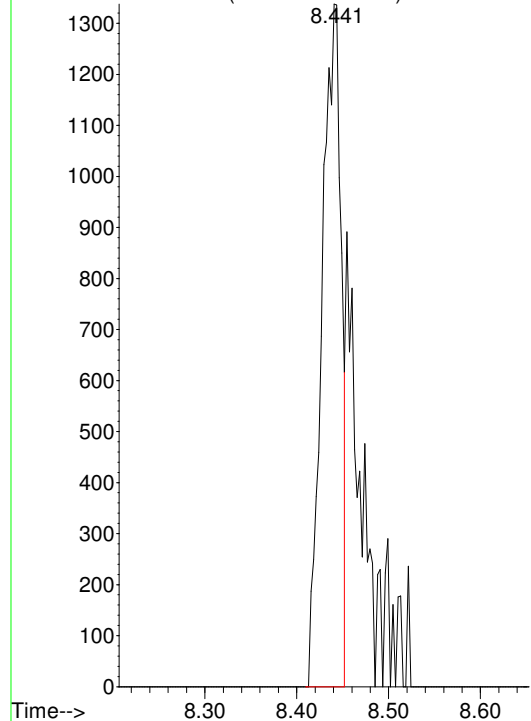
Abundance on 43.00 (42.70 to 43.70): C22V21911.D



Original Integration

STYRENE

Abundance on 104.00 (103.70 to 104.70): C22V21911.D



Original Int. Results

RT : 8.44
Area : 1930
Amount: 0.25909

Manual Int. Results

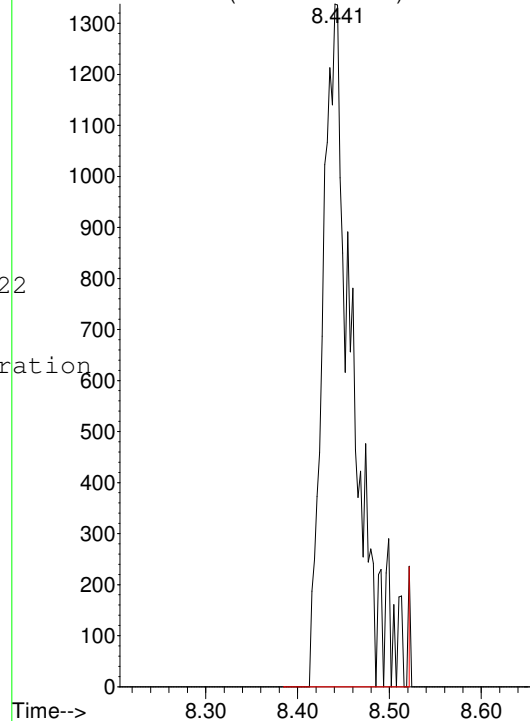
Mon Aug 08 12:16:46 2022

MIuser: EEH
Reason: Incoret Integration
RT : 8.44
Area : 3065
Amount: 0.411457

Manual Integration

STYRENE

Abundance on 104.00 (103.70 to 104.70): C22V21911.D

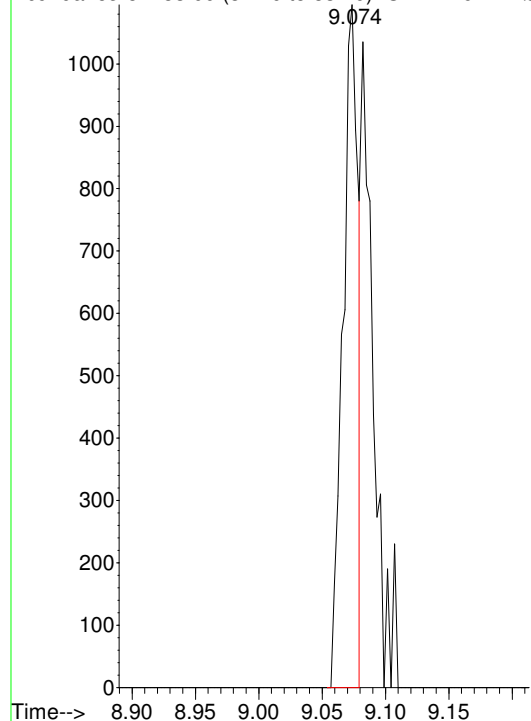


Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21911.D
Acq On : 8 Aug 2022 11:09 am
Operator :
Sample : 8260STD 0.5PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:17:29 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration
1,1,2,2-TETRACHLOROETHANE

Abundance on 83.00 (82.70 to 83.70): C22V21911.D



Original Int. Results

RT : 9.07
Area : 911
Amount: 0.223359

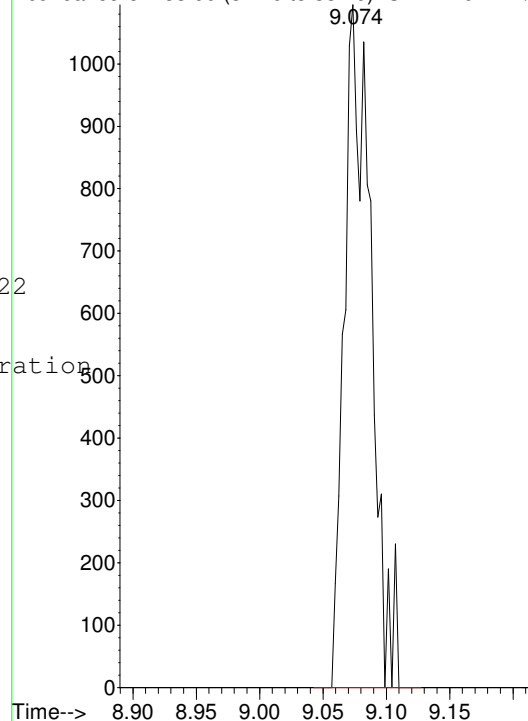
Manual Int. Results

Mon Aug 08 12:16:51 2022

MIuser: EEH
Reason: Incoret Integration
RT : 9.07
Area : 1590
Amount: 0.389836

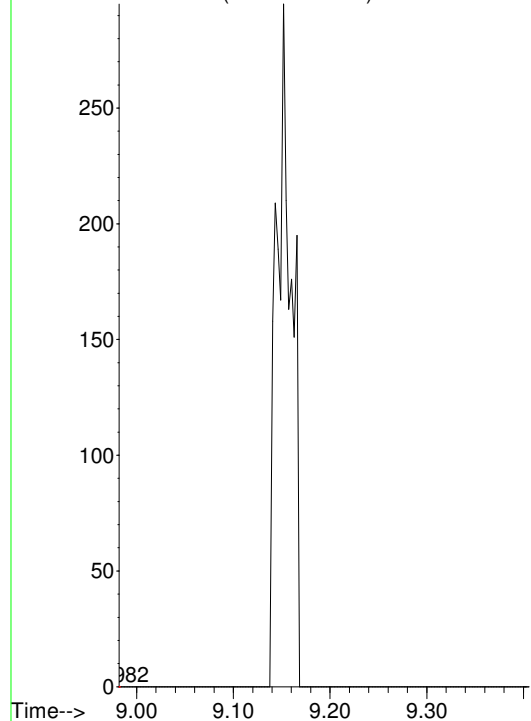
Manual Integration
1,1,2,2-TETRACHLOROETHANE

Abundance on 83.00 (82.70 to 83.70): C22V21911.D



Original Integration
1,4-DICHLORO-2-BUTENE (TRANS)

Abundance on 53.00 (52.70 to 53.70): C22V21911.D



Original Int. Results

RT : 0.00
Area : 0
Amount: 0

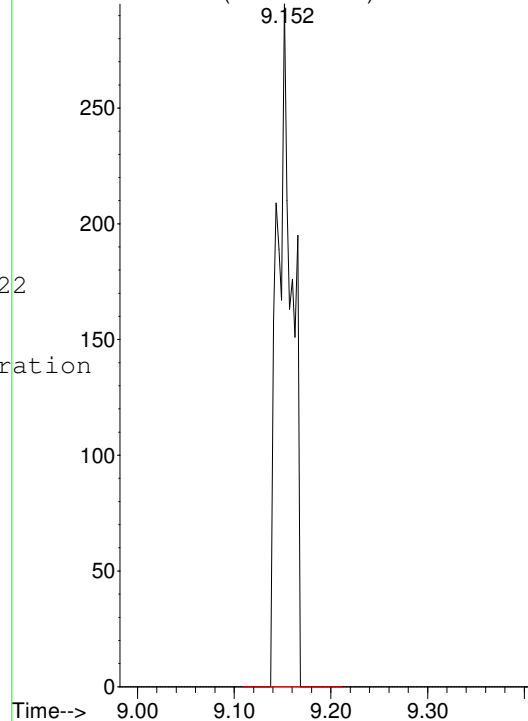
Manual Int. Results

Mon Aug 08 12:16:54 2022

MIuser: EEH
Reason: Incoret Integration
RT : 9.15
Area : 320
Amount: 0.310588

Manual Integration
1,4-DICHLORO-2-BUTENE (TRANS)

Abundance on 53.00 (52.70 to 53.70): C22V21911.D

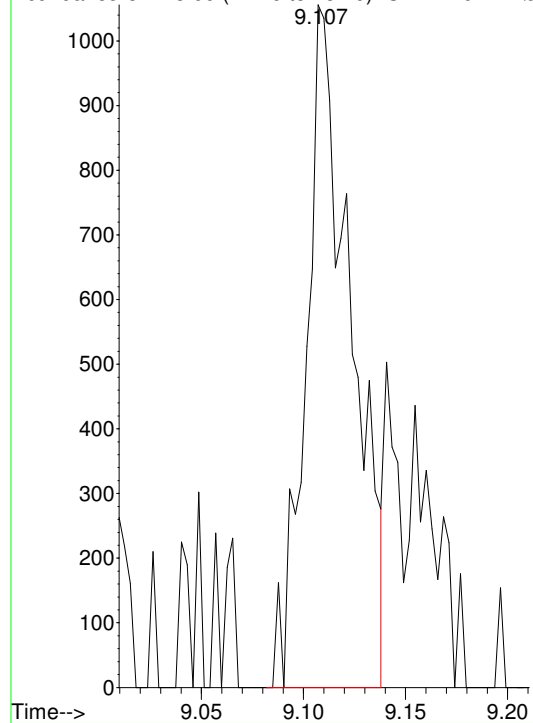


Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21911.D
Acq On : 8 Aug 2022 11:09 am
Operator :
Sample : 8260STD 0.5PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:17:29 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration
1,2,3-TRICHLOROPROPANE

Abundance on 75.00 (74.70 to 75.70): C22V21911.D



Original Int. Results

RT : 9.11
Area : 1627
Amount: 0.477466

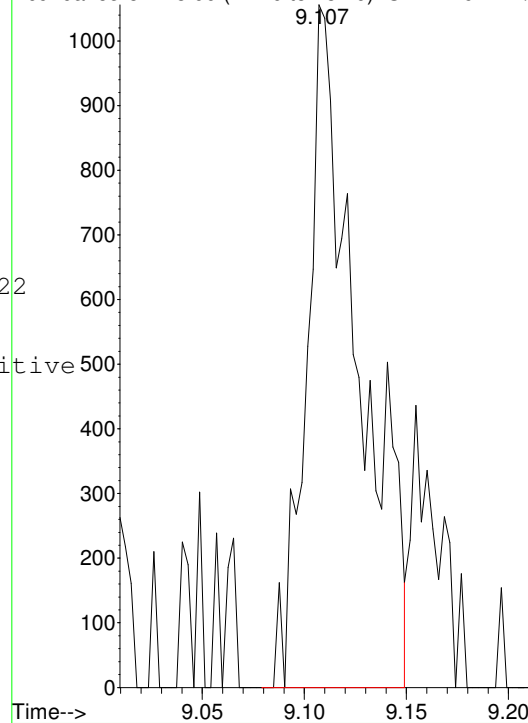
Manual Int. Results

Mon Aug 08 12:16:59 2022

MIuser: EEH
Reason: Qdel False Positive
RT : 9.11
Area : 1858
Amount: 0.545256

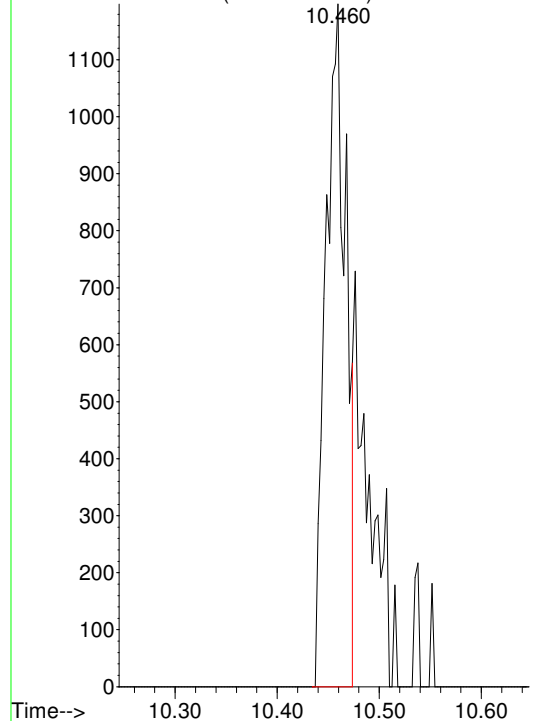
Manual Integration
1,2,3-TRICHLOROPROPANE

Abundance on 75.00 (74.70 to 75.70): C22V21911.D



Original Integration
N-BUTYLBENZENE

Abundance on 91.00 (90.70 to 91.70): C22V21911.D



Original Int. Results

RT : 10.46
Area : 1667
Amount: 0.209662

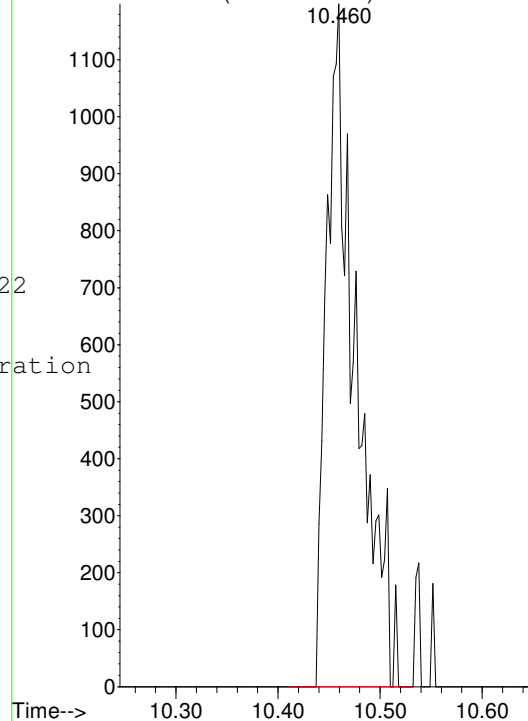
Manual Int. Results

Mon Aug 08 12:17:16 2022

MIuser: EEH
Reason: Incoret Integration
RT : 10.46
Area : 2413
Amount: 0.303488

Manual Integration
N-BUTYLBENZENE

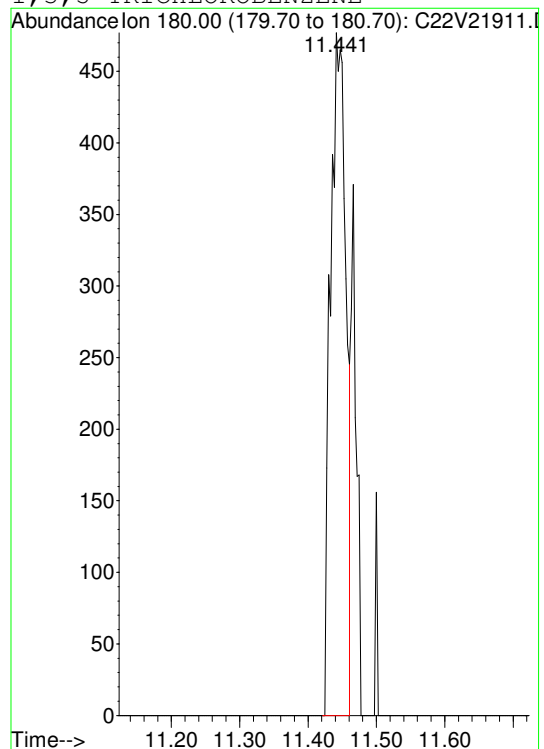
Abundance on 91.00 (90.70 to 91.70): C22V21911.D



Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21911.D
Acq On : 8 Aug 2022 11:09 am
Operator :
Sample : 8260STD 0.5PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:17:29 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration
1,3,5-TRICHLOROBENZENE



Original Int. Results

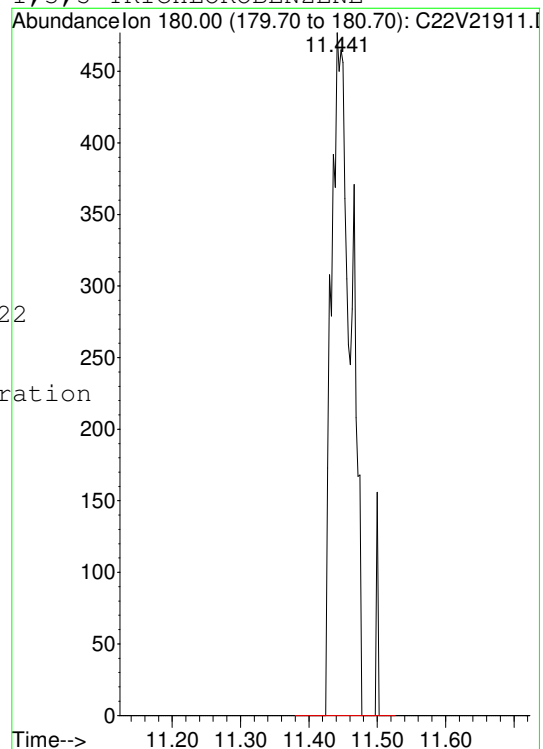
RT : 11.44
Area : 760
Amount: 0.207217

Manual Int. Results

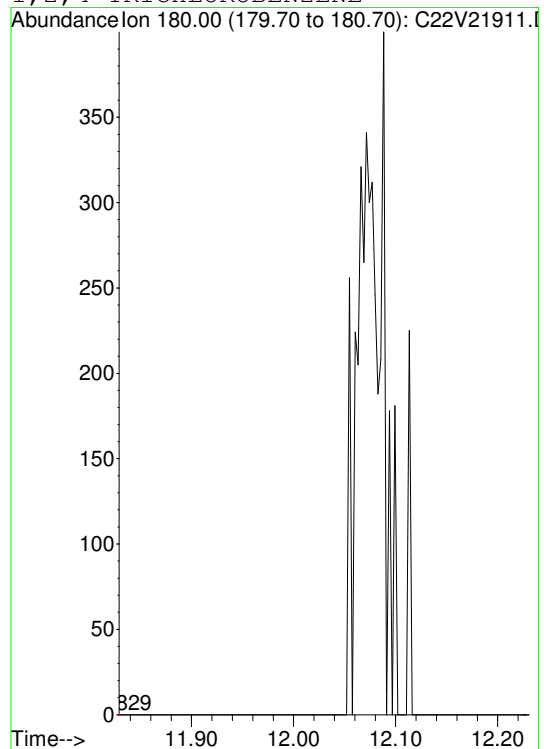
Mon Aug 08 12:17:20 2022

MIuser: EEH
Reason: Incoret Integration
RT : 11.44
Area : 986
Amount: 0.268837

Manual Integration
1,3,5-TRICHLOROBENZENE



Original Integration
1,2,4-TRICHLOROBENZENE



Original Int. Results

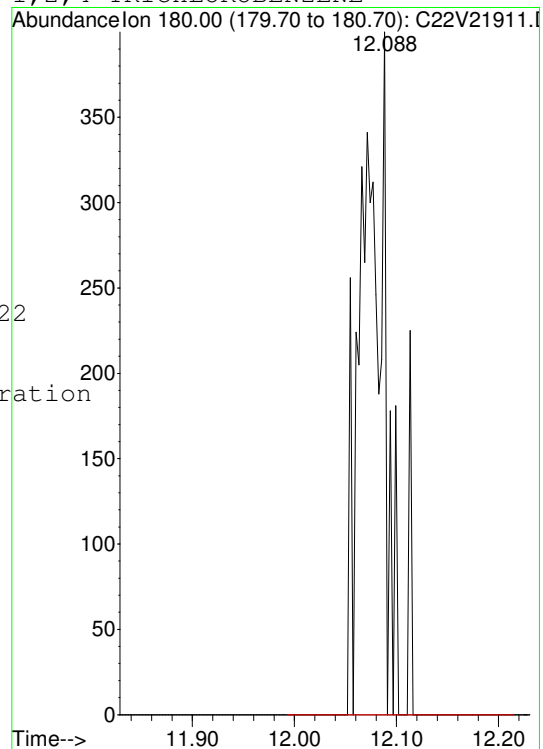
RT : 0.00
Area : 0
Amount: 0

Manual Int. Results

Mon Aug 08 12:17:22 2022

MIuser: EEH
Reason: Incoret Integration
RT : 12.09
Area : 644
Amount: 0.186415

Manual Integration
1,2,4-TRICHLOROBENZENE



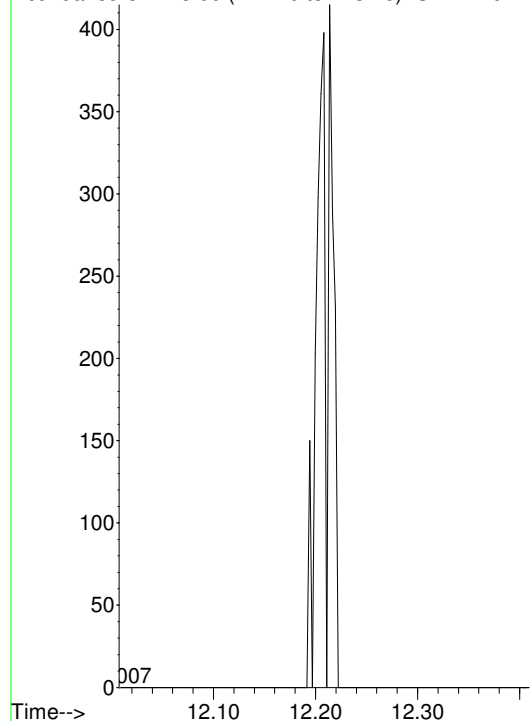
Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21911.D
Acq On : 8 Aug 2022 11:09 am
Operator :
Sample : 8260STD 0.5PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:17:29 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration

HEXACHLOROBUTADIENE

Abundance on 225.00 (224.70 to 225.70): C22V21911.D



Original Int. Results

RT : 0.00
Area : 0
Amount: 0

Manual Int. Results

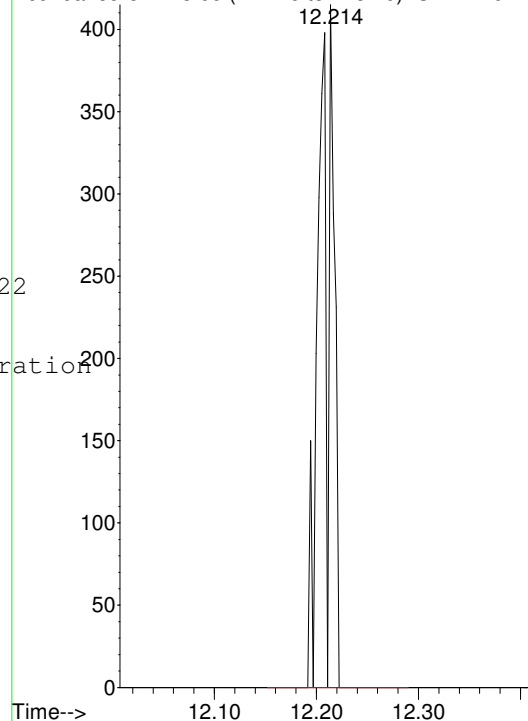
Mon Aug 08 12:17:24 2022

MIuser: EEH
Reason: Incoret Integration
RT : 12.21
Area : 392
Amount: 0.297959

Manual Integration

HEXACHLOROBUTADIENE

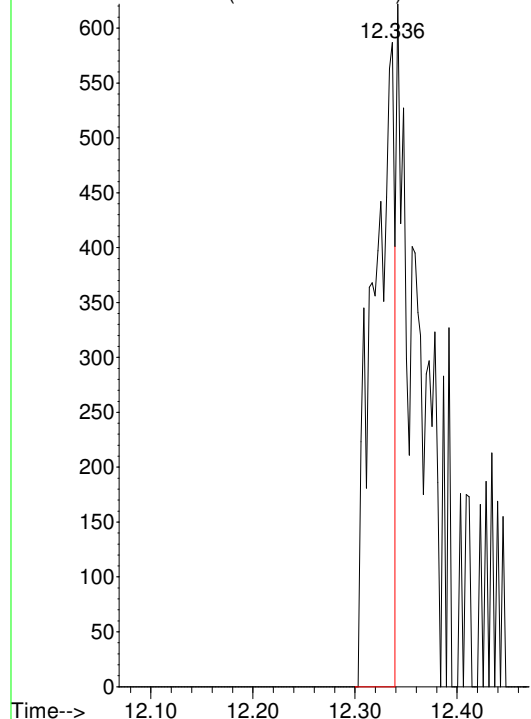
Abundance on 225.00 (224.70 to 225.70): C22V21911.D



Original Integration

NAPHTHALENE

Abundance on 128.00 (127.70 to 128.70): C22V21911.D



Original Int. Results

RT : 12.34
Area : 841
Amount: 0.0814378

Manual Int. Results

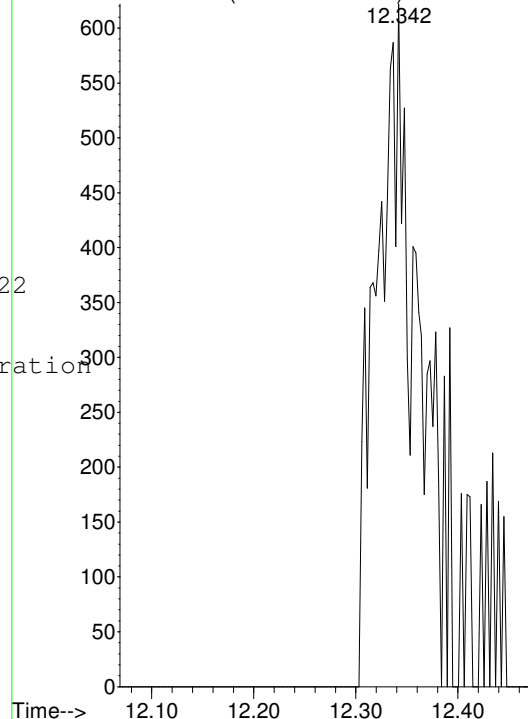
Mon Aug 08 12:17:27 2022

MIuser: EEH
Reason: Incoret Integration
RT : 12.34
Area : 2023
Amount: 0.195896

Manual Integration

NAPHTHALENE

Abundance on 128.00 (127.70 to 128.70): C22V21911.D

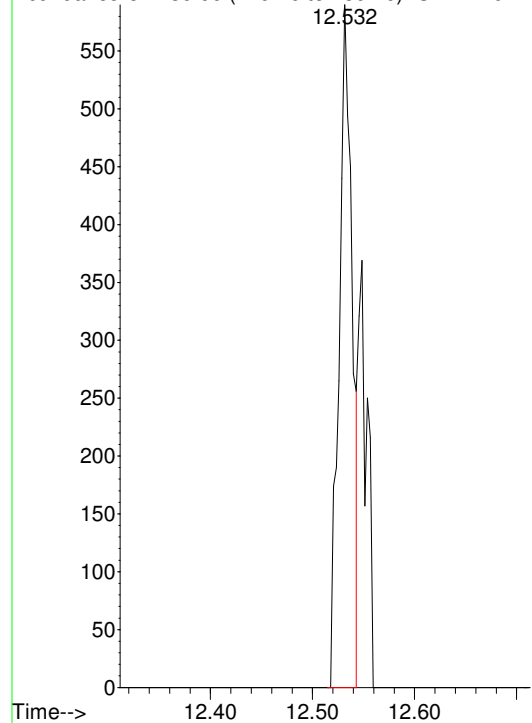


Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21911.D
Acq On : 8 Aug 2022 11:09 am
Operator :
Sample : 8260STD 0.5PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:17:29 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration
1,2,3-TRICHLOROBENZENE

Abundance on 180.00 (179.70 to 180.70): C22V21911.D



Original Int. Results

RT : 12.53
Area : 524
Amount: 0.15271

Manual Int. Results

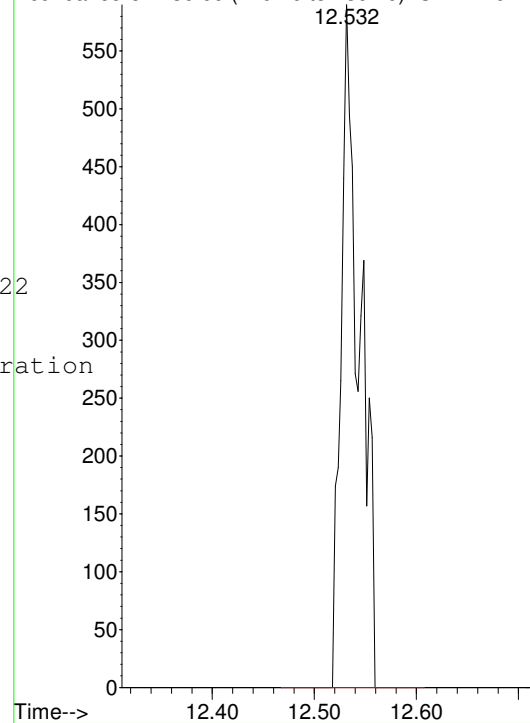
Mon Aug 08 12:17:29 2022

MIuser: EEH
Reason: Incoret Integration
RT : 12.53
Area : 743
Amount: 0.216533

Manual Integration

1,2,3-TRICHLOROBENZENE

Abundance on 180.00 (179.70 to 180.70): C22V21911.D



Data Path : C:\msdchem\1\data\C080822\
 Data File : C22V21912.D
 Acq On : 8 Aug 2022 11:33 am
 Operator :
 Sample : 8260STD 1.0PPB 2206105
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Inst : GCMSVOA3

Quant Time: Aug 08 12:19:52 2022
 Quant Method : C:\msdchem\1\methods\C051619.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Mon Aug 08 11:15:01 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	4.194	168	192447	30.00	UG/L	0.00
48) 1,4-DIFLUOROBENZENE - ...	4.916	114	284819	30.00	UG/L	0.00
70) CHLOROBENZENE-D5 ISTD	7.749	82	138767	30.00	UG/L	0.00
89) 1,4-DICHLOROETHANE-D4...	10.047	152	130928	30.00	UG/L	# 0.00
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.467	65	91212	25.20	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	100.80%	
49) TOLUENE SS	6.352	98	277384	24.42	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	97.68%	
71) 4-BROMOFLUOROBENZENE SS	8.909	95	100585	24.43	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	97.72%	
Target Compounds						
					Qvalue	
3) DICHLORODIFLUOROMETHANE	1.087	85	2878	0.92	UG/L	94
4) DIFLUOROCHLOROMETHANE	1.093	51	3405	0.91	UG/L	# 100
5) CHLOROMETHANE	1.196	50	5363	1.28	UG/L	# 32
6) VINYL CHLORIDE	1.263	62	3208	0.96	UG/L	# 29
7) BROMOMETHANE	1.455	94	2727m	1.49	UG/L	
8) CHLOROETHANE	1.516	64	2453m	1.33	UG/L	
9) FLUORODICHLOROMETHANE	1.636	67	5353	1.06	UG/L	98
10) TRICHLOROFLUOROMETHANE	1.678	101	3989	1.07	UG/L	100
11) ETHANOL	1.795	45	1338	20.40	UG/L	# 38
12) DI ETHYL ETHER	1.862	59	2406	1.01	UG/L	99
13) ACROLEIN	1.957	56	5428	6.85	UG/L	95
14) ACETONE	2.066	43	12127	10.05	UG/L	99
15) 1,1-DICHLOROETHENE	2.021	61	4121	1.11	UG/L	97
16) 1,1,2-TRICL-1,2,2-TRIF...	2.021	101	2519	1.23	UG/L	82
17) IODOMETHANE	2.141	142	24473	8.03	UG/L	98
20) METHYL ACETATE	2.320	43	4803	1.28	UG/L	# 94
21) T-BUTYL ALCOHOL	2.509	59	4346	9.36	UG/L	# 92
22) ACRYLONITRILE	2.615	53	1430	0.90	UG/L	# 59
23) METHYLENE CHLORIDE	2.398	49	4227	1.07	UG/L	100
24) CARBON DISULFIDE	2.191	76	77457	10.78	UG/L	100
25) METHYL TERT-BUTYL ETHE...	2.637	73	9066	1.08	UG/L	98
26) TRANS 1,2-DICHLOROETHENE	2.635	61	4062	1.05	UG/L	91
27) 1,1-DICHLOROETHANE	3.042	63	5014	0.97	UG/L	# 79
28) VINYL ACETATE	3.112	43	79237	7.99	UG/L	99
29) DI ISOPROYL ETHER	3.126	45	9583	0.86	UG/L	97
31) 2-BUTANONE	3.683	43	15358	7.09	UG/L	96
32) T-BUTYL ETHYL ETHER	3.502	59	8452m	0.91	UG/L	
33) CIS-1,2-DICHLOROETHENE	3.647	61	4216	0.94	UG/L	98
34) 2,2-DICHLOROPROPANE	3.630	77	3933m	1.02	UG/L	
35) ETHYL ACETATE	3.759	43	4664m	1.07	UG/L	
38) BROMOCHLOROMETHANE	3.881	49	2407	0.91	UG/L	98
39) TETRAHYDROFURAN	3.962	42	1017	0.79	UG/L	# 40
40) CHLOROFORM	3.976	83	4492	0.94	UG/L	100
41) 1,1,1-TRICHLOROETHANE	4.143	97	3891	1.02	UG/L	91
42) CYCLOHEXANE	4.194	56	7651	1.69	UG/L	# 64
43) CARBON TETRACHLORIDE	4.300	117	3278m	1.02	UG/L	
44) 1,1-DICHLOROPROPENE	4.313	75	3505	0.99	UG/L	# 90
45) BENZENE	4.523	78	10449	0.94	UG/L	# 1
47) T-AMYL METHYL ETHER	4.648	73	7921	0.96	UG/L	97
50) 1,2-DICHLOROETHANE	4.550	62	3854	0.99	UG/L	# 74
51) TRICHLOROETHENE	5.167	95	2543	1.01	UG/L	91
52) METHYLCYCLOHEXANE	5.334	83	3112m	0.91	UG/L	
53) 1,2-DICHLOROPROPANE	5.384	63	2629	0.88	UG/L	# 97

Data Path : C:\msdchem\1\data\C080822\
 Data File : C22V21912.D
 Acq On : 8 Aug 2022 11:33 am
 Operator :
 Sample : 8260STD 1.0PPB 2206105
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Inst : GCMSVOA3

Quant Time: Aug 08 12:19:52 2022
 Quant Method : C:\msdchem\1\methods\C051619.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Mon Aug 08 11:15:01 2022
 Response via : Initial Calibration

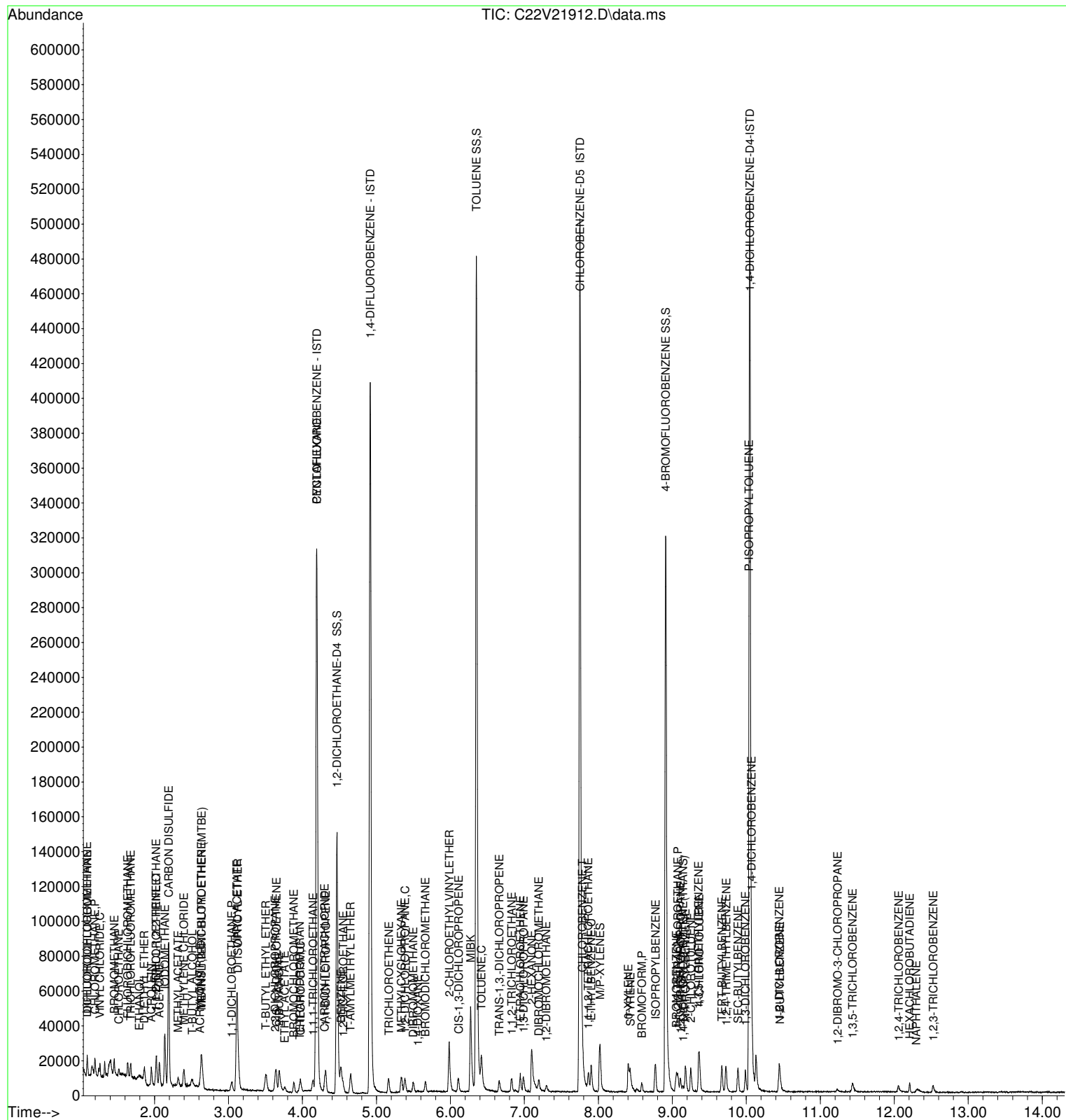
Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
54) DIBROMOMETHANE	5.499	93	1756	0.94	UG/L	93
56) 1,4-DIOXANE	5.557	88	274m	6.23	UG/L	
57) BROMODICHLOROMETHANE	5.660	83	3644	1.02	UG/L #	87
58) 2-CHLOROETHYL VINYLETHYR	5.984	63	11832m	8.07	UG/L	
59) MIBK	6.274	43	35205m	7.96	UG/L	
60) CIS-1,3-DICHLOROPROPENE	6.112	75	4317	0.94	UG/L	92
61) TOLUENE	6.419	91	10805	0.98	UG/L	92
62) TRANS-1,3,-DICHLOROPRO...	6.659	75	3461	0.84	UG/L	90
64) 1,1,2-TRICHLOROETHANE	6.826	97	2495	0.96	UG/L #	82
65) 2-HEXANONE	7.099	43	23827m	7.50	UG/L	
66) TETRACHLOROETHENE	6.946	166	2487	0.98	UG/L	97
67) 1,3-DICHLOROPROPANE	6.988	76	4334	0.90	UG/L	96
68) DIBROMOCHLOROMETHANE	7.194	129	2922	0.98	UG/L	90
69) 1,2-DIBROMOETHANE	7.292	107	2605m	0.90	UG/L	
72) CHLOROBENZENE	7.783	112	6843	1.00	UG/L	94
73) 1,1,1,2-TETRACHLOROETHANE	7.861	131	2623	1.07	UG/L #	64
74) ETHYLBENZENE	7.902	91	10954	0.93	UG/L	95
75) M/P-XYLENES	8.022	91	16880	1.89	UG/L	98
76) O-XYLENE	8.404	91	9049	0.98	UG/L	94
77) STYRENE	8.432	104	6817	0.92	UG/L	93
78) BROMOFORM	8.586	173	2112	0.98	UG/L #	69
79) ISOPROPYLBENZENE	8.772	105	10121	0.95	UG/L	97
81) 1,1,2,2-TETRACHLOROETHANE	9.074	83	3798	0.94	UG/L #	89
82) 1,4-DICHLORO-2-BUTENE (...)	9.146	53	847m	0.83	UG/L	
83) BROMOBENZENE	9.054	77	4767m	0.97	UG/L	
84) 1,2,3-TRICHLOROPROPANE	9.110	75	3907m	1.15	UG/L	
85) N-PROPYLBENZENE	9.177	91	11568	0.92	UG/L	96
86) 2-CHLOROTOLUENE	9.249	91	7139	0.90	UG/L	98
87) 1,3,5-TRIMETHYLBENZENE	9.355	105	8348	0.94	UG/L	95
88) 4-CHLOROTOLUENE	9.364	91	8952	0.99	UG/L	92
90) TERT-BUTYLBENZENE	9.670	119	7013	0.99	UG/L	98
91) 1,2,4-TRIMETHYLBENZENE	9.729	105	8498	0.95	UG/L	98
92) SEC-BUTYLBENZENE	9.888	105	9490	0.95	UG/L	94
93) 1,3-DICHLOROBENZENE	9.988	146	4968	0.96	UG/L	97
94) P-ISOPROPYLTOLUENE	10.036	119	7798	0.91	UG/L	96
95) 1,4-DICHLOROBENZENE	10.069	146	5771	1.05	UG/L #	92
97) N-BUTYLBENZENE	10.454	91	5365	0.69	UG/L #	46
98) 1,2-DICHLOROBENZENE	10.443	146	4704	0.90	UG/L	93
99) 1,2-DIBROMO-3-CHLOROPR...	11.232	75	579m	0.81	UG/L	
100) 1,3,5-TRICHLOROBENZENE	11.436	180	2944m	0.83	UG/L	
101) 1,2,4-TRICHLOROBENZENE	12.057	180	2026m	0.60	UG/L	
102) HEXACHLOROBUTADIENE	12.205	225	987m	0.77	UG/L	
103) NAPHTHALENE	12.297	128	5327m	0.53	UG/L	
104) 1,2,3-TRICHLOROBENZENE	12.526	180	2110m	0.63	UG/L	

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

Data Path : C:\msdchem\1\data\C080822\
 Data File : C22V21912.D
 Acq On : 8 Aug 2022 11:33 am
 Operator :
 Sample : 8260STD 1.0PPB 2206105
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Inst : GCMSVOA3

Quant Time: Aug 08 12:19:52 2022
 Quant Method : C:\msdchem\1\methods\C051619.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Mon Aug 08 11:15:01 2022
 Response via : Initial Calibration



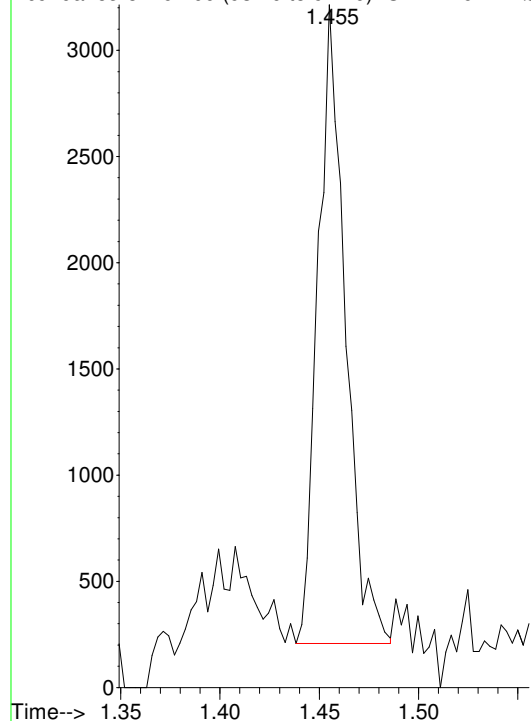
Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21912.D
Acq On : 8 Aug 2022 11:33 am
Operator :
Sample : 8260STD 1.0PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:19:52 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration

BROMOMETHANE

Abundance on 94.00 (93.70 to 94.70): C22V21912.D



Original Int. Results

RT : 1.46
Area : 2897
Amount: 1.58617

Manual Int. Results

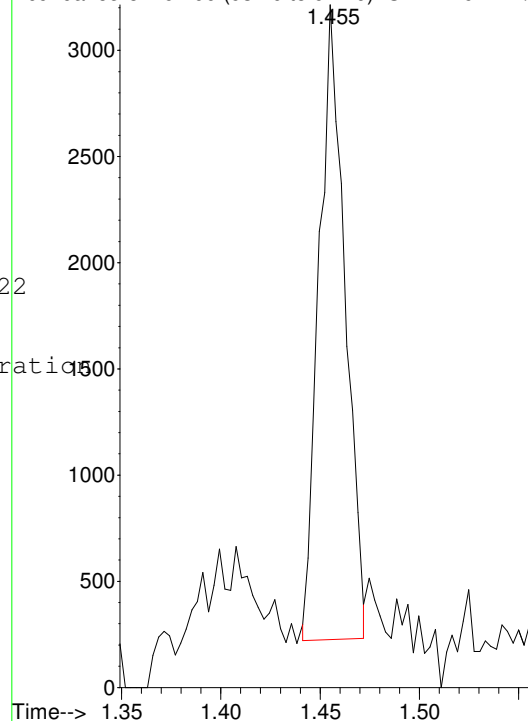
Mon Aug 08 12:17:52 2022

MIuser: EEH
Reason: Incoret Integration
RT : 1.46
Area : 2727
Amount: 1.49309

Manual Integration

BROMOMETHANE

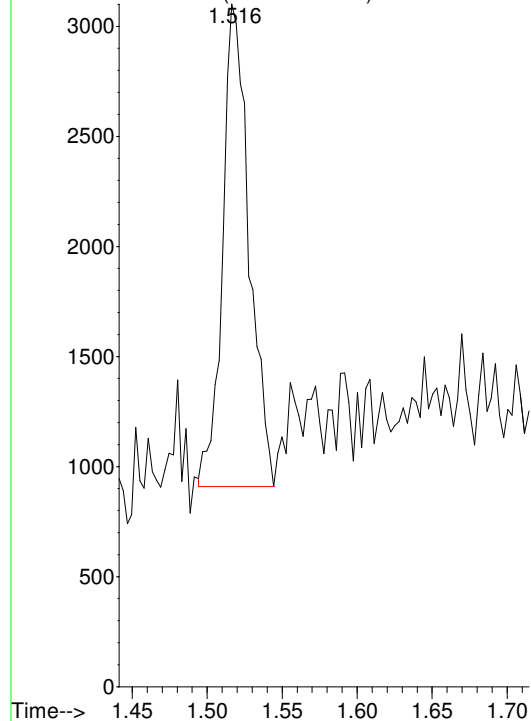
Abundance on 94.00 (93.70 to 94.70): C22V21912.D



Original Integration

CHLOROETHANE

Abundance on 64.00 (63.70 to 64.70): C22V21912.D



Original Int. Results

RT : 1.52
Area : 2673
Amount: 1.44605

Manual Int. Results

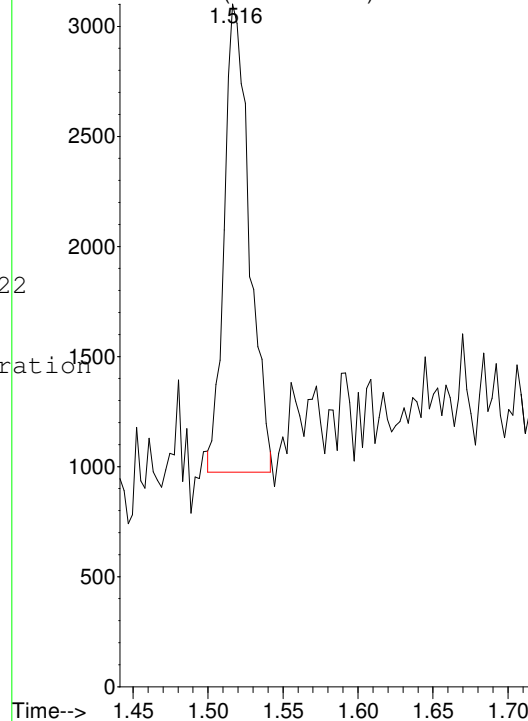
Mon Aug 08 12:17:58 2022

MIuser: EEH
Reason: Incoret Integration
RT : 1.52
Area : 2453
Amount: 1.32704

Manual Integration

CHLOROETHANE

Abundance on 64.00 (63.70 to 64.70): C22V21912.D

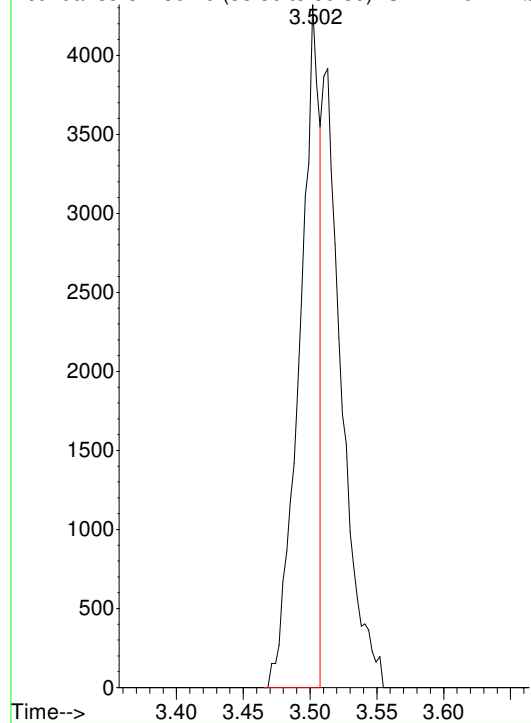


Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21912.D
Acq On : 8 Aug 2022 11:33 am
Operator :
Sample : 8260STD 1.0PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:19:52 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration
T-BUTYL ETHYL ETHER

Abundance on 59.10 (58.80 to 59.80): C22V21912.D



Original Int. Results

RT : 3.50
Area : 4542
Amount: 0.48786

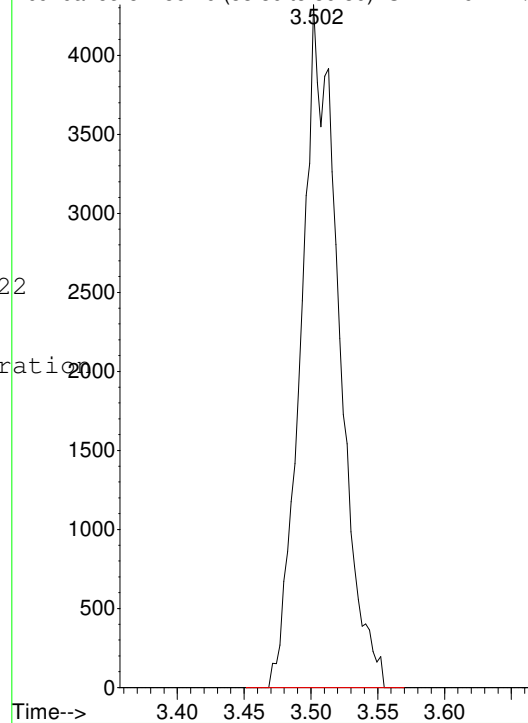
Manual Int. Results

Mon Aug 08 12:18:17 2022

MIuser: EEH
Reason: Incoret Integration
RT : 3.50
Area : 8452
Amount: 0.907836

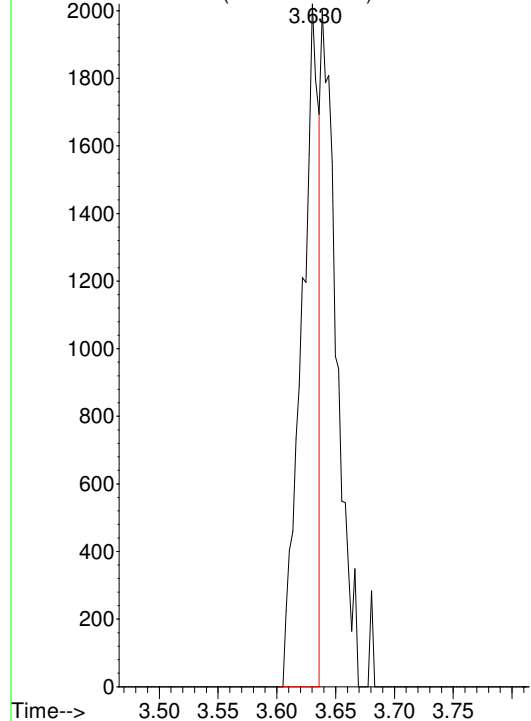
Manual Integration
T-BUTYL ETHYL ETHER

Abundance on 59.10 (58.80 to 59.80): C22V21912.D



Original Integration
2,2-DICHLOROPROPANE

Abundance on 77.00 (76.70 to 77.70): C22V21912.D



Original Int. Results

RT : 3.63
Area : 2041
Amount: 0.527574

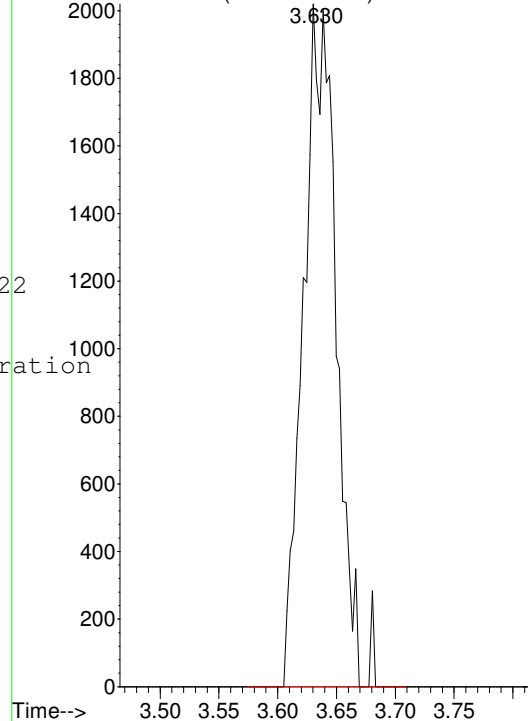
Manual Int. Results

Mon Aug 08 12:18:20 2022

MIuser: EEH
Reason: Incoret Integration
RT : 3.63
Area : 3933
Amount: 1.01663

Manual Integration
2,2-DICHLOROPROPANE

Abundance on 77.00 (76.70 to 77.70): C22V21912.D



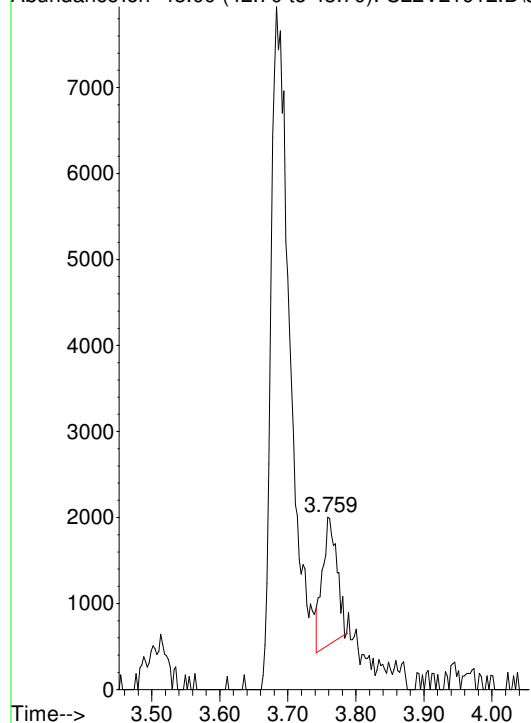
Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21912.D
Acq On : 8 Aug 2022 11:33 am
Operator :
Sample : 8260STD 1.0PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:19:52 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration

ETHYL ACETATE

Abundance on 43.00 (42.70 to 43.70): C22V21912.D



Original Int. Results

RT : 3.76
Area : 2175
Amount: 0.496728

Manual Int. Results

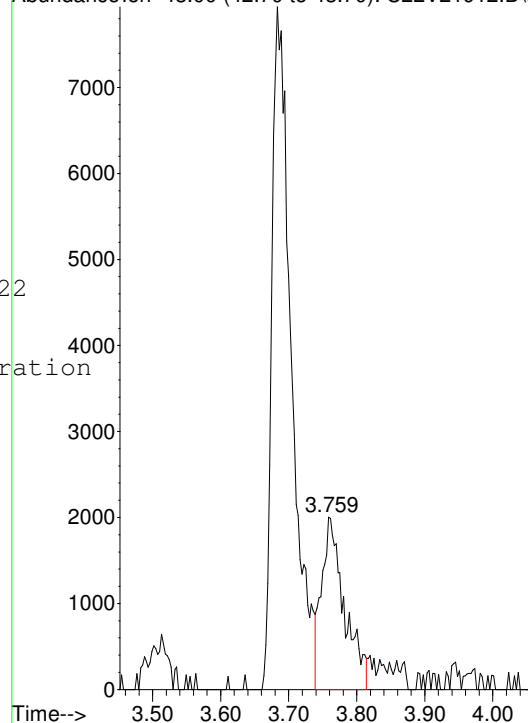
Mon Aug 08 12:18:24 2022

MIuser: EEH
Reason: Incoret Integration
RT : 3.76
Area : 4664
Amount: 1.06517

Manual Integration

ETHYL ACETATE

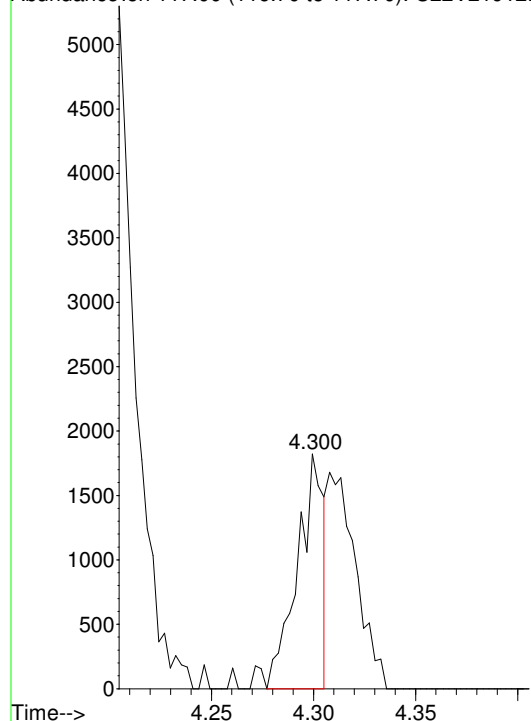
Abundance on 43.00 (42.70 to 43.70): C22V21912.D



Original Integration

CARBON TETRACHLORIDE

Abundance on 117.00 (116.70 to 117.70): C22V21912.D



Original Int. Results

RT : 4.30
Area : 1614
Amount: 0.503496

Manual Int. Results

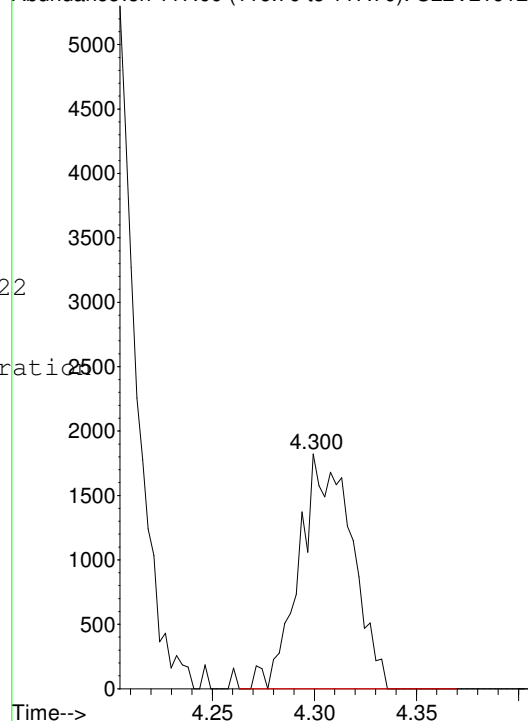
Mon Aug 08 12:18:32 2022

MIuser: EEH
Reason: Incoret Integration
RT : 4.30
Area : 3278
Amount: 1.02259

Manual Integration

CARBON TETRACHLORIDE

Abundance on 117.00 (116.70 to 117.70): C22V21912.D



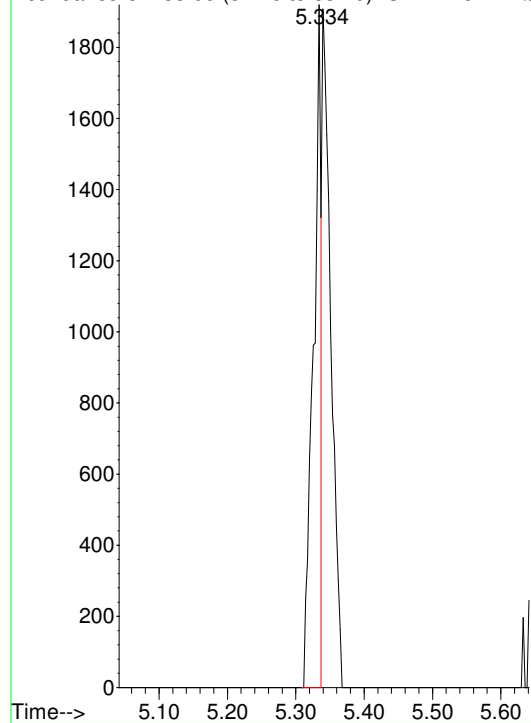
Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21912.D
Acq On : 8 Aug 2022 11:33 am
Operator :
Sample : 8260STD 1.0PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:19:52 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration

METHYLCYCLOHEXANE

Abundance on 83.00 (82.70 to 83.70): C22V21912.D



Original Int. Results

RT : 5.33
Area : 1446
Amount: 0.421656

Manual Int. Results

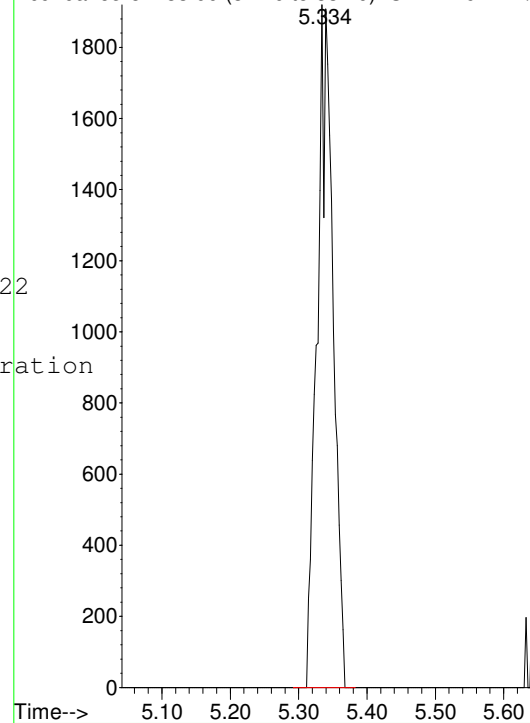
Mon Aug 08 12:18:41 2022

MIuser: EEH
Reason: Incoret Integration
RT : 5.33
Area : 3112
Amount: 0.907465

Manual Integration

METHYLCYCLOHEXANE

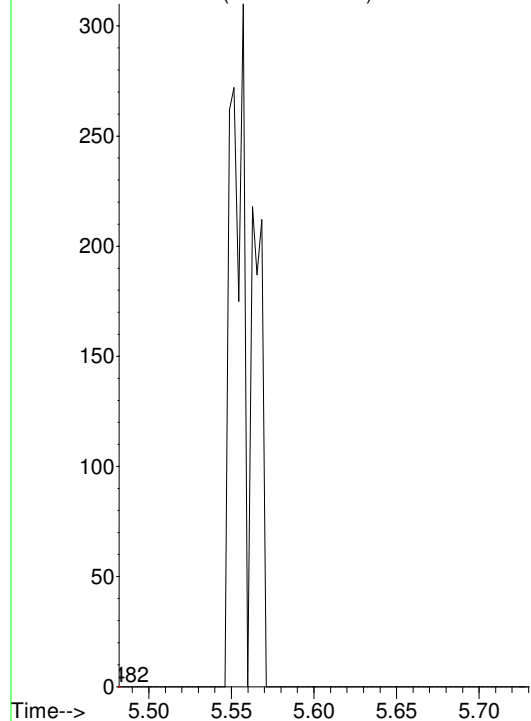
Abundance on 83.00 (82.70 to 83.70): C22V21912.D



Original Integration

1,4-DIOXANE

Abundance on 88.10 (87.80 to 88.80): C22V21912.D



Original Int. Results

RT : 0.00
Area : 0
Amount: 0

Manual Int. Results

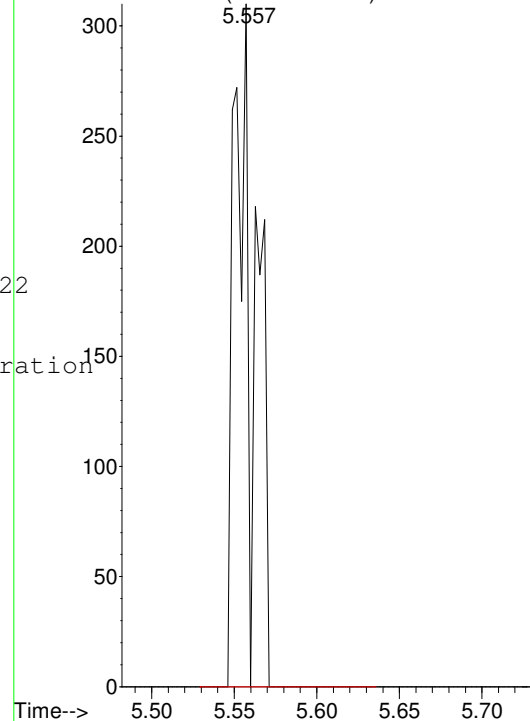
Mon Aug 08 12:18:49 2022

MIuser: EEH
Reason: Incoret Integration
RT : 5.56
Area : 274
Amount: 6.22641

Manual Integration

1,4-DIOXANE

Abundance on 88.10 (87.80 to 88.80): C22V21912.D

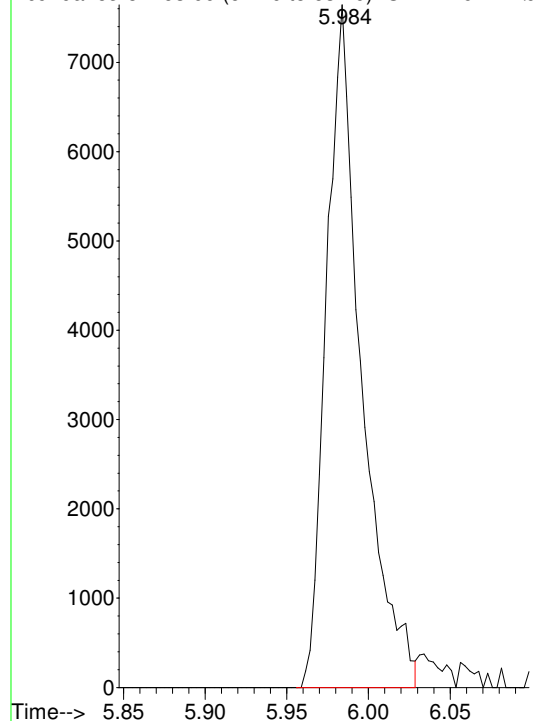


Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21912.D
Acq On : 8 Aug 2022 11:33 am
Operator :
Sample : 8260STD 1.0PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:19:52 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration
2-CHLOROETHYLVINYLEETHER

Abundance on 63.00 (62.70 to 63.70): C22V21912.D



Original Int. Results

RT : 5.98
Area : 11382
Amount: 7.76174

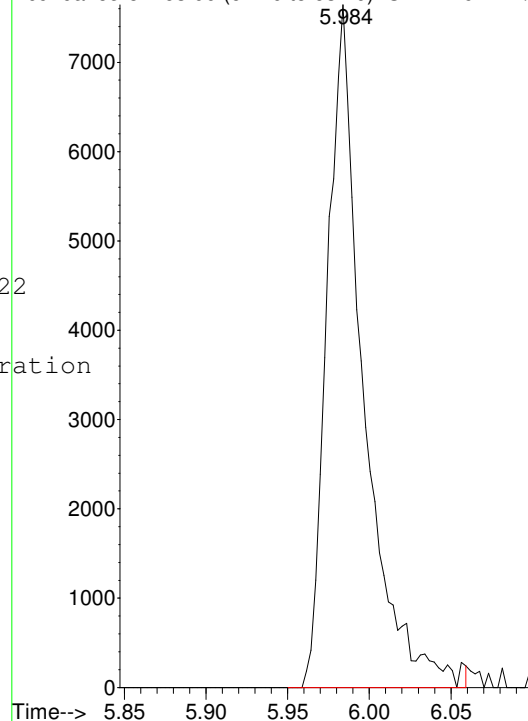
Manual Int. Results

Mon Aug 08 12:18:54 2022

MIuser: EEH
Reason: Incoret Integration
RT : 5.98
Area : 11832
Amount: 8.06861

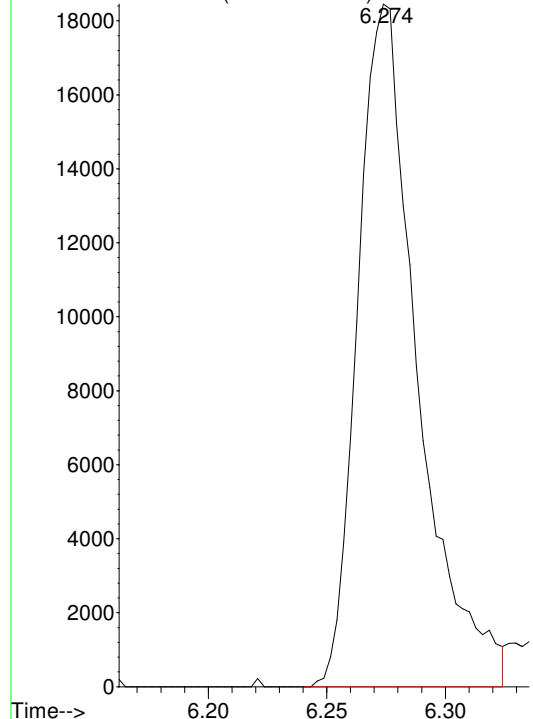
Manual Integration
2-CHLOROETHYLVINYLEETHER

Abundance on 63.00 (62.70 to 63.70): C22V21912.D



Original Integration
MIBK

Abundance on 43.00 (42.70 to 43.70): C22V21912.D



Original Int. Results

RT : 6.27
Area : 32264
Amount: 7.29887

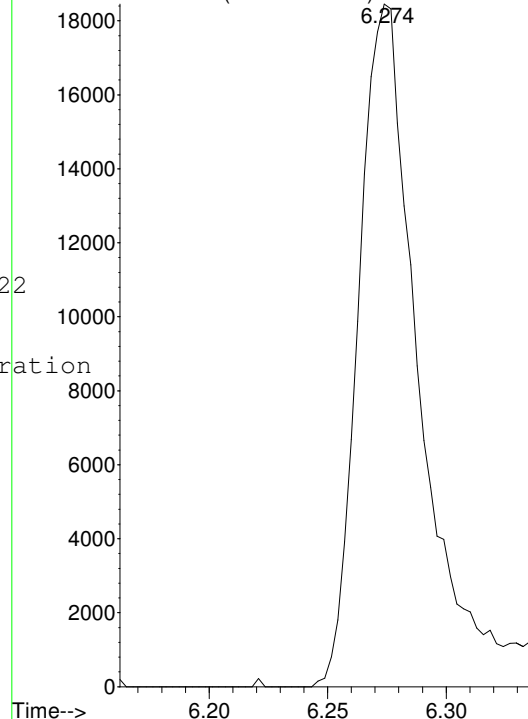
Manual Int. Results

Mon Aug 08 12:18:58 2022

MIuser: EEH
Reason: Incoret Integration
RT : 6.27
Area : 35205
Amount: 7.96419

Manual Integration
MIBK

Abundance on 43.00 (42.70 to 43.70): C22V21912.D

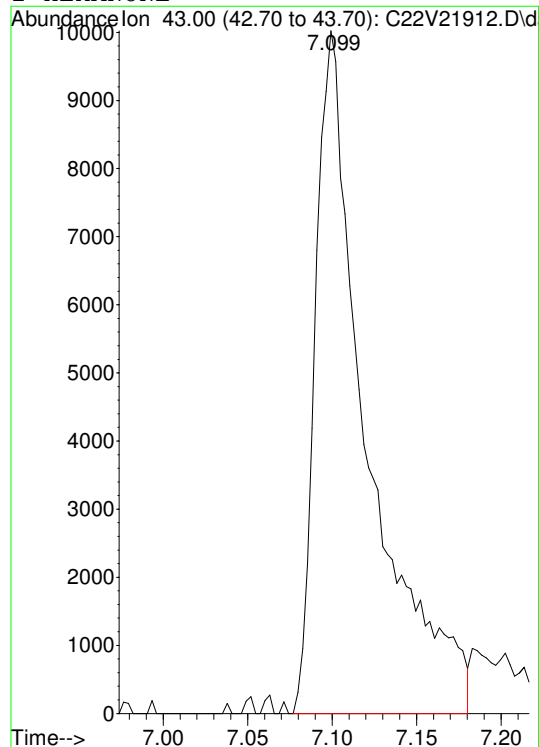


Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21912.D
Acq On : 8 Aug 2022 11:33 am
Operator :
Sample : 8260STD 1.0PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:19:52 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration

2-HEXANONE



Original Int. Results

RT : 7.10
Area : 21157
Amount: 6.66388

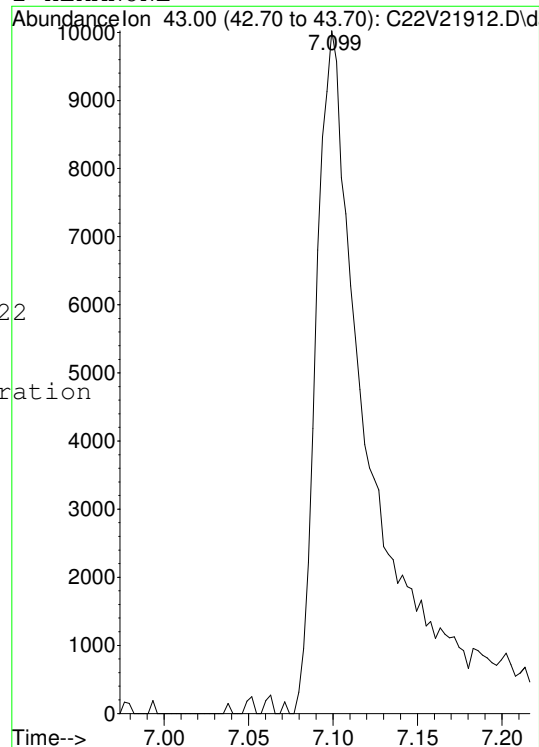
Manual Int. Results

Mon Aug 08 12:19:06 2022

MIuser: EEH
Reason: Incoret Integration
RT : 7.10
Area : 23827
Amount: 7.50486

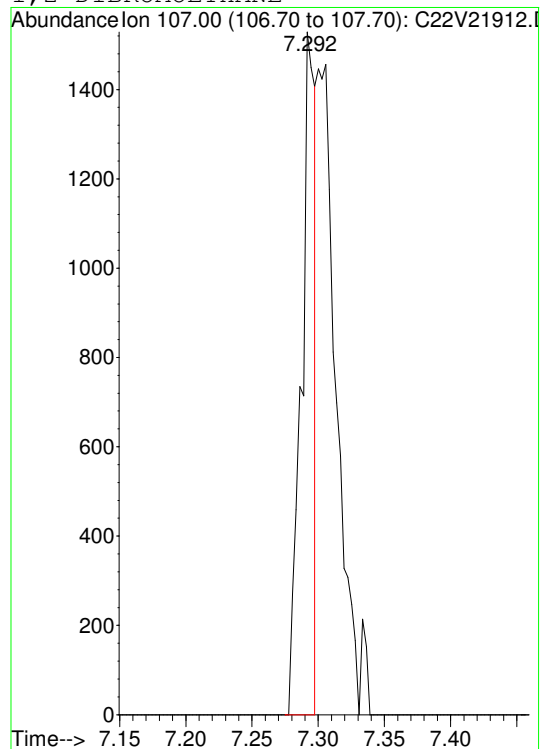
Manual Integration

2-HEXANONE



Original Integration

1,2-DIBROMOETHANE



Original Int. Results

RT : 7.29
Area : 1099
Amount: 0.379955

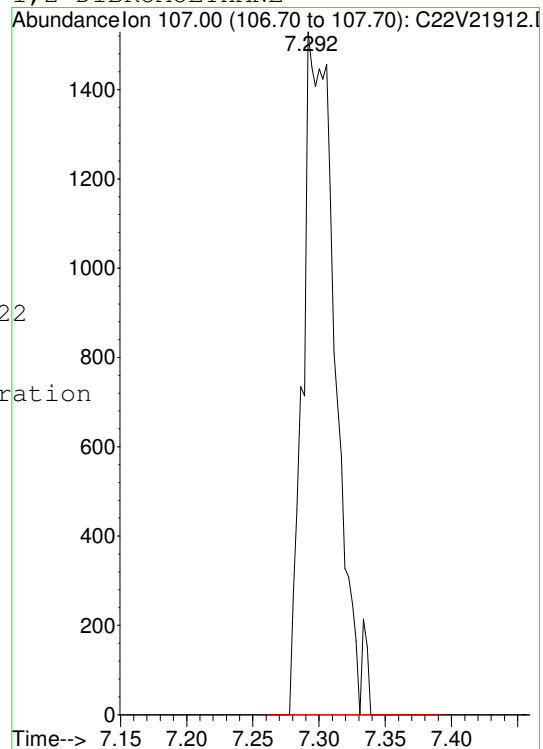
Manual Int. Results

Mon Aug 08 12:19:11 2022

MIuser: EEH
Reason: Incoret Integration
RT : 7.29
Area : 2605
Amount: 0.900622

Manual Integration

1,2-DIBROMOETHANE



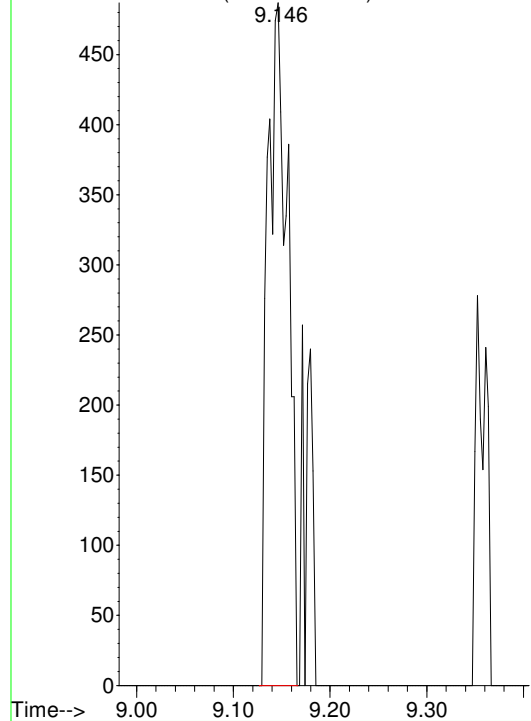
Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21912.D
Acq On : 8 Aug 2022 11:33 am
Operator :
Sample : 8260STD 1.0PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:19:52 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration

1,4-DICHLORO-2-BUTENE (TRANS)

Abundance on 53.00 (52.70 to 53.70): C22V21912.D



Original Int. Results

RT : 9.15
Area : 702
Amount: 0.684278

Manual Int. Results

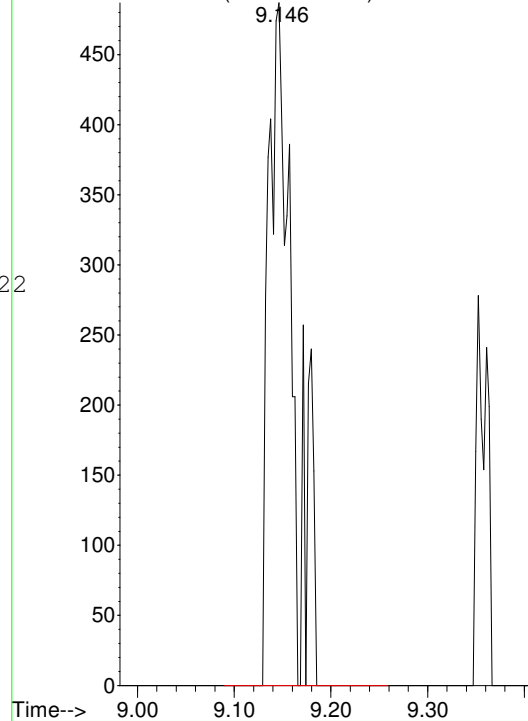
Mon Aug 08 12:19:21 2022

MIuser: EEH
Reason: Other
RT : 9.15
Area : 847
Amount: 0.825617

Manual Integration

1,4-DICHLORO-2-BUTENE (TRANS)

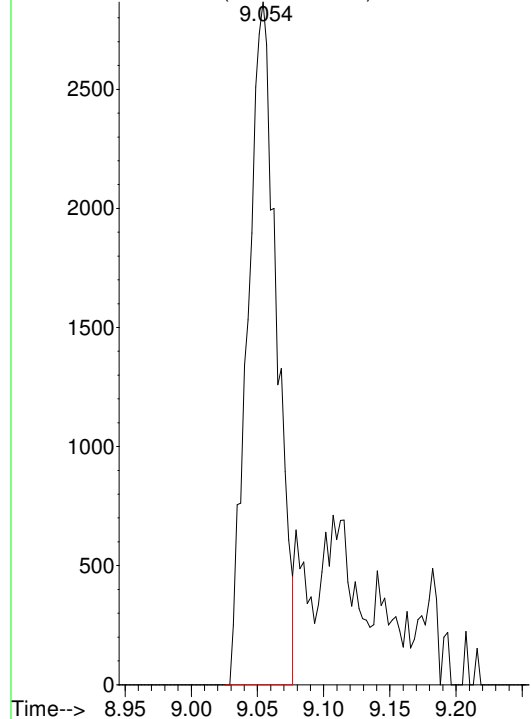
Abundance on 53.00 (52.70 to 53.70): C22V21912.D



Original Integration

BROMOBENZENE

Abundance on 77.00 (76.70 to 77.70): C22V21912.D



Original Int. Results

RT : 9.05
Area : 4329
Amount: 0.88539

Manual Int. Results

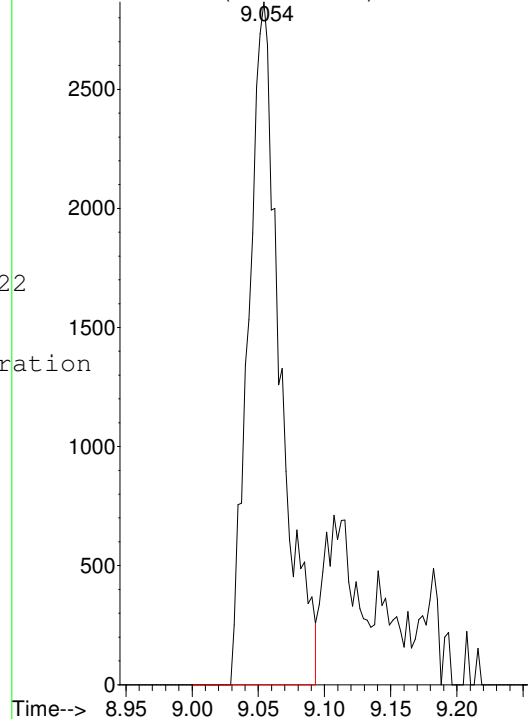
Mon Aug 08 12:19:25 2022

MIuser: EEH
Reason: Incoret Integration
RT : 9.05
Area : 4767
Amount: 0.974972

Manual Integration

BROMOBENZENE

Abundance on 77.00 (76.70 to 77.70): C22V21912.D

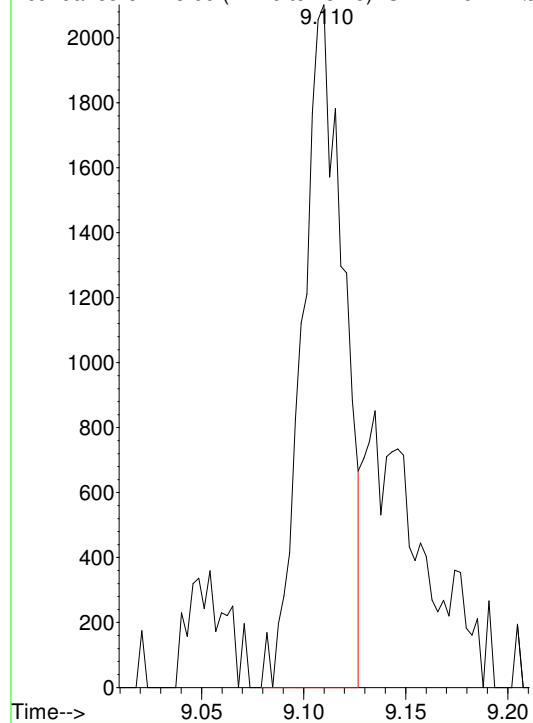


Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21912.D
Acq On : 8 Aug 2022 11:33 am
Operator :
Sample : 8260STD 1.0PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:19:52 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration
1,2,3-TRICHLOROPROPANE

Abundance on 75.00 (74.70 to 75.70): C22V21912.D



Original Int. Results

RT : 9.11
Area : 2949
Amount: 0.869142

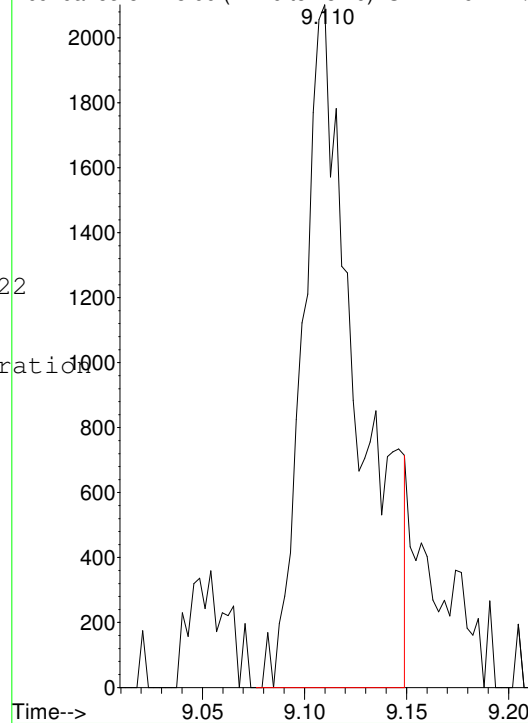
Manual Int. Results

Mon Aug 08 12:19:29 2022

MIuser: EEH
Reason: Incoret Integration
RT : 9.11
Area : 3907
Amount: 1.15149

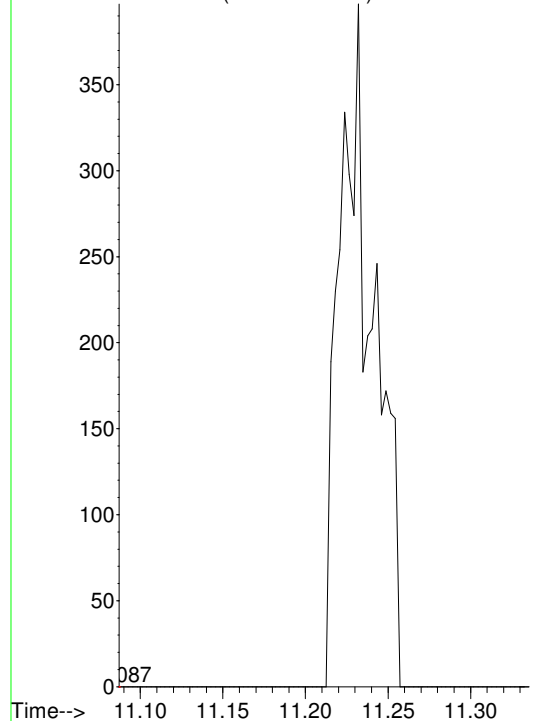
Manual Integration
1,2,3-TRICHLOROPROPANE

Abundance on 75.00 (74.70 to 75.70): C22V21912.D



Original Integration
1,2-DIBROMO-3-CHLOROPROPANE

Abundance on 75.00 (74.70 to 75.70): C22V21912.D



Original Int. Results

RT : 0.00
Area : 0
Amount: 0

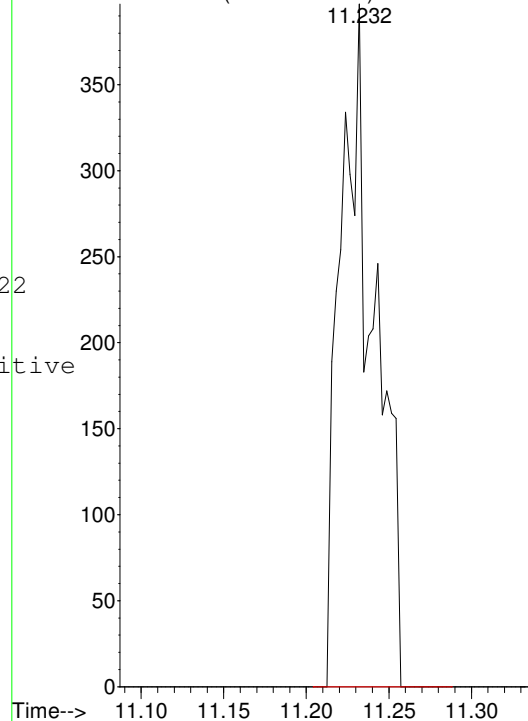
Manual Int. Results

Mon Aug 08 12:19:39 2022

MIuser: EEH
Reason: Qdel False Positive
RT : 11.23
Area : 579
Amount: 0.806502

Manual Integration
1,2-DIBROMO-3-CHLOROPROPANE

Abundance on 75.00 (74.70 to 75.70): C22V21912.D

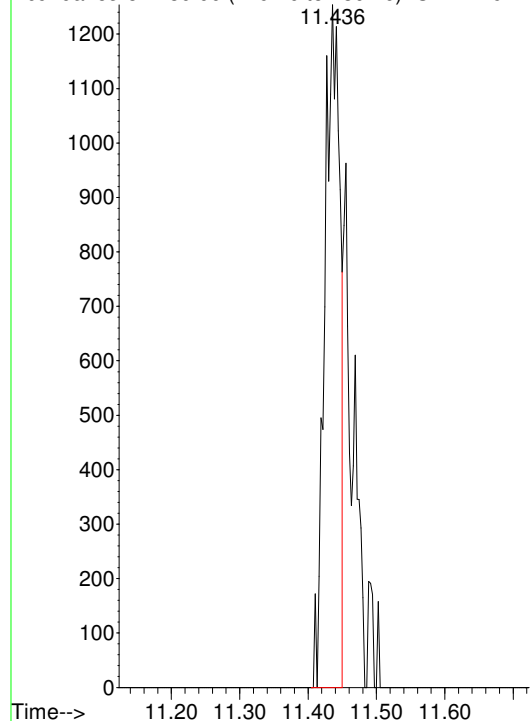


Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21912.D
Acq On : 8 Aug 2022 11:33 am
Operator :
Sample : 8260STD 1.0PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:19:52 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration
1,3,5-TRICHLOROBENZENE

Abundance on 180.00 (179.70 to 180.70): C22V21912.D



Original Int. Results

RT : 11.44
Area : 1920
Amount: 0.538942

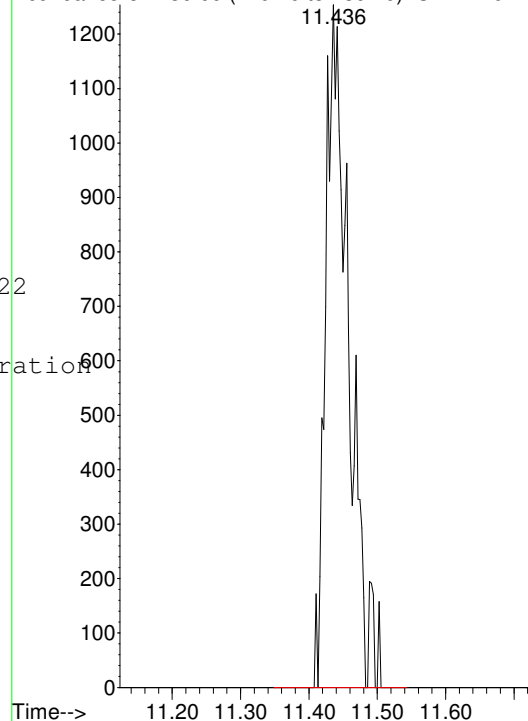
Manual Int. Results

Mon Aug 08 12:19:42 2022

MIuser: EEH
Reason: Incoret Integration
RT : 11.44
Area : 2944
Amount: 0.826378

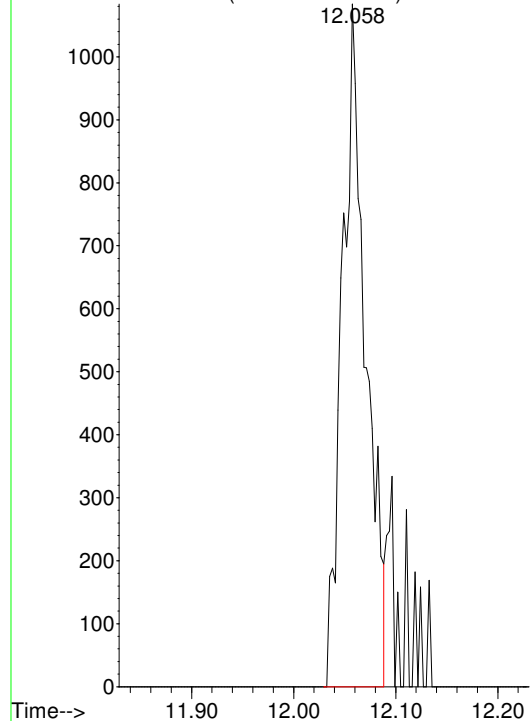
Manual Integration
1,3,5-TRICHLOROBENZENE

Abundance on 180.00 (179.70 to 180.70): C22V21912.D



Original Integration
1,2,4-TRICHLOROBENZENE

Abundance on 180.00 (179.70 to 180.70): C22V21912.D



Original Int. Results

RT : 12.06
Area : 1731
Amount: 0.515846

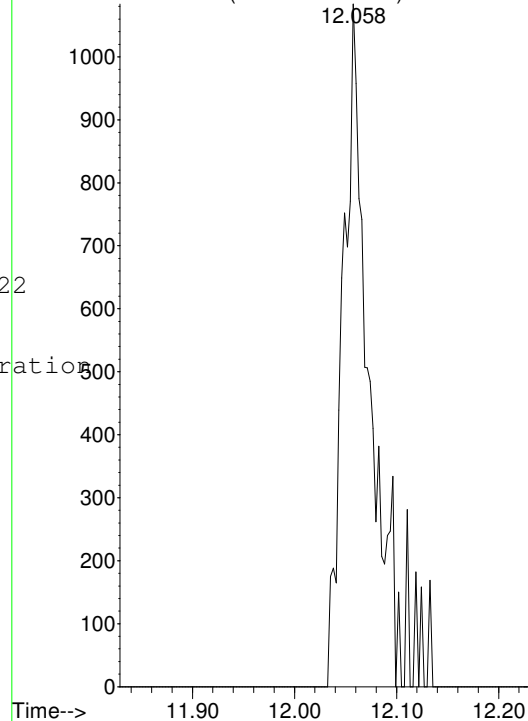
Manual Int. Results

Mon Aug 08 12:19:44 2022

MIuser: EEH
Reason: Incoret Integration
RT : 12.06
Area : 2026
Amount: 0.603758

Manual Integration
1,2,4-TRICHLOROBENZENE

Abundance on 180.00 (179.70 to 180.70): C22V21912.D



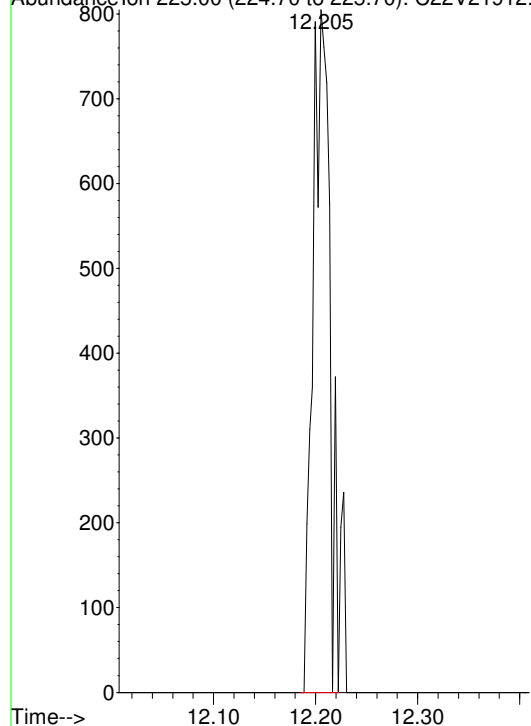
Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21912.D
Acq On : 8 Aug 2022 11:33 am
Operator :
Sample : 8260STD 1.0PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:19:52 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration

HEXACHLOROBUTADIENE

Abundance on 225.00 (224.70 to 225.70): C22V21912.D



Original Int. Results

RT : 12.21
Area : 914
Amount: 0.715228

Manual Int. Results

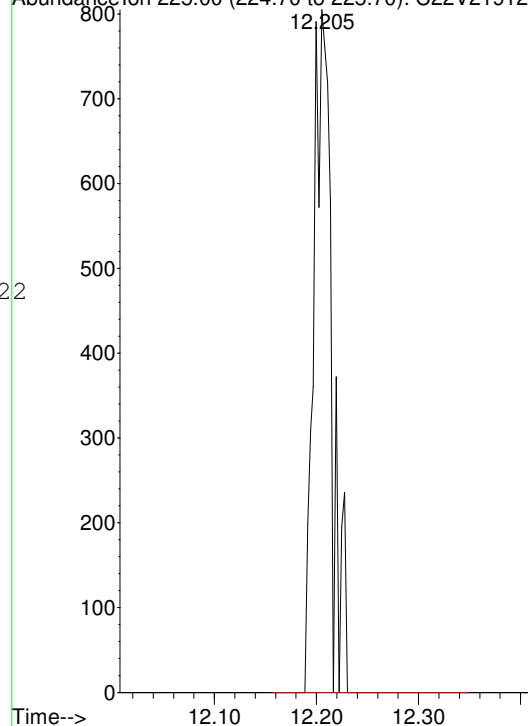
Mon Aug 08 12:19:47 2022

MIuser: EEH
Reason: Other
RT : 12.21
Area : 987
Amount: 0.772352

Manual Integration

HEXACHLOROBUTADIENE

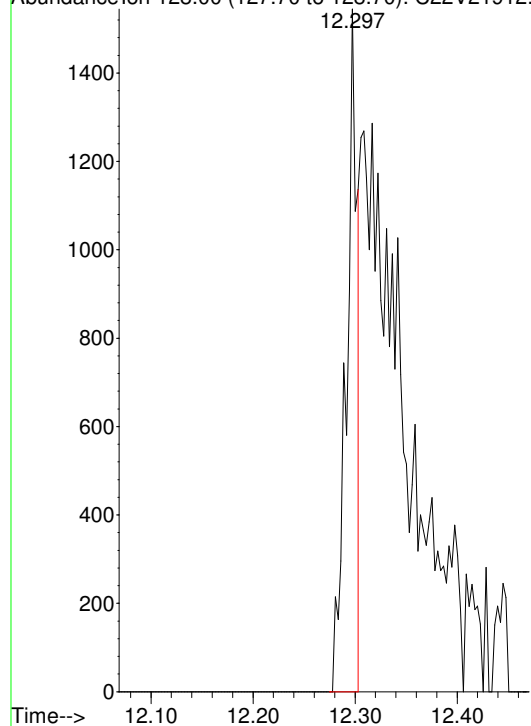
Abundance on 225.00 (224.70 to 225.70): C22V21912.D



Original Integration

NAPHTHALENE

Abundance on 128.00 (127.70 to 128.70): C22V21912.D



Original Int. Results

RT : 12.30
Area : 1117
Amount: 0.111355

Manual Int. Results

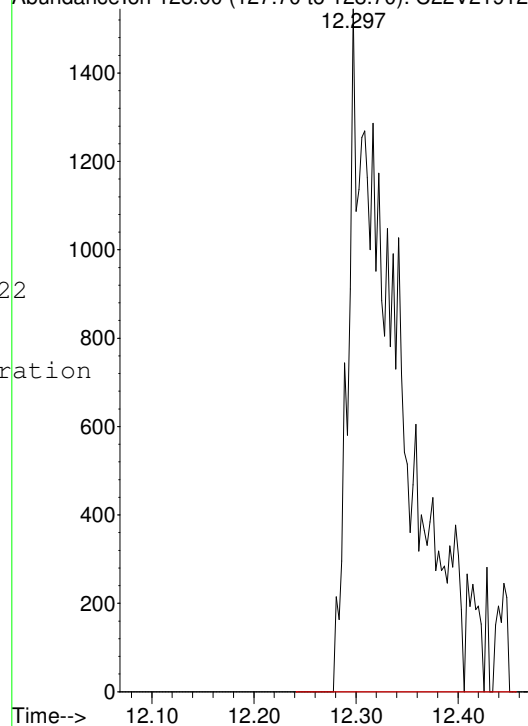
Mon Aug 08 12:19:50 2022

MIuser: EEH
Reason: Incoret Integration
RT : 12.30
Area : 5327
Amount: 0.531057

Manual Integration

NAPHTHALENE

Abundance on 128.00 (127.70 to 128.70): C22V21912.D

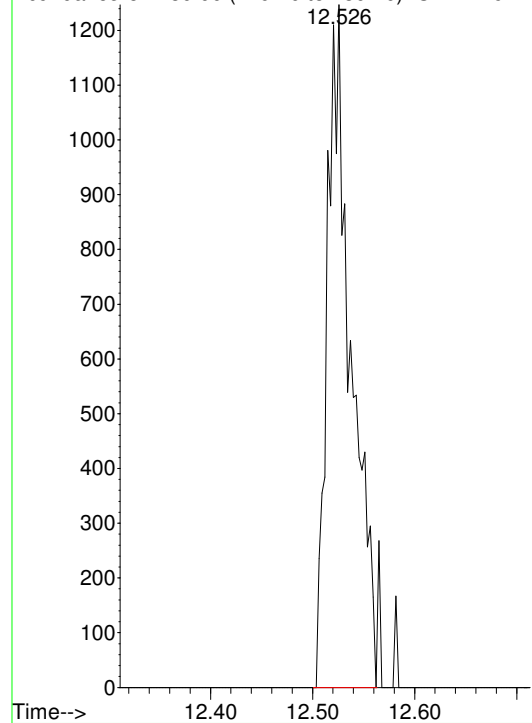


Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21912.D
Acq On : 8 Aug 2022 11:33 am
Operator :
Sample : 8260STD 1.0PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:19:52 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration
1,2,3-TRICHLOROBENZENE

Abundance on 180.00 (179.70 to 180.70): C22V21912.D



Original Int. Results

RT : 12.53
Area : 2038
Amount: 0.61146

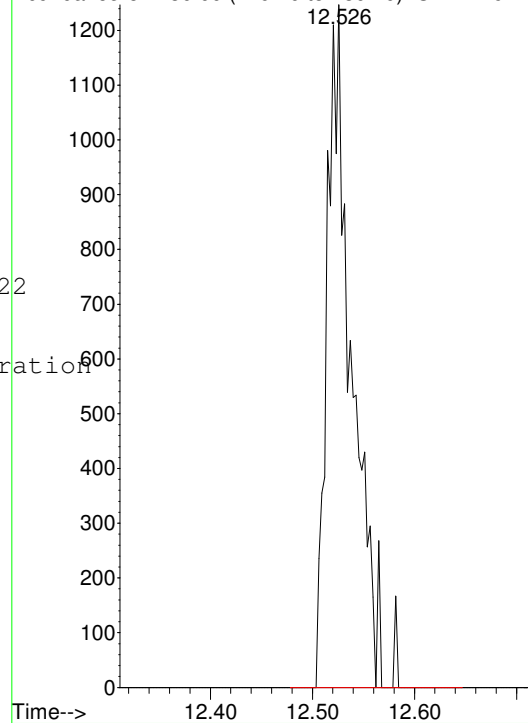
Manual Int. Results

Mon Aug 08 12:19:52 2022

MIuser: EEH
Reason: Incoret Integration
RT : 12.53
Area : 2110
Amount: 0.633062

Manual Integration
1,2,3-TRICHLOROBENZENE

Abundance on 180.00 (179.70 to 180.70): C22V21912.D



Data Path : C:\msdchem\1\data\C080822\
 Data File : C22V21913.D
 Acq On : 8 Aug 2022 11:58 am
 Operator :
 Sample : 8260STD 2.0PPB 2206105
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Inst : GCMSVOA3

Quant Time: Aug 08 12:21:53 2022
 Quant Method : C:\msdchem\1\methods\C051619.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Mon Aug 08 11:15:01 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	4.194	168	191246	30.00	UG/L	0.00
48) 1,4-DIFLUOROBENZENE - ...	4.916	114	281380	30.00	UG/L	0.00
70) CHLOROBENZENE-D5 ISTD	7.749	82	138580	30.00	UG/L	0.00
89) 1,4-DICHLOROETHANE-D4...	10.047	152	132836	30.00	UG/L	# 0.00
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.467	65	91527	25.44	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	101.76%	
49) TOLUENE SS	6.352	98	276973	24.68	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	98.72%	
71) 4-BROMOFLUOROBENZENE SS	8.909	95	101308	24.64	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	98.56%	
Target Compounds						
					Qvalue	
3) DICHLORODIFLUOROMETHANE	1.087	85	5656	1.81	UG/L	99
4) DIFLUOROCHLOROMETHANE	1.093	51	7218	1.94	UG/L	# 100
5) CHLOROMETHANE	1.196	50	10248	2.46	UG/L	# 27
6) VINYL CHLORIDE	1.260	62	6558	1.97	UG/L	# 82
7) BROMOMETHANE	1.455	94	4567	2.52	UG/L	99
8) CHLOROETHANE	1.517	64	4892	2.66	UG/L	92
9) FLUORODICHLOROMETHANE	1.639	67	10902	2.17	UG/L	96
10) TRICHLOROFLUOROMETHANE	1.678	101	8380	2.26	UG/L	98
11) ETHANOL	1.795	45	1842	28.26	UG/L	# 66
12) DI ETHYL ETHER	1.868	59	4758	2.02	UG/L	89
13) ACROLEIN	1.957	56	10790	13.71	UG/L	91
14) ACETONE	2.069	43	22417	18.69	UG/L	95
15) 1,1-DICHLOROETHENE	2.024	61	8599	2.32	UG/L	96
16) 1,1,2-TRICL-1,2,2-TRIF...	2.024	101	5096	2.51	UG/L	82
17) IODOMETHANE	2.138	142	55096	18.19	UG/L	99
20) METHYL ACETATE	2.320	43	9080	2.44	UG/L	# 82
21) T-BUTYL ALCOHOL	2.509	59	9297	20.15	UG/L	# 97
22) ACRYLONITRILE	2.618	53	2743m	1.73	UG/L	
23) METHYLENE CHLORIDE	2.395	49	8180	2.08	UG/L	96
24) CARBON DISULFIDE	2.191	76	162961	22.83	UG/L	100
25) METHYL TERT-BUTYL ETHE...	2.643	73	17731	2.12	UG/L	97
26) TRANS 1,2-DICHLOROETHENE	2.629	61	7656	2.00	UG/L	96
27) 1,1-DICHLOROETHANE	3.042	63	10053	1.96	UG/L	98
28) VINYL ACETATE	3.112	43	165358	16.78	UG/L	99
29) DI ISOPROYL ETHER	3.123	45	19849	1.79	UG/L	98
31) 2-BUTANONE	3.681	43	31842	14.78	UG/L	# 62
32) T-BUTYL ETHYL ETHER	3.508	59	17314	1.87	UG/L	99
33) CIS-1,2-DICHLOROETHENE	3.644	61	8634	1.93	UG/L	95
34) 2,2-DICHLOROPROPANE	3.636	77	7908	2.06	UG/L	# 73
35) ETHYL ACETATE	3.759	43	8738m	2.01	UG/L	
38) BROMOCHLOROMETHANE	3.881	49	5178	1.97	UG/L	97
39) TETRAHYDROFURAN	3.957	42	2148m	1.67	UG/L	
40) CHLOROFORM	3.968	83	9470	1.99	UG/L	98
41) 1,1,1-TRICHLOROETHANE	4.141	97	7988	2.10	UG/L	90
42) CYCLOHEXANE	4.191	56	11347	2.52	UG/L	# 74
43) CARBON TETRACHLORIDE	4.308	117	6566	2.06	UG/L	# 53
44) 1,1-DICHLOROPROPENE	4.314	75	6934	1.97	UG/L	93
45) BENZENE	4.517	78	20981	1.91	UG/L	# 93
47) T-AMYL METHYL ETHER	4.657	73	16581	2.02	UG/L	96
50) 1,2-DICHLOROETHANE	4.548	62	7931	2.07	UG/L	# 94
51) TRICHLOROETHENE	5.164	95	5306	2.14	UG/L	91
52) METHYLCYCLOHEXANE	5.334	83	6416	1.89	UG/L	94
53) 1,2-DICHLOROPROPANE	5.384	63	5865	1.98	UG/L	# 97

Data Path : C:\msdchem\1\data\C080822\
 Data File : C22V21913.D
 Acq On : 8 Aug 2022 11:58 am
 Operator :
 Sample : 8260STD 2.0PPB 2206105
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Inst : GCMSVOA3

Quant Time: Aug 08 12:21:53 2022
 Quant Method : C:\msdchem\1\methods\C051619.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Mon Aug 08 11:15:01 2022
 Response via : Initial Calibration

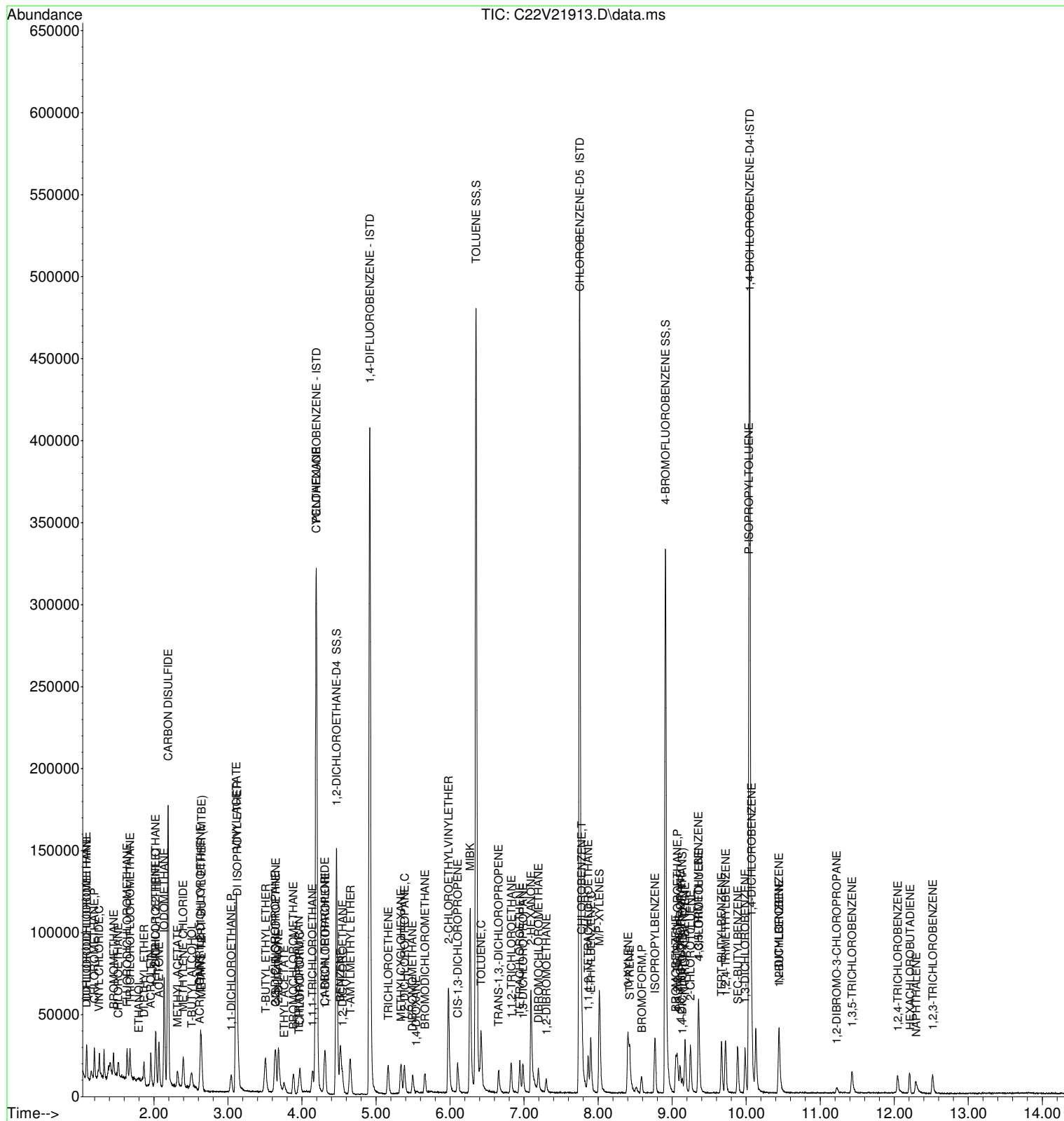
Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
54) DIBROMOMETHANE	5.493	93	3526	1.92	UG/L	96
56) 1,4-DIOXANE	5.541	88	722m	16.61	UG/L	
57) BROMODICHLOROMETHANE	5.660	83	7232	2.04	UG/L #	97
58) 2-CHLOROETHYLVINYLEETHER	5.978	63	24357	16.81	UG/L	96
59) MIBK	6.268	43	70892	16.23	UG/L	99
60) CIS-1,3-DICHLOROPROPENE	6.104	75	8457	1.87	UG/L	95
61) TOLUENE	6.419	91	22413	2.06	UG/L	92
62) TRANS-1,3,-DICHLOROPRO...	6.653	75	7265	1.78	UG/L	93
64) 1,1,2-TRICHLOROETHANE	6.826	97	5279	2.06	UG/L	97
65) 2-HEXANONE	7.094	43	47327m	15.09	UG/L	
66) TETRACHLOROETHENE	6.943	166	5393	2.14	UG/L	95
67) 1,3-DICHLOROPROPANE	6.985	76	9345	1.96	UG/L	100
68) DIBROMOCHLOROMETHANE	7.194	129	5917	2.01	UG/L	97
69) 1,2-DIBROMOETHANE	7.300	107	5516	1.93	UG/L	97
72) CHLOROBENZENE	7.777	112	14026	2.05	UG/L	94
73) 1,1,1,2-TETRACHLOROETHANE	7.866	131	5079	2.08	UG/L	94
74) ETHYLBENZENE	7.903	91	22700	1.93	UG/L	95
75) M/P-XYLENES	8.017	91	36382	4.08	UG/L	94
76) O-XYLENE	8.404	91	18859	2.05	UG/L	100
77) STYRENE	8.424	104	14310	1.93	UG/L	99
78) BROMOFORM	8.589	173	4367	2.03	UG/L #	90
79) ISOPROPYLBENZENE	8.767	105	21905	2.06	UG/L	98
81) 1,1,2,2-TETRACHLOROETHANE	9.071	83	8506	2.10	UG/L #	92
82) 1,4-DICHLORO-2-BUTENE (...)	9.135	53	2158m	2.11	UG/L	
83) BROMOBENZENE	9.049	77	9467	1.94	UG/L	92
84) 1,2,3-TRICHLOROPROPANE	9.110	75	6365	1.88	UG/L	97
85) N-PROPYLBENZENE	9.174	91	23511	1.88	UG/L	98
86) 2-CHLOROTOLUENE	9.247	91	14942	1.88	UG/L	99
87) 1,3,5-TRIMETHYLBENZENE	9.355	105	16854	1.90	UG/L	100
88) 4-CHLOROTOLUENE	9.361	91	18045	1.99	UG/L	94
90) TERT-BUTYLBENZENE	9.668	119	14149	1.97	UG/L	93
91) 1,2,4-TRIMETHYLBENZENE	9.721	105	16958	1.87	UG/L	99
92) SEC-BUTYLBENZENE	9.888	105	19097	1.89	UG/L	94
93) 1,3-DICHLOROBENZENE	9.986	146	10486	2.00	UG/L	98
94) P-ISOPROPYLTOLUENE	10.036	119	16092	1.85	UG/L	97
95) 1,4-DICHLOROBENZENE	10.072	146	10982	1.97	UG/L	92
97) N-BUTYLBENZENE	10.446	91	12776	1.63	UG/L	95
98) 1,2-DICHLOROBENZENE	10.440	146	10652	2.01	UG/L	97
99) 1,2-DIBROMO-3-CHLOROPR...	11.218	75	1241m	1.70	UG/L	
100) 1,3,5-TRICHLOROBENZENE	11.427	180	6003	1.66	UG/L	94
101) 1,2,4-TRICHLOROBENZENE	12.046	180	4834m	1.42	UG/L	
102) HEXACHLOROBUTADIENE	12.211	225	2619	2.02	UG/L #	84
103) NAPHTHALENE	12.295	128	12651m	1.24	UG/L	
104) 1,2,3-TRICHLOROBENZENE	12.518	180	4622m	1.37	UG/L	

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

100

Inst : GCMSVOA3

Quant Time: Aug 08 12:21:53 2022
Quant Method : C:\msdchem\1\methods\C051619.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Mon Aug 08 11:15:01 2022
Response via : Initial Calibration



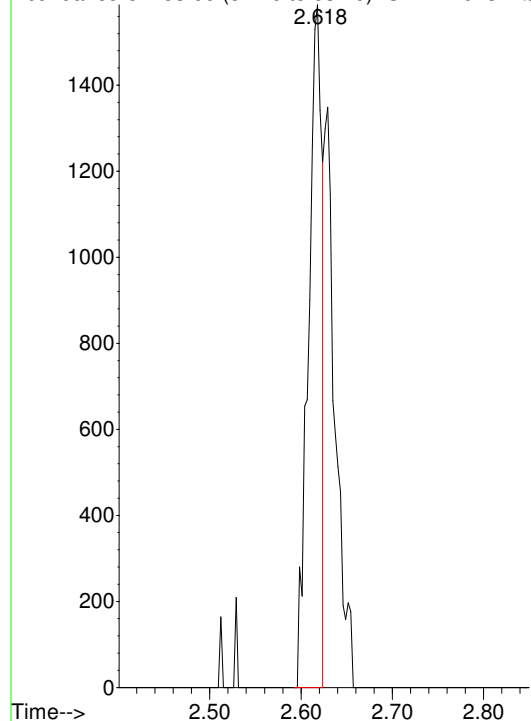
Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21913.D
Acq On : 8 Aug 2022 11:58 am
Operator :
Sample : 8260STD 2.0PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:21:53 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration

ACRYLONITRILE

Abundance on 53.00 (52.70 to 53.70): C22V21913.D



Original Int. Results

RT : 2.62
Area : 1616
Amount: 1.02042

Manual Int. Results

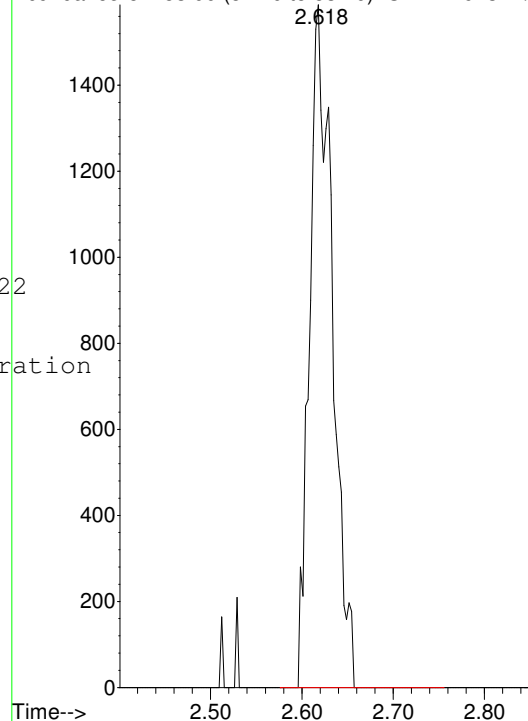
Mon Aug 08 12:20:30 2022

MIuser: EEH
Reason: Incoret Integration
RT : 2.62
Area : 2743
Amount: 1.73207

Manual Integration

ACRYLONITRILE

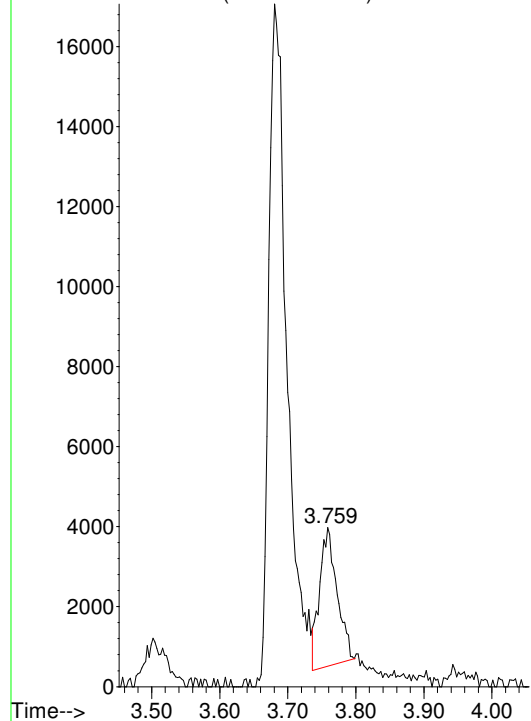
Abundance on 53.00 (52.70 to 53.70): C22V21913.D



Original Integration

ETHYL ACETATE

Abundance on 43.00 (42.70 to 43.70): C22V21913.D



Original Int. Results

RT : 3.76
Area : 6159
Amount: 1.41543

Manual Int. Results

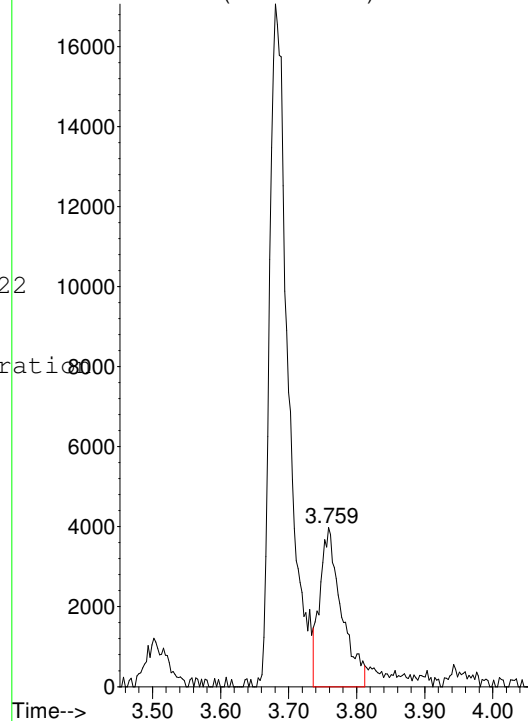
Mon Aug 08 12:20:43 2022

MIuser: EEH
Reason: Incoret Integration
RT : 3.76
Area : 8738
Amount: 2.00812

Manual Integration

ETHYL ACETATE

Abundance on 43.00 (42.70 to 43.70): C22V21913.D

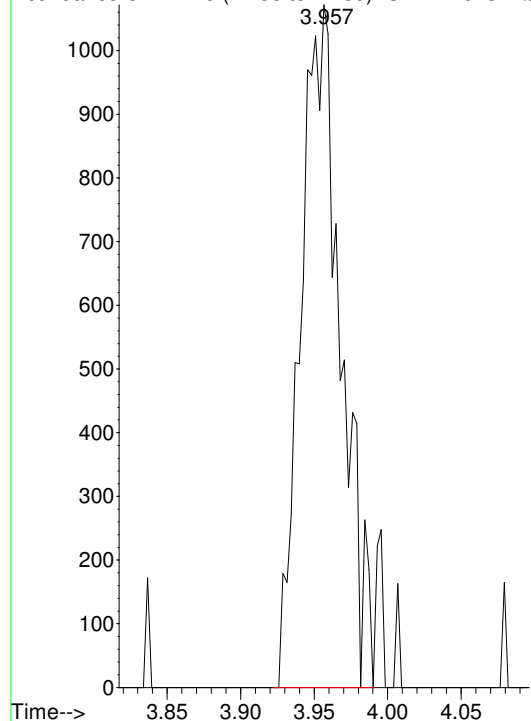


Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21913.D
Acq On : 8 Aug 2022 11:58 am
Operator :
Sample : 8260STD 2.0PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:21:53 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration
TETRAHYDROFURAN

Abundance on 42.10 (41.80 to 42.80): C22V21913.D



Original Int. Results

RT : 3.96
Area : 2043
Amount: 1.58851

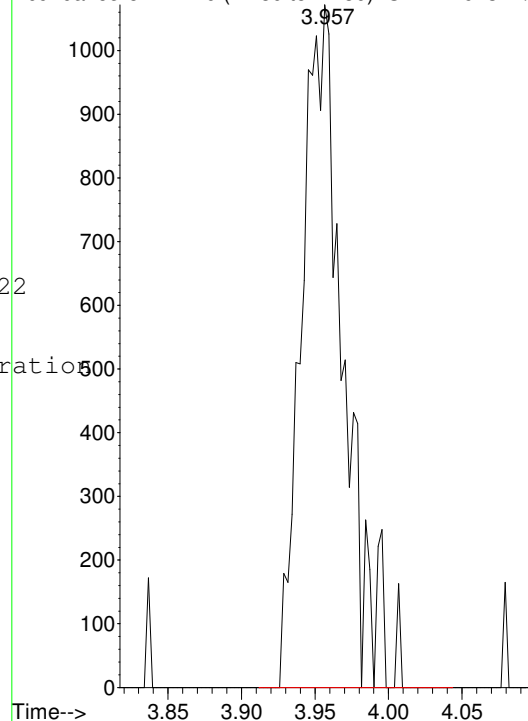
Manual Int. Results

Mon Aug 08 12:20:49 2022

MIuser: EEH
Reason: Incoret Integration
RT : 3.96
Area : 2148
Amount: 1.67015

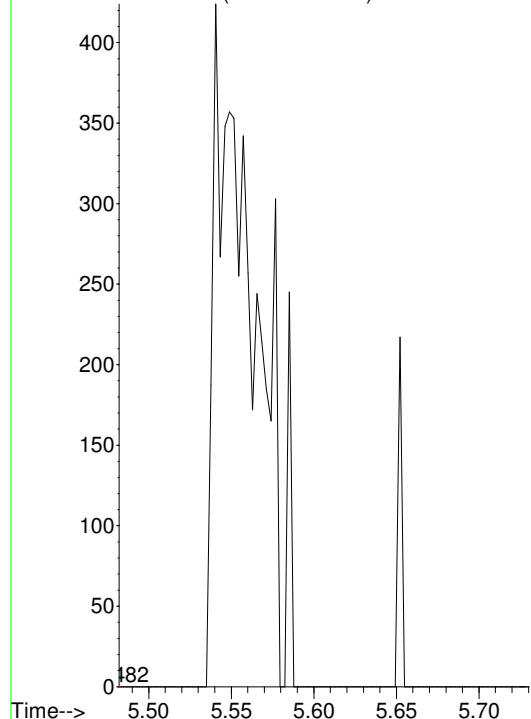
Manual Integration
TETRAHYDROFURAN

Abundance on 42.10 (41.80 to 42.80): C22V21913.D



Original Integration
1,4-DIOXANE

Abundance on 88.10 (87.80 to 88.80): C22V21913.D



Original Int. Results

RT : 0.00
Area : 0
Amount: 0

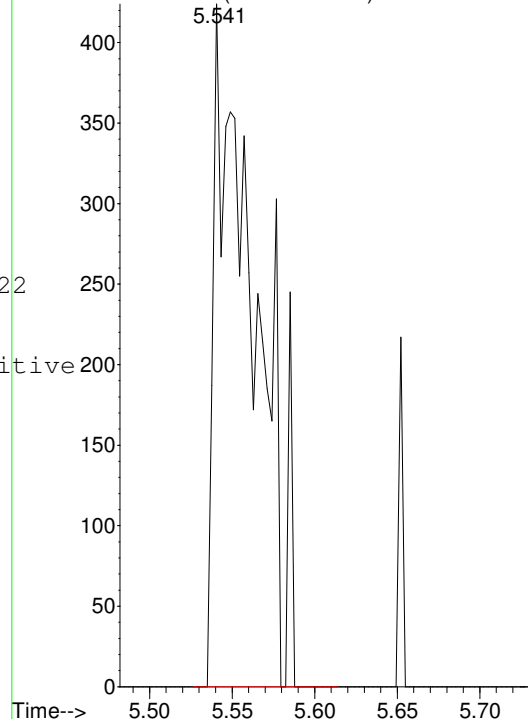
Manual Int. Results

Mon Aug 08 12:21:02 2022

MIuser: EEH
Reason: Qdel False Positive
RT : 5.54
Area : 722
Amount: 16.6073

Manual Integration
1,4-DIOXANE

Abundance on 88.10 (87.80 to 88.80): C22V21913.D

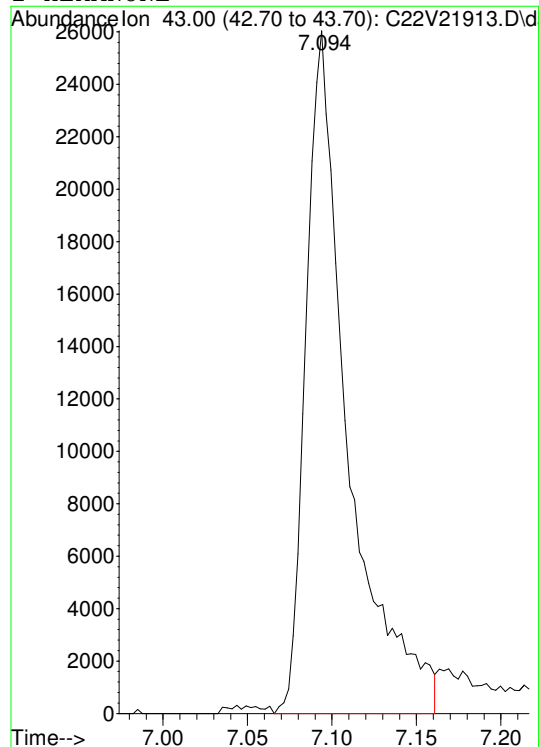


Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21913.D
Acq On : 8 Aug 2022 11:58 am
Operator :
Sample : 8260STD 2.0PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:21:53 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration

2-HEXANONE



Original Int. Results

RT : 7.09
Area : 44841
Amount: 14.2963

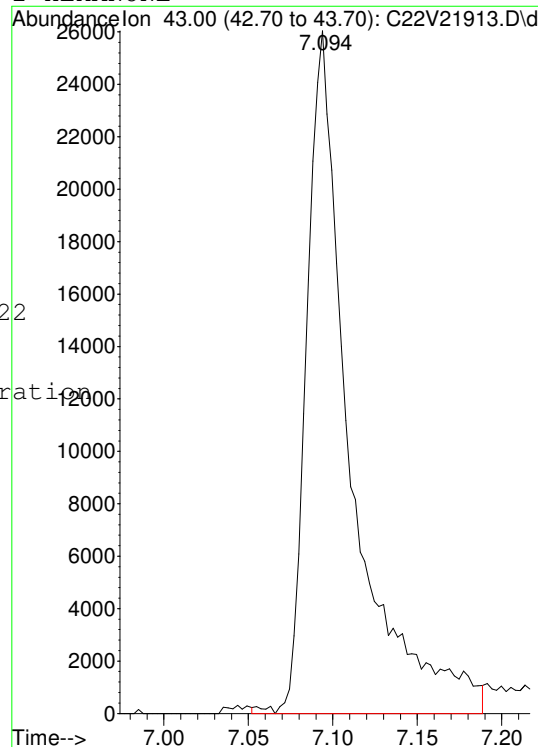
Manual Int. Results

Mon Aug 08 12:21:11 2022

MIuser: EEH
Reason: Incoret Integration
RT : 7.09
Area : 47327
Amount: 15.0889

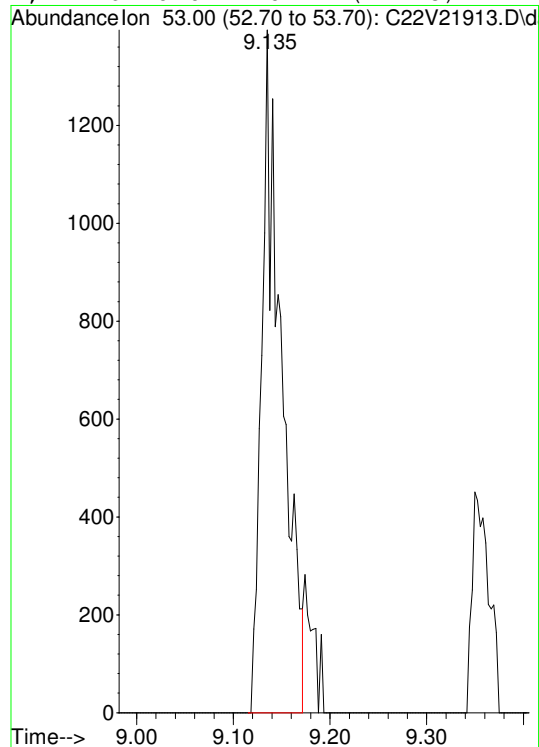
Manual Integration

2-HEXANONE



Original Integration

1,4-DICHLORO-2-BUTENE (TRANS)



Original Int. Results

RT : 9.14
Area : 1965
Amount: 1.91798

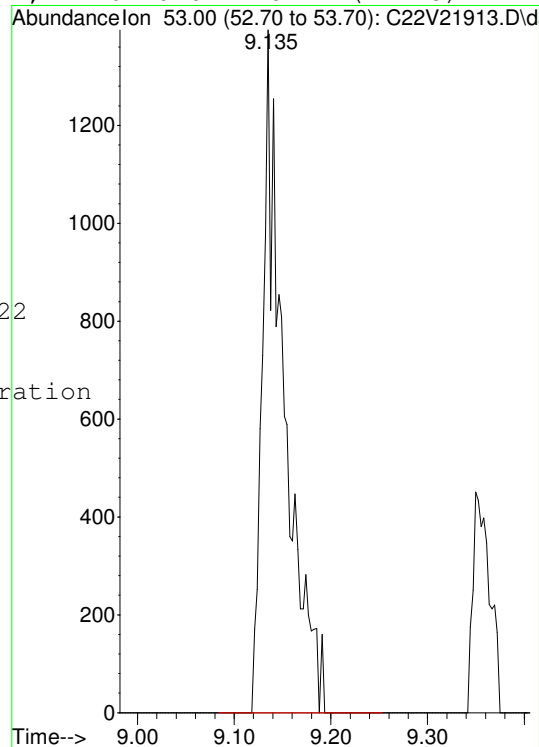
Manual Int. Results

Mon Aug 08 12:21:24 2022

MIuser: EEH
Reason: Incoret Integration
RT : 9.14
Area : 2158
Amount: 2.10636

Manual Integration

1,4-DICHLORO-2-BUTENE (TRANS)

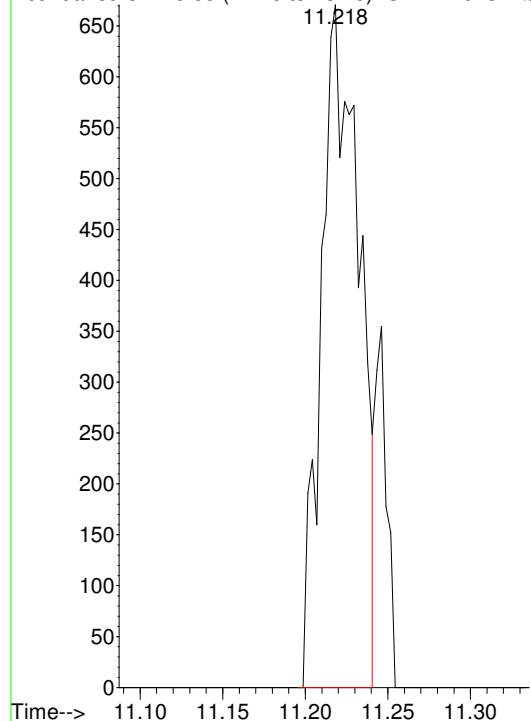


Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21913.D
Acq On : 8 Aug 2022 11:58 am
Operator :
Sample : 8260STD 2.0PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:21:53 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration
1,2-DIBROMO-3-CHLOROPROPANE

Abundance on 75.00 (74.70 to 75.70): C22V21913.D



Original Int. Results

RT : 11.22
Area : 1074
Amount: 1.47451

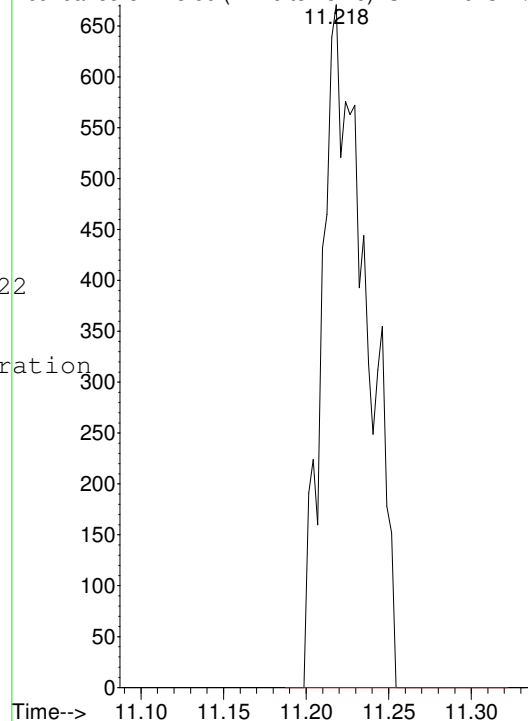
Manual Int. Results

Mon Aug 08 12:21:40 2022

MIuser: EEH
Reason: Incoret Integration
RT : 11.22
Area : 1241
Amount: 1.70379

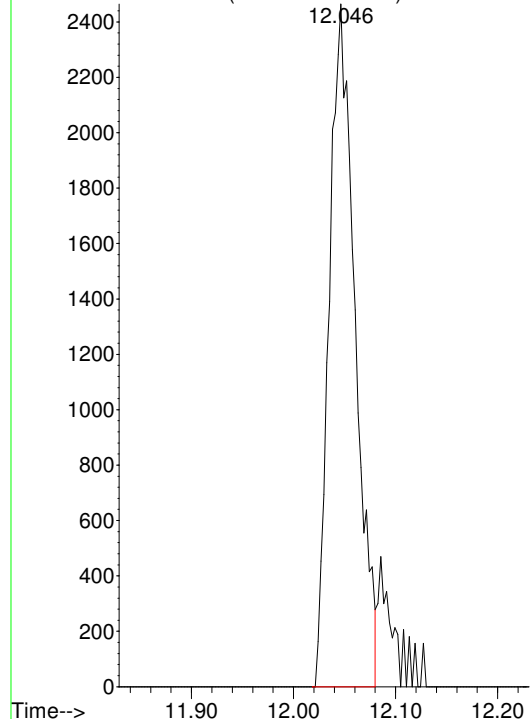
Manual Integration
1,2-DIBROMO-3-CHLOROPROPANE

Abundance on 75.00 (74.70 to 75.70): C22V21913.D



Original Integration
1,2,4-TRICHLOROBENZENE

Abundance on 180.00 (179.70 to 180.70): C22V21913.D



Original Int. Results

RT : 12.05
Area : 4344
Amount: 1.27594

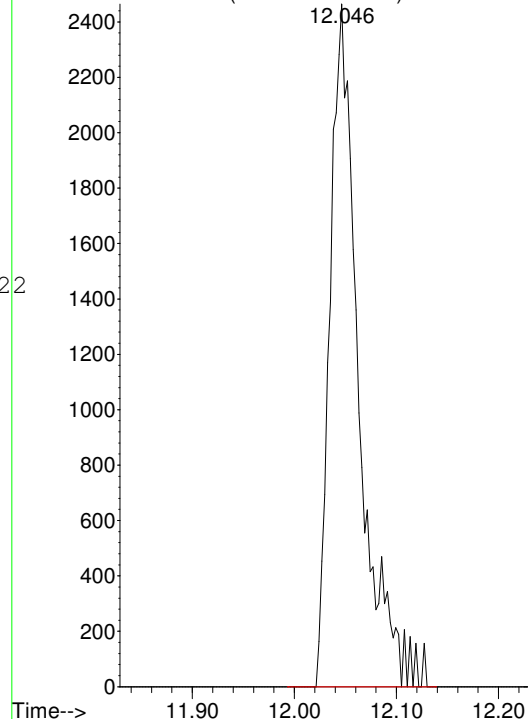
Manual Int. Results

Mon Aug 08 12:21:45 2022

MIuser: EEH
Reason: Other
RT : 12.05
Area : 4834
Amount: 1.41986

Manual Integration
1,2,4-TRICHLOROBENZENE

Abundance on 180.00 (179.70 to 180.70): C22V21913.D



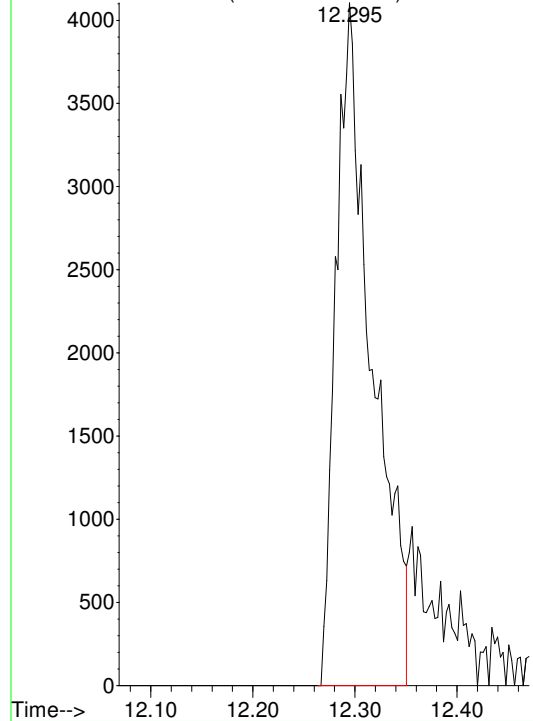
Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21913.D
Acq On : 8 Aug 2022 11:58 am
Operator :
Sample : 8260STD 2.0PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:21:53 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration

NAPHTHALENE

Abundance on 128.00 (127.70 to 128.70): C22V21913.I



Original Int. Results

RT : 12.29
Area : 10064
Amount: 0.988884

Manual Int. Results

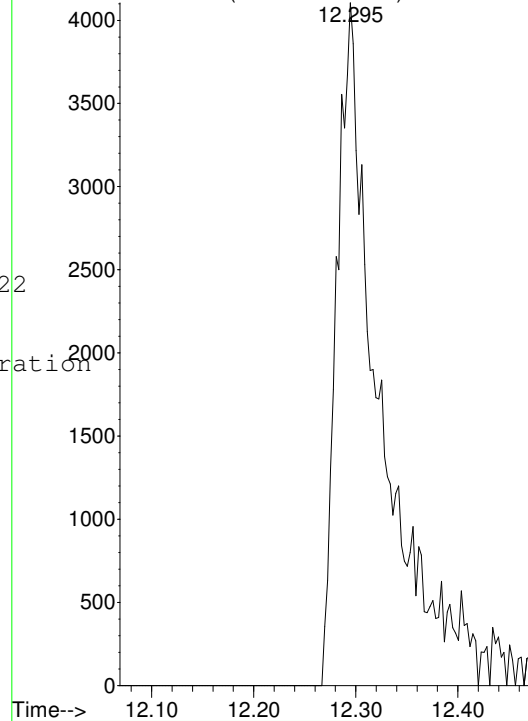
Mon Aug 08 12:21:50 2022

MIuser: EEH
Reason: Incoret Integration
RT : 12.29
Area : 12651
Amount: 1.24308

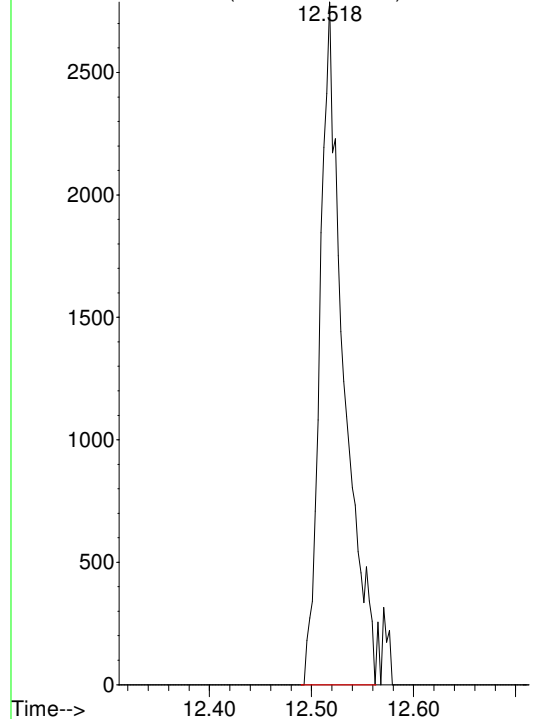
Manual Integration

NAPHTHALENE

Abundance on 128.00 (127.70 to 128.70): C22V21913.I

Original Integration
1,2,3-TRICHLOROBENZENE

Abundance on 180.00 (179.70 to 180.70): C22V21913.I



Original Int. Results

RT : 12.52
Area : 4460
Amount: 1.31891

Manual Int. Results

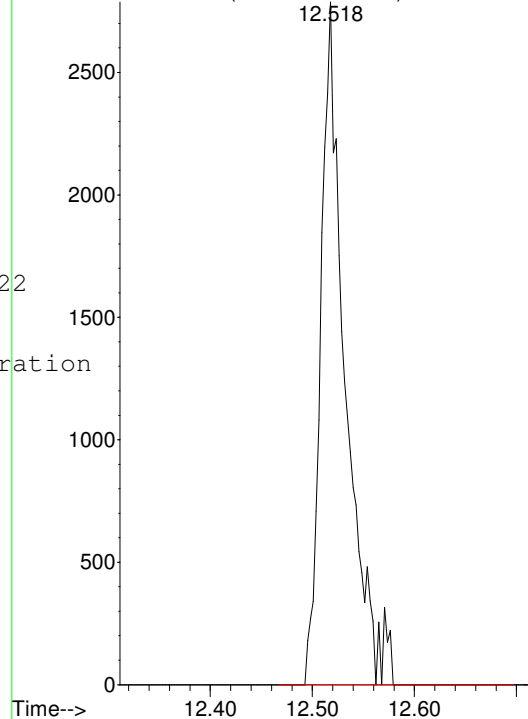
Mon Aug 08 12:21:53 2022

MIuser: EEH
Reason: Incoret Integration
RT : 12.52
Area : 4622
Amount: 1.36682

Manual Integration

1,2,3-TRICHLOROBENZENE

Abundance on 180.00 (179.70 to 180.70): C22V21913.I



Data Path : C:\msdchem\1\data\C080822\
 Data File : C22V21914.D
 Acq On : 8 Aug 2022 12:22 pm
 Operator :
 Sample : 8260STD 5.0PPB 2206105
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Inst : GCMSVOA3

Quant Time: Aug 08 13:48:54 2022
 Quant Method : C:\msdchem\1\methods\C051619.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Mon Aug 08 11:15:01 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	4.194	168	195685	30.00	UG/L	0.00
48) 1,4-DIFLUOROBENZENE - ...	4.916	114	289602	30.00	UG/L	0.00
70) CHLOROBENZENE-D5 ISTD	7.749	82	143879	30.00	UG/L	0.00
89) 1,4-DICHLOROETHANE-D4...	10.047	152	139575	30.00	UG/L	# 0.00
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.467	65	92881	25.23	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	100.92%		
49) TOLUENE SS	6.349	98	288589	24.99	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	99.96%		
71) 4-BROMOFLUOROBENZENE SS	8.909	95	107241	25.13	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	100.52%		
Target Compounds						
					Qvalue	
3) DICHLORODIFLUOROMETHANE	1.087	85	13984	4.38	UG/L	96
4) DIFLUOROCHLOROMETHANE	1.093	51	18551	4.86	UG/L	# 100
5) CHLOROMETHANE	1.196	50	23823	5.60	UG/L	# 26
6) VINYL CHLORIDE	1.263	62	17559	5.16	UG/L	94
7) BROMOMETHANE	1.452	94	9971	5.37	UG/L	99
8) CHLOROETHANE	1.516	64	12070	6.42	UG/L	99
9) FLUORODICHLOROMETHANE	1.636	67	27892	5.42	UG/L	98
10) TRICHLOROFLUOROMETHANE	1.675	101	21049	5.56	UG/L	100
11) ETHANOL	1.798	45	3034	45.49	UG/L	# 88
12) DI ETHYL ETHER	1.862	59	12783	5.29	UG/L	97
13) ACROLEIN	1.957	56	29810	37.02	UG/L	99
14) ACETONE	2.066	43	60047	48.92	UG/L	96
15) 1,1-DICHLOROETHENE	2.024	61	21244	5.61	UG/L	98
16) 1,1,2-TRICL-1,2,2-TRIF...	2.021	101	12671	6.11	UG/L	81
17) IODOMETHANE	2.138	142	160832	51.89	UG/L	98
20) METHYL ACETATE	2.317	43	23425	6.16	UG/L	98
21) T-BUTYL ALCOHOL	2.515	59	22757	48.20	UG/L	# 97
22) ACRYLONITRILE	2.621	53	7594	4.69	UG/L	99
23) METHYLENE CHLORIDE	2.395	49	21884	5.44	UG/L	97
24) CARBON DISULFIDE	2.188	76	424933	58.17	UG/L	99
25) METHYL TERT-BUTYL ETHE...	2.640	73	45825	5.36	UG/L	97
26) TRANS 1,2-DICHLOROETHENE	2.632	61	19381	4.94	UG/L	99
27) 1,1-DICHLOROETHANE	3.045	63	26035	4.96	UG/L	98
28) VINYL ACETATE	3.112	43	445683	44.19	UG/L	99
29) DI ISOPROYL ETHER	3.128	45	51303	4.52	UG/L	96
31) 2-BUTANONE	3.678	43	90607	41.11	UG/L	95
32) T-BUTYL ETHYL ETHER	3.505	59	45419	4.80	UG/L	99
33) CIS-1,2-DICHLOROETHENE	3.639	61	22445	4.91	UG/L	96
34) 2,2-DICHLOROPROPANE	3.633	77	19815	5.04	UG/L	92
35) ETHYL ACETATE	3.756	43	19495	4.38	UG/L	96
38) BROMOCHLOROMETHANE	3.884	49	13878	5.15	UG/L	98
39) TETRAHYDROFURAN	3.945	42	5898	4.48	UG/L	92
40) CHLOROFORM	3.973	83	25415	5.22	UG/L	98
41) 1,1,1-TRICHLOROETHANE	4.146	97	21216	5.45	UG/L	# 84
42) CYCLOHEXANE	4.191	56	23485	5.10	UG/L	89
43) CARBON TETRACHLORIDE	4.302	117	17276	5.30	UG/L	97
44) 1,1-DICHLOROPROPENE	4.311	75	18177	5.04	UG/L	94
45) BENZENE	4.517	78	53508	4.75	UG/L	98
47) T-AMYL METHYL ETHER	4.651	73	43685	5.19	UG/L	96
50) 1,2-DICHLOROETHANE	4.545	62	21482	5.45	UG/L	97
51) TRICHLOROETHENE	5.161	95	13016	5.11	UG/L	97
52) METHYLCYCLOHEXANE	5.340	83	15795	4.53	UG/L	96
53) 1,2-DICHLOROPROPANE	5.384	63	14876	4.87	UG/L	97

Data Path : C:\msdchem\1\data\C080822\
 Data File : C22V21914.D
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 Sample : 8260STD 5.0PPB 2206105
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Inst : GCMSVOA3

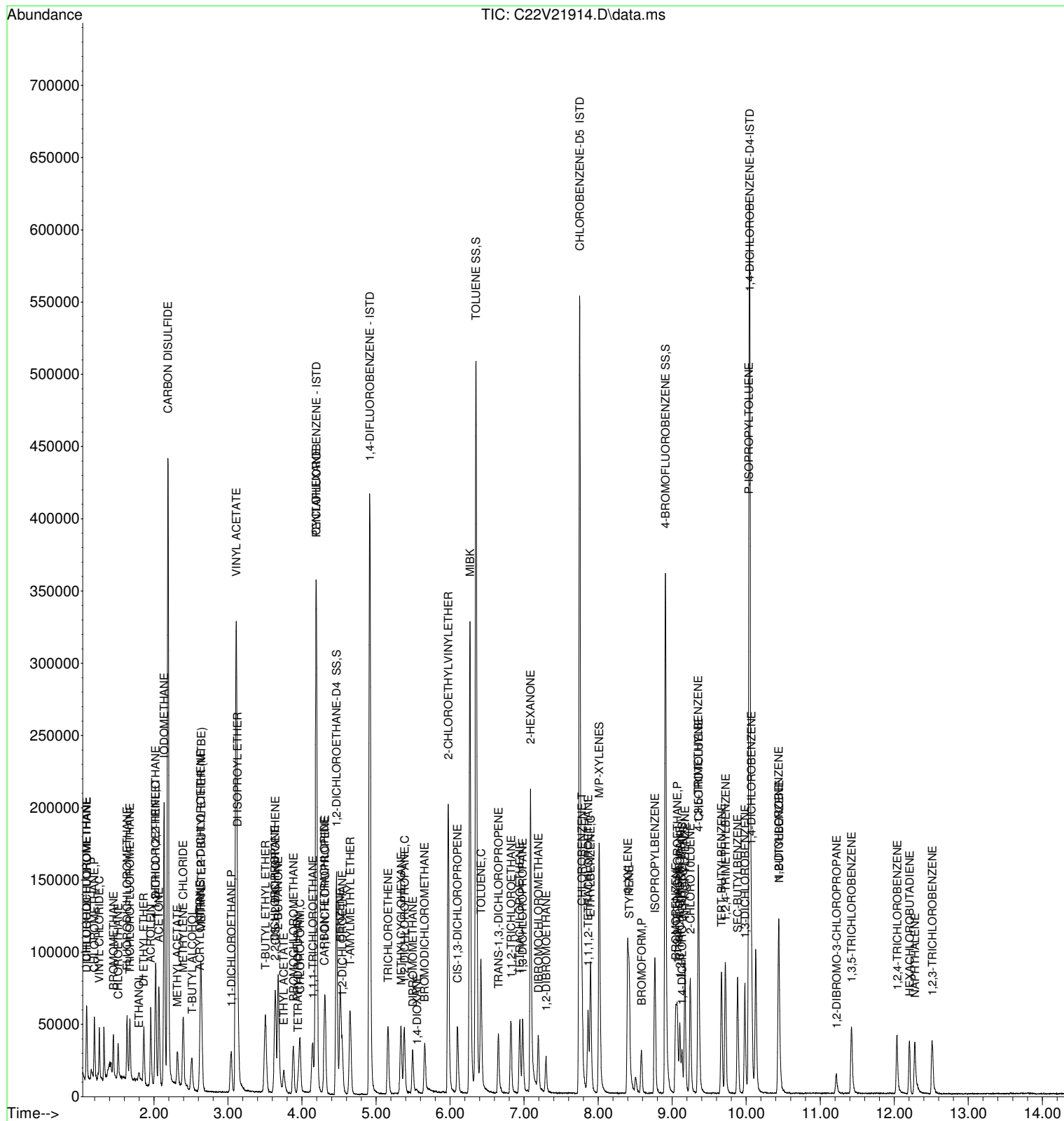
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 Quant Method : C:\msdchem\1\methods\C051619.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Mon Aug 08 11:15:01 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
54) DIBROMOMETHANE	5.499	93	9766	5.15	UG/L	93
56) 1,4-DIOXANE	5.552	88	2162m	48.32	UG/L	
57) BROMODICHLOROMETHANE	5.655	83	19440	5.33	UG/L	98
58) 2-CHLOROETHYL VINYLETHYL	5.975	63	73710	49.43	UG/L	91
59) MIBK	6.268	43	197206	43.88	UG/L	100
60) CIS-1,3-DICHLOROPROPENE	6.101	75	22415	4.81	UG/L	96
61) TOLUENE	6.419	91	56479	5.05	UG/L	99
62) TRANS-1,3,-DICHLOROPRO...	6.653	75	19923	4.73	UG/L	90
64) 1,1,2-TRICHLOROETHANE	6.823	97	14020	5.32	UG/L	97
65) 2-HEXANONE	7.085	43	136490	42.28	UG/L	98
66) TETRACHLOROETHENE	6.943	166	14258	5.50	UG/L	97
67) 1,3-DICHLOROPROPANE	6.979	76	24401	4.97	UG/L	98
68) DIBROMOCHLOROMETHANE	7.194	129	16098	5.31	UG/L	99
69) 1,2-DIBROMOETHANE	7.297	107	14995	5.10	UG/L	99
72) CHLOROBENZENE	7.780	112	37610	5.30	UG/L #	90
73) 1,1,1,2-TETRACHLOROETHANE	7.866	131	13977	5.52	UG/L	98
74) ETHYLBENZENE	7.897	91	60931	4.99	UG/L	97
75) M/P-XYLENES	8.014	91	92986	10.05	UG/L	99
76) O-XYLENE	8.402	91	50225	5.27	UG/L	96
77) STYRENE	8.418	104	39862	5.18	UG/L	93
78) BROMOFORM	8.586	173	12459	5.58	UG/L	99
79) ISOPROPYLBENZENE	8.767	105	56951	5.15	UG/L	99
81) 1,1,2,2-TETRACHLOROETHANE	9.071	83	22619	5.37	UG/L	96
82) 1,4-DICHLORO-2-BUTENE (...)	9.132	53	5086	4.78	UG/L #	79
83) BROMOBENZENE	9.049	77	23639	4.66	UG/L	98
84) 1,2,3-TRICHLOROPROPANE	9.104	75	17310	4.92	UG/L	98
85) N-PROPYLBENZENE	9.174	91	63336	4.87	UG/L	97
86) 2-CHLOROTOLUENE	9.244	91	41747	5.06	UG/L	97
87) 1,3,5-TRIMETHYLBENZENE	9.353	105	45912	4.98	UG/L	98
88) 4-CHLOROTOLUENE	9.358	91	45894	4.89	UG/L	100
90) TERT-BUTYLBENZENE	9.668	119	37225	4.94	UG/L	92
91) 1,2,4-TRIMETHYLBENZENE	9.721	105	45329	4.76	UG/L	100
92) SEC-BUTYLBENZENE	9.885	105	49121	4.62	UG/L	98
93) 1,3-DICHLOROBENZENE	9.983	146	27629	5.01	UG/L	98
94) P-ISOPROPYLTOLUENE	10.036	119	43348	4.74	UG/L	98
95) 1,4-DICHLOROBENZENE	10.069	146	30195	5.17	UG/L #	93
97) N-BUTYLBENZENE	10.443	91	35017	4.25	UG/L	94
98) 1,2-DICHLOROBENZENE	10.437	146	29589	5.32	UG/L	99
99) 1,2-DIBROMO-3-CHLOROPR...	11.218	75	3827m	5.00	UG/L	
100) 1,3,5-TRICHLOROBENZENE	11.422	180	17501	4.61	UG/L	97
101) 1,2,4-TRICHLOROBENZENE	12.038	180	14495m	4.05	UG/L	
102) HEXACHLOROBUTADIENE	12.205	225	6885	5.05	UG/L	100
103) NAPHTHALENE	12.278	128	38473m	3.60	UG/L	
104) 1,2,3-TRICHLOROBENZENE	12.512	180	14777m	4.16	UG/L	

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

108

Quant Time: Aug 08 13:48:54 2022
Quant Method : C:\msdchem\1\methods\C051619.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Mon Aug 08 11:15:01 2022
Response via : Initial Calibration



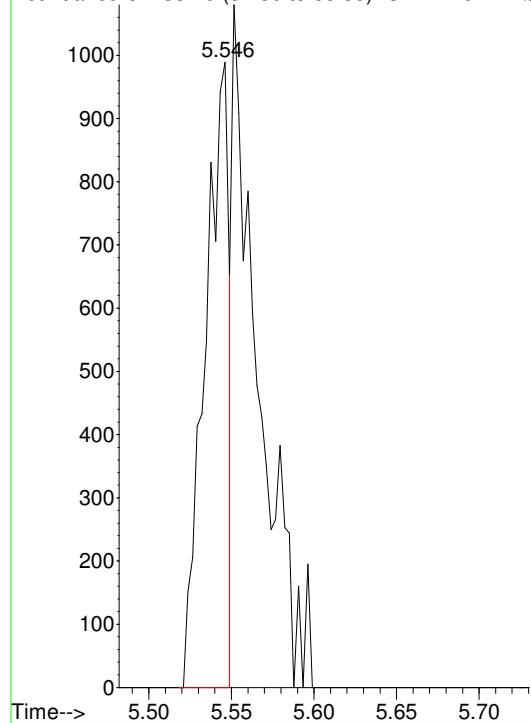
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Data File : C22V21914.D
Acq On : 8 Aug 2022 12:22 pm
Operator :
Sample : 8260STD 5.0PPB 2206105
Misc :

Quant Time : Mon Aug 08 13:48:54 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration

1,4-DIOXANE

Abundance on 88.10 (87.80 to 88.80): C22V21914.D



Original Int. Results

RT : 5.55
Area : 983
Amount: 21.9689

Manual Int. Results

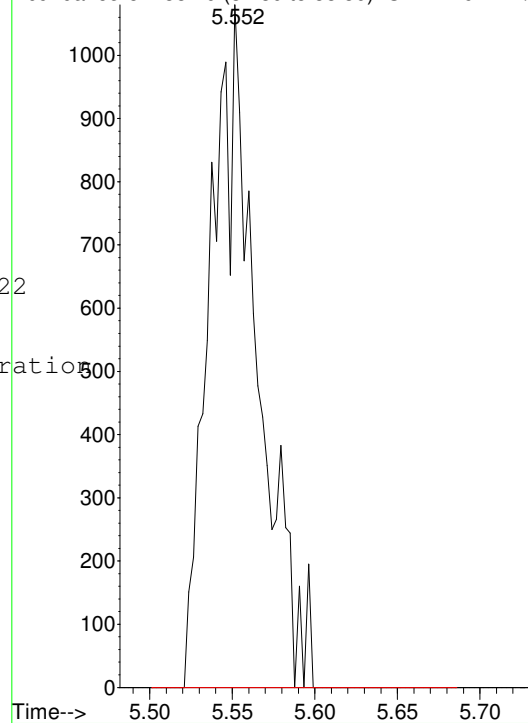
Mon Aug 08 13:48:09 2022

MIuser: EEH
Reason: Incoret Integration
RT : 5.55
Area : 2162
Amount: 48.3181

Manual Integration

1,4-DIOXANE

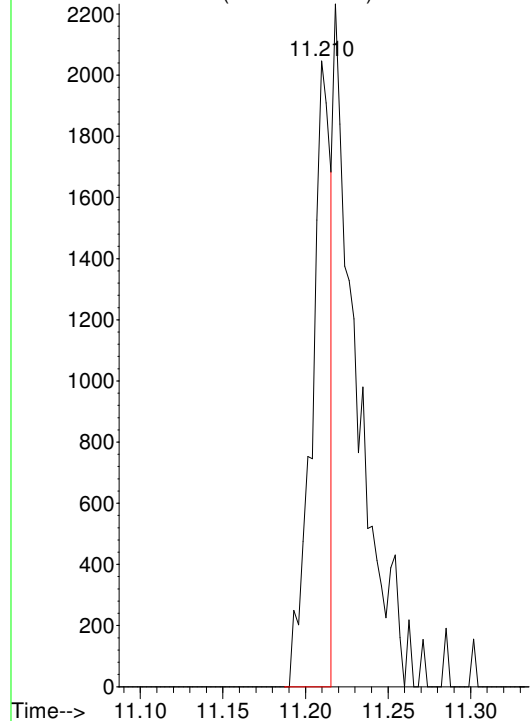
Abundance on 88.10 (87.80 to 88.80): C22V21914.D



Original Integration

1,2-DIBROMO-3-CHLOROPROPANE

Abundance on 75.00 (74.70 to 75.70): C22V21914.D



Original Int. Results

RT : 11.21
Area : 1606
Amount: 2.09844

Manual Int. Results

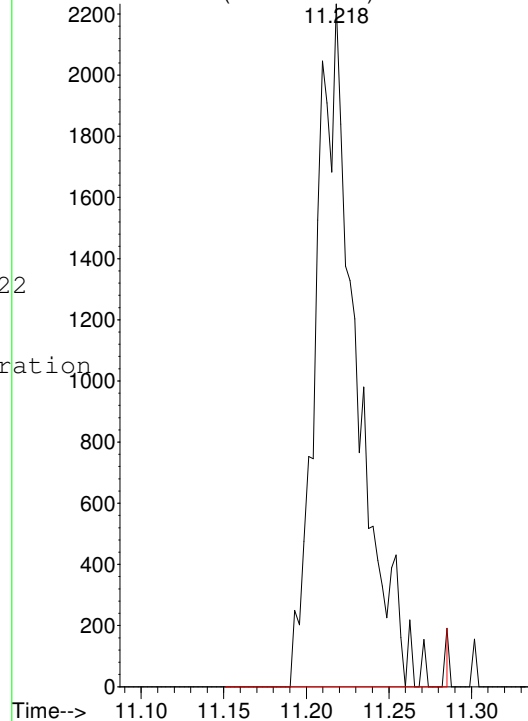
Mon Aug 08 13:48:42 2022

MIuser: EEH
Reason: Incoret Integration
RT : 11.22
Area : 3827
Amount: 5.00046

Manual Integration

1,2-DIBROMO-3-CHLOROPROPANE

Abundance on 75.00 (74.70 to 75.70): C22V21914.D

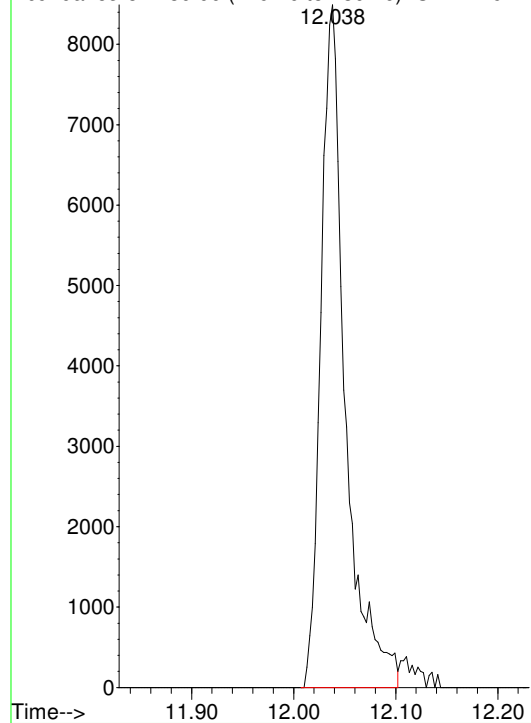


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Acq On : 8 Aug 2022 12:22 pm
Operator :
Sample : 8260STD 5.0PPB 2206105
Misc :

Quant Time : Mon Aug 08 13:48:54 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration
1,2,4-TRICHLOROBENZENE

Abundance on 180.00 (179.70 to 180.70): C22V21914.I



Original Int. Results

RT : 12.04
Area : 14024
Amount: 3.92031

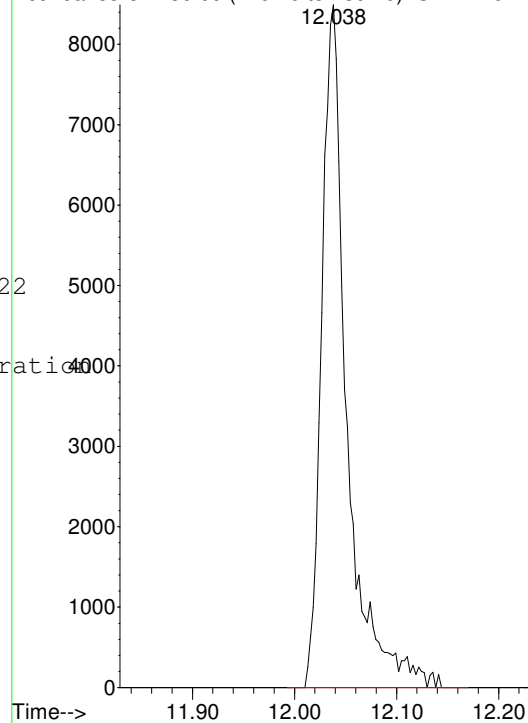
Manual Int. Results

Mon Aug 08 13:48:46 2022

MIuser: EEH
Reason: Incoret Integration
RT : 12.04
Area : 14495
Amount: 4.05197

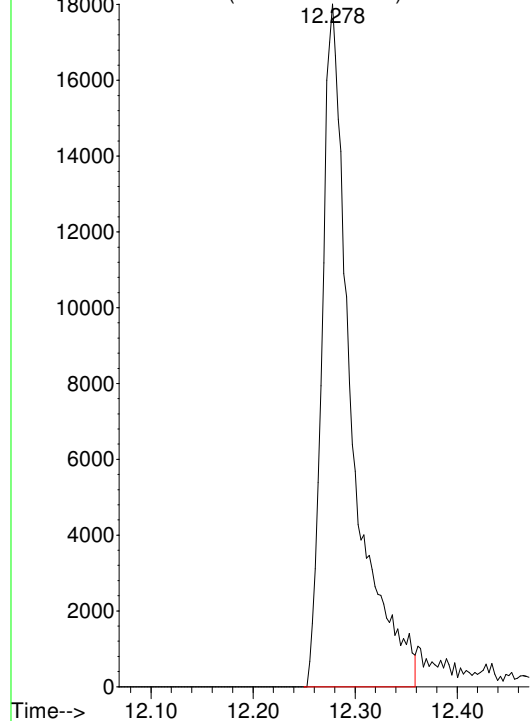
Manual Integration
1,2,4-TRICHLOROBENZENE

Abundance on 180.00 (179.70 to 180.70): C22V21914.I



Original Integration
NAPHTHALENE

Abundance on 128.00 (127.70 to 128.70): C22V21914.I



Original Int. Results

RT : 12.28
Area : 35921
Amount: 3.35917

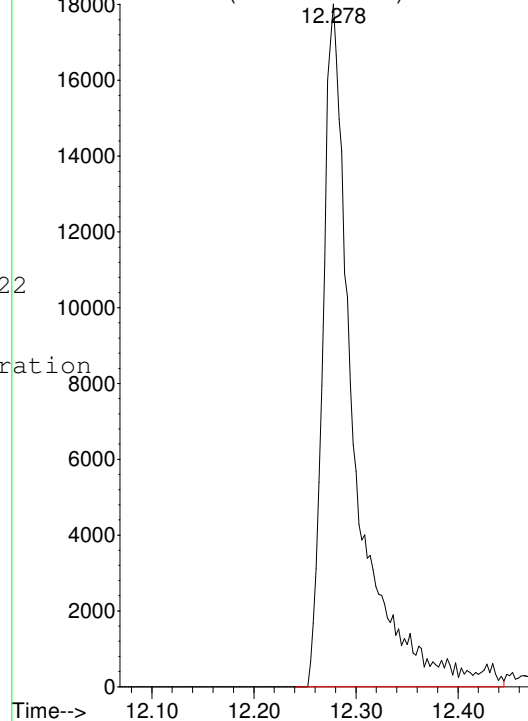
Manual Int. Results

Mon Aug 08 13:48:51 2022

MIuser: EEH
Reason: Incoret Integration
RT : 12.28
Area : 38473
Amount: 3.59782

Manual Integration
NAPHTHALENE

Abundance on 128.00 (127.70 to 128.70): C22V21914.I

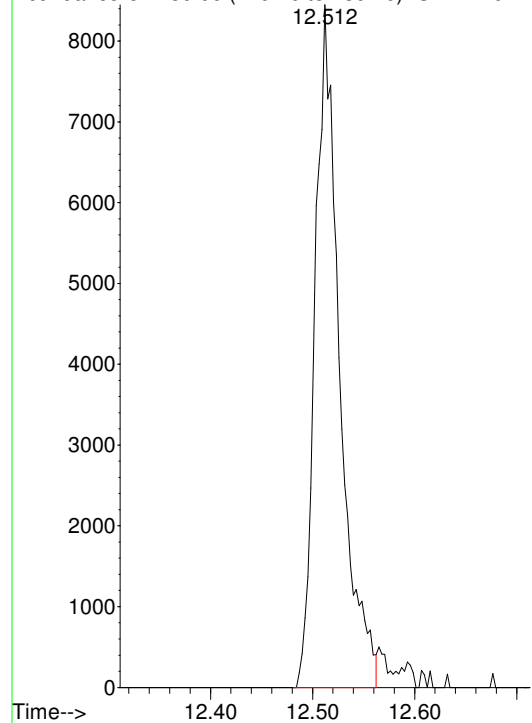


Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21914.D
Acq On : 8 Aug 2022 12:22 pm
Operator :
Sample : 8260STD 5.0PPB 2206105
Misc :

Quant Time : Mon Aug 08 13:48:54 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration
1,2,3-TRICHLOROBENZENE

Abundance on 180.00 (179.70 to 180.70): C22V21914.I



Original Int. Results

RT : 12.51
Area : 14072
Amount: 3.96045

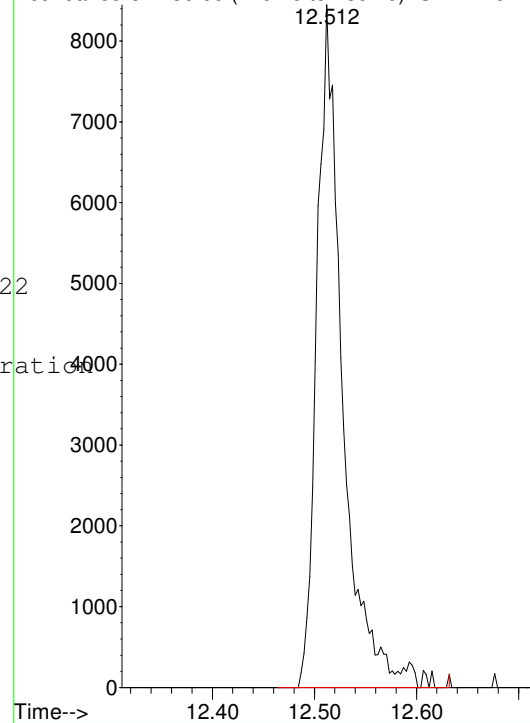
Manual Int. Results

Mon Aug 08 13:48:54 2022

MIuser: EEH
Reason: Incoret Integration
RT : 12.51
Area : 14777
Amount: 4.15886

Manual Integration
1,2,3-TRICHLOROBENZENE

Abundance on 180.00 (179.70 to 180.70): C22V21914.I



Data Path : C:\msdchem\1\data\C080822\
 Data File : C22V21915.D
 Acq On : 8 Aug 2022 12:46 pm
 Operator :
 Sample : 8260STD 10PPB 2206105
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Inst : GCMSVOA3

Quant Time: Aug 08 13:57:12 2022
 Quant Method : C:\msdchem\1\methods\C051619.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Mon Aug 08 11:15:01 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	4.193	168	194546	30.00	UG/L	0.00
48) 1,4-DIFLUOROBENZENE - ...	4.916	114	287477	30.00	UG/L	0.00
70) CHLOROBENZENE-D5 ISTD	7.749	82	141910	30.00	UG/L	0.00
89) 1,4-DICHLOROETHANE-D4...	10.047	152	139616	30.00	UG/L	# 0.00
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.464	65	92464	25.27	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	101.08%		
49) TOLUENE SS	6.349	98	286087	24.96	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	99.84%		
71) 4-BROMOFLUOROBENZENE SS	8.909	95	103705	24.63	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	98.52%		
Target Compounds						
					Qvalue	
3) DICHLORODIFLUOROMETHANE	1.087	85	28562	9.01	UG/L	98
4) DIFLUOROCHLOROMETHANE	1.092	51	37891	9.99	UG/L	# 100
5) CHLOROMETHANE	1.196	50	41594	9.83	UG/L	# 23
6) VINYL CHLORIDE	1.263	62	34859	10.31	UG/L	96
7) BROMOMETHANE	1.449	94	18466	10.00	UG/L	97
8) CHLOROETHANE	1.514	64	24973	13.36	UG/L	97
9) FLUORODICHLOROMETHANE	1.636	67	56638	11.08	UG/L	99
10) TRICHLOROFLUOROMETHANE	1.675	101	43670	11.60	UG/L	96
11) ETHANOL	1.801	45	6400	96.52	UG/L	# 89
12) DI ETHYL ETHER	1.865	59	25808	10.75	UG/L	96
13) ACROLEIN	1.957	56	61270	76.52	UG/L	99
14) ACETONE	2.066	43	116864	95.77	UG/L	96
15) 1,1-DICHLOROETHENE	2.024	61	43280	11.49	UG/L	98
16) 1,1,2-TRICL-1,2,2-TRIF...	2.024	101	25043	12.15	UG/L	88
17) IODOMETHANE	2.138	142	341243	110.75	UG/L	98
20) METHYL ACETATE	2.317	43	44181	11.69	UG/L	96
21) T-BUTYL ALCOHOL	2.506	59	47742	101.70	UG/L	97
22) ACRYLONITRILE	2.618	53	16274	10.10	UG/L	99
23) METHYLENE CHLORIDE	2.395	49	43860	10.97	UG/L	98
24) CARBON DISULFIDE	2.188	76	868493	119.59	UG/L	99
25) METHYL TERT-BUTYL ETHE...	2.640	73	96457	11.35	UG/L	97
26) TRANS 1,2-DICHLOROETHENE	2.632	61	42551	10.91	UG/L	96
27) 1,1-DICHLOROETHANE	3.039	63	51908	9.94	UG/L	98
28) VINYL ACETATE	3.109	43	919504	91.71	UG/L	99
29) DI ISOPROYL ETHER	3.131	45	104279	9.24	UG/L	95
31) 2-BUTANONE	3.675	43	182208	83.16	UG/L	96
32) T-BUTYL ETHYL ETHER	3.505	59	94331	10.02	UG/L	99
33) CIS-1,2-DICHLOROETHENE	3.639	61	46366	10.21	UG/L	93
34) 2,2-DICHLOROPROPANE	3.636	77	39576	10.12	UG/L	93
35) ETHYL ACETATE	3.750	43	40249	9.09	UG/L	# 92
38) BROMOCHLOROMETHANE	3.884	49	27682	10.33	UG/L	98
39) TETRAHYDROFURAN	3.945	42	12775	9.76	UG/L	92
40) CHLOROFORM	3.970	83	51600	10.66	UG/L	97
41) 1,1,1-TRICHLOROETHANE	4.143	97	43338	11.21	UG/L	94
42) CYCLOHEXANE	4.191	56	43820	9.57	UG/L	94
43) CARBON TETRACHLORIDE	4.305	117	35429	10.93	UG/L	97
44) 1,1-DICHLOROPROPENE	4.311	75	36885	10.29	UG/L	95
45) BENZENE	4.517	78	110524	9.87	UG/L	97
47) T-AMYL METHYL ETHER	4.648	73	87452	10.46	UG/L	97
50) 1,2-DICHLOROETHANE	4.539	62	43168	11.03	UG/L	98
51) TRICHLOROETHENE	5.164	95	27825	11.00	UG/L	93
52) METHYLCYCLOHEXANE	5.337	83	32123	9.28	UG/L	95
53) 1,2-DICHLOROPROPANE	5.381	63	30483	10.06	UG/L	# 98

Data Path : C:\msdchem\1\data\C080822\
 Data File : C22V21915.D
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 Operator :
 Sample : 8260STD 10PPB 2206105
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Inst : GCMSVOA3

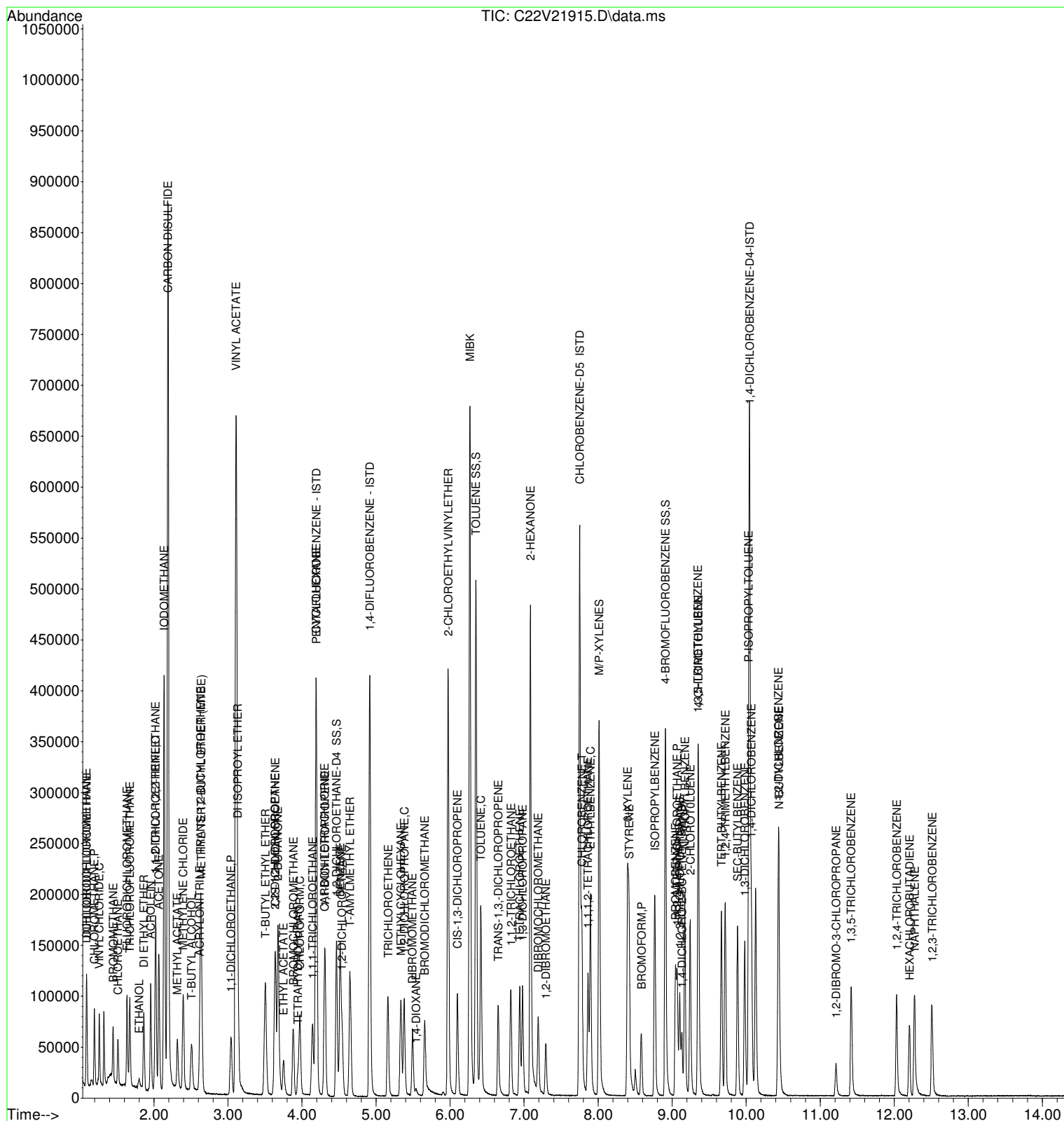
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 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Mon Aug 08 11:15:01 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
54) DIBROMOMETHANE	5.493	93	20571	10.94	UG/L	93
56) 1,4-DIOXANE	5.540	88	4230	95.23	UG/L #	75
57) BROMODICHLOROMETHANE	5.657	83	39854	11.00	UG/L	97
58) 2-CHLOROETHYL VINYLETHYL	5.975	63	151076	102.07	UG/L	89
59) MIBK	6.268	43	406948	91.21	UG/L	100
60) CIS-1,3-DICHLOROPROPENE	6.101	75	46895	10.15	UG/L	97
61) TOLUENE	6.416	91	116091	10.45	UG/L	98
62) TRANS-1,3-DICHLOROPRO...	6.650	75	41106	9.84	UG/L	94
64) 1,1,2-TRICHLOROETHANE	6.823	97	27847	10.65	UG/L	94
65) 2-HEXANONE	7.085	43	285391	89.06	UG/L	98
66) TETRACHLOROETHENE	6.940	166	28554	11.10	UG/L	98
67) 1,3-DICHLOROPROPANE	6.979	76	50659	10.39	UG/L	98
68) DIBROMOCHLOROMETHANE	7.188	129	33122	11.01	UG/L	99
69) 1,2-DIBROMOETHANE	7.292	107	30712	10.52	UG/L	98
72) CHLOROBENZENE	7.780	112	77992	11.15	UG/L	93
73) 1,1,1,2-TETRACHLOROETHANE	7.863	131	28567	11.44	UG/L	97
74) ETHYLBENZENE	7.897	91	127905	10.62	UG/L	95
75) M/P-XYLENES	8.014	91	195507	21.42	UG/L	97
76) O-XYLENE	8.399	91	105354	11.21	UG/L	95
77) STYRENE	8.418	104	85527	11.28	UG/L	98
78) BROMOFORM	8.586	173	25083	11.39	UG/L	100
79) ISOPROPYLBENZENE	8.767	105	119078	10.92	UG/L	97
81) 1,1,2,2-TETRACHLOROETHANE	9.068	83	45663	10.99	UG/L	96
82) 1,4-DICHLORO-2-BUTENE (...)	9.132	53	10659	10.16	UG/L #	84
83) BROMOBENZENE	9.046	77	49353	9.87	UG/L	97
84) 1,2,3-TRICHLOROPROPANE	9.104	75	33249	9.58	UG/L	99
85) N-PROPYLBENZENE	9.171	91	132248	10.31	UG/L	97
86) 2-CHLOROTOLUENE	9.244	91	87309	10.73	UG/L	96
87) 1,3,5-TRIMETHYLBENZENE	9.350	105	96819	10.64	UG/L	95
88) 4-CHLOROTOLUENE	9.355	91	96583	10.43	UG/L	97
90) TERT-BUTYLBENZENE	9.665	119	76927	10.21	UG/L	95
91) 1,2,4-TRIMETHYLBENZENE	9.718	105	97091	10.20	UG/L	96
92) SEC-BUTYLBENZENE	9.885	105	105295	9.91	UG/L	97
93) 1,3-DICHLOROBENZENE	9.980	146	59048	10.71	UG/L	99
94) P-ISOPROPYLTOLUENE	10.033	119	87677	9.58	UG/L	97
95) 1,4-DICHLOROBENZENE	10.069	146	58875	10.07	UG/L #	92
97) N-BUTYLBENZENE	10.443	91	74590	9.06	UG/L	97
98) 1,2-DICHLOROBENZENE	10.434	146	59874	10.76	UG/L	98
99) 1,2-DIBROMO-3-CHLOROPR...	11.212	75	7618	9.95	UG/L	90
100) 1,3,5-TRICHLOROBENZENE	11.416	180	35449	9.33	UG/L	96
101) 1,2,4-TRICHLOROBENZENE	12.032	180	31206	8.72	UG/L	98
102) HEXACHLOROBUTADIENE	12.205	225	14173	10.40	UG/L	98
103) NAPHTHALENE	12.275	128	86722m	8.11	UG/L	
104) 1,2,3-TRICHLOROBENZENE	12.512	180	29849	8.40	UG/L	98

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

114

Quant Time: Aug 08 13:57:12 2022
Quant Method : C:\msdchem\1\methods\C051619.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Mon Aug 08 11:15:01 2022
Response via : Initial Calibration



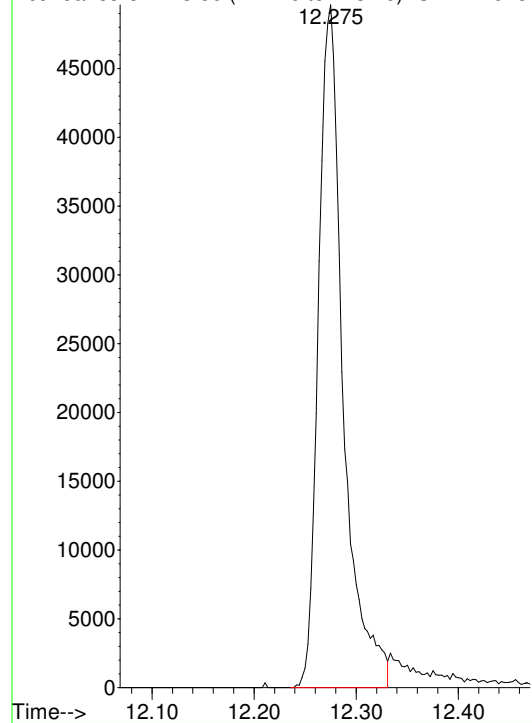
Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21915.D
Acq On : 8 Aug 2022 12:46 pm
Operator :
Sample : 8260STD 10PPB 2206105
Misc :

Quant Time : Mon Aug 08 13:57:12 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration

NAPHTHALENE

Abundance on 128.00 (127.70 to 128.70): C22V21915.I



Original Int. Results

RT : 12.27
Area : 83237
Amount: 7.78165

Manual Int. Results

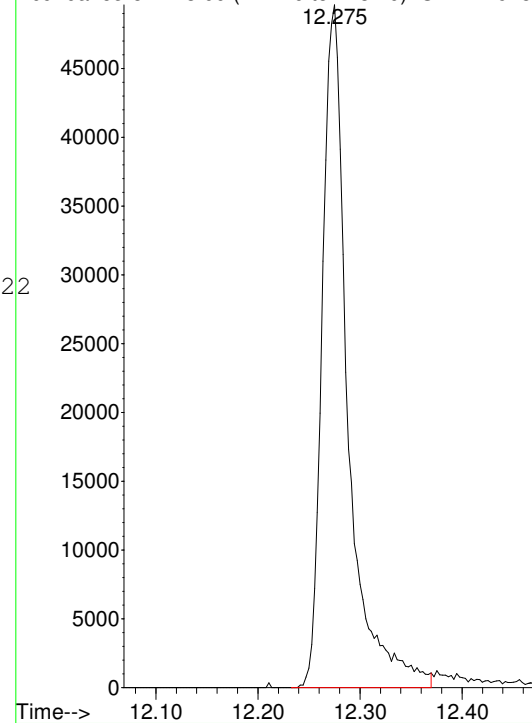
Mon Aug 08 13:57:12 2022

MIuser: EEH
Reason: Other
RT : 12.27
Area : 86722
Amount: 8.10746

Manual Integration

NAPHTHALENE

Abundance on 128.00 (127.70 to 128.70): C22V21915.I



Data Path : C:\msdchem\1\data\C080822\
 Data File : C22V21916.D
 Acq On : 8 Aug 2022 1:10 pm
 Operator :
 Sample : 8260STD 20PPB 2206105
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Inst : GCMSVOA3

Quant Time: Aug 08 13:58:31 2022
 Quant Method : C:\msdchem\1\methods\C051619.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Mon Aug 08 11:15:01 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	4.191	168	195836	30.00	UG/L	0.00
48) 1,4-DIFLUOROBENZENE - ...	4.913	114	287993	30.00	UG/L	0.00
70) CHLOROBENZENE-D5 ISTD	7.749	82	143489	30.00	UG/L	0.00
89) 1,4-DICHLOROETHANE-D4...	10.044	152	143997	30.00	UG/L	# 0.00
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.464	65	91558	24.85	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	99.40%	
49) TOLUENE SS	6.349	98	287646	25.05	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	100.20%	
71) 4-BROMOFLUOROBENZENE SS	8.909	95	106568	25.04	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	100.16%	
Target Compounds						
3) DICHLORODIFLUOROMETHANE	1.087	85	61712	19.33	UG/L	97
4) DIFLUOROCHLOROMETHANE	1.090	51	80187	21.01	UG/L	# 100
5) CHLOROMETHANE	1.193	50	80145m	18.81	UG/L	
6) VINYL CHLORIDE	1.260	62	74108	21.77	UG/L	99
7) BROMOMETHANE	1.444	94	31294	16.84	UG/L	100
8) CHLOROETHANE	1.508	64	47814	25.42	UG/L	99
9) FLUORODICHLOROMETHANE	1.634	67	116251	22.59	UG/L	99
10) TRICHLOROFLUOROMETHANE	1.670	101	91116	24.05	UG/L	97
11) ETHANOL	1.806	45	13423	201.11	UG/L	# 88
12) DI ETHYL ETHER	1.862	59	52801	21.85	UG/L	96
13) ACROLEIN	1.957	56	127908	158.70	UG/L	99
14) ACETONE	2.066	43	236323	192.39	UG/L	95
15) 1,1-DICHLOROETHENE	2.021	61	90527	23.88	UG/L	99
16) 1,1,2-TRICL-1,2,2-TRIF...	2.016	101	52777	25.43	UG/L	86
17) IODOMETHANE	2.135	142	754312	243.19	UG/L	98
20) METHYL ACETATE	2.317	43	90747	23.85	UG/L	96
21) T-BUTYL ALCOHOL	2.512	59	97826	207.02	UG/L	# 95
22) ACRYLONITRILE	2.615	53	30366	18.73	UG/L	98
23) METHYLENE CHLORIDE	2.392	49	89226	22.17	UG/L	97
24) CARBON DISULFIDE	2.188	76	1810004	247.60	UG/L	100
25) METHYL TERT-BUTYL ETHE...	2.637	73	190841	22.31	UG/L	96
26) TRANS 1,2-DICHLOROETHENE	2.629	61	82216	20.95	UG/L	96
27) 1,1-DICHLOROETHANE	3.039	63	107655	20.49	UG/L	99
28) VINYL ACETATE	3.109	43	1903493	188.61	UG/L	99
29) DI ISOPROYL ETHER	3.125	45	217067	19.10	UG/L	96
31) 2-BUTANONE	3.675	43	377890	171.34	UG/L	97
32) T-BUTYL ETHYL ETHER	3.502	59	192968	20.37	UG/L	99
33) CIS-1,2-DICHLOROETHENE	3.639	61	95923	20.98	UG/L	92
34) 2,2-DICHLOROPROPANE	3.630	77	80827	20.53	UG/L	90
35) ETHYL ACETATE	3.747	43	79977	17.95	UG/L	99
38) BROMOCHLOROMETHANE	3.881	49	56866	21.09	UG/L	99
39) TETRAHYDROFURAN	3.940	42	24950	18.94	UG/L	# 89
40) CHLOROFORM	3.968	83	105207	21.60	UG/L	97
41) 1,1,1-TRICHLOROETHANE	4.140	97	88067	22.62	UG/L	97
42) CYCLOHEXANE	4.188	56	89795	19.48	UG/L	96
43) CARBON TETRACHLORIDE	4.305	117	74338	22.79	UG/L	97
44) 1,1-DICHLOROPROPENE	4.308	75	77219	21.40	UG/L	94
45) BENZENE	4.514	78	228669	20.30	UG/L	99
47) T-AMYL METHYL ETHER	4.648	73	185177	22.00	UG/L	95
50) 1,2-DICHLOROETHANE	4.539	62	88085	22.46	UG/L	98
51) TRICHLOROETHENE	5.158	95	57026	22.50	UG/L	94
52) METHYLCYCLOHEXANE	5.334	83	69608	20.07	UG/L	94
53) 1,2-DICHLOROPROPANE	5.379	63	61299	20.19	UG/L	98

Data Path : C:\msdchem\1\data\C080822\
 Data File : C22V21916.D
 Acq On : 8 Aug 2022 1:10 pm
 Operator :
 Sample : 8260STD 20PPB 2206105
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Inst : GCMSVOA3

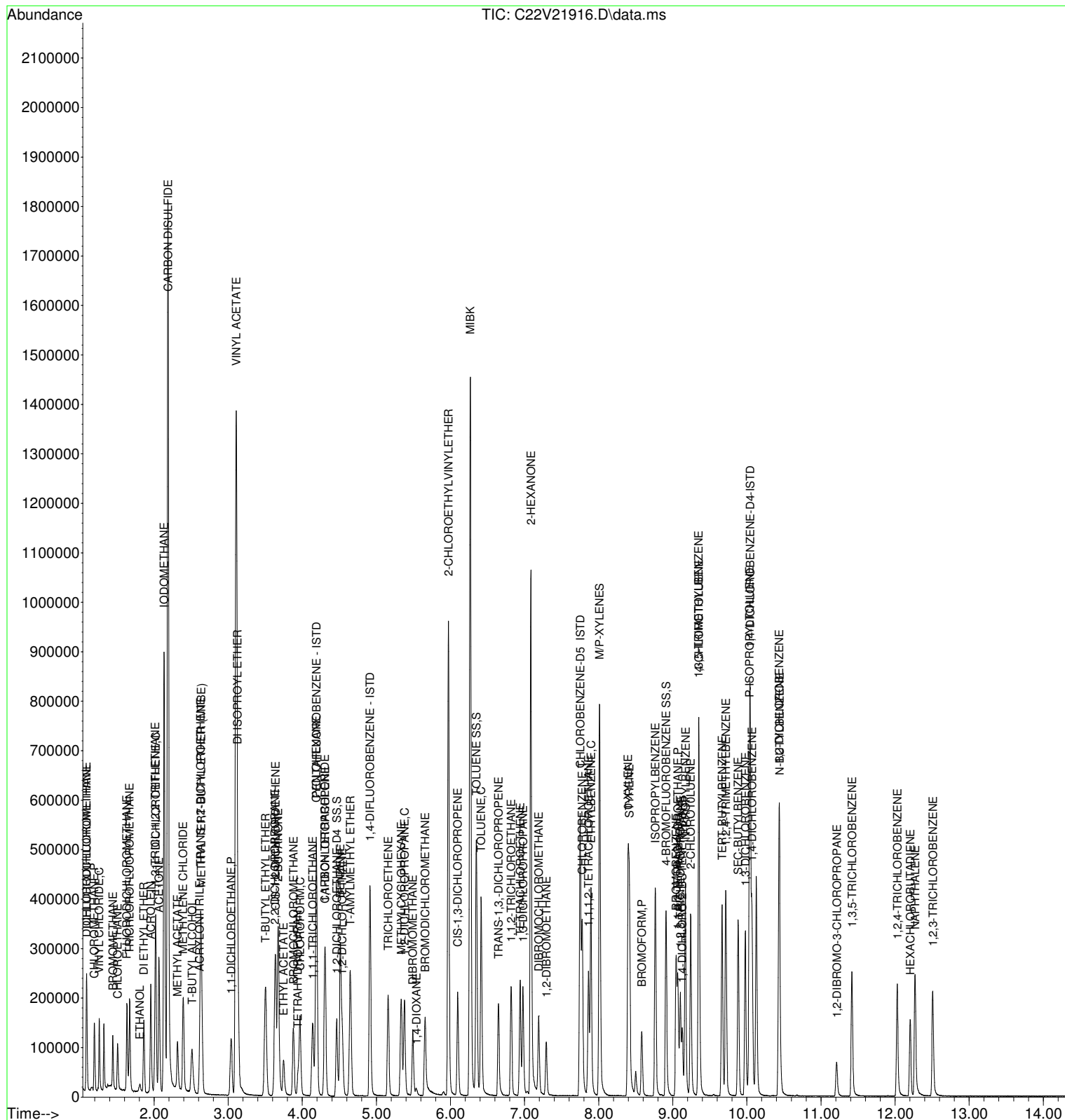
Quant Time: Aug 08 13:58:31 2022
 Quant Method : C:\msdchem\1\methods\C051619.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Mon Aug 08 11:15:01 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
54) DIBROMOMETHANE	5.490	93	41749	22.16	UG/L	94
56) 1,4-DIOXANE	5.540	88	9614	216.06	UG/L #	82
57) BROMODICHLOROMETHANE	5.657	83	82091	22.62	UG/L	97
58) 2-CHLOROETHYL VINYLETHYL	5.973	63	332617	224.32	UG/L	90
59) MIBK	6.265	43	856013	191.52	UG/L	99
60) CIS-1,3-DICHLOROPROPENE	6.098	75	97267	21.01	UG/L	95
61) TOLUENE	6.413	91	242651	21.80	UG/L	98
62) TRANS-1,3-DICHLOROPRO...	6.647	75	85947	20.53	UG/L	94
64) 1,1,2-TRICHLOROETHANE	6.818	97	57873	22.09	UG/L	95
65) 2-HEXANONE	7.085	43	605554	188.63	UG/L	98
66) TETRACHLOROETHENE	6.940	166	58783	22.81	UG/L	98
67) 1,3-DICHLOROPROPANE	6.977	76	104223	21.34	UG/L	100
68) DIBROMOCHLOROMETHANE	7.191	129	68797	22.83	UG/L	98
69) 1,2-DIBROMOETHANE	7.292	107	64672	22.11	UG/L	99
72) CHLOROBENZENE	7.777	112	161032	22.77	UG/L	94
73) 1,1,1,2-TETRACHLOROETHANE	7.863	131	60574	23.98	UG/L	98
74) ETHYLBENZENE	7.894	91	264146	21.69	UG/L	96
75) M/P-XYLENES	8.011	91	408236	44.24	UG/L	98
76) O-XYLENE	8.396	91	218376	22.97	UG/L	96
77) STYRENE	8.413	104	178714	23.30	UG/L	97
78) BROMOFORM	8.580	173	54064	24.28	UG/L	99
79) ISOPROPYLBENZENE	8.764	105	247208	22.41	UG/L	97
81) 1,1,2,2-TETRACHLOROETHANE	9.068	83	95789	22.81	UG/L	96
82) 1,4-DICHLORO-2-BUTENE (...)	9.127	53	22857m	21.55	UG/L	
83) BROMOBENZENE	9.046	77	105392	20.85	UG/L	96
84) 1,2,3-TRICHLOROPROPANE	9.101	75	71178	20.29	UG/L	100
85) N-PROPYLBENZENE	9.171	91	279616	21.57	UG/L	98
86) 2-CHLOROTOLUENE	9.241	91	179667	21.83	UG/L	98
87) 1,3,5-TRIMETHYLBENZENE	9.350	105	200925	21.84	UG/L	98
88) 4-CHLOROTOLUENE	9.352	91	207622	22.17	UG/L	98
90) TERT-BUTYLBENZENE	9.665	119	165628	21.32	UG/L	96
91) 1,2,4-TRIMETHYLBENZENE	9.715	105	200714	20.45	UG/L	98
92) SEC-BUTYLBENZENE	9.882	105	222301	20.28	UG/L	96
93) 1,3-DICHLOROBENZENE	9.980	146	124228	21.84	UG/L	99
94) P-ISOPROPYLTOLUENE	10.036	119	189553	20.08	UG/L	99
95) 1,4-DICHLOROBENZENE	10.069	146	128569	21.32	UG/L	97
97) N-BUTYLBENZENE	10.440	91	164886	19.41	UG/L	95
98) 1,2-DICHLOROBENZENE	10.434	146	127390	22.20	UG/L	99
99) 1,2-DIBROMO-3-CHLOROPR...	11.212	75	16396	20.77	UG/L	92
100) 1,3,5-TRICHLOROBENZENE	11.419	180	77936	19.89	UG/L	99
101) 1,2,4-TRICHLOROBENZENE	12.030	180	68945	18.68	UG/L	99
102) HEXACHLOROBUTADIENE	12.202	225	30170	21.47	UG/L	95
103) NAPHTHALENE	12.269	128	197905	17.94	UG/L	99
104) 1,2,3-TRICHLOROBENZENE	12.509	180	66701	18.20	UG/L	100

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

118

Quant Time: Aug 08 13:58:31 2022
Quant Method : C:\msdchem\1\methods\C051619.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Mon Aug 08 11:15:01 2022
Response via : Initial Calibration

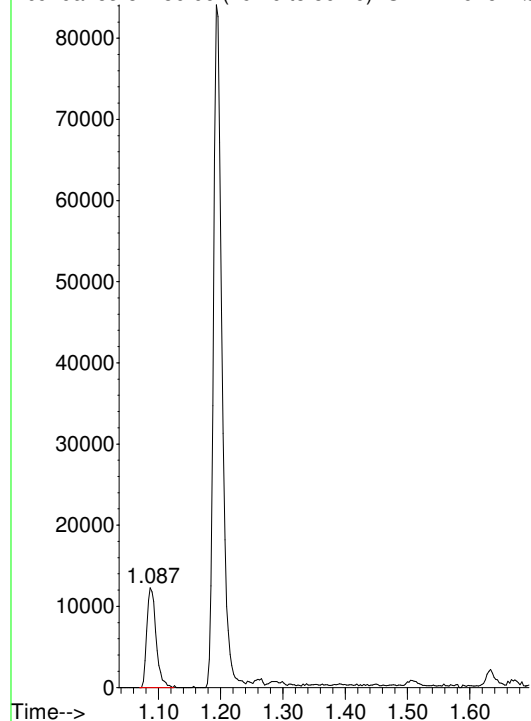


Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21916.D
Acq On : 8 Aug 2022 1:10 pm
Operator :
Sample : 8260STD 20PPB 2206105
Misc :

Quant Time : Mon Aug 08 13:58:31 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration
CHLOROMETHANE

Abundance 50.00 (49.70 to 50.70): C22V21916.D



Original Int. Results

RT : 1.09
Area : 12609
Amount: 2.96009

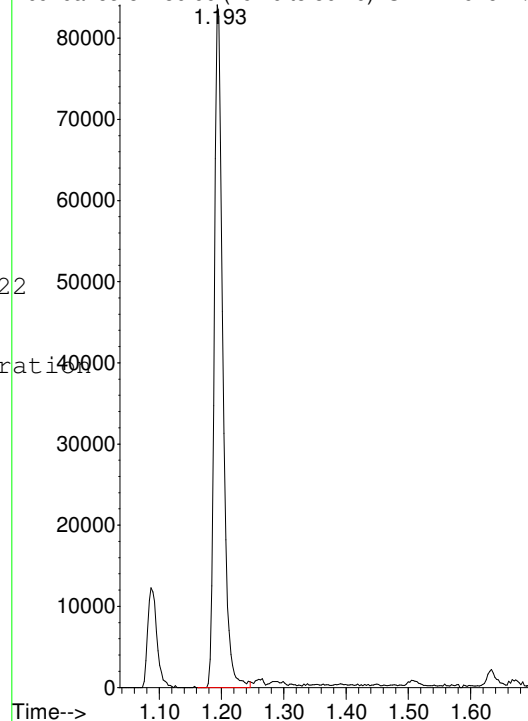
Manual Int. Results

Mon Aug 08 13:57:39 2022

MIuser: EEH
Reason: Incoret Integration
RT : 1.19
Area : 80145
Amount: 18.8148

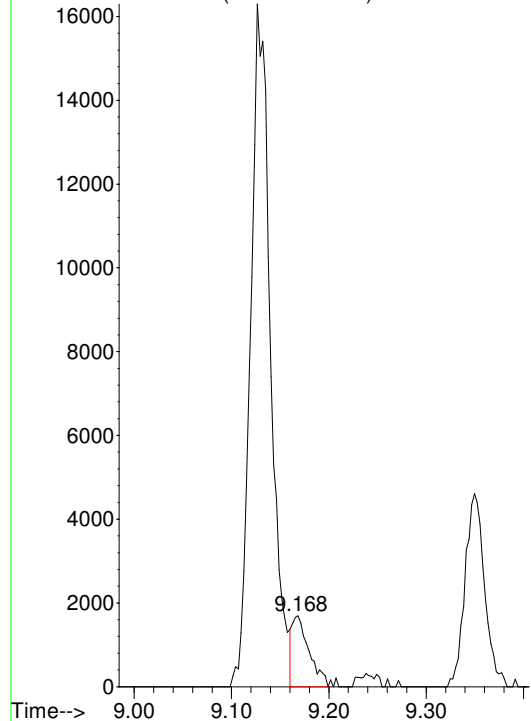
Manual Integration
CHLOROMETHANE

Abundance 50.00 (49.70 to 50.70): C22V21916.D



Original Integration
1,4-DICHLORO-2-BUTENE (TRANS)

Abundance 53.00 (52.70 to 53.70): C22V21916.D



Original Int. Results

RT : 9.17
Area : 2015
Amount: 1.89949

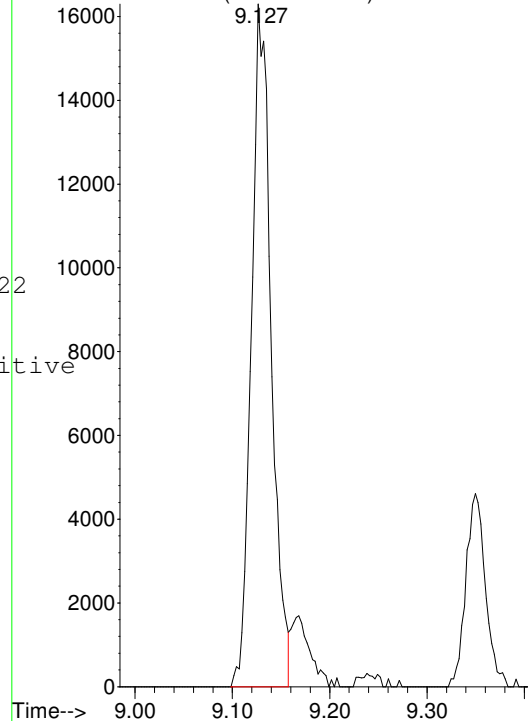
Manual Int. Results

Mon Aug 08 13:58:31 2022

MIuser: EEH
Reason: Qdel False Positive
RT : 9.13
Area : 22857
Amount: 21.5468

Manual Integration
1,4-DICHLORO-2-BUTENE (TRANS)

Abundance 53.00 (52.70 to 53.70): C22V21916.D



Data Path : C:\msdchem\1\data\C080822\
 Data File : C22V21917.D
 Acq On : 8 Aug 2022 1:34 pm
 Operator :
 Sample : 8260STD 50PPB 2206105
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Inst : GCMSVOA3

Quant Time: Aug 08 13:59:14 2022
 Quant Method : C:\msdchem\1\methods\C051619.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Mon Aug 08 11:15:01 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	4.194	168	201796	30.00	UG/L	0.00
48) 1,4-DIFLUOROBENZENE - ...	4.913	114	294674	30.00	UG/L	0.00
70) CHLOROBENZENE-D5 ISTD	7.749	82	144633	30.00	UG/L	0.00
89) 1,4-DICHLOROETHANE-D4...	10.047	152	147961	30.00	UG/L	# 0.00
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.467	65	92898	24.47	UG/L	0.00
Spiked Amount 25.000	Range	70 - 130	Recovery	=	97.88%	
49) TOLUENE SS	6.349	98	292550	24.90	UG/L	0.00
Spiked Amount 25.000	Range	70 - 130	Recovery	=	99.60%	
71) 4-BROMOFLUOROBENZENE SS	8.906	95	107794	25.12	UG/L	0.00
Spiked Amount 25.000	Range	70 - 130	Recovery	=	100.48%	
Target Compounds						
					Qvalue	
3) DICHLORODIFLUOROMETHANE	1.087	85	158748	48.26	UG/L	98
4) DIFLUOROCHLOROMETHANE	1.093	51	204705	52.06	UG/L	# 100
5) CHLOROMETHANE	1.196	50	196280m	44.72	UG/L	
6) VINYL CHLORIDE	1.263	62	188629	53.77	UG/L	98
7) BROMOMETHANE	1.447	94	118366	61.81	UG/L	98
8) CHLOROETHANE	1.514	64	120246	62.04	UG/L	97
9) FLUORODICHLOROMETHANE	1.636	67	293433	55.33	UG/L	99
10) TRICHLOROFLUOROMETHANE	1.675	101	231180	59.21	UG/L	97
12) DI ETHYL ETHER	1.862	59	134514	54.01	UG/L	97
13) ACROLEIN	1.957	56	321982	387.70	UG/L	99
14) ACETONE	2.066	43	601292	475.06	UG/L	95
15) 1,1-DICHLOROETHENE	2.024	61	231407	59.25	UG/L	99
16) 1,1,2-TRICL-1,2,2-TRIF...	2.021	101	134597	62.93	UG/L	87
17) IODOMETHANE	2.138	142	2081642	651.30	UG/L	98
20) METHYL ACETATE	2.317	43	225054	57.41	UG/L	97
21) T-BUTYL ALCOHOL	2.504	59	255906	525.56	UG/L	# 94
22) ACRYLONITRILE	2.618	53	83067	49.71	UG/L	97
23) METHYLENE CHLORIDE	2.395	49	222123	53.57	UG/L	96
24) CARBON DISULFIDE	2.191	76	4616921	612.91	UG/L	100
25) METHYL TERT-BUTYL ETHE...	2.637	73	516462	58.59	UG/L	97
26) TRANS 1,2-DICHLOROETHENE	2.632	61	222296	54.96	UG/L	95
27) 1,1-DICHLOROETHANE	3.042	63	280215	51.75	UG/L	99
28) VINYL ACETATE	3.109	43	4991159	479.95	UG/L	98
29) DI ISOPROYL ETHER	3.125	45	565400	48.27	UG/L	96
31) 2-BUTANONE	3.672	43	1005897	442.62	UG/L	96
32) T-BUTYL ETHYL ETHER	3.505	59	505980	51.83	UG/L	99
33) CIS-1,2-DICHLOROETHENE	3.639	61	250728	53.22	UG/L	92
34) 2,2-DICHLOROPROPANE	3.636	77	226185	55.76	UG/L	90
35) ETHYL ACETATE	3.745	43	215889	47.02	UG/L	99
38) BROMOCHLOROMETHANE	3.878	49	138430	49.82	UG/L	98
39) TETRAHYDROFURAN	3.940	42	67250	49.56	UG/L	90
40) CHLOROFORM	3.970	83	273189	54.42	UG/L	97
41) 1,1,1-TRICHLOROETHANE	4.141	97	228007	56.85	UG/L	96
42) CYCLOHEXANE	4.191	56	224239	47.22	UG/L	94
43) CARBON TETRACHLORIDE	4.305	117	196248	58.38	UG/L	97
44) 1,1-DICHLOROPROPENE	4.308	75	198650	53.43	UG/L	96
45) BENZENE	4.514	78	587237	50.58	UG/L	99
47) T-AMYL METHYL ETHER	4.648	73	485004	55.92	UG/L	96
50) 1,2-DICHLOROETHANE	4.539	62	228936	57.04	UG/L	97
51) TRICHLOROETHENE	5.156	95	150056	57.86	UG/L	92
52) METHYLCYCLOHEXANE	5.334	83	182308	51.38	UG/L	94
53) 1,2-DICHLOROPROPANE	5.379	63	164363	52.91	UG/L	98
54) DIBROMOMETHANE	5.490	93	109278	56.69	UG/L	93

Data Path : C:\msdchem\1\data\C080822\
 Data File : C22V21917.D
 Acq On : 8 Aug 2022 1:34 pm
 Operator :
 Sample : 8260STD 50PPB 2206105
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Inst : GCMSVOA3

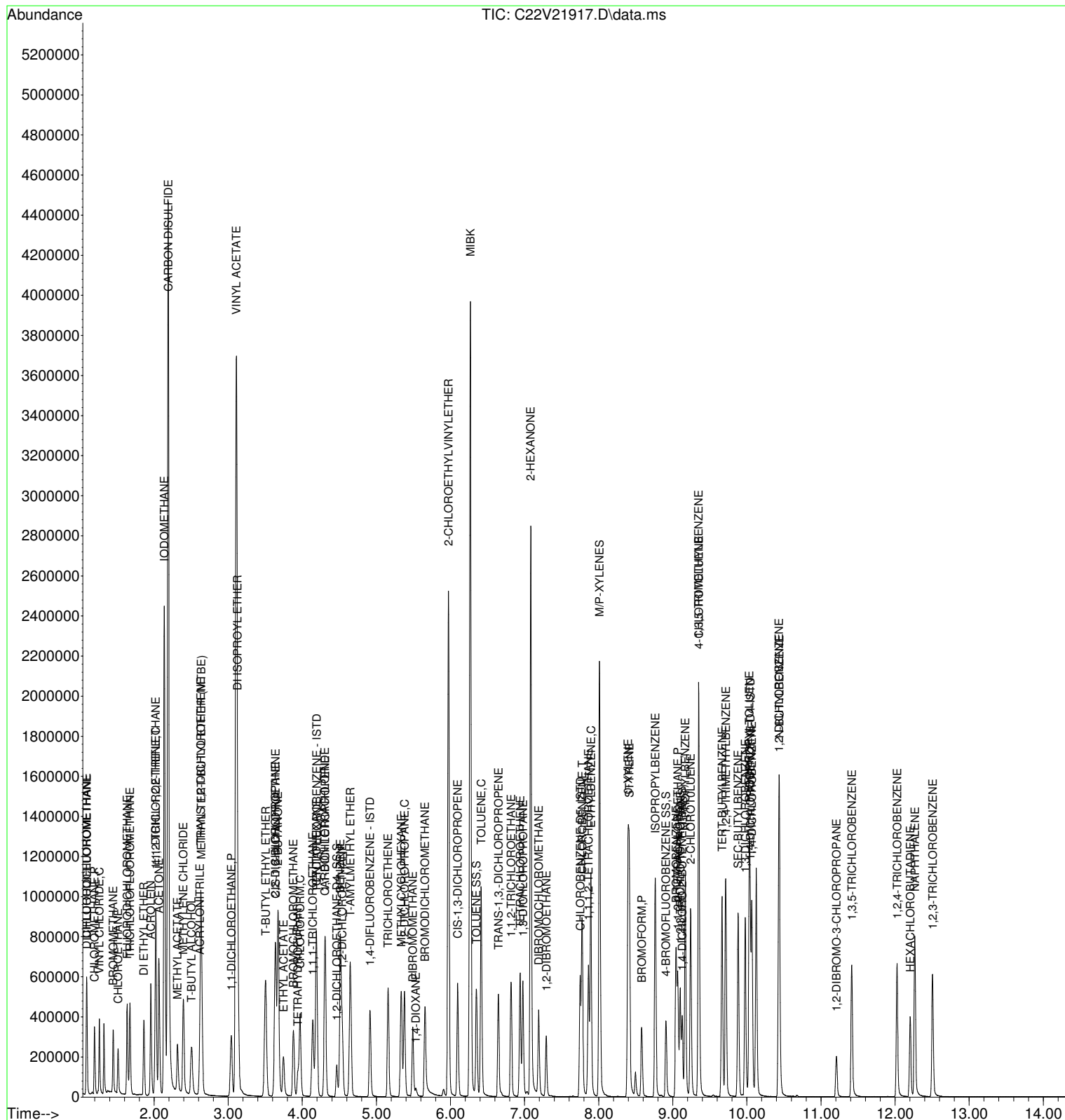
Quant Time: Aug 08 13:59:14 2022
 Quant Method : C:\msdchem\1\methods\C051619.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Mon Aug 08 11:15:01 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
56) 1,4-DIOXANE	5.532	88	24518	538.52	UG/L	# 71
57) BROMODICHLOROMETHANE	5.655	83	215959	58.15	UG/L	97
58) 2-CHLOROETHYL VINYLETHANOL	5.973	63	896251	590.74	UG/L	89
59) MIBK	6.268	43	2256646	493.43	UG/L	99
60) CIS-1,3-DICHLOROPROPENE	6.098	75	261752	55.25	UG/L	95
61) TOLUENE	6.416	91	632875	55.57	UG/L	98
62) TRANS-1,3,-DICHLOROPRO...	6.648	75	228959	53.46	UG/L	93
64) 1,1,2-TRICHLOROETHANE	6.818	97	152183	56.76	UG/L	96
65) 2-HEXANONE	7.083	43	1607232	489.30	UG/L	98
66) TETRACHLOROETHENE	6.940	166	155188	58.86	UG/L	97
67) 1,3-DICHLOROPROPANE	6.977	76	274115	54.85	UG/L	99
68) DIBROMOCHLOROMETHANE	7.191	129	181581	58.88	UG/L	98
69) 1,2-DIBROMOETHANE	7.292	107	167881	56.10	UG/L	99
72) CHLOROBENZENE	7.777	112	417454	58.55	UG/L	96
73) 1,1,1,2-TETRACHLOROETHANE	7.863	131	156763	61.58	UG/L	99
74) ETHYLBENZENE	7.894	91	687823	56.04	UG/L	96
75) M/P-XYLENES	8.011	91	1084210	116.57	UG/L	97
76) O-XYLENE	8.396	91	565944	59.06	UG/L	97
77) STYRENE	8.413	104	467735	60.50	UG/L	96
78) BROMOFORM	8.580	173	142547	63.52	UG/L	98
79) ISOPROPYLBENZENE	8.764	105	645593	58.07	UG/L	98
81) 1,1,2,2-TETRACHLOROETHANE	9.068	83	249642	58.98	UG/L	96
82) 1,4-DICHLORO-2-BUTENE (...)	9.127	53	64424	60.25	UG/L	# 81
83) BROMOBENZENE	9.043	77	272129	53.40	UG/L	96
84) 1,2,3-TRICHLOROPROPANE	9.102	75	190507	53.87	UG/L	97
85) N-PROPYLBENZENE	9.168	91	733572	56.13	UG/L	98
86) 2-CHLOROTOLUENE	9.241	91	465886	56.17	UG/L	98
87) 1,3,5-TRIMETHYLBENZENE	9.350	105	529200	57.08	UG/L	97
88) 4-CHLOROTOLUENE	9.352	91	539056	57.10	UG/L	98
90) TERT-BUTYLBENZENE	9.665	119	423598	53.06	UG/L	95
91) 1,2,4-TRIMETHYLBENZENE	9.715	105	528648	52.42	UG/L	98
92) SEC-BUTYLBENZENE	9.882	105	574310	50.98	UG/L	97
93) 1,3-DICHLOROBENZENE	9.977	146	325798	55.74	UG/L	99
94) P-ISOPROPYLTOLUENE	10.033	119	496013	51.13	UG/L	99
95) 1,4-DICHLOROBENZENE	10.066	146	333618	53.84	UG/L	97
97) N-BUTYLBENZENE	10.437	91	438567	50.25	UG/L	95
98) 1,2-DICHLOROBENZENE	10.432	146	330923	56.13	UG/L	98
99) 1,2-DIBROMO-3-CHLOROPR...	11.207	75	43996	54.23	UG/L	92
100) 1,3,5-TRICHLOROBENZENE	11.416	180	206206	51.22	UG/L	98
101) 1,2,4-TRICHLOROBENZENE	12.027	180	193674	51.07	UG/L	100
102) HEXACHLOROBUTADIENE	12.202	225	76127	52.71	UG/L	97
103) NAPHTHALENE	12.267	128	583579	51.48	UG/L	99
104) 1,2,3-TRICHLOROBENZENE	12.506	180	190522	50.58	UG/L	100

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

122

Inst : GCMSVOA3

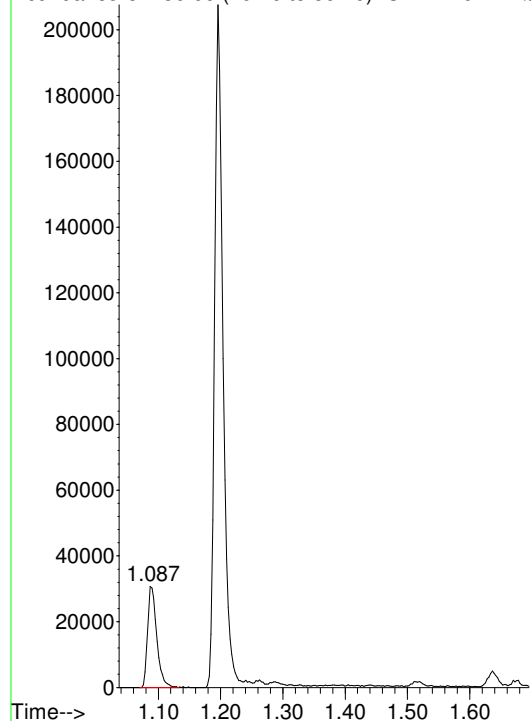


Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21917.D
Acq On : 8 Aug 2022 1:34 pm
Operator :
Sample : 8260STD 50PPB 2206105
Misc :

Quant Time : Mon Aug 08 13:59:14 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration
CHLOROMETHANE

Abundance on 50.00 (49.70 to 50.70): C22V21917.D



Original Int. Results

RT : 1.09
Area : 31509
Amount: 7.17858

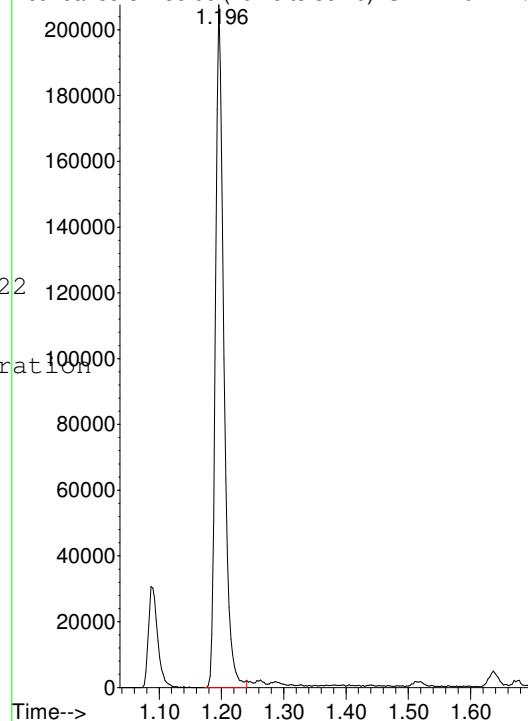
Manual Int. Results

Mon Aug 08 13:59:05 2022

MIuser: EEH
Reason: Incoret Integration
RT : 1.20
Area : 196280
Amount: 44.7178

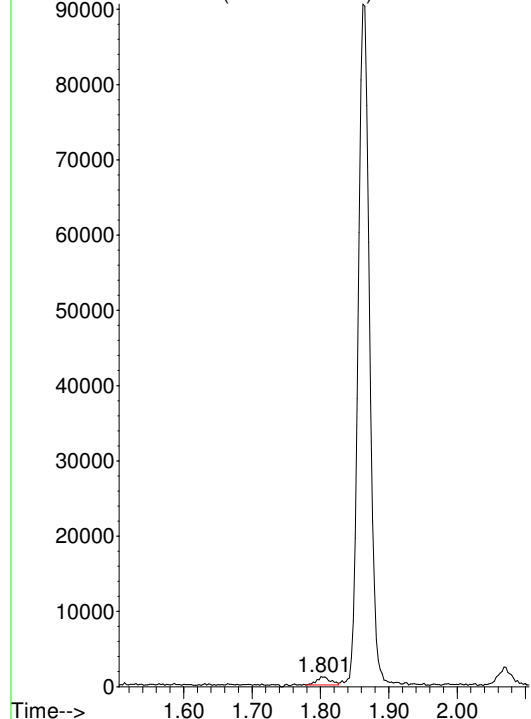
Manual Integration
CHLOROMETHANE

Abundance on 50.00 (49.70 to 50.70): C22V21917.D



Original Integration
ETHANOL

Abundance on 45.00 (44.70 to 45.70): C22V21917.D



Original Int. Results

RT : 1.80
Area : 1575
Amount: 22.9002

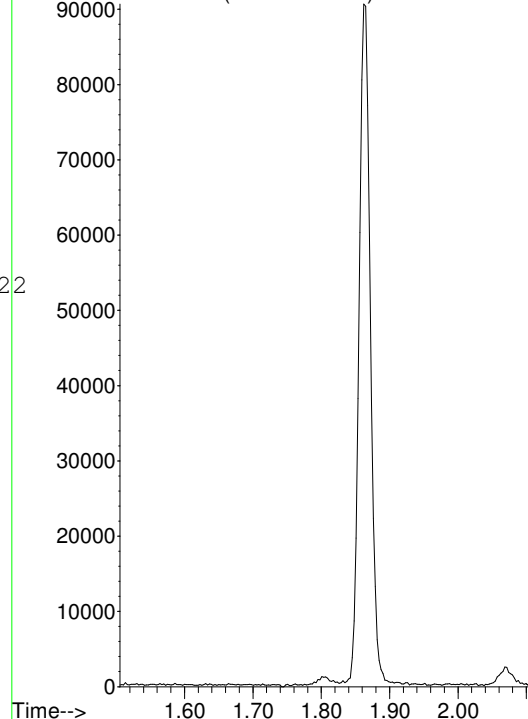
Manual Int. Results

Mon Aug 08 13:59:13 2022

MIuser: EEH
Reason: Split Peak
RT : 0.00
Area : 0
Amount: 0

Manual Integration
ETHANOL

Abundance on 45.00 (44.70 to 45.70): C22V21917.D



Data Path : C:\msdchem\1\data\C080822\
 Data File : C22V21918.D
 Acq On : 8 Aug 2022 1:59 pm
 Operator :
 Sample : 8260STD 100PPB 2206105
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Inst : GCMSVOA3

Quant Time: Aug 09 06:41:46 2022
 Quant Method : C:\msdchem\1\methods\C051619.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Mon Aug 08 11:15:01 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	4.194	168	207525	30.00	UG/L	0.00
48) 1,4-DIFLUOROBENZENE - ...	4.913	114	305879	30.00	UG/L	0.00
70) CHLOROBENZENE-D5 ISTD	7.749	82	150654	30.00	UG/L	0.00
89) 1,4-DICHLOROETHANE-D4...	10.044	152	157880m	30.00	UG/L	0.00
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.464	65	95017	24.34	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	97.36%		
49) TOLUENE SS	6.352	98	300659	24.65	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	98.60%		
71) 4-BROMOFLUOROBENZENE SS	8.909	95	113179	25.32	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	101.28%		
Target Compounds						
					Qvalue	
3) DICHLORODIFLUOROMETHANE	1.087	85	319640	94.48	UG/L	98
4) DIFLUOROCHLOROMETHANE	1.090	51	412969	102.12	UG/L #	100
5) CHLOROMETHANE	1.196	50	411266m	91.11	UG/L	
6) VINYL CHLORIDE	1.260	62	380257	105.39	UG/L	98
7) BROMOMETHANE	1.444	94	212024	107.65	UG/L	99
8) CHLOROETHANE	1.508	64	235369	118.08	UG/L	98
9) FLUORODICHLOROMETHANE	1.634	67	590184	108.21	UG/L	98
10) TRICHLOROFLUOROMETHANE	1.673	101	462906	115.28	UG/L	97
12) DI ETHYL ETHER	1.862	59	271752	106.11	UG/L	96
13) ACROLEIN	1.957	56	698876	818.29	UG/L	100
14) ACETONE	2.066	43	1216737	934.77	UG/L	95
15) 1,1-DICHLOROETHENE	2.021	61	461747	114.96	UG/L	99
16) 1,1,2-TRICL-1,2,2-TRIF...	2.019	101	273677	124.43	UG/L	87
17) IODOMETHANE	2.136	142	4465385	1358.55	UG/L	99
20) METHYL ACETATE	2.317	43	452746	112.30	UG/L	96
21) T-BUTYL ALCOHOL	2.512	59	527627	1053.68	UG/L #	92
22) ACRYLONITRILE	2.618	53	173336	100.87	UG/L	99
23) METHYLENE CHLORIDE	2.395	49	446658	104.75	UG/L	96
24) CARBON DISULFIDE	2.189	76	9391706	1212.37	UG/L	100
25) METHYL TERT-BUTYL ETHE...	2.638	73	1035453	114.22	UG/L	96
26) TRANS 1,2-DICHLOROETHENE	2.629	61	448363	107.79	UG/L	96
27) 1,1-DICHLOROETHANE	3.042	63	565481	101.54	UG/L	99
28) VINYL ACETATE	3.112	43	10196995	953.47	UG/L	98
29) DI ISOPROYL ETHER	3.128	45	1158349	96.17	UG/L	96
31) 2-BUTANONE	3.675	43	2057571	880.39	UG/L	96
32) T-BUTYL ETHYL ETHER	3.505	59	1038088	103.40	UG/L	99
33) CIS-1,2-DICHLOROETHENE	3.639	61	514280	106.15	UG/L	93
34) 2,2-DICHLOROPROPANE	3.633	77	451799	108.30	UG/L	90
35) ETHYL ACETATE	3.745	43	454972	96.36	UG/L	98
38) BROMOCHLOROMETHANE	3.879	49	252896	88.50	UG/L	99
39) TETRAHYDROFURAN	3.937	42	138376	99.15	UG/L	91
40) CHLOROFORM	3.971	83	555938	107.70	UG/L	96
41) 1,1,1-TRICHLOROETHANE	4.141	97	466269	113.04	UG/L	97
42) CYCLOHEXANE	4.188	56	455193	93.21	UG/L	93
43) CARBON TETRACHLORIDE	4.305	117	401942	116.28	UG/L	97
44) 1,1-DICHLOROPROPENE	4.308	75	410178	107.27	UG/L	96
45) BENZENE	4.514	78	1203747	100.82	UG/L	99
47) T-AMYL METHYL ETHER	4.648	73	999362	112.04	UG/L	95
50) 1,2-DICHLOROETHANE	4.540	62	466780	112.05	UG/L	98
51) TRICHLOROETHENE	5.156	95	305614	113.53	UG/L	93
52) METHYLCYCLOHEXANE	5.334	83	372434	101.13	UG/L	94
53) 1,2-DICHLOROPROPANE	5.379	63	333400	103.40	UG/L	99
54) DIBROMOMETHANE	5.490	93	224105	112.00	UG/L	94

Data Path : C:\msdchem\1\data\C080822\
 Data File : C22V21918.D
 Acq On : 8 Aug 2022 1:59 pm
 Operator :
 Sample : 8260STD 100PPB 2206105
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Inst : GCMSVOA3

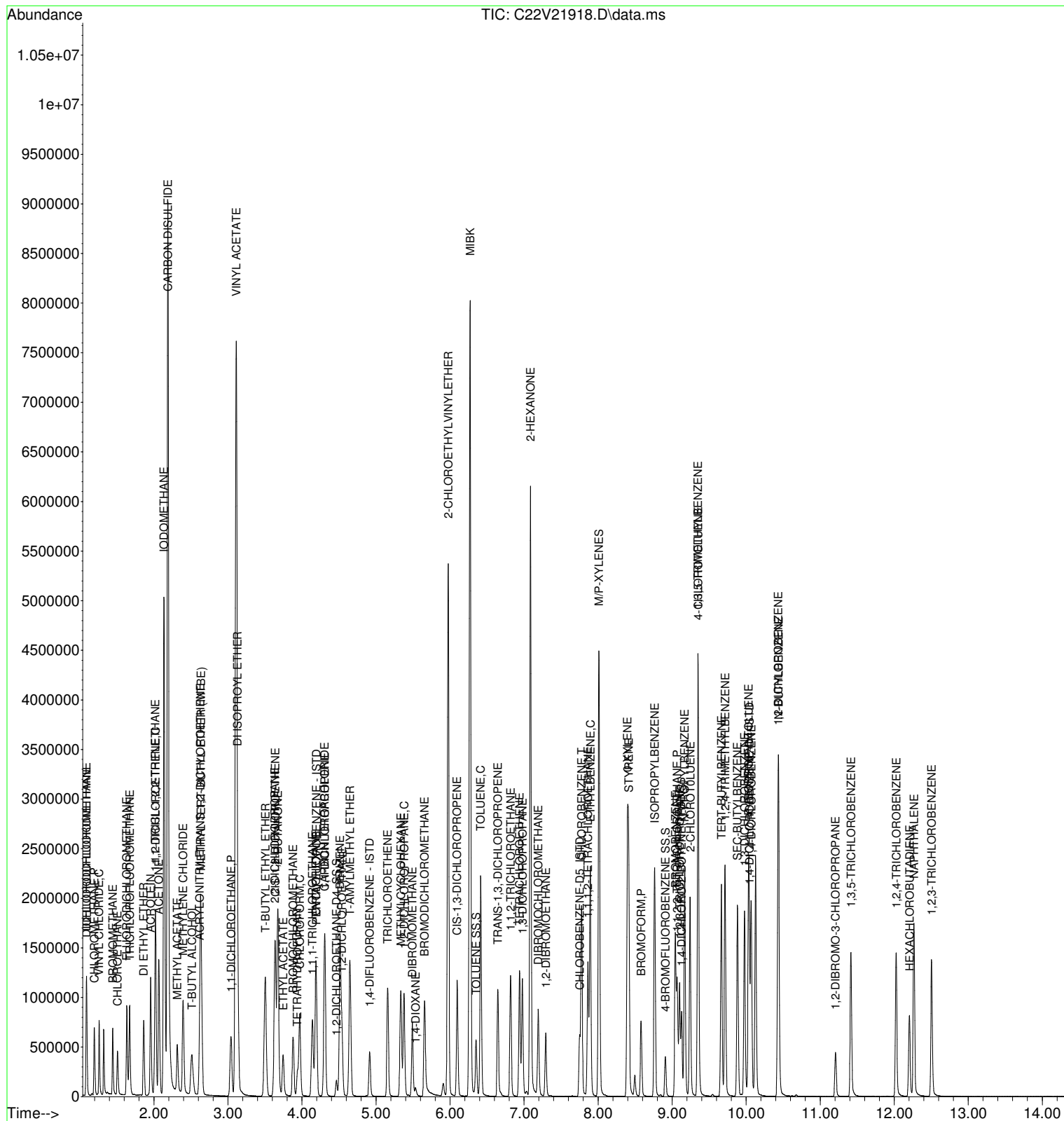
Quant Time: Aug 09 06:41:46 2022
 Quant Method : C:\msdchem\1\methods\C051619.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Mon Aug 08 11:15:01 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
56) 1,4-DIOXANE	5.535	88	50642	1071.56	UG/L #	68
57) BROMODICHLOROMETHANE	5.655	83	446288	115.77	UG/L	98
58) 2-CHLOROETHYL VINYLETHANOL	5.976	63	1892822	1201.90	UG/L	89
59) MIBK	6.271	43	4688471	987.62	UG/L	98
60) CIS-1,3-DICHLOROPROPENE	6.096	75	538317	109.47	UG/L	97
61) TOLUENE	6.413	91	1296415	109.67	UG/L	98
62) TRANS-1,3,-DICHLOROPRO...	6.645	75	478929	107.74	UG/L	94
64) 1,1,2-TRICHLOROETHANE	6.818	97	315950	113.53	UG/L	96
65) 2-HEXANONE	7.086	43	3381066	991.62	UG/L	98
66) TETRACHLOROETHENE	6.938	166	322443	117.82	UG/L	97
67) 1,3-DICHLOROPROPANE	6.977	76	565125	108.94	UG/L	100
68) DIBROMOCHLOROMETHANE	7.191	129	382189	119.39	UG/L	98
69) 1,2-DIBROMOETHANE	7.292	107	352171	113.37	UG/L	99
72) CHLOROBENZENE	7.777	112	867710	116.84	UG/L	96
73) 1,1,1,2-TETRACHLOROETHANE	7.861	131	327706	123.59	UG/L	99
74) ETHYLBENZENE	7.894	91	1431054	111.93	UG/L	96
75) M/P-XYLENES	8.011	91	2238870	231.10	UG/L	98
76) O-XYLENE	8.396	91	1174808	117.70	UG/L	97
77) STYRENE	8.413	104	980137	121.72	UG/L	95
78) BROMOFORM	8.580	173	309614	132.45	UG/L	99
79) ISOPROPYLBENZENE	8.764	105	1337232	115.48	UG/L	98
81) 1,1,2,2-TETRACHLOROETHANE	9.068	83	520684	118.09	UG/L	96
82) 1,4-DICHLORO-2-BUTENE (...)	9.127	53	138109	124.00	UG/L #	81
83) BROMOBENZENE	9.043	77	580324	109.33	UG/L	95
84) 1,2,3-TRICHLOROPROPANE	9.102	75	399664	108.50	UG/L	97
85) N-PROPYLBENZENE	9.169	91	1530119	112.40	UG/L	98
86) 2-CHLOROTOLUENE	9.244	91	965256	111.72	UG/L	98
87) 1,3,5-TRIMETHYLBENZENE	9.350	105	1105111	114.44	UG/L	97
88) 4-CHLOROTOLUENE	9.353	91	1152655	117.21	UG/L	97
90) TERT-BUTYLBENZENE	9.665	119	890745	104.56	UG/L	97
91) 1,2,4-TRIMETHYLBENZENE	9.715	105	1113048	103.42	UG/L	98
92) SEC-BUTYLBENZENE	9.883	105	1203185	100.10	UG/L	98
93) 1,3-DICHLOROBENZENE	9.977	146	692553	111.05	UG/L	99
94) P-ISOPROPYLTOLUENE	10.033	119	1051949	101.62	UG/L	98
95) 1,4-DICHLOROBENZENE	10.069	146	712839	107.81	UG/L	97
97) N-BUTYLBENZENE	10.437	91	938680	100.79	UG/L	96
98) 1,2-DICHLOROBENZENE	10.432	146	707212	112.41	UG/L	99
99) 1,2-DIBROMO-3-CHLOROPR...	11.204	75	96992	112.04	UG/L	90
100) 1,3,5-TRICHLOROBENZENE	11.416	180	448032	104.29	UG/L	99
101) 1,2,4-TRICHLOROBENZENE	12.027	180	423328	104.62	UG/L	100
102) HEXACHLOROBUTADIENE	12.205	225	167920	108.97	UG/L	97
103) NAPHTHALENE	12.267	128	1282262	106.01	UG/L	99
104) 1,2,3-TRICHLOROBENZENE	12.504	180	411470	102.38	UG/L	99

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

126

Quant Time: Aug 09 06:41:46 2022
Quant Method : C:\msdchem\1\methods\C051619.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Mon Aug 08 11:15:01 2022
Response via : Initial Calibration

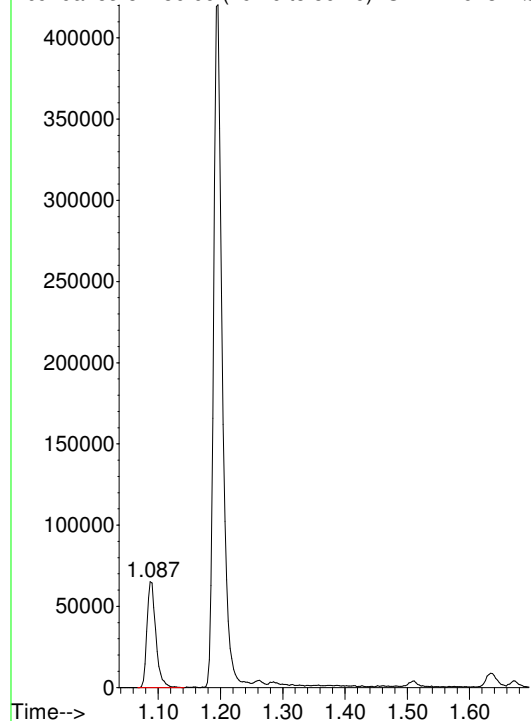


Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21918.D
Acq On : 8 Aug 2022 1:59 pm
Operator :
Sample : 8260STD 100PPB 2206105
Misc :

Quant Time : Tue Aug 09 06:41:46 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration
CHLOROMETHANE

Abundance 50.00 (49.70 to 50.70): C22V21918.D



Original Int. Results

RT : 1.09
Area : 63977
Amount: 14.1733

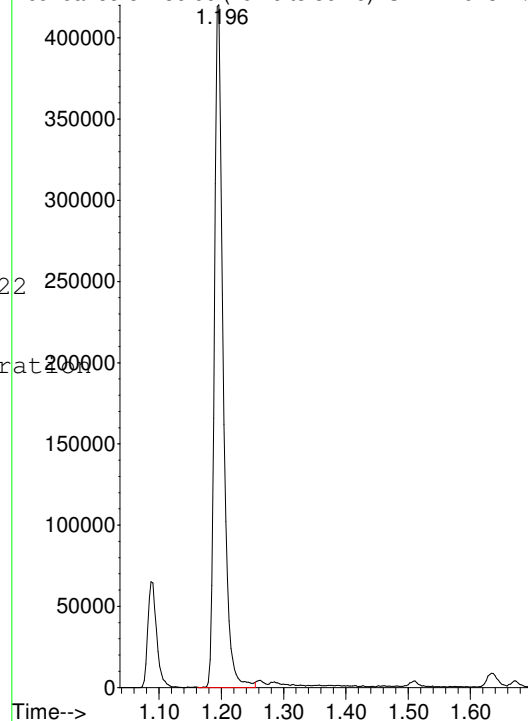
Manual Int. Results

Tue Aug 09 06:23:46 2022

MIuser: EEH
Reason: Incoret Integration
RT : 1.20
Area : 411266
Amount: 91.1106

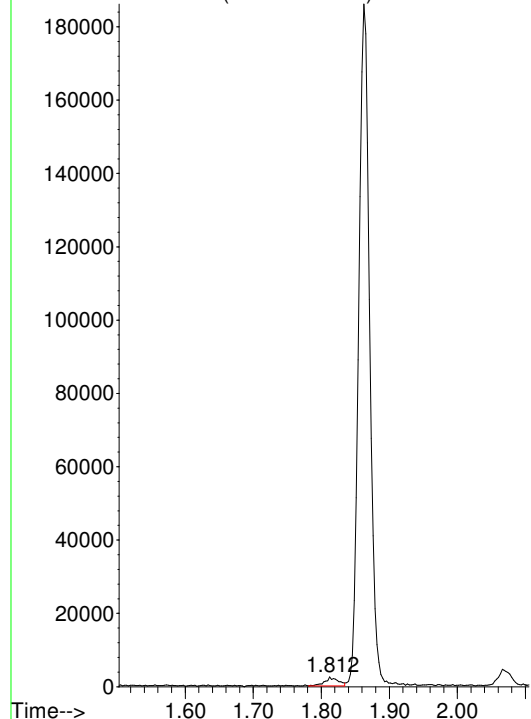
Manual Integration
CHLOROMETHANE

Abundance 50.00 (49.70 to 50.70): C22V21918.D



Original Integration
ETHANOL

Abundance 45.00 (44.70 to 45.70): C22V21918.D



Original Int. Results

RT : 1.81
Area : 3248
Amount: 45.9217

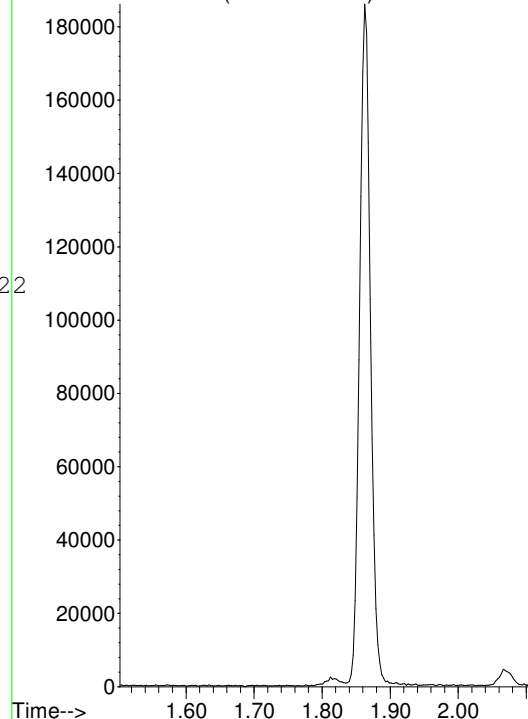
Manual Int. Results

Tue Aug 09 06:23:54 2022

MIuser: EEH
Reason: Split Peak
RT : 0.00
Area : 0
Amount: 0

Manual Integration
ETHANOL

Abundance 45.00 (44.70 to 45.70): C22V21918.D



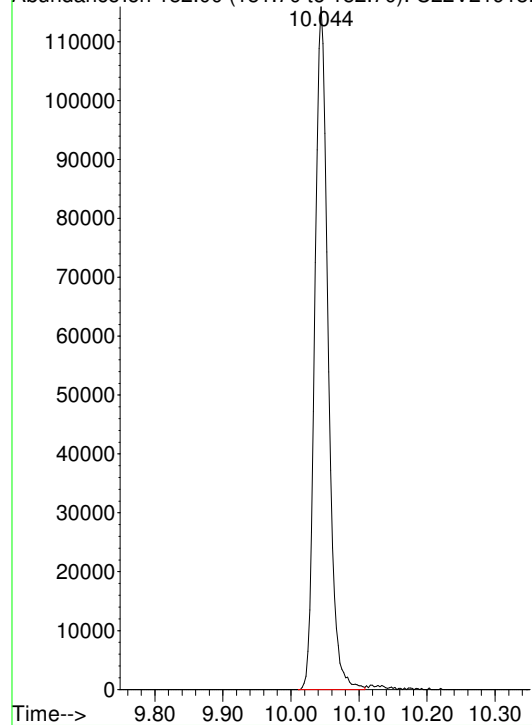
Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21918.D
Acq On : 8 Aug 2022 1:59 pm
Operator :
Sample : 8260STD 100PPB 2206105
Misc :

Quant Time : Tue Aug 09 06:41:46 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration

1,4-DICHLOROBENZENE-D4-ISTD

Abundance on 152.00 (151.70 to 152.70): C22V21918.I



Original Int. Results

RT : 10.04
Area : 156597
Amount: 30

Manual Int. Results

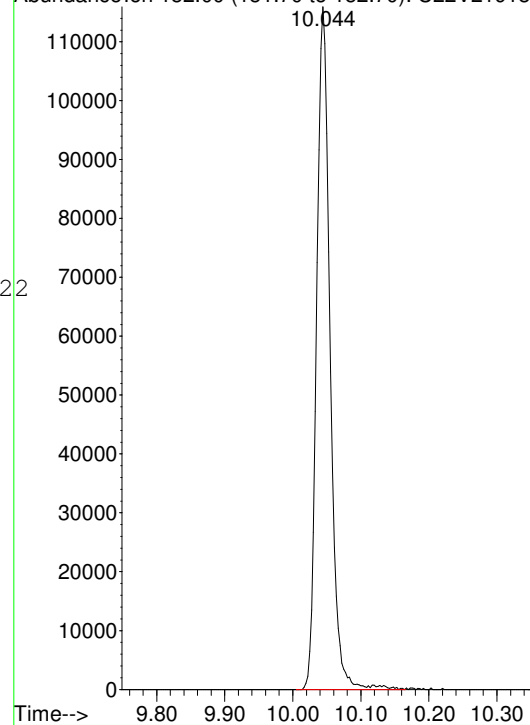
Tue Aug 09 06:41:46 2022

MIuser: EEH
Reason: Split Peak
RT : 10.04
Area : 157880
Amount: 30

Manual Integration

1,4-DICHLOROBENZENE-D4-ISTD

Abundance on 152.00 (151.70 to 152.70): C22V21918.I



Data Path : C:\msdchem\1\data\C080822\
 Data File : C22V21919.D
 Acq On : 8 Aug 2022 2:23 pm
 Operator :
 Sample : 8260STD 200PPB 2206105
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Inst : GCMSVOA3

Quant Time: Aug 09 06:41:16 2022
 Quant Method : C:\msdchem\1\methods\C051619.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Mon Aug 08 11:15:01 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	4.194	168	211344	30.00	UG/L	0.00
48) 1,4-DIFLUOROBENZENE - ...	4.913	114	306522	30.00	UG/L	0.00
70) CHLOROBENZENE-D5 ISTD	7.749	82	155515	30.00	UG/L	0.00
89) 1,4-DICHLOROETHANE-D4...	10.044	152	168149m	30.00	UG/L	0.00
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.467	65	95572	24.04	UG/L	0.00
Spiked Amount 25.000	Range	70 - 130	Recovery	=	96.16%	
49) TOLUENE SS	6.352	98	304676	24.93	UG/L	0.00
Spiked Amount 25.000	Range	70 - 130	Recovery	=	99.72%	
71) 4-BROMOFLUOROBENZENE SS	8.909	95	119760	25.96	UG/L	0.00
Spiked Amount 25.000	Range	70 - 130	Recovery	=	103.84%	
Target Compounds						
3) DICHLORODIFLUOROMETHANE	1.084	85	645308	187.30	UG/L	98
4) DIFLUOROCHLOROMETHANE	1.090	51	847637	205.82	UG/L	# 100
5) CHLOROMETHANE	1.193	50	896006m	194.91	UG/L	
6) VINYL CHLORIDE	1.260	62	769135	209.33	UG/L	98
7) BROMOMETHANE	1.441	94	435223	216.99	UG/L	100
8) CHLOROETHANE	1.500	64	464064	228.60	UG/L	97
9) FLUORODICHLOROMETHANE	1.631	67	1193928	214.95	UG/L	99
10) TRICHLOROFLUOROMETHANE	1.667	101	925780	226.38	UG/L	98
12) DI ETHYL ETHER	1.862	59	548241	210.20	UG/L	97
13) ACROLEIN	1.957	56	1534492	1764.21	UG/L	100
14) ACETONE	2.069	43	2464910	1859.47	UG/L	95
15) 1,1-DICHLOROETHENE	2.018	61	938436	229.43	UG/L	99
16) 1,1,2-TRICL-1,2,2-TRIF...	2.016	101	544277	242.98	UG/L	88
17) IODOMETHANE	2.136	142	9311028	2781.60	UG/L	98
20) METHYL ACETATE	2.317	43	914564	222.75	UG/L	96
21) T-BUTYL ALCOHOL	2.548	59	1079732m	2117.28	UG/L	
22) ACRYLONITRILE	2.618	53	357191	204.10	UG/L	98
23) METHYLENE CHLORIDE	2.392	49	890641	205.09	UG/L	95
24) CARBON DISULFIDE	2.180	76	16095597m	2040.22	UG/L	
25) METHYL TERT-BUTYL ETHE...	2.638	73	2118935	229.51	UG/L	96
26) TRANS 1,2-DICHLOROETHENE	2.626	61	921008	217.42	UG/L	96
27) 1,1-DICHLOROETHANE	3.039	63	1162755	205.02	UG/L	99
28) VINYL ACETATE	3.109	43	18407533m	1690.09	UG/L	
29) DI ISOPROYL ETHER	3.128	45	2382524	194.23	UG/L	95
31) 2-BUTANONE	3.678	43	4290128	1802.48	UG/L	96
32) T-BUTYL ETHYL ETHER	3.502	59	2135862	208.90	UG/L	99
33) CIS-1,2-DICHLOROETHENE	3.639	61	1058464	214.53	UG/L	93
34) 2,2-DICHLOROPROPANE	3.633	77	923079	217.27	UG/L	91
35) ETHYL ACETATE	3.745	43	902462	187.68	UG/L	99
38) BROMOCHLOROMETHANE	3.878	49	462279	158.85	UG/L	99
39) TETRAHYDROFURAN	3.940	42	288569	203.04	UG/L	91
40) CHLOROFORM	3.971	83	1144572	217.72	UG/L	97
41) 1,1,1-TRICHLOROETHANE	4.141	97	961834	228.97	UG/L	97
42) CYCLOHEXANE	4.188	56	926742	186.33	UG/L	95
43) CARBON TETRACHLORIDE	4.302	117	836570	237.64	UG/L	98
44) 1,1-DICHLOROPROPENE	4.308	75	844424	216.84	UG/L	96
45) BENZENE	4.514	78	2471550	203.27	UG/L	99
47) T-AMYL METHYL ETHER	4.648	73	2073978	228.32	UG/L	95
50) 1,2-DICHLOROETHANE	4.539	62	952554	228.18	UG/L	98
51) TRICHLOROETHENE	5.156	95	630974	233.91	UG/L	94
52) METHYLCYCLOHEXANE	5.337	83	761415	206.31	UG/L	94
53) 1,2-DICHLOROPROPANE	5.379	63	704447	218.02	UG/L	99
54) DIBROMOMETHANE	5.490	93	464522	231.66	UG/L	94

Data Path : C:\msdchem\1\data\C080822\
 Data File : C22V21919.D
 Acq On : 8 Aug 2022 2:23 pm
 Operator :
 Sample : 8260STD 200PPB 2206105
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Inst : GCMSVOA3

Quant Time: Aug 09 06:41:16 2022
 Quant Method : C:\msdchem\1\methods\C051619.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Mon Aug 08 11:15:01 2022
 Response via : Initial Calibration

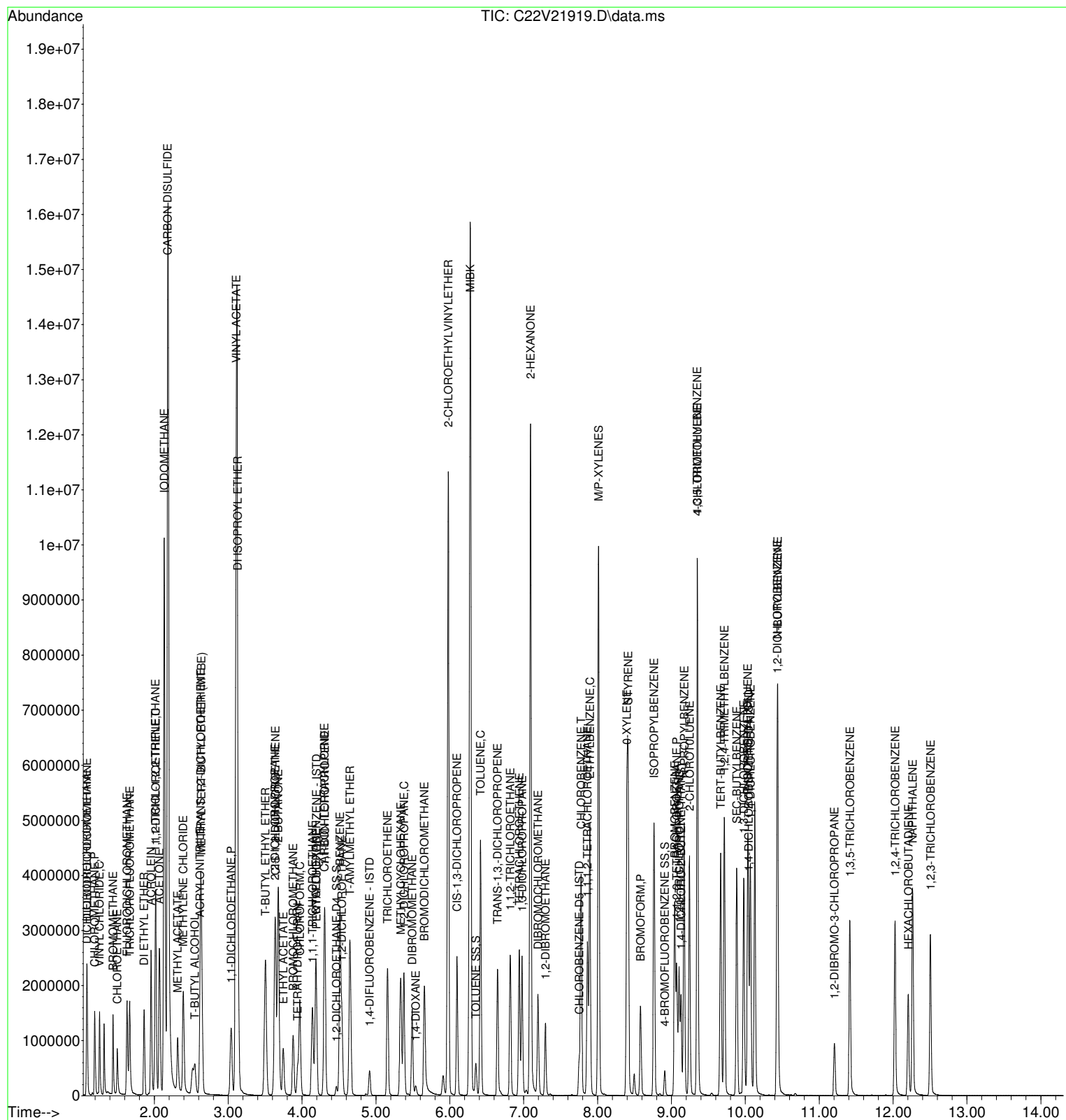
Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
56) 1,4-DIOXANE	5.538	88	110598	2335.29	UG/L #	72
57) BROMODICHLOROMETHANE	5.655	83	927628	240.13	UG/L	97
58) 2-CHLOROETHYL VINYLETHANOL	5.978	63	4058349	2571.56	UG/L	88
59) MIBK	6.277	43	9824542	2065.18	UG/L	97
60) CIS-1,3-DICHLOROPROPENE	6.098	75	1123452	227.98	UG/L	96
61) TOLUENE	6.416	91	2670796	225.45	UG/L	98
62) TRANS-1,3,-DICHLOROPRO...	6.645	75	1010507	226.84	UG/L	94
64) 1,1,2-TRICHLOROETHANE	6.818	97	657021	235.60	UG/L	95
65) 2-HEXANONE	7.094	43	7060536	2066.42	UG/L	96
66) TETRACHLOROETHENE	6.940	166	662506	241.58	UG/L	97
67) 1,3-DICHLOROPROPANE	6.977	76	1169202	224.92	UG/L	99
68) DIBROMOCHLOROMETHANE	7.194	129	805536	251.10	UG/L	98
69) 1,2-DIBROMOETHANE	7.292	107	736716	236.67	UG/L	100
72) CHLOROBENZENE	7.777	112	1806976	235.72	UG/L	96
73) 1,1,1,2-TETRACHLOROETHANE	7.863	131	695384	254.05	UG/L	99
74) ETHYLBENZENE	7.894	91	2977511	225.61	UG/L	97
75) M/P-XYLENES	8.014	91	4738494	473.83	UG/L	98
76) O-XYLENE	8.396	91	2479180	240.62	UG/L	97
77) STYRENE	8.413	104	2101638	252.83	UG/L	95
78) BROMOFORM	8.580	173	662908	274.73	UG/L	99
79) ISOPROPYLBENZENE	8.764	105	2826310	236.44	UG/L	98
81) 1,1,2,2-TETRACHLOROETHANE	9.071	83	1088592	239.18	UG/L	96
82) 1,4-DICHLORO-2-BUTENE (...)	9.130	53	292925	254.78	UG/L #	78
83) BROMOBENZENE	9.043	77	1237286	225.80	UG/L	96
84) 1,2,3-TRICHLOROPROPANE	9.104	75	858506	225.77	UG/L	96
85) N-PROPYLBENZENE	9.171	91	3266018	232.41	UG/L	98
86) 2-CHLOROTOLUENE	9.244	91	2051844	230.07	UG/L	99
87) 1,3,5-TRIMETHYLBENZENE	9.350	105	2398581	240.61	UG/L	98
88) 4-CHLOROTOLUENE	9.353	91	2486811	244.98	UG/L	98
90) TERT-BUTYLBENZENE	9.668	119	1902967	209.73	UG/L	96
91) 1,2,4-TRIMETHYLBENZENE	9.715	105	2378044	207.47	UG/L	99
92) SEC-BUTYLBENZENE	9.885	105	2583625	201.82	UG/L	98
93) 1,3-DICHLOROBENZENE	9.977	146	1483341	223.32	UG/L	100
94) P-ISOPROPYLTOLUENE	10.033	119	2258909	204.89	UG/L	99
95) 1,4-DICHLOROBENZENE	10.069	146	1554151	220.70	UG/L	99
97) N-BUTYLBENZENE	10.437	91	2032947	204.96	UG/L	96
98) 1,2-DICHLOROBENZENE	10.432	146	1523825	227.42	UG/L	99
99) 1,2-DIBROMO-3-CHLOROPR...	11.204	75	207303	224.84	UG/L	91
100) 1,3,5-TRICHLOROBENZENE	11.416	180	971990	212.44	UG/L	99
101) 1,2,4-TRICHLOROBENZENE	12.027	180	920627	213.62	UG/L	100
102) HEXACHLOROBUTADIENE	12.205	225	368467	224.51	UG/L	97
103) NAPHTHALENE	12.264	128	2736602	212.43	UG/L	99
104) 1,2,3-TRICHLOROBENZENE	12.507	180	873759	204.12	UG/L	100

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

Data Path : C:\msdchem\1\data\C080822\
 Data File : C22V21919.D
 Acq On : 8 Aug 2022 2:23 pm
 Operator :
 Sample : 8260STD 200PPB 2206105
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Inst : GCMSVOA3

Quant Time: Aug 09 06:41:16 2022
 Quant Method : C:\msdchem\1\methods\C051619.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Mon Aug 08 11:15:01 2022
 Response via : Initial Calibration

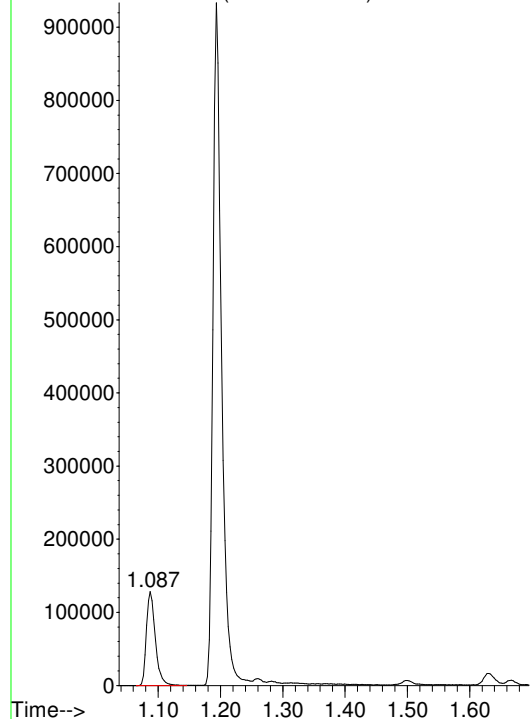


Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21919.D
Acq On : 8 Aug 2022 2:23 pm
Operator :
Sample : 8260STD 200PPB 2206105
Misc :

Quant Time : Tue Aug 09 06:41:16 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration
CHLOROMETHANE

Abundance 50.00 (49.70 to 50.70): C22V21919.D



Original Int. Results

RT : 1.09
Area : 127378
Amount : 27.709

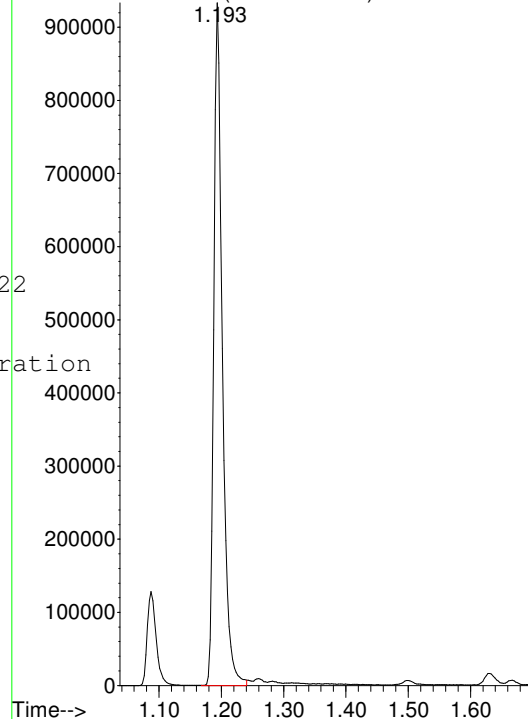
Manual Int. Results

Tue Aug 09 06:25:08 2022

MIuser: EEH
Reason: Incoret Integration
RT : 1.19
Area : 896006
Amount : 194.912

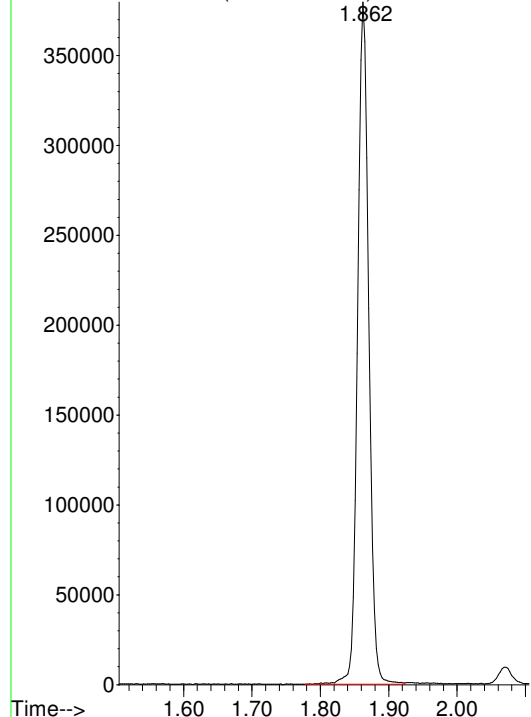
Manual Integration
CHLOROMETHANE

Abundance 50.00 (49.70 to 50.70): C22V21919.D



Original Integration
ETHANOL

Abundance 45.00 (44.70 to 45.70): C22V21919.D



Original Int. Results

RT : 1.86
Area : 430350
Amount : 5974.53

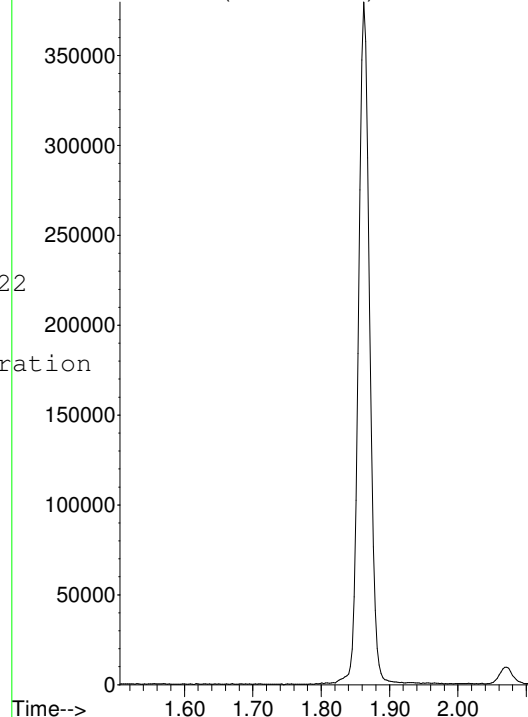
Manual Int. Results

Tue Aug 09 06:25:18 2022

MIuser: EEH
Reason: Incoret Integration
RT : 0.00
Area : 0
Amount : 0

Manual Integration
ETHANOL

Abundance 45.00 (44.70 to 45.70): C22V21919.D



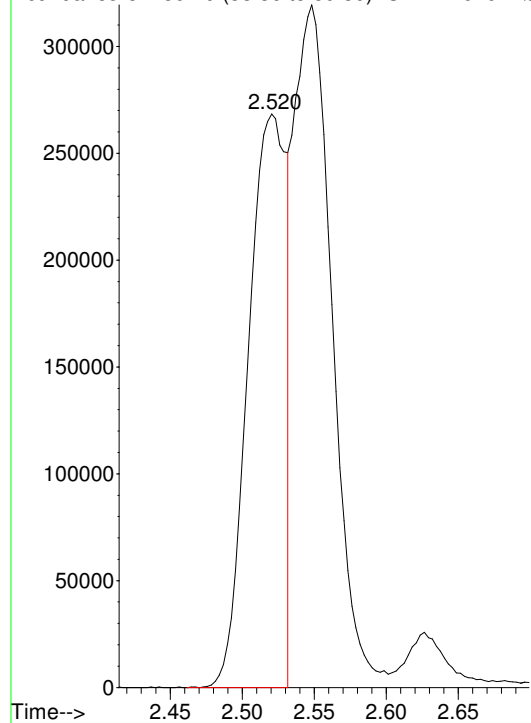
Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21919.D
Acq On : 8 Aug 2022 2:23 pm
Operator :
Sample : 8260STD 200PPB 2206105
Misc :

Quant Time : Tue Aug 09 06:41:16 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration

T-BUTYL ALCOHOL

Abundance on 59.10 (58.80 to 59.80): C22V21919.D



Original Int. Results

RT : 2.52
Area : 491853
Amount: 964.489

Manual Int. Results

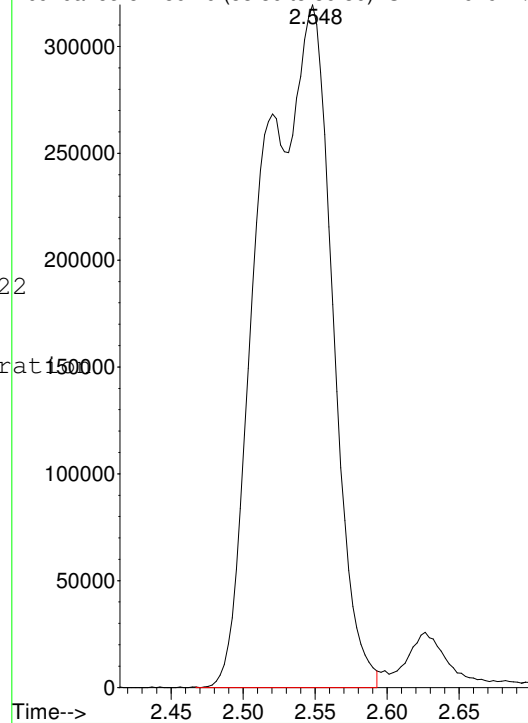
Tue Aug 09 06:25:30 2022

MIuser: EEH
Reason: Incoret Integrat
RT : 2.55
Area : 1.07973e+006
Amount: 2117.28

Manual Integration

T-BUTYL ALCOHOL

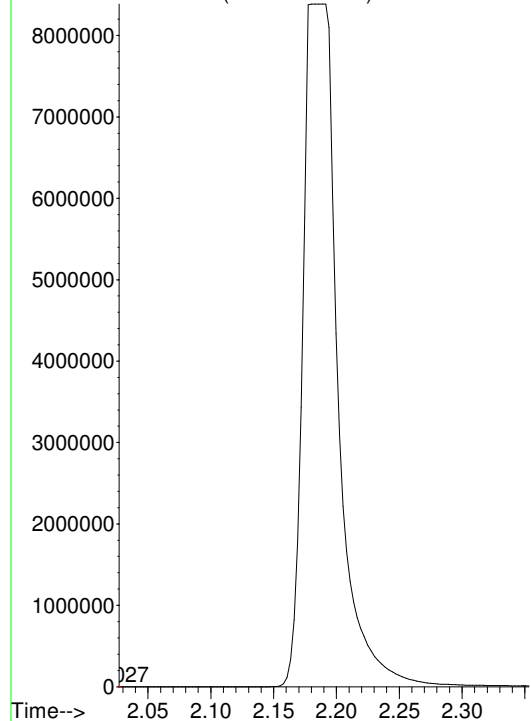
Abundance on 59.10 (58.80 to 59.80): C22V21919.D



Original Integration

CARBON DISULFIDE

Abundance on 76.00 (75.70 to 76.70): C22V21919.D



Original Int. Results

RT : 0.00
Area : 0
Amount: 0

Manual Int. Results

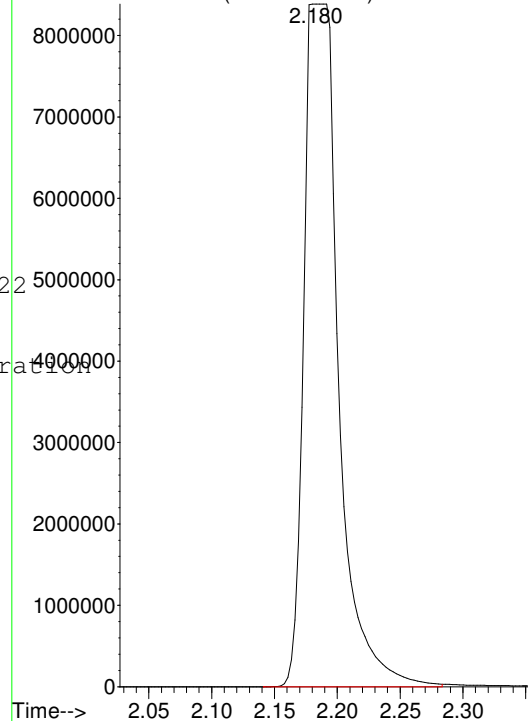
Tue Aug 09 06:25:35 2022

MIuser: EEH
Reason: Incoret Integrat
RT : 2.18
Area : 1.60956e+007
Amount: 2040.22

Manual Integration

CARBON DISULFIDE

Abundance on 76.00 (75.70 to 76.70): C22V21919.D



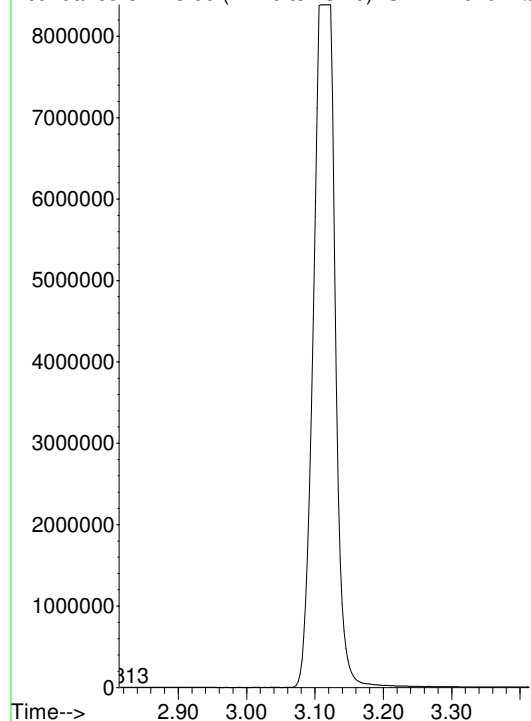
Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21919.D
Acq On : 8 Aug 2022 2:23 pm
Operator :
Sample : 8260STD 200PPB 2206105
Misc :

Quant Time : Tue Aug 09 06:41:16 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration

VINYL ACETATE

Abundance on 43.00 (42.70 to 43.70): C22V21919.D



Original Int. Results

RT : 0.00
Area : 0
Amount: 0

Manual Int. Results

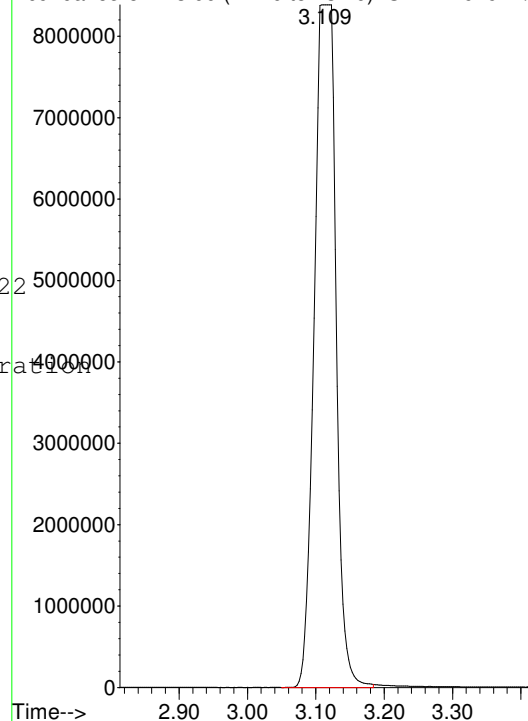
Tue Aug 09 06:25:41 2022

MIuser: EEH
Reason: Incorret Integration
RT : 3.11
Area : 1.84075e+007
Amount: 1690.09

Manual Integration

VINYL ACETATE

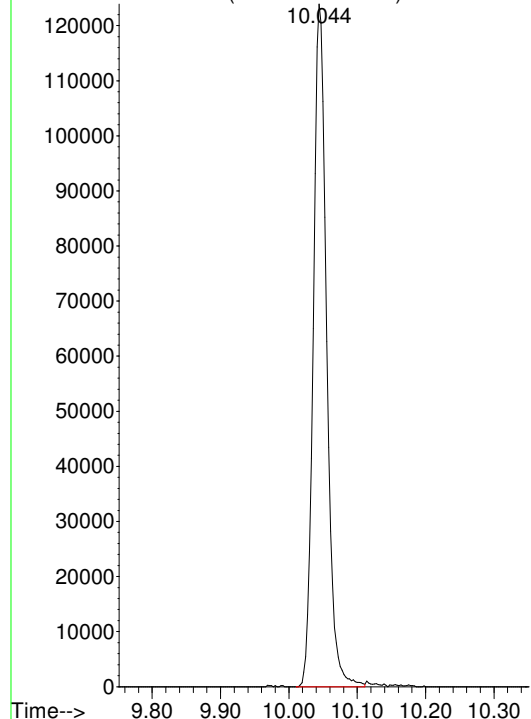
Abundance on 43.00 (42.70 to 43.70): C22V21919.D



Original Integration

1,4-DICHLOROBENZENE-D4-ISTD

Abundance on 152.00 (151.70 to 152.70): C22V21919.D



Original Int. Results

RT : 10.04
Area : 166653
Amount: 30

Manual Int. Results

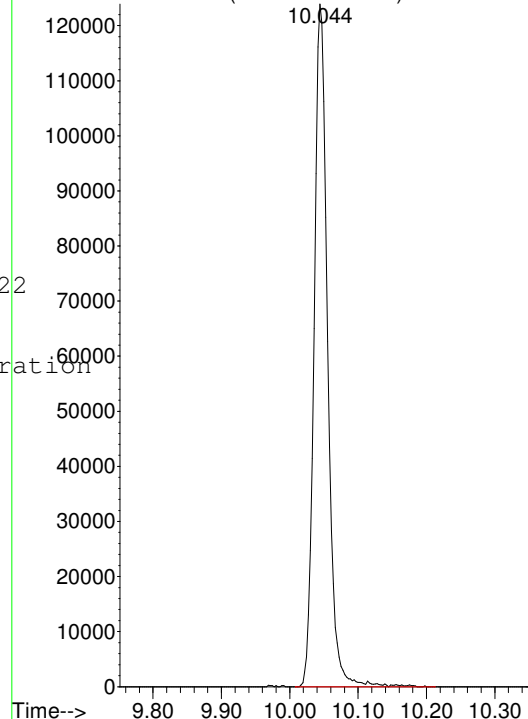
Tue Aug 09 06:41:16 2022

MIuser: EEH
Reason: Incorret Integration
RT : 10.04
Area : 168149
Amount: 30

Manual Integration

1,4-DICHLOROBENZENE-D4-ISTD

Abundance on 152.00 (151.70 to 152.70): C22V21919.D



Data Path : C:\msdchem\1\data\C080822\
 Data File : C22V21920.D
 Acq On : 8 Aug 2022 2:47 pm
 Operator :
 Sample : ETOH500PPB
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Inst : GCMSVOA3

Quant Time: Aug 09 06:27:05 2022
 Quant Method : C:\msdchem\1\methods\C051619.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Mon Aug 08 11:15:01 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	4.191	168	199302	30.00	UG/L	0.00
48) 1,4-DIFLUOROBENZENE - ...	4.916	114	294765	30.00	UG/L	0.00
70) CHLOROBENZENE-D5 ISTD	7.752	82	142873	30.00	UG/L	0.00
89) 1,4-DICHLOROETHANE-D4...	10.047	152	138986	30.00	UG/L	# 0.00
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.467	65	92689	24.72	UG/L	0.00
Spiked Amount 25.000	Range	70 - 130	Recovery	=	98.88%	
49) TOLUENE SS	6.352	98	290149	24.68	UG/L	0.00
Spiked Amount 25.000	Range	70 - 130	Recovery	=	98.72%	
71) 4-BROMOFLUOROBENZENE SS	8.909	95	106302	25.08	UG/L	0.00
Spiked Amount 25.000	Range	70 - 130	Recovery	=	100.32%	
Target Compounds						
					Qvalue	
3) DICHLORODIFLUOROMETHANE	1.087	85	1958	0.60	UG/L	96
4) DIFLUOROCHLOROMETHANE	1.095	51	506	0.13	UG/L	# 100
5) CHLOROMETHANE	1.199	50	3753	0.87	UG/L	# 28
6) VINYL CHLORIDE	1.266	62	1356	0.39	UG/L	# 39
7) BROMOMETHANE	1.452	94	1261	0.67	UG/L	87
8) CHLOROETHANE	1.516	64	714	0.37	UG/L	# 41
9) FLUORODICHLOROMETHANE	1.639	67	678	0.13	UG/L	# 43
10) TRICHLOROFLUOROMETHANE	1.678	101	2069	0.54	UG/L	97
11) ETHANOL	1.795	45	32962	485.26	UG/L	# 83
13) ACROLEIN	1.957	56	3773	4.60	UG/L	94
14) ACETONE	2.069	43	6097	4.88	UG/L	95
15) 1,1-DICHLOROETHENE	2.024	61	1963	0.51	UG/L	93
16) 1,1,2-TRICL-1,2,2-TRIF...	2.021	101	2074	0.98	UG/L	84
17) IODOMETHANE	2.147	142	7527	2.38	UG/L	96
20) METHYL ACETATE	2.322	43	1946	0.50	UG/L	# 64
21) T-BUTYL ALCOHOL	2.509	59	543	1.13	UG/L	# 53
23) METHYLENE CHLORIDE	2.400	49	975	0.24	UG/L	# 68
24) CARBON DISULFIDE	2.191	76	185929	24.99	UG/L	100
26) TRANS 1,2-DICHLOROETHENE	2.626	61	3347	0.84	UG/L	93
27) 1,1-DICHLOROETHANE	3.039	63	561	0.10	UG/L	# 51
28) VINYL ACETATE	3.120	43	9076	0.88	UG/L	100
31) 2-BUTANONE	3.692	43	7329	3.27	UG/L	# 94
33) CIS-1,2-DICHLOROETHENE	3.647	61	1494	0.32	UG/L	# 71
35) ETHYL ACETATE	3.756	43	2474	0.55	UG/L	# 71
40) CHLOROFORM	3.973	83	872	0.18	UG/L	97
41) 1,1,1-TRICHLOROETHANE	4.141	97	629	0.16	UG/L	# 1
42) CYCLOHEXANE	4.191	56	6247	1.33	UG/L	# 56
43) CARBON TETRACHLORIDE	4.305	117	791	0.24	UG/L	# 67
44) 1,1-DICHLOROPROPENE	4.311	75	2432	0.66	UG/L	94
45) BENZENE	4.525	78	2745	0.24	UG/L	# 1
50) 1,2-DICHLOROETHANE	4.551	62	638	0.16	UG/L	# 74
51) TRICHLOROETHENE	5.161	95	1815	0.70	UG/L	# 63
52) METHYLCYCLOHEXANE	5.334	83	3272	0.92	UG/L	95
54) DIBROMOMETHANE	5.499	93	626	0.32	UG/L	# 1
57) BROMODICHLOROMETHANE	5.658	83	621	0.17	UG/L	# 24
58) 2-CHLOROETHYL VINYLETHER	5.995	63	1110	0.73	UG/L	# 60
59) MIBK	6.274	43	14203	3.10	UG/L	97
60) CIS-1,3-DICHLOROPROPENE	6.115	75	1105	0.23	UG/L	# 51
61) TOLUENE	6.419	91	4377	0.38	UG/L	96
62) TRANS-1,3,-DICHLOROPRO...	6.659	75	1107	0.26	UG/L	# 48
65) 2-HEXANONE	7.099	43	16266	4.95	UG/L	87
66) TETRACHLOROETHENE	6.946	166	2966	1.12	UG/L	# 81
67) 1,3-DICHLOROPROPANE	6.988	76	917	0.18	UG/L	# 43

Data Path : C:\msdchem\1\data\C080822\
 Data File : C22V21920.D
 Acq On : 8 Aug 2022 2:47 pm
 Operator :
 Sample : ETOH500PPB
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Inst : GCMSVOA3

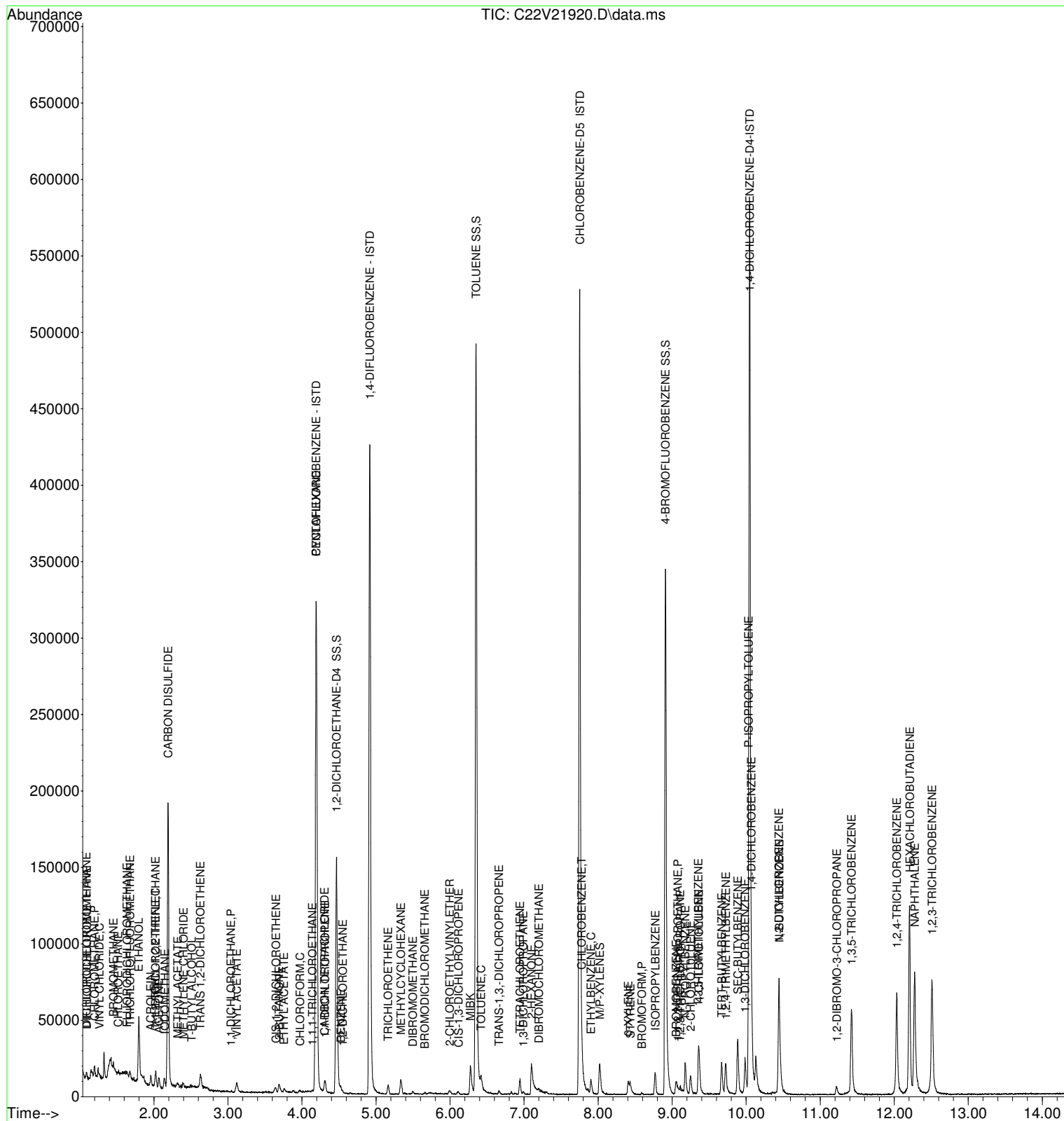
Quant Time: Aug 09 06:27:05 2022
 Quant Method : C:\msdchem\1\methods\C051619.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Mon Aug 08 11:15:01 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
68) DIBROMOCHLOROMETHANE	7.200	129	722	0.23	UG/L	96
72) CHLOROBENZENE	7.777	112	4175	0.59	UG/L #	89
74) ETHYLBENZENE	7.902	91	7172	0.59	UG/L	96
75) M/P-XYLENES	8.022	91	12711	1.38	UG/L	89
76) O-XYLENE	8.407	91	4974	0.53	UG/L	91
77) STYRENE	8.435	104	4121	0.54	UG/L	92
78) BROMOFORM	8.591	173	668	0.30	UG/L #	36
79) ISOPROPYLBENZENE	8.773	105	9405	0.86	UG/L	96
81) 1,1,2,2-TETRACHLOROETHANE	9.076	83	2512	0.60	UG/L #	95
83) BROMOBENZENE	9.054	77	3853	0.77	UG/L	88
84) 1,2,3-TRICHLOROPROPANE	9.107	75	1057	0.30	UG/L #	38
85) N-PROPYLBENZENE	9.177	91	16276	1.26	UG/L	96
86) 2-CHLOROTOLUENE	9.249	91	6155	0.75	UG/L	88
87) 1,3,5-TRIMETHYLBENZENE	9.355	105	10797	1.18	UG/L #	57
88) 4-CHLOROTOLUENE	9.361	91	10724	1.15	UG/L	99
90) TERT-BUTYLBENZENE	9.670	119	10477	1.40	UG/L	92
91) 1,2,4-TRIMETHYLBENZENE	9.726	105	11450	1.21	UG/L	100
92) SEC-BUTYLBENZENE	9.888	105	23009	2.17	UG/L	100
93) 1,3-DICHLOROBENZENE	9.986	146	10627	1.94	UG/L	97
94) P-ISOPROPYLTOLUENE	10.033	119	22412	2.46	UG/L	96
95) 1,4-DICHLOROBENZENE	10.069	146	10570	1.82	UG/L #	71
97) N-BUTYLBENZENE	10.448	91	34118	4.16	UG/L	99
98) 1,2-DICHLOROBENZENE	10.440	146	9828	1.77	UG/L	92
99) 1,2-DIBROMO-3-CHLOROPR...	11.221	75	1723	2.26	UG/L	89
100) 1,3,5-TRICHLOROBENZENE	11.422	180	19830	5.24	UG/L	98
101) 1,2,4-TRICHLOROBENZENE	12.035	180	23644	6.64	UG/L	99
102) HEXACHLOROBUTADIENE	12.208	225	25802	19.02	UG/L	96
103) NAPHTHALENE	12.275	128	77522	7.28	UG/L	99
104) 1,2,3-TRICHLOROBENZENE	12.509	180	30866	8.72	UG/L	93

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

137

Quant Time: Aug 09 06:27:05 2022
Quant Method : C:\msdchem\1\methods\C051619.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Mon Aug 08 11:15:01 2022
Response via : Initial Calibration



Data Path : C:\msdchem\1\data\C080822\
 Data File : C22V21921.D
 Acq On : 8 Aug 2022 3:11 pm
 Operator :
 Sample : ETOH1000PPB
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Inst : GCMSVOA3

Quant Time: Aug 09 06:27:24 2022
 Quant Method : C:\msdchem\1\methods\C051619.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Mon Aug 08 11:15:01 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	4.191	168	196471	30.00	UG/L	0.00
48) 1,4-DIFLUOROBENZENE - ...	4.916	114	292968	30.00	UG/L	0.00
70) CHLOROBENZENE-D5 ISTD	7.752	82	142427	30.00	UG/L	0.00
89) 1,4-DICHLOROBENZENE-D4...	10.047	152	135574	30.00	UG/L	# 0.00
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.467	65	93593	25.32	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	101.28%	
49) TOLUENE SS	6.352	98	287212	24.58	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	98.32%	
71) 4-BROMOFLUOROBENZENE SS	8.909	95	104742	24.79	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	99.16%	
Target Compounds						
					Qvalue	
3) DICHLORODIFLUOROMETHANE	1.087	85	837	0.26	UG/L	# 43
5) CHLOROMETHANE	1.199	50	2662	0.62	UG/L	# 32
6) VINYL CHLORIDE	1.263	62	509	0.15	UG/L	# 1
7) BROMOMETHANE	1.450	94	1472	0.79	UG/L	# 71
10) TRICHLOROFLUOROMETHANE	1.673	101	775	0.20	UG/L	# 79
11) ETHANOL	1.801	45	65128	972.62	UG/L	# 88
13) ACROLEIN	1.960	56	1154	1.43	UG/L	# 70
14) ACETONE	2.066	43	3193	2.59	UG/L	99
15) 1,1-DICHLOROETHENE	2.024	61	749	0.20	UG/L	# 28
16) 1,1,2-TRICL-1,2,2-TRIF...	2.021	101	968	0.46	UG/L	# 3
17) IODOMETHANE	2.144	142	5597	1.80	UG/L	91
20) METHYL ACETATE	2.320	43	1308	0.34	UG/L	# 64
24) CARBON DISULFIDE	2.189	76	78744	10.74	UG/L	100
26) TRANS 1,2-DICHLOROETHENE	2.638	61	1359	0.35	UG/L	# 52
28) VINYL ACETATE	3.123	43	2316	0.23	UG/L	# 78
31) 2-BUTANONE	3.695	43	2131	0.96	UG/L	# 61
33) CIS-1,2-DICHLOROETHENE	3.761	61	517	0.11	UG/L	# 20
35) ETHYL ACETATE	3.761	43	4059	0.91	UG/L	# 90
42) CYCLOHEXANE	4.188	56	4591	0.99	UG/L	# 28
44) 1,1-DICHLOROPROPENE	4.308	75	1018	0.28	UG/L	# 39
45) BENZENE	4.526	78	1317	0.12	UG/L	# 1
51) TRICHLOROETHENE	5.161	95	658	0.26	UG/L	# 37
52) METHYLCYCLOHEXANE	5.337	83	1173	0.33	UG/L	# 78
59) MIBK	6.285	43	4206	0.93	UG/L	# 91
61) TOLUENE	6.419	91	1644	0.15	UG/L	95
65) 2-HEXANONE	7.125	43	3306	1.01	UG/L	# 51
66) TETRACHLOROETHENE	6.949	166	1136	0.43	UG/L	# 61
72) CHLOROBENZENE	7.777	112	923	0.13	UG/L	# 1
74) ETHYLBENZENE	7.911	91	2546	0.21	UG/L	# 83
75) M/P-XYLENES	8.025	91	4476	0.49	UG/L	93
77) STYRENE	8.444	104	1378	0.18	UG/L	# 31
79) ISOPROPYLBENZENE	8.775	105	2993	0.27	UG/L	# 86
83) BROMOBENZENE	9.054	77	1070	0.21	UG/L	# 45
85) N-PROPYLBENZENE	9.185	91	5906	0.46	UG/L	# 86
86) 2-CHLOROTOLUENE	9.252	91	1232	0.15	UG/L	# 85
87) 1,3,5-TRIMETHYLBENZENE	9.361	105	3213	0.35	UG/L	# 60
88) 4-CHLOROTOLUENE	9.369	91	3904	0.42	UG/L	# 86
90) TERT-BUTYLBENZENE	9.671	119	2751	0.38	UG/L	90
91) 1,2,4-TRIMETHYLBENZENE	9.726	105	3715	0.40	UG/L	99
92) SEC-BUTYLBENZENE	9.885	105	5865	0.57	UG/L	# 73
93) 1,3-DICHLOROBENZENE	9.994	146	3476	0.65	UG/L	95
94) P-ISOPROPYLTOLUENE	10.036	119	6187	0.70	UG/L	# 80
95) 1,4-DICHLOROBENZENE	10.075	146	4181	0.74	UG/L	# 76

Data Path : C:\msdchem\1\data\C080822\
 Data File : C22V21921.D
 Acq On : 8 Aug 2022 3:11 pm
 Operator :
 Sample : ETOH1000PPB
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Inst : GCMSVOA3

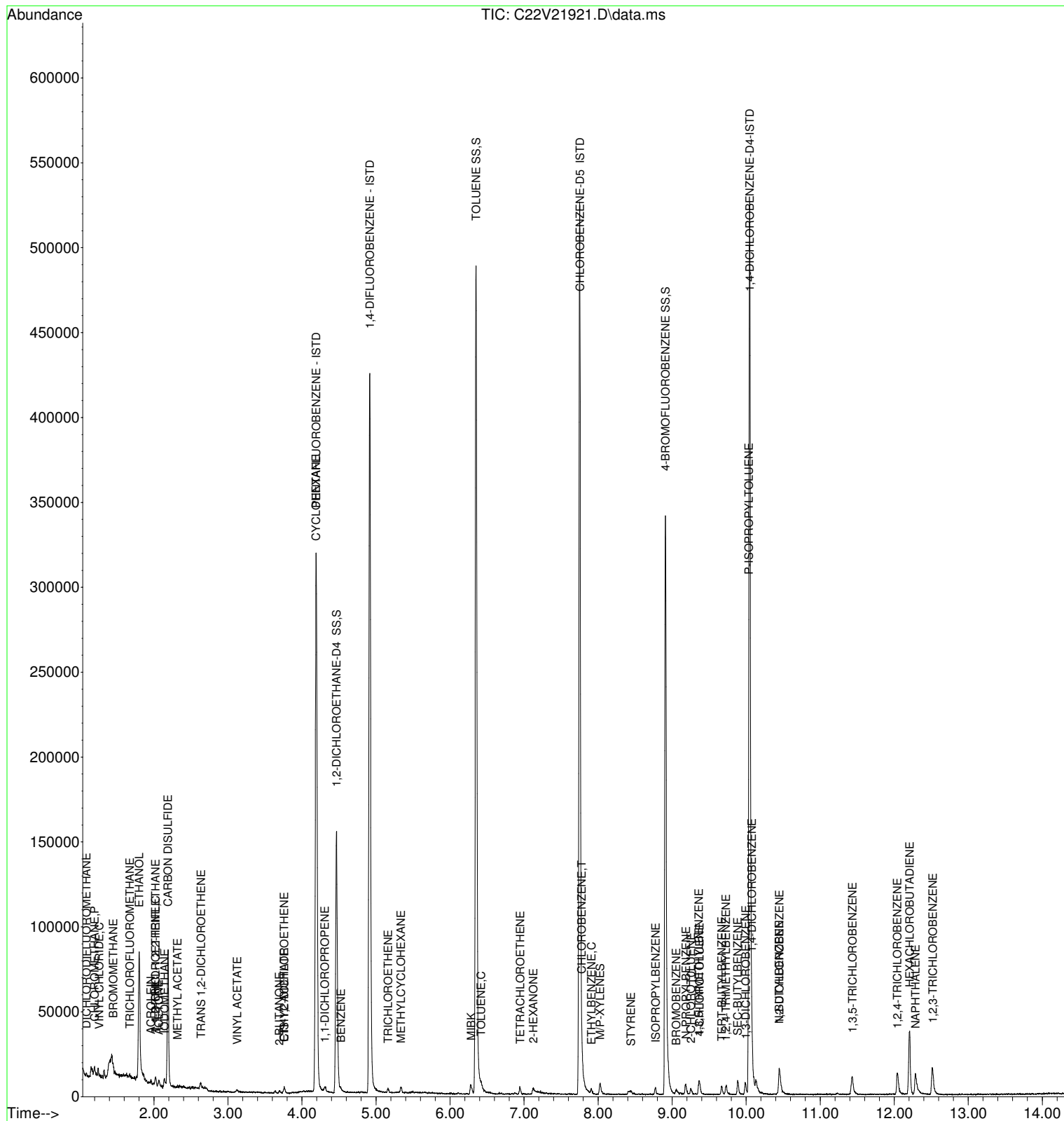
Quant Time: Aug 09 06:27:24 2022
 Quant Method : C:\msdchem\1\methods\C051619.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Mon Aug 08 11:15:01 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
97) N-BUTYLBENZENE	10.446	91	8550	1.07	UG/L #	89
98) 1,2-DICHLOROBENZENE	10.449	146	3114	0.58	UG/L #	79
100) 1,3,5-TRICHLOROBENZENE	11.436	180	5189	1.41	UG/L	100
101) 1,2,4-TRICHLOROBENZENE	12.038	180	5666	1.63	UG/L	88
102) HEXACHLOROBUTADIENE	12.205	225	8752	6.61	UG/L	96
103) NAPHTHALENE	12.284	128	13674	1.32	UG/L #	89
104) 1,2,3-TRICHLOROBENZENE	12.518	180	7072	2.05	UG/L	90

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

140

Quant Time: Aug 09 06:27:24 2022
Quant Method : C:\msdchem\1\methods\C051619.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Mon Aug 08 11:15:01 2022
Response via : Initial Calibration



Data Path : C:\msdchem\1\data\C080822\
 Data File : C22V21922.D
 Acq On : 8 Aug 2022 3:35 pm
 Operator :
 Sample : ETOH2000PPB
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Inst : GCMSVOA3

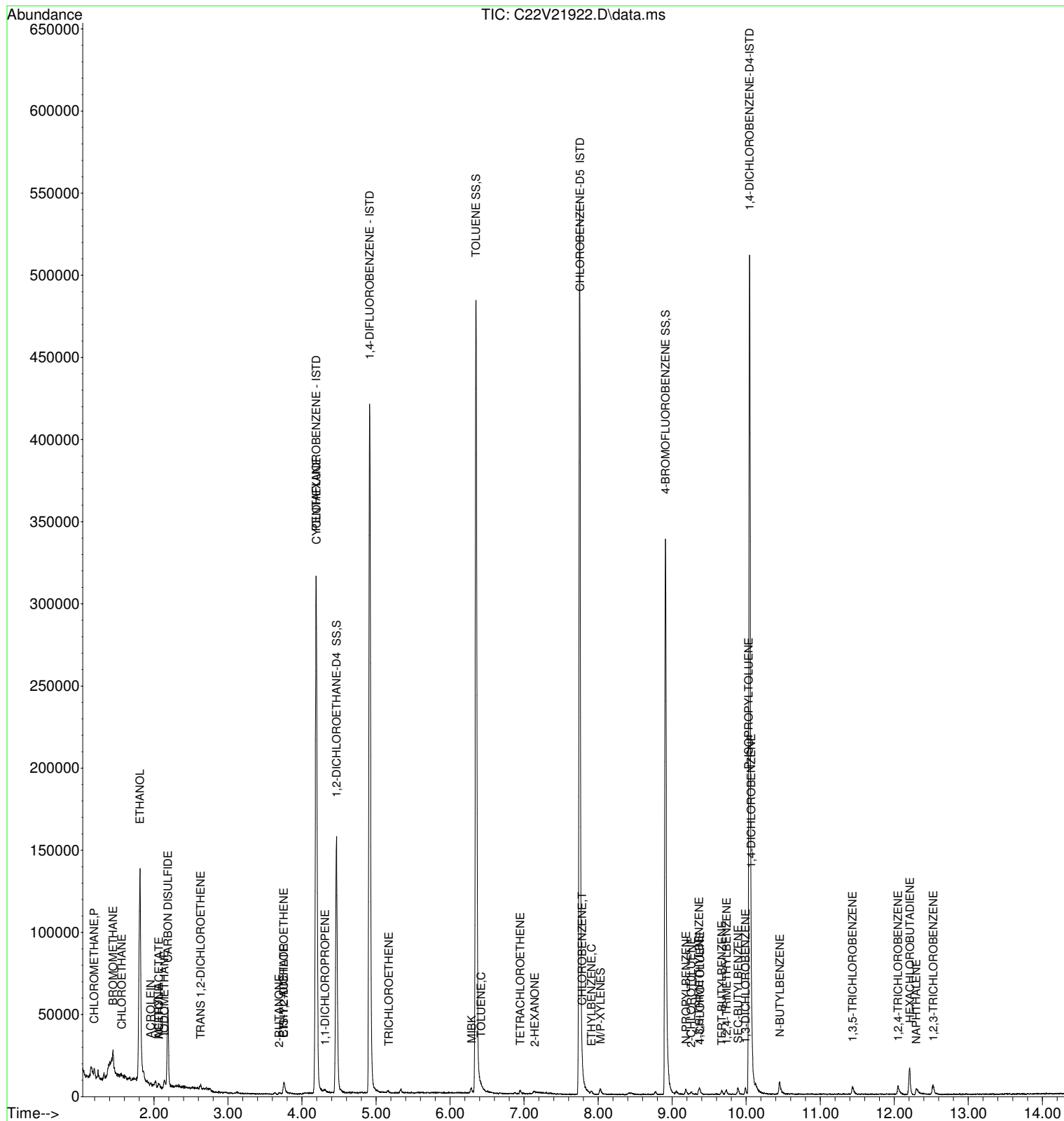
Quant Time: Aug 09 06:27:41 2022
 Quant Method : C:\msdchem\1\methods\C051619.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Mon Aug 08 11:15:01 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	4.191	168	194717	30.00	UG/L	0.00
48) 1,4-DIFLUOROBENZENE - ...	4.913	114	288866	30.00	UG/L	0.00
70) CHLOROBENZENE-D5 ISTD	7.752	82	140108	30.00	UG/L	0.00
89) 1,4-DICHLOROBENZENE-D4...	10.044	152	133200	30.00	UG/L	# 0.00
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.464	65	93586	25.55	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	102.20%		
49) TOLUENE SS	6.349	98	283603	24.62	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	98.48%		
71) 4-BROMOFLUOROBENZENE SS	8.909	95	103874	24.99	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	99.96%		
Target Compounds						
					Qvalue	
5) CHLOROMETHANE	1.193	50	2851	0.67	UG/L	# 41
7) BROMOMETHANE	1.447	94	1288	0.70	UG/L	# 87
8) CHLOROETHANE	1.567	64	562	0.30	UG/L	# 41
11) ETHANOL	1.812	45	133196	2007.06	UG/L	# 85
13) ACROLEIN	1.954	56	527	0.66	UG/L	# 46
14) ACETONE	2.066	43	2714	2.22	UG/L	# 91
17) IODOMETHANE	2.141	142	5800	1.88	UG/L	# 97
20) METHYL ACETATE	2.066	43	2714	0.72	UG/L	# 64
24) CARBON DISULFIDE	2.188	76	47451	6.53	UG/L	# 99
26) TRANS 1,2-DICHLOROETHENE	2.632	61	848	0.22	UG/L	# 67
31) 2-BUTANONE	3.691	43	1130	0.52	UG/L	# 61
33) CIS-1,2-DICHLOROETHENE	3.756	61	1103	0.24	UG/L	# 20
35) ETHYL ACETATE	3.753	43	7689	1.74	UG/L	# 97
42) CYCLOHEXANE	4.193	56	4121	0.90	UG/L	# 24
44) 1,1-DICHLOROPROPENE	4.311	75	577	0.16	UG/L	# 39
51) TRICHLOROETHENE	5.169	95	314	0.12	UG/L	# 1
59) MIBK	6.290	43	2185	0.49	UG/L	# 79
61) TOLUENE	6.419	91	1104	0.10	UG/L	# 21
65) 2-HEXANONE	7.141	43	909	0.28	UG/L	# 26
66) TETRACHLOROETHENE	6.949	166	626	0.24	UG/L	# 22
72) CHLOROBENZENE	7.782	112	908	0.13	UG/L	# 1
74) ETHYLBENZENE	7.908	91	1575	0.13	UG/L	# 42
75) M/P-XYLENES	8.031	91	2556	0.28	UG/L	# 76
85) N-PROPYLBENZENE	9.185	91	3341	0.26	UG/L	# 91
86) 2-CHLOROTOLUENE	9.255	91	1057	0.13	UG/L	# 39
87) 1,3,5-TRIMETHYLBENZENE	9.364	105	1676	0.19	UG/L	# 95
88) 4-CHLOROTOLUENE	9.375	91	2005	0.22	UG/L	# 92
90) TERT-BUTYLBENZENE	9.670	119	1329	0.18	UG/L	# 79
91) 1,2,4-TRIMETHYLBENZENE	9.734	105	2161	0.24	UG/L	# 86
92) SEC-BUTYLBENZENE	9.891	105	3475	0.34	UG/L	# 88
93) 1,3-DICHLOROBENZENE	9.991	146	1968	0.37	UG/L	# 66
94) P-ISOPROPYLTOLUENE	10.033	119	3115	0.36	UG/L	# 84
95) 1,4-DICHLOROBENZENE	10.066	146	2417	0.43	UG/L	# 77
97) N-BUTYLBENZENE	10.454	91	4043	0.51	UG/L	# 46
100) 1,3,5-TRICHLOROBENZENE	11.436	180	2605	0.72	UG/L	# 49
101) 1,2,4-TRICHLOROBENZENE	12.049	180	1601	0.47	UG/L	# 95
102) HEXACHLOROBUTADIENE	12.208	225	3802	2.92	UG/L	# 87
103) NAPHTHALENE	12.297	128	1765	0.17	UG/L	# 72
104) 1,2,3-TRICHLOROBENZENE	12.526	180	2865	0.84	UG/L	# 68

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

142

Quant Time: Aug 09 06:27:41 2022
Quant Method : C:\msdchem\1\methods\C051619.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Mon Aug 08 11:15:01 2022
Response via : Initial Calibration



Data Path : C:\msdchem\1\data\C080822\
 Data File : C22V21926.D
 Acq On : 8 Aug 2022 5:12 pm
 Operator :
 Sample : ICV 2208129
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Inst : GCMSVOA3

Quant Time: Aug 09 06:49:54 2022
 Quant Method : C:\msdchem\1\methods\C080822.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Tue Aug 09 06:47:59 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	4.193	168	189774	30.00	UG/L	0.00
48) 1,4-DIFLUOROBENZENE - ...	4.916	114	281536	30.00	UG/L	0.00
70) CHLOROBENZENE-D5 ISTD	7.752	82	138214	30.00	UG/L	0.00
89) 1,4-DICHLOROETHANE-D4...	10.047	152	136546	30.00	UG/L	# 0.00
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.467	65	88891	24.96	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	99.84%	
49) TOLUENE SS	6.352	98	277727	24.91	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	99.64%	
71) 4-BROMOFLUOROBENZENE SS	8.909	95	102198	24.94	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	99.76%	
Target Compounds						
3) DICHLORODIFLUOROMETHANE	1.090	85	24441	8.90	UG/L	97
4) DIFLUOROCHLOROMETHANE	1.093	51	29578	8.17	UG/L	# 100
5) CHLOROMETHANE	1.198	50	36170m	8.06	UG/L	
6) VINYL CHLORIDE	1.263	62	29514	8.94	UG/L	94
7) BROMOMETHANE	1.452	94	15899m	8.16	UG/L	
8) CHLOROETHANE	1.519	64	20717	9.09	UG/L	99
9) FLUORODICHLOROMETHANE	1.639	67	56239	10.58	UG/L	99
10) TRICHLOROFLUOROMETHANE	1.675	101	42573	10.53	UG/L	94
11) ETHANOL	1.801	45	6264	95.52	UG/L	# 82
12) DI ETHYL ETHER	1.865	59	28172m	11.99	UG/L	
13) ACROLEIN	1.957	56	89006	153.83	UG/L	100
14) ACETONE	2.069	43	116334	100.99	UG/L	94
15) 1,1-DICHLOROETHENE	2.027	61	41586	10.11	UG/L	99
16) 1,1,2-TRICL-1,2,2-TRIF...	2.021	101	26578	11.13	UG/L	89
17) IODOMETHANE	2.141	142	31157	9.09	UG/L	97
20) METHYL ACETATE	2.317	43	49693	11.08	UG/L	96
21) T-BUTYL ALCOHOL	2.509	59	44372	97.65	UG/L	# 99
22) ACRYLONITRILE	2.618	53	16286	11.39	UG/L	96
23) METHYLENE CHLORIDE	2.395	49	42231	10.39	UG/L	96
24) CARBON DISULFIDE	2.191	76	95591m	11.97	UG/L	
25) METHYL TERT-BUTYL ETHE...	2.640	73	98067	10.97	UG/L	96
26) TRANS 1,2-DICHLOROETHENE	2.632	61	41248	10.55	UG/L	95
27) 1,1-DICHLOROETHANE	3.045	63	54352	10.90	UG/L	99
28) VINYL ACETATE	3.111	43	822655	99.08	UG/L	98
29) DI ISOPROYL ETHER	3.128	45	113424	11.50	UG/L	97
31) 2-BUTANONE	3.675	43	179263	107.58	UG/L	97
32) T-BUTYL ETHYL ETHER	3.502	59	97575	11.15	UG/L	100
33) CIS-1,2-DICHLOROETHENE	3.641	61	47371	10.91	UG/L	94
34) 2,2-DICHLOROPROPANE	3.636	77	40028	10.39	UG/L	93
35) ETHYL ACETATE	3.750	43	37243	9.05	UG/L	98
38) BROMOCHLOROMETHANE	3.881	49	28286	11.79	UG/L	99
39) TETRAHYDROFURAN	3.945	42	11088	9.34	UG/L	# 80
40) CHLOROFORM	3.970	83	51878	10.80	UG/L	96
41) 1,1,1-TRICHLOROETHANE	4.143	97	43242	10.81	UG/L	96
42) CYCLOHEXANE	4.191	56	47912	10.70	UG/L	93
43) CARBON TETRACHLORIDE	4.308	117	35593	10.65	UG/L	97
44) 1,1-DICHLOROPROPENE	4.311	75	36982	10.68	UG/L	95
45) BENZENE	4.517	78	117993	11.19	UG/L	97
47) T-AMYL METHYL ETHER	4.651	73	90203	10.86	UG/L	96
50) 1,2-DICHLOROETHANE	4.542	62	43574	10.86	UG/L	98
51) TRICHLOROETHENE	5.158	95	28612	11.01	UG/L	92
52) METHYLCYCLOHEXANE	5.337	83	36996	11.92	UG/L	94
53) 1,2-DICHLOROPROPANE	5.381	63	32215	11.21	UG/L	# 99

Data Path : C:\msdchem\1\data\C080822\
 Data File : C22V21926.D
 Acq On : 8 Aug 2022 5:12 pm
 Operator :
 Sample : ICV 2208129
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Inst : GCMSVOA3

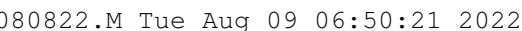
Quant Time: Aug 09 06:49:54 2022
 Quant Method : C:\msdchem\1\methods\C080822.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Tue Aug 09 06:47:59 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
54) DIBROMOMETHANE	5.493	93	20111	10.73	UG/L	95
56) 1,4-DIOXANE	5.538	88	4002	90.13	UG/L #	63
57) BROMODICHLOROMETHANE	5.660	83	41309	11.17	UG/L	97
59) MIBK	6.268	43	389646	100.97	UG/L	99
60) CIS-1,3-DICHLOROPROPENE	6.098	75	49439	11.13	UG/L	95
61) TOLUENE	6.416	91	124756	11.12	UG/L	98
62) TRANS-1,3,-DICHLOROPRO...	6.650	75	45740	11.94	UG/L	93
64) 1,1,2-TRICHLOROETHANE	6.820	97	29172	11.11	UG/L	94
65) 2-HEXANONE	7.085	43	277547	104.01	UG/L	99
66) TETRACHLOROETHENE	6.937	166	30129	11.43	UG/L	98
67) 1,3-DICHLOROPROPANE	6.979	76	51563	11.04	UG/L	99
68) DIBROMOCHLOROMETHANE	7.191	129	32115	10.17	UG/L	99
69) 1,2-DIBROMOETHANE	7.297	107	32069	11.42	UG/L	100
72) CHLOROBENZENE	7.780	112	81462	11.22	UG/L	94
73) 1,1,1,2-TETRACHLOROETHANE	7.863	131	29516	10.96	UG/L	97
74) ETHYLBENZENE	7.897	91	137483	11.71	UG/L	96
75) M/P-XYLENES	8.014	91	208536	22.74	UG/L	97
76) O-XYLENE	8.399	91	109906	11.39	UG/L	99
77) STYRENE	8.415	104	88231	11.38	UG/L	95
78) BROMOFORM	8.583	173	24384	10.11	UG/L #	96
79) ISOPROPYLBENZENE	8.764	105	124696	11.30	UG/L	98
81) 1,1,2,2-TETRACHLOROETHANE	9.068	83	46483	10.99	UG/L	93
82) 1,4-DICHLORO-2-BUTENE (...)	9.135	53	9616	8.71	UG/L #	80
83) BROMOBENZENE	9.048	77	54575	11.34	UG/L	93
84) 1,2,3-TRICHLOROPROPANE	9.104	75	34367	9.91	UG/L	100
85) N-PROPYLBENZENE	9.171	91	141646	11.48	UG/L	98
86) 2-CHLOROTOLUENE	9.244	91	91912	11.42	UG/L	97
87) 1,3,5-TRIMETHYLBENZENE	9.350	105	103276	11.42	UG/L	97
88) 4-CHLOROTOLUENE	9.355	91	101269	11.07	UG/L	98
90) TERT-BUTYLBENZENE	9.665	119	83076	11.36	UG/L	96
91) 1,2,4-TRIMETHYLBENZENE	9.718	105	101956	11.34	UG/L	99
92) SEC-BUTYLBENZENE	9.885	105	116837m	11.98	UG/L	
93) 1,3-DICHLOROBENZENE	9.980	146	62605	11.53	UG/L	98
94) P-ISOPROPYLTOLUENE	10.036	119	99302	11.84	UG/L	98
95) 1,4-DICHLOROBENZENE	10.072	146	62600	10.82	UG/L	96
96) 1,2,3-TRIMETHYLBENZENE	10.128	105	109442	10.98	UG/L #	100
97) N-BUTYLBENZENE	10.443	91	78874	11.18	UG/L	95
98) 1,2-DICHLOROBENZENE	10.434	146	62162	11.25	UG/L	99
99) 1,2-DIBROMO-3-CHLOROPR...	11.215	75	8035	10.70	UG/L	89
100) 1,3,5-TRICHLOROBENZENE	11.419	180	38892	11.53	UG/L	100
101) 1,2,4-TRICHLOROBENZENE	12.032	180	32526	10.52	UG/L	97
102) HEXACHLOROBUTADIENE	12.205	225	14795	11.39	UG/L	95
103) NAPHTHALENE	12.275	128	87171	9.41	UG/L	100
104) 1,2,3-TRICHLOROBENZENE	12.512	180	31367	10.38	UG/L	99

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

145

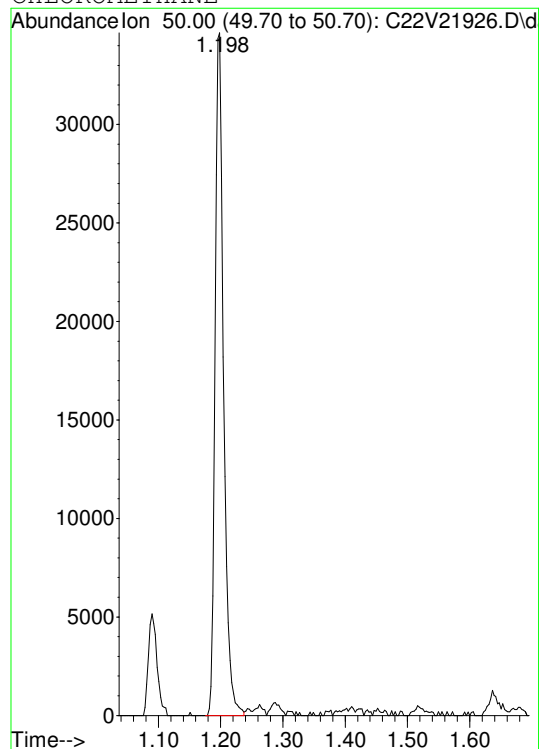
Quant Time: Aug 09 06:49:54 2022
Quant Method : C:\msdchem\1\methods\C080822.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Tue Aug 09 06:47:59 2022
Response via : Initial Calibration



Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21926.D
Acq On : 8 Aug 2022 5:12 pm
Operator :
Sample : ICV 2208129
Misc :

Quant Time : Tue Aug 09 06:49:54 2022
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Tue Aug 09 06:47:59 2022

Original Integration
CHLOROMETHANE



Original Int. Results

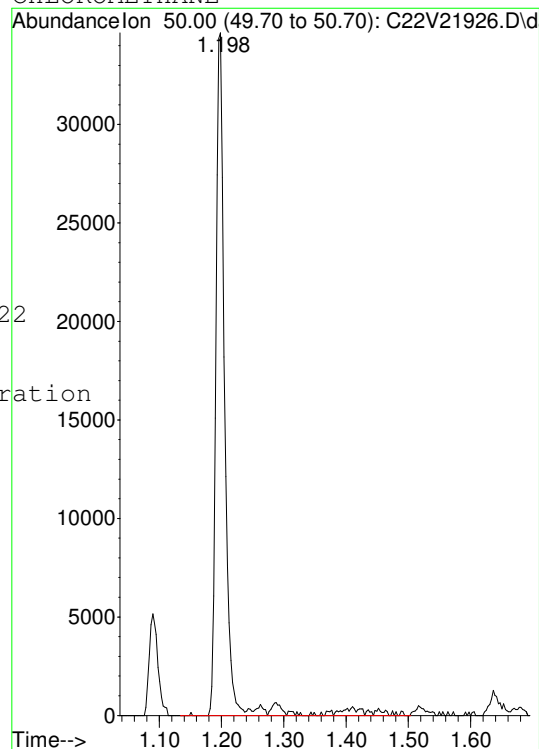
RT : 1.20
Area : 33011
Amount: 7.35473

Manual Int. Results

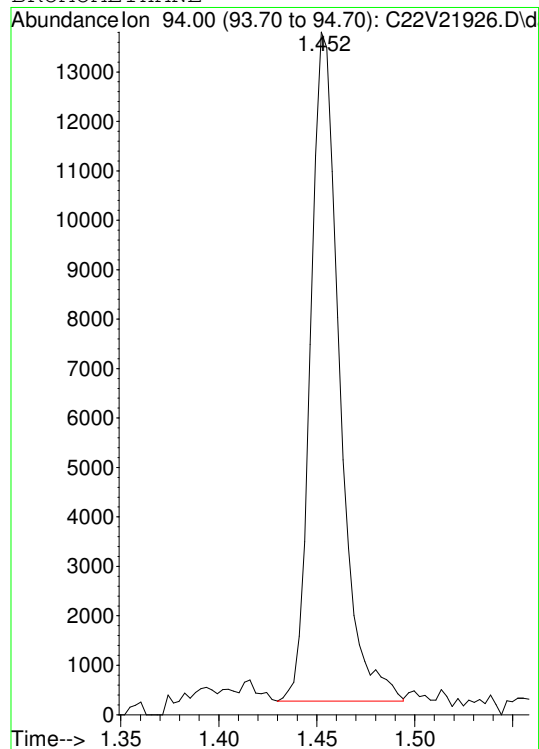
Tue Aug 09 06:49:07 2022

MIuser: EEH
Reason: Incoret Integration
RT : 1.20
Area : 36170
Amount: 8.05854

Manual Integration
CHLOROMETHANE



Original Integration
BROMOMETHANE



Original Int. Results

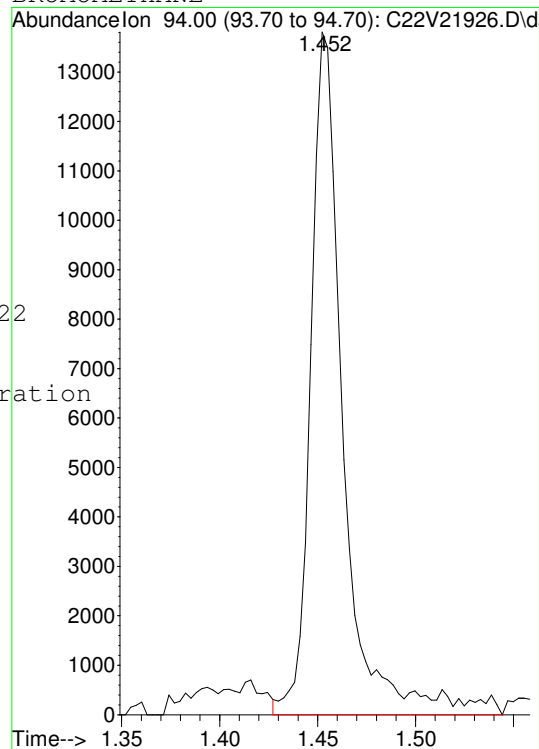
RT : 1.45
Area : 13859
Amount: 7.11414

Manual Int. Results

Tue Aug 09 06:49:20 2022

MIuser: EEH
Reason: Incoret Integration
RT : 1.45
Area : 15899
Amount: 8.16132

Manual Integration
BROMOMETHANE



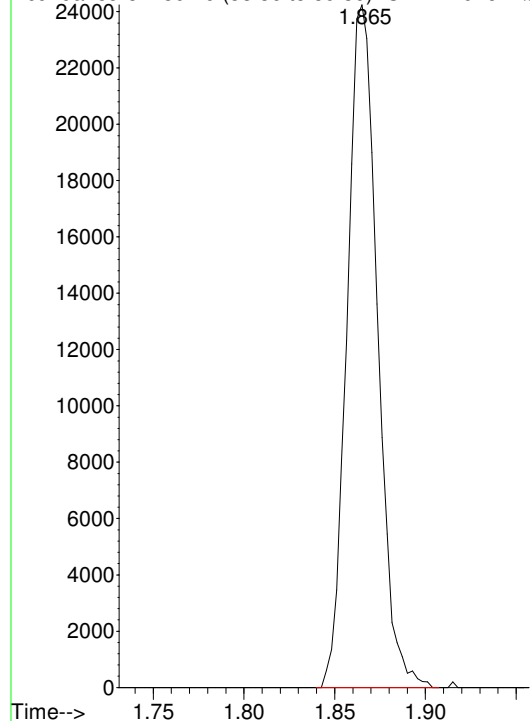
Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21926.D
Acq On : 8 Aug 2022 5:12 pm
Operator :
Sample : ICV 2208129
Misc :

Quant Time : Tue Aug 09 06:49:54 2022
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Tue Aug 09 06:47:59 2022

Original Integration

DI ETHYL ETHER

Abundance on 59.10 (58.80 to 59.80): C22V21926.D



Original Int. Results

RT : 1.86
Area : 28303
Amount: 12.0481

Manual Int. Results

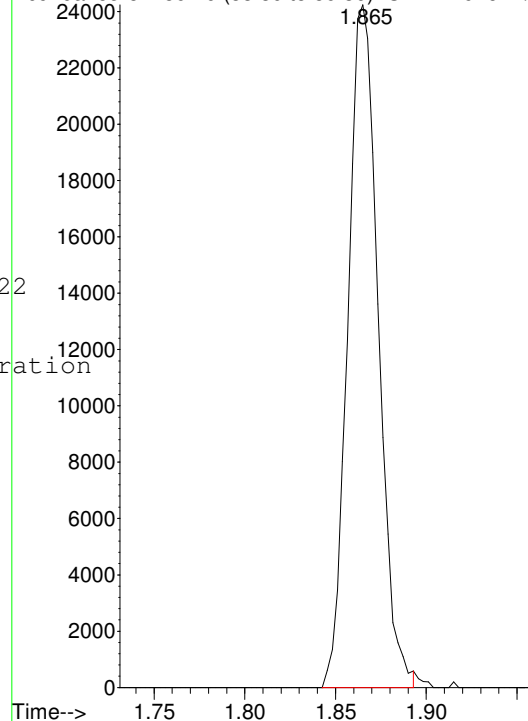
Tue Aug 09 06:49:54 2022

MIuser: EEH
Reason: Incoret Integration
RT : 1.86
Area : 28172
Amount: 11.9924

Manual Integration

DI ETHYL ETHER

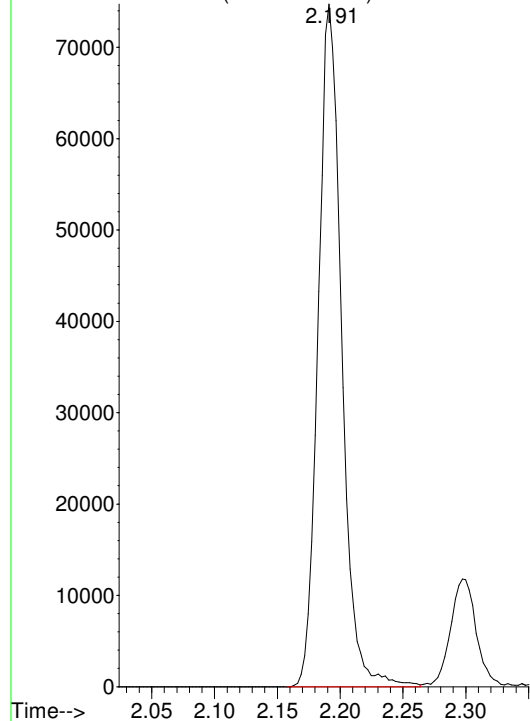
Abundance on 59.10 (58.80 to 59.80): C22V21926.D



Original Integration

CARBON DISULFIDE

Abundance on 76.00 (75.70 to 76.70): C22V21926.D



Original Int. Results

RT : 2.19
Area : 97000
Amount: 12.1458

Manual Int. Results

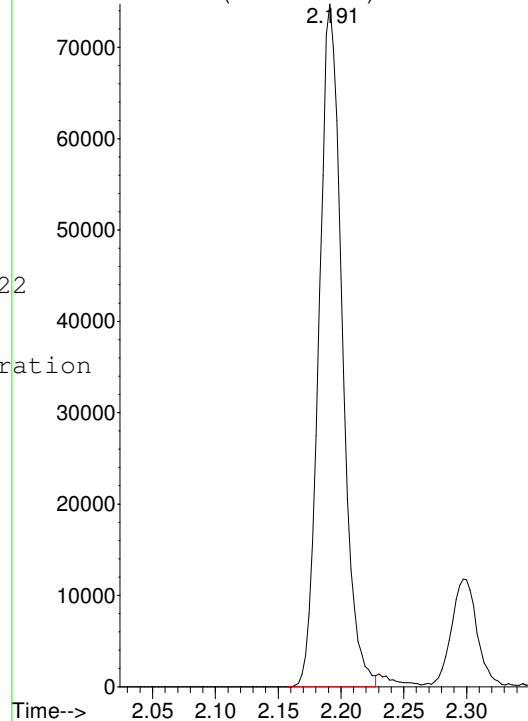
Tue Aug 09 06:49:28 2022

MIuser: EEH
Reason: Incoret Integration
RT : 2.19
Area : 95591
Amount: 11.9694

Manual Integration

CARBON DISULFIDE

Abundance on 76.00 (75.70 to 76.70): C22V21926.D



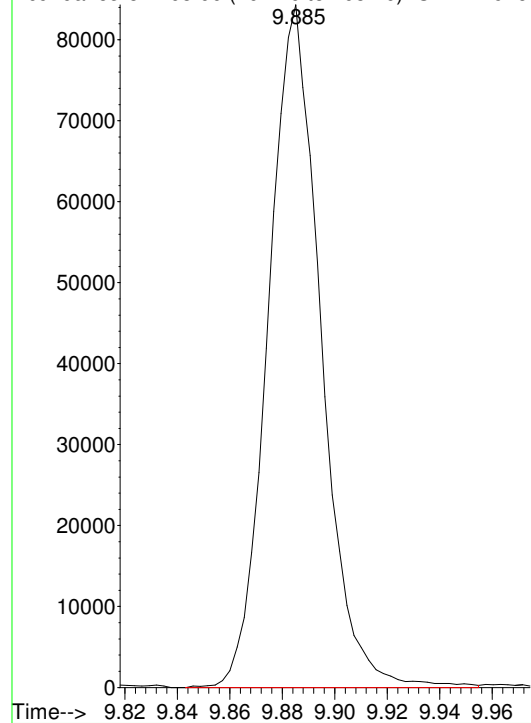
Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21926.D
Acq On : 8 Aug 2022 5:12 pm
Operator :
Sample : ICV 2208129
Misc :

Quant Time : Tue Aug 09 06:49:54 2022
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Tue Aug 09 06:47:59 2022

Original Integration

SEC-BUTYLBENZENE

Abundance on 105.00 (104.70 to 105.70): C22V21926.I



Original Int. Results

RT : 9.89
Area : 117544
Amount: 12.0487

Manual Int. Results

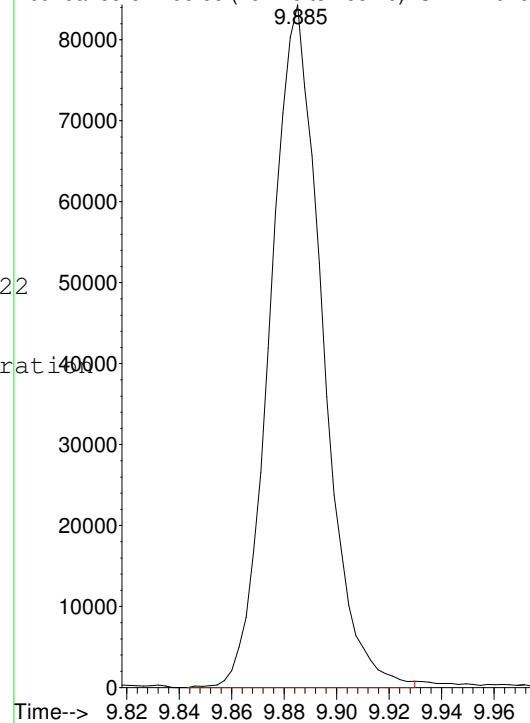
Tue Aug 09 06:49:35 2022

MIuser: EEH
Reason: Incoret Integrati
RT : 9.89
Area : 116837
Amount: 11.9763

Manual Integration

SEC-BUTYLBENZENE

Abundance on 105.00 (104.70 to 105.70): C22V21926.I



INITIAL CALIBRATION VERIFICATION

SW-846 8260D

Laboratory:	Pace New England	Work Order:	23F4049
Client:	NYDEC_AECOM - Amherst, NY	Project:	C.A.E. Electronics_CAT B - CO 147580
Instrument ID:	GCMSVOA3	Calibration:	2200537
Lab File ID:	C22V21926.D	Calibration Date:	08/08/22 10:18
Sequence:	S075427	Injection Date:	08/08/22
Lab Sample ID:	S075427-ICV1	Injection Time:	17:12

COMPOUND	TYPE	CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Acetone	A	100	101	0.1820924	0.183904		1.0	30
Acrolein	A	100	154	9.146822E-02	0.1407032		53.8	30 *
Acrylonitrile	A	10.0	11.4	0.22594	0.2574536		13.9	30
tert-Amyl Methyl Ether (TAME)	A	10.0	10.9	1.312452	1.425954		8.6	30
Benzene	A	10.0	11.2	1.667645	1.865266		11.9	30
Bromobenzene	A	10.0	11.3	1.045039	1.184576		13.4	30
Bromochloromethane	A	10.0	11.8	0.3793018	0.4471529		17.9	30
Bromodichloromethane	A	10.0	11.2	0.3940258	0.4401817		11.7	30
Bromoform	A	10.0	10.1	0.5234936	0.5292662		1.1	30
Bromomethane	A	10.0	8.16	0.3079598	0.2513358		-18.4	30
2-Butanone (MEK)	A	100	108	0.2634095	0.2833839		7.6	30
tert-Butyl Alcohol (TBA)	A	100	97.6	7.183306E-02	7.014449E-02		-2.4	30
n-Butylbenzene	A	10.0	11.2	1.549707	1.732911		11.8	30
sec-Butylbenzene	A	10.0	12.0	2.143392	2.566981		19.8	30
tert-Butylbenzene	A	10.0	11.4	1.606643	1.825231		13.6	30
tert-Butyl Ethyl Ether (TBEE)	A	10.0	11.2	1.383365	1.542493		11.5	30
Carbon Disulfide	A	10.0	12.0	1.250483	1.511129		20.8	30
Carbon Tetrachloride	A	10.0	10.6	0.528229	0.562664		6.5	30
Chlorobenzene	A	10.0	11.2	1.57638	1.768171		12.2	30
Chlorodibromomethane	A	10.0	10.2	0.3363907	0.342212		1.7	30
Chloroethane	A	10.0	9.09	0.3601205	0.3275001		-9.1	30
Chloroform	A	10.0	10.8	0.7591359	0.8201018		8.0	30
Chloromethane	A	10.0	8.06	0.7095398	0.5717854		-19.4	30
2-Chlorotoluene	A	10.0	11.4	1.746367	1.994993		14.2	30
4-Chlorotoluene	A	10.0	11.1	1.985163	2.198091		10.7	30
Cyclohexane	A	10.0	10.7	0.7080121	0.7574062		7.0	30
1,2-Dibromo-3-chloropropane (DBCP)	A	10.0	10.7	0.1649304	0.1765339		7.0	30
1,2-Dibromoethane (EDB)	A	10.0	11.4	0.299296	0.3417218		14.2	30
Dibromomethane	A	10.0	10.7	0.1997103	0.2142994		7.3	30

INITIAL CALIBRATION VERIFICATION

SW-846 8260D

Laboratory:	Pace New England	Work Order:	23F4049
Client:	NYDEC_AECOM - Amherst, NY	Project:	C.A.E. Electronics_CAT B - CO 147580
Instrument ID:	GCMSVOA3	Calibration:	2200537
Lab File ID:	C22V21926.D	Calibration Date:	08/08/22 10:18
Sequence:	S075427	Injection Date:	08/08/22
Lab Sample ID:	S075427-ICV1	Injection Time:	17:12

COMPOUND	TYPE	CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
1,2-Dichlorobenzene	A	10.0	11.2	1.213634	1.365738		12.5	30
1,3-Dichlorobenzene	A	10.0	11.5	1.193097	1.375471		15.3	30
1,4-Dichlorobenzene	A	10.0	10.8	1.270795	1.375361		8.2	30
trans-1,4-Dichloro-2-butene	A	10.0	8.71	0.239735	0.2087198		-12.9	30
Dichlorodifluoromethane (Freon 12)	A	10.0	8.90	0.4341094	0.3863701		-11.0	30
1,1-Dichloroethane	A	10.0	10.9	0.787926	0.8592115		9.0	30
1,2-Dichloroethane	A	10.0	10.9	0.4276246	0.4643172		8.6	30
1,1-Dichloroethylene	A	10.0	10.1	0.6503172	0.657403		1.1	30
cis-1,2-Dichloroethylene	A	10.0	10.9	0.6864345	0.7488539		9.1	30
trans-1,2-Dichloroethylene	A	10.0	10.6	0.6178868	0.6520598		5.5	30
Dichlorofluoromethane (Freon 21)	A	10.0	10.6	0.8403159	0.8890417		5.8	30
1,2-Dichloropropane	A	10.0	11.2	0.306328	0.3432776		12.1	30
1,3-Dichloropropane	A	10.0	11.0	0.4974963	0.5494466		10.4	30
2,2-Dichloropropane	A	10.0	10.4	0.6088295	0.6327737		3.9	30
1,1-Dichloropropene	A	10.0	10.7	0.5473735	0.5846217		6.8	30
cis-1,3-Dichloropropene	A	10.0	11.1	0.4734604	0.5268136		11.3	30
trans-1,3-Dichloropropene	A	10.0	11.9	0.4080538	0.4873977		19.4	30
Diethyl Ether	A	10.0	12.0	0.3713617	0.4453508		19.9	30
Difluorochloromethane (Freon 22)	A	10.0	8.17	0.5720824	0.4675772		-18.3	30
Diisopropyl Ether (DIPE)	A	10.0	11.5	1.558552	1.793038		15.0	30
1,4-Dioxane	A	100	90.1	4.731593E-03	4.264464E-03		-9.9	30
Ethanol	A	100	95.5	1.036708E-02	9.902305E-03		-4.5	30
Ethyl Acetate	A	10.0	9.05	0.6506099	0.5887477		-9.5	30
Ethylbenzene	A	10.0	11.7	2.549064	2.984133		17.1	30
Hexachlorobutadiene	A	10.0	11.4	0.2852952	0.3250553		13.9	30
2-Hexanone (MBK)	A	100	104	0.2843475	0.2957494		4.0	30
Iodomethane	A	10.0	9.09	0.5420061	0.4925385		-9.1	30
Isopropylbenzene (Cumene)	A	10.0	11.3	2.395221	2.706585		13.0	30

INITIAL CALIBRATION VERIFICATION

SW-846 8260D

Laboratory:	Pace New England	Work Order:	23F4049
Client:	NYDEC_AECOM - Amherst, NY	Project:	C.A.E. Electronics_CAT B - CO 147580
Instrument ID:	GCMSVOA3	Calibration:	2200537
Lab File ID:	C22V21926.D	Calibration Date:	08/08/22 10:18
Sequence:	S075427	Injection Date:	08/08/22
Lab Sample ID:	S075427-ICV1	Injection Time:	17:12

COMPOUND	TYPE	CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
p-Isopropyltoluene (p-Cymene)	A	10.0	11.8	1.842122	2.181726		18.4	30
Methyl Acetate	A	10.0	11.1	0.7088624	0.7855607		10.8	30
Methyl tert-Butyl Ether (MTBE)	A	10.0	11.0	1.412808	1.55027		9.7	30
Methyl Cyclohexane	A	10.0	11.9	0.3308172	0.3942231		19.2	30
Methylene Chloride	A	10.0	10.4	0.6427786	0.6675994		3.9	30
4-Methyl-2-pentanone (MIBK)	A	100	101	0.4112112	0.4152002		1.0	30
Naphthalene	A	10.0	9.41	2.035952	1.915201		-5.9	30
n-Propylbenzene	A	10.0	11.5	2.678168	3.074493		14.8	30
Styrene	A	10.0	11.4	1.683114	1.915095		13.8	30
1,1,1,2-Tetrachloroethane	A	10.0	11.0	0.5844025	0.6406587		9.6	30
1,1,2,2-Tetrachloroethane	A	10.0	11.0	0.9177436	1.008935		9.9	30
Tetrachloroethylene	A	10.0	11.4	0.2808079	0.3210495		14.3	30
Tetrahydrofuran	A	10.0	9.34	0.1875945	0.1752822		-6.6	30
Toluene	A	10.0	11.1	1.195157	1.329379		11.2	30
1,2,3-Trichlorobenzene	A	10.0	10.4	0.6638408	0.6891524		3.8	30
1,2,4-Trichlorobenzene	A	10.0	10.5	0.6791191	0.7146163		5.2	30
1,3,5-Trichlorobenzene	A	10.0	11.5	0.7413149	0.8544813		15.3	30
1,1,1-Trichloroethane	A	10.0	10.8	0.6322124	0.6835815		8.1	30
1,1,2-Trichloroethane	A	10.0	11.1	0.2797054	0.3108519		11.1	30
Trichloroethylene	A	10.0	11.0	0.2768359	0.3048846		10.1	30
Trichlorofluoromethane (Freon 11)	A	10.0	10.5	0.6391431	0.6730058		5.3	30
1,2,3-Trichloropropane	A	10.0	9.91	0.7526804	0.7459519		-0.9	30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	A	10.0	11.1	0.377547	0.4201524		11.3	30
1,2,4-Trimethylbenzene	A	10.0	11.3	1.974771	2.240036		13.4	30
1,3,5-Trimethylbenzene	A	10.0	11.4	1.963624	2.241654		14.2	30
Vinyl Acetate	A	100	99.1	1.31257	1.300476		-0.9	30
Vinyl Chloride	A	10.0	8.94	0.5221577	0.4665655		-10.6	30
m+p Xylene	A	20.0	22.7	1.99021	2.263186		13.7	30

INITIAL CALIBRATION VERIFICATION

SW-846 8260D

Laboratory:	Pace New England	Work Order:	23F4049
Client:	NYDEC_AECOM - Amherst, NY	Project:	C.A.E. Electronics_CAT B - CO 147580
Instrument ID:	GCMSVOA3	Calibration:	2200537
Lab File ID:	C22V21926.D	Calibration Date:	08/08/22 10:18
Sequence:	S075427	Injection Date:	08/08/22
Lab Sample ID:	S075427-ICV1	Injection Time:	17:12

COMPOUND	TYPE	CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
o-Xylene	A	10.0	11.4	2.094658	2.385562		13.9	30
1,2-Dichloroethane-d4	A	25.0	25.0	0.5629535	0.5620854		-0.2	
Toluene-d8	A	25.0	24.9	1.188132	1.183765		-0.4	
4-Bromofluorobenzene	A	25.0	24.9	0.8894447	0.8873023		-0.2	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CONTINUING CALIBRATION VERIFICATION

SW-846 8260D

Laboratory:	Pace New England	Work Order:	23F4049
Client:	NYDEC_AECOM - Amherst, NY	Project:	C.A.E. Electronics_CAT B - CO 147580
Instrument ID:	GCMSVOA3	Calibration:	2200537
Lab File ID:	C22V18427.D	Calibration Date:	08/08/22 10:18
Sequence:	S089997	Injection Date:	07/03/23
Lab Sample ID:	S089997-CCV1	Injection Time:	18:28

COMPOUND	TYPE	CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	100	82.8	0.1820924	0.1507433		-17.2	20
Benzene	A	10.0	10.4	1.667645	1.73979		4.3	20
Bromochloromethane	A	10.0	10.8	0.3793018	0.4101903		8.1	20
Bromodichloromethane	A	10.0	9.74	0.3940258	0.3837683		-2.6	20
Bromoform	A	10.0	8.35	0.5234936	0.437255		-16.5	20
Bromomethane	A	10.0	12.2	0.3079598	0.3773463		22.5	20 *
2-Butanone (MEK)	A	100	92.5	0.2634095	0.2435371		-7.5	20
Carbon Disulfide	A	100	95.4	1.250483	1.193271		-4.6	20
Carbon Tetrachloride	A	10.0	7.38	0.528229	0.3897802		-26.2	20 *
Chlorobenzene	A	10.0	10.6	1.57638	1.664934		5.6	20
Chlorodibromomethane	A	10.0	8.63	0.3363907	0.2902485		-13.7	20
Chloroethane	A	10.0	9.72	0.3601205	0.3501943		-2.8	20
Chloroform	A	10.0	9.95	0.7591359	0.7554663		-0.5	20
Chloromethane	A	10.0	9.75	0.7095398	0.6914915		-2.5	20
Cyclohexane	A	10.0	9.98	0.7080121	0.7065043		-0.2	20
1,2-Dibromo-3-chloropropane (DBCP)	A	10.0	7.89	0.1649304	0.1300874		-21.1	20 *
1,2-Dibromoethane (EDB)	A	10.0	9.68	0.299296	0.2896367		-3.2	20
1,2-Dichlorobenzene	A	10.0	10.2	1.213634	1.238606		2.1	20
1,3-Dichlorobenzene	A	10.0	10.4	1.193097	1.246921		4.5	20
1,4-Dichlorobenzene	A	10.0	10.2	1.270795	1.299682		2.3	20
Dichlorodifluoromethane (Freon 12)	A	10.0	11.0	0.4341094	0.4773887		10.0	20
1,1-Dichloroethane	A	10.0	9.81	0.787926	0.7728185		-1.9	20
1,2-Dichloroethane	A	10.0	9.28	0.4276246	0.3968535		-7.2	20
1,1-Dichloroethylene	A	10.0	9.38	0.6503172	0.6102566		-6.2	20
cis-1,2-Dichloroethylene	A	10.0	9.58	0.6864345	0.6576713		-4.2	20
trans-1,2-Dichloroethylene	A	10.0	9.38	0.6178868	0.5795494		-6.2	20
1,2-Dichloropropane	A	10.0	10.3	0.306328	0.3141466		2.6	20
cis-1,3-Dichloropropene	A	10.0	9.85	0.4734604	0.4661506		-1.5	20
trans-1,3-Dichloropropene	A	10.0	9.46	0.4080538	0.3860032		-5.4	20

CONTINUING CALIBRATION VERIFICATION

SW-846 8260D

Laboratory:	Pace New England	Work Order:	23F4049
Client:	NYDEC_AECOM - Amherst, NY	Project:	C.A.E. Electronics_CAT B - CO 147580
Instrument ID:	GCMSVOA3	Calibration:	2200537
Lab File ID:	C22V18427.D	Calibration Date:	08/08/22 10:18
Sequence:	S089997	Injection Date:	07/03/23
Lab Sample ID:	S089997-CCV1	Injection Time:	18:28

COMPOUND	TYPE	CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,4-Dioxane	A	100	88.9	4.731593E-03	4.206518E-03		-11.1	20
Ethylbenzene	A	10.0	10.0	2.549064	2.56005		0.4	20
2-Hexanone (MBK)	A	100	77.1	0.2843475	0.2192983		-22.9	20 *
Isopropylbenzene (Cumene)	A	10.0	9.41	2.395221	2.255036		-5.9	20
Methyl Acetate	A	10.0	8.72	0.7088624	0.6179933		-12.8	20
Methyl tert-Butyl Ether (MTBE)	A	10.0	8.87	1.412808	1.253376		-11.3	20
Methyl Cyclohexane	A	10.0	10.8	0.3308172	0.3572356		8.0	20
Methylene Chloride	A	10.0	9.42	0.6427786	0.6053567		-5.8	20
4-Methyl-2-pentanone (MIBK)	A	100	83.8	0.4112112	0.3447384		-16.2	20
Styrene	A	10.0	9.44	1.683114	1.589531		-5.6	20
1,1,2,2-Tetrachloroethane	A	10.0	9.82	0.9177436	0.9008874		-1.8	20
Tetrachloroethylene	A	10.0	10.4	0.2808079	0.2935323		4.5	20
Toluene	A	10.0	10.3	1.195157	1.227906		2.7	20
1,2,3-Trichlorobenzene	A	10.0	8.19	0.6638408	0.5437507		-18.1	20
1,2,4-Trichlorobenzene	A	10.0	7.78	0.6791191	0.5284208		-22.2	20 *
1,1,1-Trichloroethane	A	10.0	9.82	0.6322124	0.6209037		-1.8	20
1,1,2-Trichloroethane	A	10.0	10.1	0.2797054	0.2826445		1.1	20
Trichloroethylene	A	10.0	10.5	0.2768359	0.2901111		4.8	20
Trichlorofluoromethane (Freon 11)	A	10.0	9.60	0.6391431	0.613296		-4.0	20
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	A	10.0	10.0	0.377547	0.3788568		0.3	20
Vinyl Chloride	A	10.0	10.7	0.5221577	0.5595262		7.2	20
m+p Xylene	A	20.0	19.4	1.99021	1.928041		-3.1	20
o-Xylene	A	10.0	9.27	2.094658	1.941365		-7.3	20
1,2-Dichloroethane-d4	A	25.0	23.1	0.5629535	0.520434		-7.6	
Toluene-d8	A	25.0	24.3	1.188132	1.156948		-2.6	
4-Bromofluorobenzene	A	25.0	23.1	0.8894447	0.822169		-7.6	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Data Path : C:\msdchem\1\data\C070323\
 Data File : C22V18427.D
 Acq On : 3 Jul 2023 6:28 pm
 Operator :
 Sample : BFB/8260 STD 10PPB 2305304
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Inst : GCMSVOA3

Quant Time: Jul 05 07:12:36 2023
 Quant Method : C:\msdchem\1\methods\C080822.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Fri Apr 21 09:50:20 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	4.289	168	162861	30.00	UG/L	0.00
48) 1,4-DIFLUOROBENZENE - ...	5.011	114	240270	30.00	UG/L	0.00
70) CHLOROBENZENE-D5 ISTD	7.841	82	110208	30.00	UG/L	0.00
89) 1,4-DICHLOROETHANE-D4...	10.139	152	110764	30.00	UG/L	# 0.00
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.562	65	70632	23.11	UG/L	0.00
Spiked Amount 25.000	Range	70 - 130	Recovery	=	92.44%	
49) TOLUENE SS	6.444	98	231650	24.34	UG/L	0.00
Spiked Amount 25.000	Range	70 - 130	Recovery	=	97.36%	
71) 4-BROMOFLUOROBENZENE SS	8.999	95	75508	23.11	UG/L	0.00
Spiked Amount 25.000	Range	70 - 130	Recovery	=	92.44%	
Target Compounds						
					Qvalue	
3) DICHLORODIFLUOROMETHANE	1.124	85	25916	11.00	UG/L	100
4) DIFLUOROCHLOROMETHANE	1.132	51	32242	10.38	UG/L	# 100
5) CHLOROMETHANE	1.238	50	37539	9.75	UG/L	# 25
6) VINYL CHLORIDE	1.305	62	30375	10.72	UG/L	98
7) BROMOMETHANE	1.503	94	20485	12.25	UG/L	95
8) CHLOROETHANE	1.570	64	19011	9.72	UG/L	97
9) FLUORODICHLOROMETHANE	1.692	67	43273	9.49	UG/L	100
10) TRICHLOROFLUOROMETHANE	1.737	101	33294	9.60	UG/L	95
11) ETHANOL	1.863	45	3629	64.48	UG/L	# 83
12) DI ETHYL ETHER	1.932	59	19282	9.56	UG/L	98
13) ACROLEIN	2.024	56	55092	110.95	UG/L	99
14) ACETONE	2.139	43	81834	82.78	UG/L	94
15) 1,1-DICHLOROETHENE	2.094	61	33129	9.38	UG/L	96
16) 1,1,2-TRICL-1,2,2-TRIF...	2.094	101	20567	10.03	UG/L	88
17) IODOMETHANE	2.214	142	251996	85.64	UG/L	100
20) METHYL ACETATE	2.395	43	33549	8.72	UG/L	95
21) T-BUTYL ALCOHOL	2.593	59	26522	68.01	UG/L	# 96
22) ACRYLONITRILE	2.702	53	10746	8.76	UG/L	93
23) METHYLENE CHLORIDE	2.479	49	32863	9.42	UG/L	95
24) CARBON DISULFIDE	2.267	76	647791	95.42	UG/L	99
25) METHYL TERT-BUTYL ETHE...	2.738	73	68042	8.87	UG/L	96
26) TRANS 1,2-DICHLOROETHENE	2.724	61	31462	9.38	UG/L	97
27) 1,1-DICHLOROETHANE	3.145	63	41954	9.81	UG/L	98
28) VINYL ACETATE	3.215	43	604434	84.83	UG/L	99
29) DI ISOPROYL ETHER	3.237	45	81277	9.61	UG/L	95
31) 2-BUTANONE	3.778	43	132209	92.46	UG/L	95
32) T-BUTYL ETHYL ETHER	3.617	59	68638	9.14	UG/L	98
33) CIS-1,2-DICHLOROETHENE	3.739	61	35703	9.58	UG/L	98
34) 2,2-DICHLOROPROPANE	3.736	77	26851	8.12	UG/L	91
35) ETHYL ACETATE	3.848	43	29020	8.22	UG/L	98
38) BROMOCHLOROMETHANE	3.976	49	22268	10.81	UG/L	99
39) TETRAHYDROFURAN	4.052	42	9378	9.21	UG/L	91
40) CHLOROFORM	4.068	83	41012	9.95	UG/L	98
41) 1,1,1-TRICHLOROETHANE	4.241	97	33707	9.82	UG/L	93
42) CYCLOHEXANE	4.294	56	38354	9.98	UG/L	94
43) CARBON TETRACHLORIDE	4.406	117	21160	7.38	UG/L	93
44) 1,1-DICHLOROPROPENE	4.411	75	29718	10.00	UG/L	96
45) BENZENE	4.615	78	94448	10.43	UG/L	99
47) T-AMYL METHYL ETHER	4.760	73	65450	9.19	UG/L	97
50) 1,2-DICHLOROETHANE	4.640	62	31784	9.28	UG/L	100
51) TRICHLOROETHENE	5.253	95	23235	10.48	UG/L	93
52) METHYLCYCLOHEXANE	5.440	83	28611	10.80	UG/L	95
53) 1,2-DICHLOROPROPANE	5.477	63	25160	10.26	UG/L	99

Data Path : C:\msdchem\1\data\C070323\
 Data File : C22V18427.D
 Acq On : 3 Jul 2023 6:28 pm
 Operator :
 Sample : BFB/8260 STD 10PPB 2305304
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Inst : GCMSVOA3

Quant Time: Jul 05 07:12:36 2023
 Quant Method : C:\msdchem\1\methods\C080822.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Fri Apr 21 09:50:20 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
54) DIBROMOMETHANE	5.583	93	15530	9.71	UG/L	96
56) 1,4-DIOXANE	5.636	88	3369	88.90	UG/L #	81
57) BROMODICHLOROMETHANE	5.750	83	30736	9.74	UG/L	95
58) 2-CHLOROETHYL VINYLETHYR	6.065	63	23299	17.84	UG/L	89
59) MIBK	6.366	43	276101	83.83	UG/L	99
60) CIS-1,3-DICHLOROPROPENE	6.190	75	37334	9.85	UG/L	95
61) TOLUENE	6.508	91	98343	10.27	UG/L	95
62) TRANS-1,3,-DICHLOROPRO...	6.737	75	30915	9.46	UG/L	94
64) 1,1,2-TRICHLOROETHANE	6.910	97	22637	10.11	UG/L	96
65) 2-HEXANONE	7.180	43	175636	77.12	UG/L	99
66) TETRACHLOROETHENE	7.035	166	23509	10.45	UG/L	98
67) 1,3-DICHLOROPROPANE	7.069	76	39359	9.88	UG/L	99
68) DIBROMOCHLOROMETHANE	7.284	129	23246	8.63	UG/L	100
69) 1,2-DIBROMOETHANE	7.387	107	23197	9.68	UG/L	98
72) CHLOROBENZENE	7.869	112	61163	10.56	UG/L	94
73) 1,1,1,2-TETRACHLOROETHANE	7.953	131	21990	10.24	UG/L	97
74) ETHYLBENZENE	7.986	91	94046	10.04	UG/L	97
75) M/P-XYLENES	8.106	91	141657	19.38	UG/L	100
76) O-XYLENE	8.491	91	71318	9.27	UG/L	99
77) STYRENE	8.505	104	58393	9.44	UG/L	97
78) BROMOFORM	8.672	173	16063	8.35	UG/L #	90
79) ISOPROPYLBENZENE	8.859	105	82841	9.41	UG/L	99
81) 1,1,2,2-TETRACHLOROETHANE	9.155	83	33095	9.82	UG/L	95
82) 1,4-DICHLORO-2-BUTENE (...)	9.213	53	6483	7.36	UG/L	88
83) BROMOBENZENE	9.138	77	37468	9.76	UG/L	98
84) 1,2,3-TRICHLOROPROPANE	9.191	75	25985	9.40	UG/L	98
85) N-PROPYLBENZENE	9.264	91	93315	9.48	UG/L	97
86) 2-CHLOROTOLUENE	9.336	91	64095	9.99	UG/L	99
87) 1,3,5-TRIMETHYLBENZENE	9.442	105	69986	9.70	UG/L	96
88) 4-CHLOROTOLUENE	9.445	91	70007	9.60	UG/L	100
90) TERT-BUTYLBENZENE	9.760	119	52960	8.93	UG/L	97
91) 1,2,4-TRIMETHYLBENZENE	9.810	105	65962	9.05	UG/L	98
92) SEC-BUTYLBENZENE	9.980	105	73210	9.25	UG/L	98
93) 1,3-DICHLORO BENZENE	10.072	146	46038	10.45	UG/L	98
94) P-ISOPROPYLTOLUENE	10.128	119	63025	9.27	UG/L	99
95) 1,4-DICHLORO BENZENE	10.161	146	47986	10.23	UG/L	99
96) 1,2,3-TRIMETHYLBENZENE	10.223	105	74700	9.24	UG/L #	100
97) N-BUTYLBENZENE	10.535	91	54199	9.47	UG/L	95
98) 1,2-DICHLORO BENZENE	10.527	146	45731	10.21	UG/L	99
99) 1,2-DIBROMO-3-CHLOROPR...	11.302	75	4803	7.89	UG/L	90
100) 1,3,5-TRICHLORO BENZENE	11.511	180	26594	9.72	UG/L	99
101) 1,2,4-TRICHLORO BENZENE	12.125	180	19510	7.78	UG/L	98
102) HEXACHLOROBUTADIENE	12.303	225	11718	11.12	UG/L	94
103) NAPHTHALENE	12.365	128	49307	6.56	UG/L	99
104) 1,2,3-TRICHLORO BENZENE	12.604	180	20076	8.19	UG/L	98

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

157

Inst : GCMSVOA3



8 - FORM VIII

INTERNAL STANDARD AREA AND RT SUMMARY

158

SW-846 8260D

Laboratory:	Pace New England	Work Order:	23F4049
Client:	NYDEC_AECOM - Amherst, NY	Project:	C.A.E. Electronics_CAT B - CO 147580
Sequence:	S089997	Instrument:	GCMSVOA3
		Calibration:	2200537

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (S089997-CCV1)			<i>Lab File ID: C22V18427.D</i>			<i>Analyzed: 07/03/23 18:28</i>			
Pentafluorobenzene	162861	4.289	194546	4.193	84	50 - 200	0.0960	+/-0.50	
1,4-Difluorobenzene	240270	5.011	287477	4.916	84	50 - 200	0.0950	+/-0.50	
Chlorobenzene-d5	110208	7.841	141910	7.749	78	50 - 200	0.0920	+/-0.50	
1,4-Dichlorobenzene-d4	110764	10.139	139616	10.047	79	50 - 200	0.0920	+/-0.50	
LCS (B344878-BS1)			<i>Lab File ID: C22V18429.D</i>			<i>Analyzed: 07/03/23 19:21</i>			
Pentafluorobenzene	157596	4.292	162861	4.289	97	50 - 200	0.0030	+/-0.50	
1,4-Difluorobenzene	233511	5.011	240270	5.011	97	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	107495	7.841	110208	7.841	98	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	109371	10.136	110764	10.139	99	50 - 200	-0.0030	+/-0.50	
LCS Dup (B344878-BSD1)			<i>Lab File ID: C22V18430.D</i>			<i>Analyzed: 07/03/23 19:48</i>			
Pentafluorobenzene	158970	4.289	162861	4.289	98	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene	232061	5.008	240270	5.011	97	50 - 200	-0.0030	+/-0.50	
Chlorobenzene-d5	107174	7.844	110208	7.841	97	50 - 200	0.0030	+/-0.50	
1,4-Dichlorobenzene-d4	107087	10.139	110764	10.139	97	50 - 200	0.0000	+/-0.50	
Blank (B344878-BLK1)			<i>Lab File ID: C22V18432.D</i>			<i>Analyzed: 07/03/23 20:41</i>			
Pentafluorobenzene	154381	4.292	162861	4.289	95	50 - 200	0.0030	+/-0.50	
1,4-Difluorobenzene	220298	5.011	240270	5.011	92	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	102127	7.842	110208	7.841	93	50 - 200	0.0010	+/-0.50	
1,4-Dichlorobenzene-d4	90720	10.139	110764	10.139	82	50 - 200	0.0000	+/-0.50	
EB-06272023 (23F4049-01.)			<i>Lab File ID: C22V18434.D</i>			<i>Analyzed: 07/03/23 21:35</i>			
Pentafluorobenzene	157444	4.292	162861	4.289	97	50 - 200	0.0030	+/-0.50	
1,4-Difluorobenzene	220666	5.011	240270	5.011	92	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	101432	7.844	110208	7.841	92	50 - 200	0.0030	+/-0.50	
1,4-Dichlorobenzene-d4	88501	10.139	110764	10.139	80	50 - 200	0.0000	+/-0.50	

QC DATA

1 - FORM I

ANALYSIS DATA SHEET

160

Blank

Laboratory:	Pace New England	Work Order:	23F4049
Client:	NYDEC_AECOM - Amherst, NY	Project:	C.A.E. Electronics_CAT B - CO 147580
Matrix:	Water	Laboratory ID:	B344878-BLK1
		File ID:	C22V18432.D
Sampled:		Prepared:	07/02/23 07:16
		Analyzed:	07/03/23 20:41
Solids:		Preparation:	SW-846 5030B
		Dilution:	
Batch:	B344878	Sequence:	S089997
		Calibration:	2200537
		Instrument:	GCMSVOA3
Column:	1		

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone		2.0	50	
71-43-2	Benzene		0.18	1.0	
74-97-5	Bromochloromethane		0.28	1.0	
75-27-4	Bromodichloromethane		0.16	0.50	
75-25-2	Bromoform		0.41	1.0	
74-83-9	Bromomethane		1.3	2.0	
78-93-3	2-Butanone (MEK)		1.7	20	
75-15-0	Carbon Disulfide		1.6	5.0	
56-23-5	Carbon Tetrachloride		0.16	5.0	V-05
108-90-7	Chlorobenzene		0.12	1.0	
124-48-1	Chlorodibromomethane		0.20	0.50	
75-00-3	Chloroethane		0.34	2.0	
67-66-3	Chloroform		0.14	2.0	
74-87-3	Chloromethane		0.50	2.0	
110-82-7	Cyclohexane		1.8	5.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.85	5.0	V-05
106-93-4	1,2-Dibromoethane (EDB)		0.16	0.50	
95-50-1	1,2-Dichlorobenzene		0.13	1.0	
541-73-1	1,3-Dichlorobenzene		0.14	1.0	
106-46-7	1,4-Dichlorobenzene		0.13	1.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.16	2.0	
75-34-3	1,1-Dichloroethane		0.14	1.0	
107-06-2	1,2-Dichloroethane		0.30	1.0	
75-35-4	1,1-Dichloroethylene		0.14	1.0	
156-59-2	cis-1,2-Dichloroethylene		0.14	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.17	1.0	
78-87-5	1,2-Dichloropropane		0.19	1.0	
10061-01-5	cis-1,3-Dichloropropene		0.16	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.14	0.50	
123-91-1	1,4-Dioxane		18	50	

1 - FORM I

ANALYSIS DATA SHEET

161

Blank

Laboratory:	Pace New England	Work Order:	23F4049
Client:	NYDEC_AECOM - Amherst, NY	Project:	C.A.E. Electronics_CAT B - CO 147580
Matrix:	Water	Laboratory ID:	B344878-BLK1
		File ID:	C22V18432.D
Sampled:		Prepared:	07/02/23 07:16
		Analyzed:	07/03/23 20:41
Solids:		Preparation:	SW-846 5030B
		Dilution:	
Batch:	B344878	Sequence:	S089997
		Calibration:	2200537
		Instrument:	GCMSVOA3
Column:	1		

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
100-41-4	Ethylbenzene		0.22	1.0	
591-78-6	2-Hexanone (MBK)		1.2	10	V-05
98-82-8	Isopropylbenzene (Cumene)		0.15	1.0	
79-20-9	Methyl Acetate		0.61	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.17	1.0	
108-87-2	Methyl Cyclohexane		0.16	1.0	
75-09-2	Methylene Chloride		0.18	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.3	10	
100-42-5	Styrene		0.15	1.0	
79-34-5	1,1,2,2-Tetrachloroethane		0.14	0.50	
127-18-4	Tetrachloroethylene		0.17	1.0	
108-88-3	Toluene		0.22	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.34	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.30	1.0	V-05
71-55-6	1,1,1-Trichloroethane		0.15	1.0	
79-00-5	1,1,2-Trichloroethane		0.19	1.0	
79-01-6	Trichloroethylene		0.17	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.15	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)		0.21	1.0	
75-01-4	Vinyl Chloride		0.24	2.0	
108383/106423	m+p Xylene		0.49	2.0	
95-47-6	o-Xylene		0.24	1.0	
1330-20-7	Xylenes (total)		1.0	1.0	

Data Path : C:\msdchem\1\data\C070323\
 Data File : C22V18432.D
 Acq On : 3 Jul 2023 8:41 pm
 Operator :
 Sample : B0-BLK1
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Inst : GCMSVOA3

Quant Time: Jul 05 07:27:18 2023
 Quant Method : C:\msdchem\1\methods\C080822.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Fri Apr 21 09:50:20 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	4.292	168	154381	30.00	UG/L	0.00
48) 1,4-DIFLUOROBENZENE - ...	5.011	114	220298	30.00	UG/L	0.00
70) CHLOROBENZENE-D5 ISTD	7.842	82	102127	30.00	UG/L	0.00
89) 1,4-DICHLOROBENZENE-D4...	10.139	152	90720	30.00	UG/L	# 0.00
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.562	65	70465	24.32	UG/L	0.00
Spiked Amount 25.000	Range	70 - 130	Recovery	=	97.28%	
49) TOLUENE SS	6.447	98	206431	23.66	UG/L	0.00
Spiked Amount 25.000	Range	70 - 130	Recovery	=	94.64%	
71) 4-BROMOFLUOROBENZENE SS	9.002	95	66189	21.86	UG/L	0.00
Spiked Amount 25.000	Range	70 - 130	Recovery	=	87.44%	

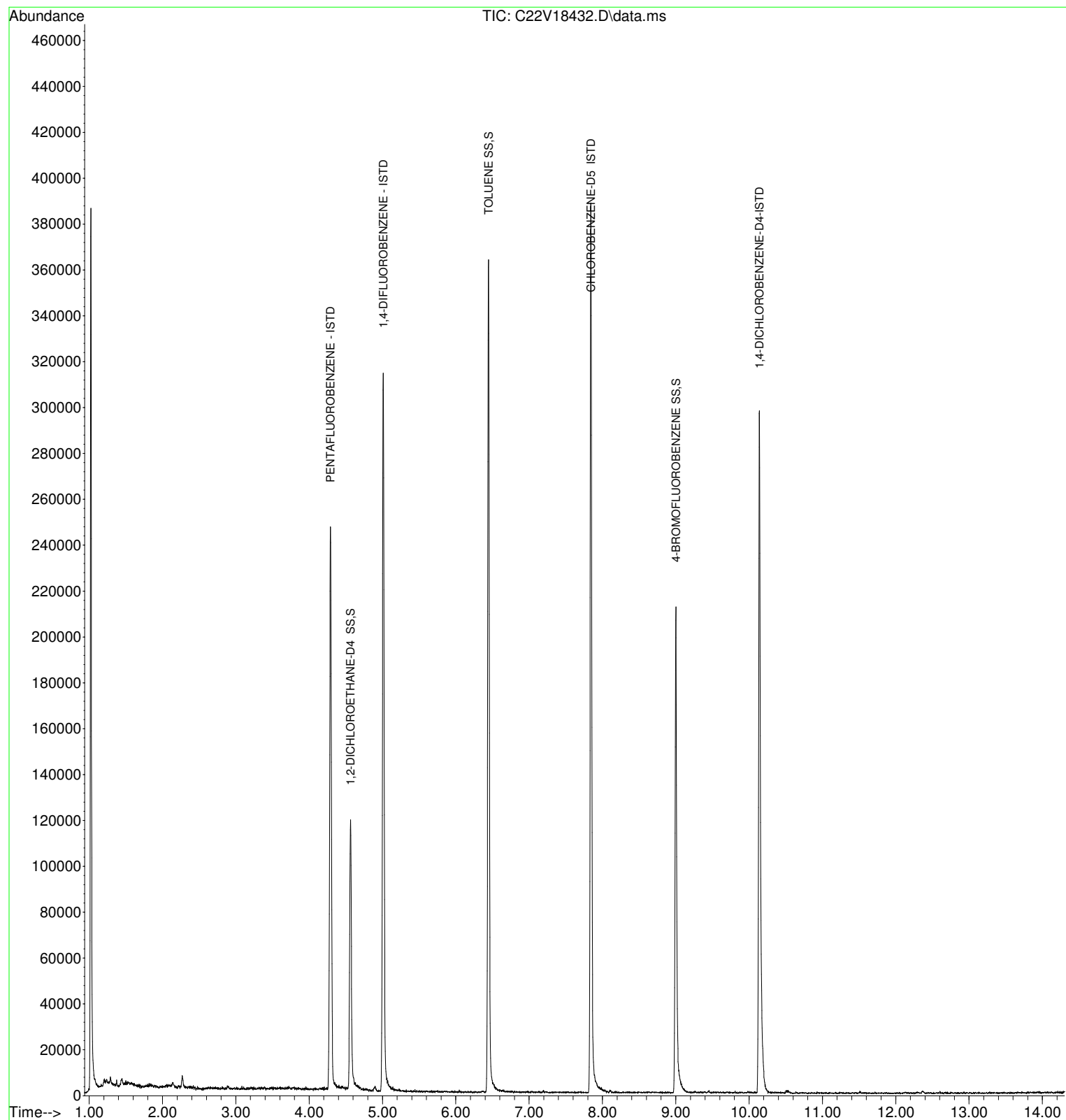
Target Compounds	Qvalue

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

Data Path : C:\msdchem\1\data\C070323\
Data File : C22V18432.D
Acq On : 3 Jul 2023 8:41 pm
Operator :
Sample : B0-BLK1
Misc :
ALS Vial : 32 Sample Multiplier: 1

Inst : GCMSVOA3

Quant Time: Jul 05 07:27:18 2023
Quant Method : C:\msdchem\1\methods\C080822.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Fri Apr 21 09:50:20 2023
Response via : Initial Calibration

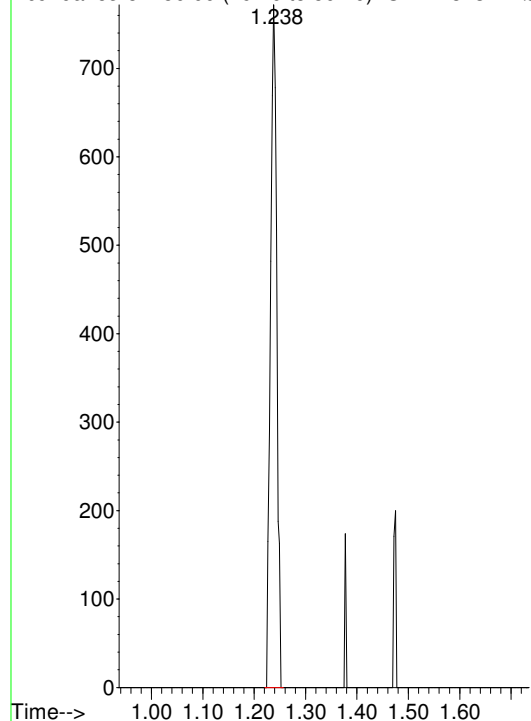


Data Path : C:\msdchem\1\data\C070323\
Data File : C22V18432.D
Acq On : 3 Jul 2023 8:41 pm
Operator :
Sample : B0-BLK1
Misc :

Quant Time : Wed Jul 05 07:27:18 2023
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Fri Apr 21 09:50:20 2023

Original Integration
CHLOROMETHANE

Abundance 50.00 (49.70 to 50.70): C22V18432.D



Original Int. Results

RT : 1.24
Area : 657
Amount: 0.179935

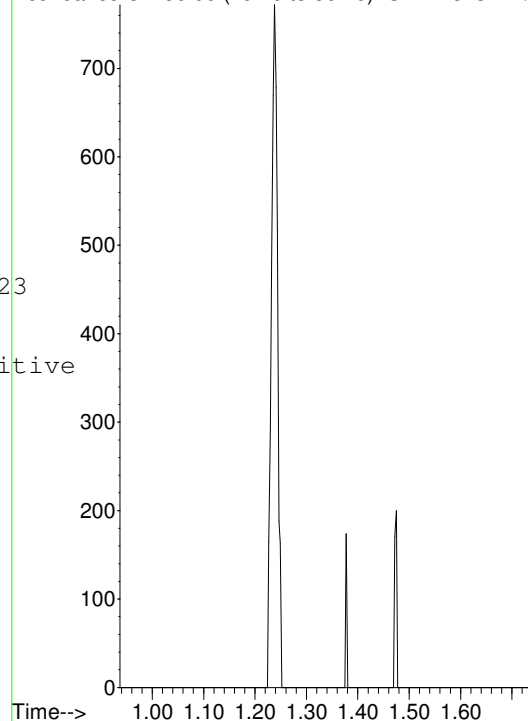
Manual Int. Results

Wed Jul 05 07:26:50 2023

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

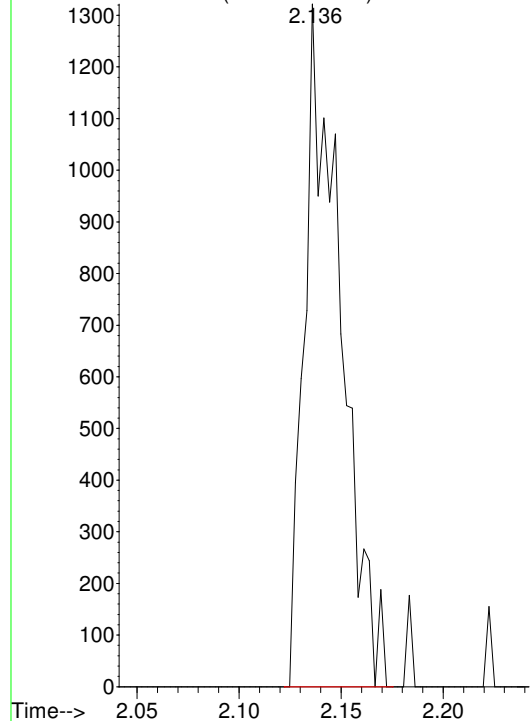
Manual Integration
CHLOROMETHANE

Abundance 50.00 (49.70 to 50.70): C22V18432.D



Original Integration
ACETONE

Abundance 43.00 (42.70 to 43.70): C22V18432.D



Original Int. Results

RT : 2.14
Area : 1629
Amount: 1.73843

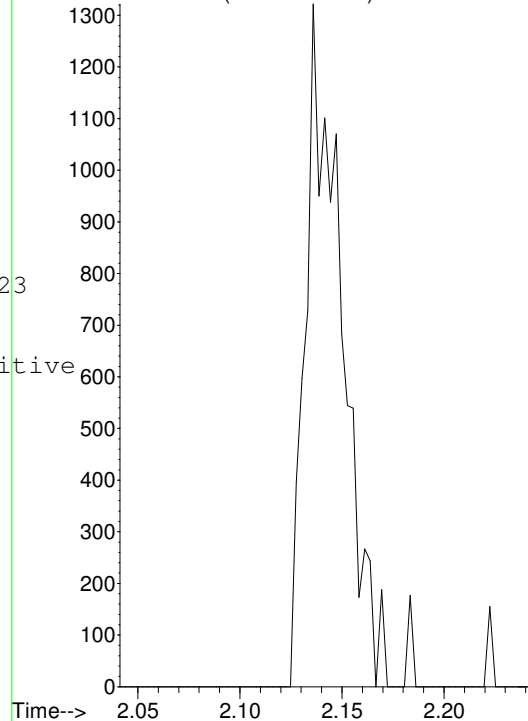
Manual Int. Results

Wed Jul 05 07:26:53 2023

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
ACETONE

Abundance 43.00 (42.70 to 43.70): C22V18432.D



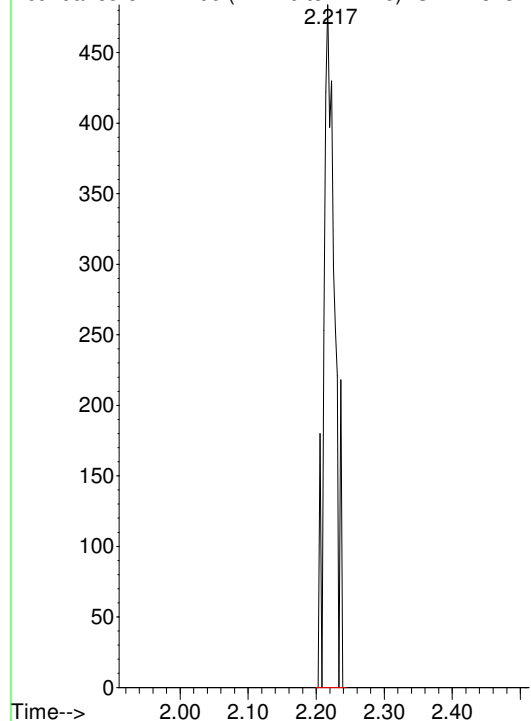
Data Path : C:\msdchem\1\data\C070323\
Data File : C22V18432.D
Acq On : 3 Jul 2023 8:41 pm
Operator :
Sample : B0-BLK1
Misc :

Quant Time : Wed Jul 05 07:27:18 2023
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Fri Apr 21 09:50:20 2023

Original Integration

IODOMETHANE

Abundance on 142.00 (141.70 to 142.70): C22V18432.I



Original Int. Results

RT : 2.22
Area : 528
Amount: 0.189303

Manual Int. Results

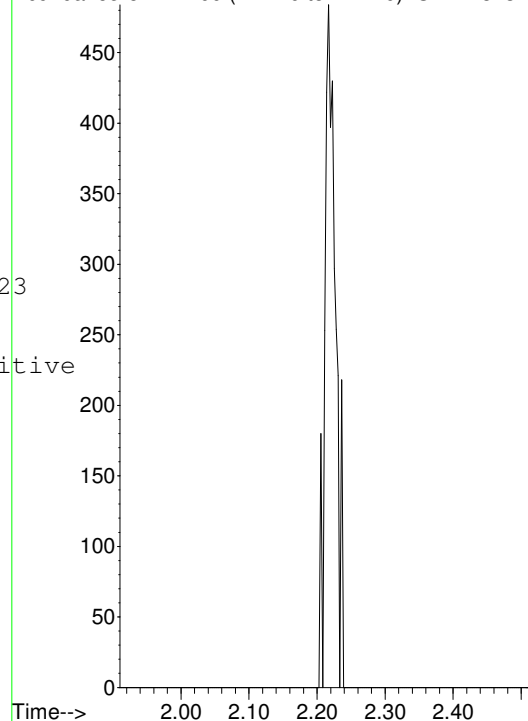
Wed Jul 05 07:26:56 2023

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration

IODOMETHANE

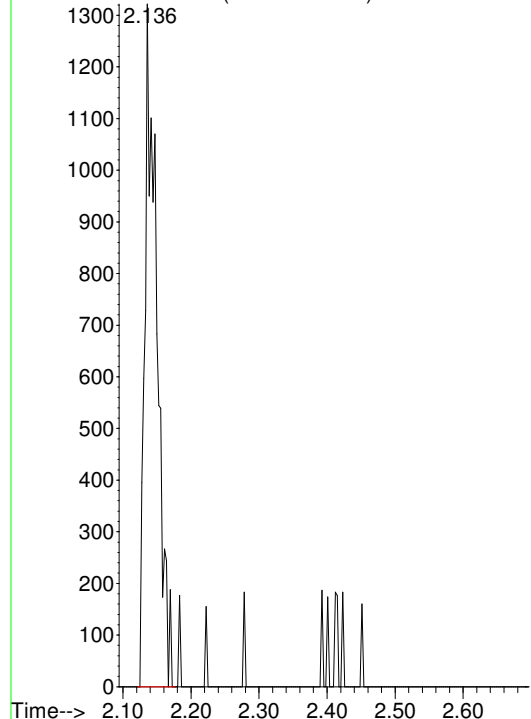
Abundance on 142.00 (141.70 to 142.70): C22V18432.I



Original Integration

METHYL ACETATE

Abundance on 43.00 (42.70 to 43.70): C22V18432.Did



Original Int. Results

RT : 2.14
Area : 1629
Amount: 0.446567

Manual Int. Results

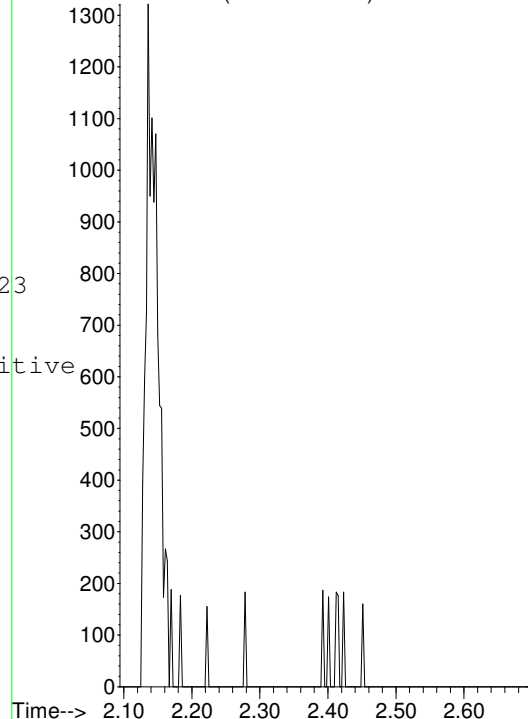
Wed Jul 05 07:26:59 2023

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration

METHYL ACETATE

Abundance on 43.00 (42.70 to 43.70): C22V18432.Did

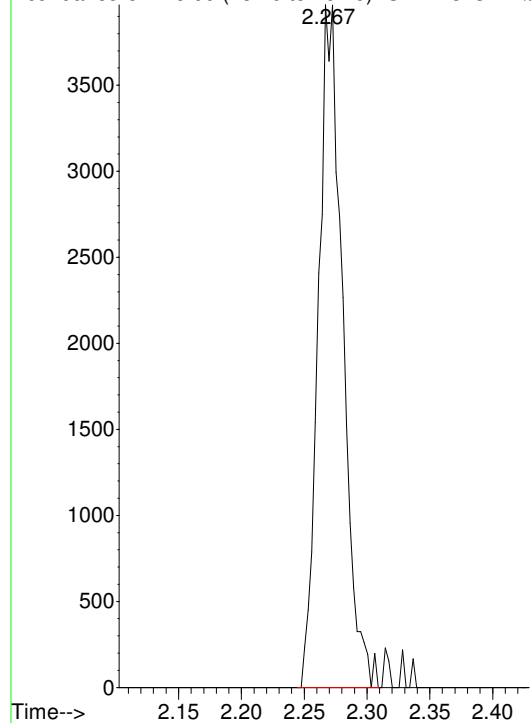


Data Path : C:\msdchem\1\data\C070323\
Data File : C22V18432.D
Acq On : 3 Jul 2023 8:41 pm
Operator :
Sample : B0-BLK1
Misc :

Quant Time : Wed Jul 05 07:27:18 2023
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Fri Apr 21 09:50:20 2023

Original Integration
CARBON DISULFIDE

Abundance on 76.00 (75.70 to 76.70): C22V18432.Did



Original Int. Results

RT : 2.27
Area : 5369
Amount: 0.83434

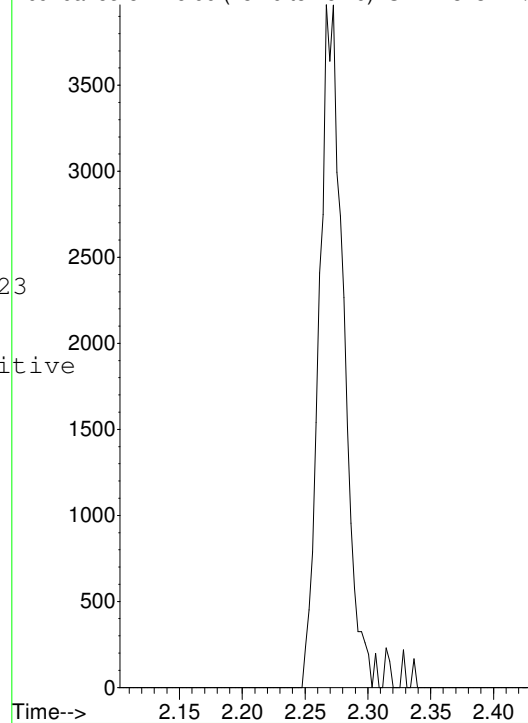
Manual Int. Results

Wed Jul 05 07:27:08 2023

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

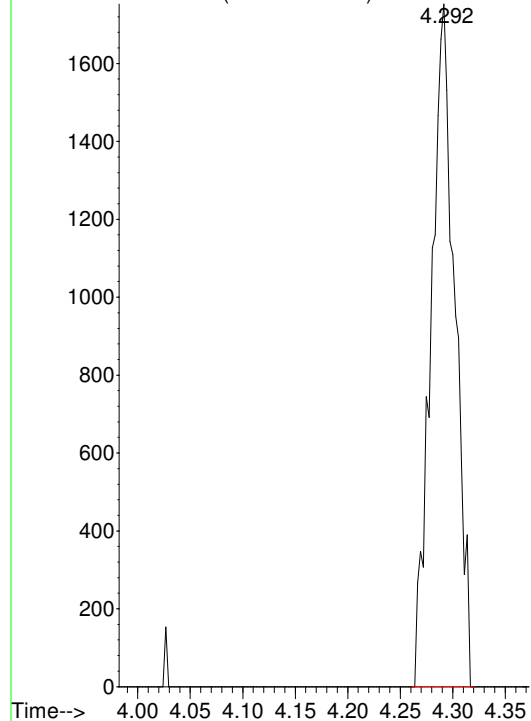
Manual Integration
CARBON DISULFIDE

Abundance on 76.00 (75.70 to 76.70): C22V18432.Did



Original Integration
CYCLOHEXANE

Abundance on 56.00 (55.70 to 56.70): C22V18432.Did



Original Int. Results

RT : 4.29
Area : 2745
Amount: 0.753406

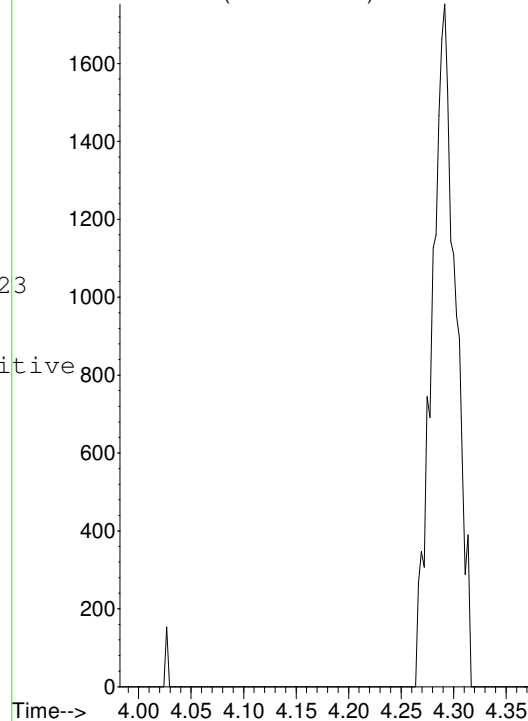
Manual Int. Results

Wed Jul 05 07:27:11 2023

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CYCLOHEXANE

Abundance on 56.00 (55.70 to 56.70): C22V18432.Did



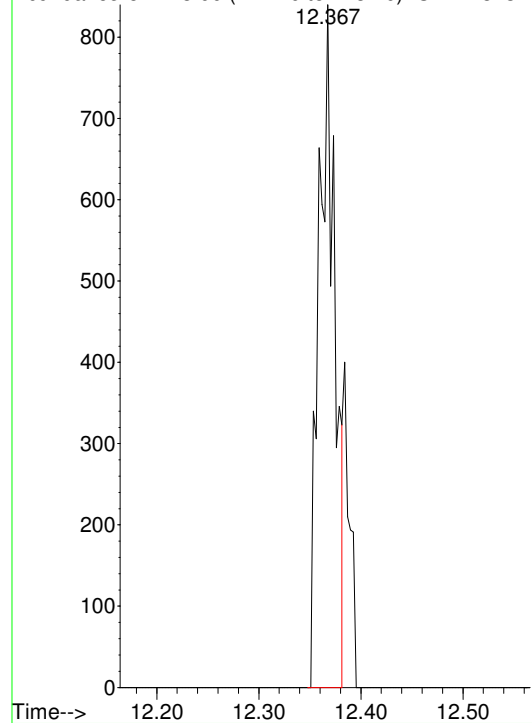
Data Path : C:\msdchem\1\data\C070323\
Data File : C22V18432.D
Acq On : 3 Jul 2023 8:41 pm
Operator :
Sample : B0-BLK1
Misc :

Quant Time : Wed Jul 05 07:27:18 2023
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Fri Apr 21 09:50:20 2023

Original Integration

NAPHTHALENE

Abundance on 128.00 (127.70 to 128.70): C22V18432.I



Original Int. Results

RT : 12.37
Area : 912
Amount: 0.148131

Manual Int. Results

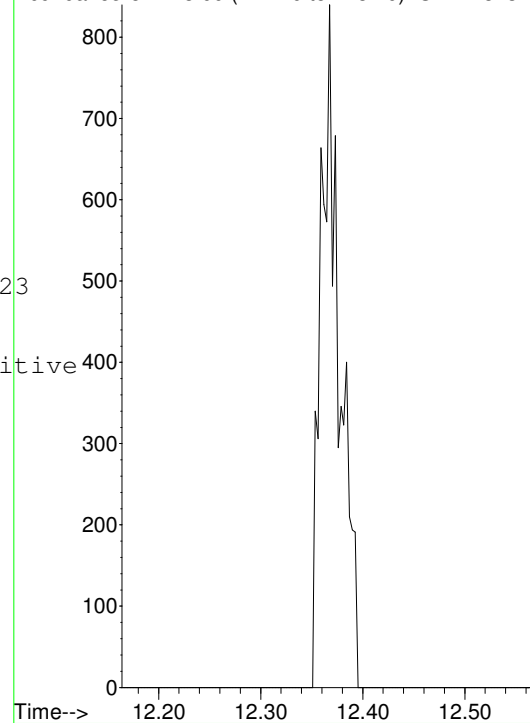
Wed Jul 05 07:27:17 2023

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration

NAPHTHALENE

Abundance on 128.00 (127.70 to 128.70): C22V18432.I



1 - FORM I

ANALYSIS DATA SHEET

LCS

168

Laboratory: Pace New England Work Order: 23F4049

Client: NYDEC_AECOM - Amherst, NY Project: C.A.E. Electronics_CAT B - CO 147580

Matrix: Water Laboratory ID: B344878-BS1 File ID: C22V18429.D

Sampled: Prepared: 07/02/23 07:16 Analyzed: 07/03/23 19:21

Solids: Preparation: SW-846 5030B Dilution:

Batch: B344878 Sequence: S089997 Calibration: 2200537 Instrument: GCMSVOA3

Column: 1

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone	87.2	2.0	50	
71-43-2	Benzene	10.8	0.18	1.0	
74-97-5	Bromochloromethane	11.1	0.28	1.0	
75-27-4	Bromodichloromethane	9.51	0.16	0.50	
75-25-2	Bromoform	8.35	0.41	1.0	
74-83-9	Bromomethane	11.6	1.3	2.0	V-20
78-93-3	2-Butanone (MEK)	95.8	1.7	20	
75-15-0	Carbon Disulfide	96.3	1.6	5.0	
56-23-5	Carbon Tetrachloride	7.72	0.16	5.0	V-05
108-90-7	Chlorobenzene	10.7	0.12	1.0	
124-48-1	Chlorodibromomethane	9.12	0.20	0.50	
75-00-3	Chloroethane	9.39	0.34	2.0	
67-66-3	Chloroform	10.2	0.14	2.0	
74-87-3	Chloromethane	9.75	0.50	2.0	
110-82-7	Cyclohexane	10.2	1.8	5.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	8.19	0.85	5.0	V-05
106-93-4	1,2-Dibromoethane (EDB)	9.58	0.16	0.50	
95-50-1	1,2-Dichlorobenzene	10.3	0.13	1.0	
541-73-1	1,3-Dichlorobenzene	10.3	0.14	1.0	
106-46-7	1,4-Dichlorobenzene	10.1	0.13	1.0	
75-71-8	Dichlorodifluoromethane (Freon 12)	11.4	0.16	2.0	
75-34-3	1,1-Dichloroethane	9.87	0.14	1.0	
107-06-2	1,2-Dichloroethane	9.45	0.30	1.0	
75-35-4	1,1-Dichloroethylene	9.61	0.14	1.0	
156-59-2	cis-1,2-Dichloroethylene	9.47	0.14	1.0	
156-60-5	trans-1,2-Dichloroethylene	9.48	0.17	1.0	
78-87-5	1,2-Dichloropropane	9.57	0.19	1.0	
10061-01-5	cis-1,3-Dichloropropene	9.54	0.16	0.50	
10061-02-6	trans-1,3-Dichloropropene	9.21	0.14	0.50	
123-91-1	1,4-Dioxane	75.3	18	50	

1 - FORM I

ANALYSIS DATA SHEET

LCS

169

Laboratory:	Pace New England	Work Order:	23F4049
Client:	NYDEC_AECOM - Amherst, NY	Project:	C.A.E. Electronics_CAT B - CO 147580
Matrix:	Water	Laboratory ID:	B344878-BS1
		File ID:	C22V18429.D
Sampled:		Prepared:	07/02/23 07:16
		Analyzed:	07/03/23 19:21
Solids:		Preparation:	SW-846 5030B
		Dilution:	
Batch:	B344878	Sequence:	S089997
		Calibration:	2200537
		Instrument:	GCMSVOA3
Column:	1		

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
100-41-4	Ethylbenzene	10.2	0.22	1.0	
591-78-6	2-Hexanone (MBK)	79.9	1.2	10	V-05
98-82-8	Isopropylbenzene (Cumene)	9.70	0.15	1.0	
79-20-9	Methyl Acetate	9.09	0.61	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)	9.04	0.17	1.0	
108-87-2	Methyl Cyclohexane	10.7	0.16	1.0	
75-09-2	Methylene Chloride	9.37	0.18	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)	82.4	1.3	10	
100-42-5	Styrene	9.62	0.15	1.0	
79-34-5	1,1,2,2-Tetrachloroethane	9.85	0.14	0.50	
127-18-4	Tetrachloroethylene	10.3	0.17	1.0	
108-88-3	Toluene	10.0	0.22	1.0	
87-61-6	1,2,3-Trichlorobenzene	7.80	0.34	5.0	
120-82-1	1,2,4-Trichlorobenzene	7.68	0.30	1.0	V-05
71-55-6	1,1,1-Trichloroethane	10.1	0.15	1.0	
79-00-5	1,1,2-Trichloroethane	9.91	0.19	1.0	
79-01-6	Trichloroethylene	10.3	0.17	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)	9.85	0.15	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.1	0.21	1.0	
75-01-4	Vinyl Chloride	10.7	0.24	2.0	
108383/106423	m+p Xylene	20.1	0.49	2.0	
95-47-6	o-Xylene	9.62	0.24	1.0	
1330-20-7	Xylenes (total)	29.8	1.0	1.0	

Data Path : C:\msdchem\1\data\C070323\
 Data File : C22V18429.D
 Acq On : 3 Jul 2023 7:21 pm
 Operator :
 Sample : B0-BS1
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Inst : GCMSVOA3

Quant Time: Jul 05 07:22:59 2023
 Quant Method : C:\msdchem\1\methods\C080822.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Fri Apr 21 09:50:20 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	4.292	168	157596	30.00	UG/L	0.00
48) 1,4-DIFLUOROBENZENE - ...	5.011	114	233511	30.00	UG/L	0.00
70) CHLOROBENZENE-D5 ISTD	7.841	82	107495	30.00	UG/L	0.00
89) 1,4-DICHLOROETHANE-D4...	10.136	152	109371	30.00	UG/L	# 0.00
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.562	65	72212	24.42	UG/L	0.00
Spiked Amount 25.000	Range	70 - 130	Recovery	=	97.68%	
49) TOLUENE SS	6.444	98	222051	24.01	UG/L	0.00
Spiked Amount 25.000	Range	70 - 130	Recovery	=	96.04%	
71) 4-BROMOFLUOROBENZENE SS	8.999	95	73326	23.01	UG/L	0.00
Spiked Amount 25.000	Range	70 - 130	Recovery	=	92.04%	
Target Compounds						
					Qvalue	
3) DICHLORODIFLUOROMETHANE	1.124	85	25880	11.35	UG/L	100
4) DIFLUOROCHLOROMETHANE	1.129	51	30944	10.30	UG/L	# 100
5) CHLOROMETHANE	1.238	50	36330	9.75	UG/L	# 24
6) VINYL CHLORIDE	1.305	62	29436	10.73	UG/L	95
7) BROMOMETHANE	1.503	94	18803	11.62	UG/L	97
8) CHLOROETHANE	1.570	64	17769	9.39	UG/L	98
9) FLUORODICHLOROMETHANE	1.692	67	40981	9.28	UG/L	99
10) TRICHLOROFLUOROMETHANE	1.737	101	33086	9.85	UG/L	96
11) ETHANOL	1.860	45	4187	76.88	UG/L	# 78
12) DI ETHYL ETHER	1.932	59	18690	9.58	UG/L	93
13) ACROLEIN	2.024	56	56928	118.48	UG/L	96
14) ACETONE	2.139	43	83458	87.25	UG/L	94
15) 1,1-DICHLOROETHENE	2.100	61	32825	9.61	UG/L	99
16) 1,1,2-TRICL-1,2,2-TRIF...	2.097	101	19947	10.06	UG/L	90
17) IODOMETHANE	2.214	142	247701	87.00	UG/L	99
20) METHYL ACETATE	2.401	43	33863	9.09	UG/L	97
21) T-BUTYL ALCOHOL	2.596	59	26301	69.70	UG/L	# 96
22) ACRYLONITRILE	2.708	53	10216	8.61	UG/L	97
23) METHYLENE CHLORIDE	2.479	49	31643	9.37	UG/L	93
24) CARBON DISULFIDE	2.267	76	632780	96.33	UG/L	99
25) METHYL TERT-BUTYL ETHE...	2.738	73	67096	9.04	UG/L	98
26) TRANS 1,2-DICHLOROETHENE	2.727	61	30776	9.48	UG/L	97
27) 1,1-DICHLOROETHANE	3.145	63	40859	9.87	UG/L	98
28) VINYL ACETATE	3.215	43	625425	90.70	UG/L	99
29) DI ISOPROYL ETHER	3.237	45	81056	9.90	UG/L	97
31) 2-BUTANONE	3.784	43	132619	95.84	UG/L	95
32) T-BUTYL ETHYL ETHER	3.619	59	69272	9.53	UG/L	99
33) CIS-1,2-DICHLOROETHENE	3.739	61	34142	9.47	UG/L	99
34) 2,2-DICHLOROPROPANE	3.734	77	25420	7.95	UG/L	91
35) ETHYL ACETATE	3.851	43	28032	8.20	UG/L	99
38) BROMOCHLOROMETHANE	3.976	49	22090	11.09	UG/L	99
39) TETRAHYDROFURAN	4.052	42	9042	9.18	UG/L	91
40) CHLOROFORM	4.068	83	40512	10.16	UG/L	98
41) 1,1,1-TRICHLOROETHANE	4.244	97	33629	10.13	UG/L	97
42) CYCLOHEXANE	4.297	56	37805	10.16	UG/L	93
43) CARBON TETRACHLORIDE	4.406	117	21430	7.72	UG/L	98
44) 1,1-DICHLOROPROPENE	4.411	75	29043	10.10	UG/L	96
45) BENZENE	4.615	78	94830	10.82	UG/L	99
47) T-AMYL METHYL ETHER	4.760	73	65308	9.47	UG/L	98
50) 1,2-DICHLOROETHANE	4.637	62	31448	9.45	UG/L	# 92
51) TRICHLOROETHENE	5.254	95	22288	10.34	UG/L	97
52) METHYLCYCLOHEXANE	5.438	83	27479	10.67	UG/L	97
53) 1,2-DICHLOROPROPANE	5.477	63	22818	9.57	UG/L	# 94

Data Path : C:\msdchem\1\data\C070323\
 Data File : C22V18429.D
 Acq On : 3 Jul 2023 7:21 pm
 Operator :
 Sample : B0-BS1
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Inst : GCMSVOA3

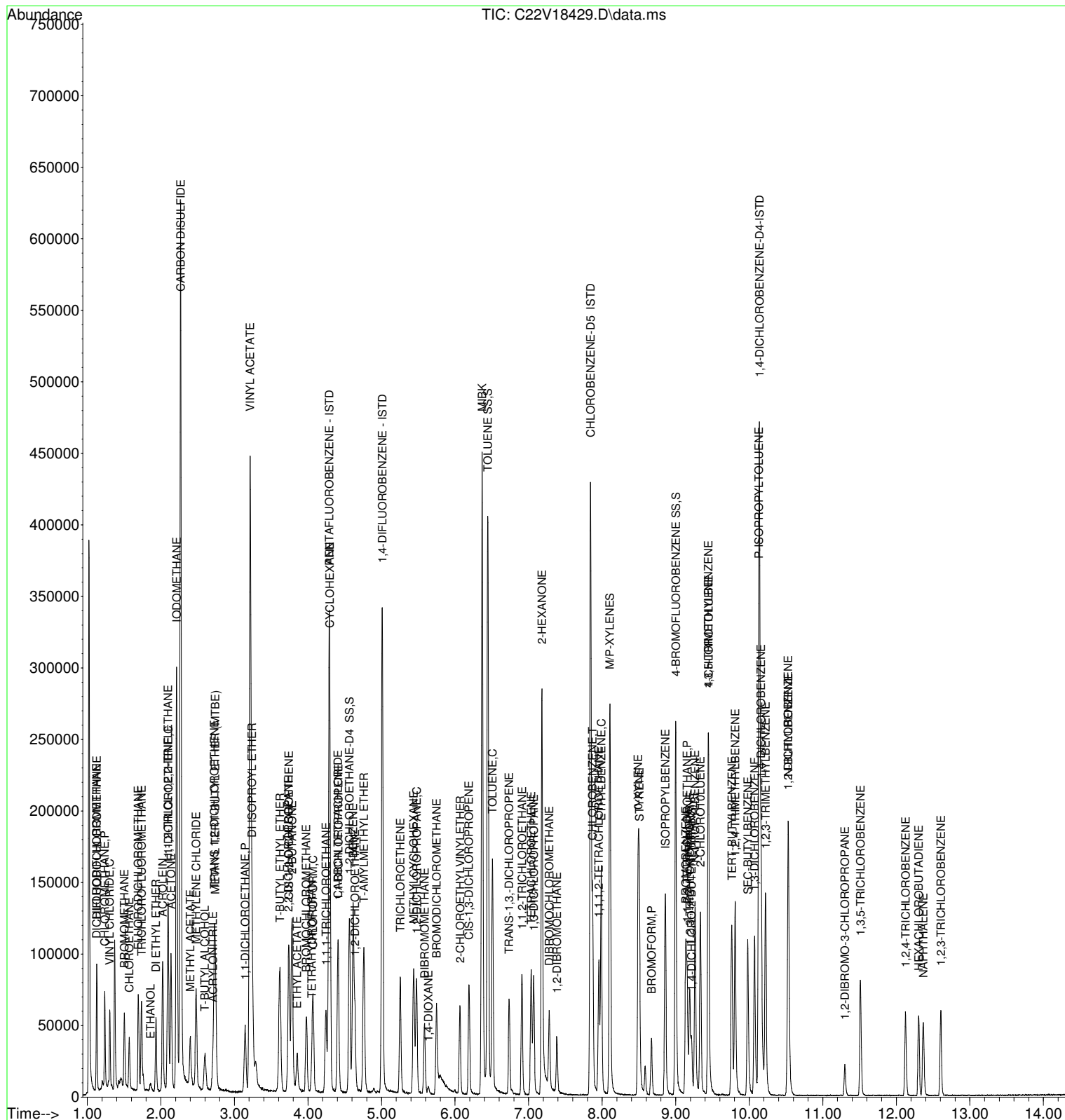
Quant Time: Jul 05 07:22:59 2023
 Quant Method : C:\msdchem\1\methods\C080822.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Fri Apr 21 09:50:20 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
54) DIBROMOMETHANE	5.585	93	15494	9.97	UG/L	95
56) 1,4-DIOXANE	5.636	88	2774	75.32	UG/L #	63
57) BROMODICHLOROMETHANE	5.747	83	29182	9.51	UG/L	98
58) 2-CHLOROETHYL VINYLETHYL ETHER	6.068	63	20905	16.47	UG/L	91
59) MIBK	6.366	43	263869	82.44	UG/L	99
60) CIS-1,3-DICHLOROPROPENE	6.188	75	35165	9.54	UG/L	97
61) TOLUENE	6.508	91	93022	10.00	UG/L	96
62) TRANS-1,3,-DICHLOROPRO...	6.734	75	29247	9.21	UG/L	95
64) 1,1,2-TRICHLOROETHANE	6.910	97	21577	9.91	UG/L	95
65) 2-HEXANONE	7.181	43	176910	79.93	UG/L	99
66) TETRACHLOROETHENE	7.036	166	22550	10.32	UG/L	99
67) 1,3-DICHLOROPROPANE	7.069	76	37537	9.69	UG/L	98
68) DIBROMOCHLOROMETHANE	7.281	129	23877	9.12	UG/L	96
69) 1,2-DIBROMOETHANE	7.384	107	22308	9.58	UG/L	96
72) CHLOROBENZENE	7.869	112	60528	10.72	UG/L	96
73) 1,1,1,2-TETRACHLOROETHANE	7.953	131	21608	10.32	UG/L	99
74) ETHYLBENZENE	7.986	91	93130	10.20	UG/L	96
75) M/P-XYLENES	8.104	91	143641	20.14	UG/L	99
76) O-XYLENE	8.488	91	72230	9.62	UG/L	97
77) STYRENE	8.505	104	58023	9.62	UG/L	98
78) BROMOFORM	8.670	173	15654	8.35	UG/L #	95
79) ISOPROPYLBENZENE	8.859	105	83214	9.70	UG/L	97
81) 1,1,2,2-TETRACHLOROETHANE	9.155	83	32394	9.85	UG/L	96
82) 1,4-DICHLORO-2-BUTENE (...)	9.213	53	6808	7.93	UG/L	89
83) BROMOBENZENE	9.135	77	37127	9.91	UG/L	97
84) 1,2,3-TRICHLOROPROPANE	9.191	75	32572	12.08	UG/L #	86
85) N-PROPYLBENZENE	9.264	91	93373	9.73	UG/L	97
86) 2-CHLOROTOLUENE	9.336	91	64461	10.30	UG/L	97
87) 1,3,5-TRIMETHYLBENZENE	9.442	105	69266	9.84	UG/L	98
88) 4-CHLOROTOLUENE	9.445	91	68983	9.70	UG/L	97
90) TERT-BUTYLBENZENE	9.763	119	52860	9.02	UG/L	99
91) 1,2,4-TRIMETHYLBENZENE	9.807	105	65527	9.10	UG/L	99
92) SEC-BUTYLBENZENE	9.980	105	72113	9.23	UG/L	98
93) 1,3-DICHLOROBENZENE	10.072	146	44625	10.26	UG/L	99
94) P-ISOPROPYLTOLUENE	10.128	119	61959	9.23	UG/L	99
95) 1,4-DICHLOROBENZENE	10.159	146	46638	10.07	UG/L	94
96) 1,2,3-TRIMETHYLBENZENE	10.223	105	73849	9.25	UG/L #	100
97) N-BUTYLBENZENE	10.532	91	53686	9.50	UG/L	95
98) 1,2-DICHLOROBENZENE	10.527	146	45617	10.31	UG/L	99
99) 1,2-DIBROMO-3-CHLOROPR...	11.299	75	4924	8.19	UG/L	95
100) 1,3,5-TRICHLOROBENZENE	11.511	180	25643	9.49	UG/L	100
101) 1,2,4-TRICHLOROBENZENE	12.125	180	19004	7.68	UG/L	96
102) HEXACHLOROBUTADIENE	12.303	225	11568	11.12	UG/L	96
103) NAPHTHALENE	12.367	128	43164	5.82	UG/L	99
104) 1,2,3-TRICHLOROBENZENE	12.604	180	18882	7.80	UG/L	97

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

172

Inst : GCMSVOA3



1 - FORM I

ANALYSIS DATA SHEET

173

LCS Dup

Laboratory:	Pace New England	Work Order:	23F4049
Client:	NYDEC_AECOM - Amherst, NY	Project:	C.A.E. Electronics_CAT B - CO 147580
Matrix:	Water	Laboratory ID:	B344878-BSD1
		File ID:	C22V18430.D
Sampled:		Prepared:	07/02/23 07:16
		Analyzed:	07/03/23 19:48
Solids:		Preparation:	SW-846 5030B
		Dilution:	
Batch:	B344878	Sequence:	S089997
		Calibration:	2200537
		Instrument:	GCMSVOA3
Column:	1		

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone	87.3	2.0	50	
71-43-2	Benzene	10.9	0.18	1.0	
74-97-5	Bromochloromethane	10.9	0.28	1.0	
75-27-4	Bromodichloromethane	9.87	0.16	0.50	
75-25-2	Bromoform	8.65	0.41	1.0	
74-83-9	Bromomethane	12.1	1.3	2.0	V-20
78-93-3	2-Butanone (MEK)	95.7	1.7	20	
75-15-0	Carbon Disulfide	98.6	1.6	5.0	
56-23-5	Carbon Tetrachloride	7.80	0.16	5.0	V-05
108-90-7	Chlorobenzene	10.9	0.12	1.0	
124-48-1	Chlorodibromomethane	9.28	0.20	0.50	
75-00-3	Chloroethane	9.76	0.34	2.0	
67-66-3	Chloroform	10.4	0.14	2.0	
74-87-3	Chloromethane	11.0	0.50	2.0	
110-82-7	Cyclohexane	10.3	1.8	5.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	8.30	0.85	5.0	V-05
106-93-4	1,2-Dibromoethane (EDB)	9.86	0.16	0.50	
95-50-1	1,2-Dichlorobenzene	10.6	0.13	1.0	
541-73-1	1,3-Dichlorobenzene	10.8	0.14	1.0	
106-46-7	1,4-Dichlorobenzene	10.3	0.13	1.0	
75-71-8	Dichlorodifluoromethane (Freon 12)	11.2	0.16	2.0	
75-34-3	1,1-Dichloroethane	10.1	0.14	1.0	
107-06-2	1,2-Dichloroethane	9.86	0.30	1.0	
75-35-4	1,1-Dichloroethylene	9.51	0.14	1.0	
156-59-2	cis-1,2-Dichloroethylene	9.72	0.14	1.0	
156-60-5	trans-1,2-Dichloroethylene	9.48	0.17	1.0	
78-87-5	1,2-Dichloropropane	10.3	0.19	1.0	
10061-01-5	cis-1,3-Dichloropropene	9.52	0.16	0.50	
10061-02-6	trans-1,3-Dichloropropene	9.44	0.14	0.50	
123-91-1	1,4-Dioxane	80.0	18	50	

1 - FORM I

ANALYSIS DATA SHEET

174

LCS Dup

Laboratory:	Pace New England	Work Order:	23F4049
Client:	NYDEC_AECOM - Amherst, NY	Project:	C.A.E. Electronics_CAT B - CO 147580
Matrix:	Water	Laboratory ID:	B344878-BSD1
		File ID:	C22V18430.D
Sampled:		Prepared:	07/02/23 07:16
		Analyzed:	07/03/23 19:48
Solids:		Preparation:	SW-846 5030B
		Dilution:	
Batch:	B344878	Sequence:	S089997
		Calibration:	2200537
		Instrument:	GCMSVOA3
Column:	1		

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
100-41-4	Ethylbenzene	10.6	0.22	1.0	
591-78-6	2-Hexanone (MBK)	82.6	1.2	10	V-05
98-82-8	Isopropylbenzene (Cumene)	9.84	0.15	1.0	
79-20-9	Methyl Acetate	8.77	0.61	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)	9.07	0.17	1.0	
108-87-2	Methyl Cyclohexane	10.4	0.16	1.0	
75-09-2	Methylene Chloride	9.51	0.18	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)	83.3	1.3	10	
100-42-5	Styrene	9.63	0.15	1.0	
79-34-5	1,1,2,2-Tetrachloroethane	9.92	0.14	0.50	
127-18-4	Tetrachloroethylene	10.7	0.17	1.0	
108-88-3	Toluene	10.3	0.22	1.0	
87-61-6	1,2,3-Trichlorobenzene	7.83	0.34	5.0	
120-82-1	1,2,4-Trichlorobenzene	7.41	0.30	1.0	V-05
71-55-6	1,1,1-Trichloroethane	10.2	0.15	1.0	
79-00-5	1,1,2-Trichloroethane	10.3	0.19	1.0	
79-01-6	Trichloroethylene	10.1	0.17	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)	9.91	0.15	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.2	0.21	1.0	
75-01-4	Vinyl Chloride	11.2	0.24	2.0	
108383/106423	m+p Xylene	20.5	0.49	2.0	
95-47-6	o-Xylene	9.72	0.24	1.0	
1330-20-7	Xylenes (total)	30.3	1.0	1.0	

Data Path : C:\msdchem\1\data\C070323\
 Data File : C22V18430.D
 Acq On : 3 Jul 2023 7:48 pm
 Operator :
 Sample : B0-BSD1
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Inst : GCMSVOA3

Quant Time: Jul 05 07:26:12 2023
 Quant Method : C:\msdchem\1\methods\C080822.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Fri Apr 21 09:50:20 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	4.289	168	158970	30.00	UG/L	0.00
48) 1,4-DIFLUOROBENZENE - ...	5.008	114	232061	30.00	UG/L	0.00
70) CHLOROBENZENE-D5 ISTD	7.844	82	107174	30.00	UG/L	0.00
89) 1,4-DICHLOROETHANE-D4...	10.139	152	107087	30.00	UG/L	# 0.00
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.562	65	72274	24.23	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	96.92%	
49) TOLUENE SS	6.447	98	223979	24.37	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	97.48%	
71) 4-BROMOFLUOROBENZENE SS	8.999	95	73161	23.02	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	92.08%	
Target Compounds						
					Qvalue	
3) DICHLORODIFLUOROMETHANE	1.124	85	25715	11.18	UG/L	97
4) DIFLUOROCHLOROMETHANE	1.132	51	32152	10.61	UG/L	# 100
5) CHLOROMETHANE	1.238	50	41154	10.95	UG/L	# 26
6) VINYL CHLORIDE	1.305	62	30899	11.17	UG/L	98
7) BROMOMETHANE	1.506	94	19739	12.10	UG/L	98
8) CHLOROETHANE	1.570	64	18626	9.76	UG/L	98
9) FLUORODICHLOROMETHANE	1.692	67	43292	9.72	UG/L	99
10) TRICHLOROFLUOROMETHANE	1.737	101	33577	9.91	UG/L	96
11) ETHANOL	1.857	45	3638	66.22	UG/L	# 87
12) DI ETHYL ETHER	1.935	59	19273	9.79	UG/L	97
13) ACROLEIN	2.024	56	54761	112.98	UG/L	99
14) ACETONE	2.139	43	84260	87.32	UG/L	93
15) 1,1-DICHLOROETHENE	2.097	61	32755	9.51	UG/L	95
16) 1,1,2-TRICL-1,2,2-TRIF...	2.097	101	20361	10.18	UG/L	87
17) IODOMETHANE	2.214	142	254094	88.47	UG/L	100
20) METHYL ACETATE	2.398	43	32950	8.77	UG/L	94
21) T-BUTYL ALCOHOL	2.602	59	26017	68.35	UG/L	# 95
22) ACRYLONITRILE	2.705	53	10577	8.83	UG/L	95
23) METHYLENE CHLORIDE	2.479	49	32385	9.51	UG/L	93
24) CARBON DISULFIDE	2.270	76	653662	98.65	UG/L	99
25) METHYL TERT-BUTYL ETHE...	2.741	73	67895	9.07	UG/L	97
26) TRANS 1,2-DICHLOROETHENE	2.724	61	31027	9.48	UG/L	99
27) 1,1-DICHLOROETHANE	3.145	63	42349	10.14	UG/L	97
28) VINYL ACETATE	3.215	43	629316	90.48	UG/L	99
29) DI ISOPROYL ETHER	3.240	45	81811	9.91	UG/L	96
31) 2-BUTANONE	3.781	43	133530	95.67	UG/L	96
32) T-BUTYL ETHYL ETHER	3.617	59	70029	9.55	UG/L	97
33) CIS-1,2-DICHLOROETHENE	3.736	61	35344	9.72	UG/L	98
34) 2,2-DICHLOROPROPANE	3.736	77	25737	7.98	UG/L	93
35) ETHYL ACETATE	3.854	43	27524	7.98	UG/L	# 94
38) BROMOCHLOROMETHANE	3.979	49	21959	10.93	UG/L	96
39) TETRAHYDROFURAN	4.052	42	9331	9.39	UG/L	# 89
40) CHLOROFORM	4.068	83	41696	10.37	UG/L	96
41) 1,1,1-TRICHLOROETHANE	4.244	97	34154	10.19	UG/L	93
42) CYCLOHEXANE	4.294	56	38531	10.27	UG/L	93
43) CARBON TETRACHLORIDE	4.406	117	21830	7.80	UG/L	97
44) 1,1-DICHLOROPROPENE	4.409	75	29725	10.25	UG/L	98
45) BENZENE	4.615	78	96449	10.91	UG/L	99
47) T-AMYL METHYL ETHER	4.757	73	66442	9.55	UG/L	97
50) 1,2-DICHLOROETHANE	4.640	62	32629	9.86	UG/L	100
51) TRICHLOROETHENE	5.253	95	21537	10.06	UG/L	97
52) METHYLCYCLOHEXANE	5.435	83	26600	10.39	UG/L	95
53) 1,2-DICHLOROPROPANE	5.474	63	24418	10.30	UG/L	# 99

Data Path : C:\msdchem\1\data\C070323\
 Data File : C22V18430.D
 Acq On : 3 Jul 2023 7:48 pm
 Operator :
 Sample : B0-BSD1
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Inst : GCMSVOA3

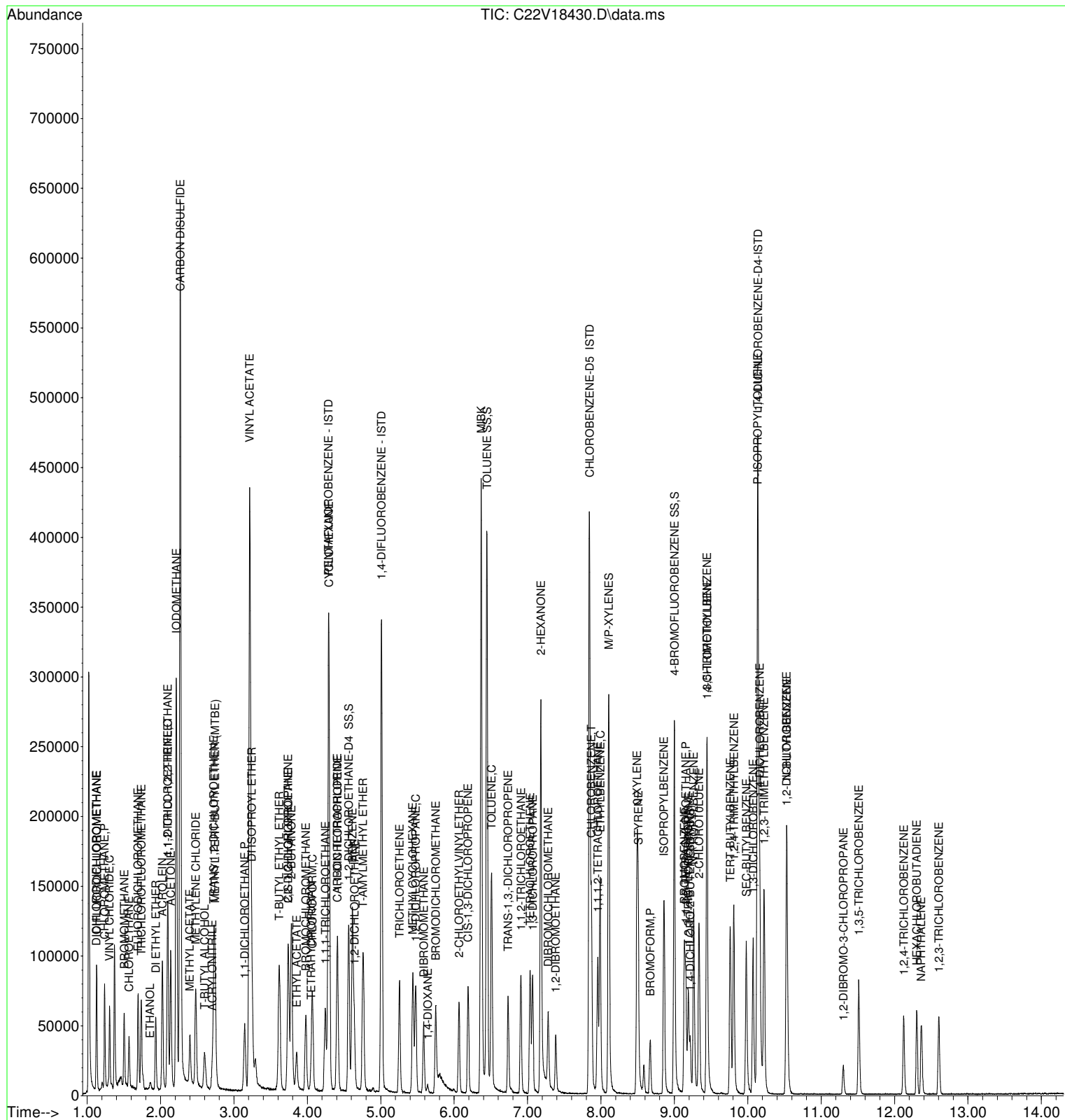
Quant Time: Jul 05 07:26:12 2023
 Quant Method : C:\msdchem\1\methods\C080822.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Fri Apr 21 09:50:20 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
54) DIBROMOMETHANE	5.585	93	15564	10.07	UG/L	92
56) 1,4-DIOXANE	5.638	88	2927m	79.97	UG/L	
57) BROMODICHLOROMETHANE	5.750	83	30068	9.87	UG/L	97
58) 2-CHLOROETHYL VINYLETHYL	6.065	63	22208	17.60	UG/L	89
59) MIBK	6.369	43	264917	83.28	UG/L	99
60) CIS-1,3-DICHLOROPROPENE	6.188	75	34868	9.52	UG/L	98
61) TOLUENE	6.508	91	94809	10.26	UG/L	97
62) TRANS-1,3,-DICHLOROPRO...	6.734	75	29792	9.44	UG/L	94
64) 1,1,2-TRICHLOROETHANE	6.910	97	22294	10.30	UG/L	97
65) 2-HEXANONE	7.180	43	181725	82.62	UG/L	96
66) TETRACHLOROETHENE	7.035	166	23306	10.73	UG/L	99
67) 1,3-DICHLOROPROPANE	7.069	76	38298	9.95	UG/L	98
68) DIBROMOCHLOROMETHANE	7.281	129	24155	9.28	UG/L	96
69) 1,2-DIBROMOETHANE	7.381	107	22821	9.86	UG/L	98
72) CHLOROBENZENE	7.869	112	61186	10.86	UG/L	95
73) 1,1,1,2-TETRACHLOROETHANE	7.956	131	21829	10.46	UG/L	96
74) ETHYLBENZENE	7.989	91	96421	10.59	UG/L	97
75) M/P-XYLENES	8.106	91	146050	20.54	UG/L	100
76) O-XYLENE	8.491	91	72728	9.72	UG/L	96
77) STYRENE	8.508	104	57886	9.63	UG/L	99
78) BROMOFORM	8.670	173	16182	8.65	UG/L #	97
79) ISOPROPYLBENZENE	8.856	105	84198	9.84	UG/L	100
81) 1,1,2,2-TETRACHLOROETHANE	9.155	83	32524	9.92	UG/L	95
82) 1,4-DICHLORO-2-BUTENE (...)	9.213	53	6467	7.55	UG/L #	85
83) BROMOBENZENE	9.135	77	36856	9.87	UG/L	99
84) 1,2,3-TRICHLOROPROPANE	9.188	75	32023	11.91	UG/L #	87
85) N-PROPYLBENZENE	9.264	91	94256	9.85	UG/L	97
86) 2-CHLOROTOLUENE	9.336	91	65284	10.46	UG/L	98
87) 1,3,5-TRIMETHYLBENZENE	9.442	105	69511	9.91	UG/L	97
88) 4-CHLOROTOLUENE	9.445	91	69375	9.78	UG/L	97
90) TERT-BUTYLBENZENE	9.760	119	53747	9.37	UG/L	96
91) 1,2,4-TRIMETHYLBENZENE	9.810	105	68619	9.73	UG/L	100
92) SEC-BUTYLBENZENE	9.980	105	73916	9.66	UG/L	97
93) 1,3-DICHLOROBENZENE	10.072	146	45936	10.79	UG/L	98
94) P-ISOPROPYLTOLUENE	10.131	119	62753	9.54	UG/L	99
95) 1,4-DICHLOROBENZENE	10.162	146	46681	10.29	UG/L	92
96) 1,2,3-TRIMETHYLBENZENE	10.220	105	75346	9.64	UG/L #	100
97) N-BUTYLBENZENE	10.532	91	53260	9.63	UG/L	97
98) 1,2-DICHLOROBENZENE	10.527	146	46140	10.65	UG/L	99
99) 1,2-DIBROMO-3-CHLOROPR...	11.302	75	4886	8.30	UG/L	90
100) 1,3,5-TRICHLOROBENZENE	11.511	180	25997	9.82	UG/L	99
101) 1,2,4-TRICHLOROBENZENE	12.125	180	17975	7.41	UG/L	98
102) HEXACHLOROBUTADIENE	12.300	225	11632	11.42	UG/L	96
103) NAPHTHALENE	12.362	128	41680	5.74	UG/L	98
104) 1,2,3-TRICHLOROBENZENE	12.602	180	18547	7.83	UG/L	98

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

177

Quant Time: Jul 05 07:26:12 2023
Quant Method : C:\msdchem\1\methods\C080822.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Fri Apr 21 09:50:20 2023
Response via : Initial Calibration



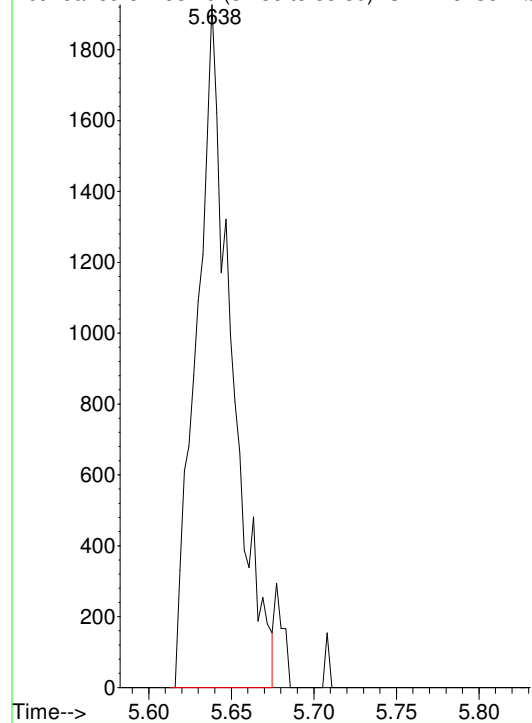
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Data File : C22V18430.D
Acq On : 3 Jul 2023 7:48 pm
Operator :
Sample : B0-BSD1
Misc :

Quant Time : Wed Jul 05 07:26:12 2023
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Fri Apr 21 09:50:20 2023

Original Integration

1,4-DIOXANE

Abundance on 88.10 (87.80 to 88.80): C22V18430.D



Original Int. Results

RT : 5.64
Area : 2822
Amount: 77.1025

Manual Int. Results

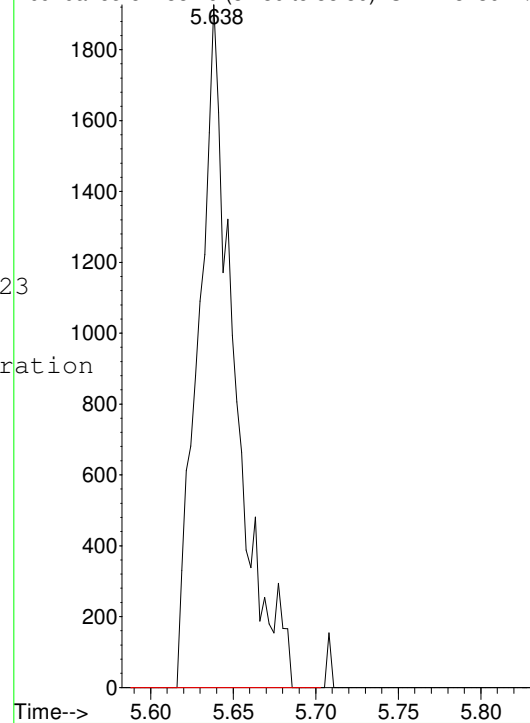
Wed Jul 05 07:26:12 2023

MIuser: MFF
Reason: Incoret Integration
RT : 5.64
Area : 2927
Amount: 79.9714

Manual Integration

1,4-DIOXANE

Abundance on 88.10 (87.80 to 88.80): C22V18430.D



VOC DEPARTMENT | PREPARATION BENCH SHEET

B344878

CON-TEST ANALYTICAL LABORATORY

Printed: 7/10/2023 4:19:16PM

Matrix: Water

Prepared using: VOC - SW-846 5030B

Surrogate used: 2303317

Lab Number	Sample Name	Sample ID Verified (Signature)	Analysis	Due Date	TAT	Initial (mL)	Final (mL)	Spike ID	Source ID	uL Spike	Location	Extraction Comments
23F4004-01	MW 08		vely Identified Comp	07/20/23 17:00	15	5	5				Refrigerator 45-2J	
23F4004-01	MW 08		8260 ASP DEC TCL	07/20/23 17:00	15	5	5				Refrigerator 45-2J	
23F4004-02	MW 3		vely Identified Comp	07/20/23 17:00	15	5	5				Refrigerator 45-2J	
23F4004-02	MW 3		8260 ASP DEC TCL	07/20/23 17:00	15	5	5				Refrigerator 45-2J	
23F4005-01	MW 06 R		8260 ASP DEC TCL	07/20/23 17:00	15	5	5				Refrigerator 45-2J	
23F4005-01	MW 06 R		vely Identified Comp	07/20/23 17:00	15	5	5				Refrigerator 45-2J	
23F4005-02	MW 1		vely Identified Comp	07/20/23 17:00	15	5	5				Refrigerator 45-2J	
23F4005-02	MW 1		8260 ASP DEC TCL	07/20/23 17:00	15	5	5				Refrigerator 45-2J	
23F4005-03	MW 2		8260 ASP DEC TCL	07/20/23 17:00	15	5	5				Refrigerator 45-2J	
23F4005-03	MW 2		vely Identified Comp	07/20/23 17:00	15	5	5				Refrigerator 45-2J	
23F4005-04	MW 4		8260 ASP DEC TCL	07/20/23 17:00	15	5	5				Refrigerator 45-2J	
23F4005-04	MW 4		vely Identified Comp	07/20/23 17:00	15	5	5				Refrigerator 45-2J	
23F4005-05	PZ 4		vely Identified Comp	07/20/23 17:00	15	5	5				Refrigerator 45-2J	
23F4005-05	PZ 4		8260 ASP DEC TCL	07/20/23 17:00	15	5	5				Refrigerator 45-2J	
23F4005-06	PZ 12		vely Identified Comp	07/20/23 17:00	15	5	5				Refrigerator 45-2J	
23F4005-06	PZ 12		8260 ASP DEC TCL	07/20/23 17:00	15	5	5				Refrigerator 45-2J	
23F4005-07	MW 5		8260 ASP DEC TCL	07/20/23 17:00	15	5	5				Refrigerator 45-2J	
23F4005-07	MW 5		vely Identified Comp	07/20/23 17:00	15	5	5				Refrigerator 45-2J	
23F4005-08	PZ 9		vely Identified Comp	07/20/23 17:00	15	5	5				Refrigerator 45-2J	
23F4005-08	PZ 9		8260 ASP DEC TCL	07/20/23 17:00	15	5	5				Refrigerator 45-2J	
23F4005-09	MW 07		8260 ASP DEC TCL	07/20/23 17:00	15	5	5				Refrigerator 45-2J	
23F4005-09	MW 07		vely Identified Comp	07/20/23 17:00	15	5	5				Refrigerator 45-2J	
23F4005-10	PZ 7		8260 ASP DEC TCL	07/20/23 17:00	15	5	5				Refrigerator 45-2J	

179

Spiking Witnessed By _____ Date _____ Preparation Reviewed By _____ Date _____ Extracts Received By _____ Date _____

VOC DEPARTMENT | PREPARATION BENCH SHEET

B344878

CON-TEST ANALYTICAL LABORATORY

Printed: 7/10/2023 4:19:16PM

Matrix: Water				Prepared using: VOC - SW-846 5030B					Surrogate used: 2303317			
Lab Number	Sample Name	Sample ID Verified (Signature)	Analysis	Due Date	TAT	Initial (mL)	Final (mL)	Spike ID	Source ID	uL Spike	Location	Extraction Comments
23F4005-10	PZ 7		Evaporatively Identified Compound	07/20/23 17:00	15	5	5				Refrigerator 45-2I	
23F4049-01	EB-0627/2023		8260 ASP DEC TCL	07/13/23 17:00	10	5	5				Refrigerator 45-2H	CAT B - Report to MDL
B344878-BLK1	Blank		QC			5	5					
B344878-BS1	LCS		QC			5	5	2305001		5		
B344878-BSD1	LCS Dup		QC			5	5	2305001		5		

7/3/23#3 2ND

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Date			Filename	Lab ID	Sample Info
3 Jul 2023	6:55	am	C22V18401.D	BFB/524 STD 10PPB	2305305
3 Jul 2023	7:22	am	C22V18402.D	B0BS1	
3 Jul 2023	7:48	am	C22V18403.D	BLK	
3 Jul 2023	8:15	am	C22V18404.D	THMRLCHK 0.5PPB	pH<2
3 Jul 2023	8:42	am	C22V18405.D	B0BLK1	Except:
3 Jul 2023	9:08	am	C22V18406.D	23F3332-05 @ TB	23F3308-06 pH 5
3 Jul 2023	9:35	am	C22V18407.D	23F3333-05 @ TB	23F3308-08 pH 5
3 Jul 2023	10:01	am	C22V18408.D	23F3426-01	23F3311-05 pH 5
3 Jul 2023	10:28	am	C22V18409.D	23F3426-02	23F3311-07 pH 5
3 Jul 2023	10:55	am	C22V18410.D	23F3533-01	23F3308-07 pH 5
3 Jul 2023	11:21	am	C22V18411.D	23F3332-01	23F3311-08 pH 5
3 Jul 2023	11:48	am	C22V18412.D	23F3332-02	
3 Jul 2023	12:15	pm	C22V18413.D	23F3332-03	
3 Jul 2023	12:42	pm	C22V18414.D	23F3333-01	
3 Jul 2023	1:08	pm	C22V18415.D	23F3333-02	
3 Jul 2023	1:35	pm	C22V18416.D	23F3333-03	
3 Jul 2023	2:02	pm	C22V18417.D	23F3546-02	No Chlorine 524.2
3 Jul 2023	2:28	pm	C22V18418.D	23F3546-03	
3 Jul 2023	2:55	pm	C22V18419.D	23F3548-02	
3 Jul 2023	3:21	pm	C22V18420.D	23F3548-03	
3 Jul 2023	3:48	pm	C22V18421.D	23F3549-01	
3 Jul 2023	4:15	pm	C22V18422.D	23F3332-04	
3 Jul 2023	4:42	pm	C22V18423.D	23F3333-04	
3 Jul 2023	5:08	pm	C22V18424.D	23F3546-01	
3 Jul 2023	5:35	pm	C22V18425.D	23F3548-01	
3 Jul 2023	6:01	pm	C22V18426.D	PRIME	
3 Jul 2023	6:28	pm	C22V18427.D	8260STD 10PPB	2305304
3 Jul 2023	6:55	pm	C22V18428.D	8260STD 10PPB	2305304
3 Jul 2023	7:21	pm	C22V18429.D	B0-BS1	
3 Jul 2023	7:48	pm	C22V18430.D	B0-BSD1	
3 Jul 2023	8:15	pm	C22V18431.D	BLK	
3 Jul 2023	8:41	pm	C22V18432.D	B0-BLK1	
3 Jul 2023	9:08	pm	C22V18433.D	23F3937-04	
3 Jul 2023	9:35	pm	C22V18434.D	23F4049-01	
3 Jul 2023	10:01	pm	C22V18435.D	23F3937-02	
3 Jul 2023	10:28	pm	C22V18436.D	23F3937-03	
3 Jul 2023	10:55	pm	C22V18437.D	23F3999-04	
3 Jul 2023	11:21	pm	C22V18438.D	23F3999-02	
3 Jul 2023	11:48	pm	C22V18439.D	23F3999-03	
4 Jul 2023	12:15	am	C22V18440.D	23F3999-01	
4 Jul 2023	12:41	am	C22V18441.D	23F4004-01	
4 Jul 2023	1:08	am	C22V18442.D	23F4005-02	
4 Jul 2023	1:35	am	C22V18443.D	23F4005-03	
4 Jul 2023	2:01	am	C22V18444.D	23F4005-04	
4 Jul 2023	2:28	am	C22V18445.D	23F4005-05	
4 Jul 2023	2:55	am	C22V18446.D	23F4005-07	
4 Jul 2023	3:21	am	C22V18447.D	23F4005-10	
4 Jul 2023	3:48	am	C22V18448.D	23F3937-01 @ 2X SULF	2
4 Jul 2023	4:15	am	C22V18449.D	23F4004-02	
4 Jul 2023	4:41	am	C22V18450.D	23F4005-09	
4 Jul 2023	5:08	am	C22V18451.D	23F3582-01RE1 @ 20X	20
4 Jul 2023	5:35	am	C22V18452.D	23F4005-01 @ 10000X	10000
4 Jul 2023	6:01	am	C22V18453.D	23F4005-06 @ 5X	5
4 Jul 2023	6:28	am	C22V18454.D	23F4005-08 @ 100X	100
4 Jul 2023	6:55	am	C22V18455.D	23F3308-02	
4 Jul 2023	7:21	am	C22V18456.D	23F3308-03	
4 Jul 2023	7:48	am	C22V18457.D	23F3308-06	
4 Jul 2023	8:14	am	C22V18458.D	23F3308-08	
4 Jul 2023	8:41	am	C22V18459.D	23F3311-02	
4 Jul 2023	9:08	am	C22V18460.D	23F3311-03	
4 Jul 2023	9:35	am	C22V18461.D	23F3311-05	
4 Jul 2023	10:01	am	C22V18462.D	23F3311-07	
4 Jul 2023	10:28	am	C22V18463.D	23F2473-01	
4 Jul 2023	10:54	am	C22V18464.D	23F2473-02	

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Date		Filename	Lab ID	Sample Info
4 Jul 2023	11:21 am	C22V18465.D	23F2473-03	
4 Jul 2023	11:48 am	C22V18466.D	23F3308-04	
4 Jul 2023	12:14 pm	C22V18467.D	23F3308-07	
4 Jul 2023	12:41 pm	C22V18468.D	23F3308-09	
4 Jul 2023	1:08 pm	C22V18469.D	23F3311-04	
4 Jul 2023	1:34 pm	C22V18470.D	23F3311-08	
4 Jul 2023	2:01 pm	C22V18471.D	23F3311-09	
4 Jul 2023	2:32 pm	C22V18472.D	DIOXBLK	
4 Jul 2023	2:59 pm	C22V18473.D	DIOXBLK	
4 Jul 2023	3:26 pm	C22V18474.D	DIOXBLK	
4 Jul 2023	3:52 pm	C22V18475.D	DIOXBLK	
4 Jul 2023	4:19 pm	C22V18476.D	DIOXSTD 10PPB	
4 Jul 2023	4:46 pm	C22V18477.D	B0-BS1	
4 Jul 2023	5:13 pm	C22V18478.D	B0-BSD1	
4 Jul 2023	5:39 pm	C22V18479.D	BLK	
4 Jul 2023	6:06 pm	C22V18480.D	B0-BLK1	
4 Jul 2023	6:33 pm	C22V18481.D	23F3426-01	
4 Jul 2023	7:00 pm	C22V18482.D	23F3426-02	
4 Jul 2023	7:26 pm	C22V18483.D	23F3426-03	
4 Jul 2023	7:53 pm	C22V18484.D	23F3426-04	
4 Jul 2023	8:20 pm	C22V18485.D	23F3310-01	
4 Jul 2023	8:47 pm	C22V18486.D	BLK	
4 Jul 2023	9:13 pm	C22V18487.D	BLK	

Data Package



ANALYTICAL. LIFE. SERVICE.

August 7, 2023

Stephen Catalfamo
NYDEC_AECOM - Buffalo, NY
50 Lakefront Blvd., Suite 111
Buffalo, NY 14202

Project Location: Binghamton, NY
Client Job Number:
Project Number: 704015
Laboratory Work Order Number: 23G3932

Enclosed are results of analyses for samples as received by the laboratory on July 28, 2023. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kyle K. Stuckey
Project Manager

Table of Contents

Sample Summary	4
Case Narrative	5
Sample Results	7
23G3932-01	7
23G3932-02	9
23G3932-03	11
23G3932-04	13
23G3932-05	15
23G3932-06	17
23G3932-07	19
23G3932-08	21
23G3932-09	23
23G3932-10	25
23G3932-11	27
23G3932-12	29
23G3932-13	31
23G3932-14	33
23G3932-15	35
23G3932-16	37
23G3932-17	39
23G3932-18	41
Sample Preparation Information	43
QC Data	44
Volatile Organic Compounds by GC/MS	44
B347625	44

Table of Contents (continued)

Flag/Qualifier Summary	50
Certifications	51
Chain of Custody/Sample Receipt	53

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

NYDEC_AECOM - Buffalo, NY
50 Lakefront Blvd., Suite 111
Buffalo, NY 14202
ATTN: Stephen Catalfamo

REPORT DATE: 8/7/2023

PURCHASE ORDER NUMBER: 147580

PROJECT NUMBER: 704015

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 23G3932

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: Binghamton, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
MW-06	23G3932-01	Ground Water		SW-846 8260D	
MW-11	23G3932-02	Ground Water		SW-846 8260D	
MW-10	23G3932-03	Ground Water		SW-846 8260D	
MW-04	23G3932-04	Ground Water		SW-846 8260D	
MW-28R	23G3932-05	Ground Water		SW-846 8260D	
MW-26	23G3932-06	Ground Water		SW-846 8260D	
MW-15	23G3932-07	Ground Water		SW-846 8260D	
MW-07-06	23G3932-08	Ground Water		SW-846 8260D	
MW-20	23G3932-09	Ground Water		SW-846 8260D	
MW-07-05	23G3932-10	Ground Water		SW-846 8260D	
MW-07-08	23G3932-11	Ground Water		SW-846 8260D	
MW-07-09	23G3932-12	Ground Water		SW-846 8260D	
MW-25	23G3932-13	Ground Water		SW-846 8260D	
NW-06	23G3932-14	Ground Water		SW-846 8260D	
MW-17	23G3932-15	Ground Water		SW-846 8260D	
FD-270723	23G3932-16	Ground Water		SW-846 8260D	
NW-05	23G3932-17	Ground Water		SW-846 8260D	
TB-270723	23G3932-18	Trip Blank Water		SW-846 8260D	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

SW-846 8260D

Qualifications:

MS-15

Matrix spike and matrix spike duplicate recoveries are outside of control limits. Data validation is not affected since results for this compound in this sample are "not detected", and recovery bias is on the high side.

Analyte & Samples(s) Qualified:

Bromomethane

B347625-MS1, B347625-MSD1

MS-24

Either matrix spike or matrix spike duplicate is outside of control limits, but the other is within limits. Analysis is in control based on laboratory fortified blank recovery.

Analyte & Samples(s) Qualified:

1,2,4-Trichlorobenzene

B347625-MS1

Dichlorodifluoromethane (Freon 12)

B347625-MSD1

V-05

Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

Analyte & Samples(s) Qualified:

1,2-Dibromo-3-chloropropane (DBCP)

23G3932-01[MW-06], 23G3932-02[MW-11], 23G3932-03[MW-10], 23G3932-04[MW-04], 23G3932-05[MW-28R], 23G3932-06[MW-26], 23G3932-07[MW-15], 23G3932-08[MW-07-06], 23G3932-09[MW-20], 23G3932-10[MW-07-05], 23G3932-11[MW-07-08], 23G3932-12[MW-07-09], 23G3932-13[MW-25], 23G3932-14[NW-06], 23G3932-15[MW-17], 23G3932-16[FD-270723], 23G3932-17[NW-05], 23G3932-18[TB-270723], B347625-BLK1, B347625-BS1, B347625-BSD1, B347625-MS1, B347625-MSD1, S091452-CCV1

Carbon Tetrachloride

23G3932-01[MW-06], 23G3932-02[MW-11], 23G3932-03[MW-10], 23G3932-04[MW-04], 23G3932-05[MW-28R], 23G3932-06[MW-26], 23G3932-07[MW-15], 23G3932-08[MW-07-06], 23G3932-09[MW-20], 23G3932-10[MW-07-05], 23G3932-11[MW-07-08], 23G3932-12[MW-07-09], 23G3932-13[MW-25], 23G3932-14[NW-06], 23G3932-15[MW-17], 23G3932-16[FD-270723], 23G3932-17[NW-05], 23G3932-18[TB-270723], B347625-BLK1, B347625-BS1, B347625-BSD1, B347625-MS1, B347625-MSD1, S091452-CCV1

Methyl Acetate

23G3932-01[MW-06], 23G3932-02[MW-11], 23G3932-03[MW-10], 23G3932-04[MW-04], 23G3932-05[MW-28R], 23G3932-06[MW-26], 23G3932-07[MW-15], 23G3932-08[MW-07-06], 23G3932-09[MW-20], 23G3932-10[MW-07-05], 23G3932-11[MW-07-08], 23G3932-12[MW-07-09], 23G3932-13[MW-25], 23G3932-14[NW-06], 23G3932-15[MW-17], 23G3932-16[FD-270723], 23G3932-17[NW-05], 23G3932-18[TB-270723], B347625-BLK1, B347625-BS1, B347625-BSD1, B347625-MS1, B347625-MSD1, S091452-CCV1

V-06

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side for this compound.

Analyte & Samples(s) Qualified:

Acetone

23G3932-15[MW-17], B347625-BS1, B347625-BSD1, B347625-MS1, B347625-MSD1, S091452-CCV1

V-20

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

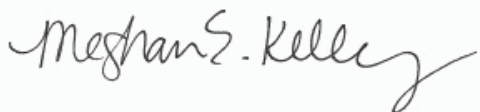
Analyte & Samples(s) Qualified:

Bromomethane

B347625-BS1, B347625-BSD1, B347625-MS1, B347625-MSD1, S091452-CCV1

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Meghan E. Kelley
Reporting Specialist

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Binghamton, NY

Sample Description:

Work Order: 23G3932

Date Received: 7/28/2023

Sampled: 7/27/2023 10:55

Field Sample #: MW-06

Sample ID: 23G3932-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:27	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:27	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:27	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:27	MFF
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:27	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:27	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:27	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:27	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1	V-05	SW-846 8260D	8/1/23	8/3/23 1:27	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:27	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:27	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:27	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:27	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:27	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:27	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1	V-05	SW-846 8260D	8/1/23	8/3/23 1:27	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:27	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:27	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:27	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:27	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:27	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:27	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:27	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:27	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:27	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:27	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:27	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:27	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:27	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:27	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:27	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:27	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:27	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1	V-05	SW-846 8260D	8/1/23	8/3/23 1:27	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:27	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:27	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:27	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:27	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:27	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:27	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:27	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:27	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:27	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:27	MFF

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Binghamton, NY

Sample Description:

Work Order: 23G3932

Date Received: 7/28/2023

Field Sample #: MW-06

Sampled: 7/27/2023 10:55

Sample ID: 23G3932-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:27	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:27	MFF
Trichloroethylene	1.4	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:27	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:27	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:27	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:27	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:27	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	98.2	70-130	
Toluene-d8	98.6	70-130	
4-Bromofluorobenzene	87.6	70-130	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Binghamton, NY

Sample Description:

Work Order: 23G3932

Date Received: 7/28/2023

Sampled: 7/27/2023 11:05

Field Sample #: MW-11

Sample ID: 23G3932-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:54	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:54	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:54	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:54	MFF
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:54	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:54	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:54	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:54	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1	V-05	SW-846 8260D	8/1/23	8/3/23 1:54	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:54	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:54	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:54	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:54	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:54	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:54	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1	V-05	SW-846 8260D	8/1/23	8/3/23 1:54	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:54	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:54	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:54	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:54	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:54	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:54	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:54	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:54	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:54	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:54	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:54	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:54	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:54	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:54	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:54	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:54	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:54	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1	V-05	SW-846 8260D	8/1/23	8/3/23 1:54	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:54	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:54	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:54	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:54	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:54	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:54	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:54	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:54	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:54	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:54	MFF

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Binghamton, NY

Sample Description:

Work Order: 23G3932

Date Received: 7/28/2023

Sampled: 7/27/2023 11:05

Field Sample #: MW-11

Sample ID: 23G3932-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	0.42	1.0	0.15	µg/L	1	J	SW-846 8260D	8/1/23	8/3/23 1:54	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:54	MFF
Trichloroethylene	0.79	1.0	0.17	µg/L	1	J	SW-846 8260D	8/1/23	8/3/23 1:54	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:54	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:54	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:54	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:54	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	95.5	70-130	
Toluene-d8	97.4	70-130	
4-Bromofluorobenzene	87.0	70-130	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Binghamton, NY

Sample Description:

Work Order: 23G3932

Date Received: 7/28/2023

Sampled: 7/27/2023 11:15

Field Sample #: MW-10

Sample ID: 23G3932-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:21	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:21	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:21	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:21	MFF
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:21	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:21	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:21	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:21	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1	V-05	SW-846 8260D	8/1/23	8/3/23 2:21	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:21	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:21	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:21	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:21	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:21	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:21	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1	V-05	SW-846 8260D	8/1/23	8/3/23 2:21	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:21	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:21	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:21	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:21	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:21	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:21	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:21	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:21	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:21	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:21	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:21	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:21	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:21	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:21	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:21	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:21	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:21	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1	V-05	SW-846 8260D	8/1/23	8/3/23 2:21	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:21	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:21	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:21	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:21	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:21	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:21	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:21	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:21	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:21	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:21	MFF

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Binghamton, NY

Sample Description:

Work Order: 23G3932

Date Received: 7/28/2023

Sampled: 7/27/2023 11:15

Field Sample #: MW-10

Sample ID: 23G3932-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	0.37	1.0	0.15	µg/L	1	J	SW-846 8260D	8/1/23	8/3/23 2:21	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:21	MFF
Trichloroethylene	0.54	1.0	0.17	µg/L	1	J	SW-846 8260D	8/1/23	8/3/23 2:21	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:21	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:21	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:21	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:21	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	99.2	70-130	
Toluene-d8	98.3	70-130	
4-Bromofluorobenzene	85.8	70-130	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Binghamton, NY

Sample Description:

Work Order: 23G3932

Date Received: 7/28/2023

Sampled: 7/27/2023 11:25

Field Sample #: MW-04

Sample ID: 23G3932-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:47	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:47	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:47	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:47	MFF
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:47	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:47	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:47	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:47	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1	V-05	SW-846 8260D	8/1/23	8/3/23 2:47	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:47	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:47	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:47	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:47	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:47	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:47	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1	V-05	SW-846 8260D	8/1/23	8/3/23 2:47	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:47	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:47	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:47	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:47	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:47	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:47	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:47	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:47	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:47	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:47	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:47	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:47	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:47	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:47	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:47	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:47	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:47	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1	V-05	SW-846 8260D	8/1/23	8/3/23 2:47	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:47	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:47	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:47	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:47	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:47	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:47	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:47	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:47	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:47	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:47	MFF

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Binghamton, NY

Sample Description:

Work Order: 23G3932

Date Received: 7/28/2023

Sampled: 7/27/2023 11:25

Field Sample #: MW-04

Sample ID: 23G3932-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	0.51	1.0	0.15	µg/L	1	J	SW-846 8260D	8/1/23	8/3/23 2:47	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:47	MFF
Trichloroethylene	0.27	1.0	0.17	µg/L	1	J	SW-846 8260D	8/1/23	8/3/23 2:47	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:47	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1.5	1.0	0.21	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:47	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:47	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	8/1/23	8/3/23 2:47	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	98.3	70-130	
Toluene-d8	101	70-130	
4-Bromofluorobenzene	86.1	70-130	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Binghamton, NY

Sample Description:

Work Order: 23G3932

Date Received: 7/28/2023

Field Sample #: MW-28R

Sampled: 7/27/2023 11:40

Sample ID: 23G3932-05

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:14	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:14	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:14	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:14	MFF
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:14	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:14	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:14	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:14	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1	V-05	SW-846 8260D	8/1/23	8/3/23 3:14	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:14	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:14	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:14	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:14	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:14	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:14	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1	V-05	SW-846 8260D	8/1/23	8/3/23 3:14	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:14	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:14	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:14	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:14	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:14	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:14	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:14	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:14	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:14	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:14	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:14	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:14	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:14	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:14	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:14	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:14	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:14	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1	V-05	SW-846 8260D	8/1/23	8/3/23 3:14	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:14	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:14	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:14	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:14	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:14	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:14	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:14	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:14	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:14	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:14	MFF

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Binghamton, NY

Sample Description:

Work Order: 23G3932

Date Received: 7/28/2023

Sampled: 7/27/2023 11:40

Field Sample #: MW-28R

Sample ID: 23G3932-05

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:14	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:14	MFF
Trichloroethylene	0.51	1.0	0.17	µg/L	1	J	SW-846 8260D	8/1/23	8/3/23 3:14	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:14	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:14	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:14	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:14	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	96.9	70-130	
Toluene-d8	101	70-130	
4-Bromofluorobenzene	86.5	70-130	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Binghamton, NY

Sample Description:

Work Order: 23G3932

Date Received: 7/28/2023

Sampled: 7/27/2023 11:55

Field Sample #: MW-26

Sample ID: 23G3932-06

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:41	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:41	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:41	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:41	MFF
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:41	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:41	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:41	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:41	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1	V-05	SW-846 8260D	8/1/23	8/3/23 3:41	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:41	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:41	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:41	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:41	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:41	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:41	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1	V-05	SW-846 8260D	8/1/23	8/3/23 3:41	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:41	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:41	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:41	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:41	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:41	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:41	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:41	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:41	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:41	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:41	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:41	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:41	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:41	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:41	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:41	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:41	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:41	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1	V-05	SW-846 8260D	8/1/23	8/3/23 3:41	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:41	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:41	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:41	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:41	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:41	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:41	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:41	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:41	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:41	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:41	MFF

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Binghamton, NY

Sample Description:

Work Order: 23G3932

Date Received: 7/28/2023

Field Sample #: MW-26

Sampled: 7/27/2023 11:55

Sample ID: 23G3932-06

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:41	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:41	MFF
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:41	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:41	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:41	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:41	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	8/1/23	8/3/23 3:41	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	104	70-130	
Toluene-d8	101	70-130	
4-Bromofluorobenzene	85.2	70-130	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Binghamton, NY

Sample Description:

Work Order: 23G3932

Date Received: 7/28/2023

Sampled: 7/27/2023 12:10

Field Sample #: MW-15

Sample ID: 23G3932-07

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:07	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:07	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:07	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:07	MFF
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:07	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:07	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:07	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:07	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1	V-05	SW-846 8260D	8/1/23	8/3/23 4:07	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:07	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:07	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:07	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:07	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:07	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:07	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1	V-05	SW-846 8260D	8/1/23	8/3/23 4:07	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:07	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:07	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:07	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:07	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:07	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:07	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:07	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:07	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:07	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:07	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:07	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:07	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:07	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:07	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:07	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:07	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:07	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1	V-05	SW-846 8260D	8/1/23	8/3/23 4:07	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:07	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:07	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:07	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:07	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:07	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:07	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:07	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:07	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:07	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:07	MFF

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Binghamton, NY

Sample Description:

Work Order: 23G3932

Date Received: 7/28/2023

Sampled: 7/27/2023 12:10

Field Sample #: MW-15

Sample ID: 23G3932-07

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	0.20	1.0	0.15	µg/L	1	J	SW-846 8260D	8/1/23	8/3/23 4:07	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:07	MFF
Trichloroethylene	0.41	1.0	0.17	µg/L	1	J	SW-846 8260D	8/1/23	8/3/23 4:07	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:07	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:07	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:07	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:07	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	103	70-130	
Toluene-d8	98.8	70-130	
4-Bromofluorobenzene	85.8	70-130	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Binghamton, NY

Sample Description:

Work Order: 23G3932

Date Received: 7/28/2023

Field Sample #: MW-07-06

Sampled: 7/27/2023 12:20

Sample ID: 23G3932-08

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:34	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:34	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:34	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:34	MFF
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:34	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:34	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:34	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:34	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1	V-05	SW-846 8260D	8/1/23	8/3/23 4:34	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:34	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:34	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:34	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:34	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:34	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:34	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1	V-05	SW-846 8260D	8/1/23	8/3/23 4:34	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:34	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:34	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:34	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:34	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:34	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:34	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:34	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:34	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:34	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:34	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:34	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:34	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:34	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:34	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:34	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:34	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:34	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1	V-05	SW-846 8260D	8/1/23	8/3/23 4:34	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:34	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:34	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:34	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:34	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:34	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:34	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:34	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:34	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:34	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:34	MFF

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Binghamton, NY

Sample Description:

Work Order: 23G3932

Date Received: 7/28/2023

Field Sample #: MW-07-06

Sampled: 7/27/2023 12:20

Sample ID: 23G3932-08

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:34	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:34	MFF
Trichloroethylene	0.41	1.0	0.17	µg/L	1	J	SW-846 8260D	8/1/23	8/3/23 4:34	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:34	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:34	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:34	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	8/1/23	8/3/23 4:34	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	99.7	70-130	
Toluene-d8	104	70-130	
4-Bromofluorobenzene	87.3	70-130	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Binghamton, NY

Sample Description:

Work Order: 23G3932

Date Received: 7/28/2023

Sampled: 7/27/2023 12:25

Field Sample #: MW-20

Sample ID: 23G3932-09

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:01	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:01	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:01	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:01	MFF
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:01	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:01	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:01	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:01	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1	V-05	SW-846 8260D	8/1/23	8/3/23 5:01	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:01	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:01	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:01	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:01	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:01	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:01	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1	V-05	SW-846 8260D	8/1/23	8/3/23 5:01	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:01	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:01	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:01	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:01	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:01	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:01	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:01	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:01	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:01	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:01	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:01	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:01	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:01	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:01	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:01	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:01	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:01	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1	V-05	SW-846 8260D	8/1/23	8/3/23 5:01	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:01	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:01	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:01	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:01	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:01	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:01	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:01	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:01	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:01	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:01	MFF

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Binghamton, NY

Sample Description:

Work Order: 23G3932

Date Received: 7/28/2023

Sampled: 7/27/2023 12:25

Field Sample #: MW-20

Sample ID: 23G3932-09

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:01	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:01	MFF
Trichloroethylene	0.30	1.0	0.17	µg/L	1	J	SW-846 8260D	8/1/23	8/3/23 5:01	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:01	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:01	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:01	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:01	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	98.9	70-130	
Toluene-d8	98.1	70-130	
4-Bromofluorobenzene	84.5	70-130	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Binghamton, NY

Sample Description:

Work Order: 23G3932

Date Received: 7/28/2023

Field Sample #: MW-07-05

Sampled: 7/27/2023 12:35

Sample ID: 23G3932-10

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:27	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:27	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:27	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:27	MFF
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:27	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:27	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:27	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:27	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1	V-05	SW-846 8260D	8/1/23	8/3/23 5:27	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:27	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:27	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:27	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:27	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:27	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:27	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1	V-05	SW-846 8260D	8/1/23	8/3/23 5:27	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:27	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:27	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:27	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:27	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:27	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:27	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:27	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:27	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:27	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:27	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:27	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:27	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:27	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:27	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:27	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:27	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:27	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1	V-05	SW-846 8260D	8/1/23	8/3/23 5:27	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:27	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:27	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:27	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:27	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:27	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:27	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:27	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:27	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:27	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:27	MFF

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Binghamton, NY

Sample Description:

Work Order: 23G3932

Date Received: 7/28/2023

Field Sample #: MW-07-05

Sampled: 7/27/2023 12:35

Sample ID: 23G3932-10

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:27	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:27	MFF
Trichloroethylene	0.45	1.0	0.17	µg/L	1	J	SW-846 8260D	8/1/23	8/3/23 5:27	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:27	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:27	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:27	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:27	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	99.0	70-130	
Toluene-d8	101	70-130	
4-Bromofluorobenzene	85.4	70-130	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Binghamton, NY

Sample Description:

Work Order: 23G3932

Date Received: 7/28/2023

Field Sample #: MW-07-08

Sampled: 7/27/2023 12:50

Sample ID: 23G3932-11

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:51	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:51	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:51	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:51	MFF
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:51	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:51	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:51	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:51	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1	V-05	SW-846 8260D	8/1/23	8/3/23 5:51	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:51	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:51	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:51	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:51	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:51	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:51	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1	V-05	SW-846 8260D	8/1/23	8/3/23 5:51	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:51	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:51	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:51	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:51	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:51	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:51	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:51	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:51	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:51	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:51	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:51	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:51	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:51	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:51	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:51	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:51	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:51	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1	V-05	SW-846 8260D	8/1/23	8/3/23 5:51	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:51	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:51	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:51	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:51	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:51	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:51	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:51	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:51	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:51	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:51	MFF

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Binghamton, NY

Sample Description:

Work Order: 23G3932

Date Received: 7/28/2023

Field Sample #: MW-07-08

Sampled: 7/27/2023 12:50

Sample ID: 23G3932-11

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:51	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:51	MFF
Trichloroethylene	0.44	1.0	0.17	µg/L	1	J	SW-846 8260D	8/1/23	8/3/23 5:51	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:51	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:51	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:51	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	8/1/23	8/3/23 5:51	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	103	70-130	
Toluene-d8	100	70-130	
4-Bromofluorobenzene	87.4	70-130	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Binghamton, NY

Sample Description:

Work Order: 23G3932

Date Received: 7/28/2023

Field Sample #: MW-07-09

Sampled: 7/27/2023 13:45

Sample ID: 23G3932-12

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:18	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:18	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:18	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:18	MFF
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:18	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:18	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:18	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:18	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1	V-05	SW-846 8260D	8/1/23	8/3/23 6:18	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:18	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:18	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:18	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:18	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:18	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:18	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1	V-05	SW-846 8260D	8/1/23	8/3/23 6:18	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:18	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:18	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:18	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:18	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:18	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:18	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:18	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:18	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:18	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:18	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:18	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:18	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:18	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:18	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:18	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:18	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:18	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1	V-05	SW-846 8260D	8/1/23	8/3/23 6:18	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:18	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:18	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:18	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:18	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:18	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:18	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:18	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:18	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:18	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:18	MFF

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Binghamton, NY

Sample Description:

Work Order: 23G3932

Date Received: 7/28/2023

Field Sample #: MW-07-09

Sampled: 7/27/2023 13:45

Sample ID: 23G3932-12

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:18	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:18	MFF
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:18	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:18	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:18	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:18	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:18	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	98.3	70-130	
Toluene-d8	97.6	70-130	
4-Bromofluorobenzene	83.8	70-130	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Binghamton, NY

Sample Description:

Work Order: 23G3932

Date Received: 7/28/2023

Field Sample #: MW-25

Sampled: 7/27/2023 13:55

Sample ID: 23G3932-13

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:45	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:45	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:45	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:45	MFF
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:45	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:45	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:45	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:45	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1	V-05	SW-846 8260D	8/1/23	8/3/23 6:45	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:45	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:45	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:45	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:45	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:45	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:45	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1	V-05	SW-846 8260D	8/1/23	8/3/23 6:45	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:45	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:45	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:45	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:45	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:45	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:45	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:45	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:45	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:45	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:45	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:45	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:45	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:45	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:45	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:45	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:45	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:45	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1	V-05	SW-846 8260D	8/1/23	8/3/23 6:45	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:45	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:45	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:45	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:45	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:45	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:45	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:45	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:45	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:45	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:45	MFF

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Binghamton, NY

Sample Description:

Work Order: 23G3932

Date Received: 7/28/2023

Sampled: 7/27/2023 13:55

Field Sample #: MW-25

Sample ID: 23G3932-13

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	0.25	1.0	0.15	µg/L	1	J	SW-846 8260D	8/1/23	8/3/23 6:45	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:45	MFF
Trichloroethylene	0.75	1.0	0.17	µg/L	1	J	SW-846 8260D	8/1/23	8/3/23 6:45	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:45	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:45	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:45	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	8/1/23	8/3/23 6:45	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	104	70-130	
Toluene-d8	99.7	70-130	
4-Bromofluorobenzene	84.2	70-130	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Binghamton, NY

Sample Description:

Work Order: 23G3932

Date Received: 7/28/2023

Field Sample #: NW-06

Sampled: 7/27/2023 14:05

Sample ID: 23G3932-14

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:11	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:11	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:11	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:11	MFF
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:11	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:11	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:11	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:11	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1	V-05	SW-846 8260D	8/1/23	8/3/23 7:11	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:11	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:11	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:11	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:11	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:11	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:11	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1	V-05	SW-846 8260D	8/1/23	8/3/23 7:11	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:11	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:11	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:11	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:11	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:11	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:11	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:11	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:11	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:11	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:11	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:11	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:11	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:11	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:11	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:11	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:11	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:11	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1	V-05	SW-846 8260D	8/1/23	8/3/23 7:11	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:11	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:11	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:11	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:11	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:11	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:11	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:11	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:11	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:11	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:11	MFF

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Binghamton, NY

Sample Description:

Work Order: 23G3932

Date Received: 7/28/2023

Sampled: 7/27/2023 14:05

Field Sample #: NW-06

Sample ID: 23G3932-14

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	0.54	1.0	0.15	µg/L	1	J	SW-846 8260D	8/1/23	8/3/23 7:11	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:11	MFF
Trichloroethylene	0.47	1.0	0.17	µg/L	1	J	SW-846 8260D	8/1/23	8/3/23 7:11	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:11	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.93	1.0	0.21	µg/L	1	J	SW-846 8260D	8/1/23	8/3/23 7:11	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:11	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:11	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	104	70-130	
Toluene-d8	101	70-130	
4-Bromofluorobenzene	86.1	70-130	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Binghamton, NY

Sample Description:

Work Order: 23G3932

Date Received: 7/28/2023

Field Sample #: MW-17

Sampled: 7/27/2023 14:30

Sample ID: 23G3932-15

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	3.3	50	2.0	µg/L	1	V-06, J	SW-846 8260D	8/1/23	8/3/23 7:38	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:38	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:38	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:38	MFF
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:38	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:38	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:38	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:38	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1	V-05	SW-846 8260D	8/1/23	8/3/23 7:38	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:38	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:38	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:38	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:38	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:38	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:38	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1	V-05	SW-846 8260D	8/1/23	8/3/23 7:38	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:38	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:38	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:38	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:38	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:38	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:38	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:38	MFF
1,1-Dichloroethylene	1.9	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:38	MFF
cis-1,2-Dichloroethylene	0.32	1.0	0.14	µg/L	1	J	SW-846 8260D	8/1/23	8/3/23 7:38	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:38	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:38	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:38	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:38	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:38	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:38	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:38	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:38	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1	V-05	SW-846 8260D	8/1/23	8/3/23 7:38	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:38	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:38	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:38	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:38	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:38	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:38	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:38	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:38	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:38	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:38	MFF

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Binghamton, NY

Sample Description:

Work Order: 23G3932

Date Received: 7/28/2023

Field Sample #: MW-17

Sampled: 7/27/2023 14:30

Sample ID: 23G3932-15

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	2.1	1.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:38	MFF
1,1,2-Trichloroethane	0.82	1.0	0.19	µg/L	1	J	SW-846 8260D	8/1/23	8/3/23 7:38	MFF
Trichloroethylene	38	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:38	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:38	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:38	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:38	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	8/1/23	8/3/23 7:38	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	104	70-130	
Toluene-d8	98.2	70-130	
4-Bromofluorobenzene	83.6	70-130	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Binghamton, NY

Sample Description:

Work Order: 23G3932

Date Received: 7/28/2023

Field Sample #: FD-270723

Sampled: 7/27/2023 00:00

Sample ID: 23G3932-16

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:04	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:04	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:04	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:04	MFF
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:04	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:04	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:04	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:04	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1	V-05	SW-846 8260D	8/1/23	8/3/23 8:04	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:04	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:04	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:04	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:04	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:04	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:04	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1	V-05	SW-846 8260D	8/1/23	8/3/23 8:04	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:04	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:04	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:04	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:04	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:04	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:04	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:04	MFF
1,1-Dichloroethylene	2.1	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:04	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:04	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:04	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:04	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:04	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:04	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:04	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:04	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:04	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:04	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1	V-05	SW-846 8260D	8/1/23	8/3/23 8:04	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:04	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:04	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:04	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:04	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:04	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:04	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:04	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:04	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:04	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:04	MFF

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Binghamton, NY

Sample Description:

Work Order: 23G3932

Date Received: 7/28/2023

Field Sample #: FD-270723

Sampled: 7/27/2023 00:00

Sample ID: 23G3932-16

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	2.1	1.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:04	MFF
1,1,2-Trichloroethane	0.77	1.0	0.19	µg/L	1	J	SW-846 8260D	8/1/23	8/3/23 8:04	MFF
Trichloroethylene	38	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:04	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:04	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:04	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:04	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:04	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	102	70-130	
Toluene-d8	99.4	70-130	
4-Bromofluorobenzene	84.9	70-130	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Binghamton, NY

Sample Description:

Work Order: 23G3932

Date Received: 7/28/2023

Field Sample #: NW-05

Sampled: 7/27/2023 14:55

Sample ID: 23G3932-17

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:31	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:31	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:31	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:31	MFF
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:31	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:31	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:31	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:31	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1	V-05	SW-846 8260D	8/1/23	8/3/23 8:31	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:31	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:31	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:31	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:31	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:31	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:31	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1	V-05	SW-846 8260D	8/1/23	8/3/23 8:31	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:31	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:31	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:31	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:31	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:31	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:31	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:31	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:31	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:31	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:31	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:31	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:31	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:31	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:31	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:31	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:31	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:31	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1	V-05	SW-846 8260D	8/1/23	8/3/23 8:31	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:31	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:31	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:31	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:31	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:31	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:31	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:31	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:31	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:31	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:31	MFF

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Binghamton, NY

Sample Description:

Work Order: 23G3932

Date Received: 7/28/2023

Field Sample #: NW-05

Sampled: 7/27/2023 14:55

Sample ID: 23G3932-17

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	0.43	1.0	0.15	µg/L	1	J	SW-846 8260D	8/1/23	8/3/23 8:31	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:31	MFF
Trichloroethylene	0.64	1.0	0.17	µg/L	1	J	SW-846 8260D	8/1/23	8/3/23 8:31	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:31	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	2.1	1.0	0.21	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:31	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:31	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	8/1/23	8/3/23 8:31	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	102	70-130	
Toluene-d8	99.2	70-130	
4-Bromofluorobenzene	84.0	70-130	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Binghamton, NY

Sample Description:

Work Order: 23G3932

Date Received: 7/28/2023

Field Sample #: TB-270723

Sampled: 7/27/2023 00:00

Sample ID: 23G3932-18

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:01	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:01	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:01	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:01	MFF
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:01	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:01	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:01	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:01	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1	V-05	SW-846 8260D	8/1/23	8/3/23 1:01	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:01	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:01	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:01	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:01	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:01	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:01	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1	V-05	SW-846 8260D	8/1/23	8/3/23 1:01	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:01	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:01	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:01	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:01	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:01	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:01	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:01	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:01	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:01	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:01	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:01	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:01	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:01	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:01	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:01	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:01	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:01	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1	V-05	SW-846 8260D	8/1/23	8/3/23 1:01	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:01	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:01	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:01	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:01	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:01	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:01	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:01	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:01	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:01	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:01	MFF

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Binghamton, NY

Sample Description:

Work Order: 23G3932

Date Received: 7/28/2023

Field Sample #: TB-270723

Sampled: 7/27/2023 00:00

Sample ID: 23G3932-18

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:01	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:01	MFF
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:01	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:01	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:01	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:01	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	8/1/23	8/3/23 1:01	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	98.2	70-130	
Toluene-d8	100	70-130	
4-Bromofluorobenzene	87.0	70-130	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Extraction Data

Prep Method:SW-846 5030B Analytical Method:SW-846 8260D

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23G3932-01 [MW-06]	B347625	5	5.00	08/01/23
23G3932-02 [MW-11]	B347625	5	5.00	08/01/23
23G3932-03 [MW-10]	B347625	5	5.00	08/01/23
23G3932-04 [MW-04]	B347625	5	5.00	08/01/23
23G3932-05 [MW-28R]	B347625	5	5.00	08/01/23
23G3932-06 [MW-26]	B347625	5	5.00	08/01/23
23G3932-07 [MW-15]	B347625	5	5.00	08/01/23
23G3932-08 [MW-07-06]	B347625	5	5.00	08/01/23
23G3932-09 [MW-20]	B347625	5	5.00	08/01/23
23G3932-10 [MW-07-05]	B347625	5	5.00	08/01/23
23G3932-11 [MW-07-08]	B347625	5	5.00	08/01/23
23G3932-12 [MW-07-09]	B347625	5	5.00	08/01/23
23G3932-13 [MW-25]	B347625	5	5.00	08/01/23
23G3932-14 [NW-06]	B347625	5	5.00	08/01/23
23G3932-15 [MW-17]	B347625	5	5.00	08/01/23
23G3932-16 [FD-270723]	B347625	5	5.00	08/01/23
23G3932-17 [NW-05]	B347625	5	5.00	08/01/23
23G3932-18 [TB-270723]	B347625	5	5.00	08/01/23

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Batch B347625 - SW-846 5030B
Blank (B347625-BLK1)

Prepared: 08/01/23 Analyzed: 08/03/23

Acetone	ND	50	µg/L							
Benzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							
Bromomethane	ND	2.0	µg/L							
2-Butanone (MEK)	ND	20	µg/L							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	5.0	µg/L							V-05
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							
Cyclohexane	ND	5.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							V-05
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	1.0	µg/L							
1,3-Dichlorobenzene	ND	1.0	µg/L							
1,4-Dichlorobenzene	ND	1.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L							
1,1-Dichloroethane	ND	1.0	µg/L							
1,2-Dichloroethane	ND	1.0	µg/L							
1,1-Dichloroethylene	ND	1.0	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	1.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
1,4-Dioxane	ND	50	µg/L							
Ethylbenzene	ND	1.0	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
Methyl Acetate	ND	1.0	µg/L							V-05
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							
Methyl Cyclohexane	ND	1.0	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L							
Styrene	ND	1.0	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							
Tetrachloroethylene	ND	1.0	µg/L							
Toluene	ND	1.0	µg/L							
1,2,3-Trichlorobenzene	ND	5.0	µg/L							
1,2,4-Trichlorobenzene	ND	1.0	µg/L							
1,1,1-Trichloroethane	ND	1.0	µg/L							
1,1,2-Trichloroethane	ND	1.0	µg/L							
Trichloroethylene	ND	1.0	µg/L							
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L							
Vinyl Chloride	ND	2.0	µg/L							
m+p Xylene	ND	2.0	µg/L							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B347625 - SW-846 5030B										
Blank (B347625-BLK1)										
Prepared: 08/01/23 Analyzed: 08/03/23										
o-Xylene	ND	1.0	µg/L							
Xylenes (total)	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	23.9		µg/L	25.0		95.7	70-130			
Surrogate: Toluene-d8	24.6		µg/L	25.0		98.6	70-130			
Surrogate: 4-Bromofluorobenzene	21.9		µg/L	25.0		87.5	70-130			
LCS (B347625-BS1)										
Prepared: 08/01/23 Analyzed: 08/02/23										
Acetone	82.9	50	µg/L	100		82.9	70-160			V-06 †
Benzene	10.4	1.0	µg/L	10.0		104	70-130			
Bromochloromethane	10.1	1.0	µg/L	10.0		101	70-130			
Bromodichloromethane	9.31	0.50	µg/L	10.0		93.1	70-130			
Bromoform	8.15	1.0	µg/L	10.0		81.5	70-130			
Bromomethane	13.4	2.0	µg/L	10.0		134	40-160			V-20 †
2-Butanone (MEK)	96.5	20	µg/L	100		96.5	40-160			†
Carbon Disulfide	98.7	5.0	µg/L	100		98.7	70-130			
Carbon Tetrachloride	7.47	5.0	µg/L	10.0		74.7	70-130			V-05
Chlorobenzene	10.3	1.0	µg/L	10.0		103	70-130			
Chlorodibromomethane	9.24	0.50	µg/L	10.0		92.4	70-130			
Chloroethane	9.32	2.0	µg/L	10.0		93.2	70-130			
Chloroform	9.46	2.0	µg/L	10.0		94.6	70-130			
Chloromethane	10.3	2.0	µg/L	10.0		103	40-160			†
Cyclohexane	9.49	5.0	µg/L	10.0		94.9	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	7.48	5.0	µg/L	10.0		74.8	70-130			V-05
1,2-Dibromoethane (EDB)	9.87	0.50	µg/L	10.0		98.7	70-130			
1,2-Dichlorobenzene	10.1	1.0	µg/L	10.0		101	70-130			
1,3-Dichlorobenzene	10.3	1.0	µg/L	10.0		103	70-130			
1,4-Dichlorobenzene	10.1	1.0	µg/L	10.0		101	70-130			
Dichlorodifluoromethane (Freon 12)	11.2	2.0	µg/L	10.0		112	40-160			†
1,1-Dichloroethane	9.22	1.0	µg/L	10.0		92.2	70-130			
1,2-Dichloroethane	8.98	1.0	µg/L	10.0		89.8	70-130			
1,1-Dichloroethylene	9.08	1.0	µg/L	10.0		90.8	70-130			
cis-1,2-Dichloroethylene	9.08	1.0	µg/L	10.0		90.8	70-130			
trans-1,2-Dichloroethylene	8.38	1.0	µg/L	10.0		83.8	70-130			
1,2-Dichloropropane	10.0	1.0	µg/L	10.0		100	70-130			
cis-1,3-Dichloropropene	9.76	0.50	µg/L	10.0		97.6	70-130			
trans-1,3-Dichloropropene	9.32	0.50	µg/L	10.0		93.2	70-130			
1,4-Dioxane	86.9	50	µg/L	100		86.9	40-130			†
Ethylbenzene	10.1	1.0	µg/L	10.0		101	70-130			
2-Hexanone (MBK)	90.9	10	µg/L	100		90.9	70-160			†
Isopropylbenzene (Cumene)	9.37	1.0	µg/L	10.0		93.7	70-130			
Methyl Acetate	7.78	1.0	µg/L	10.0		77.8	70-130			V-05
Methyl tert-Butyl Ether (MTBE)	8.79	1.0	µg/L	10.0		87.9	70-130			
Methyl Cyclohexane	9.99	1.0	µg/L	10.0		99.9	70-130			
Methylene Chloride	8.78	5.0	µg/L	10.0		87.8	70-130			
4-Methyl-2-pentanone (MIBK)	89.1	10	µg/L	100		89.1	70-160			†
Styrene	9.17	1.0	µg/L	10.0		91.7	70-130			
1,1,2,2-Tetrachloroethane	9.31	0.50	µg/L	10.0		93.1	70-130			
Tetrachloroethylene	10.4	1.0	µg/L	10.0		104	70-130			
Toluene	10.3	1.0	µg/L	10.0		103	70-130			
1,2,3-Trichlorobenzene	8.81	5.0	µg/L	10.0		88.1	70-130			
1,2,4-Trichlorobenzene	8.32	1.0	µg/L	10.0		83.2	70-130			
1,1,1-Trichloroethane	9.35	1.0	µg/L	10.0		93.5	70-130			

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B347625 - SW-846 5030B										
LCS (B347625-BS1)										
Prepared: 08/01/23 Analyzed: 08/02/23										
1,1,2-Trichloroethane	9.97	1.0	µg/L	10.0		99.7	70-130			
Trichloroethylene	9.80	1.0	µg/L	10.0		98.0	70-130			
Trichlorofluoromethane (Freon 11)	9.18	2.0	µg/L	10.0		91.8	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.22	1.0	µg/L	10.0		92.2	70-130			
Vinyl Chloride	11.2	2.0	µg/L	10.0		112	40-160			†
m+p Xylene	20.1	2.0	µg/L	20.0		100	70-130			
o-Xylene	9.81	1.0	µg/L	10.0		98.1	70-130			
Xylenes (total)	29.9	1.0	µg/L	30.0		99.6	0-200			
Surrogate: 1,2-Dichloroethane-d4	22.3		µg/L	25.0		89.4	70-130			
Surrogate: Toluene-d8	25.5		µg/L	25.0		102	70-130			
Surrogate: 4-Bromofluorobenzene	24.0		µg/L	25.0		96.0	70-130			
LCS Dup (B347625-BSD1)										
Prepared: 08/01/23 Analyzed: 08/02/23										
Acetone	82.8	50	µg/L	100		82.8	70-160	0.145	25	V-06 †
Benzene	10.6	1.0	µg/L	10.0		106	70-130	2.09	25	
Bromochloromethane	10.6	1.0	µg/L	10.0		106	70-130	3.96	25	
Bromodichloromethane	9.42	0.50	µg/L	10.0		94.2	70-130	1.17	25	
Bromoform	7.99	1.0	µg/L	10.0		79.9	70-130	1.98	25	
Bromomethane	13.9	2.0	µg/L	10.0		139	40-160	3.60	25	V-20 †
2-Butanone (MEK)	95.4	20	µg/L	100		95.4	40-160	1.16	25	†
Carbon Disulfide	100	5.0	µg/L	100		100	70-130	1.50	25	
Carbon Tetrachloride	7.98	5.0	µg/L	10.0		79.8	70-130	6.60	25	V-05
Chlorobenzene	10.2	1.0	µg/L	10.0		102	70-130	0.780	25	
Chlorodibromomethane	9.07	0.50	µg/L	10.0		90.7	70-130	1.86	25	
Chloroethane	9.43	2.0	µg/L	10.0		94.3	70-130	1.17	25	
Chloroform	9.61	2.0	µg/L	10.0		96.1	70-130	1.57	25	
Chloromethane	10.1	2.0	µg/L	10.0		101	40-160	2.16	25	†
Cyclohexane	9.93	5.0	µg/L	10.0		99.3	70-130	4.53	25	
1,2-Dibromo-3-chloropropane (DBCP)	7.86	5.0	µg/L	10.0		78.6	70-130	4.95	25	V-05
1,2-Dibromoethane (EDB)	10.1	0.50	µg/L	10.0		101	70-130	2.01	25	
1,2-Dichlorobenzene	10.4	1.0	µg/L	10.0		104	70-130	2.34	25	
1,3-Dichlorobenzene	10.6	1.0	µg/L	10.0		106	70-130	2.78	25	
1,4-Dichlorobenzene	9.52	1.0	µg/L	10.0		95.2	70-130	5.52	25	
Dichlorodifluoromethane (Freon 12)	11.5	2.0	µg/L	10.0		115	40-160	3.26	25	†
1,1-Dichloroethane	9.41	1.0	µg/L	10.0		94.1	70-130	2.04	25	
1,2-Dichloroethane	8.94	1.0	µg/L	10.0		89.4	70-130	0.446	25	
1,1-Dichloroethylene	9.04	1.0	µg/L	10.0		90.4	70-130	0.442	25	
cis-1,2-Dichloroethylene	9.15	1.0	µg/L	10.0		91.5	70-130	0.768	25	
trans-1,2-Dichloroethylene	8.57	1.0	µg/L	10.0		85.7	70-130	2.24	25	
1,2-Dichloropropane	10.2	1.0	µg/L	10.0		102	70-130	1.19	25	
cis-1,3-Dichloropropene	9.52	0.50	µg/L	10.0		95.2	70-130	2.49	25	
trans-1,3-Dichloropropene	9.35	0.50	µg/L	10.0		93.5	70-130	0.321	25	
1,4-Dioxane	80.6	50	µg/L	100		80.6	40-130	7.46	50	† ‡
Ethylbenzene	10.1	1.0	µg/L	10.0		101	70-130	0.00	25	
2-Hexanone (MBK)	91.1	10	µg/L	100		91.1	70-160	0.220	25	†
Isopropylbenzene (Cumene)	9.25	1.0	µg/L	10.0		92.5	70-130	1.29	25	
Methyl Acetate	7.88	1.0	µg/L	10.0		78.8	70-130	1.28	25	V-05
Methyl tert-Butyl Ether (MTBE)	8.88	1.0	µg/L	10.0		88.8	70-130	1.02	25	
Methyl Cyclohexane	10.2	1.0	µg/L	10.0		102	70-130	1.98	25	
Methylene Chloride	8.75	5.0	µg/L	10.0		87.5	70-130	0.342	25	
4-Methyl-2-pentanone (MIBK)	88.9	10	µg/L	100		88.9	70-160	0.236	25	†
Styrene	8.92	1.0	µg/L	10.0		89.2	70-130	2.76	25	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Batch B347625 - SW-846 5030B
LCS Dup (B347625-BSD1)

Prepared: 08/01/23 Analyzed: 08/02/23

1,1,2,2-Tetrachloroethane	9.24	0.50	µg/L	10.0		92.4	70-130	0.755	25	
Tetrachloroethylene	10.3	1.0	µg/L	10.0		103	70-130	0.0967	25	
Toluene	10.6	1.0	µg/L	10.0		106	70-130	3.15	25	
1,2,3-Trichlorobenzene	8.60	5.0	µg/L	10.0		86.0	70-130	2.41	25	
1,2,4-Trichlorobenzene	8.79	1.0	µg/L	10.0		87.9	70-130	5.49	25	
1,1,1-Trichloroethane	9.70	1.0	µg/L	10.0		97.0	70-130	3.67	25	
1,1,2-Trichloroethane	10.1	1.0	µg/L	10.0		101	70-130	0.998	25	
Trichloroethylene	9.95	1.0	µg/L	10.0		99.5	70-130	1.52	25	
Trichlorofluoromethane (Freon 11)	9.42	2.0	µg/L	10.0		94.2	70-130	2.58	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.74	1.0	µg/L	10.0		97.4	70-130	5.49	25	
Vinyl Chloride	11.3	2.0	µg/L	10.0		113	40-160	1.42	25	†
m+p Xylene	19.8	2.0	µg/L	20.0		99.2	70-130	1.15	25	
o-Xylene	9.54	1.0	µg/L	10.0		95.4	70-130	2.79	25	
Xylenes (total)	29.4	1.0	µg/L	30.0		97.9	0-200	1.69		
Surrogate: 1,2-Dichloroethane-d4	23.5		µg/L	25.0		94.1	70-130			
Surrogate: Toluene-d8	25.7		µg/L	25.0		103	70-130			
Surrogate: 4-Bromofluorobenzene	23.5		µg/L	25.0		94.2	70-130			

Matrix Spike (B347625-MS1)
Source: 23G3932-03

Prepared: 08/01/23 Analyzed: 08/03/23

Acetone	84.4	50	µg/L	100	ND	84.4	70-130			V-06
Benzene	11.2	1.0	µg/L	10.0	ND	112	70-130			
Bromochloromethane	11.4	1.0	µg/L	10.0	ND	114	70-130			
Bromodichloromethane	10.0	0.50	µg/L	10.0	ND	100	70-130			
Bromoform	7.45	1.0	µg/L	10.0	ND	74.5	70-130			
Bromomethane	14.2	2.0	µg/L	10.0	ND	142 *	70-130			MS-15, V-20
2-Butanone (MEK)	98.7	20	µg/L	100	ND	98.7	70-130			
Carbon Disulfide	110	5.0	µg/L	100	ND	110	70-130			
Carbon Tetrachloride	9.31	5.0	µg/L	10.0	ND	93.1	70-130			V-05
Chlorobenzene	10.4	1.0	µg/L	10.0	ND	104	70-130			
Chlorodibromomethane	9.22	0.50	µg/L	10.0	ND	92.2	70-130			
Chloroethane	10.2	2.0	µg/L	10.0	ND	102	70-130			
Chloroform	10.6	2.0	µg/L	10.0	ND	106	70-130			
Chloromethane	11.9	2.0	µg/L	10.0	ND	119	70-130			
Cyclohexane	10.5	5.0	µg/L	10.0	ND	105	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	7.49	5.0	µg/L	10.0	ND	74.9	70-130			V-05
1,2-Dibromoethane (EDB)	10.2	0.50	µg/L	10.0	ND	102	70-130			
1,2-Dichlorobenzene	9.59	1.0	µg/L	10.0	ND	95.9	70-130			
1,3-Dichlorobenzene	10.0	1.0	µg/L	10.0	ND	100	70-130			
1,4-Dichlorobenzene	9.28	1.0	µg/L	10.0	ND	92.8	70-130			
Dichlorodifluoromethane (Freon 12)	12.9	2.0	µg/L	10.0	ND	129	70-130			
1,1-Dichloroethane	10.4	1.0	µg/L	10.0	ND	104	70-130			
1,2-Dichloroethane	10.1	1.0	µg/L	10.0	ND	101	70-130			
1,1-Dichloroethylene	10.1	1.0	µg/L	10.0	ND	101	70-130			
cis-1,2-Dichloroethylene	10.1	1.0	µg/L	10.0	ND	101	70-130			
trans-1,2-Dichloroethylene	9.92	1.0	µg/L	10.0	ND	99.2	70-130			
1,2-Dichloropropane	10.9	1.0	µg/L	10.0	ND	109	70-130			
cis-1,3-Dichloropropene	9.79	0.50	µg/L	10.0	ND	97.9	70-130			
trans-1,3-Dichloropropene	9.73	0.50	µg/L	10.0	ND	97.3	70-130			
1,4-Dioxane	84.4	50	µg/L	100	ND	84.4	70-130			
Ethylbenzene	9.85	1.0	µg/L	10.0	ND	98.5	70-130			
2-Hexanone (MBK)	87.4	10	µg/L	100	ND	87.4	70-130			
Isopropylbenzene (Cumene)	9.08	1.0	µg/L	10.0	ND	90.8	70-130			

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B347625 - SW-846 5030B										
Matrix Spike (B347625-MS1)	Source: 23G3932-03			Prepared: 08/01/23 Analyzed: 08/03/23						
Methyl Acetate	7.33	1.0	µg/L	10.0	ND	73.3	70-130			V-05
Methyl tert-Butyl Ether (MTBE)	8.78	1.0	µg/L	10.0	ND	87.8	70-130			
Methyl Cyclohexane	11.3	1.0	µg/L	10.0	ND	113	70-130			
Methylene Chloride	9.85	5.0	µg/L	10.0	ND	98.5	70-130			
4-Methyl-2-pentanone (MIBK)	87.7	10	µg/L	100	ND	87.7	70-130			
Styrene	8.41	1.0	µg/L	10.0	ND	84.1	70-130			
1,1,2,2-Tetrachloroethane	9.23	0.50	µg/L	10.0	ND	92.3	70-130			
Tetrachloroethylene	11.3	1.0	µg/L	10.0	ND	113	70-130			
Toluene	10.9	1.0	µg/L	10.0	ND	109	70-130			
1,2,3-Trichlorobenzene	7.09	5.0	µg/L	10.0	ND	70.9	70-130			
1,2,4-Trichlorobenzene	6.87	1.0	µg/L	10.0	ND	68.7	* 70-130			MS-24
1,1,1-Trichloroethane	11.1	1.0	µg/L	10.0	0.370	107	70-130			
1,1,2-Trichloroethane	10.4	1.0	µg/L	10.0	ND	104	70-130			
Trichloroethylene	11.1	1.0	µg/L	10.0	0.540	105	70-130			
Trichlorofluoromethane (Freon 11)	10.4	2.0	µg/L	10.0	ND	104	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.5	1.0	µg/L	10.0	ND	105	70-130			
Vinyl Chloride	12.5	2.0	µg/L	10.0	ND	125	70-130			
m+p Xylene	18.5	2.0	µg/L	20.0	ND	92.6	70-130			
o-Xylene	9.00	1.0	µg/L	10.0	ND	90.0	70-130			
Xylenes (total)	27.5	1.0	µg/L	30.0	ND	91.7	0-200			
Surrogate: 1,2-Dichloroethane-d4	25.7		µg/L	25.0		103	70-130			
Surrogate: Toluene-d8	25.9		µg/L	25.0		104	70-130			
Surrogate: 4-Bromofluorobenzene	22.6		µg/L	25.0		90.4	70-130			
Matrix Spike Dup (B347625-MSD1)	Source: 23G3932-03			Prepared: 08/01/23 Analyzed: 08/03/23						
Acetone	88.7	50	µg/L	100	ND	88.7	70-130	4.91	30	V-06
Benzene	11.0	1.0	µg/L	10.0	ND	110	70-130	1.53	30	
Bromochloromethane	11.9	1.0	µg/L	10.0	ND	119	70-130	4.28	30	
Bromodichloromethane	9.83	0.50	µg/L	10.0	ND	98.3	70-130	2.01	30	
Bromoform	7.28	1.0	µg/L	10.0	ND	72.8	70-130	2.31	30	
Bromomethane	14.4	2.0	µg/L	10.0	ND	144	* 70-130	1.40	30	MS-15, V-20
2-Butanone (MEK)	102	20	µg/L	100	ND	102	70-130	2.81	30	
Carbon Disulfide	112	5.0	µg/L	100	ND	112	70-130	1.89	30	
Carbon Tetrachloride	9.32	5.0	µg/L	10.0	ND	93.2	70-130	0.107	30	V-05
Chlorobenzene	10.5	1.0	µg/L	10.0	ND	105	70-130	0.575	30	
Chlorodibromomethane	9.07	0.50	µg/L	10.0	ND	90.7	70-130	1.64	30	
Chloroethane	10.1	2.0	µg/L	10.0	ND	101	70-130	0.885	30	
Chloroform	10.8	2.0	µg/L	10.0	ND	108	70-130	2.43	30	
Chloromethane	11.9	2.0	µg/L	10.0	ND	119	70-130	0.168	30	
Cyclohexane	10.7	5.0	µg/L	10.0	ND	107	70-130	1.89	30	
1,2-Dibromo-3-chloropropane (DBCP)	7.83	5.0	µg/L	10.0	ND	78.3	70-130	4.44	30	V-05
1,2-Dibromoethane (EDB)	9.77	0.50	µg/L	10.0	ND	97.7	70-130	3.91	30	
1,2-Dichlorobenzene	10.0	1.0	µg/L	10.0	ND	100	70-130	4.68	30	
1,3-Dichlorobenzene	10.0	1.0	µg/L	10.0	ND	100	70-130	0.0997	30	
1,4-Dichlorobenzene	9.85	1.0	µg/L	10.0	ND	98.5	70-130	5.96	30	
Dichlorodifluoromethane (Freon 12)	13.4	2.0	µg/L	10.0	ND	134	* 70-130	3.34	30	MS-24
1,1-Dichloroethane	10.5	1.0	µg/L	10.0	ND	105	70-130	0.957	30	
1,2-Dichloroethane	9.68	1.0	µg/L	10.0	ND	96.8	70-130	3.95	30	
1,1-Dichloroethylene	10.2	1.0	µg/L	10.0	ND	102	70-130	1.08	30	
cis-1,2-Dichloroethylene	10.4	1.0	µg/L	10.0	ND	104	70-130	2.34	30	
trans-1,2-Dichloroethylene	9.95	1.0	µg/L	10.0	ND	99.5	70-130	0.302	30	
1,2-Dichloropropane	10.6	1.0	µg/L	10.0	ND	106	70-130	2.97	30	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B347625 - SW-846 5030B										
Matrix Spike Dup (B347625-MSD1)	Source: 23G3932-03			Prepared: 08/01/23 Analyzed: 08/03/23						
cis-1,3-Dichloropropene	9.94	0.50	µg/L	10.0	ND	99.4	70-130	1.52	30	
trans-1,3-Dichloropropene	9.59	0.50	µg/L	10.0	ND	95.9	70-130	1.45	30	
1,4-Dioxane	71.5	50	µg/L	100	ND	71.5	70-130	16.5	30	
Ethylbenzene	9.92	1.0	µg/L	10.0	ND	99.2	70-130	0.708	30	
2-Hexanone (MBK)	88.1	10	µg/L	100	ND	88.1	70-130	0.889	30	
Isopropylbenzene (Cumene)	9.20	1.0	µg/L	10.0	ND	92.0	70-130	1.31	30	
Methyl Acetate	7.56	1.0	µg/L	10.0	ND	75.6	70-130	3.09	30	V-05
Methyl tert-Butyl Ether (MTBE)	8.88	1.0	µg/L	10.0	ND	88.8	70-130	1.13	30	
Methyl Cyclohexane	11.2	1.0	µg/L	10.0	ND	112	70-130	0.800	30	
Methylene Chloride	9.86	5.0	µg/L	10.0	ND	98.6	70-130	0.101	30	
4-Methyl-2-pentanone (MIBK)	88.1	10	µg/L	100	ND	88.1	70-130	0.478	30	
Styrene	8.88	1.0	µg/L	10.0	ND	88.8	70-130	5.44	30	
1,1,2,2-Tetrachloroethane	9.32	0.50	µg/L	10.0	ND	93.2	70-130	0.970	30	
Tetrachloroethylene	11.1	1.0	µg/L	10.0	ND	111	70-130	2.32	30	
Toluene	10.6	1.0	µg/L	10.0	ND	106	70-130	2.60	30	
1,2,3-Trichlorobenzene	7.89	5.0	µg/L	10.0	ND	78.9	70-130	10.7	30	
1,2,4-Trichlorobenzene	7.64	1.0	µg/L	10.0	ND	76.4	70-130	10.6	30	
1,1,1-Trichloroethane	11.1	1.0	µg/L	10.0	0.370	107	70-130	0.180	30	
1,1,2-Trichloroethane	10.1	1.0	µg/L	10.0	ND	101	70-130	3.01	30	
Trichloroethylene	11.2	1.0	µg/L	10.0	0.540	106	70-130	0.810	30	
Trichlorofluoromethane (Freon 11)	10.6	2.0	µg/L	10.0	ND	106	70-130	1.52	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.1	1.0	µg/L	10.0	ND	111	70-130	6.11	30	
Vinyl Chloride	12.9	2.0	µg/L	10.0	ND	129	70-130	3.54	30	
m+p Xylene	19.4	2.0	µg/L	20.0	ND	97.0	70-130	4.75	20	
o-Xylene	9.03	1.0	µg/L	10.0	ND	90.3	70-130	0.333	30	
Xylenes (total)	28.4	1.0	µg/L	30.0	ND	94.8	0-200	3.32		
Surrogate: 1,2-Dichloroethane-d4	25.4		µg/L	25.0		102	70-130			
Surrogate: Toluene-d8	25.8		µg/L	25.0		103	70-130			
Surrogate: 4-Bromofluorobenzene	22.6		µg/L	25.0		90.4	70-130			

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
MS-15	Matrix spike and matrix spike duplicate recoveries are outside of control limits. Data validation is not affected since results for this compound in this sample are "not detected", and recovery bias is on the high side.
MS-24	Either matrix spike or matrix spike duplicate is outside of control limits, but the other is within limits. Analysis is in control based on laboratory fortified blank recovery.
V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.
V-06	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side for this compound.
V-20	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8260D in Water</i>	
Acetone	CT,ME,NH,VA,NY
Benzene	CT,ME,NH,VA,NY
Bromochloromethane	ME,NH,VA,NY
Bromodichloromethane	CT,ME,NH,VA,NY
Bromoform	CT,ME,NH,VA,NY
Bromomethane	CT,ME,NH,VA,NY
2-Butanone (MEK)	CT,ME,NH,VA,NY
Carbon Disulfide	CT,ME,NH,VA,NY
Carbon Tetrachloride	CT,ME,NH,VA,NY
Chlorobenzene	CT,ME,NH,VA,NY
Chlorodibromomethane	CT,ME,NH,VA,NY
Chloroethane	CT,ME,NH,VA,NY
Chloroform	CT,ME,NH,VA,NY
Chloromethane	CT,ME,NH,VA,NY
Cyclohexane	ME,NY
1,2-Dibromo-3-chloropropane (DBCP)	ME,NY
1,2-Dibromoethane (EDB)	ME,NY
1,2-Dichlorobenzene	CT,ME,NH,VA,NY
1,3-Dichlorobenzene	CT,ME,NH,VA,NY
1,4-Dichlorobenzene	CT,ME,NH,VA,NY
Dichlorodifluoromethane (Freon 12)	ME,NH,VA,NY
1,1-Dichloroethane	CT,ME,NH,VA,NY
1,2-Dichloroethane	CT,ME,NH,VA,NY
1,1-Dichloroethylene	CT,ME,NH,VA,NY
cis-1,2-Dichloroethylene	ME,NY
trans-1,2-Dichloroethylene	CT,ME,NH,VA,NY
1,2-Dichloropropane	CT,ME,NH,VA,NY
cis-1,3-Dichloropropene	CT,ME,NH,VA,NY
trans-1,3-Dichloropropene	CT,ME,NH,VA,NY
1,4-Dioxane	ME,NY
Ethylbenzene	CT,ME,NH,VA,NY
2-Hexanone (MBK)	CT,ME,NH,VA,NY
Isopropylbenzene (Cumene)	ME,VA,NY
Methyl Acetate	ME,NY
Methyl tert-Butyl Ether (MTBE)	CT,ME,NH,VA,NY
Methyl Cyclohexane	NY
Methylene Chloride	CT,ME,NH,VA,NY
4-Methyl-2-pentanone (MIBK)	CT,ME,NH,VA,NY
Styrene	CT,ME,NH,VA,NY
1,1,2,2-Tetrachloroethane	CT,ME,NH,VA,NY
Tetrachloroethylene	CT,ME,NH,VA,NY
Toluene	CT,ME,NH,VA,NY
1,2,3-Trichlorobenzene	ME,NH,VA,NY
1,2,4-Trichlorobenzene	CT,ME,NH,VA,NY
1,1,1-Trichloroethane	CT,ME,NH,VA,NY
1,1,2-Trichloroethane	CT,ME,NH,VA,NY
Trichloroethylene	CT,ME,NH,VA,NY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8260D in Water</i>	
Trichlorofluoromethane (Freon 11)	CT,ME,NH,VA,NY
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	VA,NY
Vinyl Chloride	CT,ME,NH,VA,NY
Xylenes (total)	ME,NY

Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
CT	Connecticut Department of Public Health	PH-0821	12/31/2024
NY	New York State Department of Health	10899 NELAP	04/1/2024
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2024
ME	State of Maine	MA00100	06/9/2025
VA	Commonwealth of Virginia	460217	12/14/2023

Contact: https://www.pacelabs.com/contact-us/contact-environmental-sciences/

Company Name: NYSDEC/AECOM
Address: 50 LAKE FRONT BLVD, SUITE 111, BUFFALO
Phone: 716-903-1346
Project Name: CAGE ELECTRONICS
Project Location: BINGHAMTON NY
Project Number: CO 147580
Project Manager: STEVE CATALFAMO (DEC)
Pace Analytical Quote Name/Number
Invoice Recipient: NYSDEC
Sampled By: R. MURPHY

Requested Turnaround Time: STANDARD
Due Date: 7/27
Push Approval Required: ☐
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐
Data Delivery
Format: PDF ☐ EXCEL ☐
Other: ☐
CLP Like Data Pkg Required: ☐
Email To: ☐
Fax To #: ☐

Pace Analytical Work Order #	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	1 st Matrix Code	Conc Code
9	MW-20	7/27 12:25	7/27 12:25		G	GW	
10	MW-07-05	7/27 12:35	7/27 12:35		G	GW	
11	MW-07-08	7/27 12:30	7/27 12:30		G	GW	
12	MW-07-09	7/27 13:40	7/27 13:40		G	GW	
13	MW-25	7/27 13:55	7/27 13:55		G	GW	
14	MW-06	7/27 14:05	7/27 14:05		G	GW	
15	MW-17	7/27 14:30	7/27 14:30		G	GW	
16	FD-270723	7/27	7/27		G	GW	
17	NW-05	7/27 14:35	7/27 14:35		G	GW	
18	TB-270723	7/27	7/27		G	O	

Comments:

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature) [Signature] Date/Time: 7/27/23 11:45
Received by: (signature) [Signature] Date/Time: 7/27/23 17:46
Relinquished by: (signature) [Signature] Date/Time: 7/27/23 17:46
Received by: (signature) [Signature] Date/Time: 7/28 07:05
Relinquished by: (signature) [Signature] Date/Time: 7/28 09:15
Received by: (signature) [Signature] Date/Time: 7-28-24 09:20

Program Regulatory Information
☐ AWQ STDS ☐ NY TOGS
☐ NYC Sewer Discharge ☐ NY CP-51
☐ Part 360 GW (Landfill)
☐ NY Restricted Use
☐ NY Unrestricted Use
☐ NY Part 375

Enhanced Data Package
☐ NYSDEC EQUIS EDD
☒ EQUIS (Standard) EDD
☐ NY Regulatory EDD
☐ NY Regs Hits-Only EDD

Other Variables
☐ Chromatogram
☐ AIHA-LAP, LLC

Project Entity
☐ Government
☐ Federal
☐ City
☐ Municipality
☐ 21 J
☐ Brownfield
☐ MWRA
☐ School
☐ MBTA
☐ WRTA

Other
☐ PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

39 Spruce St.
East Longmeadow, MA. 01028
P: 413-525-2332
F: 413-525-6405
www.pacelabs.com

ENV-FRM-ELON-0001 V05__Sample Receiving Checklist

Log In Back-Sheet

Login Sample Receipt Checklist – (Rejection Criteria Listing
– Using Acceptance Policy) Any False statement will be
brought to the attention of the Client – True or False



Client Accum
Project CAE electronics
MCP/RCP Required N/A
Deliverable Package Requirement N/A
Location Brighton, IN
PWSID# (When Applicable) N/A

Arrival Method:

Courier ☒ Fed Ex ☐ Walk In ☐ Other ☐ /

Received By / Date / Time AM 7/28/23 920

Back-Sheet By / Date / Time LA 7/28/23 1647

Temperature Method gun # 5

Temp ☒ < 6° C Actual Temperature 4.5

Rush Samples: Yes / ☒ No Notify /

Short Hold: Yes / ☒ No Notify /

Notes regarding Samples/COC outside of SOP:

	True	False
Received on Ice	☒	☐
Received in Cooler	☒	☐
Custody Seal: DATE TIME	☐	☒
COC Relinquished	☒	☐
COC/Samples Labels Agree	☒	☐
All Samples in Good Condition	☒	☐
Samples Received within Holding Time	☒	☐
Is there enough Volume	☒	☐
Proper Media/Container Used	☒	☐
Splitting Samples Required	☐	☒
MS/MSD	☐	☒
Trip Blanks	☐	☒
Lab to Filters	☐	☒
COC Legible	☒	☐
COC Included: (Check all included)		
Client ☒	Analysis ☒	Sampler Name ☒
Project ☒	IDs ☐	Collection Date/Time ☒
All Samples Proper pH: <u>N/A</u> ☐ ☐		

Additional Container Notes

VOA

SAMPLE DATA

1 - FORM I

ANALYSIS DATA SHEET

60

MW-06

Laboratory:	Pace New England	Work Order:	23G3932
Client:	NYDEC_AECOM - Buffalo, NY	Project:	C.A.E. Electronics_CAT B - CO 147580
Matrix:	Ground Water	Laboratory ID:	23G3932-01
		File ID:	C22V21438.D
Sampled:	07/27/23 10:55	Prepared:	08/01/23 07:14
		Analyzed:	08/03/23 01:27
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B347625	Sequence:	S091452
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone		2.0	50	
71-43-2	Benzene		0.18	1.0	
74-97-5	Bromochloromethane		0.28	1.0	
75-27-4	Bromodichloromethane		0.16	0.50	
75-25-2	Bromoform		0.41	1.0	
74-83-9	Bromomethane		1.3	2.0	
78-93-3	2-Butanone (MEK)		1.7	20	
75-15-0	Carbon Disulfide		1.6	5.0	
56-23-5	Carbon Tetrachloride		0.16	5.0	V-05
108-90-7	Chlorobenzene		0.12	1.0	
124-48-1	Chlorodibromomethane		0.20	0.50	
75-00-3	Chloroethane		0.34	2.0	
67-66-3	Chloroform		0.14	2.0	
74-87-3	Chloromethane		0.50	2.0	
110-82-7	Cyclohexane		1.8	5.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.85	5.0	V-05
106-93-4	1,2-Dibromoethane (EDB)		0.16	0.50	
95-50-1	1,2-Dichlorobenzene		0.13	1.0	
541-73-1	1,3-Dichlorobenzene		0.14	1.0	
106-46-7	1,4-Dichlorobenzene		0.13	1.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.16	2.0	
75-34-3	1,1-Dichloroethane		0.14	1.0	
107-06-2	1,2-Dichloroethane		0.30	1.0	
75-35-4	1,1-Dichloroethylene		0.14	1.0	
156-59-2	cis-1,2-Dichloroethylene		0.14	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.17	1.0	
78-87-5	1,2-Dichloropropane		0.19	1.0	
10061-01-5	cis-1,3-Dichloropropene		0.16	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.14	0.50	
123-91-1	1,4-Dioxane		18	50	

1 - FORM I

ANALYSIS DATA SHEET

61

MW-06

Laboratory:	Pace New England	Work Order:	23G3932
Client:	NYDEC_AECOM - Buffalo, NY	Project:	C.A.E. Electronics_CAT B - CO 147580
Matrix:	Ground Water	Laboratory ID:	23G3932-01
		File ID:	C22V21438.D
Sampled:	07/27/23 10:55	Prepared:	08/01/23 07:14
		Analyzed:	08/03/23 01:27
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B347625	Sequence:	S091452
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
100-41-4	Ethylbenzene		0.22	1.0	
591-78-6	2-Hexanone (MBK)		1.2	10	
98-82-8	Isopropylbenzene (Cumene)		0.15	1.0	
79-20-9	Methyl Acetate		0.61	1.0	V-05
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.17	1.0	
108-87-2	Methyl Cyclohexane		0.16	1.0	
75-09-2	Methylene Chloride		0.18	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.3	10	
100-42-5	Styrene		0.15	1.0	
79-34-5	1,1,2,2-Tetrachloroethane		0.14	0.50	
127-18-4	Tetrachloroethylene		0.17	1.0	
108-88-3	Toluene		0.22	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.34	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.30	1.0	
71-55-6	1,1,1-Trichloroethane		0.15	1.0	
79-00-5	1,1,2-Trichloroethane		0.19	1.0	
79-01-6	Trichloroethylene	1.4	0.17	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.15	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)		0.21	1.0	
75-01-4	Vinyl Chloride		0.24	2.0	
1330-20-7	Xylenes (total)		1.0	1.0	

Data Path : C:\msdchem\1\data\C080223\
 Data File : C22V21438.D
 Acq On : 3 Aug 2023 1:27 am
 Operator :
 Sample : 23G3932-01
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Inst : GCMSVOA3

Quant Time: Aug 03 07:48:53 2023
 Quant Method : C:\msdchem\1\methods\C080822.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Fri Apr 21 09:50:20 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	4.292	168	177337	30.00	UG/L	0.00
48) 1,4-DIFLUOROBENZENE - ...	5.011	114	265585	30.00	UG/L	0.00
70) CHLOROBENZENE-D5 ISTD	7.841	82	127846	30.00	UG/L	0.00
89) 1,4-DICHLOROBENZENE-D4...	10.139	152	119371	30.00	UG/L	# 0.00
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.562	65	81661	24.54	UG/L	0.00
Spiked Amount 25.000	Range	70 - 130	Recovery	=	98.16%	
49) TOLUENE SS	6.444	98	259290	24.65	UG/L	0.00
Spiked Amount 25.000	Range	70 - 130	Recovery	=	98.60%	
71) 4-BROMOFLUOROBENZENE SS	8.996	95	82989	21.89	UG/L	0.00
Spiked Amount 25.000	Range	70 - 130	Recovery	=	87.56%	
Target Compounds						
51) TRICHLOROETHENE	5.254	95	3415	1.39	UG/L	Qvalue 96

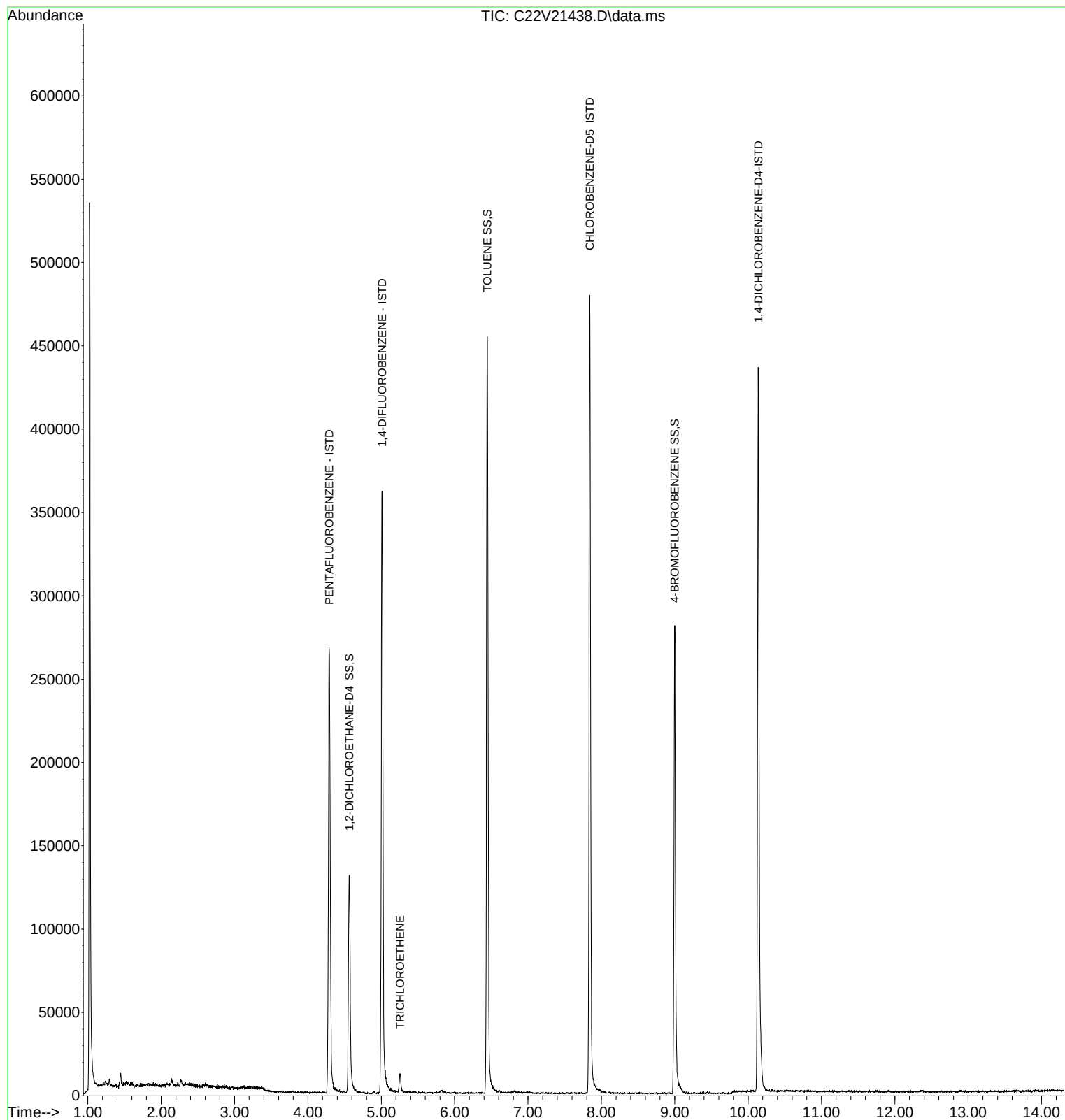
(#) = qualifier out of range (m) = manual integration (+) = signals summed

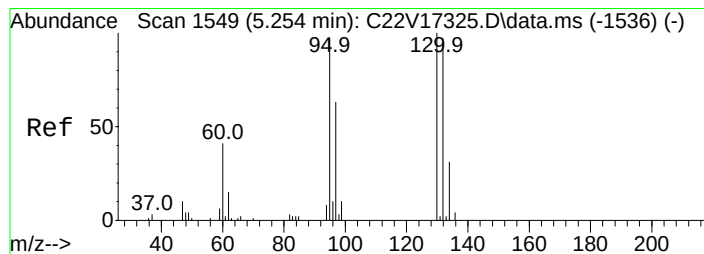
Data Path : C:\msdchem\1\data\C080223\
Data File : C22V21438.D
Acq On : 3 Aug 2023 1:27 am
Operator :
Sample : 23G3932-01
Misc :
ALS Vial : 38 Sample Multiplier: 1

Inst : GCMSV0A3

63

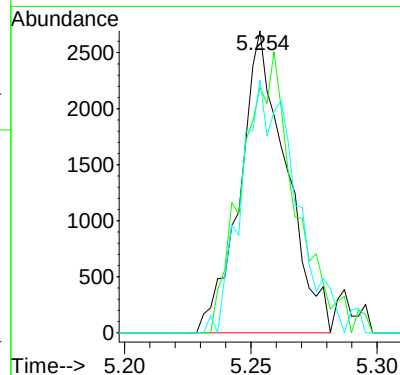
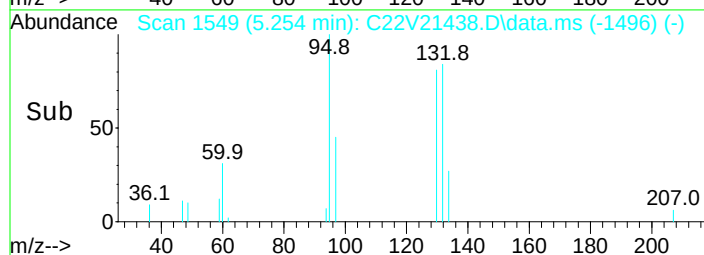
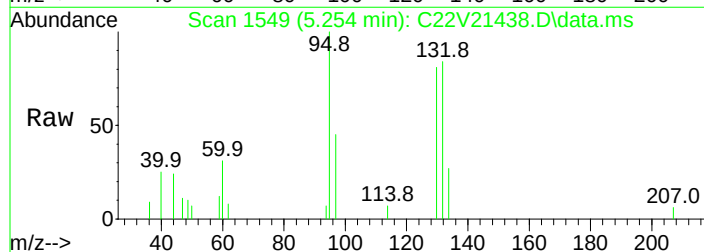
Quant Time: Aug 03 07:48:53 2023
Quant Method : C:\msdchem\1\methods\C080822.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Fri Apr 21 09:50:20 2023
Response via : Initial Calibration





#51
TRICHLOROETHENE
Concen: 1.39 UG/L
RT: 5.254 min Scan# 1549
Delta R.T. -0.003 min
Lab File: C22V21438.D
Acq: 3 Aug 2023 1:27 am

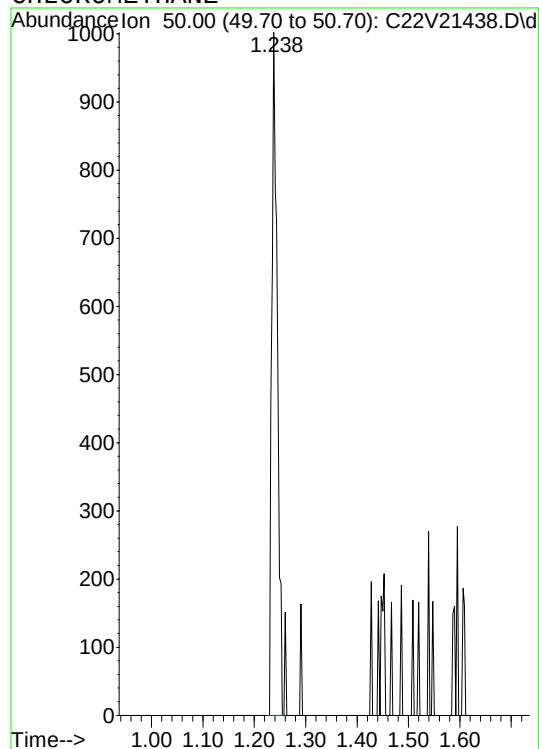
Tgt Ion	95	Resp	3415
Ion Ratio	Lower	Upper	
95	100		
130	107.8	85.7	128.5
132	98.8	84.7	127.1



Data Path : C:\msdchem\1\data\C080223\
Data File : C22V21438.D
Acq On : 3 Aug 2023 1:27 am
Operator :
Sample : 23G3932-01
Misc :

Quant Time : Thu Aug 03 07:48:53 2023
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Fri Apr 21 09:50:20 2023

Original Integration
CHLOROMETHANE



Original Int. Results

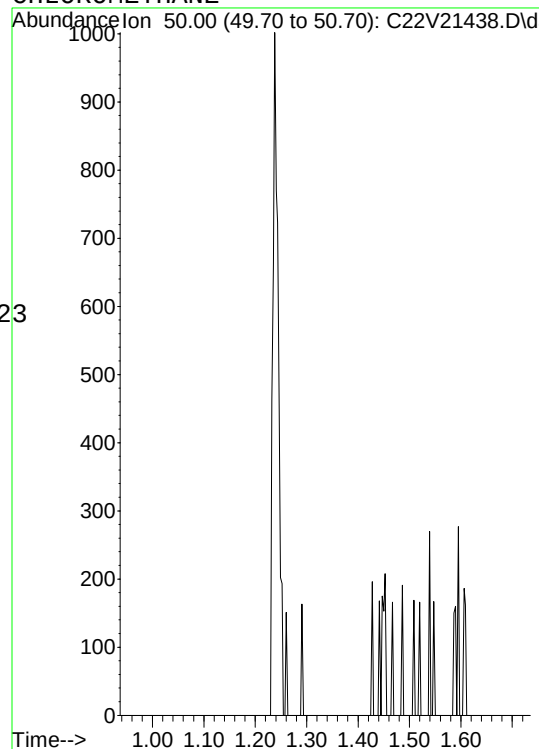
RT : 1.24
Area : 747
Amount: 0.178101

Manual Int. Results

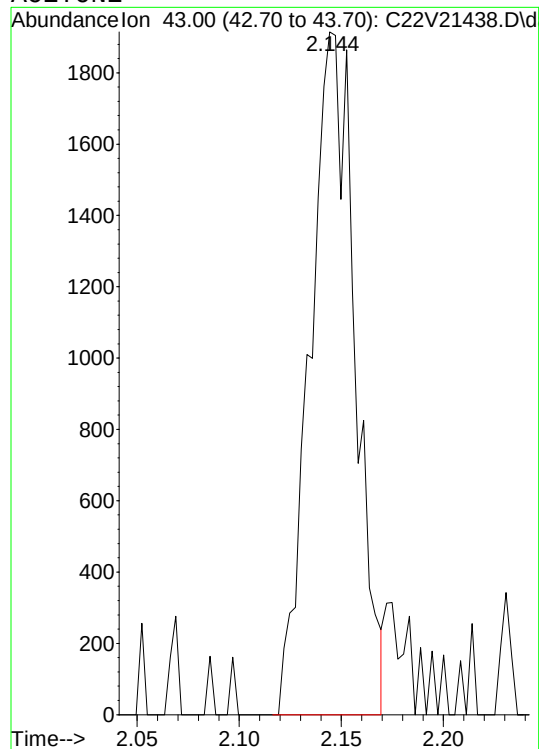
Thu Aug 03 07:48:53 2023

MIuser: MFF
Reason: Split Peak
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CHLOROMETHANE



Original Integration
ACETONE



Original Int. Results

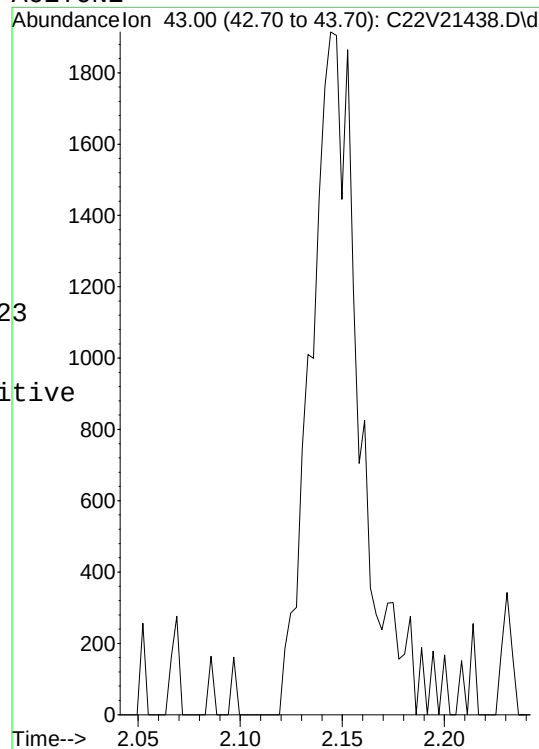
RT : 2.14
Area : 2922
Amount: 2.71463

Manual Int. Results

Thu Aug 03 07:48:53 2023

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
ACETONE

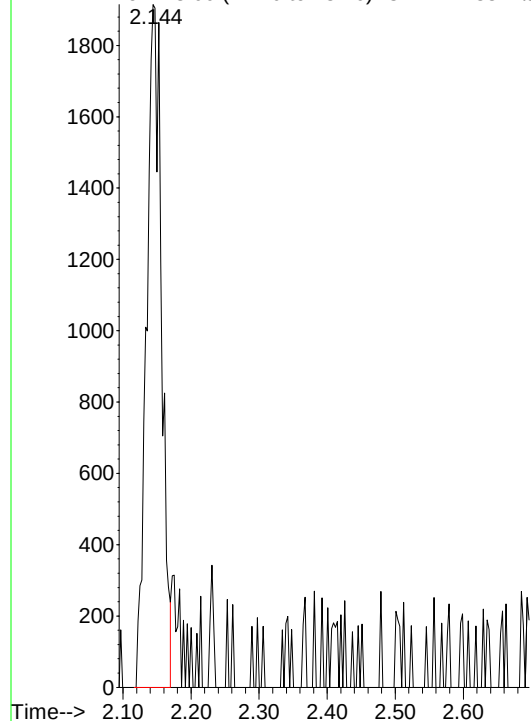


Data Path : C:\msdchem\1\data\C080223\
Data File : C22V21438.D
Acq On : 3 Aug 2023 1:27 am
Operator :
Sample : 23G3932-01
Misc :

Quant Time : Thu Aug 03 07:48:53 2023
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Fri Apr 21 09:50:20 2023

Original Integration
METHYL ACETATE

Abundance Ion 43.00 (42.70 to 43.70): C22V21438.D



Original Int. Results

RT : 2.14
Area : 2922
Amount: 0.697333

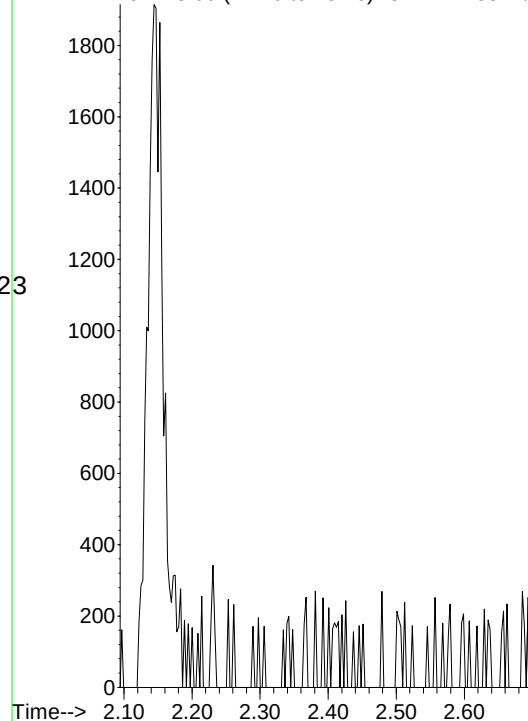
Manual Int. Results

Thu Aug 03 07:48:52 2023

MIuser: MFF
Reason: Split Peak
RT : 0.00
Area : 0
Amount: 0

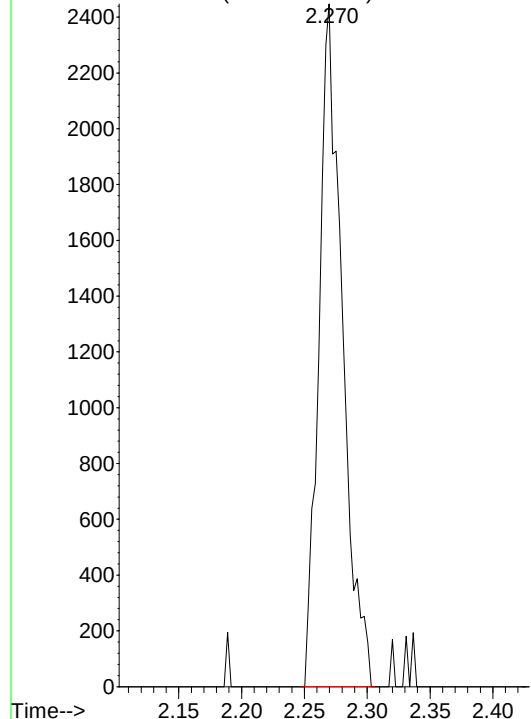
Manual Integration
METHYL ACETATE

Abundance Ion 43.00 (42.70 to 43.70): C22V21438.D



Original Integration
CARBON DISULFIDE

Abundance Ion 76.00 (75.70 to 76.70): C22V21438.D



Original Int. Results

RT : 2.27
Area : 3179
Amount: 0.430066

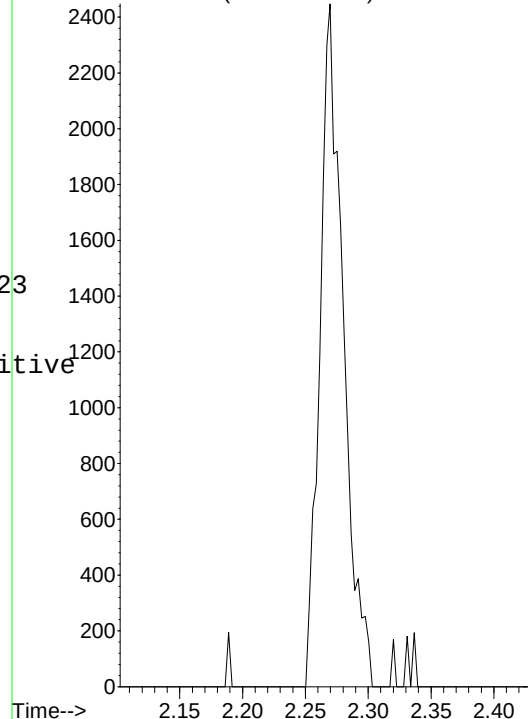
Manual Int. Results

Thu Aug 03 07:48:52 2023

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CARBON DISULFIDE

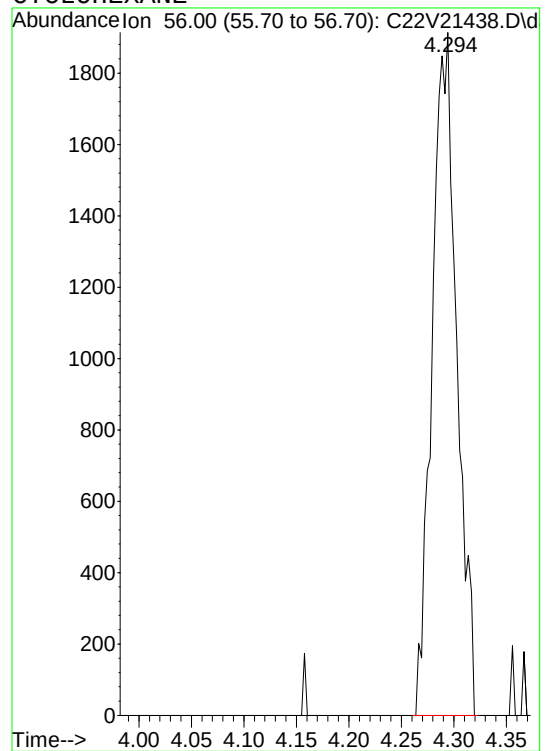
Abundance Ion 76.00 (75.70 to 76.70): C22V21438.D



Data Path : C:\msdchem\1\data\C080223\
Data File : C22V21438.D
Acq On : 3 Aug 2023 1:27 am
Operator :
Sample : 23G3932-01
Misc :

Quant Time : Thu Aug 03 07:48:53 2023
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Fri Apr 21 09:50:20 2023

Original Integration
CYCLOHEXANE



Original Int. Results

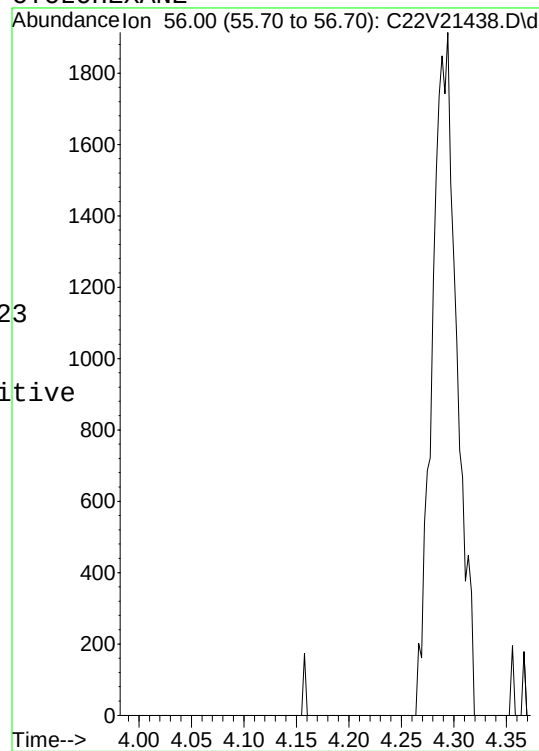
RT : 4.29
Area : 3128
Amount: 0.747391

Manual Int. Results

Thu Aug 03 07:48:51 2023

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CYCLOHEXANE



1 - FORM I

ANALYSIS DATA SHEET

68

MW-11

Laboratory:	Pace New England	Work Order:	23G3932
Client:	NYDEC_AECOM - Buffalo, NY	Project:	C.A.E. Electronics_CAT B - CO 147580
Matrix:	Ground Water	Laboratory ID:	23G3932-02
		File ID:	C22V21439.D
Sampled:	07/27/23 11:05	Prepared:	08/01/23 07:14
		Analyzed:	08/03/23 01:54
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B347625	Sequence:	S091452
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone		2.0	50	
71-43-2	Benzene		0.18	1.0	
74-97-5	Bromochloromethane		0.28	1.0	
75-27-4	Bromodichloromethane		0.16	0.50	
75-25-2	Bromoform		0.41	1.0	
74-83-9	Bromomethane		1.3	2.0	
78-93-3	2-Butanone (MEK)		1.7	20	
75-15-0	Carbon Disulfide		1.6	5.0	
56-23-5	Carbon Tetrachloride		0.16	5.0	V-05
108-90-7	Chlorobenzene		0.12	1.0	
124-48-1	Chlorodibromomethane		0.20	0.50	
75-00-3	Chloroethane		0.34	2.0	
67-66-3	Chloroform		0.14	2.0	
74-87-3	Chloromethane		0.50	2.0	
110-82-7	Cyclohexane		1.8	5.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.85	5.0	V-05
106-93-4	1,2-Dibromoethane (EDB)		0.16	0.50	
95-50-1	1,2-Dichlorobenzene		0.13	1.0	
541-73-1	1,3-Dichlorobenzene		0.14	1.0	
106-46-7	1,4-Dichlorobenzene		0.13	1.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.16	2.0	
75-34-3	1,1-Dichloroethane		0.14	1.0	
107-06-2	1,2-Dichloroethane		0.30	1.0	
75-35-4	1,1-Dichloroethylene		0.14	1.0	
156-59-2	cis-1,2-Dichloroethylene		0.14	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.17	1.0	
78-87-5	1,2-Dichloropropane		0.19	1.0	
10061-01-5	cis-1,3-Dichloropropene		0.16	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.14	0.50	
123-91-1	1,4-Dioxane		18	50	

1 - FORM I

ANALYSIS DATA SHEET

69

MW-11

Laboratory:	Pace New England	Work Order:	23G3932
Client:	NYDEC_AECOM - Buffalo, NY	Project:	C.A.E. Electronics_CAT B - CO 147580
Matrix:	Ground Water	Laboratory ID:	23G3932-02
		File ID:	C22V21439.D
Sampled:	07/27/23 11:05	Prepared:	08/01/23 07:14
		Analyzed:	08/03/23 01:54
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B347625	Sequence:	S091452
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
100-41-4	Ethylbenzene		0.22	1.0	
591-78-6	2-Hexanone (MBK)		1.2	10	
98-82-8	Isopropylbenzene (Cumene)		0.15	1.0	
79-20-9	Methyl Acetate		0.61	1.0	V-05
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.17	1.0	
108-87-2	Methyl Cyclohexane		0.16	1.0	
75-09-2	Methylene Chloride		0.18	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.3	10	
100-42-5	Styrene		0.15	1.0	
79-34-5	1,1,2,2-Tetrachloroethane		0.14	0.50	
127-18-4	Tetrachloroethylene		0.17	1.0	
108-88-3	Toluene		0.22	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.34	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.30	1.0	
71-55-6	1,1,1-Trichloroethane	0.42	0.15	1.0	J
79-00-5	1,1,2-Trichloroethane		0.19	1.0	
79-01-6	Trichloroethylene	0.79	0.17	1.0	J
75-69-4	Trichlorofluoromethane (Freon 11)		0.15	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)		0.21	1.0	
75-01-4	Vinyl Chloride		0.24	2.0	
1330-20-7	Xylenes (total)		1.0	1.0	

Data Path : C:\msdchem\1\data\C080223\
 Data File : C22V21439.D
 Acq On : 3 Aug 2023 1:54 am
 Operator :
 Sample : 23G3932-02
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Inst : GCMSVOA3

Quant Time: Aug 03 07:49:33 2023
 Quant Method : C:\msdchem\1\methods\C080822.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Fri Apr 21 09:50:20 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	4.292	168	175620	30.00	UG/L	0.00
48) 1,4-DIFLUOROBENZENE - ...	5.011	114	266117	30.00	UG/L	0.00
70) CHLOROBENZENE-D5 ISTD	7.844	82	127178	30.00	UG/L	0.00
89) 1,4-DICHLOROBENZENE-D4...	10.139	152	118158	30.00	UG/L	# 0.00
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.565	65	78662	23.87	UG/L	0.00
Spiked Amount 25.000	Range	70 - 130	Recovery	=	95.48%	
49) TOLUENE SS	6.444	98	256642	24.35	UG/L	0.00
Spiked Amount 25.000	Range	70 - 130	Recovery	=	97.40%	
71) 4-BROMOFLUOROBENZENE SS	9.002	95	81991	21.74	UG/L	0.00
Spiked Amount 25.000	Range	70 - 130	Recovery	=	86.96%	
Target Compounds						
41) 1,1,1-TRICHLOROETHANE	4.239	97	1538	0.42	UG/L	# 47
51) TRICHLOROETHENE	5.251	95	1931	0.79	UG/L	# 59

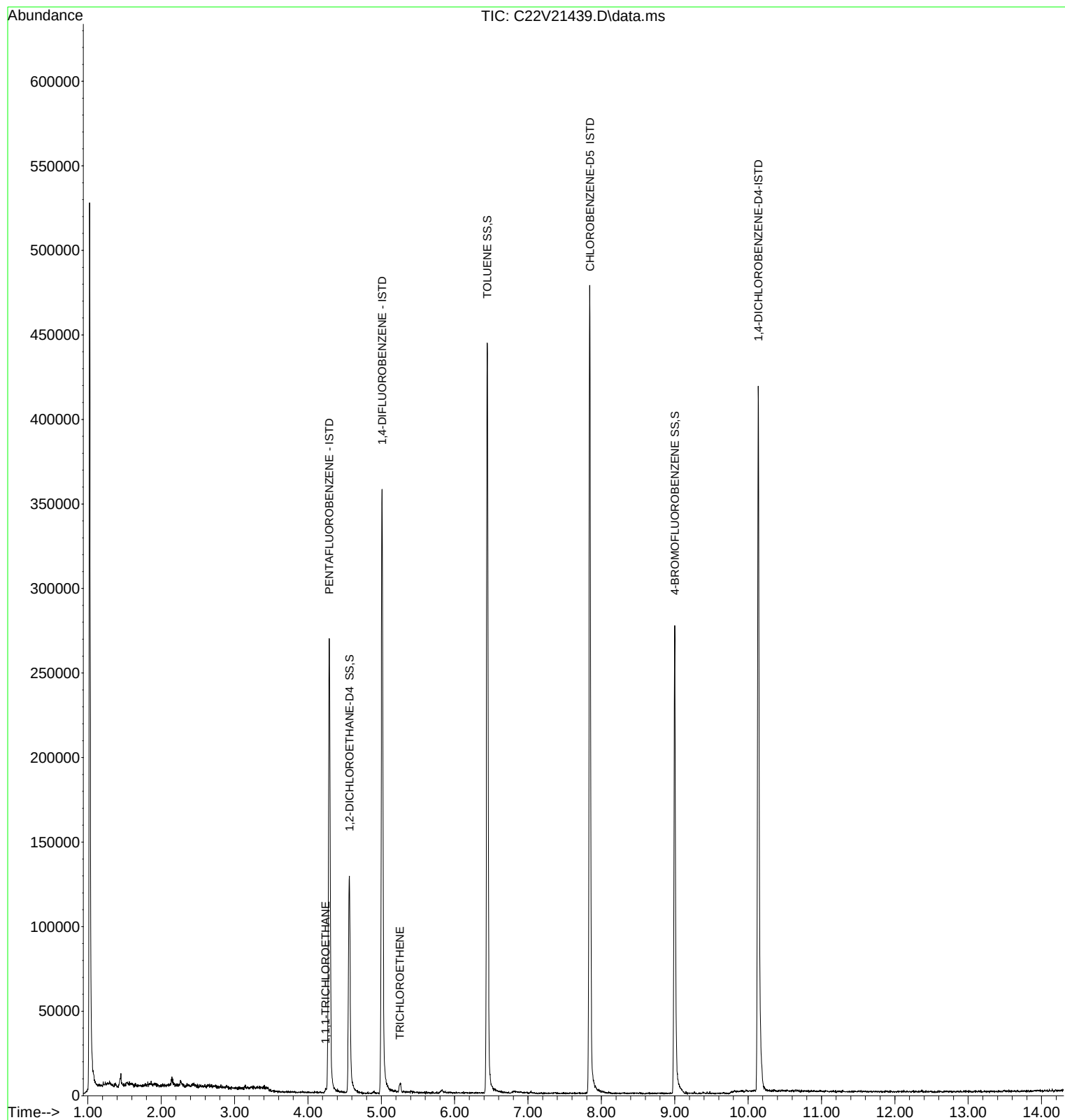
(#) = qualifier out of range (m) = manual integration (+) = signals summed

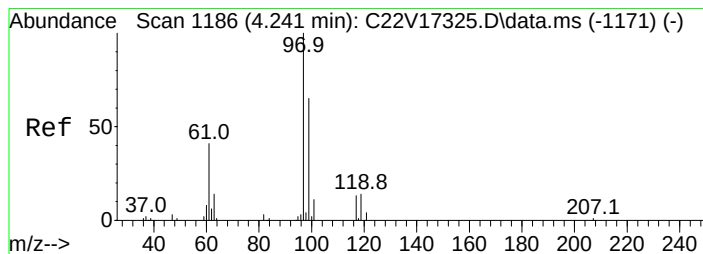
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Data File : C22V21439.D
Acq On : 3 Aug 2023 1:54 am
Operator :
Sample : 23G3932-02
Misc :
ALS Vial : 39 Sample Multiplier: 1

Inst : GCMSV0A3

71

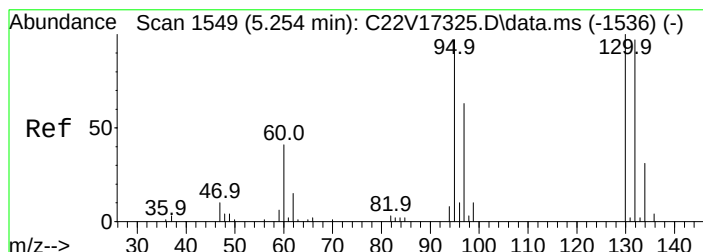
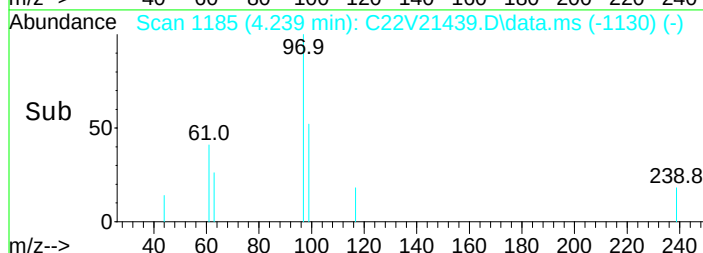
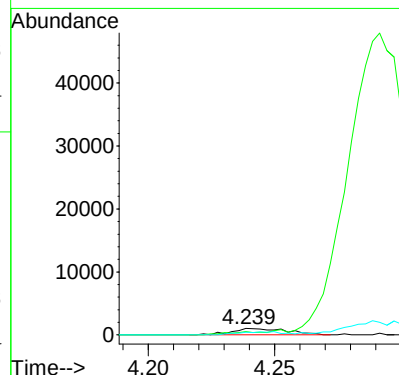
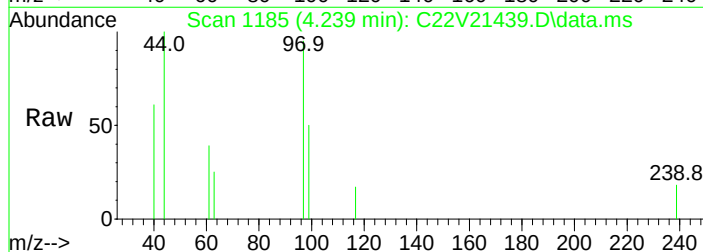
Quant Time: Aug 03 07:49:33 2023
Quant Method : C:\msdchem\1\methods\C080822.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Fri Apr 21 09:50:20 2023
Response via : Initial Calibration





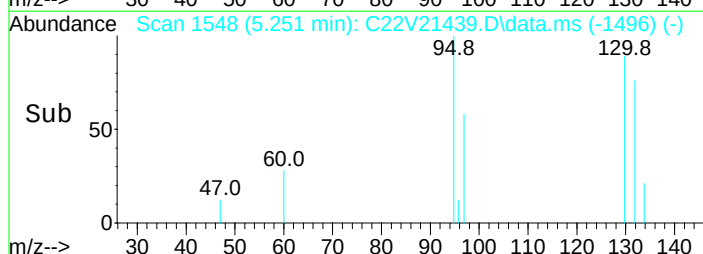
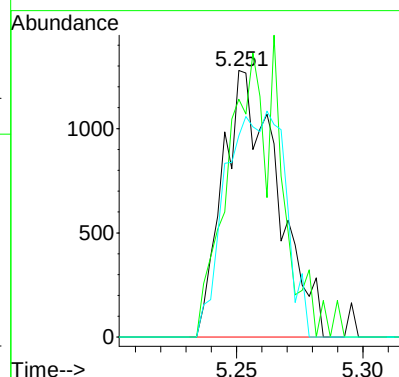
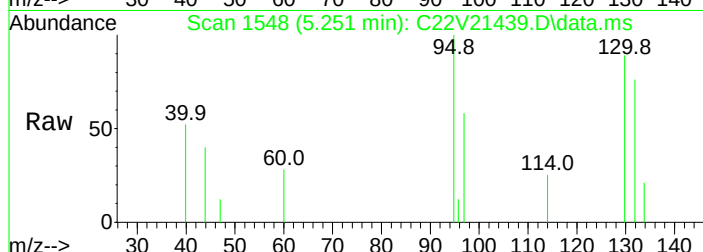
#41
1,1,1-TRICHLOROETHANE
Concen: 0.42 UG/L
RT: 4.239 min Scan# 1185
Delta R.T. -0.008 min
Lab File: C22V21439.D
Acq: 3 Aug 2023 1:54 am

Tgt Ion	Ratio	Lower	Upper
97	100		
99	0.0	52.7	79.1#
61	38.6	33.4	50.2



#51
TRICHLOROETHENE
Concen: 0.79 UG/L
RT: 5.251 min Scan# 1548
Delta R.T. -0.005 min
Lab File: C22V21439.D
Acq: 3 Aug 2023 1:54 am

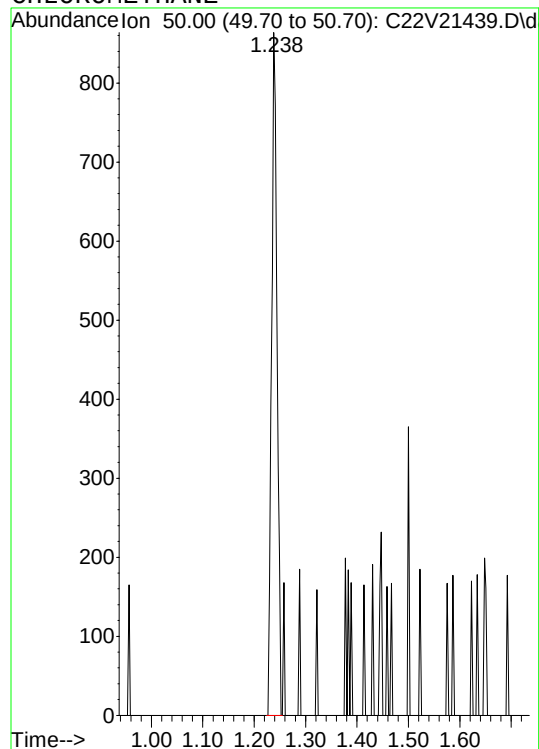
Tgt Ion	Ratio	Lower	Upper
95	100		
130	71.1	85.7	128.5#
132	56.4	84.7	127.1#



Data Path : C:\msdchem\1\data\C080223\
Data File : C22V21439.D
Acq On : 3 Aug 2023 1:54 am
Operator :
Sample : 23G3932-02
Misc :

Quant Time : Thu Aug 03 07:49:33 2023
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Fri Apr 21 09:50:20 2023

Original Integration
CHLOROMETHANE



Original Int. Results

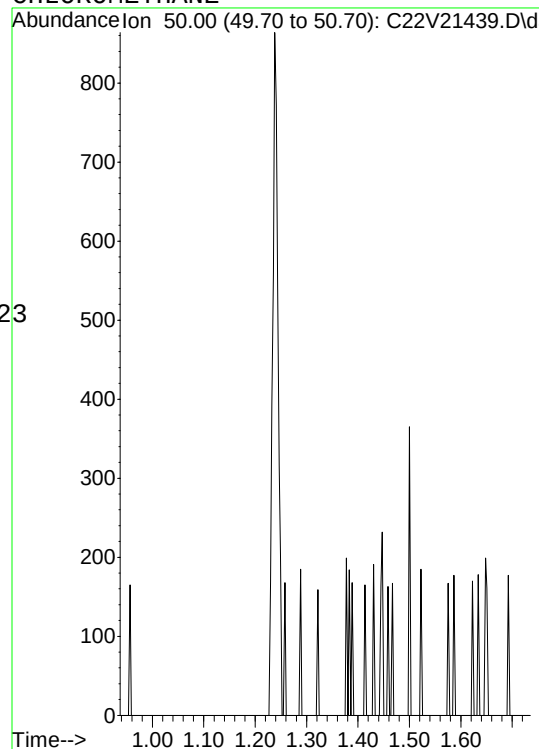
RT : 1.24
Area : 640
Amount: 0.154081

Manual Int. Results

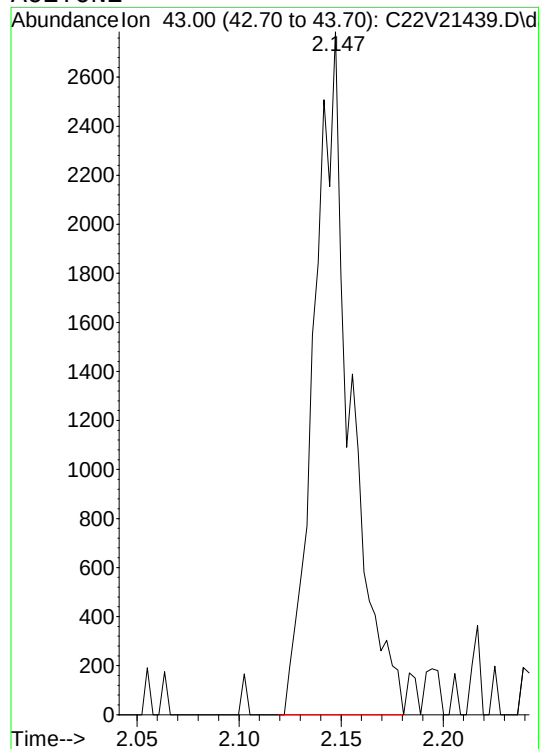
Thu Aug 03 07:49:27 2023

MIuser: MFF
Reason: Split Peak
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CHLOROMETHANE



Original Integration
ACETONE



Original Int. Results

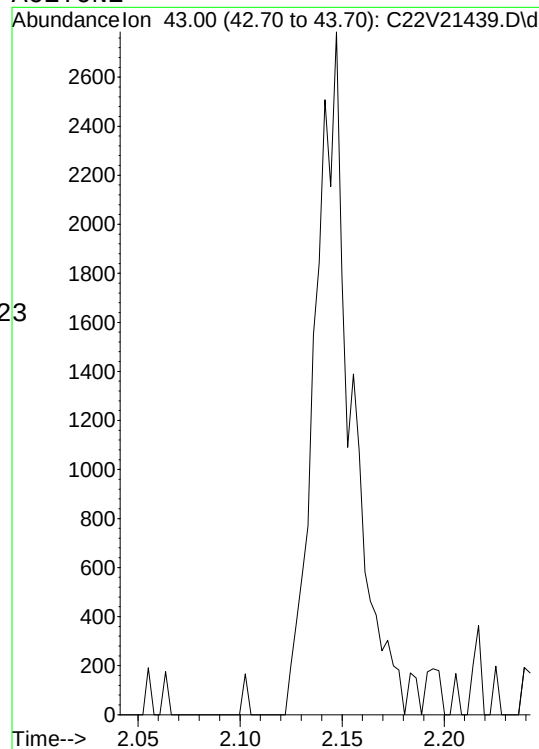
RT : 2.15
Area : 3429
Amount: 3.21679

Manual Int. Results

Thu Aug 03 07:49:26 2023

MIuser: MFF
Reason: Split Peak
RT : 0.00
Area : 0
Amount: 0

Manual Integration
ACETONE

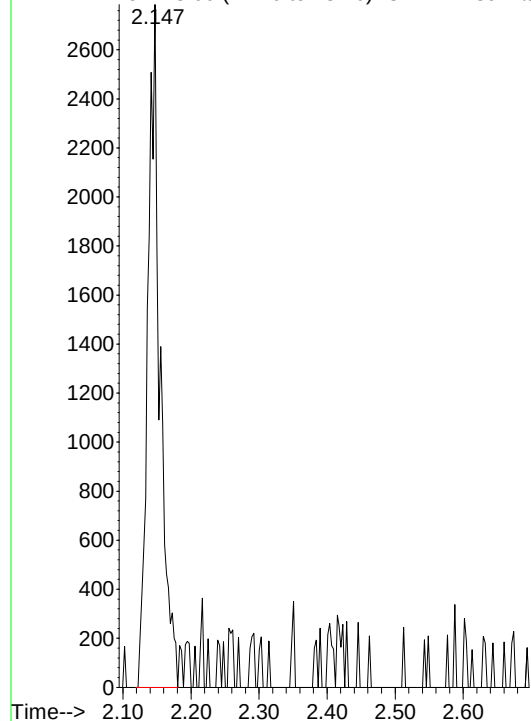


Data Path : C:\msdchem\1\data\C080223\
Data File : C22V21439.D
Acq On : 3 Aug 2023 1:54 am
Operator :
Sample : 23G3932-02
Misc :

Quant Time : Thu Aug 03 07:49:33 2023
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Fri Apr 21 09:50:20 2023

Original Integration
METHYL ACETATE

Abundance Ion 43.00 (42.70 to 43.70): C22V21439.D



Original Int. Results

RT : 2.15
Area : 3429
Amount: 0.826329

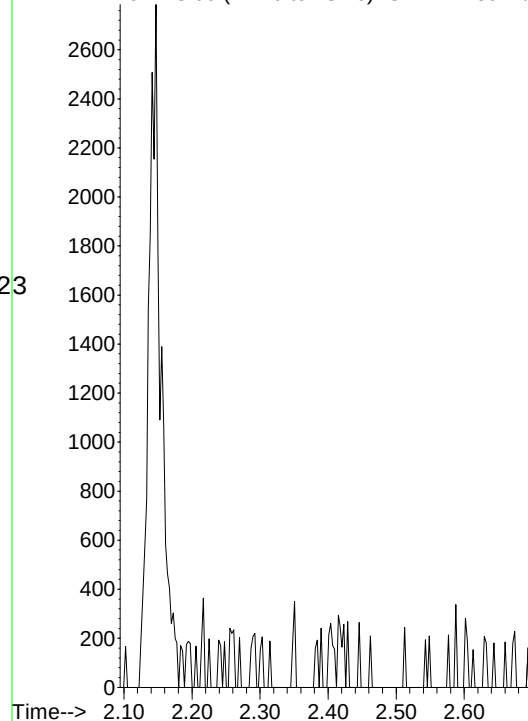
Manual Int. Results

Thu Aug 03 07:49:26 2023

MIuser: MFF
Reason: Split Peak
RT : 0.00
Area : 0
Amount: 0

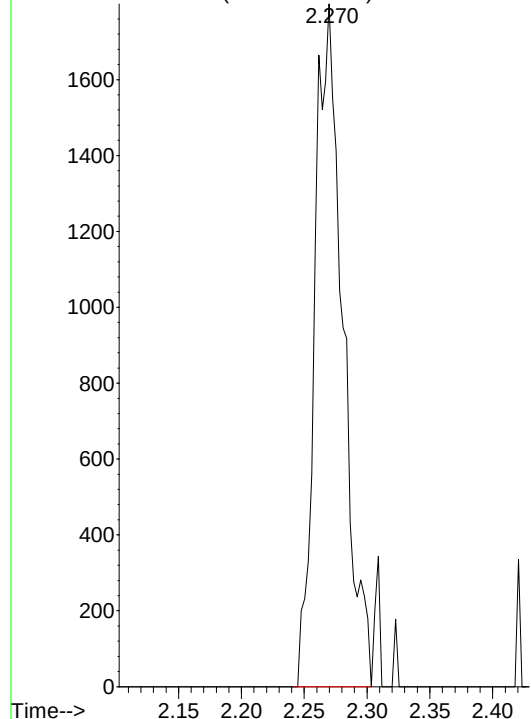
Manual Integration
METHYL ACETATE

Abundance Ion 43.00 (42.70 to 43.70): C22V21439.D



Original Integration
CARBON DISULFIDE

Abundance Ion 76.00 (75.70 to 76.70): C22V21439.D



Original Int. Results

RT : 2.27
Area : 2776
Amount: 0.379218

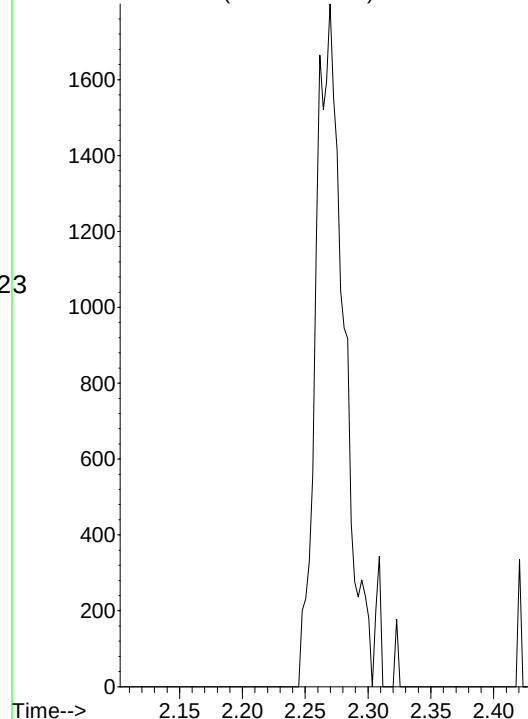
Manual Int. Results

Thu Aug 03 07:49:26 2023

MIuser: MFF
Reason: Split Peak
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CARBON DISULFIDE

Abundance Ion 76.00 (75.70 to 76.70): C22V21439.D

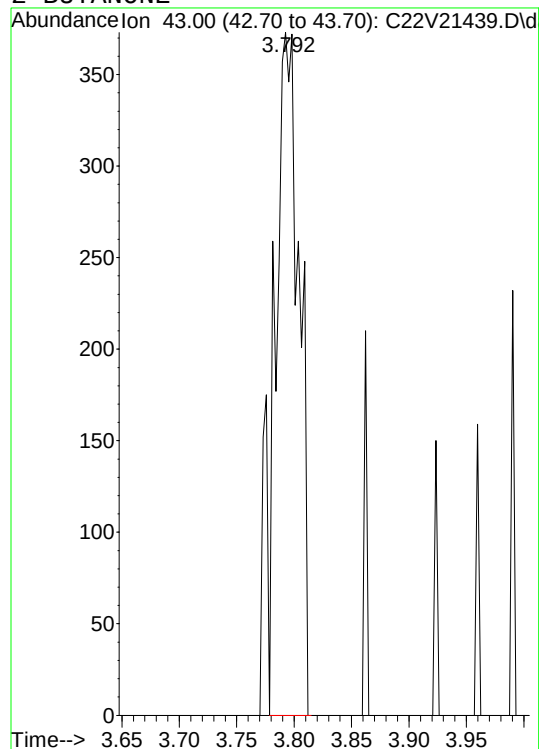


Data Path : C:\msdchem\1\data\C080223\
Data File : C22V21439.D
Acq On : 3 Aug 2023 1:54 am
Operator :
Sample : 23G3932-02
Misc :

Quant Time : Thu Aug 03 07:49:33 2023
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Fri Apr 21 09:50:20 2023

Original Integration

2-BUTANONE



Original Int. Results

RT : 3.79
Area : 513
Amount: 0.332685

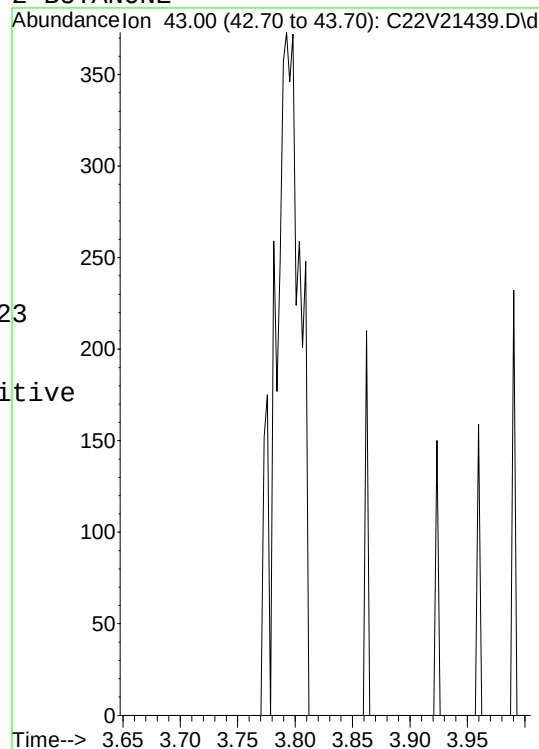
Manual Int. Results

Thu Aug 03 07:49:25 2023

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

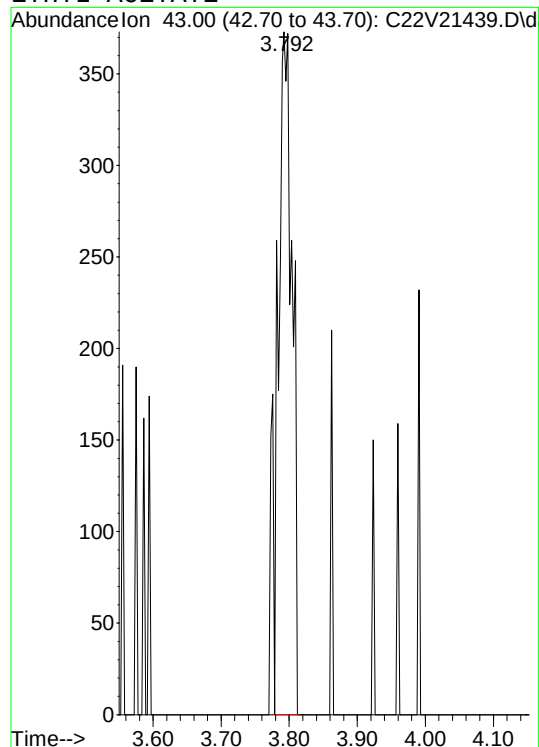
Manual Integration

2-BUTANONE



Original Integration

ETHYL ACETATE



Original Int. Results

RT : 3.79
Area : 513
Amount: 0.134693

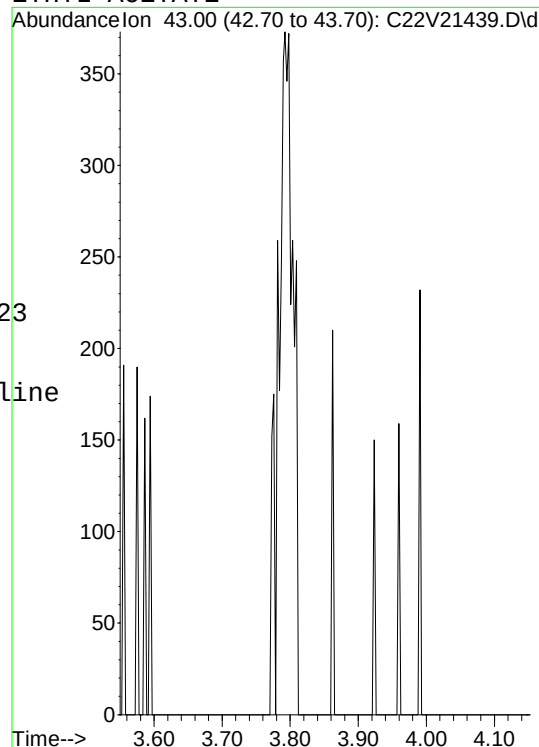
Manual Int. Results

Thu Aug 03 07:49:24 2023

MIuser: MFF
Reason: Incorrect Baseline
RT : 0.00
Area : 0
Amount: 0

Manual Integration

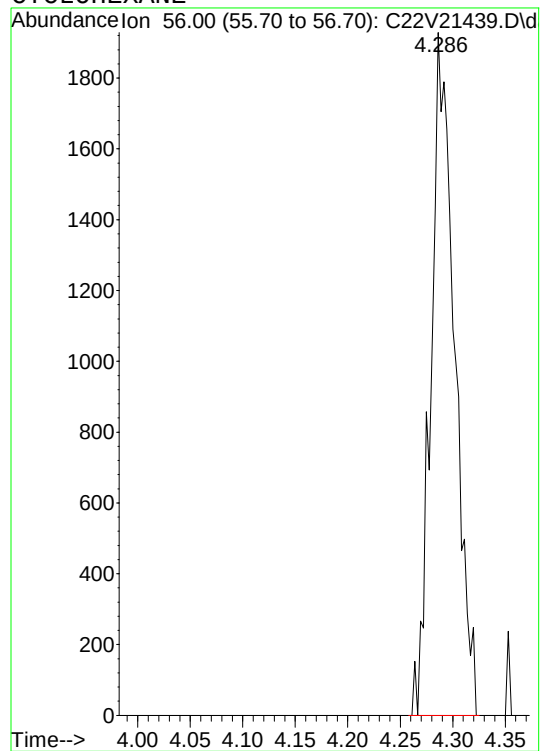
ETHYL ACETATE



Data Path : C:\msdchem\1\data\C080223\
Data File : C22V21439.D
Acq On : 3 Aug 2023 1:54 am
Operator :
Sample : 23G3932-02
Misc :

Quant Time : Thu Aug 03 07:49:33 2023
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Fri Apr 21 09:50:20 2023

Original Integration
CYCLOHEXANE



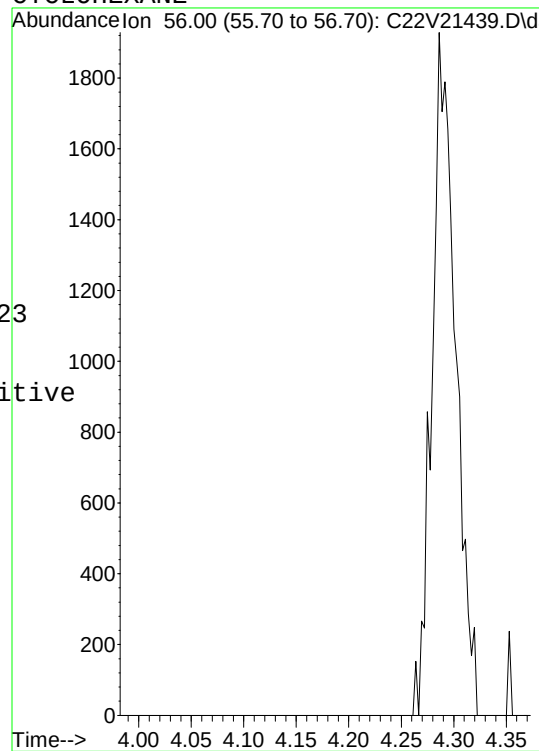
Original Int. Results

RT : 4.29
Area : 2991
Amount: 0.721644

Manual Int. Results

Thu Aug 03 07:49:32 2023
MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CYCLOHEXANE



1 - FORM I

ANALYSIS DATA SHEET

77

MW-10

Laboratory:	Pace New England	Work Order:	23G3932
Client:	NYDEC_AECOM - Buffalo, NY	Project:	C.A.E. Electronics_CAT B - CO 147580
Matrix:	Ground Water	Laboratory ID:	23G3932-03
		File ID:	C22V21440.D
Sampled:	07/27/23 11:15	Prepared:	08/01/23 07:14
		Analyzed:	08/03/23 02:21
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B347625	Sequence:	S091452
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone		2.0	50	
71-43-2	Benzene		0.18	1.0	
74-97-5	Bromochloromethane		0.28	1.0	
75-27-4	Bromodichloromethane		0.16	0.50	
75-25-2	Bromoform		0.41	1.0	
74-83-9	Bromomethane		1.3	2.0	
78-93-3	2-Butanone (MEK)		1.7	20	
75-15-0	Carbon Disulfide		1.6	5.0	
56-23-5	Carbon Tetrachloride		0.16	5.0	V-05
108-90-7	Chlorobenzene		0.12	1.0	
124-48-1	Chlorodibromomethane		0.20	0.50	
75-00-3	Chloroethane		0.34	2.0	
67-66-3	Chloroform		0.14	2.0	
74-87-3	Chloromethane		0.50	2.0	
110-82-7	Cyclohexane		1.8	5.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.85	5.0	V-05
106-93-4	1,2-Dibromoethane (EDB)		0.16	0.50	
95-50-1	1,2-Dichlorobenzene		0.13	1.0	
541-73-1	1,3-Dichlorobenzene		0.14	1.0	
106-46-7	1,4-Dichlorobenzene		0.13	1.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.16	2.0	
75-34-3	1,1-Dichloroethane		0.14	1.0	
107-06-2	1,2-Dichloroethane		0.30	1.0	
75-35-4	1,1-Dichloroethylene		0.14	1.0	
156-59-2	cis-1,2-Dichloroethylene		0.14	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.17	1.0	
78-87-5	1,2-Dichloropropane		0.19	1.0	
10061-01-5	cis-1,3-Dichloropropene		0.16	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.14	0.50	
123-91-1	1,4-Dioxane		18	50	

1 - FORM I

ANALYSIS DATA SHEET

78

MW-10

Laboratory:	Pace New England	Work Order:	23G3932
Client:	NYDEC_AECOM - Buffalo, NY	Project:	C.A.E. Electronics_CAT B - CO 147580
Matrix:	Ground Water	Laboratory ID:	23G3932-03
		File ID:	C22V21440.D
Sampled:	07/27/23 11:15	Prepared:	08/01/23 07:14
		Analyzed:	08/03/23 02:21
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B347625	Sequence:	S091452
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
100-41-4	Ethylbenzene		0.22	1.0	
591-78-6	2-Hexanone (MBK)		1.2	10	
98-82-8	Isopropylbenzene (Cumene)		0.15	1.0	
79-20-9	Methyl Acetate		0.61	1.0	V-05
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.17	1.0	
108-87-2	Methyl Cyclohexane		0.16	1.0	
75-09-2	Methylene Chloride		0.18	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.3	10	
100-42-5	Styrene		0.15	1.0	
79-34-5	1,1,2,2-Tetrachloroethane		0.14	0.50	
127-18-4	Tetrachloroethylene		0.17	1.0	
108-88-3	Toluene		0.22	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.34	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.30	1.0	
71-55-6	1,1,1-Trichloroethane	0.37	0.15	1.0	J
79-00-5	1,1,2-Trichloroethane		0.19	1.0	
79-01-6	Trichloroethylene	0.54	0.17	1.0	J
75-69-4	Trichlorofluoromethane (Freon 11)		0.15	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)		0.21	1.0	
75-01-4	Vinyl Chloride		0.24	2.0	
1330-20-7	Xylenes (total)		1.0	1.0	

Data Path : C:\msdchem\1\data\C080223\
 Data File : C22V21440.D
 Acq On : 3 Aug 2023 2:21 am
 Operator :
 Sample : 23G3932-03
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Inst : GCMSVOA3

Quant Time: Aug 03 07:50:05 2023
 Quant Method : C:\msdchem\1\methods\C080822.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Fri Apr 21 09:50:20 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	4.289	168	175504	30.00	UG/L	0.00
48) 1,4-DIFLUOROBENZENE - ...	5.011	114	266031	30.00	UG/L	0.00
70) CHLOROBENZENE-D5 ISTD	7.842	82	131114	30.00	UG/L	0.00
89) 1,4-DICHLOROBENZENE-D4...	10.139	152	117851	30.00	UG/L	# 0.00
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.565	65	81641	24.79	UG/L	0.00
Spiked Amount 25.000	Range	70 - 130	Recovery	=	99.16%	
49) TOLUENE SS	6.444	98	258915	24.57	UG/L	0.00
Spiked Amount 25.000	Range	70 - 130	Recovery	=	98.28%	
71) 4-BROMOFLUOROBENZENE SS	8.999	95	83427	21.46	UG/L	0.00
Spiked Amount 25.000	Range	70 - 130	Recovery	=	85.84%	
Target Compounds						
41) 1,1,1-TRICHLOROETHANE	4.244	97	1366	0.37	UG/L	# 88
51) TRICHLOROETHENE	5.259	95	1326	0.54	UG/L	# 78

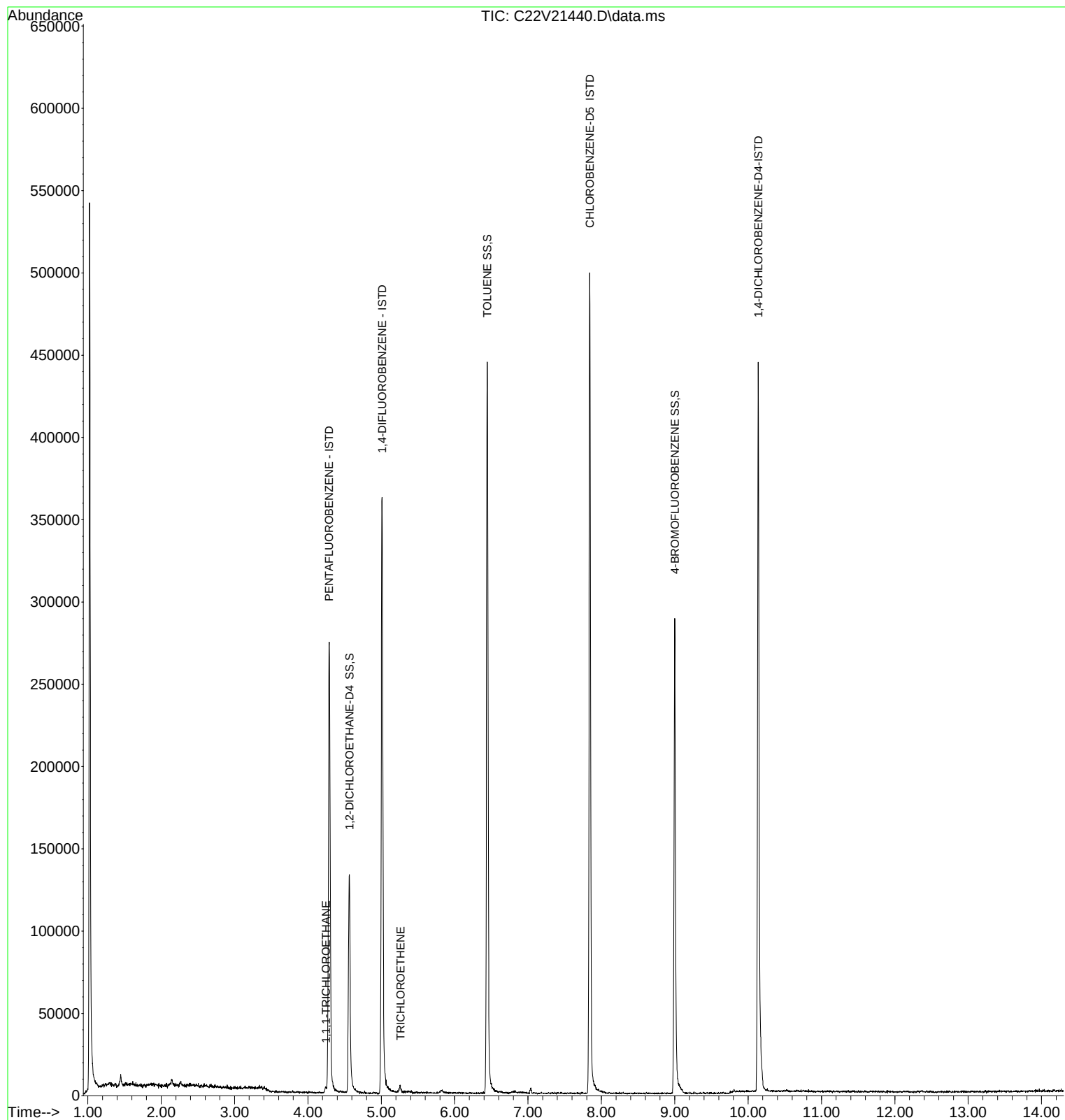
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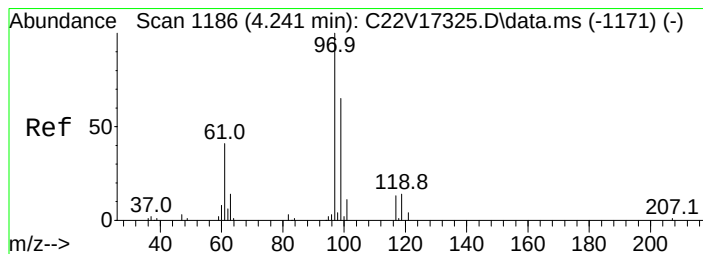
Data Path : C:\msdchem\1\data\C080223\
Data File : C22V21440.D
Acq On : 3 Aug 2023 2:21 am
Operator :
Sample : 23G3932-03
Misc :
ALS Vial : 40 Sample Multiplier: 1

Inst : GCMSV0A3

80

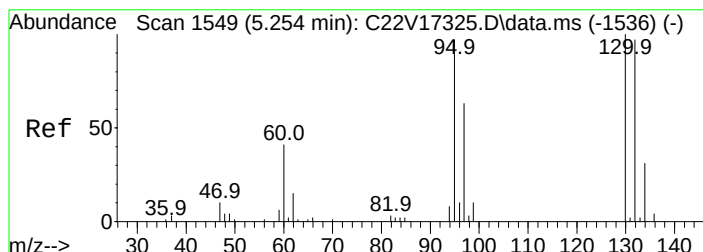
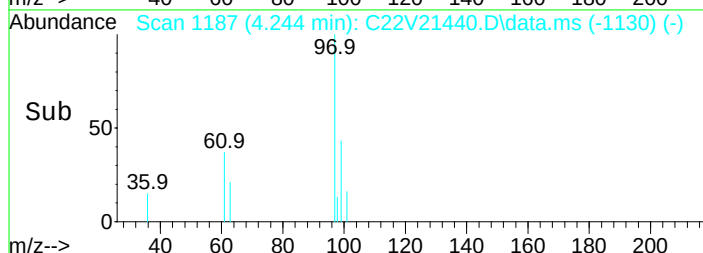
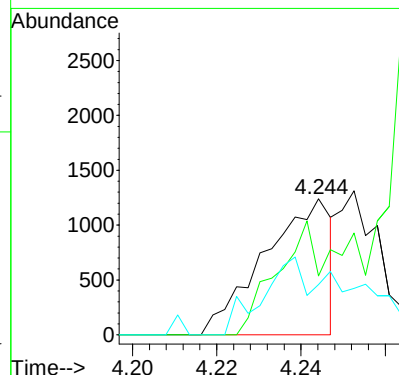
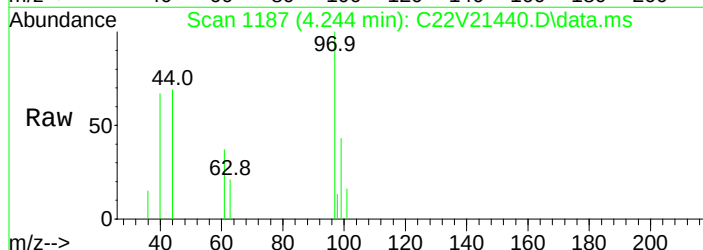
Quant Time: Aug 03 07:50:05 2023
Quant Method : C:\msdchem\1\methods\C080822.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Fri Apr 21 09:50:20 2023
Response via : Initial Calibration





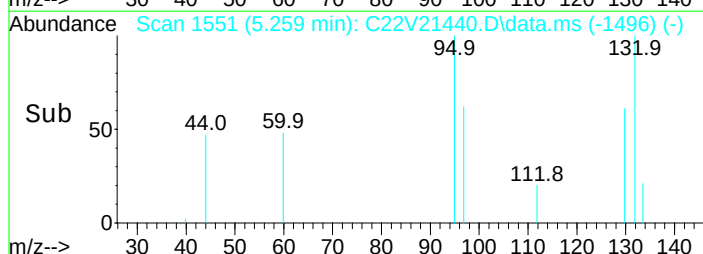
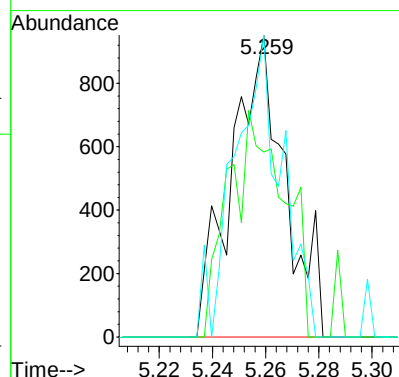
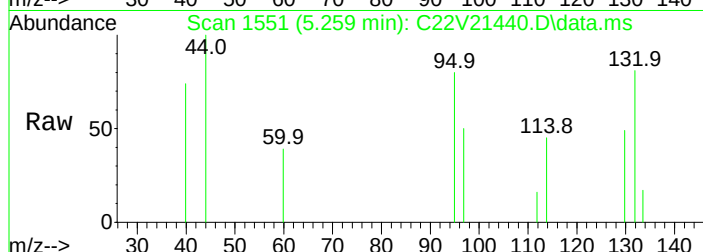
#41
 1,1,1-TRICHLOROETHANE
 Concen: 0.37 UG/L
 RT: 4.244 min Scan# 1187
 Delta R.T. -0.003 min
 Lab File: C22V21440.D
 Acq: 3 Aug 2023 2:21 am

Tgt Ion	Ratio	Lower	Upper
97	100		
99	50.1	52.7	79.1#
61	42.0	33.4	50.2



#51
 TRICHLOROETHENE
 Concen: 0.54 UG/L
 RT: 5.259 min Scan# 1551
 Delta R.T. 0.003 min
 Lab File: C22V21440.D
 Acq: 3 Aug 2023 2:21 am

Tgt Ion	Ratio	Lower	Upper
95	100		
130	78.8	85.7	128.5#
132	88.8	84.7	127.1

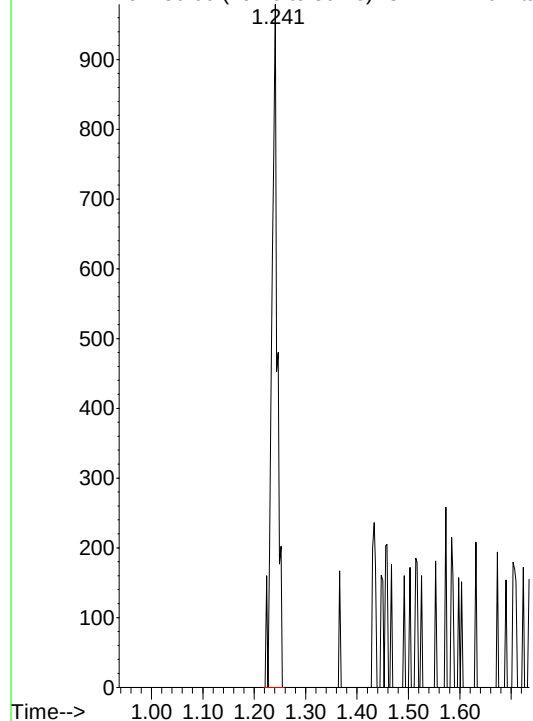


Data Path : C:\msdchem\1\data\C080223\
Data File : C22V21440.D
Acq On : 3 Aug 2023 2:21 am
Operator :
Sample : 23G3932-03
Misc :

Quant Time : Thu Aug 03 07:50:05 2023
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Fri Apr 21 09:50:20 2023

Original Integration
CHLOROMETHANE

Abundance on 50.00 (49.70 to 50.70): C22V21440.Did



Original Int. Results

RT : 1.24
Area : 741
Amount: 0.178515

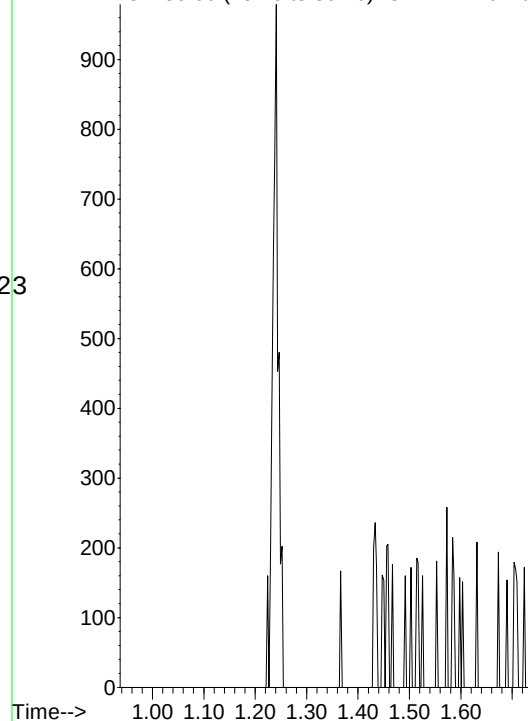
Manual Int. Results

Thu Aug 03 07:49:58 2023

MIuser: MFF
Reason: Split Peak
RT : 0.00
Area : 0
Amount: 0

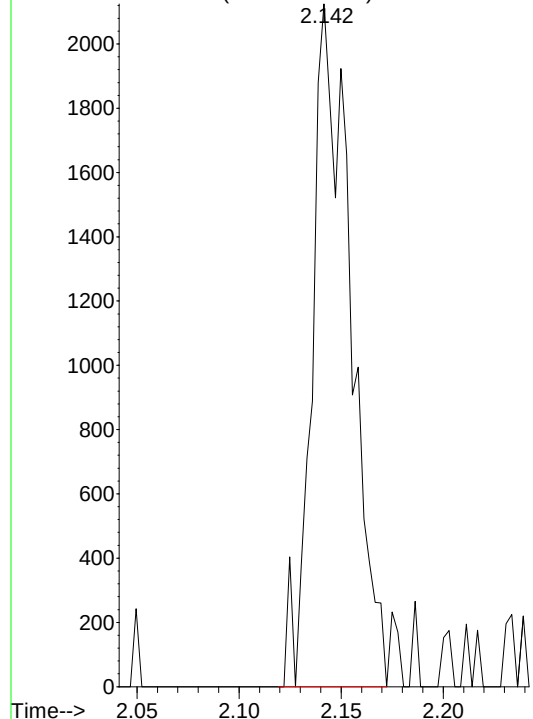
Manual Integration
CHLOROMETHANE

Abundance on 50.00 (49.70 to 50.70): C22V21440.Did



Original Integration
ACETONE

Abundance on 43.00 (42.70 to 43.70): C22V21440.Did



Original Int. Results

RT : 2.14
Area : 2785
Amount: 2.61437

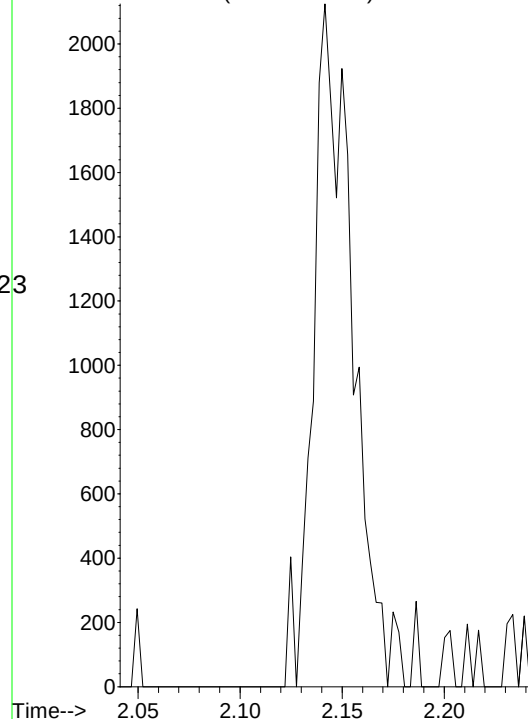
Manual Int. Results

Thu Aug 03 07:49:58 2023

MIuser: MFF
Reason: Split Peak
RT : 0.00
Area : 0
Amount: 0

Manual Integration
ACETONE

Abundance on 43.00 (42.70 to 43.70): C22V21440.Did

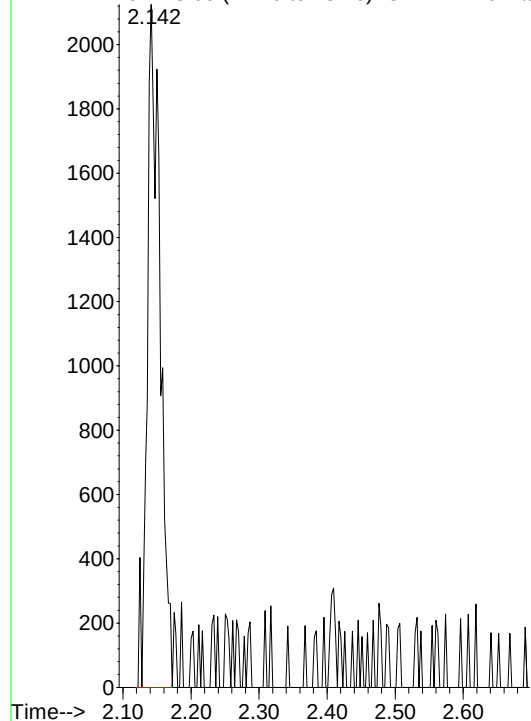


Data Path : C:\msdchem\1\data\C080223\
Data File : C22V21440.D
Acq On : 3 Aug 2023 2:21 am
Operator :
Sample : 23G3932-03
Misc :

Quant Time : Thu Aug 03 07:50:05 2023
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Fri Apr 21 09:50:20 2023

Original Integration
METHYL ACETATE

Abundance Ion 43.00 (42.70 to 43.70): C22V21440.D



Original Int. Results

RT : 2.14
Area : 2785
Amount: 0.67158

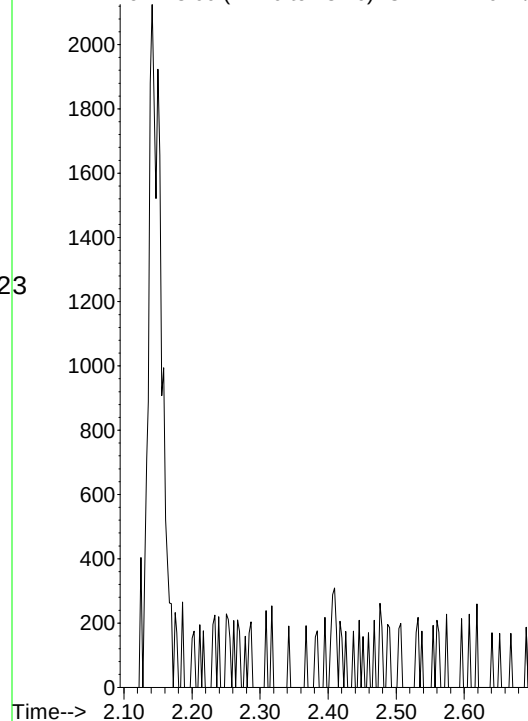
Manual Int. Results

Thu Aug 03 07:49:58 2023

MIuser: MFF
Reason: Split Peak
RT : 0.00
Area : 0
Amount: 0

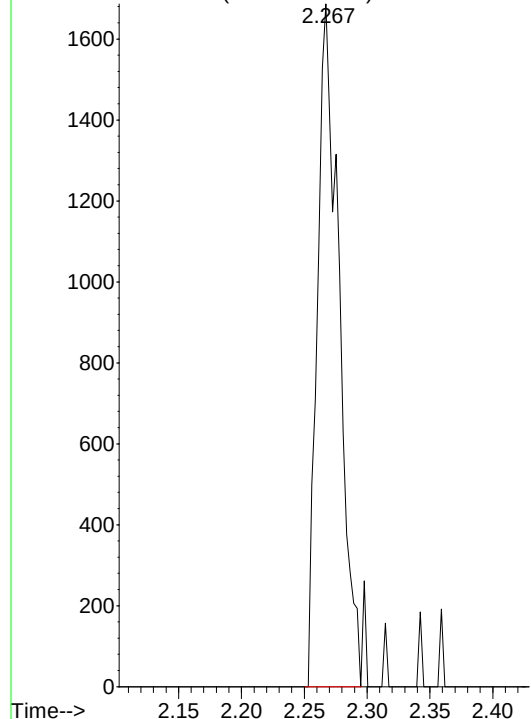
Manual Integration
METHYL ACETATE

Abundance Ion 43.00 (42.70 to 43.70): C22V21440.D



Original Integration
CARBON DISULFIDE

Abundance Ion 76.00 (75.70 to 76.70): C22V21440.D



Original Int. Results

RT : 2.27
Area : 2034
Amount: 0.27804

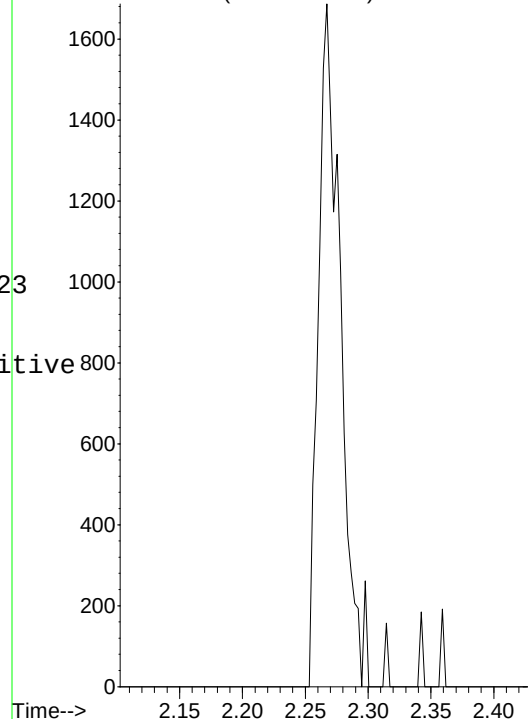
Manual Int. Results

Thu Aug 03 07:49:56 2023

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CARBON DISULFIDE

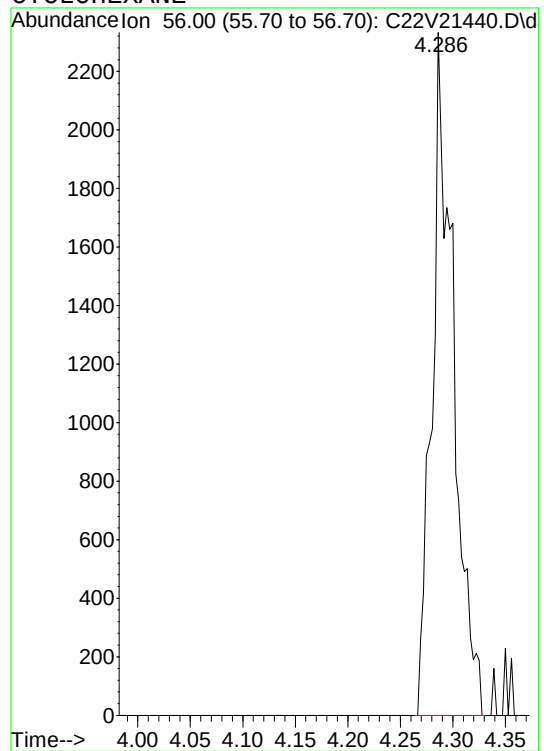
Abundance Ion 76.00 (75.70 to 76.70): C22V21440.D



Data Path : C:\msdchem\1\data\C080223\
Data File : C22V21440.D
Acq On : 3 Aug 2023 2:21 am
Operator :
Sample : 23G3932-03
Misc :

Quant Time : Thu Aug 03 07:50:05 2023
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Fri Apr 21 09:50:20 2023

Original Integration
CYCLOHEXANE



Original Int. Results

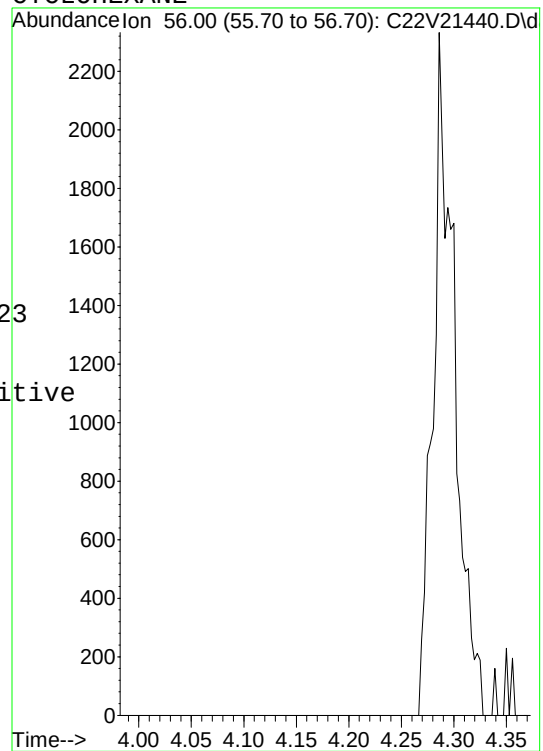
RT : 4.29
Area : 3300
Amount: 0.796723

Manual Int. Results

Thu Aug 03 07:50:04 2023

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CYCLOHEXANE



1 - FORM I

ANALYSIS DATA SHEET

85

MW-04

Laboratory:	Pace New England	Work Order:	23G3932
Client:	NYDEC_AECOM - Buffalo, NY	Project:	C.A.E. Electronics_CAT B - CO 147580
Matrix:	Ground Water	Laboratory ID:	23G3932-04
		File ID:	C22V21441.D
Sampled:	07/27/23 11:25	Prepared:	08/01/23 07:14
		Analyzed:	08/03/23 02:47
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B347625	Sequence:	S091452
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone		2.0	50	
71-43-2	Benzene		0.18	1.0	
74-97-5	Bromochloromethane		0.28	1.0	
75-27-4	Bromodichloromethane		0.16	0.50	
75-25-2	Bromoform		0.41	1.0	
74-83-9	Bromomethane		1.3	2.0	
78-93-3	2-Butanone (MEK)		1.7	20	
75-15-0	Carbon Disulfide		1.6	5.0	
56-23-5	Carbon Tetrachloride		0.16	5.0	V-05
108-90-7	Chlorobenzene		0.12	1.0	
124-48-1	Chlorodibromomethane		0.20	0.50	
75-00-3	Chloroethane		0.34	2.0	
67-66-3	Chloroform		0.14	2.0	
74-87-3	Chloromethane		0.50	2.0	
110-82-7	Cyclohexane		1.8	5.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.85	5.0	V-05
106-93-4	1,2-Dibromoethane (EDB)		0.16	0.50	
95-50-1	1,2-Dichlorobenzene		0.13	1.0	
541-73-1	1,3-Dichlorobenzene		0.14	1.0	
106-46-7	1,4-Dichlorobenzene		0.13	1.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.16	2.0	
75-34-3	1,1-Dichloroethane		0.14	1.0	
107-06-2	1,2-Dichloroethane		0.30	1.0	
75-35-4	1,1-Dichloroethylene		0.14	1.0	
156-59-2	cis-1,2-Dichloroethylene		0.14	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.17	1.0	
78-87-5	1,2-Dichloropropane		0.19	1.0	
10061-01-5	cis-1,3-Dichloropropene		0.16	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.14	0.50	
123-91-1	1,4-Dioxane		18	50	

1 - FORM I

ANALYSIS DATA SHEET

86

MW-04

Laboratory:	Pace New England	Work Order:	23G3932
Client:	NYDEC_AECOM - Buffalo, NY	Project:	C.A.E. Electronics_CAT B - CO 147580
Matrix:	Ground Water	Laboratory ID:	23G3932-04
		File ID:	C22V21441.D
Sampled:	07/27/23 11:25	Prepared:	08/01/23 07:14
		Analyzed:	08/03/23 02:47
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B347625	Sequence:	S091452
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
100-41-4	Ethylbenzene		0.22	1.0	
591-78-6	2-Hexanone (MBK)		1.2	10	
98-82-8	Isopropylbenzene (Cumene)		0.15	1.0	
79-20-9	Methyl Acetate		0.61	1.0	V-05
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.17	1.0	
108-87-2	Methyl Cyclohexane		0.16	1.0	
75-09-2	Methylene Chloride		0.18	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.3	10	
100-42-5	Styrene		0.15	1.0	
79-34-5	1,1,2,2-Tetrachloroethane		0.14	0.50	
127-18-4	Tetrachloroethylene		0.17	1.0	
108-88-3	Toluene		0.22	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.34	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.30	1.0	
71-55-6	1,1,1-Trichloroethane	0.51	0.15	1.0	J
79-00-5	1,1,2-Trichloroethane		0.19	1.0	
79-01-6	Trichloroethylene	0.27	0.17	1.0	J
75-69-4	Trichlorofluoromethane (Freon 11)		0.15	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1.5	0.21	1.0	
75-01-4	Vinyl Chloride		0.24	2.0	
1330-20-7	Xylenes (total)		1.0	1.0	

Data Path : C:\msdchem\1\data\C080223\
 Data File : C22V21441.D
 Acq On : 3 Aug 2023 2:47 am
 Operator :
 Sample : 23G3932-04
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Inst : GCMSVOA3

Quant Time: Aug 03 07:51:09 2023
 Quant Method : C:\msdchem\1\methods\C080822.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Fri Apr 21 09:50:20 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	4.291	168	166461	30.00	UG/L	0.00
48) 1,4-DIFLUOROBENZENE - ...	5.011	114	249265	30.00	UG/L	0.00
70) CHLOROBENZENE-D5 ISTD	7.841	82	124359	30.00	UG/L	0.00
89) 1,4-DICHLOROBENZENE-D4...	10.139	152	109603	30.00	UG/L	# 0.00
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.562	65	76765	24.58	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery	=	98.32%	
49) TOLUENE SS	6.444	98	248204	25.14	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery	=	100.56%	
71) 4-BROMOFLUOROBENZENE SS	9.001	95	79367	21.53	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery	=	86.12%	
Target Compounds						
16) 1,1,2-TRICL-1,2,2-TRIF...	2.102	101	3228	1.54	UG/L	Qvalue 88
41) 1,1,1-TRICHLOROETHANE	4.238	97	1801	0.51	UG/L	# 49
51) TRICHLOROETHENE	5.254	95	621	0.27	UG/L	# 46

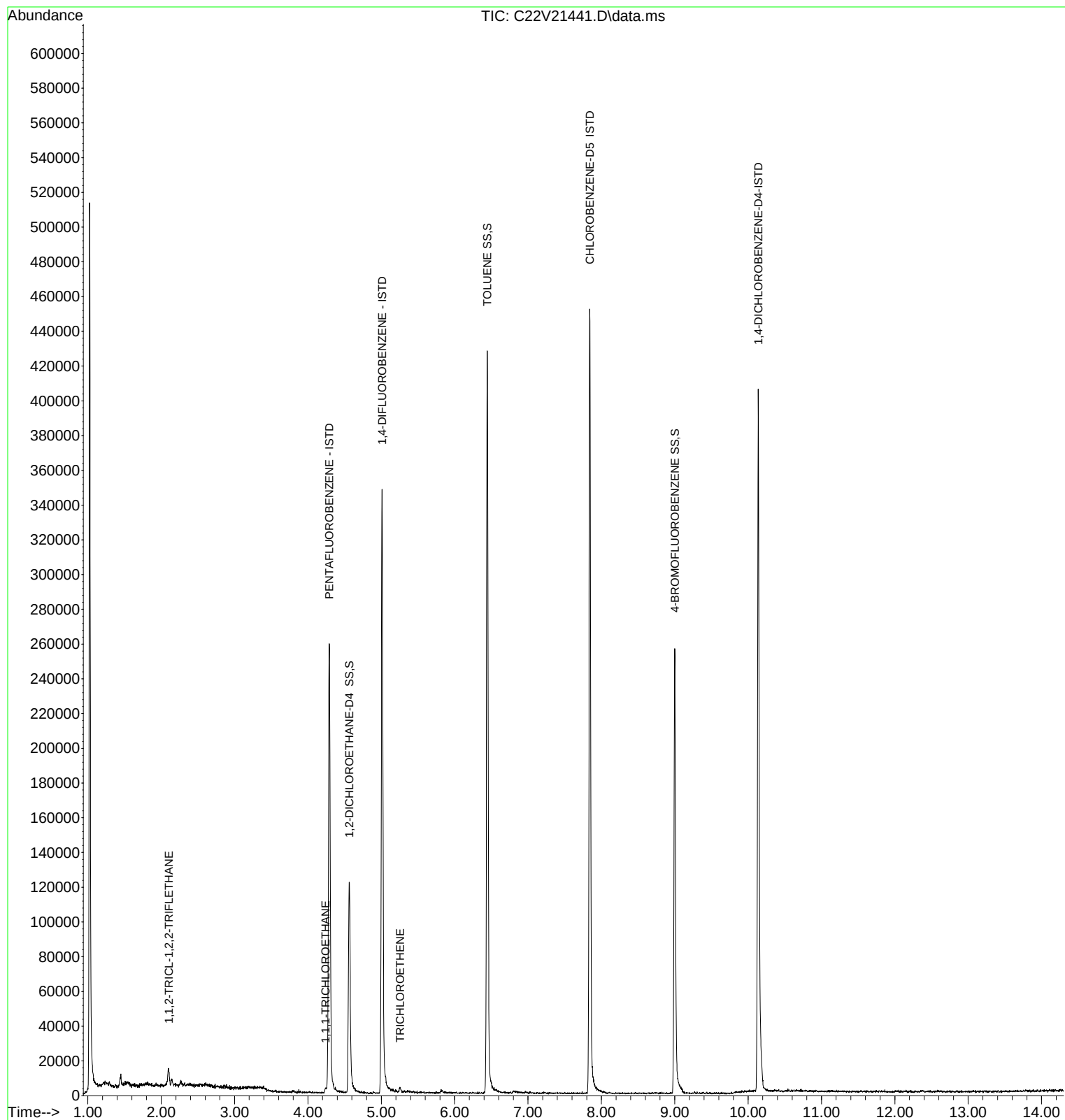
(#) = qualifier out of range (m) = manual integration (+) = signals summed

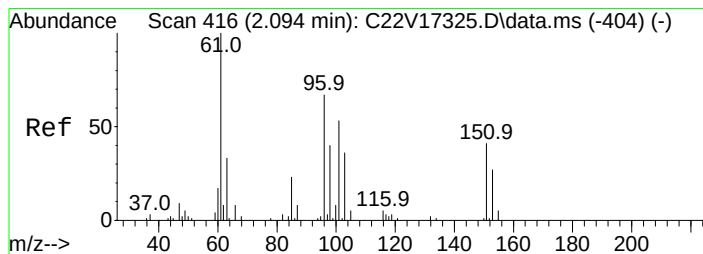
Data Path : C:\msdchem\1\data\C080223\
Data File : C22V21441.D
Acq On : 3 Aug 2023 2:47 am
Operator :
Sample : 23G3932-04
Misc :
ALS Vial : 41 Sample Multiplier: 1

88

Inst : GCMSV0A3

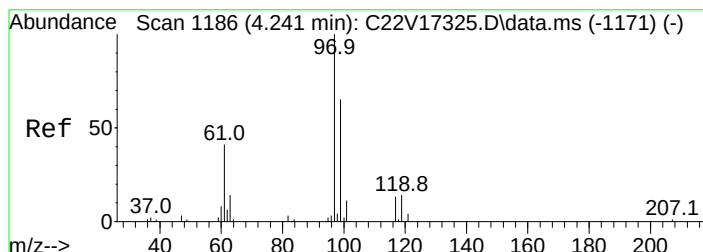
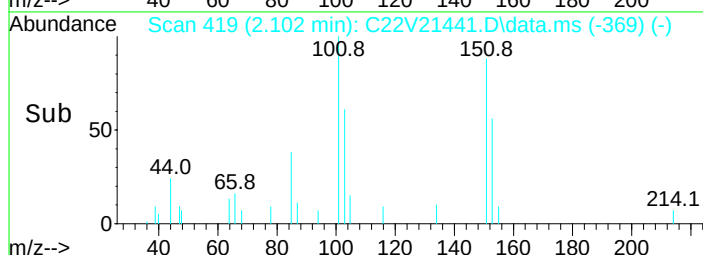
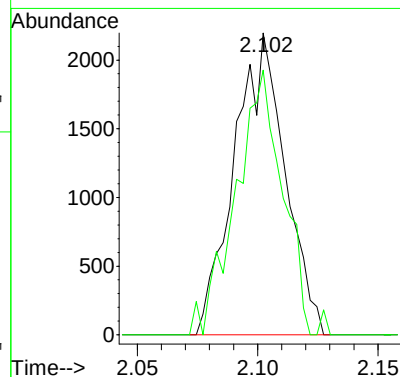
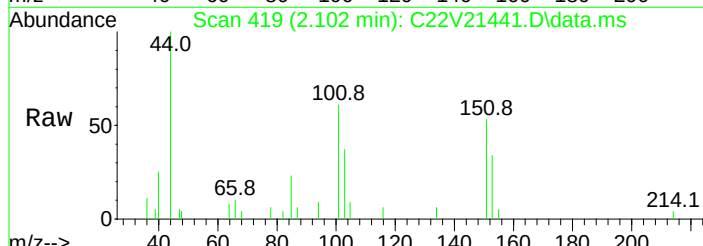
Quant Time: Aug 03 07:51:09 2023
Quant Method : C:\msdchem\1\methods\C080822.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Fri Apr 21 09:50:20 2023
Response via : Initial Calibration





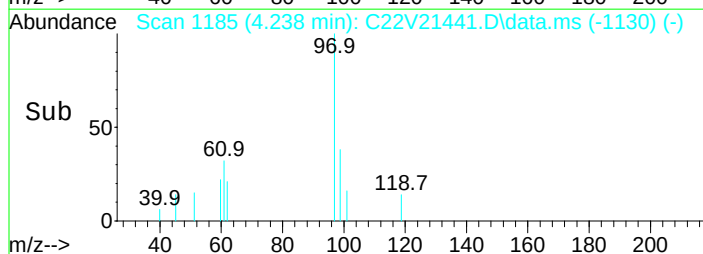
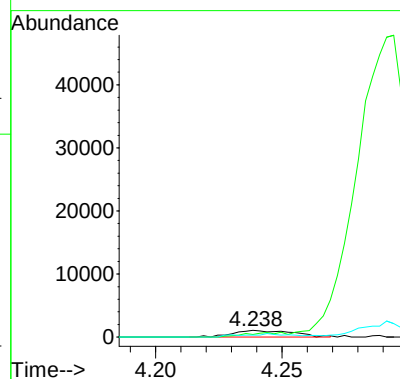
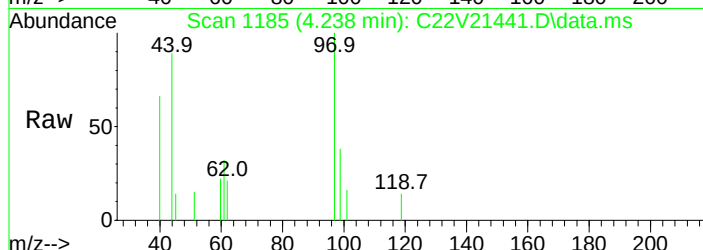
#16
 1,1,2-TRICL-1,2,2-TRIFLETHANE
 Concen: 1.54 UG/L
 RT: 2.102 min Scan# 419
 Delta R.T. 0.008 min
 Lab File: C22V21441.D
 Acq: 3 Aug 2023 2:47 am

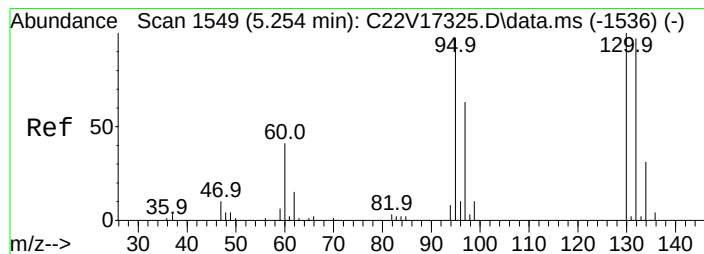
Tgt Ion:101 Resp: 3228
 Ion Ratio Lower Upper
 101 100
 151 80.8 73.8 110.8



#41
 1,1,1-TRICHLOROETHANE
 Concen: 0.51 UG/L
 RT: 4.238 min Scan# 1185
 Delta R.T. -0.008 min
 Lab File: C22V21441.D
 Acq: 3 Aug 2023 2:47 am

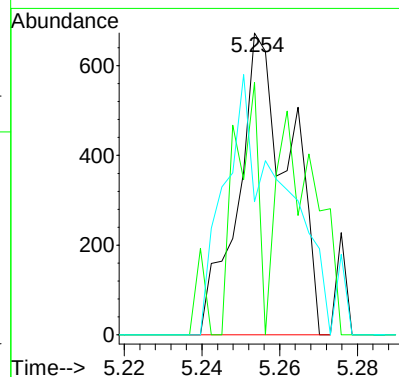
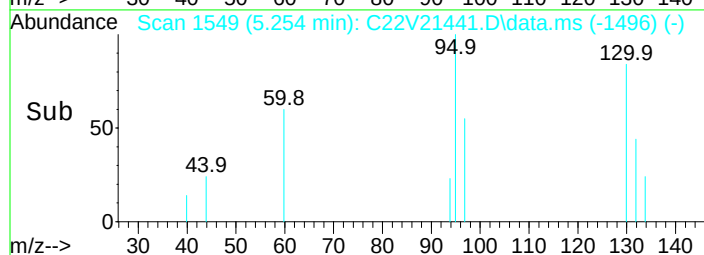
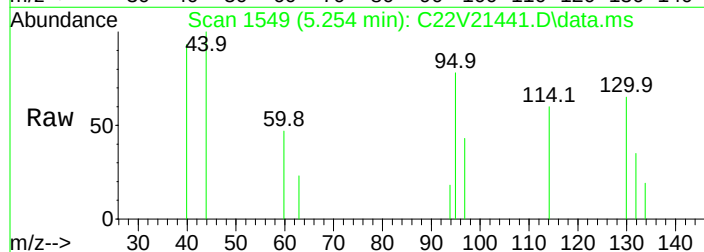
Tgt Ion: 97 Resp: 1801
 Ion Ratio Lower Upper
 97 100
 99 32.6 52.7 79.1#
 61 0.0 33.4 50.2#





#51
TRICHLOROETHENE
Concen: 0.27 UG/L
RT: 5.254 min Scan# 1549
Delta R.T. -0.003 min
Lab File: C22V21441.D
Acq: 3 Aug 2023 2:47 am

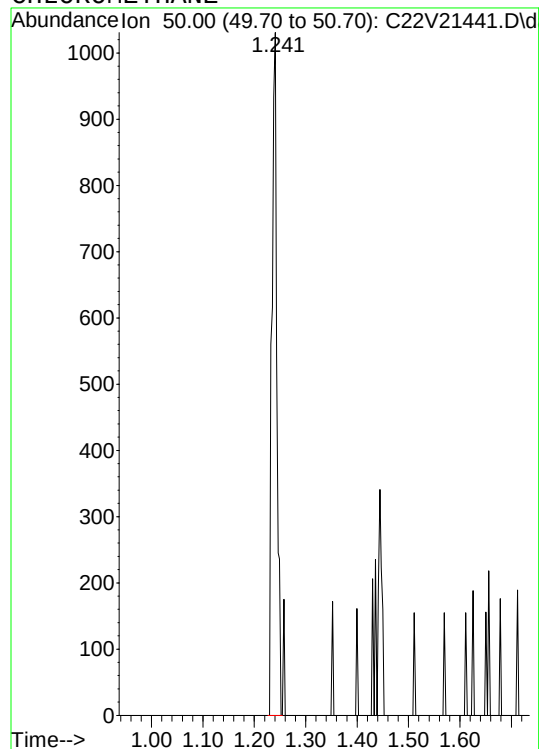
Tgt Ion	95	Resp	621
Ion Ratio	Lower	Upper	
95	100		
130	0.0	85.7	128.5#
132	101.3	84.7	127.1



Data Path : C:\msdchem\1\data\C080223\
Data File : C22V21441.D
Acq On : 3 Aug 2023 2:47 am
Operator :
Sample : 23G3932-04
Misc :

Quant Time : Thu Aug 03 07:51:09 2023
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Fri Apr 21 09:50:20 2023

Original Integration
CHLOROMETHANE



Original Int. Results

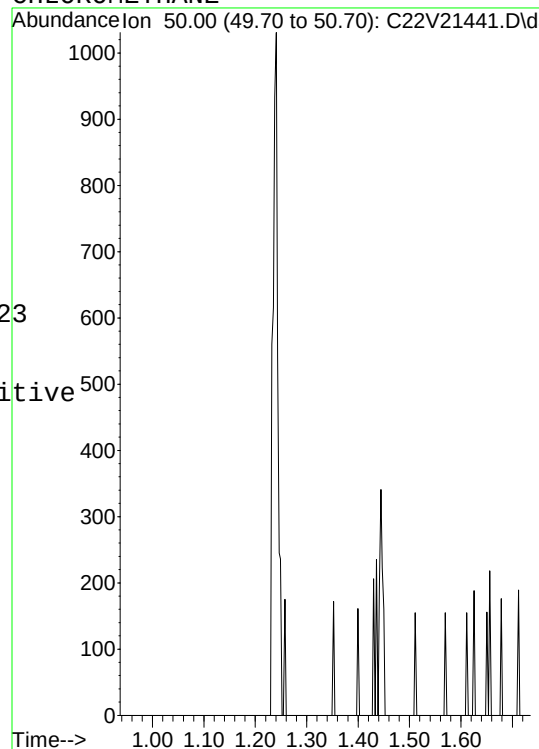
RT : 1.24
Area : 697
Amount: 0.177037

Manual Int. Results

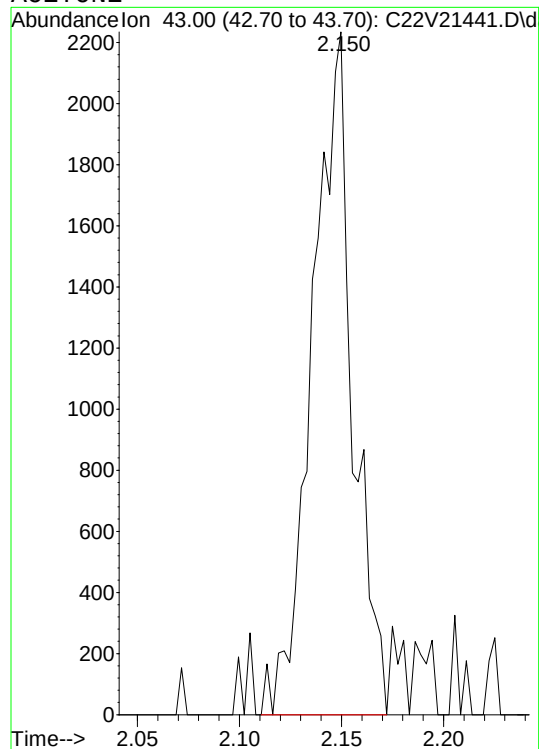
Thu Aug 03 07:50:57 2023

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CHLOROMETHANE



Original Integration
ACETONE



Original Int. Results

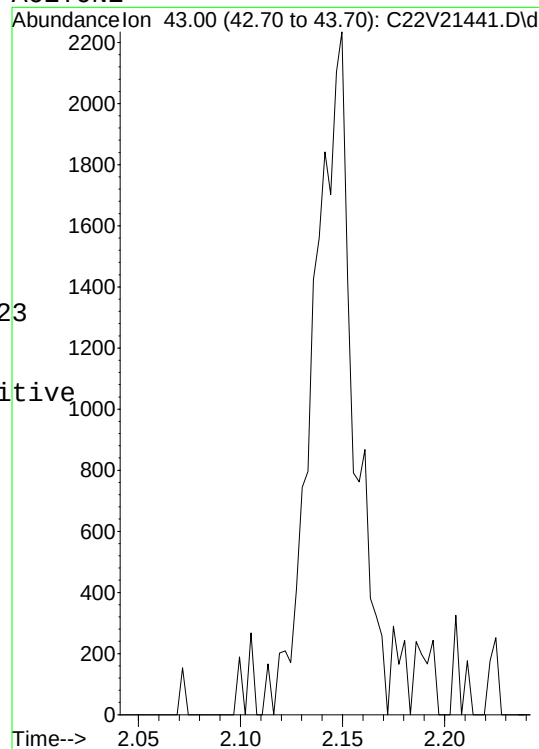
RT : 2.15
Area : 3074
Amount: 3.04243

Manual Int. Results

Thu Aug 03 07:50:56 2023

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

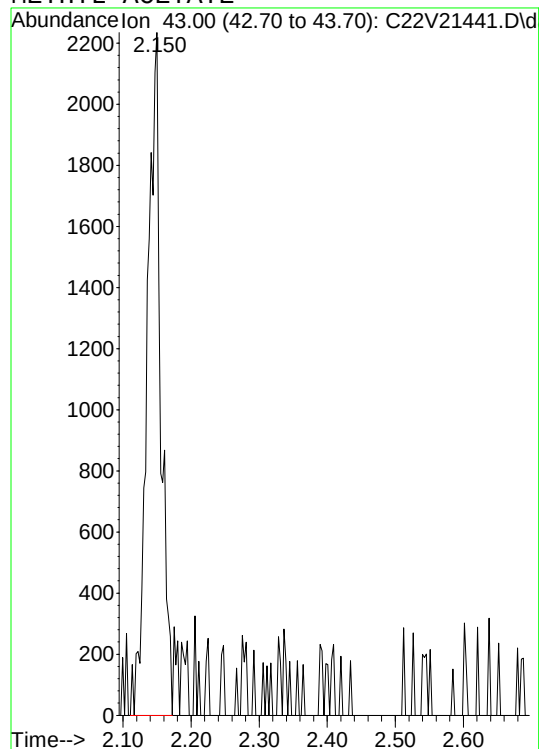
Manual Integration
ACETONE



Data Path : C:\msdchem\1\data\C080223\
Data File : C22V21441.D
Acq On : 3 Aug 2023 2:47 am
Operator :
Sample : 23G3932-04
Misc :

Quant Time : Thu Aug 03 07:51:09 2023
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Fri Apr 21 09:50:20 2023

Original Integration
METHYL ACETATE



Original Int. Results

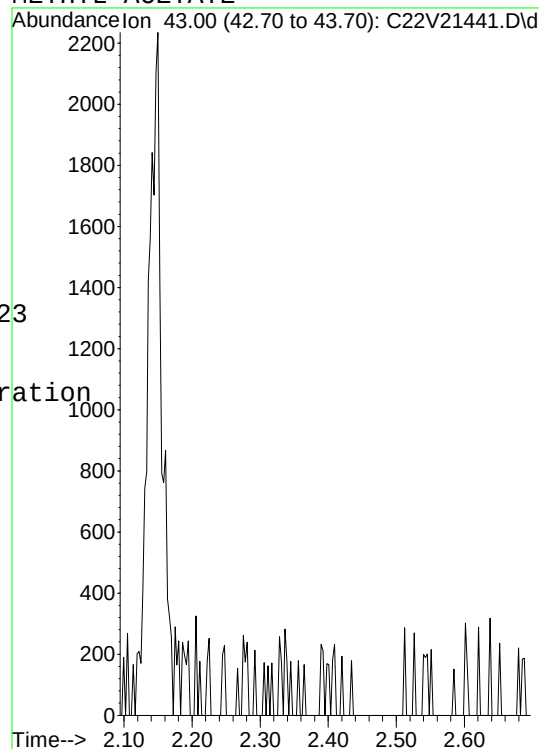
RT : 2.15
Area : 3074
Amount: 0.781539

Manual Int. Results

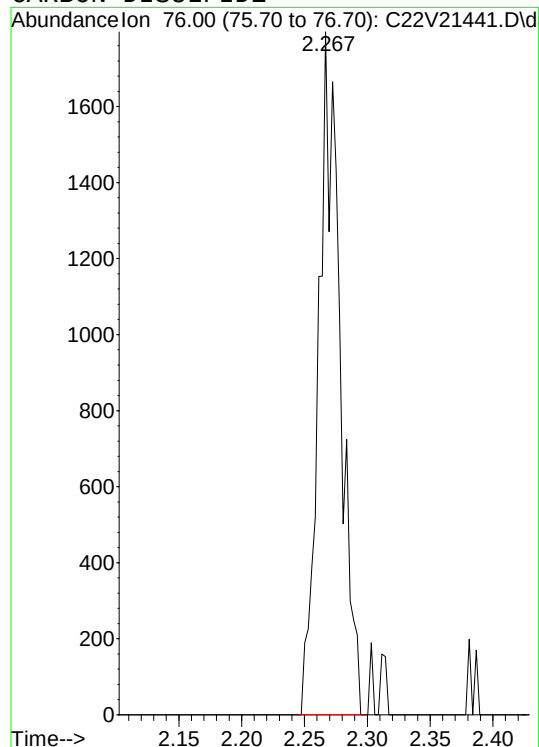
Thu Aug 03 07:51:01 2023

MIuser: MFF
Reason: Incoret Integration
RT : 0.00
Area : 0
Amount: 0

Manual Integration
METHYL ACETATE



Original Integration
CARBON DISULFIDE



Original Int. Results

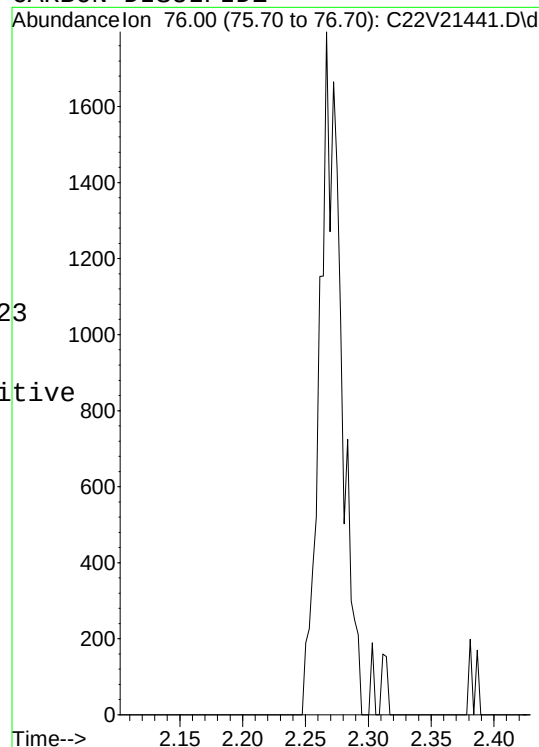
RT : 2.27
Area : 2145
Amount: 0.309142

Manual Int. Results

Thu Aug 03 07:51:04 2023

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

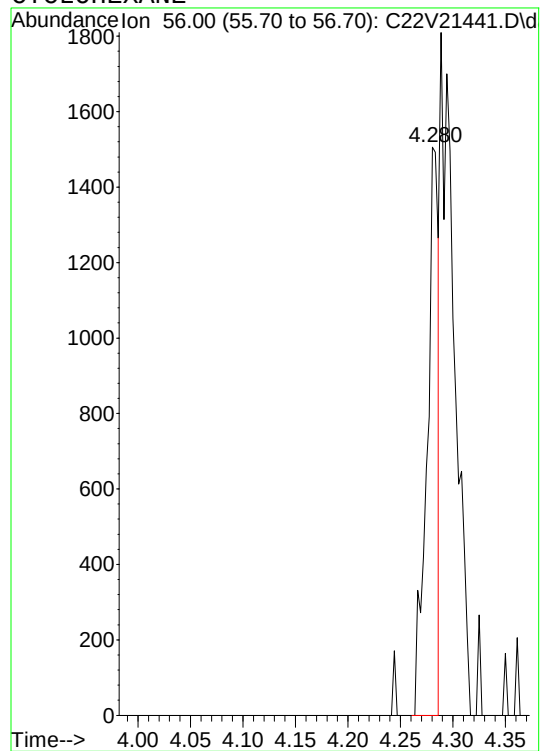
Manual Integration
CARBON DISULFIDE



Data Path : C:\msdchem\1\data\C080223\
Data File : C22V21441.D
Acq On : 3 Aug 2023 2:47 am
Operator :
Sample : 23G3932-04
Misc :

Quant Time : Thu Aug 03 07:51:09 2023
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Fri Apr 21 09:50:20 2023

Original Integration
CYCLOHEXANE



Original Int. Results

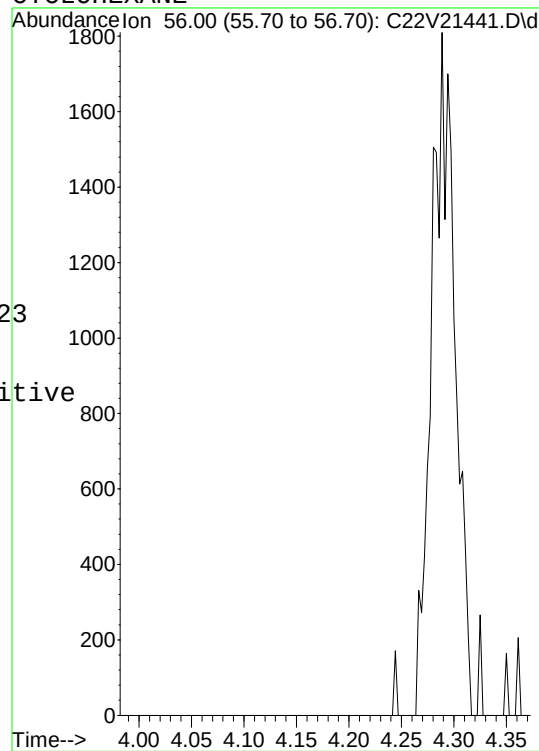
RT : 4.28
Area : 1126
Amount: 0.28662

Manual Int. Results

Thu Aug 03 07:51:08 2023

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CYCLOHEXANE



1 - FORM I

ANALYSIS DATA SHEET

94

MW-28R

Laboratory:	Pace New England	Work Order:	23G3932	
Client:	NYDEC_AECOM - Buffalo, NY	Project:	C.A.E. Electronics_CAT B - CO 147580	
Matrix:	Ground Water	Laboratory ID:	23G3932-05	File ID: C22V21442.D
Sampled:	07/27/23 11:40	Prepared:	08/01/23 07:14	Analyzed: 08/03/23 03:14
Solids:		Preparation:	SW-846 5030B	Dilution: 1
Initial/Final:	5 mL / 5 mL			
Batch:	B347625	Sequence:	S091452	Calibration: 2200537
				Instrument: GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone		2.0	50	
71-43-2	Benzene		0.18	1.0	
74-97-5	Bromochloromethane		0.28	1.0	
75-27-4	Bromodichloromethane		0.16	0.50	
75-25-2	Bromoform		0.41	1.0	
74-83-9	Bromomethane		1.3	2.0	
78-93-3	2-Butanone (MEK)		1.7	20	
75-15-0	Carbon Disulfide		1.6	5.0	
56-23-5	Carbon Tetrachloride		0.16	5.0	V-05
108-90-7	Chlorobenzene		0.12	1.0	
124-48-1	Chlorodibromomethane		0.20	0.50	
75-00-3	Chloroethane		0.34	2.0	
67-66-3	Chloroform		0.14	2.0	
74-87-3	Chloromethane		0.50	2.0	
110-82-7	Cyclohexane		1.8	5.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.85	5.0	V-05
106-93-4	1,2-Dibromoethane (EDB)		0.16	0.50	
95-50-1	1,2-Dichlorobenzene		0.13	1.0	
541-73-1	1,3-Dichlorobenzene		0.14	1.0	
106-46-7	1,4-Dichlorobenzene		0.13	1.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.16	2.0	
75-34-3	1,1-Dichloroethane		0.14	1.0	
107-06-2	1,2-Dichloroethane		0.30	1.0	
75-35-4	1,1-Dichloroethylene		0.14	1.0	
156-59-2	cis-1,2-Dichloroethylene		0.14	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.17	1.0	
78-87-5	1,2-Dichloropropane		0.19	1.0	
10061-01-5	cis-1,3-Dichloropropene		0.16	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.14	0.50	
123-91-1	1,4-Dioxane		18	50	

1 - FORM I

ANALYSIS DATA SHEET

95

MW-28R

Laboratory:	Pace New England	Work Order:	23G3932	
Client:	NYDEC_AECOM - Buffalo, NY	Project:	C.A.E. Electronics_CAT B - CO 147580	
Matrix:	Ground Water	Laboratory ID:	23G3932-05	File ID: C22V21442.D
Sampled:	07/27/23 11:40	Prepared:	08/01/23 07:14	Analyzed: 08/03/23 03:14
Solids:		Preparation:	SW-846 5030B	Dilution: 1
Initial/Final:	5 mL / 5 mL			
Batch:	B347625	Sequence:	S091452	Calibration: 2200537
				Instrument: GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
100-41-4	Ethylbenzene		0.22	1.0	
591-78-6	2-Hexanone (MBK)		1.2	10	
98-82-8	Isopropylbenzene (Cumene)		0.15	1.0	
79-20-9	Methyl Acetate		0.61	1.0	V-05
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.17	1.0	
108-87-2	Methyl Cyclohexane		0.16	1.0	
75-09-2	Methylene Chloride		0.18	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.3	10	
100-42-5	Styrene		0.15	1.0	
79-34-5	1,1,2,2-Tetrachloroethane		0.14	0.50	
127-18-4	Tetrachloroethylene		0.17	1.0	
108-88-3	Toluene		0.22	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.34	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.30	1.0	
71-55-6	1,1,1-Trichloroethane		0.15	1.0	
79-00-5	1,1,2-Trichloroethane		0.19	1.0	
79-01-6	Trichloroethylene	0.51	0.17	1.0	J
75-69-4	Trichlorofluoromethane (Freon 11)		0.15	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)		0.21	1.0	
75-01-4	Vinyl Chloride		0.24	2.0	
1330-20-7	Xylenes (total)		1.0	1.0	

Data Path : C:\msdchem\1\data\C080223\
 Data File : C22V21442.D
 Acq On : 3 Aug 2023 3:14 am
 Operator :
 Sample : 23G3932-05
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Inst : GCMSVOA3

Quant Time: Aug 03 07:51:34 2023
 Quant Method : C:\msdchem\1\methods\C080822.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Fri Apr 21 09:50:20 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	4.294	168	167980	30.00	UG/L	0.00
48) 1,4-DIFLUOROBENZENE - ...	5.011	114	249332	30.00	UG/L	0.00
70) CHLOROBENZENE-D5 ISTD	7.841	82	123674	30.00	UG/L	0.00
89) 1,4-DICHLOROBENZENE-D4...	10.139	152	109281	30.00	UG/L	# 0.00
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.568	65	76392	24.23	UG/L	0.00
Spiked Amount 25.000	Range	70 - 130	Recovery	=	96.92%	
49) TOLUENE SS	6.444	98	248664	25.18	UG/L	0.00
Spiked Amount 25.000	Range	70 - 130	Recovery	=	100.72%	
71) 4-BROMOFLUOROBENZENE SS	8.999	95	79264	21.62	UG/L	0.00
Spiked Amount 25.000	Range	70 - 130	Recovery	=	86.48%	
Target Compounds						
51) TRICHLOROETHENE	5.256	95	1174	0.51	UG/L	Qvalue 92

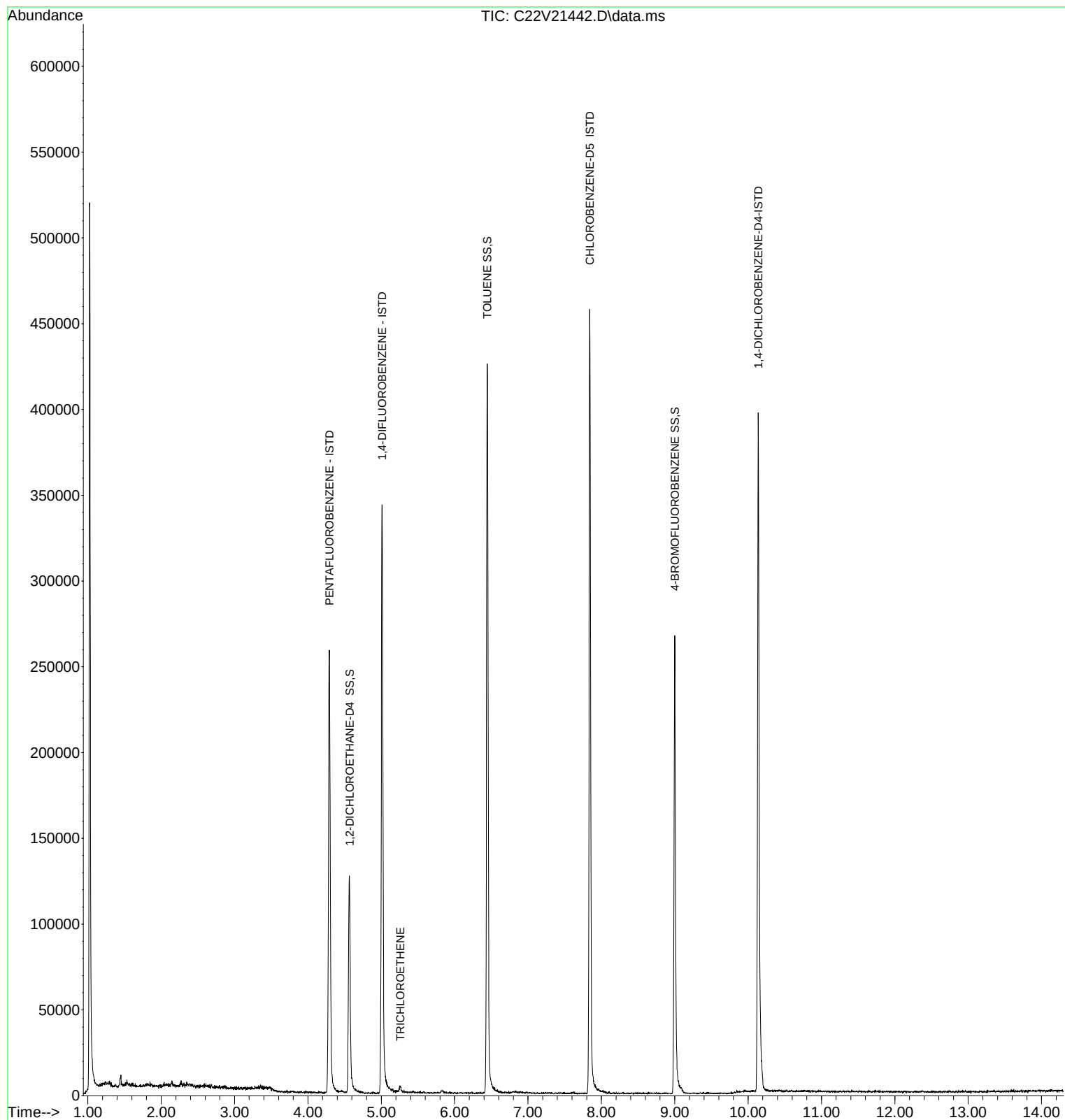
(#) = qualifier out of range (m) = manual integration (+) = signals summed

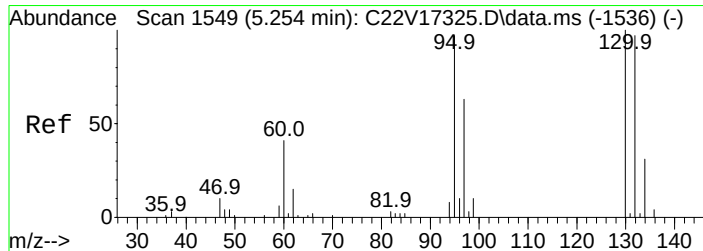
Data Path : C:\msdchem\1\data\C080223\
Data File : C22V21442.D
Acq On : 3 Aug 2023 3:14 am
Operator :
Sample : 23G3932-05
Misc :
ALS Vial : 42 Sample Multiplier: 1

Inst : GCMSV0A3

97

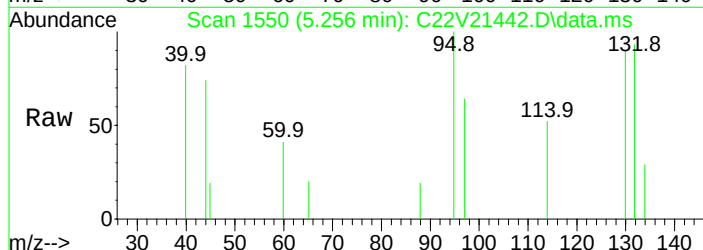
Quant Time: Aug 03 07:51:34 2023
Quant Method : C:\msdchem\1\methods\C080822.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Fri Apr 21 09:50:20 2023
Response via : Initial Calibration



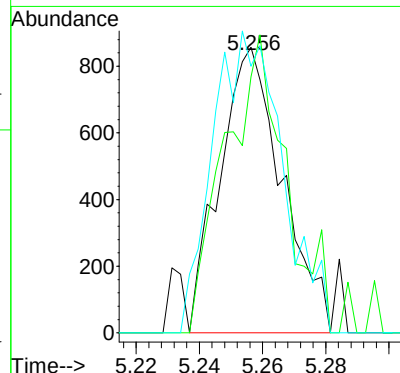
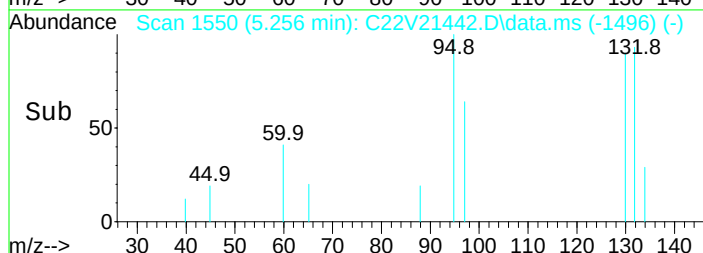


#51
 TRICHLOROETHENE
 Concen: 0.51 UG/L
 RT: 5.256 min Scan# 1550
 Delta R.T. 0.000 min
 Lab File: C22V21442.D
 Acq: 3 Aug 2023 3:14 am

98



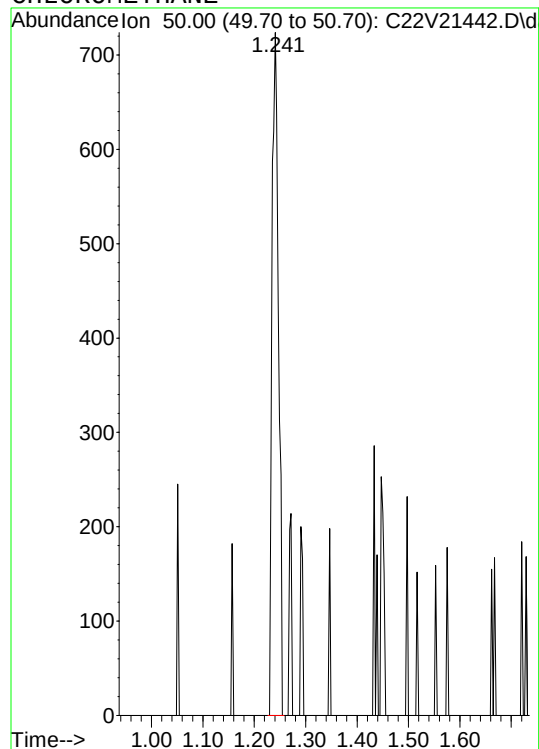
Tgt Ion:	95	Resp:	1174
Ion Ratio	Lower	Upper	
95	100		
130	101.5	85.7	128.5
132	117.9	84.7	127.1



Data Path : C:\msdchem\1\data\C080223\
Data File : C22V21442.D
Acq On : 3 Aug 2023 3:14 am
Operator :
Sample : 23G3932-05
Misc :

Quant Time : Thu Aug 03 07:51:34 2023
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Fri Apr 21 09:50:20 2023

Original Integration
CHLOROMETHANE



Original Int. Results

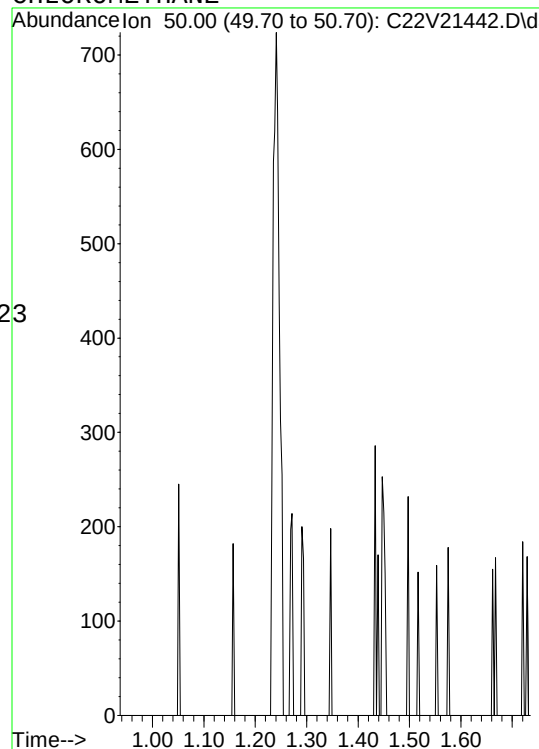
RT : 1.24
Area : 638
Amount: 0.160586

Manual Int. Results

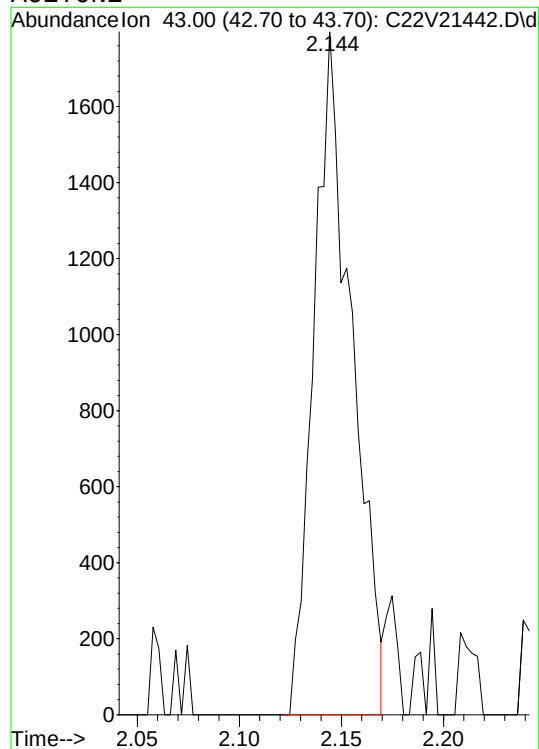
Thu Aug 03 07:51:34 2023

MIuser: MFF
Reason: Split Peak
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CHLOROMETHANE



Original Integration
ACETONE



Original Int. Results

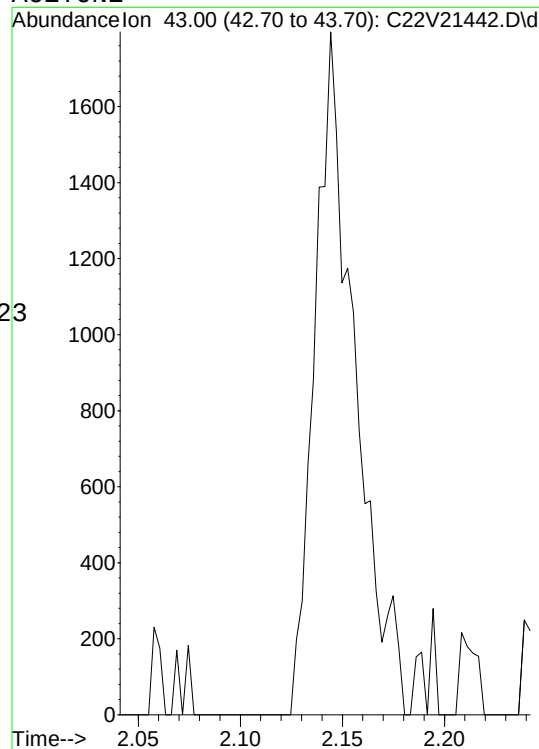
RT : 2.14
Area : 2325
Amount: 2.28032

Manual Int. Results

Thu Aug 03 07:51:34 2023

MIuser: MFF
Reason: Split Peak
RT : 0.00
Area : 0
Amount: 0

Manual Integration
ACETONE

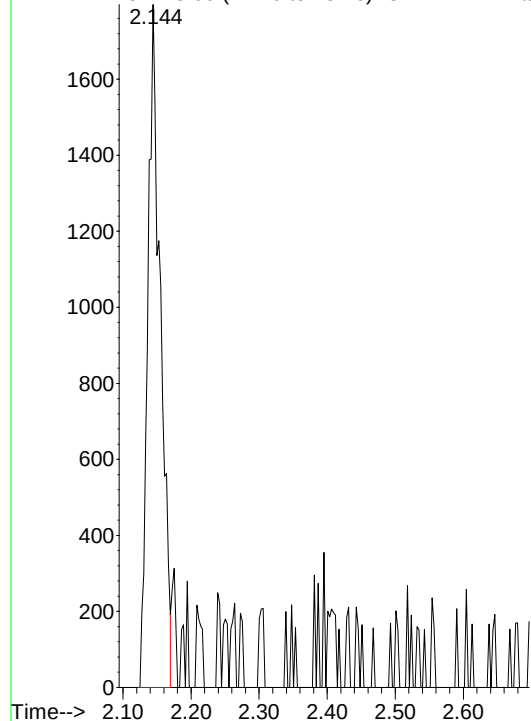


Data Path : C:\msdchem\1\data\C080223\
Data File : C22V21442.D
Acq On : 3 Aug 2023 3:14 am
Operator :
Sample : 23G3932-05
Misc :

Quant Time : Thu Aug 03 07:51:34 2023
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Fri Apr 21 09:50:20 2023

Original Integration
METHYL ACETATE

Abundance Ion 43.00 (42.70 to 43.70): C22V21442.D



Original Int. Results

RT : 2.14
Area : 2325
Amount: 0.585767

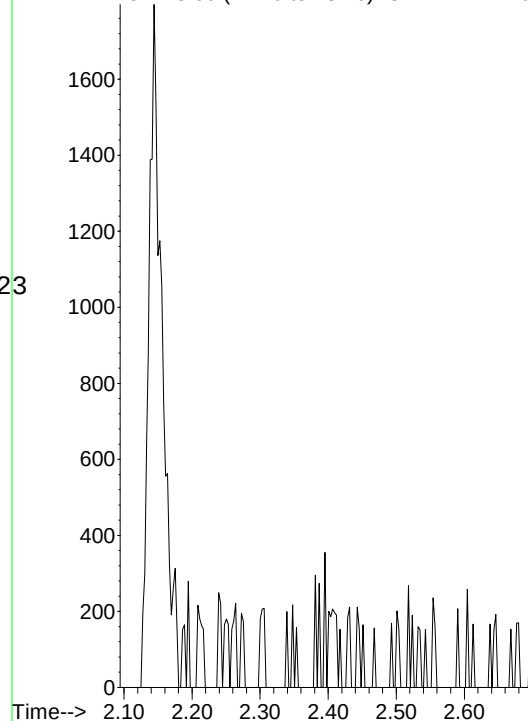
Manual Int. Results

Thu Aug 03 07:51:34 2023

MIuser: MFF
Reason: Split Peak
RT : 0.00
Area : 0
Amount: 0

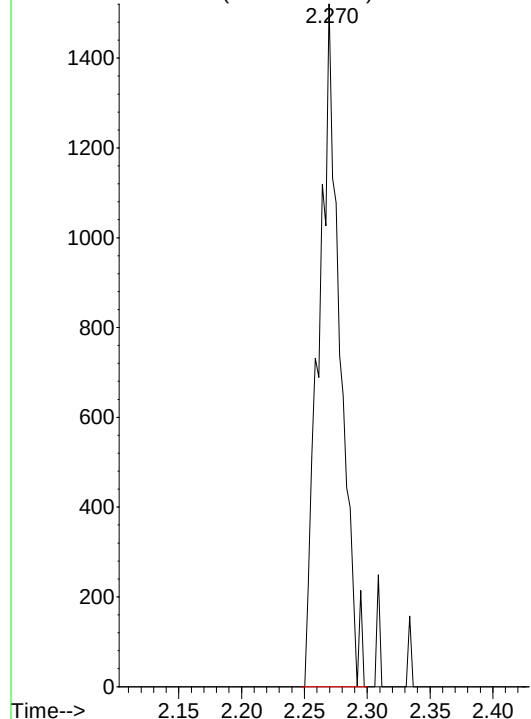
Manual Integration
METHYL ACETATE

Abundance Ion 43.00 (42.70 to 43.70): C22V21442.D



Original Integration
CARBON DISULFIDE

Abundance Ion 76.00 (75.70 to 76.70): C22V21442.D



Original Int. Results

RT : 2.27
Area : 1786
Amount: 0.255075

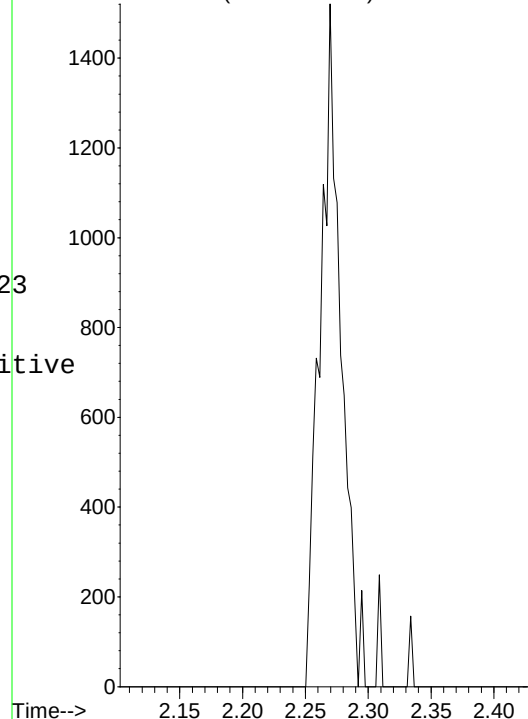
Manual Int. Results

Thu Aug 03 07:51:33 2023

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CARBON DISULFIDE

Abundance Ion 76.00 (75.70 to 76.70): C22V21442.D

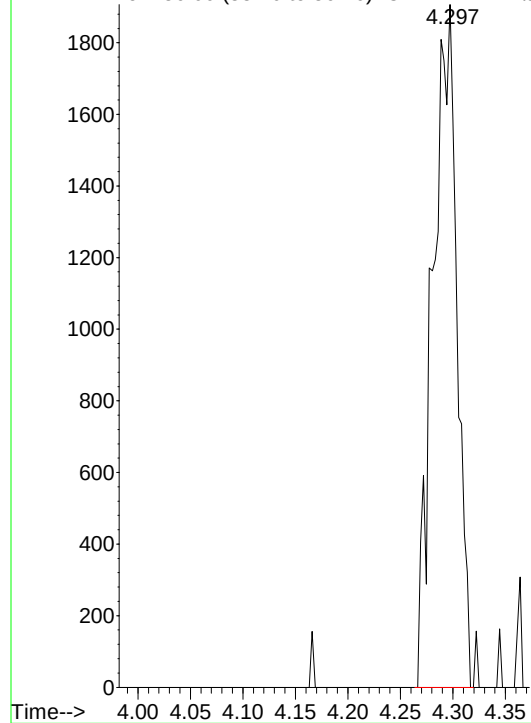


Data Path : C:\msdchem\1\data\C080223\
Data File : C22V21442.D
Acq On : 3 Aug 2023 3:14 am
Operator :
Sample : 23G3932-05
Misc :

Quant Time : Thu Aug 03 07:51:34 2023
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Fri Apr 21 09:50:20 2023

Original Integration
CYCLOHEXANE

Abundance Ion 56.00 (55.70 to 56.70): C22V21442.D



Original Int. Results

RT : 4.30
Area : 3048
Amount: 0.768844

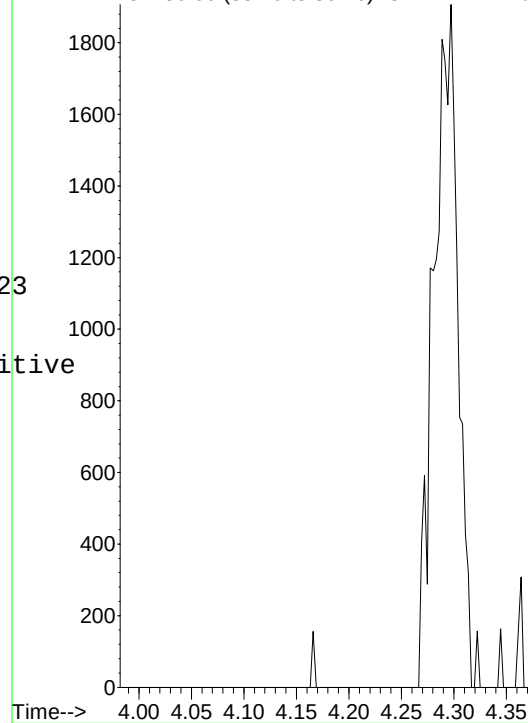
Manual Int. Results

Thu Aug 03 07:51:32 2023

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CYCLOHEXANE

Abundance Ion 56.00 (55.70 to 56.70): C22V21442.D



1 - FORM I

ANALYSIS DATA SHEET

102

MW-26

Laboratory:	Pace New England	Work Order:	23G3932
Client:	NYDEC_AECOM - Buffalo, NY	Project:	C.A.E. Electronics_CAT B - CO 147580
Matrix:	Ground Water	Laboratory ID:	23G3932-06
		File ID:	C22V21443.D
Sampled:	07/27/23 11:55	Prepared:	08/01/23 07:14
		Analyzed:	08/03/23 03:41
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B347625	Sequence:	S091452
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone		2.0	50	
71-43-2	Benzene		0.18	1.0	
74-97-5	Bromochloromethane		0.28	1.0	
75-27-4	Bromodichloromethane		0.16	0.50	
75-25-2	Bromoform		0.41	1.0	
74-83-9	Bromomethane		1.3	2.0	
78-93-3	2-Butanone (MEK)		1.7	20	
75-15-0	Carbon Disulfide		1.6	5.0	
56-23-5	Carbon Tetrachloride		0.16	5.0	V-05
108-90-7	Chlorobenzene		0.12	1.0	
124-48-1	Chlorodibromomethane		0.20	0.50	
75-00-3	Chloroethane		0.34	2.0	
67-66-3	Chloroform		0.14	2.0	
74-87-3	Chloromethane		0.50	2.0	
110-82-7	Cyclohexane		1.8	5.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.85	5.0	V-05
106-93-4	1,2-Dibromoethane (EDB)		0.16	0.50	
95-50-1	1,2-Dichlorobenzene		0.13	1.0	
541-73-1	1,3-Dichlorobenzene		0.14	1.0	
106-46-7	1,4-Dichlorobenzene		0.13	1.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.16	2.0	
75-34-3	1,1-Dichloroethane		0.14	1.0	
107-06-2	1,2-Dichloroethane		0.30	1.0	
75-35-4	1,1-Dichloroethylene		0.14	1.0	
156-59-2	cis-1,2-Dichloroethylene		0.14	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.17	1.0	
78-87-5	1,2-Dichloropropane		0.19	1.0	
10061-01-5	cis-1,3-Dichloropropene		0.16	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.14	0.50	
123-91-1	1,4-Dioxane		18	50	

1 - FORM I

ANALYSIS DATA SHEET

103

MW-26

Laboratory:	Pace New England	Work Order:	23G3932
Client:	NYDEC_AECOM - Buffalo, NY	Project:	C.A.E. Electronics_CAT B - CO 147580
Matrix:	Ground Water	Laboratory ID:	23G3932-06
		File ID:	C22V21443.D
Sampled:	07/27/23 11:55	Prepared:	08/01/23 07:14
		Analyzed:	08/03/23 03:41
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B347625	Sequence:	S091452
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
100-41-4	Ethylbenzene		0.22	1.0	
591-78-6	2-Hexanone (MBK)		1.2	10	
98-82-8	Isopropylbenzene (Cumene)		0.15	1.0	
79-20-9	Methyl Acetate		0.61	1.0	V-05
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.17	1.0	
108-87-2	Methyl Cyclohexane		0.16	1.0	
75-09-2	Methylene Chloride		0.18	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.3	10	
100-42-5	Styrene		0.15	1.0	
79-34-5	1,1,2,2-Tetrachloroethane		0.14	0.50	
127-18-4	Tetrachloroethylene		0.17	1.0	
108-88-3	Toluene		0.22	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.34	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.30	1.0	
71-55-6	1,1,1-Trichloroethane		0.15	1.0	
79-00-5	1,1,2-Trichloroethane		0.19	1.0	
79-01-6	Trichloroethylene		0.17	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.15	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 12)		0.21	1.0	
75-01-4	Vinyl Chloride		0.24	2.0	
1330-20-7	Xylenes (total)		1.0	1.0	

Data Path : C:\msdchem\1\data\C080223\
 Data File : C22V21443.D
 Acq On : 3 Aug 2023 3:41 am
 Operator :
 Sample : 23G3932-06
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Inst : GCMSVOA3

Quant Time: Aug 03 07:52:08 2023
 Quant Method : C:\msdchem\1\methods\C080822.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Fri Apr 21 09:50:20 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	4.291	168	164734	30.00	UG/L	0.00
48) 1,4-DIFLUOROBENZENE - ...	5.011	114	248369	30.00	UG/L	0.00
70) CHLOROBENZENE-D5 ISTD	7.841	82	122980	30.00	UG/L	0.00
89) 1,4-DICHLOROBENZENE-D4...	10.136	152	110256	30.00	UG/L	# 0.00

System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4	SS	4.565	65	80259	25.96	UG/L 0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	103.84%
49) TOLUENE	SS	6.444	98	249058	25.32	UG/L 0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	101.28%
71) 4-BROMOFLUOROBENZENE	SS	8.999	95	77670	21.30	UG/L 0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	85.20%

Target Compounds	Qvalue

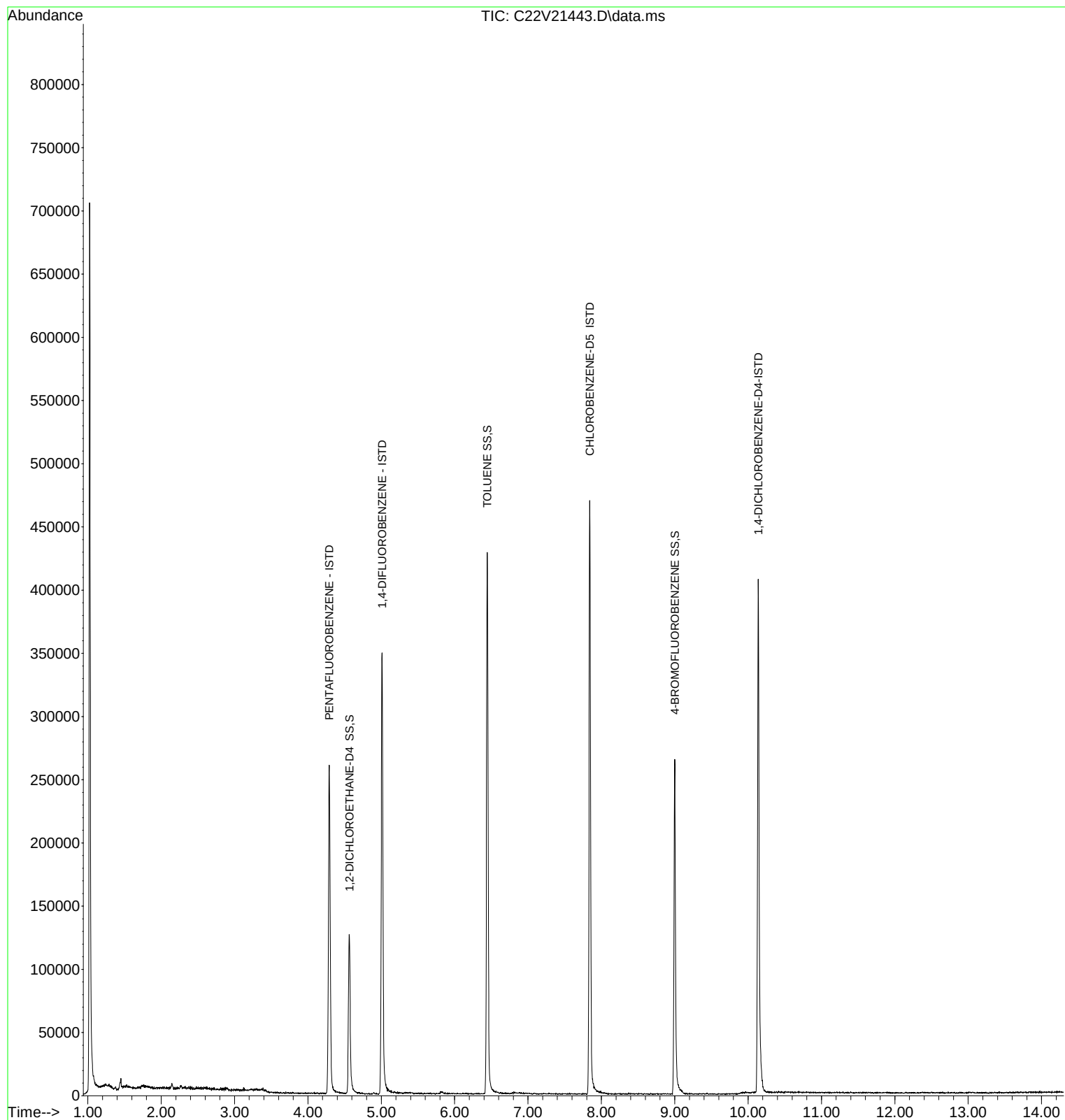
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\data\C080223\
Data File : C22V21443.D
Acq On : 3 Aug 2023 3:41 am
Operator :
Sample : 23G3932-06
Misc :
ALS Vial : 43 Sample Multiplier: 1

105

Inst : GCMSV0A3

Quant Time: Aug 03 07:52:08 2023
Quant Method : C:\msdchem\1\methods\C080822.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Fri Apr 21 09:50:20 2023
Response via : Initial Calibration

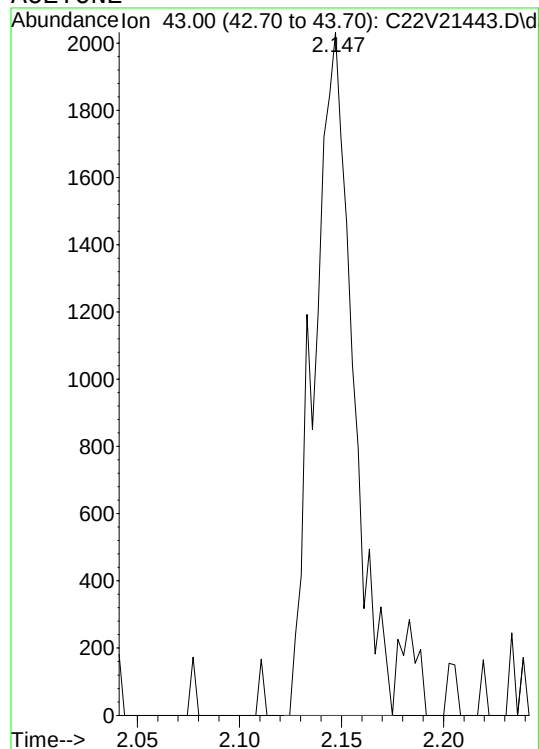


Data Path : C:\msdchem\1\data\C080223\
Data File : C22V21443.D
Acq On : 3 Aug 2023 3:41 am
Operator :
Sample : 23G3932-06
Misc :

Quant Time : Thu Aug 03 07:52:08 2023
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Fri Apr 21 09:50:20 2023

Original Integration

ACETONE



Original Int. Results

RT : 2.15
Area : 2677
Amount: 2.67729

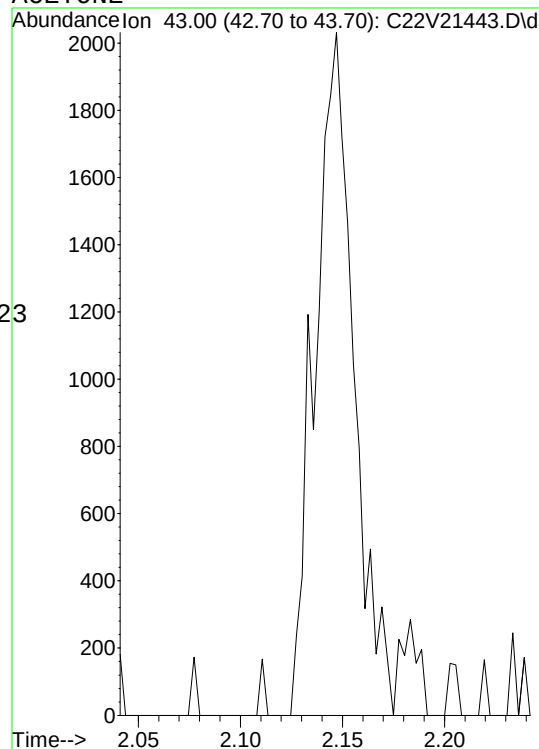
Manual Int. Results

Thu Aug 03 07:52:08 2023

MIuser: MFF
Reason: Split Peak
RT : 0.00
Area : 0
Amount: 0

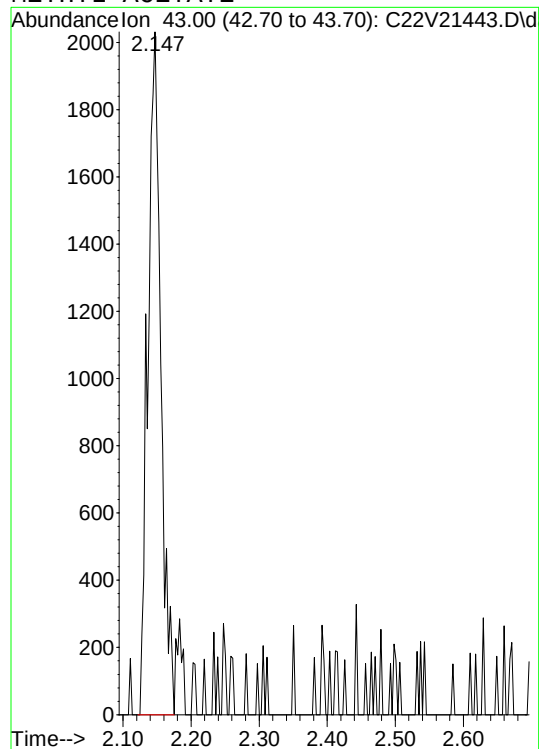
Manual Integration

ACETONE



Original Integration

METHYL ACETATE



Original Int. Results

RT : 2.15
Area : 2677
Amount: 0.68774

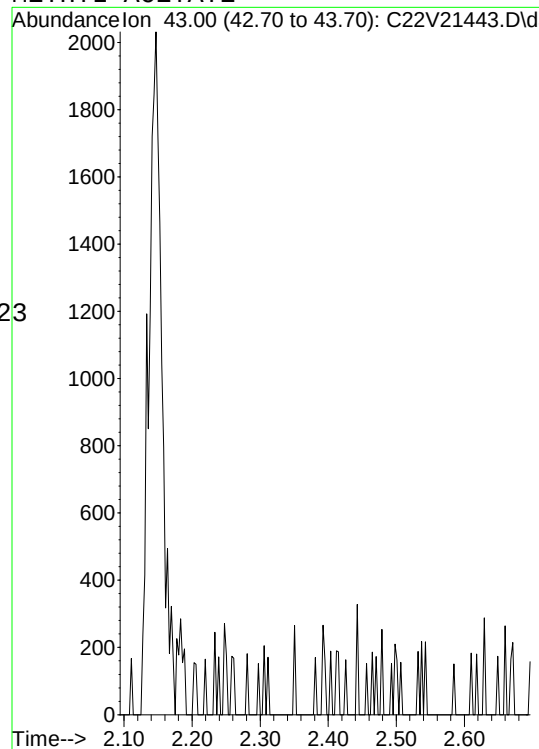
Manual Int. Results

Thu Aug 03 07:52:07 2023

MIuser: MFF
Reason: Split Peak
RT : 0.00
Area : 0
Amount: 0

Manual Integration

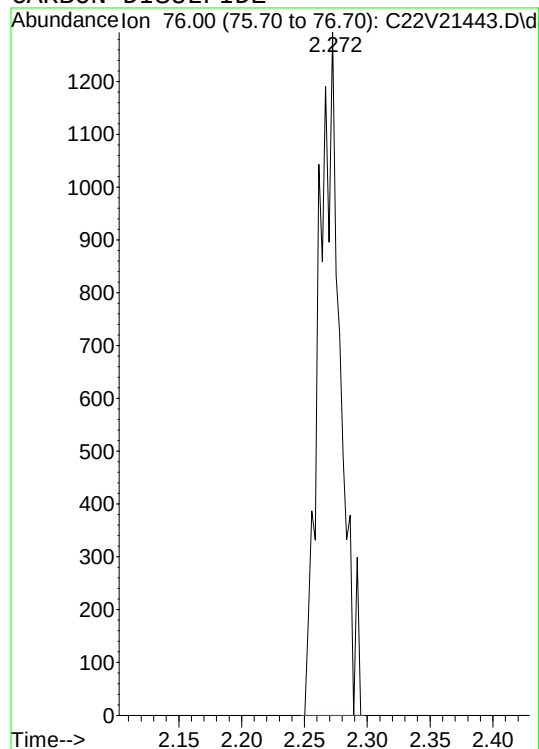
METHYL ACETATE



Data Path : C:\msdchem\1\data\C080223\
Data File : C22V21443.D
Acq On : 3 Aug 2023 3:41 am
Operator :
Sample : 23G3932-06
Misc :

Quant Time : Thu Aug 03 07:52:08 2023
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Fri Apr 21 09:50:20 2023

Original Integration
CARBON DISULFIDE



Original Int. Results

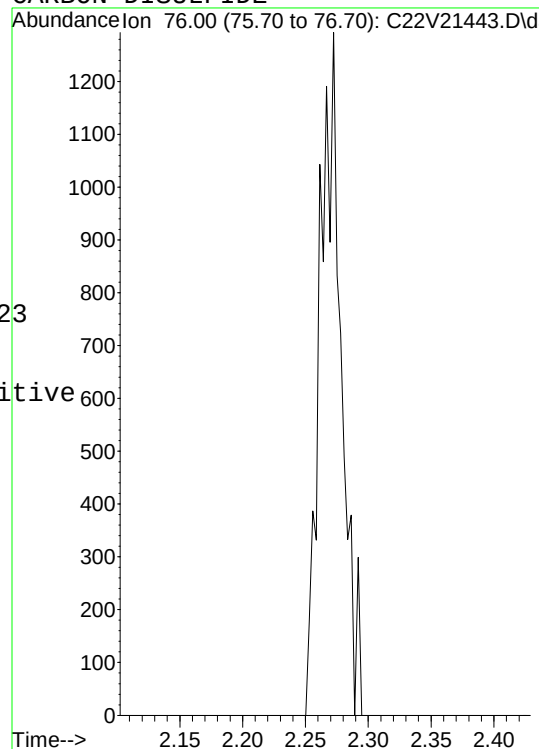
RT : 2.27
Area : 1545
Amount: 0.225003

Manual Int. Results

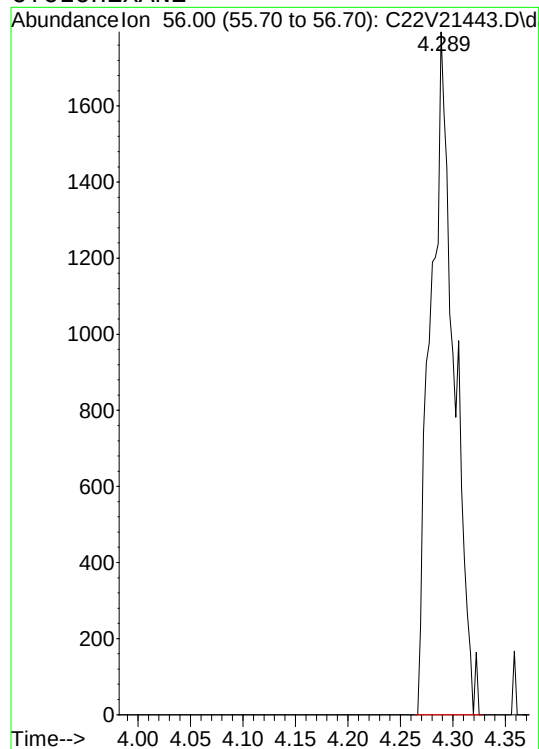
Thu Aug 03 07:52:07 2023

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CARBON DISULFIDE



Original Integration
CYCLOHEXANE



Original Int. Results

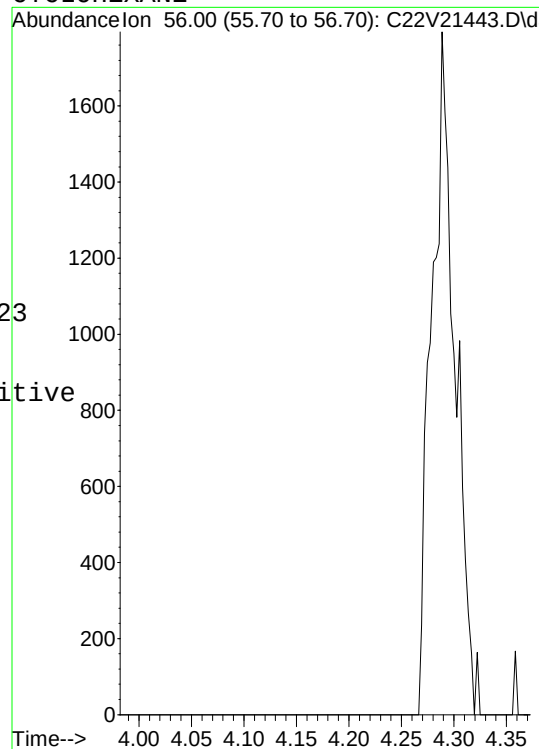
RT : 4.29
Area : 2792
Amount: 0.718146

Manual Int. Results

Thu Aug 03 07:52:06 2023

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CYCLOHEXANE



1 - FORM I

ANALYSIS DATA SHEET

108

MW-15

Laboratory:	Pace New England	Work Order:	23G3932
Client:	NYDEC_AECOM - Buffalo, NY	Project:	C.A.E. Electronics_CAT B - CO 147580
Matrix:	Ground Water	Laboratory ID:	23G3932-07
		File ID:	C22V21444.D
Sampled:	07/27/23 12:10	Prepared:	08/01/23 07:14
		Analyzed:	08/03/23 04:07
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B347625	Sequence:	S091452
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone		2.0	50	
71-43-2	Benzene		0.18	1.0	
74-97-5	Bromochloromethane		0.28	1.0	
75-27-4	Bromodichloromethane		0.16	0.50	
75-25-2	Bromoform		0.41	1.0	
74-83-9	Bromomethane		1.3	2.0	
78-93-3	2-Butanone (MEK)		1.7	20	
75-15-0	Carbon Disulfide		1.6	5.0	
56-23-5	Carbon Tetrachloride		0.16	5.0	V-05
108-90-7	Chlorobenzene		0.12	1.0	
124-48-1	Chlorodibromomethane		0.20	0.50	
75-00-3	Chloroethane		0.34	2.0	
67-66-3	Chloroform		0.14	2.0	
74-87-3	Chloromethane		0.50	2.0	
110-82-7	Cyclohexane		1.8	5.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.85	5.0	V-05
106-93-4	1,2-Dibromoethane (EDB)		0.16	0.50	
95-50-1	1,2-Dichlorobenzene		0.13	1.0	
541-73-1	1,3-Dichlorobenzene		0.14	1.0	
106-46-7	1,4-Dichlorobenzene		0.13	1.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.16	2.0	
75-34-3	1,1-Dichloroethane		0.14	1.0	
107-06-2	1,2-Dichloroethane		0.30	1.0	
75-35-4	1,1-Dichloroethylene		0.14	1.0	
156-59-2	cis-1,2-Dichloroethylene		0.14	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.17	1.0	
78-87-5	1,2-Dichloropropane		0.19	1.0	
10061-01-5	cis-1,3-Dichloropropene		0.16	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.14	0.50	
123-91-1	1,4-Dioxane		18	50	

1 - FORM I

ANALYSIS DATA SHEET

109

MW-15

Laboratory:	Pace New England	Work Order:	23G3932
Client:	NYDEC_AECOM - Buffalo, NY	Project:	C.A.E. Electronics_CAT B - CO 147580
Matrix:	Ground Water	Laboratory ID:	23G3932-07
		File ID:	C22V21444.D
Sampled:	07/27/23 12:10	Prepared:	08/01/23 07:14
		Analyzed:	08/03/23 04:07
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B347625	Sequence:	S091452
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
100-41-4	Ethylbenzene		0.22	1.0	
591-78-6	2-Hexanone (MBK)		1.2	10	
98-82-8	Isopropylbenzene (Cumene)		0.15	1.0	
79-20-9	Methyl Acetate		0.61	1.0	V-05
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.17	1.0	
108-87-2	Methyl Cyclohexane		0.16	1.0	
75-09-2	Methylene Chloride		0.18	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.3	10	
100-42-5	Styrene		0.15	1.0	
79-34-5	1,1,2,2-Tetrachloroethane		0.14	0.50	
127-18-4	Tetrachloroethylene		0.17	1.0	
108-88-3	Toluene		0.22	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.34	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.30	1.0	
71-55-6	1,1,1-Trichloroethane	0.20	0.15	1.0	J
79-00-5	1,1,2-Trichloroethane		0.19	1.0	
79-01-6	Trichloroethylene	0.41	0.17	1.0	J
75-69-4	Trichlorofluoromethane (Freon 11)		0.15	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)		0.21	1.0	
75-01-4	Vinyl Chloride		0.24	2.0	
1330-20-7	Xylenes (total)		1.0	1.0	

Data Path : C:\msdchem\1\data\C080223\
 Data File : C22V21444.D
 Acq On : 3 Aug 2023 4:07 am
 Operator :
 Sample : 23G3932-07
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Inst : GCMSVOA3

Quant Time: Aug 03 07:52:37 2023
 Quant Method : C:\msdchem\1\methods\C080822.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Fri Apr 21 09:50:20 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	4.291	168	164934	30.00	UG/L	0.00
48) 1,4-DIFLUOROBENZENE - ...	5.011	114	253032	30.00	UG/L	0.00
70) CHLOROBENZENE-D5 ISTD	7.841	82	122324	30.00	UG/L	0.00
89) 1,4-DICHLOROBENZENE-D4...	10.139	152	108891	30.00	UG/L	# 0.00
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.562	65	79320	25.63	UG/L	0.00
Spiked Amount 25.000	Range	70 - 130	Recovery	=	102.52%	
49) TOLUENE SS	6.444	98	247426	24.69	UG/L	0.00
Spiked Amount 25.000	Range	70 - 130	Recovery	=	98.76%	
71) 4-BROMOFLUOROBENZENE SS	8.999	95	77759	21.44	UG/L	0.00
Spiked Amount 25.000	Range	70 - 130	Recovery	=	85.76%	
Target Compounds						
41) 1,1,1-TRICHLOROETHANE	4.239	97	678	0.20	UG/L	# 1
51) TRICHLOROETHENE	5.251	95	947	0.41	UG/L	89

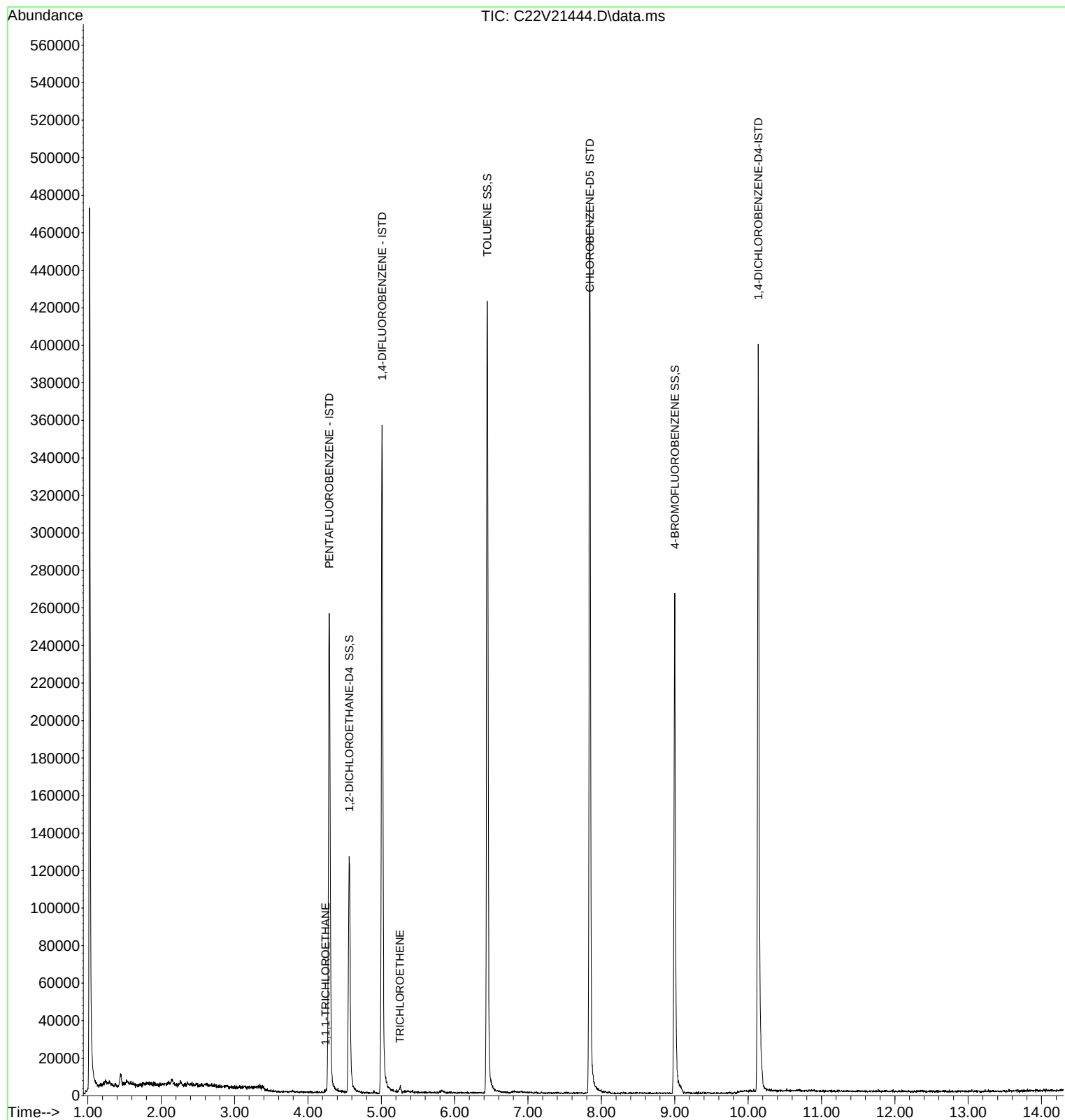
(#) = qualifier out of range (m) = manual integration (+) = signals summed

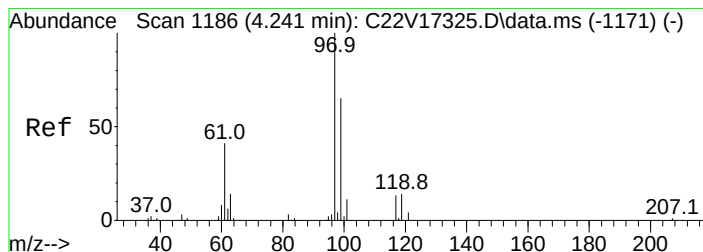
Data Path : C:\msdchem\1\data\C080223\
Data File : C22V21444.D
Acq On : 3 Aug 2023 4:07 am
Operator :
Sample : 23G3932-07
Misc :
ALS Vial : 44 Sample Multiplier: 1

111

Inst : GCMSVOA3

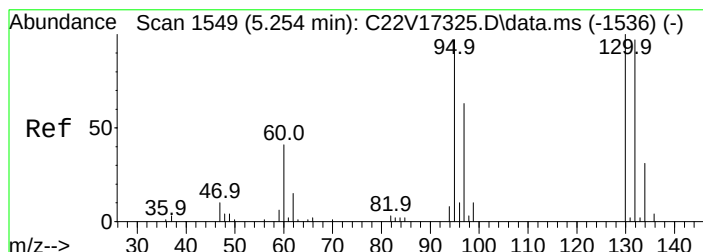
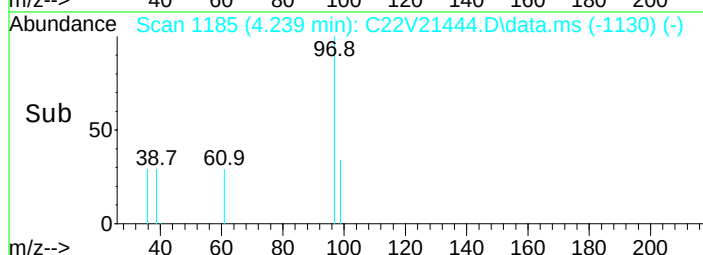
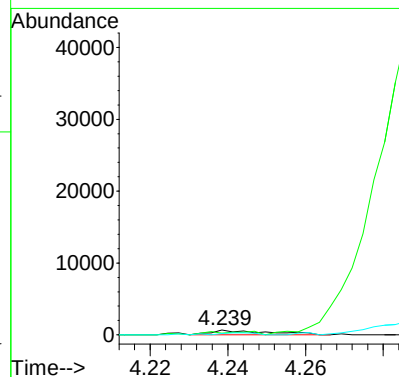
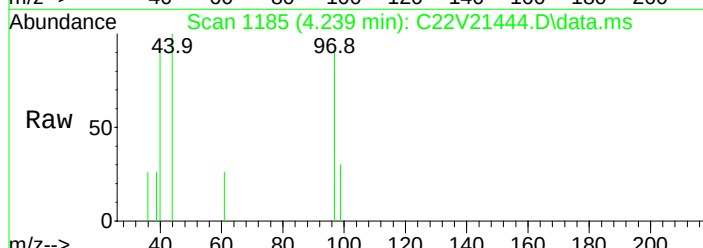
Quant Time: Aug 03 07:52:37 2023
Quant Method : C:\msdchem\1\methods\C080822.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Fri Apr 21 09:50:20 2023
Response via : Initial Calibration





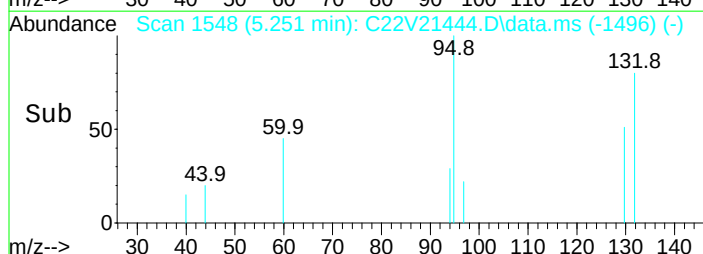
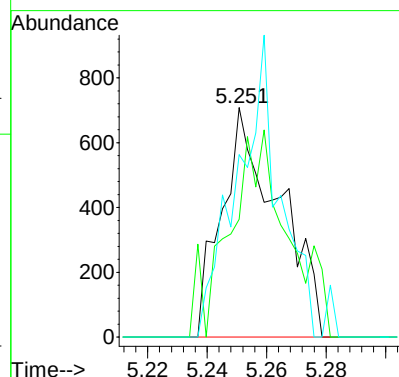
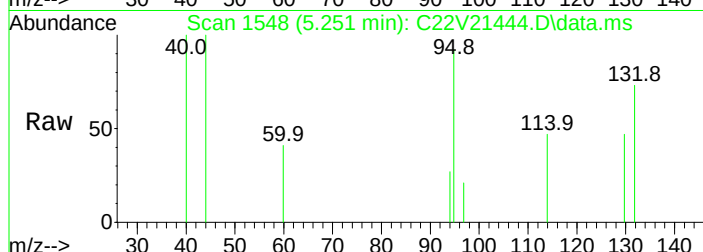
#41
 1,1,1-TRICHLOROETHANE
 Concen: 0.20 UG/L
 RT: 4.239 min Scan# 1185
 Delta R.T. -0.008 min
 Lab File: C22V21444.D
 Acq: 3 Aug 2023 4:07 am

Tgt Ion: 97 Resp: 678
 Ion Ratio Lower Upper
 97 100
 99 12056.3 52.7 79.1#
 61 551.3 33.4 50.2#



#51
 TRICHLOROETHENE
 Concen: 0.41 UG/L
 RT: 5.251 min Scan# 1548
 Delta R.T. -0.006 min
 Lab File: C22V21444.D
 Acq: 3 Aug 2023 4:07 am

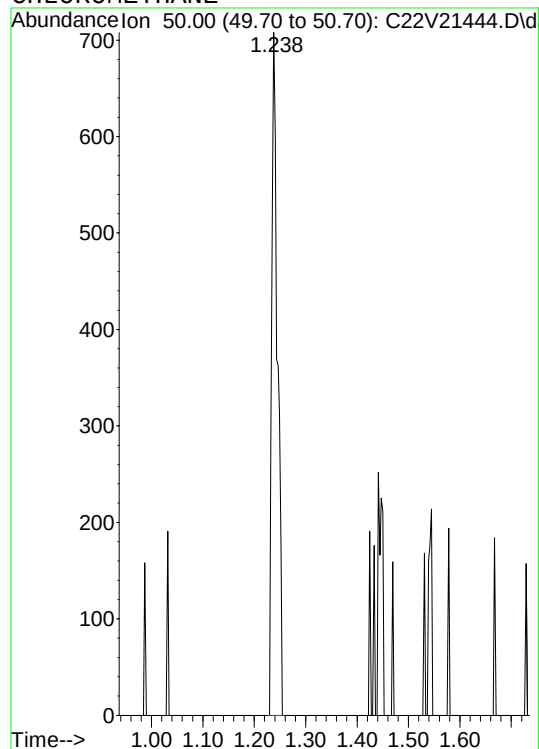
Tgt Ion: 95 Resp: 947
 Ion Ratio Lower Upper
 95 100
 130 92.8 85.7 128.5
 132 96.9 84.7 127.1



Data Path : C:\msdchem\1\data\C080223\
Data File : C22V21444.D
Acq On : 3 Aug 2023 4:07 am
Operator :
Sample : 23G3932-07
Misc :

Quant Time : Thu Aug 03 07:52:37 2023
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Fri Apr 21 09:50:20 2023

Original Integration
CHLOROMETHANE



Original Int. Results

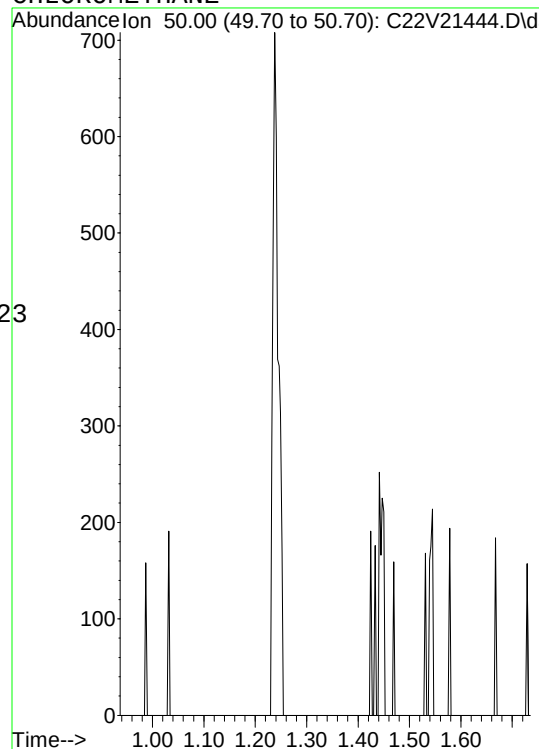
RT : 1.24
Area : 559
Amount: 0.1433

Manual Int. Results

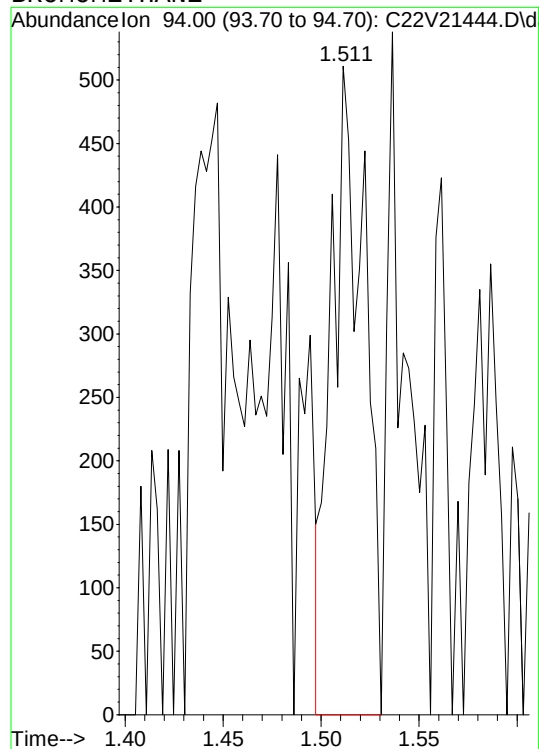
Thu Aug 03 07:52:37 2023

MIuser: MFF
Reason: Split Peak
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CHLOROMETHANE



Original Integration
BROMOMETHANE



Original Int. Results

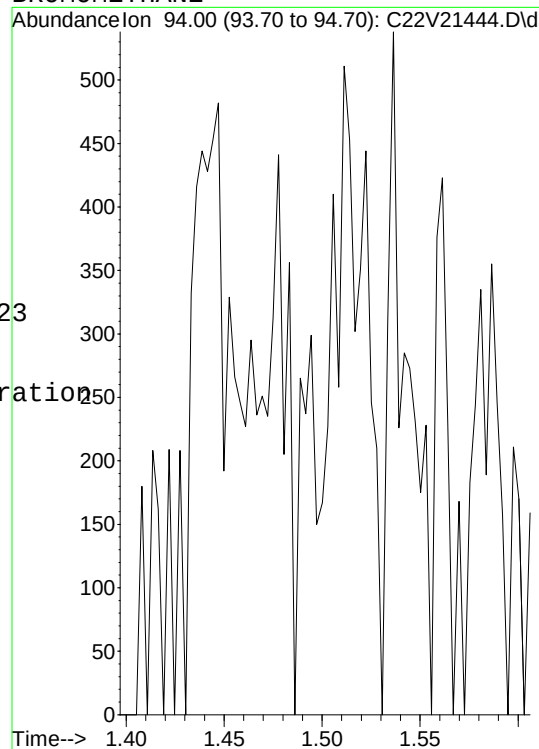
RT : 1.51
Area : 599
Amount: 0.353789

Manual Int. Results

Thu Aug 03 07:52:37 2023

MIuser: MFF
Reason: Incoret Integration
RT : 0.00
Area : 0
Amount: 0

Manual Integration
BROMOMETHANE

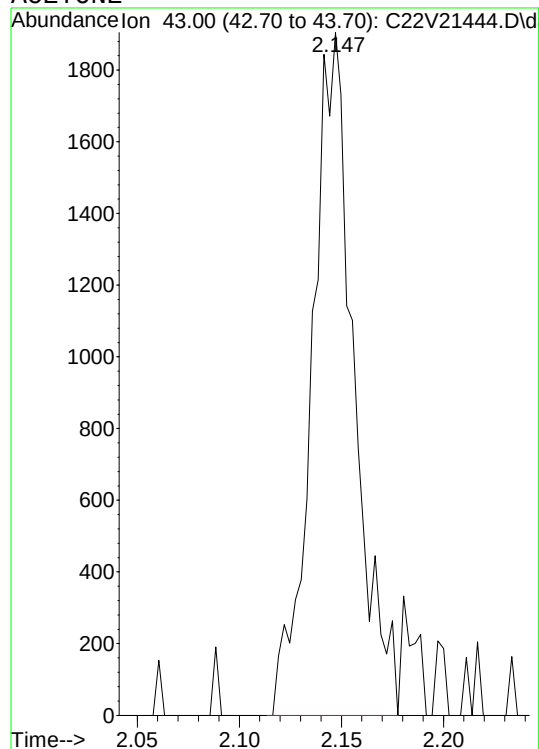


Data Path : C:\msdchem\1\data\C080223\
Data File : C22V21444.D
Acq On : 3 Aug 2023 4:07 am
Operator :
Sample : 23G3932-07
Misc :

Quant Time : Thu Aug 03 07:52:37 2023
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Fri Apr 21 09:50:20 2023

Original Integration

ACETONE



Original Int. Results

RT : 2.15
Area : 2724
Amount: 2.72099

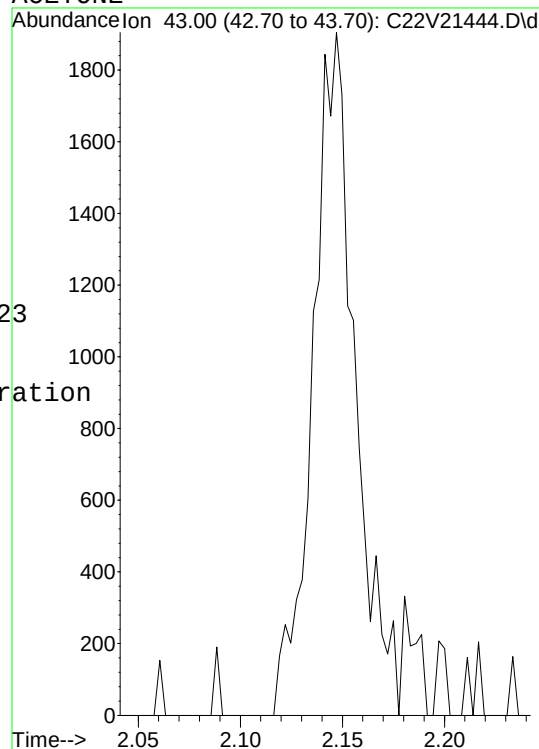
Manual Int. Results

Thu Aug 03 07:52:36 2023

MIuser: MFF
Reason: Incoret Integration
RT : 0.00
Area : 0
Amount: 0

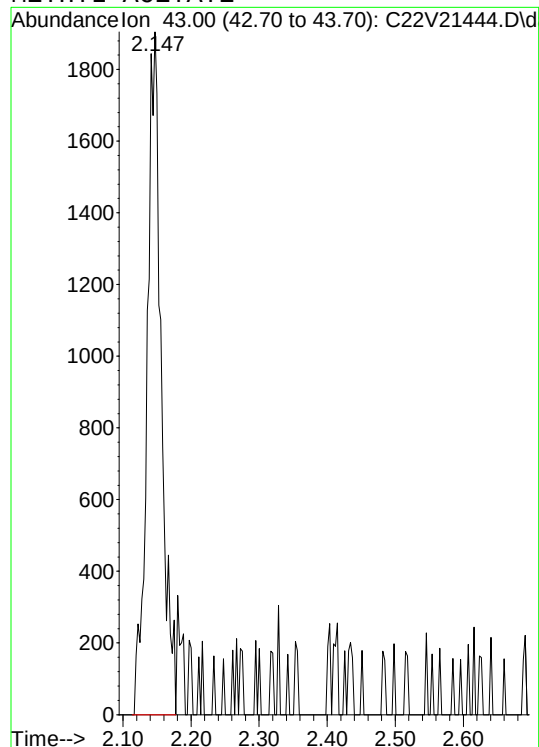
Manual Integration

ACETONE



Original Integration

METHYL ACETATE



Original Int. Results

RT : 2.15
Area : 2724
Amount: 0.698966

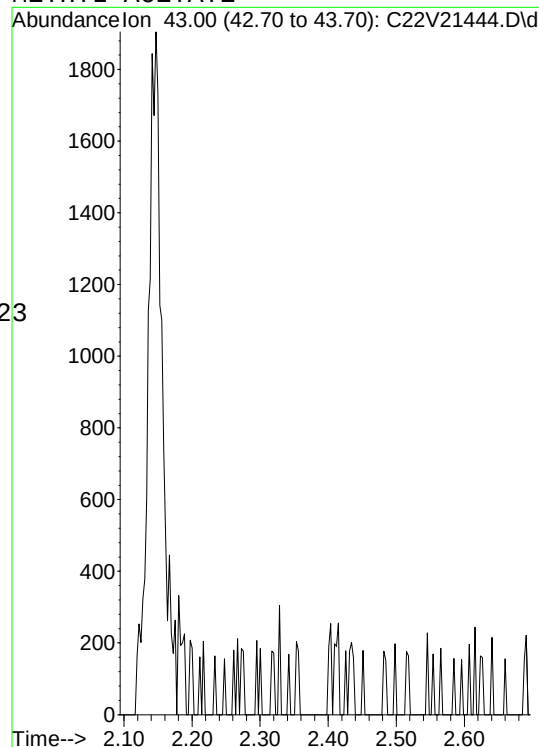
Manual Int. Results

Thu Aug 03 07:52:36 2023

MIuser: MFF
Reason: Split Peak
RT : 0.00
Area : 0
Amount: 0

Manual Integration

METHYL ACETATE

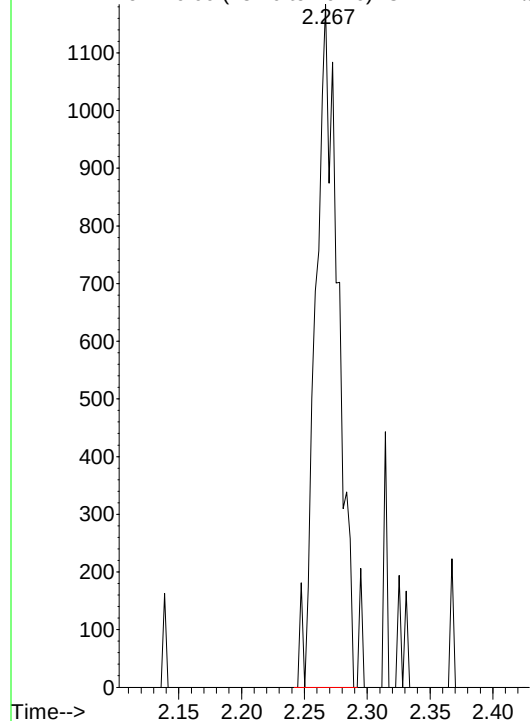


Data Path : C:\msdchem\1\data\C080223\
Data File : C22V21444.D
Acq On : 3 Aug 2023 4:07 am
Operator :
Sample : 23G3932-07
Misc :

Quant Time : Thu Aug 03 07:52:37 2023
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Fri Apr 21 09:50:20 2023

Original Integration
CARBON DISULFIDE

Abundance Ion 76.00 (75.70 to 76.70): C22V21444.Did



Original Int. Results

RT : 2.27
Area : 1469
Amount: 0.213676

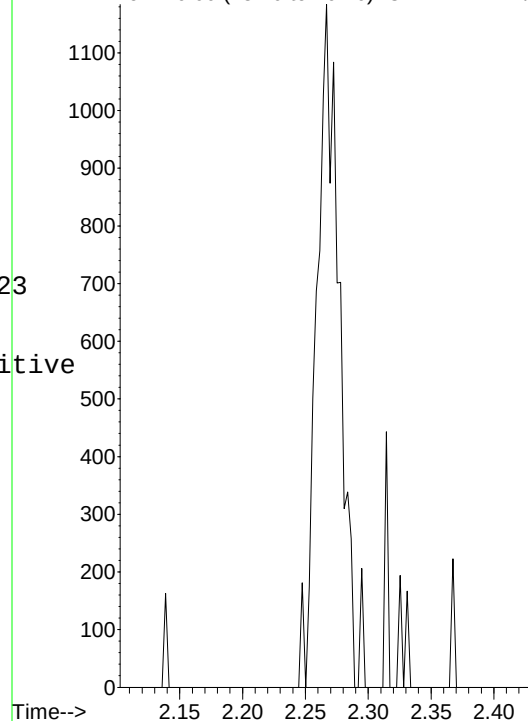
Manual Int. Results

Thu Aug 03 07:52:36 2023

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

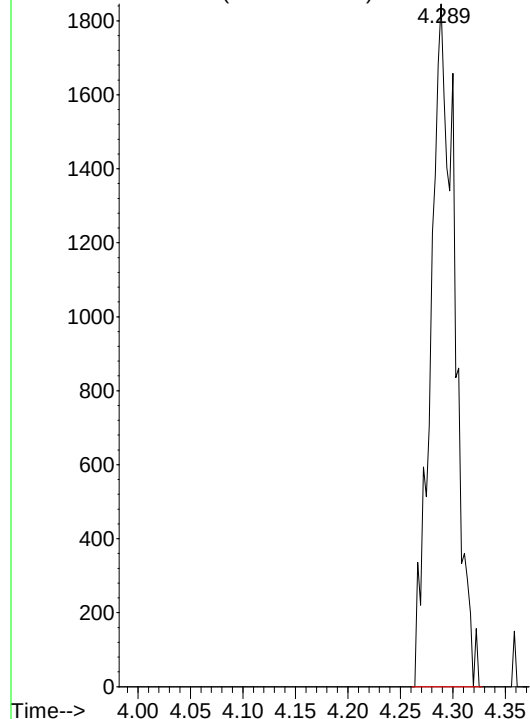
Manual Integration
CARBON DISULFIDE

Abundance Ion 76.00 (75.70 to 76.70): C22V21444.Did



Original Integration
CYCLOHEXANE

Abundance Ion 56.00 (55.70 to 56.70): C22V21444.Did



Original Int. Results

RT : 4.29
Area : 2936
Amount: 0.754269

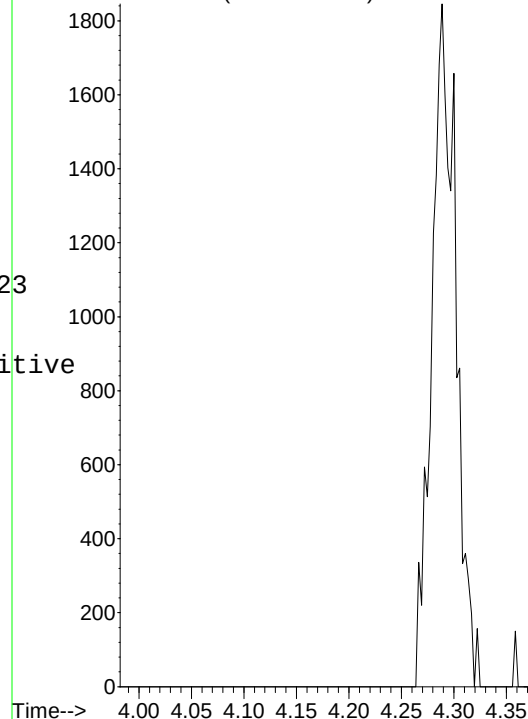
Manual Int. Results

Thu Aug 03 07:52:35 2023

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CYCLOHEXANE

Abundance Ion 56.00 (55.70 to 56.70): C22V21444.Did



1 - FORM I

ANALYSIS DATA SHEET

116

MW-07-06

Laboratory:	Pace New England	Work Order:	23G3932
Client:	NYDEC_AECOM - Buffalo, NY	Project:	C.A.E. Electronics_CAT B - CO 147580
Matrix:	Ground Water	Laboratory ID:	23G3932-08
		File ID:	C22V21445.D
Sampled:	07/27/23 12:20	Prepared:	08/01/23 07:14
		Analyzed:	08/03/23 04:34
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B347625	Sequence:	S091452
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone		2.0	50	
71-43-2	Benzene		0.18	1.0	
74-97-5	Bromochloromethane		0.28	1.0	
75-27-4	Bromodichloromethane		0.16	0.50	
75-25-2	Bromoform		0.41	1.0	
74-83-9	Bromomethane		1.3	2.0	
78-93-3	2-Butanone (MEK)		1.7	20	
75-15-0	Carbon Disulfide		1.6	5.0	
56-23-5	Carbon Tetrachloride		0.16	5.0	V-05
108-90-7	Chlorobenzene		0.12	1.0	
124-48-1	Chlorodibromomethane		0.20	0.50	
75-00-3	Chloroethane		0.34	2.0	
67-66-3	Chloroform		0.14	2.0	
74-87-3	Chloromethane		0.50	2.0	
110-82-7	Cyclohexane		1.8	5.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.85	5.0	V-05
106-93-4	1,2-Dibromoethane (EDB)		0.16	0.50	
95-50-1	1,2-Dichlorobenzene		0.13	1.0	
541-73-1	1,3-Dichlorobenzene		0.14	1.0	
106-46-7	1,4-Dichlorobenzene		0.13	1.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.16	2.0	
75-34-3	1,1-Dichloroethane		0.14	1.0	
107-06-2	1,2-Dichloroethane		0.30	1.0	
75-35-4	1,1-Dichloroethylene		0.14	1.0	
156-59-2	cis-1,2-Dichloroethylene		0.14	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.17	1.0	
78-87-5	1,2-Dichloropropane		0.19	1.0	
10061-01-5	cis-1,3-Dichloropropene		0.16	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.14	0.50	
123-91-1	1,4-Dioxane		18	50	

1 - FORM I

ANALYSIS DATA SHEET

117

MW-07-06

Laboratory:	Pace New England	Work Order:	23G3932
Client:	NYDEC_AECOM - Buffalo, NY	Project:	C.A.E. Electronics_CAT B - CO 147580
Matrix:	Ground Water	Laboratory ID:	23G3932-08
		File ID:	C22V21445.D
Sampled:	07/27/23 12:20	Prepared:	08/01/23 07:14
		Analyzed:	08/03/23 04:34
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B347625	Sequence:	S091452
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
100-41-4	Ethylbenzene		0.22	1.0	
591-78-6	2-Hexanone (MBK)		1.2	10	
98-82-8	Isopropylbenzene (Cumene)		0.15	1.0	
79-20-9	Methyl Acetate		0.61	1.0	V-05
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.17	1.0	
108-87-2	Methyl Cyclohexane		0.16	1.0	
75-09-2	Methylene Chloride		0.18	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.3	10	
100-42-5	Styrene		0.15	1.0	
79-34-5	1,1,2,2-Tetrachloroethane		0.14	0.50	
127-18-4	Tetrachloroethylene		0.17	1.0	
108-88-3	Toluene		0.22	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.34	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.30	1.0	
71-55-6	1,1,1-Trichloroethane		0.15	1.0	
79-00-5	1,1,2-Trichloroethane		0.19	1.0	
79-01-6	Trichloroethylene	0.41	0.17	1.0	J
75-69-4	Trichlorofluoromethane (Freon 11)		0.15	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)		0.21	1.0	
75-01-4	Vinyl Chloride		0.24	2.0	
1330-20-7	Xylenes (total)		1.0	1.0	

Data Path : C:\msdchem\1\data\C080223\
 Data File : C22V21445.D
 Acq On : 3 Aug 2023 4:34 am
 Operator :
 Sample : 23G3932-08
 Misc :
 ALS Vial : 45 Sample Multiplier: 1

Inst : GCMSVOA3

Quant Time: Aug 03 07:53:24 2023
 Quant Method : C:\msdchem\1\methods\C080822.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Fri Apr 21 09:50:20 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	4.292	168	164006	30.00	UG/L	0.00
48) 1,4-DIFLUOROBENZENE - ...	5.014	114	245523	30.00	UG/L	0.00
70) CHLOROBENZENE-D5 ISTD	7.841	82	122051	30.00	UG/L	0.00
89) 1,4-DICHLOROBENZENE-D4...	10.137	152	108747	30.00	UG/L	# 0.00
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.562	65	76711	24.93	UG/L	0.00
Spiked Amount 25.000	Range	70 - 130	Recovery	=	99.72%	
49) TOLUENE SS	6.444	98	252391	25.96	UG/L	0.00
Spiked Amount 25.000	Range	70 - 130	Recovery	=	103.84%	
71) 4-BROMOFLUOROBENZENE SS	8.999	95	78996	21.83	UG/L	0.00
Spiked Amount 25.000	Range	70 - 130	Recovery	=	87.32%	
Target Compounds						
51) TRICHLOROETHENE	5.254	95	932	0.41	UG/L	Qvalue # 54

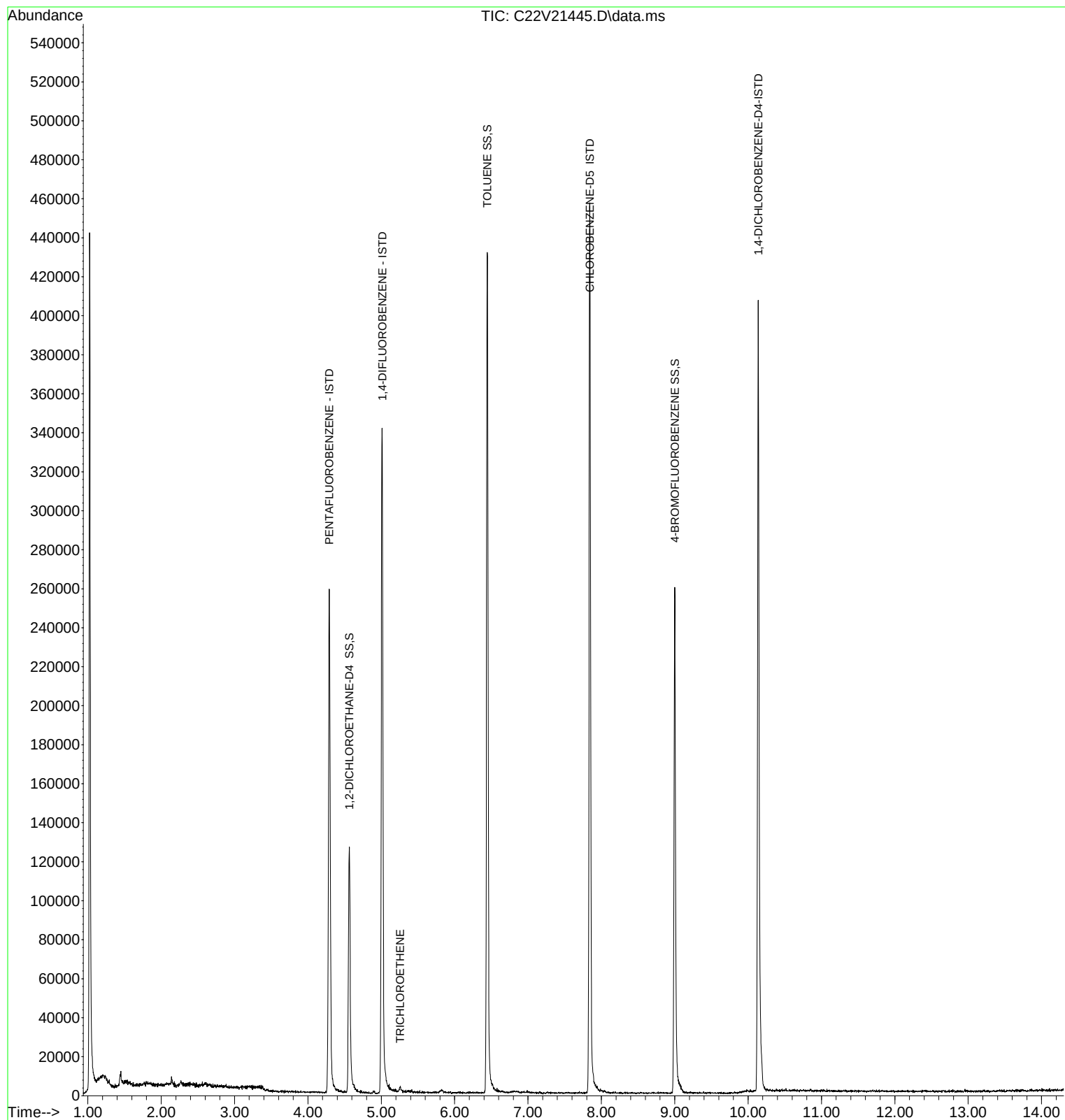
(#) = qualifier out of range (m) = manual integration (+) = signals summed

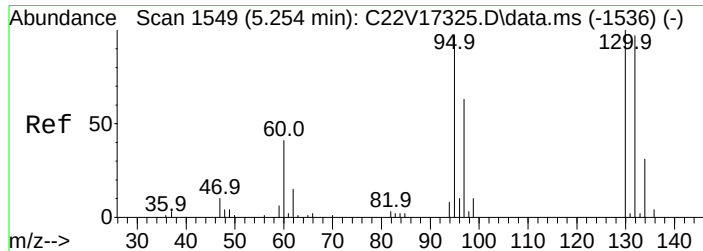
Data Path : C:\msdchem\1\data\C080223\
Data File : C22V21445.D
Acq On : 3 Aug 2023 4:34 am
Operator :
Sample : 23G3932-08
Misc :
ALS Vial : 45 Sample Multiplier: 1

119

Inst : GCMSVOA3

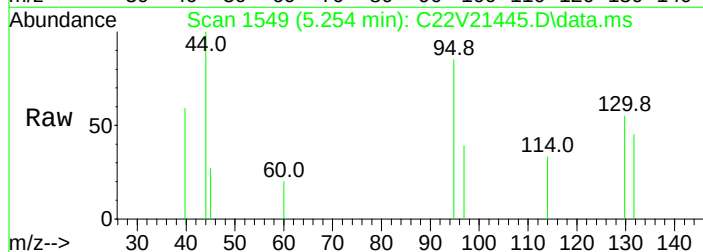
Quant Time: Aug 03 07:53:24 2023
Quant Method : C:\msdchem\1\methods\C080822.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Fri Apr 21 09:50:20 2023
Response via : Initial Calibration



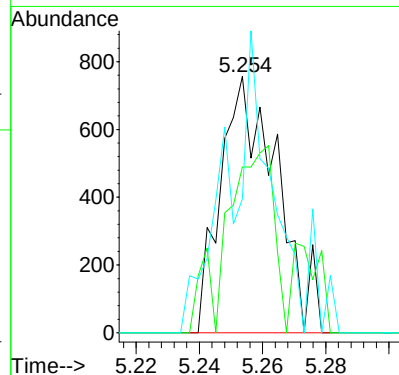
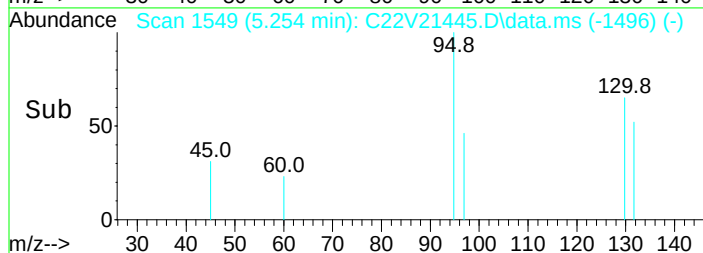


#51
 TRICHLOROETHENE
 Concen: 0.41 UG/L
 RT: 5.254 min Scan# 1549
 Delta R.T. -0.003 min
 Lab File: C22V21445.D
 Acq: 3 Aug 2023 4:34 am

120



Tgt Ion:	95	Resp:	932
Ion Ratio	Lower	Upper	
95	100		
130	61.9	85.7	128.5#
132	56.4	84.7	127.1#

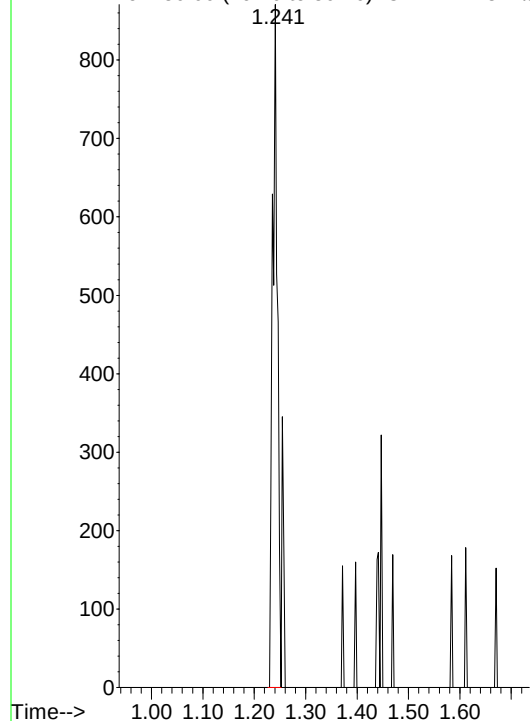


Data Path : C:\msdchem\1\data\C080223\
Data File : C22V21445.D
Acq On : 3 Aug 2023 4:34 am
Operator :
Sample : 23G3932-08
Misc :

Quant Time : Thu Aug 03 07:53:24 2023
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Fri Apr 21 09:50:20 2023

Original Integration
CHLOROMETHANE

Abundance Ion 50.00 (49.70 to 50.70): C22V21445.D



Original Int. Results

RT : 1.24
Area : 574
Amount: 0.147978

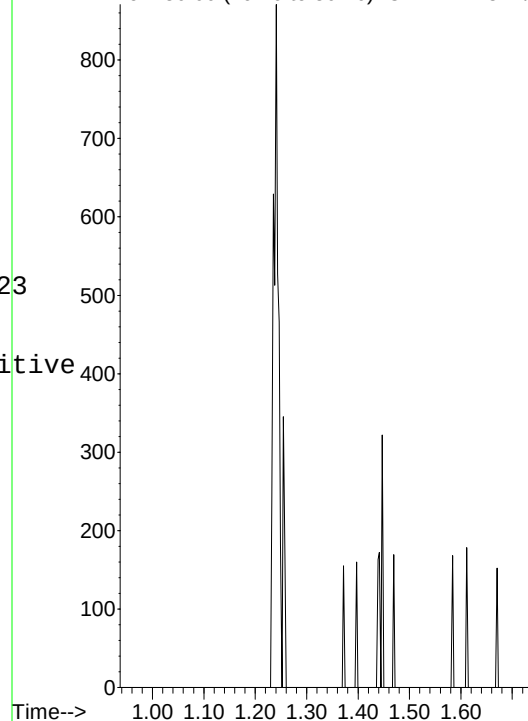
Manual Int. Results

Thu Aug 03 07:53:11 2023

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

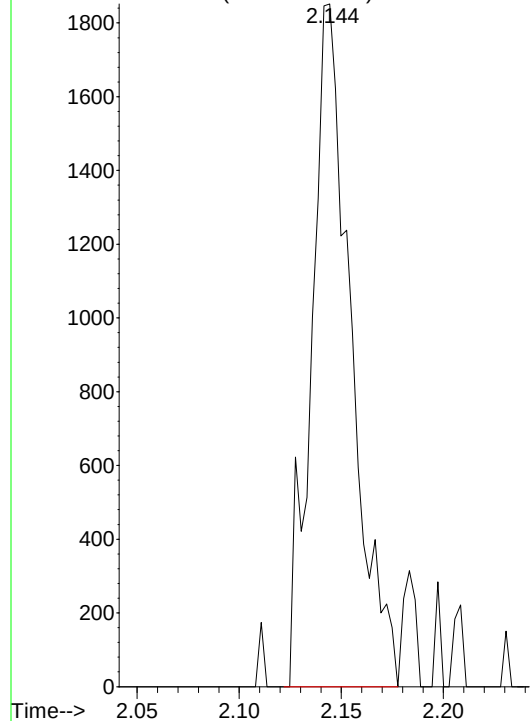
Manual Integration
CHLOROMETHANE

Abundance Ion 50.00 (49.70 to 50.70): C22V21445.D



Original Integration
ACETONE

Abundance Ion 43.00 (42.70 to 43.70): C22V21445.D



Original Int. Results

RT : 2.14
Area : 2490
Amount: 2.50132

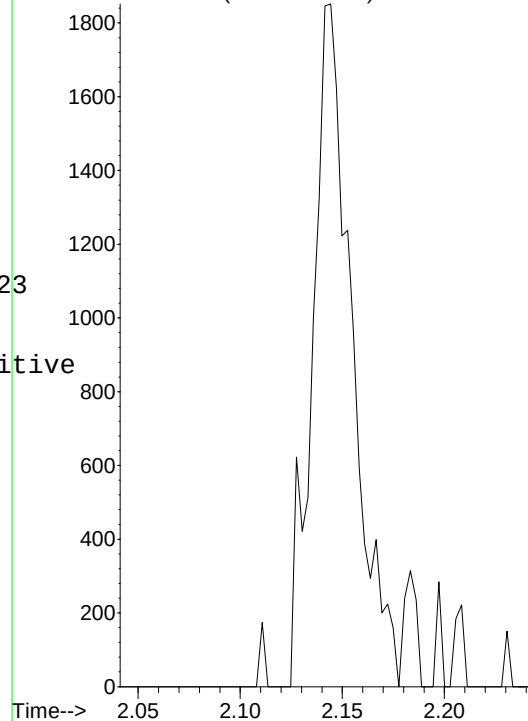
Manual Int. Results

Thu Aug 03 07:53:13 2023

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
ACETONE

Abundance Ion 43.00 (42.70 to 43.70): C22V21445.D

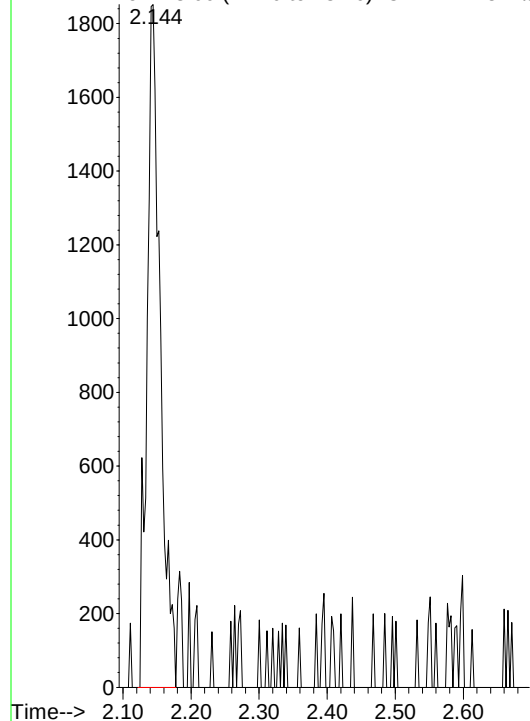


Data Path : C:\msdchem\1\data\C080223\
Data File : C22V21445.D
Acq On : 3 Aug 2023 4:34 am
Operator :
Sample : 23G3932-08
Misc :

Quant Time : Thu Aug 03 07:53:24 2023
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Fri Apr 21 09:50:20 2023

Original Integration
METHYL ACETATE

Abundance Ion 43.00 (42.70 to 43.70): C22V21445.D



Original Int. Results

RT : 2.14
Area : 2490
Amount: 0.642538

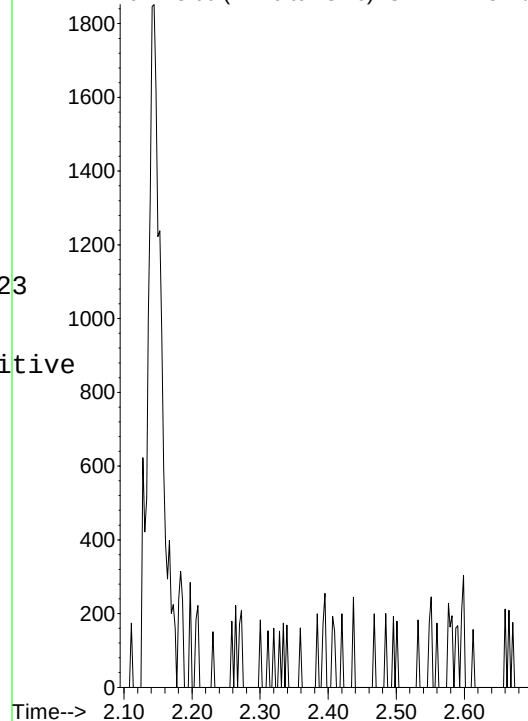
Manual Int. Results

Thu Aug 03 07:53:16 2023

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

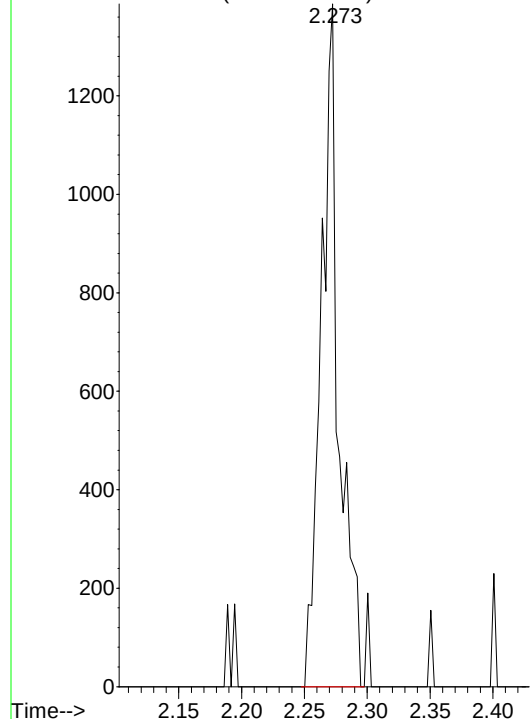
Manual Integration
METHYL ACETATE

Abundance Ion 43.00 (42.70 to 43.70): C22V21445.D



Original Integration
CARBON DISULFIDE

Abundance Ion 76.00 (75.70 to 76.70): C22V21445.D



Original Int. Results

RT : 2.27
Area : 1377
Amount: 0.201427

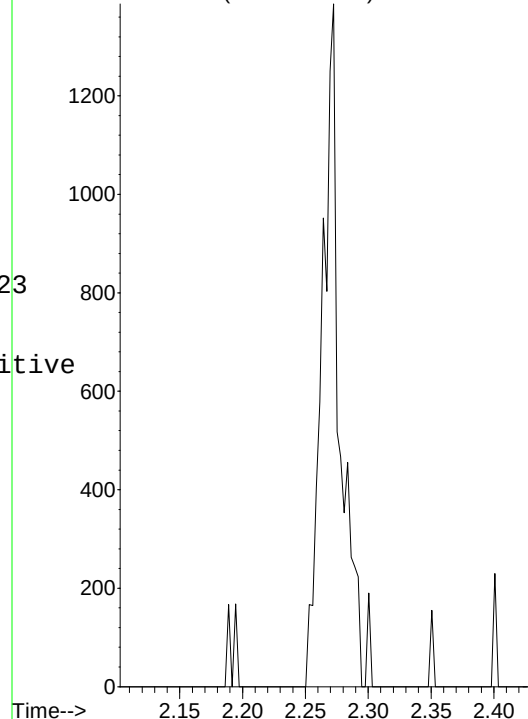
Manual Int. Results

Thu Aug 03 07:53:19 2023

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CARBON DISULFIDE

Abundance Ion 76.00 (75.70 to 76.70): C22V21445.D



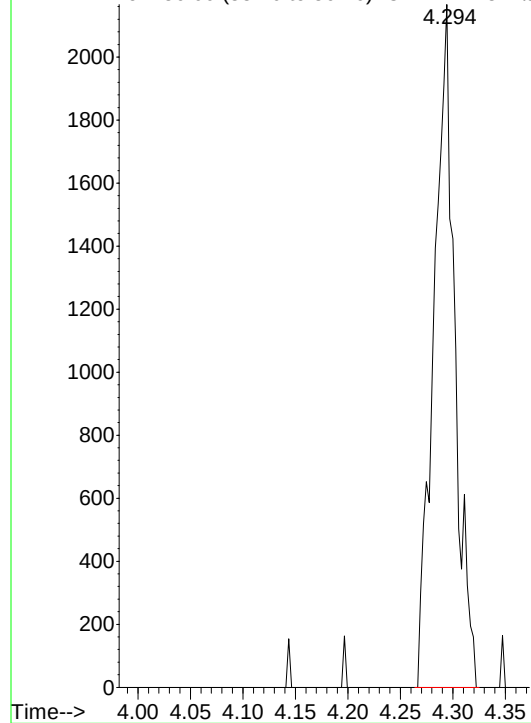
Data Path : C:\msdchem\1\data\C080223\
Data File : C22V21445.D
Acq On : 3 Aug 2023 4:34 am
Operator :
Sample : 23G3932-08
Misc :

Quant Time : Thu Aug 03 07:53:24 2023
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Fri Apr 21 09:50:20 2023

Original Integration

CYCLOHEXANE

Abundance Ion 56.00 (55.70 to 56.70): C22V21445.D



Original Int. Results

RT : 4.29
Area : 3003
Amount: 0.775847

Manual Int. Results

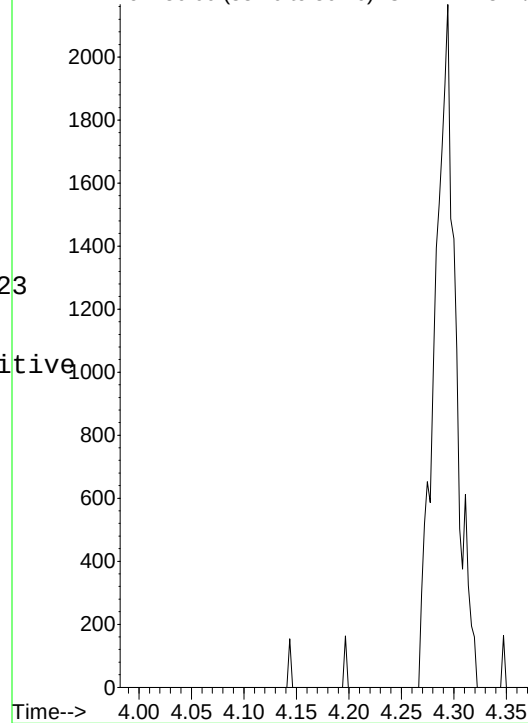
Thu Aug 03 07:53:23 2023

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration

CYCLOHEXANE

Abundance Ion 56.00 (55.70 to 56.70): C22V21445.D



1 - FORM I

ANALYSIS DATA SHEET

124

MW-20

Laboratory:	Pace New England	Work Order:	23G3932	
Client:	NYDEC_AECOM - Buffalo, NY	Project:	C.A.E. Electronics_CAT B - CO 147580	
Matrix:	Ground Water	Laboratory ID:	23G3932-09	File ID: C22V21446.D
Sampled:	07/27/23 12:25	Prepared:	08/01/23 07:14	Analyzed: 08/03/23 05:01
Solids:		Preparation:	SW-846 5030B	Dilution: 1
Initial/Final:	5 mL / 5 mL			
Batch:	B347625	Sequence:	S091452	Calibration: 2200537
				Instrument: GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone		2.0	50	
71-43-2	Benzene		0.18	1.0	
74-97-5	Bromochloromethane		0.28	1.0	
75-27-4	Bromodichloromethane		0.16	0.50	
75-25-2	Bromoform		0.41	1.0	
74-83-9	Bromomethane		1.3	2.0	
78-93-3	2-Butanone (MEK)		1.7	20	
75-15-0	Carbon Disulfide		1.6	5.0	
56-23-5	Carbon Tetrachloride		0.16	5.0	V-05
108-90-7	Chlorobenzene		0.12	1.0	
124-48-1	Chlorodibromomethane		0.20	0.50	
75-00-3	Chloroethane		0.34	2.0	
67-66-3	Chloroform		0.14	2.0	
74-87-3	Chloromethane		0.50	2.0	
110-82-7	Cyclohexane		1.8	5.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.85	5.0	V-05
106-93-4	1,2-Dibromoethane (EDB)		0.16	0.50	
95-50-1	1,2-Dichlorobenzene		0.13	1.0	
541-73-1	1,3-Dichlorobenzene		0.14	1.0	
106-46-7	1,4-Dichlorobenzene		0.13	1.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.16	2.0	
75-34-3	1,1-Dichloroethane		0.14	1.0	
107-06-2	1,2-Dichloroethane		0.30	1.0	
75-35-4	1,1-Dichloroethylene		0.14	1.0	
156-59-2	cis-1,2-Dichloroethylene		0.14	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.17	1.0	
78-87-5	1,2-Dichloropropane		0.19	1.0	
10061-01-5	cis-1,3-Dichloropropene		0.16	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.14	0.50	
123-91-1	1,4-Dioxane		18	50	

1 - FORM I

ANALYSIS DATA SHEET

125

MW-20

Laboratory:	Pace New England	Work Order:	23G3932
Client:	NYDEC_AECOM - Buffalo, NY	Project:	C.A.E. Electronics_CAT B - CO 147580
Matrix:	Ground Water	Laboratory ID:	23G3932-09
		File ID:	C22V21446.D
Sampled:	07/27/23 12:25	Prepared:	08/01/23 07:14
		Analyzed:	08/03/23 05:01
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B347625	Sequence:	S091452
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
100-41-4	Ethylbenzene		0.22	1.0	
591-78-6	2-Hexanone (MBK)		1.2	10	
98-82-8	Isopropylbenzene (Cumene)		0.15	1.0	
79-20-9	Methyl Acetate		0.61	1.0	V-05
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.17	1.0	
108-87-2	Methyl Cyclohexane		0.16	1.0	
75-09-2	Methylene Chloride		0.18	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.3	10	
100-42-5	Styrene		0.15	1.0	
79-34-5	1,1,2,2-Tetrachloroethane		0.14	0.50	
127-18-4	Tetrachloroethylene		0.17	1.0	
108-88-3	Toluene		0.22	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.34	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.30	1.0	
71-55-6	1,1,1-Trichloroethane		0.15	1.0	
79-00-5	1,1,2-Trichloroethane		0.19	1.0	
79-01-6	Trichloroethylene	0.30	0.17	1.0	J
75-69-4	Trichlorofluoromethane (Freon 11)		0.15	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)		0.21	1.0	
75-01-4	Vinyl Chloride		0.24	2.0	
1330-20-7	Xylenes (total)		1.0	1.0	

Data Path : C:\msdchem\1\data\C080223\
 Data File : C22V21446.D
 Acq On : 3 Aug 2023 5:01 am
 Operator :
 Sample : 23G3932-09
 Misc :
 ALS Vial : 46 Sample Multiplier: 1

Inst : GCMSVOA3

Quant Time: Aug 03 07:53:50 2023
 Quant Method : C:\msdchem\1\methods\C080822.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Fri Apr 21 09:50:20 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	4.292	168	172266	30.00	UG/L	0.00
48) 1,4-DIFLUOROBENZENE - ...	5.011	114	254415	30.00	UG/L	0.00
70) CHLOROBENZENE-D5 ISTD	7.844	82	122158	30.00	UG/L	0.00
89) 1,4-DICHLOROBENZENE-D4...	10.142	152	110949	30.00	UG/L	# 0.00
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.565	65	79955	24.73	UG/L	0.00
Spiked Amount 25.000	Range	70 - 130	Recovery	=	98.92%	
49) TOLUENE SS	6.444	98	247026	24.52	UG/L	0.00
Spiked Amount 25.000	Range	70 - 130	Recovery	=	98.08%	
71) 4-BROMOFLUOROBENZENE SS	8.999	95	76477	21.12	UG/L	0.00
Spiked Amount 25.000	Range	70 - 130	Recovery	=	84.48%	
Target Compounds						
51) TRICHLOROETHENE	5.265	95	694	0.30	UG/L	Qvalue # 83

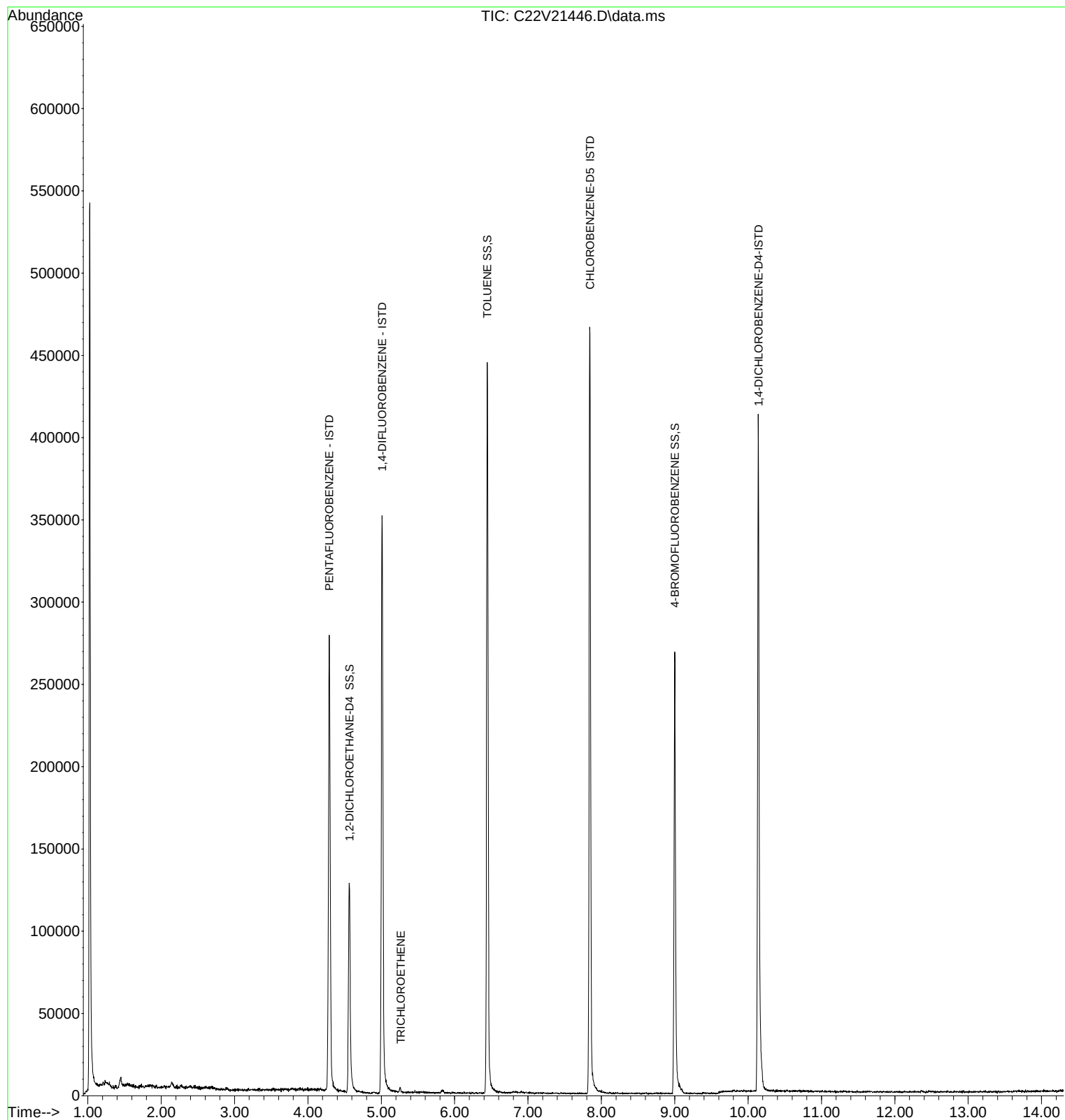
(#) = qualifier out of range (m) = manual integration (+) = signals summed

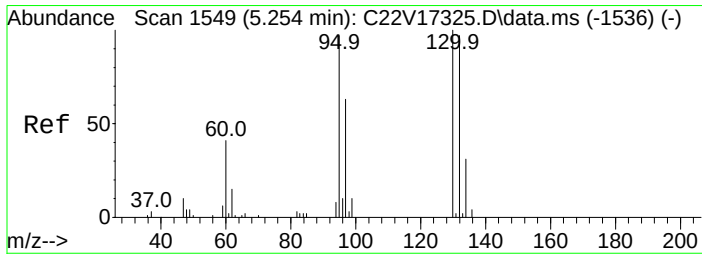
Data Path : C:\msdchem\1\data\C080223\
Data File : C22V21446.D
Acq On : 3 Aug 2023 5:01 am
Operator :
Sample : 23G3932-09
Misc :
ALS Vial : 46 Sample Multiplier: 1

127

Inst : GCMSV0A3

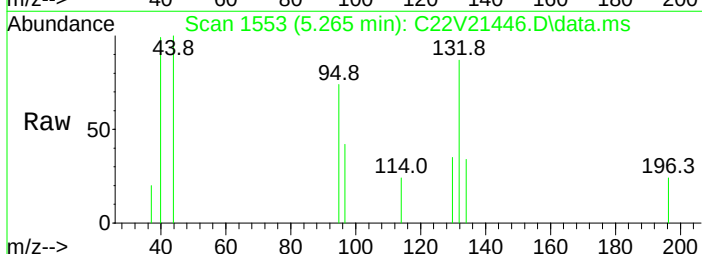
Quant Time: Aug 03 07:53:50 2023
Quant Method : C:\msdchem\1\methods\C080822.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Fri Apr 21 09:50:20 2023
Response via : Initial Calibration



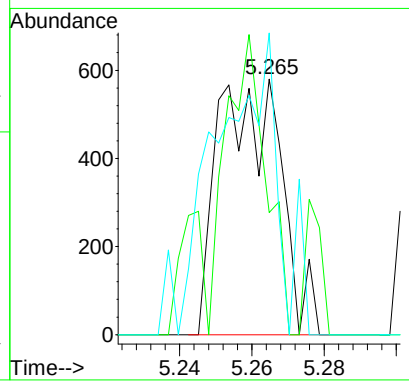
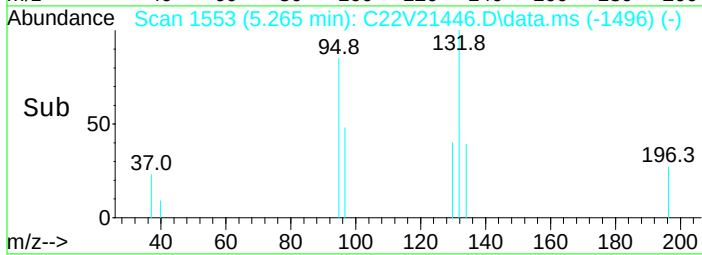


#51
 TRICHLOROETHENE
 Concen: 0.30 UG/L
 RT: 5.265 min Scan# 1553
 Delta R.T. 0.008 min
 Lab File: C22V21446.D
 Acq: 3 Aug 2023 5:01 am

128



Tgt Ion:	95	Resp:	694
Ion Ratio	Lower	Upper	
95	100		
130	75.9	85.7	128.5#
132	109.7	84.7	127.1

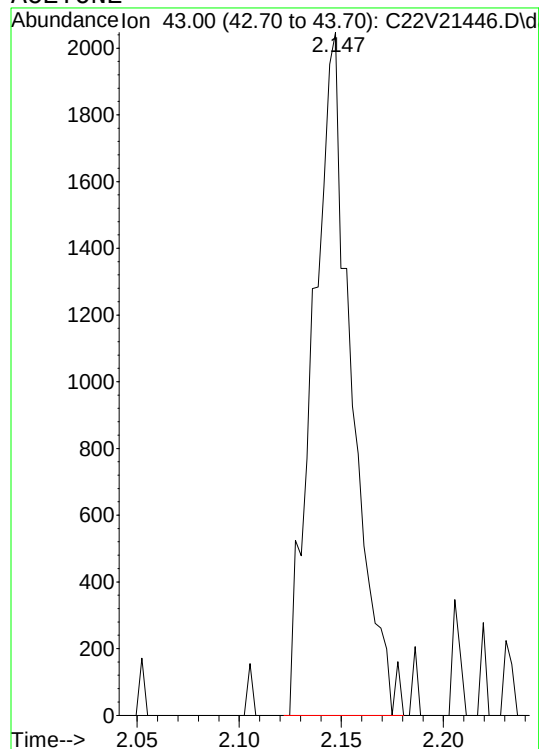


Data Path : C:\msdchem\1\data\C080223\
Data File : C22V21446.D
Acq On : 3 Aug 2023 5:01 am
Operator :
Sample : 23G3932-09
Misc :

Quant Time : Thu Aug 03 07:53:50 2023
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Fri Apr 21 09:50:20 2023

Original Integration

ACETONE



Original Int. Results

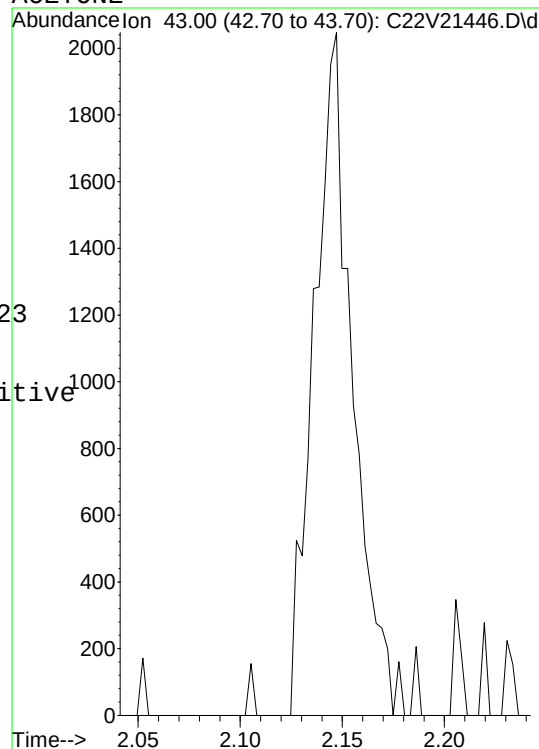
RT : 2.15
Area : 2695
Amount: 2.57744

Manual Int. Results

Thu Aug 03 07:53:40 2023
MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

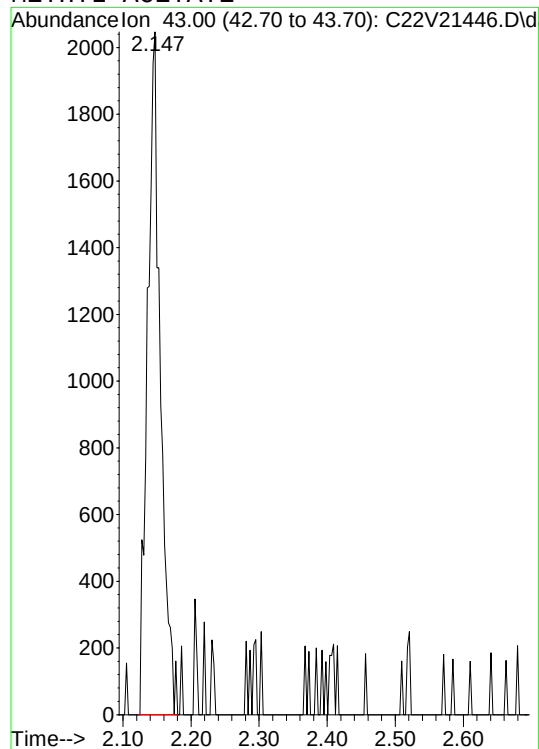
Manual Integration

ACETONE



Original Integration

METHYL ACETATE



Original Int. Results

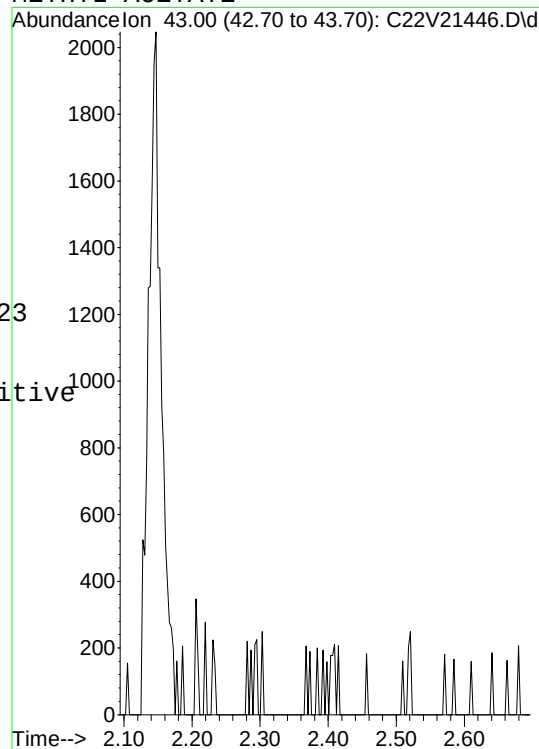
RT : 2.15
Area : 2695
Amount: 0.662092

Manual Int. Results

Thu Aug 03 07:53:43 2023
MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration

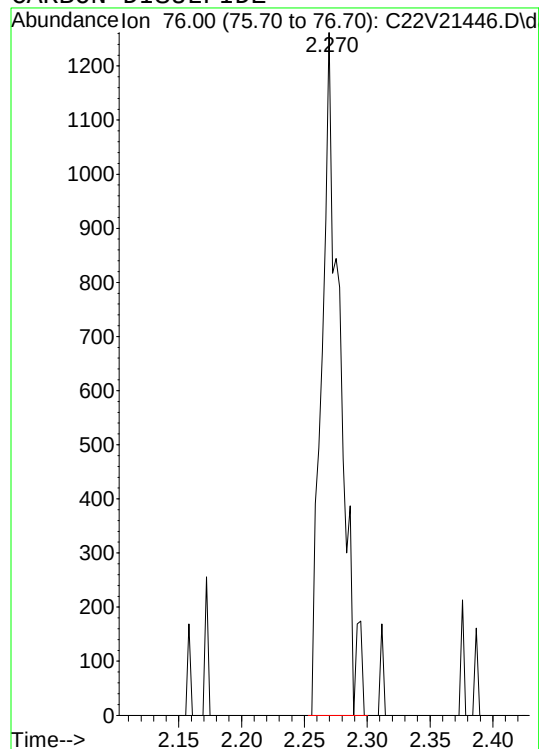
METHYL ACETATE



Data Path : C:\msdchem\1\data\C080223\
Data File : C22V21446.D
Acq On : 3 Aug 2023 5:01 am
Operator :
Sample : 23G3932-09
Misc :

Quant Time : Thu Aug 03 07:53:50 2023
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Fri Apr 21 09:50:20 2023

Original Integration
CARBON DISULFIDE



Original Int. Results

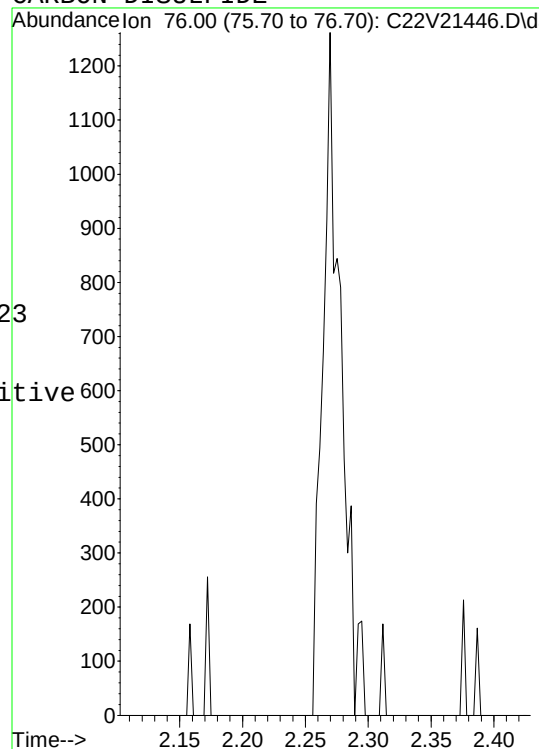
RT : 2.27
Area : 1287
Amount: 0.179235

Manual Int. Results

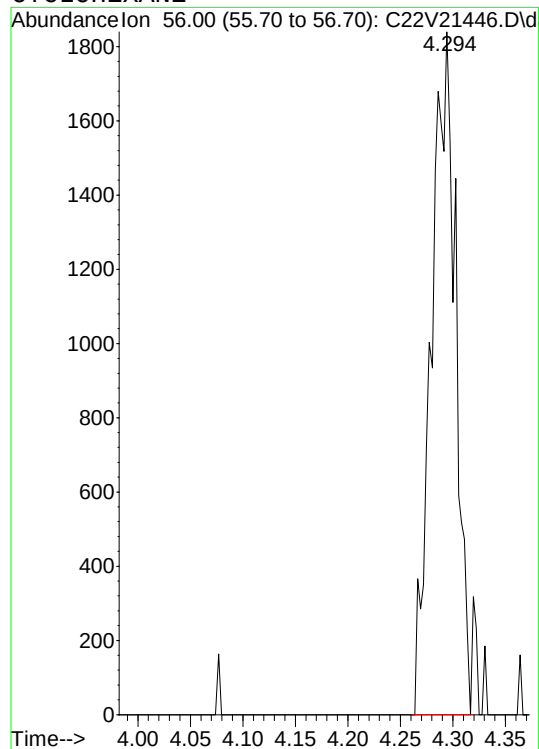
Thu Aug 03 07:53:45 2023

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CARBON DISULFIDE



Original Integration
CYCLOHEXANE



Original Int. Results

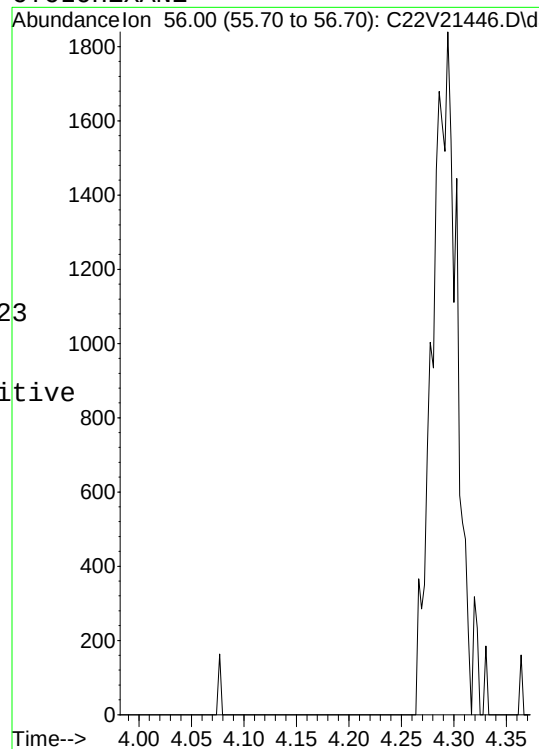
RT : 4.29
Area : 2955
Amount: 0.72684

Manual Int. Results

Thu Aug 03 07:53:49 2023

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CYCLOHEXANE



1 - FORM I

ANALYSIS DATA SHEET

131

MW-07-05

Laboratory:	Pace New England	Work Order:	23G3932
Client:	NYDEC_AECOM - Buffalo, NY	Project:	C.A.E. Electronics_CAT B - CO 147580
Matrix:	Ground Water	Laboratory ID:	23G3932-10
		File ID:	C22V21447.D
Sampled:	07/27/23 12:35	Prepared:	08/01/23 07:14
		Analyzed:	08/03/23 05:27
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B347625	Sequence:	S091452
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone		2.0	50	
71-43-2	Benzene		0.18	1.0	
74-97-5	Bromochloromethane		0.28	1.0	
75-27-4	Bromodichloromethane		0.16	0.50	
75-25-2	Bromoform		0.41	1.0	
74-83-9	Bromomethane		1.3	2.0	
78-93-3	2-Butanone (MEK)		1.7	20	
75-15-0	Carbon Disulfide		1.6	5.0	
56-23-5	Carbon Tetrachloride		0.16	5.0	V-05
108-90-7	Chlorobenzene		0.12	1.0	
124-48-1	Chlorodibromomethane		0.20	0.50	
75-00-3	Chloroethane		0.34	2.0	
67-66-3	Chloroform		0.14	2.0	
74-87-3	Chloromethane		0.50	2.0	
110-82-7	Cyclohexane		1.8	5.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.85	5.0	V-05
106-93-4	1,2-Dibromoethane (EDB)		0.16	0.50	
95-50-1	1,2-Dichlorobenzene		0.13	1.0	
541-73-1	1,3-Dichlorobenzene		0.14	1.0	
106-46-7	1,4-Dichlorobenzene		0.13	1.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.16	2.0	
75-34-3	1,1-Dichloroethane		0.14	1.0	
107-06-2	1,2-Dichloroethane		0.30	1.0	
75-35-4	1,1-Dichloroethylene		0.14	1.0	
156-59-2	cis-1,2-Dichloroethylene		0.14	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.17	1.0	
78-87-5	1,2-Dichloropropane		0.19	1.0	
10061-01-5	cis-1,3-Dichloropropene		0.16	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.14	0.50	
123-91-1	1,4-Dioxane		18	50	

1 - FORM I

ANALYSIS DATA SHEET

132

MW-07-05

Laboratory:	Pace New England	Work Order:	23G3932
Client:	NYDEC_AECOM - Buffalo, NY	Project:	C.A.E. Electronics_CAT B - CO 147580
Matrix:	Ground Water	Laboratory ID:	23G3932-10
		File ID:	C22V21447.D
Sampled:	07/27/23 12:35	Prepared:	08/01/23 07:14
		Analyzed:	08/03/23 05:27
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B347625	Sequence:	S091452
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
100-41-4	Ethylbenzene		0.22	1.0	
591-78-6	2-Hexanone (MBK)		1.2	10	
98-82-8	Isopropylbenzene (Cumene)		0.15	1.0	
79-20-9	Methyl Acetate		0.61	1.0	V-05
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.17	1.0	
108-87-2	Methyl Cyclohexane		0.16	1.0	
75-09-2	Methylene Chloride		0.18	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.3	10	
100-42-5	Styrene		0.15	1.0	
79-34-5	1,1,2,2-Tetrachloroethane		0.14	0.50	
127-18-4	Tetrachloroethylene		0.17	1.0	
108-88-3	Toluene		0.22	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.34	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.30	1.0	
71-55-6	1,1,1-Trichloroethane		0.15	1.0	
79-00-5	1,1,2-Trichloroethane		0.19	1.0	
79-01-6	Trichloroethylene	0.45	0.17	1.0	J
75-69-4	Trichlorofluoromethane (Freon 11)		0.15	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)		0.21	1.0	
75-01-4	Vinyl Chloride		0.24	2.0	
1330-20-7	Xylenes (total)		1.0	1.0	

Data Path : C:\msdchem\1\data\C080223\
 Data File : C22V21447.D
 Acq On : 3 Aug 2023 5:27 am
 Operator :
 Sample : 23G3932-10
 Misc :
 ALS Vial : 47 Sample Multiplier: 1

Inst : GCMSVOA3

Quant Time: Aug 03 07:54:24 2023
 Quant Method : C:\msdchem\1\methods\C080822.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Fri Apr 21 09:50:20 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	4.292	168	161793	30.00	UG/L	0.00
48) 1,4-DIFLUOROBENZENE - ...	5.011	114	235679	30.00	UG/L	0.00
70) CHLOROBENZENE-D5 ISTD	7.841	82	116774	30.00	UG/L	0.00
89) 1,4-DICHLOROBENZENE-D4...	10.139	152	104500	30.00	UG/L	# 0.00
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.562	65	75147	24.75	UG/L	0.00
Spiked Amount 25.000	Range	70 - 130	Recovery	=	99.00%	
49) TOLUENE SS	6.444	98	235715	25.25	UG/L	0.00
Spiked Amount 25.000	Range	70 - 130	Recovery	=	101.00%	
71) 4-BROMOFLUOROBENZENE SS	8.999	95	73879	21.34	UG/L	0.00
Spiked Amount 25.000	Range	70 - 130	Recovery	=	85.36%	
Target Compounds						
51) TRICHLOROETHENE	5.251	95	976	0.45	UG/L	Qvalue # 1

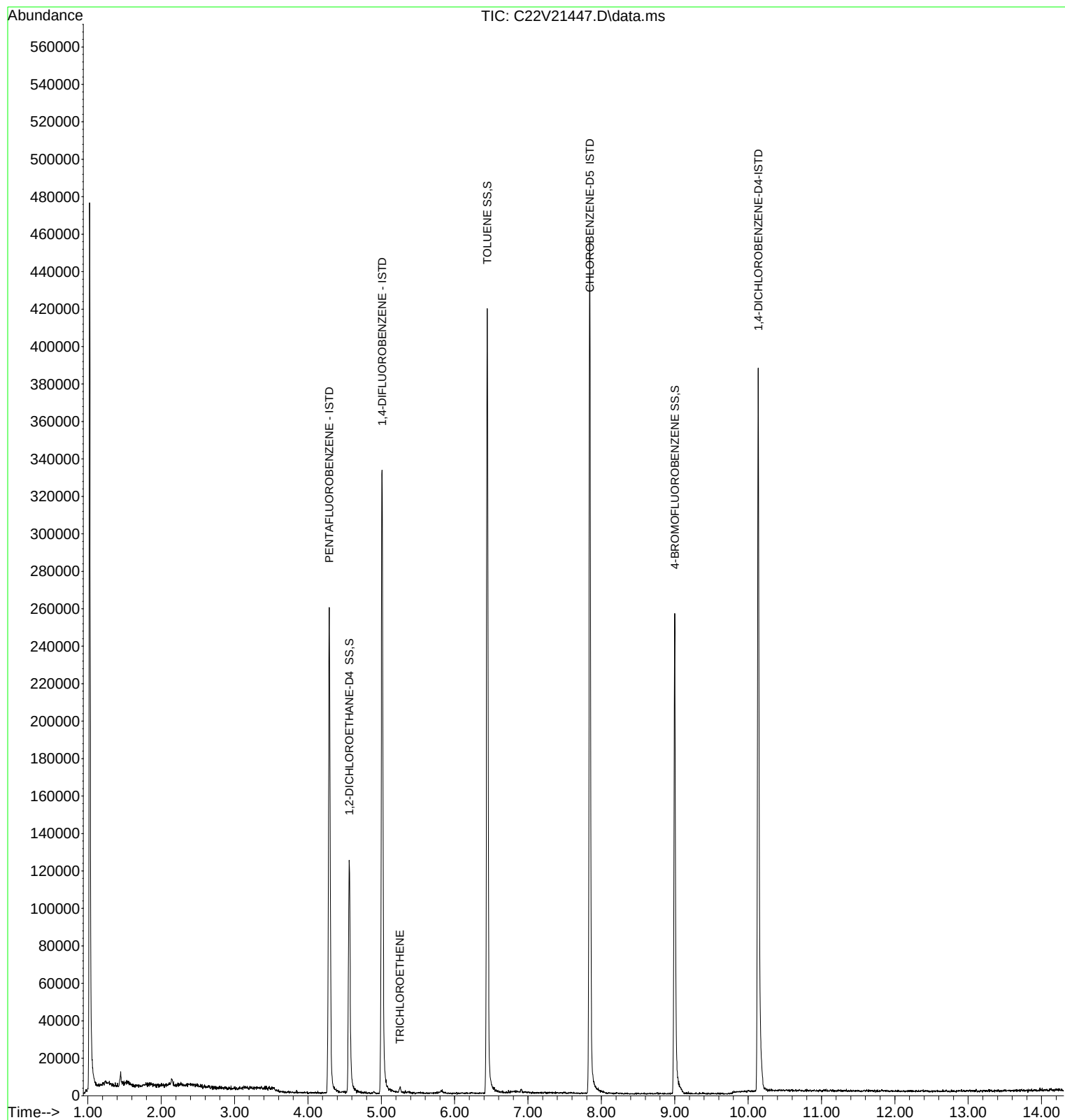
(#) = qualifier out of range (m) = manual integration (+) = signals summed

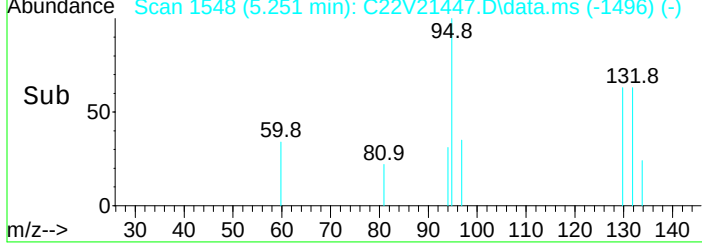
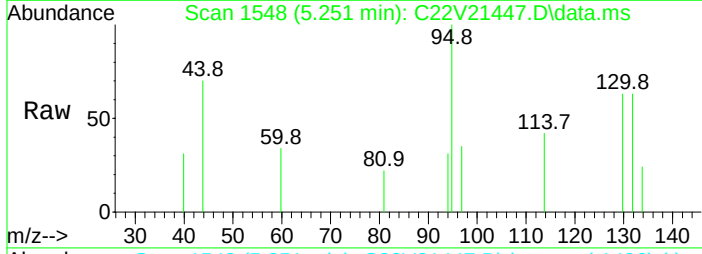
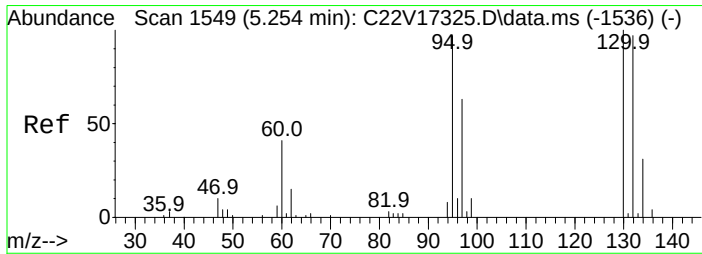
Data Path : C:\msdchem\1\data\C080223\
Data File : C22V21447.D
Acq On : 3 Aug 2023 5:27 am
Operator :
Sample : 23G3932-10
Misc :
ALS Vial : 47 Sample Multiplier: 1

134

Inst : GCMSV0A3

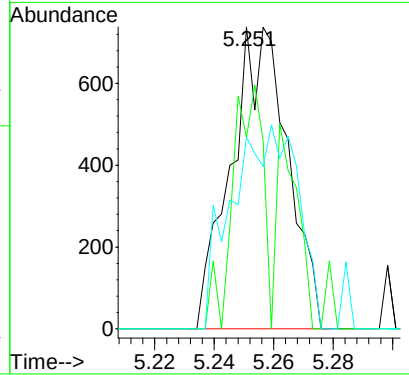
Quant Time: Aug 03 07:54:24 2023
Quant Method : C:\msdchem\1\methods\C080822.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Fri Apr 21 09:50:20 2023
Response via : Initial Calibration





#51
 TRICHLOROETHENE
 Concen: 0.45 UG/L
 RT: 5.251 min Scan# 1548
 Delta R.T. -0.006 min
 Lab File: C22V21447.D
 Acq: 3 Aug 2023 5:27 am

Tgt Ion:	95	Resp:	976
Ion Ratio	Lower	Upper	
95	100		
130	0.0	85.7	128.5#
132	0.0	84.7	127.1#

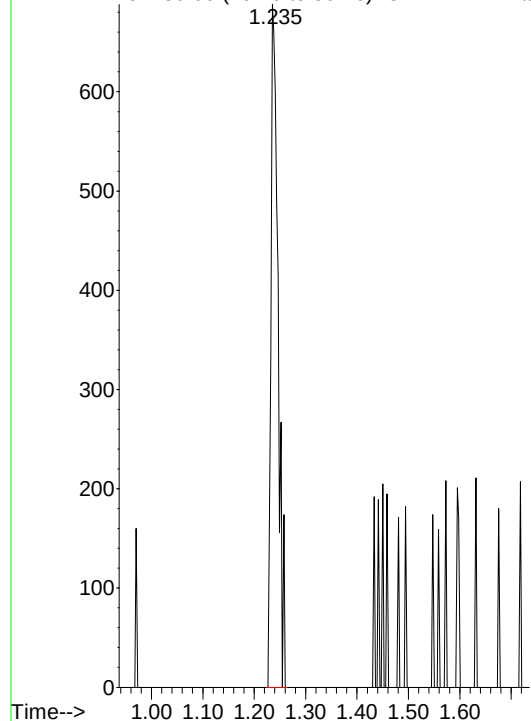


Data Path : C:\msdchem\1\data\C080223\
Data File : C22V21447.D
Acq On : 3 Aug 2023 5:27 am
Operator :
Sample : 23G3932-10
Misc :

Quant Time : Thu Aug 03 07:54:24 2023
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Fri Apr 21 09:50:20 2023

Original Integration
CHLOROMETHANE

Abundance Ion 50.00 (49.70 to 50.70): C22V21447.D



Original Int. Results

RT : 1.24
Area : 664
Amount: 0.173521

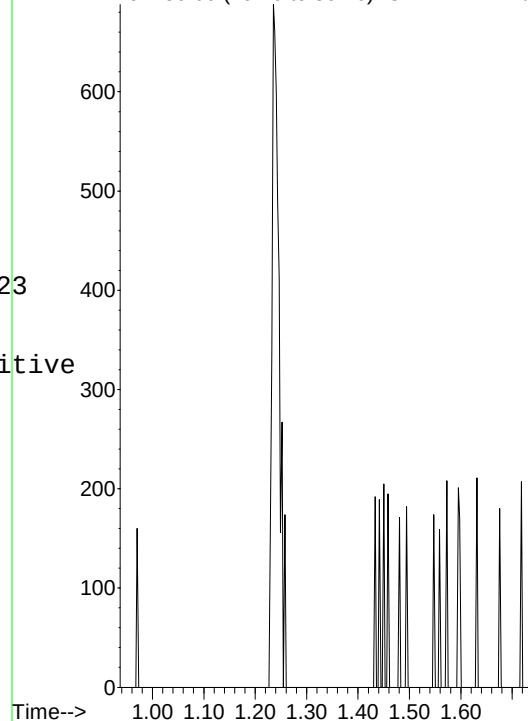
Manual Int. Results

Thu Aug 03 07:54:20 2023

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

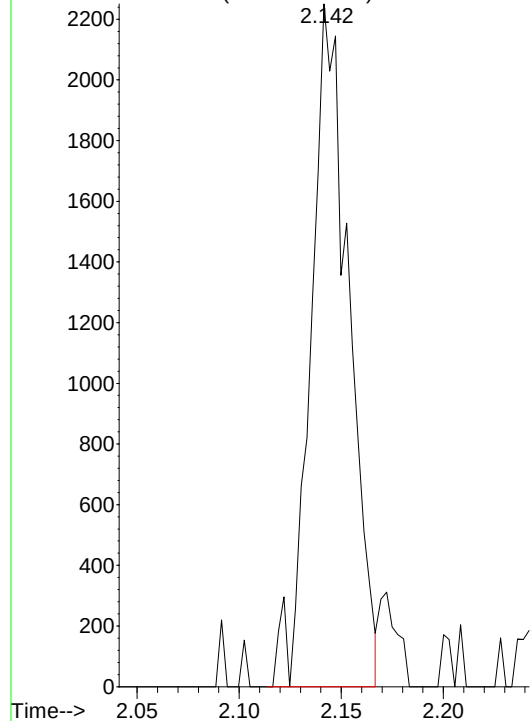
Manual Integration
CHLOROMETHANE

Abundance Ion 50.00 (49.70 to 50.70): C22V21447.D



Original Integration
ACETONE

Abundance Ion 43.00 (42.70 to 43.70): C22V21447.D



Original Int. Results

RT : 2.14
Area : 2921
Amount: 2.97441

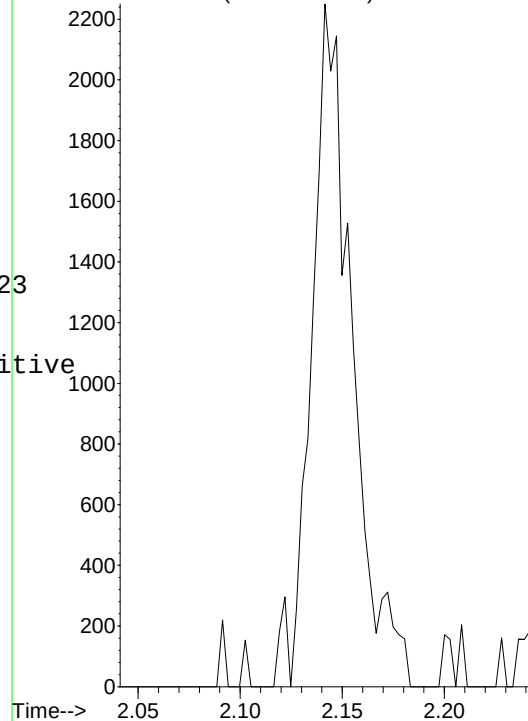
Manual Int. Results

Thu Aug 03 07:54:17 2023

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
ACETONE

Abundance Ion 43.00 (42.70 to 43.70): C22V21447.D

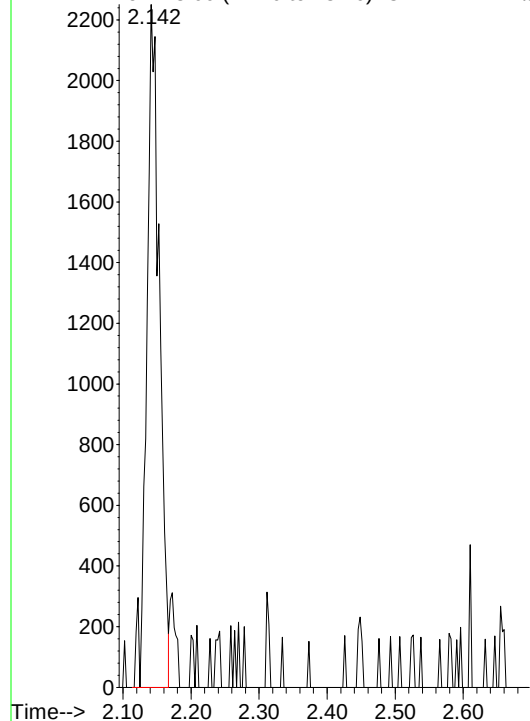


Data Path : C:\msdchem\1\data\C080223\
Data File : C22V21447.D
Acq On : 3 Aug 2023 5:27 am
Operator :
Sample : 23G3932-10
Misc :

Quant Time : Thu Aug 03 07:54:24 2023
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Fri Apr 21 09:50:20 2023

Original Integration
METHYL ACETATE

Abundance Ion 43.00 (42.70 to 43.70): C22V21447.Did



Original Int. Results

RT : 2.14
Area : 2921
Amount: 0.764066

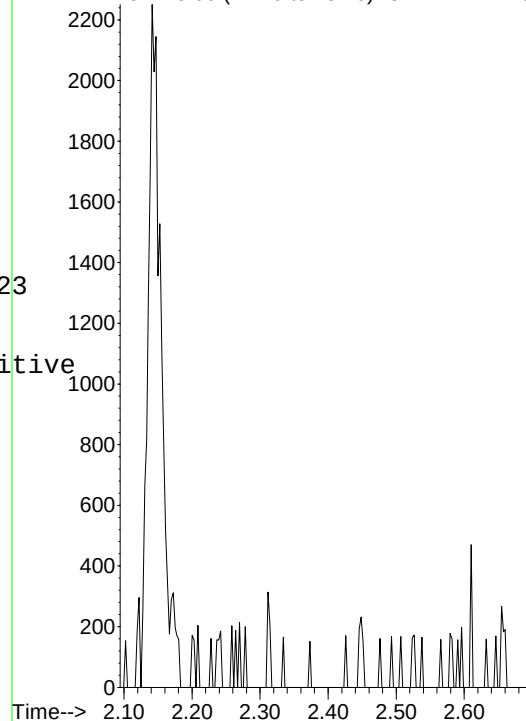
Manual Int. Results

Thu Aug 03 07:54:17 2023

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

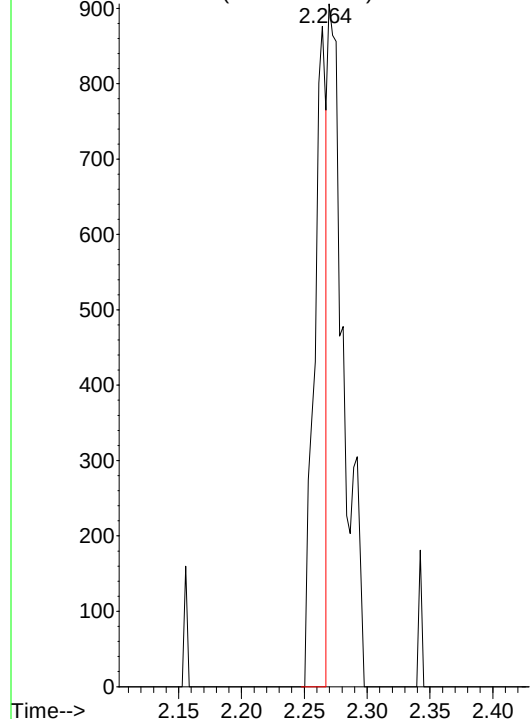
Manual Integration
METHYL ACETATE

Abundance Ion 43.00 (42.70 to 43.70): C22V21447.Did



Original Integration
CARBON DISULFIDE

Abundance Ion 76.00 (75.70 to 76.70): C22V21447.Did



Original Int. Results

RT : 2.26
Area : 586
Amount: 0.0868923

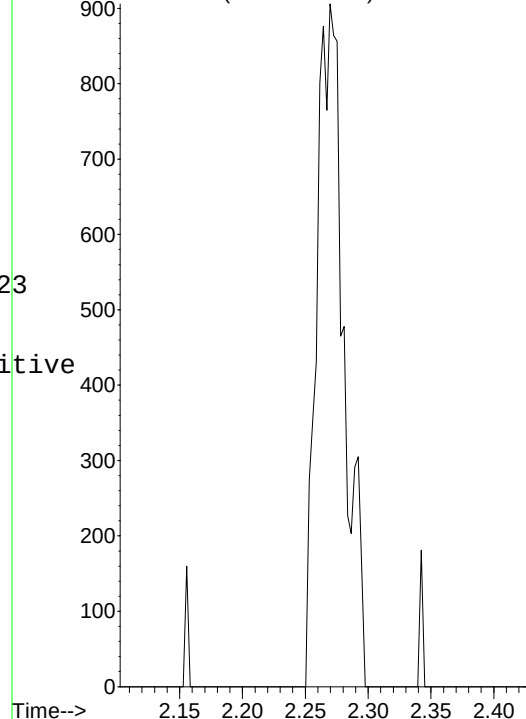
Manual Int. Results

Thu Aug 03 07:54:16 2023

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CARBON DISULFIDE

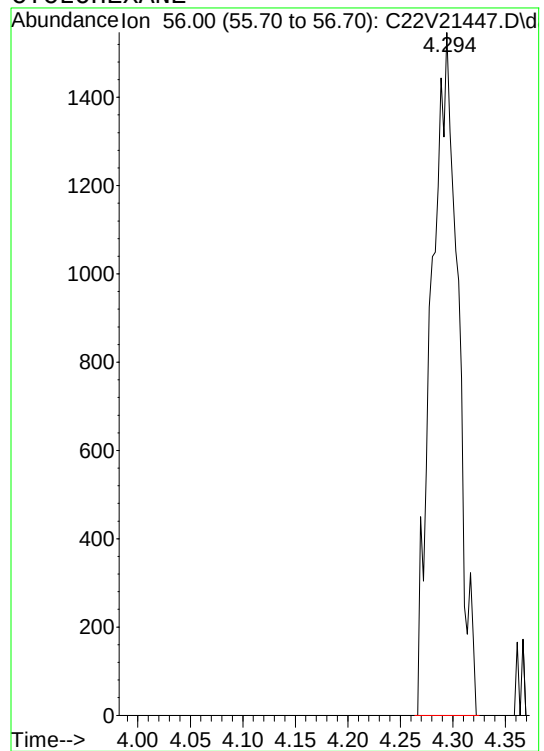
Abundance Ion 76.00 (75.70 to 76.70): C22V21447.Did



Data Path : C:\msdchem\1\data\C080223\
Data File : C22V21447.D
Acq On : 3 Aug 2023 5:27 am
Operator :
Sample : 23G3932-10
Misc :

Quant Time : Thu Aug 03 07:54:24 2023
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Fri Apr 21 09:50:20 2023

Original Integration
CYCLOHEXANE



Original Int. Results

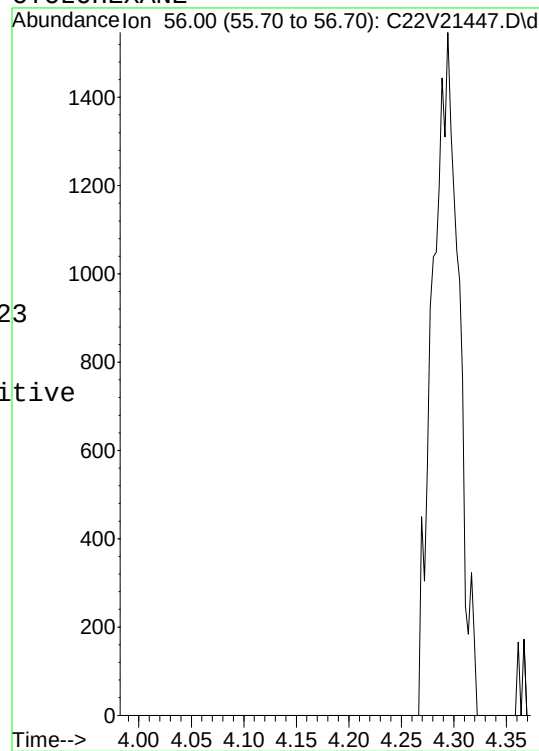
RT : 4.29
Area : 2687
Amount: 0.703702

Manual Int. Results

Thu Aug 03 07:54:14 2023

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CYCLOHEXANE



1 - FORM I

ANALYSIS DATA SHEET

139

MW-07-08

Laboratory:	Pace New England	Work Order:	23G3932
Client:	NYDEC_AECOM - Buffalo, NY	Project:	C.A.E. Electronics_CAT B - CO 147580
Matrix:	Ground Water	Laboratory ID:	23G3932-11
		File ID:	C22V21448.D
Sampled:	07/27/23 12:50	Prepared:	08/01/23 07:14
		Analyzed:	08/03/23 05:51
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B347625	Sequence:	S091452
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone		2.0	50	
71-43-2	Benzene		0.18	1.0	
74-97-5	Bromochloromethane		0.28	1.0	
75-27-4	Bromodichloromethane		0.16	0.50	
75-25-2	Bromoform		0.41	1.0	
74-83-9	Bromomethane		1.3	2.0	
78-93-3	2-Butanone (MEK)		1.7	20	
75-15-0	Carbon Disulfide		1.6	5.0	
56-23-5	Carbon Tetrachloride		0.16	5.0	V-05
108-90-7	Chlorobenzene		0.12	1.0	
124-48-1	Chlorodibromomethane		0.20	0.50	
75-00-3	Chloroethane		0.34	2.0	
67-66-3	Chloroform		0.14	2.0	
74-87-3	Chloromethane		0.50	2.0	
110-82-7	Cyclohexane		1.8	5.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.85	5.0	V-05
106-93-4	1,2-Dibromoethane (EDB)		0.16	0.50	
95-50-1	1,2-Dichlorobenzene		0.13	1.0	
541-73-1	1,3-Dichlorobenzene		0.14	1.0	
106-46-7	1,4-Dichlorobenzene		0.13	1.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.16	2.0	
75-34-3	1,1-Dichloroethane		0.14	1.0	
107-06-2	1,2-Dichloroethane		0.30	1.0	
75-35-4	1,1-Dichloroethylene		0.14	1.0	
156-59-2	cis-1,2-Dichloroethylene		0.14	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.17	1.0	
78-87-5	1,2-Dichloropropane		0.19	1.0	
10061-01-5	cis-1,3-Dichloropropene		0.16	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.14	0.50	
123-91-1	1,4-Dioxane		18	50	

1 - FORM I

ANALYSIS DATA SHEET

140

MW-07-08

Laboratory:	Pace New England	Work Order:	23G3932
Client:	NYDEC_AECOM - Buffalo, NY	Project:	C.A.E. Electronics_CAT B - CO 147580
Matrix:	Ground Water	Laboratory ID:	23G3932-11
		File ID:	C22V21448.D
Sampled:	07/27/23 12:50	Prepared:	08/01/23 07:14
		Analyzed:	08/03/23 05:51
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B347625	Sequence:	S091452
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
100-41-4	Ethylbenzene		0.22	1.0	
591-78-6	2-Hexanone (MBK)		1.2	10	
98-82-8	Isopropylbenzene (Cumene)		0.15	1.0	
79-20-9	Methyl Acetate		0.61	1.0	V-05
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.17	1.0	
108-87-2	Methyl Cyclohexane		0.16	1.0	
75-09-2	Methylene Chloride		0.18	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.3	10	
100-42-5	Styrene		0.15	1.0	
79-34-5	1,1,2,2-Tetrachloroethane		0.14	0.50	
127-18-4	Tetrachloroethylene		0.17	1.0	
108-88-3	Toluene		0.22	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.34	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.30	1.0	
71-55-6	1,1,1-Trichloroethane		0.15	1.0	
79-00-5	1,1,2-Trichloroethane		0.19	1.0	
79-01-6	Trichloroethylene	0.44	0.17	1.0	J
75-69-4	Trichlorofluoromethane (Freon 11)		0.15	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)		0.21	1.0	
75-01-4	Vinyl Chloride		0.24	2.0	
1330-20-7	Xylenes (total)		1.0	1.0	

Data Path : C:\msdchem\1\data\C080223\
 Data File : C22V21448.D
 Acq On : 3 Aug 2023 5:51 am
 Operator :
 Sample : 23G3932-11
 Misc :
 ALS Vial : 48 Sample Multiplier: 1

Inst : GCMSVOA3

Quant Time: Aug 03 07:55:12 2023
 Quant Method : C:\msdchem\1\methods\C080822.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Fri Apr 21 09:50:20 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	4.292	168	159937	30.00	UG/L	0.00
48) 1,4-DIFLUOROBENZENE - ...	5.011	114	242885	30.00	UG/L	0.00
70) CHLOROBENZENE-D5 ISTD	7.841	82	119213	30.00	UG/L	0.00
89) 1,4-DICHLOROBENZENE-D4...	10.137	152	113490	30.00	UG/L	# 0.00
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.565	65	77627	25.87	UG/L	0.00
Spiked Amount 25.000	Range	70 - 130	Recovery	=	103.48%	
49) TOLUENE SS	6.444	98	240842	25.04	UG/L	0.00
Spiked Amount 25.000	Range	70 - 130	Recovery	=	100.16%	
71) 4-BROMOFLUOROBENZENE SS	8.999	95	77255	21.86	UG/L	0.00
Spiked Amount 25.000	Range	70 - 130	Recovery	=	87.44%	
Target Compounds						
51) TRICHLOROETHENE	5.256	95	984	0.44	UG/L	Qvalue 83

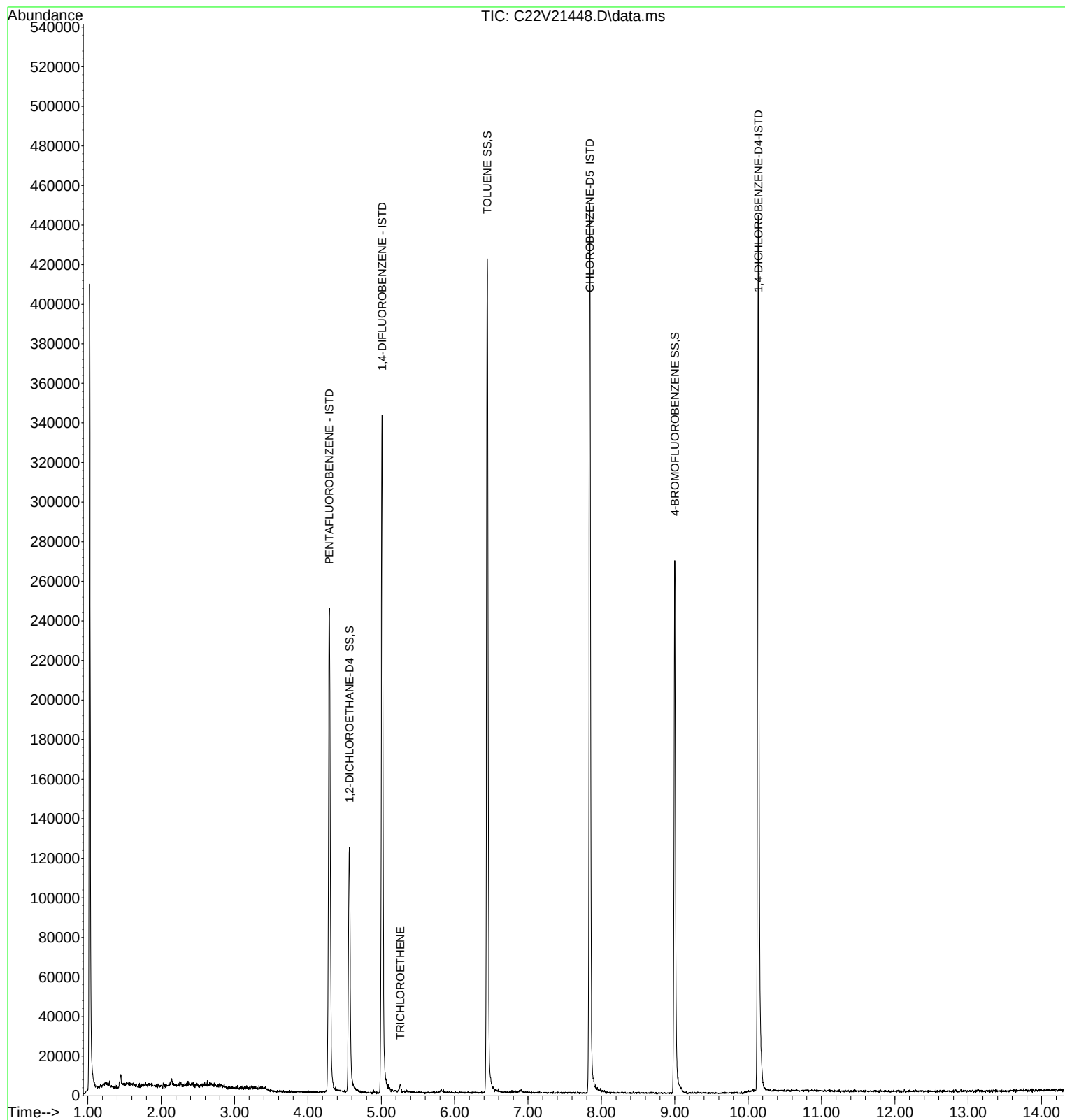
(#) = qualifier out of range (m) = manual integration (+) = signals summed

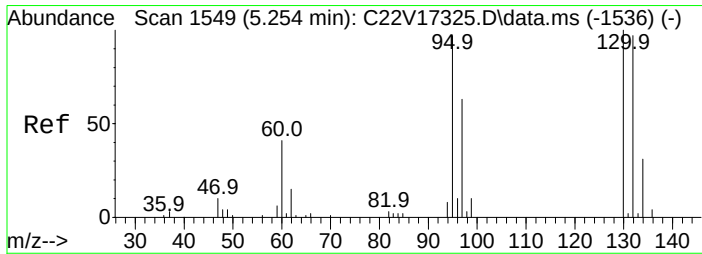
Data Path : C:\msdchem\1\data\C080223\
Data File : C22V21448.D
Acq On : 3 Aug 2023 5:51 am
Operator :
Sample : 23G3932-11
Misc :
ALS Vial : 48 Sample Multiplier: 1

142

Inst : GCMSV0A3

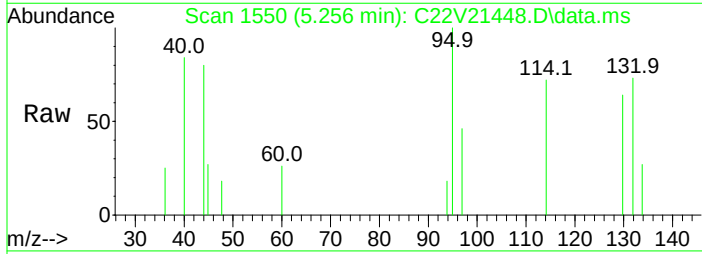
Quant Time: Aug 03 07:55:12 2023
Quant Method : C:\msdchem\1\methods\C080822.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Fri Apr 21 09:50:20 2023
Response via : Initial Calibration



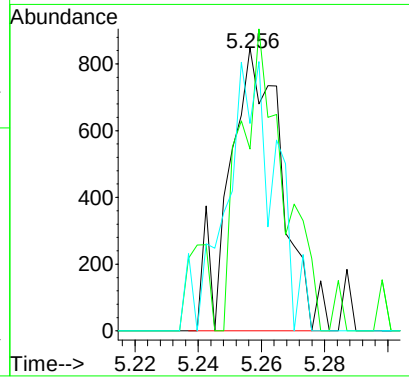
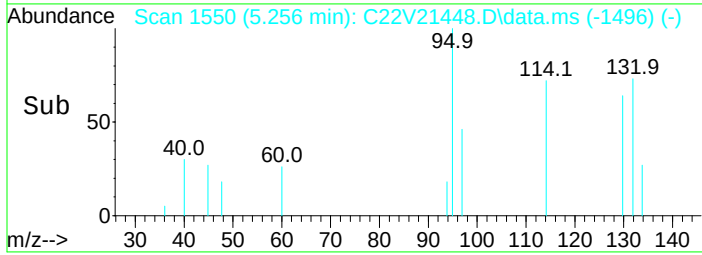


#51
 TRICHLOROETHENE
 Concen: 0.44 UG/L
 RT: 5.256 min Scan# 1550
 Delta R.T. 0.000 min
 Lab File: C22V21448.D
 Acq: 3 Aug 2023 5:51 am

143



Tgt Ion:	95	Resp:	984
Ion Ratio	Lower	Upper	
95	100		
130	87.3	85.7	128.5
132	91.2	84.7	127.1

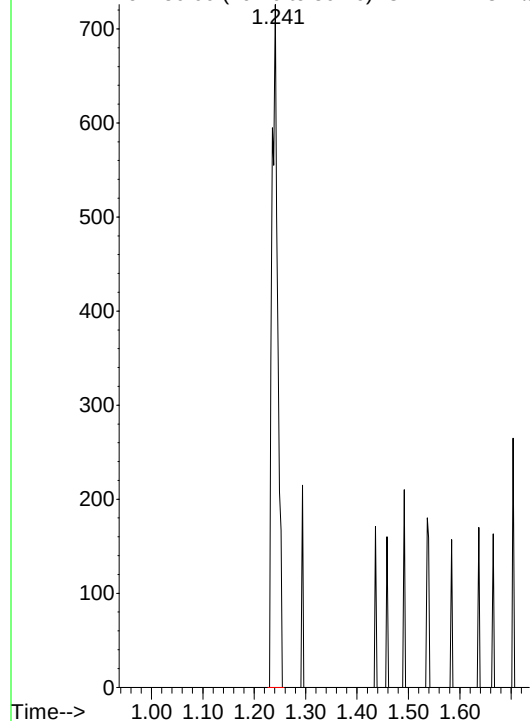


Data Path : C:\msdchem\1\data\C080223\
Data File : C22V21448.D
Acq On : 3 Aug 2023 5:51 am
Operator :
Sample : 23G3932-11
Misc :

Quant Time : Thu Aug 03 07:55:12 2023
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Fri Apr 21 09:50:20 2023

Original Integration
CHLOROMETHANE

Abundance Ion 50.00 (49.70 to 50.70): C22V21448.Did



Original Int. Results

RT : 1.24
Area : 577
Amount: 0.152536

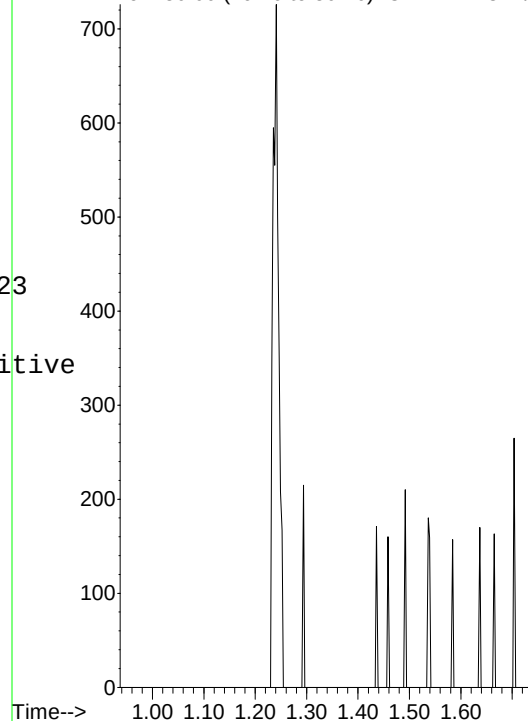
Manual Int. Results

Thu Aug 03 07:55:12 2023

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

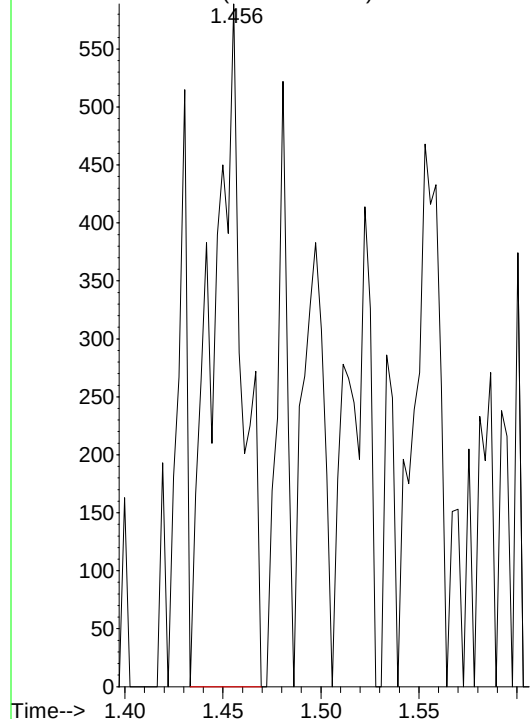
Manual Integration
CHLOROMETHANE

Abundance Ion 50.00 (49.70 to 50.70): C22V21448.Did



Original Integration
BROMOMETHANE

Abundance Ion 94.00 (93.70 to 94.70): C22V21448.Did



Original Int. Results

RT : 1.46
Area : 641
Amount: 0.390424

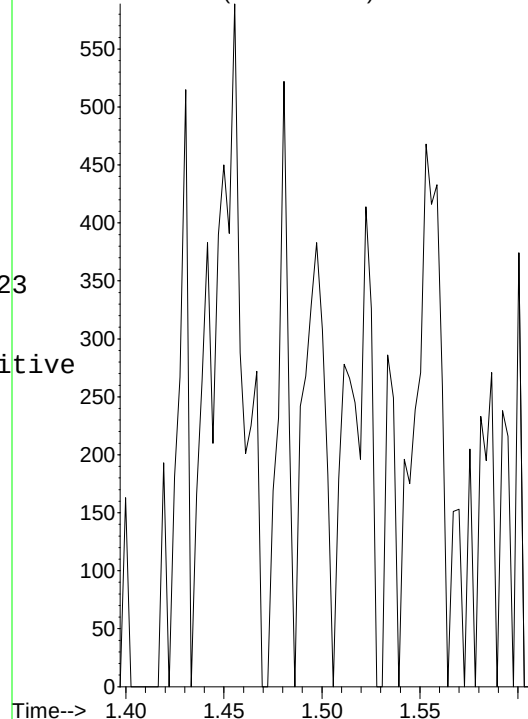
Manual Int. Results

Thu Aug 03 07:55:11 2023

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
BROMOMETHANE

Abundance Ion 94.00 (93.70 to 94.70): C22V21448.Did

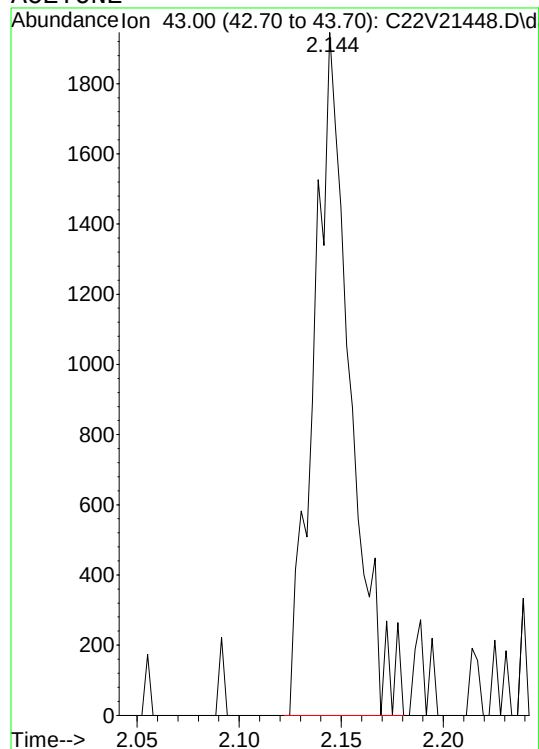


Data Path : C:\msdchem\1\data\C080223\
Data File : C22V21448.D
Acq On : 3 Aug 2023 5:51 am
Operator :
Sample : 23G3932-11
Misc :

Quant Time : Thu Aug 03 07:55:12 2023
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Fri Apr 21 09:50:20 2023

Original Integration

ACETONE



Original Int. Results

RT : 2.14
Area : 2433
Amount: 2.50624

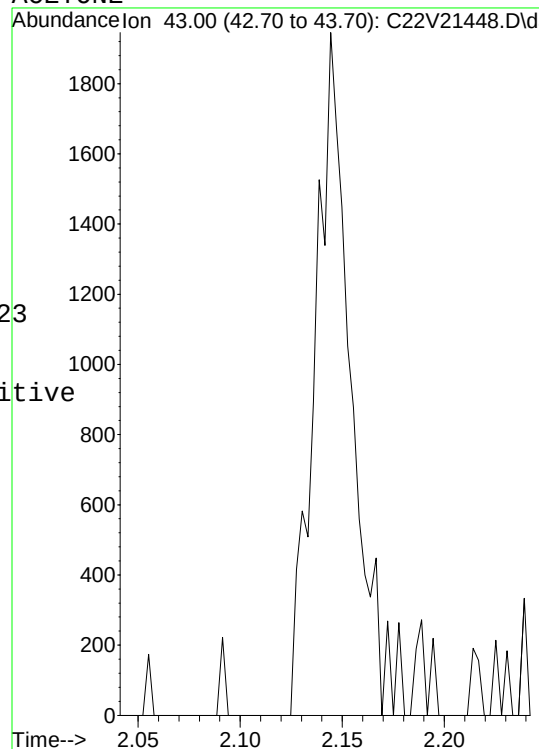
Manual Int. Results

Thu Aug 03 07:55:11 2023

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

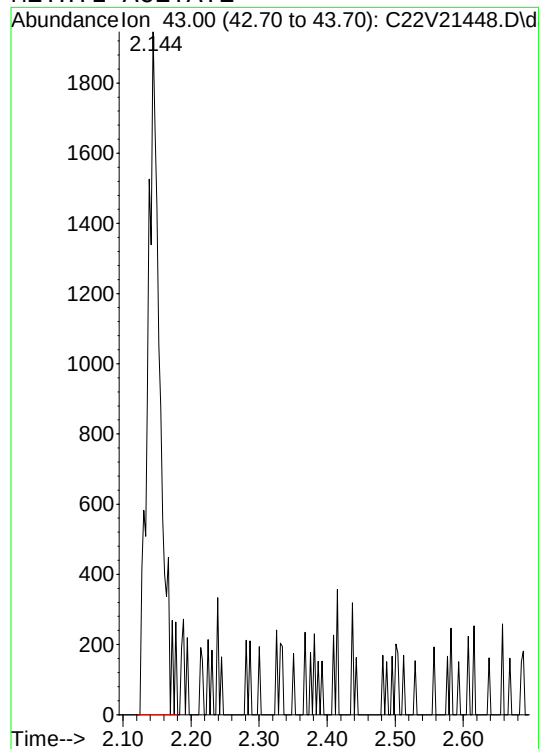
Manual Integration

ACETONE



Original Integration

METHYL ACETATE



Original Int. Results

RT : 2.14
Area : 2433
Amount: 0.643802

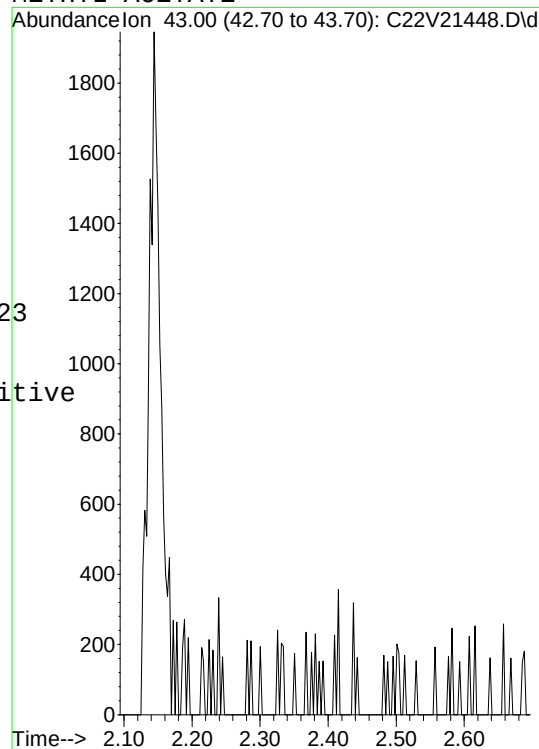
Manual Int. Results

Thu Aug 03 07:55:10 2023

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration

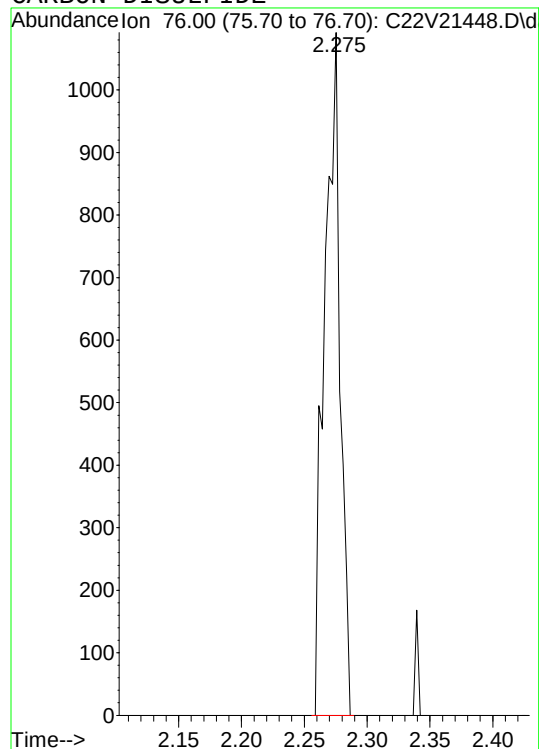
METHYL ACETATE



Data Path : C:\msdchem\1\data\C080223\
Data File : C22V21448.D
Acq On : 3 Aug 2023 5:51 am
Operator :
Sample : 23G3932-11
Misc :

Quant Time : Thu Aug 03 07:55:12 2023
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Fri Apr 21 09:50:20 2023

Original Integration
CARBON DISULFIDE



Original Int. Results

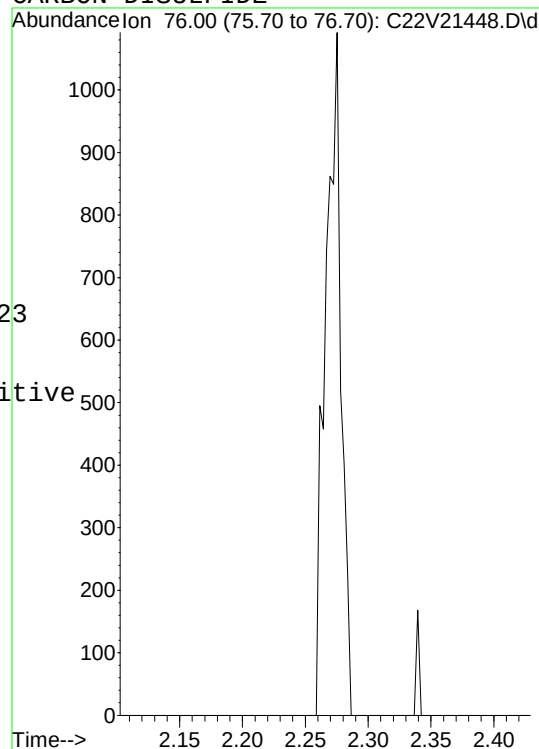
RT : 2.28
Area : 944
Amount: 0.141601

Manual Int. Results

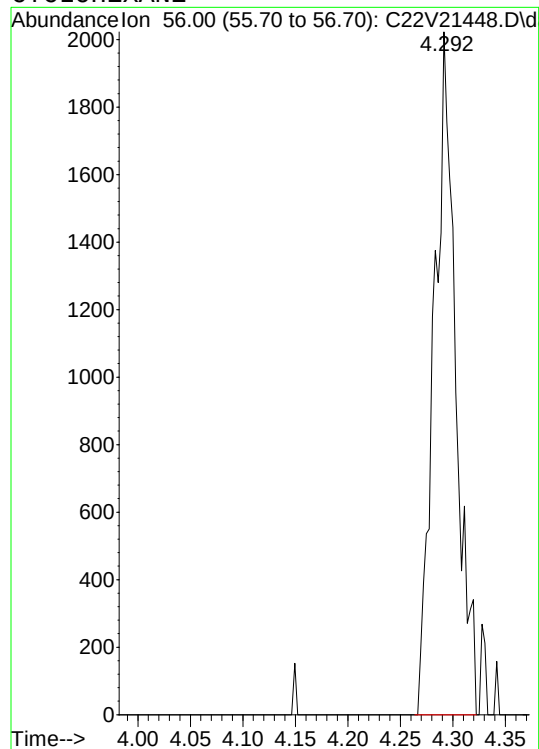
Thu Aug 03 07:55:09 2023

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CARBON DISULFIDE



Original Integration
CYCLOHEXANE



Original Int. Results

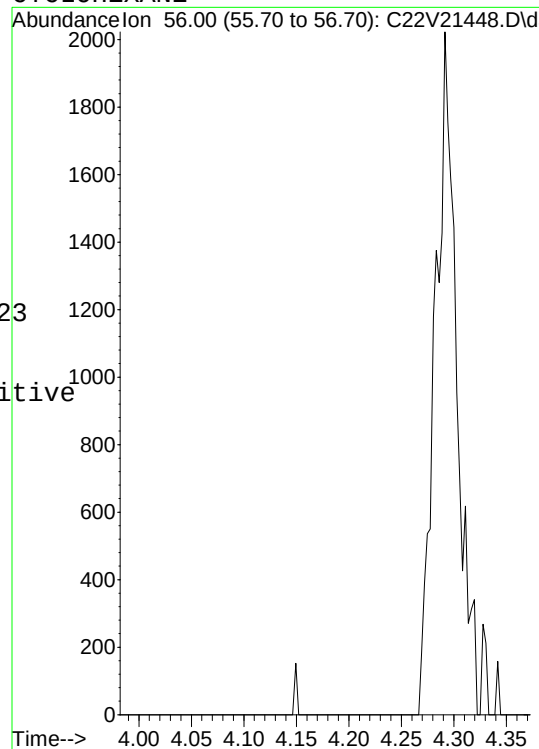
RT : 4.29
Area : 2904
Amount: 0.769358

Manual Int. Results

Thu Aug 03 07:55:08 2023

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CYCLOHEXANE



1 - FORM I

ANALYSIS DATA SHEET

147

MW-07-09

Laboratory:	Pace New England	Work Order:	23G3932
Client:	NYDEC_AECOM - Buffalo, NY	Project:	C.A.E. Electronics_CAT B - CO 147580
Matrix:	Ground Water	Laboratory ID:	23G3932-12
		File ID:	C22V21449.D
Sampled:	07/27/23 13:45	Prepared:	08/01/23 07:14
		Analyzed:	08/03/23 06:18
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B347625	Sequence:	S091452
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone		2.0	50	
71-43-2	Benzene		0.18	1.0	
74-97-5	Bromochloromethane		0.28	1.0	
75-27-4	Bromodichloromethane		0.16	0.50	
75-25-2	Bromoform		0.41	1.0	
74-83-9	Bromomethane		1.3	2.0	
78-93-3	2-Butanone (MEK)		1.7	20	
75-15-0	Carbon Disulfide		1.6	5.0	
56-23-5	Carbon Tetrachloride		0.16	5.0	V-05
108-90-7	Chlorobenzene		0.12	1.0	
124-48-1	Chlorodibromomethane		0.20	0.50	
75-00-3	Chloroethane		0.34	2.0	
67-66-3	Chloroform		0.14	2.0	
74-87-3	Chloromethane		0.50	2.0	
110-82-7	Cyclohexane		1.8	5.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.85	5.0	V-05
106-93-4	1,2-Dibromoethane (EDB)		0.16	0.50	
95-50-1	1,2-Dichlorobenzene		0.13	1.0	
541-73-1	1,3-Dichlorobenzene		0.14	1.0	
106-46-7	1,4-Dichlorobenzene		0.13	1.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.16	2.0	
75-34-3	1,1-Dichloroethane		0.14	1.0	
107-06-2	1,2-Dichloroethane		0.30	1.0	
75-35-4	1,1-Dichloroethylene		0.14	1.0	
156-59-2	cis-1,2-Dichloroethylene		0.14	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.17	1.0	
78-87-5	1,2-Dichloropropane		0.19	1.0	
10061-01-5	cis-1,3-Dichloropropene		0.16	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.14	0.50	
123-91-1	1,4-Dioxane		18	50	

1 - FORM I

ANALYSIS DATA SHEET

148

MW-07-09

Laboratory:	Pace New England	Work Order:	23G3932
Client:	NYDEC_AECOM - Buffalo, NY	Project:	C.A.E. Electronics_CAT B - CO 147580
Matrix:	Ground Water	Laboratory ID:	23G3932-12
		File ID:	C22V21449.D
Sampled:	07/27/23 13:45	Prepared:	08/01/23 07:14
		Analyzed:	08/03/23 06:18
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B347625	Sequence:	S091452
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
100-41-4	Ethylbenzene		0.22	1.0	
591-78-6	2-Hexanone (MBK)		1.2	10	
98-82-8	Isopropylbenzene (Cumene)		0.15	1.0	
79-20-9	Methyl Acetate		0.61	1.0	V-05
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.17	1.0	
108-87-2	Methyl Cyclohexane		0.16	1.0	
75-09-2	Methylene Chloride		0.18	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.3	10	
100-42-5	Styrene		0.15	1.0	
79-34-5	1,1,2,2-Tetrachloroethane		0.14	0.50	
127-18-4	Tetrachloroethylene		0.17	1.0	
108-88-3	Toluene		0.22	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.34	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.30	1.0	
71-55-6	1,1,1-Trichloroethane		0.15	1.0	
79-00-5	1,1,2-Trichloroethane		0.19	1.0	
79-01-6	Trichloroethylene		0.17	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.15	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)		0.21	1.0	
75-01-4	Vinyl Chloride		0.24	2.0	
1330-20-7	Xylenes (total)		1.0	1.0	

Data Path : C:\msdchem\1\data\C080223\
 Data File : C22V21449.D
 Acq On : 3 Aug 2023 6:18 am
 Operator :
 Sample : 23G3932-12
 Misc :
 ALS Vial : 49 Sample Multiplier: 1

Inst : GCMSVOA3

Quant Time: Aug 03 07:55:51 2023
 Quant Method : C:\msdchem\1\methods\C080822.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Fri Apr 21 09:50:20 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	4.291	168	171156	30.00	UG/L	0.00
48) 1,4-DIFLUOROBENZENE - ...	5.011	114	250054	30.00	UG/L	0.00
70) CHLOROBENZENE-D5 ISTD	7.841	82	122598	30.00	UG/L	0.00
89) 1,4-DICHLOROBENZENE-D4...	10.139	152	108496	30.00	UG/L	# 0.00
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.568	65	78948	24.58	UG/L	0.00
Spiked Amount 25.000	Range	70 - 130	Recovery	=	98.32%	
49) TOLUENE SS	6.444	98	241508	24.39	UG/L	0.00
Spiked Amount 25.000	Range	70 - 130	Recovery	=	97.56%	
71) 4-BROMOFLUOROBENZENE SS	8.999	95	76136	20.95	UG/L	0.00
Spiked Amount 25.000	Range	70 - 130	Recovery	=	83.80%	

Target Compounds	Qvalue

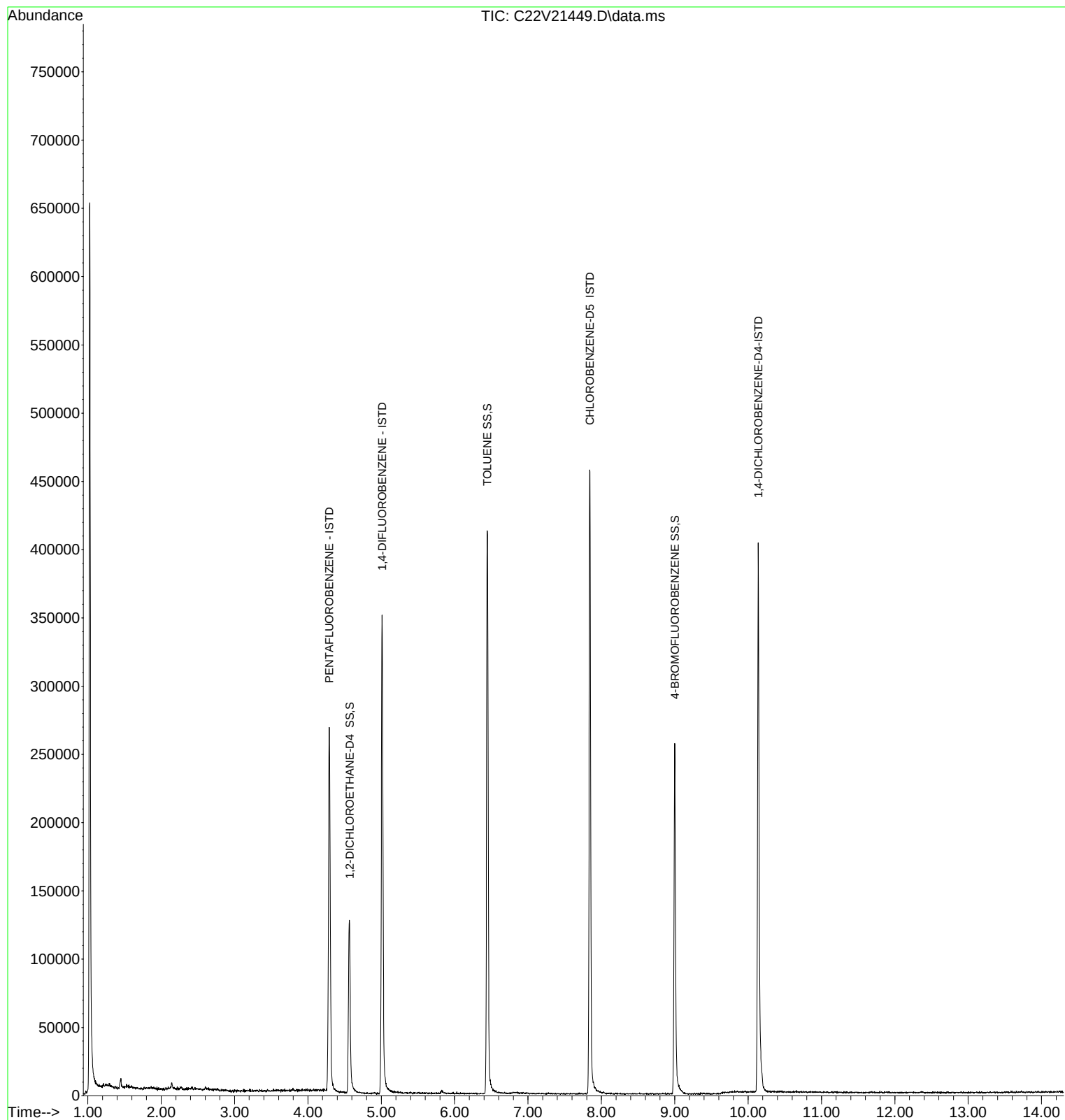
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\data\C080223\
Data File : C22V21449.D
Acq On : 3 Aug 2023 6:18 am
Operator :
Sample : 23G3932-12
Misc :
ALS Vial : 49 Sample Multiplier: 1

150

Inst : GCMSV0A3

Quant Time: Aug 03 07:55:51 2023
Quant Method : C:\msdchem\1\methods\C080822.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Fri Apr 21 09:50:20 2023
Response via : Initial Calibration

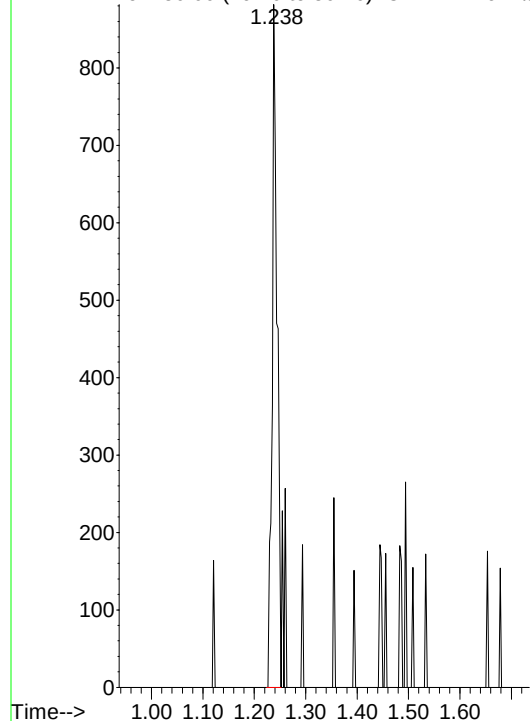


Data Path : C:\msdchem\1\data\C080223\
Data File : C22V21449.D
Acq On : 3 Aug 2023 6:18 am
Operator :
Sample : 23G3932-12
Misc :

Quant Time : Thu Aug 03 07:55:51 2023
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Fri Apr 21 09:50:20 2023

Original Integration
CHLOROMETHANE

Abundance on 50.00 (49.70 to 50.70): C22V21449.D



Original Int. Results

RT : 1.24
Area : 590
Amount: 0.145749

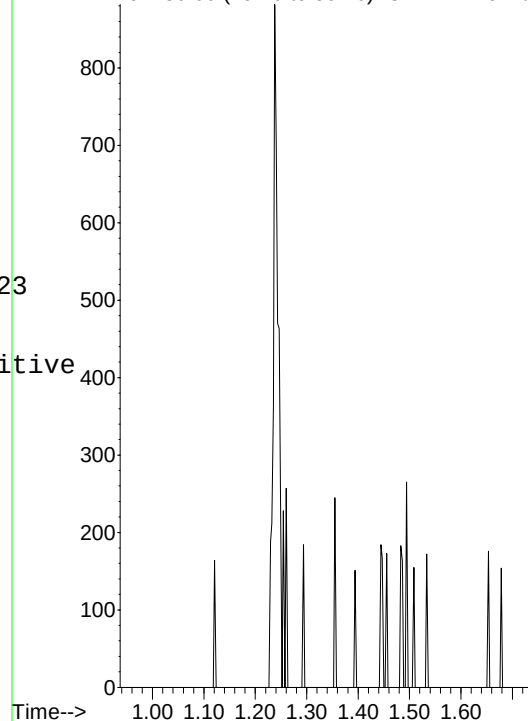
Manual Int. Results

Thu Aug 03 07:55:32 2023

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

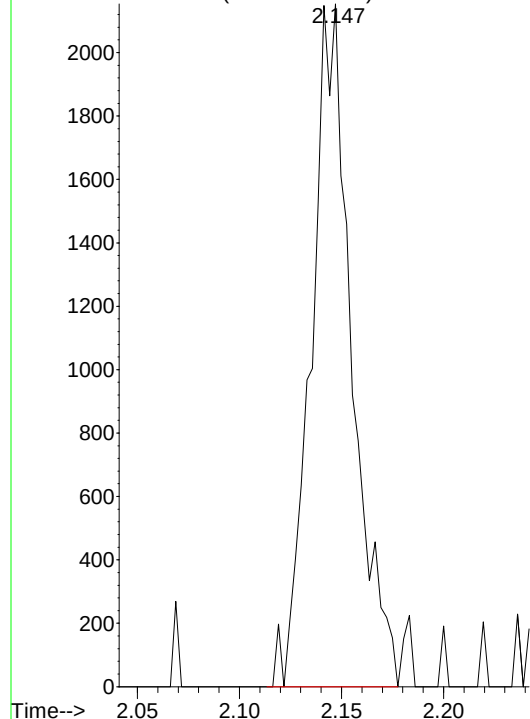
Manual Integration
CHLOROMETHANE

Abundance on 50.00 (49.70 to 50.70): C22V21449.D



Original Integration
ACETONE

Abundance on 43.00 (42.70 to 43.70): C22V21449.D



Original Int. Results

RT : 2.15
Area : 2983
Amount: 2.87138

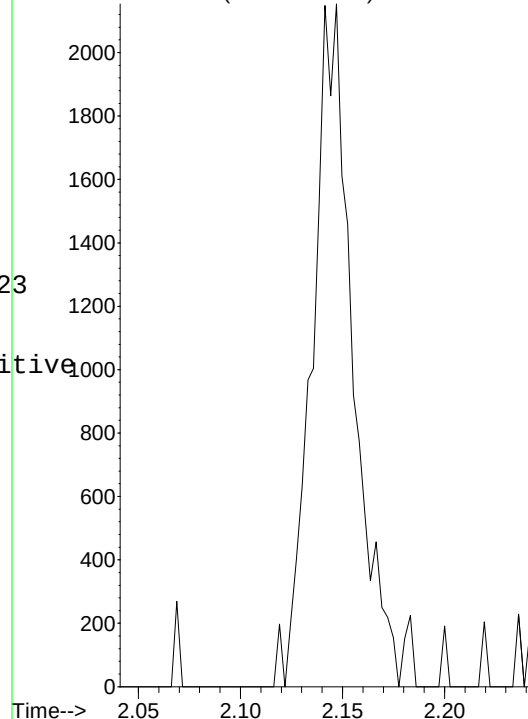
Manual Int. Results

Thu Aug 03 07:55:37 2023

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
ACETONE

Abundance on 43.00 (42.70 to 43.70): C22V21449.D

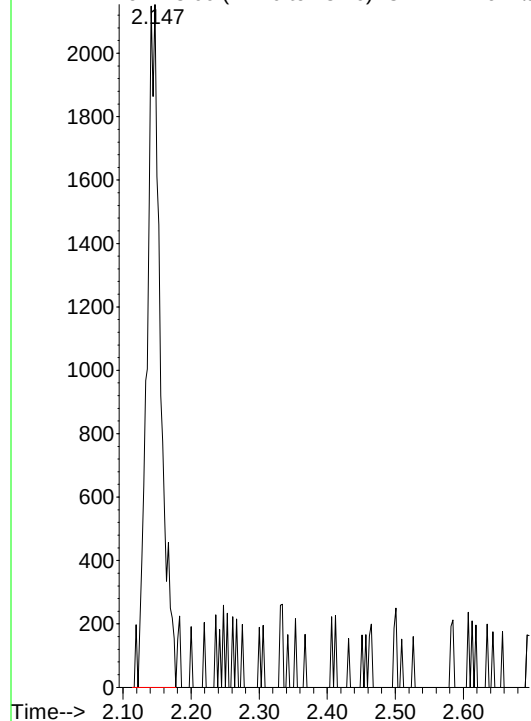


Data Path : C:\msdchem\1\data\C080223\
Data File : C22V21449.D
Acq On : 3 Aug 2023 6:18 am
Operator :
Sample : 23G3932-12
Misc :

Quant Time : Thu Aug 03 07:55:51 2023
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Fri Apr 21 09:50:20 2023

Original Integration
METHYL ACETATE

Abundance Ion 43.00 (42.70 to 43.70): C22V21449.D



Original Int. Results

RT : 2.15
Area : 2983
Amount: 0.737599

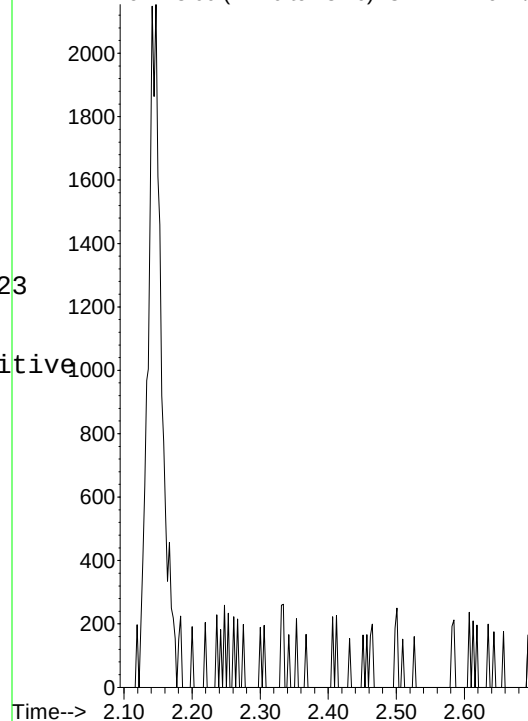
Manual Int. Results

Thu Aug 03 07:55:41 2023

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

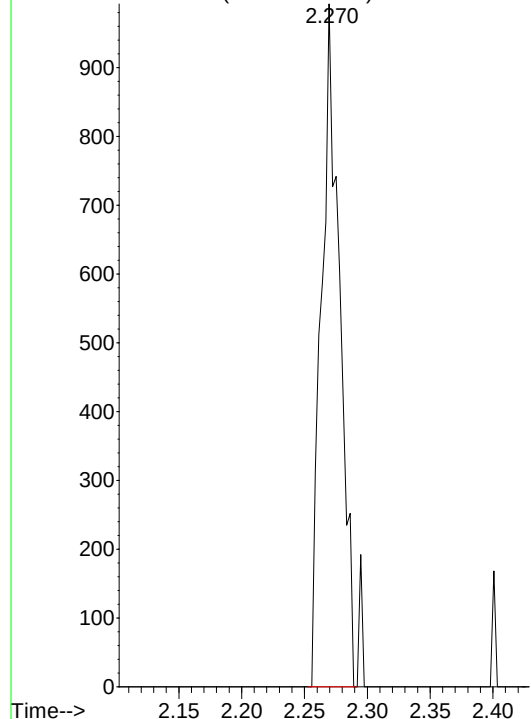
Manual Integration
METHYL ACETATE

Abundance Ion 43.00 (42.70 to 43.70): C22V21449.D



Original Integration
CARBON DISULFIDE

Abundance Ion 76.00 (75.70 to 76.70): C22V21449.D



Original Int. Results

RT : 2.27
Area : 1014
Amount: 0.142131

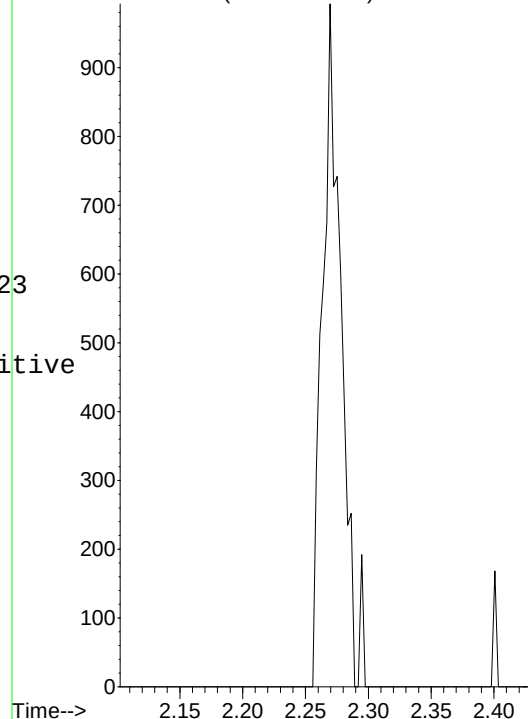
Manual Int. Results

Thu Aug 03 07:55:44 2023

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CARBON DISULFIDE

Abundance Ion 76.00 (75.70 to 76.70): C22V21449.D

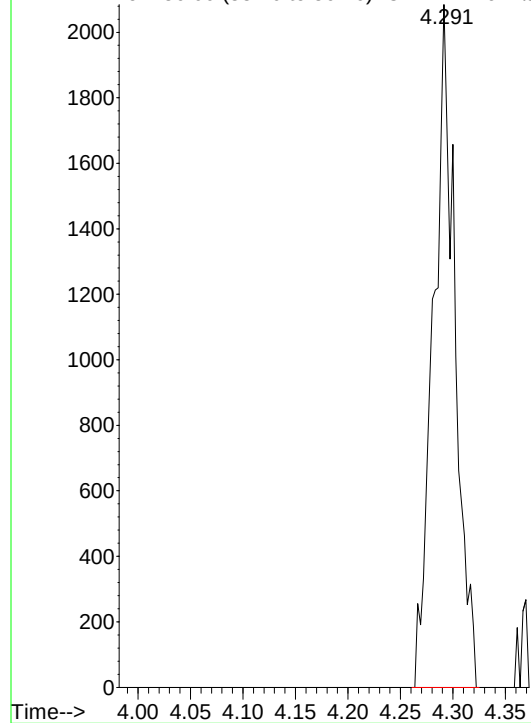


Data Path : C:\msdchem\1\data\C080223\
Data File : C22V21449.D
Acq On : 3 Aug 2023 6:18 am
Operator :
Sample : 23G3932-12
Misc :

Quant Time : Thu Aug 03 07:55:51 2023
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Fri Apr 21 09:50:20 2023

Original Integration
CYCLOHEXANE

Abundance Ion 56.00 (55.70 to 56.70): C22V21449.D



Original Int. Results

RT : 4.29
Area : 2978
Amount: 0.737247

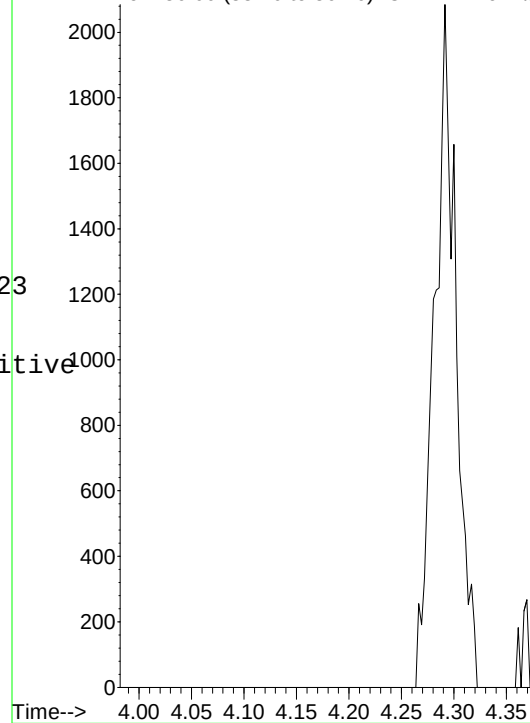
Manual Int. Results

Thu Aug 03 07:55:50 2023

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CYCLOHEXANE

Abundance Ion 56.00 (55.70 to 56.70): C22V21449.D



1 - FORM I

ANALYSIS DATA SHEET

154

MW-25

Laboratory:	Pace New England	Work Order:	23G3932	
Client:	NYDEC_AECOM - Buffalo, NY	Project:	C.A.E. Electronics_CAT B - CO 147580	
Matrix:	Ground Water	Laboratory ID:	23G3932-13	File ID: C22V21450.D
Sampled:	07/27/23 13:55	Prepared:	08/01/23 07:14	Analyzed: 08/03/23 06:45
Solids:		Preparation:	SW-846 5030B	Dilution: 1
Initial/Final:	5 mL / 5 mL			
Batch:	B347625	Sequence:	S091452	Calibration: 2200537
				Instrument: GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone		2.0	50	
71-43-2	Benzene		0.18	1.0	
74-97-5	Bromochloromethane		0.28	1.0	
75-27-4	Bromodichloromethane		0.16	0.50	
75-25-2	Bromoform		0.41	1.0	
74-83-9	Bromomethane		1.3	2.0	
78-93-3	2-Butanone (MEK)		1.7	20	
75-15-0	Carbon Disulfide		1.6	5.0	
56-23-5	Carbon Tetrachloride		0.16	5.0	V-05
108-90-7	Chlorobenzene		0.12	1.0	
124-48-1	Chlorodibromomethane		0.20	0.50	
75-00-3	Chloroethane		0.34	2.0	
67-66-3	Chloroform		0.14	2.0	
74-87-3	Chloromethane		0.50	2.0	
110-82-7	Cyclohexane		1.8	5.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.85	5.0	V-05
106-93-4	1,2-Dibromoethane (EDB)		0.16	0.50	
95-50-1	1,2-Dichlorobenzene		0.13	1.0	
541-73-1	1,3-Dichlorobenzene		0.14	1.0	
106-46-7	1,4-Dichlorobenzene		0.13	1.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.16	2.0	
75-34-3	1,1-Dichloroethane		0.14	1.0	
107-06-2	1,2-Dichloroethane		0.30	1.0	
75-35-4	1,1-Dichloroethylene		0.14	1.0	
156-59-2	cis-1,2-Dichloroethylene		0.14	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.17	1.0	
78-87-5	1,2-Dichloropropane		0.19	1.0	
10061-01-5	cis-1,3-Dichloropropene		0.16	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.14	0.50	
123-91-1	1,4-Dioxane		18	50	

1 - FORM I

ANALYSIS DATA SHEET

155

MW-25

Laboratory:	Pace New England	Work Order:	23G3932
Client:	NYDEC_AECOM - Buffalo, NY	Project:	C.A.E. Electronics_CAT B - CO 147580
Matrix:	Ground Water	Laboratory ID:	23G3932-13
		File ID:	C22V21450.D
Sampled:	07/27/23 13:55	Prepared:	08/01/23 07:14
		Analyzed:	08/03/23 06:45
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B347625	Sequence:	S091452
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
100-41-4	Ethylbenzene		0.22	1.0	
591-78-6	2-Hexanone (MBK)		1.2	10	
98-82-8	Isopropylbenzene (Cumene)		0.15	1.0	
79-20-9	Methyl Acetate		0.61	1.0	V-05
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.17	1.0	
108-87-2	Methyl Cyclohexane		0.16	1.0	
75-09-2	Methylene Chloride		0.18	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.3	10	
100-42-5	Styrene		0.15	1.0	
79-34-5	1,1,2,2-Tetrachloroethane		0.14	0.50	
127-18-4	Tetrachloroethylene		0.17	1.0	
108-88-3	Toluene		0.22	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.34	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.30	1.0	
71-55-6	1,1,1-Trichloroethane	0.25	0.15	1.0	J
79-00-5	1,1,2-Trichloroethane		0.19	1.0	
79-01-6	Trichloroethylene	0.75	0.17	1.0	J
75-69-4	Trichlorofluoromethane (Freon 11)		0.15	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)		0.21	1.0	
75-01-4	Vinyl Chloride		0.24	2.0	
1330-20-7	Xylenes (total)		1.0	1.0	

Data Path : C:\msdchem\1\data\C080223\
 Data File : C22V21450.D
 Acq On : 3 Aug 2023 6:45 am
 Operator :
 Sample : 23G3932-13
 Misc :
 ALS Vial : 50 Sample Multiplier: 1

Inst : GCMSVOA3

Quant Time: Aug 03 07:59:43 2023
 Quant Method : C:\msdchem\1\methods\C080822.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Fri Apr 21 09:50:20 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	4.291	168	159083	30.00	UG/L	0.00
48) 1,4-DIFLUOROBENZENE - ...	5.011	114	238578	30.00	UG/L	0.00
70) CHLOROBENZENE-D5 ISTD	7.841	82	118089	30.00	UG/L	0.00
89) 1,4-DICHLOROBENZENE-D4...	10.136	152	105846	30.00	UG/L	# 0.00
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.562	65	77485	25.96	UG/L	0.00
Spiked Amount 25.000	Range	70 - 130	Recovery	=	103.84%	
49) TOLUENE SS	6.444	98	235427	24.92	UG/L	0.00
Spiked Amount 25.000	Range	70 - 130	Recovery	=	99.68%	
71) 4-BROMOFLUOROBENZENE SS	8.999	95	73673	21.04	UG/L	0.00
Spiked Amount 25.000	Range	70 - 130	Recovery	=	84.16%	
Target Compounds						
41) 1,1,1-TRICHLOROETHANE	4.244	97	825	0.25	UG/L	# 1
51) TRICHLOROETHENE	5.245	95	1656	0.75	UG/L	# 67

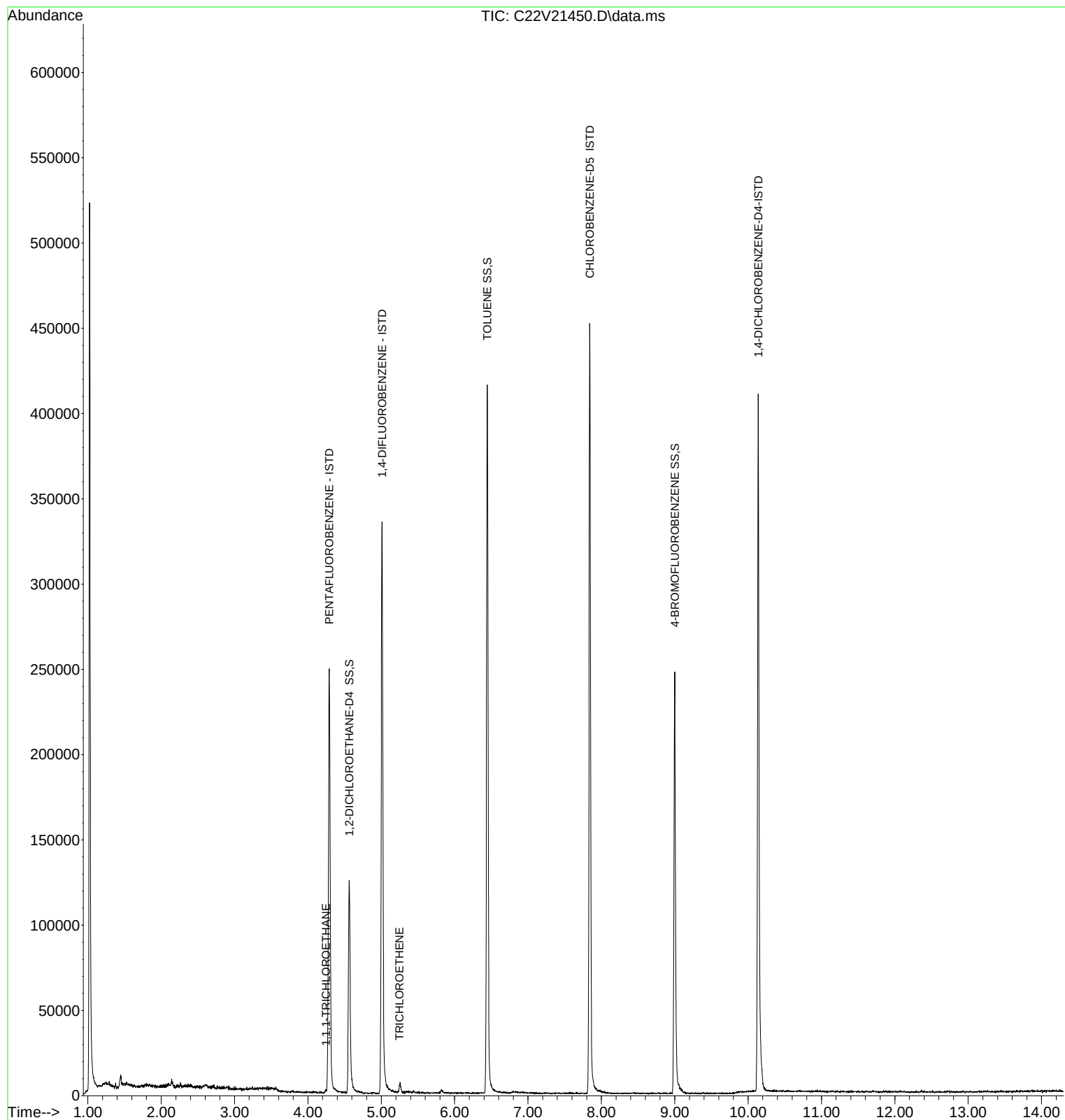
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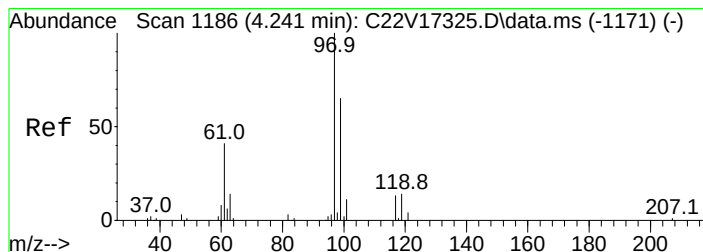
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Data File : C22V21450.D
Acq On : 3 Aug 2023 6:45 am
Operator :
Sample : 23G3932-13
Misc :
ALS Vial : 50 Sample Multiplier: 1

157

Inst : GCMSV0A3

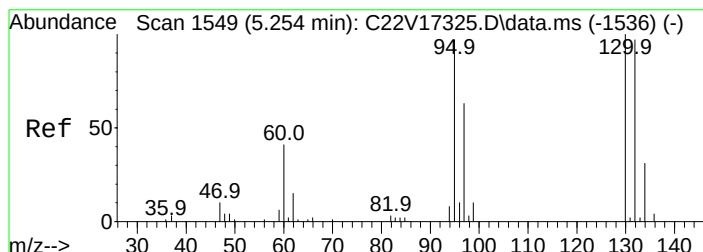
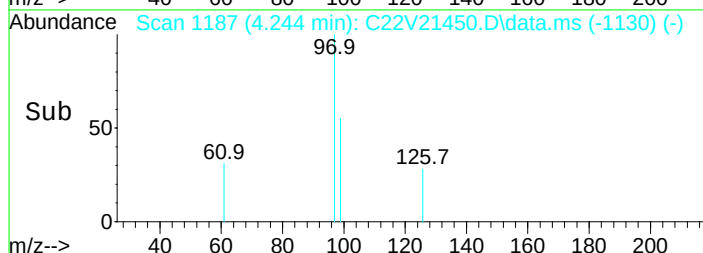
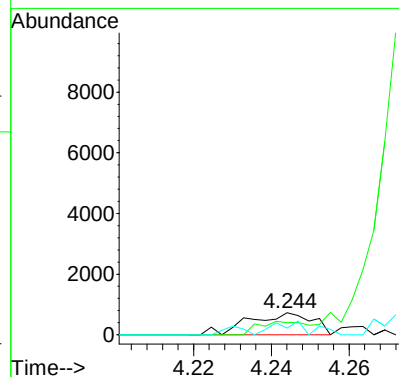
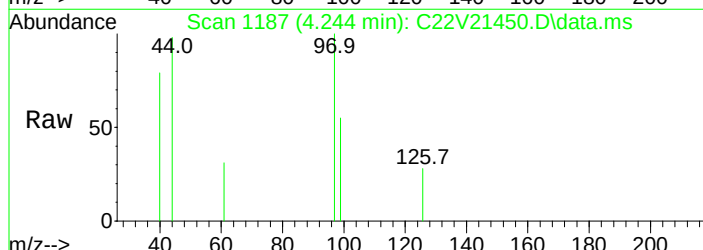
Quant Time: Aug 03 07:59:43 2023
Quant Method : C:\msdchem\1\methods\C080822.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Fri Apr 21 09:50:20 2023
Response via : Initial Calibration





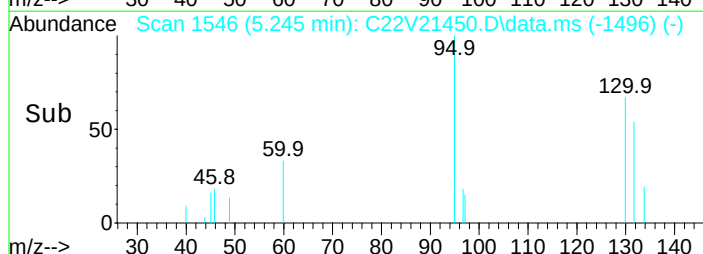
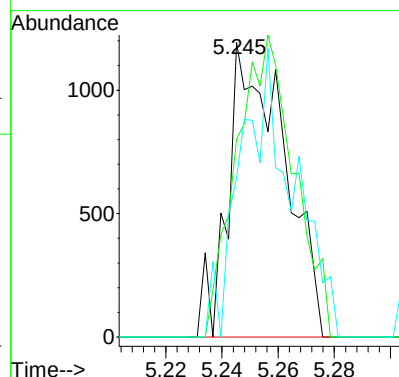
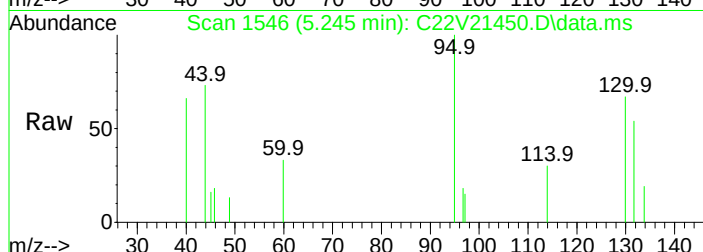
#41
 1,1,1-TRICHLOROETHANE
 Concen: 0.25 UG/L
 RT: 4.244 min Scan# 1187
 Delta R.T. -0.003 min
 Lab File: C22V21450.D
 Acq: 3 Aug 2023 6:45 am

Tgt Ion: 97 Resp: 825
 Ion Ratio Lower Upper
 97 100
 99 9236.8 52.7 79.1#
 61 434.4 33.4 50.2#



#51
 TRICHLOROETHENE
 Concen: 0.75 UG/L
 RT: 5.245 min Scan# 1546
 Delta R.T. -0.011 min
 Lab File: C22V21450.D
 Acq: 3 Aug 2023 6:45 am

Tgt Ion: 95 Resp: 1656
 Ion Ratio Lower Upper
 95 100
 130 105.4 85.7 128.5
 132 39.5 84.7 127.1#

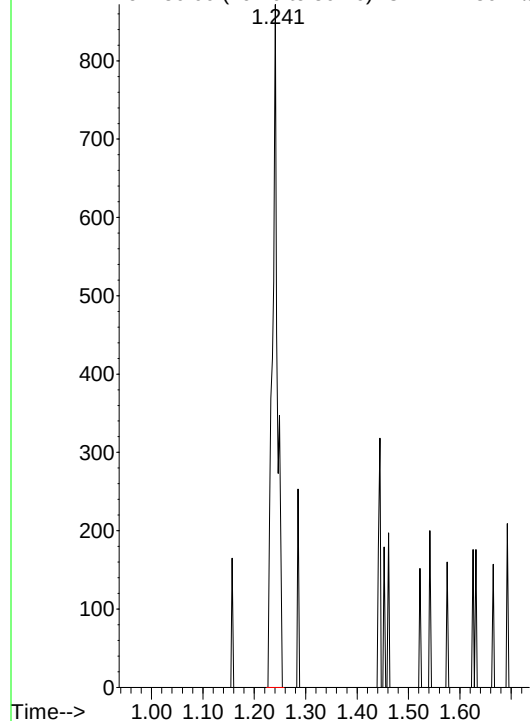


Data Path : C:\msdchem\1\data\C080223\
Data File : C22V21450.D
Acq On : 3 Aug 2023 6:45 am
Operator :
Sample : 23G3932-13
Misc :

Quant Time : Thu Aug 03 07:59:43 2023
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Fri Apr 21 09:50:20 2023

Original Integration
CHLOROMETHANE

Abundance on 50.00 (49.70 to 50.70): C22V21450.D



Original Int. Results

RT : 1.24
Area : 607
Amount: 0.161328

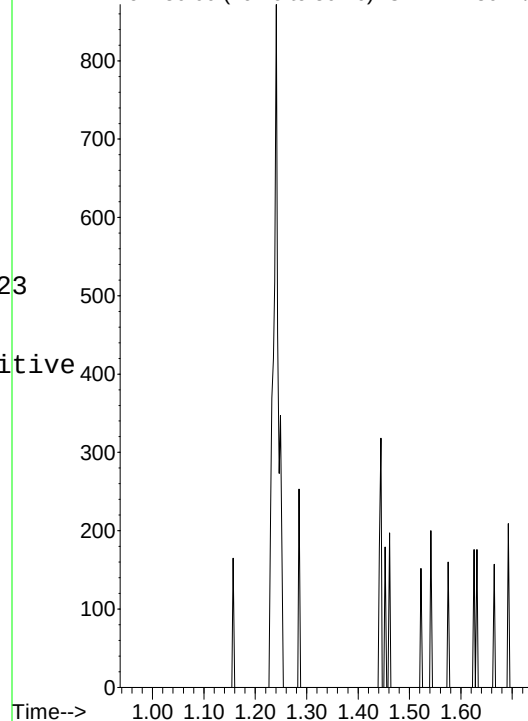
Manual Int. Results

Thu Aug 03 07:56:10 2023

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

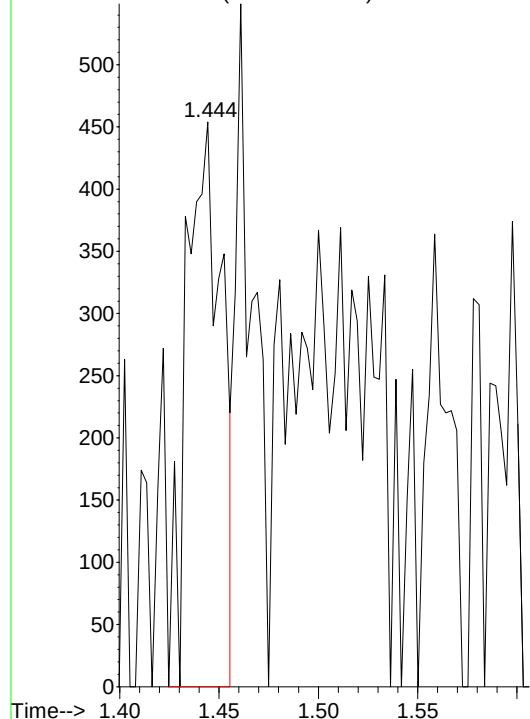
Manual Integration
CHLOROMETHANE

Abundance on 50.00 (49.70 to 50.70): C22V21450.D



Original Integration
BROMOMETHANE

Abundance on 94.00 (93.70 to 94.70): C22V21450.D



Original Int. Results

RT : 1.44
Area : 558
Amount: 0.341694

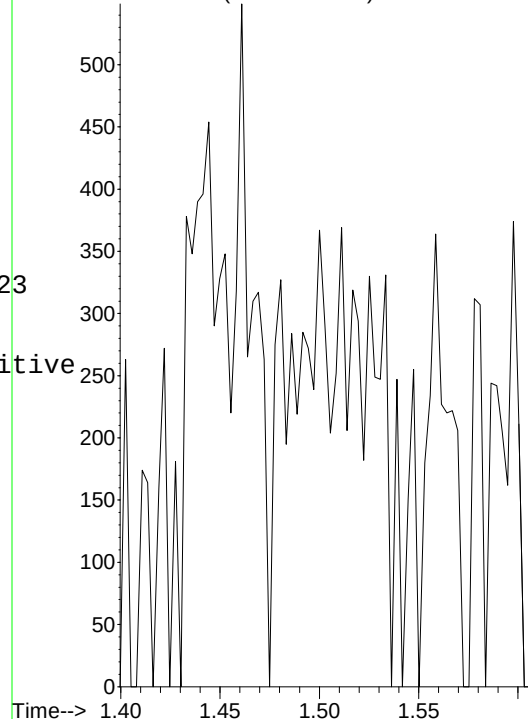
Manual Int. Results

Thu Aug 03 07:56:21 2023

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
BROMOMETHANE

Abundance on 94.00 (93.70 to 94.70): C22V21450.D

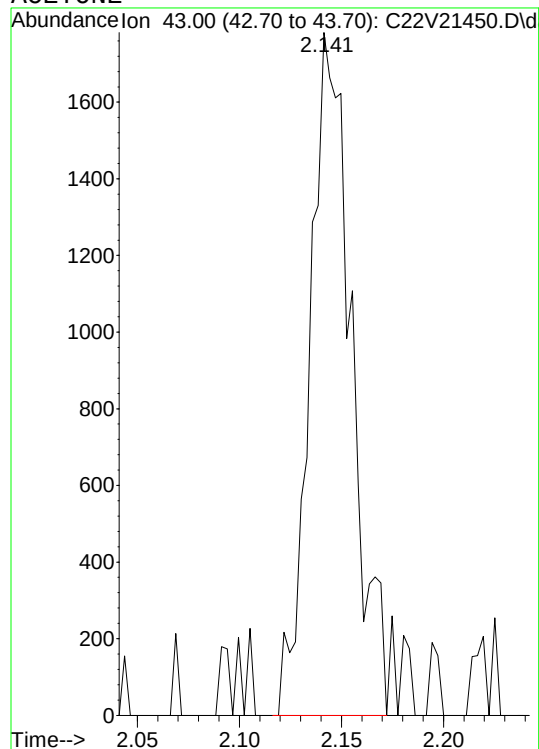


Data Path : C:\msdchem\1\data\C080223\
Data File : C22V21450.D
Acq On : 3 Aug 2023 6:45 am
Operator :
Sample : 23G3932-13
Misc :

Quant Time : Thu Aug 03 07:59:43 2023
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Fri Apr 21 09:50:20 2023

Original Integration

ACETONE



Original Int. Results

RT : 2.14
Area : 2526
Amount: 2.61601

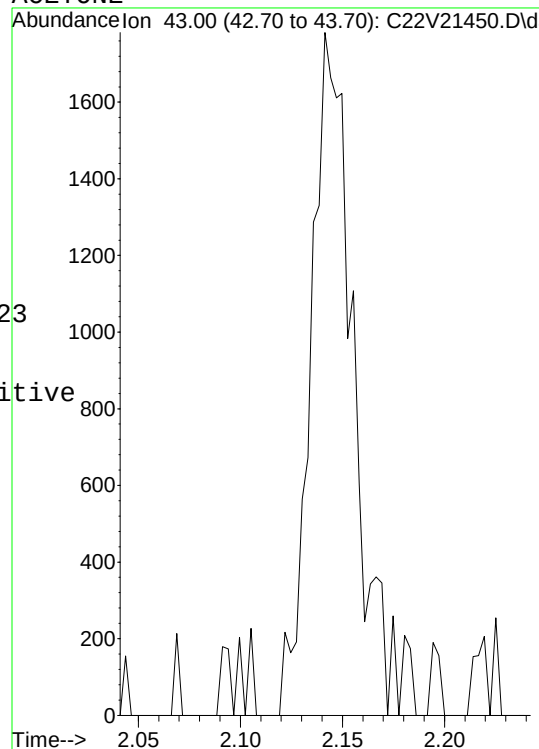
Manual Int. Results

Thu Aug 03 07:59:30 2023

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

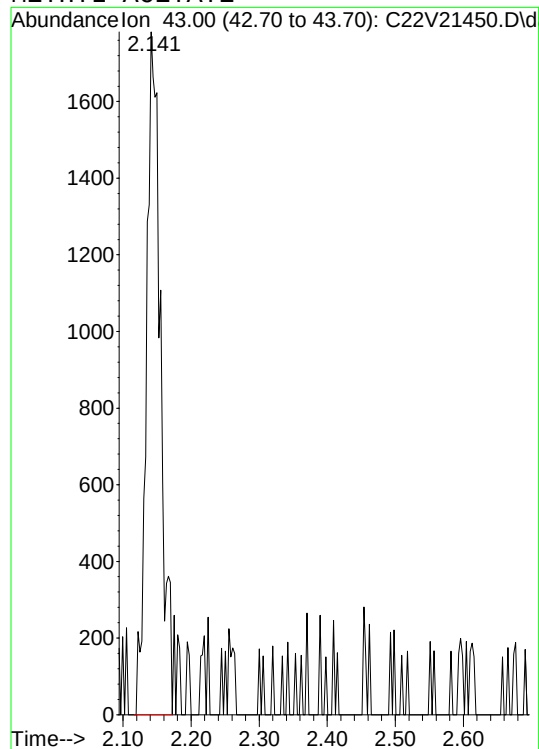
Manual Integration

ACETONE



Original Integration

METHYL ACETATE



Original Int. Results

RT : 2.14
Area : 2526
Amount: 0.671999

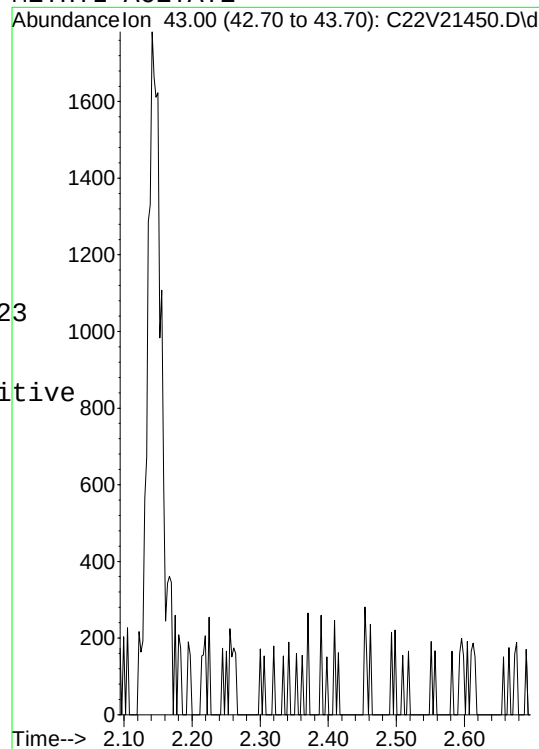
Manual Int. Results

Thu Aug 03 07:59:34 2023

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration

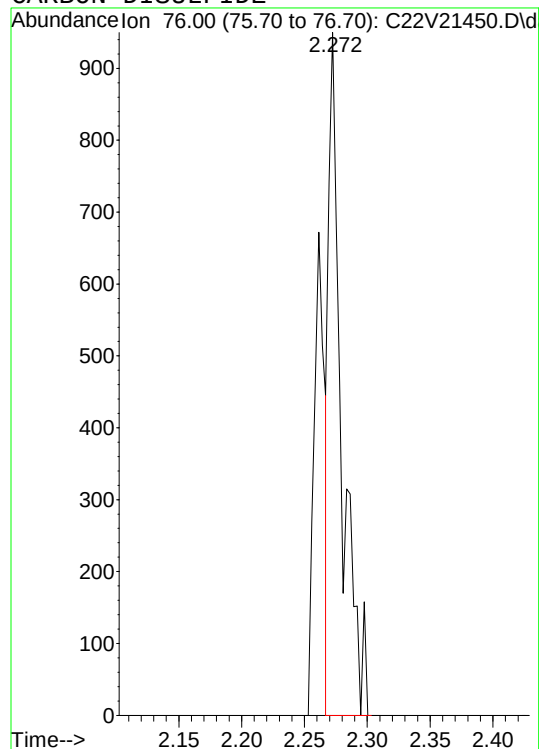
METHYL ACETATE



Data Path : C:\msdchem\1\data\C080223\
Data File : C22V21450.D
Acq On : 3 Aug 2023 6:45 am
Operator :
Sample : 23G3932-13
Misc :

Quant Time : Thu Aug 03 07:59:43 2023
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Fri Apr 21 09:50:20 2023

Original Integration
CARBON DISULFIDE



Original Int. Results

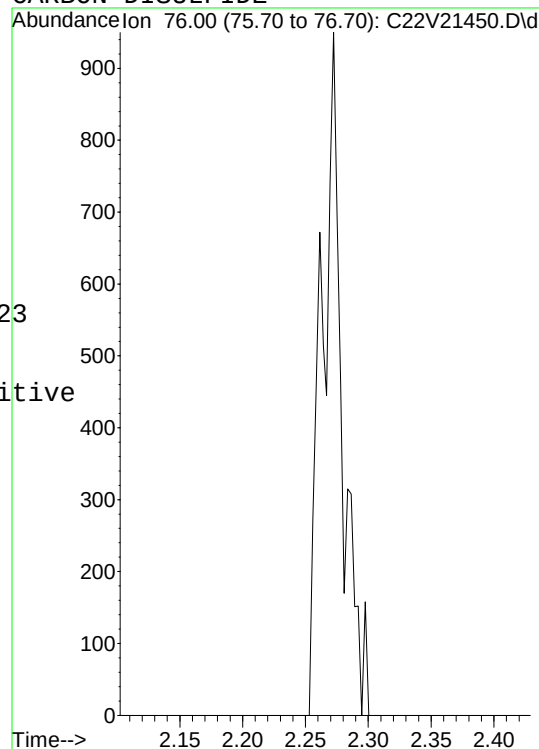
RT : 2.27
Area : 686
Amount: 0.103453

Manual Int. Results

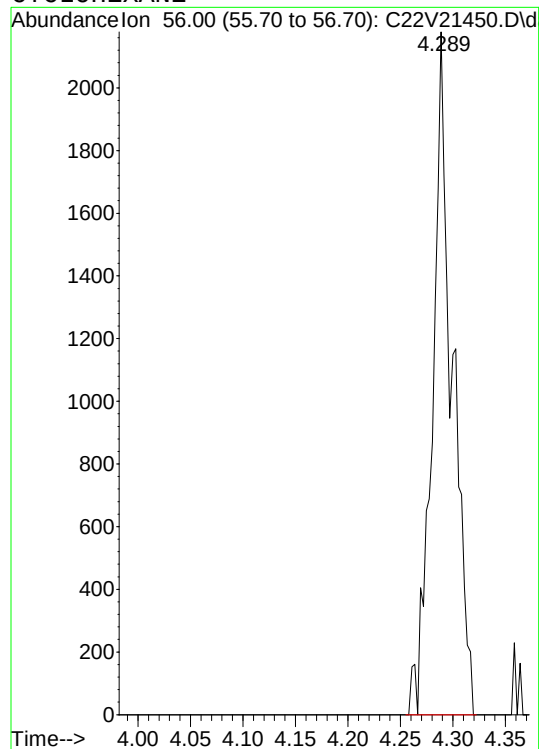
Thu Aug 03 07:59:37 2023

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CARBON DISULFIDE



Original Integration
CYCLOHEXANE



Original Int. Results

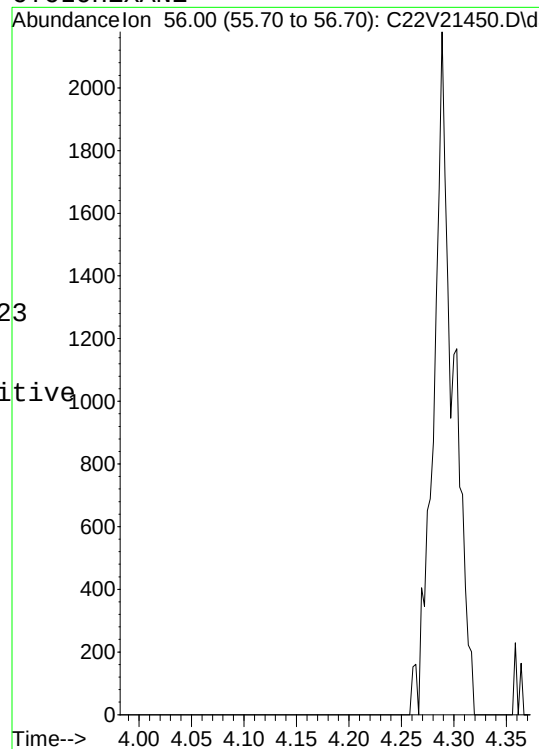
RT : 4.29
Area : 2858
Amount: 0.761236

Manual Int. Results

Thu Aug 03 07:59:42 2023

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CYCLOHEXANE



1 - FORM I

ANALYSIS DATA SHEET

162

NW-06

Laboratory:	Pace New England	Work Order:	23G3932
Client:	NYDEC_AECOM - Buffalo, NY	Project:	C.A.E. Electronics_CAT B - CO 147580
Matrix:	Ground Water	Laboratory ID:	23G3932-14
		File ID:	C22V21451.D
Sampled:	07/27/23 14:05	Prepared:	08/01/23 07:14
		Analyzed:	08/03/23 07:11
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B347625	Sequence:	S091452
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone		2.0	50	
71-43-2	Benzene		0.18	1.0	
74-97-5	Bromochloromethane		0.28	1.0	
75-27-4	Bromodichloromethane		0.16	0.50	
75-25-2	Bromoform		0.41	1.0	
74-83-9	Bromomethane		1.3	2.0	
78-93-3	2-Butanone (MEK)		1.7	20	
75-15-0	Carbon Disulfide		1.6	5.0	
56-23-5	Carbon Tetrachloride		0.16	5.0	V-05
108-90-7	Chlorobenzene		0.12	1.0	
124-48-1	Chlorodibromomethane		0.20	0.50	
75-00-3	Chloroethane		0.34	2.0	
67-66-3	Chloroform		0.14	2.0	
74-87-3	Chloromethane		0.50	2.0	
110-82-7	Cyclohexane		1.8	5.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.85	5.0	V-05
106-93-4	1,2-Dibromoethane (EDB)		0.16	0.50	
95-50-1	1,2-Dichlorobenzene		0.13	1.0	
541-73-1	1,3-Dichlorobenzene		0.14	1.0	
106-46-7	1,4-Dichlorobenzene		0.13	1.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.16	2.0	
75-34-3	1,1-Dichloroethane		0.14	1.0	
107-06-2	1,2-Dichloroethane		0.30	1.0	
75-35-4	1,1-Dichloroethylene		0.14	1.0	
156-59-2	cis-1,2-Dichloroethylene		0.14	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.17	1.0	
78-87-5	1,2-Dichloropropane		0.19	1.0	
10061-01-5	cis-1,3-Dichloropropene		0.16	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.14	0.50	
123-91-1	1,4-Dioxane		18	50	

1 - FORM I

ANALYSIS DATA SHEET

163

NW-06

Laboratory:	Pace New England	Work Order:	23G3932
Client:	NYDEC_AECOM - Buffalo, NY	Project:	C.A.E. Electronics_CAT B - CO 147580
Matrix:	Ground Water	Laboratory ID:	23G3932-14
		File ID:	C22V21451.D
Sampled:	07/27/23 14:05	Prepared:	08/01/23 07:14
		Analyzed:	08/03/23 07:11
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B347625	Sequence:	S091452
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
100-41-4	Ethylbenzene		0.22	1.0	
591-78-6	2-Hexanone (MBK)		1.2	10	
98-82-8	Isopropylbenzene (Cumene)		0.15	1.0	
79-20-9	Methyl Acetate		0.61	1.0	V-05
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.17	1.0	
108-87-2	Methyl Cyclohexane		0.16	1.0	
75-09-2	Methylene Chloride		0.18	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.3	10	
100-42-5	Styrene		0.15	1.0	
79-34-5	1,1,2,2-Tetrachloroethane		0.14	0.50	
127-18-4	Tetrachloroethylene		0.17	1.0	
108-88-3	Toluene		0.22	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.34	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.30	1.0	
71-55-6	1,1,1-Trichloroethane	0.54	0.15	1.0	J
79-00-5	1,1,2-Trichloroethane		0.19	1.0	
79-01-6	Trichloroethylene	0.47	0.17	1.0	J
75-69-4	Trichlorofluoromethane (Freon 11)		0.15	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.93	0.21	1.0	J
75-01-4	Vinyl Chloride		0.24	2.0	
1330-20-7	Xylenes (total)		1.0	1.0	

Data Path : C:\msdchem\1\data\C080223\
 Data File : C22V21451.D
 Acq On : 3 Aug 2023 7:11 am
 Operator :
 Sample : 23G3932-14
 Misc :
 ALS Vial : 51 Sample Multiplier: 1

Inst : GCMSVOA3

Quant Time: Aug 03 08:00:40 2023
 Quant Method : C:\msdchem\1\methods\C080822.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Fri Apr 21 09:50:20 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	4.292	168	161056	30.00	UG/L	0.00
48) 1,4-DIFLUOROBENZENE - ...	5.008	114	243078	30.00	UG/L	0.00
70) CHLOROBENZENE-D5 ISTD	7.839	82	121850	30.00	UG/L	0.00
89) 1,4-DICHLOROBENZENE-D4...	10.139	152	107897	30.00	UG/L	# 0.00
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.565	65	78763	26.06	UG/L	0.00
Spiked Amount 25.000	Range	70 - 130	Recovery	=	104.24%	
49) TOLUENE SS	6.444	98	243145	25.26	UG/L	0.00
Spiked Amount 25.000	Range	70 - 130	Recovery	=	101.04%	
71) 4-BROMOFLUOROBENZENE SS	8.999	95	77754	21.52	UG/L	0.00
Spiked Amount 25.000	Range	70 - 130	Recovery	=	86.08%	
Target Compounds						
16) 1,1,2-TRICL-1,2,2-TRIF...	2.091	101	1876	0.93	UG/L	Qvalue 91
41) 1,1,1-TRICHLOROETHANE	4.241	97	1846	0.54	UG/L	# 83
51) TRICHLOROETHENE	5.259	95	1055	0.47	UG/L	# 1

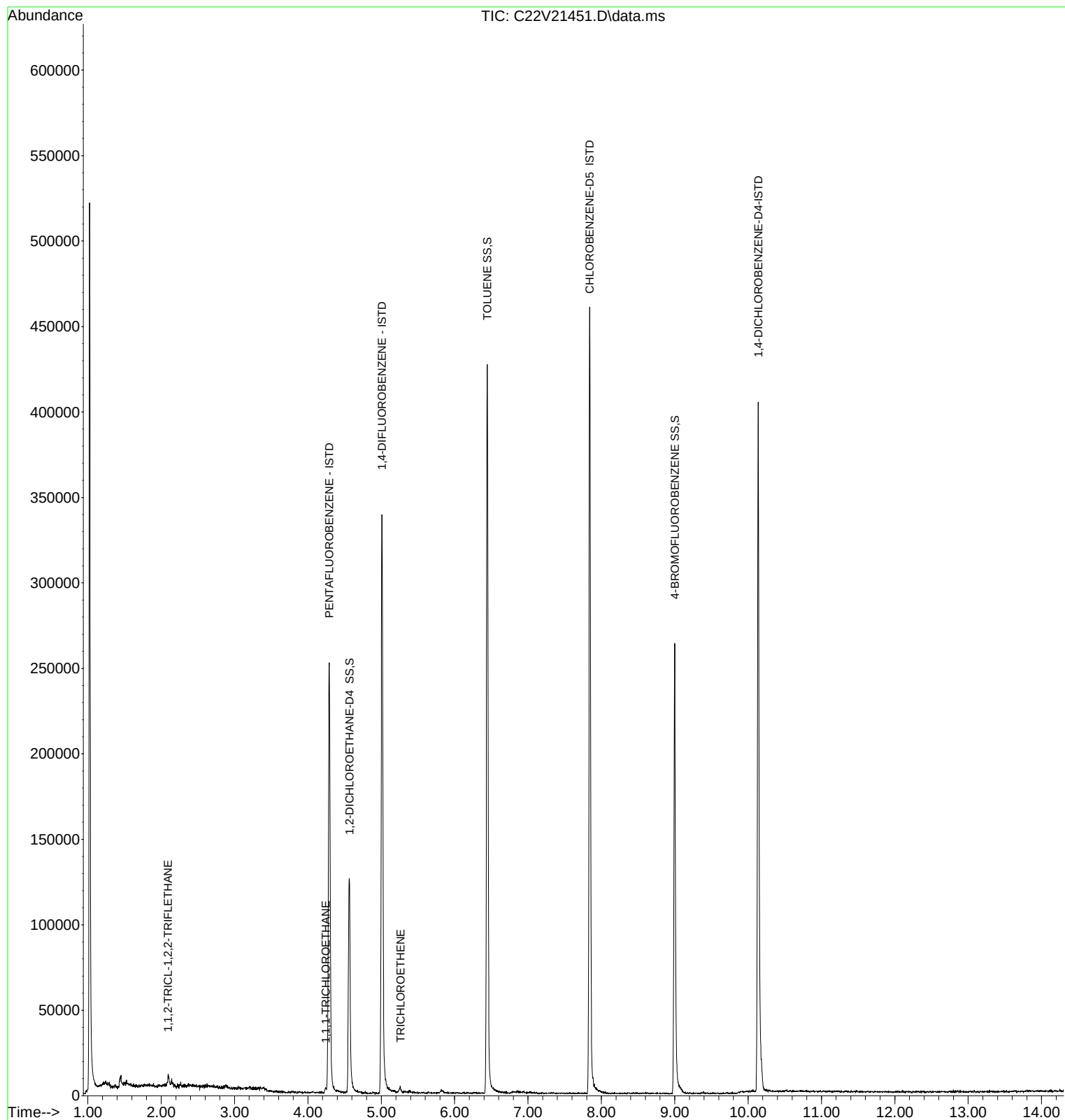
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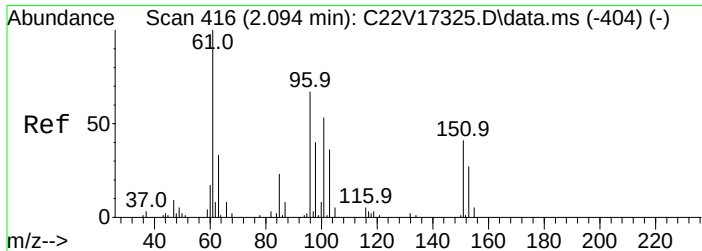
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Data File : C22V21451.D
Acq On : 3 Aug 2023 7:11 am
Operator :
Sample : 23G3932-14
Misc :
ALS Vial : 51 Sample Multiplier: 1

165

Inst : GCMSV0A3

Quant Time: Aug 03 08:00:40 2023
Quant Method : C:\msdchem\1\methods\C080822.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Fri Apr 21 09:50:20 2023
Response via : Initial Calibration

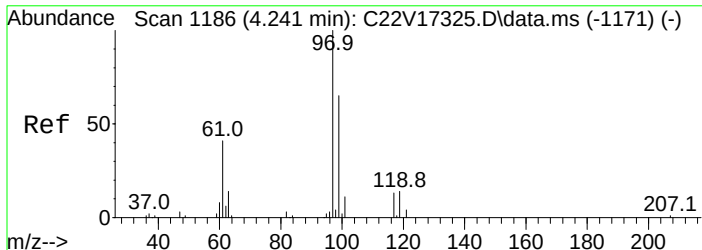
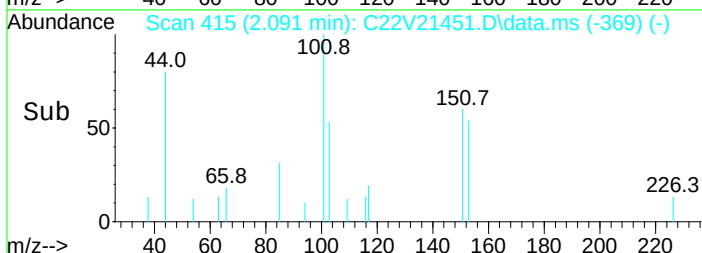
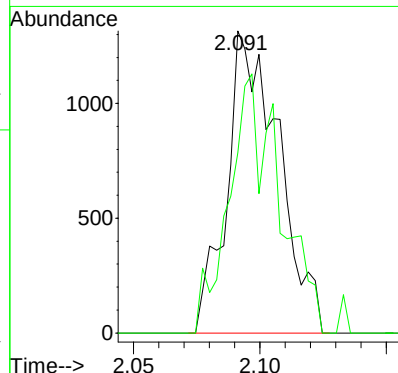
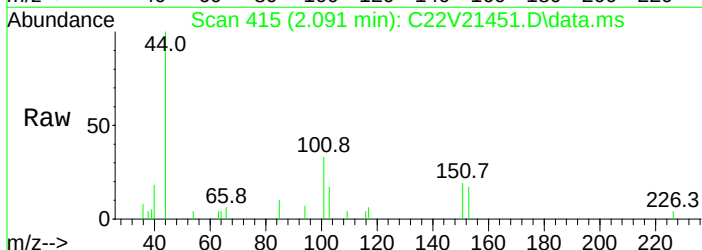




#16
1,1,2-TRICL-1,2,2-TRIFLETHANE
Concen: 0.93 UG/L
RT: 2.091 min Scan# 415
Delta R.T. -0.003 min
Lab File: C22V21451.D
Acq: 3 Aug 2023 7:11 am

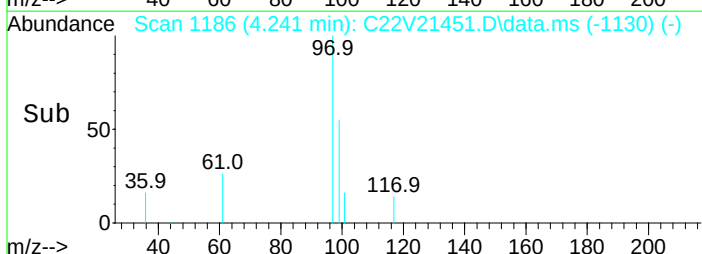
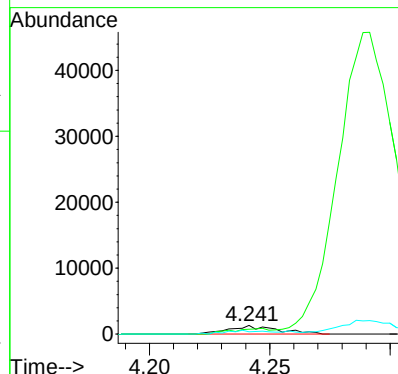
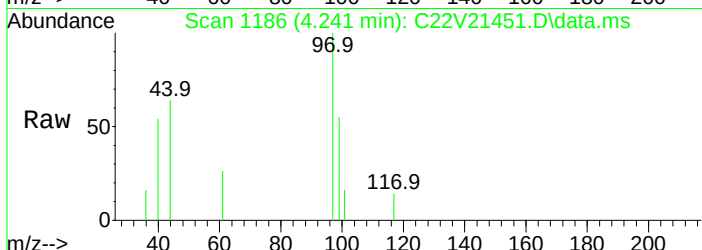
166

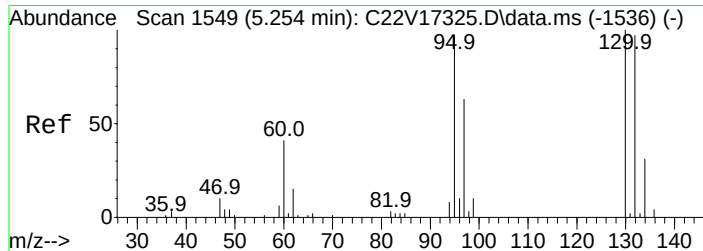
Tgt Ion:101 Resp: 1876
Ion Ratio Lower Upper
101 100
151 83.7 73.8 110.8



#41
1,1,1-TRICHLOROETHANE
Concen: 0.54 UG/L
RT: 4.241 min Scan# 1186
Delta R.T. -0.006 min
Lab File: C22V21451.D
Acq: 3 Aug 2023 7:11 am

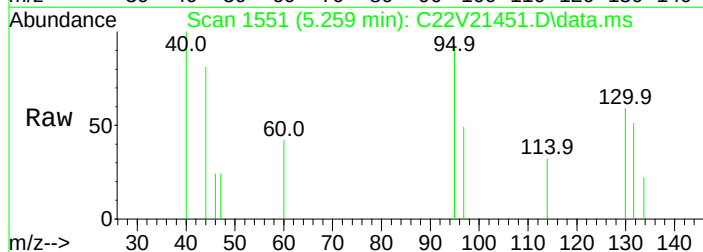
Tgt Ion: 97 Resp: 1846
Ion Ratio Lower Upper
97 100
99 49.8 52.7 79.1#
61 34.6 33.4 50.2



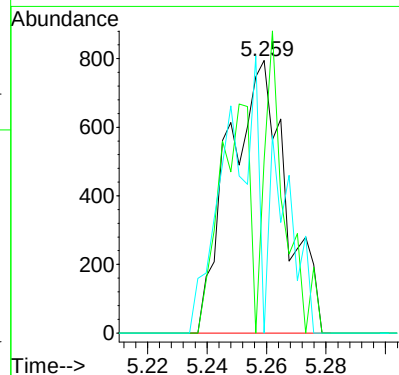
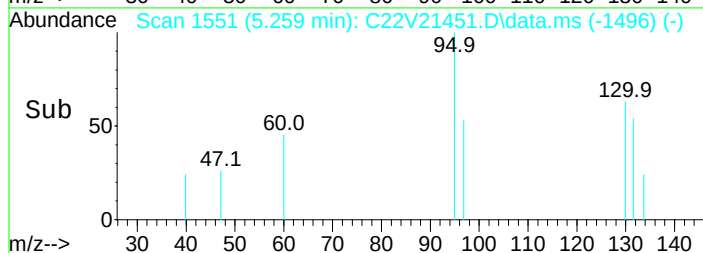


#51
 TRICHLOROETHENE
 Concen: 0.47 UG/L
 RT: 5.259 min Scan# 1551
 Delta R.T. 0.003 min
 Lab File: C22V21451.D
 Acq: 3 Aug 2023 7:11 am

167



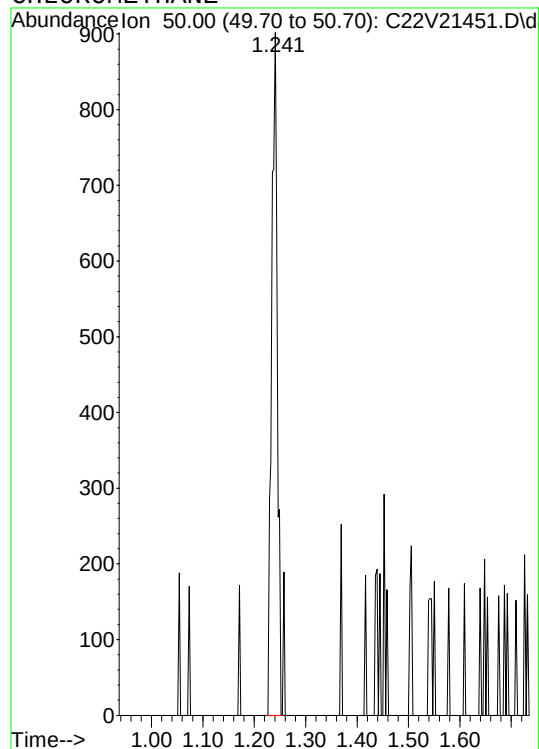
Tgt Ion:	95	Resp:	1055
Ion Ratio	Lower	Upper	
95	100		
130	0.0	85.7	128.5#
132	0.0	84.7	127.1#



Data Path : C:\msdchem\1\data\C080223\
Data File : C22V21451.D
Acq On : 3 Aug 2023 7:11 am
Operator :
Sample : 23G3932-14
Misc :

Quant Time : Thu Aug 03 08:00:40 2023
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Fri Apr 21 09:50:20 2023

Original Integration
CHLOROMETHANE



Original Int. Results

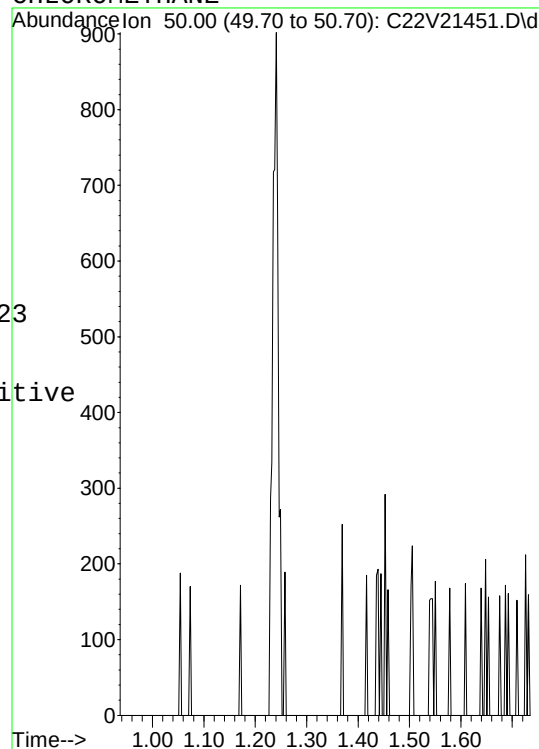
RT : 1.24
Area : 696
Amount: 0.182716

Manual Int. Results

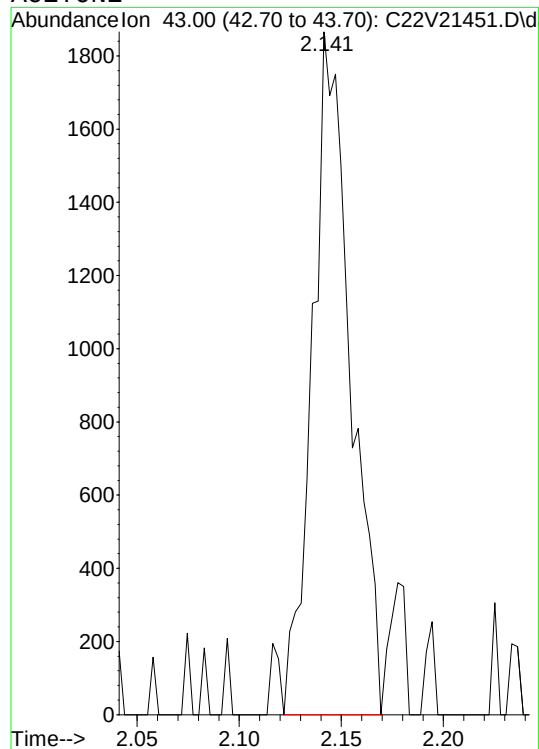
Thu Aug 03 08:00:27 2023

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CHLOROMETHANE



Original Integration
ACETONE



Original Int. Results

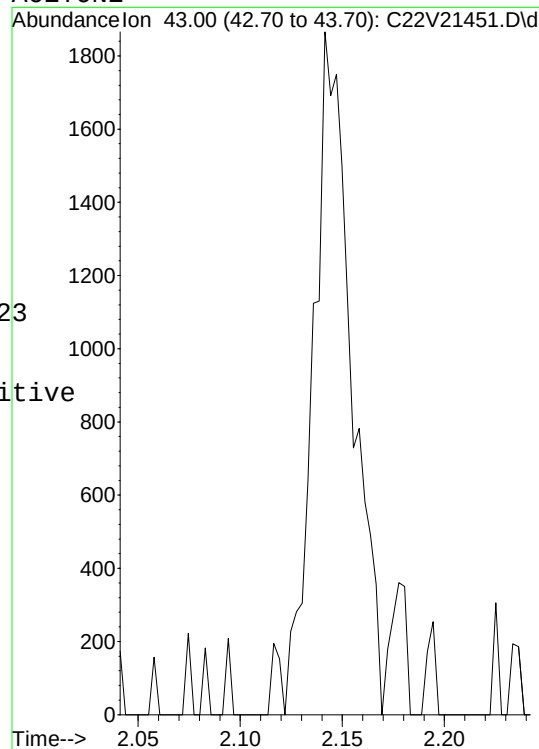
RT : 2.14
Area : 2441
Amount: 2.49701

Manual Int. Results

Thu Aug 03 08:00:25 2023

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
ACETONE

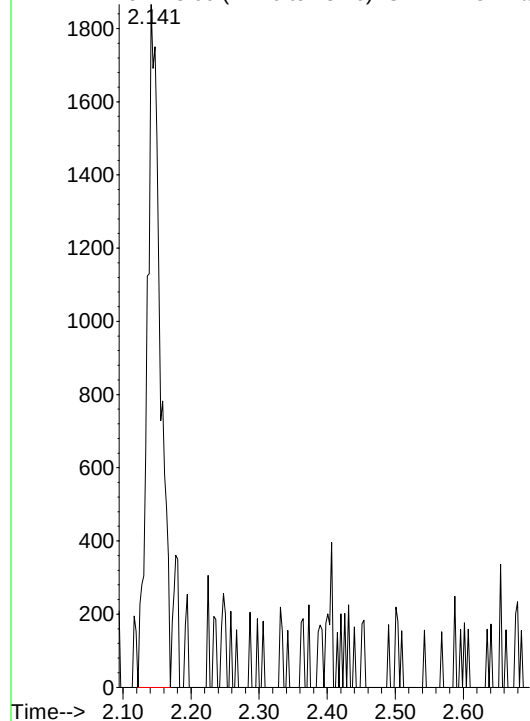


Data Path : C:\msdchem\1\data\C080223\
Data File : C22V21451.D
Acq On : 3 Aug 2023 7:11 am
Operator :
Sample : 23G3932-14
Misc :

Quant Time : Thu Aug 03 08:00:40 2023
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Fri Apr 21 09:50:20 2023

Original Integration
METHYL ACETATE

Abundance Ion 43.00 (42.70 to 43.70): C22V21451.D



Original Int. Results

RT : 2.14
Area : 2441
Amount: 0.641431

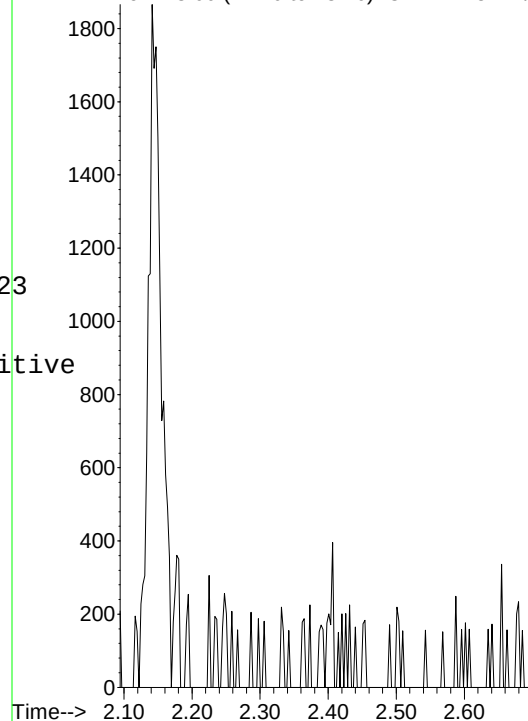
Manual Int. Results

Thu Aug 03 08:00:30 2023

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

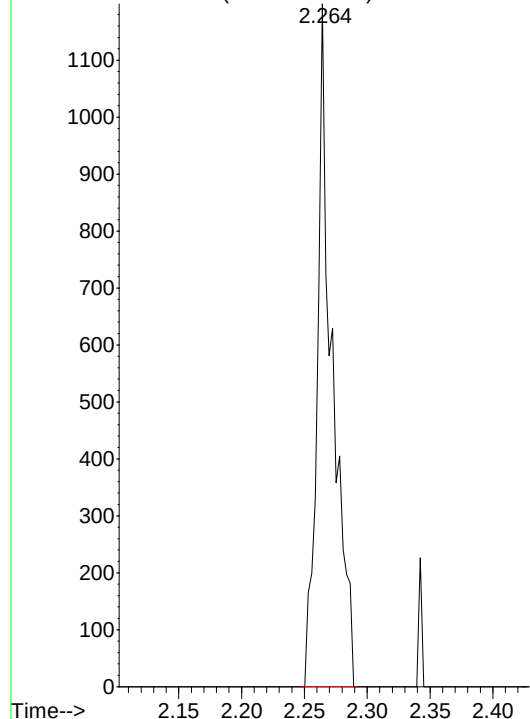
Manual Integration
METHYL ACETATE

Abundance Ion 43.00 (42.70 to 43.70): C22V21451.D



Original Integration
CARBON DISULFIDE

Abundance Ion 76.00 (75.70 to 76.70): C22V21451.D



Original Int. Results

RT : 2.26
Area : 988
Amount: 0.147171

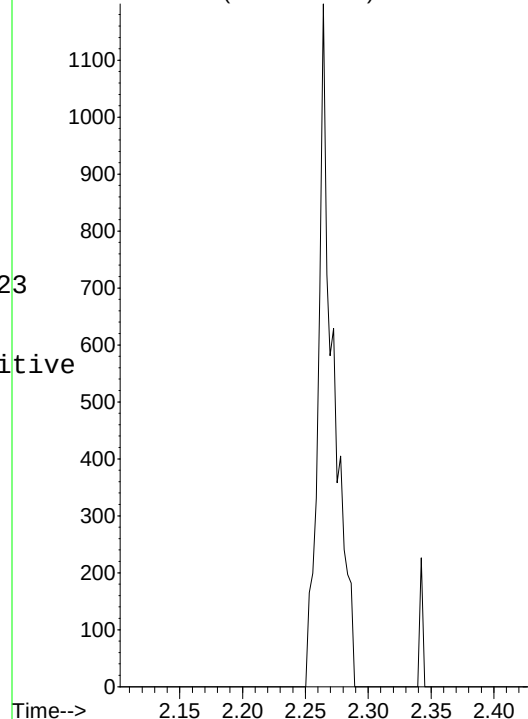
Manual Int. Results

Thu Aug 03 08:00:33 2023

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CARBON DISULFIDE

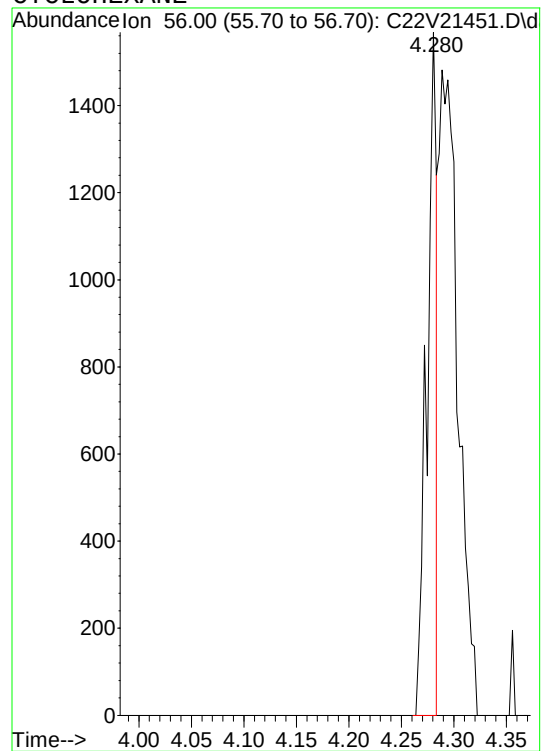
Abundance Ion 76.00 (75.70 to 76.70): C22V21451.D



Data Path : C:\msdchem\1\data\C080223\
Data File : C22V21451.D
Acq On : 3 Aug 2023 7:11 am
Operator :
Sample : 23G3932-14
Misc :

Quant Time : Thu Aug 03 08:00:40 2023
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Fri Apr 21 09:50:20 2023

Original Integration
CYCLOHEXANE



Original Int. Results

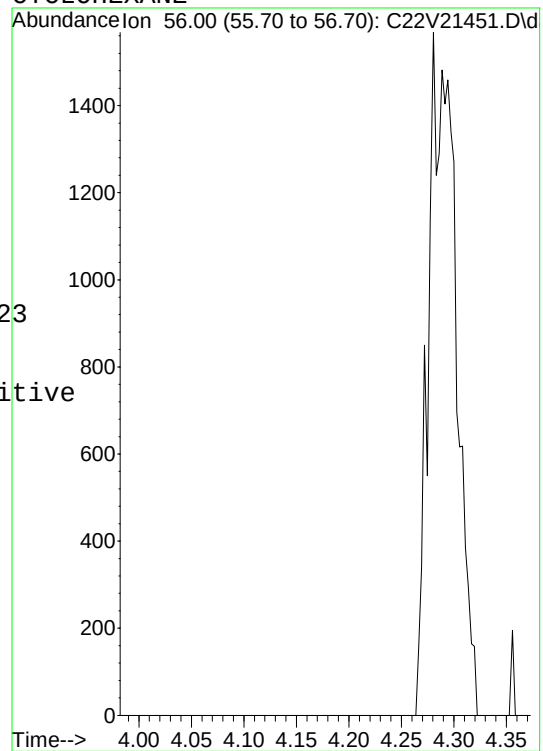
RT : 4.28
Area : 978
Amount: 0.257302

Manual Int. Results

Thu Aug 03 08:00:39 2023

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CYCLOHEXANE



1 - FORM I

ANALYSIS DATA SHEET

171

MW-17

Laboratory:	Pace New England	Work Order:	23G3932
Client:	NYDEC_AECOM - Buffalo, NY	Project:	C.A.E. Electronics_CAT B - CO 147580
Matrix:	Ground Water	Laboratory ID:	23G3932-15
		File ID:	C22V21452.D
Sampled:	07/27/23 14:30	Prepared:	08/01/23 07:14
		Analyzed:	08/03/23 07:38
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B347625	Sequence:	S091452
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone	3.3	2.0	50	V-06, J
71-43-2	Benzene		0.18	1.0	
74-97-5	Bromochloromethane		0.28	1.0	
75-27-4	Bromodichloromethane		0.16	0.50	
75-25-2	Bromoform		0.41	1.0	
74-83-9	Bromomethane		1.3	2.0	
78-93-3	2-Butanone (MEK)		1.7	20	
75-15-0	Carbon Disulfide		1.6	5.0	
56-23-5	Carbon Tetrachloride		0.16	5.0	V-05
108-90-7	Chlorobenzene		0.12	1.0	
124-48-1	Chlorodibromomethane		0.20	0.50	
75-00-3	Chloroethane		0.34	2.0	
67-66-3	Chloroform		0.14	2.0	
74-87-3	Chloromethane		0.50	2.0	
110-82-7	Cyclohexane		1.8	5.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.85	5.0	V-05
106-93-4	1,2-Dibromoethane (EDB)		0.16	0.50	
95-50-1	1,2-Dichlorobenzene		0.13	1.0	
541-73-1	1,3-Dichlorobenzene		0.14	1.0	
106-46-7	1,4-Dichlorobenzene		0.13	1.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.16	2.0	
75-34-3	1,1-Dichloroethane		0.14	1.0	
107-06-2	1,2-Dichloroethane		0.30	1.0	
75-35-4	1,1-Dichloroethylene	1.9	0.14	1.0	
156-59-2	cis-1,2-Dichloroethylene	0.32	0.14	1.0	J
156-60-5	trans-1,2-Dichloroethylene		0.17	1.0	
78-87-5	1,2-Dichloropropane		0.19	1.0	
10061-01-5	cis-1,3-Dichloropropene		0.16	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.14	0.50	
123-91-1	1,4-Dioxane		18	50	

1 - FORM I

ANALYSIS DATA SHEET

172

MW-17

Laboratory:	Pace New England	Work Order:	23G3932
Client:	NYDEC_AECOM - Buffalo, NY	Project:	C.A.E. Electronics_CAT B - CO 147580
Matrix:	Ground Water	Laboratory ID:	23G3932-15
		File ID:	C22V21452.D
Sampled:	07/27/23 14:30	Prepared:	08/01/23 07:14
		Analyzed:	08/03/23 07:38
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B347625	Sequence:	S091452
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
100-41-4	Ethylbenzene		0.22	1.0	
591-78-6	2-Hexanone (MBK)		1.2	10	
98-82-8	Isopropylbenzene (Cumene)		0.15	1.0	
79-20-9	Methyl Acetate		0.61	1.0	V-05
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.17	1.0	
108-87-2	Methyl Cyclohexane		0.16	1.0	
75-09-2	Methylene Chloride		0.18	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.3	10	
100-42-5	Styrene		0.15	1.0	
79-34-5	1,1,2,2-Tetrachloroethane		0.14	0.50	
127-18-4	Tetrachloroethylene		0.17	1.0	
108-88-3	Toluene		0.22	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.34	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.30	1.0	
71-55-6	1,1,1-Trichloroethane	2.1	0.15	1.0	
79-00-5	1,1,2-Trichloroethane	0.82	0.19	1.0	J
79-01-6	Trichloroethylene	38	0.17	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.15	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)		0.21	1.0	
75-01-4	Vinyl Chloride		0.24	2.0	
1330-20-7	Xylenes (total)		1.0	1.0	

Data Path : C:\msdchem\1\data\C080223\
 Data File : C22V21452.D
 Acq On : 3 Aug 2023 7:38 am
 Operator :
 Sample : 23G3932-15
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Inst : GCMSVOA3

Quant Time: Aug 03 08:04:04 2023
 Quant Method : C:\msdchem\1\methods\C080822.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Fri Apr 21 09:50:20 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	4.292	168	158456	30.00	UG/L	0.00
48) 1,4-DIFLUOROBENZENE - ...	5.011	114	241279	30.00	UG/L	0.00
70) CHLOROBENZENE-D5 ISTD	7.839	82	118490	30.00	UG/L	0.00
89) 1,4-DICHLOROBENZENE-D4...	10.139	152	104487	30.00	UG/L	# 0.00
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.562	65	77189	25.96	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	103.84%		
49) TOLUENE SS	6.444	98	234702	24.56	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	98.24%		
71) 4-BROMOFLUOROBENZENE SS	8.999	95	73451	20.91	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	83.64%		
Target Compounds						
14) ACETONE	2.142	43	3150	3.28	UG/L	Qvalue 91
15) 1,1-DICHLOROETHENE	2.097	61	6546	1.91	UG/L	94
33) CIS-1,2-DICHLOROETHENE	3.739	61	1165	0.32	UG/L	# 69
41) 1,1,1-TRICHLOROETHANE	4.244	97	7105	2.13	UG/L	87
51) TRICHLOROETHENE	5.256	95	84912	38.14	UG/L	92
64) 1,1,2-TRICHLOROETHANE	6.905	97	1834	0.82	UG/L	98

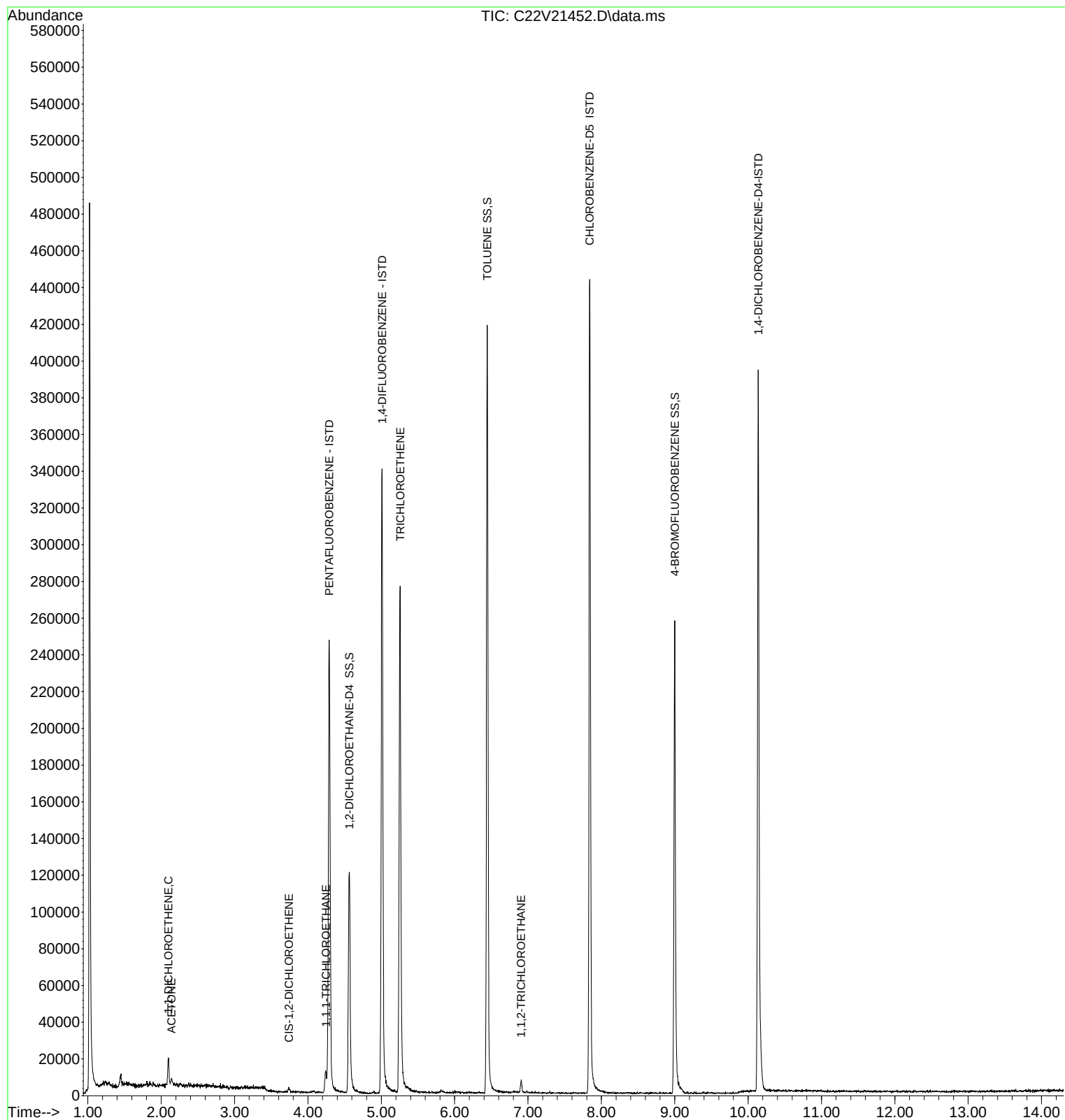
(#) = qualifier out of range (m) = manual integration (+) = signals summed

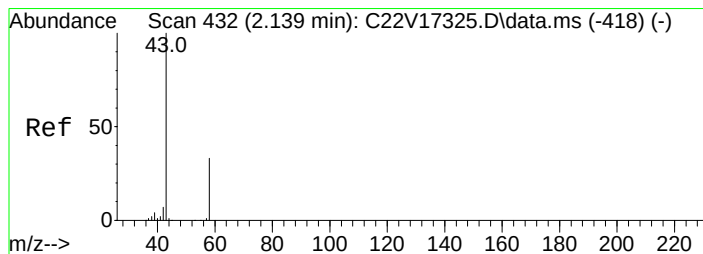
Data Path : C:\msdchem\1\data\C080223\
Data File : C22V21452.D
Acq On : 3 Aug 2023 7:38 am
Operator :
Sample : 23G3932-15
Misc :
ALS Vial : 52 Sample Multiplier: 1

174

Inst : GCMSV0A3

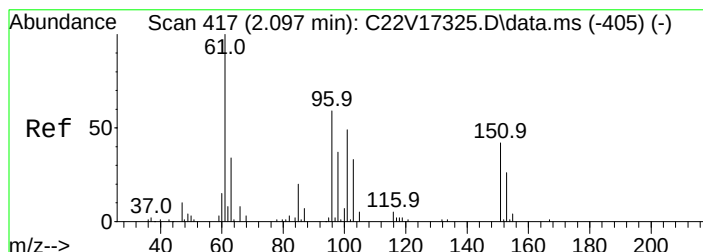
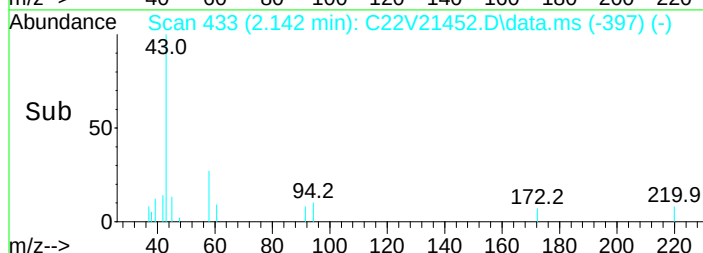
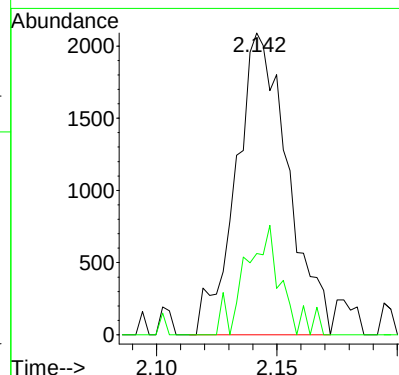
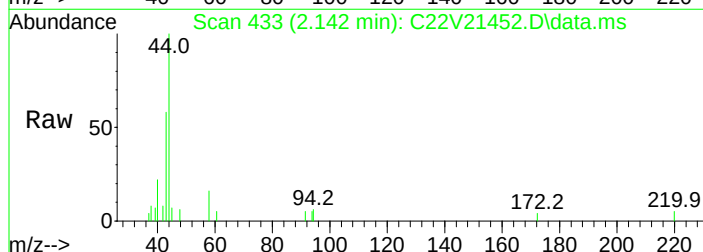
Quant Time: Aug 03 08:04:04 2023
Quant Method : C:\msdchem\1\methods\C080822.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Fri Apr 21 09:50:20 2023
Response via : Initial Calibration





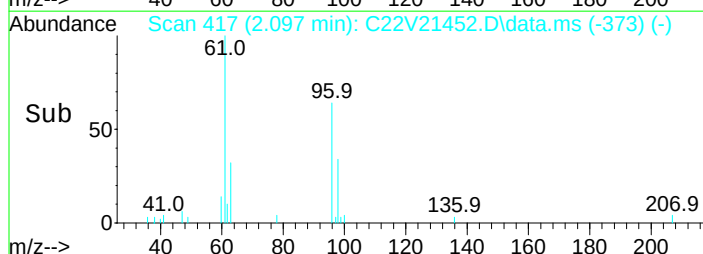
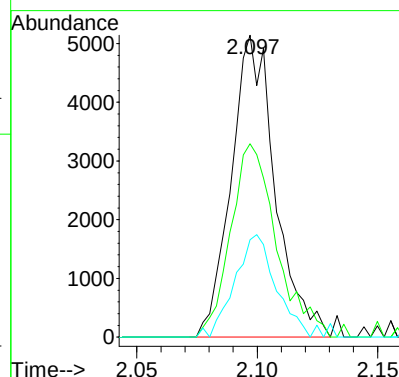
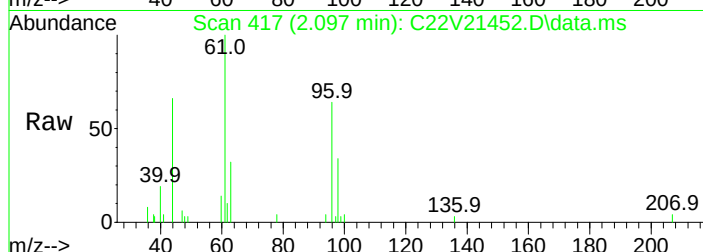
#14
ACETONE
Concen: 3.28 UG/L
RT: 2.142 min Scan# 433
Delta R.T. 0.006 min
Lab File: C22V21452.D
Acq: 3 Aug 2023 7:38 am

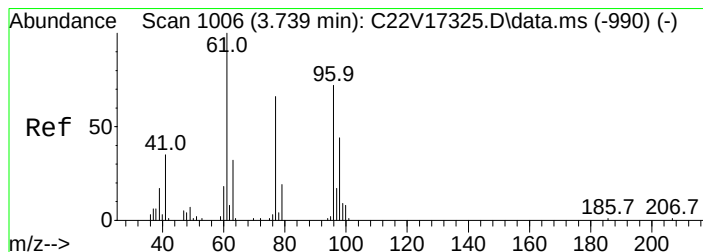
Tgt Ion: 43 Resp: 3150
Ion Ratio Lower Upper
43 100
58 23.0 22.1 33.1



#15
1,1-DICHLOROETHENE
Concen: 1.91 UG/L
RT: 2.097 min Scan# 417
Delta R.T. 0.003 min
Lab File: C22V21452.D
Acq: 3 Aug 2023 7:38 am

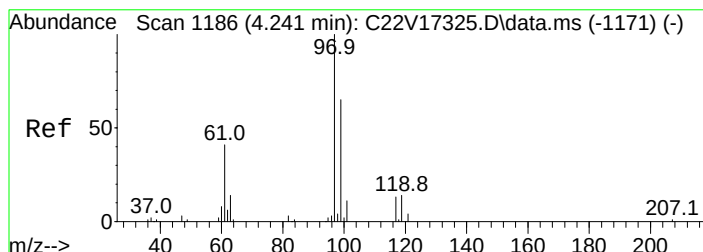
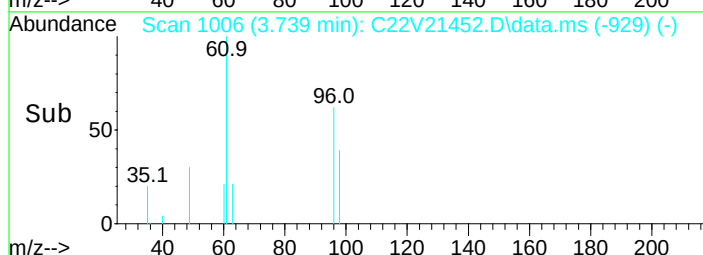
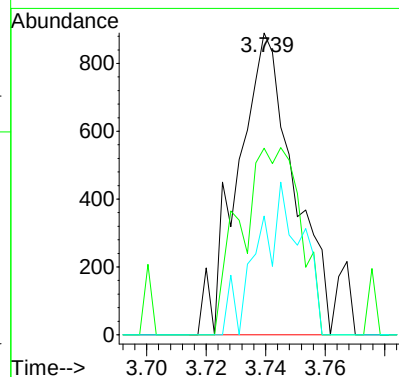
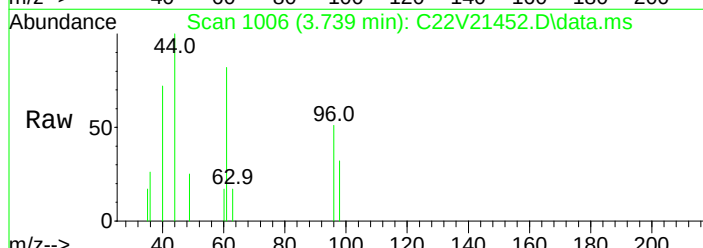
Tgt Ion: 61 Resp: 6546
Ion Ratio Lower Upper
61 100
96 66.7 48.0 72.0
63 31.7 25.0 37.4





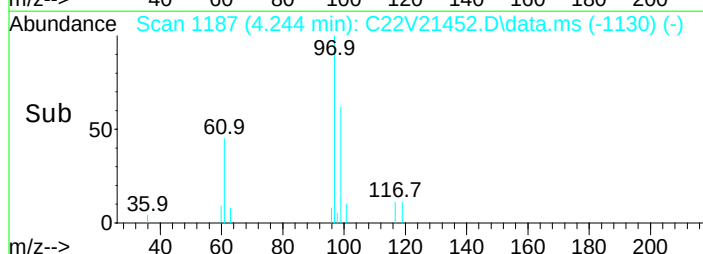
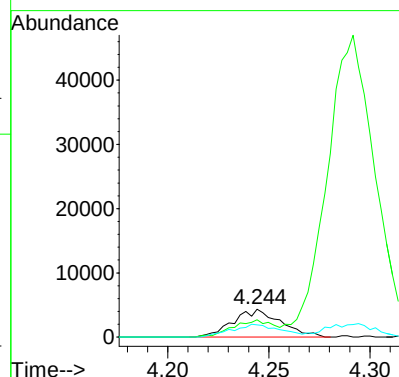
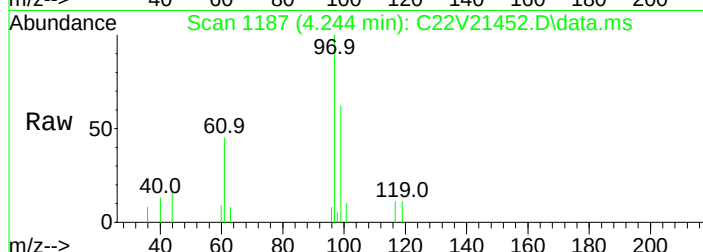
#33
CIS-1,2-DICHLOROETHENE
Concen: 0.32 UG/L
RT: 3.739 min Scan# 1006
Delta R.T. 0.000 min
Lab File: C22V21452.D
Acq: 3 Aug 2023 7:38 am

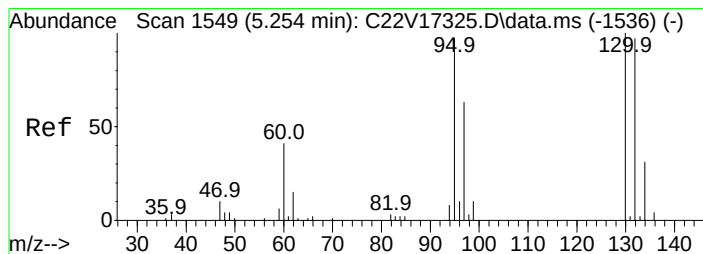
Tgt Ion:	61	Resp:	1165
Ion Ratio	Lower	Upper	
61	100		
96	66.3	58.1	87.1
98	0.0	36.1	54.1#



#41
1,1,1-TRICHLOROETHANE
Concen: 2.13 UG/L
RT: 4.244 min Scan# 1187
Delta R.T. -0.003 min
Lab File: C22V21452.D
Acq: 3 Aug 2023 7:38 am

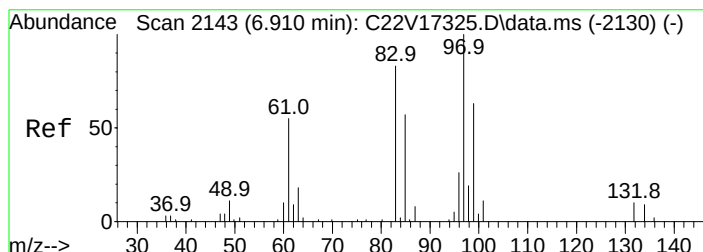
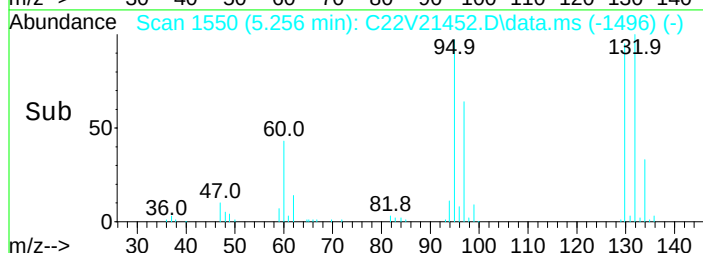
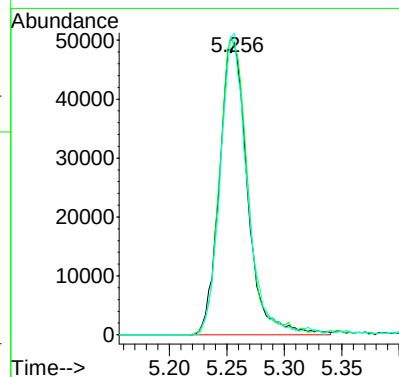
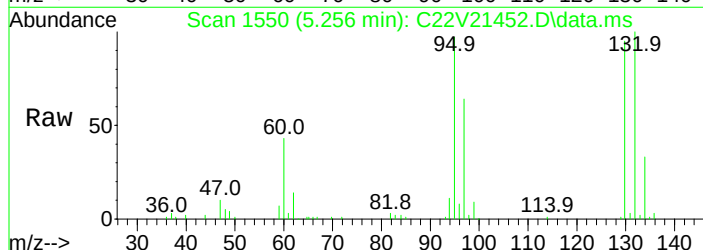
Tgt Ion:	97	Resp:	7105
Ion Ratio	Lower	Upper	
97	100		
99	52.8	52.7	79.1
61	46.6	33.4	50.2





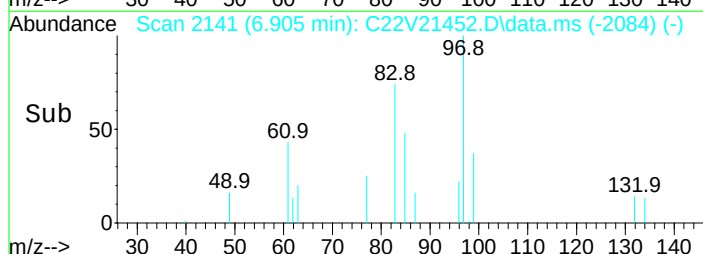
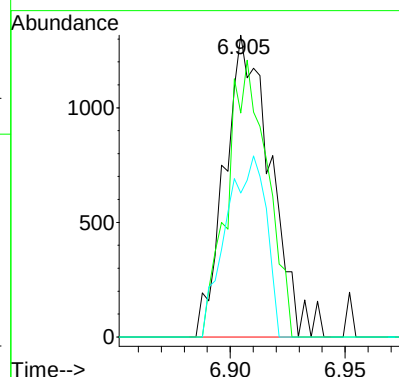
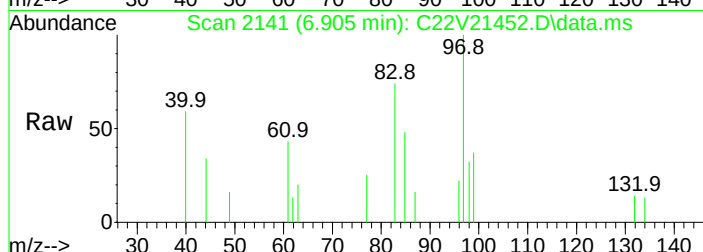
#51
 TRICHLOROETHENE
 Concen: 38.14 UG/L
 RT: 5.256 min Scan# 1550
 Delta R.T. 0.000 min
 Lab File: C22V21452.D
 Acq: 3 Aug 2023 7:38 am

Tgt Ion	Ratio	Lower	Upper
95	100		
130	99.3	85.7	128.5
132	96.8	84.7	127.1



#64
 1,1,2-TRICHLOROETHANE
 Concen: 0.82 UG/L
 RT: 6.905 min Scan# 2141
 Delta R.T. -0.003 min
 Lab File: C22V21452.D
 Acq: 3 Aug 2023 7:38 am

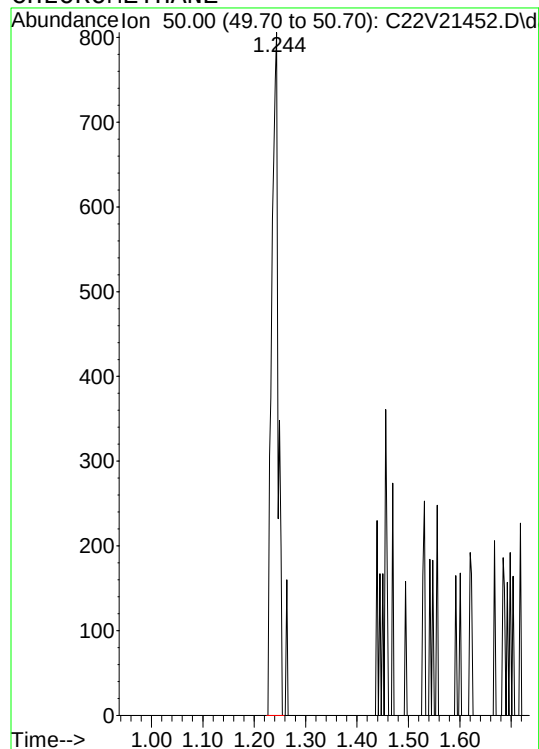
Tgt Ion	Ratio	Lower	Upper
97	100		
83	79.9	65.4	98.0
85	52.2	42.4	63.6



Data Path : C:\msdchem\1\data\C080223\
Data File : C22V21452.D
Acq On : 3 Aug 2023 7:38 am
Operator :
Sample : 23G3932-15
Misc :

Quant Time : Thu Aug 03 08:04:04 2023
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Fri Apr 21 09:50:20 2023

Original Integration
CHLOROMETHANE



Original Int. Results

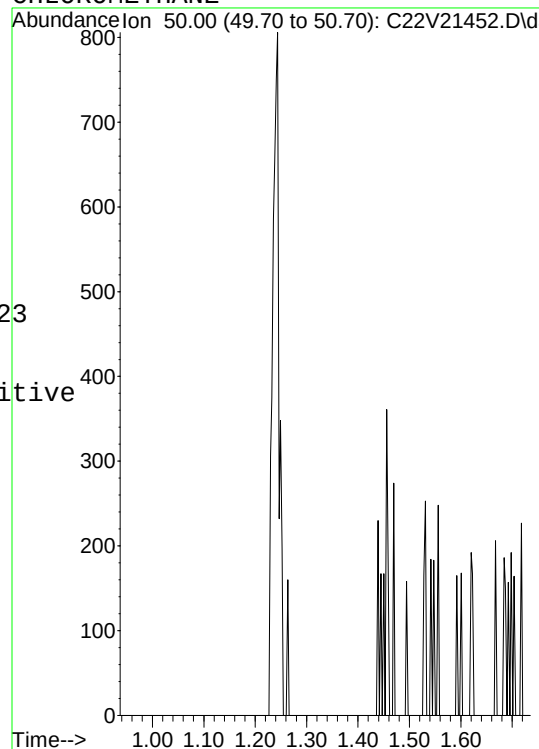
RT : 1.24
Area : 712
Amount: 0.189983

Manual Int. Results

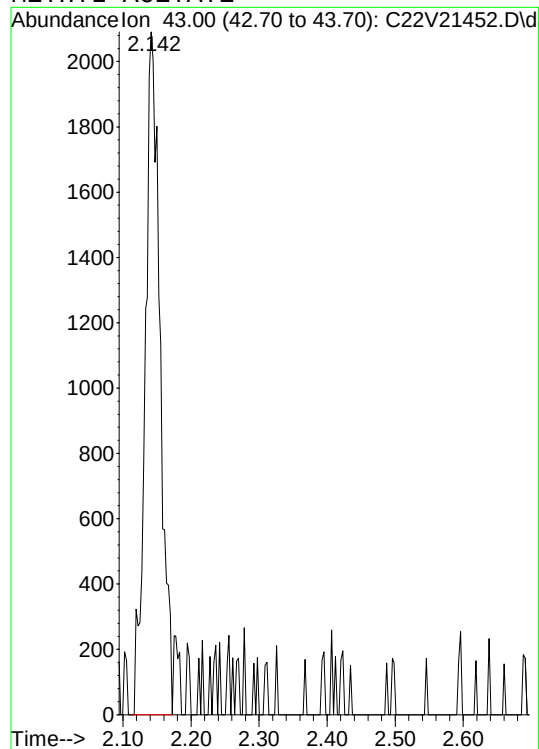
Thu Aug 03 08:03:36 2023

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CHLOROMETHANE



Original Integration
METHYL ACETATE



Original Int. Results

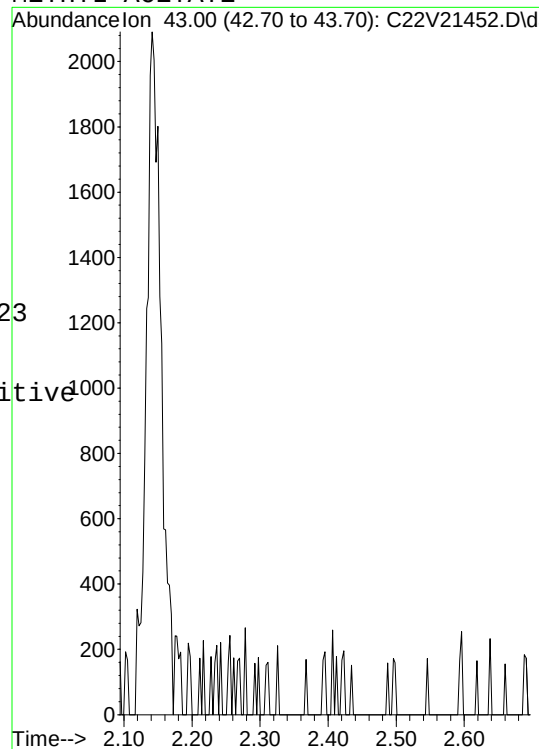
RT : 2.14
Area : 3150
Amount: 0.84132

Manual Int. Results

Thu Aug 03 08:03:43 2023

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

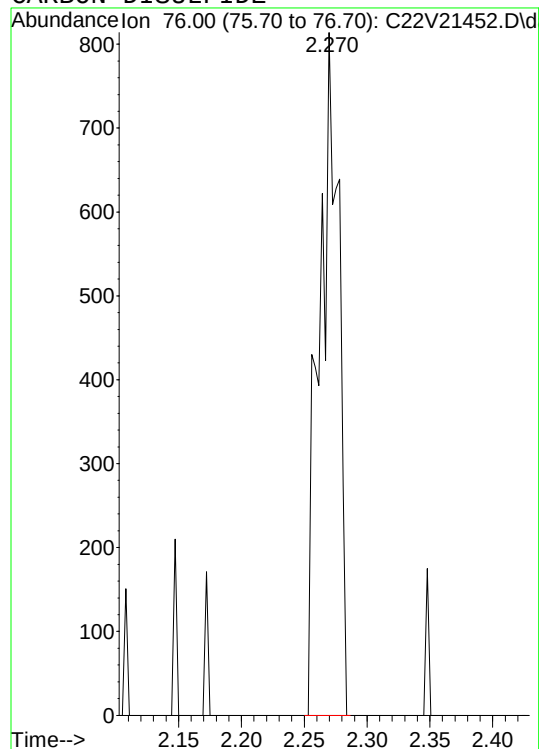
Manual Integration
METHYL ACETATE



Data Path : C:\msdchem\1\data\C080223\
Data File : C22V21452.D
Acq On : 3 Aug 2023 7:38 am
Operator :
Sample : 23G3932-15
Misc :

Quant Time : Thu Aug 03 08:04:04 2023
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Fri Apr 21 09:50:20 2023

Original Integration
CARBON DISULFIDE



Original Int. Results

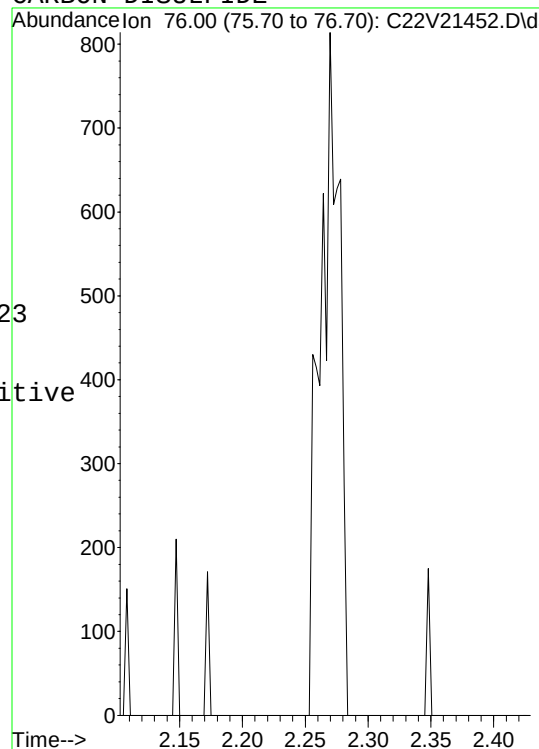
RT : 2.27
Area : 878
Amount: 0.132932

Manual Int. Results

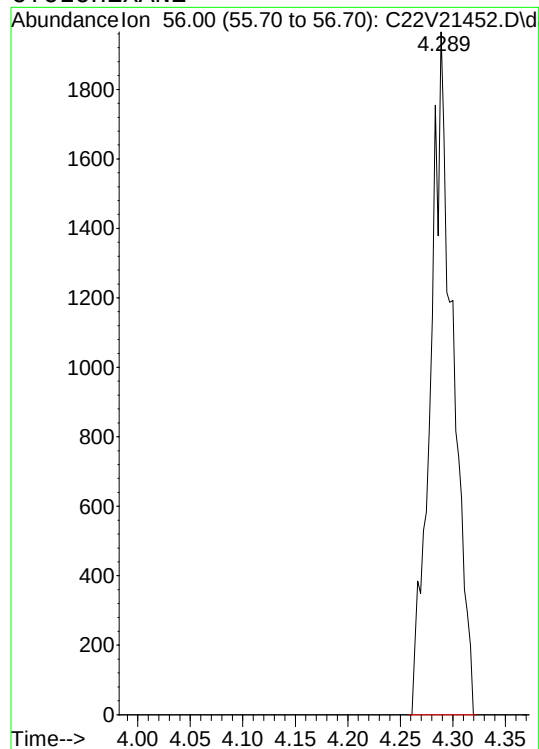
Thu Aug 03 08:03:47 2023

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CARBON DISULFIDE



Original Integration
CYCLOHEXANE



Original Int. Results

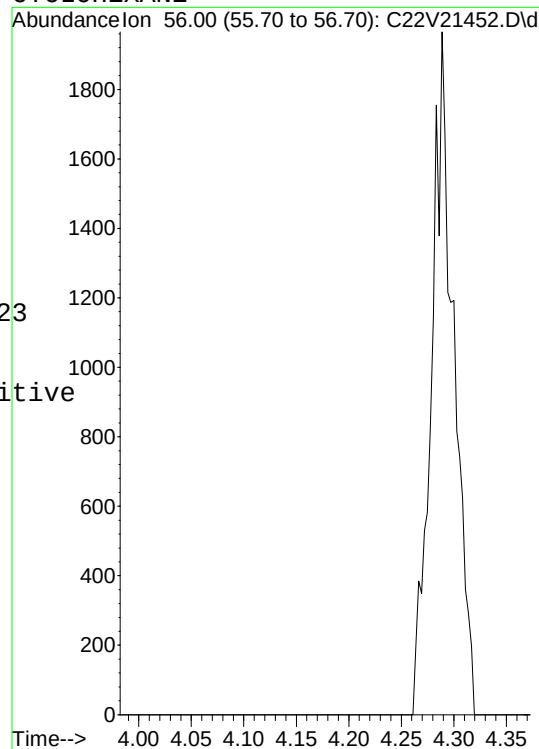
RT : 4.29
Area : 2913
Amount: 0.778955

Manual Int. Results

Thu Aug 03 08:03:58 2023

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CYCLOHEXANE



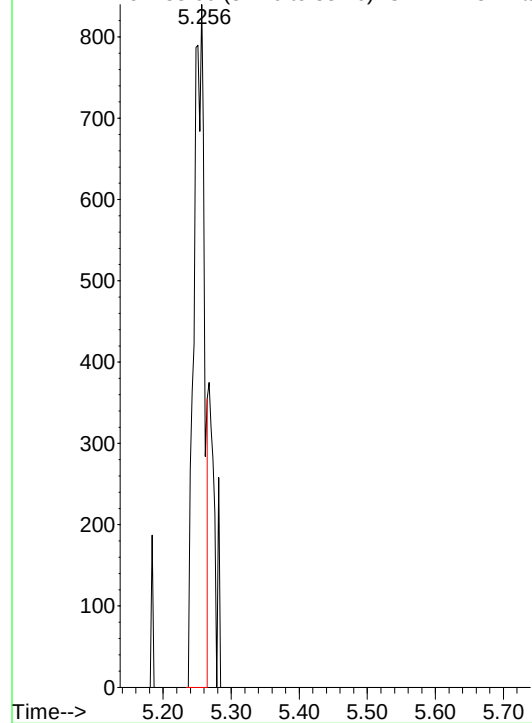
Data Path : C:\msdchem\1\data\C080223\
Data File : C22V21452.D
Acq On : 3 Aug 2023 7:38 am
Operator :
Sample : 23G3932-15
Misc :

Quant Time : Thu Aug 03 08:04:04 2023
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Fri Apr 21 09:50:20 2023

Original Integration

METHYLCYCLOHEXANE

Abundance Ion 83.00 (82.70 to 83.70): C22V21452.D



Original Int. Results

RT : 5.26
Area : 916
Amount: 0.344278

Manual Int. Results

Thu Aug 03 08:04:03 2023

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration

METHYLCYCLOHEXANE

Abundance Ion 83.00 (82.70 to 83.70): C22V21452.D



1 - FORM I

ANALYSIS DATA SHEET

181

FD-270723

Laboratory:	Pace New England	Work Order:	23G3932
Client:	NYDEC_AECOM - Buffalo, NY	Project:	C.A.E. Electronics_CAT B - CO 147580
Matrix:	Ground Water	Laboratory ID:	23G3932-16
		File ID:	C22V21453.D
Sampled:	07/27/23 00:00	Prepared:	08/01/23 07:14
		Analyzed:	08/03/23 08:04
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B347625	Sequence:	S091452
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone		2.0	50	
71-43-2	Benzene		0.18	1.0	
74-97-5	Bromochloromethane		0.28	1.0	
75-27-4	Bromodichloromethane		0.16	0.50	
75-25-2	Bromoform		0.41	1.0	
74-83-9	Bromomethane		1.3	2.0	
78-93-3	2-Butanone (MEK)		1.7	20	
75-15-0	Carbon Disulfide		1.6	5.0	
56-23-5	Carbon Tetrachloride		0.16	5.0	V-05
108-90-7	Chlorobenzene		0.12	1.0	
124-48-1	Chlorodibromomethane		0.20	0.50	
75-00-3	Chloroethane		0.34	2.0	
67-66-3	Chloroform		0.14	2.0	
74-87-3	Chloromethane		0.50	2.0	
110-82-7	Cyclohexane		1.8	5.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.85	5.0	V-05
106-93-4	1,2-Dibromoethane (EDB)		0.16	0.50	
95-50-1	1,2-Dichlorobenzene		0.13	1.0	
541-73-1	1,3-Dichlorobenzene		0.14	1.0	
106-46-7	1,4-Dichlorobenzene		0.13	1.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.16	2.0	
75-34-3	1,1-Dichloroethane		0.14	1.0	
107-06-2	1,2-Dichloroethane		0.30	1.0	
75-35-4	1,1-Dichloroethylene	2.1	0.14	1.0	
156-59-2	cis-1,2-Dichloroethylene		0.14	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.17	1.0	
78-87-5	1,2-Dichloropropane		0.19	1.0	
10061-01-5	cis-1,3-Dichloropropene		0.16	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.14	0.50	
123-91-1	1,4-Dioxane		18	50	

1 - FORM I

ANALYSIS DATA SHEET

182

FD-270723

Laboratory:	Pace New England	Work Order:	23G3932
Client:	NYDEC_AECOM - Buffalo, NY	Project:	C.A.E. Electronics_CAT B - CO 147580
Matrix:	Ground Water	Laboratory ID:	23G3932-16
		File ID:	C22V21453.D
Sampled:	07/27/23 00:00	Prepared:	08/01/23 07:14
		Analyzed:	08/03/23 08:04
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B347625	Sequence:	S091452
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
100-41-4	Ethylbenzene		0.22	1.0	
591-78-6	2-Hexanone (MBK)		1.2	10	
98-82-8	Isopropylbenzene (Cumene)		0.15	1.0	
79-20-9	Methyl Acetate		0.61	1.0	V-05
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.17	1.0	
108-87-2	Methyl Cyclohexane		0.16	1.0	
75-09-2	Methylene Chloride		0.18	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.3	10	
100-42-5	Styrene		0.15	1.0	
79-34-5	1,1,2,2-Tetrachloroethane		0.14	0.50	
127-18-4	Tetrachloroethylene		0.17	1.0	
108-88-3	Toluene		0.22	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.34	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.30	1.0	
71-55-6	1,1,1-Trichloroethane	2.1	0.15	1.0	
79-00-5	1,1,2-Trichloroethane	0.77	0.19	1.0	J
79-01-6	Trichloroethylene	38	0.17	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.15	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)		0.21	1.0	
75-01-4	Vinyl Chloride		0.24	2.0	
1330-20-7	Xylenes (total)		1.0	1.0	

Data Path : C:\msdchem\1\data\C080223\
 Data File : C22V21453.D
 Acq On : 3 Aug 2023 8:04 am
 Operator :
 Sample : 23G3932-16
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Inst : GCMSVOA3

Quant Time: Aug 03 08:25:41 2023
 Quant Method : C:\msdchem\1\methods\C080822.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Fri Apr 21 09:50:20 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	4.289	168	154543	30.00	UG/L	0.00
48) 1,4-DIFLUOROBENZENE - ...	5.011	114	239432	30.00	UG/L	0.00
70) CHLOROBENZENE-D5 ISTD	7.841	82	117014	30.00	UG/L	0.00
89) 1,4-DICHLOROBENZENE-D4...	10.137	152	104154	30.00	UG/L	# 0.00
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.568	65	74283	25.61	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery	=	102.44%	
49) TOLUENE SS	6.444	98	235596	24.85	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery	=	99.40%	
71) 4-BROMOFLUOROBENZENE SS	8.999	95	73651	21.23	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery	=	84.92%	
Target Compounds						
15) 1,1-DICHLOROETHENE	2.097	61	7084	2.11	UG/L	99
41) 1,1,1-TRICHLOROETHANE	4.247	97	6901	2.12	UG/L	# 81
51) TRICHLOROETHENE	5.256	95	83770	37.91	UG/L	93
64) 1,1,2-TRICHLOROETHANE	6.910	97	1725	0.77	UG/L	92

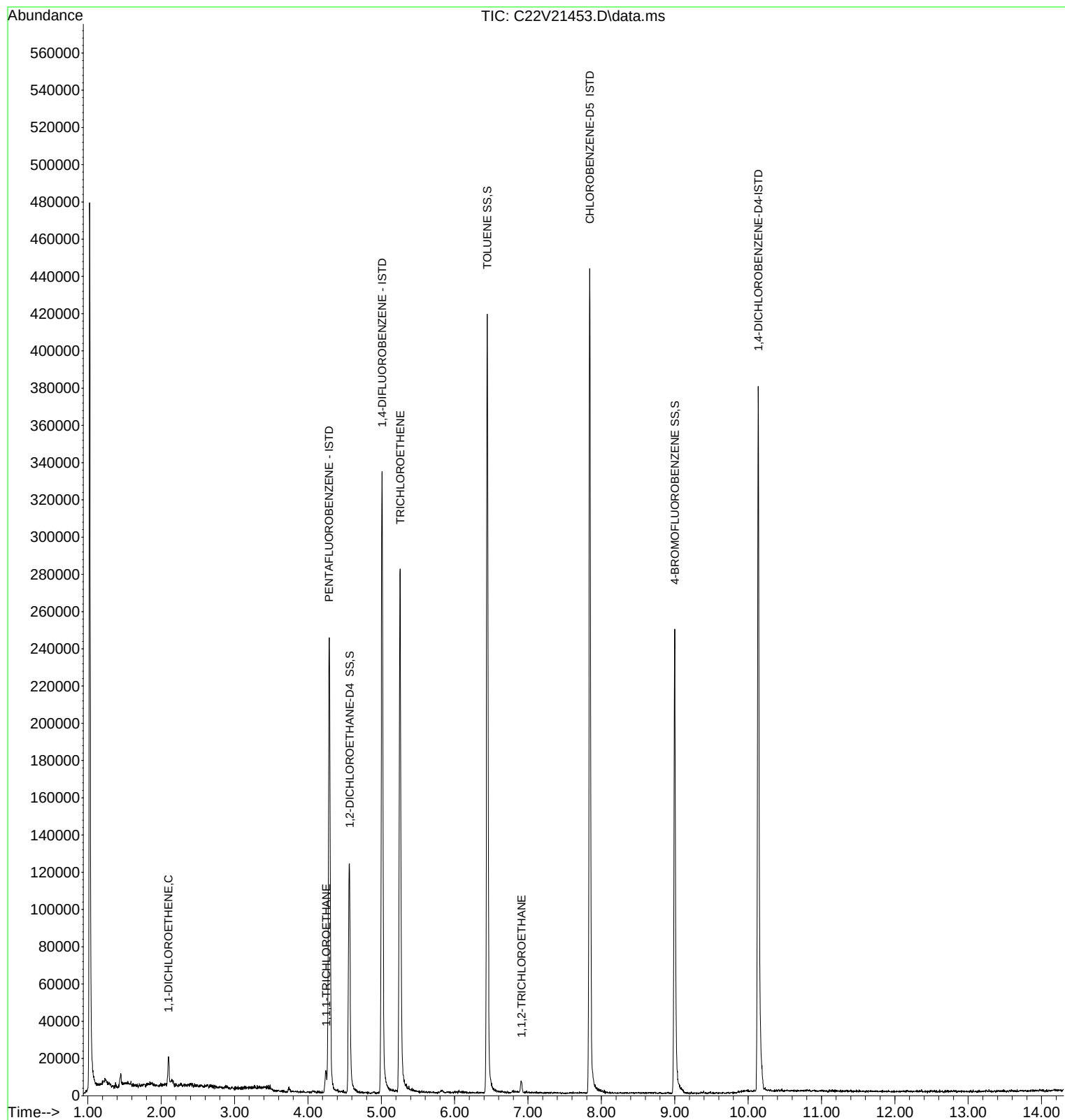
(#) = qualifier out of range (m) = manual integration (+) = signals summed

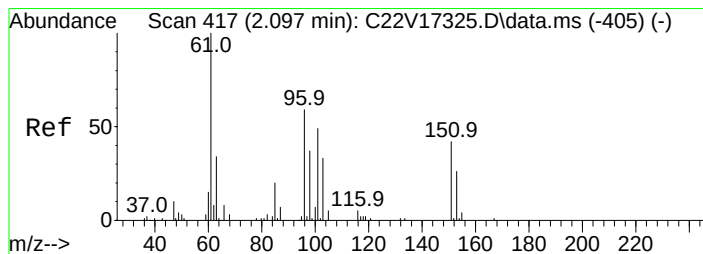
Data Path : C:\msdchem\1\data\C080223\
Data File : C22V21453.D
Acq On : 3 Aug 2023 8:04 am
Operator :
Sample : 23G3932-16
Misc :
ALS Vial : 53 Sample Multiplier: 1

184

Inst : GCMSV0A3

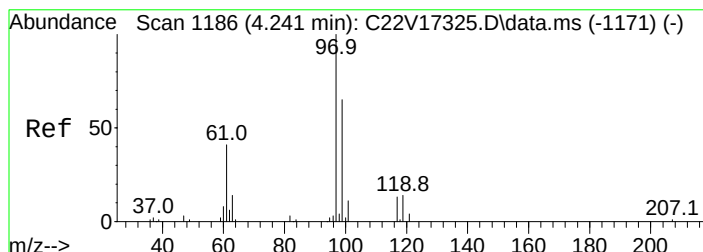
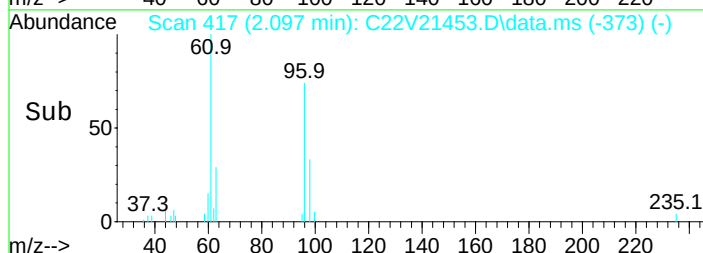
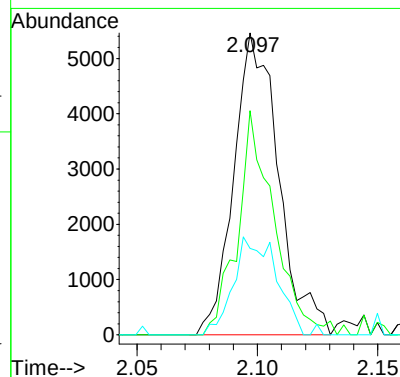
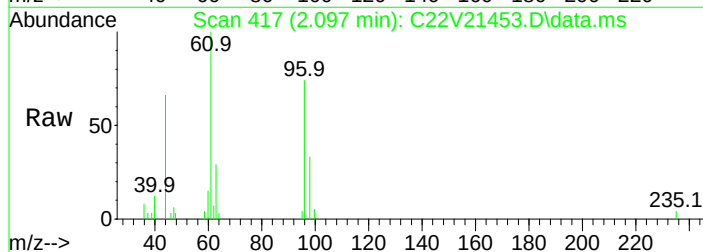
Quant Time: Aug 03 08:25:41 2023
Quant Method : C:\msdchem\1\methods\C080822.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Fri Apr 21 09:50:20 2023
Response via : Initial Calibration





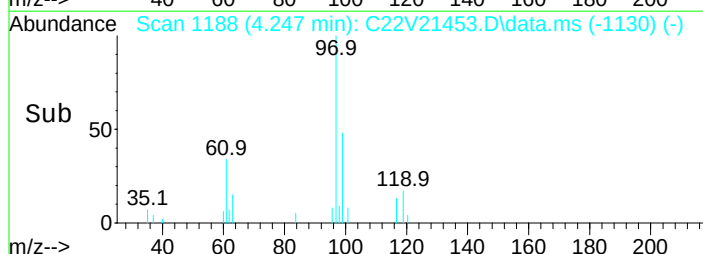
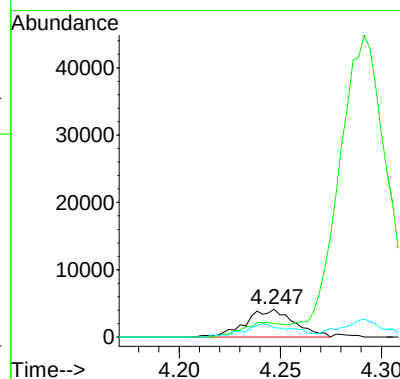
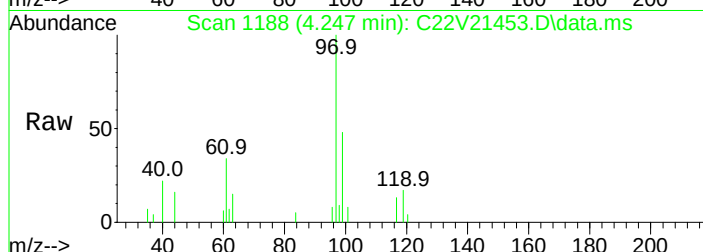
#15
 1,1-DICHLOROETHENE
 Concen: 2.11 UG/L
 RT: 2.097 min Scan# 417
 Delta R.T. 0.003 min
 Lab File: C22V21453.D
 Acq: 3 Aug 2023 8:04 am

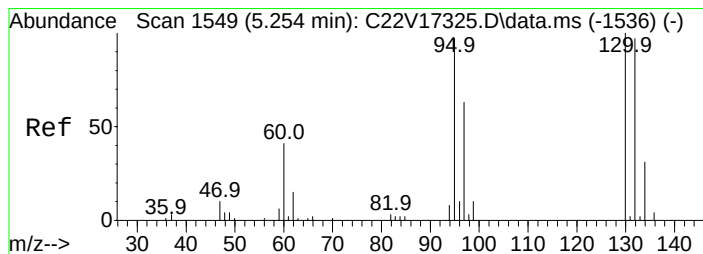
Tgt Ion:	61	Resp:	7084
Ion Ratio	Lower	Upper	
61	100		
96	61.0	48.0	72.0
63	31.0	25.0	37.4



#41
 1,1,1-TRICHLOROETHANE
 Concen: 2.12 UG/L
 RT: 4.247 min Scan# 1188
 Delta R.T. 0.000 min
 Lab File: C22V21453.D
 Acq: 3 Aug 2023 8:04 am

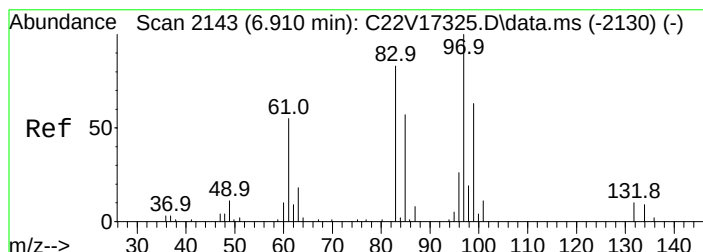
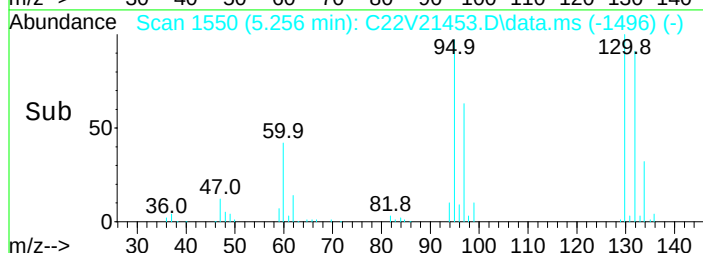
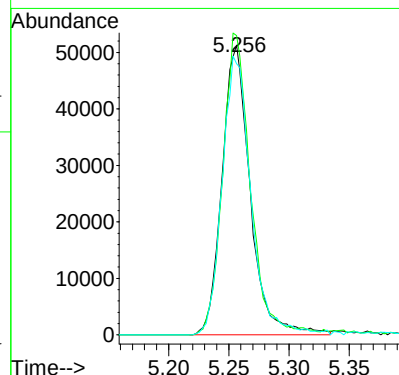
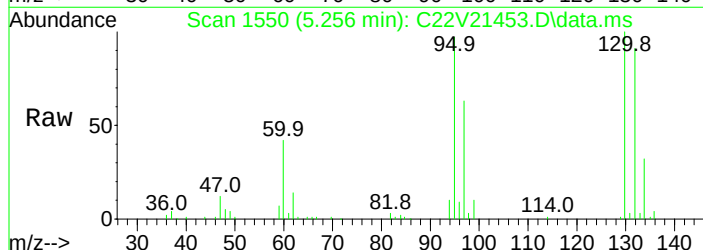
Tgt Ion:	97	Resp:	6901
Ion Ratio	Lower	Upper	
97	100		
99	44.9	52.7	79.1#
61	46.8	33.4	50.2





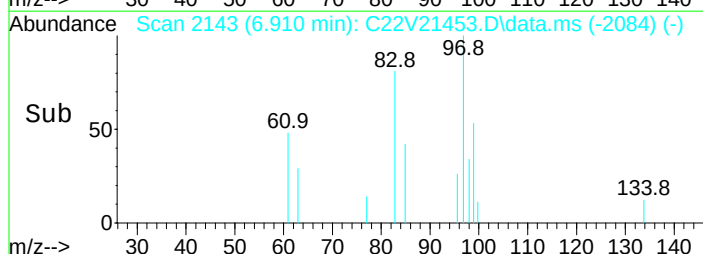
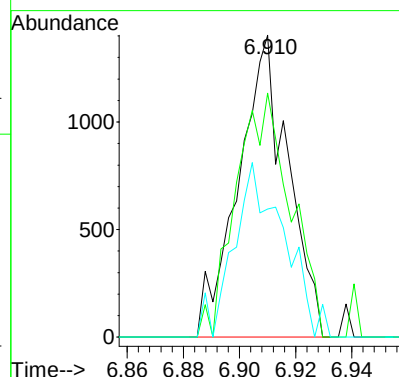
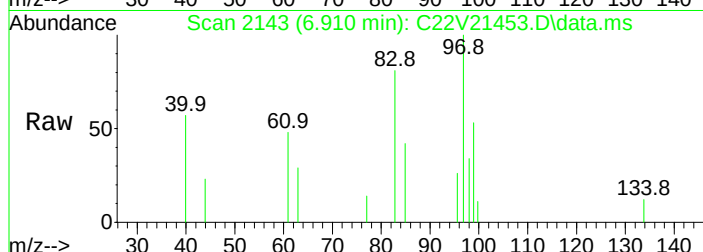
#51
TRICHLOROETHENE
Concen: 37.91 UG/L
RT: 5.256 min Scan# 1550
Delta R.T. 0.000 min
Lab File: C22V21453.D
Acq: 3 Aug 2023 8:04 am

Tgt Ion	95	Resp	83770
Ion Ratio	Lower	Upper	
95	100		
130	101.0	85.7	128.5
132	97.1	84.7	127.1



#64
1,1,2-TRICHLOROETHANE
Concen: 0.77 UG/L
RT: 6.910 min Scan# 2143
Delta R.T. 0.003 min
Lab File: C22V21453.D
Acq: 3 Aug 2023 8:04 am

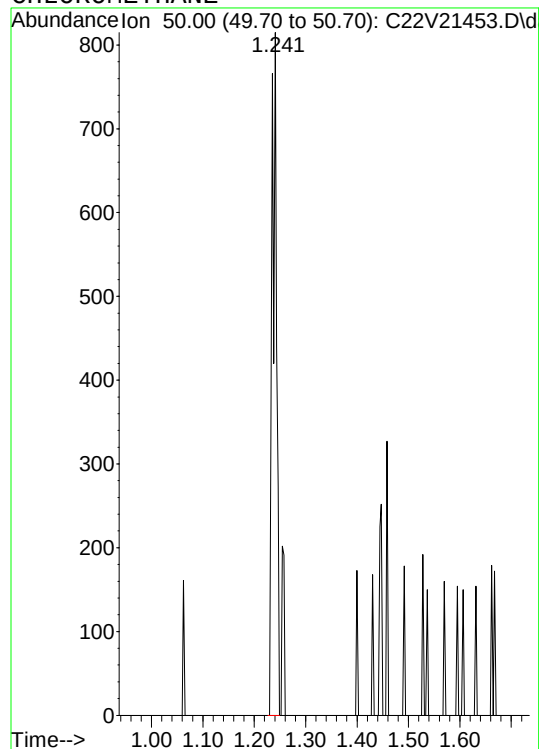
Tgt Ion	97	Resp	1725
Ion Ratio	Lower	Upper	
97	100		
83	88.7	65.4	98.0
85	58.6	42.4	63.6



Data Path : C:\msdchem\1\data\C080223\
Data File : C22V21453.D
Acq On : 3 Aug 2023 8:04 am
Operator :
Sample : 23G3932-16
Misc :

Quant Time : Thu Aug 03 08:25:41 2023
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Fri Apr 21 09:50:20 2023

Original Integration
CHLOROMETHANE



Original Int. Results

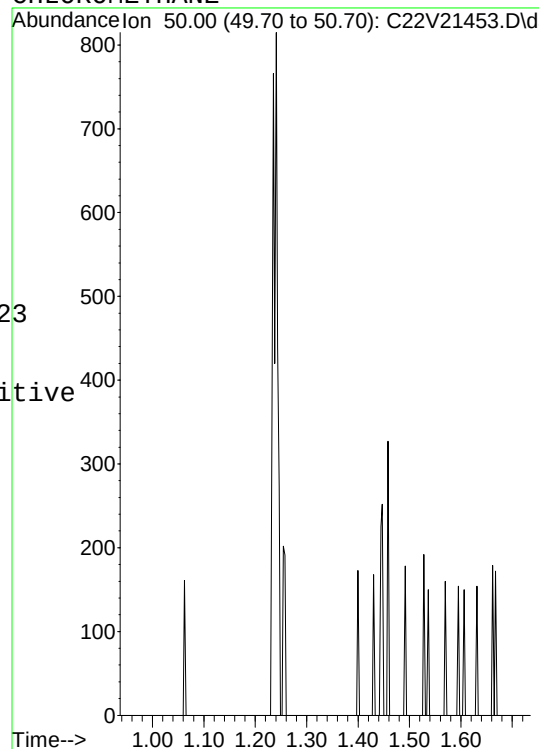
RT : 1.24
Area : 507
Amount: 0.138709

Manual Int. Results

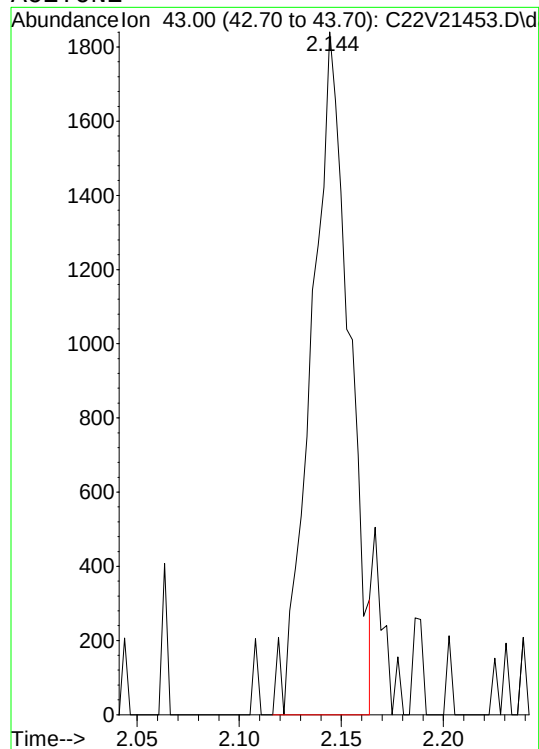
Thu Aug 03 08:25:10 2023

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CHLOROMETHANE



Original Integration
ACETONE



Original Int. Results

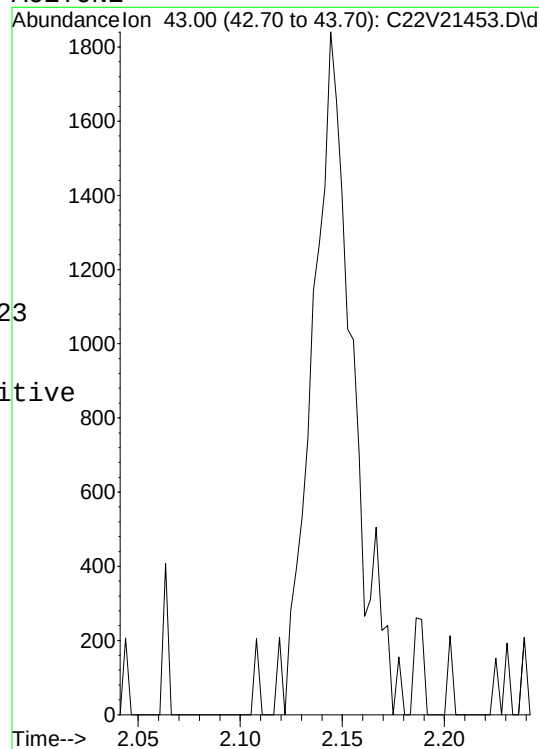
RT : 2.14
Area : 2382
Amount: 2.53935

Manual Int. Results

Thu Aug 03 08:25:13 2023

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
ACETONE

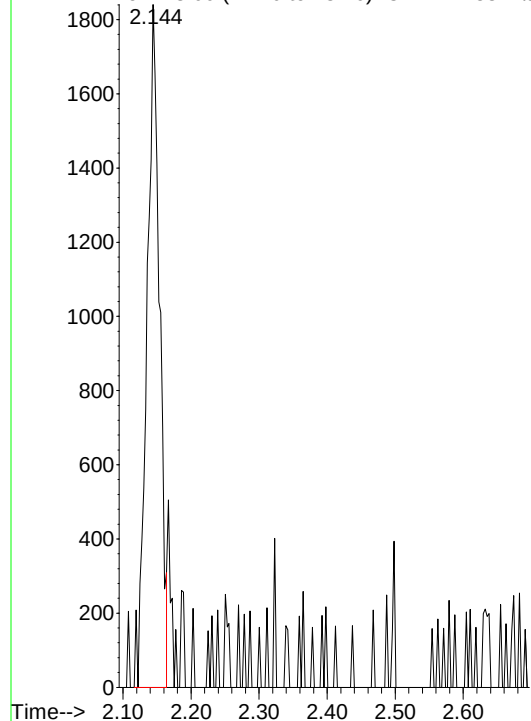


Data Path : C:\msdchem\1\data\C080223\
Data File : C22V21453.D
Acq On : 3 Aug 2023 8:04 am
Operator :
Sample : 23G3932-16
Misc :

Quant Time : Thu Aug 03 08:25:41 2023
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Fri Apr 21 09:50:20 2023

Original Integration
METHYL ACETATE

Abundance on 43.00 (42.70 to 43.70): C22V21453.D



Original Int. Results

RT : 2.14
Area : 2382
Amount: 0.652307

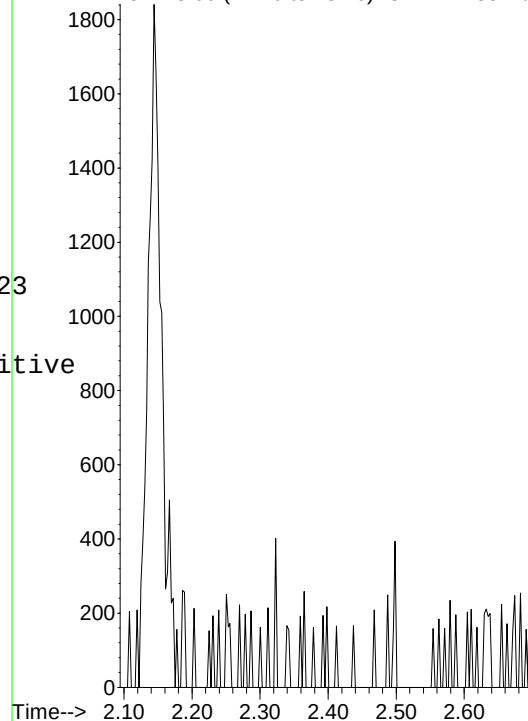
Manual Int. Results

Thu Aug 03 08:25:16 2023

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

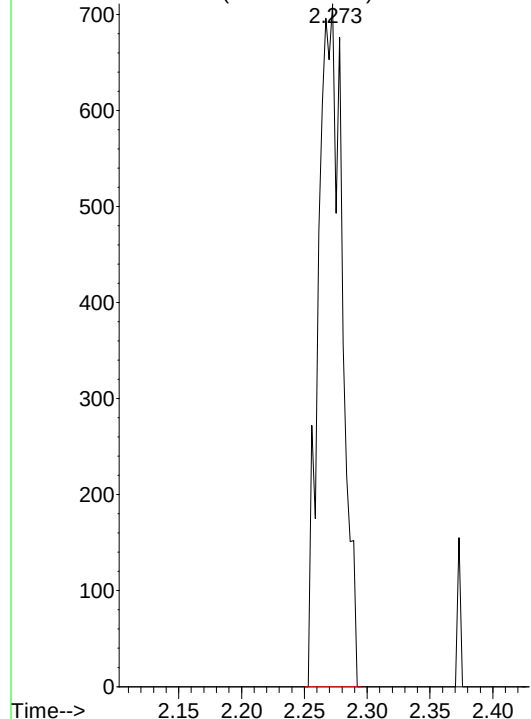
Manual Integration
METHYL ACETATE

Abundance on 43.00 (42.70 to 43.70): C22V21453.D



Original Integration
CARBON DISULFIDE

Abundance on 76.00 (75.70 to 76.70): C22V21453.D



Original Int. Results

RT : 2.27
Area : 943
Amount: 0.146388

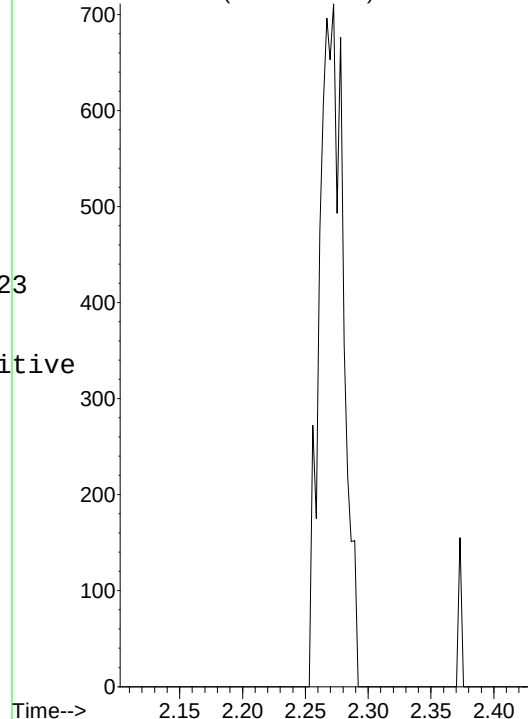
Manual Int. Results

Thu Aug 03 08:25:19 2023

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CARBON DISULFIDE

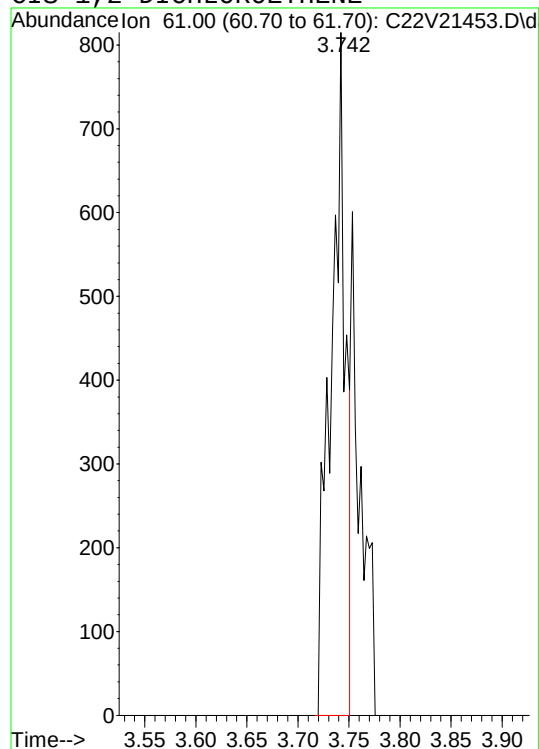
Abundance on 76.00 (75.70 to 76.70): C22V21453.D



Data Path : C:\msdchem\1\data\C080223\
Data File : C22V21453.D
Acq On : 3 Aug 2023 8:04 am
Operator :
Sample : 23G3932-16
Misc :

Quant Time : Thu Aug 03 08:25:41 2023
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Fri Apr 21 09:50:20 2023

Original Integration
CIS-1,2-DICHLOROETHENE



Original Int. Results

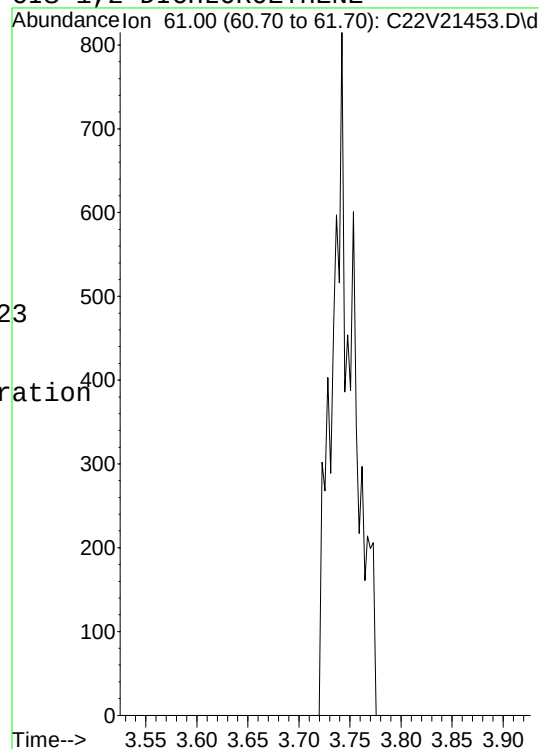
RT : 3.74
Area : 817
Amount: 0.231044

Manual Int. Results

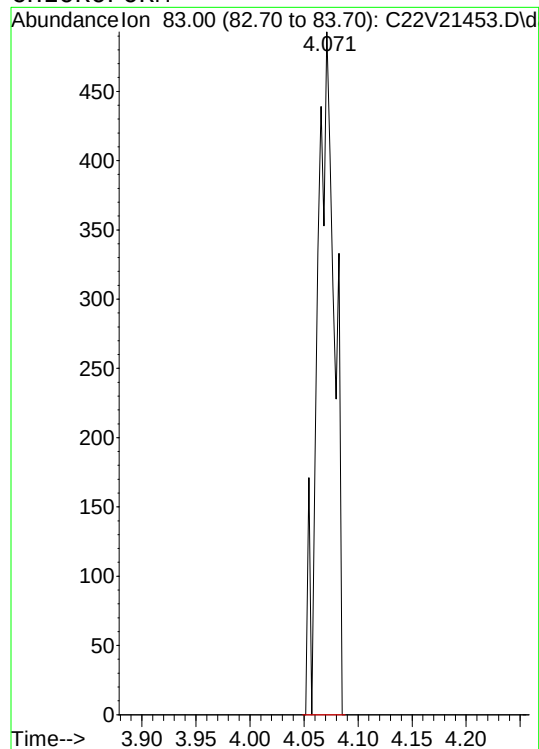
Thu Aug 03 08:25:24 2023

MIuser: MFF
Reason: Incoret Integration
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CIS-1,2-DICHLOROETHENE



Original Integration
CHLOROFORM



Original Int. Results

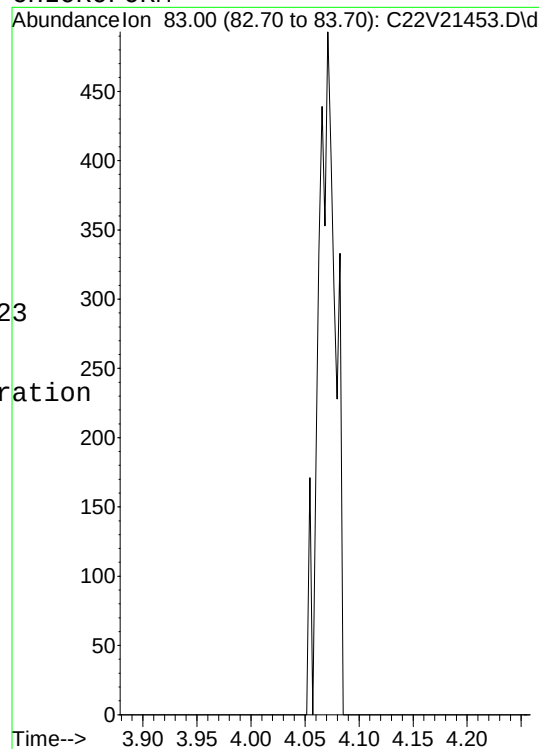
RT : 4.07
Area : 543
Amount: 0.138852

Manual Int. Results

Thu Aug 03 08:25:28 2023

MIuser: MFF
Reason: Incoret Integration
RT : 0.00
Area : 0
Amount: 0

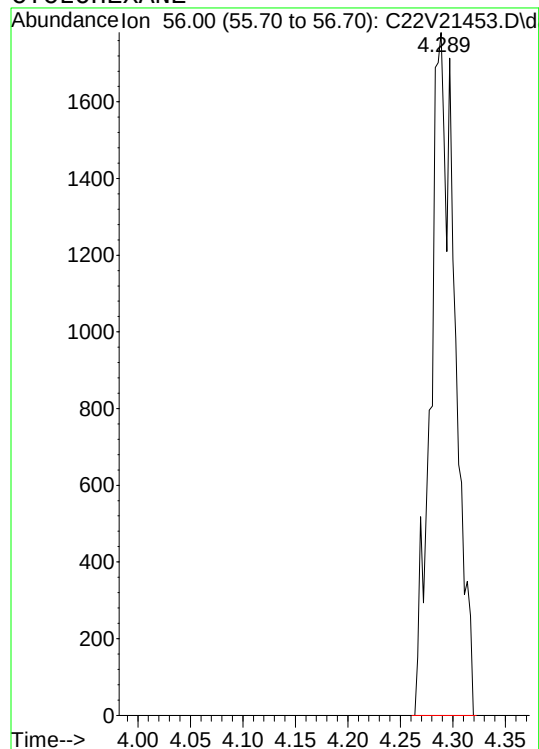
Manual Integration
CHLOROFORM



Data Path : C:\msdchem\1\data\C080223\
Data File : C22V21453.D
Acq On : 3 Aug 2023 8:04 am
Operator :
Sample : 23G3932-16
Misc :

Quant Time : Thu Aug 03 08:25:41 2023
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Fri Apr 21 09:50:20 2023

Original Integration
CYCLOHEXANE



Original Int. Results

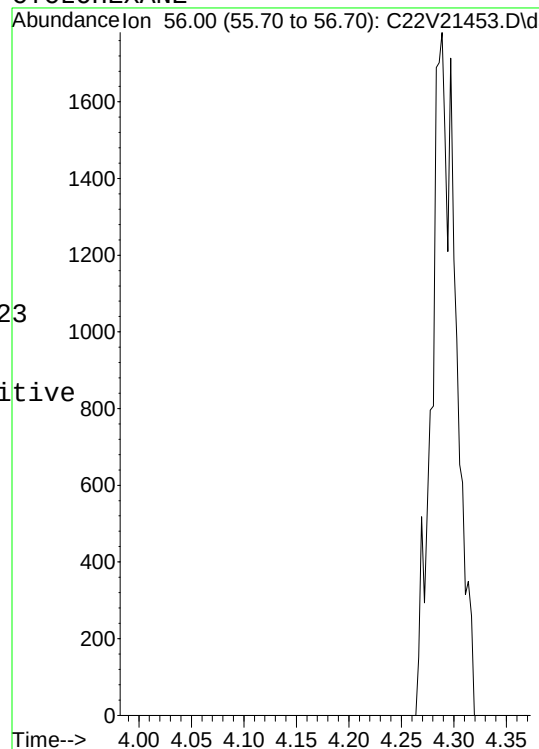
RT : 4.29
Area : 2857
Amount: 0.783324

Manual Int. Results

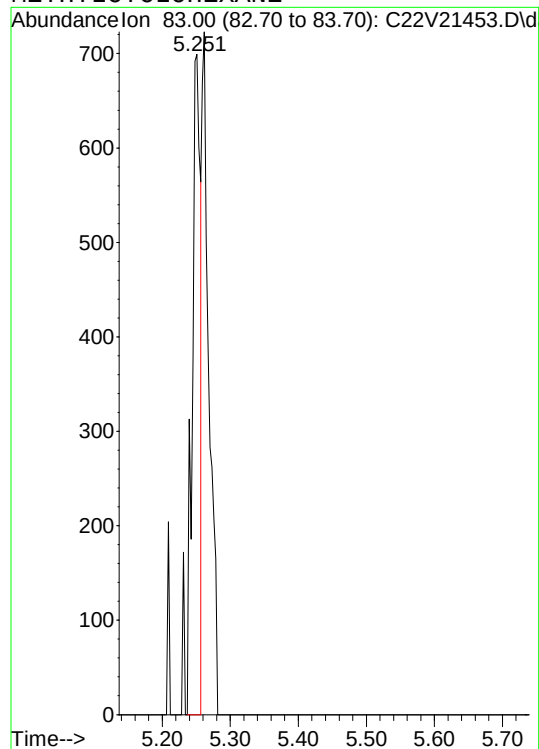
Thu Aug 03 08:25:35 2023

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CYCLOHEXANE



Original Integration
METHYLCYCLOHEXANE



Original Int. Results

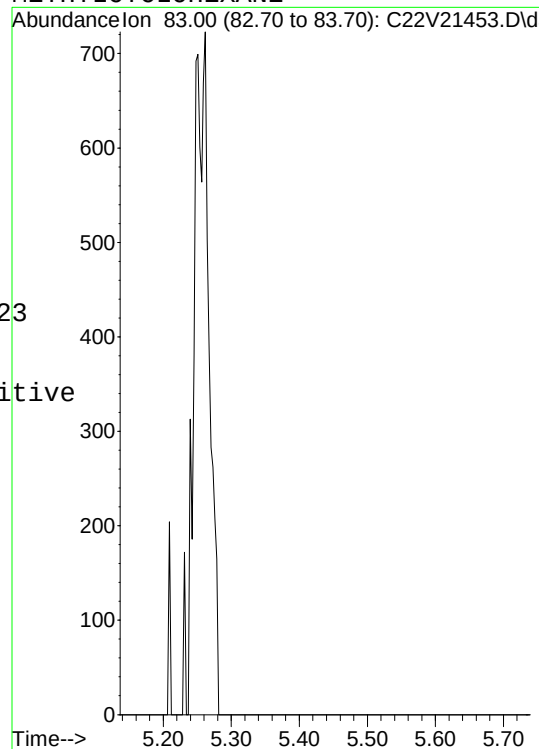
RT : 5.25
Area : 575
Amount: 0.21778

Manual Int. Results

Thu Aug 03 08:25:40 2023

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
METHYLCYCLOHEXANE



1 - FORM I

ANALYSIS DATA SHEET

191

NW-05

Laboratory:	Pace New England	Work Order:	23G3932
Client:	NYDEC_AECOM - Buffalo, NY	Project:	C.A.E. Electronics_CAT B - CO 147580
Matrix:	Ground Water	Laboratory ID:	23G3932-17
		File ID:	C22V21454.D
Sampled:	07/27/23 14:55	Prepared:	08/01/23 07:14
		Analyzed:	08/03/23 08:31
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B347625	Sequence:	S091452
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone		2.0	50	
71-43-2	Benzene		0.18	1.0	
74-97-5	Bromochloromethane		0.28	1.0	
75-27-4	Bromodichloromethane		0.16	0.50	
75-25-2	Bromoform		0.41	1.0	
74-83-9	Bromomethane		1.3	2.0	
78-93-3	2-Butanone (MEK)		1.7	20	
75-15-0	Carbon Disulfide		1.6	5.0	
56-23-5	Carbon Tetrachloride		0.16	5.0	V-05
108-90-7	Chlorobenzene		0.12	1.0	
124-48-1	Chlorodibromomethane		0.20	0.50	
75-00-3	Chloroethane		0.34	2.0	
67-66-3	Chloroform		0.14	2.0	
74-87-3	Chloromethane		0.50	2.0	
110-82-7	Cyclohexane		1.8	5.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.85	5.0	V-05
106-93-4	1,2-Dibromoethane (EDB)		0.16	0.50	
95-50-1	1,2-Dichlorobenzene		0.13	1.0	
541-73-1	1,3-Dichlorobenzene		0.14	1.0	
106-46-7	1,4-Dichlorobenzene		0.13	1.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.16	2.0	
75-34-3	1,1-Dichloroethane		0.14	1.0	
107-06-2	1,2-Dichloroethane		0.30	1.0	
75-35-4	1,1-Dichloroethylene		0.14	1.0	
156-59-2	cis-1,2-Dichloroethylene		0.14	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.17	1.0	
78-87-5	1,2-Dichloropropane		0.19	1.0	
10061-01-5	cis-1,3-Dichloropropene		0.16	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.14	0.50	
123-91-1	1,4-Dioxane		18	50	

1 - FORM I

ANALYSIS DATA SHEET

192

NW-05

Laboratory:	Pace New England	Work Order:	23G3932
Client:	NYDEC_AECOM - Buffalo, NY	Project:	C.A.E. Electronics_CAT B - CO 147580
Matrix:	Ground Water	Laboratory ID:	23G3932-17
		File ID:	C22V21454.D
Sampled:	07/27/23 14:55	Prepared:	08/01/23 07:14
		Analyzed:	08/03/23 08:31
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B347625	Sequence:	S091452
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
100-41-4	Ethylbenzene		0.22	1.0	
591-78-6	2-Hexanone (MBK)		1.2	10	
98-82-8	Isopropylbenzene (Cumene)		0.15	1.0	
79-20-9	Methyl Acetate		0.61	1.0	V-05
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.17	1.0	
108-87-2	Methyl Cyclohexane		0.16	1.0	
75-09-2	Methylene Chloride		0.18	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.3	10	
100-42-5	Styrene		0.15	1.0	
79-34-5	1,1,2,2-Tetrachloroethane		0.14	0.50	
127-18-4	Tetrachloroethylene		0.17	1.0	
108-88-3	Toluene		0.22	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.34	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.30	1.0	
71-55-6	1,1,1-Trichloroethane	0.43	0.15	1.0	J
79-00-5	1,1,2-Trichloroethane		0.19	1.0	
79-01-6	Trichloroethylene	0.64	0.17	1.0	J
75-69-4	Trichlorofluoromethane (Freon 11)		0.15	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	2.1	0.21	1.0	
75-01-4	Vinyl Chloride		0.24	2.0	
1330-20-7	Xylenes (total)		1.0	1.0	

Data Path : C:\msdchem\1\data\C080223\
 Data File : C22V21454.D
 Acq On : 3 Aug 2023 8:31 am
 Operator :
 Sample : 23G3932-17
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

Inst : GCMSVOA3

Quant Time: Aug 03 08:52:02 2023
 Quant Method : C:\msdchem\1\methods\C080822.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Fri Apr 21 09:50:20 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	4.292	168	155701	30.00	UG/L	0.00
48) 1,4-DIFLUOROBENZENE - ...	5.011	114	233800	30.00	UG/L	0.00
70) CHLOROBENZENE-D5 ISTD	7.842	82	113923	30.00	UG/L	0.00
89) 1,4-DICHLOROBENZENE-D4...	10.139	152	101017	30.00	UG/L	# 0.00
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.565	65	74739	25.58	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	102.32%		
49) TOLUENE SS	6.444	98	229605	24.80	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	99.20%		
71) 4-BROMOFLUOROBENZENE SS	9.002	95	70906	20.99	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	83.96%		
Target Compounds						
16) 1,1,2-TRICL-1,2,2-TRIF...	2.100	101	4149	2.12	UG/L	# 52
41) 1,1,1-TRICHLOROETHANE	4.247	97	1424	0.43	UG/L	# 1
51) TRICHLOROETHENE	5.257	95	1377m	0.64	UG/L	

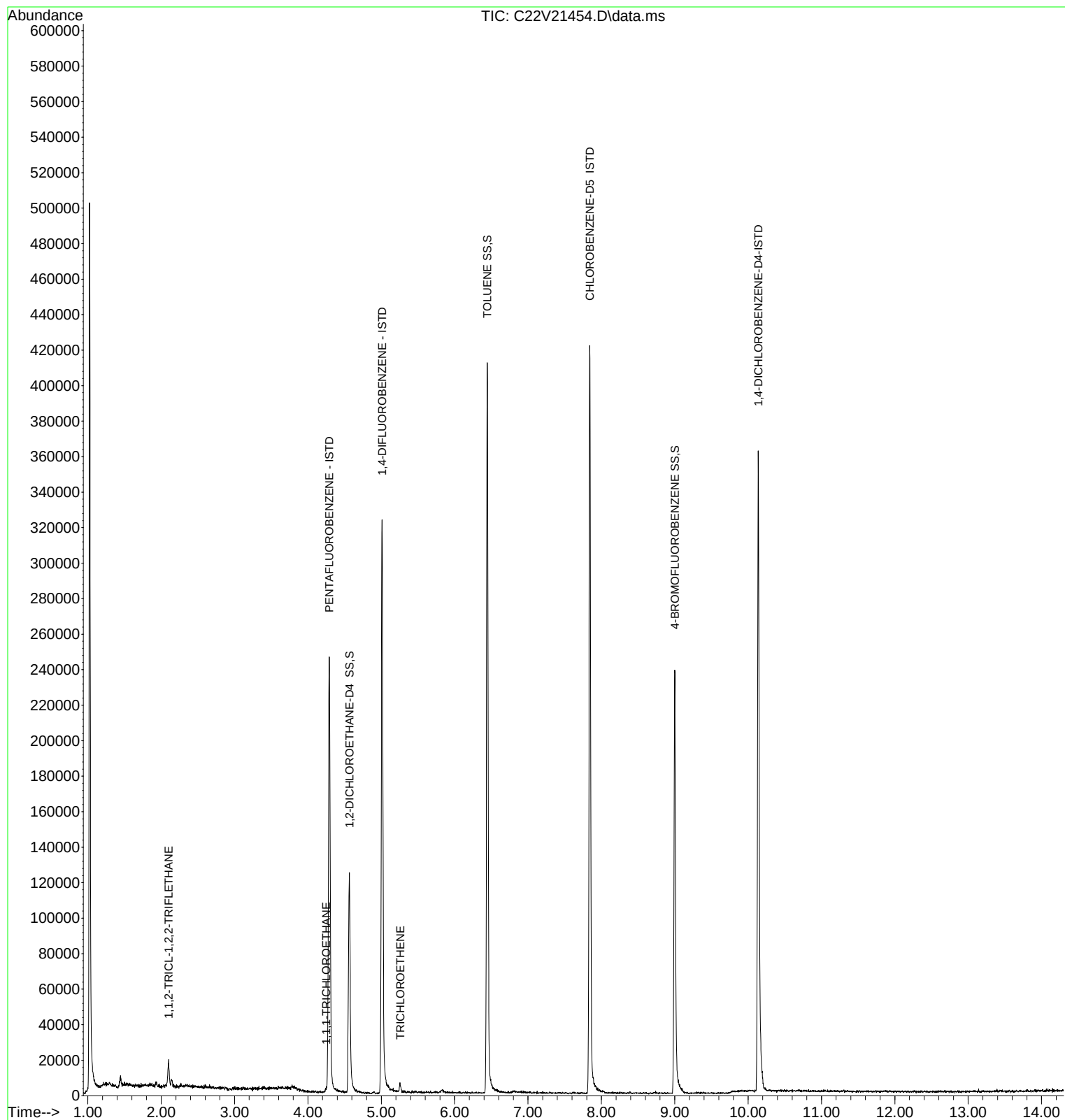
(#) = qualifier out of range (m) = manual integration (+) = signals summed

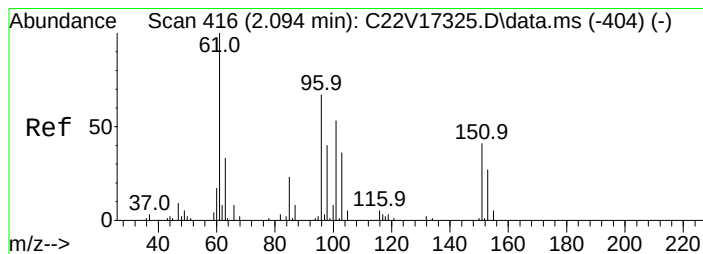
Data Path : C:\msdchem\1\data\C080223\
Data File : C22V21454.D
Acq On : 3 Aug 2023 8:31 am
Operator :
Sample : 23G3932-17
Misc :
ALS Vial : 54 Sample Multiplier: 1

194

Inst : GCMSV0A3

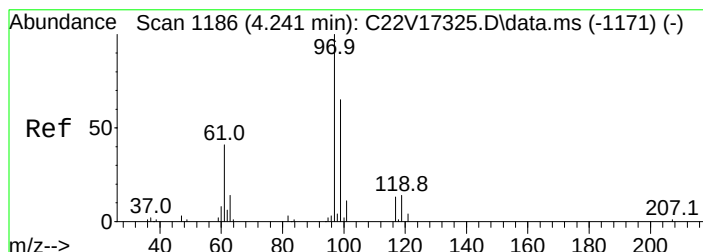
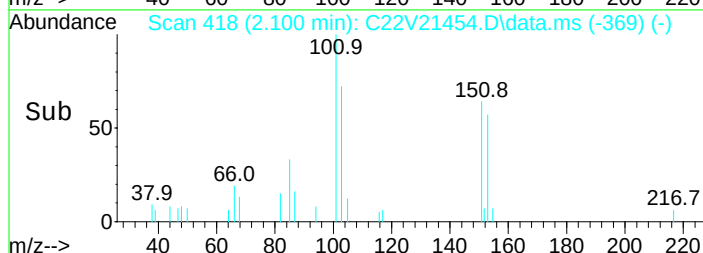
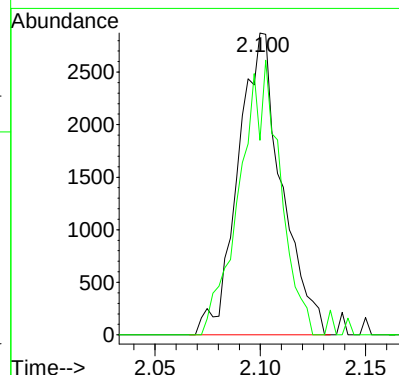
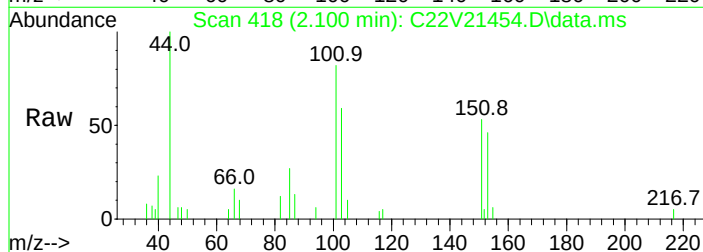
Quant Time: Aug 03 08:52:02 2023
Quant Method : C:\msdchem\1\methods\C080822.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Fri Apr 21 09:50:20 2023
Response via : Initial Calibration





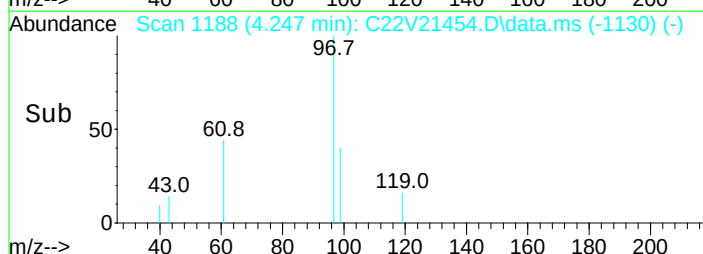
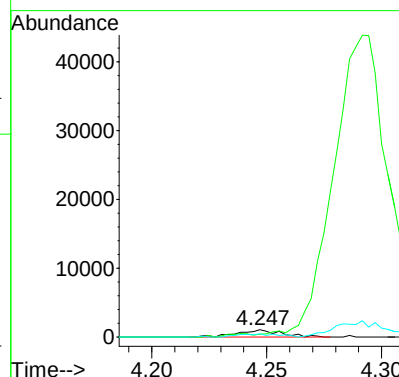
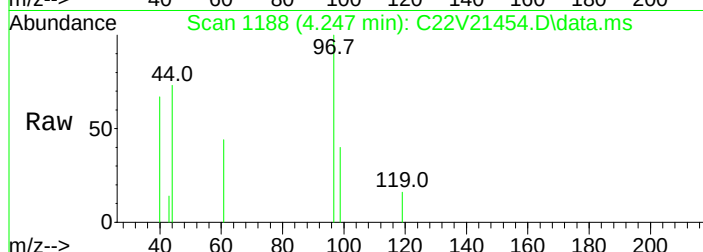
#16
 1,1,2-TRICL-1,2,2-TRIFLETHANE
 Concen: 2.12 UG/L
 RT: 2.100 min Scan# 418
 Delta R.T. 0.006 min
 Lab File: C22V21454.D
 Acq: 3 Aug 2023 8:31 am

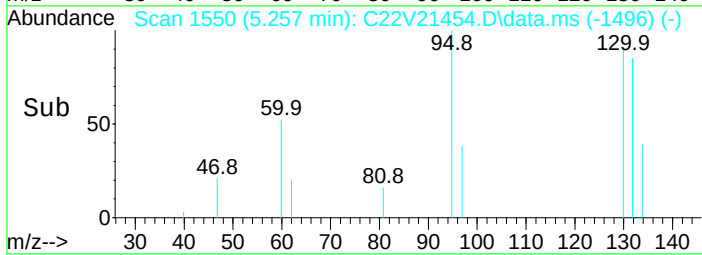
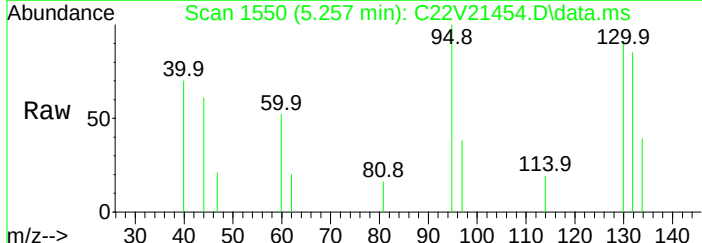
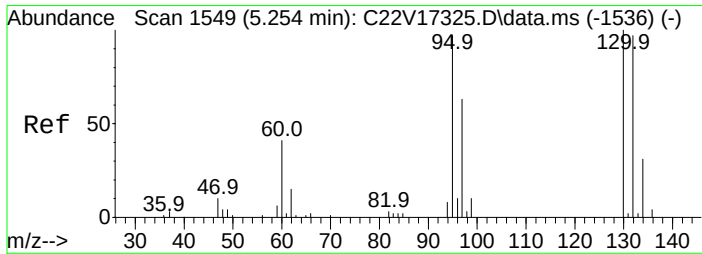
Tgt Ion: 101 Resp: 4149
 Ion Ratio Lower Upper
 101 100
 151 46.0 73.8 110.8#



#41
 1,1,1-TRICHLOROETHANE
 Concen: 0.43 UG/L
 RT: 4.247 min Scan# 1188
 Delta R.T. 0.000 min
 Lab File: C22V21454.D
 Acq: 3 Aug 2023 8:31 am

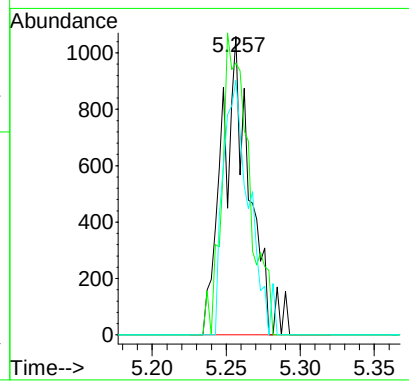
Tgt Ion: 97 Resp: 1424
 Ion Ratio Lower Upper
 97 100
 99 5161.3 52.7 79.1#
 61 247.3 33.4 50.2#





#51
 TRICHLOROETHENE
 Concen: 0.64 UG/L m
 RT: 5.257 min Scan# 1550
 Delta R.T. 0.000 min
 Lab File: C22V21454.D
 Acq: 3 Aug 2023 8:31 am

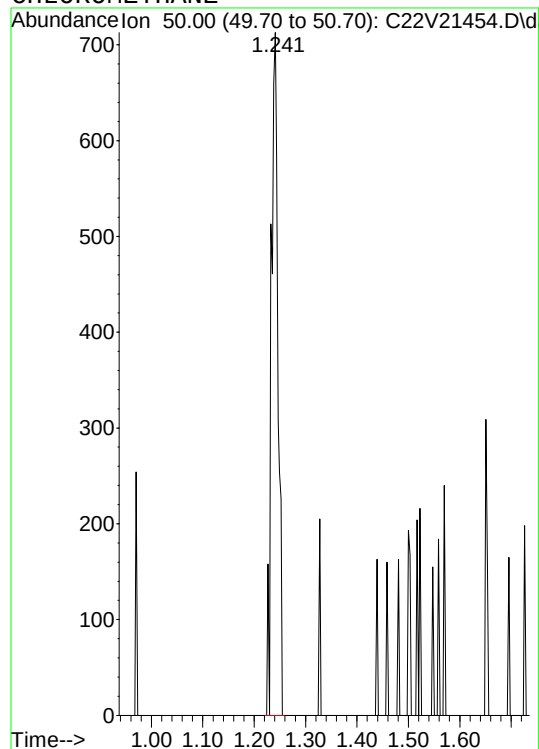
Tgt Ion:	95	Resp:	1377
Ion Ratio	Lower	Upper	
95	100		
130	97.5	85.7	128.5
132	79.2	84.7	127.1#



Data Path : C:\msdchem\1\data\C080223\
Data File : C22V21454.D
Acq On : 3 Aug 2023 8:31 am
Operator :
Sample : 23G3932-17
Misc :

Quant Time : Thu Aug 03 08:52:02 2023
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Fri Apr 21 09:50:20 2023

Original Integration
CHLOROMETHANE



Original Int. Results

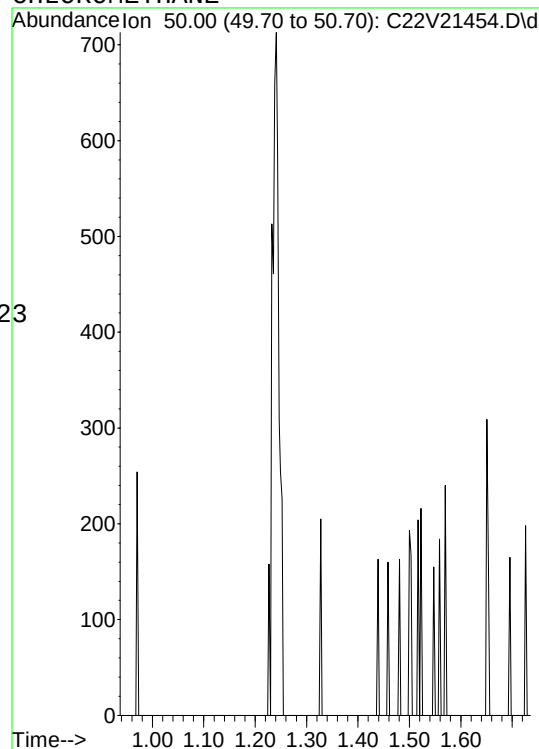
RT : 1.24
Area : 649
Amount: 0.176237

Manual Int. Results

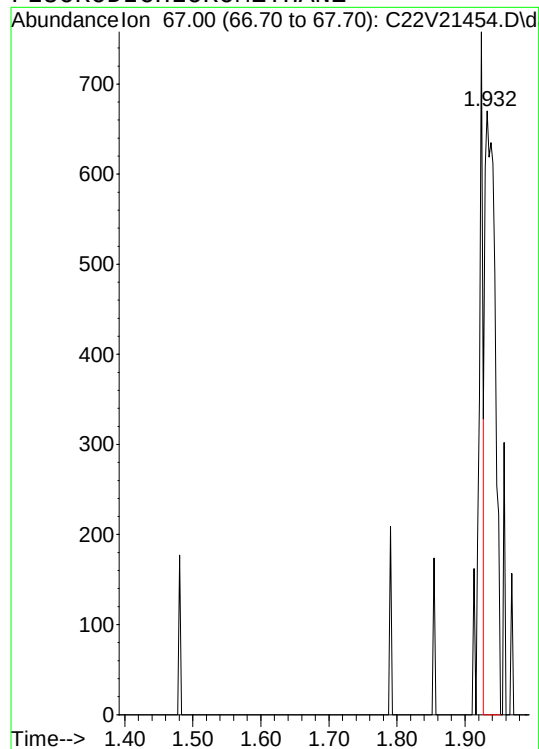
Thu Aug 03 08:51:27 2023

MIuser: MFF
Reason: Split Peak
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CHLOROMETHANE



Original Integration
FLUORODICHLOROMETHANE



Original Int. Results

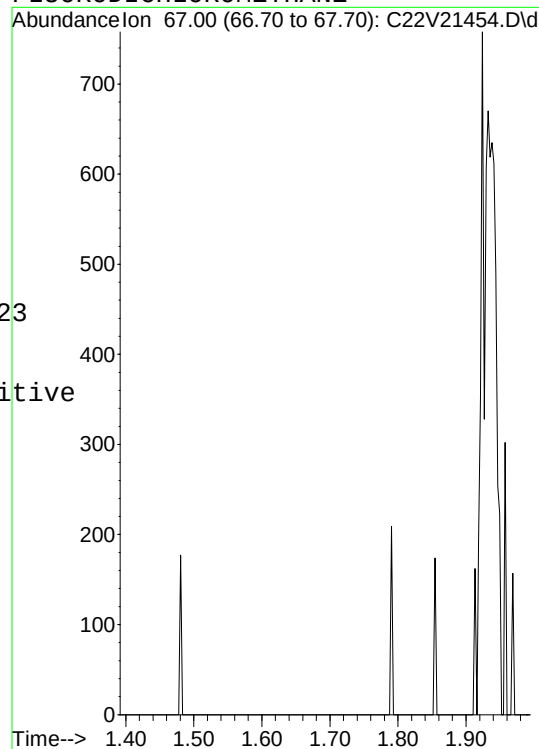
RT : 1.93
Area : 688
Amount: 0.157752

Manual Int. Results

Thu Aug 03 08:51:27 2023

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
FLUORODICHLOROMETHANE

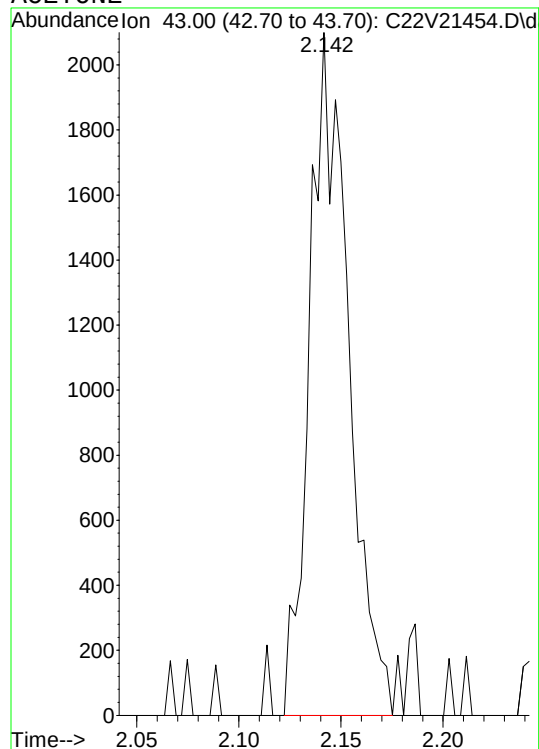


Data Path : C:\msdchem\1\data\C080223\
Data File : C22V21454.D
Acq On : 3 Aug 2023 8:31 am
Operator :
Sample : 23G3932-17
Misc :

Quant Time : Thu Aug 03 08:52:02 2023
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Fri Apr 21 09:50:20 2023

Original Integration

ACETONE



Original Int. Results

RT : 2.14
Area : 2789
Amount: 2.95112

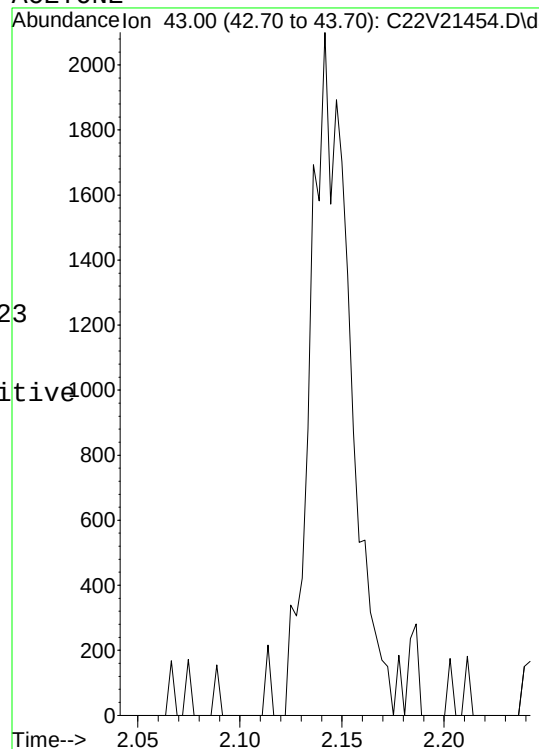
Manual Int. Results

Thu Aug 03 08:51:26 2023

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

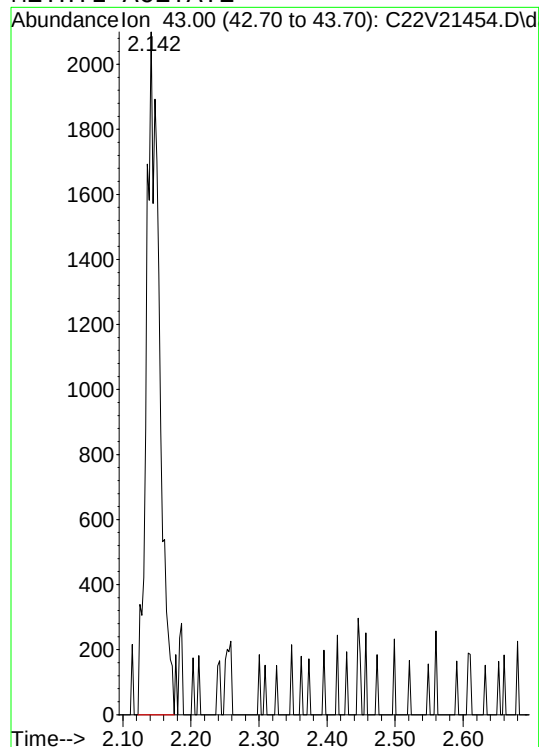
Manual Integration

ACETONE



Original Integration

METHYL ACETATE



Original Int. Results

RT : 2.14
Area : 2789
Amount: 0.758082

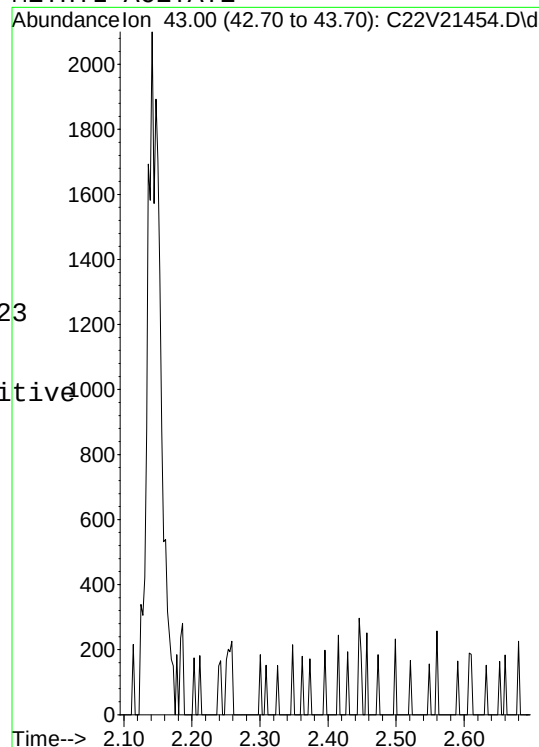
Manual Int. Results

Thu Aug 03 08:51:31 2023

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration

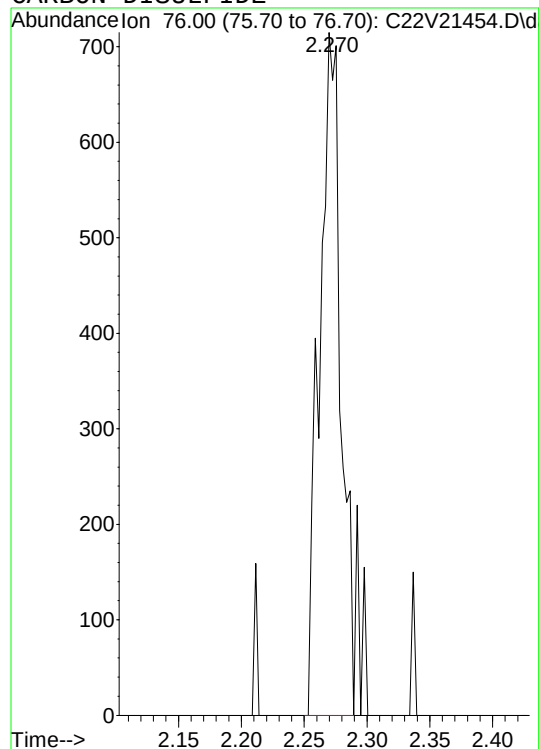
METHYL ACETATE



Data Path : C:\msdchem\1\data\C080223\
Data File : C22V21454.D
Acq On : 3 Aug 2023 8:31 am
Operator :
Sample : 23G3932-17
Misc :

Quant Time : Thu Aug 03 08:52:02 2023
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Fri Apr 21 09:50:20 2023

Original Integration
CARBON DISULFIDE



Original Int. Results

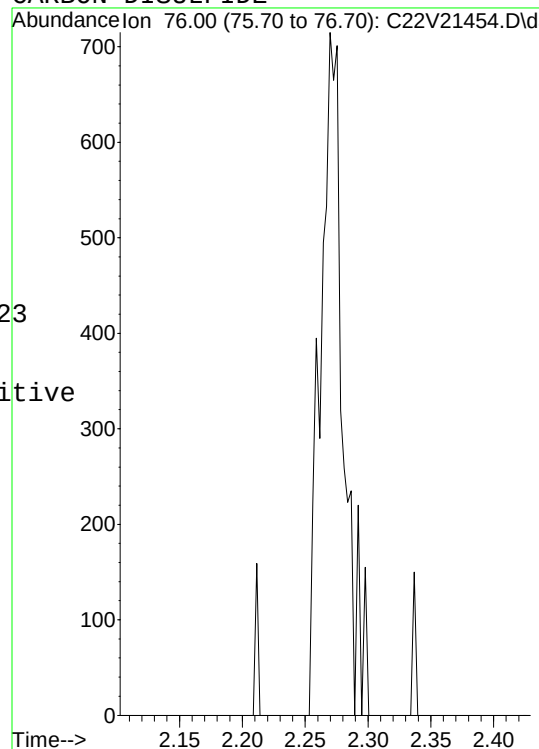
RT : 2.27
Area : 845
Amount: 0.130199

Manual Int. Results

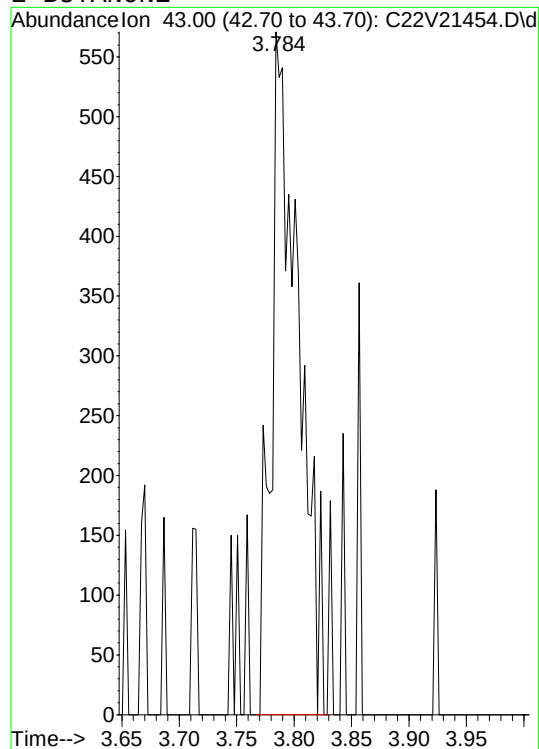
Thu Aug 03 08:51:35 2023

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CARBON DISULFIDE



Original Integration
2-BUTANONE



Original Int. Results

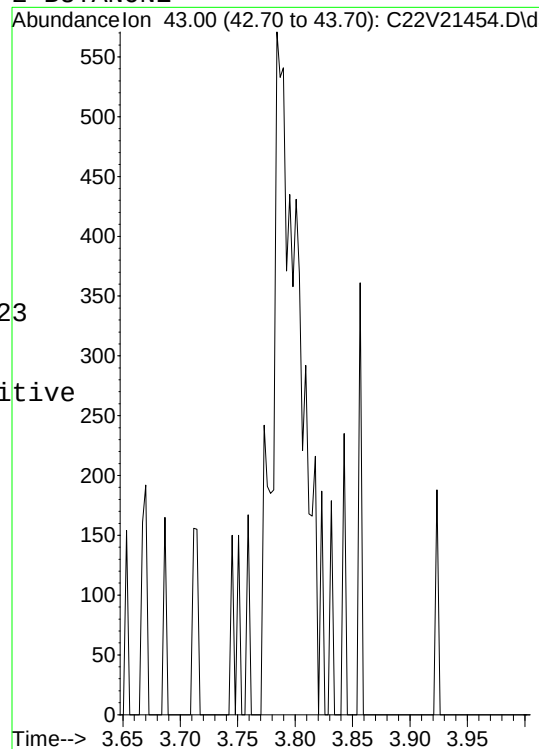
RT : 3.78
Area : 948
Amount: 0.693437

Manual Int. Results

Thu Aug 03 08:51:39 2023

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
2-BUTANONE



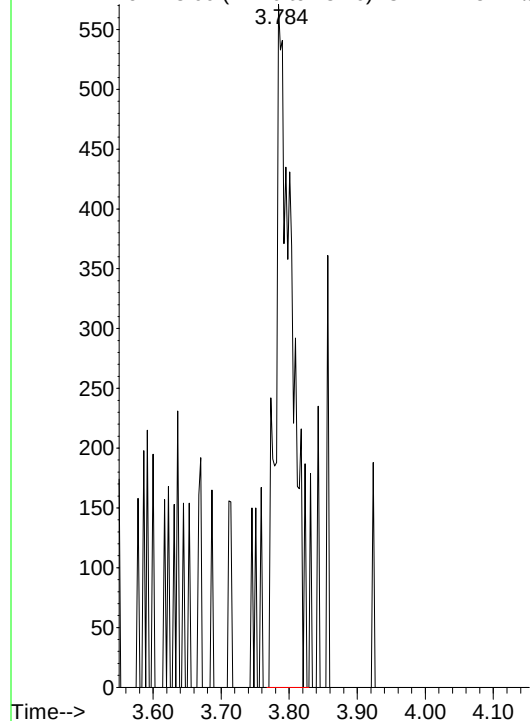
Data Path : C:\msdchem\1\data\C080223\
Data File : C22V21454.D
Acq On : 3 Aug 2023 8:31 am
Operator :
Sample : 23G3932-17
Misc :

Quant Time : Thu Aug 03 08:52:02 2023
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Fri Apr 21 09:50:20 2023

Original Integration

ETHYL ACETATE

Abundance Ion 43.00 (42.70 to 43.70): C22V21454.D



Original Int. Results

RT : 3.78
Area : 948
Amount: 0.280749

Manual Int. Results

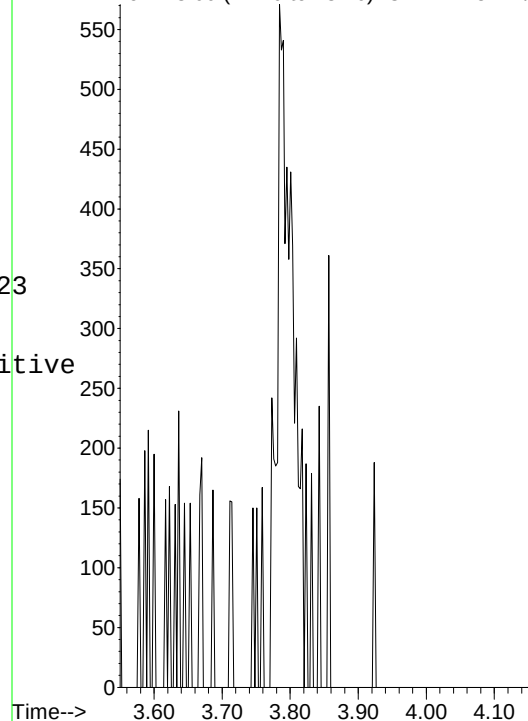
Thu Aug 03 08:51:53 2023

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration

ETHYL ACETATE

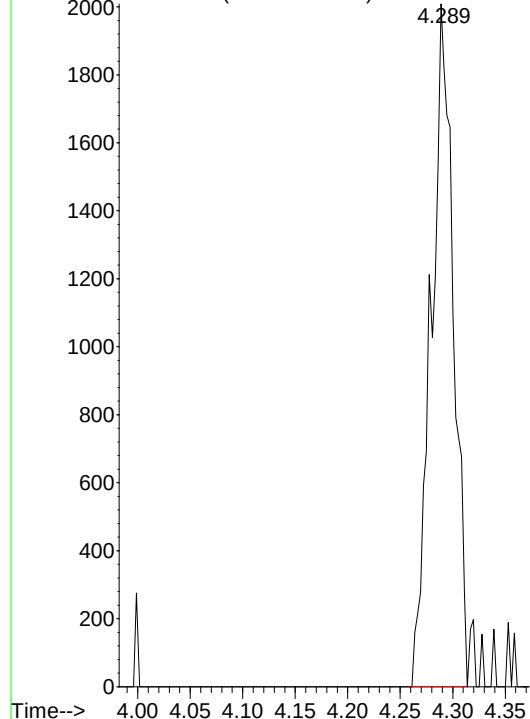
Abundance Ion 43.00 (42.70 to 43.70): C22V21454.D



Original Integration

CYCLOHEXANE

Abundance Ion 56.00 (55.70 to 56.70): C22V21454.D



Original Int. Results

RT : 4.29
Area : 2956
Amount: 0.80444

Manual Int. Results

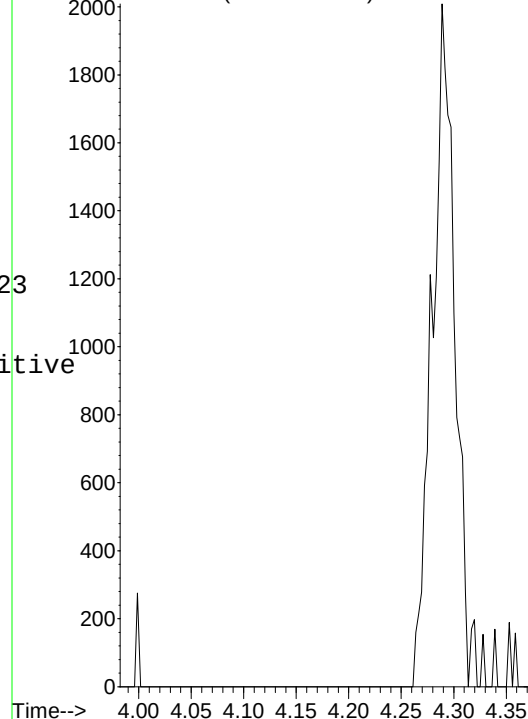
Thu Aug 03 08:51:58 2023

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration

CYCLOHEXANE

Abundance Ion 56.00 (55.70 to 56.70): C22V21454.D

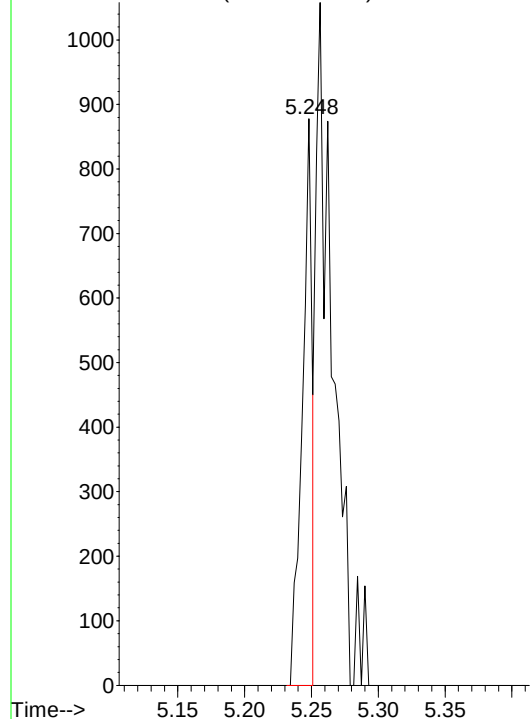


Data Path : C:\msdchem\1\data\C080223\
Data File : C22V21454.D
Acq On : 3 Aug 2023 8:31 am
Operator :
Sample : 23G3932-17
Misc :

Quant Time : Thu Aug 03 08:52:02 2023
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Fri Apr 21 09:50:20 2023

Original Integration
TRICHLOROETHENE

Abundance on 95.00 (94.70 to 95.70): C22V21454.D



Original Int. Results

RT : 5.25
Area : 445
Amount: 0.20626

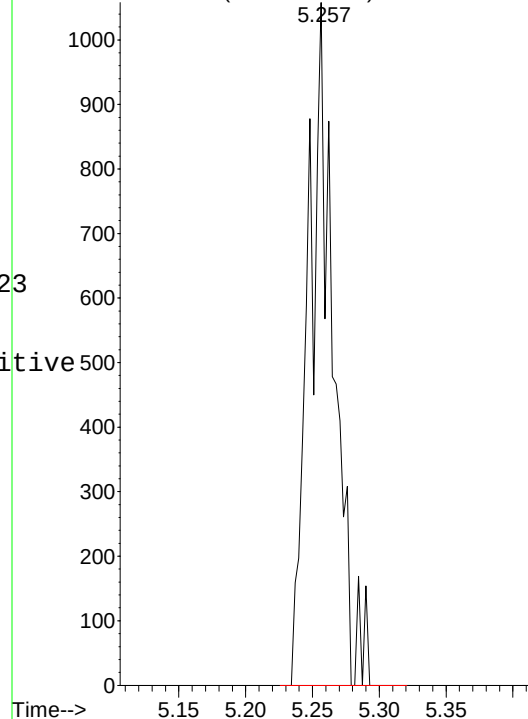
Manual Int. Results

Thu Aug 03 08:52:02 2023

MIuser: MFF
Reason: Qdel False Positive
RT : 5.26
Area : 1377
Amount: 0.638246

Manual Integration
TRICHLOROETHENE

Abundance on 95.00 (94.70 to 95.70): C22V21454.D



1 - FORM I

ANALYSIS DATA SHEET

202

TB-270723

Laboratory:	Pace New England	Work Order:	23G3932
Client:	NYDEC_AECOM - Buffalo, NY	Project:	C.A.E. Electronics_CAT B - CO 147580
Matrix:	Trip Blank Water	Laboratory ID:	23G3932-18
		File ID:	C22V21437.D
Sampled:	07/27/23 00:00	Prepared:	08/01/23 07:14
		Analyzed:	08/03/23 01:01
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B347625	Sequence:	S091452
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone		2.0	50	
71-43-2	Benzene		0.18	1.0	
74-97-5	Bromochloromethane		0.28	1.0	
75-27-4	Bromodichloromethane		0.16	0.50	
75-25-2	Bromoform		0.41	1.0	
74-83-9	Bromomethane		1.3	2.0	
78-93-3	2-Butanone (MEK)		1.7	20	
75-15-0	Carbon Disulfide		1.6	5.0	
56-23-5	Carbon Tetrachloride		0.16	5.0	V-05
108-90-7	Chlorobenzene		0.12	1.0	
124-48-1	Chlorodibromomethane		0.20	0.50	
75-00-3	Chloroethane		0.34	2.0	
67-66-3	Chloroform		0.14	2.0	
74-87-3	Chloromethane		0.50	2.0	
110-82-7	Cyclohexane		1.8	5.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.85	5.0	V-05
106-93-4	1,2-Dibromoethane (EDB)		0.16	0.50	
95-50-1	1,2-Dichlorobenzene		0.13	1.0	
541-73-1	1,3-Dichlorobenzene		0.14	1.0	
106-46-7	1,4-Dichlorobenzene		0.13	1.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.16	2.0	
75-34-3	1,1-Dichloroethane		0.14	1.0	
107-06-2	1,2-Dichloroethane		0.30	1.0	
75-35-4	1,1-Dichloroethylene		0.14	1.0	
156-59-2	cis-1,2-Dichloroethylene		0.14	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.17	1.0	
78-87-5	1,2-Dichloropropane		0.19	1.0	
10061-01-5	cis-1,3-Dichloropropene		0.16	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.14	0.50	
123-91-1	1,4-Dioxane		18	50	

1 - FORM I

ANALYSIS DATA SHEET

203

TB-270723

Laboratory:	Pace New England	Work Order:	23G3932
Client:	NYDEC_AECOM - Buffalo, NY	Project:	C.A.E. Electronics_CAT B - CO 147580
Matrix:	Trip Blank Water	Laboratory ID:	23G3932-18
		File ID:	C22V21437.D
Sampled:	07/27/23 00:00	Prepared:	08/01/23 07:14
		Analyzed:	08/03/23 01:01
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B347625	Sequence:	S091452
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
100-41-4	Ethylbenzene		0.22	1.0	
591-78-6	2-Hexanone (MBK)		1.2	10	
98-82-8	Isopropylbenzene (Cumene)		0.15	1.0	
79-20-9	Methyl Acetate		0.61	1.0	V-05
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.17	1.0	
108-87-2	Methyl Cyclohexane		0.16	1.0	
75-09-2	Methylene Chloride		0.18	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.3	10	
100-42-5	Styrene		0.15	1.0	
79-34-5	1,1,2,2-Tetrachloroethane		0.14	0.50	
127-18-4	Tetrachloroethylene		0.17	1.0	
108-88-3	Toluene		0.22	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.34	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.30	1.0	
71-55-6	1,1,1-Trichloroethane		0.15	1.0	
79-00-5	1,1,2-Trichloroethane		0.19	1.0	
79-01-6	Trichloroethylene		0.17	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.15	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 12)		0.21	1.0	
75-01-4	Vinyl Chloride		0.24	2.0	
1330-20-7	Xylenes (total)		1.0	1.0	

Data Path : C:\msdchem\1\data\C080223\
 Data File : C22V21437.D
 Acq On : 3 Aug 2023 1:01 am
 Operator :
 Sample : 23G3932-18 @ TB
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Inst : GCMSVOA3

Quant Time: Aug 03 07:48:27 2023
 Quant Method : C:\msdchem\1\methods\C080822.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Fri Apr 21 09:50:20 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

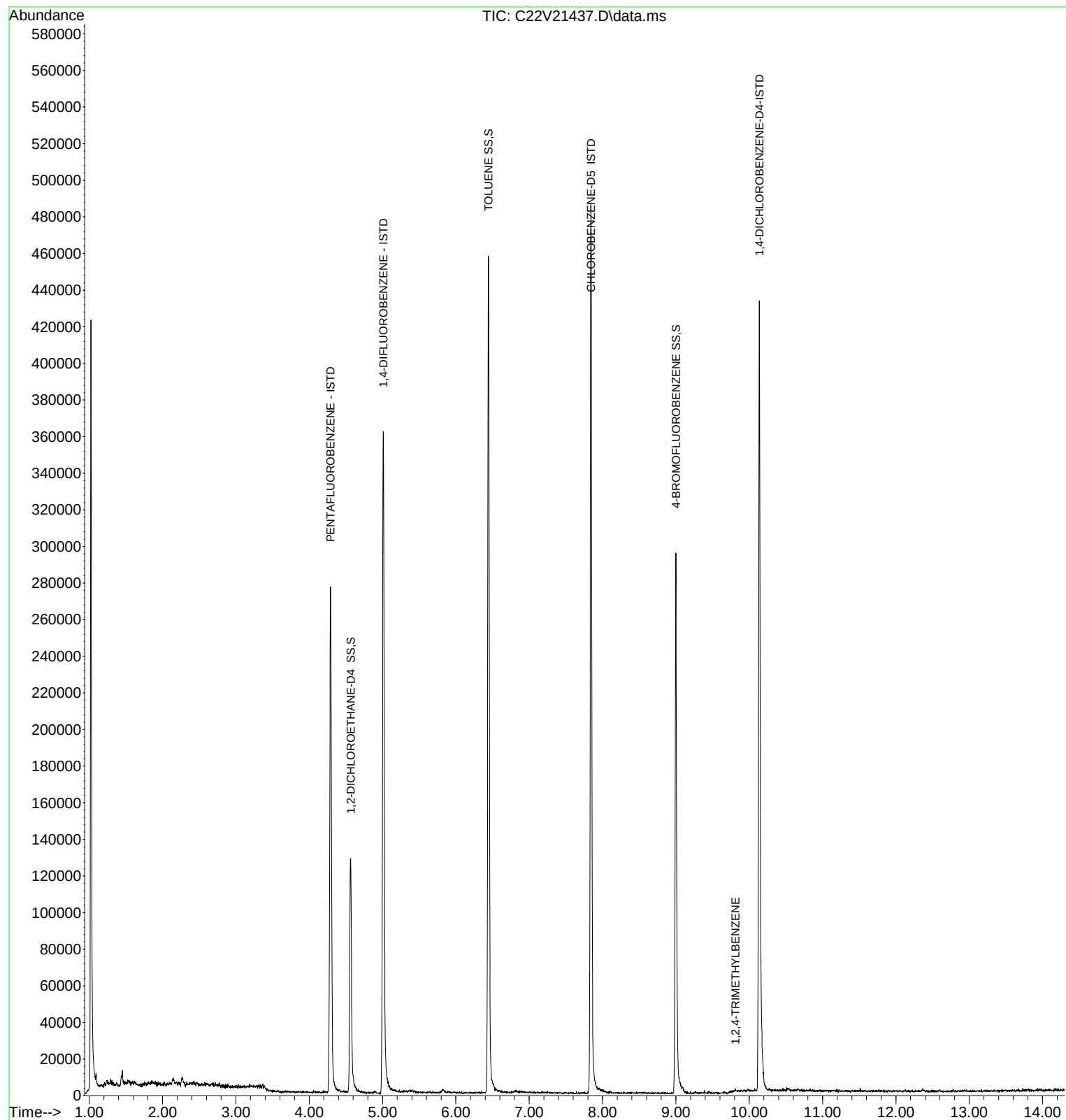
Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	4.292	168	176764	30.00	UG/L	0.00
48) 1,4-DIFLUOROBENZENE - ...	5.011	114	265955	30.00	UG/L	0.00
70) CHLOROBENZENE-D5 ISTD	7.841	82	128870	30.00	UG/L	0.00
89) 1,4-DICHLOROBENZENE-D4...	10.139	152	120203	30.00	UG/L	# 0.00
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.565	65	81433	24.55	UG/L	0.00
Spiked Amount 25.000	Range	70 - 130	Recovery	=	98.20%	
49) TOLUENE SS	6.444	98	263491	25.02	UG/L	0.00
Spiked Amount 25.000	Range	70 - 130	Recovery	=	100.08%	
71) 4-BROMOFLUOROBENZENE SS	8.999	95	83119	21.75	UG/L	0.00
Spiked Amount 25.000	Range	70 - 130	Recovery	=	87.00%	
Target Compounds						
91) 1,2,4-TRIMETHYLBENZENE	9.813	105	677	0.09	UG/L	Qvalue # 29

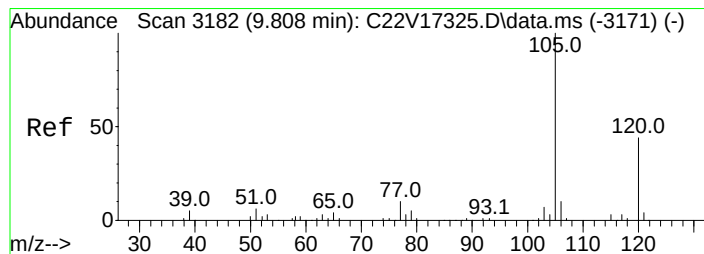
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\data\C080223\
Data File : C22V21437.D
Acq On : 3 Aug 2023 1:01 am
Operator :
Sample : 23G3932-18 @ TB
Misc :
ALS Vial : 37 Sample Multiplier: 1

Inst : GCMSVOA3

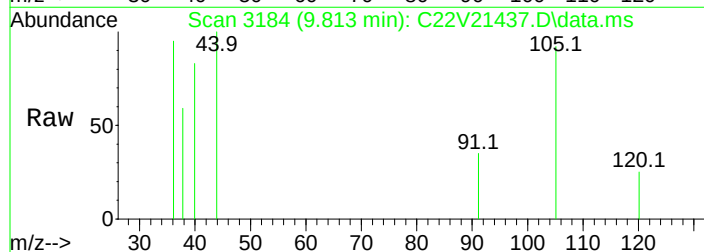
Quant Time: Aug 03 07:48:27 2023
Quant Method : C:\msdchem\1\methods\C080822.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Fri Apr 21 09:50:20 2023
Response via : Initial Calibration



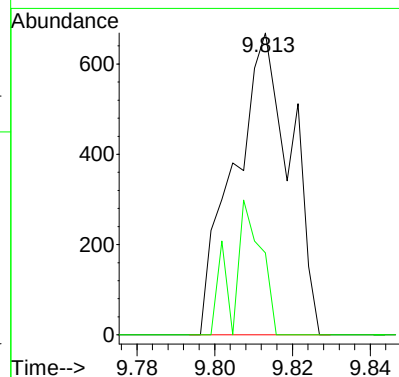
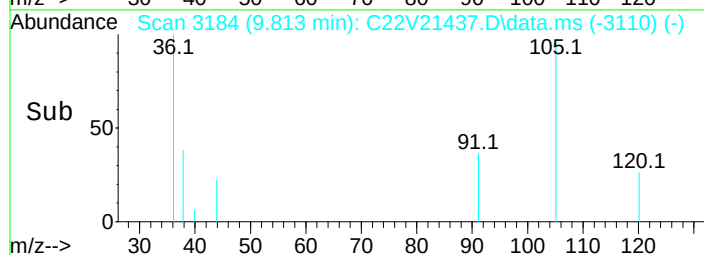


#91
 1,2,4-TRIMETHYLBENZENE
 Concen: 0.09 UG/L
 RT: 9.813 min Scan# 3184
 Delta R.T. 0.006 min
 Lab File: C22V21437.D
 Acq: 3 Aug 2023 1:01 am

206



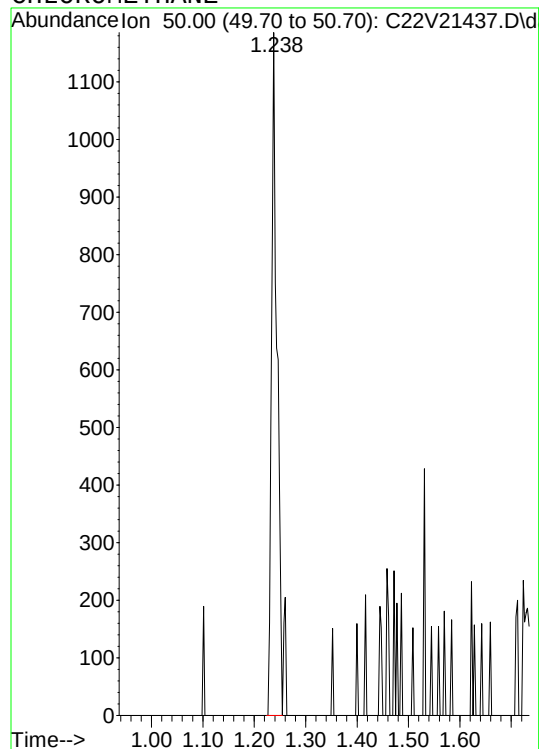
Tgt Ion:105 Resp: 677
 Ion Ratio Lower Upper
 105 100
 120 0.0 38.2 57.4#



Data Path : C:\msdchem\1\data\C080223\
Data File : C22V21437.D
Acq On : 3 Aug 2023 1:01 am
Operator :
Sample : 23G3932-18 @ TB
Misc :

Quant Time : Thu Aug 03 07:48:27 2023
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Fri Apr 21 09:50:20 2023

Original Integration
CHLOROMETHANE



Original Int. Results

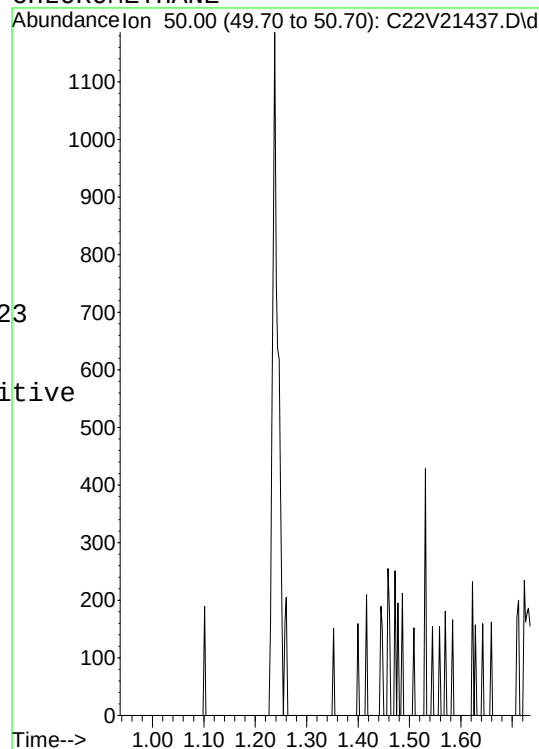
RT : 1.24
Area : 881
Amount: 0.21073

Manual Int. Results

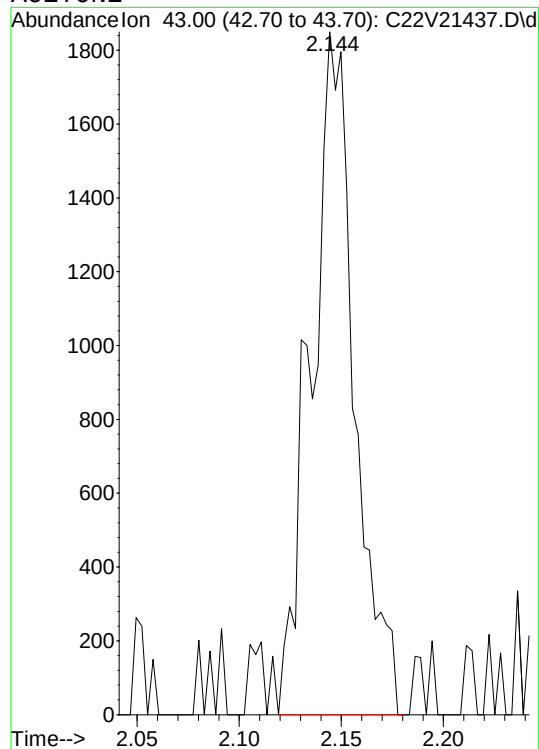
Thu Aug 03 07:48:27 2023

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CHLOROMETHANE



Original Integration
ACETONE



Original Int. Results

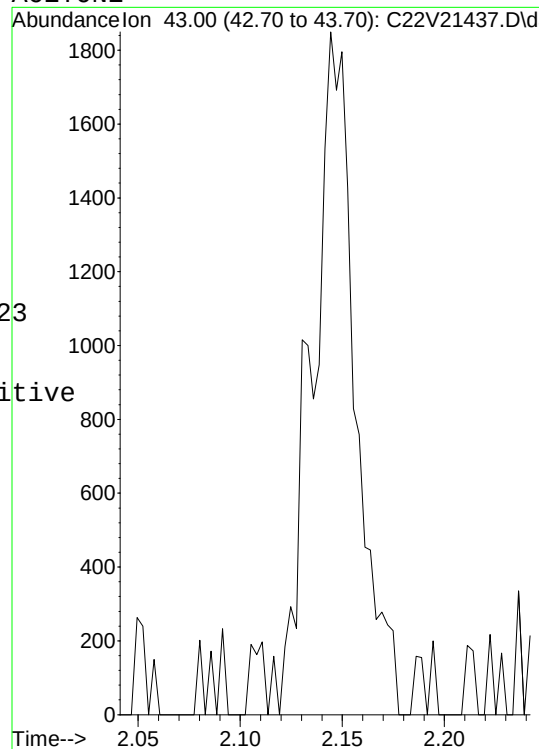
RT : 2.14
Area : 2731
Amount: 2.54541

Manual Int. Results

Thu Aug 03 07:48:27 2023

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

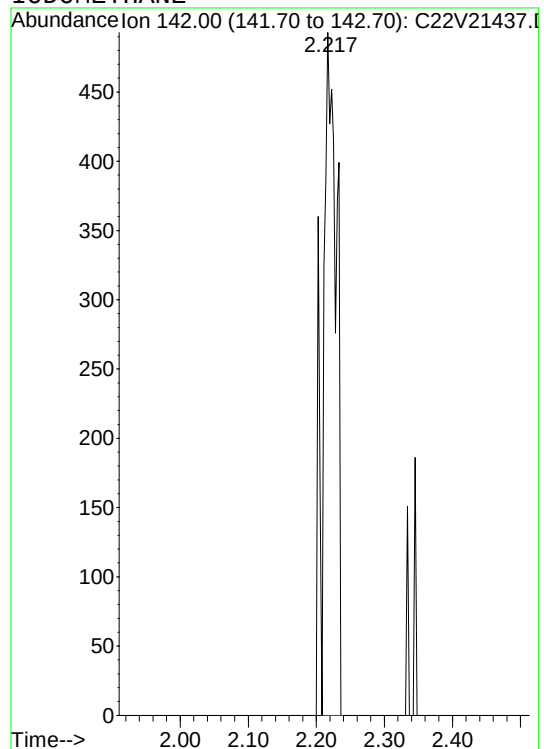
Manual Integration
ACETONE



Data Path : C:\msdchem\1\data\C080223\
Data File : C22V21437.D
Acq On : 3 Aug 2023 1:01 am
Operator :
Sample : 23G3932-18 @ TB
Misc :

Quant Time : Thu Aug 03 07:48:27 2023
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Fri Apr 21 09:50:20 2023

Original Integration
IODOMETHANE



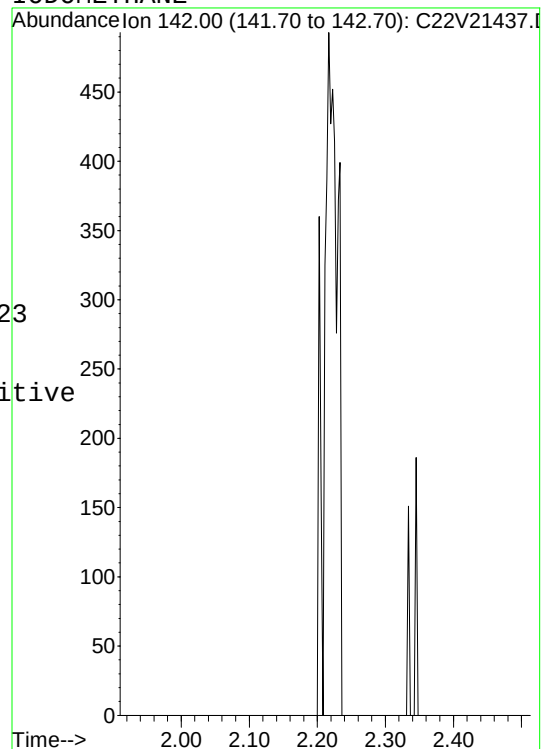
Original Int. Results

RT : 2.22
Area : 593
Amount: 0.185686

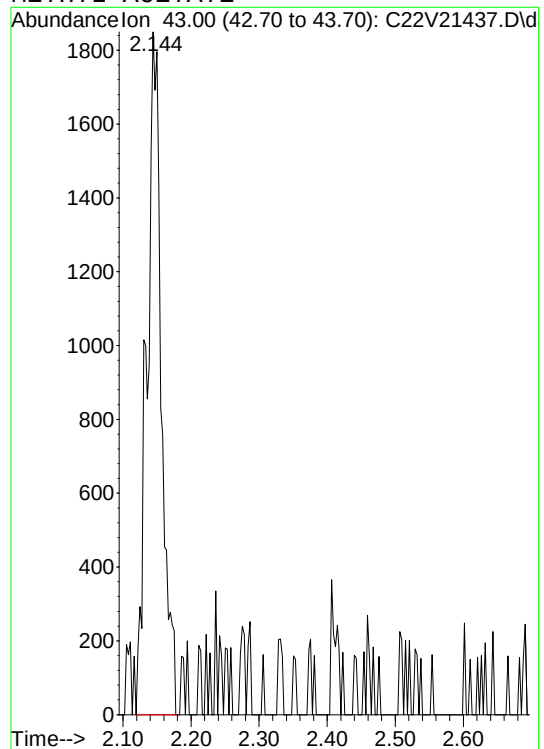
Manual Int. Results

Thu Aug 03 07:48:27 2023
MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
IODOMETHANE



Original Integration
METHYL ACETATE



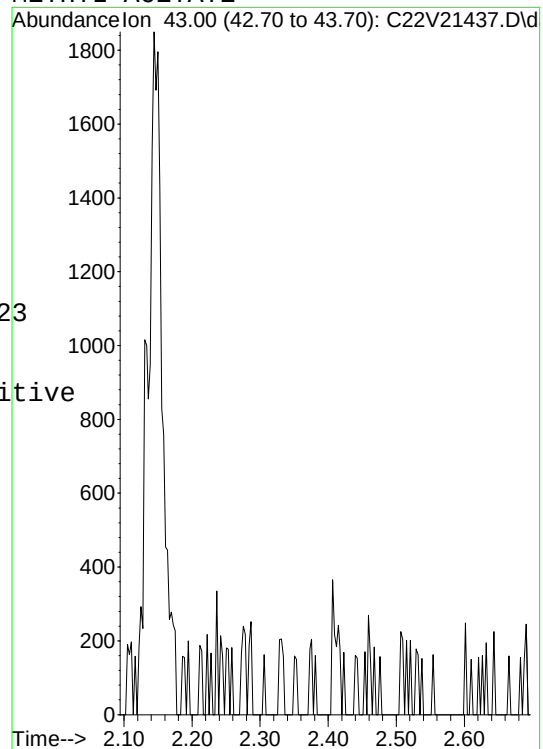
Original Int. Results

RT : 2.14
Area : 2731
Amount: 0.653864

Manual Int. Results

Thu Aug 03 07:48:27 2023
MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

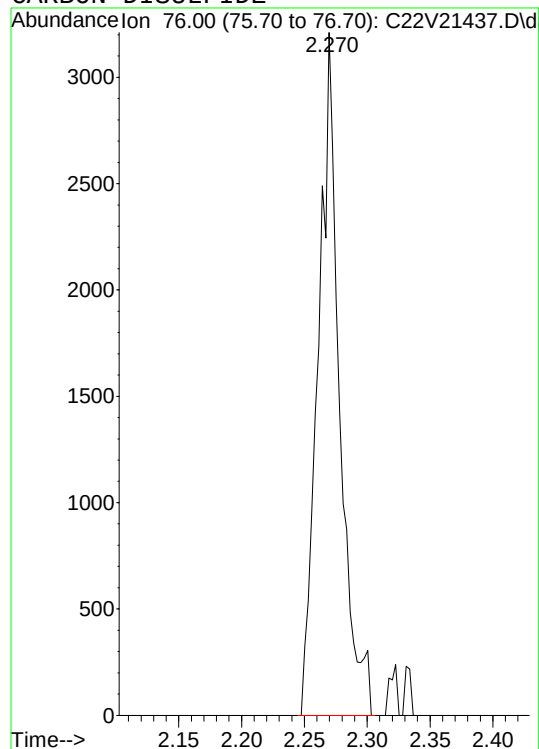
Manual Integration
METHYL ACETATE



Data Path : C:\msdchem\1\data\C080223\
Data File : C22V21437.D
Acq On : 3 Aug 2023 1:01 am
Operator :
Sample : 23G3932-18 @ TB
Misc :

Quant Time : Thu Aug 03 07:48:27 2023
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Fri Apr 21 09:50:20 2023

Original Integration
CARBON DISULFIDE



Original Int. Results

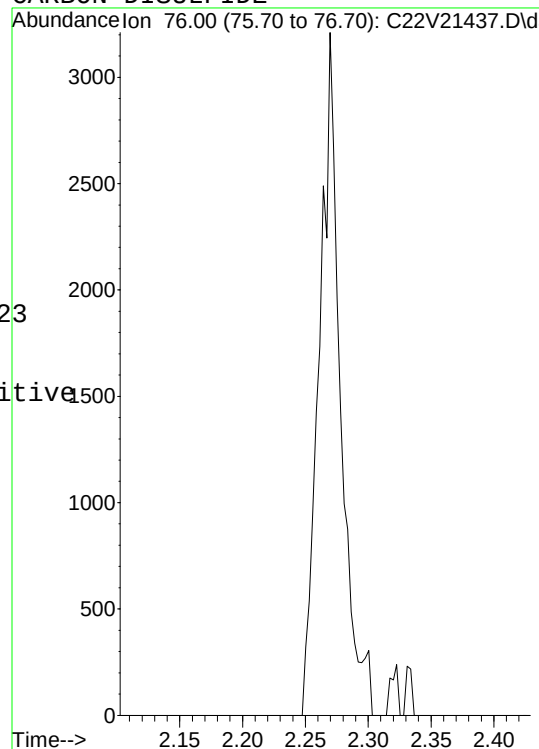
RT : 2.27
Area : 3806
Amount: 0.516557

Manual Int. Results

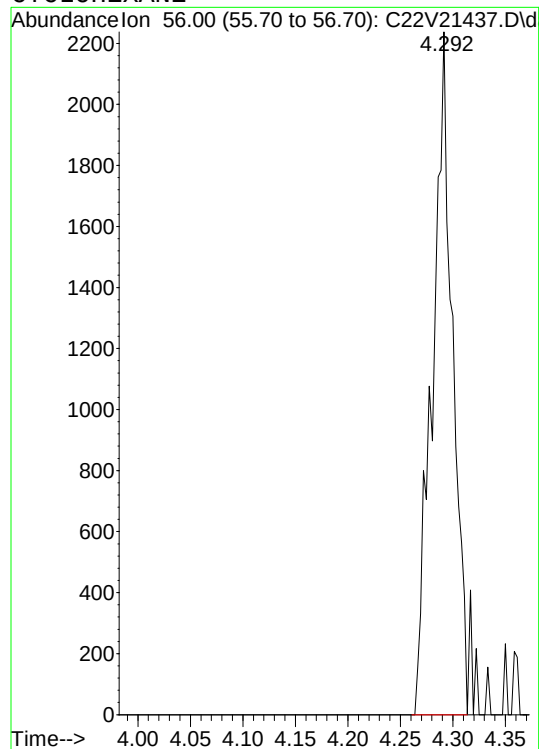
Thu Aug 03 07:48:26 2023

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CARBON DISULFIDE



Original Integration
CYCLOHEXANE



Original Int. Results

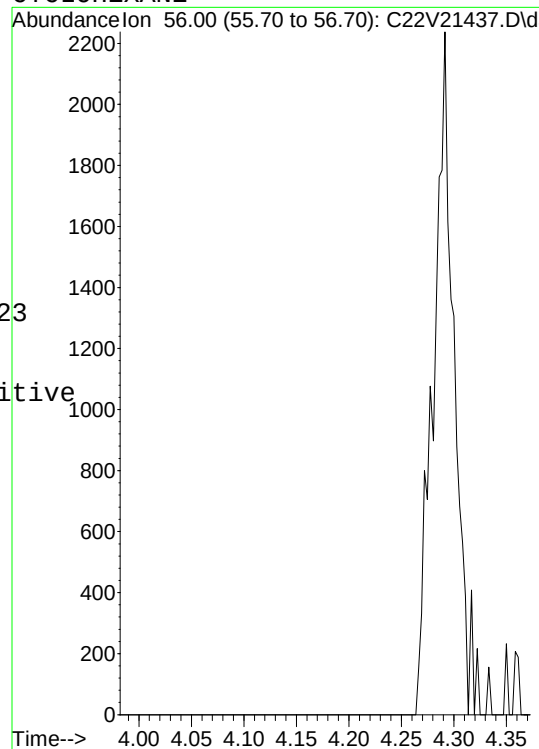
RT : 4.29
Area : 2993
Amount: 0.717453

Manual Int. Results

Thu Aug 03 07:48:26 2023

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

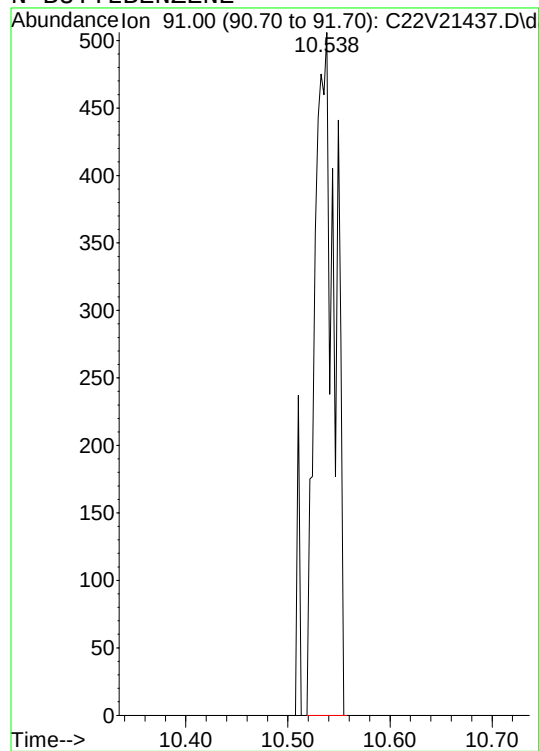
Manual Integration
CYCLOHEXANE



Data Path : C:\msdchem\1\data\C080223\
Data File : C22V21437.D
Acq On : 3 Aug 2023 1:01 am
Operator :
Sample : 23G3932-18 @ TB
Misc :

Quant Time : Thu Aug 03 07:48:27 2023
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Fri Apr 21 09:50:20 2023

Original Integration
N-BUTYLBENZENE



Original Int. Results

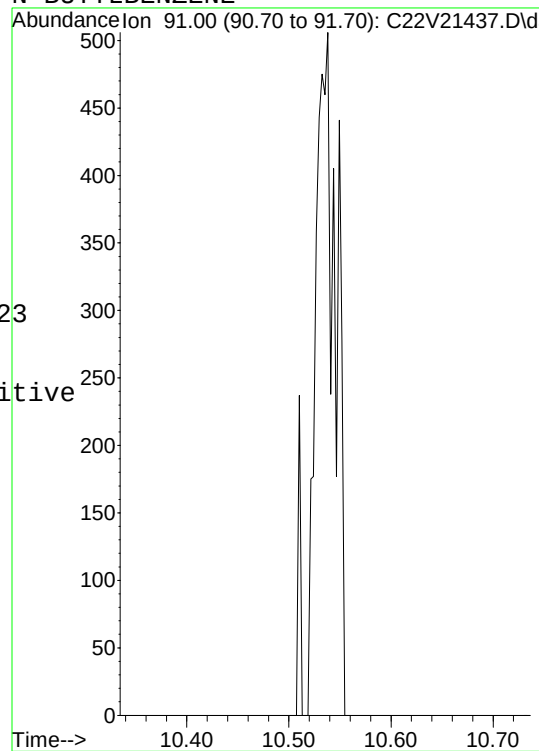
RT : 10.54
Area : 691
Amount: 0.111284

Manual Int. Results

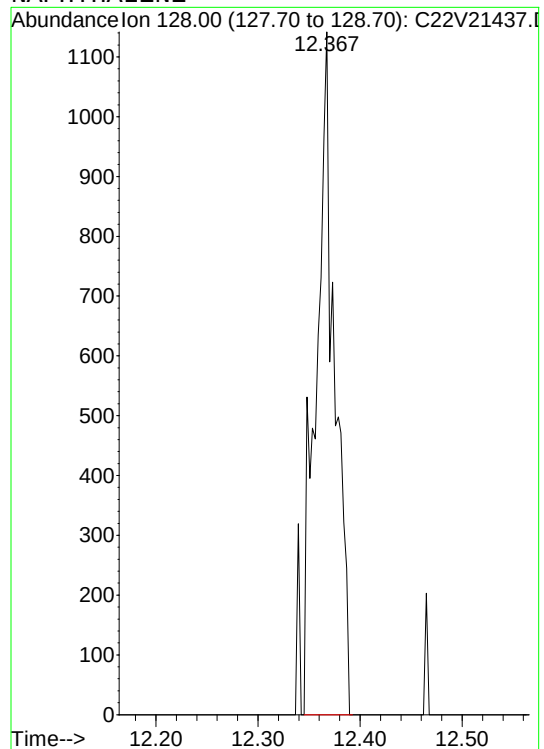
Thu Aug 03 07:48:25 2023

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
N-BUTYLBENZENE



Original Integration
NAPHTHALENE



Original Int. Results

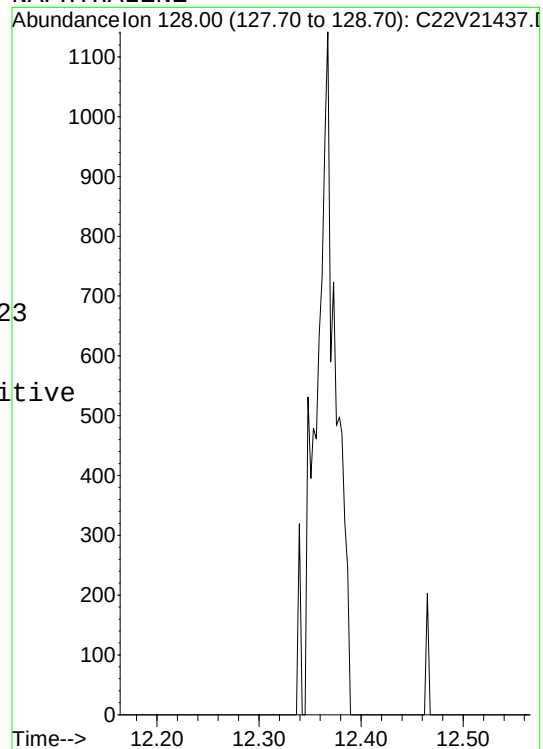
RT : 12.37
Area : 1451
Amount: 0.177871

Manual Int. Results

Thu Aug 03 07:48:24 2023

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
NAPHTHALENE



QC DATA

2 - FORM II
SYSTEM MONITORING COMPOUND SUMMARY
SW-846 8260D

212

Laboratory:	Pace New England	SDG:	23G3932
Client:	NYDEC_AECOM - Buffalo, NY	Project:	C.A.E. Electronics_CAT B - CO 147580
Matrix:	Water	Instrument:	GCMSVOA3

	1,2-DCA-d4 (70% - 130%)	BFB (70% - 130%)	TOL-d8 (70% - 130%)
23G3932-01	98.2	87.6	98.6
23G3932-02	95.5	87.0	97.4
23G3932-03	99.2	85.8	98.3
23G3932-04	98.3	86.1	101
23G3932-05	96.9	86.5	101
23G3932-06	104	85.2	101
23G3932-07	103	85.8	98.8
23G3932-08	99.7	87.3	104
23G3932-09	98.9	84.5	98.1
23G3932-10	99.0	85.4	101
23G3932-11	103	87.4	100
23G3932-12	98.3	83.8	97.6
23G3932-13	104	84.2	99.7
23G3932-14	104	86.1	101
23G3932-15	104	83.6	98.2
23G3932-16	102	84.9	99.4
23G3932-17	102	84.0	99.2
23G3932-18	98.2	87.0	100
B347625-BLK1	95.7	87.5	98.6
B347625-BS1	89.4	96.0	102
B347625-BSD1	94.1	94.2	103
B347625-MS1	103	90.4	104
B347625-MSD1	102	90.4	103

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

MW-10

Laboratory: Pace New England

Work Order: 23G3932

Client: NYDEC_AECOM - Buffalo, NY

Project: C.A.E. Electronics_CAT B - CO 147580

Matrix: Water

Analysis: SW-846 8260D

Batch: B347625

Preparation: SW-846 5030B

% Solids:

Laboratory ID: B347625-MS1

Initial/Final: 5 mL / 5 mL

Sample Lab ID: 23G3932-03

Column:

ANALYTE	SPIKE ADDED (µg/L)	SAMPLE CONCENTRATION (µg/L)	MS CONCENTRATION (µg/L)	MS % REC.	QC LIMITS REC.
Acetone	100	ND	84.4	84.4	70 - 130
Benzene	10.0	ND	11.2	112	70 - 130
Bromochloromethane	10.0	ND	11.4	114	70 - 130
Bromodichloromethane	10.0	ND	10.0	100	70 - 130
Bromoform	10.0	ND	7.45	74.5	70 - 130
Bromomethane	10.0	ND	14.2	142	* 70 - 130
2-Butanone (MEK)	100	ND	98.7	98.7	70 - 130
Carbon Disulfide	100	ND	110	110	70 - 130
Carbon Tetrachloride	10.0	ND	9.31	93.1	70 - 130
Chlorobenzene	10.0	ND	10.4	104	70 - 130
Chlorodibromomethane	10.0	ND	9.22	92.2	70 - 130
Chloroethane	10.0	ND	10.2	102	70 - 130
Chloroform	10.0	ND	10.6	106	70 - 130
Chloromethane	10.0	ND	11.9	119	70 - 130
Cyclohexane	10.0	ND	10.5	105	70 - 130
1,2-Dibromo-3-chloropropane (DBCP)	10.0	ND	7.49	74.9	70 - 130
1,2-Dibromoethane (EDB)	10.0	ND	10.2	102	70 - 130
1,2-Dichlorobenzene	10.0	ND	9.59	95.9	70 - 130
1,3-Dichlorobenzene	10.0	ND	10.0	100	70 - 130
1,4-Dichlorobenzene	10.0	ND	9.28	92.8	70 - 130
Dichlorodifluoromethane (Freon 12)	10.0	ND	12.9	129	70 - 130
1,1-Dichloroethane	10.0	ND	10.4	104	70 - 130
1,2-Dichloroethane	10.0	ND	10.1	101	70 - 130
1,1-Dichloroethylene	10.0	ND	10.1	101	70 - 130
cis-1,2-Dichloroethylene	10.0	ND	10.1	101	70 - 130
trans-1,2-Dichloroethylene	10.0	ND	9.92	99.2	70 - 130
1,2-Dichloropropane	10.0	ND	10.9	109	70 - 130
cis-1,3-Dichloropropene	10.0	ND	9.79	97.9	70 - 130
trans-1,3-Dichloropropene	10.0	ND	9.73	97.3	70 - 130

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

MW-10

Laboratory:	Pace New England	Work Order:	23G3932
Client:	NYDEC_AECOM - Buffalo, NY	Project:	C.A.E. Electronics_CAT B - CO 147580
Matrix:	Water	Analysis:	SW-846 8260D
Batch:	B347625	Preparation:	SW-846 5030B
% Solids:		Laboratory ID:	B347625-MS1
Initial/Final:	5 mL / 5 mL	Sample Lab ID:	23G3932-03
Column:			

ANALYTE	SPIKE ADDED (µg/L)	SAMPLE CONCENTRATION (µg/L)	MS CONCENTRATION (µg/L)	MS % REC.	QC LIMITS REC.
1,4-Dioxane	100	ND	84.4	84.4	70 - 130
Ethylbenzene	10.0	ND	9.85	98.5	70 - 130
2-Hexanone (MBK)	100	ND	87.4	87.4	70 - 130
Isopropylbenzene (Cumene)	10.0	ND	9.08	90.8	70 - 130
Methyl Acetate	10.0	ND	7.33	73.3	70 - 130
Methyl tert-Butyl Ether (MTBE)	10.0	ND	8.78	87.8	70 - 130
Methyl Cyclohexane	10.0	ND	11.3	113	70 - 130
Methylene Chloride	10.0	ND	9.85	98.5	70 - 130
4-Methyl-2-pentanone (MIBK)	100	ND	87.7	87.7	70 - 130
Styrene	10.0	ND	8.41	84.1	70 - 130
1,1,2,2-Tetrachloroethane	10.0	ND	9.23	92.3	70 - 130
Tetrachloroethylene	10.0	ND	11.3	113	70 - 130
Toluene	10.0	ND	10.9	109	70 - 130
1,2,3-Trichlorobenzene	10.0	ND	7.09	70.9	70 - 130
1,2,4-Trichlorobenzene	10.0	ND	6.87	68.7	* 70 - 130
1,1,1-Trichloroethane	10.0	0.370	11.1	107	70 - 130
1,1,2-Trichloroethane	10.0	ND	10.4	104	70 - 130
Trichloroethylene	10.0	0.540	11.1	105	70 - 130
Trichlorofluoromethane (Freon 11)	10.0	ND	10.4	104	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0	ND	10.5	105	70 - 130
Vinyl Chloride	10.0	ND	12.5	125	70 - 130
Xylenes (total)	30.0	ND	27.5	91.7	0 - 200

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

MW-10

Laboratory: Pace New England

Work Order: 23G3932

Client: NYDEC_AECOM - Buffalo, NY

Project: C.A.E. Electronics_CAT B - CO 147580

Matrix: Water

Analysis: SW-846 8260D

Batch: B347625

Preparation: SW-846 5030B

% Solids:

Laboratory ID: B347625-MSD1

Initial/Final: 5 mL / 5 mL

Sample Lab ID: 23G3932-03

Column:

ANALYTE	SPIKE ADDED (µg/L)	MSD CONCENTRATION (µg/L)	MSD % REC. #	% RPD	QC LIMITS	
					RPD	REC.
Acetone	100	88.7	88.7	4.91	30	70 - 130
Benzene	10.0	11.0	110	1.53	30	70 - 130
Bromochloromethane	10.0	11.9	119	4.28	30	70 - 130
Bromodichloromethane	10.0	9.83	98.3	2.01	30	70 - 130
Bromoform	10.0	7.28	72.8	2.31	30	70 - 130
Bromomethane	10.0	14.4	144 *	1.40	30	70 - 130
2-Butanone (MEK)	100	102	102	2.81	30	70 - 130
Carbon Disulfide	100	112	112	1.89	30	70 - 130
Carbon Tetrachloride	10.0	9.32	93.2	0.107	30	70 - 130
Chlorobenzene	10.0	10.5	105	0.575	30	70 - 130
Chlorodibromomethane	10.0	9.07	90.7	1.64	30	70 - 130
Chloroethane	10.0	10.1	101	0.885	30	70 - 130
Chloroform	10.0	10.8	108	2.43	30	70 - 130
Chloromethane	10.0	11.9	119	0.168	30	70 - 130
Cyclohexane	10.0	10.7	107	1.89	30	70 - 130
1,2-Dibromo-3-chloropropane (DBCP)	10.0	7.83	78.3	4.44	30	70 - 130
1,2-Dibromoethane (EDB)	10.0	9.77	97.7	3.91	30	70 - 130
1,2-Dichlorobenzene	10.0	10.0	100	4.68	30	70 - 130
1,3-Dichlorobenzene	10.0	10.0	100	0.0997	30	70 - 130
1,4-Dichlorobenzene	10.0	9.85	98.5	5.96	30	70 - 130
Dichlorodifluoromethane (Freon 12)	10.0	13.4	134 *	3.34	30	70 - 130
1,1-Dichloroethane	10.0	10.5	105	0.957	30	70 - 130
1,2-Dichloroethane	10.0	9.68	96.8	3.95	30	70 - 130
1,1-Dichloroethylene	10.0	10.2	102	1.08	30	70 - 130
cis-1,2-Dichloroethylene	10.0	10.4	104	2.34	30	70 - 130
trans-1,2-Dichloroethylene	10.0	9.95	99.5	0.302	30	70 - 130
1,2-Dichloropropane	10.0	10.6	106	2.97	30	70 - 130
cis-1,3-Dichloropropene	10.0	9.94	99.4	1.52	30	70 - 130
trans-1,3-Dichloropropene	10.0	9.59	95.9	1.45	30	70 - 130

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

MW-10

Laboratory: Pace New England

Work Order: 23G3932

Client: NYDEC_AECOM - Buffalo, NY

Project: C.A.E. Electronics_CAT B - CO 147580

Matrix: Water

Analysis: SW-846 8260D

Batch: B347625

Preparation: SW-846 5030B

% Solids:

Laboratory ID: B347625-MSD1

Initial/Final: 5 mL / 5 mL

Sample Lab ID: 23G3932-03

Column:

ANALYTE	SPIKE ADDED (µg/L)	MSD CONCENTRATION (µg/L)	MSD % REC. #	% RPD	QC LIMITS	
					RPD	REC.
1,4-Dioxane	100	71.5	71.5	16.5	30	70 - 130
Ethylbenzene	10.0	9.92	99.2	0.708	30	70 - 130
2-Hexanone (MBK)	100	88.1	88.1	0.889	30	70 - 130
Isopropylbenzene (Cumene)	10.0	9.20	92.0	1.31	30	70 - 130
Methyl Acetate	10.0	7.56	75.6	3.09	30	70 - 130
Methyl tert-Butyl Ether (MTBE)	10.0	8.88	88.8	1.13	30	70 - 130
Methyl Cyclohexane	10.0	11.2	112	0.800	30	70 - 130
Methylene Chloride	10.0	9.86	98.6	0.101	30	70 - 130
4-Methyl-2-pentanone (MIBK)	100	88.1	88.1	0.478	30	70 - 130
Styrene	10.0	8.88	88.8	5.44	30	70 - 130
1,1,2,2-Tetrachloroethane	10.0	9.32	93.2	0.970	30	70 - 130
Tetrachloroethylene	10.0	11.1	111	2.32	30	70 - 130
Toluene	10.0	10.6	106	2.60	30	70 - 130
1,2,3-Trichlorobenzene	10.0	7.89	78.9	10.7	30	70 - 130
1,2,4-Trichlorobenzene	10.0	7.64	76.4	10.6	30	70 - 130
1,1,1-Trichloroethane	10.0	11.1	107	0.180	30	70 - 130
1,1,2-Trichloroethane	10.0	10.1	101	3.01	30	70 - 130
Trichloroethylene	10.0	11.2	106	0.810	30	70 - 130
Trichlorofluoromethane (Freon 11)	10.0	10.6	106	1.52	30	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0	11.1	111	6.11	30	70 - 130
Vinyl Chloride	10.0	12.9	129	3.54	30	70 - 130
Xylenes (total)	30.0	28.4	94.8	3.32	200	0 - 200

LCS / LCS DUPLICATE RECOVERY

SW-846 8260D

Laboratory: Pace New England

Work Order: 23G3932

Client: NYDEC_AECOM - Buffalo, NY

Project: C.A.E. Electronics_CAT B - CO 147580

Matrix: Water

Preparation: SW-846 5030B

Batch: B347625

Laboratory ID: B347625-BS1

Column:

Initial/Final: 5 mL / 5 mL

ANALYTE	SPIKE ADDED (µg/L)	LCS CONCENTRATION (µg/L)	LCS % REC.	QC LIMITS REC.
Acetone	100	82.9	82.9	70 - 160
Benzene	10.0	10.4	104	70 - 130
Bromochloromethane	10.0	10.1	101	70 - 130
Bromodichloromethane	10.0	9.31	93.1	70 - 130
Bromoform	10.0	8.15	81.5	70 - 130
Bromomethane	10.0	13.4	134	40 - 160
2-Butanone (MEK)	100	96.5	96.5	40 - 160
Carbon Disulfide	100	98.7	98.7	70 - 130
Carbon Tetrachloride	10.0	7.47	74.7	70 - 130
Chlorobenzene	10.0	10.3	103	70 - 130
Chlorodibromomethane	10.0	9.24	92.4	70 - 130
Chloroethane	10.0	9.32	93.2	70 - 130
Chloroform	10.0	9.46	94.6	70 - 130
Chloromethane	10.0	10.3	103	40 - 160
Cyclohexane	10.0	9.49	94.9	70 - 130
1,2-Dibromo-3-chloropropane (DBCP)	10.0	7.48	74.8	70 - 130
1,2-Dibromoethane (EDB)	10.0	9.87	98.7	70 - 130
1,2-Dichlorobenzene	10.0	10.1	101	70 - 130
1,3-Dichlorobenzene	10.0	10.3	103	70 - 130
1,4-Dichlorobenzene	10.0	10.1	101	70 - 130
Dichlorodifluoromethane (Freon 12)	10.0	11.2	112	40 - 160
1,1-Dichloroethane	10.0	9.22	92.2	70 - 130
1,2-Dichloroethane	10.0	8.98	89.8	70 - 130
1,1-Dichloroethylene	10.0	9.08	90.8	70 - 130
cis-1,2-Dichloroethylene	10.0	9.08	90.8	70 - 130
trans-1,2-Dichloroethylene	10.0	8.38	83.8	70 - 130
1,2-Dichloropropane	10.0	10.0	100	70 - 130
cis-1,3-Dichloropropene	10.0	9.76	97.6	70 - 130
trans-1,3-Dichloropropene	10.0	9.32	93.2	70 - 130
1,4-Dioxane	100	86.9	86.9	40 - 130
Ethylbenzene	10.0	10.1	101	70 - 130
2-Hexanone (MBK)	100	90.9	90.9	70 - 160
Isopropylbenzene (Cumene)	10.0	9.37	93.7	70 - 130
Methyl Acetate	10.0	7.78	77.8	70 - 130
Methyl tert-Butyl Ether (MTBE)	10.0	8.79	87.9	70 - 130
Methyl Cyclohexane	10.0	9.99	99.9	70 - 130
Methylene Chloride	10.0	8.78	87.8	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW-846 8260D

Laboratory:	Pace New England	Work Order:	23G3932
Client:	NYDEC_AECOM - Buffalo, NY	Project:	C.A.E. Electronics_CAT B - CO 147580
Matrix:	Water	Preparation:	SW-846 5030B
Batch:	B347625	Laboratory ID:	B347625-BS1
Column:		Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (µg/L)	LCS CONCENTRATION (µg/L)	LCS % REC.	QC LIMITS REC.
4-Methyl-2-pentanone (MIBK)	100	89.1	89.1	70 - 160
Styrene	10.0	9.17	91.7	70 - 130
1,1,2,2-Tetrachloroethane	10.0	9.31	93.1	70 - 130
Tetrachloroethylene	10.0	10.4	104	70 - 130
Toluene	10.0	10.3	103	70 - 130
1,2,3-Trichlorobenzene	10.0	8.81	88.1	70 - 130
1,2,4-Trichlorobenzene	10.0	8.32	83.2	70 - 130
1,1,1-Trichloroethane	10.0	9.35	93.5	70 - 130
1,1,2-Trichloroethane	10.0	9.97	99.7	70 - 130
Trichloroethylene	10.0	9.80	98.0	70 - 130
Trichlorofluoromethane (Freon 11)	10.0	9.18	91.8	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0	9.22	92.2	70 - 130
Vinyl Chloride	10.0	11.2	112	40 - 160
m+p Xylene	20.0	20.1	100	70 - 130
o-Xylene	10.0	9.81	98.1	70 - 130
Xylenes (total)	30.0	29.9	99.6	0 - 200

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
Acetone	100	82.8	82.8	0.145	25	70 - 160
Benzene	10.0	10.6	106	2.09	25	70 - 130
Bromochloromethane	10.0	10.6	106	3.96	25	70 - 130
Bromodichloromethane	10.0	9.42	94.2	1.17	25	70 - 130
Bromoform	10.0	7.99	79.9	1.98	25	70 - 130
Bromomethane	10.0	13.9	139	3.60	25	40 - 160
2-Butanone (MEK)	100	95.4	95.4	1.16	25	40 - 160
Carbon Disulfide	100	100	100	1.50	25	70 - 130
Carbon Tetrachloride	10.0	7.98	79.8	6.60	25	70 - 130
Chlorobenzene	10.0	10.2	102	0.780	25	70 - 130
Chlorodibromomethane	10.0	9.07	90.7	1.86	25	70 - 130
Chloroethane	10.0	9.43	94.3	1.17	25	70 - 130
Chloroform	10.0	9.61	96.1	1.57	25	70 - 130
Chloromethane	10.0	10.1	101	2.16	25	40 - 160
Cyclohexane	10.0	9.93	99.3	4.53	25	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW-846 8260D

Laboratory: Pace New England

Work Order: 23G3932

Client: NYDEC_AECOM - Buffalo, NY

Project: C.A.E. Electronics_CAT B - CO 147580

Matrix: Water

Preparation: SW-846 5030B

Batch: B347625

Laboratory ID: B347625-BSD1

Column:

Initial/Final: 5 mL / 5 mL

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
1,2-Dibromo-3-chloropropane (DBCP)	10.0	7.86	78.6	4.95	25	70 - 130
1,2-Dibromoethane (EDB)	10.0	10.1	101	2.01	25	70 - 130
1,2-Dichlorobenzene	10.0	10.4	104	2.34	25	70 - 130
1,3-Dichlorobenzene	10.0	10.6	106	2.78	25	70 - 130
1,4-Dichlorobenzene	10.0	9.52	95.2	5.52	25	70 - 130
Dichlorodifluoromethane (Freon 12)	10.0	11.5	115	3.26	25	40 - 160
1,1-Dichloroethane	10.0	9.41	94.1	2.04	25	70 - 130
1,2-Dichloroethane	10.0	8.94	89.4	0.446	25	70 - 130
1,1-Dichloroethylene	10.0	9.04	90.4	0.442	25	70 - 130
cis-1,2-Dichloroethylene	10.0	9.15	91.5	0.768	25	70 - 130
trans-1,2-Dichloroethylene	10.0	8.57	85.7	2.24	25	70 - 130
1,2-Dichloropropane	10.0	10.2	102	1.19	25	70 - 130
cis-1,3-Dichloropropene	10.0	9.52	95.2	2.49	25	70 - 130
trans-1,3-Dichloropropene	10.0	9.35	93.5	0.321	25	70 - 130
1,4-Dioxane	100	80.6	80.6	7.46	50	40 - 130
Ethylbenzene	10.0	10.1	101	0.00	25	70 - 130
2-Hexanone (MBK)	100	91.1	91.1	0.220	25	70 - 160
Isopropylbenzene (Cumene)	10.0	9.25	92.5	1.29	25	70 - 130
Methyl Acetate	10.0	7.88	78.8	1.28	25	70 - 130
Methyl tert-Butyl Ether (MTBE)	10.0	8.88	88.8	1.02	25	70 - 130
Methyl Cyclohexane	10.0	10.2	102	1.98	25	70 - 130
Methylene Chloride	10.0	8.75	87.5	0.342	25	70 - 130
4-Methyl-2-pentanone (MIBK)	100	88.9	88.9	0.236	25	70 - 160
Styrene	10.0	8.92	89.2	2.76	25	70 - 130
1,1,2,2-Tetrachloroethane	10.0	9.24	92.4	0.755	25	70 - 130
Tetrachloroethylene	10.0	10.3	103	0.0967	25	70 - 130
Toluene	10.0	10.6	106	3.15	25	70 - 130
1,2,3-Trichlorobenzene	10.0	8.60	86.0	2.41	25	70 - 130
1,2,4-Trichlorobenzene	10.0	8.79	87.9	5.49	25	70 - 130
1,1,1-Trichloroethane	10.0	9.70	97.0	3.67	25	70 - 130
1,1,2-Trichloroethane	10.0	10.1	101	0.998	25	70 - 130
Trichloroethylene	10.0	9.95	99.5	1.52	25	70 - 130
Trichlorofluoromethane (Freon 11)	10.0	9.42	94.2	2.58	25	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0	9.74	97.4	5.49	25	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW-846 8260D

Laboratory:	Pace New England	Work Order:	23G3932
Client:	NYDEC_AECOM - Buffalo, NY	Project:	C.A.E. Electronics_CAT B - CO 147580
Matrix:	Water	Preparation:	SW-846 5030B
Batch:	B347625	Laboratory ID:	B347625-BSD1
Column:		Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
Vinyl Chloride	10.0	11.3	113	1.42	25	40 - 160
m+p Xylene	20.0	19.8	99.2	1.15	25	70 - 130
o-Xylene	10.0	9.54	95.4	2.79	25	70 - 130
Xylenes (total)	30.0	29.4	97.9	1.69	200	0 - 200

4 - FORM IV
METHOD BLANK SUMMARY

221

SW-846 8260D

Laboratory:	Pace New England	Work Order:	23G3932
Client:	NYDEC_AECOM - Buffalo, NY	Project:	C.A.E. Electronics_CAT B - CO 147580
Blank ID:	B347625-BLK1	Batch:	B347625
		Prepared:	08/01/2023 07:14

Client Sample ID	Laboratory Sample ID	Lab File ID	Time Analyzed
LCS	B347625-BS1	C22V21432.D	22:48
LCS Dup	B347625-BSD1	C22V21433.D	23:15
TB-270723	23G3932-18	C22V21437.D	01:01
MW-06	23G3932-01	C22V21438.D	01:27
MW-11	23G3932-02	C22V21439.D	01:54
MW-10	23G3932-03	C22V21440.D	02:21
MW-04	23G3932-04	C22V21441.D	02:47
MW-28R	23G3932-05	C22V21442.D	03:14
MW-26	23G3932-06	C22V21443.D	03:41
MW-15	23G3932-07	C22V21444.D	04:07
MW-07-06	23G3932-08	C22V21445.D	04:34
MW-20	23G3932-09	C22V21446.D	05:01
MW-07-05	23G3932-10	C22V21447.D	05:27
MW-07-08	23G3932-11	C22V21448.D	05:51
MW-07-09	23G3932-12	C22V21449.D	06:18
MW-25	23G3932-13	C22V21450.D	06:45
NW-06	23G3932-14	C22V21451.D	07:11
MW-17	23G3932-15	C22V21452.D	07:38
FD-270723	23G3932-16	C22V21453.D	08:04
NW-05	23G3932-17	C22V21454.D	08:31
Matrix Spike	B347625-MS1	C22V21455.D	08:58
Matrix Spike Dup	B347625-MSD1	C22V21456.D	09:24

5 - FORM V INSTRUMENT PERFORMANCE CHECK

222

SW-846 8260D

Laboratory: Pace New England	Work Order: 23G3932
Client: NYDEC_AECOM - Buffalo, NY	Project: C.A.E. Electronics_CAT B - CO 147580
Lab File ID: C22V21909.D	Injection Date: 08/08/22
Instrument ID: GCMSVOA3	Injection Time: 10:18
Sequence: S075427	Lab Sample ID: S075427-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	PASS/FAIL
50	15 - 40% of 95	20.3	PASS
75	30 - 60% of 95	49.3	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.45	PASS
173	Less than 2% of 174	0.647	PASS
174	50 - 200% of 95	89.4	PASS
175	5 - 9% of 174	7.49	PASS
176	95 - 101% of 174	97.9	PASS
177	5 - 9% of 176	6.76	PASS

Client ID	Sample ID	File ID	Date Analyzed	Time Analyzed
0.4 PPB	S075427-CAL1	C22V21910.D	08/08/2022	10:45:00
0.5 PPB	S075427-CAL2	C22V21911.D	08/08/2022	11:09:00
1.0 PPB	S075427-CAL3	C22V21912.D	08/08/2022	11:33:00
2.0 PPB	S075427-CAL4	C22V21913.D	08/08/2022	11:58:00
5.0 PPB	S075427-CAL5	C22V21914.D	08/08/2022	12:22:00
10 PPB	S075427-CAL6	C22V21915.D	08/08/2022	12:46:00
20 PPB	S075427-CAL7	C22V21916.D	08/08/2022	13:10:00
50 PPB	S075427-CAL8	C22V21920.D	08/08/2022	13:34:00
50 PPB	S075427-CAL8	C22V21917.D	08/08/2022	13:34:00
100 PPB	S075427-CAL9	C22V21918.D	08/08/2022	13:59:00
100 PPB	S075427-CAL9	C22V21921.D	08/08/2022	13:59:00
200 PPB	S075427-CALA	C22V21922.D	08/08/2022	14:23:00
200 PPB	S075427-CALA	C22V21919.D	08/08/2022	14:23:00
Initial Cal Check	S075427-ICV1	C22V21926.D	08/08/2022	17:12:00

CALIBRATION DATA

6 - FORM VI

INITIAL CALIBRATION DATA SHEET

224

SW-846 8260D

Client: NYDEC AECOM - Buffalo, NY

SDG: 23G3932

Project: C.A.E. Electronics CAT B - CO 147580

Calibration: 2200537

Instrument: GCMSVOA3

Calibration Date: 8/8/2022 10:18:58AM

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
		RF		RF		RF		RF		RF		RF
Acetone	4	0.1963823	5	0.1847193	10	0.1890443	20	0.1758233	50	0.1841132	100	0.1802103
Acrolein	4	7.910751E-02	5	7.680109E-02	10	0.0846155	20	8.462922E-02	50	0.091402	100	9.448151E-02
Acrylonitrile	0.4	0.1806301	0.5	0.1732519	1	0.2229185	2	0.2151418	5	0.2328436	10	0.2509535
tert-Amyl Methyl Ether (TAME)	0.4	1.057976	0.5	1.066165	1	1.234782	2	1.300498	5	1.339449	10	1.348555
Benzene	0.4	1.58061	0.5	1.484573	1	1.628864	2	1.645603	5	1.640637	10	1.704337
Bromobenzene	0.4	0.872733	0.5	0.9135854	1	1.030576	2	1.024715	5	0.9857867	10	1.04333
Bromochloromethane	0.4	0.294246	0.5	0.3241886	1	0.3752202	2	0.4061261	5	0.4255206	10	0.4268708
Bromodichloromethane	0.4	0.2928342	0.5	0.3004643	1	0.3838227	2	0.3855285	5	0.4027596	10	0.4159011
Bromoform			0.5	0.319884	1	0.4565927	2	0.4726873	5	0.5195616	10	0.5302586
Bromomethane							2	0.3582036	5	0.305726	10	0.2847553
2-Butanone (MEK)	4	0.1996559	5	0.1960318	10	0.2394114	20	0.2497464	50	0.2778149	100	0.2809742
tert-Butyl Alcohol (TBA)	4	6.974863E-02	5	6.059166E-02	10	6.774852E-02	20	7.291917E-02	50	6.977643E-02	100	7.362063E-02
n-Butylbenzene			0.5	1.074107	1	1.229302	2	1.442681	5	1.505298	10	1.602753
sec-Butylbenzene	0.4	1.800851	0.5	1.692398	1	2.174478	2	2.156456	5	2.111596	10	2.262527
tert-Butylbenzene	0.4	1.454685	0.5	1.320711	1	1.606914	2	1.597722	5	1.600215	10	1.65297
tert-Butyl Ethyl Ether (TBEE)	0.4	1.136545	0.5	1.175261	1	1.317558	2	1.357989	5	1.392616	10	1.454633
Carbon Disulfide	4	1.070224	5	1.047662	10	1.207455	20	1.278152	50	1.302909	100	1.339261
Carbon Tetrachloride	0.4	0.4425245	0.5	0.4100397	1	0.5109978	2	0.5149912	5	0.5297085	10	0.5463335
Chlorobenzene	0.4	1.363348	0.5	1.299771	1	1.479386	2	1.518184	5	1.568401	10	1.648763
Chlorodibromomethane	0.4	0.302932	0.5	0.2615113	1	0.3077744	2	0.3154275	5	0.3335198	10	0.3456485
Chloroethane	0.4	0.3431587	0.5	0.3434044	1	0.382391	2	0.3836943	5	0.3700846	10	0.3850966
2-Chloroethyl Vinyl Ether					10	0.1246265	20	0.129844	50	0.152713	100	0.1576571
Chloroform	0.4	0.6859322	0.5	0.6533362	1	0.7002447	2	0.7427606	5	0.7792626	10	0.7956987
Chloromethane	0.4	0.8388323	0.5	0.8169801	1	0.8360224	2	0.8037815	5	0.7304494	10	0.641401
2-Chlorotoluene	0.4	1.465493	0.5	1.538715	1	1.543378	2	1.617333	5	1.740921	10	1.845726
4-Chlorotoluene	0.4	1.47449	0.5	1.432374	1	1.93533	2	1.953204	5	1.913858	10	2.04178
Cyclohexane							2	0.8899794	5	0.7200859	10	0.6757271
1,2-Dibromo-3-chloropropane (DBCP)					1	0.1326683	2	0.1401352	5	0.1645137	10	0.1636918
1,2-Dibromoethane (EDB)	0.4	0.2089454	0.5	0.1998182	1	0.2743848	2	0.2940507	5	0.3106677	10	0.3204987
Dibromomethane	0.4	0.1558676	0.5	0.1642342	1	0.1849596	2	0.1879665	5	0.2023329	10	0.2146711
1,2-Dichlorobenzene	0.4	0.9617611	0.5	0.9632691	1	1.077844	2	1.202837	5	1.271961	10	1.286543

6 - FORM VI

INITIAL CALIBRATION DATA SHEET

225

SW-846 8260D

Client: NYDEC AECOM - Buffalo, NY

SDG: 23G3932

Project: C.A.E. Electronics CAT B - CO 147580

Calibration: 2200537

Instrument: GCMSVOA3

Calibration Date: 8/8/2022 10:18:58AM

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
		RF		RF		RF		RF		RF		RF
1,3-Dichlorobenzene	0.4	0.9387953	0.5	0.9588177	1	1.138336	2	1.184092	5	1.187706	10	1.268794
1,4-Dichlorobenzene	0.4	1.059226	0.5	1.090132	1	1.32233	2	1.240101	5	1.298012	10	1.265077
trans-1,4-Dichloro-2-butene					1	0.1831127	2	0.2335835	5	0.2120949	10	0.225333
Dichlorodifluoromethane (Freon 22)	0.4	0.380132	0.5	0.3347263	1	0.448643	2	0.4436171	5	0.4287707	10	0.4404408
1,1-Dichloroethane	0.4	0.6797699	0.5	0.7301992	1	0.7816178	2	0.7884871	5	0.7982727	10	0.8004482
1,2-Dichloroethane	0.4	0.3518671	0.5	0.3512084	1	0.405942	2	0.4227912	5	0.445066	10	0.4504847
1,1-Dichloroethylene	0.4	0.577323	0.5	0.5752334	1	0.6424106	2	0.6744455	5	0.6513734	10	0.6674
cis-1,2-Dichloroethylene	0.4	0.591188	0.5	0.5606666	1	0.6572199	2	0.6771906	5	0.6881979	10	0.7149877
trans-1,2-Dichloroethylene	0.4	0.5164711	0.5	0.585771	1	0.6332133	2	0.6004831	5	0.594251	10	0.6561584
Dichlorofluoromethane (Freon 21)	0.4	0.8053252	0.5	0.7162523	1	0.8344635	2	0.8550767	5	0.8552112	10	0.8733873
1,2-Dichloropropane	0.4	0.2783349	0.5	0.2434034	1	0.2769127	2	0.3126555	5	0.3082023	10	0.3181089
1,3-Dichloropropane	0.4	0.3598935	0.5	0.3987942	1	0.4565004	2	0.4981697	5	0.5055421	10	0.5286579
2,2-Dichloropropane	0.4	0.5056872	0.5	0.531533	1	0.6131039	2	0.6202483	5	0.6075581	10	0.6102824
1,1-Dichloropropene	0.4	0.48566	0.5	0.3973325	1	0.5463842	2	0.5438545	5	0.5573345	10	0.5687858
cis-1,3-Dichloropropene	0.4	0.3875976	0.5	0.3703691	1	0.4547098	2	0.4508316	5	0.464396	10	0.4893783
trans-1,3-Dichloropropene	0.4	0.2917986	0.5	0.3170982	1	0.3645473	2	0.3872877	5	0.4127665	10	0.4289665
Diethyl Ether	0.4	0.299638	0.5	0.2894763	1	0.3750643	2	0.3731843	5	0.3919462	10	0.3979727
Difluorochloromethane (Freon 21)	0.4	0.5488228	0.5	0.5005398	1	0.5307955	2	0.5661295	5	0.5688019	10	0.5842988
Diisopropyl Ether (DIPE)	0.4	1.300999	0.5	1.343554	1	1.493866	2	1.556817	5	1.573028	10	1.608036
1,4-Dioxane							20	3.848888E-03	50	4.479251E-03	100	4.414266E-03
Ethanol							20	1.444736E-02	50	9.302706E-03	100	9.869131E-03
Ethyl Acetate	0.4	0.6655198	0.5	0.6570553	1	0.7270573	2	0.6853477	5	0.5977464	10	0.6206604
Ethylbenzene	0.4	2.113295	0.5	1.970968	1	2.368142	2	2.457065	5	2.540927	10	2.703932
Hexachlorobutadiene			0.5	0.1744924	1	0.2261548	2	0.2957406	5	0.2959699	10	0.3045425
2-Hexanone (MBK)	4	0.2261115	5	0.213715	10	0.2509699	20	0.2522941	50	0.2827812	100	0.2978231
Iodomethane					10	0.3815024	20	0.4321345	50	0.4931354	100	0.5262144
Isopropylbenzene (Cumene)	0.4	1.987863	0.5	1.861613	1	2.188056	2	2.371013	5	2.374954	10	2.517328
p-Isopropyltoluene (p-Cymene)	0.4	1.558311	0.5	1.511674	1	1.786784	2	1.817128	5	1.863428	10	1.88396
Methyl Acetate	0.4	0.876961	0.5	0.6833995	1	0.7487256	2	0.7121718	5	0.7182462	10	0.6812939
Methyl tert-Butyl Ether (MTBE)	0.4	1.163119	0.5	1.27041	1	1.413272	2	1.390696	5	1.405064	10	1.487417
Methyl Cyclohexane	0.4	0.2726388	0.5	0.2316123	1	0.3277871	2	0.3420286	5	0.3272422	10	0.3352233

6 - FORM VI

INITIAL CALIBRATION DATA SHEET

226

SW-846 8260D

Client: NYDEC AECOM - Buffalo, NY

SDG: 23G3932

Project: C.A.E. Electronics CAT B - CO 147580

Calibration: 2200537

Instrument: GCMSVOA3

Calibration Date: 8/8/2022 10:18:58AM

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
		RF		RF		RF		RF		RF		RF
Methylene Chloride	0.4	0.5715459	0.5	0.5867008	1	0.6589347	2	0.641582	5	0.6709968	10	0.6763439
4-Methyl-2-pentanone (MIBK)	4	0.3450835	5	0.3391014	10	0.3708144	20	0.377916	50	0.4085731	100	0.4246754
Naphthalene							2	1.428566	5	1.653864	10	1.86344
n-Propylbenzene	0.4	2.060899	0.5	2.074726	1	2.500883	2	2.544848	5	2.641219	10	2.795744
Styrene	0.4	1.231035	0.5	1.319575	1	1.473765	2	1.548925	5	1.662313	10	1.808054
1,1,1,2-Tetrachloroethane	0.4	0.4673276	0.5	0.4662644	1	0.5670657	2	0.5497547	5	0.5828648	10	0.6039109
1,1,2,2-Tetrachloroethane	0.4	0.7187213	0.5	0.6845432	1	0.8210886	2	0.9206956	5	0.9432509	10	0.9653231
Tetrachloroethylene	0.4	0.1840894	0.5	0.2185578	1	0.2619558	2	0.2874938	5	0.2953985	10	0.2979786
Tetrahydrofuran					1	0.1585372	2	0.1684741	5	0.1808417	10	0.1969971
Toluene	0.4	1.05353	0.5	1.052572	1	1.138091	2	1.194808	5	1.170137	10	1.211481
1,2,3-Trichlorobenzene					1	0.4834718	2	0.5219218	5	0.6352284	10	0.6413806
1,2,4-Trichlorobenzene					1	0.4642246	2	0.5458611	5	0.6231059	10	0.6705392
1,3,5-Trichlorobenzene			0.5	0.4389017	1	0.6745692	2	0.6778659	5	0.7523267	10	0.7617107
1,1,1-Trichloroethane	0.4	0.5103089	0.5	0.5507487	1	0.6065566	2	0.6265229	5	0.6505149	10	0.6682944
1,1,2-Trichloroethane	0.4	0.2252571	0.5	0.2038188	1	0.2627985	2	0.2814166	5	0.2904676	10	0.2906006
Trichloroethylene	0.4	0.2353548	0.5	0.2111883	1	0.2678543	2	0.2828559	5	0.2696666	10	0.2903711
Trichlorofluoromethane (Freon 11)	0.4	0.5842555	0.5	0.4977504	1	0.6218335	2	0.6572686	5	0.6453944	10	0.673414
1,2,3-Trichloropropane	0.4	0.6102251	0.5	0.7999254	1	0.8446533	2	0.6889522	5	0.7218566	10	0.7028892
1,1,2-Trichloro-1,2,2-trifluoroethane	0.4	0.3396924	0.5	0.2823478	1	0.3926795	2	0.3996946	5	0.3885121	10	0.386176
1,2,4-Trimethylbenzene	0.4	1.721311	0.5	1.658568	1	1.947177	2	1.914918	5	1.948587	10	2.086244
1,3,5-Trimethylbenzene	0.4	1.710536	0.5	1.525369	1	1.804752	2	1.824289	5	1.914609	10	2.046769
Vinyl Acetate	4	1.056397	5	1.030151	10	1.235202	20	1.296953	50	1.366532	100	1.417923
Vinyl Chloride	0.4	0.4791126	0.5	0.4280158	1	0.5000857	2	0.5143637	5	0.5383857	10	0.5375438
m+p Xylene	0.8	1.593042	1	1.612982	2	1.824641	4	1.969007	10	1.938837	20	2.066525
o-Xylene	0.4	1.643321	0.5	1.622669	1	1.956301	2	2.041312	5	2.094468	10	2.2272
1,2-Dichloroethane-d4	25	0.5744299	25	0.5666049	25	0.5687509	25	0.5742991	25	0.5695746	25	0.5703371
Toluene-d8	25	1.19338	25	1.185863	25	1.168675	25	1.181205	25	1.195803	25	1.194198
4-Bromofluorobenzene	25	0.8774963	25	0.8873316	25	0.8698178	25	0.8772521	25	0.8944266	25	0.8769361

6 - FORM VI

INITIAL CALIBRATION DATA SHEET (Continued)

227

SW-846 8260D

Client: NYDEC AECOM - Buffalo, NY

SDG: 23G3932

Project: C.A.E. Electronics CAT B - CO 147580

Calibration: 2200537

Instrument: GCMSVOA3

Calibration Date: 8/8/2022 10:18:58AM

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
		RF		RF		RF		RF		RF		RF
Acetone	200	0.1810109	500	0.1787821	1000	0.1758926	2000	0.1749453				
Acrolein	200	9.797075E-02	500	0.0957349	1000	0.1010301	2000	0.1089096				
Acrylonitrile	20	0.2325875	50	0.2469831	100	0.2505761	200	0.2535139				
tert-Amyl Methyl Ether (TAME)	20	1.418358	50	1.442062	100	1.444687	200	1.471992				
Benzene	20	1.751483	50	1.746032	100	1.740147	200	1.754166				
Bromobenzene	20	1.101743	50	1.128908	100	1.15561	200	1.193408				
Bromochloromethane	20	0.4355634	50	0.4115939	100	0.3655887	200	0.3280994				
Bromodichloromethane	20	0.4275677	50	0.4397246	100	0.4377103	200	0.4539452				
Bromoform	20	0.5651722	50	0.5913464	100	0.6165399	200	0.6393994				
Bromomethane	20	0.2396955	50	0.3519376	100	0.3065038	200	0.3088966				
2-Butanone (MEK)	200	0.2894437	500	0.2990833	1000	0.2974443	2000	0.304489				
tert-Butyl Alcohol (TBA)	200	7.492953E-02	500	7.608853E-02	1000	7.627423E-02	2000	7.663326E-02				
n-Butylbenzene	20	1.717598	50	1.778443	100	1.783658	200	1.813523				
sec-Butylbenzene	20	2.315684	50	2.328897	100	2.286265	200	2.304764				
tert-Butylbenzene	20	1.725328	50	1.717742	100	1.692573	200	1.697572				
tert-Butyl Ethyl Ether (TBEE)	20	1.478033	50	1.50443	100	1.500669	200	1.515914				
Carbon Disulfide	200	1.386367	500	1.372749	1000	1.357673	2000	1.142375				
Carbon Tetrachloride	20	0.5693897	50	0.5835041	100	0.581051	200	0.59375				
Chlorobenzene	20	1.68339	50	1.731779	100	1.727886	200	1.742896				
Chlorodibromomethane	20	0.3583264	50	0.3697259	100	0.3748433	200	0.3941981				
Chloroethane	20	0.3662299	50	0.3575274	100	0.3402515	200	0.3293663				
2-Chloroethyl Vinyl Ether	200	0.1732422	500	0.18249	1000	0.1856442	2000	0.1985999				
Chloroform	20	0.8058299	50	0.8122728	100	0.803669	200	0.8123524				
Chloromethane	20	0.6138682	50	0.5835993	100	0.5945298	200	0.6359343				
2-Chlorotoluene	20	1.878196	50	1.932696	100	1.922132	200	1.97908				
4-Chlorotoluene	20	2.170431	50	2.236237	100	2.295302	200	2.398622				
Cyclohexane	20	0.6877821	50	0.6667298	100	0.6580311	200	0.657749				
1,2-Dibromo-3-chloropropane (DBCP)	20	0.1707952	50	0.1784092	100	0.184302	200	0.184928				
1,2-Dibromoethane (EDB)	20	0.3368415	50	0.3418306	100	0.3454023	200	0.3605203				
Dibromomethane	20	0.217448	50	0.2225062	100	0.2197977	200	0.2273191				
1,2-Dichlorobenzene	20	1.327007	50	1.341933	100	1.343828	200	1.359352				

6 - FORM VI

INITIAL CALIBRATION DATA SHEET (Continued)

228

SW-846 8260D

Client: NYDEC AECOM - Buffalo, NY

SDG: 23G3932

Project: C.A.E. Electronics CAT B - CO 147580

Calibration: 2200537

Instrument: GCMSVOA3

Calibration Date: 8/8/2022 10:18:58AM

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
		RF		RF		RF		RF		RF		RF
1,3-Dichlorobenzene	20	1.294069	50	1.321151	100	1.315974	200	1.323238				
1,4-Dichlorobenzene	20	1.339288	50	1.352862	100	1.354521	200	1.386405				
trans-1,4-Dichloro-2-butene	20	0.2389417	50	0.2672585	100	0.2750189	200	0.2825371				
Dichlorodifluoromethane (Freon 22)	20	0.4726812	50	0.4720054	100	0.4620744	200	0.4580031				
1,1-Dichloroethane	20	0.8245803	50	0.8331632	100	0.8174644	200	0.8252576				
1,2-Dichloroethane	20	0.4587872	50	0.4661477	100	0.4578085	200	0.4661431				
1,1-Dichloroethylene	20	0.6933889	50	0.6880424	100	0.6675056	200	0.6660487				
cis-1,2-Dichloroethylene	20	0.7347194	50	0.7454895	100	0.7434478	200	0.7512378				
trans-1,2-Dichloroethylene	20	0.629731	50	0.6609526	100	0.6481576	200	0.6536793				
Dichlorofluoromethane (Freon 21)	20	0.8904211	50	0.8724643	100	0.8531753	200	0.8473825				
1,2-Dichloropropane	20	0.3192734	50	0.3346675	100	0.326992	200	0.3447291				
1,3-Dichloropropane	20	0.5428413	50	0.5581388	100	0.5542633	200	0.5721622				
2,2-Dichloropropane	20	0.619092	50	0.6725158	100	0.6531247	200	0.6551492				
1,1-Dichloropropene	20	0.5914566	50	0.590646	100	0.592957	200	0.5993243				
cis-1,3-Dichloropropene	20	0.5066113	50	0.5329659	100	0.5279705	200	0.5497739				
trans-1,3-Dichloropropene	20	0.4476515	50	0.4661945	100	0.469724	200	0.494503				
Diethyl Ether	20	0.4044277	50	0.3999504	100	0.3928471	200	0.3891104				
Difluorochloromethane (Freon 21)	20	0.6141899	50	0.6086493	100	0.5969917	200	0.6016047				
Diisopropyl Ether (DIPE)	20	1.662618	50	1.681104	100	1.67452	200	1.690981				
1,4-Dioxane	200	5.007413E-03	500	4.992229E-03	1000	4.966866E-03	2000	5.412238E-03				
Ethanol	200	1.028131E-02	500	9.800591E-03	1000	9.414962E-03	2000	9.453498E-03				
Ethyl Acetate	20	0.6125814	50	0.6419027	100	0.6577116	200	0.6405164				
Ethylbenzene	20	2.76132	50	2.853386	100	2.849683	200	2.87192				
Hexachlorobutadiene	20	0.3142774	50	0.3087043	100	0.3190778	200	0.3286969				
2-Hexanone (MBK)	200	0.3154004	500	0.3272563	1000	0.3316082	2000	0.3455153				
Iodomethane	200	0.577763	500	0.6189346	1000	0.6455201	2000	0.660844				
Isopropylbenzene (Cumene)	20	2.584254	50	2.678198	100	2.662854	200	2.726081				
p-Isopropyltoluene (p-Cymene)	20	1.974552	50	2.011394	100	1.99889	200	2.015096				
Methyl Acetate	20	0.6950739	50	0.669153	100	0.6544937	200	0.6491057				
Methyl tert-Butyl Ether (MTBE)	20	1.461741	50	1.535596	100	1.49686	200	1.5039				
Methyl Cyclohexane	20	0.3625505	50	0.3712061	100	0.3652758	200	0.372607				

6 - FORM VI

INITIAL CALIBRATION DATA SHEET (Continued)

229

SW-846 8260D

Client: NYDEC AECOM - Buffalo, NY

SDG: 23G3932

Project: C.A.E. Electronics CAT B - CO 147580

Calibration: 2200537

Instrument: GCMSVOA3

Calibration Date: 8/8/2022 10:18:58AM

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
		RF		RF		RF		RF		RF		RF
Methylene Chloride	20	0.6834239	50	0.6604383	100	0.6456928	200	0.6321265				
4-Methyl-2-pentanone (MIBK)	200	0.4458509	500	0.4594866	1000	0.4598359	2000	0.4807751				
Naphthalene	20	2.061553	50	2.366484	100	2.436525	200	2.44123				
n-Propylbenzene	20	2.923039	50	3.043173	100	3.046953	200	3.150196				
Styrene	20	1.868234	50	1.940366	100	1.951764	200	2.027108				
1,1,1,2-Tetrachloroethane	20	0.6332262	50	0.6503205	100	0.6525668	200	0.6707237				
1,1,2,2-Tetrachloroethane	20	1.001356	50	1.035623	100	1.036847	200	1.049987				
Tetrachloroethylene	20	0.3061689	50	0.3159858	100	0.3162456	200	0.3242048				
Tetrahydrofuran	20	0.1911038	50	0.1999544	100	0.2000376	200	0.2048099				
Toluene	20	1.263838	50	1.288627	100	1.271498	200	1.306984				
1,2,3-Trichlorobenzene	20	0.6948166	50	0.7725901	100	0.781866	200	0.7794507				
1,2,4-Trichlorobenzene	20	0.718192	50	0.7853718	100	0.8043983	200	0.82126				
1,3,5-Trichlorobenzene	20	0.8118502	50	0.8361906	100	0.8513403	200	0.8670792				
1,1,1-Trichloroethane	20	0.6745466	50	0.6779332	100	0.6740426	200	0.6826553				
1,1,2-Trichloroethane	20	0.3014292	50	0.3098672	100	0.3098774	200	0.3215206				
Trichloroethylene	20	0.2970176	50	0.3055363	100	0.2997401	200	0.3087742				
Trichlorofluoromethane (Freon)	20	0.6979003	50	0.6873674	100	0.6691811	200	0.6570662				
1,2,3-Trichloropropane	20	0.7440779	50	0.7903051	100	0.7958581	200	0.828061				
1,1,2-Trichloro-1,2,2-trifluoroethane	20	0.4042439	50	0.4001972	100	0.3956299	200	0.386297				
1,2,4-Trimethylbenzene	20	2.090814	50	2.143732	100	2.114989	200	2.121372				
1,3,5-Trimethylbenzene	20	2.100422	50	2.19535	100	2.200627	200	2.313521				
Vinyl Acetate	200	1.457975	500	1.484021	1000	1.474087	2000	1.306462				
Vinyl Chloride	20	0.567628	50	0.5608506	100	0.5497029	200	0.5458885				
m+p Xylene	40	2.133801	100	2.248885	200	2.229151	400	2.285227				
o-Xylene	20	2.282851	50	2.34778	100	2.339416	200	2.391261				
1,2-Dichloroethane-d4	25	0.5610286	25	0.5524272	25	0.5494297	25	0.5426527				
Toluene-d8	25	1.198554	25	1.19135	25	1.179521	25	1.192773				
4-Bromofluorobenzene	25	0.8912293	25	0.8943519	25	0.9015015	25	0.9241038				

6 - FORM VI

INITIAL CALIBRATION DATA SHEET (Continued)

230

SW-846 8260D

Laboratory:	Pace New England	Work Order:	23G3932
Client:	NYDEC_AECOM - Buffalo, NY	Project:	C.A.E. Electronics_CAT B - CO 147580
Calibration:	2200537	Instrument:	GCMSVOA3
		Calibration Date:	8/8/2022 10:18:58AM

COMPOUND	Mean RF	RF RSD	Linear r ²	Quad COD	LIMIT	Q
Acetone	0.1820924	3.7			20	
Acrolein	9.146822E-02	11.1			20	
Acrylonitrile	0.22594	12.8			20	
tert-Amyl Methyl Ether (TAME)	1.312452	11.5			20	
Benzene	1.667645	5.3			20	
Bromobenzene	1.045039	9.9			20	
Bromochloromethane	0.3793018	13.2			20	
Bromodichloromethane	0.3940258	14.3			20	
Bromoform	0.5234936	18.7			20	
Bromomethane	0.3079598	13.0			20	
2-Butanone (MEK)	0.2634095	15.3			20	
tert-Butyl Alcohol (TBA)	7.183306E-02	7.0			20	
n-Butylbenzene	1.549707	16.9			20	
sec-Butylbenzene	2.143392	10.4			20	
tert-Butylbenzene	1.606643	8.0			20	
tert-Butyl Ethyl Ether (TBEE)	1.383365	9.9			20	
Carbon Disulfide	1.250483	10.1			20	
Carbon Tetrachloride	0.528229	11.6			20	
Chlorobenzene	1.57638	10.1			20	
Chlorodibromomethane	0.3363907	11.9			20	
Chloroethane	0.3601205	5.7			20	
2-Chloroethyl Vinyl Ether	0.1631021	16.3			20	
Chloroform	0.7591359	7.8			20	
Chloromethane	0.7095398	15.0			20	
2-Chlorotoluene	1.746367	10.9			20	
4-Chlorotoluene	1.985163	16.3			20	
Cyclohexane	0.7080121	11.7			20	
1,2-Dibromo-3-chloropropane (DBCP)	0.1649304	11.8			20	
1,2-Dibromoethane (EDB)	0.299296	18.8			20	
Dibromomethane	0.1997103	12.7			20	
1,2-Dichlorobenzene	1.213634	12.9			20	

6 - FORM VI

INITIAL CALIBRATION DATA SHEET (Continued)

231

SW-846 8260D

Laboratory:	Pace New England	Work Order:	23G3932
Client:	NYDEC_AECOM - Buffalo, NY	Project:	C.A.E. Electronics_CAT B - CO 147580
Calibration:	2200537	Instrument:	GCMSVOA3
		Calibration Date:	8/8/2022 10:18:58AM

COMPOUND	Mean RF	RF RSD	Linear r ²	Quad COD	LIMIT	Q
1,3-Dichlorobenzene	1.193097	12.1			20	
1,4-Dichlorobenzene	1.270795	8.8			20	
trans-1,4-Dichloro-2-butene	0.239735	14.1			20	
Dichlorodifluoromethane (Freon 12)	0.4341094	10.1			20	
1,1-Dichloroethane	0.787926	6.1			20	
1,2-Dichloroethane	0.4276246	10.4			20	
1,1-Dichloroethylene	0.6503172	6.4			20	
cis-1,2-Dichloroethylene	0.6864345	9.7			20	
trans-1,2-Dichloroethylene	0.6178868	7.3			20	
Dichlorofluoromethane (Freon 21)	0.8403159	5.9			20	
1,2-Dichloropropane	0.306328	10.1			20	
1,3-Dichloropropane	0.4974963	14.4			20	
2,2-Dichloropropane	0.6088295	8.7			20	
1,1-Dichloropropene	0.5473735	11.5			20	
cis-1,3-Dichloropropene	0.4734604	12.7			20	
trans-1,3-Dichloropropene	0.4080538	16.5			20	
Diethyl Ether	0.3713617	11.2			20	
Difluorochloromethane (Freon 22)	0.5720824	6.4			20	
Diisopropyl Ether (DIPE)	1.558552	9.0			20	
1,4-Dioxane	4.731593E-03	10.9			20	
Ethanol	1.036708E-02	17.7			20	
Ethyl Acetate	0.6506099	5.8			20	
Ethylbenzene	2.549064	12.6			20	
Hexachlorobutadiene	0.2852952	17.9			20	
2-Hexanone (MBK)	0.2843475	16.4			20	
Iodomethane	0.5420061	18.8			20	
Isopropylbenzene (Cumene)	2.395221	12.5			20	
p-Isopropyltoluene (p-Cymene)	1.842122	9.9			20	
Methyl Acetate	0.7088624	9.4			20	
Methyl tert-Butyl Ether (MTBE)	1.412808	8.2			20	
Methyl Cyclohexane	0.3308172	13.9			20	

6 - FORM VI

INITIAL CALIBRATION DATA SHEET (Continued)

232

SW-846 8260D

Laboratory:	Pace New England	Work Order:	23G3932
Client:	NYDEC_AECOM - Buffalo, NY	Project:	C.A.E. Electronics_CAT B - CO 147580
Calibration:	2200537	Instrument:	GCMSVOA3
		Calibration Date:	8/8/2022 10:18:58AM

COMPOUND	Mean RF	RF RSD	Linear r ²	Quad COD	LIMIT	Q
Methylene Chloride	0.6427786	5.8			20	
4-Methyl-2-pentanone (MIBK)	0.4112112	12.4			20	
Naphthalene	2.035952	19.8			20	
n-Propylbenzene	2.678168	14.5			20	
Styrene	1.683114	16.6			20	
1,1,1,2-Tetrachloroethane	0.5844025	12.5			20	
1,1,2,2-Tetrachloroethane	0.9177436	14.5			20	
Tetrachloroethylene	0.2808079	16.4			20	
Tetrahydrofuran	0.1875945	8.9			20	
Toluene	1.195157	7.7			20	
1,2,3-Trichlorobenzene	0.6638408	17.5			20	
1,2,4-Trichlorobenzene	0.6791191	18.9			20	
1,3,5-Trichlorobenzene	0.7413149	18.0			20	
1,1,1-Trichloroethane	0.6322124	9.4			20	
1,1,2-Trichloroethane	0.2797054	13.7			20	
Trichloroethylene	0.2768359	11.5			20	
Trichlorofluoromethane (Freon 11)	0.6391431	9.3			20	
1,2,3-Trichloropropane	0.7526804	9.7			20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1	0.377547	10.1			20	
1,2,4-Trimethylbenzene	1.974771	8.7			20	
1,3,5-Trimethylbenzene	1.963624	12.7			20	
Vinyl Acetate	1.31257	12.5			20	
Vinyl Chloride	0.5221577	8.2			20	
m+p Xylene	1.99021	12.6			20	
o-Xylene	2.094658	13.4			20	
1,2-Dichloroethane-d4	0.5629535	2.0			20	
Toluene-d8	1.188132	0.8			20	
4-Bromofluorobenzene	0.8894447	1.8			20	

INITIAL CALIBRATION STANDARDS

233

SW-846 8260D

Laboratory:	Pace New England	Work Order:	23G3932
Client:	NYDEC_AECOM - Buffalo, NY	Project:	C.A.E. Electronics_CAT B - CO 147580
Sequence:	S075427	Instrument:	GCMSVOA3
Calibration:	2200537		

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
2007196	8260 STD 10PPB CLP	S075427-TUN1	C22V21909.D	08/08/22 10:18
2006160	0.4ppb 8260 Calibration Standard	S075427-CAL1	C22V21910.D	08/08/22 10:45
2006161	0.5ppb 8260 Calibration Standard	S075427-CAL2	C22V21911.D	08/08/22 11:09
2006162	1ppb 8260 Calibration Standard	S075427-CAL3	C22V21912.D	08/08/22 11:33
2006163	2ppb 8260 Calibration Standard	S075427-CAL4	C22V21913.D	08/08/22 11:58
2006164	5ppb 8260 Calibration Standard	S075427-CAL5	C22V21914.D	08/08/22 12:22
2006165	10ppb 8260 Calibration Standard	S075427-CAL6	C22V21915.D	08/08/22 12:46
2006166	20ppb 8260 Calibration Standard	S075427-CAL7	C22V21916.D	08/08/22 13:10
2006167	50ppb 8260 Calibration Standard	S075427-CAL8	C22V21917.D	08/08/22 13:34
2006168	100ppb 8260 Calibration Standard	S075427-CAL9	C22V21918.D	08/08/22 13:59
2006169	200ppb 8260 Calibration Standard	S075427-CALA	C22V21919.D	08/08/22 14:23
2006167	50ppb 8260 Calibration Standard	S075427-CAL8	C22V21920.D	08/08/22 14:47
2006168	100ppb 8260 Calibration Standard	S075427-CAL9	C22V21921.D	08/08/22 15:11
2006169	200ppb 8260 Calibration Standard	S075427-CALA	C22V21922.D	08/08/22 15:35

C:\msdchem\1\data\C080822\

Date		Filename	Lab ID	Sample Info
8 Aug 2022	6:52 am	C22V21901.D	BLK	
8 Aug 2022	7:28 am	C22V21902.D	22H0307-02 @ 100X	
8 Aug 2022	7:52 am	C22V21903.D	22H0307-03 @ 100X	
8 Aug 2022	8:16 am	C22V21904.D	22H0307-04 @ 100X	
8 Aug 2022	8:40 am	C22V21905.D	22H0364-01 @ 100X	
8 Aug 2022	9:04 am	C22V21906.D	22H0345-02 @ 100X	
8 Aug 2022	9:30 am	C22V21907.D	22H0353-05 @ 100X	
8 Aug 2022	9:54 am	C22V21908.D	22H0364-02 @ 100X	
8 Aug 2022	10:18 am	C22V21909.D	BFB	
8 Aug 2022	10:45 am	C22V21910.D	8260STD 0.4PPB 2206105	
8 Aug 2022	11:09 am	C22V21911.D	8260STD 0.5PPB 2206105	
8 Aug 2022	11:33 am	C22V21912.D	8260STD 1.0PPB 2206105	
8 Aug 2022	11:58 am	C22V21913.D	8260STD 2.0PPB 2206105	
8 Aug 2022	12:22 pm	C22V21914.D	8260STD 5.0PPB 2206105	
8 Aug 2022	12:46 pm	C22V21915.D	8260STD 10PPB 2206105	
8 Aug 2022	1:10 pm	C22V21916.D	8260STD 20PPB 2206105	
8 Aug 2022	1:34 pm	C22V21917.D	8260STD 50PPB 2206105	
8 Aug 2022	1:59 pm	C22V21918.D	8260STD 100PPB 2206105	
8 Aug 2022	2:23 pm	C22V21919.D	8260STD 200PPB 2206105	
8 Aug 2022	2:47 pm	C22V21920.D	ETOH500PPB	
8 Aug 2022	3:11 pm	C22V21921.D	ETOH1000PPB	
8 Aug 2022	3:35 pm	C22V21922.D	ETOH2000PPB	
8 Aug 2022	3:59 pm	C22V21923.D	BLK	
8 Aug 2022	4:23 pm	C22V21924.D	BLK	
8 Aug 2022	4:48 pm	C22V21925.D	BLK	
8 Aug 2022	5:12 pm	C22V21926.D	ICV 2208129	
8 Aug 2022	5:36 pm	C22V21927.D	CHECKICV 2208129	
8 Aug 2022	6:00 pm	C22V21928.D	BLK	
8 Aug 2022	6:24 pm	C22V21929.D	PRIME	
8 Aug 2022	6:48 pm	C22V21930.D	8260STD 10PPB 2206105	
8 Aug 2022	7:12 pm	C22V21931.D	B0-BS1	
8 Aug 2022	7:37 pm	C22V21932.D	B0-BSD1	
8 Aug 2022	8:01 pm	C22V21933.D	B0-BS1 @ HCL	
8 Aug 2022	8:25 pm	C22V21934.D	BLK	
8 Aug 2022	8:49 pm	C22V21935.D	B0-BLK1 @ HCL	
8 Aug 2022	9:13 pm	C22V21936.D	22H0307-05	
8 Aug 2022	9:37 pm	C22V21937.D	22H0267-01 @ 50X M	50
8 Aug 2022	10:01 pm	C22V21938.D	22H0267-02 @ 50X M	50
8 Aug 2022	10:25 pm	C22V21939.D	22H0267-03 @ 50X M	50
8 Aug 2022	10:49 pm	C22V21940.D	22H0267-04 @ 50X M	50
8 Aug 2022	11:13 pm	C22V21941.D	22H0267-05 @ 50X M	50
8 Aug 2022	11:37 pm	C22V21942.D	22H0316-01	
9 Aug 2022	12:01 am	C22V21943.D	22H0316-02	
9 Aug 2022	12:25 am	C22V21944.D	BLK	
9 Aug 2022	12:49 am	C22V21945.D	22H0307-03	
9 Aug 2022	1:13 am	C22V21946.D	22H0307-01 @ 20X	20
9 Aug 2022	1:37 am	C22V21947.D	22H0307-02 @ 2X	2
9 Aug 2022	2:01 am	C22V21948.D	22H0307-04 @ 2X	2
9 Aug 2022	2:25 am	C22V21949.D	BLK	
9 Aug 2022	2:49 am	C22V21950.D	22H0369-01	
9 Aug 2022	3:13 am	C22V21951.D	22H0369-03	
9 Aug 2022	3:37 am	C22V21952.D	22H0369-05	
9 Aug 2022	4:01 am	C22V21953.D	22H0369-06	
9 Aug 2022	4:25 am	C22V21954.D	22H0369-02	
9 Aug 2022	4:49 am	C22V21955.D	22H0369-04	
9 Aug 2022	5:13 am	C22V21956.D	CLEAN UP	

Method Path : C:\msdchem\1\methods\
 Method File : C080822.M
 Title : 8260 WATER 5MLS VOAMS 5973 #3
 Last Update : Tue Aug 09 06:47:59 2022
 Response Via : Initial Calibration

Calibration Files

0.4 =C22V21910.D 0.5 =C22V21911.D 1.0 =C22V21912.D 2.0 =C22V21913.D 5.0 =C22V21914.D 10 =C22V21915.D 20 =C22V21916.D
 50 =C22V21917.D 100 =C22V21918.D 200 =C22V21919.D

Compound		0.4	0.5	1.0	2.0	5.0	10	20	50	100	200	Avg	%RSD

1)	PENTAFLUOROBENZENE	0.574	0.567	0.569	0.574	0.570	0.570	0.561	0.552	0.549	0.543	0.563	1.98
2)	S 1,2-DICHLOROET...	0.380	0.335	0.449	0.444	0.429	0.440	0.473	0.472	0.462	0.458	0.434	10.14
3)	DICHLORODIFLUO...	0.549	0.501	0.531	0.566	0.569	0.584	0.614	0.609	0.597	0.602	0.572	6.43
4)	DIFLUOROCHLORO...	0.839	0.817	0.836	0.804	0.730	0.641	0.614	0.584	0.595	0.636	0.710	14.99
5)	P CHLOROMETHANE	0.479	0.428	0.500	0.514	0.538	0.538	0.568	0.561	0.550	0.546	0.522	8.24#
6)	C VINYL CHLORIDE				0.358	0.306	0.285	0.240	0.352	0.307	0.309	0.308	13.03
7)	BROMOMETHANE	0.343	0.343	0.382	0.384	0.370	0.385	0.366	0.358	0.340	0.329	0.360	5.65
8)	CHLOROETHANE	0.805	0.716	0.834	0.855	0.855	0.873	0.890	0.872	0.853	0.847	0.840	5.88
9)	FLUORODICHLORO...	0.584	0.498	0.622	0.657	0.645	0.673	0.698	0.687	0.669	0.657	0.639	9.31
10)	TRICHLOROFLUOR...				0.014	0.009	0.010	0.010	0.010	0.009	0.009	0.010	17.65
11)	ETHANOL	0.300	0.289	0.375	0.373	0.392	0.398	0.404	0.400	0.393	0.389	0.371	11.24
12)	DI ETHYL ETHER	0.079	0.077	0.085	0.085	0.091	0.094	0.098	0.096	0.101	0.109	0.091	11.09
13)	ACROLEIN	0.196	0.185	0.189	0.176	0.184	0.180	0.181	0.179	0.176	0.175	0.182	3.70
14)	ACETONE	0.577	0.575	0.642	0.674	0.651	0.667	0.693	0.688	0.668	0.666	0.650	6.43#
15)	C 1,1-DICHLOROET...	0.340	0.282	0.393	0.400	0.389	0.386	0.404	0.400	0.396	0.386	0.378	10.08
16)	1,1,2-TRICL-1,...				0.382	0.432	0.493	0.526	0.578	0.619	0.646	0.661	18.78
17)	IODOMETHANE												-1.00
18)	ACETONITRILE												-1.00
19)	ALLYL CHLORIDE	0.877	0.683	0.749	0.712	0.718	0.681	0.695	0.669	0.654	0.649	0.709	9.36
20)	METHYL ACETATE	0.070	0.061	0.068	0.073	0.070	0.074	0.075	0.076	0.076	0.077	0.072	6.98
21)	T-BUTYL ALCOHOL	0.181	0.173	0.223	0.215	0.233	0.251	0.233	0.247	0.251	0.254	0.226	12.76
22)	ACRYLONITRILE	0.572	0.587	0.659	0.642	0.671	0.676	0.683	0.660	0.646	0.632	0.643	5.80
23)	METHYLENE CHLO...	1.070	1.048	1.207	1.278	1.303	1.339	1.386	1.373	1.358		1.262	10.12
24)	CARBON DISULFIDE	1.163	1.270	1.413	1.391	1.405	1.487	1.462	1.536	1.497	1.504	1.413	8.23
25)	METHYL TERT-BU...	0.516	0.586	0.633	0.600	0.594	0.656	0.630	0.661	0.648	0.654	0.618	7.25
26)	TRANS 1,2-DICH...	0.680	0.730	0.782	0.788	0.798	0.800	0.825	0.833	0.817	0.825	0.788	6.13
27)	1,1-DICHLOROET...	1.056	1.030	1.235	1.297	1.367	1.418	1.458	1.484	1.474	1.306	1.313	12.50
28)	VINYL ACETATE	1.301	1.344	1.494	1.557	1.573	1.608	1.663	1.681	1.675	1.691	1.559	8.98
29)	DI ISOPROPYL ETHER												-1.00
30)	CHLOROPRENE	0.200	0.196	0.239	0.250	0.278	0.281	0.289	0.299	0.297	0.304	0.263	15.33
31)	2-BUTANONE	1.137	1.175	1.318	1.358	1.393	1.455	1.478	1.504	1.501	1.516	1.383	9.91
32)	T-BUTYL ETHYL ...	0.591	0.561	0.657	0.677	0.688	0.715	0.735	0.745	0.743	0.751	0.686	9.70
33)	CIS-1,2-DICHLOR...	0.506	0.532	0.613	0.620	0.608	0.610	0.619	0.673	0.653	0.655	0.609	8.66
34)	2,2-DICHLOROPR...	0.666	0.657	0.727	0.685	0.598	0.621	0.613	0.642	0.658	0.641	0.651	5.77
35)	ETHYL ACETATE												-1.00
36)	PROPIONITRILE												-1.00
37)	METHACRYLONITRILE	0.294	0.324	0.375	0.406	0.426	0.427	0.436	0.412	0.366	0.328	0.379	13.16
38)	BROMOCHLOROMET...			0.159	0.168	0.181	0.197	0.191	0.200	0.200	0.205	0.188	8.92
39)	TETRAHYDROFURAN	0.686	0.653	0.700	0.743	0.779	0.796	0.806	0.812	0.804	0.812	0.759	7.84#
40)	CHLOROFORM	0.510	0.551	0.607	0.627	0.651	0.668	0.675	0.678	0.674	0.683	0.632	9.43
41)	1,1,1-TRICHLOR...				0.890	0.720	0.676	0.688	0.667	0.658	0.658	0.708	11.74
42)	CYCLOHEXANE												11.63
43)	CARBON TETRACH...	0.443	0.410	0.511	0.515	0.530	0.546	0.569	0.584	0.581	0.594	0.528	

Method Path : C:\msdchem\1\methods\

Method File : C080822.M

Title : 8260 WATER 5MLS VOAMS 5973 #3

44)	1,1-DICHLOROPR...	0.486	0.397	0.546	0.544	0.557	0.569	0.591	0.591	0.593	0.599	0.547	11.47
45)	BENZENE	1.581	1.485	1.629	1.646	1.641	1.704	1.751	1.746	1.740	1.754	1.668	5.33
46)	ISOBUTANOL											0.000	-1.00
47)	T-AMYL METHYL E...	1.058	1.066	1.235	1.300	1.339	1.349	1.418	1.442	1.445	1.472	1.312	11.49
1,4-DIFLUOROBENZEN... ISTD-----													
48)	TOLUENE SS	1.193	1.186	1.169	1.181	1.196	1.194	1.199	1.191	1.180	1.193	1.188	0.78
49)	1,2-DICHLOROET...	0.352	0.351	0.406	0.423	0.445	0.450	0.459	0.466	0.458	0.466	0.428	10.38
50)	TRICHLOROETHENE	0.235	0.211	0.268	0.283	0.270	0.290	0.297	0.306	0.300	0.309	0.277	11.52
51)	METHYLCYCLOHEXANE	0.273	0.232	0.328	0.342	0.327	0.335	0.363	0.371	0.365	0.373	0.331	13.88
52)	1,2-DICHLOROPR...	0.278	0.243	0.277	0.313	0.308	0.318	0.319	0.335	0.327	0.345	0.306	10.13#
53)	DIBROMOMETHANE	0.156	0.164	0.185	0.188	0.202	0.215	0.217	0.223	0.220	0.227	0.200	12.68
54)	METHYL METHACR...											0.000	-1.00
55)	1,4-DIOXANE				0.004	0.004	0.004	0.005	0.005	0.005	0.005	0.005	10.93
56)	BROMODICHLOROM...	0.293	0.300	0.384	0.386	0.403	0.416	0.428	0.440	0.438	0.454	0.394	14.27
57)	2-CHLOROETHYLV...			0.125	0.130	0.153	0.158	0.173	0.182	0.186	0.199	0.163	16.34
58)	MIBK	0.345	0.339	0.371	0.378	0.409	0.425	0.446	0.459	0.460	0.481	0.411	12.36
59)	CIS-1,3-DICHLOR...	0.388	0.370	0.455	0.451	0.464	0.489	0.507	0.533	0.528	0.550	0.473	12.72
60)	TOLUENE	1.054	1.053	1.138	1.195	1.170	1.211	1.264	1.289	1.271	1.307	1.195	7.71#
61)	TRANS-1,3,-DIC...	0.292	0.317	0.365	0.387	0.413	0.429	0.448	0.466	0.470	0.495	0.408	16.50
62)	ETHYL METHACRY...											0.000	-1.00
63)	1,1,2-TRICHLOR...	0.225	0.204	0.263	0.281	0.290	0.291	0.301	0.310	0.310	0.322	0.280	13.74
64)	2-HEXANONE	0.226	0.214	0.251	0.252	0.283	0.298	0.315	0.327	0.332	0.346	0.284	16.36
65)	TETRACHLOROETHENE	0.184	0.219	0.262	0.287	0.295	0.298	0.306	0.316	0.316	0.324	0.281	16.43
66)	1,3-DICHLOROPR...	0.360	0.399	0.457	0.498	0.506	0.529	0.543	0.558	0.554	0.572	0.497	14.36
67)	DIBROMOCHLOROM...	0.303	0.262	0.308	0.315	0.334	0.346	0.358	0.370	0.375	0.394	0.336	11.93
68)	1,2-DIBROMOETHANE	0.209	0.200	0.274	0.294	0.311	0.320	0.337	0.342	0.345	0.361	0.299	18.76
CHLOROBENZENE-D5 ISTD-----													
70)	4-BROMOFLUOROB...	0.877	0.887	0.870	0.877	0.894	0.877	0.891	0.894	0.902	0.924	0.889	1.77
71)	CHLOROBENZENE	1.363	1.300	1.479	1.518	1.568	1.649	1.683	1.732	1.728	1.743	1.576	10.06
72)	1,1,1,2-TETRAC...	0.467	0.466	0.567	0.550	0.583	0.604	0.633	0.650	0.653	0.671	0.584	12.55
73)	ETHYLBENZENE	2.113	1.971	2.368	2.457	2.541	2.704	2.761	2.853	2.850	2.872	2.549	12.55#
74)	M/P-XYLENES	1.593	1.613	1.825	1.969	1.939	2.067	2.134	2.249	2.229	2.285	1.990	12.62
75)	0-XYLENE	1.643	1.623	1.956	2.041	2.094	2.227	2.283	2.348	2.339	2.391	2.095	13.44
76)	STYRENE	1.231	1.320	1.474	1.549	1.662	1.808	1.868	1.940	1.952	2.027	1.683	16.63
77)	BROMOFORM	0.320	0.457	0.473	0.473	0.520	0.530	0.565	0.591	0.617	0.639	0.523	18.74
78)	ISOPROPYLBENZENE	1.988	1.862	2.188	2.371	2.375	2.517	2.584	2.678	2.663	2.726	2.395	12.50
79)	CIS-1,4-DICHLOR...	0.719	0.685	0.821	0.921	0.943	0.965	1.001	1.036	1.037	1.050	0.918	-1.00
80)	1,1,2,2-TETRAC...			0.183	0.234	0.212	0.225	0.239	0.267	0.275	0.283	0.240	14.47
81)	1,4-DICHLORO-2...											14.15	14.15
82)	BROMOBENZENE	0.873	0.914	1.031	1.025	0.986	1.043	1.102	1.129	1.156	1.193	1.045	9.86
83)	1,2,3-TRICHLOR...	0.610	0.800	0.845	0.689	0.722	0.703	0.744	0.790	0.796	0.828	0.753	9.65
84)	N-PROPYLBENZENE	2.061	2.075	2.501	2.545	2.641	2.796	2.923	3.043	3.047	3.150	2.678	14.52
85)	2-CHLOROTOLUENE	1.465	1.539	1.543	1.617	1.741	1.846	1.878	1.933	1.922	1.979	1.746	10.91
86)	1,3,5-TRIMETHY...	1.711	1.525	1.805	1.824	1.915	2.047	2.100	2.195	2.201	2.314	1.964	12.72
87)	4-CHLOROTOLUENE	1.474	1.432	1.935	1.953	1.914	2.042	2.170	2.236	2.295	2.399	1.985	16.30
1,4-DICHLOROBENZEN... ISTD-----													
88)	TERT-BUTYLBENZENE	1.455	1.321	1.607	1.598	1.600	1.653	1.725	1.718	1.693	1.698	1.607	8.01
89)	1,2,4-TRIMETHY...	1.721	1.659	1.947	1.915	1.949	2.086	2.091	2.144	2.115	2.121	1.975	8.69
90)	SEC-BUTYLBENZENE	1.801	1.692	2.174	2.156	2.112	2.263	2.316	2.329	2.286	2.305	2.143	10.40
91)	1,3-DICHLOROB...	0.939	0.959	1.138	1.184	1.188	1.269	1.294	1.321	1.316	1.323	1.193	12.08

Method Path : C:\msdchem\1\methods\													
Method File : C080822.M													
Title : 8260 WATER 5MLS VOAMS 5973 #3													
94)	P-ISOPROPYL TOL...	1.558	1.512	1.787	1.817	1.863	1.884	1.975	2.011	1.999	2.015	1.842	9.85
95)	1,4-DICHLOROBEN...	1.059	1.090	1.322	1.240	1.298	1.265	1.339	1.353	1.355	1.386	1.271	8.84
96)	1,2,3-TRIMETHY...	1.883	1.770	2.150	2.212	2.239	2.303	2.366	2.351	2.311	2.306	2.189	9.30
97)	N-BUTYLBENZENE		1.074	1.229	1.443	1.505	1.603	1.718	1.778	1.784	1.814	1.550	16.92
98)	1,2-DICHLOROBEN...	0.962	0.963	1.078	1.203	1.272	1.287	1.327	1.342	1.344	1.359	1.214	12.91
99)	1,2-DIBROMO-3-...			0.133	0.140	0.165	0.164	0.171	0.178	0.184	0.185	0.165	11.79
00)	1,3,5-TRICHLOR...		0.439	0.675	0.678	0.752	0.762	0.812	0.836	0.851	0.867	0.741	18.00
01)	1,2,4-TRICHLOR...			0.464	0.546	0.623	0.671	0.718	0.785	0.804	0.821	0.679	18.94
02)	HEXACHLOROBUTA...		0.174	0.226	0.296	0.296	0.305	0.314	0.309	0.319	0.329	0.285	17.86
03)	NAPHTHALENE				1.429	1.654	1.863	2.062	2.366	2.437	2.441	2.036	19.84
04)	1,2,3-TRICHLOR...			0.483	0.522	0.635	0.641	0.695	0.773	0.782	0.779	0.664	17.46

(#) = Out of Range													

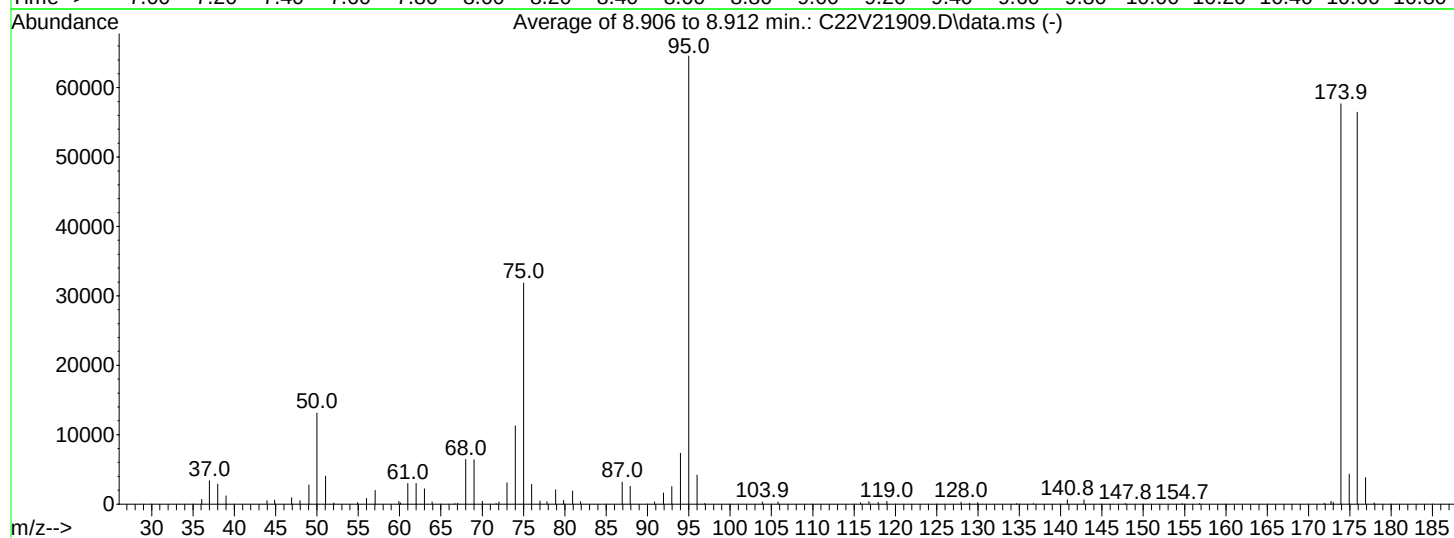
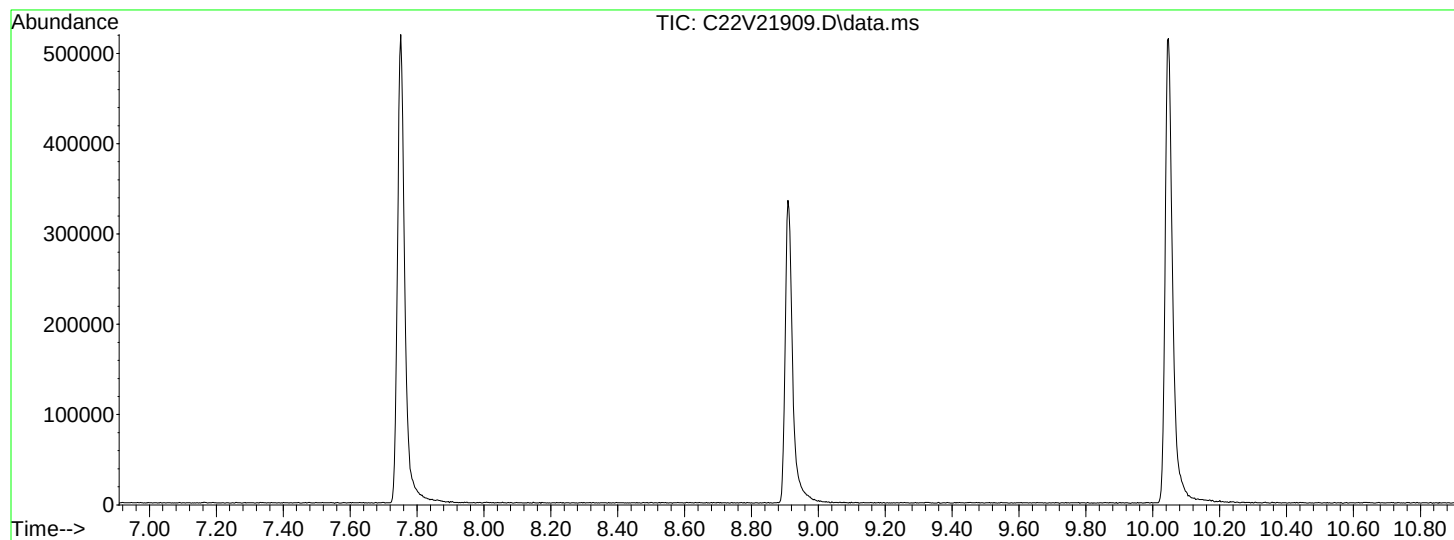
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 Data File : C22V21909.D
 Acq On : 8 Aug 2022 10:18 am
 Operator :
 Sample : BFB
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

238

Inst : GCMSVOA3

Integration File: 8260B.P

Method : C:\msdchem\1\methods\C080822.M
 Title : 8260 WATER 5MLS VOAMS 5973 #3
 Last Update : Tue Aug 09 06:47:59 2022



AutoFind: Scans 2823, 2824, 2825; Background Corrected with Scan 2812

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.3	13103	PASS
75	95	30	60	49.3	31856	PASS
95	95	100	100	100.0	64555	PASS
96	95	5	9	6.5	4167	PASS
173	174	0.00	2	0.6	373	PASS
174	95	50	100	89.4	57683	PASS
175	174	5	9	7.5	4323	PASS
176	174	95	101	97.9	56467	PASS
177	176	5	9	6.8	3816	PASS

Data Path : C:\msdchem\1\data\C080822\
 Data File : C22V21910.D
 Acq On : 8 Aug 2022 10:45 am
 Operator :
 Sample : 8260STD 0.4PPB 2206105
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Inst : GCMSVOA3

Quant Time: Aug 08 12:14:45 2022
 Quant Method : C:\msdchem\1\methods\C051619.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Mon Aug 08 11:15:01 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	4.191	168	194735	30.00	UG/L	0.00
48) 1,4-DIFLUOROBENZENE - ...	4.916	114	289669	30.00	UG/L	0.00
70) CHLOROBENZENE-D5 ISTD	7.749	82	141710	30.00	UG/L	0.00
89) 1,4-DICHLOROBENZENE-D4...	10.047	152	133895	30.00	UG/L	# 0.00
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.464	65	93218	25.45	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	101.80%	
49) TOLUENE SS	6.352	98	288071	24.94	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	99.76%	
71) 4-BROMOFLUOROBENZENE SS	8.909	95	103625	24.65	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	98.60%	
Target Compounds						
						Qvalue
3) DICHLORODIFLUOROMETHANE	1.087	85	987	0.31	UG/L	# 43
4) DIFLUOROCHLOROMETHANE	1.093	51	1425	0.38	UG/L	# 100
5) CHLOROMETHANE	1.193	50	2178	0.51	UG/L	# 22
6) VINYL CHLORIDE	1.263	62	1244	0.37	UG/L	# 51
7) BROMOMETHANE	1.452	94	1504m	0.81	UG/L	
8) CHLOROETHANE	1.514	64	891m	0.48	UG/L	
9) FLUORODICHLOROMETHANE	1.642	67	2091	0.41	UG/L	95
10) TRICHLOROFLUOROMETHANE	1.676	101	1517	0.40	UG/L	96
12) DI ETHYL ETHER	1.865	59	778	0.32	UG/L	91
13) ACROLEIN	1.957	56	2054	2.56	UG/L	99
14) ACETONE	2.069	43	5099	4.17	UG/L	90
15) 1,1-DICHLOROETHENE	2.021	61	1499	0.40	UG/L	96
16) 1,1,2-TRICL-1,2,2-TRIF...	2.024	101	882	0.43	UG/L	98
17) IODOMETHANE	2.138	142	8089	2.62	UG/L	97
20) METHYL ACETATE	2.317	43	2277	0.60	UG/L	# 64
21) T-BUTYL ALCOHOL	2.507	59	1811m	3.85	UG/L	
22) ACRYLONITRILE	2.615	53	469m	0.29	UG/L	
23) METHYLENE CHLORIDE	2.395	49	1484	0.37	UG/L	98
24) CARBON DISULFIDE	2.191	76	27788	3.82	UG/L	97
25) METHYL TERT-BUTYL ETHE...	2.635	73	3020m	0.36	UG/L	
26) TRANS 1,2-DICHLOROETHENE	2.629	61	1341	0.34	UG/L	# 81
27) 1,1-DICHLOROETHANE	3.039	63	1765	0.34	UG/L	# 51
28) VINYL ACETATE	3.114	43	27429	2.73	UG/L	99
29) DI ISOPROYL ETHER	3.131	45	3378	0.30	UG/L	# 87
31) 2-BUTANONE	3.695	43	5184	2.36	UG/L	# 93
32) T-BUTYL ETHYL ETHER	3.502	59	2951m	0.31	UG/L	
33) CIS-1,2-DICHLOROETHENE	3.642	61	1535	0.34	UG/L	# 46
34) 2,2-DICHLOROPROPANE	3.633	77	1313	0.34	UG/L	# 47
35) ETHYL ACETATE	3.781	43	1728m	0.39	UG/L	
38) BROMOCHLOROMETHANE	3.884	49	764	0.28	UG/L	# 18
39) TETRAHYDROFURAN	3.965	42	300m	0.23	UG/L	
40) CHLOROFORM	3.973	83	1781	0.37	UG/L	# 80
41) 1,1,1-TRICHLOROETHANE	4.141	97	1325	0.34	UG/L	# 88
42) CYCLOHEXANE	4.191	56	5046	1.10	UG/L	# 43
43) CARBON TETRACHLORIDE	4.311	117	1149	0.35	UG/L	# 3
44) 1,1-DICHLOROPROPENE	4.316	75	1261	0.35	UG/L	# 39
45) BENZENE	4.514	78	4104m	0.37	UG/L	
47) T-AMYL METHYL ETHER	4.654	73	2747	0.33	UG/L	# 72
50) 1,2-DICHLOROETHANE	4.548	62	1359	0.34	UG/L	# 74
51) TRICHLOROETHENE	5.167	95	909	0.36	UG/L	# 75
52) METHYLCYCLOHEXANE	5.340	83	1053	0.30	UG/L	# 60
53) 1,2-DICHLOROPROPANE	5.393	63	1075m	0.35	UG/L	
54) DIBROMOMETHANE	5.496	93	602	0.32	UG/L	# 45

Data Path : C:\msdchem\1\data\C080822\
 Data File : C22V21910.D
 Acq On : 8 Aug 2022 10:45 am
 Operator :
 Sample : 8260STD 0.4PPB 2206105
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Inst : GCMSVOA3

Quant Time: Aug 08 12:14:45 2022
 Quant Method : C:\msdchem\1\methods\C051619.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Mon Aug 08 11:15:01 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
57) BROMODICHLOROMETHANE	5.663	83	1131	0.31	UG/L	# 95
58) 2-CHLOROETHYL VINYLETHER	5.987	63	3813m	2.56	UG/L	
59) MIBK	6.277	43	13328m	2.96	UG/L	
60) CIS-1,3-DICHLOROPROPENE	6.112	75	1497m	0.32	UG/L	
61) TOLUENE	6.422	91	4069m	0.36	UG/L	
62) TRANS-1,3,-DICHLOROPRO...	6.662	75	1127m	0.27	UG/L	
64) 1,1,2-TRICHLOROETHANE	6.829	97	870	0.33	UG/L	# 15
65) 2-HEXANONE	7.122	43	8733m	2.70	UG/L	
66) TETRACHLOROETHENE	6.943	166	711m	0.27	UG/L	
67) 1,3-DICHLOROPROPANE	6.991	76	1390m	0.28	UG/L	
68) DIBROMOCHLOROMETHANE	7.194	129	1170m	0.39	UG/L	
69) 1,2-DIBROMOETHANE	7.306	107	807	0.27	UG/L	90
72) CHLOROBENZENE	7.783	112	2576	0.37	UG/L	# 73
73) 1,1,1,2-TETRACHLOROETHANE	7.866	131	883	0.35	UG/L	# 65
74) ETHYLBENZENE	7.908	91	3993	0.33	UG/L	91
75) M/P-XYLENES	8.025	91	6020	0.66	UG/L	# 65
76) O-XYLENE	8.413	91	3105	0.33	UG/L	98
77) STYRENE	8.438	104	2326m	0.31	UG/L	
78) BROMOFORM	8.591	173	503m	0.23	UG/L	
79) ISOPROPYLBENZENE	8.775	105	3756	0.34	UG/L	97
81) 1,1,2,2-TETRACHLOROETHANE	9.082	83	1358	0.33	UG/L	# 87
83) BROMOBENZENE	9.054	77	1649m	0.33	UG/L	
84) 1,2,3-TRICHLOROPROPANE	9.116	75	1153m	0.33	UG/L	
85) N-PROPYLBENZENE	9.185	91	3894	0.30	UG/L	# 51
86) 2-CHLOROTOLUENE	9.255	91	2769	0.34	UG/L	# 39
87) 1,3,5-TRIMETHYLBENZENE	9.355	105	3232	0.36	UG/L	92
88) 4-CHLOROTOLUENE	9.378	91	2786	0.30	UG/L	89
90) TERT-BUTYLBENZENE	9.673	119	2597	0.36	UG/L	97
91) 1,2,4-TRIMETHYLBENZENE	9.726	105	3073	0.34	UG/L	92
92) SEC-BUTYLBENZENE	9.888	105	3215	0.32	UG/L	# 55
93) 1,3-DICHLOROBENZENE	9.997	146	1676	0.32	UG/L	98
94) P-ISOPROPYLTOLUENE	10.036	119	2782	0.32	UG/L	# 86
95) 1,4-DICHLOROBENZENE	10.075	146	1891	0.34	UG/L	# 44
97) N-BUTYLBENZENE	10.454	91	1989m	0.25	UG/L	
98) 1,2-DICHLOROBENZENE	10.451	146	1717	0.32	UG/L	# 54
100) 1,3,5-TRICHLOROBENZENE	11.455	180	778m	0.21	UG/L	
101) 1,2,4-TRICHLOROBENZENE	12.066	180	450m	0.13	UG/L	
102) HEXACHLOROBUTADIENE	12.211	225	343m	0.26	UG/L	
103) NAPHTHALENE	12.331	128	1432m	0.14	UG/L	
104) 1,2,3-TRICHLOROBENZENE	12.534	180	532m	0.16	UG/L	

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

241

Inst : GCMSV0A3

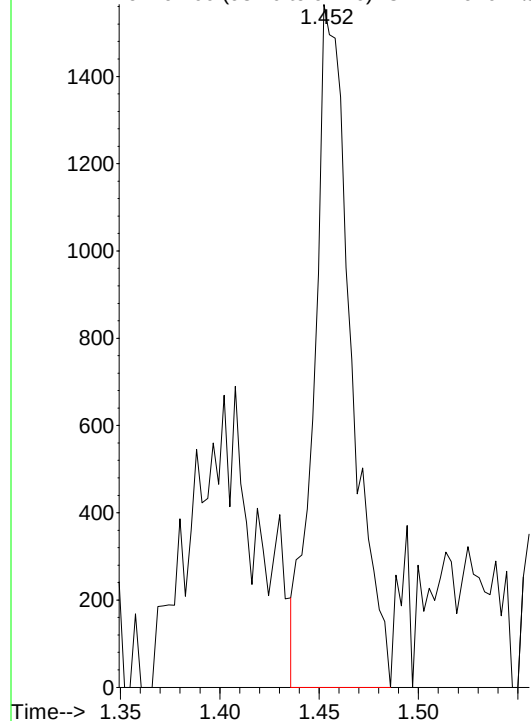
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Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21910.D
Acq On : 8 Aug 2022 10:45 am
Operator :
Sample : 8260STD 0.4PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:14:45 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration
BROMOMETHANE

Abundance Ion 94.00 (93.70 to 94.70): C22V21910.D



Original Int. Results

RT : 1.45
Area : 2018
Amount: 1.09191

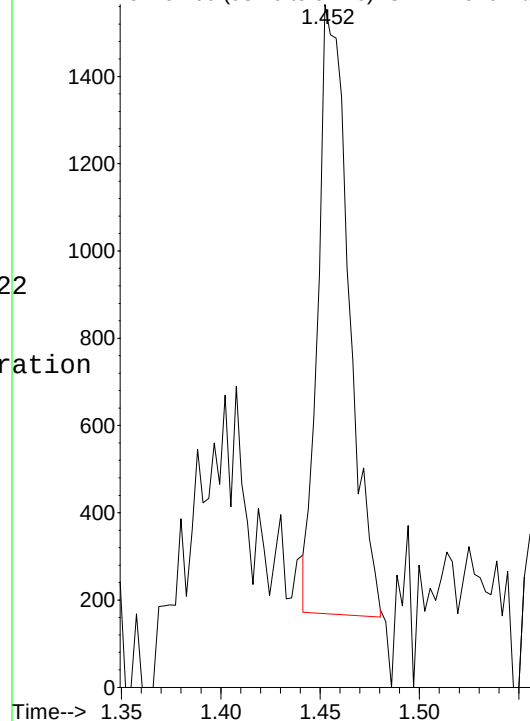
Manual Int. Results

Mon Aug 08 12:12:02 2022

MIuser: EEH
Reason: Incoret Integration
RT : 1.45
Area : 1504
Amount: 0.813796

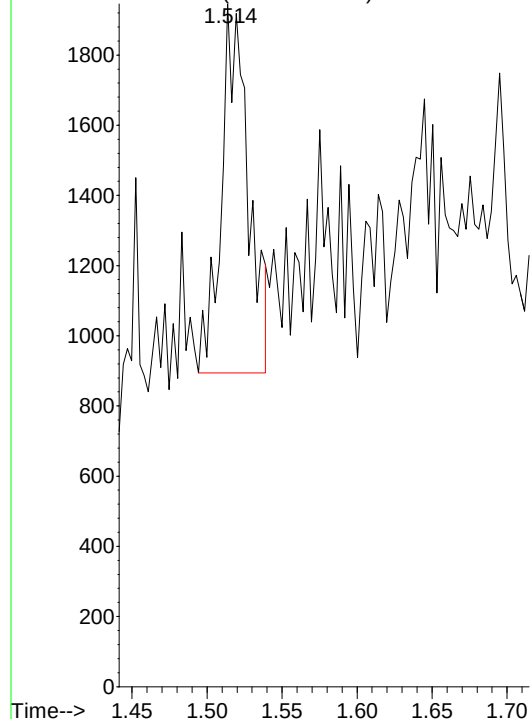
Manual Integration
BROMOMETHANE

Abundance Ion 94.00 (93.70 to 94.70): C22V21910.D



Original Integration
CHLOROETHANE

Abundance Ion 64.00 (63.70 to 64.70): C22V21910.D



Original Int. Results

RT : 1.51
Area : 1315
Amount: 0.703036

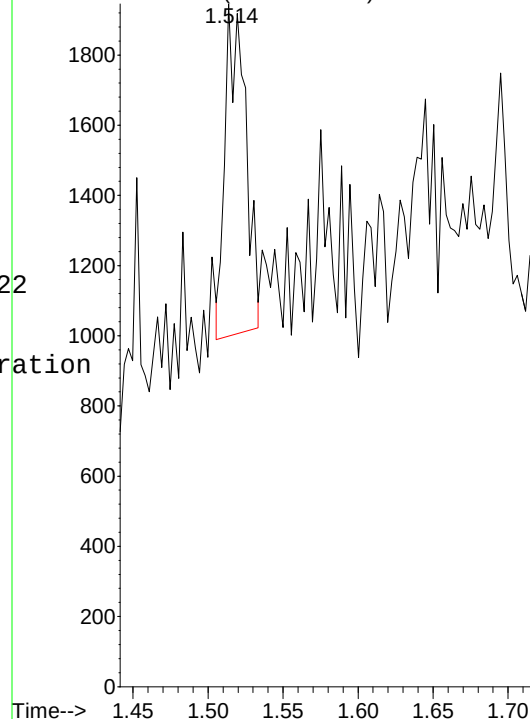
Manual Int. Results

Mon Aug 08 12:12:10 2022

MIuser: EEH
Reason: Incoret Integration
RT : 1.51
Area : 891
Amount: 0.476354

Manual Integration
CHLOROETHANE

Abundance Ion 64.00 (63.70 to 64.70): C22V21910.D



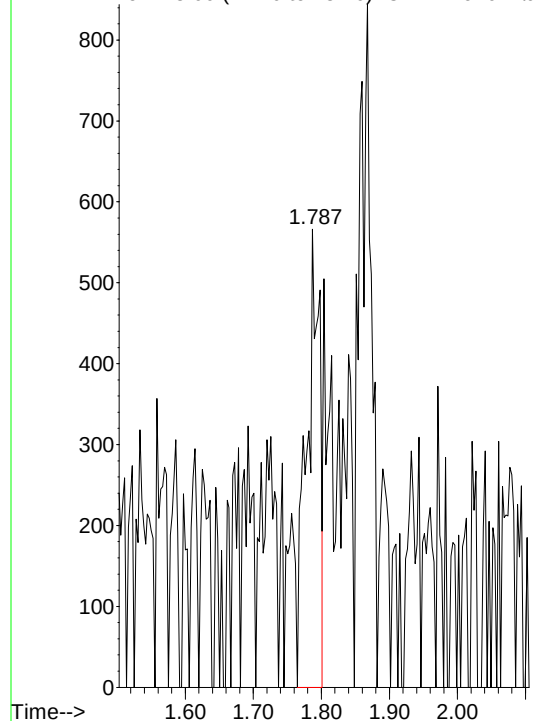
Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21910.D
Acq On : 8 Aug 2022 10:45 am
Operator :
Sample : 8260STD 0.4PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:14:45 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration

ETHANOL

Abundance Ion 45.00 (44.70 to 45.70): C22V21910.D



Original Int. Results

RT : 1.79
Area : 753
Amount: 11.3455

Manual Int. Results

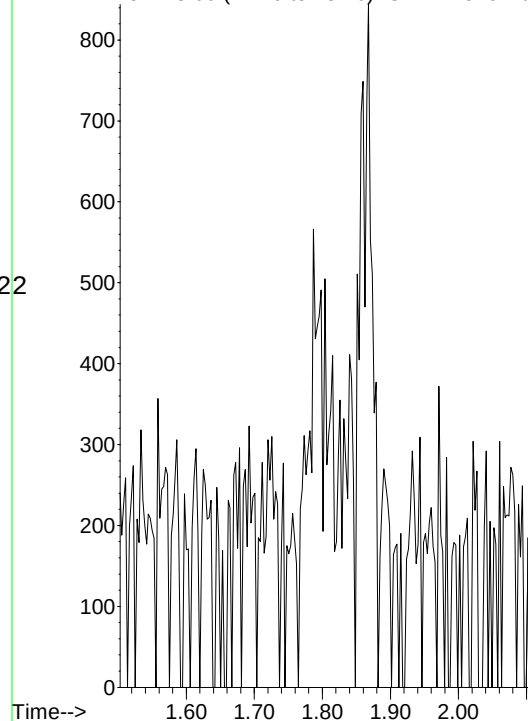
Mon Aug 08 12:12:15 2022

MIuser: EEH
Reason: Split Peak
RT : 0.00
Area : 0
Amount: 0

Manual Integration

ETHANOL

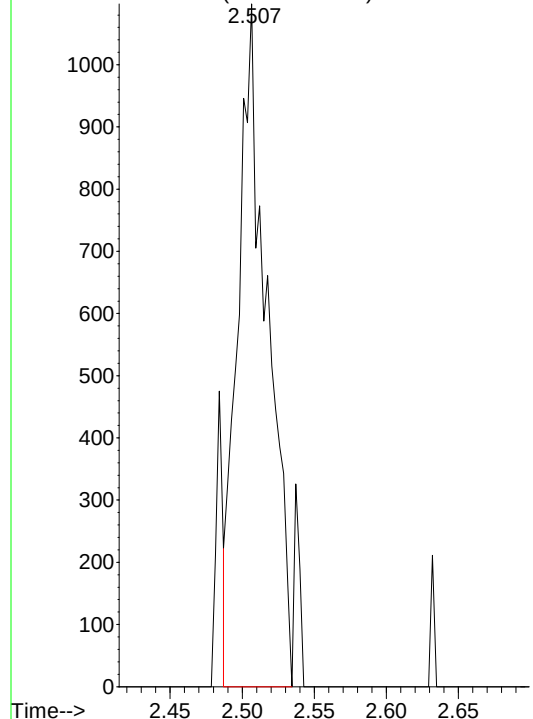
Abundance Ion 45.00 (44.70 to 45.70): C22V21910.D



Original Integration

T-BUTYL ALCOHOL

Abundance Ion 59.10 (58.80 to 59.80): C22V21910.D



Original Int. Results

RT : 2.51
Area : 1572
Amount: 3.34549

Manual Int. Results

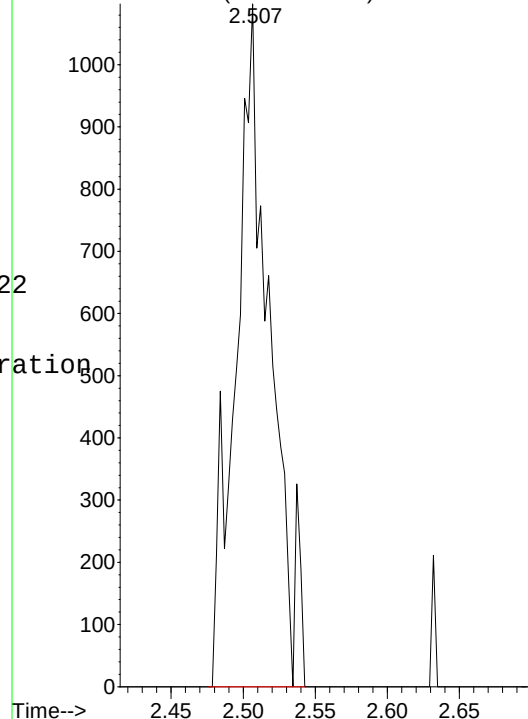
Mon Aug 08 12:12:29 2022

MIuser: EEH
Reason: Incoret Integration
RT : 2.51
Area : 1811
Amount: 3.85413

Manual Integration

T-BUTYL ALCOHOL

Abundance Ion 59.10 (58.80 to 59.80): C22V21910.D

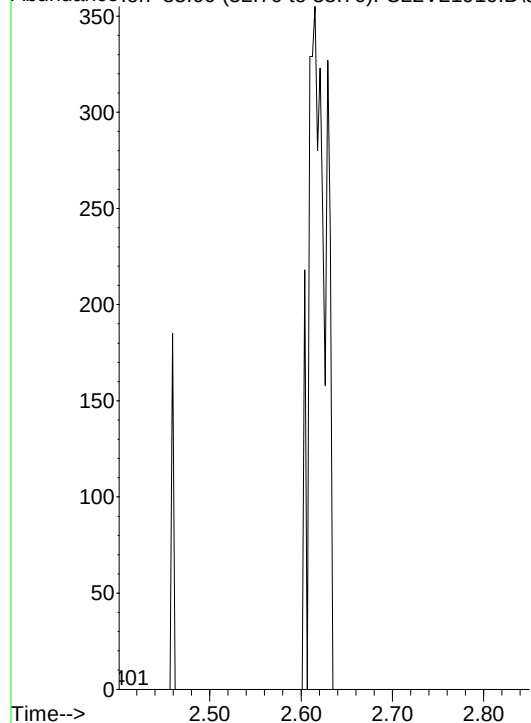


Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21910.D
Acq On : 8 Aug 2022 10:45 am
Operator :
Sample : 8260STD 0.4PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:14:45 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration
ACRYLONITRILE

Abundance Ion 53.00 (52.70 to 53.70): C22V21910.D



Original Int. Results

RT : 0.00
Area : 0
Amount: 0

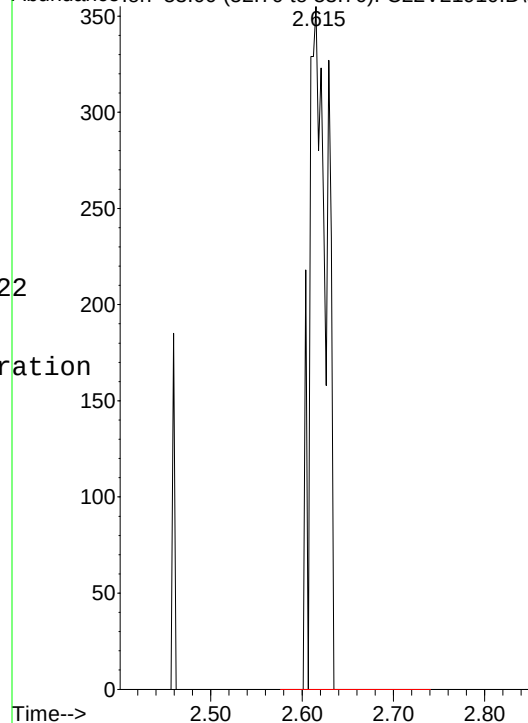
Manual Int. Results

Mon Aug 08 12:12:31 2022

MIuser: EEH
Reason: Incoret Integration
RT : 2.62
Area : 469
Amount: 0.290844

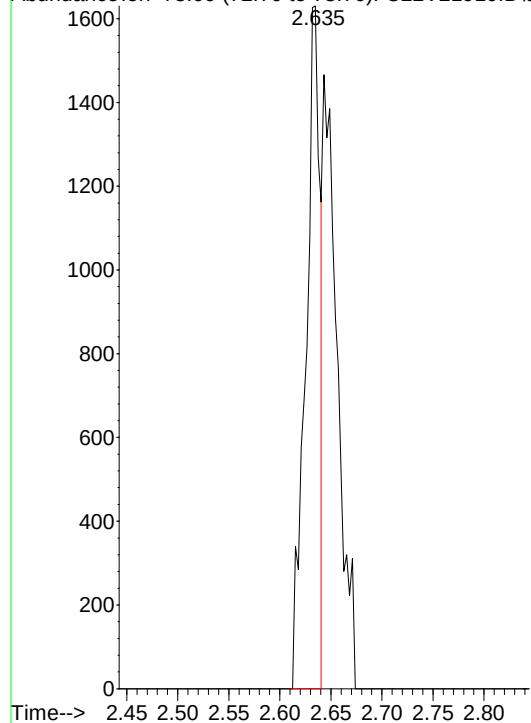
Manual Integration
ACRYLONITRILE

Abundance Ion 53.00 (52.70 to 53.70): C22V21910.D



Original Integration
METHYL TERT-BUTYL ETHER (MTBE)

Abundance Ion 73.00 (72.70 to 73.70): C22V21910.D



Original Int. Results

RT : 2.63
Area : 1586
Amount: 0.186439

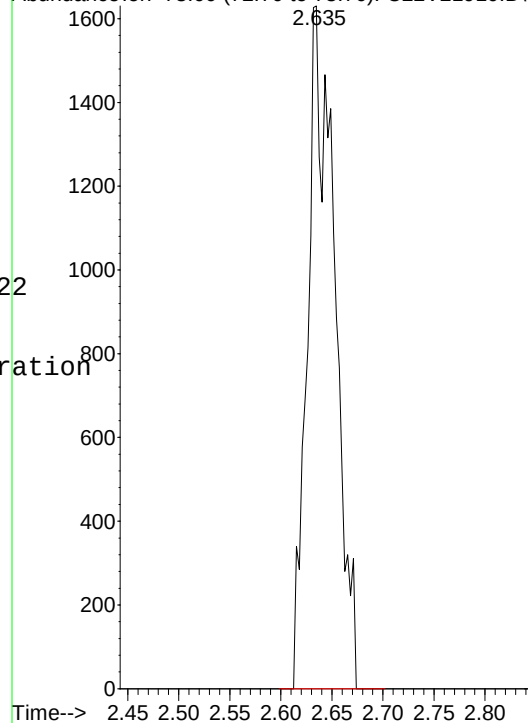
Manual Int. Results

Mon Aug 08 12:12:35 2022

MIuser: EEH
Reason: Incoret Integration
RT : 2.63
Area : 3020
Amount: 0.35501

Manual Integration
METHYL TERT-BUTYL ETHER (MTBE)

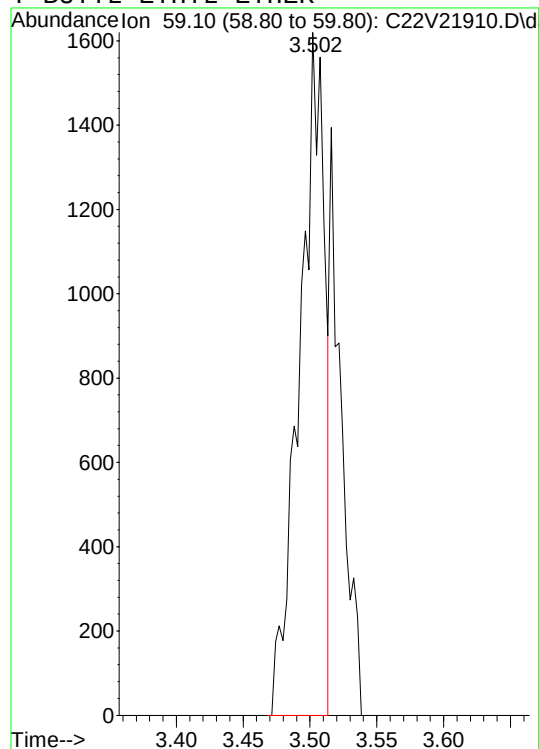
Abundance Ion 73.00 (72.70 to 73.70): C22V21910.D



Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21910.D
Acq On : 8 Aug 2022 10:45 am
Operator :
Sample : 8260STD 0.4PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:14:45 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration
T-BUTYL ETHYL ETHER



Original Int. Results

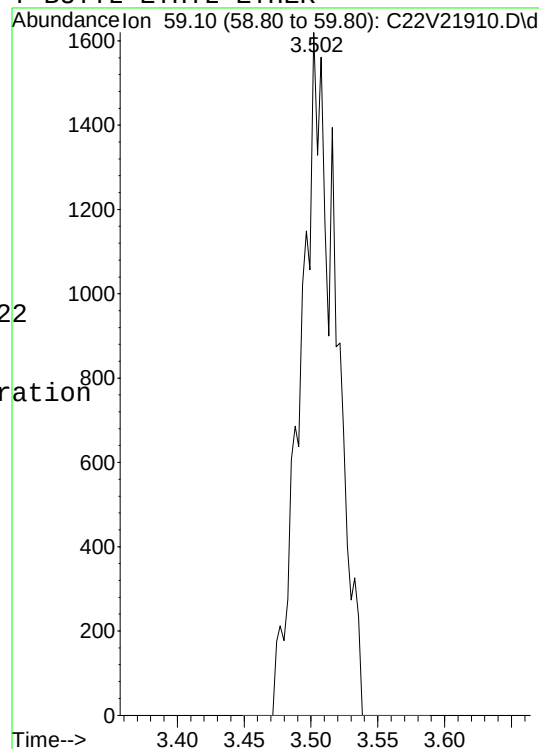
RT : 3.50
Area : 2103
Amount: 0.223231

Manual Int. Results

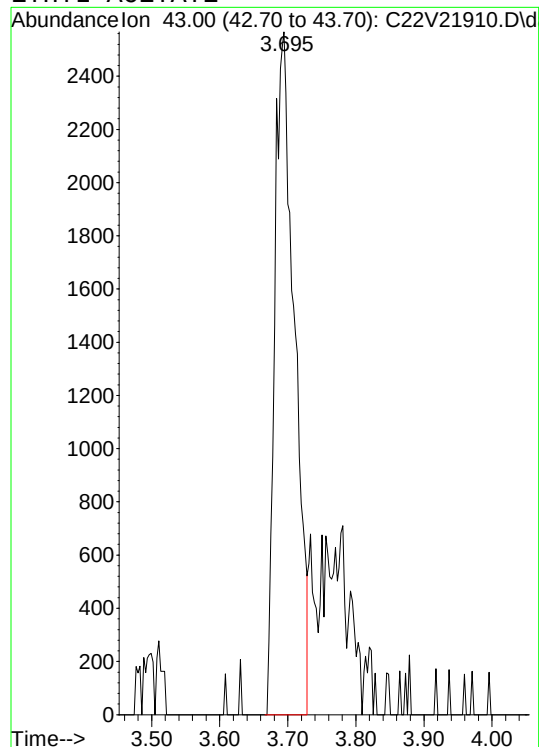
Mon Aug 08 12:12:44 2022

MIuser: EEH
Reason: Incoret Integration
RT : 3.50
Area : 2951
Amount: 0.313245

Manual Integration
T-BUTYL ETHYL ETHER



Original Integration
ETHYL ACETATE



Original Int. Results

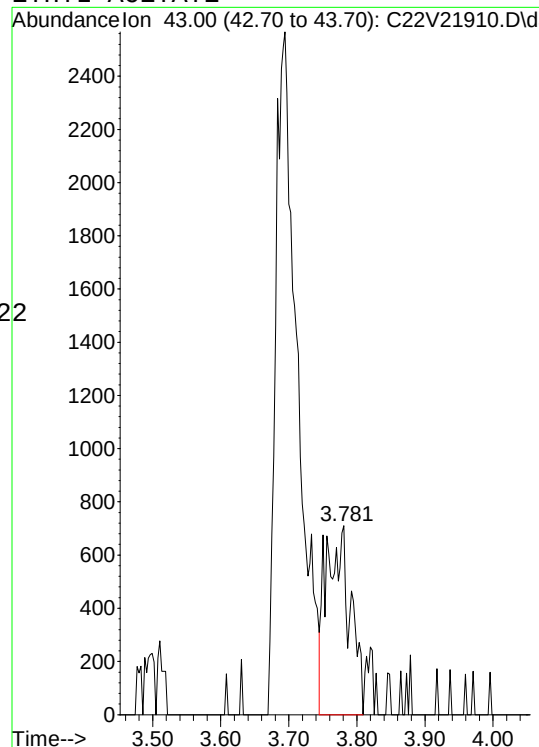
RT : 3.69
Area : 5184
Amount: 1.17002

Manual Int. Results

Mon Aug 08 12:12:59 2022

MIuser: EEH
Reason: Other
RT : 3.78
Area : 1728
Amount: 0.390005

Manual Integration
ETHYL ACETATE

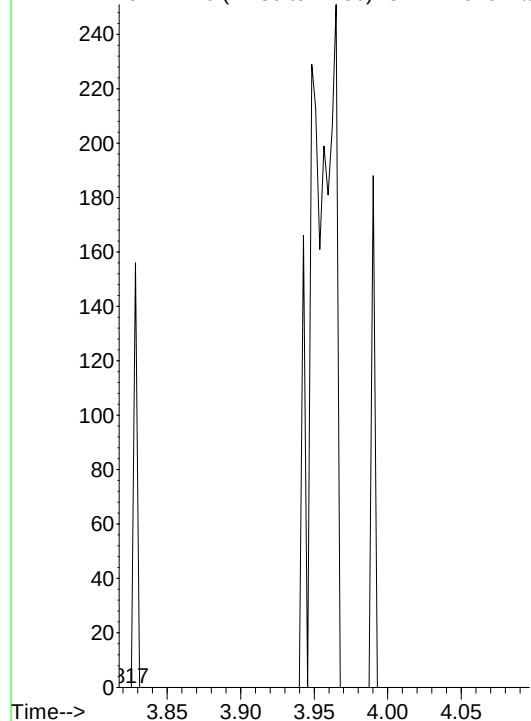


Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21910.D
Acq On : 8 Aug 2022 10:45 am
Operator :
Sample : 8260STD 0.4PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:14:45 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration
TETRAHYDROFURAN

Abundance Ion 42.10 (41.80 to 42.80): C22V21910.D



Original Int. Results

RT : 0.00
Area : 0
Amount: 0

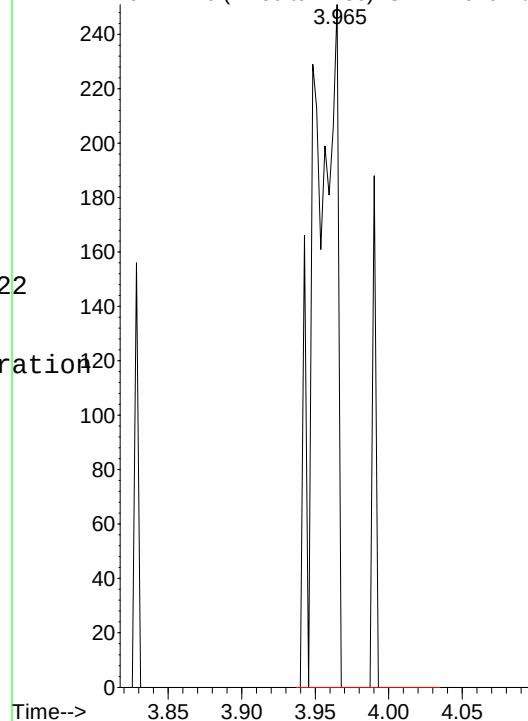
Manual Int. Results

Mon Aug 08 12:13:05 2022

MIuser: EEH
Reason: Incoret Integration
RT : 3.96
Area : 300
Amount: 0.229083

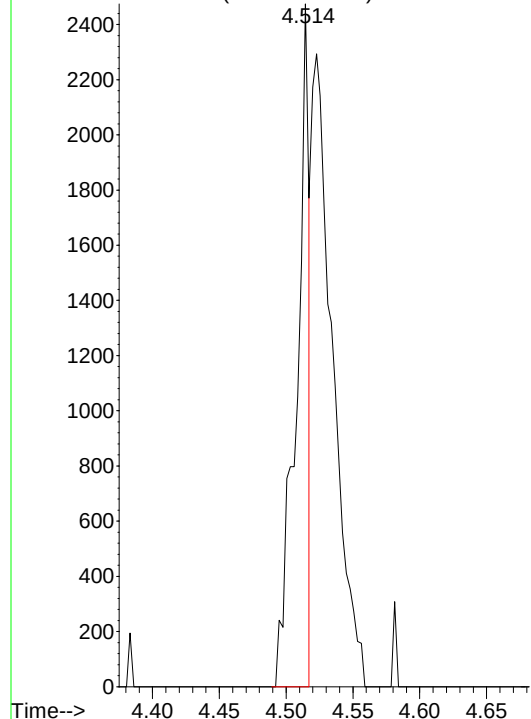
Manual Integration
TETRAHYDROFURAN

Abundance Ion 42.10 (41.80 to 42.80): C22V21910.D



Original Integration
BENZENE

Abundance Ion 78.00 (77.70 to 78.70): C22V21910.D



Original Int. Results

RT : 4.51
Area : 1613
Amount: 0.143975

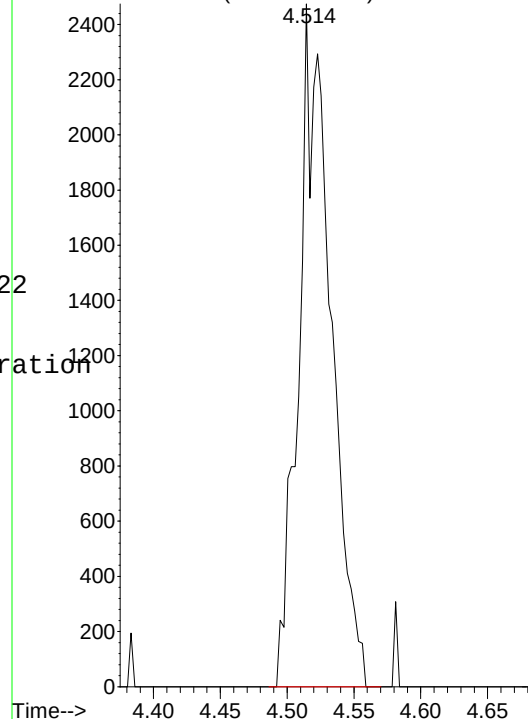
Manual Int. Results

Mon Aug 08 12:13:11 2022

MIuser: EEH
Reason: Incoret Integration
RT : 4.51
Area : 4104
Amount: 0.366318

Manual Integration
BENZENE

Abundance Ion 78.00 (77.70 to 78.70): C22V21910.D



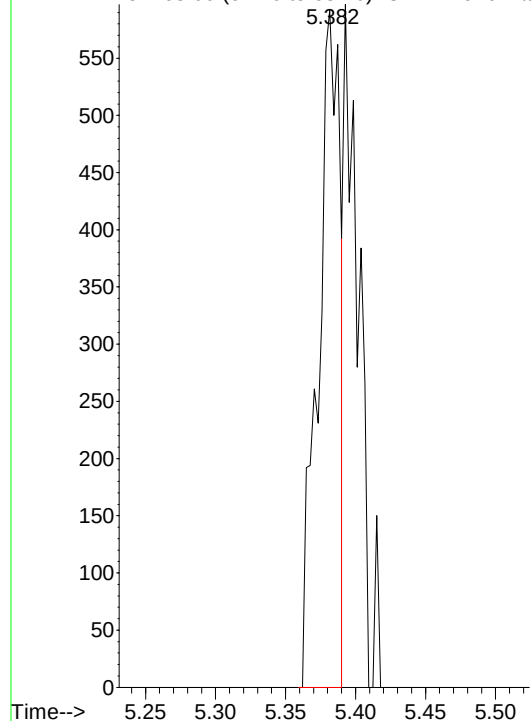
Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21910.D
Acq On : 8 Aug 2022 10:45 am
Operator :
Sample : 8260STD 0.4PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:14:45 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration

1,2-DICHLOROPROPANE

Abundance Ion 63.00 (62.70 to 63.70): C22V21910.D



Original Int. Results

RT : 5.38
Area : 637
Amount: 0.208613

Manual Int. Results

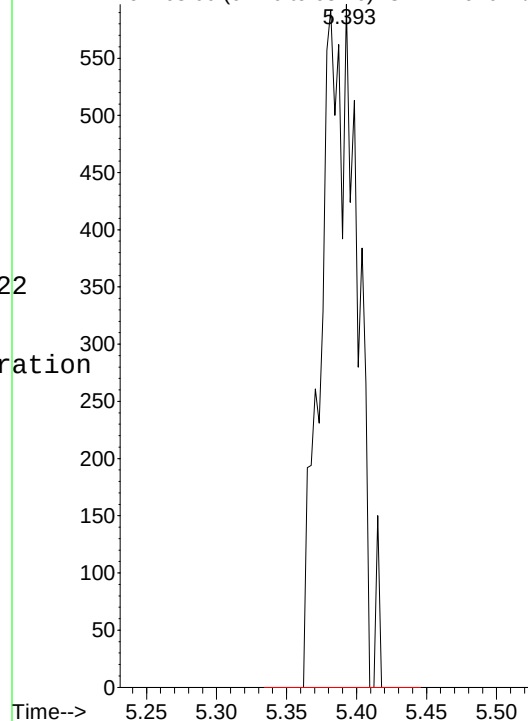
Mon Aug 08 12:13:17 2022

MIuser: EEH
Reason: Incoret Integration
RT : 5.39
Area : 1075
Amount: 0.352055

Manual Integration

1,2-DICHLOROPROPANE

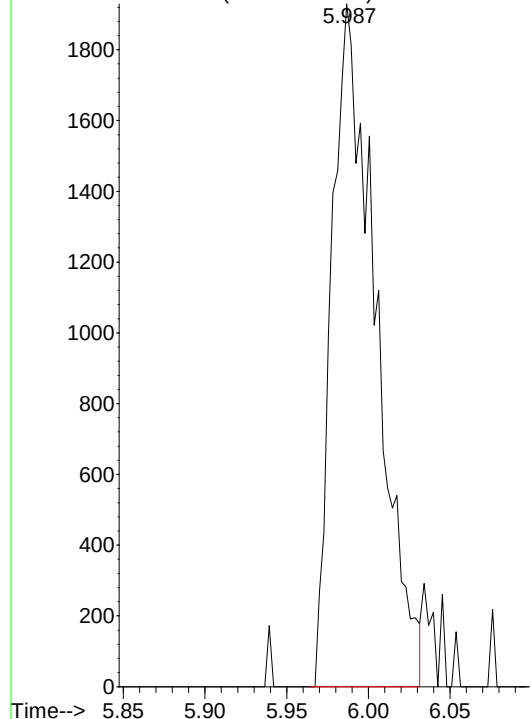
Abundance Ion 63.00 (62.70 to 63.70): C22V21910.D



Original Integration

2-CHLOROETHYL VINYLETHER

Abundance Ion 63.00 (62.70 to 63.70): C22V21910.D



Original Int. Results

RT : 5.99
Area : 3594
Amount: 2.40983

Manual Int. Results

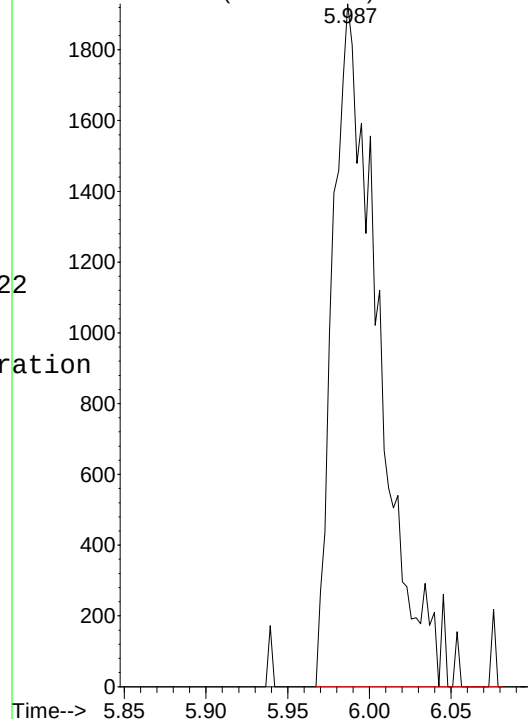
Mon Aug 08 12:13:26 2022

MIuser: EEH
Reason: Incoret Integration
RT : 5.99
Area : 3813
Amount: 2.55667

Manual Integration

2-CHLOROETHYL VINYLETHER

Abundance Ion 63.00 (62.70 to 63.70): C22V21910.D

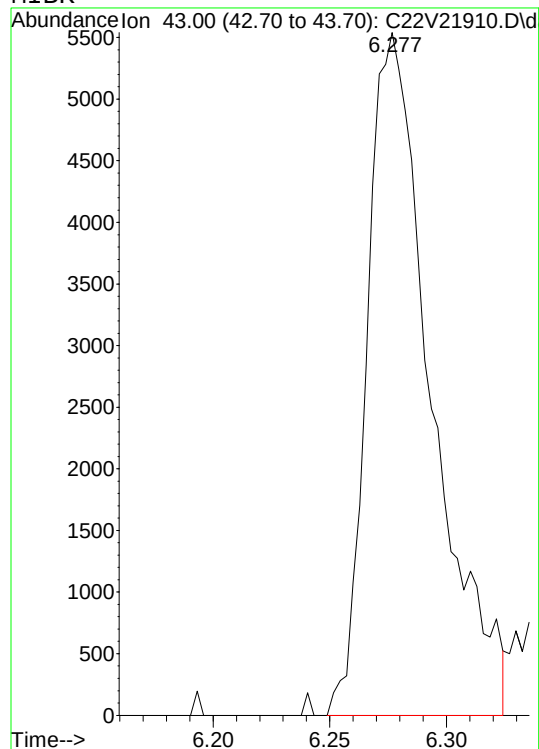


Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21910.D
Acq On : 8 Aug 2022 10:45 am
Operator :
Sample : 8260STD 0.4PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:14:45 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration

MIBK



Original Int. Results

RT : 6.28
Area : 10540
Amount: 2.34447

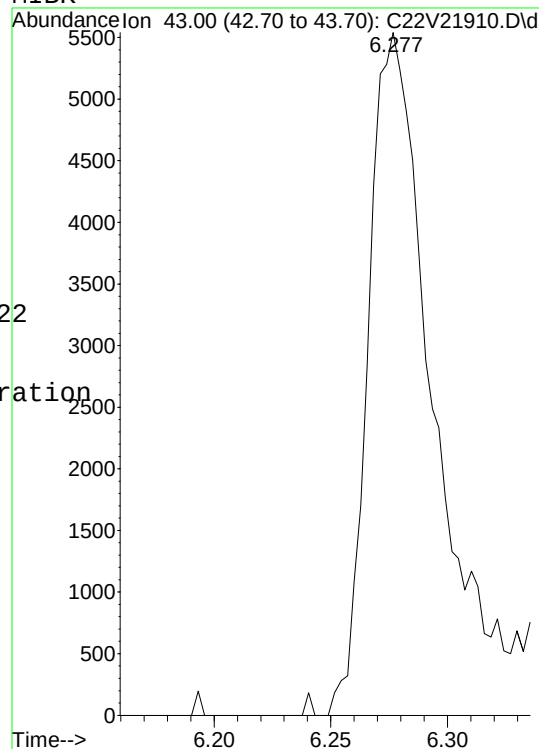
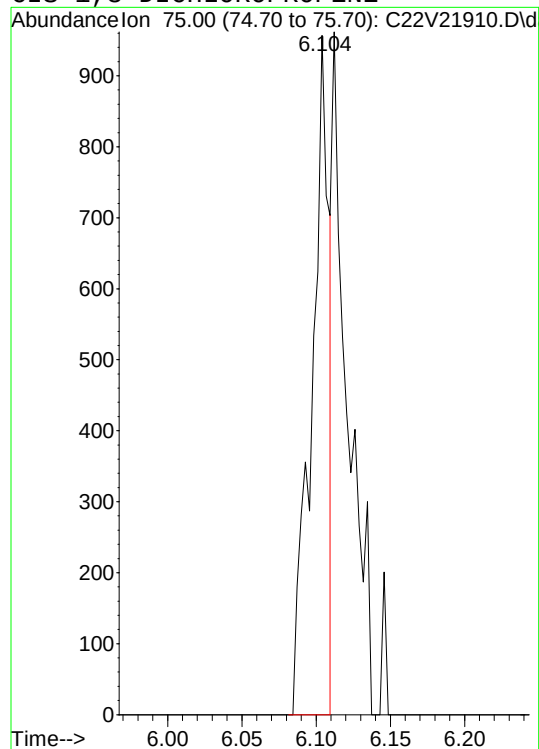
Manual Int. Results

Mon Aug 08 12:13:31 2022

MIuser: EEH
Reason: Incoret Integration
RT : 6.28
Area : 13328
Amount: 2.96462

Manual Integration

MIBK

Original Integration
CIS-1,3-DICHLOROPROPENE

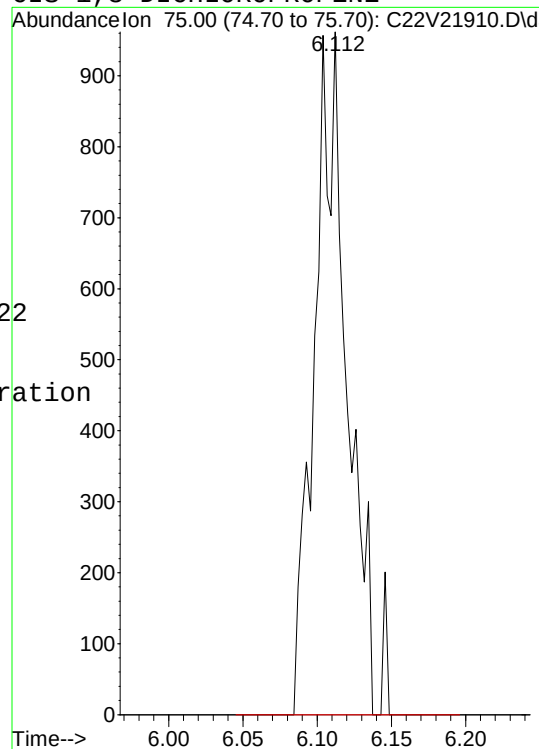
Original Int. Results

RT : 6.10
Area : 779
Amount: 0.167276

Manual Int. Results

Mon Aug 08 12:13:34 2022

MIuser: EEH
Reason: Incoret Integration
RT : 6.11
Area : 1497
Amount: 0.321454

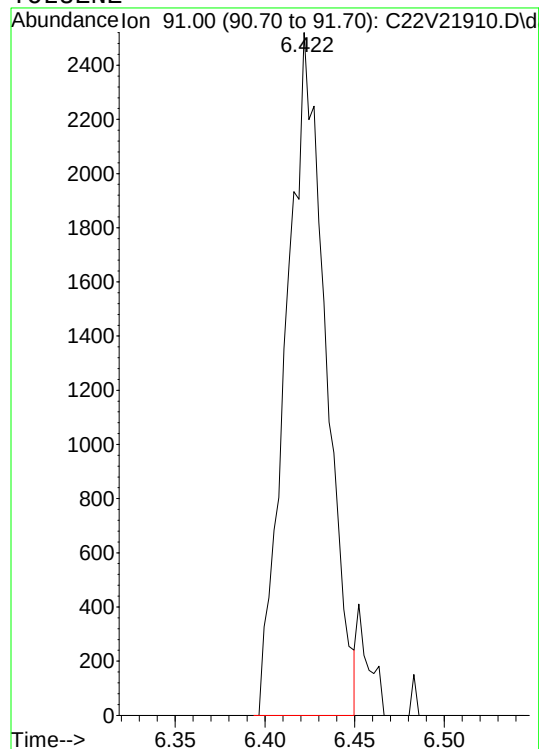
Manual Integration
CIS-1,3-DICHLOROPROPENE

Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21910.D
Acq On : 8 Aug 2022 10:45 am
Operator :
Sample : 8260STD 0.4PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:14:45 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration

TOLUENE



Original Int. Results

RT : 6.42
Area : 3854
Amount: 0.344261

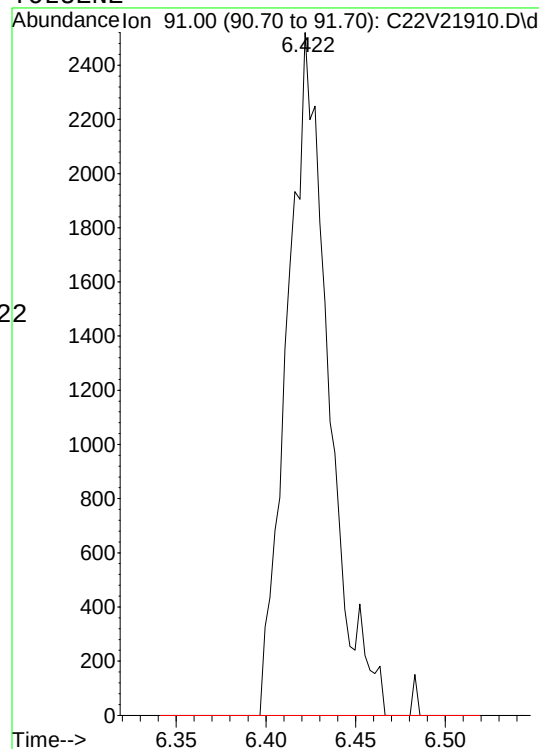
Manual Int. Results

Mon Aug 08 12:13:36 2022

MIuser: EEH
Reason: Other
RT : 6.42
Area : 4069
Amount: 0.363466

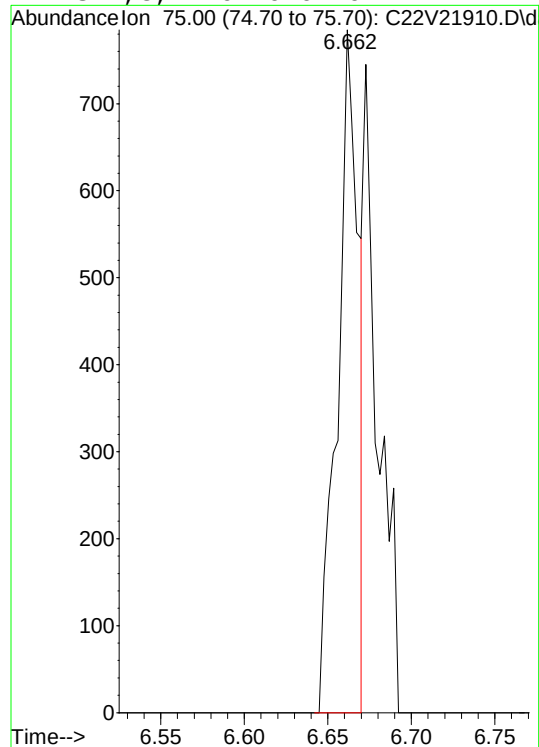
Manual Integration

TOLUENE



Original Integration

TRANS-1,3,-DICHLOROPROPENE



Original Int. Results

RT : 6.66
Area : 687
Amount: 0.163189

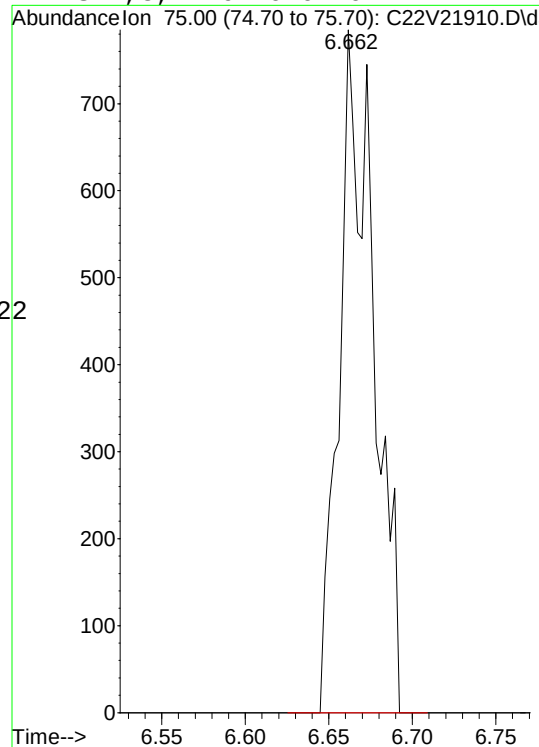
Manual Int. Results

Mon Aug 08 12:13:39 2022

MIuser: EEH
Reason: Other
RT : 6.66
Area : 1127
Amount: 0.267706

Manual Integration

TRANS-1,3,-DICHLOROPROPENE

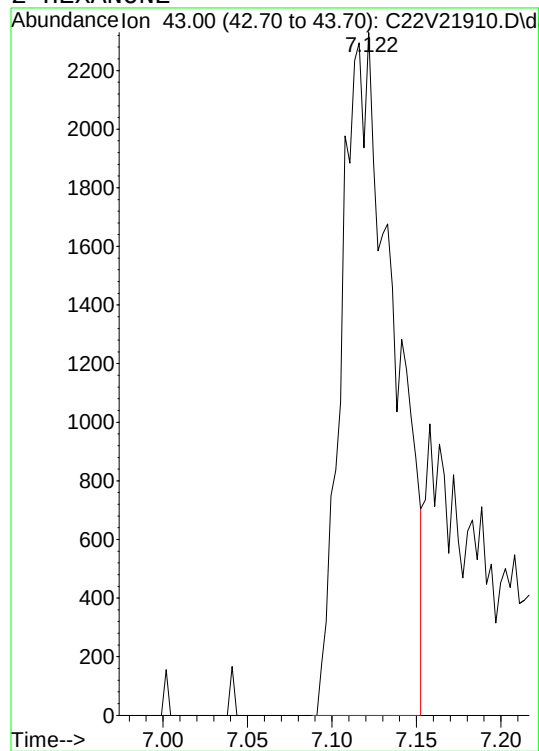


Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21910.D
Acq On : 8 Aug 2022 10:45 am
Operator :
Sample : 8260STD 0.4PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:14:45 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration

2-HEXANONE



Original Int. Results

RT : 7.12
Area : 5047
Amount: 1.56305

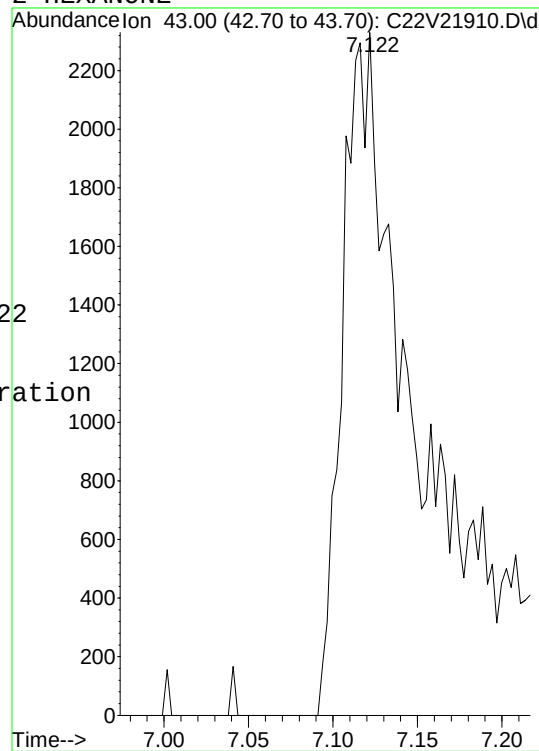
Manual Int. Results

Mon Aug 08 12:13:46 2022

MIuser: EEH
Reason: Incoret Integration
RT : 7.12
Area : 8733
Amount: 2.7046

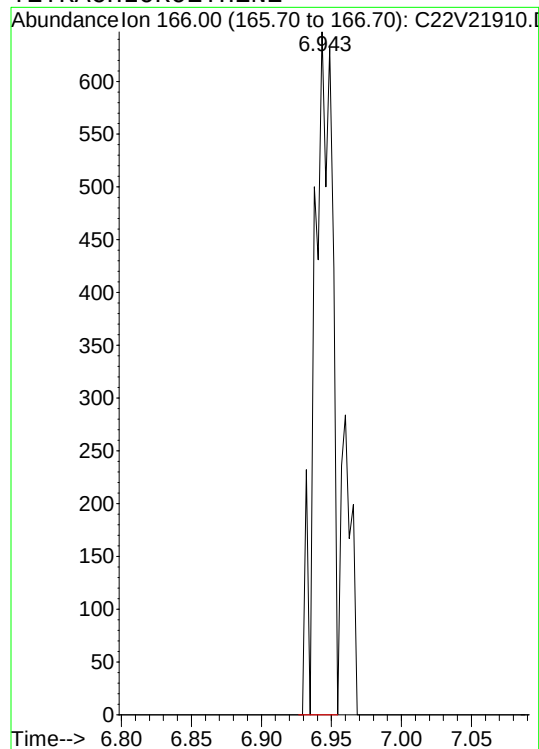
Manual Integration

2-HEXANONE



Original Integration

TETRACHLOROETHENE



Original Int. Results

RT : 6.94
Area : 563
Amount: 0.217238

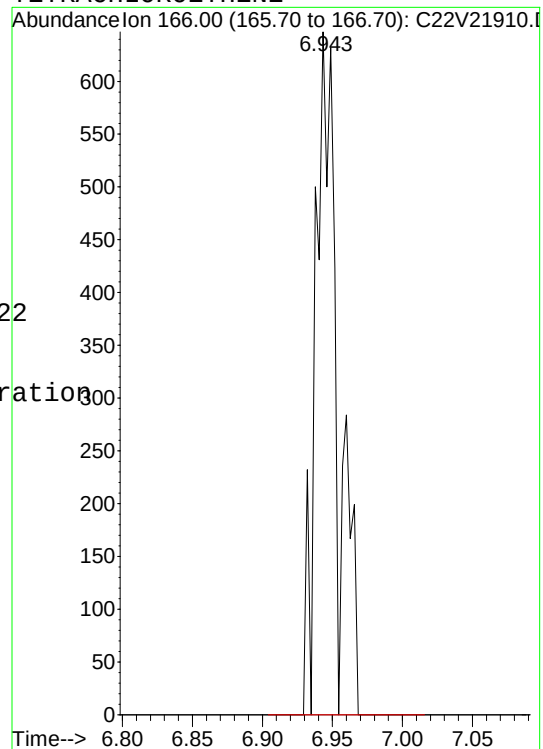
Manual Int. Results

Mon Aug 08 12:13:49 2022

MIuser: EEH
Reason: Incoret Integration
RT : 6.94
Area : 711
Amount: 0.274346

Manual Integration

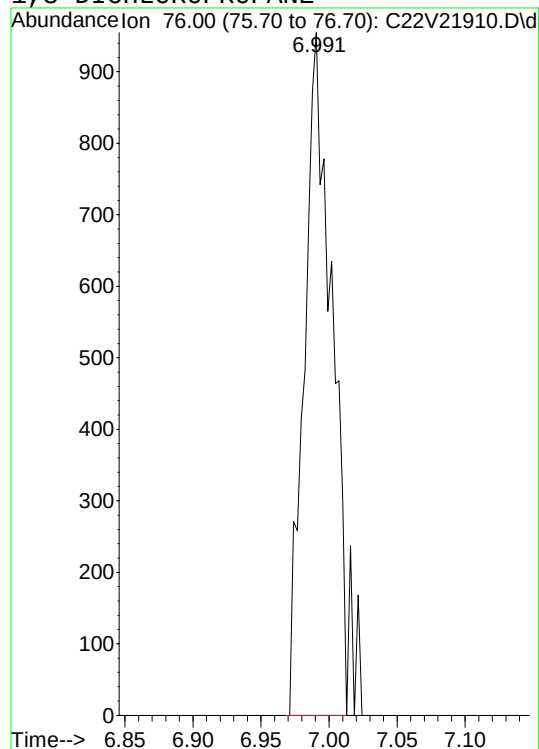
TETRACHLOROETHENE



Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21910.D
Acq On : 8 Aug 2022 10:45 am
Operator :
Sample : 8260STD 0.4PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:14:45 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration
1,3-DICHLOROPROPANE



Original Int. Results

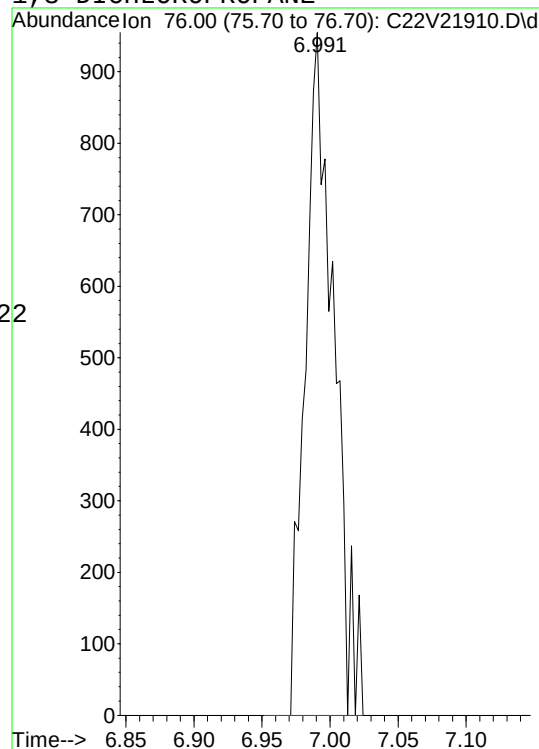
RT : 6.99
Area : 1322
Amount: 0.269115

Manual Int. Results

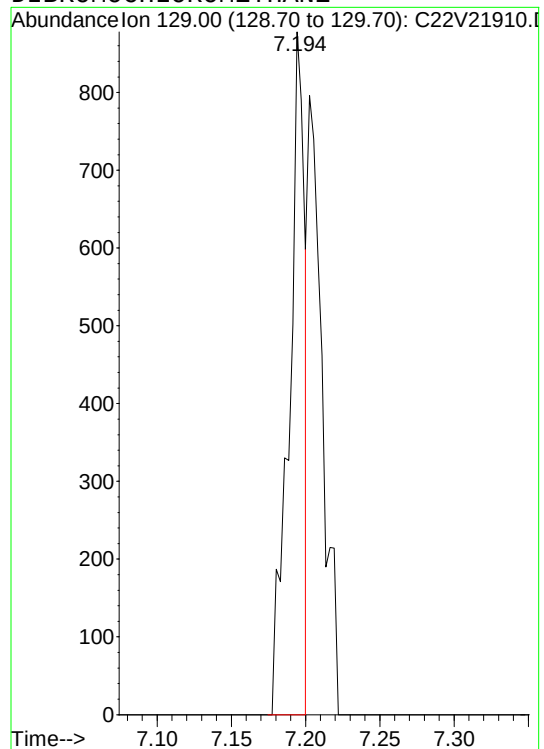
Mon Aug 08 12:13:51 2022

MIuser: EEH
Reason: Other
RT : 6.99
Area : 1390
Amount: 0.282957

Manual Integration
1,3-DICHLOROPROPANE



Original Integration
DIBROMOCHLOROMETHANE



Original Int. Results

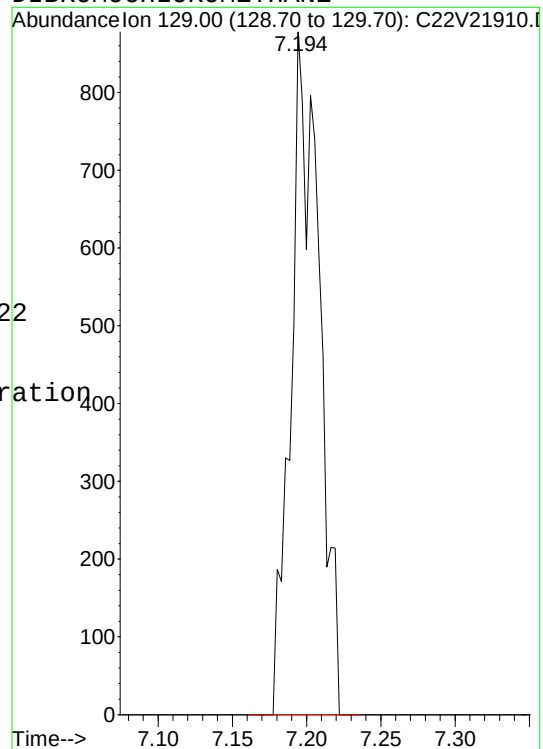
RT : 7.19
Area : 633
Amount: 0.208798

Manual Int. Results

Mon Aug 08 12:13:54 2022

MIuser: EEH
Reason: Incoret Integration
RT : 7.19
Area : 1170
Amount: 0.38593

Manual Integration
DIBROMOCHLOROMETHANE

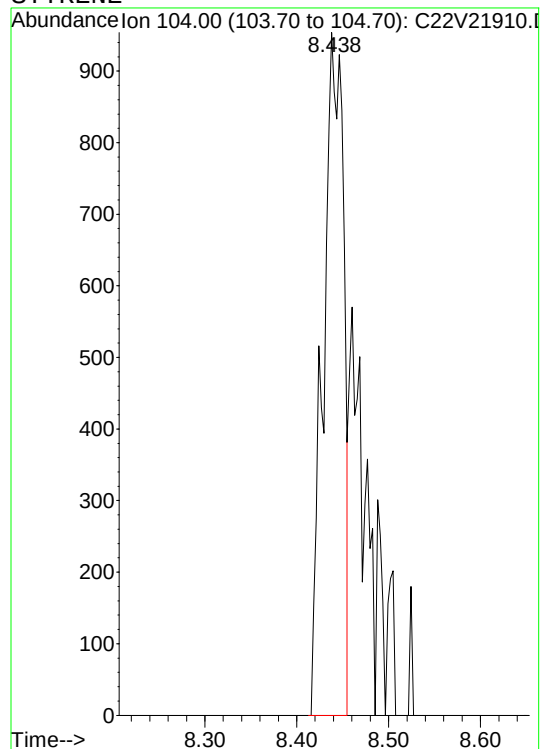


Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21910.D
Acq On : 8 Aug 2022 10:45 am
Operator :
Sample : 8260STD 0.4PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:14:45 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration

STYRENE



Original Int. Results

RT : 8.44
Area : 1458
Amount: 0.192486

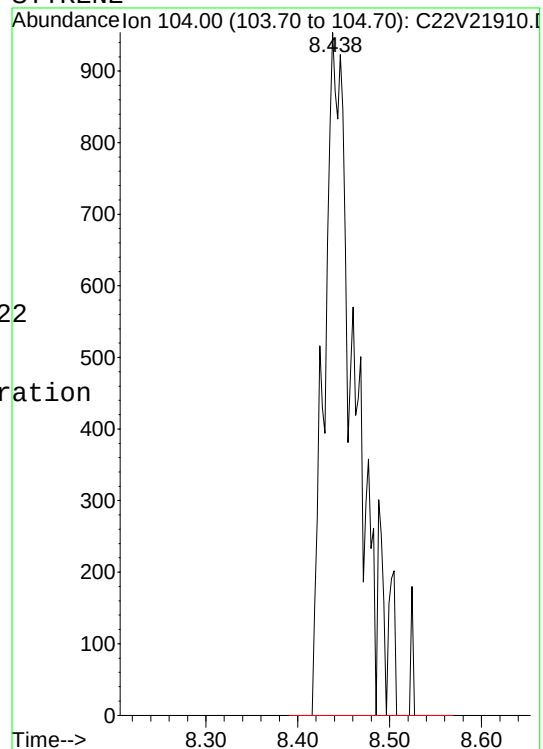
Manual Int. Results

Mon Aug 08 12:14:02 2022

MIuser: EEH
Reason: Incoret Integration
RT : 8.44
Area : 2326
Amount: 0.307079

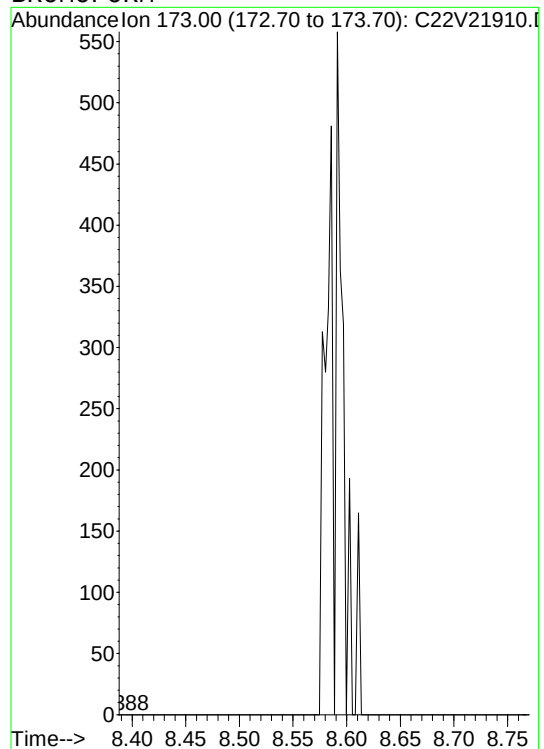
Manual Integration

STYRENE



Original Integration

BROMOFORM



Original Int. Results

RT : 0.00
Area : 0
Amount: 0

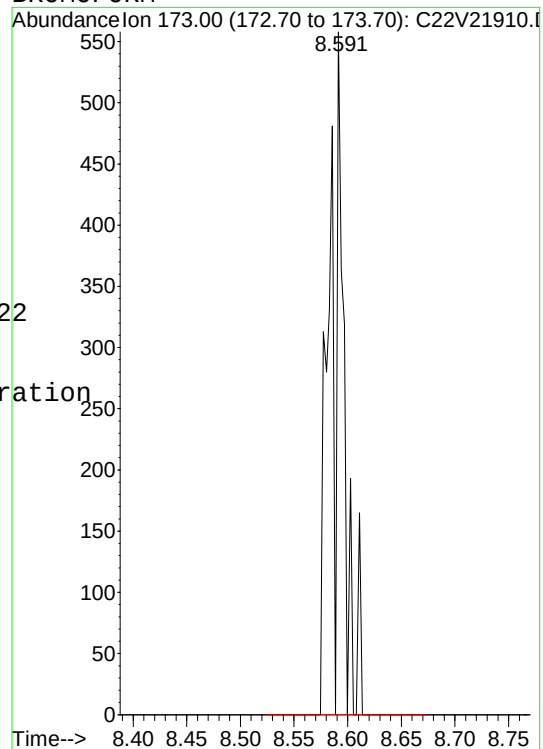
Manual Int. Results

Mon Aug 08 12:14:05 2022

MIuser: EEH
Reason: Incoret Integration
RT : 8.59
Area : 503
Amount: 0.228768

Manual Integration

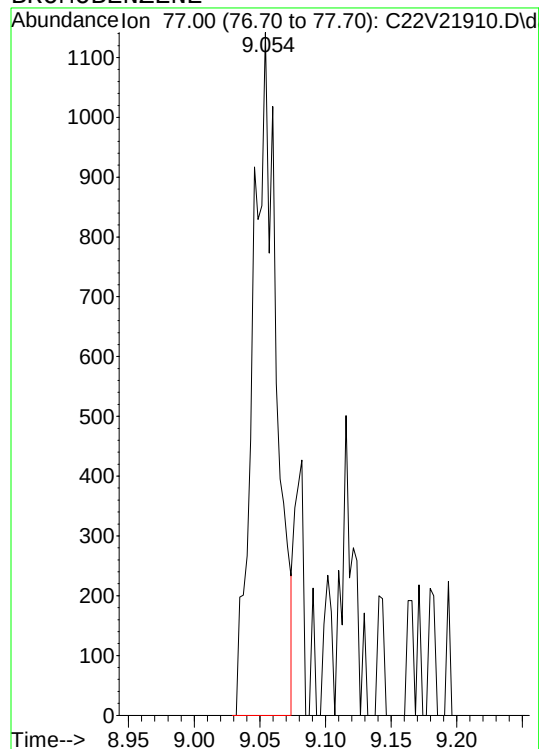
BROMOFORM



Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21910.D
Acq On : 8 Aug 2022 10:45 am
Operator :
Sample : 8260STD 0.4PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:14:45 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration
BROMOBENZENE



Original Int. Results

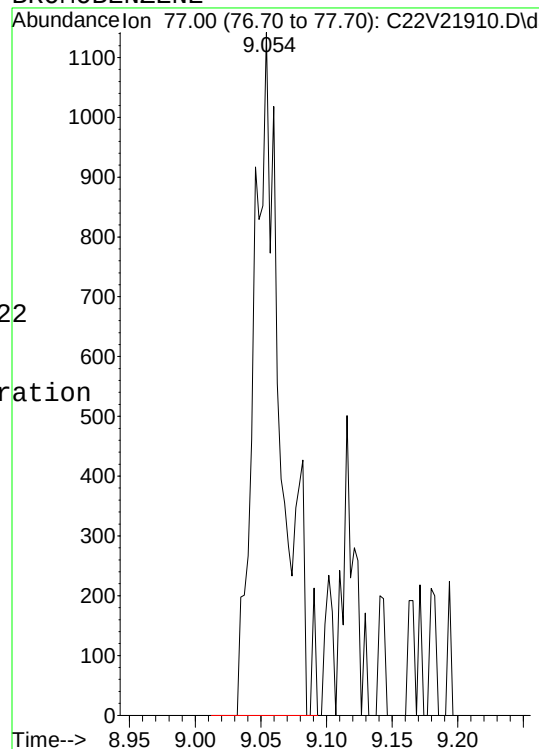
RT : 9.05
Area : 1419
Amount: 0.284194

Manual Int. Results

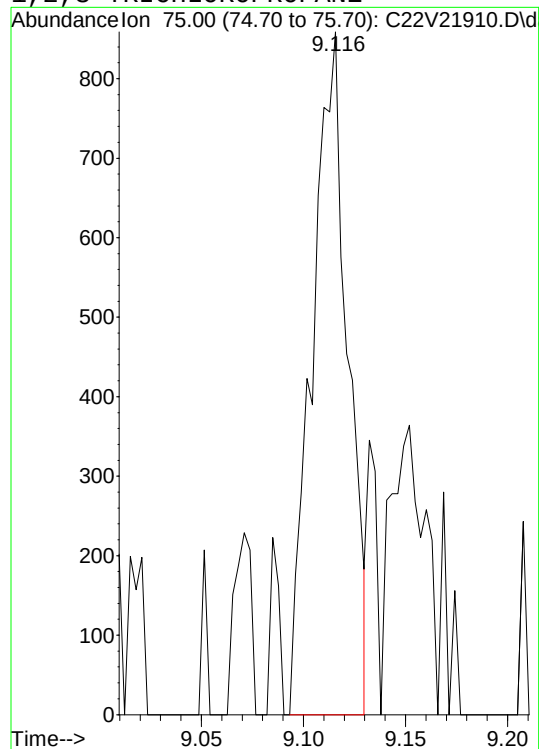
Mon Aug 08 12:14:11 2022

MIuser: EEH
Reason: Incoret Integration
RT : 9.05
Area : 1649
Amount: 0.330258

Manual Integration
BROMOBENZENE



Original Integration
1,2,3-TRICHLOROPROPANE



Original Int. Results

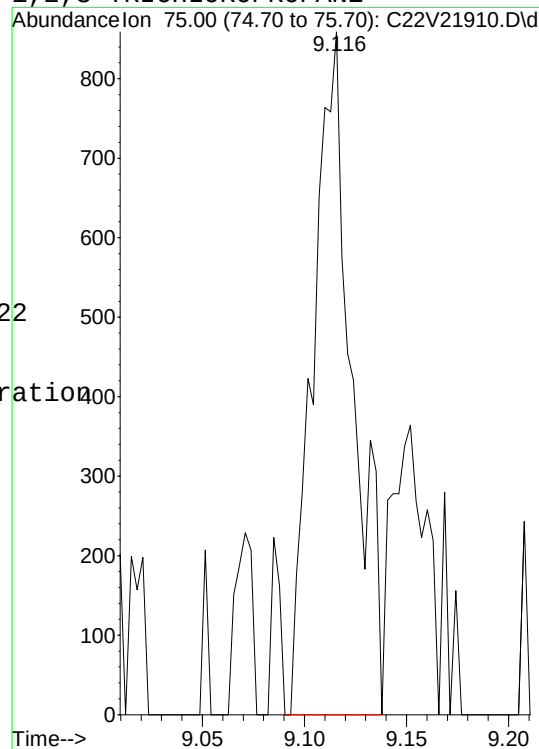
RT : 9.12
Area : 1043
Amount: 0.301014

Manual Int. Results

Mon Aug 08 12:14:18 2022

MIuser: EEH
Reason: Incoret Integration
RT : 9.12
Area : 1153
Amount: 0.33276

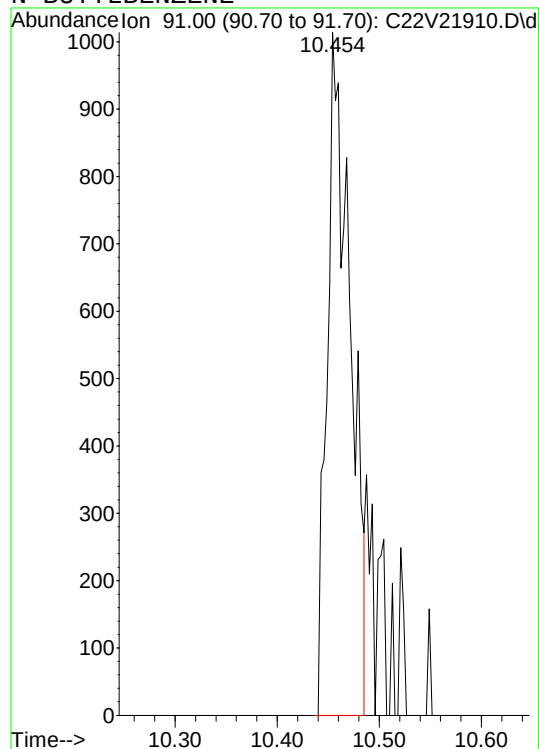
Manual Integration
1,2,3-TRICHLOROPROPANE



Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21910.D
Acq On : 8 Aug 2022 10:45 am
Operator :
Sample : 8260STD 0.4PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:14:45 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration
N-BUTYLBENZENE



Original Int. Results

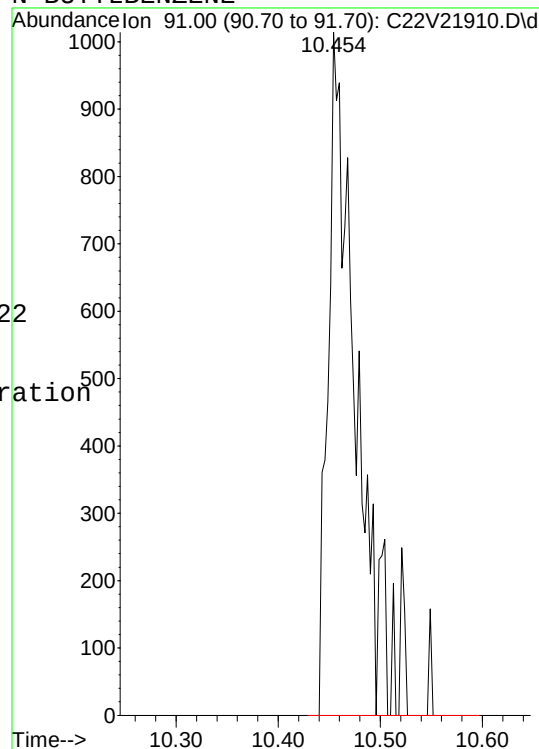
RT : 10.45
Area : 1592
Amount: 0.201569

Manual Int. Results

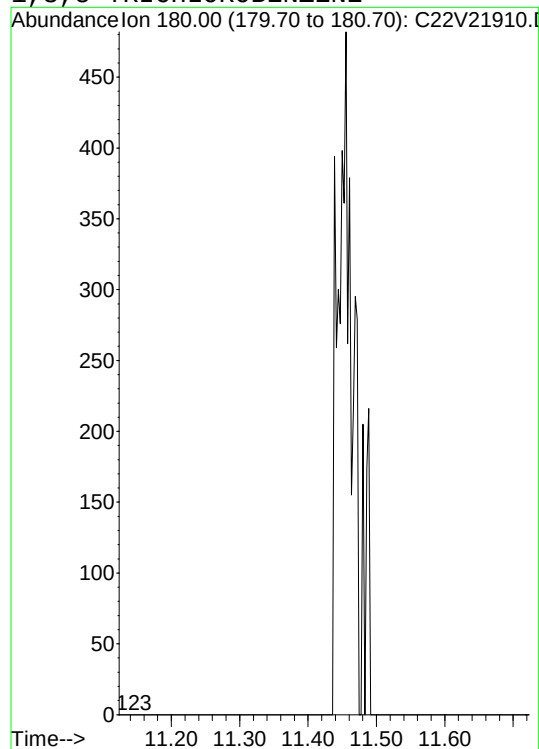
Mon Aug 08 12:14:31 2022

MIuser: EEH
Reason: Incoret Integration
RT : 10.45
Area : 1989
Amount: 0.251835

Manual Integration
N-BUTYLBENZENE



Original Integration
1,3,5-TRICHLOROBENZENE



Original Int. Results

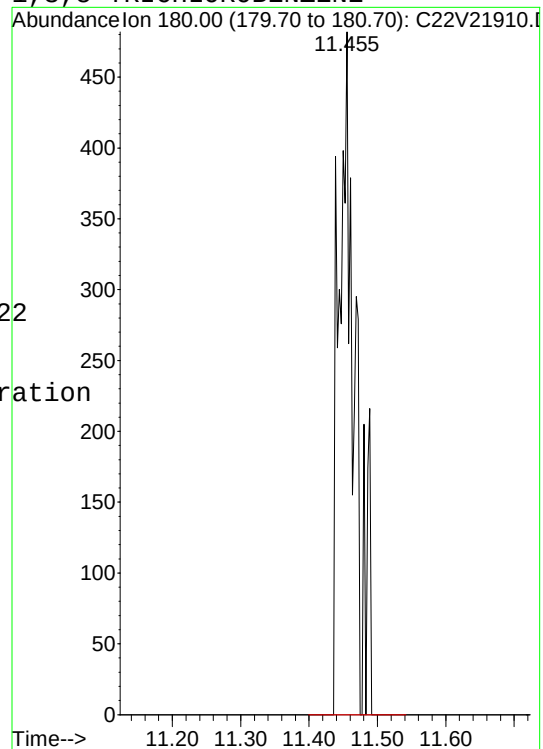
RT : 0.00
Area : 0
Amount: 0

Manual Int. Results

Mon Aug 08 12:14:35 2022

MIuser: EEH
Reason: Incoret Integration
RT : 11.46
Area : 778
Amount: 0.213545

Manual Integration
1,3,5-TRICHLOROBENZENE

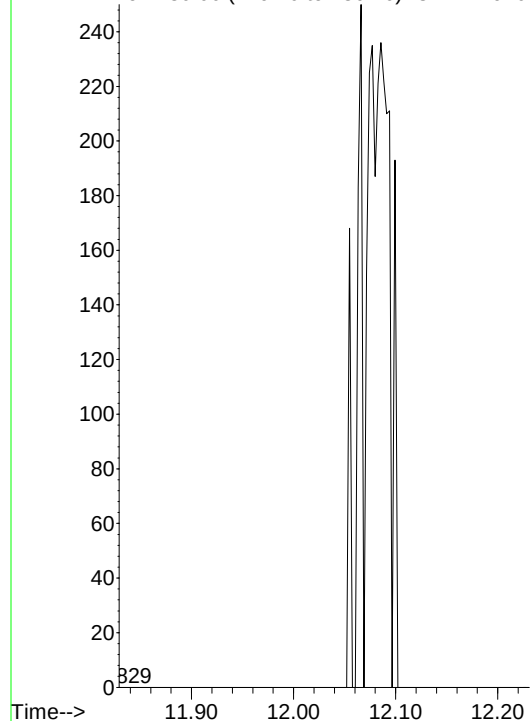


Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21910.D
Acq On : 8 Aug 2022 10:45 am
Operator :
Sample : 8260STD 0.4PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:14:45 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration
1,2,4-TRICHLOROBENZENE

Abundance on 180.00 (179.70 to 180.70): C22V21910.D



Original Int. Results

RT : 0.00
Area : 0
Amount: 0

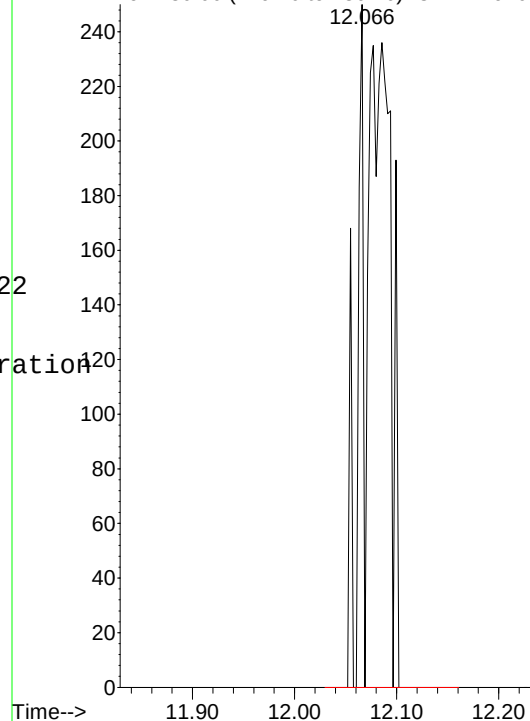
Manual Int. Results

Mon Aug 08 12:14:37 2022

MIuser: EEH
Reason: Incoret Integration
RT : 12.07
Area : 450
Amount: 0.131131

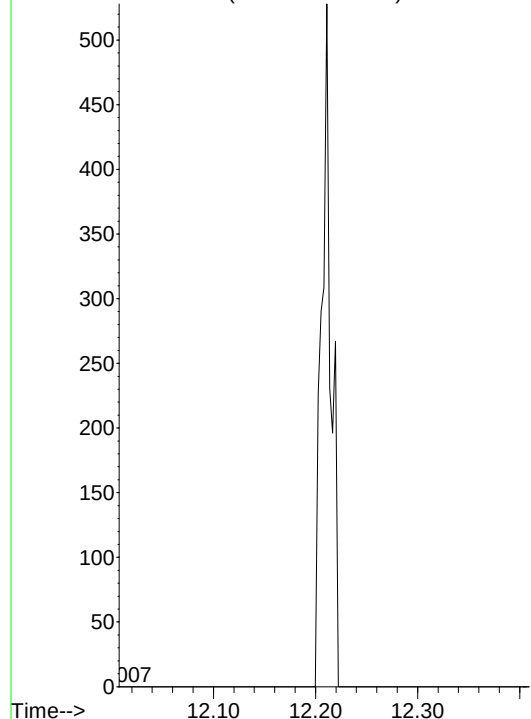
Manual Integration
1,2,4-TRICHLOROBENZENE

Abundance on 180.00 (179.70 to 180.70): C22V21910.D



Original Integration
HEXACHLOROBUTADIENE

Abundance on 225.00 (224.70 to 225.70): C22V21910.D



Original Int. Results

RT : 0.00
Area : 0
Amount: 0

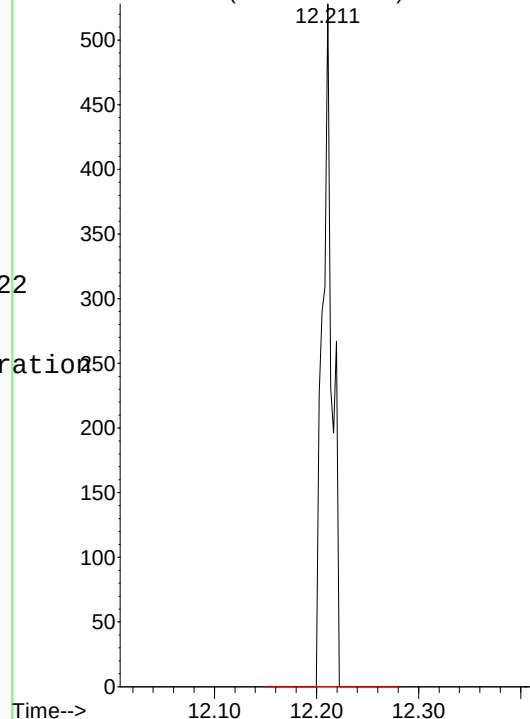
Manual Int. Results

Mon Aug 08 12:14:40 2022

MIuser: EEH
Reason: Incoret Integration
RT : 12.21
Area : 343
Amount: 0.262458

Manual Integration
HEXACHLOROBUTADIENE

Abundance on 225.00 (224.70 to 225.70): C22V21910.D



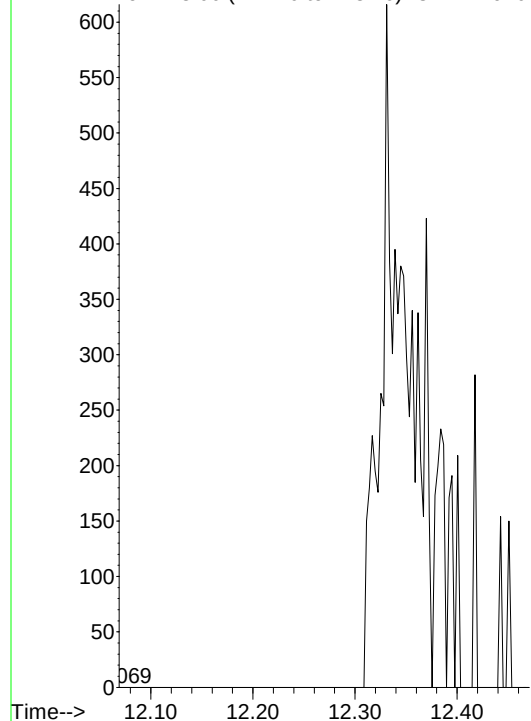
Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21910.D
Acq On : 8 Aug 2022 10:45 am
Operator :
Sample : 8260STD 0.4PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:14:45 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration

NAPHTHALENE

Abundance on 128.00 (127.70 to 128.70): C22V21910.D



Original Int. Results

RT : 0.00
Area : 0
Amount: 0

Manual Int. Results

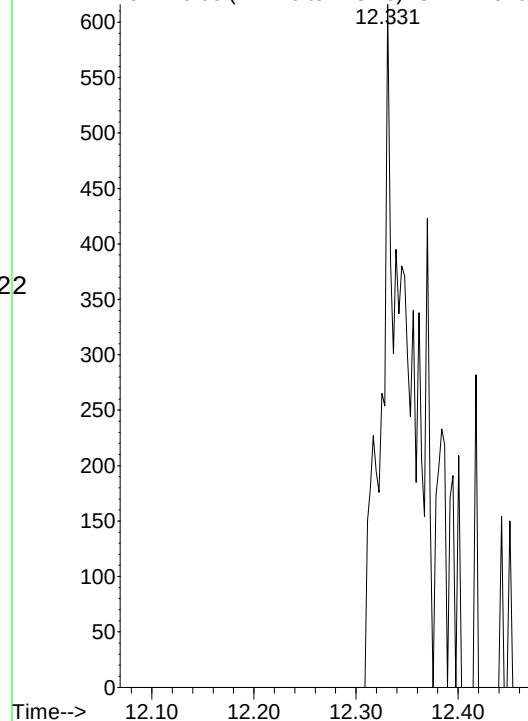
Mon Aug 08 12:14:43 2022

MIuser: EEH
Reason: Other
RT : 12.33
Area : 1432
Amount: 0.139595

Manual Integration

NAPHTHALENE

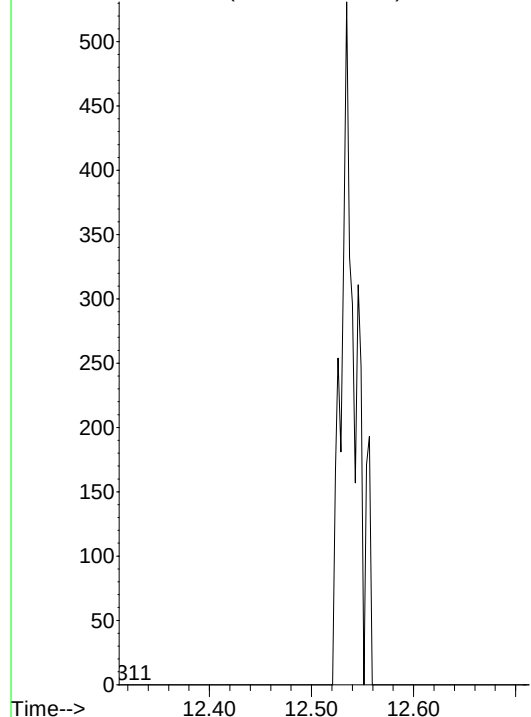
Abundance on 128.00 (127.70 to 128.70): C22V21910.D



Original Integration

1,2,3-TRICHLOROBENZENE

Abundance on 180.00 (179.70 to 180.70): C22V21910.D



Original Int. Results

RT : 0.00
Area : 0
Amount: 0

Manual Int. Results

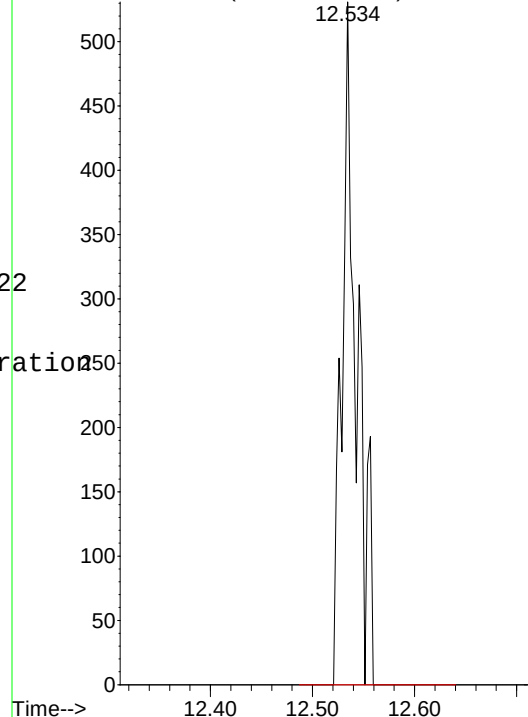
Mon Aug 08 12:14:45 2022

MIuser: EEH
Reason: Incorrect Integration
RT : 12.53
Area : 532
Amount: 0.156079

Manual Integration

1,2,3-TRICHLOROBENZENE

Abundance on 180.00 (179.70 to 180.70): C22V21910.D



Data Path : C:\msdchem\1\data\C080822\
 Data File : C22V21911.D
 Acq On : 8 Aug 2022 11:09 am
 Operator :
 Sample : 8260STD 0.5PPB 2206105
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Inst : GCMSVOA3

Quant Time: Aug 08 12:17:29 2022
 Quant Method : C:\msdchem\1\methods\C051619.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Mon Aug 08 11:15:01 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	4.194	168	193591	30.00	UG/L	0.00
48) 1,4-DIFLUOROBENZENE - ...	4.916	114	284959	30.00	UG/L	0.00
70) CHLOROBENZENE-D5 ISTD	7.752	82	139363	30.00	UG/L	0.00
89) 1,4-DICHLOROBENZENE-D4...	10.047	152	134791	30.00	UG/L	# 0.00
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.467	65	91408	25.10	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	100.40%	
49) TOLUENE SS	6.352	98	281602	24.78	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	99.12%	
71) 4-BROMOFLUOROBENZENE SS	8.909	95	103051	24.93	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	99.72%	
Target Compounds						
						Qvalue
3) DICHLORODIFLUOROMETHANE	1.087	85	1080	0.34	UG/L	# 43
4) DIFLUOROCHLOROMETHANE	1.093	51	1615	0.43	UG/L	# 100
5) CHLOROMETHANE	1.196	50	2636	0.63	UG/L	# 31
6) VINYL CHLORIDE	1.263	62	1381	0.41	UG/L	# 33
7) BROMOMETHANE	1.455	94	1549	0.84	UG/L	97
8) CHLOROETHANE	1.522	64	1108m	0.60	UG/L	
9) FLUORODICHLOROMETHANE	1.636	67	2311	0.45	UG/L	98
10) TRICHLOROFLUOROMETHANE	1.678	101	1606	0.43	UG/L	91
12) DI ETHYL ETHER	1.868	59	934	0.39	UG/L	92
13) ACROLEIN	1.957	56	2478	3.11	UG/L	92
14) ACETONE	2.066	43	5960	4.91	UG/L	98
15) 1,1-DICHLOROETHENE	2.030	61	1856	0.50	UG/L	91
16) 1,1,2-TRICL-1,2,2-TRIF...	2.024	101	911	0.44	UG/L	# 3
17) IODOMETHANE	2.141	142	10406	3.39	UG/L	99
20) METHYL ACETATE	2.325	43	2205	0.59	UG/L	# 64
21) T-BUTYL ALCOHOL	2.504	59	1955	4.19	UG/L	# 53
22) ACRYLONITRILE	2.626	53	559	0.35	UG/L	# 10
23) METHYLENE CHLORIDE	2.398	49	1893	0.48	UG/L	98
24) CARBON DISULFIDE	2.194	76	33803	4.68	UG/L	98
25) METHYL TERT-BUTYL ETHE...	2.640	73	4099	0.48	UG/L	# 50
26) TRANS 1,2-DICHLOROETHENE	2.632	61	1890	0.49	UG/L	92
27) 1,1-DICHLOROETHANE	3.047	63	2356m	0.45	UG/L	
28) VINYL ACETATE	3.117	43	33238	3.33	UG/L	99
29) DI ISOPROYL ETHER	3.134	45	4335	0.39	UG/L	# 52
31) 2-BUTANONE	3.692	43	6325	2.90	UG/L	# 98
32) T-BUTYL ETHYL ETHER	3.505	59	3792m	0.40	UG/L	
33) CIS-1,2-DICHLOROETHENE	3.641	61	1809	0.40	UG/L	# 69
34) 2,2-DICHLOROPROPANE	3.633	77	1715	0.44	UG/L	# 47
35) ETHYL ACETATE	3.773	43	2120m	0.48	UG/L	
38) BROMOCHLOROMETHANE	3.887	49	1046	0.39	UG/L	93
39) TETRAHYDROFURAN	3.957	42	308m	0.24	UG/L	
40) CHLOROFORM	3.979	83	2108	0.44	UG/L	97
41) 1,1,1-TRICHLOROETHANE	4.141	97	1777	0.46	UG/L	# 44
42) CYCLOHEXANE	4.191	56	5137	1.13	UG/L	# 43
43) CARBON TETRACHLORIDE	4.308	117	1323m	0.41	UG/L	
44) 1,1-DICHLOROPROPENE	4.314	75	1282	0.36	UG/L	# 39
45) BENZENE	4.514	78	4790	0.43	UG/L	# 87
47) T-AMYL METHYL ETHER	4.657	73	3440	0.41	UG/L	# 89
50) 1,2-DICHLOROETHANE	4.548	62	1668	0.43	UG/L	# 74
51) TRICHLOROETHENE	5.161	95	1003	0.40	UG/L	# 71
52) METHYLCYCLOHEXANE	5.343	83	1100	0.32	UG/L	# 60
53) 1,2-DICHLOROPROPANE	5.393	63	1156m	0.38	UG/L	
54) DIBROMOMETHANE	5.499	93	780	0.42	UG/L	# 83

Data Path : C:\msdchem\1\data\C080822\
 Data File : C22V21911.D
 Acq On : 8 Aug 2022 11:09 am
 Operator :
 Sample : 8260STD 0.5PPB 2206105
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Inst : GCMSVOA3

Quant Time: Aug 08 12:17:29 2022
 Quant Method : C:\msdchem\1\methods\C051619.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Mon Aug 08 11:15:01 2022
 Response via : Initial Calibration

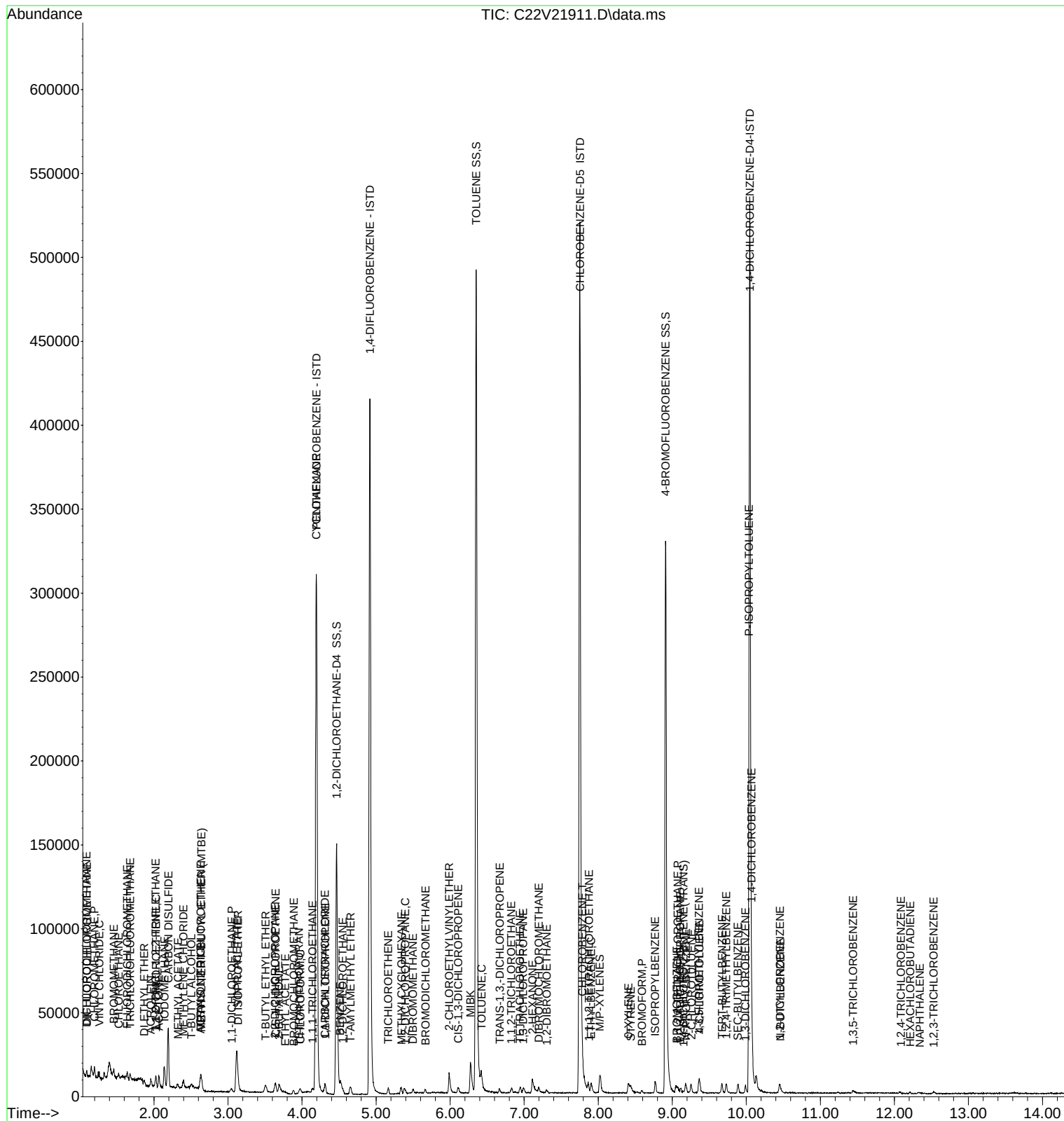
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
57) BROMODICHLOROMETHANE	5.666	83	1427	0.40	UG/L #	72
58) 2-CHLOROETHYL VINYLETH	5.984	63	4889m	3.33	UG/L	
59) MIBK	6.274	43	16105m	3.64	UG/L	
60) CIS-1,3-DICHLOROPROPENE	6.109	75	1759	0.38	UG/L #	51
61) TOLUENE	6.425	91	4999	0.45	UG/L	97
62) TRANS-1,3,-DICHLOROPRO...	6.670	75	1506	0.36	UG/L #	48
64) 1,1,2-TRICHLOROETHANE	6.823	97	968	0.37	UG/L #	15
65) 2-HEXANONE	7.111	43	10150m	3.20	UG/L	
66) TETRACHLOROETHENE	6.943	166	1038	0.41	UG/L #	69
67) 1,3-DICHLOROPROPANE	6.985	76	1894	0.39	UG/L #	43
68) DIBROMOCHLOROMETHANE	7.197	129	1242	0.42	UG/L	98
69) 1,2-DIBROMOETHANE	7.303	107	949	0.33	UG/L	89
72) CHLOROBENZENE	7.785	112	3019	0.44	UG/L #	87
73) 1,1,1,2-TETRACHLOROETHANE	7.875	131	1083	0.44	UG/L #	59
74) ETHYLBENZENE	7.902	91	4578	0.39	UG/L	94
75) M/P-XYLENES	8.020	91	7493	0.84	UG/L	98
76) O-XYLENE	8.407	91	3769	0.41	UG/L	98
77) STYRENE	8.441	104	3065m	0.41	UG/L	
78) BROMOFORM	8.591	173	743	0.34	UG/L #	36
79) ISOPROPYLBENZENE	8.767	105	4324	0.40	UG/L #	72
81) 1,1,2,2-TETRACHLOROETHANE	9.074	83	1590m	0.39	UG/L	
82) 1,4-DICHLORO-2-BUTENE(...	9.152	53	320m	0.31	UG/L	
83) BROMOBENZENE	9.060	77	2122	0.43	UG/L #	79
84) 1,2,3-TRICHLOROPROPANE	9.107	75	1858m	0.55	UG/L	
85) N-PROPYLBENZENE	9.185	91	4819	0.38	UG/L	97
86) 2-CHLOROTOLUENE	9.258	91	3574	0.45	UG/L	89
87) 1,3,5-TRIMETHYLBENZENE	9.361	105	3543	0.40	UG/L #	62
88) 4-CHLOROTOLUENE	9.367	91	3327	0.37	UG/L	97
90) TERT-BUTYLBENZENE	9.673	119	2967	0.41	UG/L	88
91) 1,2,4-TRIMETHYLBENZENE	9.729	105	3726	0.41	UG/L	93
92) SEC-BUTYLBENZENE	9.885	105	3802	0.37	UG/L	92
93) 1,3-DICHLOROBENZENE	9.988	146	2154	0.40	UG/L #	75
94) P-ISOPROPYLTOLUENE	10.036	119	3396	0.38	UG/L #	76
95) 1,4-DICHLOROBENZENE	10.069	146	2449	0.43	UG/L #	70
97) N-BUTYLBENZENE	10.460	91	2413m	0.30	UG/L	
98) 1,2-DICHLOROBENZENE	10.454	146	2164	0.40	UG/L #	90
100) 1,3,5-TRICHLOROBENZENE	11.441	180	986m	0.27	UG/L	
101) 1,2,4-TRICHLOROBENZENE	12.088	180	644m	0.19	UG/L	
102) HEXACHLOROBUTADIENE	12.214	225	392m	0.30	UG/L	
103) NAPHTHALENE	12.342	128	2023m	0.20	UG/L	
104) 1,2,3-TRICHLOROBENZENE	12.532	180	743m	0.22	UG/L	

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

259

Inst : GCMSV0A3

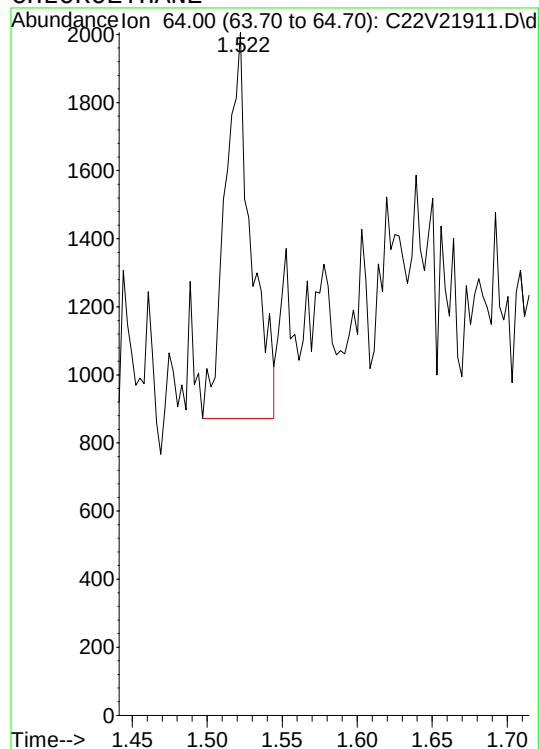
Quant Time: Aug 08 12:17:29 2022



Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21911.D
Acq On : 8 Aug 2022 11:09 am
Operator :
Sample : 8260STD 0.5PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:17:29 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration
CHLOROETHANE



Original Int. Results

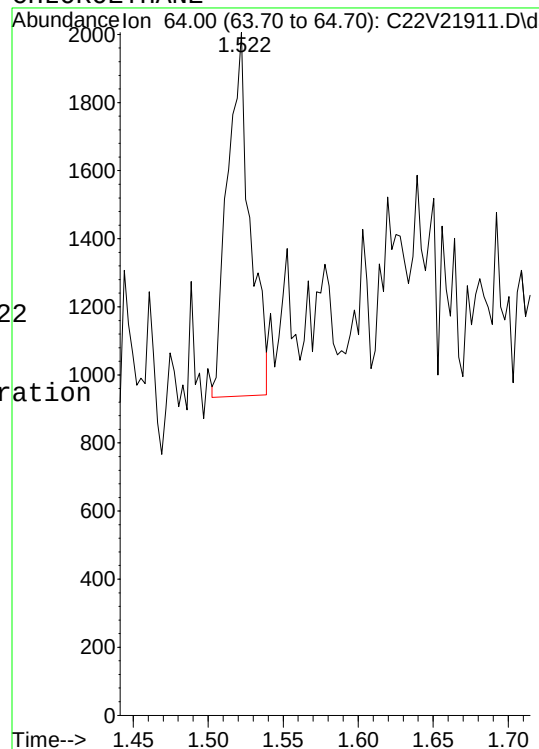
RT : 1.52
Area : 1367
Amount: 0.735156

Manual Int. Results

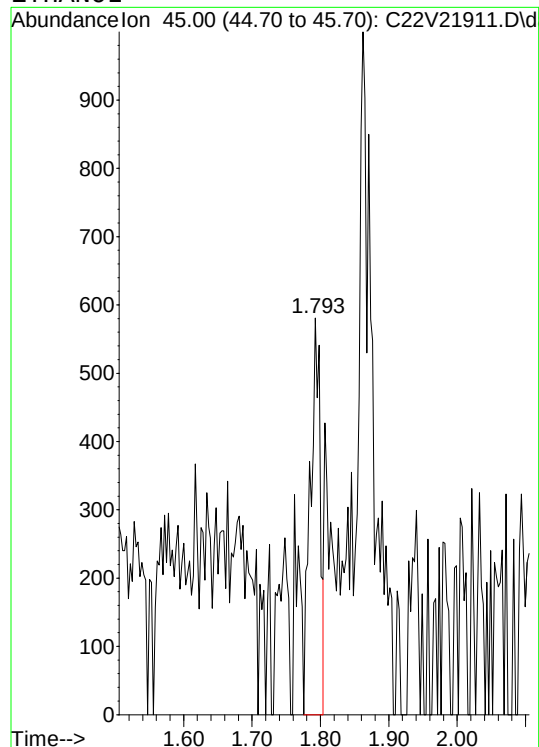
Mon Aug 08 12:15:24 2022

MIuser: EEH
Reason: Incoret Integration
RT : 1.52
Area : 1108
Amount: 0.595869

Manual Integration
CHLOROETHANE



Original Integration
ETHANOL



Original Int. Results

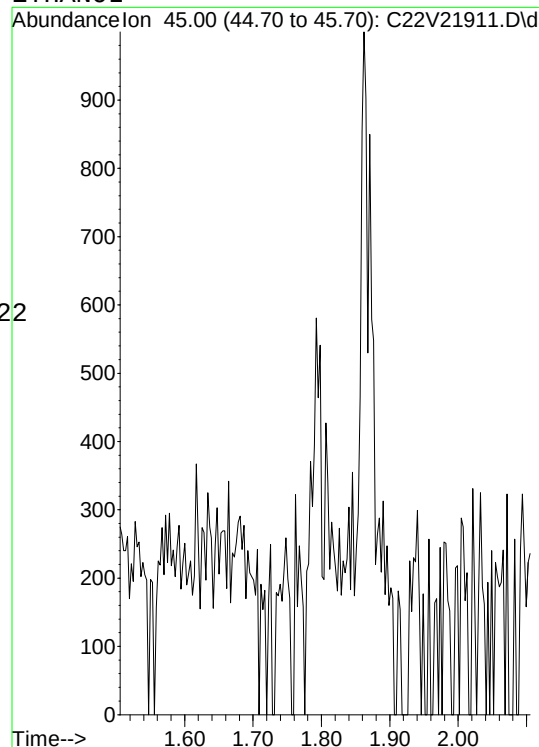
RT : 1.79
Area : 584
Amount: 8.85115

Manual Int. Results

Mon Aug 08 12:15:32 2022

MIuser: EEH
Reason: Split Peak
RT : 0.00
Area : 0
Amount: 0

Manual Integration
ETHANOL



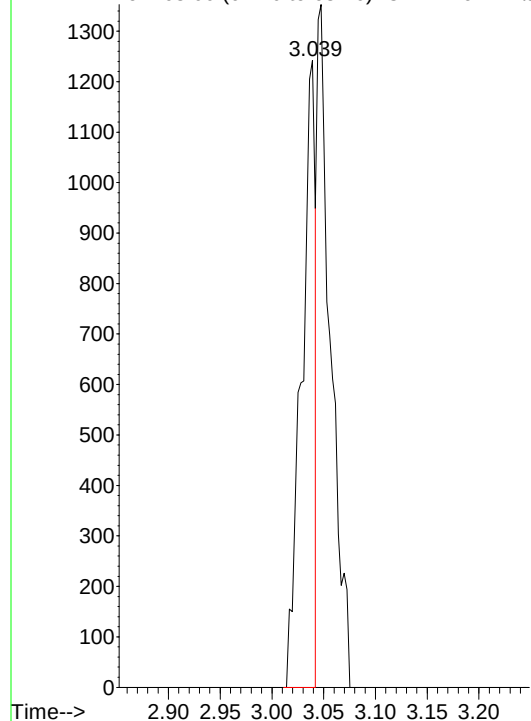
Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21911.D
Acq On : 8 Aug 2022 11:09 am
Operator :
Sample : 8260STD 0.5PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:17:29 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration

1,1-DICHLOROETHANE

Abundance on 63.00 (62.70 to 63.70): C22V21911.D



Original Int. Results

RT : 3.04
Area : 1132
Amount: 0.217899

Manual Int. Results

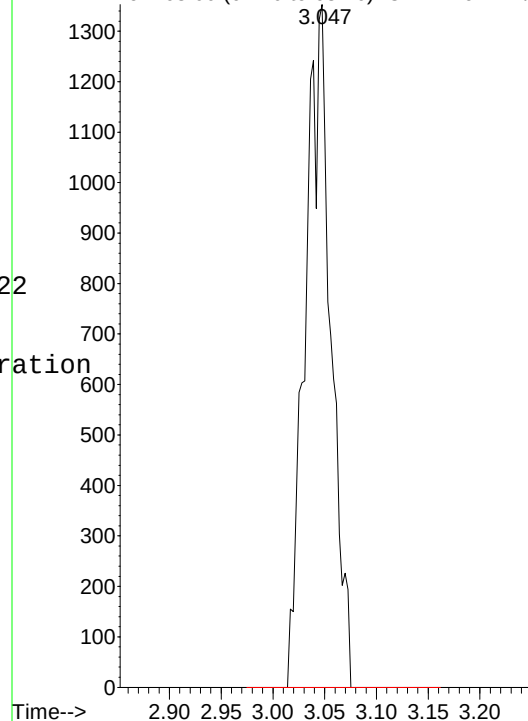
Mon Aug 08 12:15:43 2022

MIuser: EEH
Reason: Incoret Integration
RT : 3.05
Area : 2356
Amount: 0.453508

Manual Integration

1,1-DICHLOROETHANE

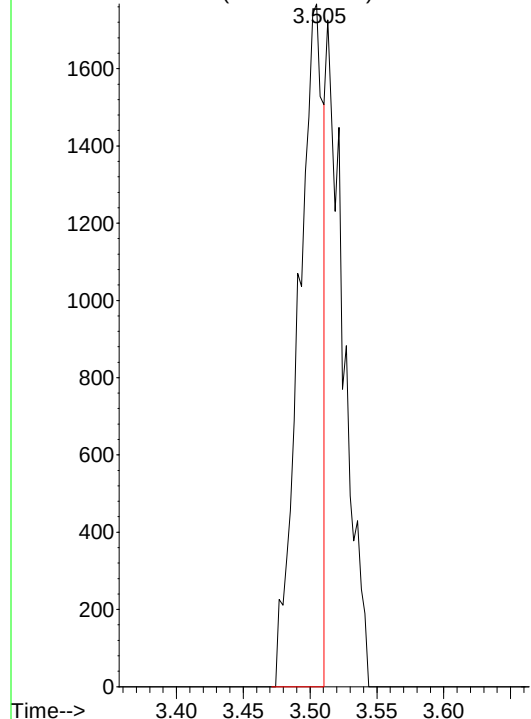
Abundance on 63.00 (62.70 to 63.70): C22V21911.D



Original Integration

T-BUTYL ETHYL ETHER

Abundance on 59.10 (58.80 to 59.80): C22V21911.D



Original Int. Results

RT : 3.50
Area : 2237
Amount: 0.238858

Manual Int. Results

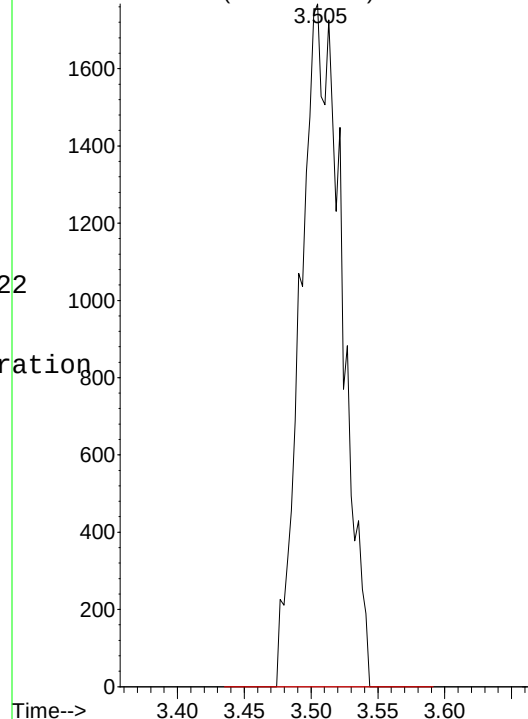
Mon Aug 08 12:15:48 2022

MIuser: EEH
Reason: Incoret Integration
RT : 3.50
Area : 3792
Amount: 0.404895

Manual Integration

T-BUTYL ETHYL ETHER

Abundance on 59.10 (58.80 to 59.80): C22V21911.D

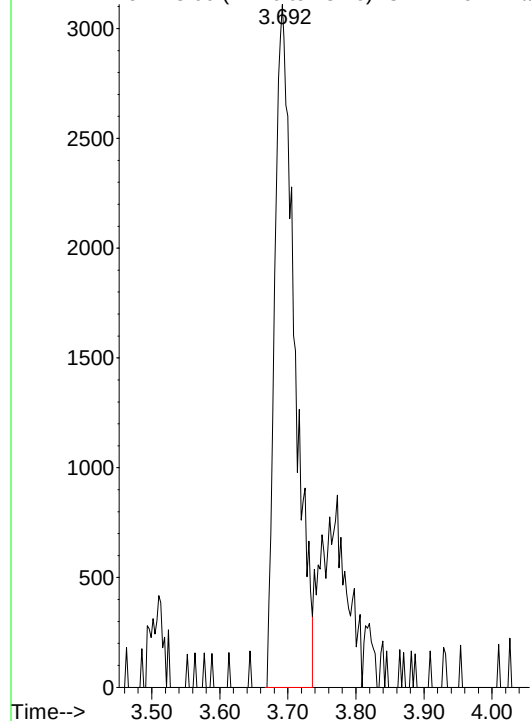


Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21911.D
Acq On : 8 Aug 2022 11:09 am
Operator :
Sample : 8260STD 0.5PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:17:29 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration
ETHYL ACETATE

Abundance Ion 43.00 (42.70 to 43.70): C22V21911.D



Original Int. Results

RT : 3.69
Area : 6325
Amount: 1.43597

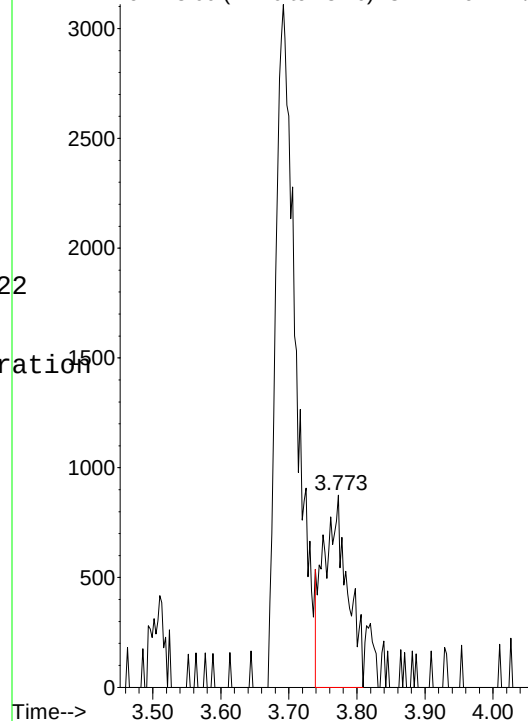
Manual Int. Results

Mon Aug 08 12:15:54 2022

MIuser: EEH
Reason: Incoret Integration
RT : 3.77
Area : 2120
Amount: 0.481306

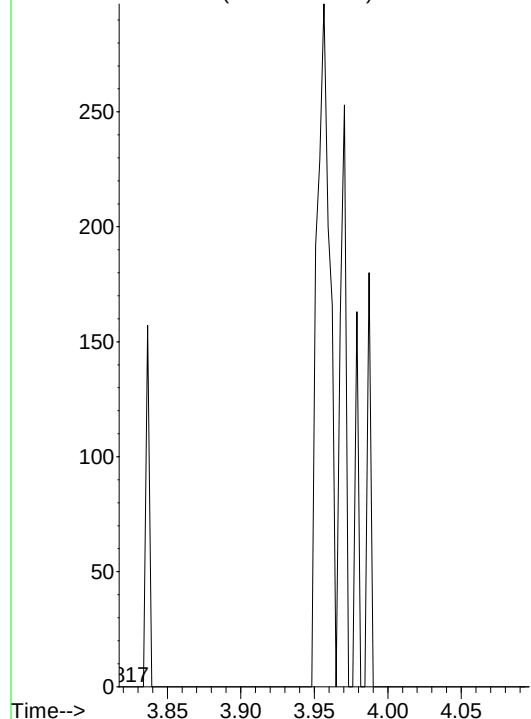
Manual Integration
ETHYL ACETATE

Abundance Ion 43.00 (42.70 to 43.70): C22V21911.D



Original Integration
TETRAHYDROFURAN

Abundance Ion 42.10 (41.80 to 42.80): C22V21911.D



Original Int. Results

RT : 0.00
Area : 0
Amount: 0

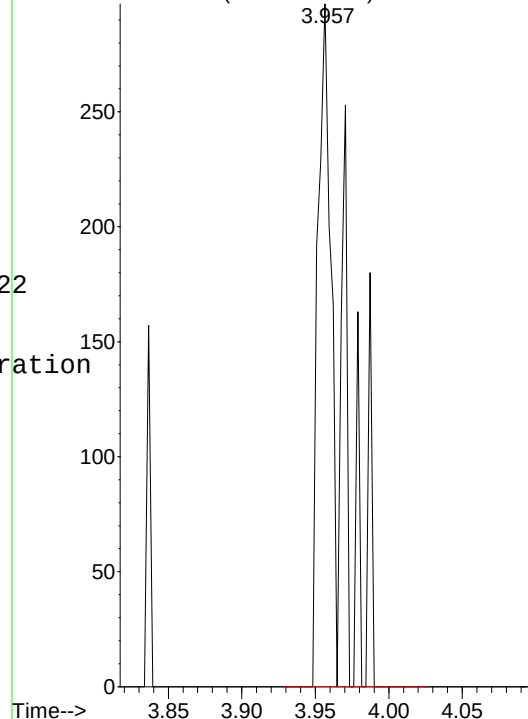
Manual Int. Results

Mon Aug 08 12:16:00 2022

MIuser: EEH
Reason: Incoret Integration
RT : 3.96
Area : 308
Amount: 0.236581

Manual Integration
TETRAHYDROFURAN

Abundance Ion 42.10 (41.80 to 42.80): C22V21911.D

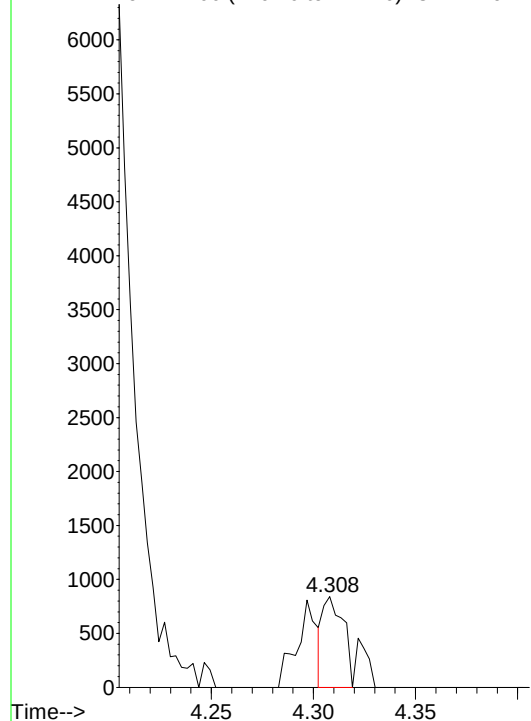


Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21911.D
Acq On : 8 Aug 2022 11:09 am
Operator :
Sample : 8260STD 0.5PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:17:29 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration
CARBON TETRACHLORIDE

Abundance on 117.00 (116.70 to 117.70): C22V21911.D



Original Int. Results

RT : 4.31
Area : 588
Amount: 0.182346

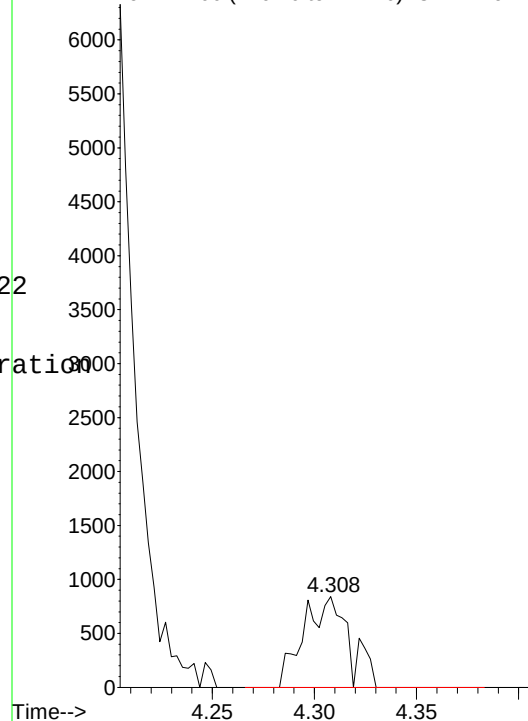
Manual Int. Results

Mon Aug 08 12:16:08 2022

MIuser: EEH
Reason: Incoret Integration
RT : 4.31
Area : 1323
Amount: 0.410278

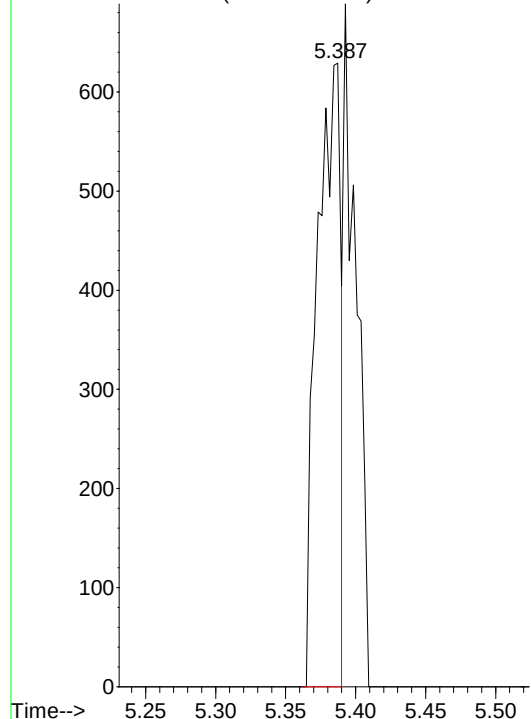
Manual Integration
CARBON TETRACHLORIDE

Abundance on 117.00 (116.70 to 117.70): C22V21911.D



Original Integration
1,2-DICHLOROPROPANE

Abundance on 63.00 (62.70 to 63.70): C22V21911.D



Original Int. Results

RT : 5.39
Area : 726
Amount: 0.24169

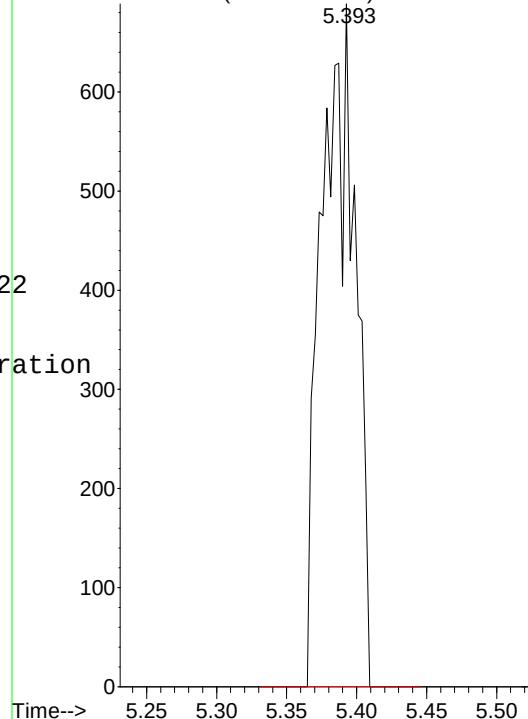
Manual Int. Results

Mon Aug 08 12:16:18 2022

MIuser: EEH
Reason: Incoret Integration
RT : 5.39
Area : 1156
Amount: 0.384839

Manual Integration
1,2-DICHLOROPROPANE

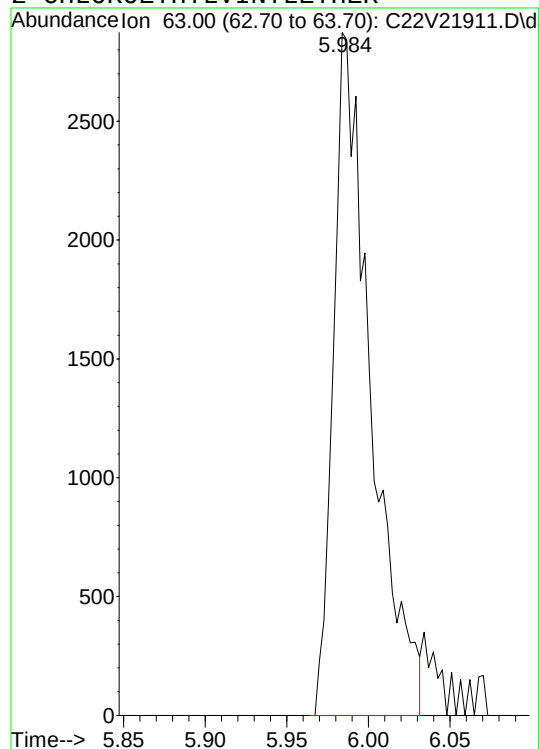
Abundance on 63.00 (62.70 to 63.70): C22V21911.D



Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21911.D
Acq On : 8 Aug 2022 11:09 am
Operator :
Sample : 8260STD 0.5PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:17:29 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration
2-CHLOROETHYLVINYLETHER



Original Int. Results

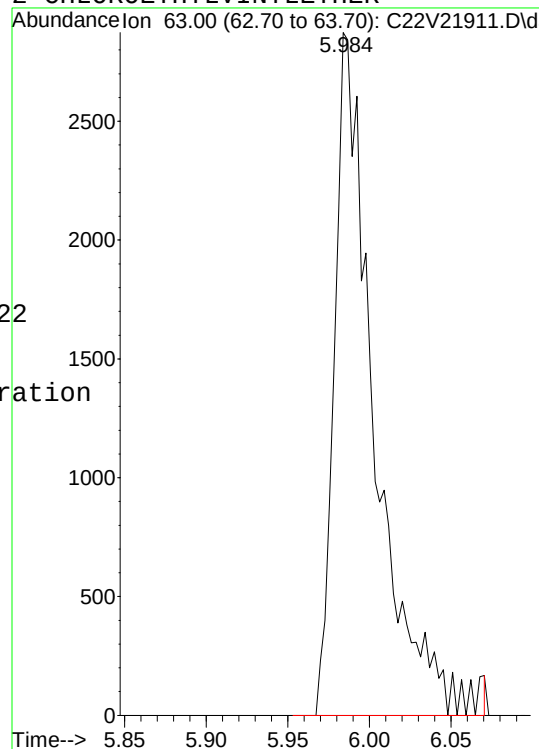
RT : 5.98
Area : 4559
Amount: 3.1074

Manual Int. Results

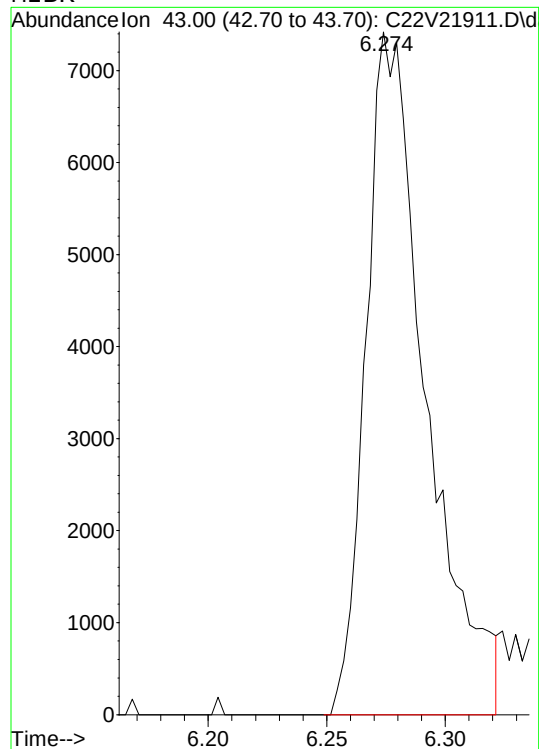
Mon Aug 08 12:16:28 2022

MIuser: EEH
Reason: Incoret Integration
RT : 5.98
Area : 4889
Amount: 3.33232

Manual Integration
2-CHLOROETHYLVINYLETHER



Original Integration
MIBK



Original Int. Results

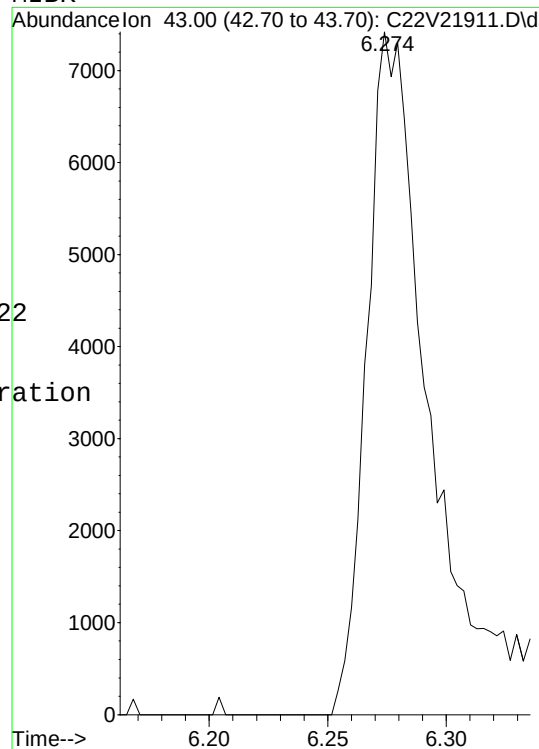
RT : 6.27
Area : 13001
Amount: 2.93969

Manual Int. Results

Mon Aug 08 12:16:31 2022

MIuser: EEH
Reason: Incoret Integration
RT : 6.27
Area : 16105
Amount: 3.64154

Manual Integration
MIBK

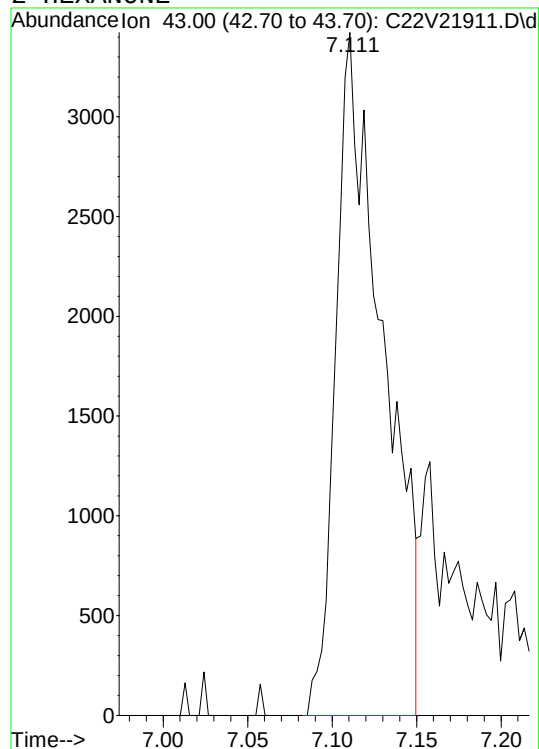


Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21911.D
Acq On : 8 Aug 2022 11:09 am
Operator :
Sample : 8260STD 0.5PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:17:29 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration

2-HEXANONE



Original Int. Results

RT : 7.11
Area : 6642
Amount: 2.09102

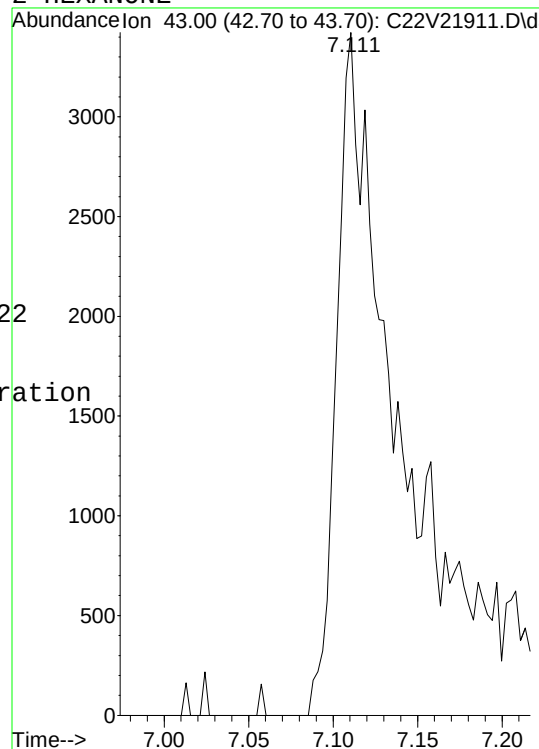
Manual Int. Results

Mon Aug 08 12:16:38 2022

MIuser: EEH
Reason: Incoret Integration
RT : 7.11
Area : 10150
Amount: 3.1954

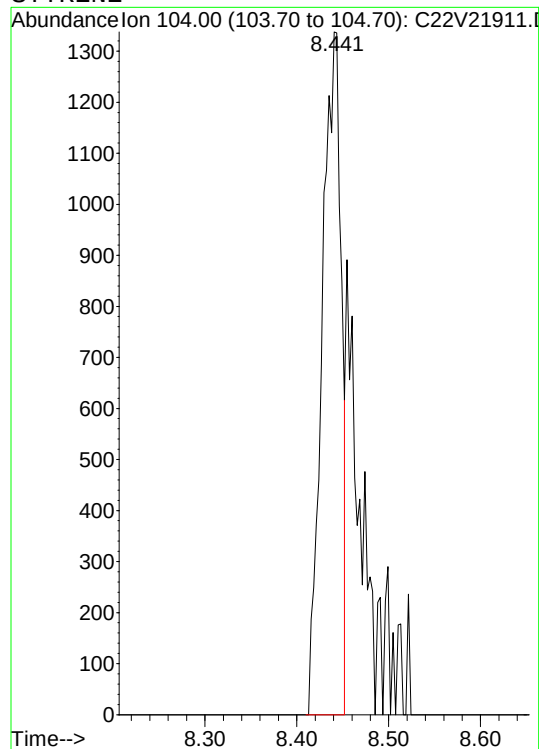
Manual Integration

2-HEXANONE



Original Integration

STYRENE



Original Int. Results

RT : 8.44
Area : 1930
Amount: 0.25909

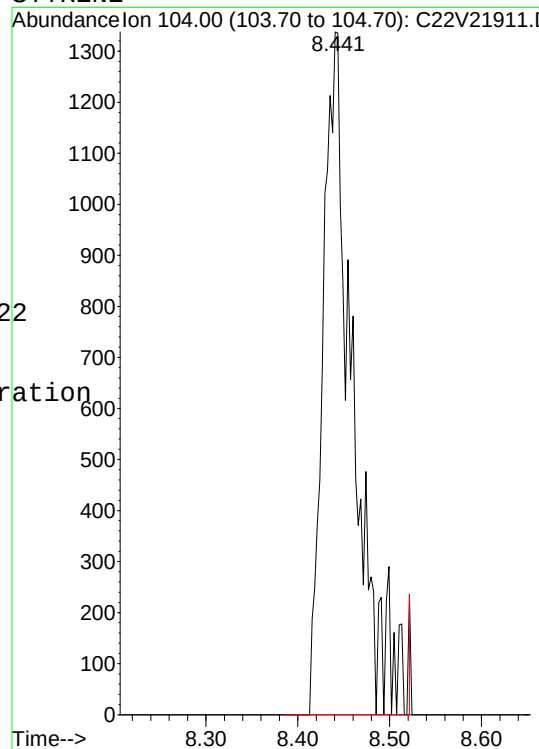
Manual Int. Results

Mon Aug 08 12:16:46 2022

MIuser: EEH
Reason: Incoret Integration
RT : 8.44
Area : 3065
Amount: 0.411457

Manual Integration

STYRENE

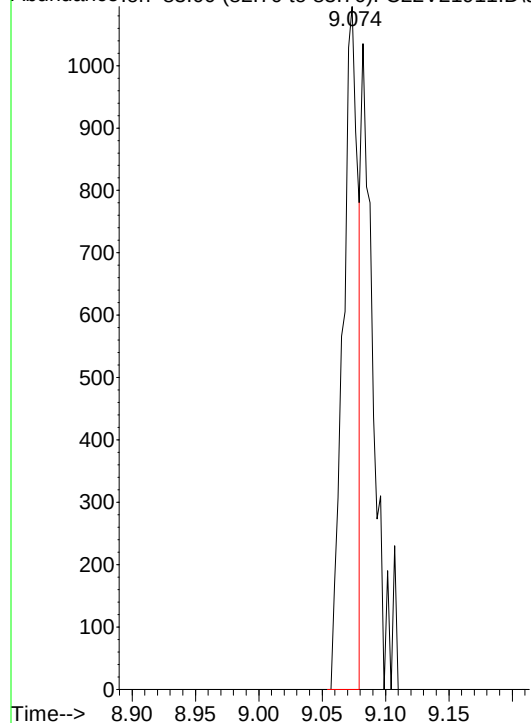


Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21911.D
Acq On : 8 Aug 2022 11:09 am
Operator :
Sample : 8260STD 0.5PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:17:29 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration
1,1,2,2-TETRACHLOROETHANE

Abundance Ion 83.00 (82.70 to 83.70): C22V21911.D



Original Int. Results

RT : 9.07
Area : 911
Amount: 0.223359

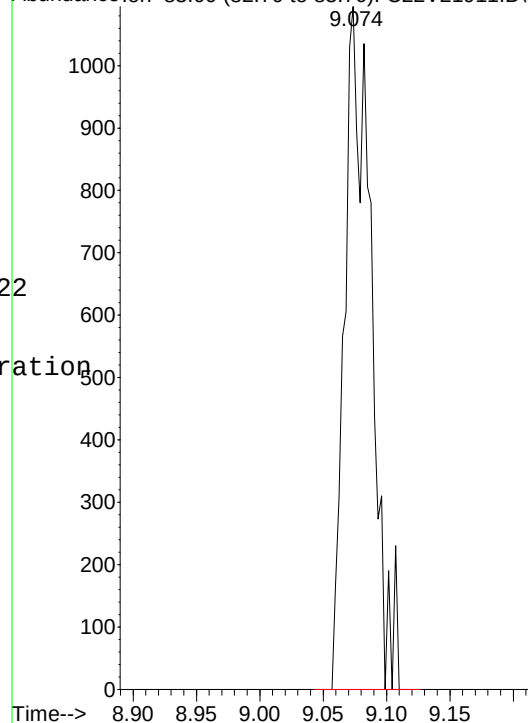
Manual Int. Results

Mon Aug 08 12:16:51 2022

MIuser: EEH
Reason: Incoret Integration
RT : 9.07
Area : 1590
Amount: 0.389836

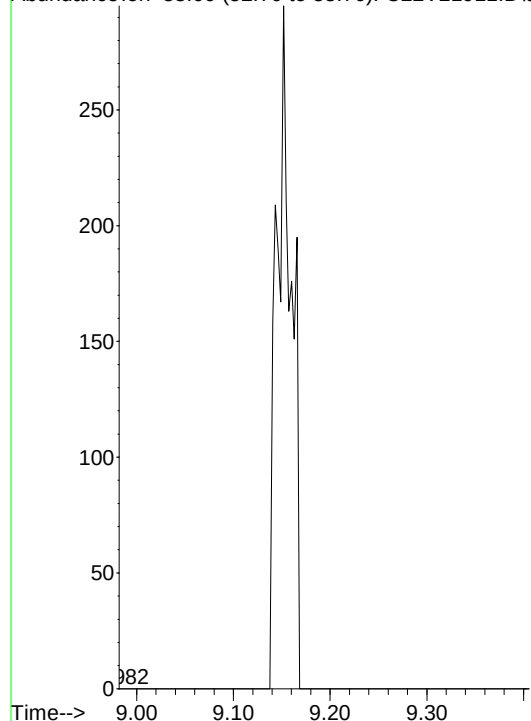
Manual Integration
1,1,2,2-TETRACHLOROETHANE

Abundance Ion 83.00 (82.70 to 83.70): C22V21911.D



Original Integration
1,4-DICHLORO-2-BUTENE (TRANS)

Abundance Ion 53.00 (52.70 to 53.70): C22V21911.D



Original Int. Results

RT : 0.00
Area : 0
Amount: 0

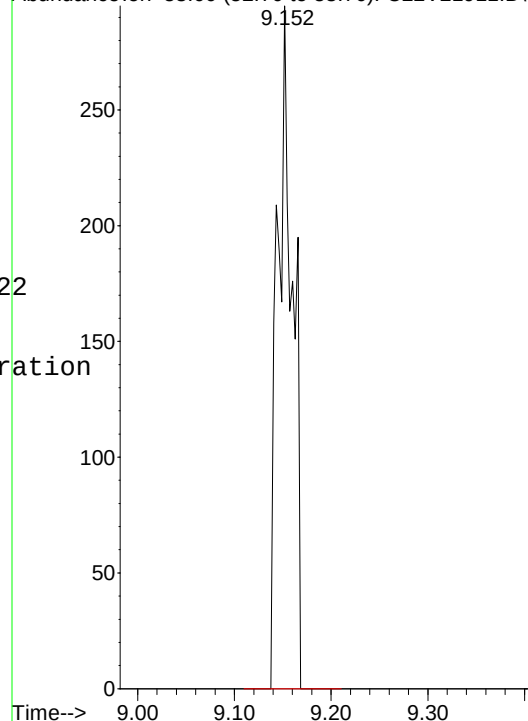
Manual Int. Results

Mon Aug 08 12:16:54 2022

MIuser: EEH
Reason: Incoret Integration
RT : 9.15
Area : 320
Amount: 0.310588

Manual Integration
1,4-DICHLORO-2-BUTENE (TRANS)

Abundance Ion 53.00 (52.70 to 53.70): C22V21911.D

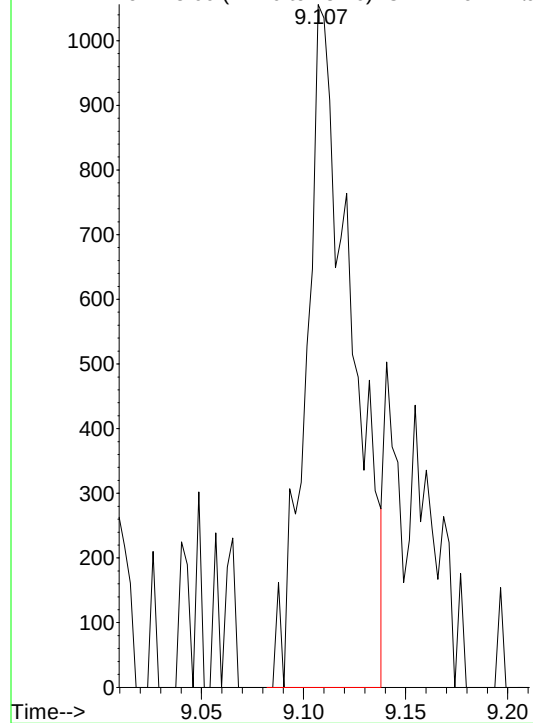


Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21911.D
Acq On : 8 Aug 2022 11:09 am
Operator :
Sample : 8260STD 0.5PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:17:29 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration
1,2,3-TRICHLOROPROPANE

Abundance on 75.00 (74.70 to 75.70): C22V21911.D



Original Int. Results

RT : 9.11
Area : 1627
Amount: 0.477466

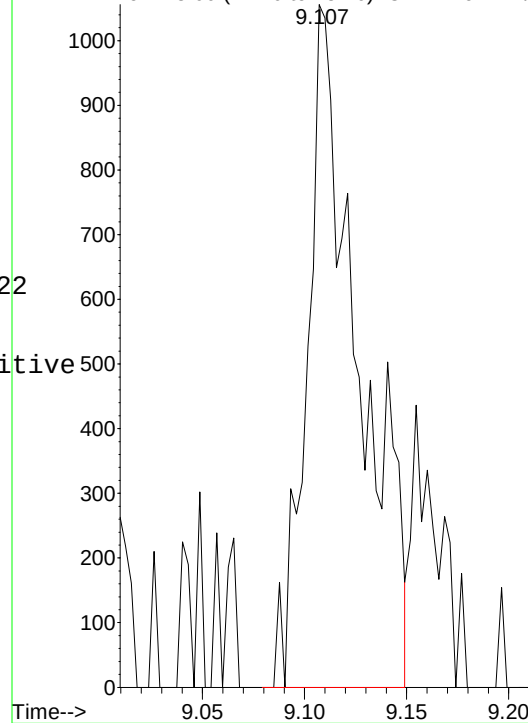
Manual Int. Results

Mon Aug 08 12:16:59 2022

MIuser: EEH
Reason: Qdel False Positive
RT : 9.11
Area : 1858
Amount: 0.545256

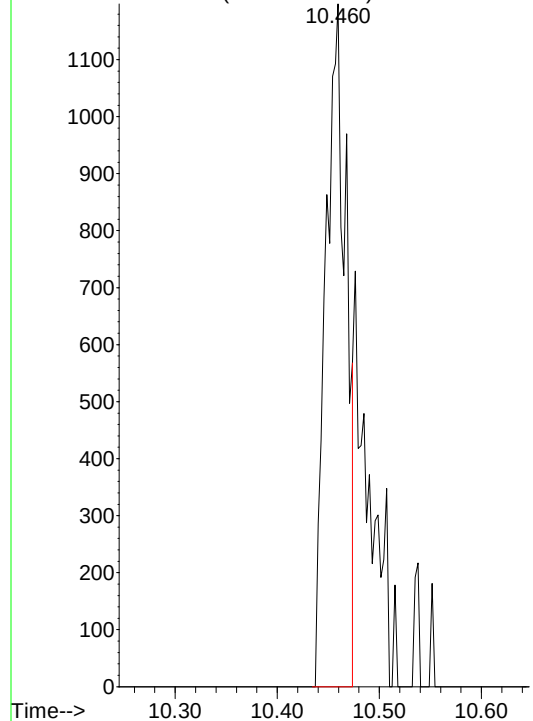
Manual Integration
1,2,3-TRICHLOROPROPANE

Abundance on 75.00 (74.70 to 75.70): C22V21911.D



Original Integration
N-BUTYLBENZENE

Abundance on 91.00 (90.70 to 91.70): C22V21911.D



Original Int. Results

RT : 10.46
Area : 1667
Amount: 0.209662

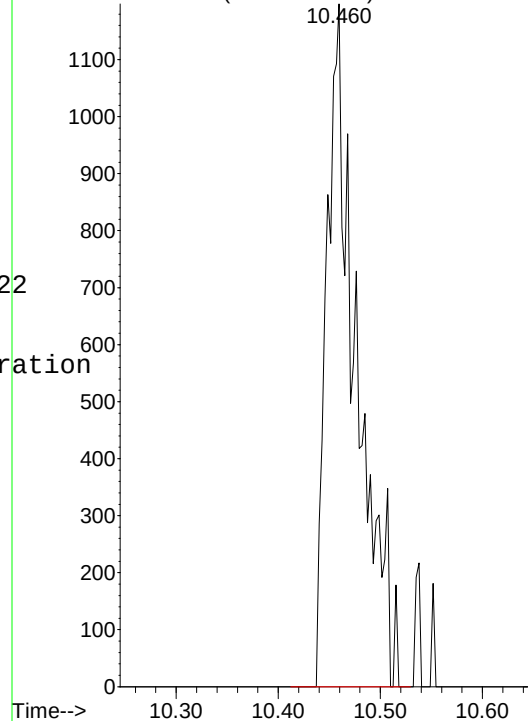
Manual Int. Results

Mon Aug 08 12:17:16 2022

MIuser: EEH
Reason: Incoret Integration
RT : 10.46
Area : 2413
Amount: 0.303488

Manual Integration
N-BUTYLBENZENE

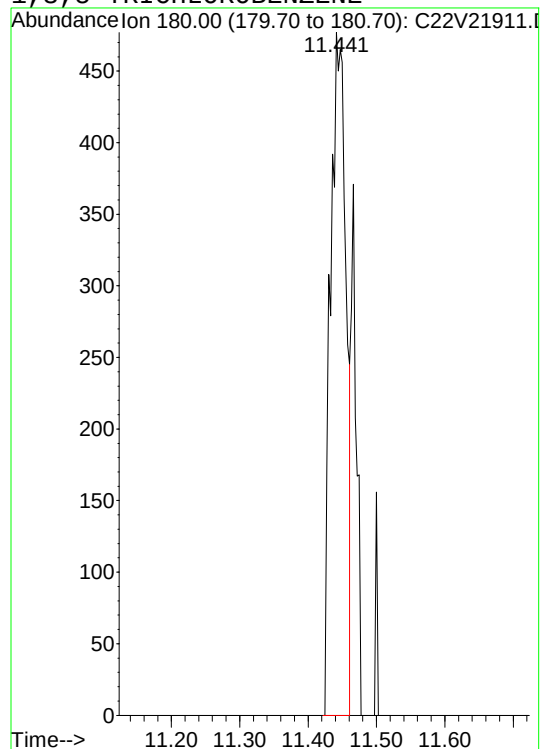
Abundance on 91.00 (90.70 to 91.70): C22V21911.D



Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21911.D
Acq On : 8 Aug 2022 11:09 am
Operator :
Sample : 8260STD 0.5PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:17:29 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration
1,3,5-TRICHLOROBENZENE



Original Int. Results

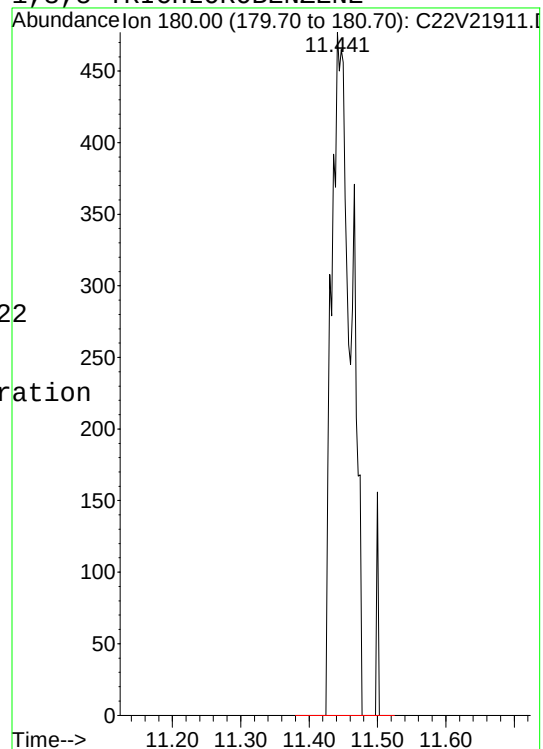
RT : 11.44
Area : 760
Amount: 0.207217

Manual Int. Results

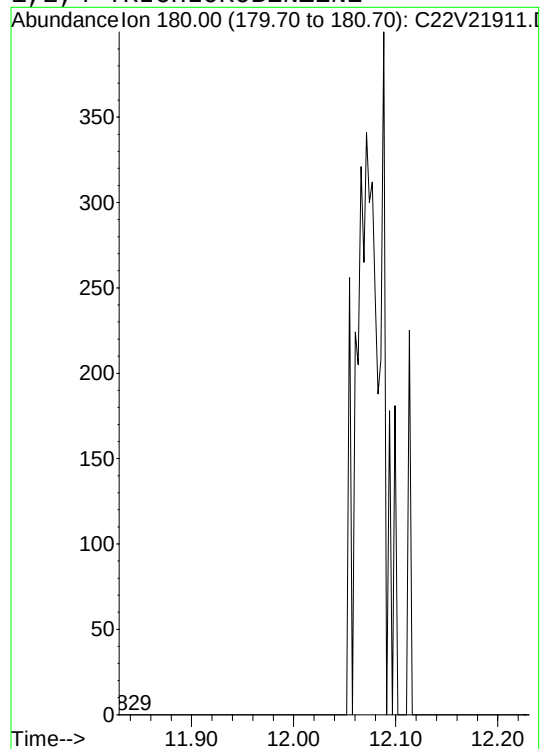
Mon Aug 08 12:17:20 2022

MIuser: EEH
Reason: Incoret Integration
RT : 11.44
Area : 986
Amount: 0.268837

Manual Integration
1,3,5-TRICHLOROBENZENE



Original Integration
1,2,4-TRICHLOROBENZENE



Original Int. Results

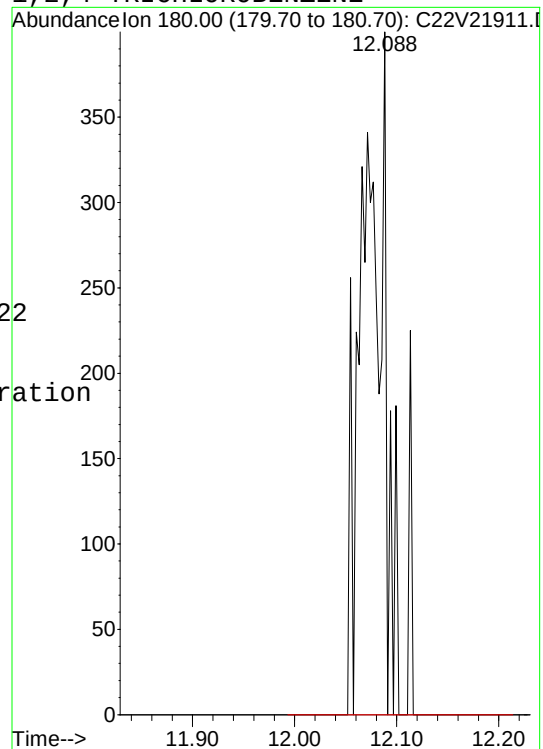
RT : 0.00
Area : 0
Amount: 0

Manual Int. Results

Mon Aug 08 12:17:22 2022

MIuser: EEH
Reason: Incoret Integration
RT : 12.09
Area : 644
Amount: 0.186415

Manual Integration
1,2,4-TRICHLOROBENZENE

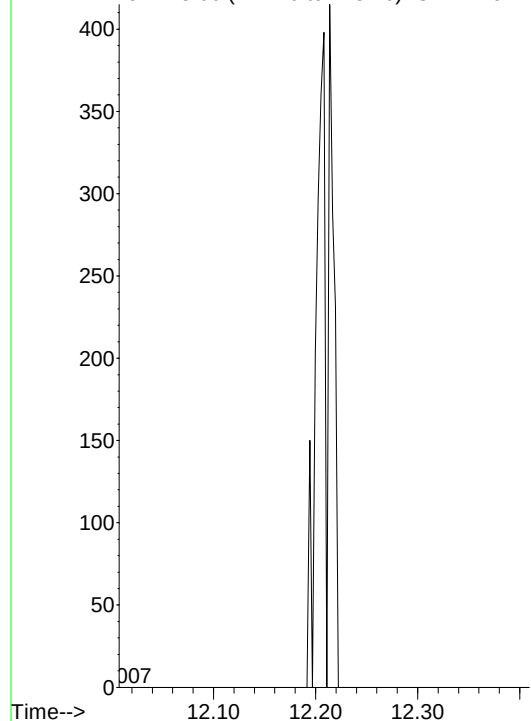


Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21911.D
Acq On : 8 Aug 2022 11:09 am
Operator :
Sample : 8260STD 0.5PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:17:29 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration
HEXACHLOROBUTADIENE

Abundance on 225.00 (224.70 to 225.70): C22V21911.D



Original Int. Results

RT : 0.00
Area : 0
Amount: 0

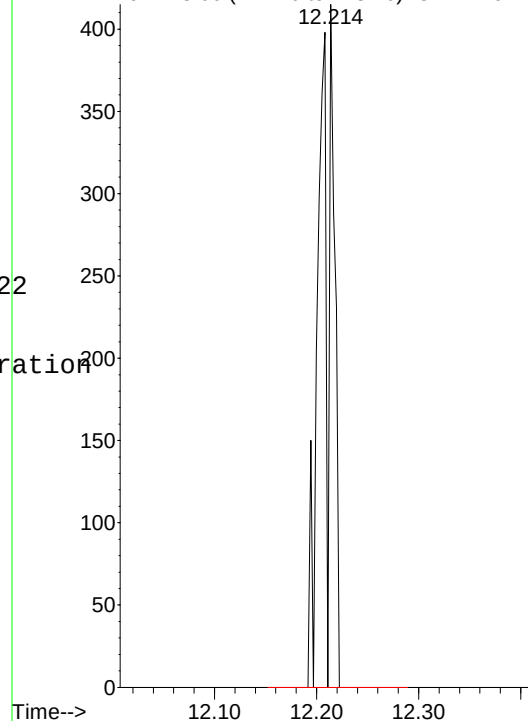
Manual Int. Results

Mon Aug 08 12:17:24 2022

MIuser: EEH
Reason: Incoret Integration
RT : 12.21
Area : 392
Amount: 0.297959

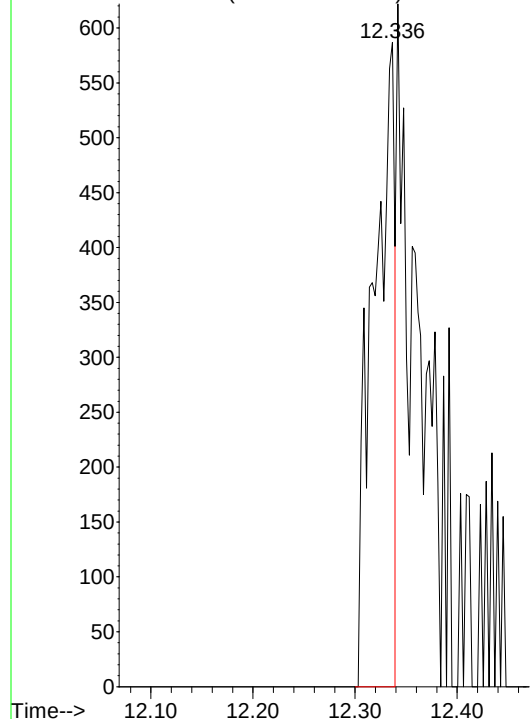
Manual Integration
HEXACHLOROBUTADIENE

Abundance on 225.00 (224.70 to 225.70): C22V21911.D



Original Integration
NAPHTHALENE

Abundance on 128.00 (127.70 to 128.70): C22V21911.D



Original Int. Results

RT : 12.34
Area : 841
Amount: 0.0814378

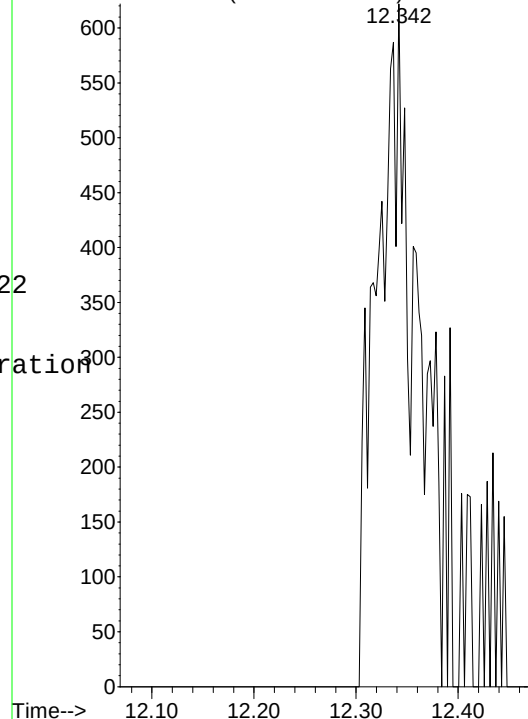
Manual Int. Results

Mon Aug 08 12:17:27 2022

MIuser: EEH
Reason: Incoret Integration
RT : 12.34
Area : 2023
Amount: 0.195896

Manual Integration
NAPHTHALENE

Abundance on 128.00 (127.70 to 128.70): C22V21911.D

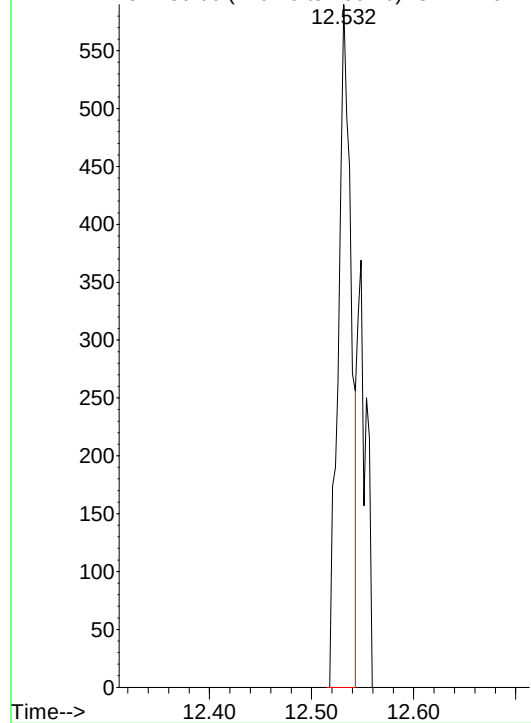


Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21911.D
Acq On : 8 Aug 2022 11:09 am
Operator :
Sample : 8260STD 0.5PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:17:29 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration
1,2,3-TRICHLOROBENZENE

Abundance Ion 180.00 (179.70 to 180.70): C22V21911.D



Original Int. Results

RT : 12.53
Area : 524
Amount: 0.15271

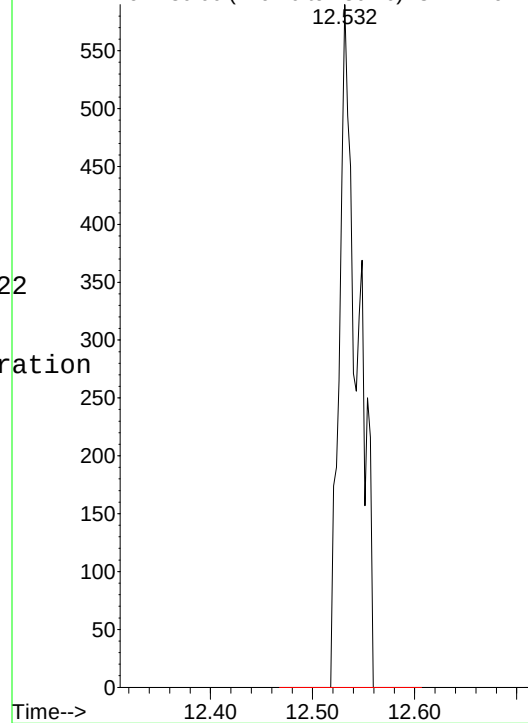
Manual Int. Results

Mon Aug 08 12:17:29 2022

MIuser: EEH
Reason: Incoret Integration
RT : 12.53
Area : 743
Amount: 0.216533

Manual Integration
1,2,3-TRICHLOROBENZENE

Abundance Ion 180.00 (179.70 to 180.70): C22V21911.D



Data Path : C:\msdchem\1\data\C080822\
 Data File : C22V21912.D
 Acq On : 8 Aug 2022 11:33 am
 Operator :
 Sample : 8260STD 1.0PPB 2206105
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Inst : GCMSVOA3

Quant Time: Aug 08 12:19:52 2022
 Quant Method : C:\msdchem\1\methods\C051619.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Mon Aug 08 11:15:01 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	4.194	168	192447	30.00	UG/L	0.00
48) 1,4-DIFLUOROBENZENE - ...	4.916	114	284819	30.00	UG/L	0.00
70) CHLOROBENZENE-D5 ISTD	7.749	82	138767	30.00	UG/L	0.00
89) 1,4-DICHLOROBENZENE-D4...	10.047	152	130928	30.00	UG/L	# 0.00
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.467	65	91212	25.20	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	100.80%	
49) TOLUENE SS	6.352	98	277384	24.42	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	97.68%	
71) 4-BROMOFLUOROBENZENE SS	8.909	95	100585	24.43	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	97.72%	
Target Compounds						
					Qvalue	
3) DICHLORODIFLUOROMETHANE	1.087	85	2878	0.92	UG/L	94
4) DIFLUOROCHLOROMETHANE	1.093	51	3405	0.91	UG/L	# 100
5) CHLOROMETHANE	1.196	50	5363	1.28	UG/L	# 32
6) VINYL CHLORIDE	1.263	62	3208	0.96	UG/L	# 29
7) BROMOMETHANE	1.455	94	2727m	1.49	UG/L	
8) CHLOROETHANE	1.516	64	2453m	1.33	UG/L	
9) FLUORODICHLOROMETHANE	1.636	67	5353	1.06	UG/L	98
10) TRICHLOROFLUOROMETHANE	1.678	101	3989	1.07	UG/L	100
11) ETHANOL	1.795	45	1338	20.40	UG/L	# 38
12) DI ETHYL ETHER	1.862	59	2406	1.01	UG/L	99
13) ACROLEIN	1.957	56	5428	6.85	UG/L	95
14) ACETONE	2.066	43	12127	10.05	UG/L	99
15) 1,1-DICHLOROETHENE	2.021	61	4121	1.11	UG/L	97
16) 1,1,2-TRICL-1,2,2-TRIF...	2.021	101	2519	1.23	UG/L	82
17) IODOMETHANE	2.141	142	24473	8.03	UG/L	98
20) METHYL ACETATE	2.320	43	4803	1.28	UG/L	# 94
21) T-BUTYL ALCOHOL	2.509	59	4346	9.36	UG/L	# 92
22) ACRYLONITRILE	2.615	53	1430	0.90	UG/L	# 59
23) METHYLENE CHLORIDE	2.398	49	4227	1.07	UG/L	100
24) CARBON DISULFIDE	2.191	76	77457	10.78	UG/L	100
25) METHYL TERT-BUTYL ETHE...	2.637	73	9066	1.08	UG/L	98
26) TRANS 1,2-DICHLOROETHENE	2.635	61	4062	1.05	UG/L	91
27) 1,1-DICHLOROETHANE	3.042	63	5014	0.97	UG/L	# 79
28) VINYL ACETATE	3.112	43	79237	7.99	UG/L	99
29) DI ISOPROYL ETHER	3.126	45	9583	0.86	UG/L	97
31) 2-BUTANONE	3.683	43	15358	7.09	UG/L	96
32) T-BUTYL ETHYL ETHER	3.502	59	8452m	0.91	UG/L	
33) CIS-1,2-DICHLOROETHENE	3.647	61	4216	0.94	UG/L	98
34) 2,2-DICHLOROPROPANE	3.630	77	3933m	1.02	UG/L	
35) ETHYL ACETATE	3.759	43	4664m	1.07	UG/L	
38) BROMOCHLOROMETHANE	3.881	49	2407	0.91	UG/L	98
39) TETRAHYDROFURAN	3.962	42	1017	0.79	UG/L	# 40
40) CHLOROFORM	3.976	83	4492	0.94	UG/L	100
41) 1,1,1-TRICHLOROETHANE	4.143	97	3891	1.02	UG/L	91
42) CYCLOHEXANE	4.194	56	7651	1.69	UG/L	# 64
43) CARBON TETRACHLORIDE	4.300	117	3278m	1.02	UG/L	
44) 1,1-DICHLOROPROPENE	4.313	75	3505	0.99	UG/L	# 90
45) BENZENE	4.523	78	10449	0.94	UG/L	# 1
47) T-AMYL METHYL ETHER	4.648	73	7921	0.96	UG/L	97
50) 1,2-DICHLOROETHANE	4.550	62	3854	0.99	UG/L	# 74
51) TRICHLOROETHENE	5.167	95	2543	1.01	UG/L	91
52) METHYLCYCLOHEXANE	5.334	83	3112m	0.91	UG/L	
53) 1,2-DICHLOROPROPANE	5.384	63	2629	0.88	UG/L	# 97

Data Path : C:\msdchem\1\data\C080822\
 Data File : C22V21912.D
 Acq On : 8 Aug 2022 11:33 am
 Operator :
 Sample : 8260STD 1.0PPB 2206105
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Inst : GCMSVOA3

Quant Time: Aug 08 12:19:52 2022
 Quant Method : C:\msdchem\1\methods\C051619.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Mon Aug 08 11:15:01 2022
 Response via : Initial Calibration

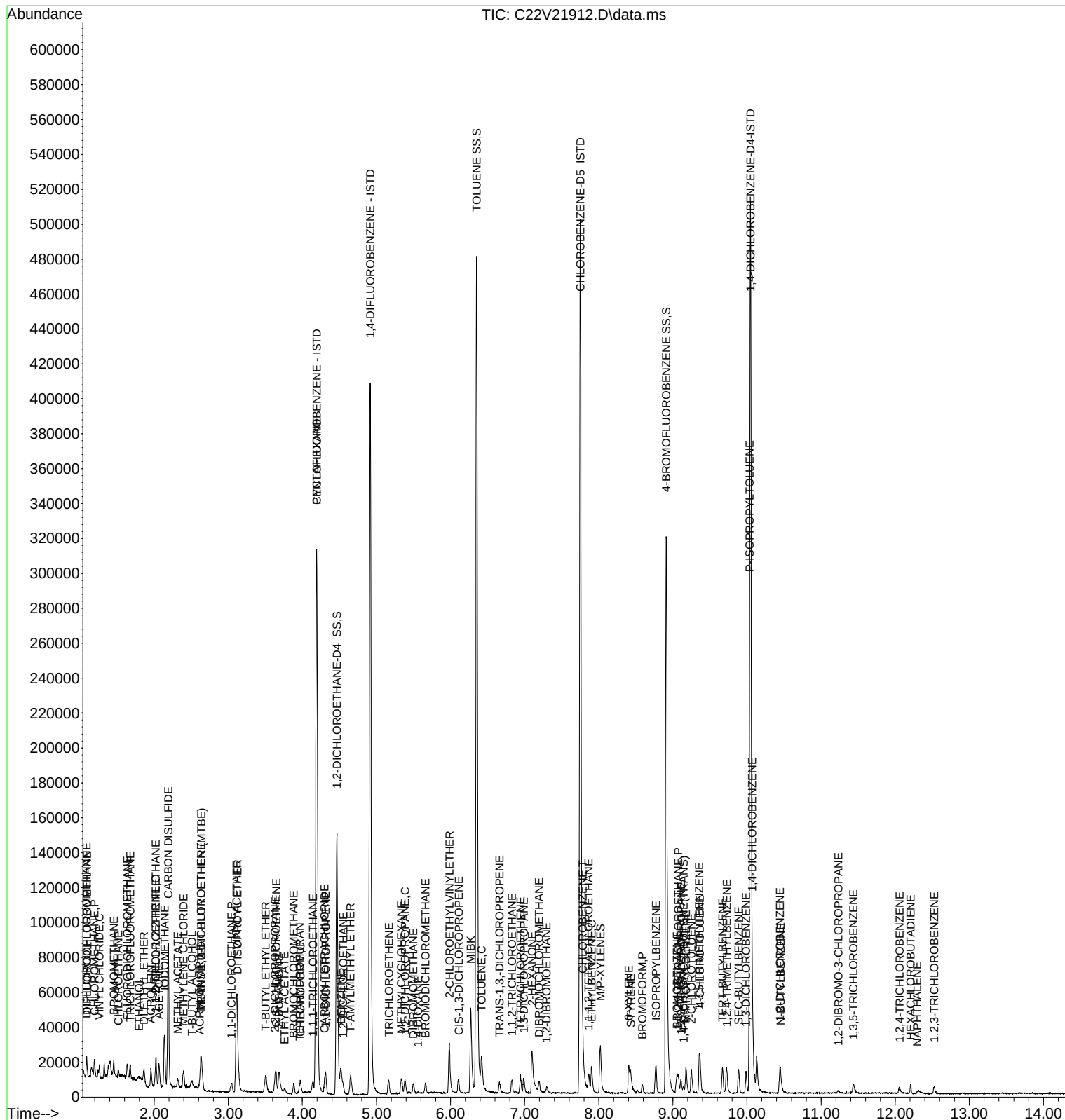
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
54) DIBROMOMETHANE	5.499	93	1756	0.94	UG/L	93
56) 1,4-DIOXANE	5.557	88	274m	6.23	UG/L	
57) BROMODICHLOROMETHANE	5.660	83	3644	1.02	UG/L #	87
58) 2-CHLOROETHYLVINYLETHER	5.984	63	11832m	8.07	UG/L	
59) MIBK	6.274	43	35205m	7.96	UG/L	
60) CIS-1,3-DICHLOROPROPENE	6.112	75	4317	0.94	UG/L	92
61) TOLUENE	6.419	91	10805	0.98	UG/L	92
62) TRANS-1,3,-DICHLOROPRO...	6.659	75	3461	0.84	UG/L	90
64) 1,1,2-TRICHLOROETHANE	6.826	97	2495	0.96	UG/L #	82
65) 2-HEXANONE	7.099	43	23827m	7.50	UG/L	
66) TETRACHLOROETHENE	6.946	166	2487	0.98	UG/L	97
67) 1,3-DICHLOROPROPANE	6.988	76	4334	0.90	UG/L	96
68) DIBROMOCHLOROMETHANE	7.194	129	2922	0.98	UG/L	90
69) 1,2-DIBROMOETHANE	7.292	107	2605m	0.90	UG/L	
72) CHLOROBENZENE	7.783	112	6843	1.00	UG/L	94
73) 1,1,1,2-TETRACHLOROETHANE	7.861	131	2623	1.07	UG/L #	64
74) ETHYLBENZENE	7.902	91	10954	0.93	UG/L	95
75) M/P-XYLENES	8.022	91	16880	1.89	UG/L	98
76) O-XYLENE	8.404	91	9049	0.98	UG/L	94
77) STYRENE	8.432	104	6817	0.92	UG/L	93
78) BROMOFORM	8.586	173	2112	0.98	UG/L #	69
79) ISOPROPYLBENZENE	8.772	105	10121	0.95	UG/L	97
81) 1,1,2,2-TETRACHLOROETHANE	9.074	83	3798	0.94	UG/L #	89
82) 1,4-DICHLORO-2-BUTENE(...	9.146	53	847m	0.83	UG/L	
83) BROMOBENZENE	9.054	77	4767m	0.97	UG/L	
84) 1,2,3-TRICHLOROPROPANE	9.110	75	3907m	1.15	UG/L	
85) N-PROPYLBENZENE	9.177	91	11568	0.92	UG/L	96
86) 2-CHLOROTOLUENE	9.249	91	7139	0.90	UG/L	98
87) 1,3,5-TRIMETHYLBENZENE	9.355	105	8348	0.94	UG/L	95
88) 4-CHLOROTOLUENE	9.364	91	8952	0.99	UG/L	92
90) TERT-BUTYLBENZENE	9.670	119	7013	0.99	UG/L	98
91) 1,2,4-TRIMETHYLBENZENE	9.729	105	8498	0.95	UG/L	98
92) SEC-BUTYLBENZENE	9.888	105	9490	0.95	UG/L	94
93) 1,3-DICHLOROBENZENE	9.988	146	4968	0.96	UG/L	97
94) P-ISOPROPYLTOLUENE	10.036	119	7798	0.91	UG/L	96
95) 1,4-DICHLOROBENZENE	10.069	146	5771	1.05	UG/L #	92
97) N-BUTYLBENZENE	10.454	91	5365	0.69	UG/L #	46
98) 1,2-DICHLOROBENZENE	10.443	146	4704	0.90	UG/L	93
99) 1,2-DIBROMO-3-CHLOROPR...	11.232	75	579m	0.81	UG/L	
100) 1,3,5-TRICHLOROBENZENE	11.436	180	2944m	0.83	UG/L	
101) 1,2,4-TRICHLOROBENZENE	12.057	180	2026m	0.60	UG/L	
102) HEXACHLOROBUTADIENE	12.205	225	987m	0.77	UG/L	
103) NAPHTHALENE	12.297	128	5327m	0.53	UG/L	
104) 1,2,3-TRICHLOROBENZENE	12.526	180	2110m	0.63	UG/L	

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

273

Inst : GCMSV0A3

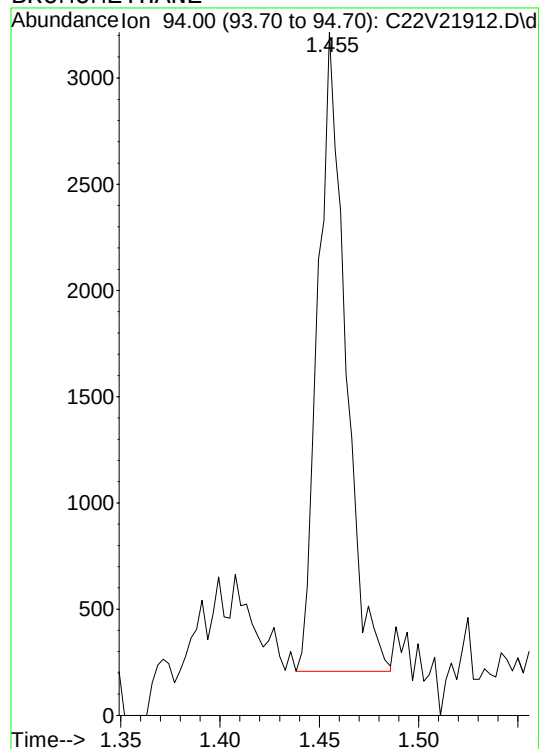
Quant Time: Aug 08 12:19:52 2022



Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21912.D
Acq On : 8 Aug 2022 11:33 am
Operator :
Sample : 8260STD 1.0PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:19:52 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration
BROMOMETHANE



Original Int. Results

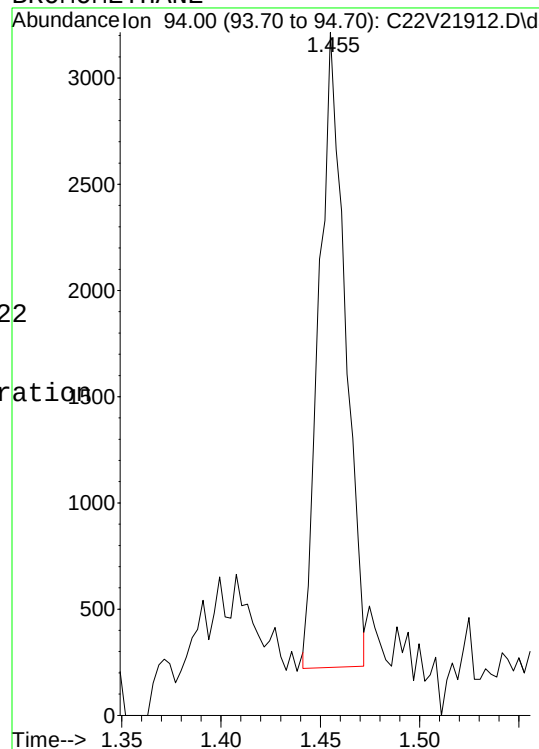
RT : 1.46
Area : 2897
Amount: 1.58617

Manual Int. Results

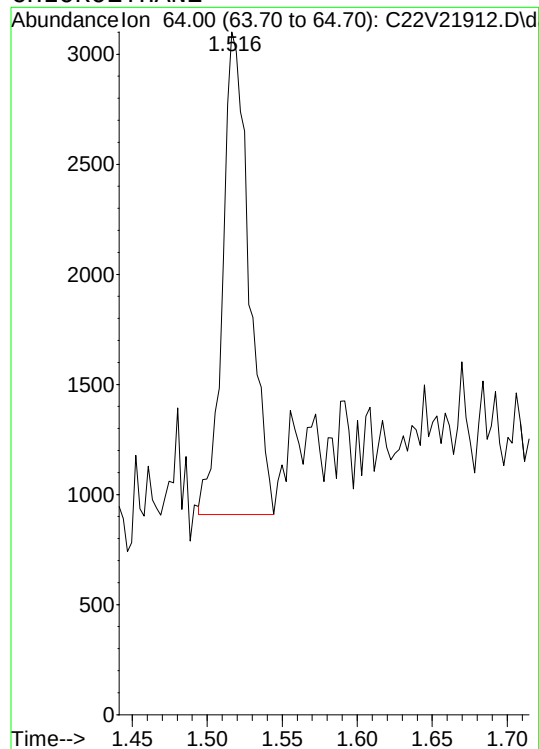
Mon Aug 08 12:17:52 2022

MIuser: EEH
Reason: Incoret Integration
RT : 1.46
Area : 2727
Amount: 1.49309

Manual Integration
BROMOMETHANE



Original Integration
CHLOROETHANE



Original Int. Results

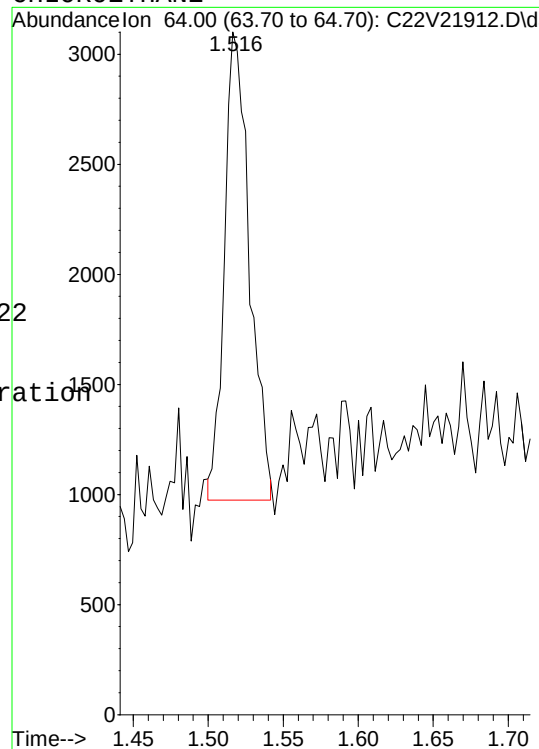
RT : 1.52
Area : 2673
Amount: 1.44605

Manual Int. Results

Mon Aug 08 12:17:58 2022

MIuser: EEH
Reason: Incoret Integration
RT : 1.52
Area : 2453
Amount: 1.32704

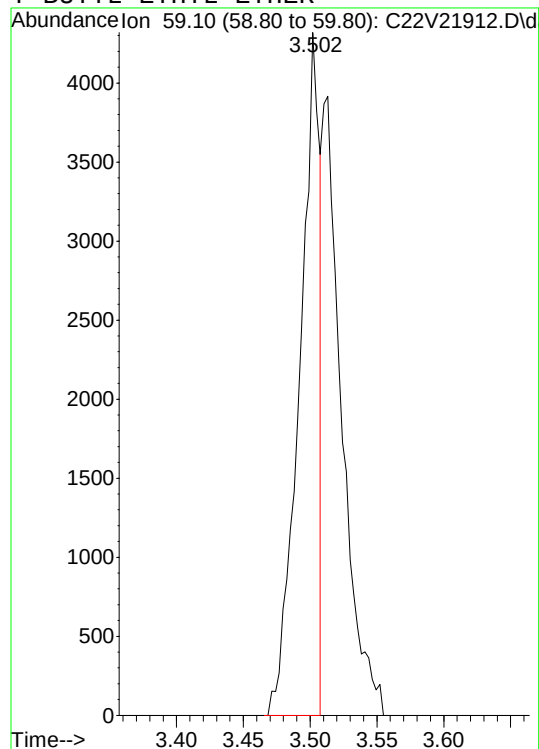
Manual Integration
CHLOROETHANE



Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21912.D
Acq On : 8 Aug 2022 11:33 am
Operator :
Sample : 8260STD 1.0PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:19:52 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration
T-BUTYL ETHYL ETHER



Original Int. Results

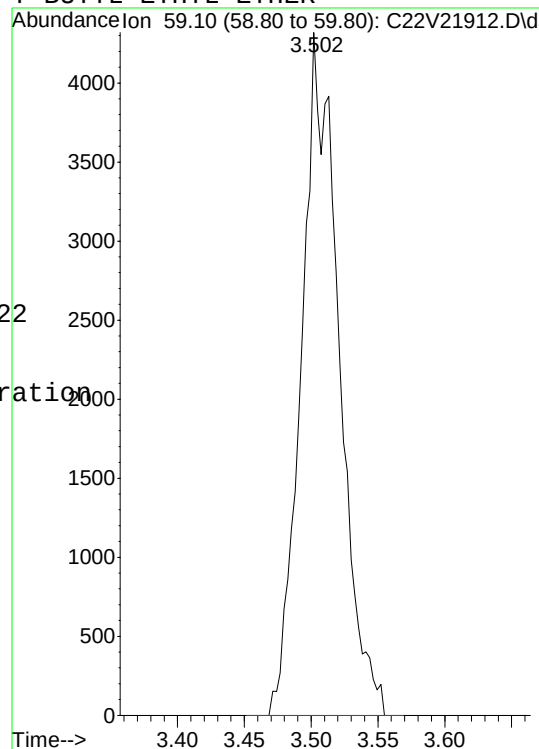
RT : 3.50
Area : 4542
Amount: 0.48786

Manual Int. Results

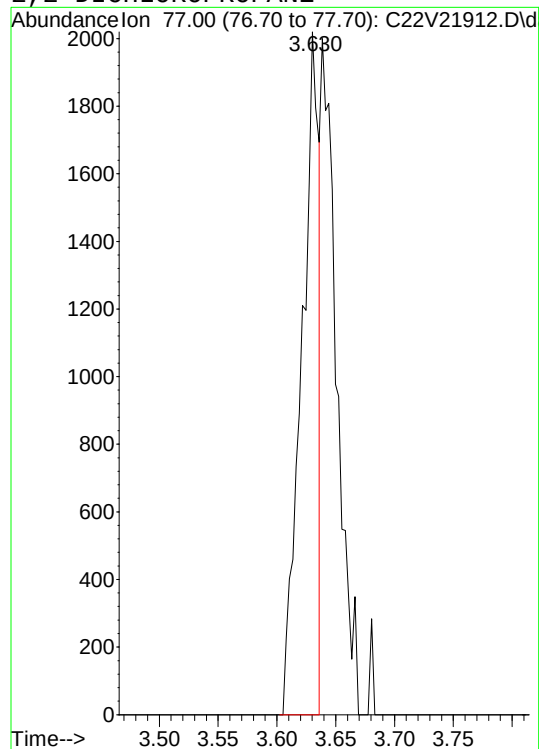
Mon Aug 08 12:18:17 2022

MIuser: EEH
Reason: Incoret Integration
RT : 3.50
Area : 8452
Amount: 0.907836

Manual Integration
T-BUTYL ETHYL ETHER



Original Integration
2,2-DICHLOROPROPANE



Original Int. Results

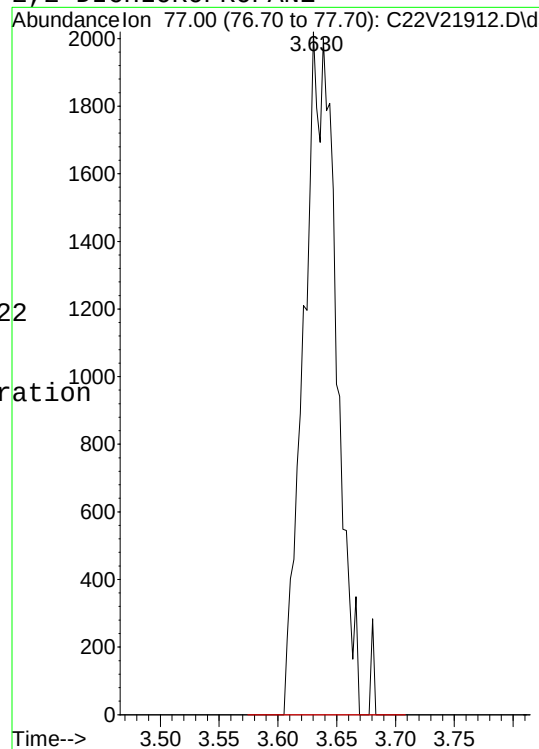
RT : 3.63
Area : 2041
Amount: 0.527574

Manual Int. Results

Mon Aug 08 12:18:20 2022

MIuser: EEH
Reason: Incoret Integration
RT : 3.63
Area : 3933
Amount: 1.01663

Manual Integration
2,2-DICHLOROPROPANE

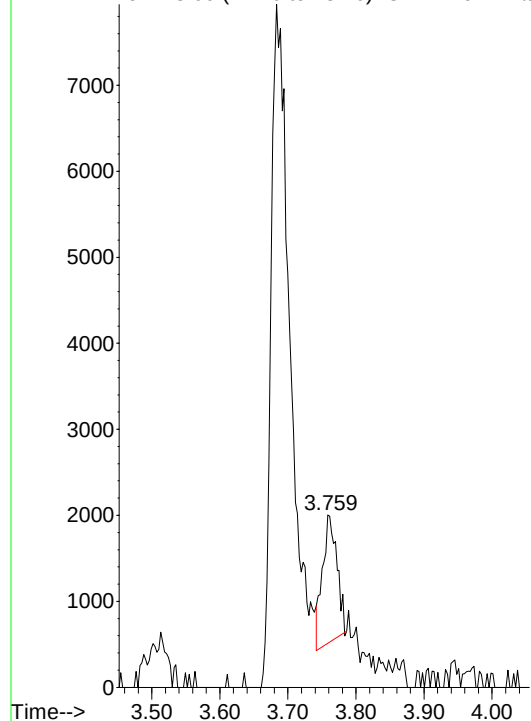


Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21912.D
Acq On : 8 Aug 2022 11:33 am
Operator :
Sample : 8260STD 1.0PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:19:52 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration
ETHYL ACETATE

Abundance on 43.00 (42.70 to 43.70): C22V21912.Did



Original Int. Results

RT : 3.76
Area : 2175
Amount: 0.496728

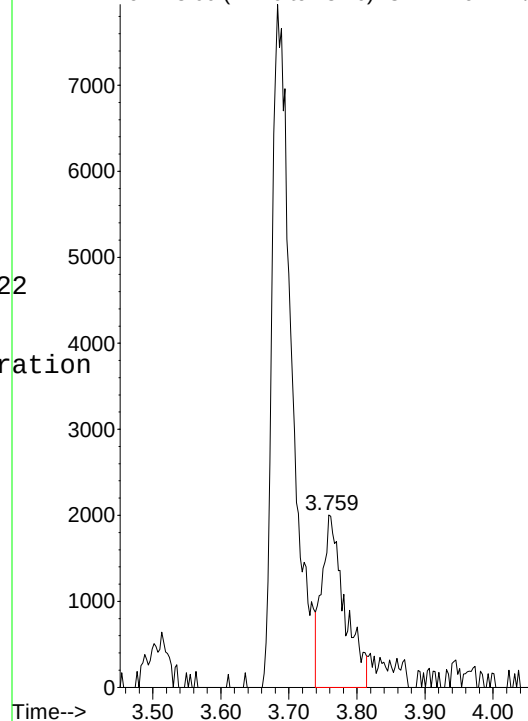
Manual Int. Results

Mon Aug 08 12:18:24 2022

MIuser: EEH
Reason: Incoret Integration
RT : 3.76
Area : 4664
Amount: 1.06517

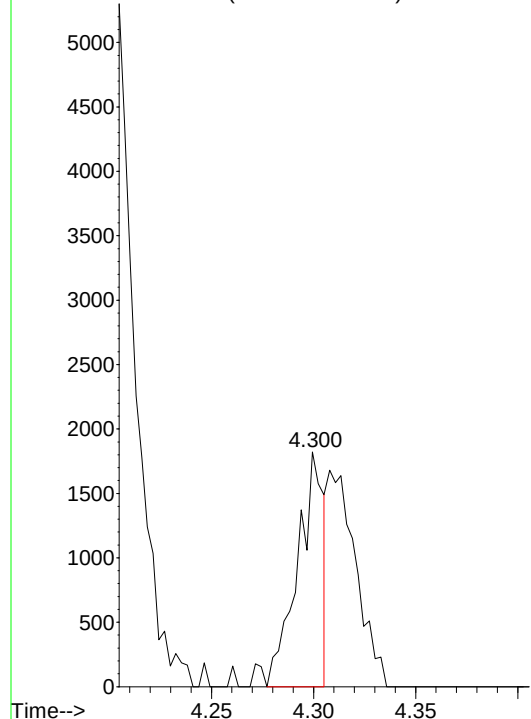
Manual Integration
ETHYL ACETATE

Abundance on 43.00 (42.70 to 43.70): C22V21912.Did



Original Integration
CARBON TETRACHLORIDE

Abundance on 117.00 (116.70 to 117.70): C22V21912.Did



Original Int. Results

RT : 4.30
Area : 1614
Amount: 0.503496

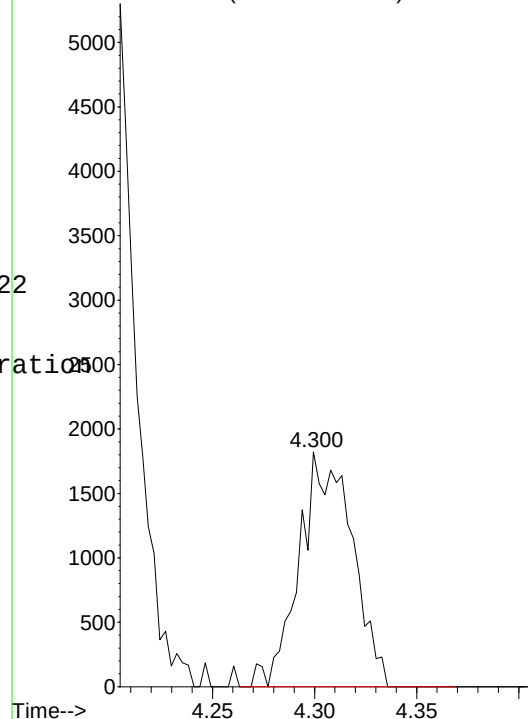
Manual Int. Results

Mon Aug 08 12:18:32 2022

MIuser: EEH
Reason: Incoret Integration
RT : 4.30
Area : 3278
Amount: 1.02259

Manual Integration
CARBON TETRACHLORIDE

Abundance on 117.00 (116.70 to 117.70): C22V21912.Did

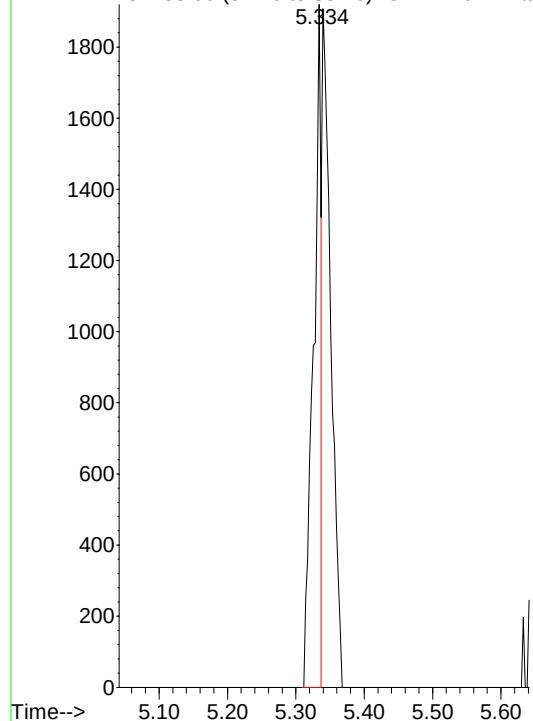


Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21912.D
Acq On : 8 Aug 2022 11:33 am
Operator :
Sample : 8260STD 1.0PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:19:52 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration
METHYLCYCLOHEXANE

Abundance on 83.00 (82.70 to 83.70): C22V21912.D



Original Int. Results

RT : 5.33
Area : 1446
Amount: 0.421656

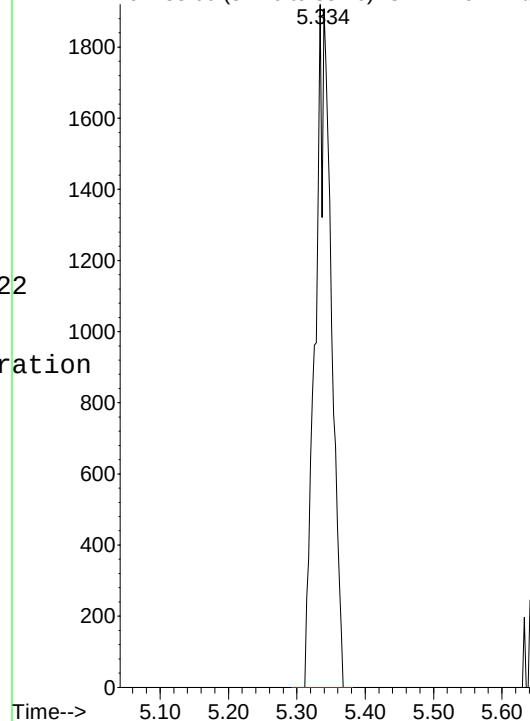
Manual Int. Results

Mon Aug 08 12:18:41 2022

MIuser: EEH
Reason: Incoret Integration
RT : 5.33
Area : 3112
Amount: 0.907465

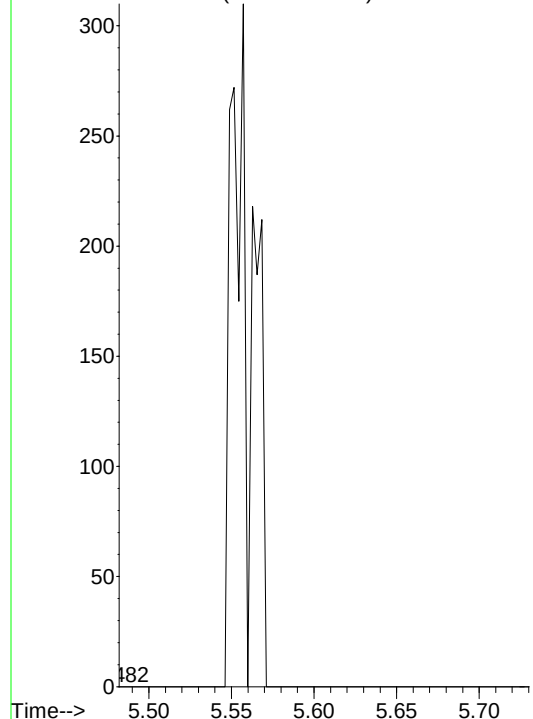
Manual Integration
METHYLCYCLOHEXANE

Abundance on 83.00 (82.70 to 83.70): C22V21912.D



Original Integration
1,4-DIOXANE

Abundance on 88.10 (87.80 to 88.80): C22V21912.D



Original Int. Results

RT : 0.00
Area : 0
Amount: 0

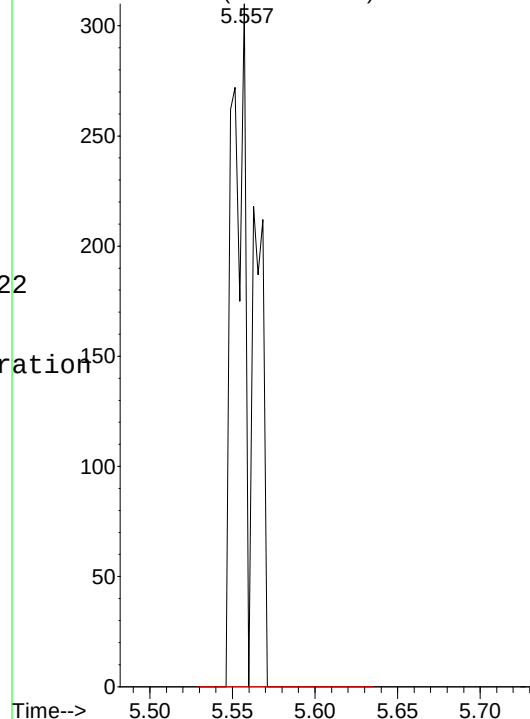
Manual Int. Results

Mon Aug 08 12:18:49 2022

MIuser: EEH
Reason: Incoret Integration
RT : 5.56
Area : 274
Amount: 6.22641

Manual Integration
1,4-DIOXANE

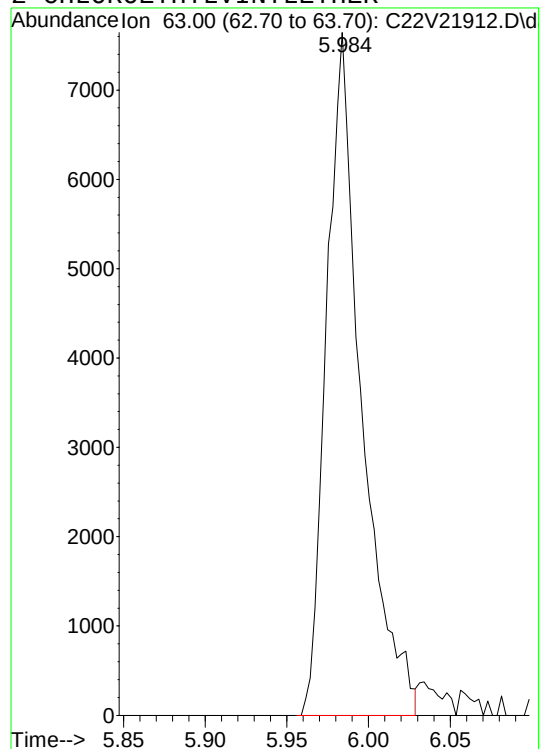
Abundance on 88.10 (87.80 to 88.80): C22V21912.D



Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21912.D
Acq On : 8 Aug 2022 11:33 am
Operator :
Sample : 8260STD 1.0PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:19:52 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration
2-CHLOROETHYLVINYLETHER



Original Int. Results

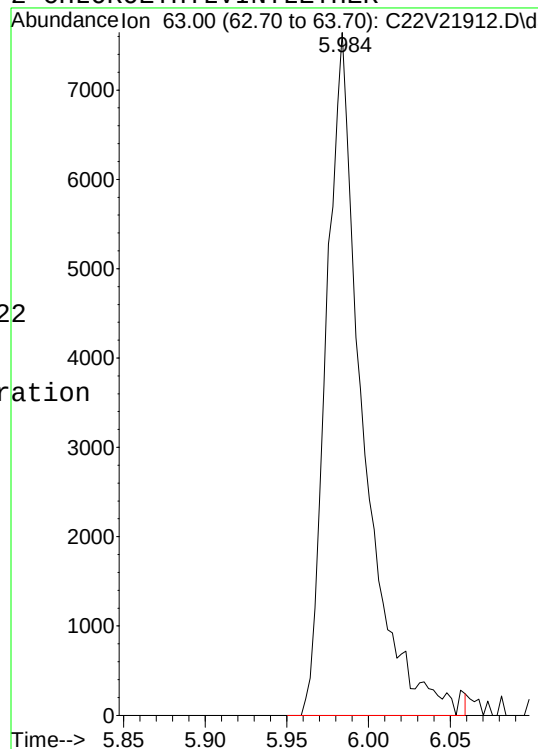
RT : 5.98
Area : 11382
Amount: 7.76174

Manual Int. Results

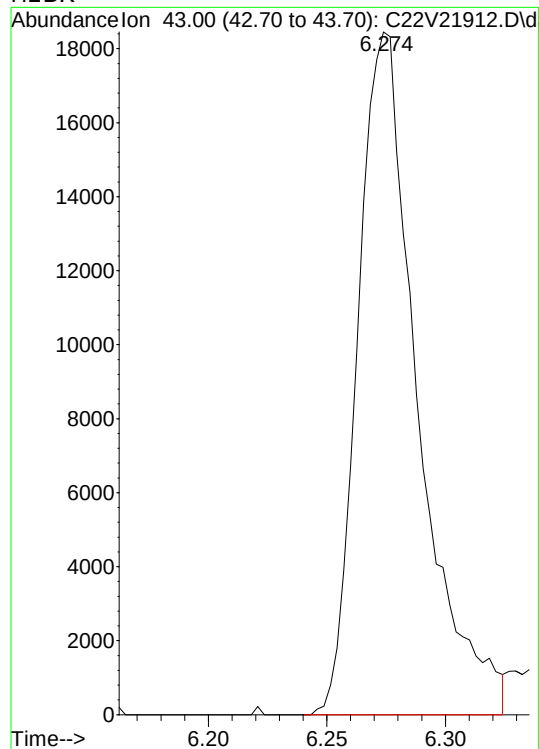
Mon Aug 08 12:18:54 2022

MIuser: EEH
Reason: Incoret Integration
RT : 5.98
Area : 11832
Amount: 8.06861

Manual Integration
2-CHLOROETHYLVINYLETHER



Original Integration
MIBK



Original Int. Results

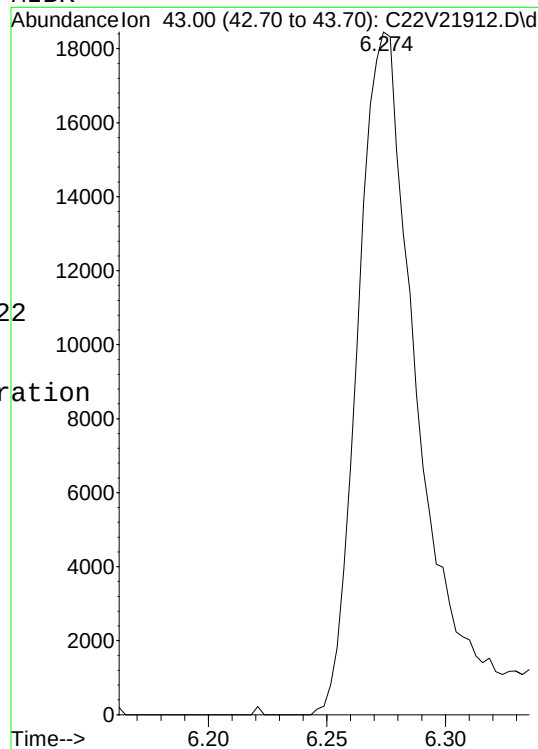
RT : 6.27
Area : 32264
Amount: 7.29887

Manual Int. Results

Mon Aug 08 12:18:58 2022

MIuser: EEH
Reason: Incoret Integration
RT : 6.27
Area : 35205
Amount: 7.96419

Manual Integration
MIBK

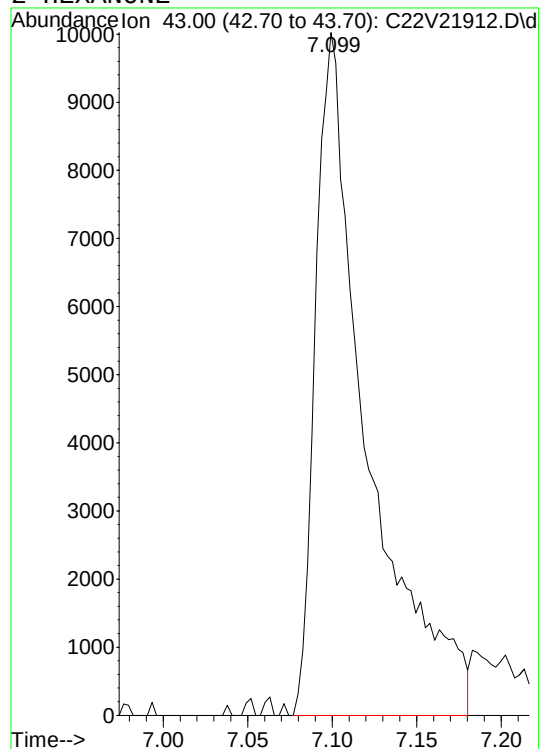


Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21912.D
Acq On : 8 Aug 2022 11:33 am
Operator :
Sample : 8260STD 1.0PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:19:52 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration

2-HEXANONE



Original Int. Results

RT : 7.10
Area : 21157
Amount: 6.66388

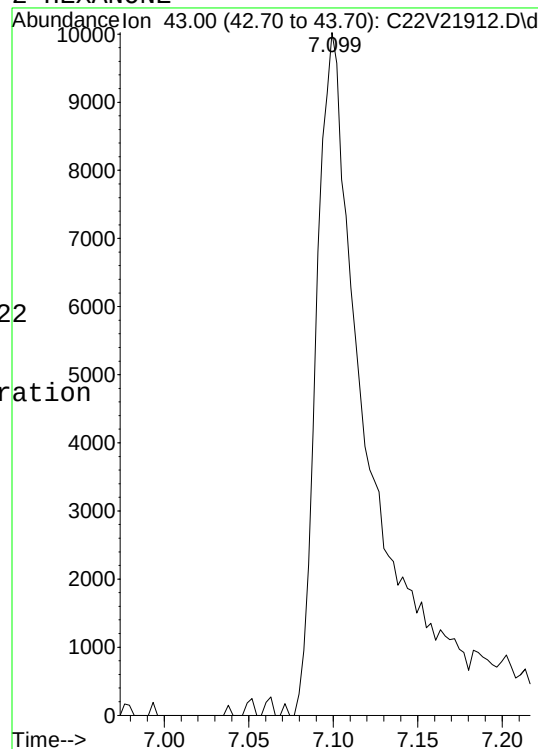
Manual Int. Results

Mon Aug 08 12:19:06 2022

MIuser: EEH
Reason: Incoret Integration
RT : 7.10
Area : 23827
Amount: 7.50486

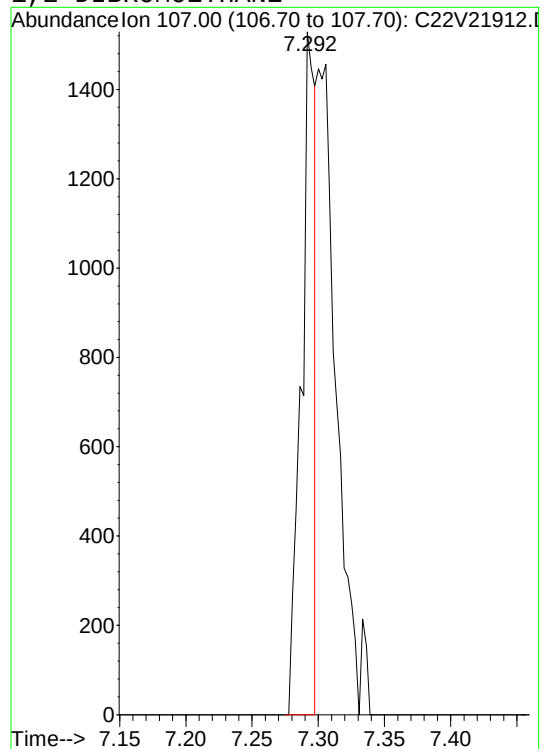
Manual Integration

2-HEXANONE



Original Integration

1,2-DIBROMOETHANE



Original Int. Results

RT : 7.29
Area : 1099
Amount: 0.379955

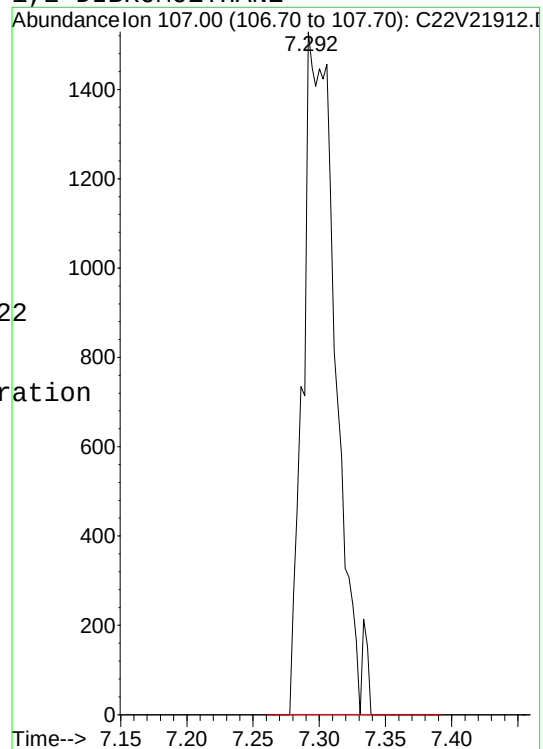
Manual Int. Results

Mon Aug 08 12:19:11 2022

MIuser: EEH
Reason: Incoret Integration
RT : 7.29
Area : 2605
Amount: 0.900622

Manual Integration

1,2-DIBROMOETHANE

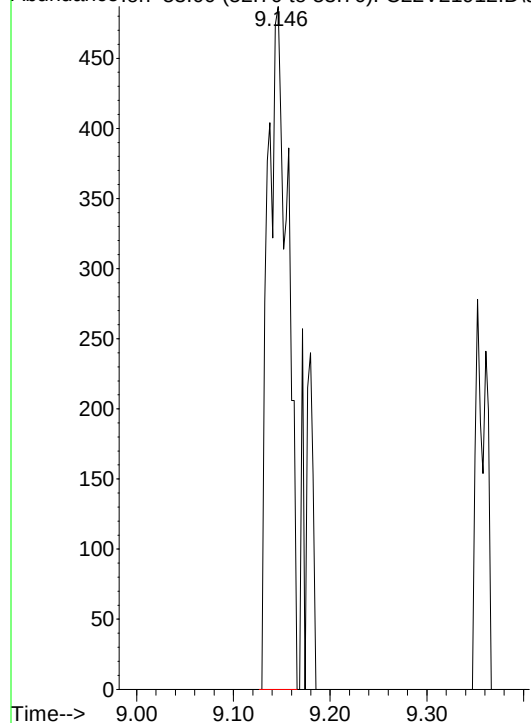


Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21912.D
Acq On : 8 Aug 2022 11:33 am
Operator :
Sample : 8260STD 1.0PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:19:52 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration
1,4-DICHLORO-2-BUTENE (TRANS)

Abundance on 53.00 (52.70 to 53.70): C22V21912.D



Original Int. Results

RT : 9.15
Area : 702
Amount: 0.684278

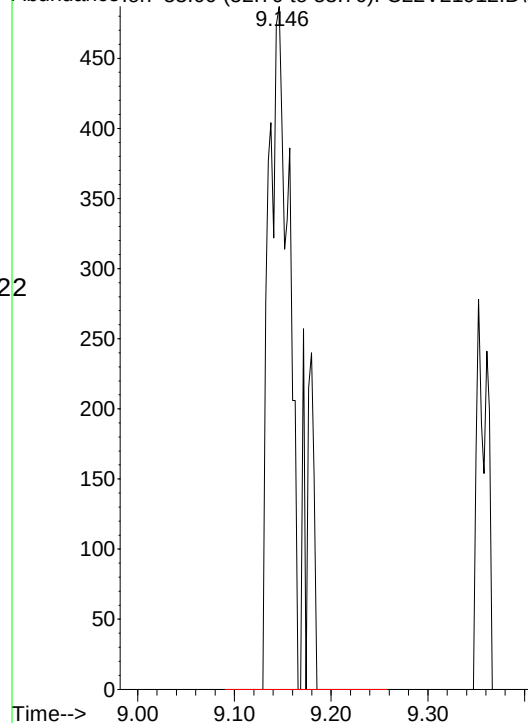
Manual Int. Results

Mon Aug 08 12:19:21 2022

MIuser: EEH
Reason: Other
RT : 9.15
Area : 847
Amount: 0.825617

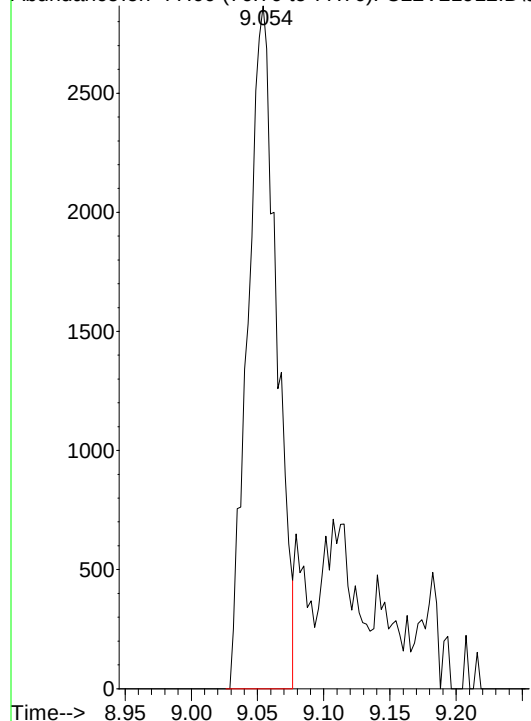
Manual Integration
1,4-DICHLORO-2-BUTENE (TRANS)

Abundance on 53.00 (52.70 to 53.70): C22V21912.D



Original Integration
BROMOBENZENE

Abundance on 77.00 (76.70 to 77.70): C22V21912.D



Original Int. Results

RT : 9.05
Area : 4329
Amount: 0.88539

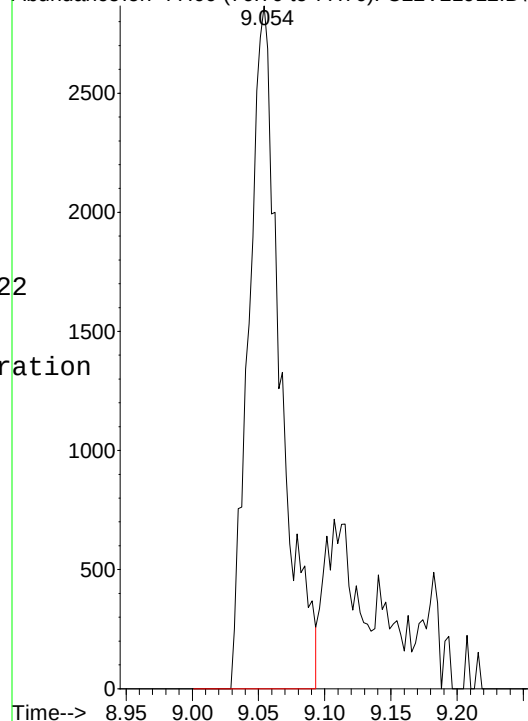
Manual Int. Results

Mon Aug 08 12:19:25 2022

MIuser: EEH
Reason: Incoret Integration
RT : 9.05
Area : 4767
Amount: 0.974972

Manual Integration
BROMOBENZENE

Abundance on 77.00 (76.70 to 77.70): C22V21912.D

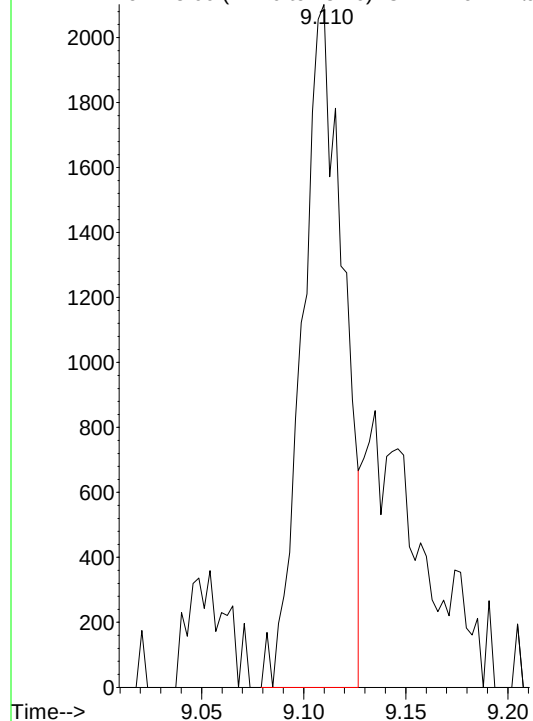


Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21912.D
Acq On : 8 Aug 2022 11:33 am
Operator :
Sample : 8260STD 1.0PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:19:52 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration
1,2,3-TRICHLOROPROPANE

Abundance on 75.00 (74.70 to 75.70): C22V21912.Did



Original Int. Results

RT : 9.11
Area : 2949
Amount: 0.869142

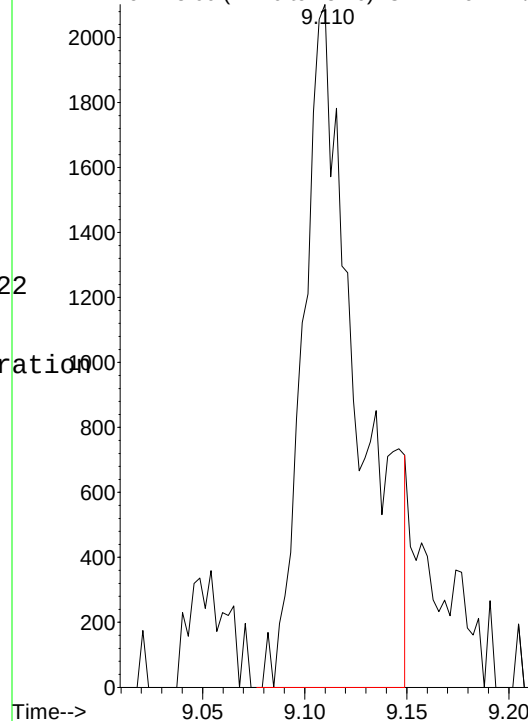
Manual Int. Results

Mon Aug 08 12:19:29 2022

MIuser: EEH
Reason: Incoret Integration
RT : 9.11
Area : 3907
Amount: 1.15149

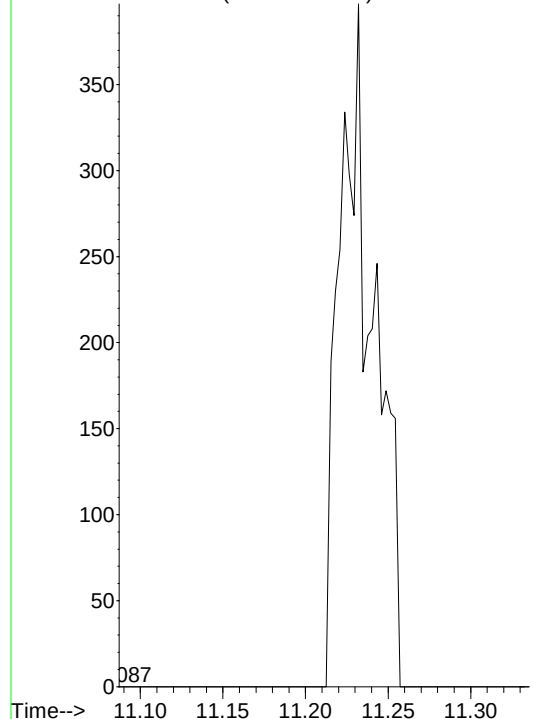
Manual Integration
1,2,3-TRICHLOROPROPANE

Abundance on 75.00 (74.70 to 75.70): C22V21912.Did



Original Integration
1,2-DIBROMO-3-CHLOROPROPANE

Abundance on 75.00 (74.70 to 75.70): C22V21912.Did



Original Int. Results

RT : 0.00
Area : 0
Amount: 0

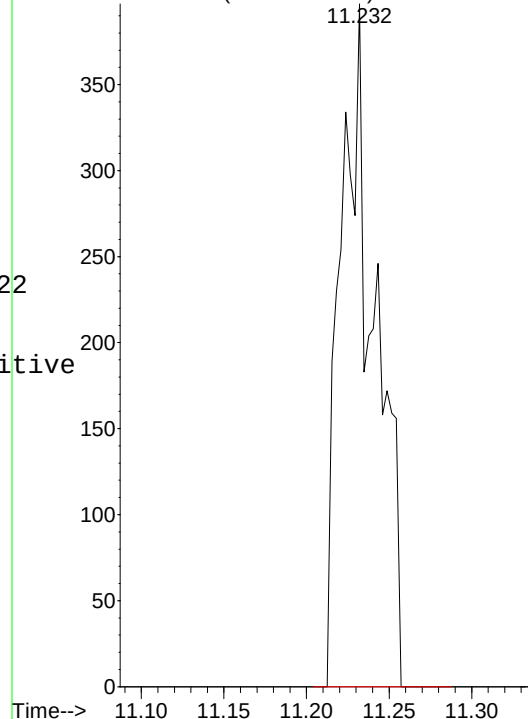
Manual Int. Results

Mon Aug 08 12:19:39 2022

MIuser: EEH
Reason: Qdel False Positive
RT : 11.23
Area : 579
Amount: 0.806502

Manual Integration
1,2-DIBROMO-3-CHLOROPROPANE

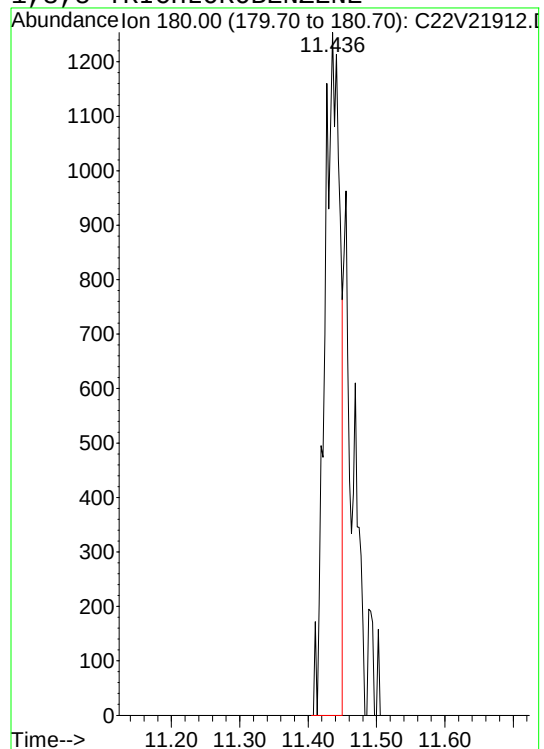
Abundance on 75.00 (74.70 to 75.70): C22V21912.Did



Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21912.D
Acq On : 8 Aug 2022 11:33 am
Operator :
Sample : 8260STD 1.0PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:19:52 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration
1,3,5-TRICHLOROBENZENE



Original Int. Results

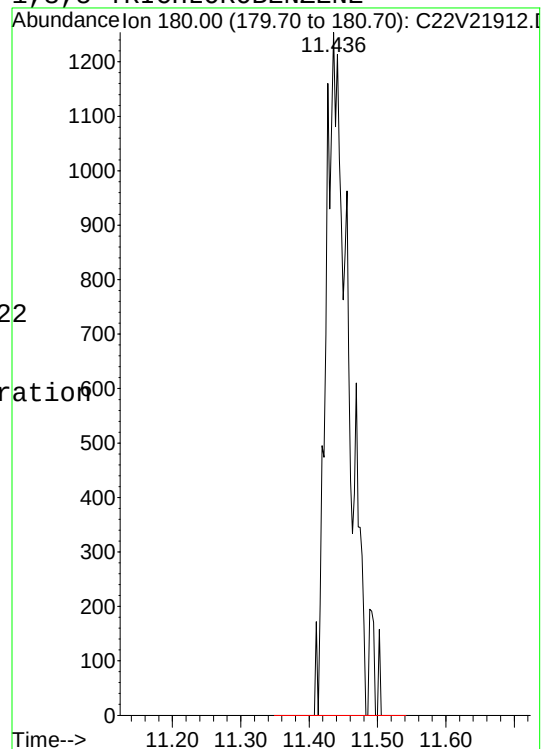
RT : 11.44
Area : 1920
Amount: 0.538942

Manual Int. Results

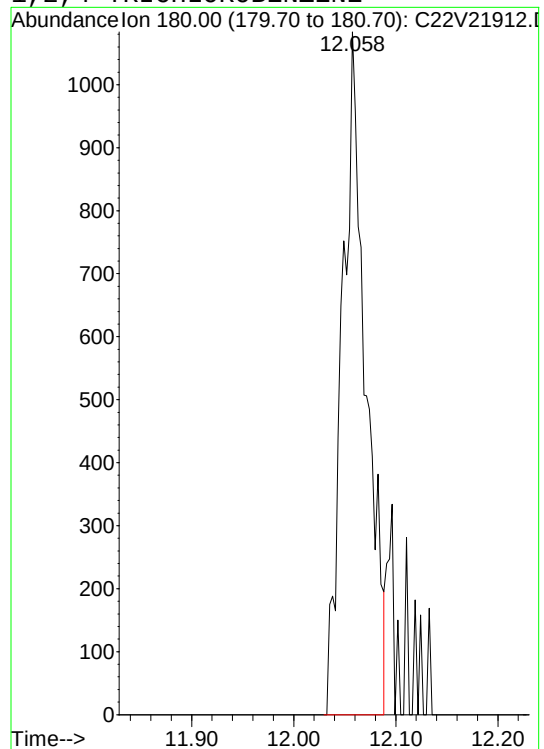
Mon Aug 08 12:19:42 2022

MIuser: EEH
Reason: Incoret Integration
RT : 11.44
Area : 2944
Amount: 0.826378

Manual Integration
1,3,5-TRICHLOROBENZENE



Original Integration
1,2,4-TRICHLOROBENZENE



Original Int. Results

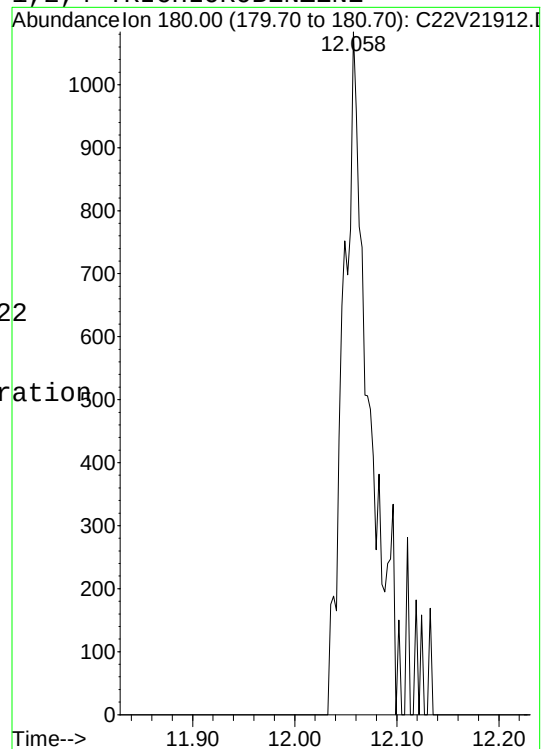
RT : 12.06
Area : 1731
Amount: 0.515846

Manual Int. Results

Mon Aug 08 12:19:44 2022

MIuser: EEH
Reason: Incoret Integration
RT : 12.06
Area : 2026
Amount: 0.603758

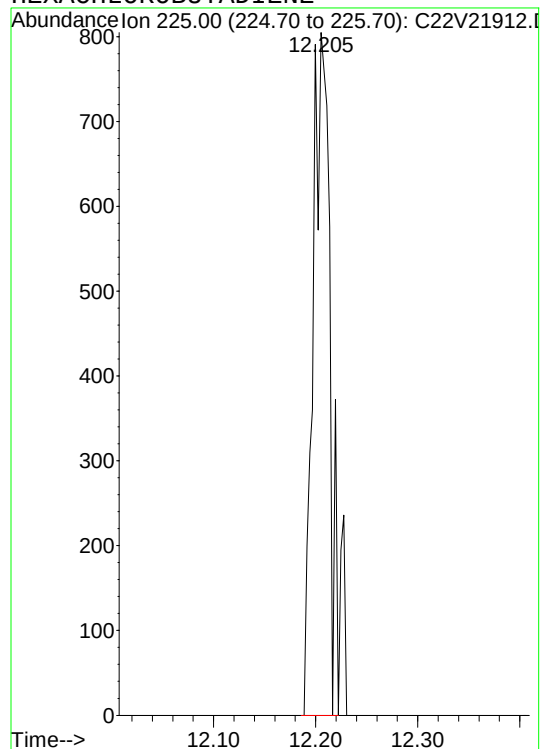
Manual Integration
1,2,4-TRICHLOROBENZENE



Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21912.D
Acq On : 8 Aug 2022 11:33 am
Operator :
Sample : 8260STD 1.0PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:19:52 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration
HEXACHLOROBUTADIENE



Original Int. Results

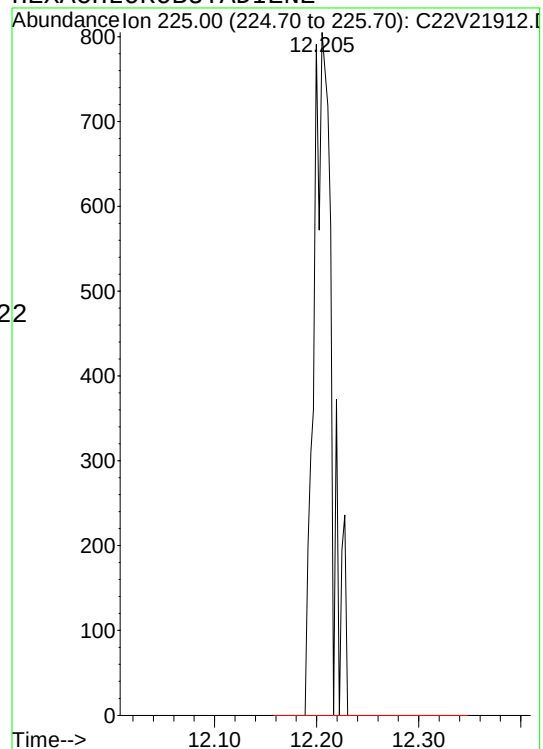
RT : 12.21
Area : 914
Amount: 0.715228

Manual Int. Results

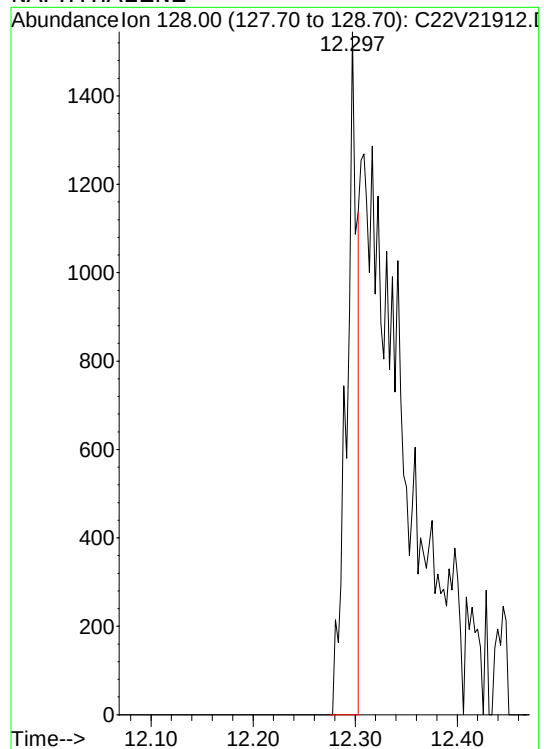
Mon Aug 08 12:19:47 2022

MIuser: EEH
Reason: Other
RT : 12.21
Area : 987
Amount: 0.772352

Manual Integration
HEXACHLOROBUTADIENE



Original Integration
NAPHTHALENE



Original Int. Results

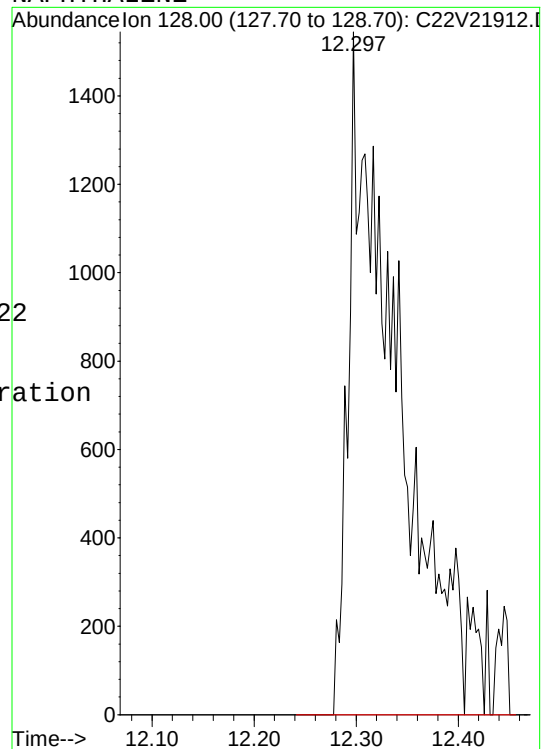
RT : 12.30
Area : 1117
Amount: 0.111355

Manual Int. Results

Mon Aug 08 12:19:50 2022

MIuser: EEH
Reason: Incoret Integration
RT : 12.30
Area : 5327
Amount: 0.531057

Manual Integration
NAPHTHALENE

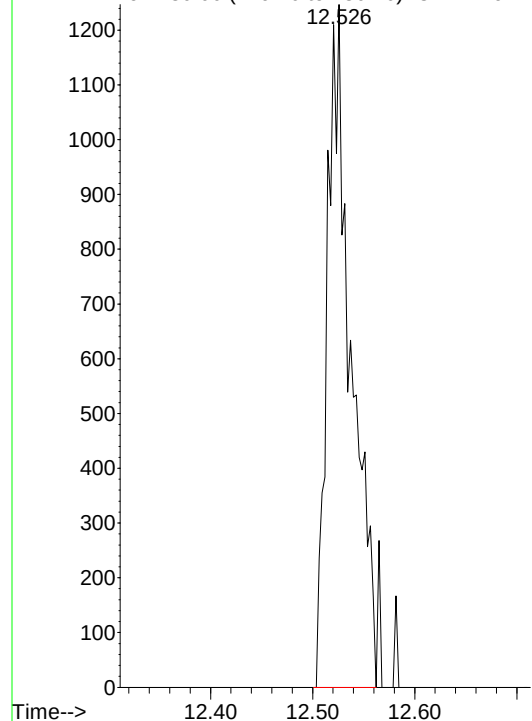


Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21912.D
Acq On : 8 Aug 2022 11:33 am
Operator :
Sample : 8260STD 1.0PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:19:52 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration
1,2,3-TRICHLOROBENZENE

Abundance on 180.00 (179.70 to 180.70): C22V21912.D



Original Int. Results

RT : 12.53
Area : 2038
Amount: 0.61146

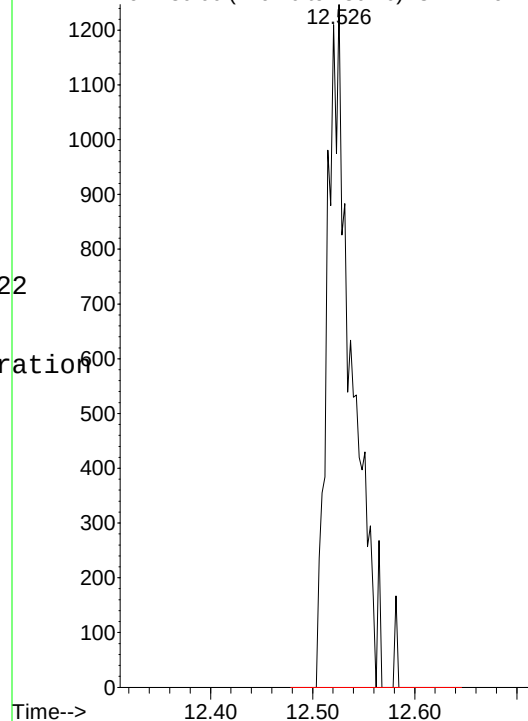
Manual Int. Results

Mon Aug 08 12:19:52 2022

MIuser: EEH
Reason: Incoret Integration
RT : 12.53
Area : 2110
Amount: 0.633062

Manual Integration
1,2,3-TRICHLOROBENZENE

Abundance on 180.00 (179.70 to 180.70): C22V21912.D



Data Path : C:\msdchem\1\data\C080822\
 Data File : C22V21913.D
 Acq On : 8 Aug 2022 11:58 am
 Operator :
 Sample : 8260STD 2.0PPB 2206105
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Inst : GCMSVOA3

Quant Time: Aug 08 12:21:53 2022
 Quant Method : C:\msdchem\1\methods\C051619.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Mon Aug 08 11:15:01 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	4.194	168	191246	30.00	UG/L	0.00
48) 1,4-DIFLUOROBENZENE - ...	4.916	114	281380	30.00	UG/L	0.00
70) CHLOROBENZENE-D5 ISTD	7.749	82	138580	30.00	UG/L	0.00
89) 1,4-DICHLOROBENZENE-D4...	10.047	152	132836	30.00	UG/L	# 0.00
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.467	65	91527	25.44	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	101.76%	
49) TOLUENE SS	6.352	98	276973	24.68	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	98.72%	
71) 4-BROMOFLUOROBENZENE SS	8.909	95	101308	24.64	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	98.56%	
Target Compounds						
					Qvalue	
3) DICHLORODIFLUOROMETHANE	1.087	85	5656	1.81	UG/L	99
4) DIFLUOROCHLOROMETHANE	1.093	51	7218	1.94	UG/L	# 100
5) CHLOROMETHANE	1.196	50	10248	2.46	UG/L	# 27
6) VINYL CHLORIDE	1.260	62	6558	1.97	UG/L	# 82
7) BROMOMETHANE	1.455	94	4567	2.52	UG/L	99
8) CHLOROETHANE	1.517	64	4892	2.66	UG/L	92
9) FLUORODICHLOROMETHANE	1.639	67	10902	2.17	UG/L	96
10) TRICHLOROFLUOROMETHANE	1.678	101	8380	2.26	UG/L	98
11) ETHANOL	1.795	45	1842	28.26	UG/L	# 66
12) DI ETHYL ETHER	1.868	59	4758	2.02	UG/L	89
13) ACROLEIN	1.957	56	10790	13.71	UG/L	91
14) ACETONE	2.069	43	22417	18.69	UG/L	95
15) 1,1-DICHLOROETHENE	2.024	61	8599	2.32	UG/L	96
16) 1,1,2-TRICL-1,2,2-TRIF...	2.024	101	5096	2.51	UG/L	82
17) IODOMETHANE	2.138	142	55096	18.19	UG/L	99
20) METHYL ACETATE	2.320	43	9080	2.44	UG/L	# 82
21) T-BUTYL ALCOHOL	2.509	59	9297	20.15	UG/L	# 97
22) ACRYLONITRILE	2.618	53	2743m	1.73	UG/L	
23) METHYLENE CHLORIDE	2.395	49	8180	2.08	UG/L	96
24) CARBON DISULFIDE	2.191	76	162961	22.83	UG/L	100
25) METHYL TERT-BUTYL ETHE...	2.643	73	17731	2.12	UG/L	97
26) TRANS 1,2-DICHLOROETHENE	2.629	61	7656	2.00	UG/L	96
27) 1,1-DICHLOROETHANE	3.042	63	10053	1.96	UG/L	98
28) VINYL ACETATE	3.112	43	165358	16.78	UG/L	99
29) DI ISOPROYL ETHER	3.123	45	19849	1.79	UG/L	98
31) 2-BUTANONE	3.681	43	31842	14.78	UG/L	# 62
32) T-BUTYL ETHYL ETHER	3.508	59	17314	1.87	UG/L	99
33) CIS-1,2-DICHLOROETHENE	3.644	61	8634	1.93	UG/L	95
34) 2,2-DICHLOROPROPANE	3.636	77	7908	2.06	UG/L	# 73
35) ETHYL ACETATE	3.759	43	8738m	2.01	UG/L	
38) BROMOCHLOROMETHANE	3.881	49	5178	1.97	UG/L	97
39) TETRAHYDROFURAN	3.957	42	2148m	1.67	UG/L	
40) CHLOROFORM	3.968	83	9470	1.99	UG/L	98
41) 1,1,1-TRICHLOROETHANE	4.141	97	7988	2.10	UG/L	90
42) CYCLOHEXANE	4.191	56	11347	2.52	UG/L	# 74
43) CARBON TETRACHLORIDE	4.308	117	6566	2.06	UG/L	# 53
44) 1,1-DICHLOROPROPENE	4.314	75	6934	1.97	UG/L	93
45) BENZENE	4.517	78	20981	1.91	UG/L	# 93
47) T-AMYL METHYL ETHER	4.657	73	16581	2.02	UG/L	96
50) 1,2-DICHLOROETHANE	4.548	62	7931	2.07	UG/L	# 94
51) TRICHLOROETHENE	5.164	95	5306	2.14	UG/L	91
52) METHYLCYCLOHEXANE	5.334	83	6416	1.89	UG/L	94
53) 1,2-DICHLOROPROPANE	5.384	63	5865	1.98	UG/L	# 97

Data Path : C:\msdchem\1\data\C080822\
 Data File : C22V21913.D
 Acq On : 8 Aug 2022 11:58 am
 Operator :
 Sample : 8260STD 2.0PPB 2206105
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Inst : GCMSVOA3

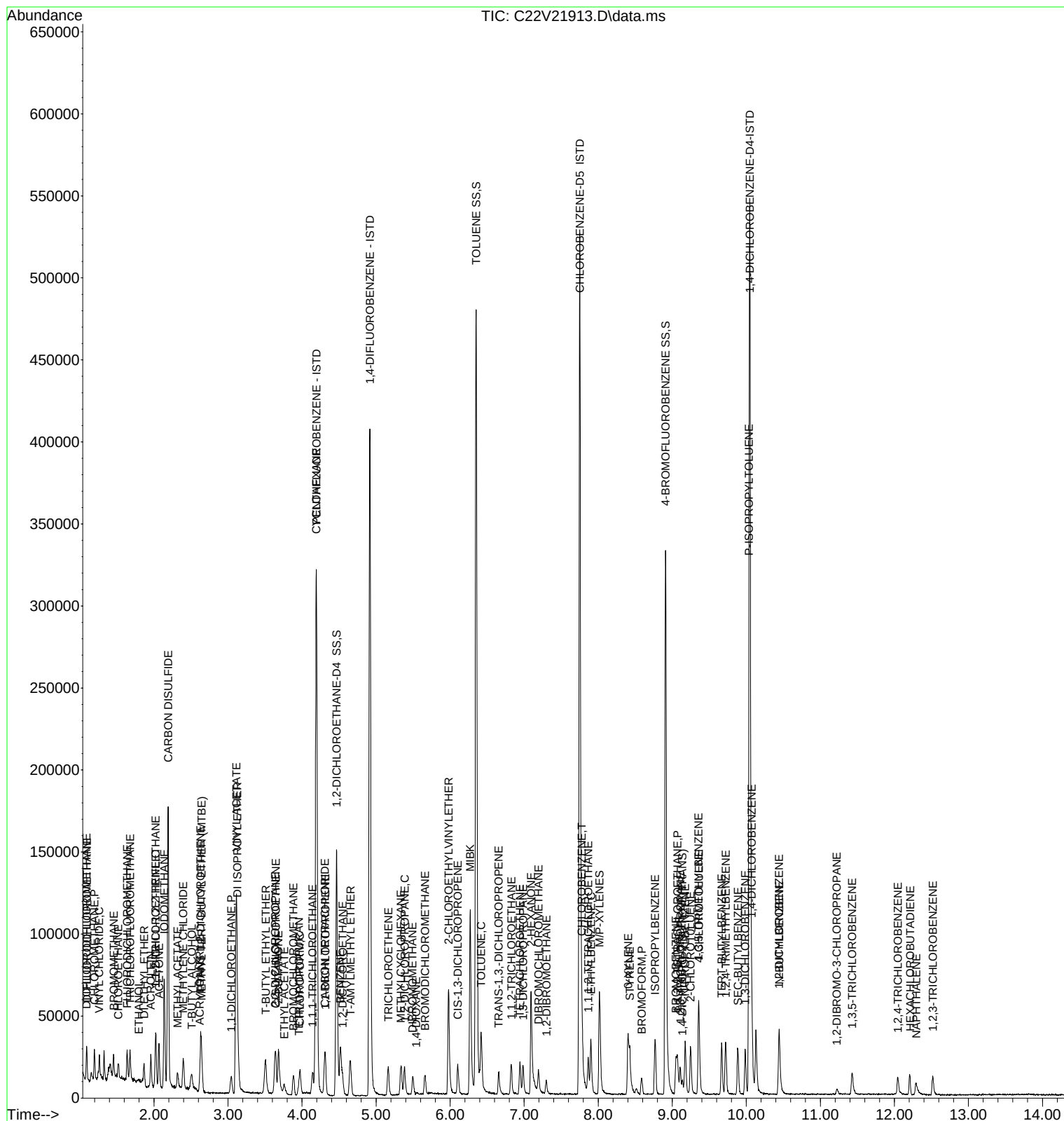
Quant Time: Aug 08 12:21:53 2022
 Quant Method : C:\msdchem\1\methods\C051619.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Mon Aug 08 11:15:01 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
54) DIBROMOMETHANE	5.493	93	3526	1.92	UG/L	96
56) 1,4-DIOXANE	5.541	88	722m	16.61	UG/L	
57) BROMODICHLOROMETHANE	5.660	83	7232	2.04	UG/L #	97
58) 2-CHLOROETHYLVINYLETHER	5.978	63	24357	16.81	UG/L	96
59) MIBK	6.268	43	70892	16.23	UG/L	99
60) CIS-1,3-DICHLOROPROPENE	6.104	75	8457	1.87	UG/L	95
61) TOLUENE	6.419	91	22413	2.06	UG/L	92
62) TRANS-1,3,-DICHLOROPRO...	6.653	75	7265	1.78	UG/L	93
64) 1,1,2-TRICHLOROETHANE	6.826	97	5279	2.06	UG/L	97
65) 2-HEXANONE	7.094	43	47327m	15.09	UG/L	
66) TETRACHLOROETHENE	6.943	166	5393	2.14	UG/L	95
67) 1,3-DICHLOROPROPANE	6.985	76	9345	1.96	UG/L	100
68) DIBROMOCHLOROMETHANE	7.194	129	5917	2.01	UG/L	97
69) 1,2-DIBROMOETHANE	7.300	107	5516	1.93	UG/L	97
72) CHLOROBENZENE	7.777	112	14026	2.05	UG/L	94
73) 1,1,1,2-TETRACHLOROETHANE	7.866	131	5079	2.08	UG/L	94
74) ETHYLBENZENE	7.903	91	22700	1.93	UG/L	95
75) M/P-XYLENES	8.017	91	36382	4.08	UG/L	94
76) O-XYLENE	8.404	91	18859	2.05	UG/L	100
77) STYRENE	8.424	104	14310	1.93	UG/L	99
78) BROMOFORM	8.589	173	4367	2.03	UG/L #	90
79) ISOPROPYLBENZENE	8.767	105	21905	2.06	UG/L	98
81) 1,1,2,2-TETRACHLOROETHANE	9.071	83	8506	2.10	UG/L #	92
82) 1,4-DICHLORO-2-BUTENE(...	9.135	53	2158m	2.11	UG/L	
83) BROMOBENZENE	9.049	77	9467	1.94	UG/L	92
84) 1,2,3-TRICHLOROPROPANE	9.110	75	6365	1.88	UG/L	97
85) N-PROPYLBENZENE	9.174	91	23511	1.88	UG/L	98
86) 2-CHLOROTOLUENE	9.247	91	14942	1.88	UG/L	99
87) 1,3,5-TRIMETHYLBENZENE	9.355	105	16854	1.90	UG/L	100
88) 4-CHLOROTOLUENE	9.361	91	18045	1.99	UG/L	94
90) TERT-BUTYLBENZENE	9.668	119	14149	1.97	UG/L	93
91) 1,2,4-TRIMETHYLBENZENE	9.721	105	16958	1.87	UG/L	99
92) SEC-BUTYLBENZENE	9.888	105	19097	1.89	UG/L	94
93) 1,3-DICHLOROBENZENE	9.986	146	10486	2.00	UG/L	98
94) P-ISOPROPYLTOLUENE	10.036	119	16092	1.85	UG/L	97
95) 1,4-DICHLOROBENZENE	10.072	146	10982	1.97	UG/L	92
97) N-BUTYLBENZENE	10.446	91	12776	1.63	UG/L	95
98) 1,2-DICHLOROBENZENE	10.440	146	10652	2.01	UG/L	97
99) 1,2-DIBROMO-3-CHLOROPR...	11.218	75	1241m	1.70	UG/L	
100) 1,3,5-TRICHLOROBENZENE	11.427	180	6003	1.66	UG/L	94
101) 1,2,4-TRICHLOROBENZENE	12.046	180	4834m	1.42	UG/L	
102) HEXACHLOROBUTADIENE	12.211	225	2619	2.02	UG/L #	84
103) NAPHTHALENE	12.295	128	12651m	1.24	UG/L	
104) 1,2,3-TRICHLOROBENZENE	12.518	180	4622m	1.37	UG/L	

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

287

Quant Time: Aug 08 12:21:53 2022
Quant Method : C:\msdchem\1\methods\C051619.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Mon Aug 08 11:15:01 2022
Response via : Initial Calibration

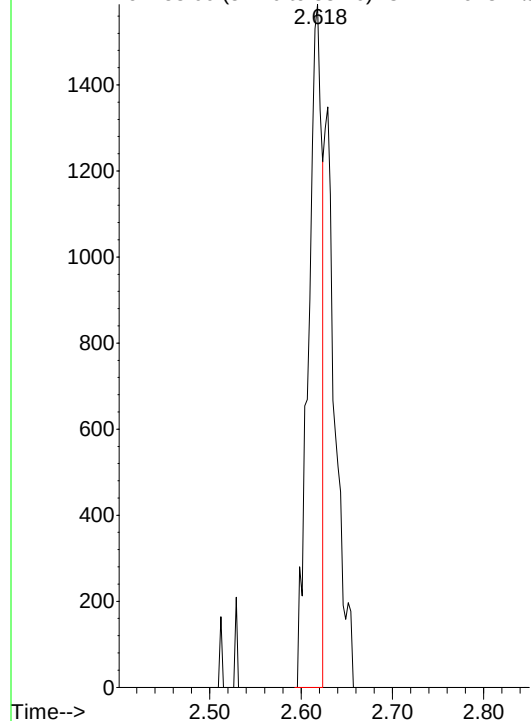


Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21913.D
Acq On : 8 Aug 2022 11:58 am
Operator :
Sample : 8260STD 2.0PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:21:53 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration
ACRYLONITRILE

Abundance Ion 53.00 (52.70 to 53.70): C22V21913.D



Original Int. Results

RT : 2.62
Area : 1616
Amount: 1.02042

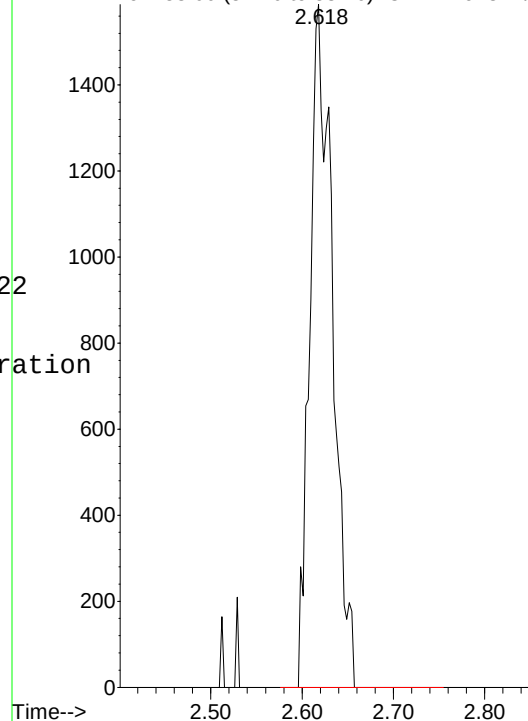
Manual Int. Results

Mon Aug 08 12:20:30 2022

MIuser: EEH
Reason: Incoret Integration
RT : 2.62
Area : 2743
Amount: 1.73207

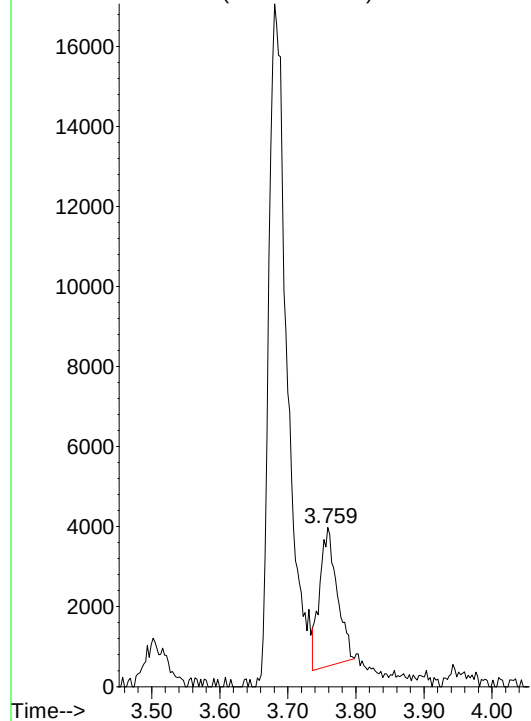
Manual Integration
ACRYLONITRILE

Abundance Ion 53.00 (52.70 to 53.70): C22V21913.D



Original Integration
ETHYL ACETATE

Abundance Ion 43.00 (42.70 to 43.70): C22V21913.D



Original Int. Results

RT : 3.76
Area : 6159
Amount: 1.41543

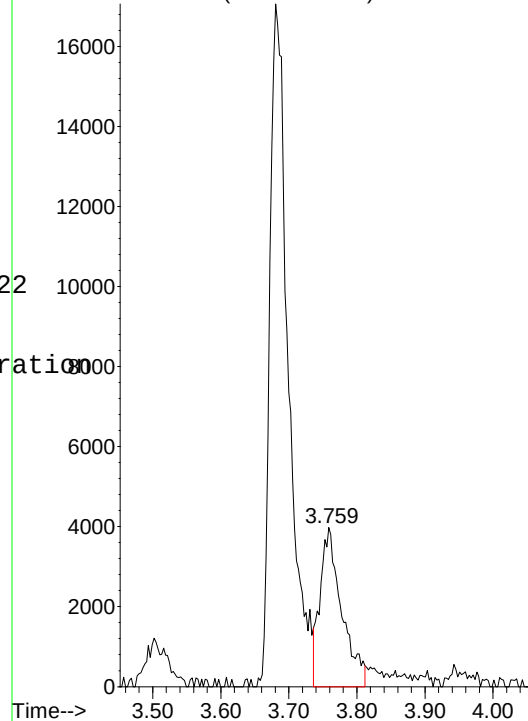
Manual Int. Results

Mon Aug 08 12:20:43 2022

MIuser: EEH
Reason: Incoret Integration
RT : 3.76
Area : 8738
Amount: 2.00812

Manual Integration
ETHYL ACETATE

Abundance Ion 43.00 (42.70 to 43.70): C22V21913.D

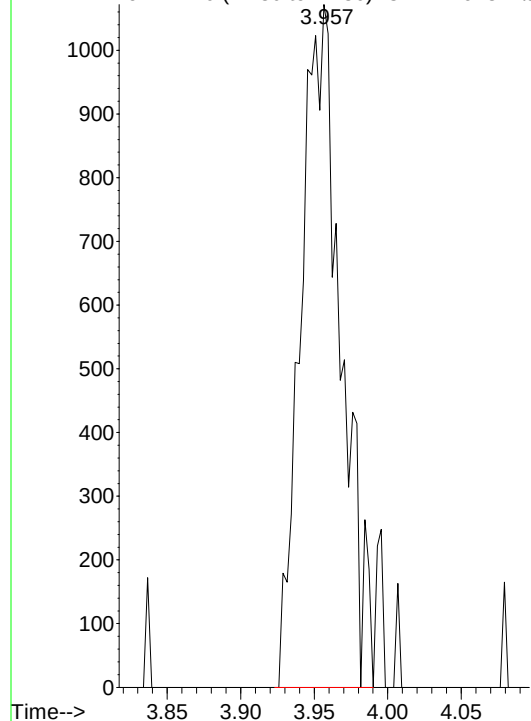


Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21913.D
Acq On : 8 Aug 2022 11:58 am
Operator :
Sample : 8260STD 2.0PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:21:53 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration
TETRAHYDROFURAN

Abundance Ion 42.10 (41.80 to 42.80): C22V21913.D



Original Int. Results

RT : 3.96
Area : 2043
Amount: 1.58851

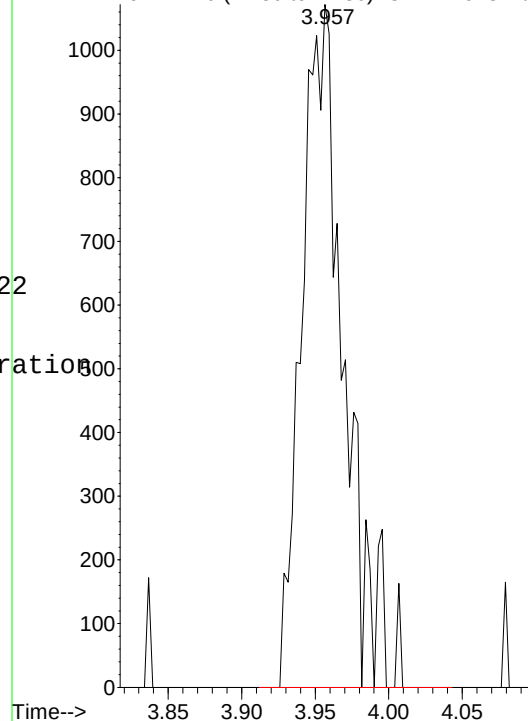
Manual Int. Results

Mon Aug 08 12:20:49 2022

MIuser: EEH
Reason: Incoret Integration
RT : 3.96
Area : 2148
Amount: 1.67015

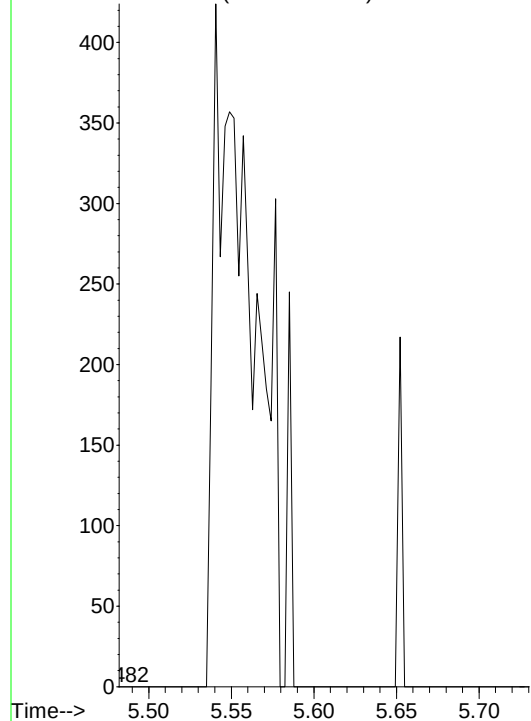
Manual Integration
TETRAHYDROFURAN

Abundance Ion 42.10 (41.80 to 42.80): C22V21913.D



Original Integration
1,4-DIOXANE

Abundance Ion 88.10 (87.80 to 88.80): C22V21913.D



Original Int. Results

RT : 0.00
Area : 0
Amount: 0

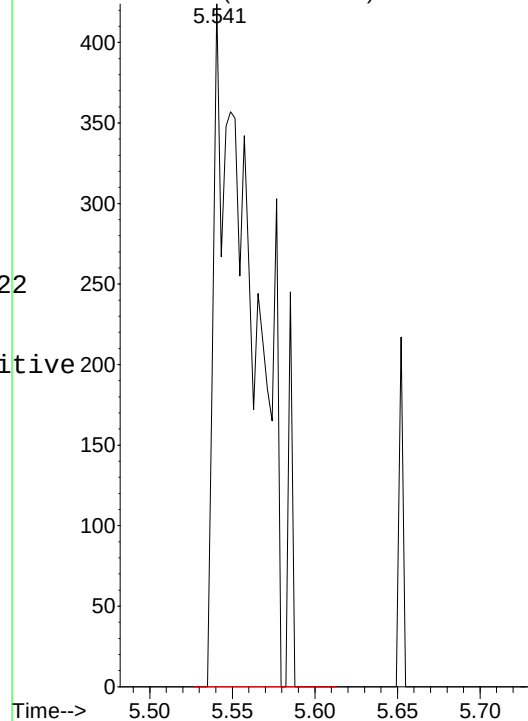
Manual Int. Results

Mon Aug 08 12:21:02 2022

MIuser: EEH
Reason: Qdel False Positive
RT : 5.54
Area : 722
Amount: 16.6073

Manual Integration
1,4-DIOXANE

Abundance Ion 88.10 (87.80 to 88.80): C22V21913.D

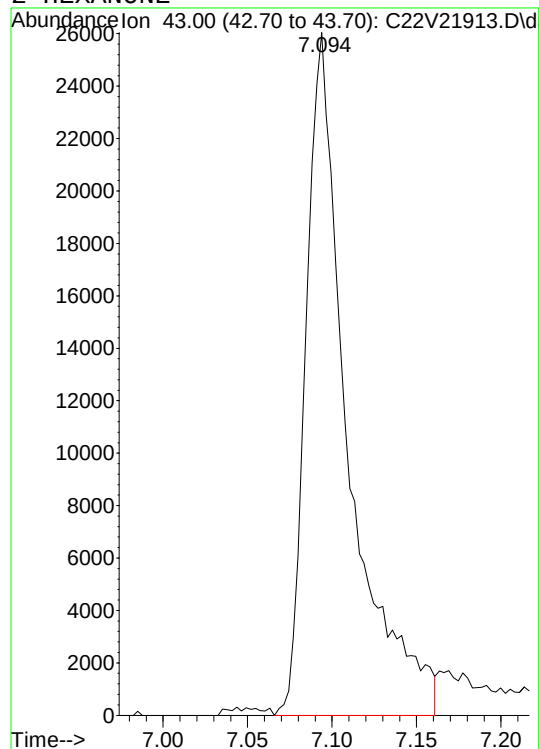


Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21913.D
Acq On : 8 Aug 2022 11:58 am
Operator :
Sample : 8260STD 2.0PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:21:53 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration

2-HEXANONE



Original Int. Results

RT : 7.09
Area : 44841
Amount: 14.2963

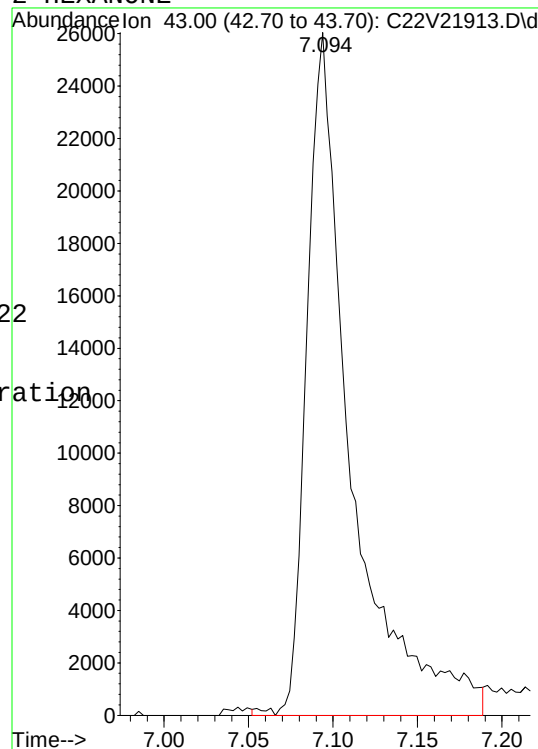
Manual Int. Results

Mon Aug 08 12:21:11 2022

MIuser: EEH
Reason: Incoret Integration
RT : 7.09
Area : 47327
Amount: 15.0889

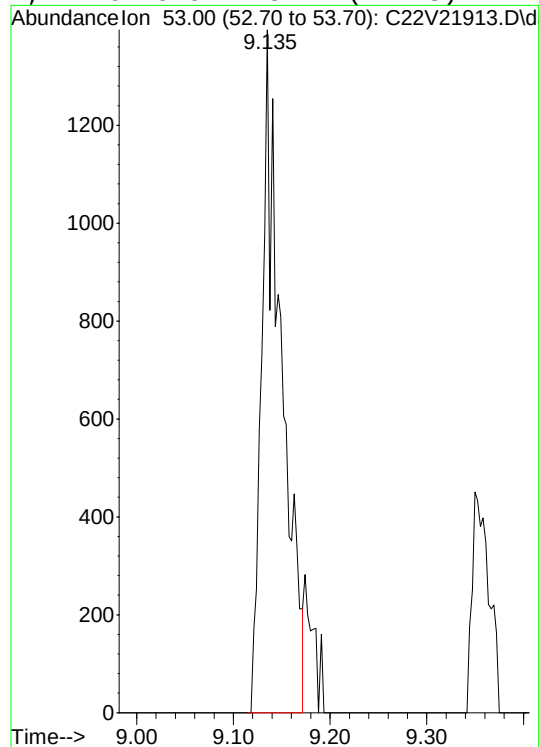
Manual Integration

2-HEXANONE



Original Integration

1,4-DICHLORO-2-BUTENE(TRANS)



Original Int. Results

RT : 9.14
Area : 1965
Amount: 1.91798

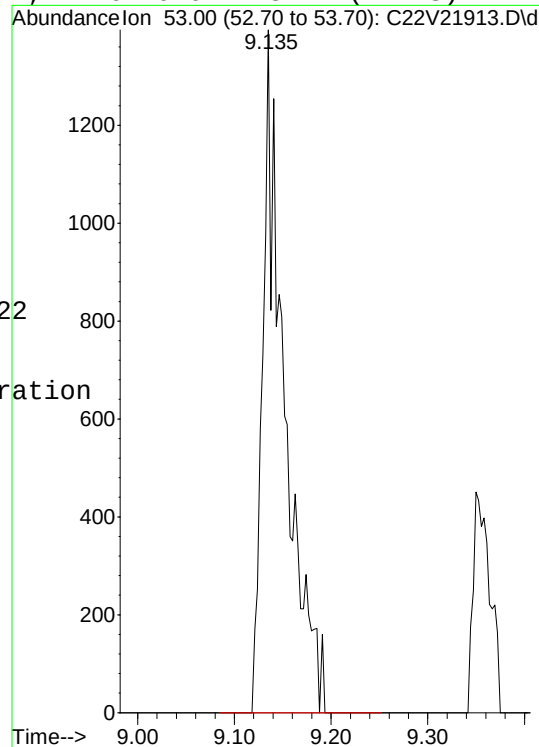
Manual Int. Results

Mon Aug 08 12:21:24 2022

MIuser: EEH
Reason: Incoret Integration
RT : 9.14
Area : 2158
Amount: 2.10636

Manual Integration

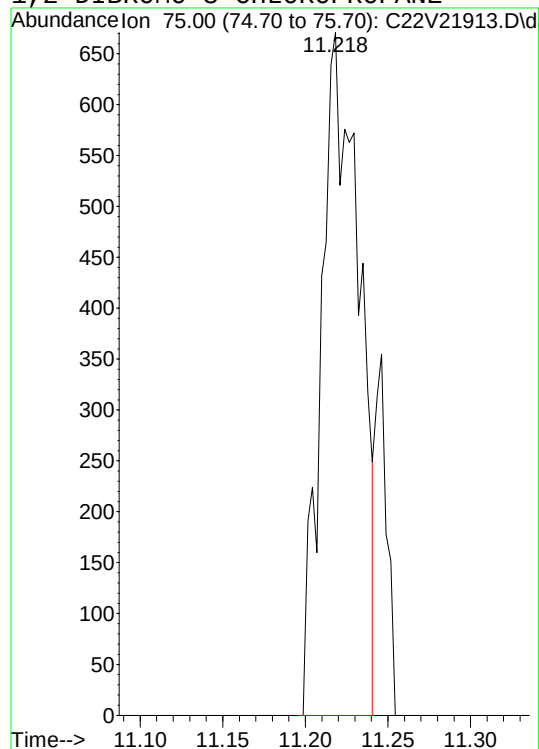
1,4-DICHLORO-2-BUTENE(TRANS)



Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21913.D
Acq On : 8 Aug 2022 11:58 am
Operator :
Sample : 8260STD 2.0PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:21:53 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration
1,2-DIBROMO-3-CHLOROPROPANE



Original Int. Results

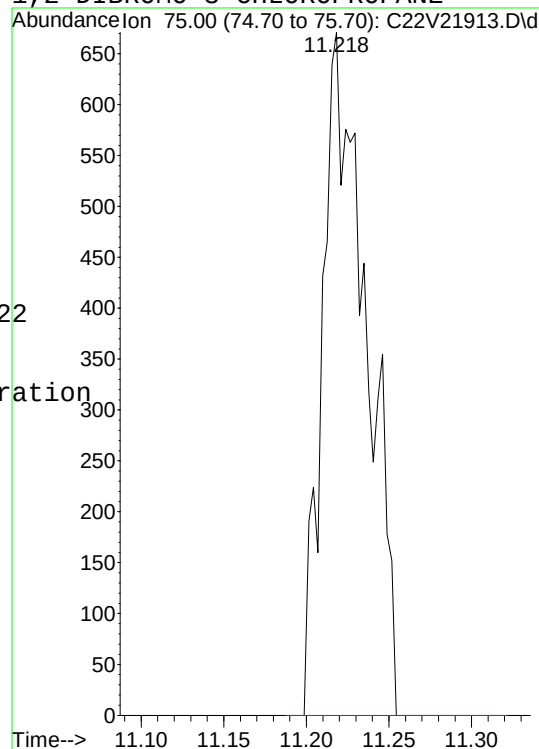
RT : 11.22
Area : 1074
Amount: 1.47451

Manual Int. Results

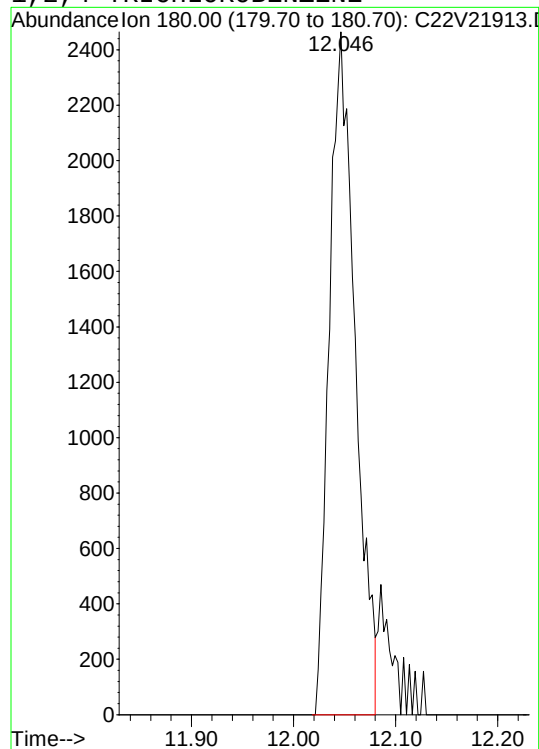
Mon Aug 08 12:21:40 2022

MIuser: EEH
Reason: Incoret Integration
RT : 11.22
Area : 1241
Amount: 1.70379

Manual Integration
1,2-DIBROMO-3-CHLOROPROPANE



Original Integration
1,2,4-TRICHLOROBENZENE



Original Int. Results

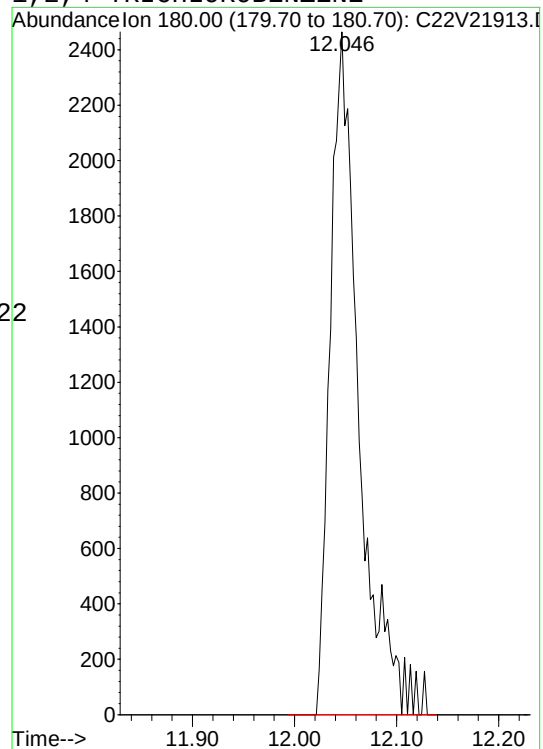
RT : 12.05
Area : 4344
Amount: 1.27594

Manual Int. Results

Mon Aug 08 12:21:45 2022

MIuser: EEH
Reason: Other
RT : 12.05
Area : 4834
Amount: 1.41986

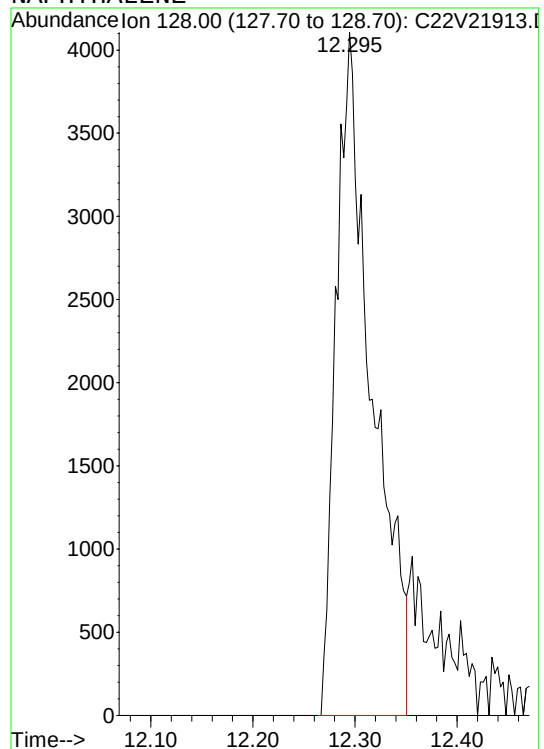
Manual Integration
1,2,4-TRICHLOROBENZENE



Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21913.D
Acq On : 8 Aug 2022 11:58 am
Operator :
Sample : 8260STD 2.0PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:21:53 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration
NAPHTHALENE



Original Int. Results

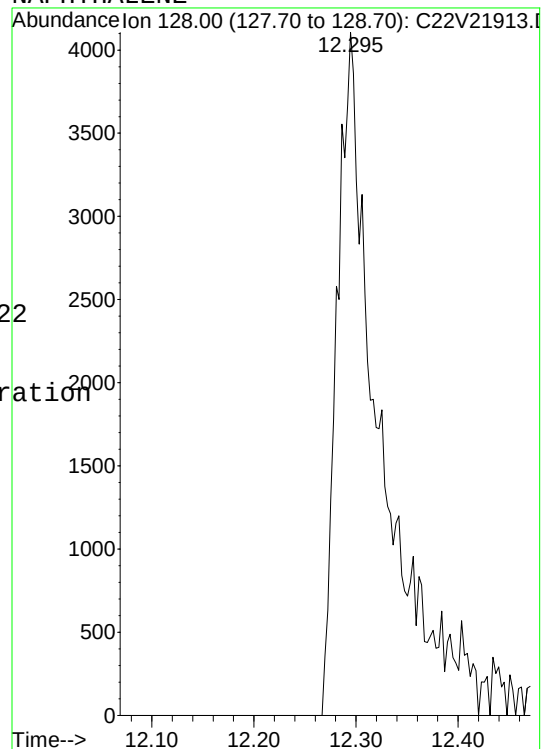
RT : 12.29
Area : 10064
Amount: 0.988884

Manual Int. Results

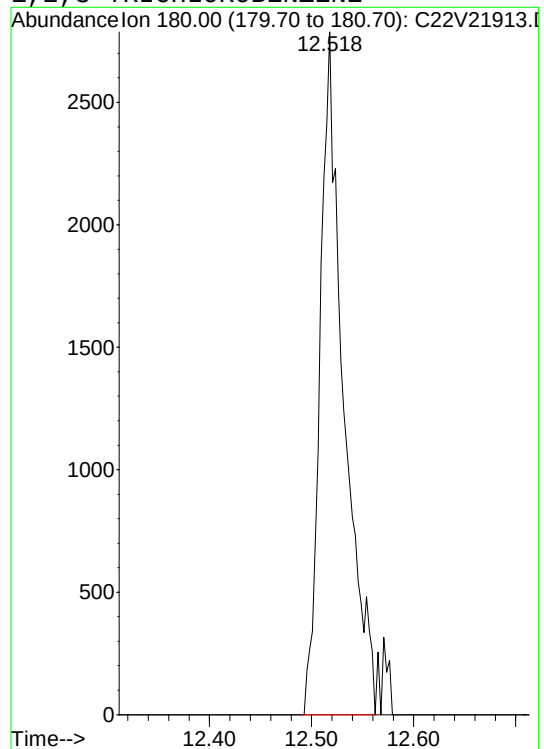
Mon Aug 08 12:21:50 2022

MIuser: EEH
Reason: Incoret Integration
RT : 12.29
Area : 12651
Amount: 1.24308

Manual Integration
NAPHTHALENE



Original Integration
1,2,3-TRICHLOROBENZENE



Original Int. Results

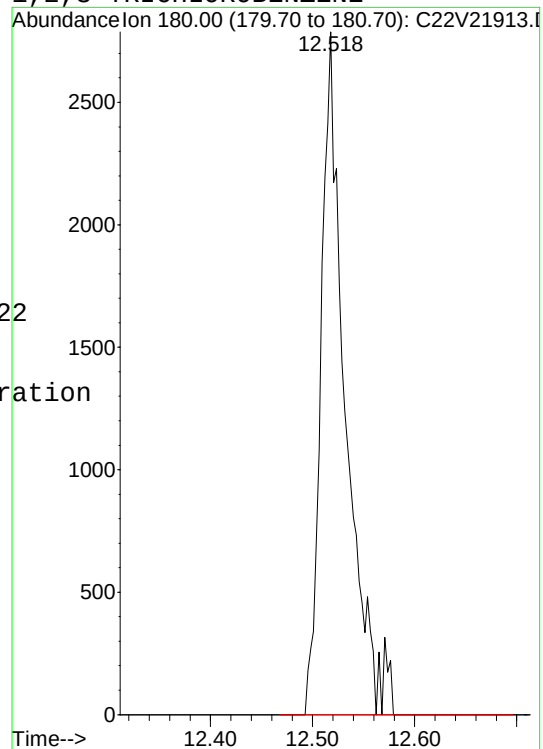
RT : 12.52
Area : 4460
Amount: 1.31891

Manual Int. Results

Mon Aug 08 12:21:53 2022

MIuser: EEH
Reason: Incoret Integration
RT : 12.52
Area : 4622
Amount: 1.36682

Manual Integration
1,2,3-TRICHLOROBENZENE



Data Path : C:\msdchem\1\data\C080822\
 Data File : C22V21914.D
 Acq On : 8 Aug 2022 12:22 pm
 Operator :
 Sample : 8260STD 5.0PPB 2206105
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Inst : GCMSVOA3

Quant Time: Aug 08 13:48:54 2022
 Quant Method : C:\msdchem\1\methods\C051619.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Mon Aug 08 11:15:01 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	4.194	168	195685	30.00	UG/L	0.00
48) 1,4-DIFLUOROBENZENE - ...	4.916	114	289602	30.00	UG/L	0.00
70) CHLOROBENZENE-D5 ISTD	7.749	82	143879	30.00	UG/L	0.00
89) 1,4-DICHLOROBENZENE-D4...	10.047	152	139575	30.00	UG/L	# 0.00
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.467	65	92881	25.23	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	100.92%	
49) TOLUENE SS	6.349	98	288589	24.99	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	99.96%	
71) 4-BROMOFLUOROBENZENE SS	8.909	95	107241	25.13	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	100.52%	
Target Compounds						
					Qvalue	
3) DICHLORODIFLUOROMETHANE	1.087	85	13984	4.38	UG/L	96
4) DIFLUOROCHLOROMETHANE	1.093	51	18551	4.86	UG/L	# 100
5) CHLOROMETHANE	1.196	50	23823	5.60	UG/L	# 26
6) VINYL CHLORIDE	1.263	62	17559	5.16	UG/L	94
7) BROMOMETHANE	1.452	94	9971	5.37	UG/L	99
8) CHLOROETHANE	1.516	64	12070	6.42	UG/L	99
9) FLUORODICHLOROMETHANE	1.636	67	27892	5.42	UG/L	98
10) TRICHLOROFLUOROMETHANE	1.675	101	21049	5.56	UG/L	100
11) ETHANOL	1.798	45	3034	45.49	UG/L	# 88
12) DI ETHYL ETHER	1.862	59	12783	5.29	UG/L	97
13) ACROLEIN	1.957	56	29810	37.02	UG/L	99
14) ACETONE	2.066	43	60047	48.92	UG/L	96
15) 1,1-DICHLOROETHENE	2.024	61	21244	5.61	UG/L	98
16) 1,1,2-TRICL-1,2,2-TRIF...	2.021	101	12671	6.11	UG/L	81
17) IODOMETHANE	2.138	142	160832	51.89	UG/L	98
20) METHYL ACETATE	2.317	43	23425	6.16	UG/L	98
21) T-BUTYL ALCOHOL	2.515	59	22757	48.20	UG/L	# 97
22) ACRYLONITRILE	2.621	53	7594	4.69	UG/L	99
23) METHYLENE CHLORIDE	2.395	49	21884	5.44	UG/L	97
24) CARBON DISULFIDE	2.188	76	424933	58.17	UG/L	99
25) METHYL TERT-BUTYL ETHE...	2.640	73	45825	5.36	UG/L	97
26) TRANS 1,2-DICHLOROETHENE	2.632	61	19381	4.94	UG/L	99
27) 1,1-DICHLOROETHANE	3.045	63	26035	4.96	UG/L	98
28) VINYL ACETATE	3.112	43	445683	44.19	UG/L	99
29) DI ISOPROYL ETHER	3.128	45	51303	4.52	UG/L	96
31) 2-BUTANONE	3.678	43	90607	41.11	UG/L	95
32) T-BUTYL ETHYL ETHER	3.505	59	45419	4.80	UG/L	99
33) CIS-1,2-DICHLOROETHENE	3.639	61	22445	4.91	UG/L	96
34) 2,2-DICHLOROPROPANE	3.633	77	19815	5.04	UG/L	92
35) ETHYL ACETATE	3.756	43	19495	4.38	UG/L	96
38) BROMOCHLOROMETHANE	3.884	49	13878	5.15	UG/L	98
39) TETRAHYDROFURAN	3.945	42	5898	4.48	UG/L	92
40) CHLOROFORM	3.973	83	25415	5.22	UG/L	98
41) 1,1,1-TRICHLOROETHANE	4.146	97	21216	5.45	UG/L	# 84
42) CYCLOHEXANE	4.191	56	23485	5.10	UG/L	89
43) CARBON TETRACHLORIDE	4.302	117	17276	5.30	UG/L	97
44) 1,1-DICHLOROPROPENE	4.311	75	18177	5.04	UG/L	94
45) BENZENE	4.517	78	53508	4.75	UG/L	98
47) T-AMYL METHYL ETHER	4.651	73	43685	5.19	UG/L	96
50) 1,2-DICHLOROETHANE	4.545	62	21482	5.45	UG/L	97
51) TRICHLOROETHANE	5.161	95	13016	5.11	UG/L	97
52) METHYLCYCLOHEXANE	5.340	83	15795	4.53	UG/L	96
53) 1,2-DICHLOROPROPANE	5.384	63	14876	4.87	UG/L	97

Data Path : C:\msdchem\1\data\C080822\
 Data File : C22V21914.D
 Acq On : 8 Aug 2022 12:22 pm
 Operator :
 Sample : 8260STD 5.0PPB 2206105
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Inst : GCMSVOA3

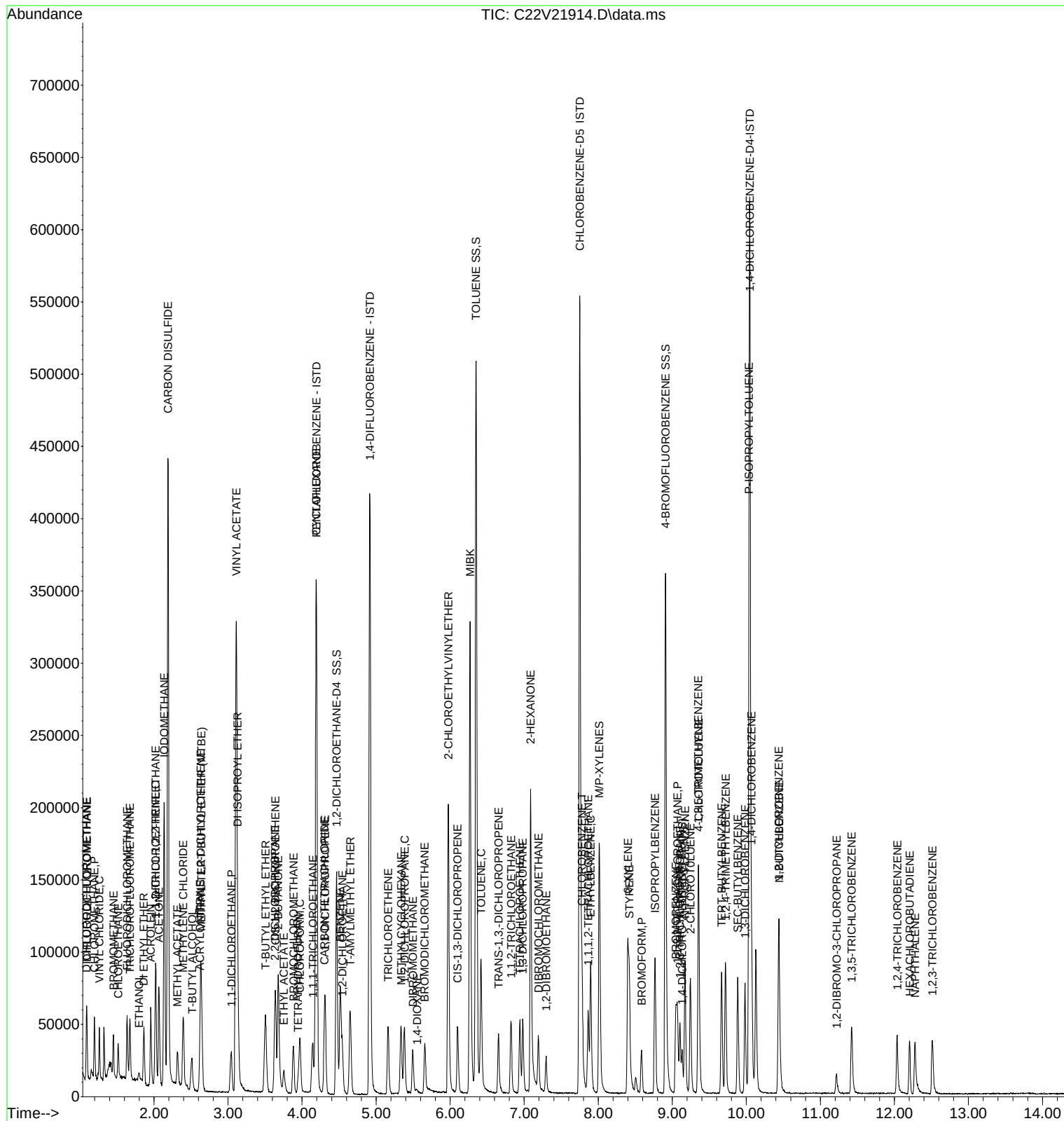
Quant Time: Aug 08 13:48:54 2022
 Quant Method : C:\msdchem\1\methods\C051619.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Mon Aug 08 11:15:01 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
54) DIBROMOMETHANE	5.499	93	9766	5.15	UG/L	93
56) 1,4-DIOXANE	5.552	88	2162m	48.32	UG/L	
57) BROMODICHLOROMETHANE	5.655	83	19440	5.33	UG/L	98
58) 2-CHLOROETHYLVINYLETHER	5.975	63	73710	49.43	UG/L	91
59) MIBK	6.268	43	197206	43.88	UG/L	100
60) CIS-1,3-DICHLOROPROPENE	6.101	75	22415	4.81	UG/L	96
61) TOLUENE	6.419	91	56479	5.05	UG/L	99
62) TRANS-1,3,-DICHLOROPRO...	6.653	75	19923	4.73	UG/L	90
64) 1,1,2-TRICHLOROETHANE	6.823	97	14020	5.32	UG/L	97
65) 2-HEXANONE	7.085	43	136490	42.28	UG/L	98
66) TETRACHLOROETHENE	6.943	166	14258	5.50	UG/L	97
67) 1,3-DICHLOROPROPANE	6.979	76	24401	4.97	UG/L	98
68) DIBROMOCHLOROMETHANE	7.194	129	16098	5.31	UG/L	99
69) 1,2-DIBROMOETHANE	7.297	107	14995	5.10	UG/L	99
72) CHLOROBENZENE	7.780	112	37610	5.30	UG/L	# 90
73) 1,1,1,2-TETRACHLOROETHANE	7.866	131	13977	5.52	UG/L	98
74) ETHYLBENZENE	7.897	91	60931	4.99	UG/L	97
75) M/P-XYLENES	8.014	91	92986	10.05	UG/L	99
76) O-XYLENE	8.402	91	50225	5.27	UG/L	96
77) STYRENE	8.418	104	39862	5.18	UG/L	93
78) BROMOFORM	8.586	173	12459	5.58	UG/L	99
79) ISOPROPYLBENZENE	8.767	105	56951	5.15	UG/L	99
81) 1,1,2,2-TETRACHLOROETHANE	9.071	83	22619	5.37	UG/L	96
82) 1,4-DICHLORO-2-BUTENE(...	9.132	53	5086	4.78	UG/L	# 79
83) BROMOBENZENE	9.049	77	23639	4.66	UG/L	98
84) 1,2,3-TRICHLOROPROPANE	9.104	75	17310	4.92	UG/L	98
85) N-PROPYLBENZENE	9.174	91	63336	4.87	UG/L	97
86) 2-CHLOROTOLUENE	9.244	91	41747	5.06	UG/L	97
87) 1,3,5-TRIMETHYLBENZENE	9.353	105	45912	4.98	UG/L	98
88) 4-CHLOROTOLUENE	9.358	91	45894	4.89	UG/L	100
90) TERT-BUTYLBENZENE	9.668	119	37225	4.94	UG/L	92
91) 1,2,4-TRIMETHYLBENZENE	9.721	105	45329	4.76	UG/L	100
92) SEC-BUTYLBENZENE	9.885	105	49121	4.62	UG/L	98
93) 1,3-DICHLOROBENZENE	9.983	146	27629	5.01	UG/L	98
94) P-ISOPROPYLTOLUENE	10.036	119	43348	4.74	UG/L	98
95) 1,4-DICHLOROBENZENE	10.069	146	30195	5.17	UG/L	# 93
97) N-BUTYLBENZENE	10.443	91	35017	4.25	UG/L	94
98) 1,2-DICHLOROBENZENE	10.437	146	29589	5.32	UG/L	99
99) 1,2-DIBROMO-3-CHLOROPR...	11.218	75	3827m	5.00	UG/L	
100) 1,3,5-TRICHLOROBENZENE	11.422	180	17501	4.61	UG/L	97
101) 1,2,4-TRICHLOROBENZENE	12.038	180	14495m	4.05	UG/L	
102) HEXACHLOROBUTADIENE	12.205	225	6885	5.05	UG/L	100
103) NAPHTHALENE	12.278	128	38473m	3.60	UG/L	
104) 1,2,3-TRICHLOROBENZENE	12.512	180	14777m	4.16	UG/L	

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

295

Quant Time: Aug 08 13:48:54 2022
Quant Method : C:\msdchem\1\methods\C051619.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Mon Aug 08 11:15:01 2022
Response via : Initial Calibration



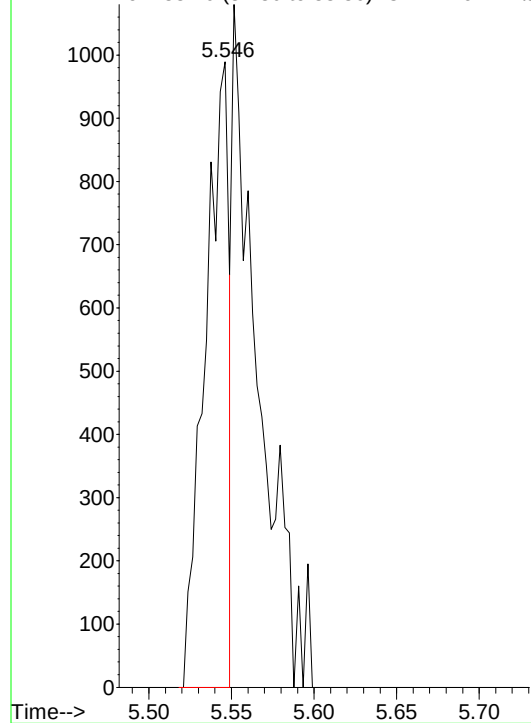
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Data File : C22V21914.D
Acq On : 8 Aug 2022 12:22 pm
Operator :
Sample : 8260STD 5.0PPB 2206105
Misc :

Quant Time : Mon Aug 08 13:48:54 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration

1,4-DIOXANE

Abundance on 88.10 (87.80 to 88.80): C22V21914.D



Original Int. Results

RT : 5.55
Area : 983
Amount: 21.9689

Manual Int. Results

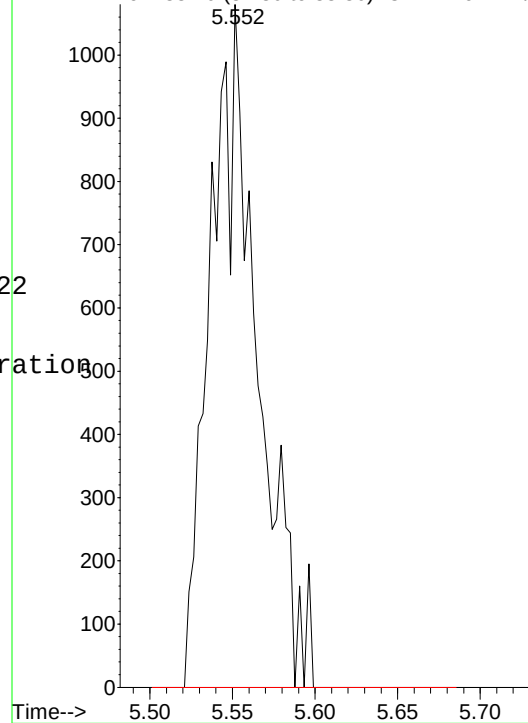
Mon Aug 08 13:48:09 2022

MIuser: EEH
Reason: Incoret Integration
RT : 5.55
Area : 2162
Amount: 48.3181

Manual Integration

1,4-DIOXANE

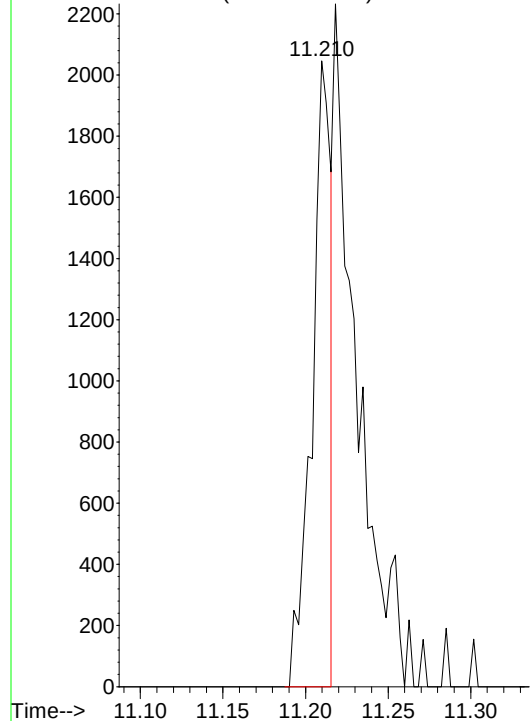
Abundance on 88.10 (87.80 to 88.80): C22V21914.D



Original Integration

1,2-DIBROMO-3-CHLOROPROPANE

Abundance on 75.00 (74.70 to 75.70): C22V21914.D



Original Int. Results

RT : 11.21
Area : 1606
Amount: 2.09844

Manual Int. Results

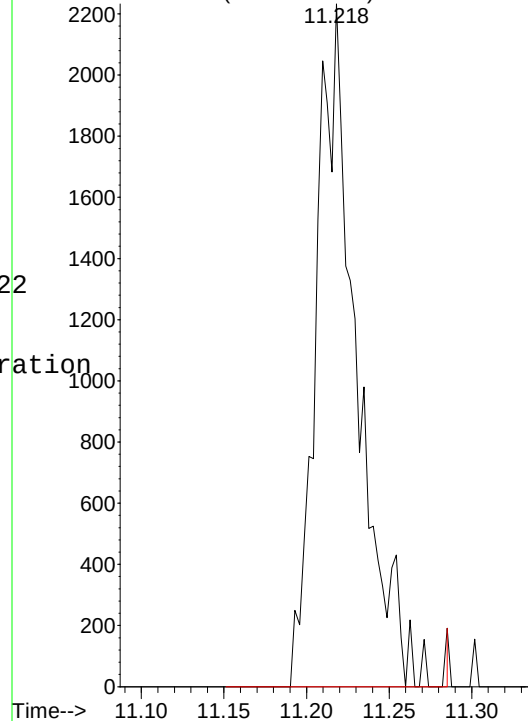
Mon Aug 08 13:48:42 2022

MIuser: EEH
Reason: Incoret Integration
RT : 11.22
Area : 3827
Amount: 5.00046

Manual Integration

1,2-DIBROMO-3-CHLOROPROPANE

Abundance on 75.00 (74.70 to 75.70): C22V21914.D

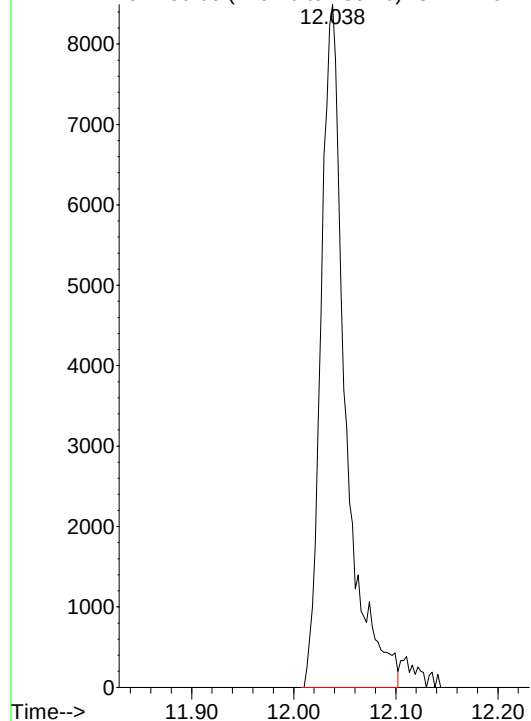


Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21914.D
Acq On : 8 Aug 2022 12:22 pm
Operator :
Sample : 8260STD 5.0PPB 2206105
Misc :

Quant Time : Mon Aug 08 13:48:54 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration
1,2,4-TRICHLOROBENZENE

Abundance Ion 180.00 (179.70 to 180.70): C22V21914.D



Original Int. Results

RT : 12.04
Area : 14024
Amount: 3.92031

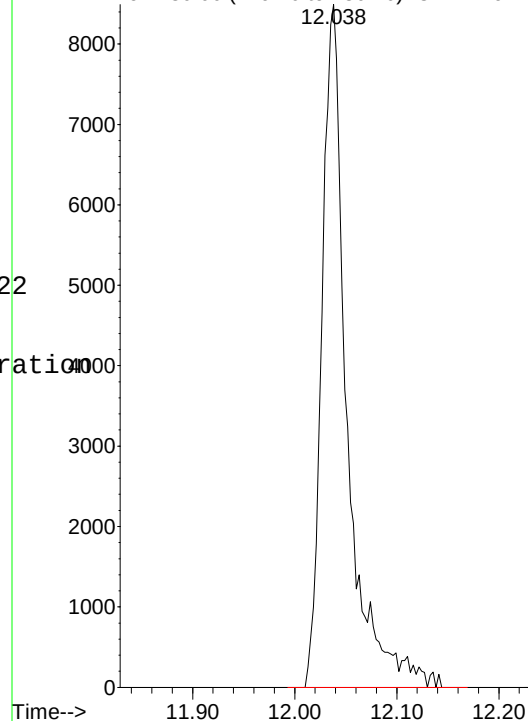
Manual Int. Results

Mon Aug 08 13:48:46 2022

MIuser: EEH
Reason: Incoret Integration
RT : 12.04
Area : 14495
Amount: 4.05197

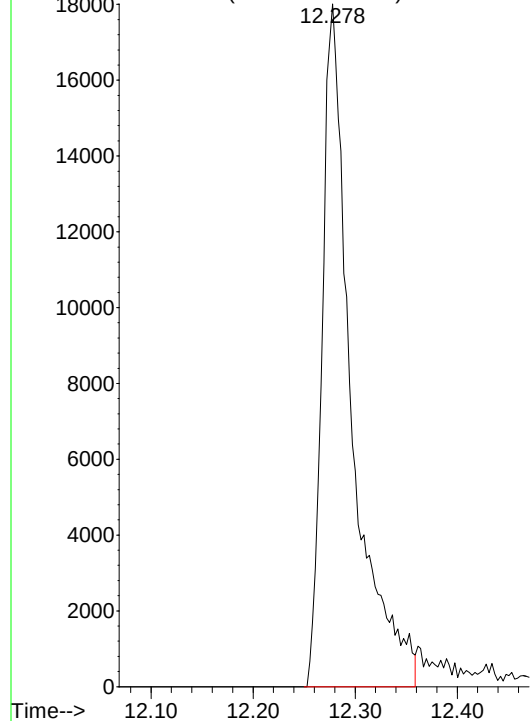
Manual Integration
1,2,4-TRICHLOROBENZENE

Abundance Ion 180.00 (179.70 to 180.70): C22V21914.D



Original Integration
NAPHTHALENE

Abundance Ion 128.00 (127.70 to 128.70): C22V21914.D



Original Int. Results

RT : 12.28
Area : 35921
Amount: 3.35917

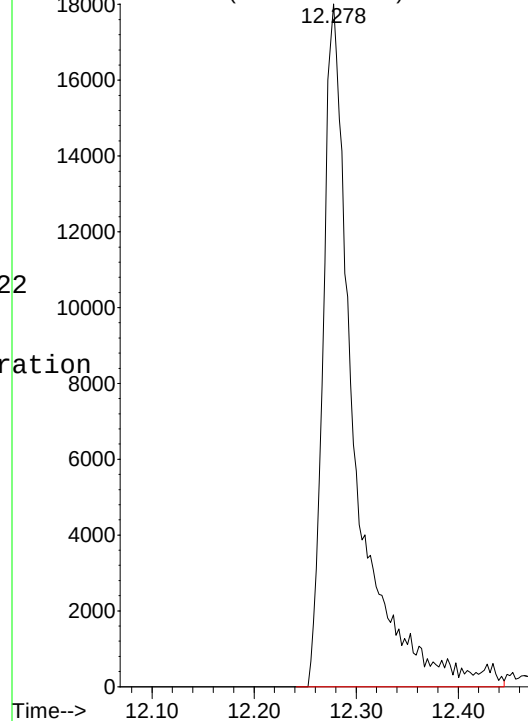
Manual Int. Results

Mon Aug 08 13:48:51 2022

MIuser: EEH
Reason: Incoret Integration
RT : 12.28
Area : 38473
Amount: 3.59782

Manual Integration
NAPHTHALENE

Abundance Ion 128.00 (127.70 to 128.70): C22V21914.D

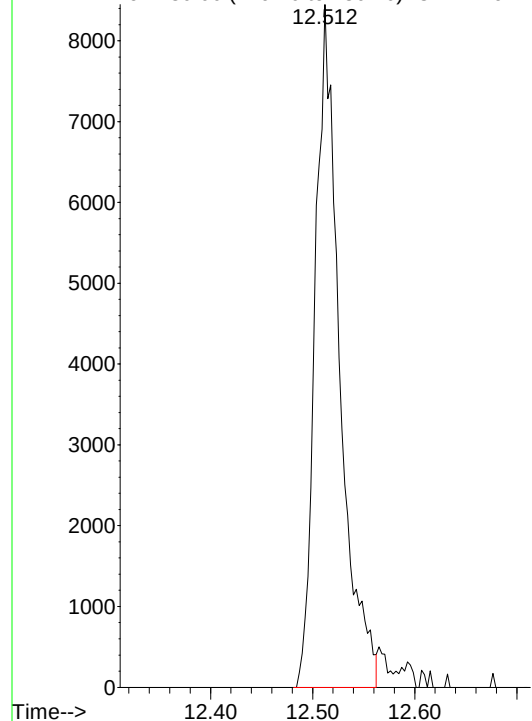


Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21914.D
Acq On : 8 Aug 2022 12:22 pm
Operator :
Sample : 8260STD 5.0PPB 2206105
Misc :

Quant Time : Mon Aug 08 13:48:54 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration
1,2,3-TRICHLOROBENZENE

Abundance on 180.00 (179.70 to 180.70): C22V21914.D



Original Int. Results

RT : 12.51
Area : 14072
Amount: 3.96045

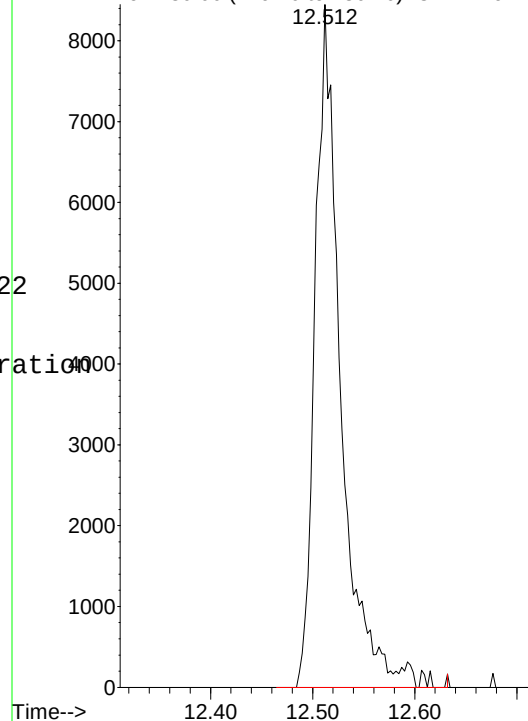
Manual Int. Results

Mon Aug 08 13:48:54 2022

MIuser: EEH
Reason: Incoret Integration
RT : 12.51
Area : 14777
Amount: 4.15886

Manual Integration
1,2,3-TRICHLOROBENZENE

Abundance on 180.00 (179.70 to 180.70): C22V21914.D



Data Path : C:\msdchem\1\data\C080822\
 Data File : C22V21915.D
 Acq On : 8 Aug 2022 12:46 pm
 Operator :
 Sample : 8260STD 10PPB 2206105
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Inst : GCMSVOA3

Quant Time: Aug 08 13:57:12 2022
 Quant Method : C:\msdchem\1\methods\C051619.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Mon Aug 08 11:15:01 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	4.193	168	194546	30.00	UG/L	0.00
48) 1,4-DIFLUOROBENZENE - ...	4.916	114	287477	30.00	UG/L	0.00
70) CHLOROBENZENE-D5 ISTD	7.749	82	141910	30.00	UG/L	0.00
89) 1,4-DICHLOROBENZENE-D4...	10.047	152	139616	30.00	UG/L	# 0.00
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.464	65	92464	25.27	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	101.08%	
49) TOLUENE SS	6.349	98	286087	24.96	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	99.84%	
71) 4-BROMOFLUOROBENZENE SS	8.909	95	103705	24.63	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	98.52%	
Target Compounds						
					Qvalue	
3) DICHLORODIFLUOROMETHANE	1.087	85	28562	9.01	UG/L	98
4) DIFLUOROCHLOROMETHANE	1.092	51	37891	9.99	UG/L	# 100
5) CHLOROMETHANE	1.196	50	41594	9.83	UG/L	# 23
6) VINYL CHLORIDE	1.263	62	34859	10.31	UG/L	96
7) BROMOMETHANE	1.449	94	18466	10.00	UG/L	97
8) CHLOROETHANE	1.514	64	24973	13.36	UG/L	97
9) FLUORODICHLOROMETHANE	1.636	67	56638	11.08	UG/L	99
10) TRICHLOROFLUOROMETHANE	1.675	101	43670	11.60	UG/L	96
11) ETHANOL	1.801	45	6400	96.52	UG/L	# 89
12) DI ETHYL ETHER	1.865	59	25808	10.75	UG/L	96
13) ACROLEIN	1.957	56	61270	76.52	UG/L	99
14) ACETONE	2.066	43	116864	95.77	UG/L	96
15) 1,1-DICHLOROETHENE	2.024	61	43280	11.49	UG/L	98
16) 1,1,2-TRICL-1,2,2-TRIF...	2.024	101	25043	12.15	UG/L	88
17) IODOMETHANE	2.138	142	341243	110.75	UG/L	98
20) METHYL ACETATE	2.317	43	44181	11.69	UG/L	96
21) T-BUTYL ALCOHOL	2.506	59	47742	101.70	UG/L	97
22) ACRYLONITRILE	2.618	53	16274	10.10	UG/L	99
23) METHYLENE CHLORIDE	2.395	49	43860	10.97	UG/L	98
24) CARBON DISULFIDE	2.188	76	868493	119.59	UG/L	99
25) METHYL TERT-BUTYL ETHE...	2.640	73	96457	11.35	UG/L	97
26) TRANS 1,2-DICHLOROETHENE	2.632	61	42551	10.91	UG/L	96
27) 1,1-DICHLOROETHANE	3.039	63	51908	9.94	UG/L	98
28) VINYL ACETATE	3.109	43	919504	91.71	UG/L	99
29) DI ISOPROYL ETHER	3.131	45	104279	9.24	UG/L	95
31) 2-BUTANONE	3.675	43	182208	83.16	UG/L	96
32) T-BUTYL ETHYL ETHER	3.505	59	94331	10.02	UG/L	99
33) CIS-1,2-DICHLOROETHENE	3.639	61	46366	10.21	UG/L	93
34) 2,2-DICHLOROPROPANE	3.636	77	39576	10.12	UG/L	93
35) ETHYL ACETATE	3.750	43	40249	9.09	UG/L	# 92
38) BROMOCHLOROMETHANE	3.884	49	27682	10.33	UG/L	98
39) TETRAHYDROFURAN	3.945	42	12775	9.76	UG/L	92
40) CHLOROFORM	3.970	83	51600	10.66	UG/L	97
41) 1,1,1-TRICHLOROETHANE	4.143	97	43338	11.21	UG/L	94
42) CYCLOHEXANE	4.191	56	43820	9.57	UG/L	94
43) CARBON TETRACHLORIDE	4.305	117	35429	10.93	UG/L	97
44) 1,1-DICHLOROPROPENE	4.311	75	36885	10.29	UG/L	95
45) BENZENE	4.517	78	110524	9.87	UG/L	97
47) T-AMYL METHYL ETHER	4.648	73	87452	10.46	UG/L	97
50) 1,2-DICHLOROETHANE	4.539	62	43168	11.03	UG/L	98
51) TRICHLOROETHENE	5.164	95	27825	11.00	UG/L	93
52) METHYLCYCLOHEXANE	5.337	83	32123	9.28	UG/L	95
53) 1,2-DICHLOROPROPANE	5.381	63	30483	10.06	UG/L	# 98

Data Path : C:\msdchem\1\data\C080822\
 Data File : C22V21915.D
 Acq On : 8 Aug 2022 12:46 pm
 Operator :
 Sample : 8260STD 10PPB 2206105
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Inst : GCMSVOA3

Quant Time: Aug 08 13:57:12 2022
 Quant Method : C:\msdchem\1\methods\C051619.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Mon Aug 08 11:15:01 2022
 Response via : Initial Calibration

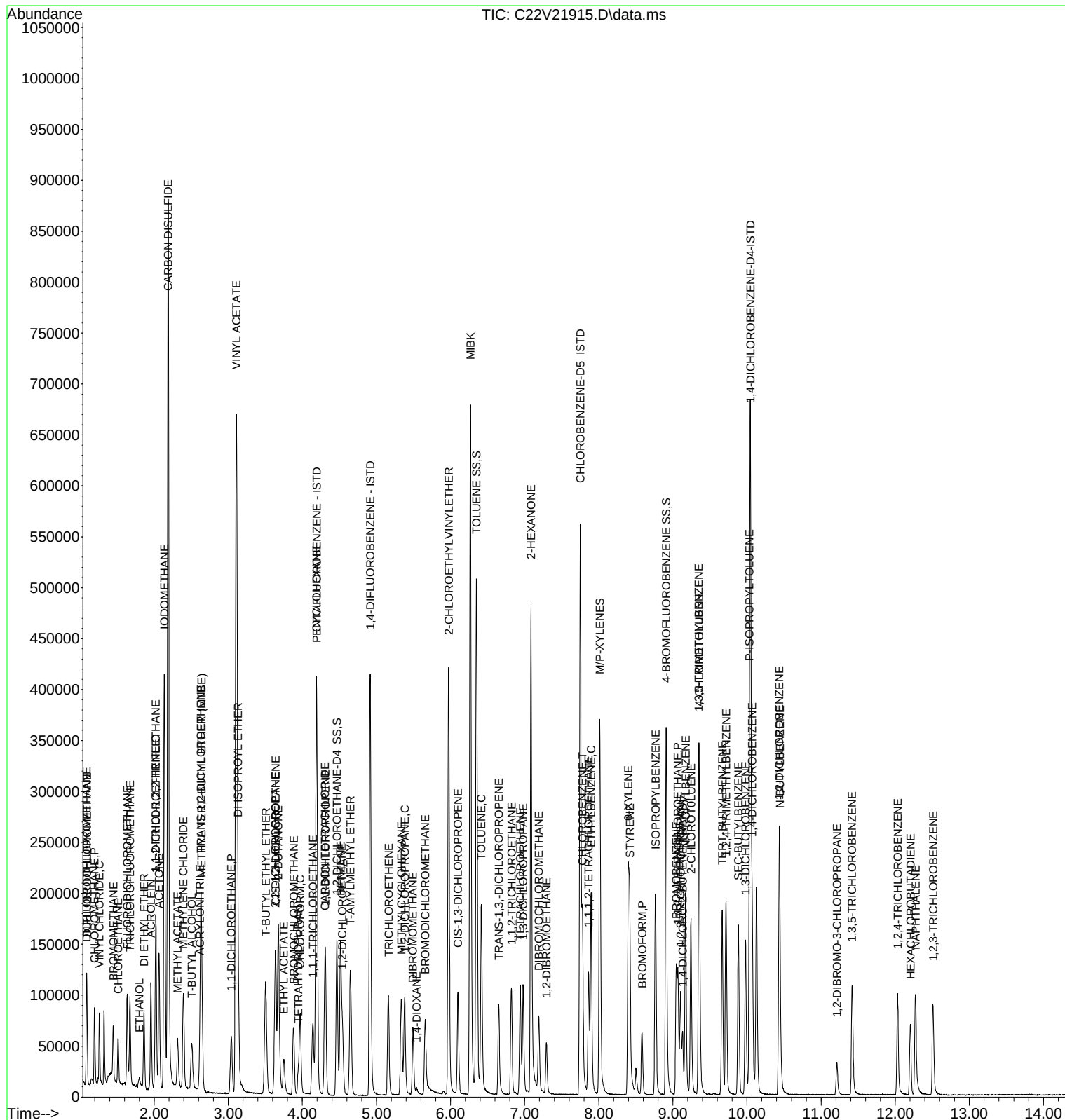
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
54) DIBROMOMETHANE	5.493	93	20571	10.94	UG/L	93
56) 1,4-DIOXANE	5.540	88	4230	95.23	UG/L #	75
57) BROMODICHLOROMETHANE	5.657	83	39854	11.00	UG/L	97
58) 2-CHLOROETHYLVINYLETHER	5.975	63	151076	102.07	UG/L	89
59) MIBK	6.268	43	406948	91.21	UG/L	100
60) CIS-1,3-DICHLOROPROPENE	6.101	75	46895	10.15	UG/L	97
61) TOLUENE	6.416	91	116091	10.45	UG/L	98
62) TRANS-1,3,-DICHLOROPRO...	6.650	75	41106	9.84	UG/L	94
64) 1,1,2-TRICHLOROETHANE	6.823	97	27847	10.65	UG/L	94
65) 2-HEXANONE	7.085	43	285391	89.06	UG/L	98
66) TETRACHLOROETHENE	6.940	166	28554	11.10	UG/L	98
67) 1,3-DICHLOROPROPANE	6.979	76	50659	10.39	UG/L	98
68) DIBROMOCHLOROMETHANE	7.188	129	33122	11.01	UG/L	99
69) 1,2-DIBROMOETHANE	7.292	107	30712	10.52	UG/L	98
72) CHLOROBENZENE	7.780	112	77992	11.15	UG/L	93
73) 1,1,1,2-TETRACHLOROETHANE	7.863	131	28567	11.44	UG/L	97
74) ETHYLBENZENE	7.897	91	127905	10.62	UG/L	95
75) M/P-XYLENES	8.014	91	195507	21.42	UG/L	97
76) O-XYLENE	8.399	91	105354	11.21	UG/L	95
77) STYRENE	8.418	104	85527	11.28	UG/L	98
78) BROMOFORM	8.586	173	25083	11.39	UG/L	100
79) ISOPROPYLBENZENE	8.767	105	119078	10.92	UG/L	97
81) 1,1,2,2-TETRACHLOROETHANE	9.068	83	45663	10.99	UG/L	96
82) 1,4-DICHLORO-2-BUTENE(...	9.132	53	10659	10.16	UG/L #	84
83) BROMOBENZENE	9.046	77	49353	9.87	UG/L	97
84) 1,2,3-TRICHLOROPROPANE	9.104	75	33249	9.58	UG/L	99
85) N-PROPYLBENZENE	9.171	91	132248	10.31	UG/L	97
86) 2-CHLOROTOLUENE	9.244	91	87309	10.73	UG/L	96
87) 1,3,5-TRIMETHYLBENZENE	9.350	105	96819	10.64	UG/L	95
88) 4-CHLOROTOLUENE	9.355	91	96583	10.43	UG/L	97
90) TERT-BUTYLBENZENE	9.665	119	76927	10.21	UG/L	95
91) 1,2,4-TRIMETHYLBENZENE	9.718	105	97091	10.20	UG/L	96
92) SEC-BUTYLBENZENE	9.885	105	105295	9.91	UG/L	97
93) 1,3-DICHLOROBENZENE	9.980	146	59048	10.71	UG/L	99
94) P-ISOPROPYLTOLUENE	10.033	119	87677	9.58	UG/L	97
95) 1,4-DICHLOROBENZENE	10.069	146	58875	10.07	UG/L #	92
97) N-BUTYLBENZENE	10.443	91	74590	9.06	UG/L	97
98) 1,2-DICHLOROBENZENE	10.434	146	59874	10.76	UG/L	98
99) 1,2-DIBROMO-3-CHLOROPR...	11.212	75	7618	9.95	UG/L	90
100) 1,3,5-TRICHLOROBENZENE	11.416	180	35449	9.33	UG/L	96
101) 1,2,4-TRICHLOROBENZENE	12.032	180	31206	8.72	UG/L	98
102) HEXACHLOROBUTADIENE	12.205	225	14173	10.40	UG/L	98
103) NAPHTHALENE	12.275	128	86722m	8.11	UG/L	
104) 1,2,3-TRICHLOROBENZENE	12.512	180	29849	8.40	UG/L	98

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

301

Inst : GCMSV0A3

Quant Time: Aug 08 13:57:12 2022
Quant Method : C:\msdchem\1\methods\C051619.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Mon Aug 08 11:15:01 2022
Response via : Initial Calibration



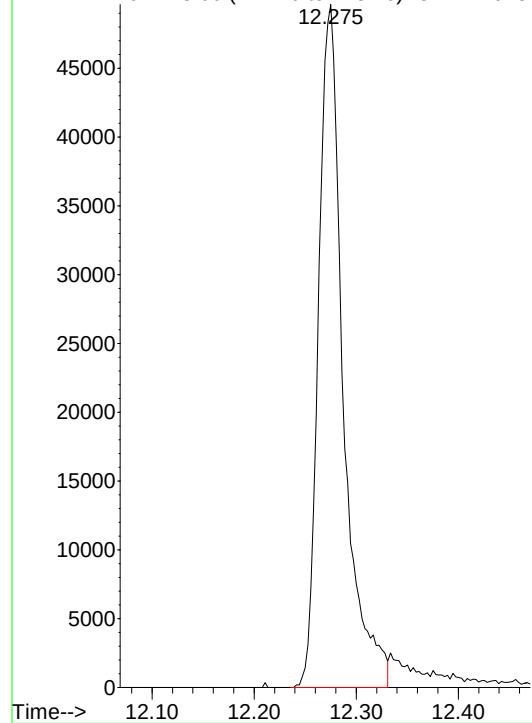
Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21915.D
Acq On : 8 Aug 2022 12:46 pm
Operator :
Sample : 8260STD 10PPB 2206105
Misc :

Quant Time : Mon Aug 08 13:57:12 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration

NAPHTHALENE

Abundance on 128.00 (127.70 to 128.70): C22V21915.D



Original Int. Results

RT : 12.27
Area : 83237
Amount: 7.78165

Manual Int. Results

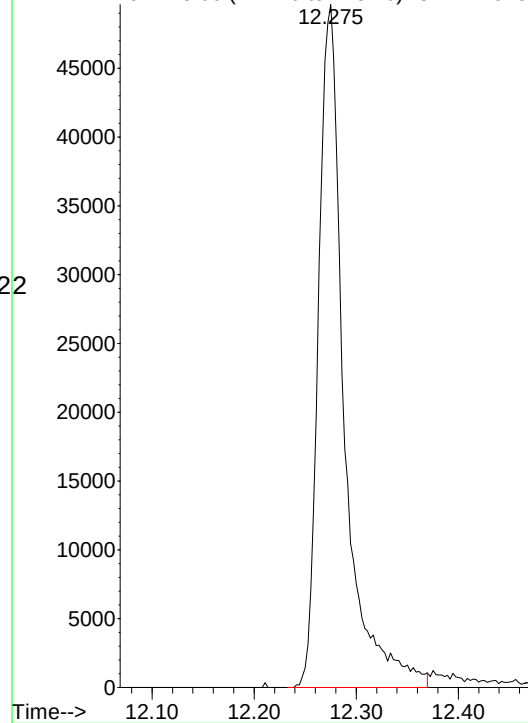
Mon Aug 08 13:57:12 2022

MIuser: EEH
Reason: Other
RT : 12.27
Area : 86722
Amount: 8.10746

Manual Integration

NAPHTHALENE

Abundance on 128.00 (127.70 to 128.70): C22V21915.D



Data Path : C:\msdchem\1\data\C080822\
 Data File : C22V21916.D
 Acq On : 8 Aug 2022 1:10 pm
 Operator :
 Sample : 8260STD 20PPB 2206105
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Inst : GCMSVOA3

Quant Time: Aug 08 13:58:31 2022
 Quant Method : C:\msdchem\1\methods\C051619.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Mon Aug 08 11:15:01 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	4.191	168	195836	30.00	UG/L	0.00
48) 1,4-DIFLUOROBENZENE - ...	4.913	114	287993	30.00	UG/L	0.00
70) CHLOROBENZENE-D5 ISTD	7.749	82	143489	30.00	UG/L	0.00
89) 1,4-DICHLOROBENZENE-D4...	10.044	152	143997	30.00	UG/L	# 0.00
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.464	65	91558	24.85	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	99.40%	
49) TOLUENE SS	6.349	98	287646	25.05	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	100.20%	
71) 4-BROMOFLUOROBENZENE SS	8.909	95	106568	25.04	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	100.16%	
Target Compounds						
3) DICHLORODIFLUOROMETHANE	1.087	85	61712	19.33	UG/L	Qvalue 97
4) DIFLUOROCHLOROMETHANE	1.090	51	80187	21.01	UG/L	# 100
5) CHLOROMETHANE	1.193	50	80145m	18.81	UG/L	
6) VINYL CHLORIDE	1.260	62	74108	21.77	UG/L	99
7) BROMOMETHANE	1.444	94	31294	16.84	UG/L	100
8) CHLOROETHANE	1.508	64	47814	25.42	UG/L	99
9) FLUORODICHLOROMETHANE	1.634	67	116251	22.59	UG/L	99
10) TRICHLOROFLUOROMETHANE	1.670	101	91116	24.05	UG/L	97
11) ETHANOL	1.806	45	13423	201.11	UG/L	# 88
12) DI ETHYL ETHER	1.862	59	52801	21.85	UG/L	96
13) ACROLEIN	1.957	56	127908	158.70	UG/L	99
14) ACETONE	2.066	43	236323	192.39	UG/L	95
15) 1,1-DICHLOROETHENE	2.021	61	90527	23.88	UG/L	99
16) 1,1,2-TRICL-1,2,2-TRIF...	2.016	101	52777	25.43	UG/L	86
17) IODOMETHANE	2.135	142	754312	243.19	UG/L	98
20) METHYL ACETATE	2.317	43	90747	23.85	UG/L	96
21) T-BUTYL ALCOHOL	2.512	59	97826	207.02	UG/L	# 95
22) ACRYLONITRILE	2.615	53	30366	18.73	UG/L	98
23) METHYLENE CHLORIDE	2.392	49	89226	22.17	UG/L	97
24) CARBON DISULFIDE	2.188	76	1810004	247.60	UG/L	100
25) METHYL TERT-BUTYL ETHE...	2.637	73	190841	22.31	UG/L	96
26) TRANS 1,2-DICHLOROETHENE	2.629	61	82216	20.95	UG/L	96
27) 1,1-DICHLOROETHANE	3.039	63	107655	20.49	UG/L	99
28) VINYL ACETATE	3.109	43	1903493	188.61	UG/L	99
29) DI ISOPROYL ETHER	3.125	45	217067	19.10	UG/L	96
31) 2-BUTANONE	3.675	43	377890	171.34	UG/L	97
32) T-BUTYL ETHYL ETHER	3.502	59	192968	20.37	UG/L	99
33) CIS-1,2-DICHLOROETHENE	3.639	61	95923	20.98	UG/L	92
34) 2,2-DICHLOROPROPANE	3.630	77	80827	20.53	UG/L	90
35) ETHYL ACETATE	3.747	43	79977	17.95	UG/L	99
38) BROMOCHLOROMETHANE	3.881	49	56866	21.09	UG/L	99
39) TETRAHYDROFURAN	3.940	42	24950	18.94	UG/L	# 89
40) CHLOROFORM	3.968	83	105207	21.60	UG/L	97
41) 1,1,1-TRICHLOROETHANE	4.140	97	88067	22.62	UG/L	97
42) CYCLOHEXANE	4.188	56	89795	19.48	UG/L	96
43) CARBON TETRACHLORIDE	4.305	117	74338	22.79	UG/L	97
44) 1,1-DICHLOROPROPENE	4.308	75	77219	21.40	UG/L	94
45) BENZENE	4.514	78	228669	20.30	UG/L	99
47) T-AMYL METHYL ETHER	4.648	73	185177	22.00	UG/L	95
50) 1,2-DICHLOROETHANE	4.539	62	88085	22.46	UG/L	98
51) TRICHLOROETHANE	5.158	95	57026	22.50	UG/L	94
52) METHYLCYCLOHEXANE	5.334	83	69608	20.07	UG/L	94
53) 1,2-DICHLOROPROPANE	5.379	63	61299	20.19	UG/L	98

Data Path : C:\msdchem\1\data\C080822\
 Data File : C22V21916.D
 Acq On : 8 Aug 2022 1:10 pm
 Operator :
 Sample : 8260STD 20PPB 2206105
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Inst : GCMSVOA3

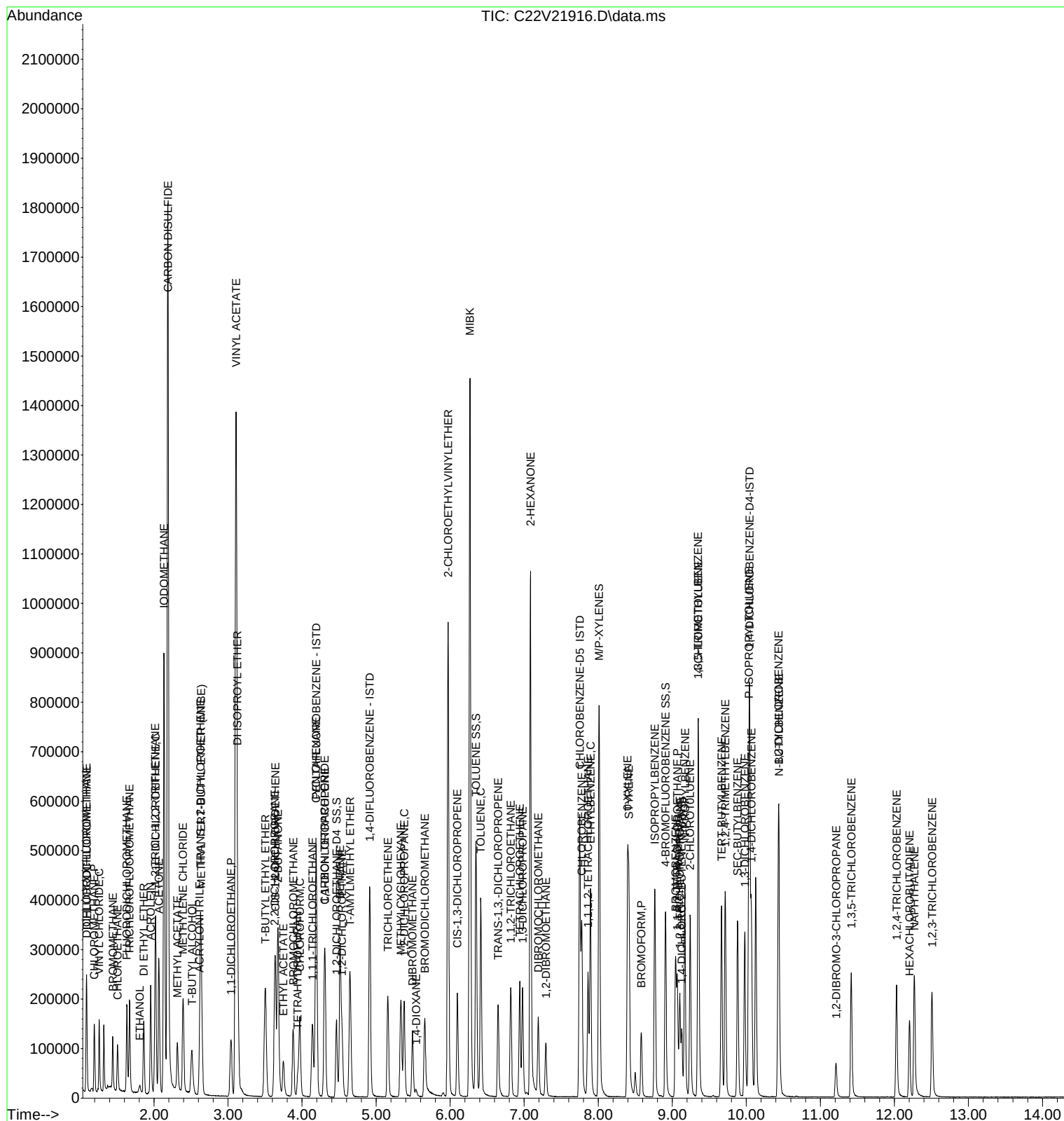
Quant Time: Aug 08 13:58:31 2022
 Quant Method : C:\msdchem\1\methods\C051619.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Mon Aug 08 11:15:01 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
54) DIBROMOMETHANE	5.490	93	41749	22.16	UG/L	94
56) 1,4-DIOXANE	5.540	88	9614	216.06	UG/L #	82
57) BROMODICHLOROMETHANE	5.657	83	82091	22.62	UG/L	97
58) 2-CHLOROETHYLVINYLETHER	5.973	63	332617	224.32	UG/L	90
59) MIBK	6.265	43	856013	191.52	UG/L	99
60) CIS-1,3-DICHLOROPROPENE	6.098	75	97267	21.01	UG/L	95
61) TOLUENE	6.413	91	242651	21.80	UG/L	98
62) TRANS-1,3,-DICHLOROPRO...	6.647	75	85947	20.53	UG/L	94
64) 1,1,2-TRICHLOROETHANE	6.818	97	57873	22.09	UG/L	95
65) 2-HEXANONE	7.085	43	605554	188.63	UG/L	98
66) TETRACHLOROETHENE	6.940	166	58783	22.81	UG/L	98
67) 1,3-DICHLOROPROPANE	6.977	76	104223	21.34	UG/L	100
68) DIBROMOCHLOROMETHANE	7.191	129	68797	22.83	UG/L	98
69) 1,2-DIBROMOETHANE	7.292	107	64672	22.11	UG/L	99
72) CHLOROBENZENE	7.777	112	161032	22.77	UG/L	94
73) 1,1,1,2-TETRACHLOROETHANE	7.863	131	60574	23.98	UG/L	98
74) ETHYLBENZENE	7.894	91	264146	21.69	UG/L	96
75) M/P-XYLENES	8.011	91	408236	44.24	UG/L	98
76) O-XYLENE	8.396	91	218376	22.97	UG/L	96
77) STYRENE	8.413	104	178714	23.30	UG/L	97
78) BROMOFORM	8.580	173	54064	24.28	UG/L	99
79) ISOPROPYLBENZENE	8.764	105	247208	22.41	UG/L	97
81) 1,1,2,2-TETRACHLOROETHANE	9.068	83	95789	22.81	UG/L	96
82) 1,4-DICHLORO-2-BUTENE(...	9.127	53	22857m	21.55	UG/L	
83) BROMOBENZENE	9.046	77	105392	20.85	UG/L	96
84) 1,2,3-TRICHLOROPROPANE	9.101	75	71178	20.29	UG/L	100
85) N-PROPYLBENZENE	9.171	91	279616	21.57	UG/L	98
86) 2-CHLOROTOLUENE	9.241	91	179667	21.83	UG/L	98
87) 1,3,5-TRIMETHYLBENZENE	9.350	105	200925	21.84	UG/L	98
88) 4-CHLOROTOLUENE	9.352	91	207622	22.17	UG/L	98
90) TERT-BUTYLBENZENE	9.665	119	165628	21.32	UG/L	96
91) 1,2,4-TRIMETHYLBENZENE	9.715	105	200714	20.45	UG/L	98
92) SEC-BUTYLBENZENE	9.882	105	222301	20.28	UG/L	96
93) 1,3-DICHLOROBENZENE	9.980	146	124228	21.84	UG/L	99
94) P-ISOPROPYLTOLUENE	10.036	119	189553	20.08	UG/L	99
95) 1,4-DICHLOROBENZENE	10.069	146	128569	21.32	UG/L	97
97) N-BUTYLBENZENE	10.440	91	164886	19.41	UG/L	95
98) 1,2-DICHLOROBENZENE	10.434	146	127390	22.20	UG/L	99
99) 1,2-DIBROMO-3-CHLOROPR...	11.212	75	16396	20.77	UG/L	92
100) 1,3,5-TRICHLOROBENZENE	11.419	180	77936	19.89	UG/L	99
101) 1,2,4-TRICHLOROBENZENE	12.030	180	68945	18.68	UG/L	99
102) HEXACHLOROBUTADIENE	12.202	225	30170	21.47	UG/L	95
103) NAPHTHALENE	12.269	128	197905	17.94	UG/L	99
104) 1,2,3-TRICHLOROBENZENE	12.509	180	66701	18.20	UG/L	100

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

305

Quant Time: Aug 08 13:58:31 2022
Quant Method : C:\msdchem\1\methods\C051619.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Mon Aug 08 11:15:01 2022
Response via : Initial Calibration

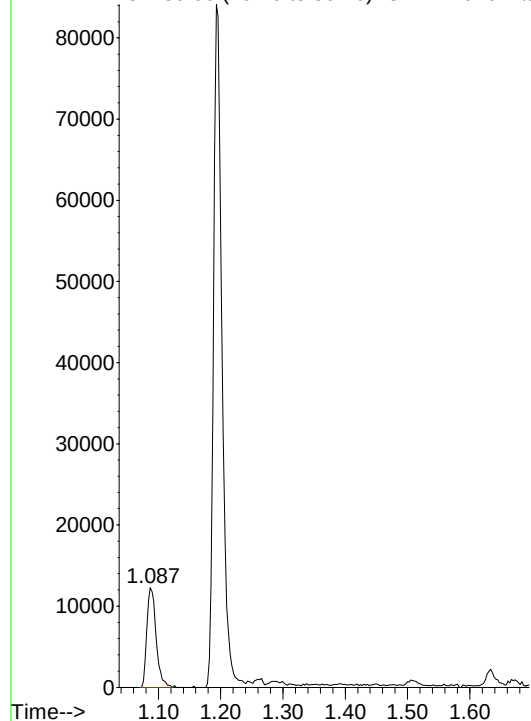


Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21916.D
Acq On : 8 Aug 2022 1:10 pm
Operator :
Sample : 8260STD 20PPB 2206105
Misc :

Quant Time : Mon Aug 08 13:58:31 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration
CHLOROMETHANE

Abundance on 50.00 (49.70 to 50.70): C22V21916.D



Original Int. Results

RT : 1.09
Area : 12609
Amount: 2.96009

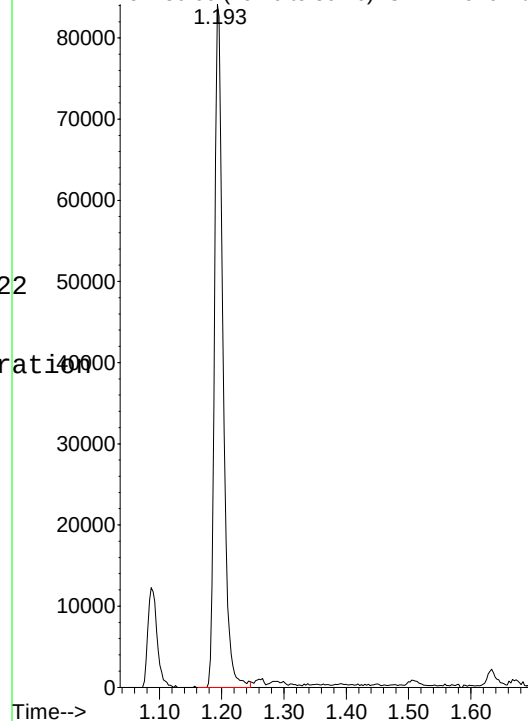
Manual Int. Results

Mon Aug 08 13:57:39 2022

MIuser: EEH
Reason: Incoret Integration
RT : 1.19
Area : 80145
Amount: 18.8148

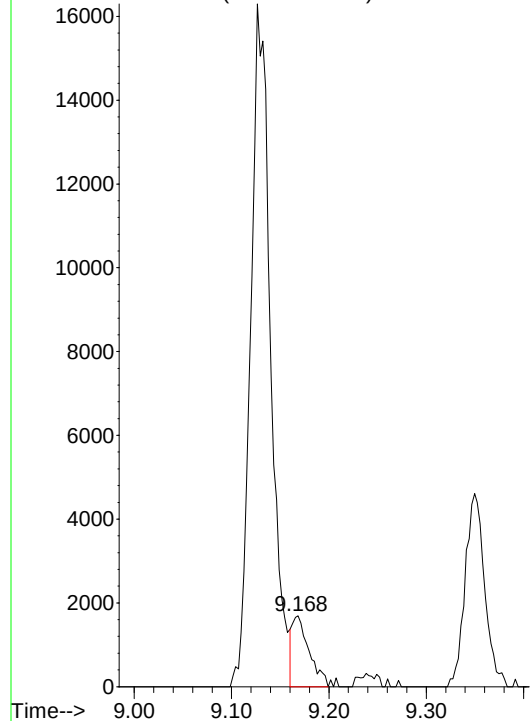
Manual Integration
CHLOROMETHANE

Abundance on 50.00 (49.70 to 50.70): C22V21916.D



Original Integration
1,4-DICHLORO-2-BUTENE (TRANS)

Abundance on 53.00 (52.70 to 53.70): C22V21916.D



Original Int. Results

RT : 9.17
Area : 2015
Amount: 1.89949

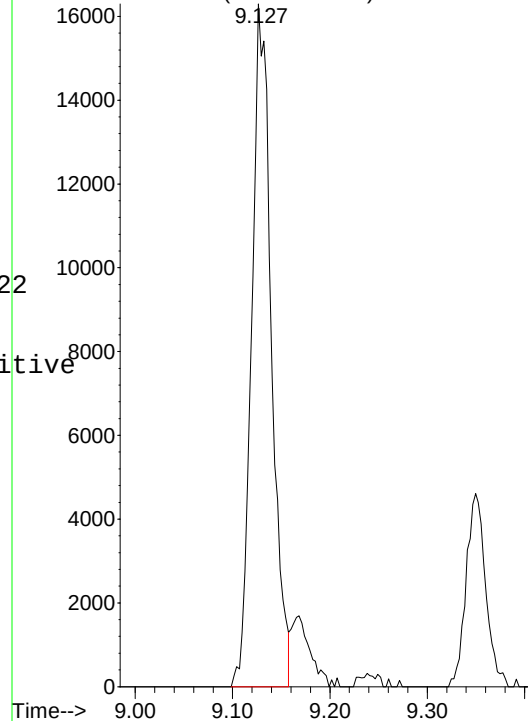
Manual Int. Results

Mon Aug 08 13:58:31 2022

MIuser: EEH
Reason: Qdel False Positive
RT : 9.13
Area : 22857
Amount: 21.5468

Manual Integration
1,4-DICHLORO-2-BUTENE (TRANS)

Abundance on 53.00 (52.70 to 53.70): C22V21916.D



Data Path : C:\msdchem\1\data\C080822\
 Data File : C22V21917.D
 Acq On : 8 Aug 2022 1:34 pm
 Operator :
 Sample : 8260STD 50PPB 2206105
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Inst : GCMSVOA3

Quant Time: Aug 08 13:59:14 2022
 Quant Method : C:\msdchem\1\methods\C051619.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Mon Aug 08 11:15:01 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	4.194	168	201796	30.00	UG/L	0.00
48) 1,4-DIFLUOROBENZENE - ...	4.913	114	294674	30.00	UG/L	0.00
70) CHLOROBENZENE-D5 ISTD	7.749	82	144633	30.00	UG/L	0.00
89) 1,4-DICHLOROBENZENE-D4...	10.047	152	147961	30.00	UG/L	# 0.00
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.467	65	92898	24.47	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	97.88%	
49) TOLUENE SS	6.349	98	292550	24.90	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	99.60%	
71) 4-BROMOFLUOROBENZENE SS	8.906	95	107794	25.12	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	100.48%	
Target Compounds						
3) DICHLORODIFLUOROMETHANE	1.087	85	158748	48.26	UG/L	98
4) DIFLUOROCHLOROMETHANE	1.093	51	204705	52.06	UG/L	# 100
5) CHLOROMETHANE	1.196	50	196280m	44.72	UG/L	
6) VINYL CHLORIDE	1.263	62	188629	53.77	UG/L	98
7) BROMOMETHANE	1.447	94	118366	61.81	UG/L	98
8) CHLOROETHANE	1.514	64	120246	62.04	UG/L	97
9) FLUORODICHLOROMETHANE	1.636	67	293433	55.33	UG/L	99
10) TRICHLOROFLUOROMETHANE	1.675	101	231180	59.21	UG/L	97
12) DI ETHYL ETHER	1.862	59	134514	54.01	UG/L	97
13) ACROLEIN	1.957	56	321982	387.70	UG/L	99
14) ACETONE	2.066	43	601292	475.06	UG/L	95
15) 1,1-DICHLOROETHENE	2.024	61	231407	59.25	UG/L	99
16) 1,1,2-TRICL-1,2,2-TRIF...	2.021	101	134597	62.93	UG/L	87
17) IODOMETHANE	2.138	142	2081642	651.30	UG/L	98
20) METHYL ACETATE	2.317	43	225054	57.41	UG/L	97
21) T-BUTYL ALCOHOL	2.504	59	255906	525.56	UG/L	# 94
22) ACRYLONITRILE	2.618	53	83067	49.71	UG/L	97
23) METHYLENE CHLORIDE	2.395	49	222123	53.57	UG/L	96
24) CARBON DISULFIDE	2.191	76	4616921	612.91	UG/L	100
25) METHYL TERT-BUTYL ETHE...	2.637	73	516462	58.59	UG/L	97
26) TRANS 1,2-DICHLOROETHENE	2.632	61	222296	54.96	UG/L	95
27) 1,1-DICHLOROETHANE	3.042	63	280215	51.75	UG/L	99
28) VINYL ACETATE	3.109	43	4991159	479.95	UG/L	98
29) DI ISOPROYL ETHER	3.125	45	565400	48.27	UG/L	96
31) 2-BUTANONE	3.672	43	1005897	442.62	UG/L	96
32) T-BUTYL ETHYL ETHER	3.505	59	505980	51.83	UG/L	99
33) CIS-1,2-DICHLOROETHENE	3.639	61	250728	53.22	UG/L	92
34) 2,2-DICHLOROPROPANE	3.636	77	226185	55.76	UG/L	90
35) ETHYL ACETATE	3.745	43	215889	47.02	UG/L	99
38) BROMOCHLOROMETHANE	3.878	49	138430	49.82	UG/L	98
39) TETRAHYDROFURAN	3.940	42	67250	49.56	UG/L	90
40) CHLOROFORM	3.970	83	273189	54.42	UG/L	97
41) 1,1,1-TRICHLOROETHANE	4.141	97	228007	56.85	UG/L	96
42) CYCLOHEXANE	4.191	56	224239	47.22	UG/L	94
43) CARBON TETRACHLORIDE	4.305	117	196248	58.38	UG/L	97
44) 1,1-DICHLOROPROPENE	4.308	75	198650	53.43	UG/L	96
45) BENZENE	4.514	78	587237	50.58	UG/L	99
47) T-AMYL METHYL ETHER	4.648	73	485004	55.92	UG/L	96
50) 1,2-DICHLOROETHANE	4.539	62	228936	57.04	UG/L	97
51) TRICHLOROETHENE	5.156	95	150056	57.86	UG/L	92
52) METHYLCYCLOHEXANE	5.334	83	182308	51.38	UG/L	94
53) 1,2-DICHLOROPROPANE	5.379	63	164363	52.91	UG/L	98
54) DIBROMOMETHANE	5.490	93	109278	56.69	UG/L	93

Data Path : C:\msdchem\1\data\C080822\
 Data File : C22V21917.D
 Acq On : 8 Aug 2022 1:34 pm
 Operator :
 Sample : 8260STD 50PPB 2206105
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Inst : GCMSVOA3

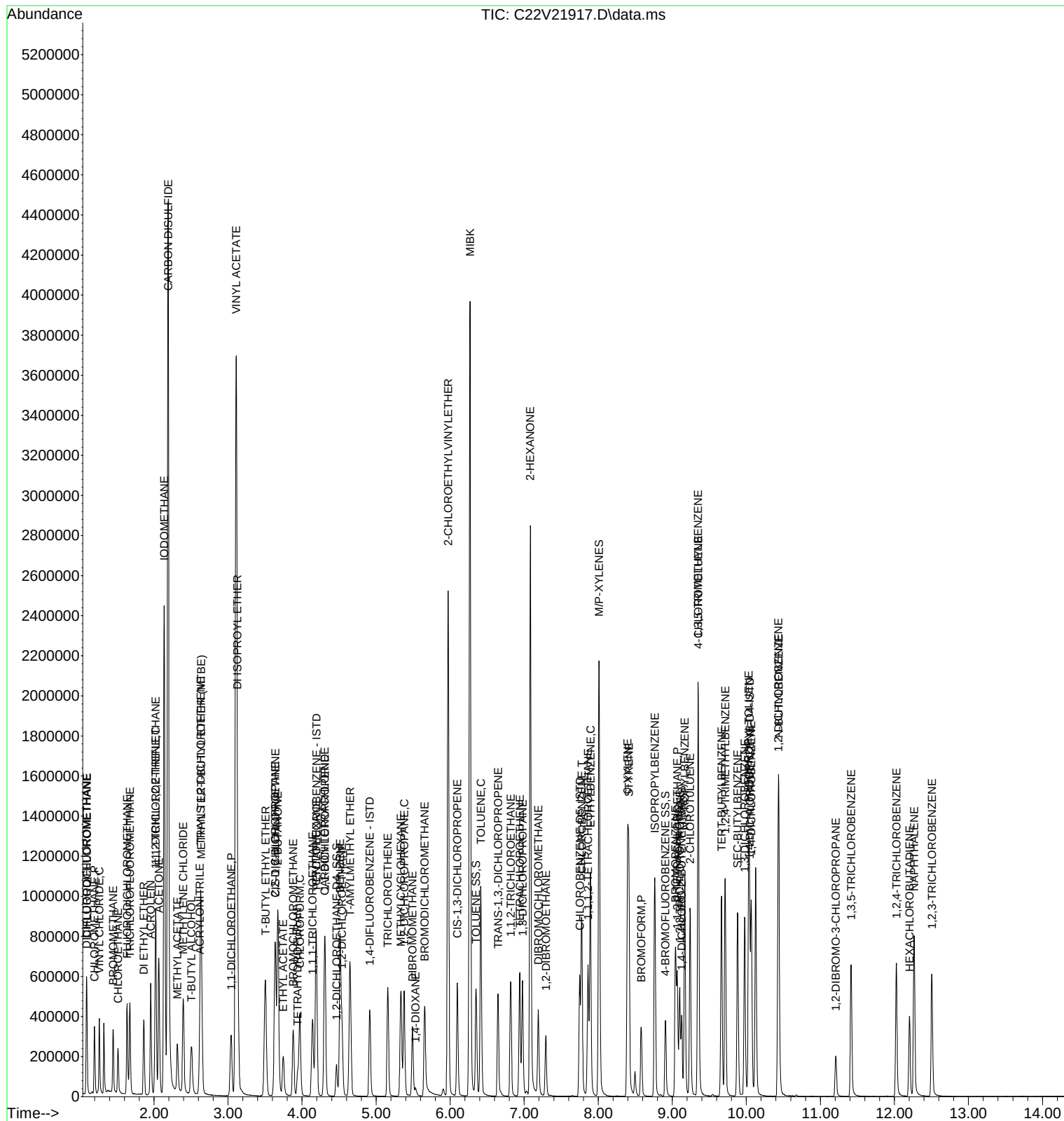
Quant Time: Aug 08 13:59:14 2022
 Quant Method : C:\msdchem\1\methods\C051619.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Mon Aug 08 11:15:01 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
56) 1,4-DIOXANE	5.532	88	24518	538.52	UG/L	# 71
57) BROMODICHLOROMETHANE	5.655	83	215959	58.15	UG/L	97
58) 2-CHLOROETHYL VINYLETHANOL	5.973	63	896251	590.74	UG/L	89
59) MIBK	6.268	43	2256646	493.43	UG/L	99
60) CIS-1,3-DICHLOROPROPENE	6.098	75	261752	55.25	UG/L	95
61) TOLUENE	6.416	91	632875	55.57	UG/L	98
62) TRANS-1,3-DICHLOROPROPENE	6.648	75	228959	53.46	UG/L	93
64) 1,1,2-TRICHLOROETHANE	6.818	97	152183	56.76	UG/L	96
65) 2-HEXANONE	7.083	43	1607232	489.30	UG/L	98
66) TETRACHLOROETHENE	6.940	166	155188	58.86	UG/L	97
67) 1,3-DICHLOROPROPANE	6.977	76	274115	54.85	UG/L	99
68) DIBROMOCHLOROMETHANE	7.191	129	181581	58.88	UG/L	98
69) 1,2-DIBROMOETHANE	7.292	107	167881	56.10	UG/L	99
72) CHLOROBENZENE	7.777	112	417454	58.55	UG/L	96
73) 1,1,1,2-TETRACHLOROETHANE	7.863	131	156763	61.58	UG/L	99
74) ETHYLBENZENE	7.894	91	687823	56.04	UG/L	96
75) M/P-XYLENES	8.011	91	1084210	116.57	UG/L	97
76) O-XYLENE	8.396	91	565944	59.06	UG/L	97
77) STYRENE	8.413	104	467735	60.50	UG/L	96
78) BROMOFORM	8.580	173	142547	63.52	UG/L	98
79) ISOPROPYLBENZENE	8.764	105	645593	58.07	UG/L	98
81) 1,1,2,2-TETRACHLOROETHANE	9.068	83	249642	58.98	UG/L	96
82) 1,4-DICHLORO-2-BUTENE	9.127	53	64424	60.25	UG/L	# 81
83) BROMOBENZENE	9.043	77	272129	53.40	UG/L	96
84) 1,2,3-TRICHLOROPROPANE	9.102	75	190507	53.87	UG/L	97
85) N-PROPYLBENZENE	9.168	91	733572	56.13	UG/L	98
86) 2-CHLOROTOLUENE	9.241	91	465886	56.17	UG/L	98
87) 1,3,5-TRIMETHYLBENZENE	9.350	105	529200	57.08	UG/L	97
88) 4-CHLOROTOLUENE	9.352	91	539056	57.10	UG/L	98
90) TERT-BUTYLBENZENE	9.665	119	423598	53.06	UG/L	95
91) 1,2,4-TRIMETHYLBENZENE	9.715	105	528648	52.42	UG/L	98
92) SEC-BUTYLBENZENE	9.882	105	574310	50.98	UG/L	97
93) 1,3-DICHLOROBENZENE	9.977	146	325798	55.74	UG/L	99
94) P-ISOPROPYLTOLUENE	10.033	119	496013	51.13	UG/L	99
95) 1,4-DICHLOROBENZENE	10.066	146	333618	53.84	UG/L	97
97) N-BUTYLBENZENE	10.437	91	438567	50.25	UG/L	95
98) 1,2-DICHLOROBENZENE	10.432	146	330923	56.13	UG/L	98
99) 1,2-DIBROMO-3-CHLOROPROPANE	11.207	75	43996	54.23	UG/L	92
100) 1,3,5-TRICHLOROBENZENE	11.416	180	206206	51.22	UG/L	98
101) 1,2,4-TRICHLOROBENZENE	12.027	180	193674	51.07	UG/L	100
102) HEXACHLOROBUTADIENE	12.202	225	76127	52.71	UG/L	97
103) NAPHTHALENE	12.267	128	583579	51.48	UG/L	99
104) 1,2,3-TRICHLOROBENZENE	12.506	180	190522	50.58	UG/L	100

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

309

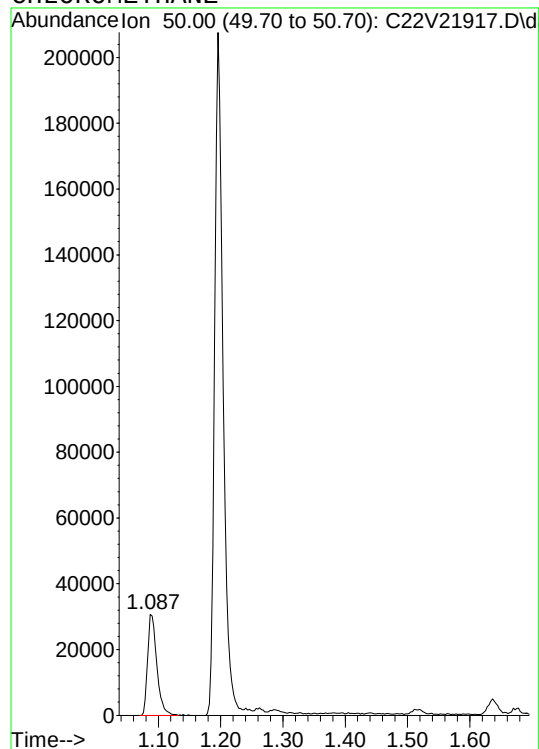
Quant Time: Aug 08 13:59:14 2022
Quant Method : C:\msdchem\1\methods\C051619.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Mon Aug 08 11:15:01 2022
Response via : Initial Calibration



Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21917.D
Acq On : 8 Aug 2022 1:34 pm
Operator :
Sample : 8260STD 50PPB 2206105
Misc :

Quant Time : Mon Aug 08 13:59:14 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration
CHLOROMETHANE



Original Int. Results

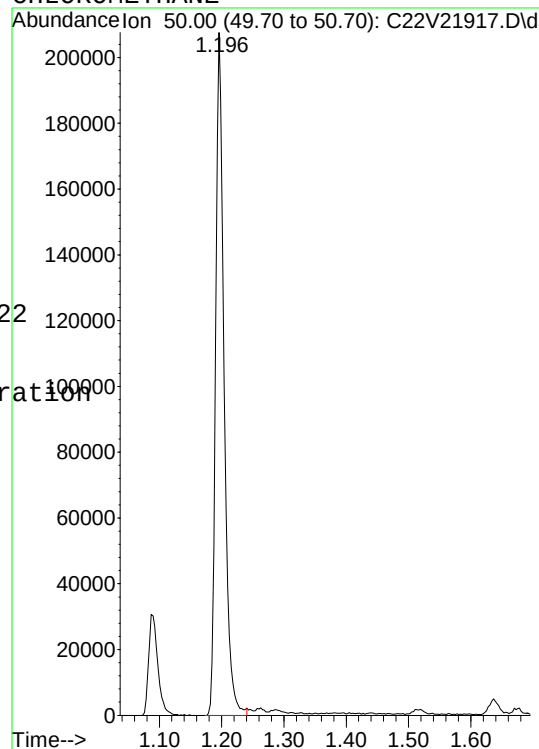
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Amount: 7.17858

Manual Int. Results

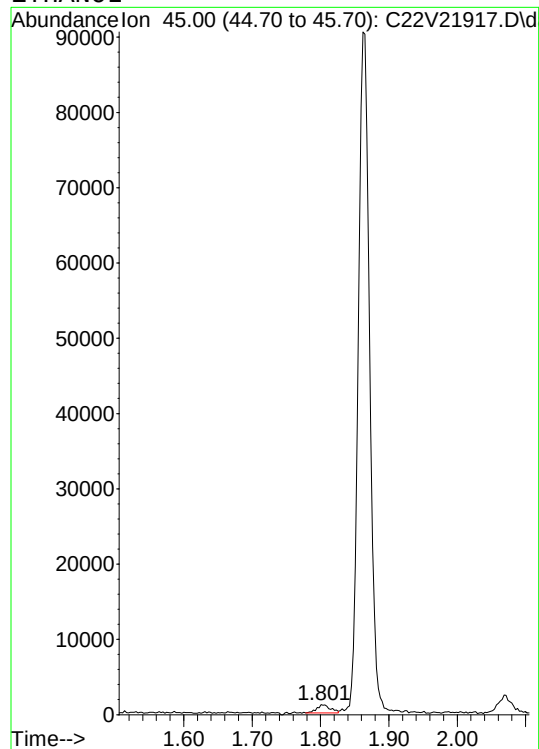
Mon Aug 08 13:59:05 2022

MIuser: EEH
Reason: Incoret Integration
RT : 1.20
Area : 196280
Amount: 44.7178

Manual Integration
CHLOROMETHANE



Original Integration
ETHANOL



Original Int. Results

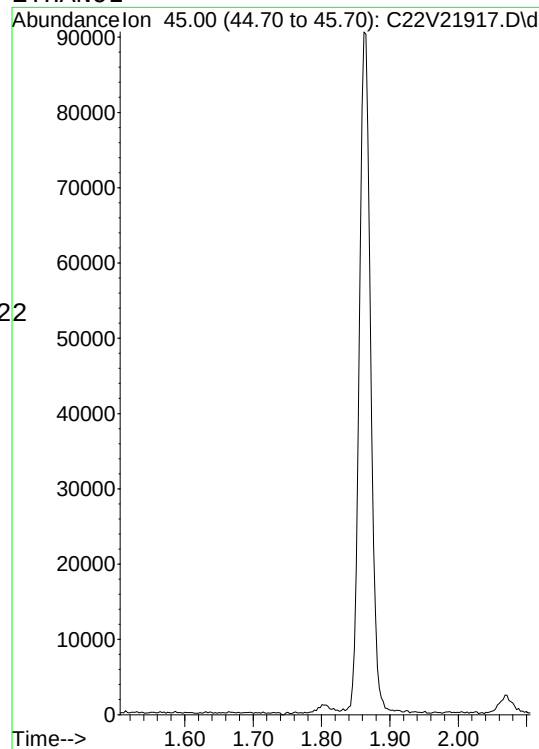
RT : 1.80
Area : 1575
Amount: 22.9002

Manual Int. Results

Mon Aug 08 13:59:13 2022

MIuser: EEH
Reason: Split Peak
RT : 0.00
Area : 0
Amount: 0

Manual Integration
ETHANOL



Data Path : C:\msdchem\1\data\C080822\
 Data File : C22V21918.D
 Acq On : 8 Aug 2022 1:59 pm
 Operator :
 Sample : 8260STD 100PPB 2206105
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Inst : GCMSVOA3

Quant Time: Aug 09 06:41:46 2022
 Quant Method : C:\msdchem\1\methods\C051619.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Mon Aug 08 11:15:01 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	4.194	168	207525	30.00	UG/L	0.00
48) 1,4-DIFLUOROBENZENE - ...	4.913	114	305879	30.00	UG/L	0.00
70) CHLOROBENZENE-D5 ISTD	7.749	82	150654	30.00	UG/L	0.00
89) 1,4-DICHLOROBENZENE-D4...	10.044	152	157880m	30.00	UG/L	0.00
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.464	65	95017	24.34	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	97.36%	
49) TOLUENE SS	6.352	98	300659	24.65	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	98.60%	
71) 4-BROMOFLUOROBENZENE SS	8.909	95	113179	25.32	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	101.28%	
Target Compounds						
3) DICHLORODIFLUOROMETHANE	1.087	85	319640	94.48	UG/L	98
4) DIFLUOROCHLOROMETHANE	1.090	51	412969	102.12	UG/L	# 100
5) CHLOROMETHANE	1.196	50	411266m	91.11	UG/L	
6) VINYL CHLORIDE	1.260	62	380257	105.39	UG/L	98
7) BROMOMETHANE	1.444	94	212024	107.65	UG/L	99
8) CHLOROETHANE	1.508	64	235369	118.08	UG/L	98
9) FLUORODICHLOROMETHANE	1.634	67	590184	108.21	UG/L	98
10) TRICHLOROFLUOROMETHANE	1.673	101	462906	115.28	UG/L	97
12) DI ETHYL ETHER	1.862	59	271752	106.11	UG/L	96
13) ACROLEIN	1.957	56	698876	818.29	UG/L	100
14) ACETONE	2.066	43	1216737	934.77	UG/L	95
15) 1,1-DICHLOROETHENE	2.021	61	461747	114.96	UG/L	99
16) 1,1,2-TRICL-1,2,2-TRIF...	2.019	101	273677	124.43	UG/L	87
17) IODOMETHANE	2.136	142	4465385	1358.55	UG/L	99
20) METHYL ACETATE	2.317	43	452746	112.30	UG/L	96
21) T-BUTYL ALCOHOL	2.512	59	527627	1053.68	UG/L	# 92
22) ACRYLONITRILE	2.618	53	173336	100.87	UG/L	99
23) METHYLENE CHLORIDE	2.395	49	446658	104.75	UG/L	96
24) CARBON DISULFIDE	2.189	76	9391706	1212.37	UG/L	100
25) METHYL TERT-BUTYL ETHE...	2.638	73	1035453	114.22	UG/L	96
26) TRANS 1,2-DICHLOROETHENE	2.629	61	448363	107.79	UG/L	96
27) 1,1-DICHLOROETHANE	3.042	63	565481	101.54	UG/L	99
28) VINYL ACETATE	3.112	43	10196995	953.47	UG/L	98
29) DI ISOPROYL ETHER	3.128	45	1158349	96.17	UG/L	96
31) 2-BUTANONE	3.675	43	2057571	880.39	UG/L	96
32) T-BUTYL ETHYL ETHER	3.505	59	1038088	103.40	UG/L	99
33) CIS-1,2-DICHLOROETHENE	3.639	61	514280	106.15	UG/L	93
34) 2,2-DICHLOROPROPANE	3.633	77	451799	108.30	UG/L	90
35) ETHYL ACETATE	3.745	43	454972	96.36	UG/L	98
38) BROMOCHLOROMETHANE	3.879	49	252896	88.50	UG/L	99
39) TETRAHYDROFURAN	3.937	42	138376	99.15	UG/L	91
40) CHLOROFORM	3.971	83	555938	107.70	UG/L	96
41) 1,1,1-TRICHLOROETHANE	4.141	97	466269	113.04	UG/L	97
42) CYCLOHEXANE	4.188	56	455193	93.21	UG/L	93
43) CARBON TETRACHLORIDE	4.305	117	401942	116.28	UG/L	97
44) 1,1-DICHLOROPROPENE	4.308	75	410178	107.27	UG/L	96
45) BENZENE	4.514	78	1203747	100.82	UG/L	99
47) T-AMYL METHYL ETHER	4.648	73	999362	112.04	UG/L	95
50) 1,2-DICHLOROETHANE	4.540	62	466780	112.05	UG/L	98
51) TRICHLOROETHENE	5.156	95	305614	113.53	UG/L	93
52) METHYLCYCLOHEXANE	5.334	83	372434	101.13	UG/L	94
53) 1,2-DICHLOROPROPANE	5.379	63	333400	103.40	UG/L	99
54) DIBROMOMETHANE	5.490	93	224105	112.00	UG/L	94

Data Path : C:\msdchem\1\data\C080822\
 Data File : C22V21918.D
 Acq On : 8 Aug 2022 1:59 pm
 Operator :
 Sample : 8260STD 100PPB 2206105
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Inst : GCMSVOA3

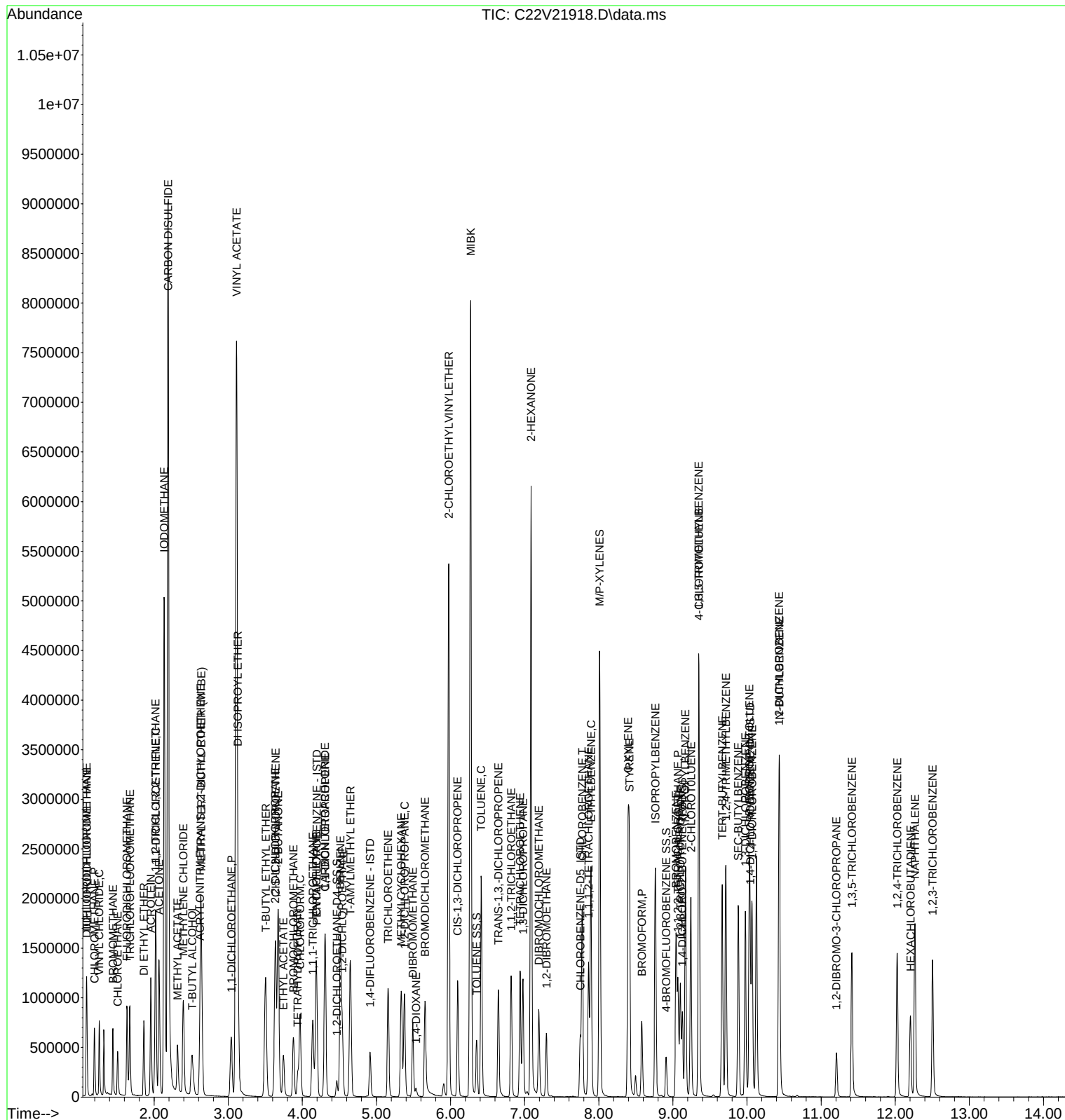
Quant Time: Aug 09 06:41:46 2022
 Quant Method : C:\msdchem\1\methods\C051619.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Mon Aug 08 11:15:01 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
56) 1,4-DIOXANE	5.535	88	50642	1071.56	UG/L #	68
57) BROMODICHLOROMETHANE	5.655	83	446288	115.77	UG/L	98
58) 2-CHLOROETHYL VINYLETHANOL	5.976	63	1892822	1201.90	UG/L	89
59) MIBK	6.271	43	4688471	987.62	UG/L	98
60) CIS-1,3-DICHLOROPROPENE	6.096	75	538317	109.47	UG/L	97
61) TOLUENE	6.413	91	1296415	109.67	UG/L	98
62) TRANS-1,3-DICHLOROPROPENE	6.645	75	478929	107.74	UG/L	94
64) 1,1,2-TRICHLOROETHANE	6.818	97	315950	113.53	UG/L	96
65) 2-HEXANONE	7.086	43	3381066	991.62	UG/L	98
66) TETRACHLOROETHENE	6.938	166	322443	117.82	UG/L	97
67) 1,3-DICHLOROPROPANE	6.977	76	565125	108.94	UG/L	100
68) DIBROMOCHLOROMETHANE	7.191	129	382189	119.39	UG/L	98
69) 1,2-DIBROMOETHANE	7.292	107	352171	113.37	UG/L	99
72) CHLOROBENZENE	7.777	112	867710	116.84	UG/L	96
73) 1,1,1,2-TETRACHLOROETHANE	7.861	131	327706	123.59	UG/L	99
74) ETHYLBENZENE	7.894	91	1431054	111.93	UG/L	96
75) M/P-XYLENES	8.011	91	2238870	231.10	UG/L	98
76) O-XYLENE	8.396	91	1174808	117.70	UG/L	97
77) STYRENE	8.413	104	980137	121.72	UG/L	95
78) BROMOFORM	8.580	173	309614	132.45	UG/L	99
79) ISOPROPYLBENZENE	8.764	105	1337232	115.48	UG/L	98
81) 1,1,2,2-TETRACHLOROETHANE	9.068	83	520684	118.09	UG/L	96
82) 1,4-DICHLORO-2-BUTENE(...)	9.127	53	138109	124.00	UG/L #	81
83) BROMOBENZENE	9.043	77	580324	109.33	UG/L	95
84) 1,2,3-TRICHLOROPROPANE	9.102	75	399664	108.50	UG/L	97
85) N-PROPYLBENZENE	9.169	91	1530119	112.40	UG/L	98
86) 2-CHLOROTOLUENE	9.244	91	965256	111.72	UG/L	98
87) 1,3,5-TRIMETHYLBENZENE	9.350	105	1105111	114.44	UG/L	97
88) 4-CHLOROTOLUENE	9.353	91	1152655	117.21	UG/L	97
90) TERT-BUTYLBENZENE	9.665	119	890745	104.56	UG/L	97
91) 1,2,4-TRIMETHYLBENZENE	9.715	105	1113048	103.42	UG/L	98
92) SEC-BUTYLBENZENE	9.883	105	1203185	100.10	UG/L	98
93) 1,3-DICHLOROBENZENE	9.977	146	692553	111.05	UG/L	99
94) P-ISOPROPYLTOLUENE	10.033	119	1051949	101.62	UG/L	98
95) 1,4-DICHLOROBENZENE	10.069	146	712839	107.81	UG/L	97
97) N-BUTYLBENZENE	10.437	91	938680	100.79	UG/L	96
98) 1,2-DICHLOROBENZENE	10.432	146	707212	112.41	UG/L	99
99) 1,2-DIBROMO-3-CHLOROPROPANE	11.204	75	96992	112.04	UG/L	90
100) 1,3,5-TRICHLOROBENZENE	11.416	180	448032	104.29	UG/L	99
101) 1,2,4-TRICHLOROBENZENE	12.027	180	423328	104.62	UG/L	100
102) HEXACHLOROBUTADIENE	12.205	225	167920	108.97	UG/L	97
103) NAPHTHALENE	12.267	128	1282262	106.01	UG/L	99
104) 1,2,3-TRICHLOROBENZENE	12.504	180	411470	102.38	UG/L	99

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

313

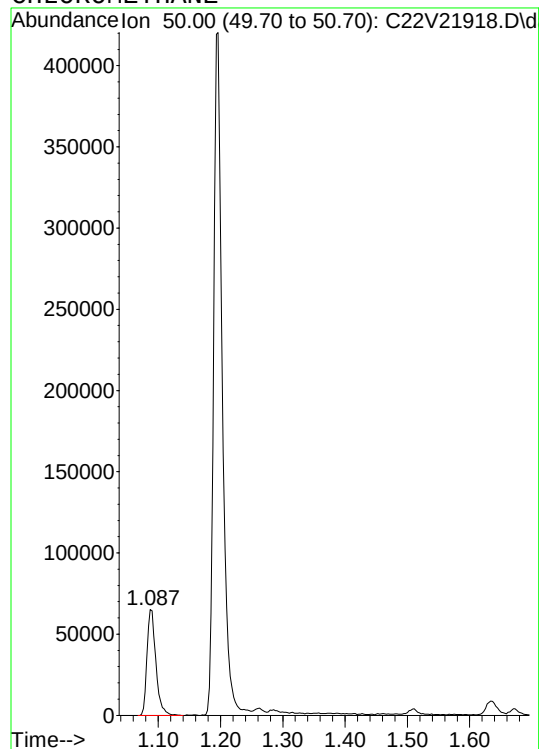
Quant Time: Aug 09 06:41:46 2022
Quant Method : C:\msdchem\1\methods\C051619.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Mon Aug 08 11:15:01 2022
Response via : Initial Calibration



Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21918.D
Acq On : 8 Aug 2022 1:59 pm
Operator :
Sample : 8260STD 100PPB 2206105
Misc :

Quant Time : Tue Aug 09 06:41:46 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration
CHLOROMETHANE



Original Int. Results

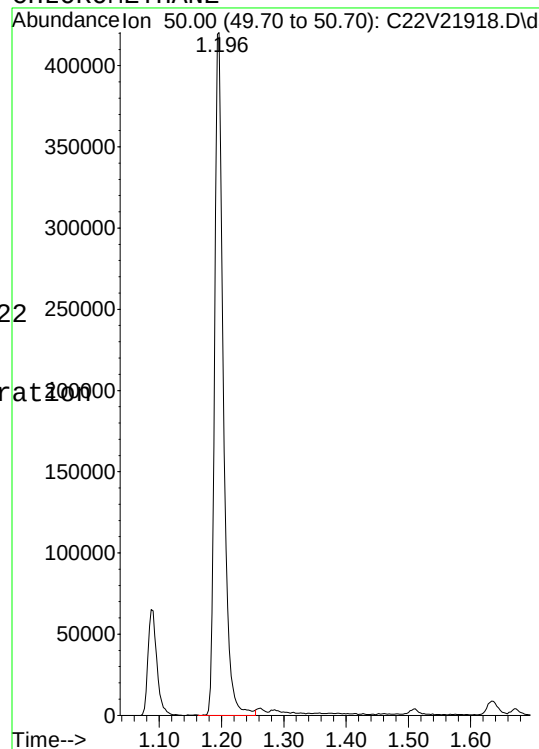
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Area : 63977
Amount: 14.1733

Manual Int. Results

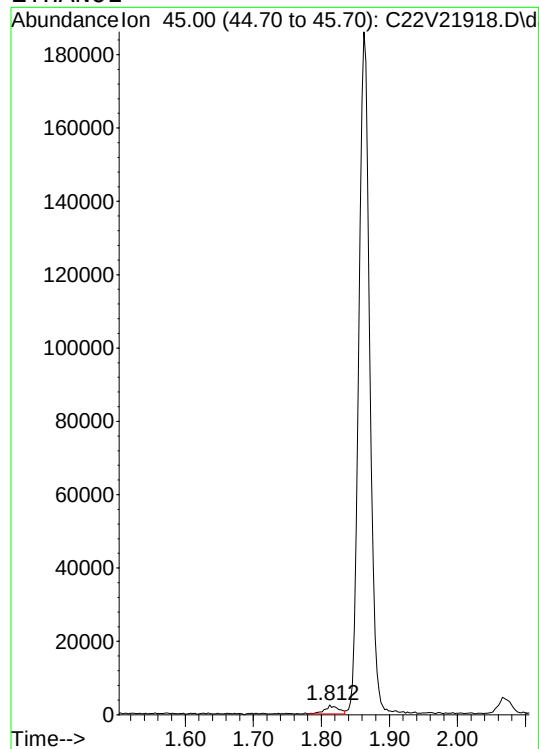
Tue Aug 09 06:23:46 2022

MIuser: EEH
Reason: Incoret Integrat
RT : 1.20
Area : 411266
Amount: 91.1106

Manual Integration
CHLOROMETHANE



Original Integration
ETHANOL



Original Int. Results

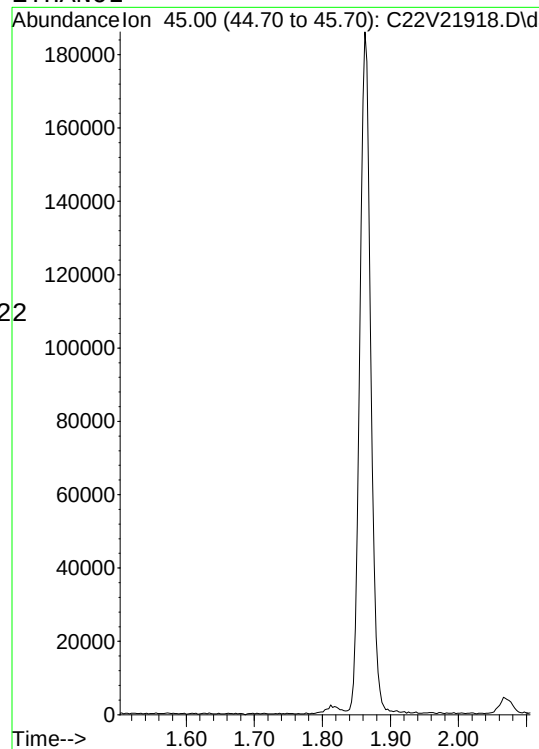
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Area : 3248
Amount: 45.9217

Manual Int. Results

Tue Aug 09 06:23:54 2022

MIuser: EEH
Reason: Split Peak
RT : 0.00
Area : 0
Amount: 0

Manual Integration
ETHANOL



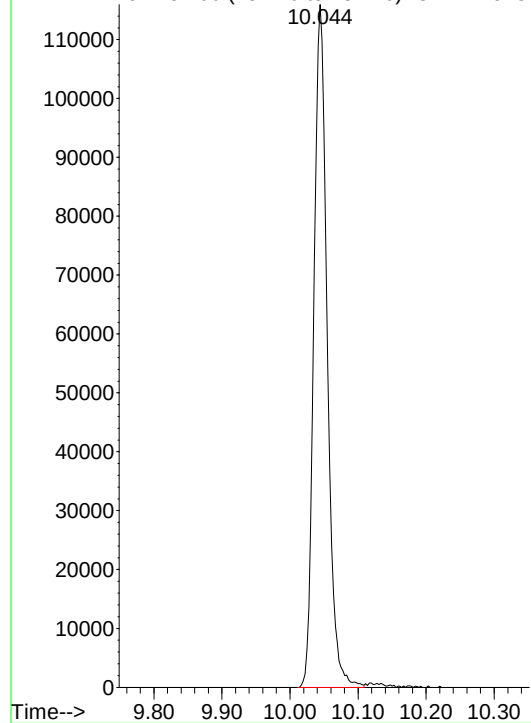
Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21918.D
Acq On : 8 Aug 2022 1:59 pm
Operator :
Sample : 8260STD 100PPB 2206105
Misc :

Quant Time : Tue Aug 09 06:41:46 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration

1,4-DICHLOROBENZENE-D4-ISTD

Abundance on 152.00 (151.70 to 152.70): C22V21918.I



Original Int. Results

RT : 10.04
Area : 156597
Amount: 30

Manual Int. Results

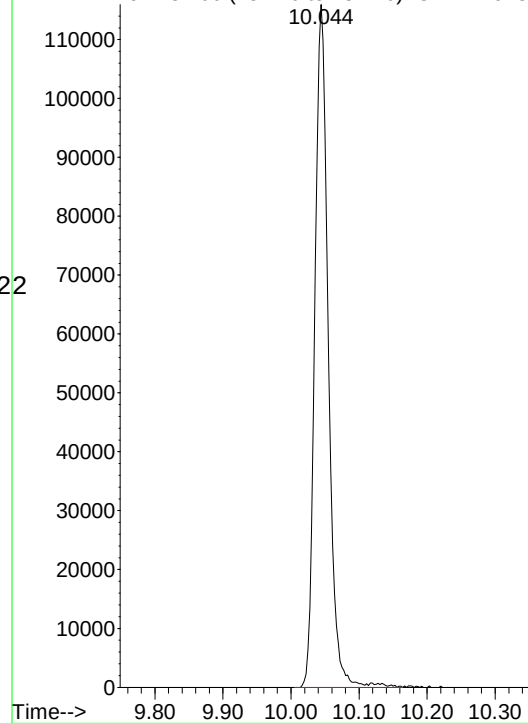
Tue Aug 09 06:41:46 2022

MIuser: EEH
Reason: Split Peak
RT : 10.04
Area : 157880
Amount: 30

Manual Integration

1,4-DICHLOROBENZENE-D4-ISTD

Abundance on 152.00 (151.70 to 152.70): C22V21918.I



Data Path : C:\msdchem\1\data\C080822\
 Data File : C22V21919.D
 Acq On : 8 Aug 2022 2:23 pm
 Operator :
 Sample : 8260STD 200PPB 2206105
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Inst : GCMSVOA3

Quant Time: Aug 09 06:41:16 2022
 Quant Method : C:\msdchem\1\methods\C051619.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Mon Aug 08 11:15:01 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	4.194	168	211344	30.00	UG/L	0.00
48) 1,4-DIFLUOROBENZENE - ...	4.913	114	306522	30.00	UG/L	0.00
70) CHLOROBENZENE-D5 ISTD	7.749	82	155515	30.00	UG/L	0.00
89) 1,4-DICHLOROBENZENE-D4...	10.044	152	168149m	30.00	UG/L	0.00
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.467	65	95572	24.04	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	96.16%	
49) TOLUENE SS	6.352	98	304676	24.93	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	99.72%	
71) 4-BROMOFLUOROBENZENE SS	8.909	95	119760	25.96	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	103.84%	
Target Compounds						
3) DICHLORODIFLUOROMETHANE	1.084	85	645308	187.30	UG/L	98
4) DIFLUOROCHLOROMETHANE	1.090	51	847637	205.82	UG/L	# 100
5) CHLOROMETHANE	1.193	50	896006m	194.91	UG/L	
6) VINYL CHLORIDE	1.260	62	769135	209.33	UG/L	98
7) BROMOMETHANE	1.441	94	435223	216.99	UG/L	100
8) CHLOROETHANE	1.500	64	464064	228.60	UG/L	97
9) FLUORODICHLOROMETHANE	1.631	67	1193928	214.95	UG/L	99
10) TRICHLOROFLUOROMETHANE	1.667	101	925780	226.38	UG/L	98
12) DI ETHYL ETHER	1.862	59	548241	210.20	UG/L	97
13) ACROLEIN	1.957	56	1534492	1764.21	UG/L	100
14) ACETONE	2.069	43	2464910	1859.47	UG/L	95
15) 1,1-DICHLOROETHENE	2.018	61	938436	229.43	UG/L	99
16) 1,1,2-TRICL-1,2,2-TRIF...	2.016	101	544277	242.98	UG/L	88
17) IODOMETHANE	2.136	142	9311028	2781.60	UG/L	98
20) METHYL ACETATE	2.317	43	914564	222.75	UG/L	96
21) T-BUTYL ALCOHOL	2.548	59	1079732m	2117.28	UG/L	
22) ACRYLONITRILE	2.618	53	357191	204.10	UG/L	98
23) METHYLENE CHLORIDE	2.392	49	890641	205.09	UG/L	95
24) CARBON DISULFIDE	2.180	76	16095597m	2040.22	UG/L	
25) METHYL TERT-BUTYL ETHE...	2.638	73	2118935	229.51	UG/L	96
26) TRANS 1,2-DICHLOROETHENE	2.626	61	921008	217.42	UG/L	96
27) 1,1-DICHLOROETHANE	3.039	63	1162755	205.02	UG/L	99
28) VINYL ACETATE	3.109	43	18407533m	1690.09	UG/L	
29) DI ISOPROYL ETHER	3.128	45	2382524	194.23	UG/L	95
31) 2-BUTANONE	3.678	43	4290128	1802.48	UG/L	96
32) T-BUTYL ETHYL ETHER	3.502	59	2135862	208.90	UG/L	99
33) CIS-1,2-DICHLOROETHENE	3.639	61	1058464	214.53	UG/L	93
34) 2,2-DICHLOROPROPANE	3.633	77	923079	217.27	UG/L	91
35) ETHYL ACETATE	3.745	43	902462	187.68	UG/L	99
38) BROMOCHLOROMETHANE	3.878	49	462279	158.85	UG/L	99
39) TETRAHYDROFURAN	3.940	42	288569	203.04	UG/L	91
40) CHLOROFORM	3.971	83	1144572	217.72	UG/L	97
41) 1,1,1-TRICHLOROETHANE	4.141	97	961834	228.97	UG/L	97
42) CYCLOHEXANE	4.188	56	926742	186.33	UG/L	95
43) CARBON TETRACHLORIDE	4.302	117	836570	237.64	UG/L	98
44) 1,1-DICHLOROPROPENE	4.308	75	844424	216.84	UG/L	96
45) BENZENE	4.514	78	2471550	203.27	UG/L	99
47) T-AMYL METHYL ETHER	4.648	73	2073978	228.32	UG/L	95
50) 1,2-DICHLOROETHANE	4.539	62	952554	228.18	UG/L	98
51) TRICHLOROETHENE	5.156	95	630974	233.91	UG/L	94
52) METHYLCYCLOHEXANE	5.337	83	761415	206.31	UG/L	94
53) 1,2-DICHLOROPROPANE	5.379	63	704447	218.02	UG/L	99
54) DIBROMOMETHANE	5.490	93	464522	231.66	UG/L	94

Data Path : C:\msdchem\1\data\C080822\
 Data File : C22V21919.D
 Acq On : 8 Aug 2022 2:23 pm
 Operator :
 Sample : 8260STD 200PPB 2206105
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Inst : GCMSVOA3

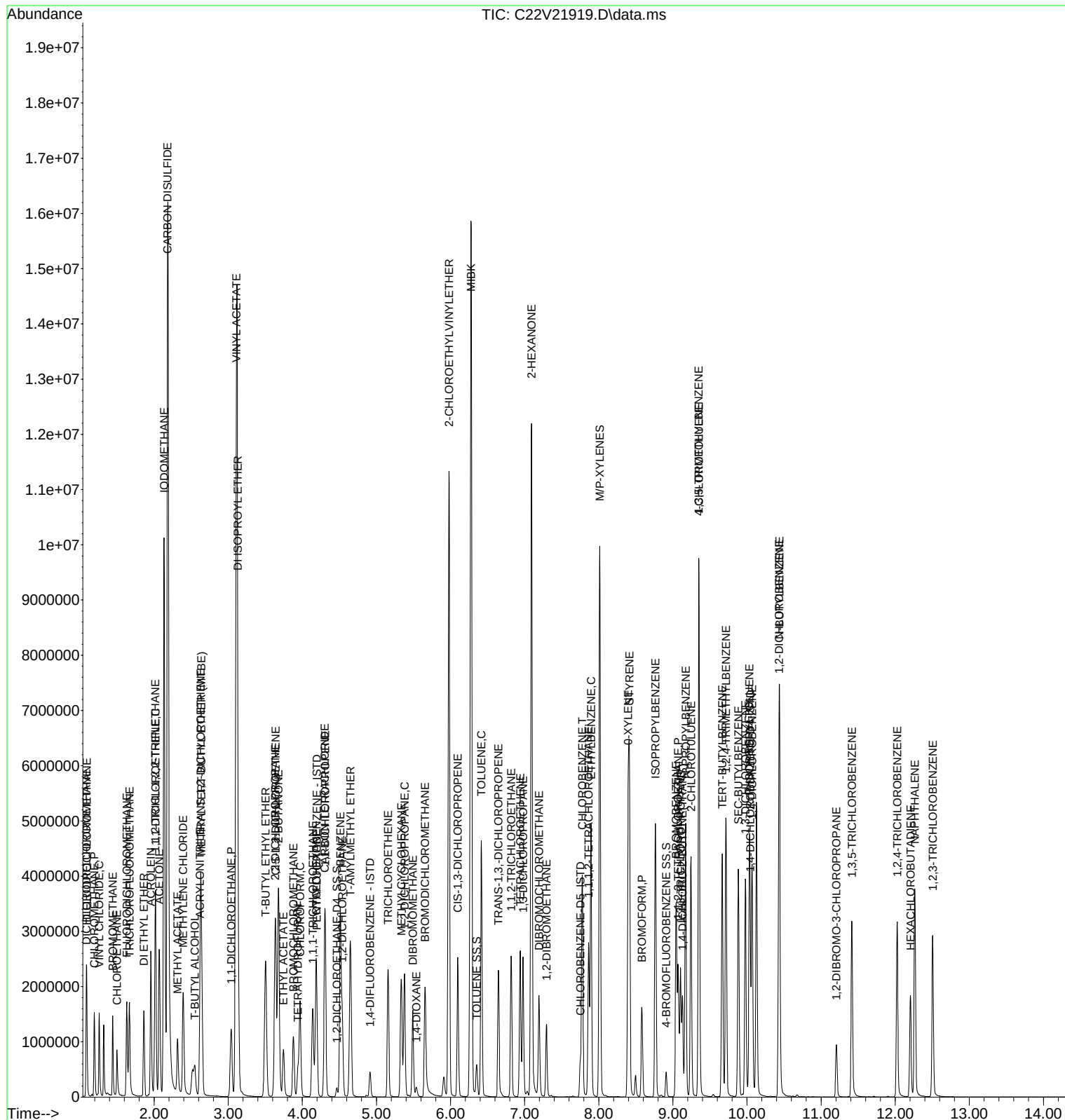
Quant Time: Aug 09 06:41:16 2022
 Quant Method : C:\msdchem\1\methods\C051619.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Mon Aug 08 11:15:01 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
56) 1,4-DIOXANE	5.538	88	110598	2335.29	UG/L #	72
57) BROMODICHLOROMETHANE	5.655	83	927628	240.13	UG/L	97
58) 2-CHLOROETHYL VINYLETHANOL	5.978	63	4058349	2571.56	UG/L	88
59) MIBK	6.277	43	9824542	2065.18	UG/L	97
60) CIS-1,3-DICHLOROPROPENE	6.098	75	1123452	227.98	UG/L	96
61) TOLUENE	6.416	91	2670796	225.45	UG/L	98
62) TRANS-1,3-DICHLOROPROPENE	6.645	75	1010507	226.84	UG/L	94
64) 1,1,2-TRICHLOROETHANE	6.818	97	657021	235.60	UG/L	95
65) 2-HEXANONE	7.094	43	7060536	2066.42	UG/L	96
66) TETRACHLOROETHENE	6.940	166	662506	241.58	UG/L	97
67) 1,3-DICHLOROPROPANE	6.977	76	1169202	224.92	UG/L	99
68) DIBROMOCHLOROMETHANE	7.194	129	805536	251.10	UG/L	98
69) 1,2-DIBROMOETHANE	7.292	107	736716	236.67	UG/L	100
72) CHLOROBENZENE	7.777	112	1806976	235.72	UG/L	96
73) 1,1,1,2-TETRACHLOROETHANE	7.863	131	695384	254.05	UG/L	99
74) ETHYLBENZENE	7.894	91	2977511	225.61	UG/L	97
75) M/P-XYLENES	8.014	91	4738494	473.83	UG/L	98
76) O-XYLENE	8.396	91	2479180	240.62	UG/L	97
77) STYRENE	8.413	104	2101638	252.83	UG/L	95
78) BROMOFORM	8.580	173	662908	274.73	UG/L	99
79) ISOPROPYLBENZENE	8.764	105	2826310	236.44	UG/L	98
81) 1,1,2,2-TETRACHLOROETHANE	9.071	83	1088592	239.18	UG/L	96
82) 1,4-DICHLORO-2-BUTENE(...)	9.130	53	292925	254.78	UG/L #	78
83) BROMOBENZENE	9.043	77	1237286	225.80	UG/L	96
84) 1,2,3-TRICHLOROPROPANE	9.104	75	858506	225.77	UG/L	96
85) N-PROPYLBENZENE	9.171	91	3266018	232.41	UG/L	98
86) 2-CHLOROTOLUENE	9.244	91	2051844	230.07	UG/L	99
87) 1,3,5-TRIMETHYLBENZENE	9.350	105	2398581	240.61	UG/L	98
88) 4-CHLOROTOLUENE	9.353	91	2486811	244.98	UG/L	98
90) TERT-BUTYLBENZENE	9.668	119	1902967	209.73	UG/L	96
91) 1,2,4-TRIMETHYLBENZENE	9.715	105	2378044	207.47	UG/L	99
92) SEC-BUTYLBENZENE	9.885	105	2583625	201.82	UG/L	98
93) 1,3-DICHLOROBENZENE	9.977	146	1483341	223.32	UG/L	100
94) P-ISOPROPYLTOLUENE	10.033	119	2258909	204.89	UG/L	99
95) 1,4-DICHLOROBENZENE	10.069	146	1554151	220.70	UG/L	99
97) N-BUTYLBENZENE	10.437	91	2032947	204.96	UG/L	96
98) 1,2-DICHLOROBENZENE	10.432	146	1523825	227.42	UG/L	99
99) 1,2-DIBROMO-3-CHLOROPROPANE	11.204	75	207303	224.84	UG/L	91
100) 1,3,5-TRICHLOROBENZENE	11.416	180	971990	212.44	UG/L	99
101) 1,2,4-TRICHLOROBENZENE	12.027	180	920627	213.62	UG/L	100
102) HEXACHLOROBUTADIENE	12.205	225	368467	224.51	UG/L	97
103) NAPHTHALENE	12.264	128	2736602	212.43	UG/L	99
104) 1,2,3-TRICHLOROBENZENE	12.507	180	873759	204.12	UG/L	100

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

318

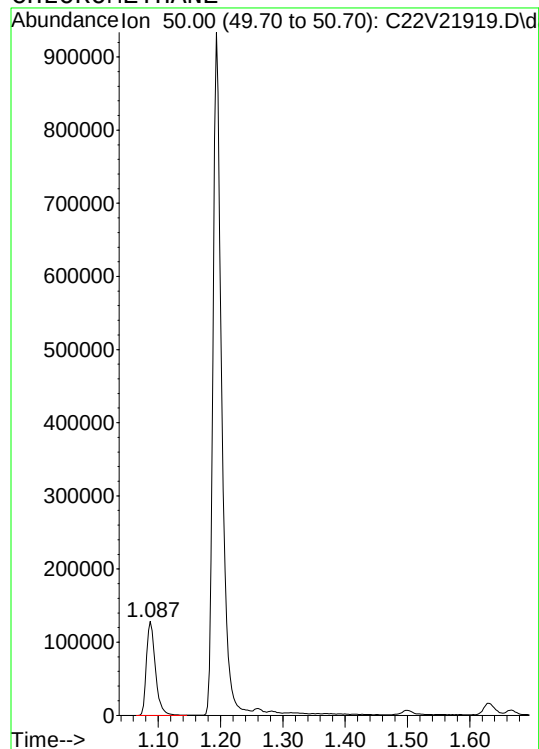
Quant Time: Aug 09 06:41:16 2022
Quant Method : C:\msdchem\1\methods\C051619.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Mon Aug 08 11:15:01 2022
Response via : Initial Calibration



Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21919.D
Acq On : 8 Aug 2022 2:23 pm
Operator :
Sample : 8260STD 200PPB 2206105
Misc :

Quant Time : Tue Aug 09 06:41:16 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration
CHLOROMETHANE



Original Int. Results

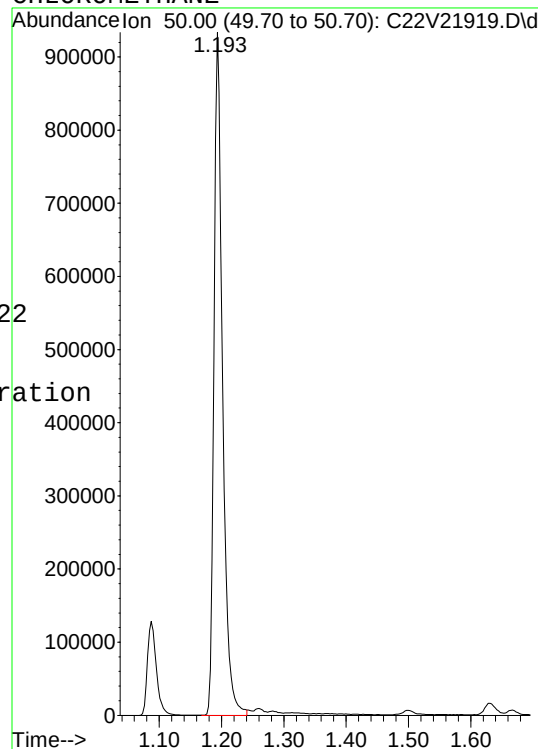
RT : 1.09
Area : 127378
Amount: 27.709

Manual Int. Results

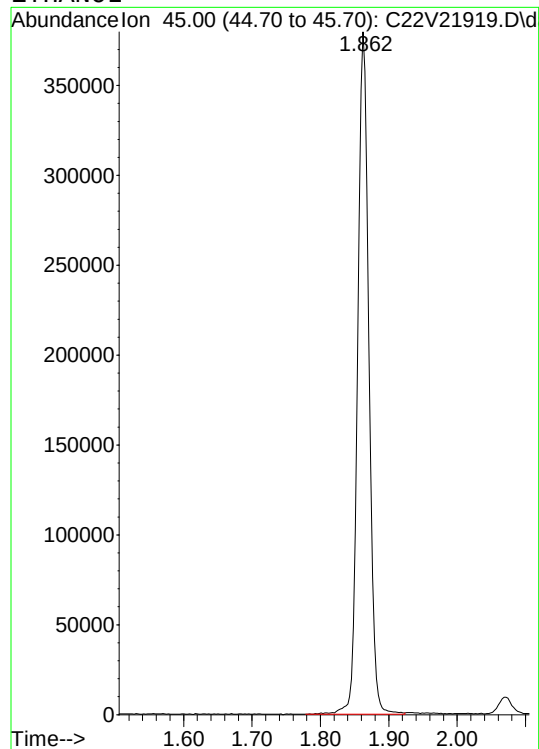
Tue Aug 09 06:25:08 2022

MIuser: EEH
Reason: Incoret Integration
RT : 1.19
Area : 896006
Amount: 194.912

Manual Integration
CHLOROMETHANE



Original Integration
ETHANOL



Original Int. Results

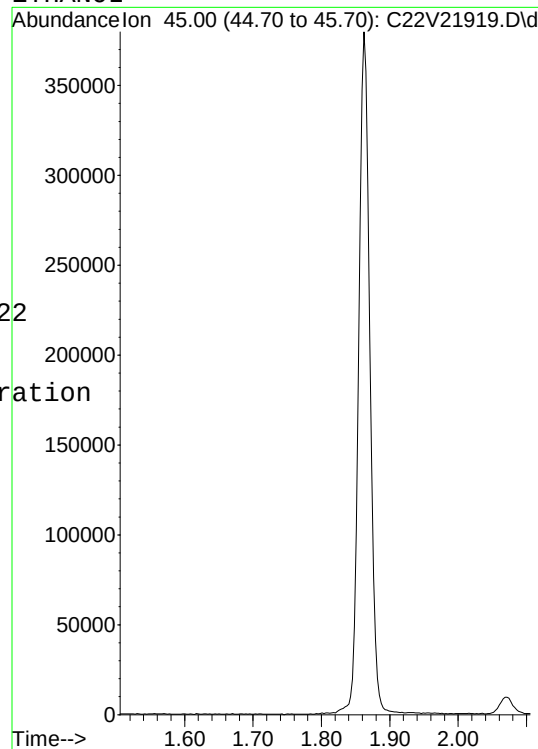
RT : 1.86
Area : 430350
Amount: 5974.53

Manual Int. Results

Tue Aug 09 06:25:18 2022

MIuser: EEH
Reason: Incoret Integration
RT : 0.00
Area : 0
Amount: 0

Manual Integration
ETHANOL



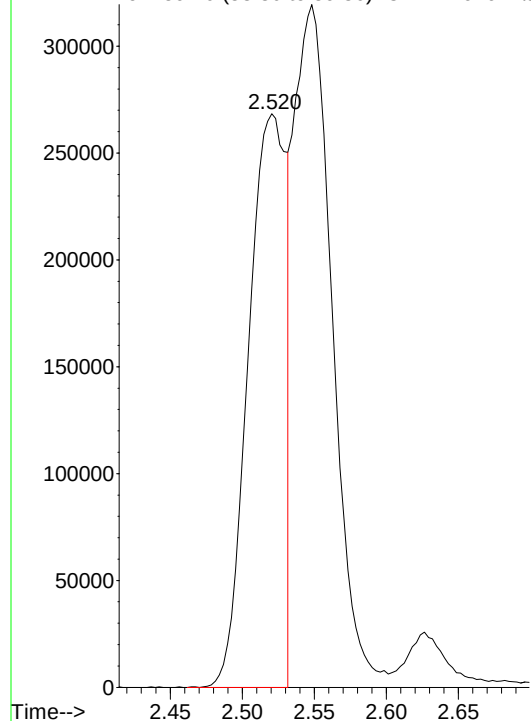
Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21919.D
Acq On : 8 Aug 2022 2:23 pm
Operator :
Sample : 8260STD 200PPB 2206105
Misc :

Quant Time : Tue Aug 09 06:41:16 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration

T-BUTYL ALCOHOL

Abundance Ion 59.10 (58.80 to 59.80): C22V21919.D



Original Int. Results

RT : 2.52
Area : 491853
Amount: 964.489

Manual Int. Results

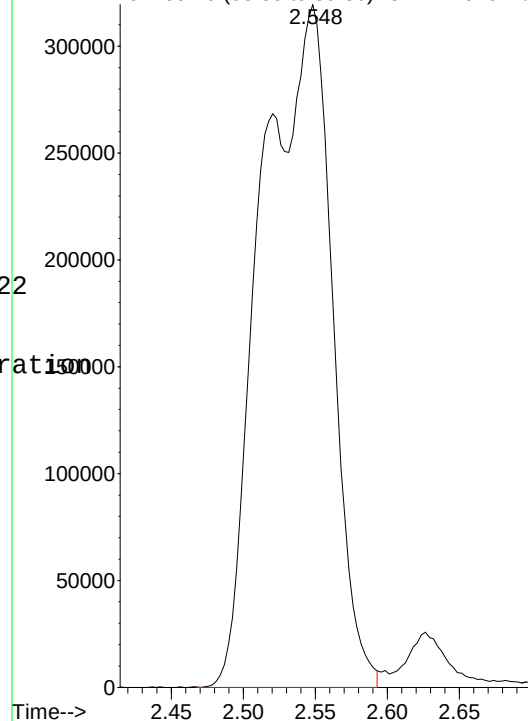
Tue Aug 09 06:25:30 2022

MIuser: EEH
Reason: Incoret Integration
RT : 2.55
Area : 1.07973e+006
Amount: 2117.28

Manual Integration

T-BUTYL ALCOHOL

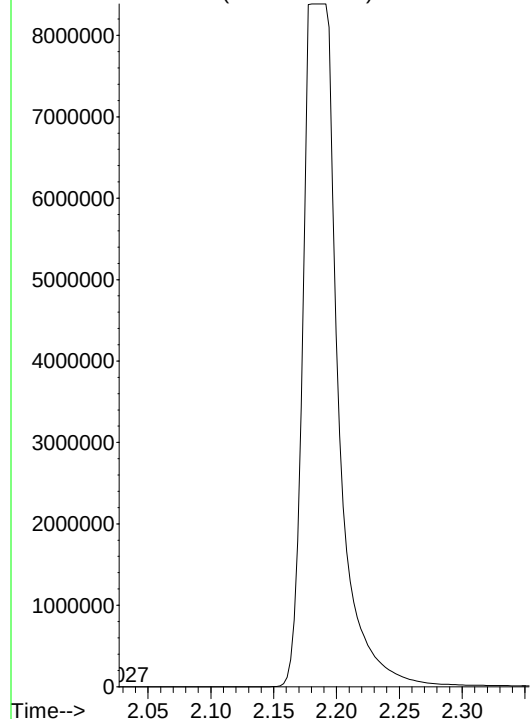
Abundance Ion 59.10 (58.80 to 59.80): C22V21919.D



Original Integration

CARBON DISULFIDE

Abundance Ion 76.00 (75.70 to 76.70): C22V21919.D



Original Int. Results

RT : 0.00
Area : 0
Amount: 0

Manual Int. Results

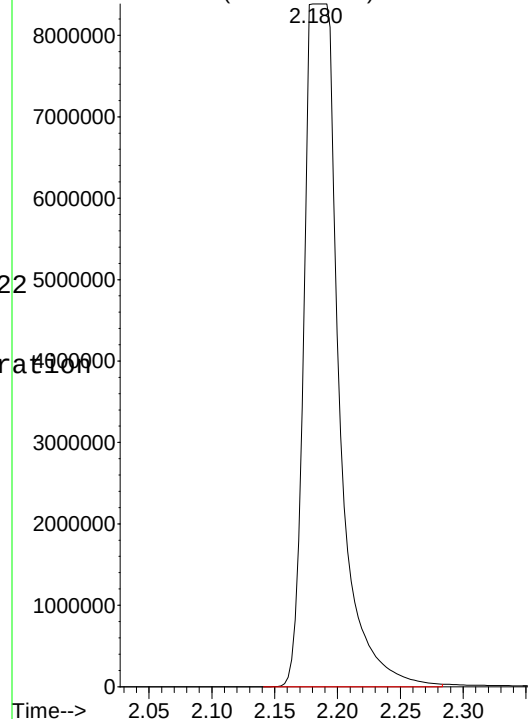
Tue Aug 09 06:25:35 2022

MIuser: EEH
Reason: Incoret Integration
RT : 2.18
Area : 1.60956e+007
Amount: 2040.22

Manual Integration

CARBON DISULFIDE

Abundance Ion 76.00 (75.70 to 76.70): C22V21919.D



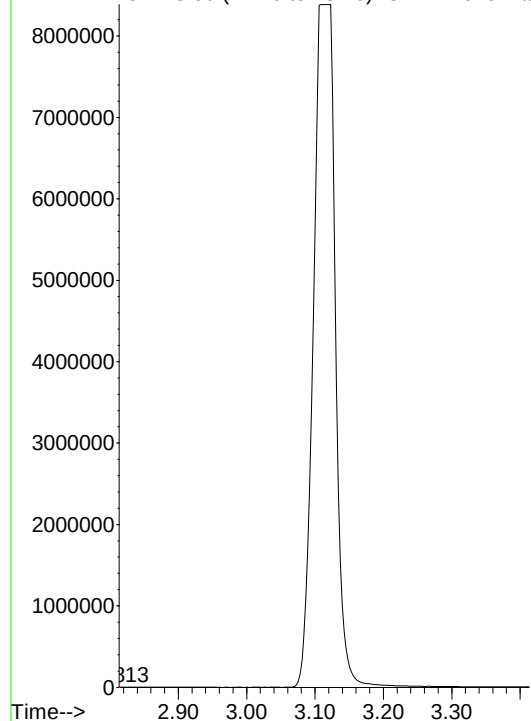
Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21919.D
Acq On : 8 Aug 2022 2:23 pm
Operator :
Sample : 8260STD 200PPB 2206105
Misc :

Quant Time : Tue Aug 09 06:41:16 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration

VINYL ACETATE

Abundance Ion 43.00 (42.70 to 43.70): C22V21919.D



Original Int. Results

RT : 0.00
Area : 0
Amount: 0

Manual Int. Results

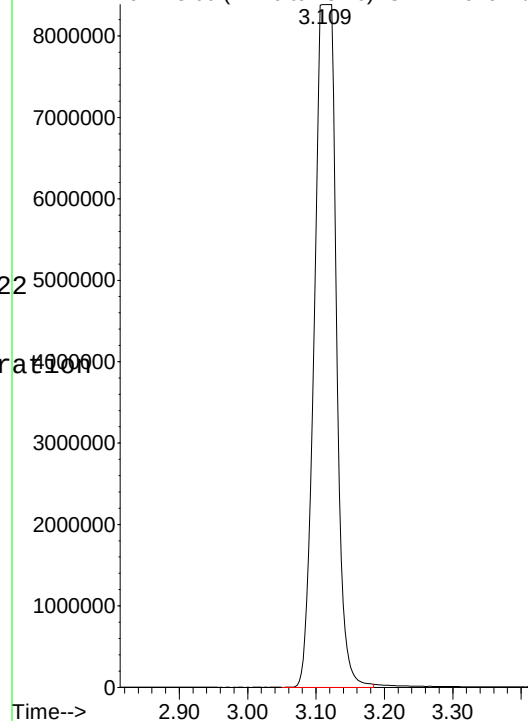
Tue Aug 09 06:25:41 2022

MIuser: EEH
Reason: Incoret Integration
RT : 3.11
Area : 1.84075e+007
Amount: 1690.09

Manual Integration

VINYL ACETATE

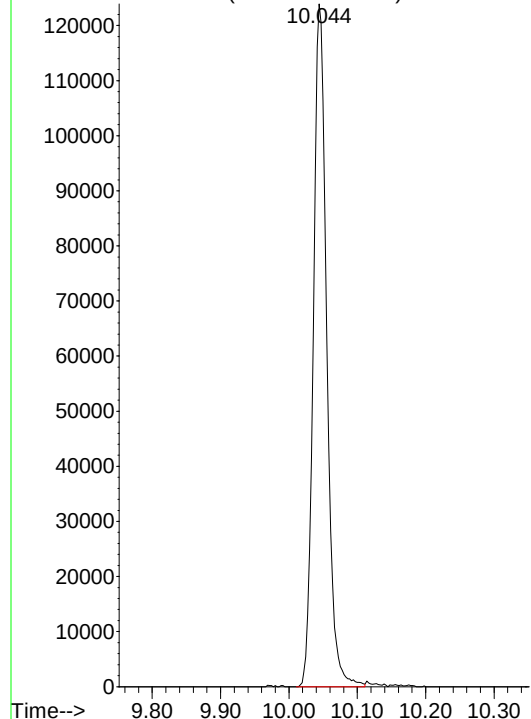
Abundance Ion 43.00 (42.70 to 43.70): C22V21919.D



Original Integration

1,4-DICHLOROBENZENE-D4-ISTD

Abundance Ion 152.00 (151.70 to 152.70): C22V21919.D



Original Int. Results

RT : 10.04
Area : 166653
Amount: 30

Manual Int. Results

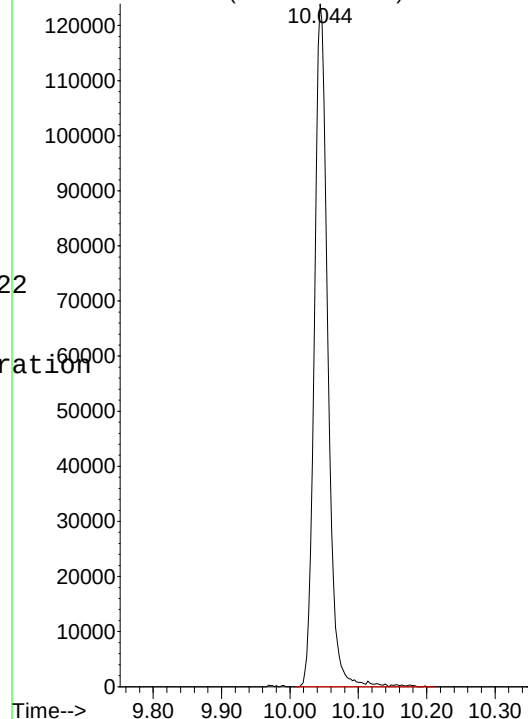
Tue Aug 09 06:41:16 2022

MIuser: EEH
Reason: Incoret Integration
RT : 10.04
Area : 168149
Amount: 30

Manual Integration

1,4-DICHLOROBENZENE-D4-ISTD

Abundance Ion 152.00 (151.70 to 152.70): C22V21919.D



Data Path : C:\msdchem\1\data\C080822\
 Data File : C22V21920.D
 Acq On : 8 Aug 2022 2:47 pm
 Operator :
 Sample : ETOH500PPB
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Inst : GCMSVOA3

Quant Time: Aug 09 06:27:05 2022
 Quant Method : C:\msdchem\1\methods\C051619.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Mon Aug 08 11:15:01 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	4.191	168	199302	30.00	UG/L	0.00
48) 1,4-DIFLUOROBENZENE - ...	4.916	114	294765	30.00	UG/L	0.00
70) CHLOROBENZENE-D5 ISTD	7.752	82	142873	30.00	UG/L	0.00
89) 1,4-DICHLOROBENZENE-D4...	10.047	152	138986	30.00	UG/L	# 0.00
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.467	65	92689	24.72	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	98.88%	
49) TOLUENE SS	6.352	98	290149	24.68	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	98.72%	
71) 4-BROMOFLUOROBENZENE SS	8.909	95	106302	25.08	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	100.32%	
Target Compounds						
					Qvalue	
3) DICHLORODIFLUOROMETHANE	1.087	85	1958	0.60	UG/L	96
4) DIFLUOROCHLOROMETHANE	1.095	51	506	0.13	UG/L	# 100
5) CHLOROMETHANE	1.199	50	3753	0.87	UG/L	# 28
6) VINYL CHLORIDE	1.266	62	1356	0.39	UG/L	# 39
7) BROMOMETHANE	1.452	94	1261	0.67	UG/L	87
8) CHLOROETHANE	1.516	64	714	0.37	UG/L	# 41
9) FLUORODICHLOROMETHANE	1.639	67	678	0.13	UG/L	# 43
10) TRICHLOROFLUOROMETHANE	1.678	101	2069	0.54	UG/L	97
11) ETHANOL	1.795	45	32962	485.26	UG/L	# 83
13) ACROLEIN	1.957	56	3773	4.60	UG/L	94
14) ACETONE	2.069	43	6097	4.88	UG/L	95
15) 1,1-DICHLOROETHENE	2.024	61	1963	0.51	UG/L	93
16) 1,1,2-TRICL-1,2,2-TRIF...	2.021	101	2074	0.98	UG/L	84
17) IODOMETHANE	2.147	142	7527	2.38	UG/L	96
20) METHYL ACETATE	2.322	43	1946	0.50	UG/L	# 64
21) T-BUTYL ALCOHOL	2.509	59	543	1.13	UG/L	# 53
23) METHYLENE CHLORIDE	2.400	49	975	0.24	UG/L	# 68
24) CARBON DISULFIDE	2.191	76	185929	24.99	UG/L	100
26) TRANS 1,2-DICHLOROETHENE	2.626	61	3347	0.84	UG/L	93
27) 1,1-DICHLOROETHANE	3.039	63	561	0.10	UG/L	# 51
28) VINYL ACETATE	3.120	43	9076	0.88	UG/L	100
31) 2-BUTANONE	3.692	43	7329	3.27	UG/L	# 94
33) CIS-1,2-DICHLOROETHENE	3.647	61	1494	0.32	UG/L	# 71
35) ETHYL ACETATE	3.756	43	2474	0.55	UG/L	# 71
40) CHLOROFORM	3.973	83	872	0.18	UG/L	97
41) 1,1,1-TRICHLOROETHANE	4.141	97	629	0.16	UG/L	# 1
42) CYCLOHEXANE	4.191	56	6247	1.33	UG/L	# 56
43) CARBON TETRACHLORIDE	4.305	117	791	0.24	UG/L	# 67
44) 1,1-DICHLOROPROPENE	4.311	75	2432	0.66	UG/L	94
45) BENZENE	4.525	78	2745	0.24	UG/L	# 1
50) 1,2-DICHLOROETHANE	4.551	62	638	0.16	UG/L	# 74
51) TRICHLOROETHENE	5.161	95	1815	0.70	UG/L	# 63
52) METHYLCYCLOHEXANE	5.334	83	3272	0.92	UG/L	95
54) DIBROMOMETHANE	5.499	93	626	0.32	UG/L	# 1
57) BROMODICHLOROMETHANE	5.658	83	621	0.17	UG/L	# 24
58) 2-CHLOROETHYLVINYLETHER	5.995	63	1110	0.73	UG/L	# 60
59) MIBK	6.274	43	14203	3.10	UG/L	97
60) CIS-1,3-DICHLOROPROPENE	6.115	75	1105	0.23	UG/L	# 51
61) TOLUENE	6.419	91	4377	0.38	UG/L	96
62) TRANS-1,3,-DICHLOROPRO...	6.659	75	1107	0.26	UG/L	# 48
65) 2-HEXANONE	7.099	43	16266	4.95	UG/L	87
66) TETRACHLOROETHENE	6.946	166	2966	1.12	UG/L	# 81
67) 1,3-DICHLOROPROPANE	6.988	76	917	0.18	UG/L	# 43

Data Path : C:\msdchem\1\data\C080822\
 Data File : C22V21920.D
 Acq On : 8 Aug 2022 2:47 pm
 Operator :
 Sample : ETOH500PPB
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Inst : GCMSVOA3

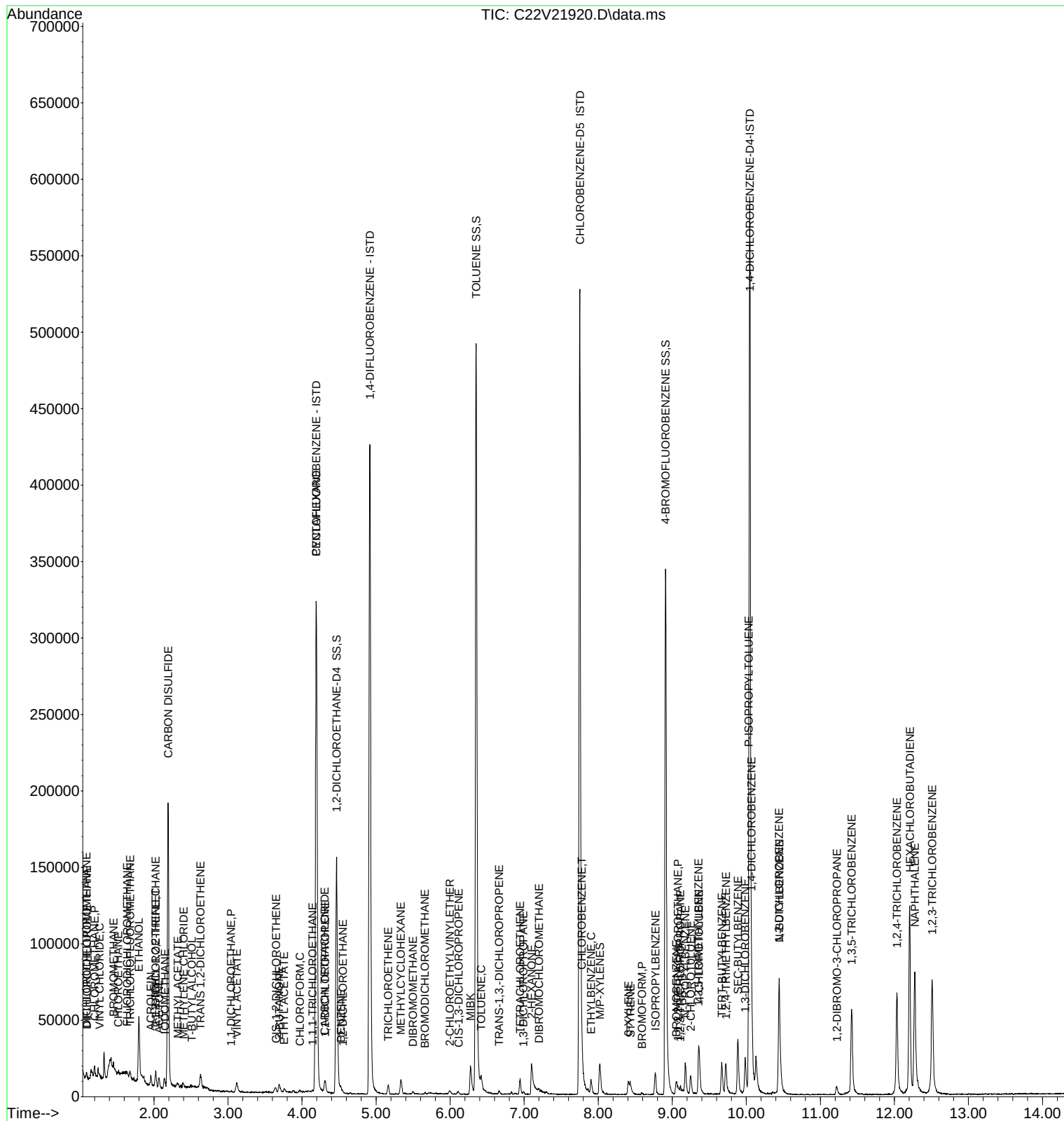
Quant Time: Aug 09 06:27:05 2022
 Quant Method : C:\msdchem\1\methods\C051619.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Mon Aug 08 11:15:01 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) DIBROMOCHLOROMETHANE	7.200	129	722	0.23	UG/L	96
72) CHLOROBENZENE	7.777	112	4175	0.59	UG/L #	89
74) ETHYLBENZENE	7.902	91	7172	0.59	UG/L	96
75) M/P-XYLENES	8.022	91	12711	1.38	UG/L	89
76) O-XYLENE	8.407	91	4974	0.53	UG/L	91
77) STYRENE	8.435	104	4121	0.54	UG/L	92
78) BROMOFORM	8.591	173	668	0.30	UG/L #	36
79) ISOPROPYLBENZENE	8.773	105	9405	0.86	UG/L	96
81) 1,1,2,2-TETRACHLOROETHANE	9.076	83	2512	0.60	UG/L #	95
83) BROMOBENZENE	9.054	77	3853	0.77	UG/L	88
84) 1,2,3-TRICHLOROPROPANE	9.107	75	1057	0.30	UG/L #	38
85) N-PROPYLBENZENE	9.177	91	16276	1.26	UG/L	96
86) 2-CHLOROTOLUENE	9.249	91	6155	0.75	UG/L	88
87) 1,3,5-TRIMETHYLBENZENE	9.355	105	10797	1.18	UG/L #	57
88) 4-CHLOROTOLUENE	9.361	91	10724	1.15	UG/L	99
90) TERT-BUTYLBENZENE	9.670	119	10477	1.40	UG/L	92
91) 1,2,4-TRIMETHYLBENZENE	9.726	105	11450	1.21	UG/L	100
92) SEC-BUTYLBENZENE	9.888	105	23009	2.17	UG/L	100
93) 1,3-DICHLOROBENZENE	9.986	146	10627	1.94	UG/L	97
94) P-ISOPROPYLTOLUENE	10.033	119	22412	2.46	UG/L	96
95) 1,4-DICHLOROBENZENE	10.069	146	10570	1.82	UG/L #	71
97) N-BUTYLBENZENE	10.448	91	34118	4.16	UG/L	99
98) 1,2-DICHLOROBENZENE	10.440	146	9828	1.77	UG/L	92
99) 1,2-DIBROMO-3-CHLOROPR...	11.221	75	1723	2.26	UG/L	89
100) 1,3,5-TRICHLOROBENZENE	11.422	180	19830	5.24	UG/L	98
101) 1,2,4-TRICHLOROBENZENE	12.035	180	23644	6.64	UG/L	99
102) HEXACHLOROBUTADIENE	12.208	225	25802	19.02	UG/L	96
103) NAPHTHALENE	12.275	128	77522	7.28	UG/L	99
104) 1,2,3-TRICHLOROBENZENE	12.509	180	30866	8.72	UG/L	93

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

324

Quant Time: Aug 09 06:27:05 2022
Quant Method : C:\msdchem\1\methods\C051619.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Mon Aug 08 11:15:01 2022
Response via : Initial Calibration



Data Path : C:\msdchem\1\data\C080822\
 Data File : C22V21921.D
 Acq On : 8 Aug 2022 3:11 pm
 Operator :
 Sample : ETOH1000PPB
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Inst : GCMSVOA3

Quant Time: Aug 09 06:27:24 2022
 Quant Method : C:\msdchem\1\methods\C051619.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Mon Aug 08 11:15:01 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	4.191	168	196471	30.00	UG/L	0.00
48) 1,4-DIFLUOROBENZENE - ...	4.916	114	292968	30.00	UG/L	0.00
70) CHLOROBENZENE-D5 ISTD	7.752	82	142427	30.00	UG/L	0.00
89) 1,4-DICHLOROBENZENE-D4...	10.047	152	135574	30.00	UG/L	# 0.00
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.467	65	93593	25.32	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	101.28%	
49) TOLUENE SS	6.352	98	287212	24.58	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	98.32%	
71) 4-BROMOFLUOROBENZENE SS	8.909	95	104742	24.79	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	99.16%	
Target Compounds						
					Qvalue	
3) DICHLORODIFLUOROMETHANE	1.087	85	837	0.26	UG/L	# 43
5) CHLOROMETHANE	1.199	50	2662	0.62	UG/L	# 32
6) VINYL CHLORIDE	1.263	62	509	0.15	UG/L	# 1
7) BROMOMETHANE	1.450	94	1472	0.79	UG/L	# 71
10) TRICHLOROFLUOROMETHANE	1.673	101	775	0.20	UG/L	# 79
11) ETHANOL	1.801	45	65128	972.62	UG/L	# 88
13) ACROLEIN	1.960	56	1154	1.43	UG/L	# 70
14) ACETONE	2.066	43	3193	2.59	UG/L	# 99
15) 1,1-DICHLOROETHENE	2.024	61	749	0.20	UG/L	# 28
16) 1,1,2-TRICL-1,2,2-TRIF...	2.021	101	968	0.46	UG/L	# 3
17) IODOMETHANE	2.144	142	5597	1.80	UG/L	# 91
20) METHYL ACETATE	2.320	43	1308	0.34	UG/L	# 64
24) CARBON DISULFIDE	2.189	76	78744	10.74	UG/L	# 100
26) TRANS 1,2-DICHLOROETHENE	2.638	61	1359	0.35	UG/L	# 52
28) VINYL ACETATE	3.123	43	2316	0.23	UG/L	# 78
31) 2-BUTANONE	3.695	43	2131	0.96	UG/L	# 61
33) CIS-1,2-DICHLOROETHENE	3.761	61	517	0.11	UG/L	# 20
35) ETHYL ACETATE	3.761	43	4059	0.91	UG/L	# 90
42) CYCLOHEXANE	4.188	56	4591	0.99	UG/L	# 28
44) 1,1-DICHLOROPROPENE	4.308	75	1018	0.28	UG/L	# 39
45) BENZENE	4.526	78	1317	0.12	UG/L	# 1
51) TRICHLOROETHENE	5.161	95	658	0.26	UG/L	# 37
52) METHYLCYCLOHEXANE	5.337	83	1173	0.33	UG/L	# 78
59) MIBK	6.285	43	4206	0.93	UG/L	# 91
61) TOLUENE	6.419	91	1644	0.15	UG/L	# 95
65) 2-HEXANONE	7.125	43	3306	1.01	UG/L	# 51
66) TETRACHLOROETHENE	6.949	166	1136	0.43	UG/L	# 61
72) CHLOROBENZENE	7.777	112	923	0.13	UG/L	# 1
74) ETHYLBENZENE	7.911	91	2546	0.21	UG/L	# 83
75) M/P-XYLENES	8.025	91	4476	0.49	UG/L	# 93
77) STYRENE	8.444	104	1378	0.18	UG/L	# 31
79) ISOPROPYLBENZENE	8.775	105	2993	0.27	UG/L	# 86
83) BROMOBENZENE	9.054	77	1070	0.21	UG/L	# 45
85) N-PROPYLBENZENE	9.185	91	5906	0.46	UG/L	# 86
86) 2-CHLOROTOLUENE	9.252	91	1232	0.15	UG/L	# 85
87) 1,3,5-TRIMETHYLBENZENE	9.361	105	3213	0.35	UG/L	# 60
88) 4-CHLOROTOLUENE	9.369	91	3904	0.42	UG/L	# 86
90) TERT-BUTYLBENZENE	9.671	119	2751	0.38	UG/L	# 90
91) 1,2,4-TRIMETHYLBENZENE	9.726	105	3715	0.40	UG/L	# 99
92) SEC-BUTYLBENZENE	9.885	105	5865	0.57	UG/L	# 73
93) 1,3-DICHLOROBENZENE	9.994	146	3476	0.65	UG/L	# 95
94) P-ISOPROPYLTOLUENE	10.036	119	6187	0.70	UG/L	# 80
95) 1,4-DICHLOROBENZENE	10.075	146	4181	0.74	UG/L	# 76

Data Path : C:\msdchem\1\data\C080822\
 Data File : C22V21921.D
 Acq On : 8 Aug 2022 3:11 pm
 Operator :
 Sample : ETOH1000PPB
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Inst : GCMSVOA3

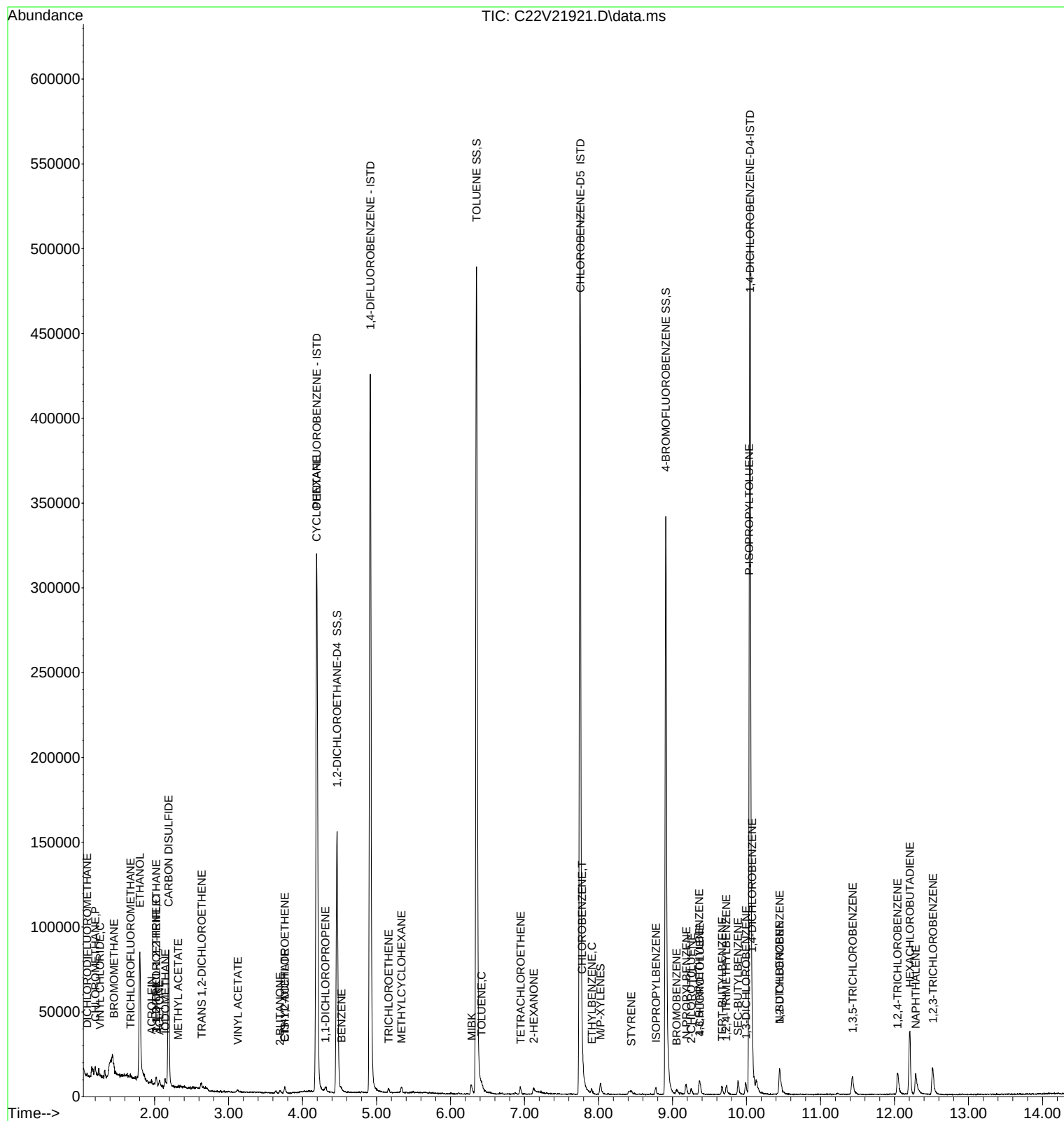
Quant Time: Aug 09 06:27:24 2022
 Quant Method : C:\msdchem\1\methods\C051619.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Mon Aug 08 11:15:01 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97) N-BUTYLBENZENE	10.446	91	8550	1.07	UG/L #	89
98) 1,2-DICHLOROBENZENE	10.449	146	3114	0.58	UG/L #	79
100) 1,3,5-TRICHLOROBENZENE	11.436	180	5189	1.41	UG/L	100
101) 1,2,4-TRICHLOROBENZENE	12.038	180	5666	1.63	UG/L	88
102) HEXACHLOROBUTADIENE	12.205	225	8752	6.61	UG/L	96
103) NAPHTHALENE	12.284	128	13674	1.32	UG/L #	89
104) 1,2,3-TRICHLOROBENZENE	12.518	180	7072	2.05	UG/L	90

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

327

Quant Time: Aug 09 06:27:24 2022
Quant Method : C:\msdchem\1\methods\C051619.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Mon Aug 08 11:15:01 2022
Response via : Initial Calibration



Data Path : C:\msdchem\1\data\C080822\
 Data File : C22V21922.D
 Acq On : 8 Aug 2022 3:35 pm
 Operator :
 Sample : ET0H2000PPB
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Inst : GCMSVOA3

Quant Time: Aug 09 06:27:41 2022
 Quant Method : C:\msdchem\1\methods\C051619.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Mon Aug 08 11:15:01 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	4.191	168	194717	30.00	UG/L	0.00
48) 1,4-DIFLUOROBENZENE - ...	4.913	114	288866	30.00	UG/L	0.00
70) CHLOROBENZENE-D5 ISTD	7.752	82	140108	30.00	UG/L	0.00
89) 1,4-DICHLOROBENZENE-D4...	10.044	152	133200	30.00	UG/L	# 0.00
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.464	65	93586	25.55	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	102.20%	
49) TOLUENE SS	6.349	98	283603	24.62	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	98.48%	
71) 4-BROMOFLUOROBENZENE SS	8.909	95	103874	24.99	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	99.96%	
Target Compounds						
					Qvalue	
5) CHLOROMETHANE	1.193	50	2851	0.67	UG/L	# 41
7) BROMOMETHANE	1.447	94	1288	0.70	UG/L	# 87
8) CHLOROETHANE	1.567	64	562	0.30	UG/L	# 41
11) ETHANOL	1.812	45	133196	2007.06	UG/L	# 85
13) ACROLEIN	1.954	56	527	0.66	UG/L	# 46
14) ACETONE	2.066	43	2714	2.22	UG/L	# 91
17) IODOMETHANE	2.141	142	5800	1.88	UG/L	# 97
20) METHYL ACETATE	2.066	43	2714	0.72	UG/L	# 64
24) CARBON DISULFIDE	2.188	76	47451	6.53	UG/L	# 99
26) TRANS 1,2-DICHLOROETHENE	2.632	61	848	0.22	UG/L	# 67
31) 2-BUTANONE	3.691	43	1130	0.52	UG/L	# 61
33) CIS-1,2-DICHLOROETHENE	3.756	61	1103	0.24	UG/L	# 20
35) ETHYL ACETATE	3.753	43	7689	1.74	UG/L	# 97
42) CYCLOHEXANE	4.193	56	4121	0.90	UG/L	# 24
44) 1,1-DICHLOROPROPENE	4.311	75	577	0.16	UG/L	# 39
51) TRICHLOROETHENE	5.169	95	314	0.12	UG/L	# 1
59) MIBK	6.290	43	2185	0.49	UG/L	# 79
61) TOLUENE	6.419	91	1104	0.10	UG/L	# 21
65) 2-HEXANONE	7.141	43	909	0.28	UG/L	# 26
66) TETRACHLOROETHENE	6.949	166	626	0.24	UG/L	# 22
72) CHLOROBENZENE	7.782	112	908	0.13	UG/L	# 1
74) ETHYLBENZENE	7.908	91	1575	0.13	UG/L	# 42
75) M/P-XYLENES	8.031	91	2556	0.28	UG/L	# 76
85) N-PROPYLBENZENE	9.185	91	3341	0.26	UG/L	# 91
86) 2-CHLOROTOLUENE	9.255	91	1057	0.13	UG/L	# 39
87) 1,3,5-TRIMETHYLBENZENE	9.364	105	1676	0.19	UG/L	# 95
88) 4-CHLOROTOLUENE	9.375	91	2005	0.22	UG/L	# 92
90) TERT-BUTYLBENZENE	9.670	119	1329	0.18	UG/L	# 79
91) 1,2,4-TRIMETHYLBENZENE	9.734	105	2161	0.24	UG/L	# 86
92) SEC-BUTYLBENZENE	9.891	105	3475	0.34	UG/L	# 88
93) 1,3-DICHLOROBENZENE	9.991	146	1968	0.37	UG/L	# 66
94) P-ISOPROPYLTOLUENE	10.033	119	3115	0.36	UG/L	# 84
95) 1,4-DICHLOROBENZENE	10.066	146	2417	0.43	UG/L	# 77
97) N-BUTYLBENZENE	10.454	91	4043	0.51	UG/L	# 46
100) 1,3,5-TRICHLOROBENZENE	11.436	180	2605	0.72	UG/L	# 49
101) 1,2,4-TRICHLOROBENZENE	12.049	180	1601	0.47	UG/L	# 95
102) HEXACHLOROBUTADIENE	12.208	225	3802	2.92	UG/L	# 87
103) NAPHTHALENE	12.297	128	1765	0.17	UG/L	# 72
104) 1,2,3-TRICHLOROBENZENE	12.526	180	2865	0.84	UG/L	# 68

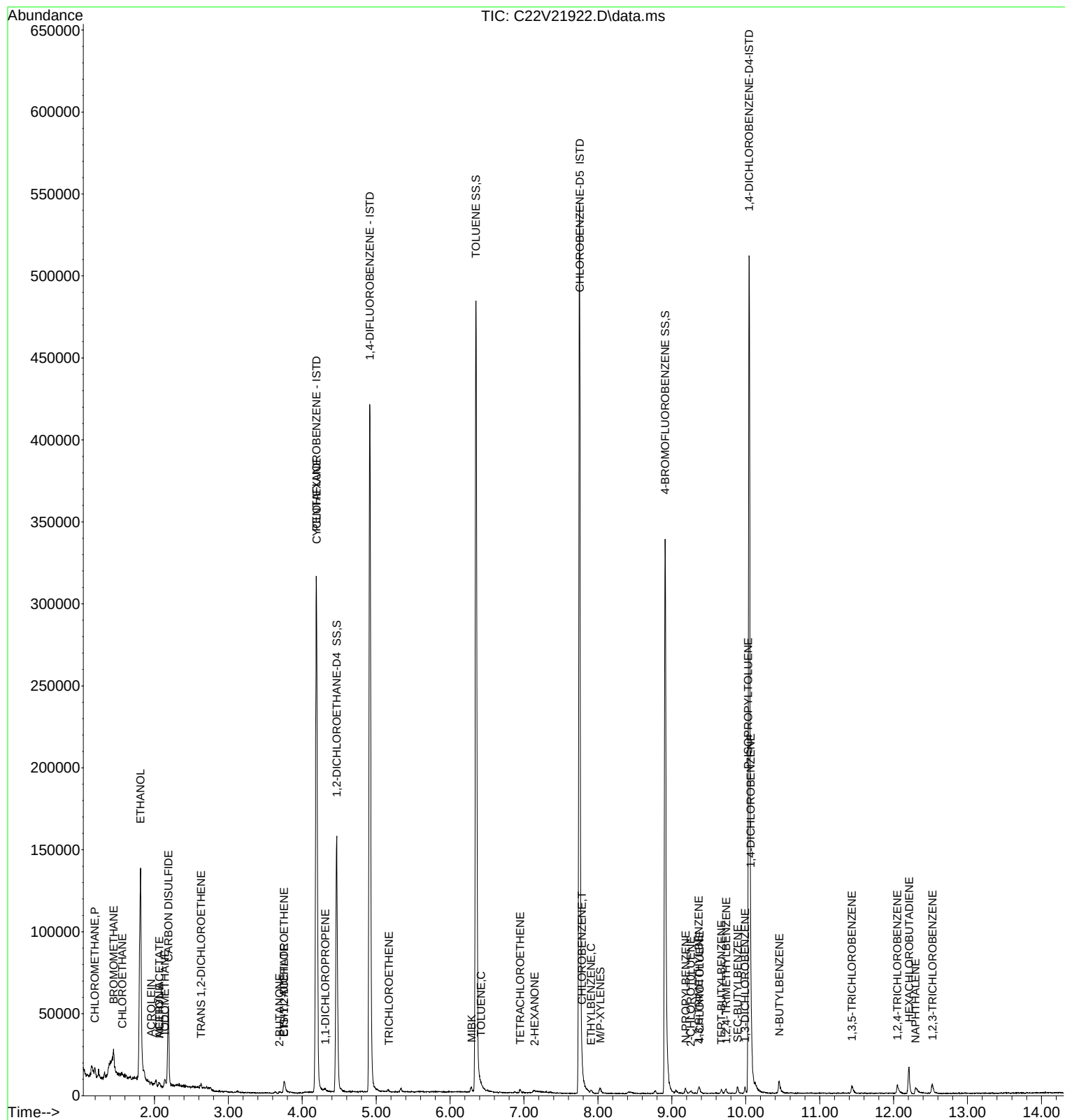
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21922.D
Acq On : 8 Aug 2022 3:35 pm
Operator :
Sample : ET0H2000PPB
Misc :
ALS Vial : 22 Sample Multiplier: 1

329

Inst : GCMSVOA3

Quant Time: Aug 09 06:27:41 2022
Quant Method : C:\msdchem\1\methods\C051619.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Mon Aug 08 11:15:01 2022
Response via : Initial Calibration



Data Path : C:\msdchem\1\data\C080822\
 Data File : C22V21926.D
 Acq On : 8 Aug 2022 5:12 pm
 Operator :
 Sample : ICV 2208129
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Inst : GCMSVOA3

Quant Time: Aug 09 06:49:54 2022
 Quant Method : C:\msdchem\1\methods\C080822.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Tue Aug 09 06:47:59 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	4.193	168	189774	30.00	UG/L	0.00
48) 1,4-DIFLUOROBENZENE - ...	4.916	114	281536	30.00	UG/L	0.00
70) CHLOROBENZENE-D5 ISTD	7.752	82	138214	30.00	UG/L	0.00
89) 1,4-DICHLOROBENZENE-D4...	10.047	152	136546	30.00	UG/L	# 0.00
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.467	65	88891	24.96	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	99.84%	
49) TOLUENE SS	6.352	98	277727	24.91	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	99.64%	
71) 4-BROMOFLUOROBENZENE SS	8.909	95	102198	24.94	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	99.76%	
Target Compounds						
3) DICHLORODIFLUOROMETHANE	1.090	85	24441	8.90	UG/L	Qvalue 97
4) DIFLUOROCHLOROMETHANE	1.093	51	29578	8.17	UG/L	# 100
5) CHLOROMETHANE	1.198	50	36170m	8.06	UG/L	
6) VINYL CHLORIDE	1.263	62	29514	8.94	UG/L	94
7) BROMOMETHANE	1.452	94	15899m	8.16	UG/L	
8) CHLOROETHANE	1.519	64	20717	9.09	UG/L	99
9) FLUORODICHLOROMETHANE	1.639	67	56239	10.58	UG/L	99
10) TRICHLOROFLUOROMETHANE	1.675	101	42573	10.53	UG/L	94
11) ETHANOL	1.801	45	6264	95.52	UG/L	# 82
12) DI ETHYL ETHER	1.865	59	28172m	11.99	UG/L	
13) ACROLEIN	1.957	56	89006	153.83	UG/L	100
14) ACETONE	2.069	43	116334	100.99	UG/L	94
15) 1,1-DICHLOROETHENE	2.027	61	41586	10.11	UG/L	99
16) 1,1,2-TRICL-1,2,2-TRIF...	2.021	101	26578	11.13	UG/L	89
17) IODOMETHANE	2.141	142	31157	9.09	UG/L	97
20) METHYL ACETATE	2.317	43	49693	11.08	UG/L	96
21) T-BUTYL ALCOHOL	2.509	59	44372	97.65	UG/L	# 99
22) ACRYLONITRILE	2.618	53	16286	11.39	UG/L	96
23) METHYLENE CHLORIDE	2.395	49	42231	10.39	UG/L	96
24) CARBON DISULFIDE	2.191	76	95591m	11.97	UG/L	
25) METHYL TERT-BUTYL ETHE...	2.640	73	98067	10.97	UG/L	96
26) TRANS 1,2-DICHLOROETHENE	2.632	61	41248	10.55	UG/L	95
27) 1,1-DICHLOROETHANE	3.045	63	54352	10.90	UG/L	99
28) VINYL ACETATE	3.111	43	822655	99.08	UG/L	98
29) DI ISOPROYL ETHER	3.128	45	113424	11.50	UG/L	97
31) 2-BUTANONE	3.675	43	179263	107.58	UG/L	97
32) T-BUTYL ETHYL ETHER	3.502	59	97575	11.15	UG/L	100
33) CIS-1,2-DICHLOROETHENE	3.641	61	47371	10.91	UG/L	94
34) 2,2-DICHLOROPROPANE	3.636	77	40028	10.39	UG/L	93
35) ETHYL ACETATE	3.750	43	37243	9.05	UG/L	98
38) BROMOCHLOROMETHANE	3.881	49	28286	11.79	UG/L	99
39) TETRAHYDROFURAN	3.945	42	11088	9.34	UG/L	# 80
40) CHLOROFORM	3.970	83	51878	10.80	UG/L	96
41) 1,1,1-TRICHLOROETHANE	4.143	97	43242	10.81	UG/L	96
42) CYCLOHEXANE	4.191	56	47912	10.70	UG/L	93
43) CARBON TETRACHLORIDE	4.308	117	35593	10.65	UG/L	97
44) 1,1-DICHLOROPROPENE	4.311	75	36982	10.68	UG/L	95
45) BENZENE	4.517	78	117993	11.19	UG/L	97
47) T-AMYL METHYL ETHER	4.651	73	90203	10.86	UG/L	96
50) 1,2-DICHLOROETHANE	4.542	62	43574	10.86	UG/L	98
51) TRICHLOROETHANE	5.158	95	28612	11.01	UG/L	92
52) METHYLCYCLOHEXANE	5.337	83	36996	11.92	UG/L	94
53) 1,2-DICHLOROPROPANE	5.381	63	32215	11.21	UG/L	# 99

Data Path : C:\msdchem\1\data\C080822\
 Data File : C22V21926.D
 Acq On : 8 Aug 2022 5:12 pm
 Operator :
 Sample : ICV 2208129
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Inst : GCMSVOA3

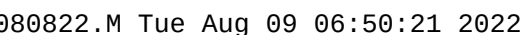
Quant Time: Aug 09 06:49:54 2022
 Quant Method : C:\msdchem\1\methods\C080822.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Tue Aug 09 06:47:59 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
54) DIBROMOMETHANE	5.493	93	20111	10.73	UG/L	95
56) 1,4-DIOXANE	5.538	88	4002	90.13	UG/L #	63
57) BROMODICHLOROMETHANE	5.660	83	41309	11.17	UG/L	97
59) MIBK	6.268	43	389646	100.97	UG/L	99
60) CIS-1,3-DICHLOROPROPENE	6.098	75	49439	11.13	UG/L	95
61) TOLUENE	6.416	91	124756	11.12	UG/L	98
62) TRANS-1,3,-DICHLOROPRO...	6.650	75	45740	11.94	UG/L	93
64) 1,1,2-TRICHLOROETHANE	6.820	97	29172	11.11	UG/L	94
65) 2-HEXANONE	7.085	43	277547	104.01	UG/L	99
66) TETRACHLOROETHENE	6.937	166	30129	11.43	UG/L	98
67) 1,3-DICHLOROPROPANE	6.979	76	51563	11.04	UG/L	99
68) DIBROMOCHLOROMETHANE	7.191	129	32115	10.17	UG/L	99
69) 1,2-DIBROMOETHANE	7.297	107	32069	11.42	UG/L	100
72) CHLOROBENZENE	7.780	112	81462	11.22	UG/L	94
73) 1,1,1,2-TETRACHLOROETHANE	7.863	131	29516	10.96	UG/L	97
74) ETHYLBENZENE	7.897	91	137483	11.71	UG/L	96
75) M/P-XYLENES	8.014	91	208536	22.74	UG/L	97
76) O-XYLENE	8.399	91	109906	11.39	UG/L	99
77) STYRENE	8.415	104	88231	11.38	UG/L	95
78) BROMOFORM	8.583	173	24384	10.11	UG/L #	96
79) ISOPROPYLBENZENE	8.764	105	124696	11.30	UG/L	98
81) 1,1,2,2-TETRACHLOROETHANE	9.068	83	46483	10.99	UG/L	93
82) 1,4-DICHLORO-2-BUTENE(...	9.135	53	9616	8.71	UG/L #	80
83) BROMOBENZENE	9.048	77	54575	11.34	UG/L	93
84) 1,2,3-TRICHLOROPROPANE	9.104	75	34367	9.91	UG/L	100
85) N-PROPYLBENZENE	9.171	91	141646	11.48	UG/L	98
86) 2-CHLOROTOLUENE	9.244	91	91912	11.42	UG/L	97
87) 1,3,5-TRIMETHYLBENZENE	9.350	105	103276	11.42	UG/L	97
88) 4-CHLOROTOLUENE	9.355	91	101269	11.07	UG/L	98
90) TERT-BUTYLBENZENE	9.665	119	83076	11.36	UG/L	96
91) 1,2,4-TRIMETHYLBENZENE	9.718	105	101956	11.34	UG/L	99
92) SEC-BUTYLBENZENE	9.885	105	116837m	11.98	UG/L	
93) 1,3-DICHLOROBENZENE	9.980	146	62605	11.53	UG/L	98
94) P-ISOPROPYLTOLUENE	10.036	119	99302	11.84	UG/L	98
95) 1,4-DICHLOROBENZENE	10.072	146	62600	10.82	UG/L	96
96) 1,2,3-TRIMETHYLBENZENE	10.128	105	109442	10.98	UG/L #	100
97) N-BUTYLBENZENE	10.443	91	78874	11.18	UG/L	95
98) 1,2-DICHLOROBENZENE	10.434	146	62162	11.25	UG/L	99
99) 1,2-DIBROMO-3-CHLOROPR...	11.215	75	8035	10.70	UG/L	89
100) 1,3,5-TRICHLOROBENZENE	11.419	180	38892	11.53	UG/L	100
101) 1,2,4-TRICHLOROBENZENE	12.032	180	32526	10.52	UG/L	97
102) HEXACHLOROBUTADIENE	12.205	225	14795	11.39	UG/L	95
103) NAPHTHALENE	12.275	128	87171	9.41	UG/L	100
104) 1,2,3-TRICHLOROBENZENE	12.512	180	31367	10.38	UG/L	99

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

332

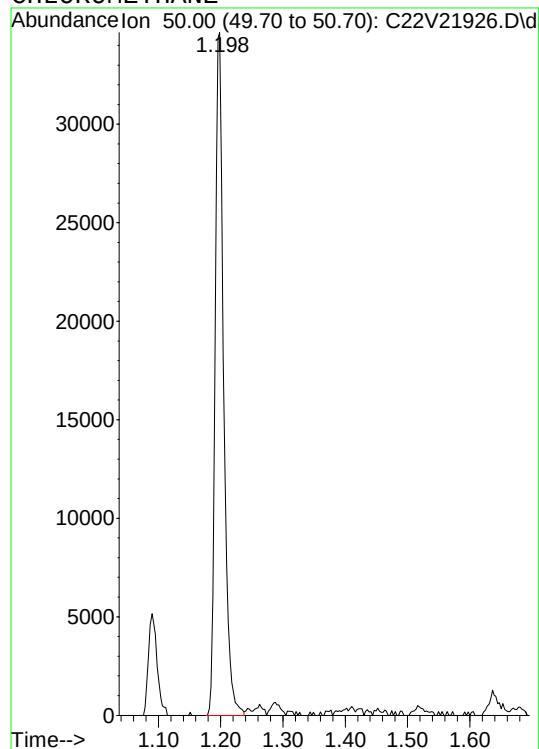
Quant Time: Aug 09 06:49:54 2022
Quant Method : C:\msdchem\1\methods\C080822.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Tue Aug 09 06:47:59 2022
Response via : Initial Calibration



Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21926.D
Acq On : 8 Aug 2022 5:12 pm
Operator :
Sample : ICV 2208129
Misc :

Quant Time : Tue Aug 09 06:49:54 2022
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Tue Aug 09 06:47:59 2022

Original Integration
CHLOROMETHANE



Original Int. Results

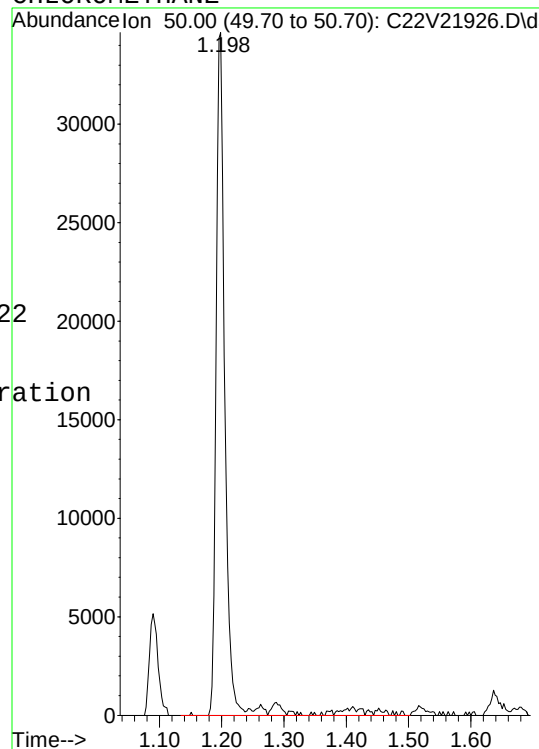
RT : 1.20
Area : 33011
Amount: 7.35473

Manual Int. Results

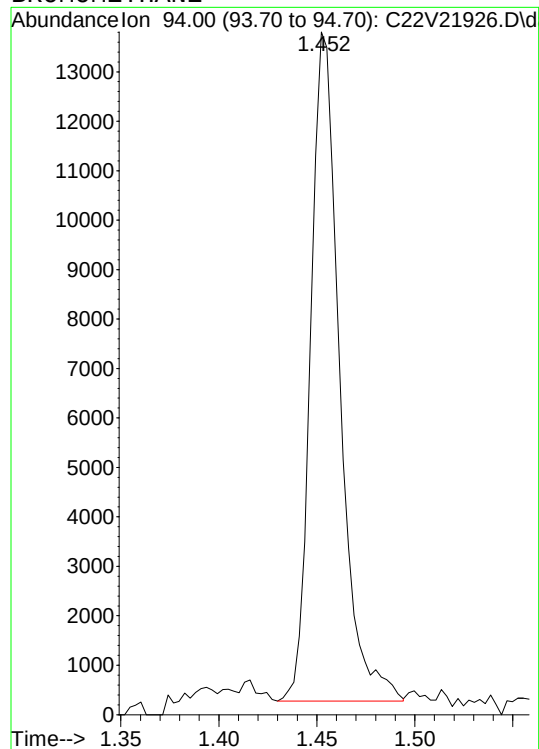
Tue Aug 09 06:49:07 2022

MIuser: EEH
Reason: Incoret Integration
RT : 1.20
Area : 36170
Amount: 8.05854

Manual Integration
CHLOROMETHANE



Original Integration
BROMOMETHANE



Original Int. Results

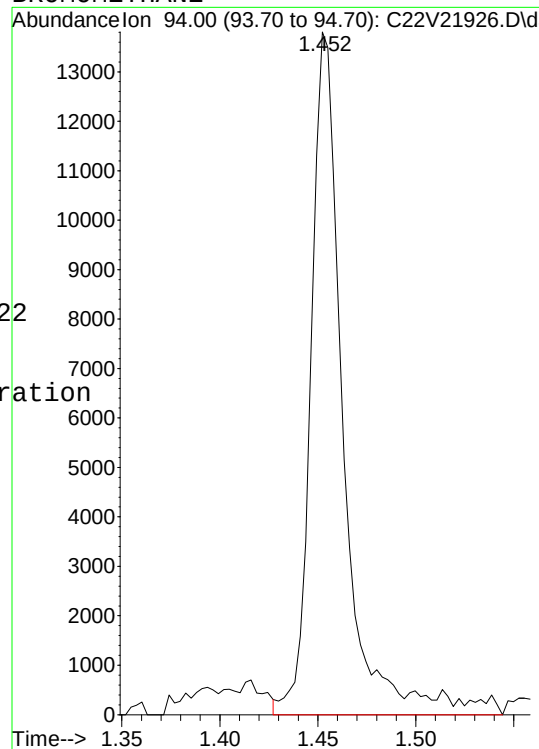
RT : 1.45
Area : 13859
Amount: 7.11414

Manual Int. Results

Tue Aug 09 06:49:20 2022

MIuser: EEH
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Area : 15899
Amount: 8.16132

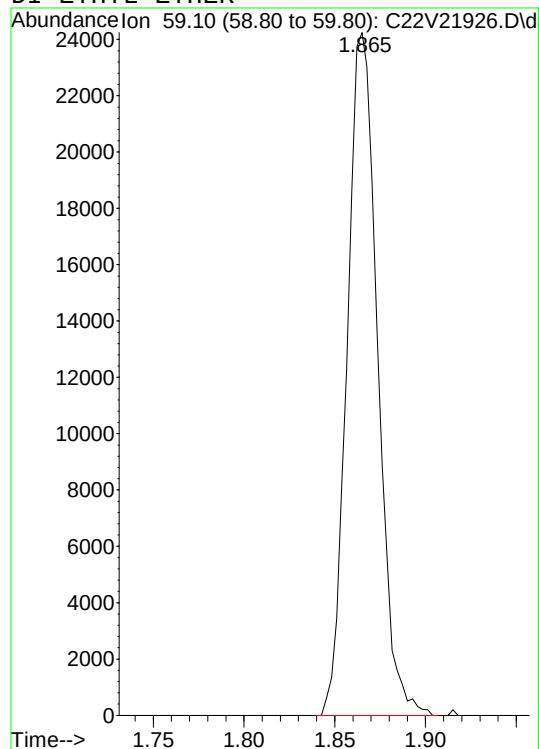
Manual Integration
BROMOMETHANE



Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21926.D
Acq On : 8 Aug 2022 5:12 pm
Operator :
Sample : ICV 2208129
Misc :

Quant Time : Tue Aug 09 06:49:54 2022
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Tue Aug 09 06:47:59 2022

Original Integration
DI ETHYL ETHER



Original Int. Results

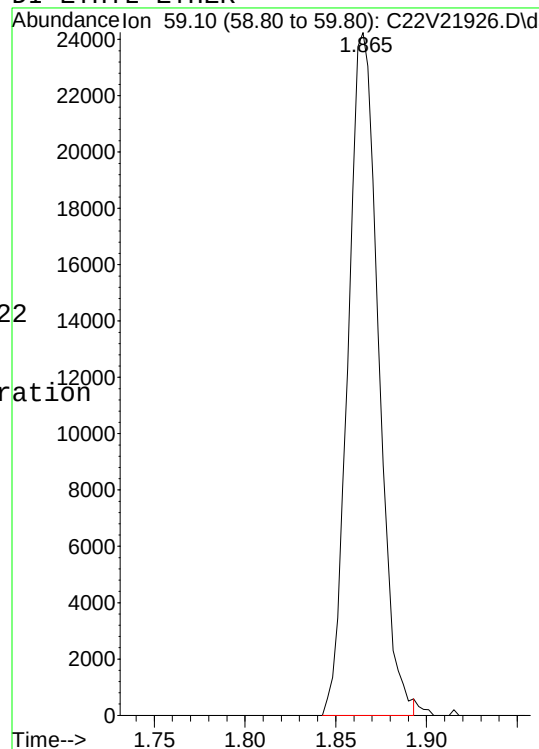
RT : 1.86
Area : 28303
Amount: 12.0481

Manual Int. Results

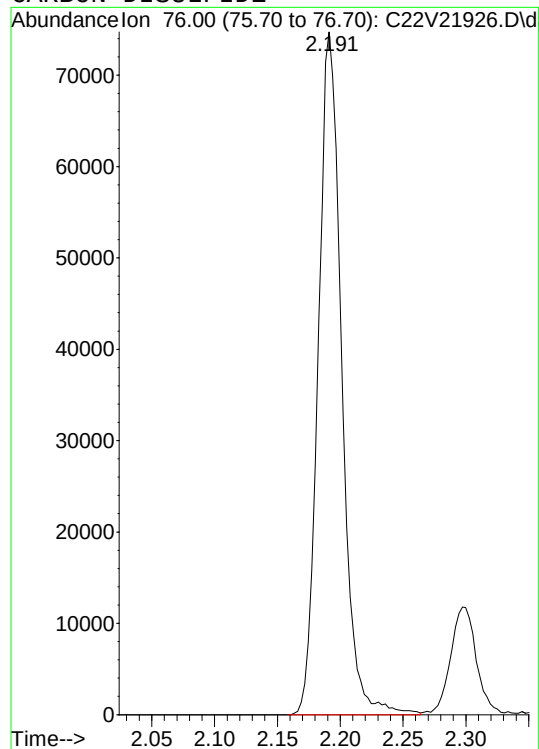
Tue Aug 09 06:49:54 2022

MIuser: EEH
Reason: Incoret Integration
RT : 1.86
Area : 28172
Amount: 11.9924

Manual Integration
DI ETHYL ETHER



Original Integration
CARBON DISULFIDE



Original Int. Results

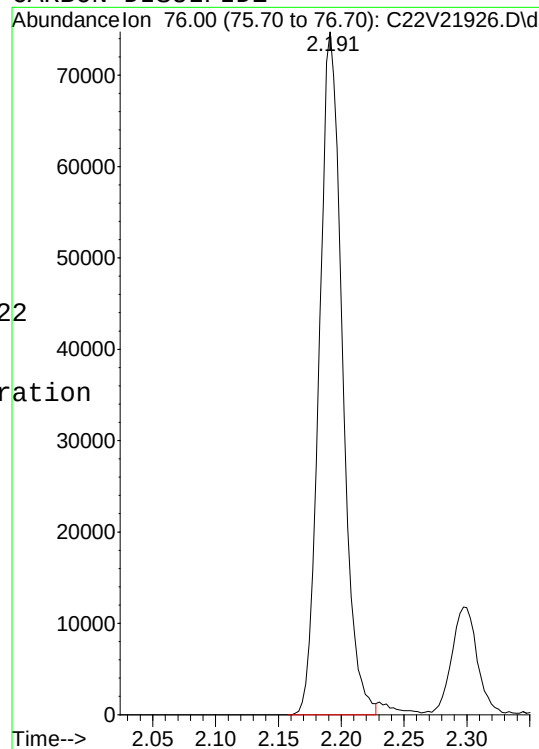
RT : 2.19
Area : 97000
Amount: 12.1458

Manual Int. Results

Tue Aug 09 06:49:28 2022

MIuser: EEH
Reason: Incoret Integration
RT : 2.19
Area : 95591
Amount: 11.9694

Manual Integration
CARBON DISULFIDE

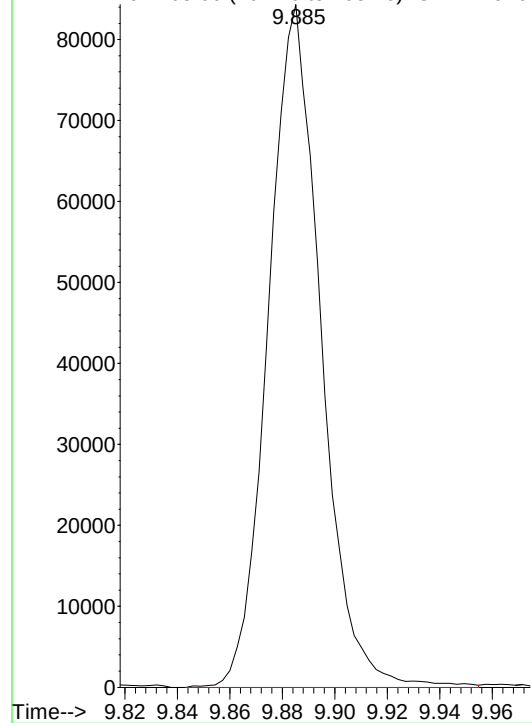


Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21926.D
Acq On : 8 Aug 2022 5:12 pm
Operator :
Sample : ICV 2208129
Misc :

Quant Time : Tue Aug 09 06:49:54 2022
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Tue Aug 09 06:47:59 2022

Original Integration
SEC-BUTYLBENZENE

Abundance on 105.00 (104.70 to 105.70): C22V21926.D



Original Int. Results

RT : 9.89
Area : 117544
Amount: 12.0487

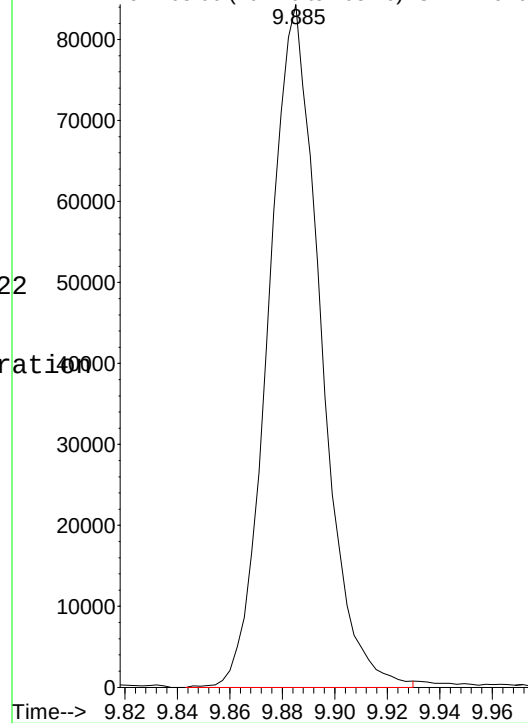
Manual Int. Results

Tue Aug 09 06:49:35 2022

MIuser: EEH
Reason: Incoret Integration
RT : 9.89
Area : 116837
Amount: 11.9763

Manual Integration
SEC-BUTYLBENZENE

Abundance on 105.00 (104.70 to 105.70): C22V21926.D



INITIAL CALIBRATION VERIFICATION

SW-846 8260D

Laboratory:	Pace New England	Work Order:	23G3932
Client:	NYDEC_AECOM - Buffalo, NY	Project:	C.A.E. Electronics_CAT B - CO 147580
Instrument ID:	GCMSVOA3	Calibration:	2200537
Lab File ID:	C22V21926.D	Calibration Date:	08/08/22 10:18
Sequence:	S075427	Injection Date:	08/08/22
Lab Sample ID:	S075427-ICV1	Injection Time:	17:12

COMPOUND	TYPE	CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Acetone	A	100	101	0.1820924	0.183904		1.0	30
Acrolein	A	100	154	9.146822E-02	0.1407032		53.8	30 *
Acrylonitrile	A	10.0	11.4	0.22594	0.2574536		13.9	30
tert-Amyl Methyl Ether (TAME)	A	10.0	10.9	1.312452	1.425954		8.6	30
Benzene	A	10.0	11.2	1.667645	1.865266		11.9	30
Bromobenzene	A	10.0	11.3	1.045039	1.184576		13.4	30
Bromochloromethane	A	10.0	11.8	0.3793018	0.4471529		17.9	30
Bromodichloromethane	A	10.0	11.2	0.3940258	0.4401817		11.7	30
Bromoform	A	10.0	10.1	0.5234936	0.5292662		1.1	30
Bromomethane	A	10.0	8.16	0.3079598	0.2513358		-18.4	30
2-Butanone (MEK)	A	100	108	0.2634095	0.2833839		7.6	30
tert-Butyl Alcohol (TBA)	A	100	97.6	7.183306E-02	7.014449E-02		-2.4	30
n-Butylbenzene	A	10.0	11.2	1.549707	1.732911		11.8	30
sec-Butylbenzene	A	10.0	12.0	2.143392	2.566981		19.8	30
tert-Butylbenzene	A	10.0	11.4	1.606643	1.825231		13.6	30
tert-Butyl Ethyl Ether (TBEE)	A	10.0	11.2	1.383365	1.542493		11.5	30
Carbon Disulfide	A	10.0	12.0	1.250483	1.511129		20.8	30
Carbon Tetrachloride	A	10.0	10.6	0.528229	0.562664		6.5	30
Chlorobenzene	A	10.0	11.2	1.57638	1.768171		12.2	30
Chlorodibromomethane	A	10.0	10.2	0.3363907	0.342212		1.7	30
Chloroethane	A	10.0	9.09	0.3601205	0.3275001		-9.1	30
Chloroform	A	10.0	10.8	0.7591359	0.8201018		8.0	30
Chloromethane	A	10.0	8.06	0.7095398	0.5717854		-19.4	30
2-Chlorotoluene	A	10.0	11.4	1.746367	1.994993		14.2	30
4-Chlorotoluene	A	10.0	11.1	1.985163	2.198091		10.7	30
Cyclohexane	A	10.0	10.7	0.7080121	0.7574062		7.0	30
1,2-Dibromo-3-chloropropane (DBCP)	A	10.0	10.7	0.1649304	0.1765339		7.0	30
1,2-Dibromoethane (EDB)	A	10.0	11.4	0.299296	0.3417218		14.2	30
Dibromomethane	A	10.0	10.7	0.1997103	0.2142994		7.3	30

INITIAL CALIBRATION VERIFICATION

SW-846 8260D

Laboratory:	Pace New England	Work Order:	23G3932
Client:	NYDEC_AECOM - Buffalo, NY	Project:	C.A.E. Electronics_CAT B - CO 147580
Instrument ID:	GCMSVOA3	Calibration:	2200537
Lab File ID:	C22V21926.D	Calibration Date:	08/08/22 10:18
Sequence:	S075427	Injection Date:	08/08/22
Lab Sample ID:	S075427-ICV1	Injection Time:	17:12

COMPOUND	TYPE	CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
1,2-Dichlorobenzene	A	10.0	11.2	1.213634	1.365738		12.5	30
1,3-Dichlorobenzene	A	10.0	11.5	1.193097	1.375471		15.3	30
1,4-Dichlorobenzene	A	10.0	10.8	1.270795	1.375361		8.2	30
trans-1,4-Dichloro-2-butene	A	10.0	8.71	0.239735	0.2087198		-12.9	30
Dichlorodifluoromethane (Freon 12)	A	10.0	8.90	0.4341094	0.3863701		-11.0	30
1,1-Dichloroethane	A	10.0	10.9	0.787926	0.8592115		9.0	30
1,2-Dichloroethane	A	10.0	10.9	0.4276246	0.4643172		8.6	30
1,1-Dichloroethylene	A	10.0	10.1	0.6503172	0.657403		1.1	30
cis-1,2-Dichloroethylene	A	10.0	10.9	0.6864345	0.7488539		9.1	30
trans-1,2-Dichloroethylene	A	10.0	10.6	0.6178868	0.6520598		5.5	30
Dichlorofluoromethane (Freon 21)	A	10.0	10.6	0.8403159	0.8890417		5.8	30
1,2-Dichloropropane	A	10.0	11.2	0.306328	0.3432776		12.1	30
1,3-Dichloropropane	A	10.0	11.0	0.4974963	0.5494466		10.4	30
2,2-Dichloropropane	A	10.0	10.4	0.6088295	0.6327737		3.9	30
1,1-Dichloropropene	A	10.0	10.7	0.5473735	0.5846217		6.8	30
cis-1,3-Dichloropropene	A	10.0	11.1	0.4734604	0.5268136		11.3	30
trans-1,3-Dichloropropene	A	10.0	11.9	0.4080538	0.4873977		19.4	30
Diethyl Ether	A	10.0	12.0	0.3713617	0.4453508		19.9	30
Difluorochloromethane (Freon 22)	A	10.0	8.17	0.5720824	0.4675772		-18.3	30
Diisopropyl Ether (DIPE)	A	10.0	11.5	1.558552	1.793038		15.0	30
1,4-Dioxane	A	100	90.1	4.731593E-03	4.264464E-03		-9.9	30
Ethanol	A	100	95.5	1.036708E-02	9.902305E-03		-4.5	30
Ethyl Acetate	A	10.0	9.05	0.6506099	0.5887477		-9.5	30
Ethylbenzene	A	10.0	11.7	2.549064	2.984133		17.1	30
Hexachlorobutadiene	A	10.0	11.4	0.2852952	0.3250553		13.9	30
2-Hexanone (MBK)	A	100	104	0.2843475	0.2957494		4.0	30
Iodomethane	A	10.0	9.09	0.5420061	0.4925385		-9.1	30
Isopropylbenzene (Cumene)	A	10.0	11.3	2.395221	2.706585		13.0	30

INITIAL CALIBRATION VERIFICATION

SW-846 8260D

Laboratory:	Pace New England	Work Order:	23G3932
Client:	NYDEC_AECOM - Buffalo, NY	Project:	C.A.E. Electronics_CAT B - CO 147580
Instrument ID:	GCMSVOA3	Calibration:	2200537
Lab File ID:	C22V21926.D	Calibration Date:	08/08/22 10:18
Sequence:	S075427	Injection Date:	08/08/22
Lab Sample ID:	S075427-ICV1	Injection Time:	17:12

COMPOUND	TYPE	CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
p-Isopropyltoluene (p-Cymene)	A	10.0	11.8	1.842122	2.181726		18.4	30
Methyl Acetate	A	10.0	11.1	0.7088624	0.7855607		10.8	30
Methyl tert-Butyl Ether (MTBE)	A	10.0	11.0	1.412808	1.55027		9.7	30
Methyl Cyclohexane	A	10.0	11.9	0.3308172	0.3942231		19.2	30
Methylene Chloride	A	10.0	10.4	0.6427786	0.6675994		3.9	30
4-Methyl-2-pentanone (MIBK)	A	100	101	0.4112112	0.4152002		1.0	30
Naphthalene	A	10.0	9.41	2.035952	1.915201		-5.9	30
n-Propylbenzene	A	10.0	11.5	2.678168	3.074493		14.8	30
Styrene	A	10.0	11.4	1.683114	1.915095		13.8	30
1,1,1,2-Tetrachloroethane	A	10.0	11.0	0.5844025	0.6406587		9.6	30
1,1,2,2-Tetrachloroethane	A	10.0	11.0	0.9177436	1.008935		9.9	30
Tetrachloroethylene	A	10.0	11.4	0.2808079	0.3210495		14.3	30
Tetrahydrofuran	A	10.0	9.34	0.1875945	0.1752822		-6.6	30
Toluene	A	10.0	11.1	1.195157	1.329379		11.2	30
1,2,3-Trichlorobenzene	A	10.0	10.4	0.6638408	0.6891524		3.8	30
1,2,4-Trichlorobenzene	A	10.0	10.5	0.6791191	0.7146163		5.2	30
1,3,5-Trichlorobenzene	A	10.0	11.5	0.7413149	0.8544813		15.3	30
1,1,1-Trichloroethane	A	10.0	10.8	0.6322124	0.6835815		8.1	30
1,1,2-Trichloroethane	A	10.0	11.1	0.2797054	0.3108519		11.1	30
Trichloroethylene	A	10.0	11.0	0.2768359	0.3048846		10.1	30
Trichlorofluoromethane (Freon 11)	A	10.0	10.5	0.6391431	0.6730058		5.3	30
1,2,3-Trichloropropane	A	10.0	9.91	0.7526804	0.7459519		-0.9	30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	A	10.0	11.1	0.377547	0.4201524		11.3	30
1,2,4-Trimethylbenzene	A	10.0	11.3	1.974771	2.240036		13.4	30
1,3,5-Trimethylbenzene	A	10.0	11.4	1.963624	2.241654		14.2	30
Vinyl Acetate	A	100	99.1	1.31257	1.300476		-0.9	30
Vinyl Chloride	A	10.0	8.94	0.5221577	0.4665655		-10.6	30
m+p Xylene	A	20.0	22.7	1.99021	2.263186		13.7	30

INITIAL CALIBRATION VERIFICATION

SW-846 8260D

Laboratory:	Pace New England	Work Order:	23G3932
Client:	NYDEC_AECOM - Buffalo, NY	Project:	C.A.E. Electronics_CAT B - CO 147580
Instrument ID:	GCMSVOA3	Calibration:	2200537
Lab File ID:	C22V21926.D	Calibration Date:	08/08/22 10:18
Sequence:	S075427	Injection Date:	08/08/22
Lab Sample ID:	S075427-ICV1	Injection Time:	17:12

COMPOUND	TYPE	CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
o-Xylene	A	10.0	11.4	2.094658	2.385562		13.9	30
1,2-Dichloroethane-d4	A	25.0	25.0	0.5629535	0.5620854		-0.2	
Toluene-d8	A	25.0	24.9	1.188132	1.183765		-0.4	
4-Bromofluorobenzene	A	25.0	24.9	0.8894447	0.8873023		-0.2	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CONTINUING CALIBRATION VERIFICATION

SW-846 8260D

Laboratory:	Pace New England	Work Order:	23G3932
Client:	NYDEC_AECOM - Buffalo, NY	Project:	C.A.E. Electronics_CAT B - CO 147580
Instrument ID:	GCMSVOA3	Calibration:	2200537
Lab File ID:	C22V21432.D	Calibration Date:	08/08/22 10:18
Sequence:	S091452	Injection Date:	08/02/23
Lab Sample ID:	S091452-CCV1	Injection Time:	22:48

COMPOUND	TYPE	CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	100	82.9	0.1820924	0.1509815		-17.1	20
Benzene	A	10.0	10.4	1.667645	1.73976		4.3	20
Bromochloromethane	A	10.0	10.1	0.3793018	0.3847937		1.4	20
Bromodichloromethane	A	10.0	9.31	0.3940258	0.3666714		-6.9	20
Bromoform	A	10.0	8.15	0.5234936	0.4267085		-18.5	20
Bromomethane	A	10.0	13.4	0.3079598	0.4120873		33.8	20 *
2-Butanone (MEK)	A	100	96.5	0.2634095	0.2541328		-3.5	20
Carbon Disulfide	A	100	98.7	1.250483	1.234317		-1.3	20
Carbon Tetrachloride	A	10.0	7.47	0.528229	0.3944159		-25.3	20 *
Chlorobenzene	A	10.0	10.3	1.57638	1.623031		3.0	20
Chlorodibromomethane	A	10.0	9.24	0.3363907	0.3109541		-7.6	20
Chloroethane	A	10.0	9.32	0.3601205	0.3356652		-6.8	20
Chloroform	A	10.0	9.46	0.7591359	0.7179146		-5.4	20
Chloromethane	A	10.0	10.3	0.7095398	0.7317156		3.1	20
Cyclohexane	A	10.0	9.49	0.7080121	0.6721322		-5.1	20
1,2-Dibromo-3-chloropropane (DBCP)	A	10.0	7.48	0.1649304	0.1233648		-25.2	20 *
1,2-Dibromoethane (EDB)	A	10.0	9.87	0.299296	0.2953771		-1.3	20
1,2-Dichlorobenzene	A	10.0	10.1	1.213634	1.227636		1.2	20
1,3-Dichlorobenzene	A	10.0	10.3	1.193097	1.227721		2.9	20
1,4-Dichlorobenzene	A	10.0	10.1	1.270795	1.278159		0.6	20
Dichlorodifluoromethane (Freon 12)	A	10.0	11.2	0.4341094	0.4839605		11.5	20
1,1-Dichloroethane	A	10.0	9.22	0.787926	0.7266578		-7.8	20
1,2-Dichloroethane	A	10.0	8.98	0.4276246	0.3838386		-10.2	20
1,1-Dichloroethylene	A	10.0	9.08	0.6503172	0.5906369		-9.2	20
cis-1,2-Dichloroethylene	A	10.0	9.08	0.6864345	0.6233892		-9.2	20
trans-1,2-Dichloroethylene	A	10.0	8.38	0.6178868	0.5175147		-16.2	20
1,2-Dichloropropane	A	10.0	10.0	0.306328	0.3074914		0.4	20
cis-1,3-Dichloropropene	A	10.0	9.76	0.4734604	0.462278		-2.4	20
trans-1,3-Dichloropropene	A	10.0	9.32	0.4080538	0.3803549		-6.8	20

CONTINUING CALIBRATION VERIFICATION

SW-846 8260D

Laboratory:	Pace New England	Work Order:	23G3932
Client:	NYDEC_AECOM - Buffalo, NY	Project:	C.A.E. Electronics_CAT B - CO 147580
Instrument ID:	GCMSVOA3	Calibration:	2200537
Lab File ID:	C22V21432.D	Calibration Date:	08/08/22 10:18
Sequence:	S091452	Injection Date:	08/02/23
Lab Sample ID:	S091452-CCV1	Injection Time:	22:48

COMPOUND	TYPE	CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,4-Dioxane	A	100	86.9	4.731593E-03	4.110277E-03		-13.1	20
Ethylbenzene	A	10.0	10.1	2.549064	2.579427		1.2	20
2-Hexanone (MBK)	A	100	90.9	0.2843475	0.2584641		-9.1	20
Isopropylbenzene (Cumene)	A	10.0	9.37	2.395221	2.243661		-6.3	20
Methyl Acetate	A	10.0	7.78	0.7088624	0.5514698		-22.2	20 *
Methyl tert-Butyl Ether (MTBE)	A	10.0	8.79	1.412808	1.242214		-12.1	20
Methyl Cyclohexane	A	10.0	9.99	0.3308172	0.3304227		-0.1	20
Methylene Chloride	A	10.0	8.78	0.6427786	0.5644535		-12.2	20
4-Methyl-2-pentanone (MIBK)	A	100	89.1	0.4112112	0.3664015		-10.9	20
Styrene	A	10.0	9.17	1.683114	1.543291		-8.3	20
1,1,2,2-Tetrachloroethane	A	10.0	9.31	0.9177436	0.854379		-6.9	20
Tetrachloroethylene	A	10.0	10.4	0.2808079	0.2906381		3.5	20
Toluene	A	10.0	10.3	1.195157	1.233407		3.2	20
1,2,3-Trichlorobenzene	A	10.0	8.81	0.6638408	0.5846343		-11.9	20
1,2,4-Trichlorobenzene	A	10.0	8.32	0.6791191	0.5652566		-16.8	20
1,1,1-Trichloroethane	A	10.0	9.35	0.6322124	0.5910224		-6.5	20
1,1,2-Trichloroethane	A	10.0	9.97	0.2797054	0.2788481		-0.3	20
Trichloroethylene	A	10.0	9.80	0.2768359	0.2711695		-2.0	20
Trichlorofluoromethane (Freon 11)	A	10.0	9.18	0.6391431	0.586859		-8.2	20
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	A	10.0	9.22	0.377547	0.348248		-7.8	20
Vinyl Chloride	A	10.0	11.2	0.5221577	0.5834049		11.7	20
m+p Xylene	A	20.0	20.1	1.99021	1.996198		0.3	20
o-Xylene	A	10.0	9.81	2.094658	2.0544		-1.9	20
1,2-Dichloroethane-d4	A	25.0	22.3	0.5629535	0.5029488		-10.7	
Toluene-d8	A	25.0	25.5	1.188132	1.212842		2.1	
4-Bromofluorobenzene	A	25.0	24.0	0.8894447	0.8541695		-4.0	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Data Path : C:\msdchem\1\data\C080223\

Data File : C22V21432.D

Acq On : 2 Aug 2023 10:48 pm

Operator :

Sample : 8260 STD 10PPB 2305304/B0BS1

Inst : GCMSVOA3

Misc :

ALS Vial : 32 Sample Multiplier: 1

Quant Time: Aug 03 05:27:32 2023

Quant Method : C:\msdchem\1\methods\C080822.M

Quant Title : 8260 WATER 5MLS VOAMS 5973 #3

QLast Update : Fri Apr 21 09:50:20 2023

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	4.292	168	194551	30.00	UG/L	0.00
48) 1,4-DIFLUOROBENZENE - ...	5.008	114	286769	30.00	UG/L	0.00
70) CHLOROBENZENE-D5 ISTD	7.839	82	140330	30.00	UG/L	0.00
89) 1,4-DICHLOROBENZENE-D4...	10.139	152	140729	30.00	UG/L	# 0.00
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.562	65	81541	22.34	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	89.36%	
49) TOLUENE SS	6.444	98	289838	25.52	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	102.08%	
71) 4-BROMOFLUOROBENZENE SS	8.999	95	99888	24.01	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	96.04%	
Target Compounds						
3) DICHLORODIFLUOROMETHANE	1.124	85	31385	11.15	UG/L	99
4) DIFLUOROCHLOROMETHANE	1.132	51	38991	10.51	UG/L	# 100
5) CHLOROMETHANE	1.238	50	47452	10.31	UG/L	# 28
6) VINYL CHLORIDE	1.305	62	37834	11.17	UG/L	100
7) BROMOMETHANE	1.503	94	26724	13.38	UG/L	98
8) CHLOROETHANE	1.570	64	21768	9.32	UG/L	96
9) FLUORODICHLOROMETHANE	1.693	67	50005	9.18	UG/L	99
10) TRICHLOROFLUOROMETHANE	1.734	101	38058	9.18	UG/L	97
11) ETHANOL	1.863	45	5137	76.41	UG/L	# 89
12) DI ETHYL ETHER	1.935	59	22276	9.25	UG/L	96
13) ACROLEIN	2.027	56	67602	113.97	UG/L	99
14) ACETONE	2.142	43	97912	82.91	UG/L	91
15) 1,1-DICHLOROETHENE	2.094	61	38303	9.08	UG/L	96
16) 1,1,2-TRICL-1,2,2-TRIF...	2.097	101	22584	9.22	UG/L	88
17) IODOMETHANE	2.214	142	390642	111.14	UG/L	97
20) METHYL ACETATE	2.401	43	35763	7.78	UG/L	97
21) T-BUTYL ALCOHOL	2.610	59	32757	70.32	UG/L	# 100
22) ACRYLONITRILE	2.708	53	12682	8.66	UG/L	93
23) METHYLENE CHLORIDE	2.482	49	36605	8.78	UG/L	90
24) CARBON DISULFIDE	2.264	76	800459	98.71	UG/L	98
25) METHYL TERT-BUTYL ETHE...	2.747	73	80558	8.79	UG/L	97
26) TRANS 1,2-DICHLOROETHENE	2.724	61	33561	8.38	UG/L	97
27) 1,1-DICHLOROETHANE	3.145	63	47124	9.22	UG/L	# 93
28) VINYL ACETATE	3.215	43	763513	89.70	UG/L	97
29) DI ISOPROYL ETHER	3.243	45	97389	9.64	UG/L	97
31) 2-BUTANONE	3.790	43	164806	96.48	UG/L	95
32) T-BUTYL ETHYL ETHER	3.622	59	80660	8.99	UG/L	98
33) CIS-1,2-DICHLOROETHENE	3.739	61	40427	9.08	UG/L	98
34) 2,2-DICHLOROPROPANE	3.734	77	28380	7.19	UG/L	95
35) ETHYL ACETATE	3.857	43	34840	8.26	UG/L	# 95
38) BROMOCHLOROMETHANE	3.979	49	24954	10.14	UG/L	95
39) TETRAHYDROFURAN	4.057	42	10172	8.36	UG/L	# 89
40) CHLOROFORM	4.069	83	46557	9.46	UG/L	95
41) 1,1,1-TRICHLOROETHANE	4.241	97	38328	9.35	UG/L	97
42) CYCLOHEXANE	4.289	56	43588	9.49	UG/L	94
43) CARBON TETRACHLORIDE	4.403	117	25578	7.47	UG/L	96
44) 1,1-DICHLOROPROPENE	4.409	75	32663	9.20	UG/L	98
45) BENZENE	4.612	78	112824	10.43	UG/L	98
47) T-AMYL METHYL ETHER	4.760	73	74983	8.81	UG/L	98
50) 1,2-DICHLOROETHANE	4.637	62	36691	8.98	UG/L	99
51) TRICHLOROETHENE	5.254	95	25921	9.80	UG/L	95
52) METHYLCYCLOHEXANE	5.438	83	31585	9.99	UG/L	93
53) 1,2-DICHLOROPROPANE	5.477	63	29393	10.04	UG/L	98

Data Path : C:\msdchem\1\data\C080223\

Data File : C22V21432.D

Acq On : 2 Aug 2023 10:48 pm

Operator :

Sample : 8260 STD 10PPB 2305304/B0BS1

Inst : GCMSVOA3

Misc :

ALS Vial : 32 Sample Multiplier: 1

Quant Time: Aug 03 05:27:32 2023

Quant Method : C:\msdchem\1\methods\C080822.M

Quant Title : 8260 WATER 5MLS VOAMS 5973 #3

QLast Update : Fri Apr 21 09:50:20 2023

Response via : Initial Calibration

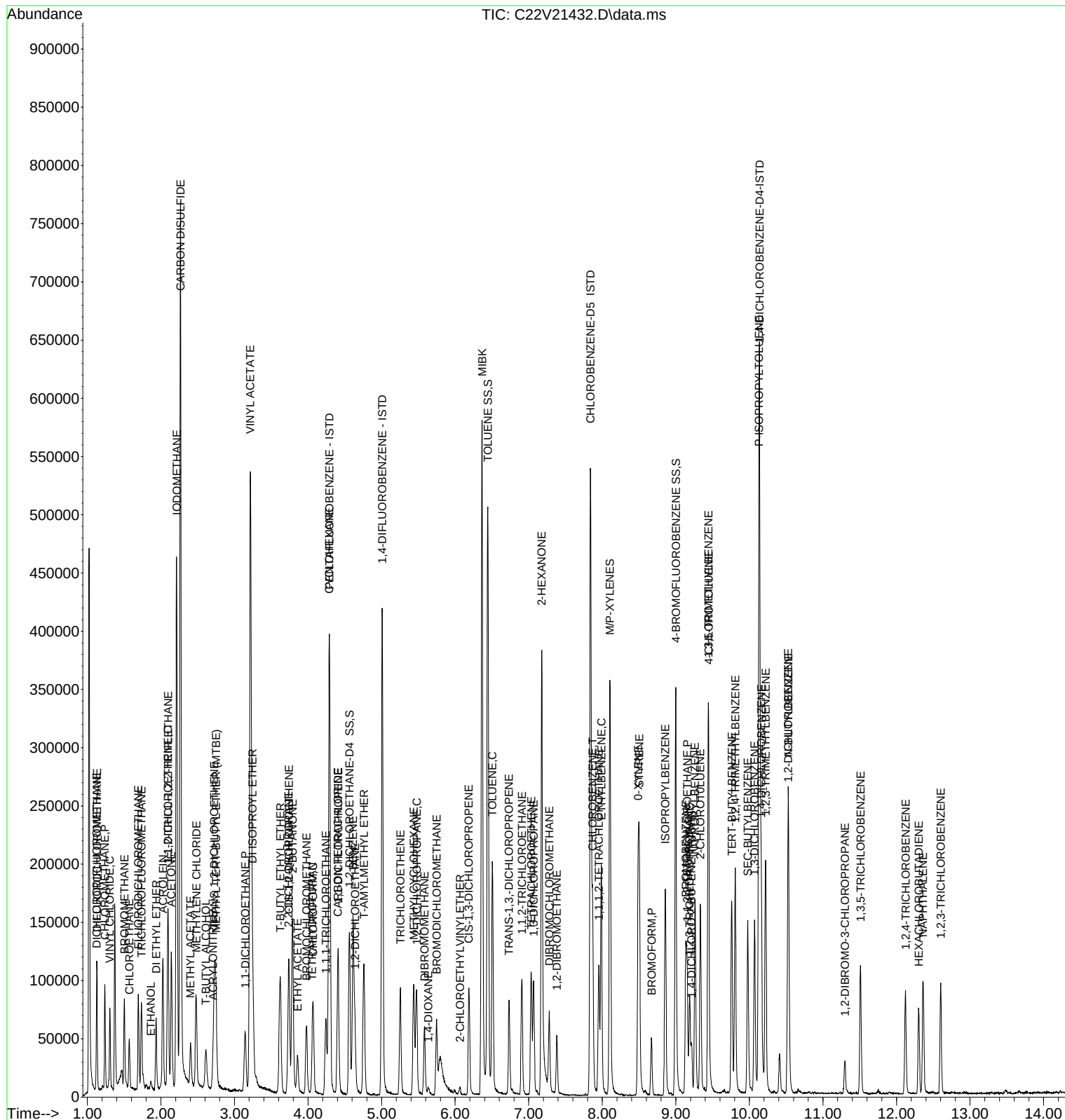
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
54) DIBROMOMETHANE	5.583	93	18241	9.56	UG/L	95
56) 1,4-DIOXANE	5.633	88	3929m	86.87	UG/L	
57) BROMODICHLOROMETHANE	5.747	83	35050	9.31	UG/L	97
58) 2-CHLOROETHYL VINYLETHYR	6.065	63	1925	1.23	UG/L	# 73
59) MIBK	6.366	43	350242	89.10	UG/L	99
60) CIS-1,3-DICHLOROPROPENE	6.185	75	44189	9.76	UG/L	97
61) TOLUENE	6.506	91	117901	10.32	UG/L	99
62) TRANS-1,3-DICHLOROPRO...	6.732	75	36358	9.32	UG/L	96
64) 1,1,2-TRICHLOROETHANE	6.907	97	26655	9.97	UG/L	97
65) 2-HEXANONE	7.175	43	247065	90.90	UG/L	99
66) TETRACHLOROETHENE	7.036	166	27782	10.35	UG/L	99
67) 1,3-DICHLOROPROPANE	7.066	76	47698	10.03	UG/L	100
68) DIBROMOCHLOROMETHANE	7.278	129	29724	9.24	UG/L	96
69) 1,2-DIBROMOETHANE	7.381	107	28235	9.87	UG/L	98
72) CHLOROBENZENE	7.869	112	75920	10.30	UG/L	96
73) 1,1,1,2-TETRACHLOROETHANE	7.953	131	26100	9.55	UG/L	98
74) ETHYLBENZENE	7.987	91	120657	10.12	UG/L	97
75) M/P-XYLENES	8.104	91	186751	20.06	UG/L	99
76) O-XYLENE	8.488	91	96098	9.81	UG/L	99
77) STYRENE	8.502	104	72190	9.17	UG/L	97
78) BROMOFORM	8.670	173	19960	8.15	UG/L	# 93
79) ISOPROPYLBENZENE	8.857	105	104951	9.37	UG/L	97
81) 1,1,2,2-TETRACHLOROETHANE	9.155	83	39965	9.31	UG/L	95
82) 1,4-DICHLORO-2-BUTENE(...	9.211	53	7517	6.70	UG/L	# 85
83) BROMOBENZENE	9.135	77	46187	9.45	UG/L	98
84) 1,2,3-TRICHLOROPROPANE	9.186	75	37431	10.63	UG/L	# 87
85) N-PROPYLBENZENE	9.261	91	118977	9.50	UG/L	99
86) 2-CHLOROTOLUENE	9.333	91	79719	9.76	UG/L	98
87) 1,3,5-TRIMETHYLBENZENE	9.442	105	88396	9.62	UG/L	98
88) 4-CHLOROTOLUENE	9.445	91	90701	9.77	UG/L	97
90) TERT-BUTYLBENZENE	9.760	119	69838	9.27	UG/L	99
91) 1,2,4-TRIMETHYLBENZENE	9.808	105	90667	9.79	UG/L	98
92) SEC-BUTYLBENZENE	9.978	105	94720	9.42	UG/L	97
93) 1,3-DICHLOROBENZENE	10.070	146	57592	10.29	UG/L	99
94) P-ISOPROPYLTOLUENE	10.128	119	81756	9.46	UG/L	98
95) 1,4-DICHLOROBENZENE	10.162	146	59958	10.06	UG/L	95
96) 1,2,3-TRIMETHYLBENZENE	10.220	105	102061	9.94	UG/L	# 100
97) N-BUTYLBENZENE	10.533	91	70911	9.75	UG/L	96
98) 1,2-DICHLOROBENZENE	10.524	146	57588	10.12	UG/L	99
99) 1,2-DIBROMO-3-CHLOROPR...	11.299	75	5787	7.48	UG/L	98
100) 1,3,5-TRICHLOROBENZENE	11.511	180	34561	9.94	UG/L	99
101) 1,2,4-TRICHLOROBENZENE	12.125	180	26516	8.32	UG/L	97
102) HEXACHLOROBUTADIENE	12.303	225	14230	10.63	UG/L	93
103) NAPHTHALENE	12.362	128	75520	7.91	UG/L	97
104) 1,2,3-TRICHLOROBENZENE	12.602	180	27425	8.81	UG/L	100

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

344

Inst : GCMSV0A3

Quant Time: Aug 03 05:27:32 2023
Quant Method : C:\msdchem\1\methods\C080822.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Fri Apr 21 09:50:20 2023
Response via : Initial Calibration



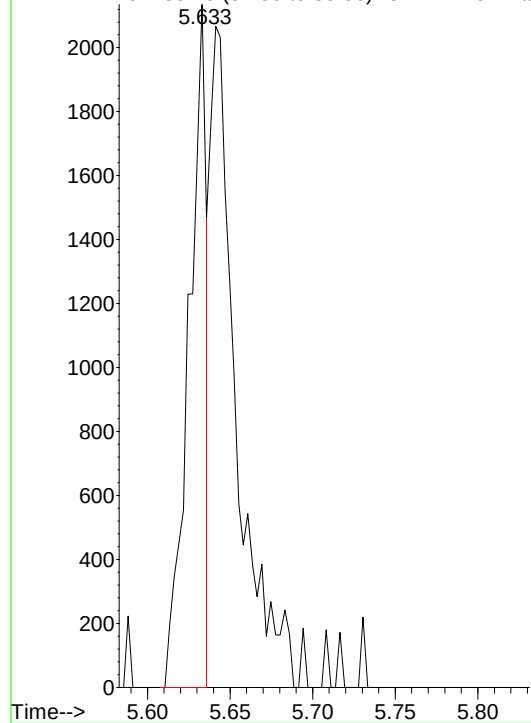
Data Path : C:\msdchem\1\data\C080223\
Data File : C22V21432.D
Acq On : 2 Aug 2023 10:48 pm
Operator :
Sample : 8260 STD 10PPB 2305304/B0BS1
Misc :

Quant Time : Thu Aug 03 05:27:32 2023
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Fri Apr 21 09:50:20 2023

Original Integration

1,4-DIOXANE

Abundance on 88.10 (87.80 to 88.80): C22V21432.D



Original Int. Results

RT : 5.63
Area : 1551
Amount: 34.2921

Manual Int. Results

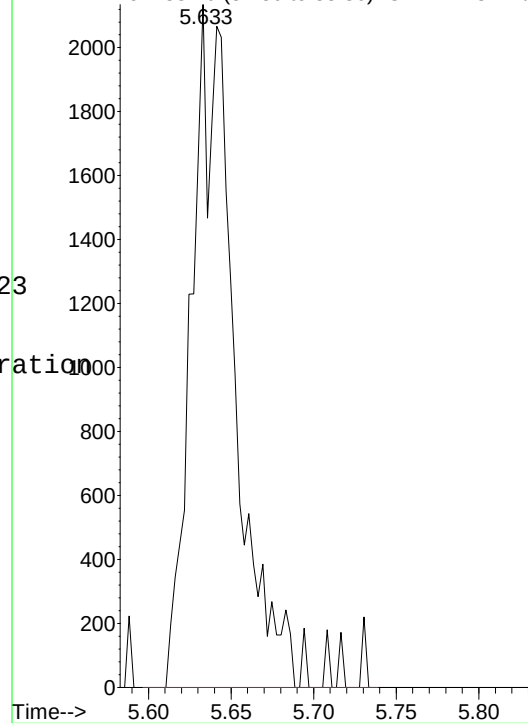
Thu Aug 03 05:27:32 2023

MIuser: MFF
Reason: Incoret Integration
RT : 5.63
Area : 3929
Amount: 86.8688

Manual Integration

1,4-DIOXANE

Abundance on 88.10 (87.80 to 88.80): C22V21432.D



8 - FORM VIII

INTERNAL STANDARD AREA AND RT SUMMARY

346

SW-846 8260D

Laboratory:	Pace New England	Work Order:	23G3932
Client:	NYDEC_AECOM - Buffalo, NY	Project:	C.A.E. Electronics_CAT B - CO 147580
Sequence:	S091452	Instrument:	GCMSVOA3
		Calibration:	2200537

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
LCS (B347625-BS1)			<i>Lab File ID: C22V21432.D</i>			<i>Analyzed: 08/02/23 22:48</i>			
Pentafluorobenzene	194551	4.292	194551	4.292	100	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene	286769	5.008	286769	5.008	100	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	140330	7.839	140330	7.839	100	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	140729	10.139	140729	10.139	100	50 - 200	0.0000	+/-0.50	
Calibration Check (S091452-CCV1)			<i>Lab File ID: C22V21432.D</i>			<i>Analyzed: 08/02/23 22:48</i>			
Pentafluorobenzene	194551	4.292	194546	4.193	100	50 - 200	0.0990	+/-0.50	
1,4-Difluorobenzene	286769	5.008	287477	4.916	100	50 - 200	0.0920	+/-0.50	
Chlorobenzene-d5	140330	7.839	141910	7.749	99	50 - 200	0.0900	+/-0.50	
1,4-Dichlorobenzene-d4	140729	10.139	139616	10.047	101	50 - 200	0.0920	+/-0.50	
LCS Dup (B347625-BSD1)			<i>Lab File ID: C22V21433.D</i>			<i>Analyzed: 08/02/23 23:15</i>			
Pentafluorobenzene	192011	4.289	194551	4.292	99	50 - 200	-0.0030	+/-0.50	
1,4-Difluorobenzene	284004	5.008	286769	5.008	99	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	141480	7.842	140330	7.839	101	50 - 200	0.0030	+/-0.50	
1,4-Dichlorobenzene-d4	135991	10.137	140729	10.139	97	50 - 200	-0.0020	+/-0.50	
Blank (B347625-BLK1)			<i>Lab File ID: C22V21436.D</i>			<i>Analyzed: 08/03/23 00:34</i>			
Pentafluorobenzene	184574	4.291	194551	4.292	95	50 - 200	-0.0010	+/-0.50	
1,4-Difluorobenzene	275134	5.011	286769	5.008	96	50 - 200	0.0030	+/-0.50	
Chlorobenzene-d5	133473	7.841	140330	7.839	95	50 - 200	0.0020	+/-0.50	
1,4-Dichlorobenzene-d4	122980	10.139	140729	10.139	87	50 - 200	0.0000	+/-0.50	
TB-270723 (23G3932-18)			<i>Lab File ID: C22V21437.D</i>			<i>Analyzed: 08/03/23 01:01</i>			
Pentafluorobenzene	176764	4.292	194551	4.292	91	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene	265955	5.011	286769	5.008	93	50 - 200	0.0030	+/-0.50	
Chlorobenzene-d5	128870	7.841	140330	7.839	92	50 - 200	0.0020	+/-0.50	
1,4-Dichlorobenzene-d4	120203	10.139	140729	10.139	85	50 - 200	0.0000	+/-0.50	
MW-06 (23G3932-01)			<i>Lab File ID: C22V21438.D</i>			<i>Analyzed: 08/03/23 01:27</i>			
Pentafluorobenzene	177337	4.292	194551	4.292	91	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene	265585	5.011	286769	5.008	93	50 - 200	0.0030	+/-0.50	
Chlorobenzene-d5	127846	7.841	140330	7.839	91	50 - 200	0.0020	+/-0.50	
1,4-Dichlorobenzene-d4	119371	10.139	140729	10.139	85	50 - 200	0.0000	+/-0.50	

8 - FORM VIII

INTERNAL STANDARD AREA AND RT SUMMARY

347

SW-846 8260D

Laboratory:	Pace New England	Work Order:	23G3932
Client:	NYDEC_AECOM - Buffalo, NY	Project:	C.A.E. Electronics_CAT B - CO 147580
Sequence:	S091452	Instrument:	GCMSVOA3
		Calibration:	2200537

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
MW-11 (23G3932-02)			<i>Lab File ID: C22V21439.D</i>			<i>Analyzed: 08/03/23 01:54</i>			
Pentafluorobenzene	175620	4.292	194551	4.292	90	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene	266117	5.011	286769	5.008	93	50 - 200	0.0030	+/-0.50	
Chlorobenzene-d5	127178	7.844	140330	7.839	91	50 - 200	0.0050	+/-0.50	
1,4-Dichlorobenzene-d4	118158	10.139	140729	10.139	84	50 - 200	0.0000	+/-0.50	
MW-10 (23G3932-03)			<i>Lab File ID: C22V21440.D</i>			<i>Analyzed: 08/03/23 02:21</i>			
Pentafluorobenzene	175504	4.289	194551	4.292	90	50 - 200	-0.0030	+/-0.50	
1,4-Difluorobenzene	266031	5.011	286769	5.008	93	50 - 200	0.0030	+/-0.50	
Chlorobenzene-d5	131114	7.842	140330	7.839	93	50 - 200	0.0030	+/-0.50	
1,4-Dichlorobenzene-d4	117851	10.139	140729	10.139	84	50 - 200	0.0000	+/-0.50	
MW-04 (23G3932-04)			<i>Lab File ID: C22V21441.D</i>			<i>Analyzed: 08/03/23 02:47</i>			
Pentafluorobenzene	166461	4.291	194551	4.292	86	50 - 200	-0.0010	+/-0.50	
1,4-Difluorobenzene	249265	5.011	286769	5.008	87	50 - 200	0.0030	+/-0.50	
Chlorobenzene-d5	124359	7.841	140330	7.839	89	50 - 200	0.0020	+/-0.50	
1,4-Dichlorobenzene-d4	109603	10.139	140729	10.139	78	50 - 200	0.0000	+/-0.50	
MW-28R (23G3932-05)			<i>Lab File ID: C22V21442.D</i>			<i>Analyzed: 08/03/23 03:14</i>			
Pentafluorobenzene	167980	4.294	194551	4.292	86	50 - 200	0.0020	+/-0.50	
1,4-Difluorobenzene	249332	5.011	286769	5.008	87	50 - 200	0.0030	+/-0.50	
Chlorobenzene-d5	123674	7.841	140330	7.839	88	50 - 200	0.0020	+/-0.50	
1,4-Dichlorobenzene-d4	109281	10.139	140729	10.139	78	50 - 200	0.0000	+/-0.50	
MW-26 (23G3932-06)			<i>Lab File ID: C22V21443.D</i>			<i>Analyzed: 08/03/23 03:41</i>			
Pentafluorobenzene	164734	4.291	194551	4.292	85	50 - 200	-0.0010	+/-0.50	
1,4-Difluorobenzene	248369	5.011	286769	5.008	87	50 - 200	0.0030	+/-0.50	
Chlorobenzene-d5	122980	7.841	140330	7.839	88	50 - 200	0.0020	+/-0.50	
1,4-Dichlorobenzene-d4	110256	10.136	140729	10.139	78	50 - 200	-0.0030	+/-0.50	
MW-15 (23G3932-07)			<i>Lab File ID: C22V21444.D</i>			<i>Analyzed: 08/03/23 04:07</i>			
Pentafluorobenzene	164934	4.291	194551	4.292	85	50 - 200	-0.0010	+/-0.50	
1,4-Difluorobenzene	253032	5.011	286769	5.008	88	50 - 200	0.0030	+/-0.50	
Chlorobenzene-d5	122324	7.841	140330	7.839	87	50 - 200	0.0020	+/-0.50	
1,4-Dichlorobenzene-d4	108891	10.139	140729	10.139	77	50 - 200	0.0000	+/-0.50	

8 - FORM VIII

INTERNAL STANDARD AREA AND RT SUMMARY

348

SW-846 8260D

Laboratory:	Pace New England	Work Order:	23G3932
Client:	NYDEC_AECOM - Buffalo, NY	Project:	C.A.E. Electronics_CAT B - CO 147580
Sequence:	S091452	Instrument:	GCMSVOA3
		Calibration:	2200537

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
MW-07-06 (23G3932-08)			<i>Lab File ID: C22V21445.D</i>			<i>Analyzed: 08/03/23 04:34</i>			
Pentafluorobenzene	164006	4.292	194551	4.292	84	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene	245523	5.014	286769	5.008	86	50 - 200	0.0060	+/-0.50	
Chlorobenzene-d5	122051	7.841	140330	7.839	87	50 - 200	0.0020	+/-0.50	
1,4-Dichlorobenzene-d4	108747	10.137	140729	10.139	77	50 - 200	-0.0020	+/-0.50	
MW-20 (23G3932-09)			<i>Lab File ID: C22V21446.D</i>			<i>Analyzed: 08/03/23 05:01</i>			
Pentafluorobenzene	172266	4.292	194551	4.292	89	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene	254415	5.011	286769	5.008	89	50 - 200	0.0030	+/-0.50	
Chlorobenzene-d5	122158	7.844	140330	7.839	87	50 - 200	0.0050	+/-0.50	
1,4-Dichlorobenzene-d4	110949	10.142	140729	10.139	79	50 - 200	0.0030	+/-0.50	
MW-07-05 (23G3932-10)			<i>Lab File ID: C22V21447.D</i>			<i>Analyzed: 08/03/23 05:27</i>			
Pentafluorobenzene	161793	4.292	194551	4.292	83	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene	235679	5.011	286769	5.008	82	50 - 200	0.0030	+/-0.50	
Chlorobenzene-d5	116774	7.841	140330	7.839	83	50 - 200	0.0020	+/-0.50	
1,4-Dichlorobenzene-d4	104500	10.139	140729	10.139	74	50 - 200	0.0000	+/-0.50	
MW-07-08 (23G3932-11)			<i>Lab File ID: C22V21448.D</i>			<i>Analyzed: 08/03/23 05:51</i>			
Pentafluorobenzene	159937	4.292	194551	4.292	82	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene	242885	5.011	286769	5.008	85	50 - 200	0.0030	+/-0.50	
Chlorobenzene-d5	119213	7.841	140330	7.839	85	50 - 200	0.0020	+/-0.50	
1,4-Dichlorobenzene-d4	113490	10.137	140729	10.139	81	50 - 200	-0.0020	+/-0.50	
MW-07-09 (23G3932-12)			<i>Lab File ID: C22V21449.D</i>			<i>Analyzed: 08/03/23 06:18</i>			
Pentafluorobenzene	171156	4.291	194551	4.292	88	50 - 200	-0.0010	+/-0.50	
1,4-Difluorobenzene	250054	5.011	286769	5.008	87	50 - 200	0.0030	+/-0.50	
Chlorobenzene-d5	122598	7.841	140330	7.839	87	50 - 200	0.0020	+/-0.50	
1,4-Dichlorobenzene-d4	108496	10.139	140729	10.139	77	50 - 200	0.0000	+/-0.50	
MW-25 (23G3932-13)			<i>Lab File ID: C22V21450.D</i>			<i>Analyzed: 08/03/23 06:45</i>			
Pentafluorobenzene	159083	4.291	194551	4.292	82	50 - 200	-0.0010	+/-0.50	
1,4-Difluorobenzene	238578	5.011	286769	5.008	83	50 - 200	0.0030	+/-0.50	
Chlorobenzene-d5	118089	7.841	140330	7.839	84	50 - 200	0.0020	+/-0.50	
1,4-Dichlorobenzene-d4	105846	10.136	140729	10.139	75	50 - 200	-0.0030	+/-0.50	

8 - FORM VIII

INTERNAL STANDARD AREA AND RT SUMMARY

349

SW-846 8260D

Laboratory:	Pace New England	Work Order:	23G3932
Client:	NYDEC_AECOM - Buffalo, NY	Project:	C.A.E. Electronics_CAT B - CO 147580
Sequence:	S091452	Instrument:	GCMSVOA3
		Calibration:	2200537

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
NW-06 (23G3932-14)			<i>Lab File ID: C22V21451.D</i>			<i>Analyzed: 08/03/23 07:11</i>			
Pentafluorobenzene	161056	4.292	194551	4.292	83	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene	243078	5.008	286769	5.008	85	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	121850	7.839	140330	7.839	87	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	107897	10.139	140729	10.139	77	50 - 200	0.0000	+/-0.50	
MW-17 (23G3932-15)			<i>Lab File ID: C22V21452.D</i>			<i>Analyzed: 08/03/23 07:38</i>			
Pentafluorobenzene	158456	4.292	194551	4.292	81	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene	241279	5.011	286769	5.008	84	50 - 200	0.0030	+/-0.50	
Chlorobenzene-d5	118490	7.839	140330	7.839	84	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	104487	10.139	140729	10.139	74	50 - 200	0.0000	+/-0.50	
FD-270723 (23G3932-16)			<i>Lab File ID: C22V21453.D</i>			<i>Analyzed: 08/03/23 08:04</i>			
Pentafluorobenzene	154543	4.289	194551	4.292	79	50 - 200	-0.0030	+/-0.50	
1,4-Difluorobenzene	239432	5.011	286769	5.008	83	50 - 200	0.0030	+/-0.50	
Chlorobenzene-d5	117014	7.841	140330	7.839	83	50 - 200	0.0020	+/-0.50	
1,4-Dichlorobenzene-d4	104154	10.137	140729	10.139	74	50 - 200	-0.0020	+/-0.50	
NW-05 (23G3932-17)			<i>Lab File ID: C22V21454.D</i>			<i>Analyzed: 08/03/23 08:31</i>			
Pentafluorobenzene	155701	4.292	194551	4.292	80	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene	233800	5.011	286769	5.008	82	50 - 200	0.0030	+/-0.50	
Chlorobenzene-d5	113923	7.842	140330	7.839	81	50 - 200	0.0030	+/-0.50	
1,4-Dichlorobenzene-d4	101017	10.139	140729	10.139	72	50 - 200	0.0000	+/-0.50	
Matrix Spike (B347625-MS1)			<i>Lab File ID: C22V21455.D</i>			<i>Analyzed: 08/03/23 08:58</i>			
Pentafluorobenzene	164031	4.292	194551	4.292	84	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene	242426	5.011	286769	5.008	85	50 - 200	0.0030	+/-0.50	
Chlorobenzene-d5	121860	7.839	140330	7.839	87	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	119680	10.137	140729	10.139	85	50 - 200	-0.0020	+/-0.50	
Matrix Spike Dup (B347625-MSD1)			<i>Lab File ID: C22V21456.D</i>			<i>Analyzed: 08/03/23 09:24</i>			
Pentafluorobenzene	165593	4.292	194551	4.292	85	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene	250776	5.008	286769	5.008	87	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	124011	7.841	140330	7.839	88	50 - 200	0.0020	+/-0.50	
1,4-Dichlorobenzene-d4	120439	10.136	140729	10.139	86	50 - 200	-0.0030	+/-0.50	

QC DATA

1 - FORM I

ANALYSIS DATA SHEET

351

Blank

Laboratory:	Pace New England	Work Order:	23G3932
Client:	NYDEC_AECOM - Buffalo, NY	Project:	C.A.E. Electronics_CAT B - CO 147580
Matrix:	Water	Laboratory ID:	B347625-BLK1
		File ID:	C22V21436.D
Sampled:		Prepared:	08/01/23 07:14
		Analyzed:	08/03/23 00:34
Solids:		Preparation:	SW-846 5030B
		Dilution:	
Batch:	B347625	Sequence:	S091452
		Calibration:	2200537
		Instrument:	GCMSVOA3
Column:	1		

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone		2.0	50	
71-43-2	Benzene		0.18	1.0	
74-97-5	Bromochloromethane		0.28	1.0	
75-27-4	Bromodichloromethane		0.16	0.50	
75-25-2	Bromoform		0.41	1.0	
74-83-9	Bromomethane		1.3	2.0	
78-93-3	2-Butanone (MEK)		1.7	20	
75-15-0	Carbon Disulfide		1.6	5.0	
56-23-5	Carbon Tetrachloride		0.16	5.0	V-05
108-90-7	Chlorobenzene		0.12	1.0	
124-48-1	Chlorodibromomethane		0.20	0.50	
75-00-3	Chloroethane		0.34	2.0	
67-66-3	Chloroform		0.14	2.0	
74-87-3	Chloromethane		0.50	2.0	
110-82-7	Cyclohexane		1.8	5.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.85	5.0	V-05
106-93-4	1,2-Dibromoethane (EDB)		0.16	0.50	
95-50-1	1,2-Dichlorobenzene		0.13	1.0	
541-73-1	1,3-Dichlorobenzene		0.14	1.0	
106-46-7	1,4-Dichlorobenzene		0.13	1.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.16	2.0	
75-34-3	1,1-Dichloroethane		0.14	1.0	
107-06-2	1,2-Dichloroethane		0.30	1.0	
75-35-4	1,1-Dichloroethylene		0.14	1.0	
156-59-2	cis-1,2-Dichloroethylene		0.14	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.17	1.0	
78-87-5	1,2-Dichloropropane		0.19	1.0	
10061-01-5	cis-1,3-Dichloropropene		0.16	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.14	0.50	
123-91-1	1,4-Dioxane		18	50	

1 - FORM I

ANALYSIS DATA SHEET

352

Blank

Laboratory:	Pace New England	Work Order:	23G3932
Client:	NYDEC_AECOM - Buffalo, NY	Project:	C.A.E. Electronics_CAT B - CO 147580
Matrix:	Water	Laboratory ID:	B347625-BLK1
		File ID:	C22V21436.D
Sampled:		Prepared:	08/01/23 07:14
		Analyzed:	08/03/23 00:34
Solids:		Preparation:	SW-846 5030B
		Dilution:	
Batch:	B347625	Sequence:	S091452
		Calibration:	2200537
		Instrument:	GCMSVOA3
Column:	1		

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
100-41-4	Ethylbenzene		0.22	1.0	
591-78-6	2-Hexanone (MBK)		1.2	10	
98-82-8	Isopropylbenzene (Cumene)		0.15	1.0	
79-20-9	Methyl Acetate		0.61	1.0	V-05
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.17	1.0	
108-87-2	Methyl Cyclohexane		0.16	1.0	
75-09-2	Methylene Chloride		0.18	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.3	10	
100-42-5	Styrene		0.15	1.0	
79-34-5	1,1,2,2-Tetrachloroethane		0.14	0.50	
127-18-4	Tetrachloroethylene		0.17	1.0	
108-88-3	Toluene		0.22	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.34	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.30	1.0	
71-55-6	1,1,1-Trichloroethane		0.15	1.0	
79-00-5	1,1,2-Trichloroethane		0.19	1.0	
79-01-6	Trichloroethylene		0.17	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.15	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)		0.21	1.0	
75-01-4	Vinyl Chloride		0.24	2.0	
108383/106423	m+p Xylene		0.49	2.0	
95-47-6	o-Xylene		0.24	1.0	
1330-20-7	Xylenes (total)		1.0	1.0	

Data Path : C:\msdchem\1\data\C080223\
 Data File : C22V21436.D
 Acq On : 3 Aug 2023 12:34 am
 Operator :
 Sample : B0-BLK1
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Inst : GCMSVOA3

Quant Time: Aug 03 07:47:57 2023
 Quant Method : C:\msdchem\1\methods\C080822.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Fri Apr 21 09:50:20 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	4.291	168	184574	30.00	UG/L	0.00
48) 1,4-DIFLUOROBENZENE - ...	5.011	114	275134	30.00	UG/L	0.00
70) CHLOROBENZENE-D5 ISTD	7.841	82	133473	30.00	UG/L	0.00
89) 1,4-DICHLOROBENZENE-D4...	10.139	152	122980	30.00	UG/L	# 0.00
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.562	65	82885	23.93	UG/L	0.00
Spiked Amount 25.000	Range	70 - 130	Recovery	=	95.72%	
49) TOLUENE SS	6.444	98	268591	24.65	UG/L	0.00
Spiked Amount 25.000	Range	70 - 130	Recovery	=	98.60%	
71) 4-BROMOFLUOROBENZENE SS	8.999	95	86585	21.88	UG/L	0.00
Spiked Amount 25.000	Range	70 - 130	Recovery	=	87.52%	

Target Compounds	Qvalue
-----	-----

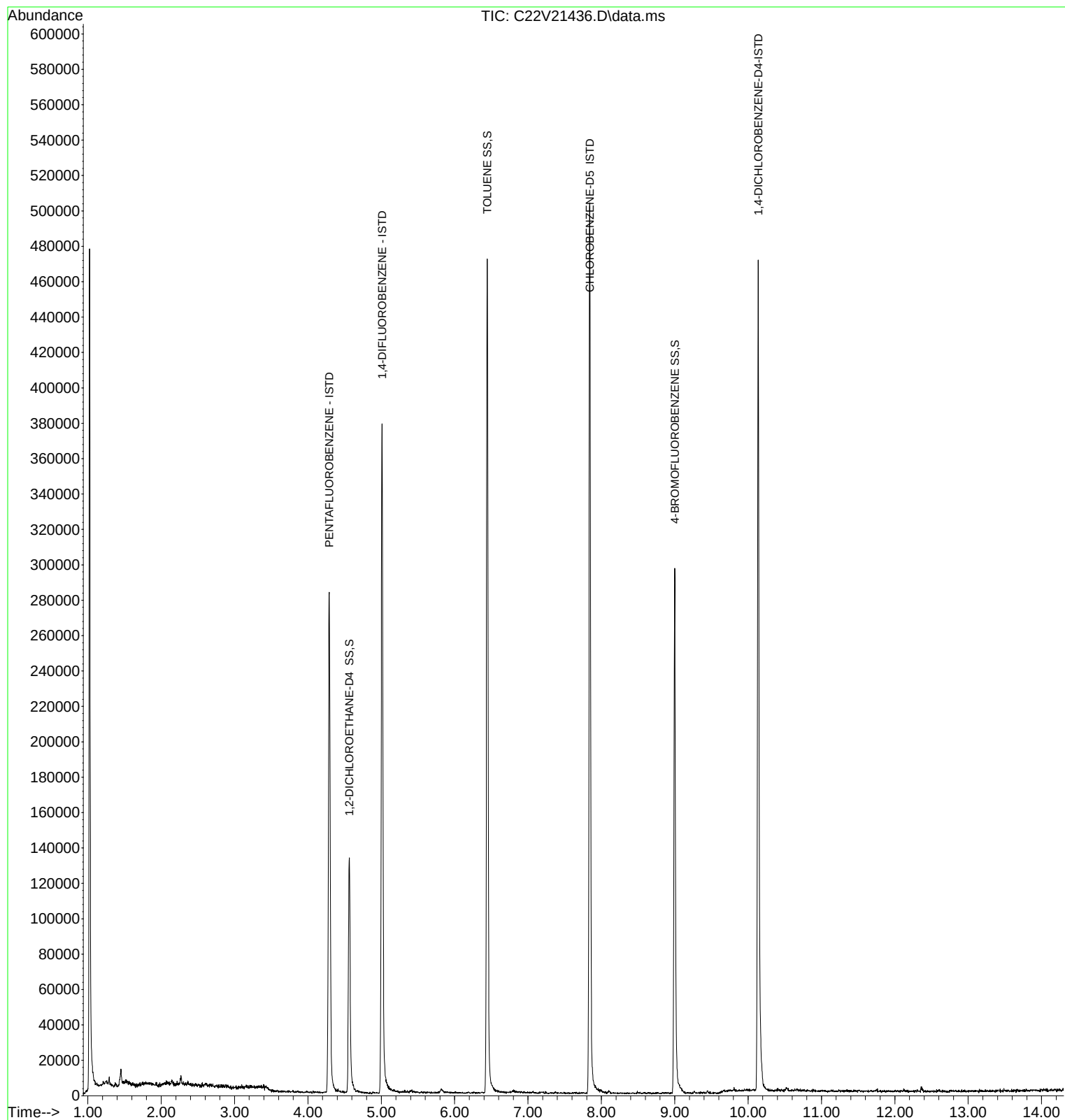
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\data\C080223\
Data File : C22V21436.D
Acq On : 3 Aug 2023 12:34 am
Operator :
Sample : B0-BLK1
Misc :
ALS Vial : 36 Sample Multiplier: 1

354

Inst : GCMSV0A3

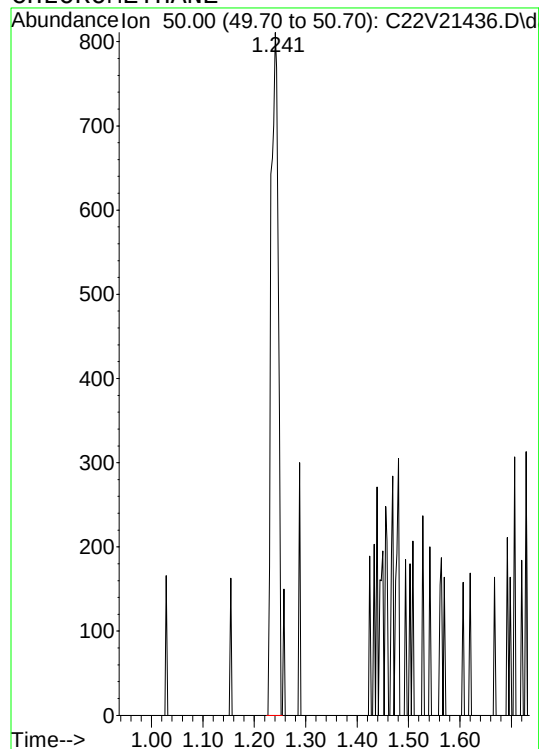
Quant Time: Aug 03 07:47:57 2023
Quant Method : C:\msdchem\1\methods\C080822.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Fri Apr 21 09:50:20 2023
Response via : Initial Calibration



Data Path : C:\msdchem\1\data\C080223\
Data File : C22V21436.D
Acq On : 3 Aug 2023 12:34 am
Operator :
Sample : B0-BLK1
Misc :

Quant Time : Thu Aug 03 07:47:57 2023
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Fri Apr 21 09:50:20 2023

Original Integration
CHLOROMETHANE



Original Int. Results

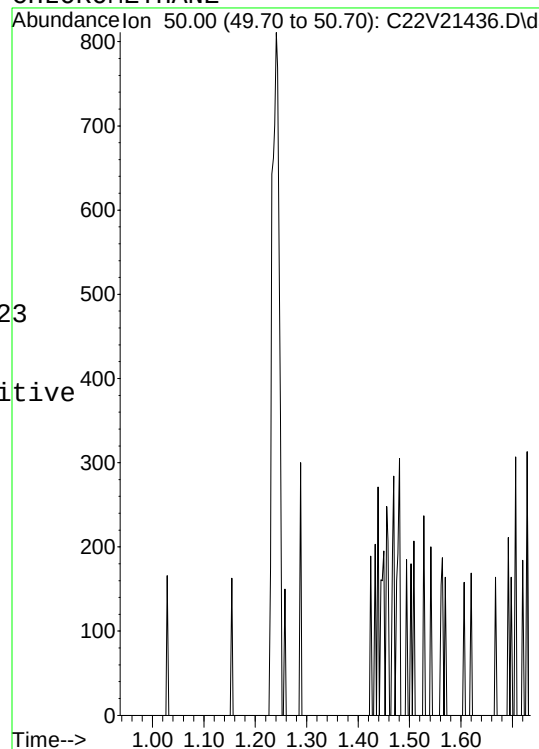
RT : 1.24
Area : 779
Amount: 0.178448

Manual Int. Results

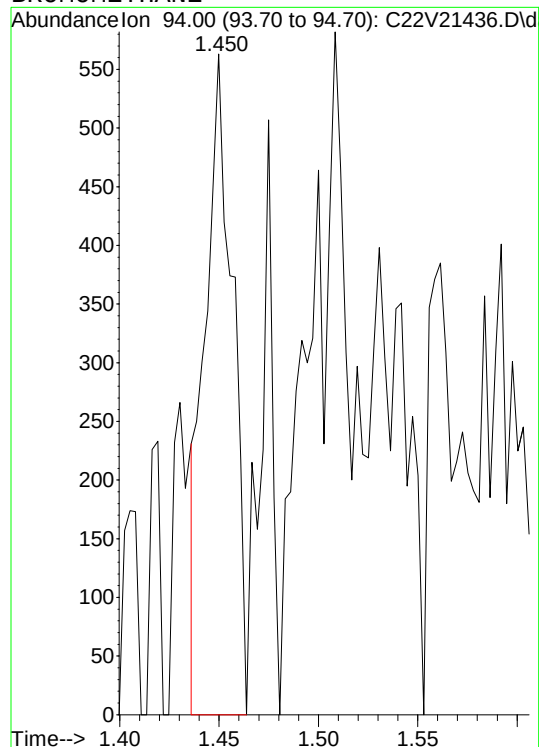
Thu Aug 03 07:47:57 2023

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CHLOROMETHANE



Original Integration
BROMOMETHANE



Original Int. Results

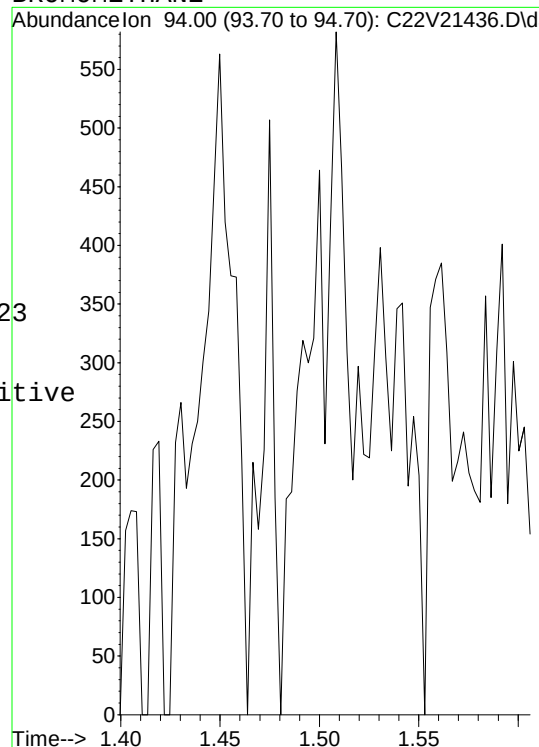
RT : 1.45
Area : 551
Amount: 0.290809

Manual Int. Results

Thu Aug 03 07:47:57 2023

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
BROMOMETHANE

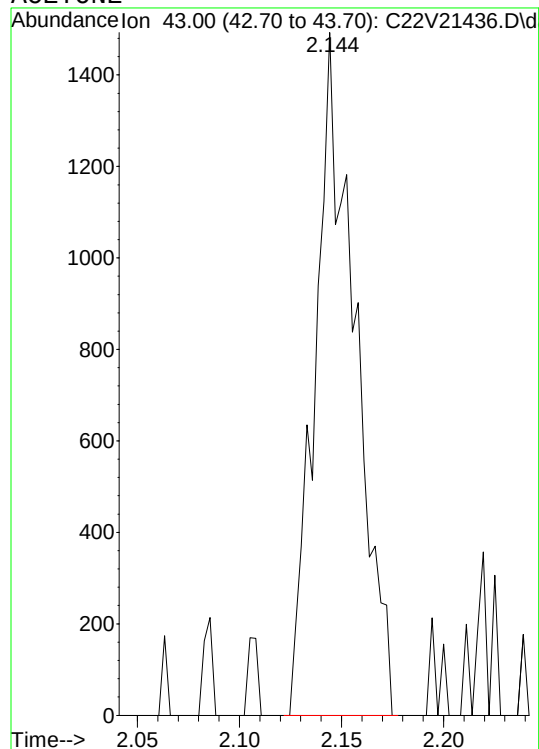


Data Path : C:\msdchem\1\data\C080223\
Data File : C22V21436.D
Acq On : 3 Aug 2023 12:34 am
Operator :
Sample : B0-BLK1
Misc :

Quant Time : Thu Aug 03 07:47:57 2023
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Fri Apr 21 09:50:20 2023

Original Integration

ACETONE



Original Int. Results

RT : 2.14
Area : 2031
Amount: 1.81288

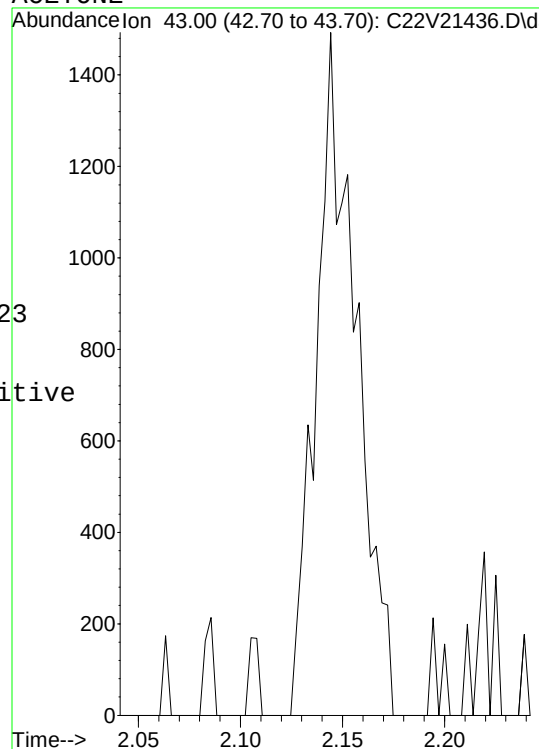
Manual Int. Results

Thu Aug 03 07:47:57 2023

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

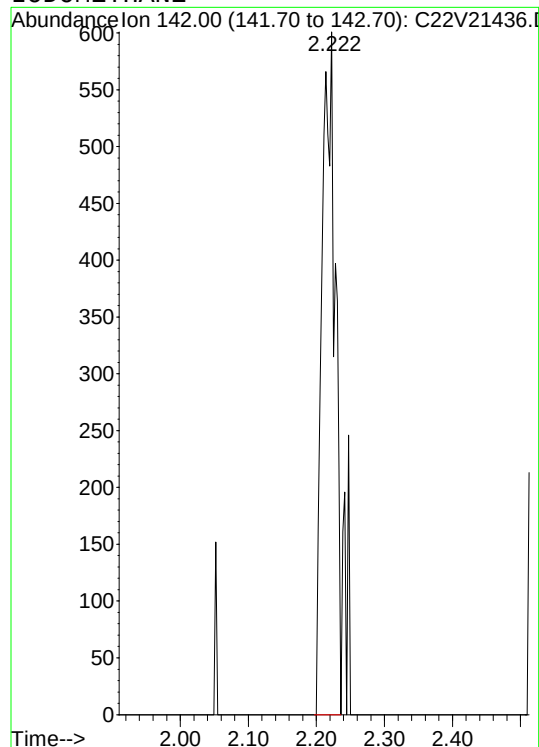
Manual Integration

ACETONE



Original Integration

Iodomethane



Original Int. Results

RT : 2.22
Area : 805
Amount: 0.241403

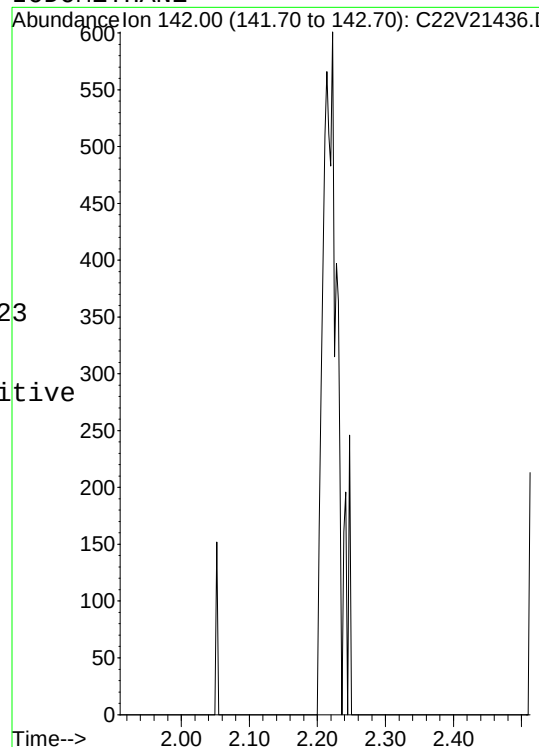
Manual Int. Results

Thu Aug 03 07:47:57 2023

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration

Iodomethane

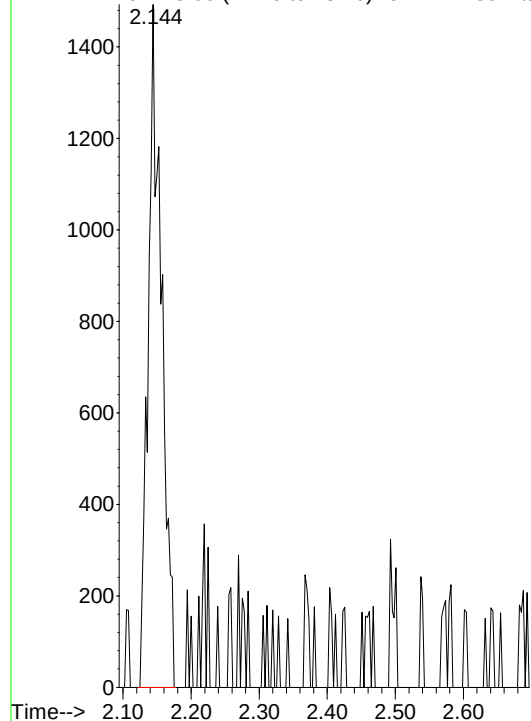


Data Path : C:\msdchem\1\data\C080223\
Data File : C22V21436.D
Acq On : 3 Aug 2023 12:34 am
Operator :
Sample : B0-BLK1
Misc :

Quant Time : Thu Aug 03 07:47:57 2023
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Fri Apr 21 09:50:20 2023

Original Integration
METHYL ACETATE

Abundance Ion 43.00 (42.70 to 43.70): C22V21436.Did



Original Int. Results

RT : 2.14
Area : 2031
Amount: 0.465692

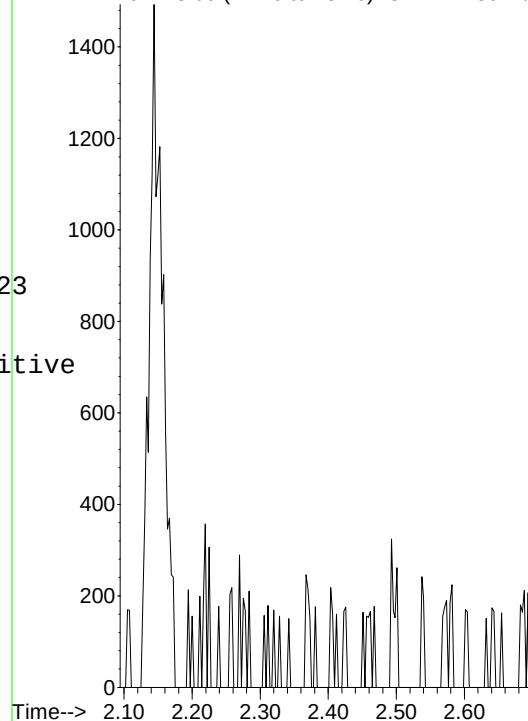
Manual Int. Results

Thu Aug 03 07:47:56 2023

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

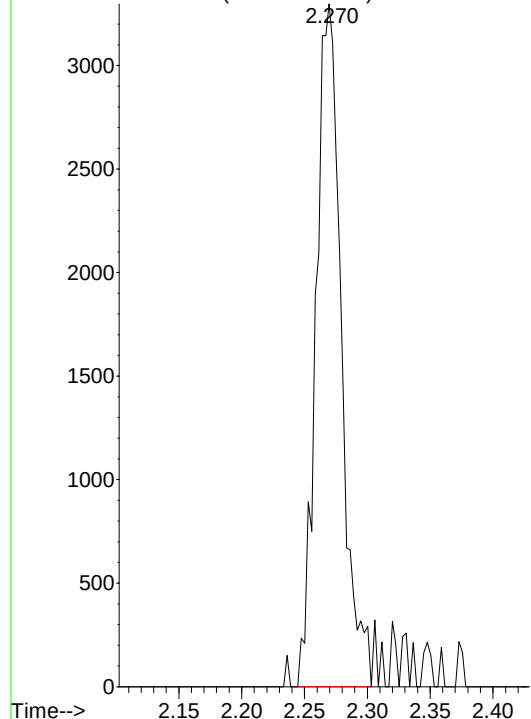
Manual Integration
METHYL ACETATE

Abundance Ion 43.00 (42.70 to 43.70): C22V21436.Did



Original Integration
CARBON DISULFIDE

Abundance Ion 76.00 (75.70 to 76.70): C22V21436.Did



Original Int. Results

RT : 2.27
Area : 4647
Amount: 0.604012

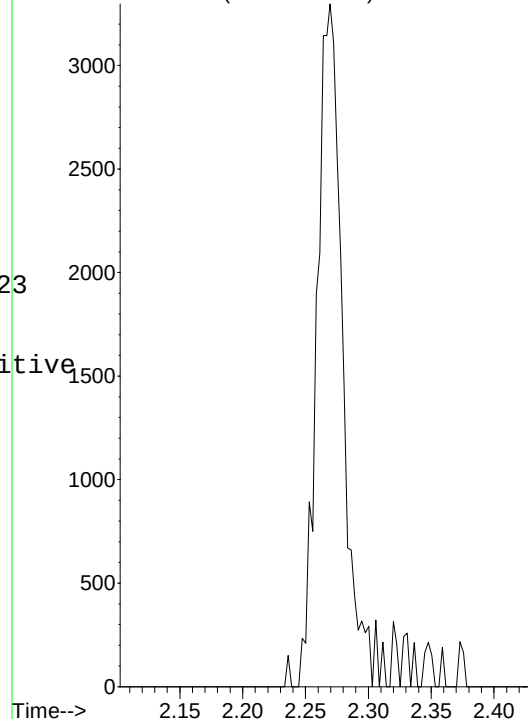
Manual Int. Results

Thu Aug 03 07:47:56 2023

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CARBON DISULFIDE

Abundance Ion 76.00 (75.70 to 76.70): C22V21436.Did

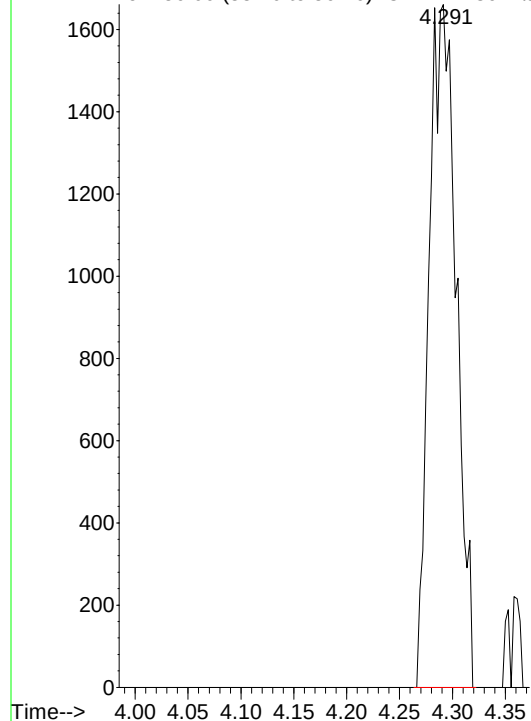


Data Path : C:\msdchem\1\data\C080223\
Data File : C22V21436.D
Acq On : 3 Aug 2023 12:34 am
Operator :
Sample : B0-BLK1
Misc :

Quant Time : Thu Aug 03 07:47:57 2023
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Fri Apr 21 09:50:20 2023

Original Integration
CYCLOHEXANE

Abundance Ion 56.00 (55.70 to 56.70): C22V21436.D



Original Int. Results

RT : 4.29
Area : 2958
Amount: 0.67906

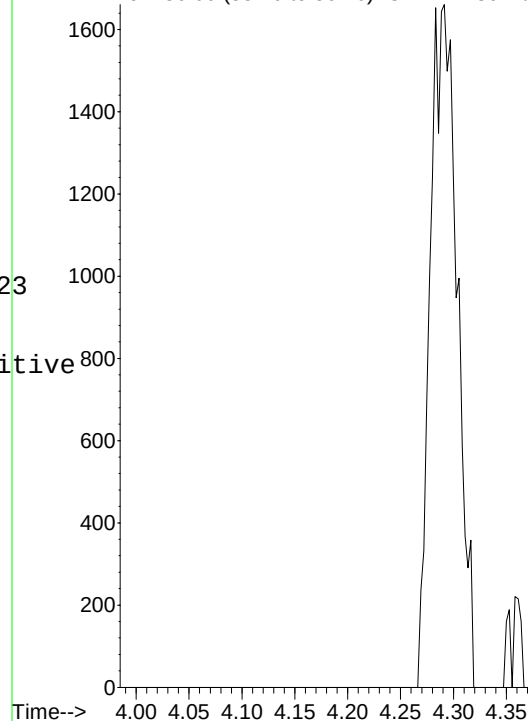
Manual Int. Results

Thu Aug 03 07:47:56 2023

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

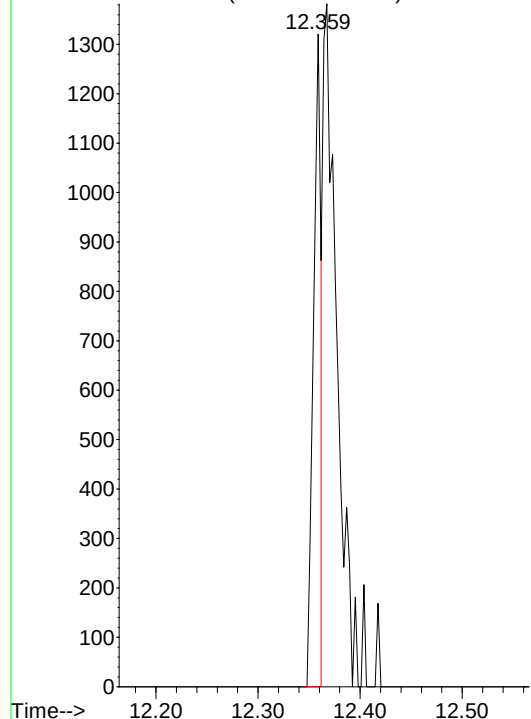
Manual Integration
CYCLOHEXANE

Abundance Ion 56.00 (55.70 to 56.70): C22V21436.D



Original Integration
NAPHTHALENE

Abundance Ion 128.00 (127.70 to 128.70): C22V21436.D



Original Int. Results

RT : 12.36
Area : 672
Amount: 0.0805172

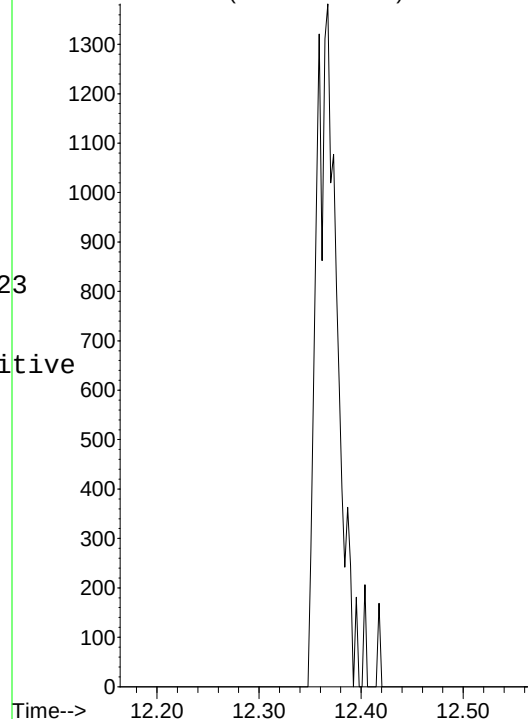
Manual Int. Results

Thu Aug 03 07:47:55 2023

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
NAPHTHALENE

Abundance Ion 128.00 (127.70 to 128.70): C22V21436.D



1 - FORM I

ANALYSIS DATA SHEET

LCS

359

Laboratory:	Pace New England	Work Order:	23G3932
Client:	NYDEC_AECOM - Buffalo, NY	Project:	C.A.E. Electronics_CAT B - CO 147580
Matrix:	Water	Laboratory ID:	B347625-BS1
		File ID:	C22V21432.D
Sampled:		Prepared:	08/01/23 07:14
		Analyzed:	08/02/23 22:48
Solids:		Preparation:	SW-846 5030B
		Dilution:	
Batch:	B347625	Sequence:	S091452
		Calibration:	2200537
		Instrument:	GCMSVOA3
Column:	1		

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone	82.9	2.0	50	V-06
71-43-2	Benzene	10.4	0.18	1.0	
74-97-5	Bromochloromethane	10.1	0.28	1.0	
75-27-4	Bromodichloromethane	9.31	0.16	0.50	
75-25-2	Bromoform	8.15	0.41	1.0	
74-83-9	Bromomethane	13.4	1.3	2.0	V-20
78-93-3	2-Butanone (MEK)	96.5	1.7	20	
75-15-0	Carbon Disulfide	98.7	1.6	5.0	
56-23-5	Carbon Tetrachloride	7.47	0.16	5.0	V-05
108-90-7	Chlorobenzene	10.3	0.12	1.0	
124-48-1	Chlorodibromomethane	9.24	0.20	0.50	
75-00-3	Chloroethane	9.32	0.34	2.0	
67-66-3	Chloroform	9.46	0.14	2.0	
74-87-3	Chloromethane	10.3	0.50	2.0	
110-82-7	Cyclohexane	9.49	1.8	5.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	7.48	0.85	5.0	V-05
106-93-4	1,2-Dibromoethane (EDB)	9.87	0.16	0.50	
95-50-1	1,2-Dichlorobenzene	10.1	0.13	1.0	
541-73-1	1,3-Dichlorobenzene	10.3	0.14	1.0	
106-46-7	1,4-Dichlorobenzene	10.1	0.13	1.0	
75-71-8	Dichlorodifluoromethane (Freon 12)	11.2	0.16	2.0	
75-34-3	1,1-Dichloroethane	9.22	0.14	1.0	
107-06-2	1,2-Dichloroethane	8.98	0.30	1.0	
75-35-4	1,1-Dichloroethylene	9.08	0.14	1.0	
156-59-2	cis-1,2-Dichloroethylene	9.08	0.14	1.0	
156-60-5	trans-1,2-Dichloroethylene	8.38	0.17	1.0	
78-87-5	1,2-Dichloropropane	10.0	0.19	1.0	
10061-01-5	cis-1,3-Dichloropropene	9.76	0.16	0.50	
10061-02-6	trans-1,3-Dichloropropene	9.32	0.14	0.50	
123-91-1	1,4-Dioxane	86.9	18	50	

1 - FORM I

ANALYSIS DATA SHEET

LCS

360

Laboratory:	Pace New England	Work Order:	23G3932
Client:	NYDEC_AECOM - Buffalo, NY	Project:	C.A.E. Electronics_CAT B - CO 147580
Matrix:	Water	Laboratory ID:	B347625-BS1
		File ID:	C22V21432.D
Sampled:		Prepared:	08/01/23 07:14
		Analyzed:	08/02/23 22:48
Solids:		Preparation:	SW-846 5030B
		Dilution:	
Batch:	B347625	Sequence:	S091452
		Calibration:	2200537
		Instrument:	GCMSVOA3
Column:	1		

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
100-41-4	Ethylbenzene	10.1	0.22	1.0	
591-78-6	2-Hexanone (MBK)	90.9	1.2	10	
98-82-8	Isopropylbenzene (Cumene)	9.37	0.15	1.0	
79-20-9	Methyl Acetate	7.78	0.61	1.0	V-05
1634-04-4	Methyl tert-Butyl Ether (MTBE)	8.79	0.17	1.0	
108-87-2	Methyl Cyclohexane	9.99	0.16	1.0	
75-09-2	Methylene Chloride	8.78	0.18	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)	89.1	1.3	10	
100-42-5	Styrene	9.17	0.15	1.0	
79-34-5	1,1,2,2-Tetrachloroethane	9.31	0.14	0.50	
127-18-4	Tetrachloroethylene	10.4	0.17	1.0	
108-88-3	Toluene	10.3	0.22	1.0	
87-61-6	1,2,3-Trichlorobenzene	8.81	0.34	5.0	
120-82-1	1,2,4-Trichlorobenzene	8.32	0.30	1.0	
71-55-6	1,1,1-Trichloroethane	9.35	0.15	1.0	
79-00-5	1,1,2-Trichloroethane	9.97	0.19	1.0	
79-01-6	Trichloroethylene	9.80	0.17	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)	9.18	0.15	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.22	0.21	1.0	
75-01-4	Vinyl Chloride	11.2	0.24	2.0	
108383/106423	m+p Xylene	20.1	0.49	2.0	
95-47-6	o-Xylene	9.81	0.24	1.0	
1330-20-7	Xylenes (total)	29.9	1.0	1.0	

Data Path : C:\msdchem\1\data\C080223\

Data File : C22V21432.D

Acq On : 2 Aug 2023 10:48 pm

Operator :

Sample : 8260 STD 10PPB 2305304/B0BS1

Inst : GCMSVOA3

Misc :

ALS Vial : 32 Sample Multiplier: 1

Quant Time: Aug 03 05:27:32 2023

Quant Method : C:\msdchem\1\methods\C080822.M

Quant Title : 8260 WATER 5MLS VOAMS 5973 #3

QLast Update : Fri Apr 21 09:50:20 2023

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	4.292	168	194551	30.00	UG/L	0.00
48) 1,4-DIFLUOROBENZENE - ...	5.008	114	286769	30.00	UG/L	0.00
70) CHLOROBENZENE-D5 ISTD	7.839	82	140330	30.00	UG/L	0.00
89) 1,4-DICHLOROBENZENE-D4...	10.139	152	140729	30.00	UG/L	# 0.00
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.562	65	81541	22.34	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	89.36%	
49) TOLUENE SS	6.444	98	289838	25.52	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	102.08%	
71) 4-BROMOFLUOROBENZENE SS	8.999	95	99888	24.01	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	96.04%	
Target Compounds						
3) DICHLORODIFLUOROMETHANE	1.124	85	31385	11.15	UG/L	99
4) DIFLUOROCHLOROMETHANE	1.132	51	38991	10.51	UG/L	# 100
5) CHLOROMETHANE	1.238	50	47452	10.31	UG/L	# 28
6) VINYL CHLORIDE	1.305	62	37834	11.17	UG/L	100
7) BROMOMETHANE	1.503	94	26724	13.38	UG/L	98
8) CHLOROETHANE	1.570	64	21768	9.32	UG/L	96
9) FLUORODICHLOROMETHANE	1.693	67	50005	9.18	UG/L	99
10) TRICHLOROFLUOROMETHANE	1.734	101	38058	9.18	UG/L	97
11) ETHANOL	1.863	45	5137	76.41	UG/L	# 89
12) DI ETHYL ETHER	1.935	59	22276	9.25	UG/L	96
13) ACROLEIN	2.027	56	67602	113.97	UG/L	99
14) ACETONE	2.142	43	97912	82.91	UG/L	91
15) 1,1-DICHLOROETHENE	2.094	61	38303	9.08	UG/L	96
16) 1,1,2-TRICL-1,2,2-TRIF...	2.097	101	22584	9.22	UG/L	88
17) IODOMETHANE	2.214	142	390642	111.14	UG/L	97
20) METHYL ACETATE	2.401	43	35763	7.78	UG/L	97
21) T-BUTYL ALCOHOL	2.610	59	32757	70.32	UG/L	# 100
22) ACRYLONITRILE	2.708	53	12682	8.66	UG/L	93
23) METHYLENE CHLORIDE	2.482	49	36605	8.78	UG/L	90
24) CARBON DISULFIDE	2.264	76	800459	98.71	UG/L	98
25) METHYL TERT-BUTYL ETHE...	2.747	73	80558	8.79	UG/L	97
26) TRANS 1,2-DICHLOROETHENE	2.724	61	33561	8.38	UG/L	97
27) 1,1-DICHLOROETHANE	3.145	63	47124	9.22	UG/L	# 93
28) VINYL ACETATE	3.215	43	763513	89.70	UG/L	97
29) DI ISOPROYL ETHER	3.243	45	97389	9.64	UG/L	97
31) 2-BUTANONE	3.790	43	164806	96.48	UG/L	95
32) T-BUTYL ETHYL ETHER	3.622	59	80660	8.99	UG/L	98
33) CIS-1,2-DICHLOROETHENE	3.739	61	40427	9.08	UG/L	98
34) 2,2-DICHLOROPROPANE	3.734	77	28380	7.19	UG/L	95
35) ETHYL ACETATE	3.857	43	34840	8.26	UG/L	# 95
38) BROMOCHLOROMETHANE	3.979	49	24954	10.14	UG/L	95
39) TETRAHYDROFURAN	4.057	42	10172	8.36	UG/L	# 89
40) CHLOROFORM	4.069	83	46557	9.46	UG/L	95
41) 1,1,1-TRICHLOROETHANE	4.241	97	38328	9.35	UG/L	97
42) CYCLOHEXANE	4.289	56	43588	9.49	UG/L	94
43) CARBON TETRACHLORIDE	4.403	117	25578	7.47	UG/L	96
44) 1,1-DICHLOROPROPENE	4.409	75	32663	9.20	UG/L	98
45) BENZENE	4.612	78	112824	10.43	UG/L	98
47) T-AMYL METHYL ETHER	4.760	73	74983	8.81	UG/L	98
50) 1,2-DICHLOROETHANE	4.637	62	36691	8.98	UG/L	99
51) TRICHLOROETHENE	5.254	95	25921	9.80	UG/L	95
52) METHYLCYCLOHEXANE	5.438	83	31585	9.99	UG/L	93
53) 1,2-DICHLOROPROPANE	5.477	63	29393	10.04	UG/L	98

Data Path : C:\msdchem\1\data\C080223\

Data File : C22V21432.D

Acq On : 2 Aug 2023 10:48 pm

Operator :

Sample : 8260 STD 10PPB 2305304/B0BS1

Inst : GCMSVOA3

Misc :

ALS Vial : 32 Sample Multiplier: 1

Quant Time: Aug 03 05:27:32 2023

Quant Method : C:\msdchem\1\methods\C080822.M

Quant Title : 8260 WATER 5MLS VOAMS 5973 #3

QLast Update : Fri Apr 21 09:50:20 2023

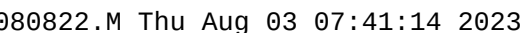
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
54) DIBROMOMETHANE	5.583	93	18241	9.56	UG/L	95
56) 1,4-DIOXANE	5.633	88	3929m	86.87	UG/L	
57) BROMODICHLOROMETHANE	5.747	83	35050	9.31	UG/L	97
58) 2-CHLOROETHYL VINYLETHYL	6.065	63	1925	1.23	UG/L	# 73
59) MIBK	6.366	43	350242	89.10	UG/L	99
60) CIS-1,3-DICHLOROPROPENE	6.185	75	44189	9.76	UG/L	97
61) TOLUENE	6.506	91	117901	10.32	UG/L	99
62) TRANS-1,3-DICHLOROPRO...	6.732	75	36358	9.32	UG/L	96
64) 1,1,2-TRICHLOROETHANE	6.907	97	26655	9.97	UG/L	97
65) 2-HEXANONE	7.175	43	247065	90.90	UG/L	99
66) TETRACHLOROETHENE	7.036	166	27782	10.35	UG/L	99
67) 1,3-DICHLOROPROPANE	7.066	76	47698	10.03	UG/L	100
68) DIBROMOCHLOROMETHANE	7.278	129	29724	9.24	UG/L	96
69) 1,2-DIBROMOETHANE	7.381	107	28235	9.87	UG/L	98
72) CHLOROBENZENE	7.869	112	75920	10.30	UG/L	96
73) 1,1,1,2-TETRACHLOROETHANE	7.953	131	26100	9.55	UG/L	98
74) ETHYLBENZENE	7.987	91	120657	10.12	UG/L	97
75) M/P-XYLENES	8.104	91	186751	20.06	UG/L	99
76) O-XYLENE	8.488	91	96098	9.81	UG/L	99
77) STYRENE	8.502	104	72190	9.17	UG/L	97
78) BROMOFORM	8.670	173	19960	8.15	UG/L	# 93
79) ISOPROPYLBENZENE	8.857	105	104951	9.37	UG/L	97
81) 1,1,2,2-TETRACHLOROETHANE	9.155	83	39965	9.31	UG/L	95
82) 1,4-DICHLORO-2-BUTENE(...	9.211	53	7517	6.70	UG/L	# 85
83) BROMOBENZENE	9.135	77	46187	9.45	UG/L	98
84) 1,2,3-TRICHLOROPROPANE	9.186	75	37431	10.63	UG/L	# 87
85) N-PROPYLBENZENE	9.261	91	118977	9.50	UG/L	99
86) 2-CHLOROTOLUENE	9.333	91	79719	9.76	UG/L	98
87) 1,3,5-TRIMETHYLBENZENE	9.442	105	88396	9.62	UG/L	98
88) 4-CHLOROTOLUENE	9.445	91	90701	9.77	UG/L	97
90) TERT-BUTYLBENZENE	9.760	119	69838	9.27	UG/L	99
91) 1,2,4-TRIMETHYLBENZENE	9.808	105	90667	9.79	UG/L	98
92) SEC-BUTYLBENZENE	9.978	105	94720	9.42	UG/L	97
93) 1,3-DICHLOROBENZENE	10.070	146	57592	10.29	UG/L	99
94) P-ISOPROPYLTOLUENE	10.128	119	81756	9.46	UG/L	98
95) 1,4-DICHLOROBENZENE	10.162	146	59958	10.06	UG/L	95
96) 1,2,3-TRIMETHYLBENZENE	10.220	105	102061	9.94	UG/L	# 100
97) N-BUTYLBENZENE	10.533	91	70911	9.75	UG/L	96
98) 1,2-DICHLOROBENZENE	10.524	146	57588	10.12	UG/L	99
99) 1,2-DIBROMO-3-CHLOROPR...	11.299	75	5787	7.48	UG/L	98
100) 1,3,5-TRICHLOROBENZENE	11.511	180	34561	9.94	UG/L	99
101) 1,2,4-TRICHLOROBENZENE	12.125	180	26516	8.32	UG/L	97
102) HEXACHLOROBUTADIENE	12.303	225	14230	10.63	UG/L	93
103) NAPHTHALENE	12.362	128	75520	7.91	UG/L	97
104) 1,2,3-TRICHLOROBENZENE	12.602	180	27425	8.81	UG/L	100

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

363

Quant Time: Aug 03 05:27:32 2023
Quant Method : C:\msdchem\1\methods\C080822.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Fri Apr 21 09:50:20 2023
Response via : Initial Calibration



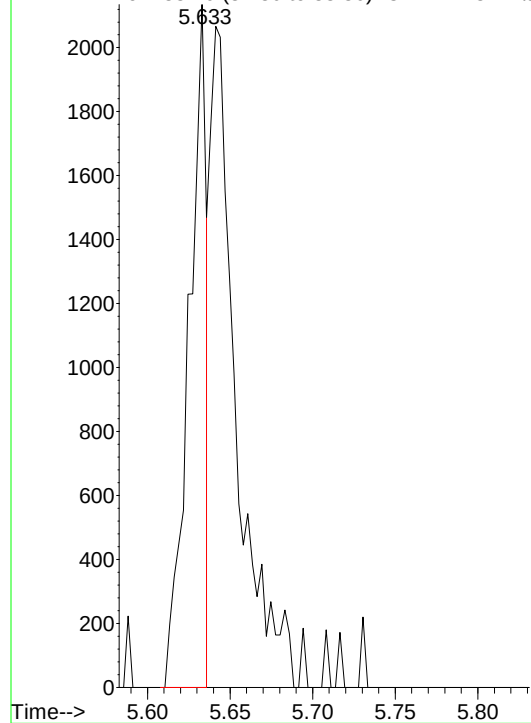
Data Path : C:\msdchem\1\data\C080223\
Data File : C22V21432.D
Acq On : 2 Aug 2023 10:48 pm
Operator :
Sample : 8260 STD 10PPB 2305304/B0BS1
Misc :

Quant Time : Thu Aug 03 05:27:32 2023
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Fri Apr 21 09:50:20 2023

Original Integration

1,4-DIOXANE

Abundance on 88.10 (87.80 to 88.80): C22V21432.Did



Original Int. Results

RT : 5.63
Area : 1551
Amount: 34.2921

Manual Int. Results

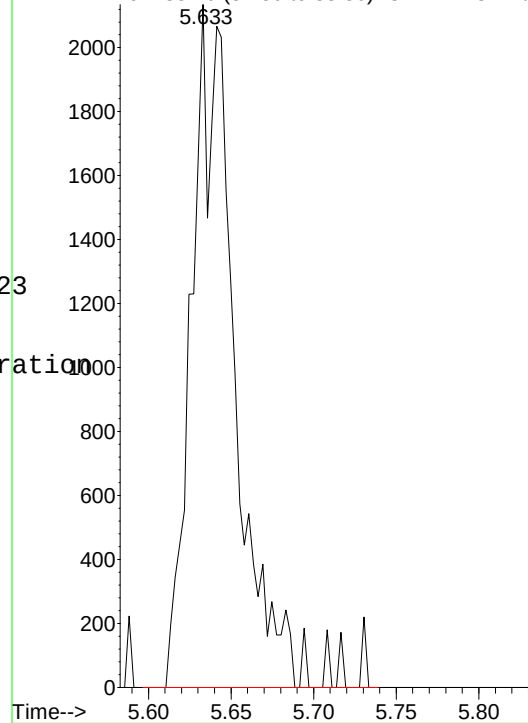
Thu Aug 03 05:27:32 2023

MIuser: MFF
Reason: Incoret Integration
RT : 5.63
Area : 3929
Amount: 86.8688

Manual Integration

1,4-DIOXANE

Abundance on 88.10 (87.80 to 88.80): C22V21432.Did



1 - FORM I

ANALYSIS DATA SHEET

365

LCS Dup

Laboratory:	Pace New England	Work Order:	23G3932
Client:	NYDEC_AECOM - Buffalo, NY	Project:	C.A.E. Electronics_CAT B - CO 147580
Matrix:	Water	Laboratory ID:	B347625-BSD1
		File ID:	C22V21433.D
Sampled:		Prepared:	08/01/23 07:14
		Analyzed:	08/02/23 23:15
Solids:		Preparation:	SW-846 5030B
		Dilution:	
Batch:	B347625	Sequence:	S091452
		Calibration:	2200537
		Instrument:	GCMSVOA3
Column:	1		

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone	82.8	2.0	50	V-06
71-43-2	Benzene	10.6	0.18	1.0	
74-97-5	Bromochloromethane	10.6	0.28	1.0	
75-27-4	Bromodichloromethane	9.42	0.16	0.50	
75-25-2	Bromoform	7.99	0.41	1.0	
74-83-9	Bromomethane	13.9	1.3	2.0	V-20
78-93-3	2-Butanone (MEK)	95.4	1.7	20	
75-15-0	Carbon Disulfide	100	1.6	5.0	
56-23-5	Carbon Tetrachloride	7.98	0.16	5.0	V-05
108-90-7	Chlorobenzene	10.2	0.12	1.0	
124-48-1	Chlorodibromomethane	9.07	0.20	0.50	
75-00-3	Chloroethane	9.43	0.34	2.0	
67-66-3	Chloroform	9.61	0.14	2.0	
74-87-3	Chloromethane	10.1	0.50	2.0	
110-82-7	Cyclohexane	9.93	1.8	5.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	7.86	0.85	5.0	V-05
106-93-4	1,2-Dibromoethane (EDB)	10.1	0.16	0.50	
95-50-1	1,2-Dichlorobenzene	10.4	0.13	1.0	
541-73-1	1,3-Dichlorobenzene	10.6	0.14	1.0	
106-46-7	1,4-Dichlorobenzene	9.52	0.13	1.0	
75-71-8	Dichlorodifluoromethane (Freon 12)	11.5	0.16	2.0	
75-34-3	1,1-Dichloroethane	9.41	0.14	1.0	
107-06-2	1,2-Dichloroethane	8.94	0.30	1.0	
75-35-4	1,1-Dichloroethylene	9.04	0.14	1.0	
156-59-2	cis-1,2-Dichloroethylene	9.15	0.14	1.0	
156-60-5	trans-1,2-Dichloroethylene	8.57	0.17	1.0	
78-87-5	1,2-Dichloropropane	10.2	0.19	1.0	
10061-01-5	cis-1,3-Dichloropropene	9.52	0.16	0.50	
10061-02-6	trans-1,3-Dichloropropene	9.35	0.14	0.50	
123-91-1	1,4-Dioxane	80.6	18	50	

1 - FORM I

ANALYSIS DATA SHEET

366

LCS Dup

Laboratory:	Pace New England	Work Order:	23G3932
Client:	NYDEC_AECOM - Buffalo, NY	Project:	C.A.E. Electronics_CAT B - CO 147580
Matrix:	Water	Laboratory ID:	B347625-BSD1
		File ID:	C22V21433.D
Sampled:		Prepared:	08/01/23 07:14
		Analyzed:	08/02/23 23:15
Solids:		Preparation:	SW-846 5030B
		Dilution:	
Batch:	B347625	Sequence:	S091452
		Calibration:	2200537
		Instrument:	GCMSVOA3
Column:	1		

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
100-41-4	Ethylbenzene	10.1	0.22	1.0	
591-78-6	2-Hexanone (MBK)	91.1	1.2	10	
98-82-8	Isopropylbenzene (Cumene)	9.25	0.15	1.0	
79-20-9	Methyl Acetate	7.88	0.61	1.0	V-05
1634-04-4	Methyl tert-Butyl Ether (MTBE)	8.88	0.17	1.0	
108-87-2	Methyl Cyclohexane	10.2	0.16	1.0	
75-09-2	Methylene Chloride	8.75	0.18	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)	88.9	1.3	10	
100-42-5	Styrene	8.92	0.15	1.0	
79-34-5	1,1,2,2-Tetrachloroethane	9.24	0.14	0.50	
127-18-4	Tetrachloroethylene	10.3	0.17	1.0	
108-88-3	Toluene	10.6	0.22	1.0	
87-61-6	1,2,3-Trichlorobenzene	8.60	0.34	5.0	
120-82-1	1,2,4-Trichlorobenzene	8.79	0.30	1.0	
71-55-6	1,1,1-Trichloroethane	9.70	0.15	1.0	
79-00-5	1,1,2-Trichloroethane	10.1	0.19	1.0	
79-01-6	Trichloroethylene	9.95	0.17	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)	9.42	0.15	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.74	0.21	1.0	
75-01-4	Vinyl Chloride	11.3	0.24	2.0	
108383/106423	m+p Xylene	19.8	0.49	2.0	
95-47-6	o-Xylene	9.54	0.24	1.0	
1330-20-7	Xylenes (total)	29.4	1.0	1.0	

Data Path : C:\msdchem\1\data\C080223\
 Data File : C22V21433.D
 Acq On : 2 Aug 2023 11:15 pm
 Operator :
 Sample : B0-BSD1
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Inst : GCMSVOA3

Quant Time: Aug 03 05:28:19 2023
 Quant Method : C:\msdchem\1\methods\C080822.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Fri Apr 21 09:50:20 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	4.289	168	192011	30.00	UG/L	0.00
48) 1,4-DIFLUOROBENZENE - ...	5.008	114	284004	30.00	UG/L	0.00
70) CHLOROBENZENE-D5 ISTD	7.842	82	141480	30.00	UG/L	0.00
89) 1,4-DICHLOROBENZENE-D4...	10.137	152	135991	30.00	UG/L	# 0.00
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.562	65	84789	23.53	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	94.12%	
49) TOLUENE SS	6.444	98	288800	25.68	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	102.72%	
71) 4-BROMOFLUOROBENZENE SS	8.996	95	98729	23.54	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	94.16%	
Target Compounds						
3) DICHLORODIFLUOROMETHANE	1.127	85	32020	11.52	UG/L	Qvalue 97
4) DIFLUOROCHLOROMETHANE	1.132	51	37984	10.37	UG/L	# 100
5) CHLOROMETHANE	1.238	50	45843	10.09	UG/L	# 25
6) VINYL CHLORIDE	1.308	62	37858	11.33	UG/L	99
7) BROMOMETHANE	1.503	94	27333	13.87	UG/L	100
8) CHLOROETHANE	1.570	64	21728	9.43	UG/L	100
9) FLUORODICHLOROMETHANE	1.695	67	49868	9.27	UG/L	99
10) TRICHLOROFLUOROMETHANE	1.737	101	38536	9.42	UG/L	97
11) ETHANOL	1.863	45	5202	78.40	UG/L	90
12) DI ETHYL ETHER	1.935	59	21920	9.22	UG/L	96
13) ACROLEIN	2.027	56	68173	116.45	UG/L	98
14) ACETONE	2.144	43	96489	82.79	UG/L	92
15) 1,1-DICHLOROETHENE	2.097	61	37608	9.04	UG/L	94
16) 1,1,2-TRICL-1,2,2-TRIF...	2.094	101	23527	9.74	UG/L	87
17) IODOMETHANE	2.214	142	397253	114.51	UG/L	98
20) METHYL ACETATE	2.401	43	35748	7.88	UG/L	96
21) T-BUTYL ALCOHOL	2.613	59	31706	68.96	UG/L	# 98
22) ACRYLONITRILE	2.710	53	11757	8.13	UG/L	87
23) METHYLENE CHLORIDE	2.476	49	36010	8.75	UG/L	88
24) CARBON DISULFIDE	2.267	76	801972	100.20	UG/L	99
25) METHYL TERT-BUTYL ETHE...	2.741	73	80336	8.88	UG/L	96
26) TRANS 1,2-DICHLOROETHENE	2.724	61	33907	8.57	UG/L	98
27) 1,1-DICHLOROETHANE	3.143	63	47462	9.41	UG/L	96
28) VINYL ACETATE	3.218	43	788817	93.90	UG/L	99
29) DI ISOPROYL ETHER	3.243	45	96839	9.71	UG/L	96
31) 2-BUTANONE	3.787	43	160780	95.37	UG/L	96
32) T-BUTYL ETHYL ETHER	3.620	59	80240	9.06	UG/L	99
33) CIS-1,2-DICHLOROETHENE	3.739	61	40184	9.15	UG/L	97
34) 2,2-DICHLOROPROPANE	3.737	77	28078	7.21	UG/L	96
35) ETHYL ACETATE	3.854	43	32609	7.83	UG/L	# 90
38) BROMOCHLOROMETHANE	3.976	49	25622	10.55	UG/L	98
39) TETRAHYDROFURAN	4.055	42	10462	8.71	UG/L	# 91
40) CHLOROFORM	4.066	83	46714	9.61	UG/L	96
41) 1,1,1-TRICHLOROETHANE	4.241	97	39261	9.70	UG/L	97
42) CYCLOHEXANE	4.289	56	44989	9.93	UG/L	93
43) CARBON TETRACHLORIDE	4.406	117	26976	7.98	UG/L	100
44) 1,1-DICHLOROPROPENE	4.412	75	34733	9.91	UG/L	95
45) BENZENE	4.609	78	113663	10.65	UG/L	97
47) T-AMYL METHYL ETHER	4.763	73	74235	8.84	UG/L	98
50) 1,2-DICHLOROETHANE	4.637	62	36195	8.94	UG/L	98
51) TRICHLOROETHANE	5.254	95	26085	9.95	UG/L	97
52) METHYLCYCLOHEXANE	5.435	83	31898	10.19	UG/L	94
53) 1,2-DICHLOROPROPANE	5.474	63	29459	10.16	UG/L	98

Data Path : C:\msdchem\1\data\C080223\
 Data File : C22V21433.D
 Acq On : 2 Aug 2023 11:15 pm
 Operator :
 Sample : B0-BSD1
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Inst : GCMSVOA3

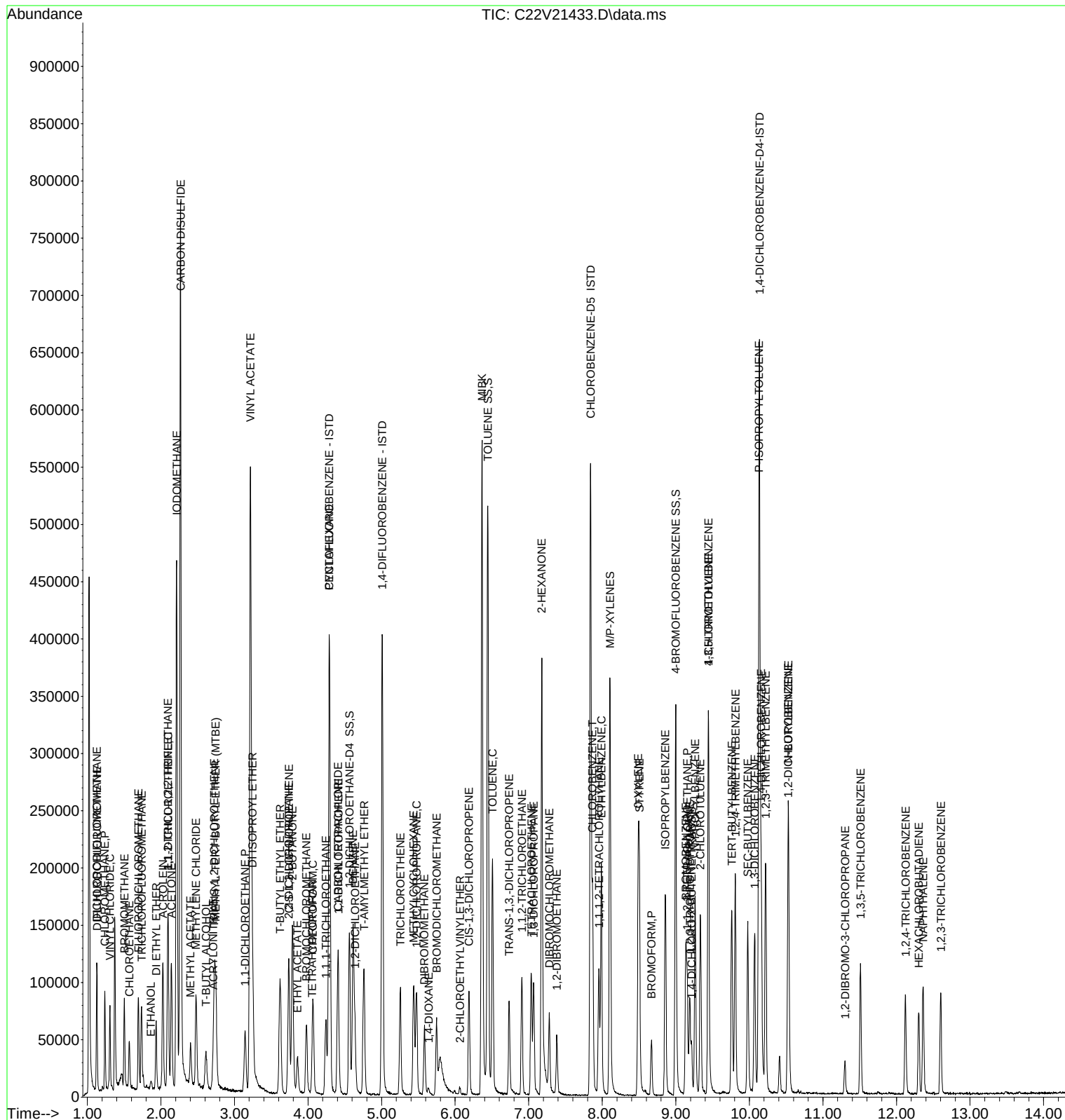
Quant Time: Aug 03 05:28:19 2023
 Quant Method : C:\msdchem\1\methods\C080822.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Fri Apr 21 09:50:20 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
54) DIBROMOMETHANE	5.580	93	18603	9.84	UG/L	95
56) 1,4-DIOXANE	5.639	88	3611	80.62	UG/L #	78
57) BROMODICHLOROMETHANE	5.747	83	35142	9.42	UG/L	97
58) 2-CHLOROETHYL VINYLETHYR	6.065	63	2206	1.43	UG/L #	57
59) MIBK	6.364	43	346050	88.89	UG/L	99
60) CIS-1,3-DICHLOROPROPENE	6.188	75	42692	9.52	UG/L	98
61) TOLUENE	6.509	91	120450	10.65	UG/L	97
62) TRANS-1,3-DICHLOROPRO...	6.734	75	36130	9.35	UG/L	96
64) 1,1,2-TRICHLOROETHANE	6.907	97	26665	10.07	UG/L	97
65) 2-HEXANONE	7.178	43	245217	91.10	UG/L	98
66) TETRACHLOROETHENE	7.038	166	27495	10.34	UG/L	96
67) 1,3-DICHLOROPROPANE	7.066	76	46255	9.82	UG/L	98
68) DIBROMOCHLOROMETHANE	7.278	129	28877	9.07	UG/L	99
69) 1,2-DIBROMOETHANE	7.381	107	28538	10.07	UG/L	100
72) CHLOROBENZENE	7.867	112	76005	10.22	UG/L	96
73) 1,1,1,2-TETRACHLOROETHANE	7.956	131	25835	9.37	UG/L	97
74) ETHYLBENZENE	7.987	91	121611	10.12	UG/L	96
75) M/P-XYLENES	8.106	91	186150	19.83	UG/L	98
76) O-XYLENE	8.489	91	94238	9.54	UG/L	99
77) STYRENE	8.505	104	70841	8.92	UG/L	98
78) BROMOFORM	8.667	173	19728	7.99	UG/L #	95
79) ISOPROPYLBENZENE	8.857	105	104517	9.25	UG/L	100
81) 1,1,2,2-TETRACHLOROETHANE	9.155	83	39977	9.24	UG/L	94
82) 1,4-DICHLORO-2-BUTENE(...	9.214	53	7217	6.38	UG/L	87
83) BROMOBENZENE	9.135	77	46991	9.53	UG/L	96
84) 1,2,3-TRICHLOROPROPANE	9.191	75	38827	10.94	UG/L #	86
85) N-PROPYLBENZENE	9.264	91	120016	9.50	UG/L	96
86) 2-CHLOROTOLUENE	9.333	91	79203	9.62	UG/L	99
87) 1,3,5-TRIMETHYLBENZENE	9.442	105	87600	9.46	UG/L	98
88) 4-CHLOROTOLUENE	9.442	91	86113	9.20	UG/L	99
90) TERT-BUTYLBENZENE	9.760	119	69411	9.53	UG/L	98
91) 1,2,4-TRIMETHYLBENZENE	9.810	105	90363	10.09	UG/L	100
92) SEC-BUTYLBENZENE	9.978	105	95227	9.80	UG/L	96
93) 1,3-DICHLOROBENZENE	10.072	146	57221	10.58	UG/L	98
94) P-ISOPROPYLTOLUENE	10.128	119	79952	9.57	UG/L	98
95) 1,4-DICHLOROBENZENE	10.159	146	54822	9.52	UG/L	91
96) 1,2,3-TRIMETHYLBENZENE	10.220	105	101533	10.23	UG/L #	100
97) N-BUTYLBENZENE	10.533	91	70005	9.97	UG/L	97
98) 1,2-DICHLOROBENZENE	10.524	146	56976	10.36	UG/L	99
99) 1,2-DIBROMO-3-CHLOROPR...	11.302	75	5876	7.86	UG/L	91
100) 1,3,5-TRICHLOROBENZENE	11.511	180	33917	10.09	UG/L	98
101) 1,2,4-TRICHLOROBENZENE	12.125	180	27070	8.79	UG/L	99
102) HEXACHLOROBUTADIENE	12.303	225	14556	11.26	UG/L	100
103) NAPHTHALENE	12.365	128	72225	7.83	UG/L	99
104) 1,2,3-TRICHLOROBENZENE	12.605	180	25893	8.60	UG/L	97

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

369

Quant Time: Aug 03 05:28:19 2023
Quant Method : C:\msdchem\1\methods\C080822.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Fri Apr 21 09:50:20 2023
Response via : Initial Calibration



1 - FORM I

ANALYSIS DATA SHEET

370

Matrix Spike

Laboratory:	Pace New England	Work Order:	23G3932
Client:	NYDEC_AECOM - Buffalo, NY	Project:	C.A.E. Electronics_CAT B - CO 147580
Matrix:	Water	Laboratory ID:	B347625-MS1
		File ID:	C22V21455.D
Sampled:		Prepared:	08/01/23 07:14
		Analyzed:	08/03/23 08:58
Solids:		Preparation:	SW-846 5030B
		Dilution:	
Batch:	B347625	Sequence:	S091452
		Calibration:	2200537
		Instrument:	GCMSVOA3
Column:	1		

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone	84.4	2.0	50	V-06
71-43-2	Benzene	11.2	0.18	1.0	
74-97-5	Bromochloromethane	11.4	0.28	1.0	
75-27-4	Bromodichloromethane	10.0	0.16	0.50	
75-25-2	Bromoform	7.45	0.41	1.0	
74-83-9	Bromomethane	14.2	1.3	2.0	MS-15, V-20
78-93-3	2-Butanone (MEK)	98.7	1.7	20	
75-15-0	Carbon Disulfide	110	1.6	5.0	
56-23-5	Carbon Tetrachloride	9.31	0.16	5.0	V-05
108-90-7	Chlorobenzene	10.4	0.12	1.0	
124-48-1	Chlorodibromomethane	9.22	0.20	0.50	
75-00-3	Chloroethane	10.2	0.34	2.0	
67-66-3	Chloroform	10.6	0.14	2.0	
74-87-3	Chloromethane	11.9	0.50	2.0	
110-82-7	Cyclohexane	10.5	1.8	5.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	7.49	0.85	5.0	V-05
106-93-4	1,2-Dibromoethane (EDB)	10.2	0.16	0.50	
95-50-1	1,2-Dichlorobenzene	9.59	0.13	1.0	
541-73-1	1,3-Dichlorobenzene	10.0	0.14	1.0	
106-46-7	1,4-Dichlorobenzene	9.28	0.13	1.0	
75-71-8	Dichlorodifluoromethane (Freon 12)	12.9	0.16	2.0	
75-34-3	1,1-Dichloroethane	10.4	0.14	1.0	
107-06-2	1,2-Dichloroethane	10.1	0.30	1.0	
75-35-4	1,1-Dichloroethylene	10.1	0.14	1.0	
156-59-2	cis-1,2-Dichloroethylene	10.1	0.14	1.0	
156-60-5	trans-1,2-Dichloroethylene	9.92	0.17	1.0	
78-87-5	1,2-Dichloropropane	10.9	0.19	1.0	
10061-01-5	cis-1,3-Dichloropropene	9.79	0.16	0.50	
10061-02-6	trans-1,3-Dichloropropene	9.73	0.14	0.50	
123-91-1	1,4-Dioxane	84.4	18	50	

1 - FORM I

ANALYSIS DATA SHEET

371

Matrix Spike

Laboratory:	Pace New England	Work Order:	23G3932
Client:	NYDEC_AECOM - Buffalo, NY	Project:	C.A.E. Electronics_CAT B - CO 147580
Matrix:	Water	Laboratory ID:	B347625-MS1
		File ID:	C22V21455.D
Sampled:		Prepared:	08/01/23 07:14
		Analyzed:	08/03/23 08:58
Solids:		Preparation:	SW-846 5030B
		Dilution:	
Batch:	B347625	Sequence:	S091452
		Calibration:	2200537
		Instrument:	GCMSVOA3
Column:	1		

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
100-41-4	Ethylbenzene	9.85	0.22	1.0	
591-78-6	2-Hexanone (MBK)	87.4	1.2	10	
98-82-8	Isopropylbenzene (Cumene)	9.08	0.15	1.0	
79-20-9	Methyl Acetate	7.33	0.61	1.0	V-05
1634-04-4	Methyl tert-Butyl Ether (MTBE)	8.78	0.17	1.0	
108-87-2	Methyl Cyclohexane	11.3	0.16	1.0	
75-09-2	Methylene Chloride	9.85	0.18	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)	87.7	1.3	10	
100-42-5	Styrene	8.41	0.15	1.0	
79-34-5	1,1,2,2-Tetrachloroethane	9.23	0.14	0.50	
127-18-4	Tetrachloroethylene	11.3	0.17	1.0	
108-88-3	Toluene	10.9	0.22	1.0	
87-61-6	1,2,3-Trichlorobenzene	7.09	0.34	5.0	
120-82-1	1,2,4-Trichlorobenzene	6.87	0.30	1.0	MS-24
71-55-6	1,1,1-Trichloroethane	11.1	0.15	1.0	
79-00-5	1,1,2-Trichloroethane	10.4	0.19	1.0	
79-01-6	Trichloroethylene	11.1	0.17	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)	10.4	0.15	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.5	0.21	1.0	
75-01-4	Vinyl Chloride	12.5	0.24	2.0	
108383/106423	m+p Xylene	18.5	0.49	2.0	
95-47-6	o-Xylene	9.00	0.24	1.0	
1330-20-7	Xylenes (total)	27.5	1.0	1.0	

Data Path : C:\msdchem\1\data\C080223\
 Data File : C22V21455.D
 Acq On : 3 Aug 2023 8:58 am
 Operator :
 Sample : 23G3932-03 @ MS
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

Inst : GCMSVOA3

Quant Time: Aug 03 09:16:09 2023
 Quant Method : C:\msdchem\1\methods\C080822.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Fri Apr 21 09:50:20 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	4.292	168	164031	30.00	UG/L	0.00
48) 1,4-DIFLUOROBENZENE - ...	5.011	114	242426	30.00	UG/L	0.00
70) CHLOROBENZENE-D5 ISTD	7.839	82	121860	30.00	UG/L	0.00
89) 1,4-DICHLOROBENZENE-D4...	10.137	152	119680	30.00	UG/L	# 0.00
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.562	65	79104	25.70	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	102.80%	
49) TOLUENE SS	6.444	98	248737	25.91	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	103.64%	
71) 4-BROMOFLUOROBENZENE SS	8.999	95	81616	22.59	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	90.36%	
Target Compounds						
3) DICHLORODIFLUOROMETHANE	1.127	85	30719	12.94	UG/L	Qvalue 97
4) DIFLUOROCHLOROMETHANE	1.129	51	38990	12.46	UG/L	# 100
5) CHLOROMETHANE	1.238	50	46071	11.88	UG/L	# 22
6) VINYL CHLORIDE	1.308	62	35673	12.49	UG/L	96
7) BROMOMETHANE	1.503	94	23900	14.19	UG/L	97
8) CHLOROETHANE	1.570	64	20132	10.22	UG/L	97
9) FLUORODICHLOROMETHANE	1.693	67	45815	9.97	UG/L	98
10) TRICHLOROFLUOROMETHANE	1.737	101	36498	10.44	UG/L	98
11) ETHANOL	1.865	45	4804	84.75	UG/L	# 82
12) DI ETHYL ETHER	1.935	59	18674	9.20	UG/L	94
13) ACROLEIN	2.027	56	60577	121.12	UG/L	98
14) ACETONE	2.144	43	84048	84.42	UG/L	93
15) 1,1-DICHLOROETHENE	2.097	61	36013	10.13	UG/L	97
16) 1,1,2-TRICL-1,2,2-TRIF...	2.097	101	21635	10.48	UG/L	91
17) IODOMETHANE	2.211	142	338907	114.36	UG/L	99
20) METHYL ACETATE	2.404	43	28395	7.33	UG/L	95
21) T-BUTYL ALCOHOL	2.613	59	26676	67.92	UG/L	# 94
22) ACRYLONITRILE	2.705	53	10360	8.39	UG/L	91
23) METHYLENE CHLORIDE	2.476	49	34630	9.85	UG/L	96
24) CARBON DISULFIDE	2.267	76	751102	109.85	UG/L	99
25) METHYL TERT-BUTYL ETHE...	2.744	73	67800	8.78	UG/L	97
26) TRANS 1,2-DICHLOROETHENE	2.724	61	33516	9.92	UG/L	95
27) 1,1-DICHLOROETHANE	3.143	63	44820	10.40	UG/L	96
28) VINYL ACETATE	3.215	43	670164	93.38	UG/L	100
29) DI ISOPROYL ETHER	3.243	45	85494	10.03	UG/L	96
31) 2-BUTANONE	3.790	43	142207	98.74	UG/L	97
32) T-BUTYL ETHYL ETHER	3.622	59	68156	9.01	UG/L	98
33) CIS-1,2-DICHLOROETHENE	3.739	61	38065	10.14	UG/L	97
34) 2,2-DICHLOROPROPANE	3.734	77	31478	9.46	UG/L	94
35) ETHYL ACETATE	3.859	43	27591	7.76	UG/L	97
38) BROMOCHLOROMETHANE	3.982	49	23687	11.42	UG/L	98
39) TETRAHYDROFURAN	4.060	42	8868	8.65	UG/L	93
40) CHLOROFORM	4.071	83	43803	10.55	UG/L	96
41) 1,1,1-TRICHLOROETHANE	4.244	97	38389	11.11	UG/L	94
42) CYCLOHEXANE	4.292	56	40689	10.51	UG/L	93
43) CARBON TETRACHLORIDE	4.409	117	26886	9.31	UG/L	99
44) 1,1-DICHLOROPROPENE	4.409	75	32096	10.72	UG/L	96
45) BENZENE	4.612	78	101767	11.16	UG/L	99
47) T-AMYL METHYL ETHER	4.757	73	57213	7.97	UG/L	95
50) 1,2-DICHLOROETHANE	4.637	62	34792	10.07	UG/L	99
51) TRICHLOROETHENE	5.251	95	24763	11.07	UG/L	94
52) METHYLCYCLOHEXANE	5.438	83	30205	11.30	UG/L	95
53) 1,2-DICHLOROPROPANE	5.474	63	27084	10.94	UG/L	# 98

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 Operator :
 Sample : 23G3932-03 @ MS
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

Inst : GCMSVOA3

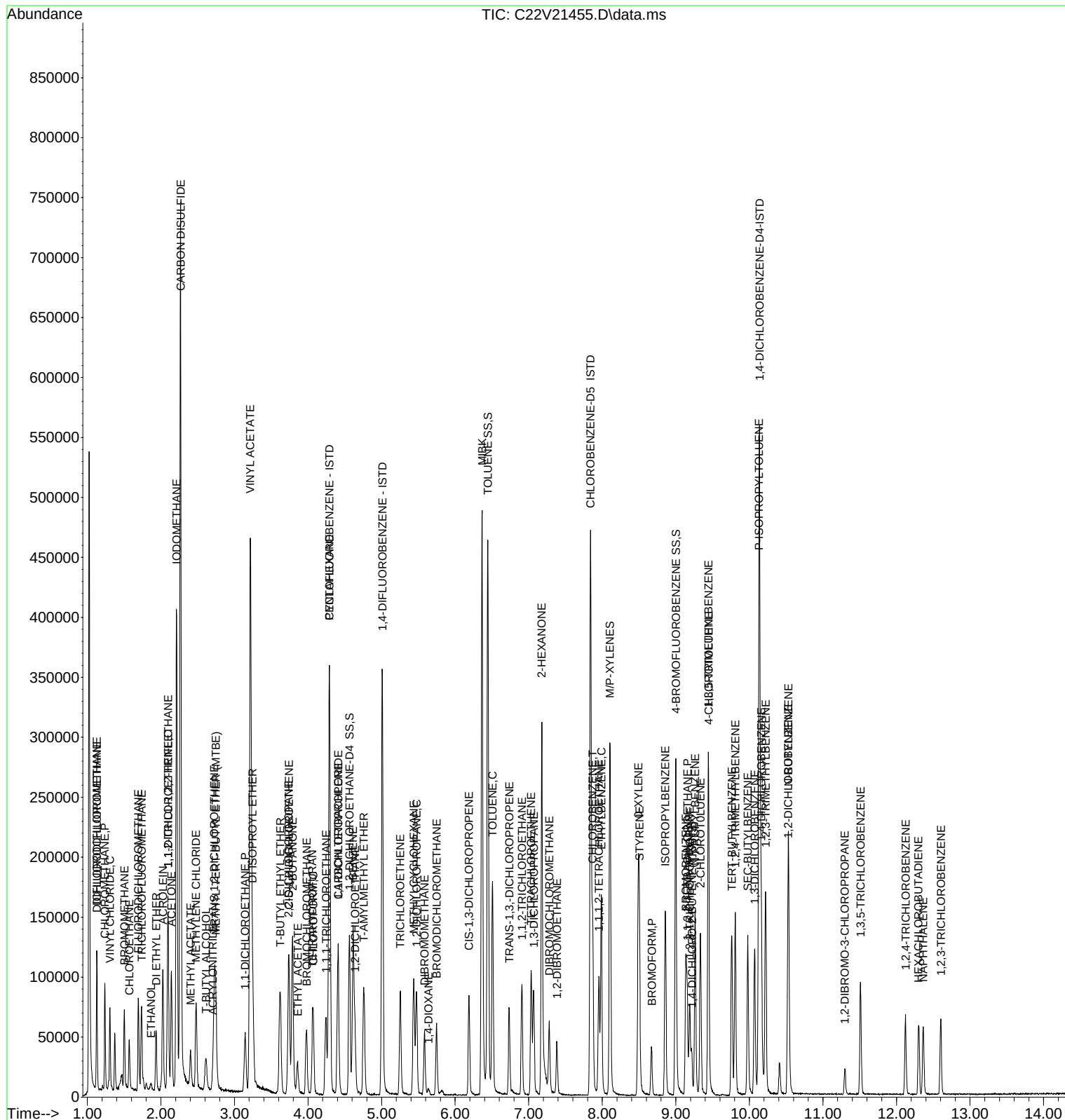
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 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Fri Apr 21 09:50:20 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
54) DIBROMOMETHANE	5.583	93	16103	9.98	UG/L	93
56) 1,4-DIOXANE	5.636	88	3227m	84.40	UG/L	
57) BROMODICHLOROMETHANE	5.747	83	31944	10.03	UG/L	95
59) MIBK	6.366	43	291368	87.68	UG/L	98
60) CIS-1,3-DICHLOROPROPENE	6.188	75	37446	9.79	UG/L	97
61) TOLUENE	6.509	91	105416	10.91	UG/L	96
62) TRANS-1,3,-DICHLOROPRO...	6.737	75	32070	9.73	UG/L	96
64) 1,1,2-TRICHLOROETHANE	6.907	97	23610	10.45	UG/L	96
65) 2-HEXANONE	7.178	43	200723	87.36	UG/L	93
66) TETRACHLOROETHENE	7.033	166	25693	11.32	UG/L	96
67) 1,3-DICHLOROPROPANE	7.069	76	40696	10.12	UG/L	99
68) DIBROMOCHLOROMETHANE	7.278	129	25057	9.22	UG/L	97
69) 1,2-DIBROMOETHANE	7.384	107	24583	10.16	UG/L	98
72) CHLOROBENZENE	7.869	112	66567	10.40	UG/L	95
73) 1,1,1,2-TETRACHLOROETHANE	7.953	131	23388	9.85	UG/L	98
74) ETHYLBENZENE	7.987	91	101983	9.85	UG/L	95
75) M/P-XYLENES	8.104	91	149653	18.51	UG/L	98
76) O-XYLENE	8.491	91	76566	9.00	UG/L	98
77) STYRENE	8.505	104	57497	8.41	UG/L	94
78) BROMOFORM	8.673	173	15833	7.45	UG/L	# 98
79) ISOPROPYLBENZENE	8.857	105	88337	9.08	UG/L	97
81) 1,1,2,2-TETRACHLOROETHANE	9.155	83	34393	9.23	UG/L	96
82) 1,4-DICHLORO-2-BUTENE(...	9.219	53	6082	6.25	UG/L	# 85
83) BROMOBENZENE	9.135	77	40731	9.60	UG/L	93
84) 1,2,3-TRICHLOROPROPANE	9.188	75	32911	10.76	UG/L	# 85
85) N-PROPYLBENZENE	9.264	91	101605	9.34	UG/L	96
86) 2-CHLOROTOLUENE	9.336	91	68570	9.67	UG/L	98
87) 1,3,5-TRIMETHYLBENZENE	9.442	105	74476	9.34	UG/L	96
88) 4-CHLOROTOLUENE	9.445	91	73695	9.14	UG/L	99
90) TERT-BUTYLBENZENE	9.760	119	57416	8.96	UG/L	98
91) 1,2,4-TRIMETHYLBENZENE	9.808	105	70804	8.99	UG/L	99
92) SEC-BUTYLBENZENE	9.978	105	80278	9.39	UG/L	97
93) 1,3-DICHLOROBENZENE	10.072	146	47721	10.03	UG/L	99
94) P-ISOPROPYLTOLUENE	10.128	119	69236	9.42	UG/L	99
95) 1,4-DICHLOROBENZENE	10.162	146	47029	9.28	UG/L	92
96) 1,2,3-TRIMETHYLBENZENE	10.220	105	84984	9.73	UG/L	# 100
97) N-BUTYLBENZENE	10.533	91	59204	9.58	UG/L	95
98) 1,2-DICHLOROBENZENE	10.524	146	46449	9.59	UG/L	97
99) 1,2-DIBROMO-3-CHLOROPR...	11.297	75	4925	7.49	UG/L	86
100) 1,3,5-TRICHLOROBENZENE	11.511	180	27829	9.41	UG/L	96
101) 1,2,4-TRICHLOROBENZENE	12.122	180	18622	6.87	UG/L	100
102) HEXACHLOROBUTADIENE	12.298	225	11777	10.35	UG/L	96
103) NAPHTHALENE	12.365	128	42691	5.26	UG/L	98
104) 1,2,3-TRICHLOROBENZENE	12.605	180	18780	7.09	UG/L	98

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

374

Quant Time: Aug 03 09:16:09 2023
Quant Method : C:\msdchem\1\methods\C080822.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Fri Apr 21 09:50:20 2023
Response via : Initial Calibration



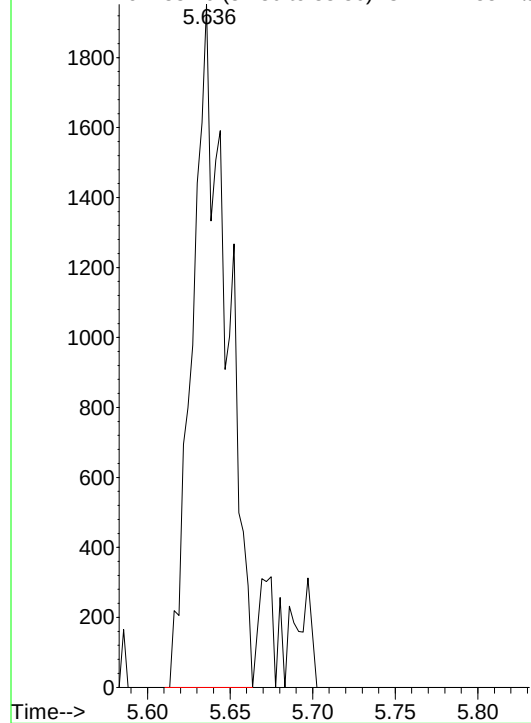
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Acq On : 3 Aug 2023 8:58 am
Operator :
Sample : 23G3932-03 @ MS
Misc :

Quant Time : Thu Aug 03 09:16:09 2023
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Fri Apr 21 09:50:20 2023

Original Integration

1,4-DIOXANE

Abundance on 88.10 (87.80 to 88.80): C22V21455.D



Original Int. Results

RT : 5.64
Area : 2802
Amount: 73.2829

Manual Int. Results

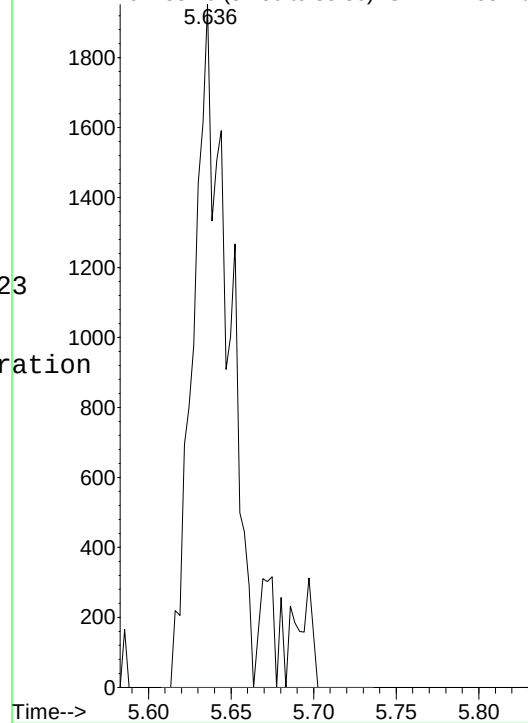
Thu Aug 03 09:16:09 2023

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Reason: Incoret Integration
RT : 5.64
Area : 3227
Amount: 84.3983

Manual Integration

1,4-DIOXANE

Abundance on 88.10 (87.80 to 88.80): C22V21455.D



1 - FORM I

ANALYSIS DATA SHEET

376

Matrix Spike Dup

Laboratory:	Pace New England	Work Order:	23G3932
Client:	NYDEC_AECOM - Buffalo, NY	Project:	C.A.E. Electronics_CAT B - CO 147580
Matrix:	Water	Laboratory ID:	B347625-MSD1
		File ID:	C22V21456.D
Sampled:		Prepared:	08/01/23 07:14
		Analyzed:	08/03/23 09:24
Solids:		Preparation:	SW-846 5030B
		Dilution:	
Batch:	B347625	Sequence:	S091452
		Calibration:	2200537
		Instrument:	GCMSVOA3
Column:	1		

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone	88.7	2.0	50	V-06
71-43-2	Benzene	11.0	0.18	1.0	
74-97-5	Bromochloromethane	11.9	0.28	1.0	
75-27-4	Bromodichloromethane	9.83	0.16	0.50	
75-25-2	Bromoform	7.28	0.41	1.0	
74-83-9	Bromomethane	14.4	1.3	2.0	MS-15, V-20
78-93-3	2-Butanone (MEK)	102	1.7	20	
75-15-0	Carbon Disulfide	112	1.6	5.0	
56-23-5	Carbon Tetrachloride	9.32	0.16	5.0	V-05
108-90-7	Chlorobenzene	10.5	0.12	1.0	
124-48-1	Chlorodibromomethane	9.07	0.20	0.50	
75-00-3	Chloroethane	10.1	0.34	2.0	
67-66-3	Chloroform	10.8	0.14	2.0	
74-87-3	Chloromethane	11.9	0.50	2.0	
110-82-7	Cyclohexane	10.7	1.8	5.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	7.83	0.85	5.0	V-05
106-93-4	1,2-Dibromoethane (EDB)	9.77	0.16	0.50	
95-50-1	1,2-Dichlorobenzene	10.0	0.13	1.0	
541-73-1	1,3-Dichlorobenzene	10.0	0.14	1.0	
106-46-7	1,4-Dichlorobenzene	9.85	0.13	1.0	
75-71-8	Dichlorodifluoromethane (Freon 12)	13.4	0.16	2.0	MS-24
75-34-3	1,1-Dichloroethane	10.5	0.14	1.0	
107-06-2	1,2-Dichloroethane	9.68	0.30	1.0	
75-35-4	1,1-Dichloroethylene	10.2	0.14	1.0	
156-59-2	cis-1,2-Dichloroethylene	10.4	0.14	1.0	
156-60-5	trans-1,2-Dichloroethylene	9.95	0.17	1.0	
78-87-5	1,2-Dichloropropane	10.6	0.19	1.0	
10061-01-5	cis-1,3-Dichloropropene	9.94	0.16	0.50	
10061-02-6	trans-1,3-Dichloropropene	9.59	0.14	0.50	
123-91-1	1,4-Dioxane	71.5	18	50	

1 - FORM I

ANALYSIS DATA SHEET

377

Matrix Spike Dup

Laboratory:	Pace New England	Work Order:	23G3932
Client:	NYDEC_AECOM - Buffalo, NY	Project:	C.A.E. Electronics_CAT B - CO 147580
Matrix:	Water	Laboratory ID:	B347625-MSD1
		File ID:	C22V21456.D
Sampled:		Prepared:	08/01/23 07:14
		Analyzed:	08/03/23 09:24
Solids:		Preparation:	SW-846 5030B
		Dilution:	
Batch:	B347625	Sequence:	S091452
		Calibration:	2200537
		Instrument:	GCMSVOA3
Column:	1		

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
100-41-4	Ethylbenzene	9.92	0.22	1.0	
591-78-6	2-Hexanone (MBK)	88.1	1.2	10	
98-82-8	Isopropylbenzene (Cumene)	9.20	0.15	1.0	
79-20-9	Methyl Acetate	7.56	0.61	1.0	V-05
1634-04-4	Methyl tert-Butyl Ether (MTBE)	8.88	0.17	1.0	
108-87-2	Methyl Cyclohexane	11.2	0.16	1.0	
75-09-2	Methylene Chloride	9.86	0.18	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)	88.1	1.3	10	
100-42-5	Styrene	8.88	0.15	1.0	
79-34-5	1,1,2,2-Tetrachloroethane	9.32	0.14	0.50	
127-18-4	Tetrachloroethylene	11.1	0.17	1.0	
108-88-3	Toluene	10.6	0.22	1.0	
87-61-6	1,2,3-Trichlorobenzene	7.89	0.34	5.0	
120-82-1	1,2,4-Trichlorobenzene	7.64	0.30	1.0	
71-55-6	1,1,1-Trichloroethane	11.1	0.15	1.0	
79-00-5	1,1,2-Trichloroethane	10.1	0.19	1.0	
79-01-6	Trichloroethylene	11.2	0.17	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)	10.6	0.15	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.1	0.21	1.0	
75-01-4	Vinyl Chloride	12.9	0.24	2.0	
108383/106423	m+p Xylene	19.4	0.49	2.0	
95-47-6	o-Xylene	9.03	0.24	1.0	
1330-20-7	Xylenes (total)	28.4	1.0	1.0	

Data Path : C:\msdchem\1\data\C080223\
 Data File : C22V21456.D
 Acq On : 3 Aug 2023 9:24 am
 Operator :
 Sample : 23G3932-03 @ MSD
 Misc :
 ALS Vial : 56 Sample Multiplier: 1

Inst : GCMSVOA3

Quant Time: Aug 03 09:49:00 2023
 Quant Method : C:\msdchem\1\methods\C080822.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Fri Apr 21 09:50:20 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	4.292	168	165593	30.00	UG/L	0.00
48) 1,4-DIFLUOROBENZENE - ...	5.008	114	250776	30.00	UG/L	0.00
70) CHLOROBENZENE-D5 ISTD	7.841	82	124011	30.00	UG/L	0.00
89) 1,4-DICHLOROBENZENE-D4...	10.136	152	120439	30.00	UG/L	# 0.00
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.565	65	78882	25.39	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	101.56%	
49) TOLUENE SS	6.442	98	256727	25.85	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	103.40%	
71) 4-BROMOFLUOROBENZENE SS	8.999	95	83134	22.61	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	90.44%	
Target Compounds						
3) DICHLORODIFLUOROMETHANE	1.126	85	32062	13.38	UG/L	Qvalue 97
4) DIFLUOROCHLOROMETHANE	1.132	51	39242	12.43	UG/L	# 100
5) CHLOROMETHANE	1.238	50	46447	11.86	UG/L	# 25
6) VINYL CHLORIDE	1.308	62	37294	12.94	UG/L	99
7) BROMOMETHANE	1.503	94	24458	14.39	UG/L	95
8) CHLOROETHANE	1.570	64	20127	10.13	UG/L	98
9) FLUORODICHLOROMETHANE	1.692	67	46980	10.13	UG/L	98
10) TRICHLOROFLUOROMETHANE	1.734	101	37401	10.60	UG/L	98
11) ETHANOL	1.868	45	4830	84.41	UG/L	92
12) DI ETHYL ETHER	1.935	59	19847	9.68	UG/L	95
13) ACROLEIN	2.027	56	60877	120.58	UG/L	95
14) ACETONE	2.141	43	89121	88.67	UG/L	94
15) 1,1-DICHLOROETHENE	2.097	61	36767	10.24	UG/L	95
16) 1,1,2-TRICL-1,2,2-TRIF...	2.094	101	23213	11.14	UG/L	86
17) IODOMETHANE	2.214	142	357075	119.35	UG/L	99
20) METHYL ACETATE	2.404	43	29598	7.56	UG/L	94
21) T-BUTYL ALCOHOL	2.610	59	29031	73.22	UG/L	# 94
22) ACRYLONITRILE	2.705	53	10909	8.75	UG/L	92
23) METHYLENE CHLORIDE	2.479	49	34997	9.86	UG/L	95
24) CARBON DISULFIDE	2.267	76	772729	111.95	UG/L	99
25) METHYL TERT-BUTYL ETHE...	2.744	73	69237	8.88	UG/L	98
26) TRANS 1,2-DICHLOROETHENE	2.727	61	33932	9.95	UG/L	99
27) 1,1-DICHLOROETHANE	3.143	63	45649	10.50	UG/L	97
28) VINYL ACETATE	3.218	43	677348	93.49	UG/L	99
29) DI ISOPROYL ETHER	3.243	45	87740	10.20	UG/L	98
31) 2-BUTANONE	3.790	43	147656	101.55	UG/L	97
32) T-BUTYL ETHYL ETHER	3.619	59	69505	9.10	UG/L	98
33) CIS-1,2-DICHLOROETHENE	3.739	61	39316	10.38	UG/L	95
34) 2,2-DICHLOROPROPANE	3.739	77	32178	9.58	UG/L	93
35) ETHYL ACETATE	3.856	43	30010	8.36	UG/L	98
38) BROMOCHLOROMETHANE	3.979	49	24965	11.92	UG/L	97
39) TETRAHYDROFURAN	4.060	42	9259	8.94	UG/L	95
40) CHLOROFORM	4.068	83	45290	10.81	UG/L	97
41) 1,1,1-TRICHLOROETHANE	4.241	97	38690	11.09	UG/L	96
42) CYCLOHEXANE	4.292	56	41854	10.71	UG/L	96
43) CARBON TETRACHLORIDE	4.406	117	27168	9.32	UG/L	98
44) 1,1-DICHLOROPROPENE	4.411	75	31878	10.55	UG/L	95
45) BENZENE	4.612	78	101132	10.99	UG/L	97
47) T-AMYL METHYL ETHER	4.760	73	60354	8.33	UG/L	93
50) 1,2-DICHLOROETHANE	4.637	62	34603	9.68	UG/L	98
51) TRICHLOROETHANE	5.254	95	25817	11.16	UG/L	91
52) METHYLCYCLOHEXANE	5.438	83	31001	11.21	UG/L	# 88
53) 1,2-DICHLOROPROPANE	5.474	63	27195	10.62	UG/L	# 98

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 Sample : 23G3932-03 @ MSD
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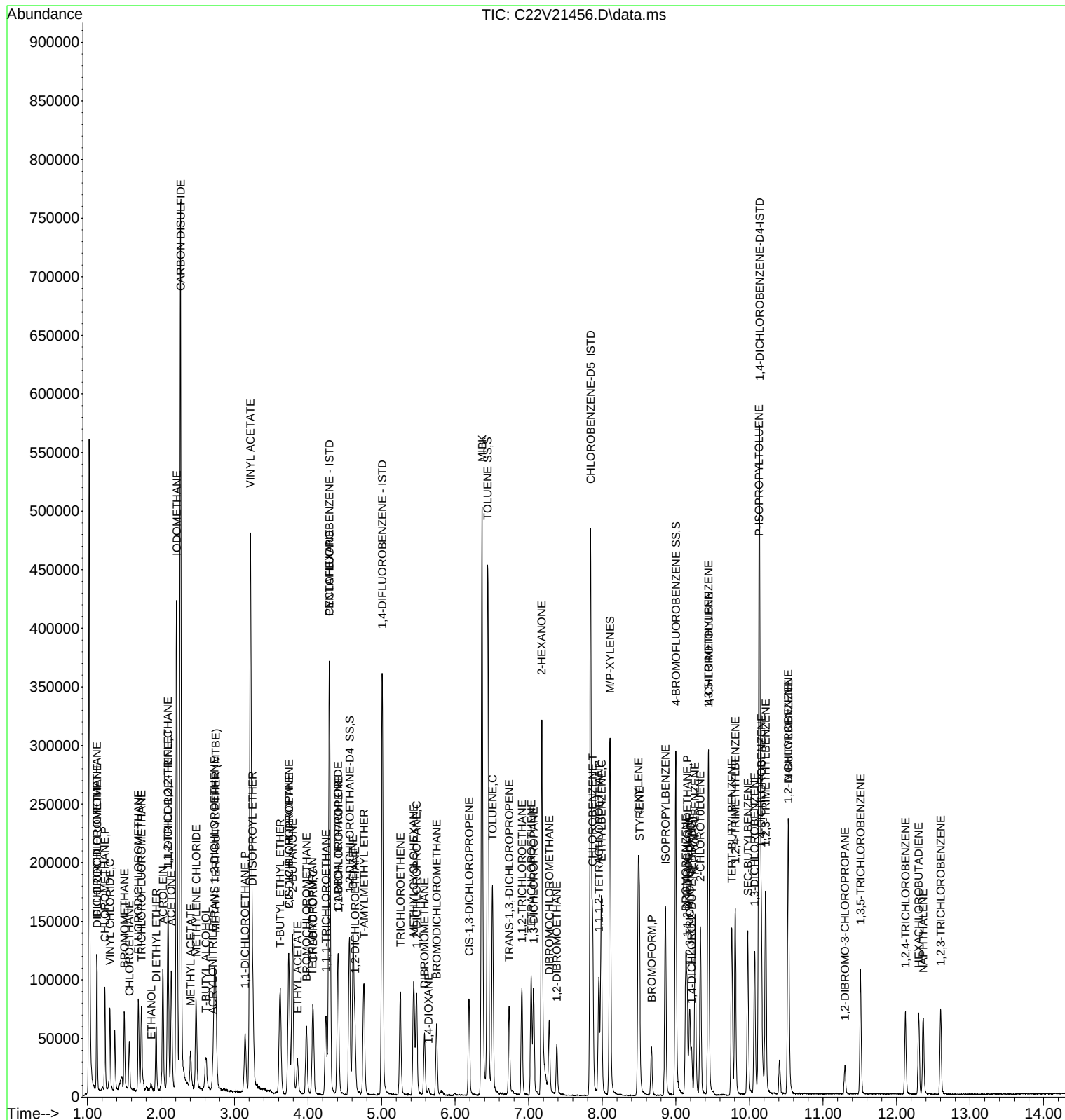
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
54) DIBROMOMETHANE	5.583	93	16770	10.05	UG/L	92
56) 1,4-DIOXANE	5.636	88	2829	71.53	UG/L #	56
57) BROMODICHLOROMETHANE	5.747	83	32367	9.83	UG/L	96
59) MIBK	6.366	43	302851	88.10	UG/L	98
60) CIS-1,3-DICHLOROPROPENE	6.191	75	39355	9.94	UG/L	95
61) TOLUENE	6.508	91	106189	10.63	UG/L	97
62) TRANS-1,3,-DICHLOROPRO...	6.734	75	32726	9.59	UG/L	95
64) 1,1,2-TRICHLOROETHANE	6.907	97	23705	10.14	UG/L	95
65) 2-HEXANONE	7.178	43	209509	88.14	UG/L	99
66) TETRACHLOROETHENE	7.036	166	25971	11.06	UG/L	98
67) 1,3-DICHLOROPROPANE	7.066	76	41668	10.02	UG/L	99
68) DIBROMOCHLOROMETHANE	7.278	129	25518	9.07	UG/L	99
69) 1,2-DIBROMOETHANE	7.381	107	24455	9.77	UG/L	97
72) CHLOROBENZENE	7.869	112	68180	10.46	UG/L	94
73) 1,1,1,2-TETRACHLOROETHANE	7.953	131	23795	9.85	UG/L	97
74) ETHYLBENZENE	7.989	91	104578	9.92	UG/L	97
75) M/P-XYLENES	8.106	91	159712	19.41	UG/L	97
76) O-XYLENE	8.491	91	78227	9.03	UG/L	98
77) STYRENE	8.505	104	61773	8.88	UG/L	96
78) BROMOFORM	8.670	173	15760	7.28	UG/L #	96
79) ISOPROPYLBENZENE	8.859	105	91124	9.20	UG/L	99
81) 1,1,2,2-TETRACHLOROETHANE	9.155	83	35350	9.32	UG/L	95
82) 1,4-DICHLORO-2-BUTENE(...	9.213	53	6243	6.30	UG/L #	87
83) BROMOBENZENE	9.135	77	41189	9.53	UG/L	96
84) 1,2,3-TRICHLOROPROPANE	9.188	75	34694	11.15	UG/L #	82
85) N-PROPYLBENZENE	9.261	91	106317	9.60	UG/L	97
86) 2-CHLOROTOLUENE	9.333	91	70934	9.83	UG/L	99
87) 1,3,5-TRIMETHYLBENZENE	9.442	105	77732	9.58	UG/L	98
88) 4-CHLOROTOLUENE	9.445	91	75326	9.18	UG/L	100
90) TERT-BUTYLBENZENE	9.760	119	59509	9.23	UG/L	96
91) 1,2,4-TRIMETHYLBENZENE	9.807	105	76625	9.67	UG/L	94
92) SEC-BUTYLBENZENE	9.980	105	83525	9.71	UG/L	97
93) 1,3-DICHLOROBENZENE	10.070	146	48069	10.04	UG/L	99
94) P-ISOPROPYLTOLUENE	10.128	119	71853	9.72	UG/L	99
95) 1,4-DICHLOROBENZENE	10.162	146	50261	9.85	UG/L	94
96) 1,2,3-TRIMETHYLBENZENE	10.220	105	86019	9.79	UG/L #	100
97) N-BUTYLBENZENE	10.532	91	63793	10.25	UG/L	93
98) 1,2-DICHLOROBENZENE	10.524	146	48953	10.05	UG/L	99
99) 1,2-DIBROMO-3-CHLOROPR...	11.299	75	5184	7.83	UG/L	88
100) 1,3,5-TRICHLOROBENZENE	11.511	180	29679	9.97	UG/L	98
101) 1,2,4-TRICHLOROBENZENE	12.119	180	20830	7.64	UG/L	97
102) HEXACHLOROBUTADIENE	12.300	225	12863	11.23	UG/L	99
103) NAPHTHALENE	12.365	128	51110	6.25	UG/L	99
104) 1,2,3-TRICHLOROBENZENE	12.602	180	21030	7.89	UG/L	99

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

380

Quant Time: Aug 03 09:49:00 2023
Quant Method : C:\msdchem\1\methods\C080822.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Fri Apr 21 09:50:20 2023
Response via : Initial Calibration



B347625

CON-TEST ANALYTICAL LABORATORY

Printed: 8/7/2023 4:19:43PM

Matrix: Water

Prepared using: VOC - SW-846 5030B

Surrogate used: 2303317

Lab Number	Sample Name	Sample ID Verified (Signature)	Analysis	Due Date	TAT	Initial (mL)	Final (mL)	Spike ID	Source ID	uL Spike	Location	Extraction Comments
23G3932-01	MW-06		8260 ASP DEC TCL	08/11/23 17:00	10	5	5				Refrigerator 45-1N	CAT B - Report to MDL
23G3932-02	MW-11		8260 ASP DEC TCL	08/11/23 17:00	10	5	5				Refrigerator 45-1N	CAT B - Report to MDL
23G3932-03	MW-10		8260 ASP DEC TCL	08/11/23 17:00	10	5	5				Refrigerator 45-1O	CAT B - Report to MDL
23G3932-04	MW-04		8260 ASP DEC TCL	08/11/23 17:00	10	5	5				Refrigerator 45-1O	CAT B - Report to MDL
23G3932-05	MW-28R		8260 ASP DEC TCL	08/11/23 17:00	10	5	5				Refrigerator 45-1O	CAT B - Report to MDL
23G3932-06	MW-26		8260 ASP DEC TCL	08/11/23 17:00	10	5	5				Refrigerator 45-1O	CAT B - Report to MDL
23G3932-07	MW-15		8260 ASP DEC TCL	08/11/23 17:00	10	5	5				Refrigerator 45-1O	CAT B - Report to MDL
23G3932-08	MW-07-06		8260 ASP DEC TCL	08/11/23 17:00	10	5	5				Refrigerator 45-1O	CAT B - Report to MDL
23G3932-09	MW-20		8260 ASP DEC TCL	08/11/23 17:00	10	5	5				Refrigerator 45-1O	CAT B - Report to MDL
23G3932-10	MW-07-05		8260 ASP DEC TCL	08/11/23 17:00	10	5	5				Refrigerator 45-1O	CAT B - Report to MDL
23G3932-11	MW-07-08		8260 ASP DEC TCL	08/11/23 17:00	10	5	5				Refrigerator 45-1O	CAT B - Report to MDL
23G3932-12	MW-07-09		8260 ASP DEC TCL	08/11/23 17:00	10	5	5				Refrigerator 45-1O	CAT B - Report to MDL
23G3932-13	MW-25		8260 ASP DEC TCL	08/11/23 17:00	10	5	5				Refrigerator 45-1O	CAT B - Report to MDL
23G3932-14	NW-06		8260 ASP DEC TCL	08/11/23 17:00	10	5	5				Refrigerator 45-1O	CAT B - Report to MDL
23G3932-15	MW-17		8260 ASP DEC TCL	08/11/23 17:00	10	5	5				Refrigerator 45-1O	CAT B - Report to MDL
23G3932-16	FD-270723		8260 ASP DEC TCL	08/11/23 17:00	10	5	5				Refrigerator 45-1O	CAT B - Report to MDL
23G3932-17	NW-05		8260 ASP DEC TCL	08/11/23 17:00	10	5	5				Refrigerator 45-1O	CAT B - Report to MDL
23G3932-18	TB-270723		8260 ASP DEC TCL	08/11/23 17:00	10	5	5				Refrigerator 45-1O	CAT B - Report to MDL
B347625-BLK1	Blank		QC			5	5					
B347625-BS1	LCS		QC			5	5	2307485		5		
B347625-BSD1	LCS Dup		QC			5	5	2307485		5		
B347625-MS1	Matrix Spike		QC			5	5	2307485	23G3932-03	5		
B347625-MSD1	Matrix Spike Dup		QC			5	5	2307485	23G3932-03	5		

381

VOC DEPARTMENT | PREPARATION BENCH SHEET

B347625

CON-TEST ANALYTICAL LABORATORY

Printed: 8/7/2023 4:19:43PM

Matrix: Water		Prepared using: VOC - SW-846 5030B					Surrogate used: 2303317					
Lab Number	Sample Name	Sample ID Verified (Signature)	Analysis	Due Date	TAT	Initial	Final	Spike ID	Source ID	uL Spike	Location	Extraction Comments

8/2/23#3 2ND

C:\msdchem\1\data\C080223\

Date			Filename	Lab ID	Sample Info
2 Aug 2023	9:01	am	C22V21401.D	PRIME	
2 Aug 2023	9:28	am	C22V21402.D	PRIME	
2 Aug 2023	9:54	am	C22V21403.D	BFB	
2 Aug 2023	10:22	am	C22V21404.D	8260 STD 10PPB/B0BS1	
2 Aug 2023	10:49	am	C22V21405.D	B0BSD1	
2 Aug 2023	11:15	am	C22V21406.D	BLK	
2 Aug 2023	11:42	am	C22V21407.D	B0-BLK1 @ 10X TCLP	10
2 Aug 2023	12:09	pm	C22V21408.D	B0BLK1	
2 Aug 2023	12:35	pm	C22V21409.D	23G3987-01 @ 10X TCLP	10
2 Aug 2023	1:02	pm	C22V21410.D	23G4107-01	
2 Aug 2023	1:28	pm	C22V21411.D	23G4107-02 @ P/O SED	
2 Aug 2023	1:55	pm	C22V21412.D	23G4107-03	
2 Aug 2023	2:22	pm	C22V21413.D	23G4107-04	
2 Aug 2023	2:48	pm	C22V21414.D	23G4107-05	
2 Aug 2023	3:15	pm	C22V21415.D	23G4107-06	
2 Aug 2023	3:42	pm	C22V21416.D	23G4107-07	
2 Aug 2023	4:08	pm	C22V21417.D	23G4107-08	
2 Aug 2023	4:35	pm	C22V21418.D	23G4237-01	
2 Aug 2023	5:02	pm	C22V21419.D	23G4237-02	
2 Aug 2023	5:28	pm	C22V21420.D	23G4237-03	
2 Aug 2023	5:55	pm	C22V21421.D	23G4237-04	
2 Aug 2023	6:22	pm	C22V21422.D	23G4237-05	
2 Aug 2023	6:48	pm	C22V21423.D	23G3719-01 @ 50X M	50
2 Aug 2023	7:15	pm	C22V21424.D	23G3737-02 @ 4X F	4
2 Aug 2023	7:42	pm	C22V21425.D	BLK	
2 Aug 2023	8:08	pm	C22V21426.D	23G4248-01 @ 50X OILY	50
2 Aug 2023	8:35	pm	C22V21427.D	23G4249-01 @ 50X OILY	50
2 Aug 2023	9:01	pm	C22V21428.D	23G4249-02 @ 500X	500
2 Aug 2023	9:28	pm	C22V21429.D	PRIME	
2 Aug 2023	9:55	pm	C22V21430.D	PRIME	
2 Aug 2023	10:21	pm	C22V21431.D	BFB	
2 Aug 2023	10:48	pm	C22V21432.D	8260 STD 10PPB 2305304/B0BS1	
2 Aug 2023	11:15	pm	C22V21433.D	B0-BSD1	
2 Aug 2023	11:41	pm	C22V21434.D	BLK	
3 Aug 2023	12:08	am	C22V21435.D	BLK	
3 Aug 2023	12:34	am	C22V21436.D	B0-BLK1	
3 Aug 2023	1:01	am	C22V21437.D	23G3932-18 @ TB	
3 Aug 2023	1:27	am	C22V21438.D	23G3932-01	
3 Aug 2023	1:54	am	C22V21439.D	23G3932-02	
3 Aug 2023	2:21	am	C22V21440.D	23G3932-03	
3 Aug 2023	2:47	am	C22V21441.D	23G3932-04	
3 Aug 2023	3:14	am	C22V21442.D	23G3932-05	
3 Aug 2023	3:41	am	C22V21443.D	23G3932-06	
3 Aug 2023	4:07	am	C22V21444.D	23G3932-07	
3 Aug 2023	4:34	am	C22V21445.D	23G3932-08	
3 Aug 2023	5:01	am	C22V21446.D	23G3932-09	
3 Aug 2023	5:27	am	C22V21447.D	23G3932-10	
3 Aug 2023	5:51	am	C22V21448.D	23G3932-11	
3 Aug 2023	6:18	am	C22V21449.D	23G3932-12	
3 Aug 2023	6:45	am	C22V21450.D	23G3932-13	
3 Aug 2023	7:11	am	C22V21451.D	23G3932-14	
3 Aug 2023	7:38	am	C22V21452.D	23G3932-15	
3 Aug 2023	8:04	am	C22V21453.D	23G3932-16	
3 Aug 2023	8:31	am	C22V21454.D	23G3932-17	
3 Aug 2023	8:58	am	C22V21455.D	23G3932-03 @ MS	
3 Aug 2023	9:24	am	C22V21456.D	23G3932-03 @ MSD	

pH<2
Except:
23G3737-02 pH 3