

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111825\
 Data File : VU063735.D
 Acq On : 18 Nov 2025 11:46
 Operator : MD/SY
 Sample : Q3589-02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT4-2025-08

Quant Time: Nov 19 04:53:46 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 19 04:47:02 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Amit Patel 11/19/2025
 Supervised By :Mahesh Dadoda 11/19/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	6.222	114	328286	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.393	117	310025	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.788	152	158022	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.586	65	127715	45.051	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	90.100%		
7) Chloroethane-d5	1.895	69	100051	45.810	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	91.620%		
11) 1,1-Dichloroethene-d2	2.541	63	180903	36.815	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	73.620%		
21) 2-Butanone-d5	4.595	46	136870	84.689	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	84.690%		
24) Chloroform-d	5.030	84	217588	45.746	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	91.500%		
26) 1,2-Dichloroethane-d4	5.669	65	144176	46.097	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.200%		
32) Benzene-d6	5.695	84	442868	48.734	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.460%		
36) 1,2-Dichloropropane-d6	6.660	67	126291	47.339	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	94.680%		
41) Toluene-d8	7.872	98	406538	47.117	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	94.240%		
43) trans-1,3-Dichloroprop...	8.155	79	49134	44.568	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	89.140%		
47) 2-Hexanone-d5	8.615	63	87328	90.033	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	90.030%		
56) 1,1,2,2-Tetrachloroeth...	10.730	84	181404	46.498	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	93.000%		
66) 1,2-Dichlorobenzene-d4	12.168	152	145897	48.909	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	97.820%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.374	85	4584	2.399	ug/L	98
3) Chloromethane	1.509	50	5517	2.552	ug/L	98
5) Vinyl chloride	1.589	62	6618	2.633	ug/L #	72
6) Bromomethane	1.840	94	4184	2.627	ug/L	98
8) Chloroethane	1.914	64	4091	2.438	ug/L	91
9) Trichlorofluoromethane	2.120	101	9659	2.436	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.551	101	7289	3.111	ug/L #	78
12) 1,1-Dichloroethene	2.554	96	6716	3.134	ug/L #	1
13) Acetone	2.608	43	9586	4.383	ug/L	89
14) Carbon disulfide	2.769	76	12885	2.308	ug/L	99
15) Methyl Acetate	2.936	43	6494m	2.473	ug/L	
16) Methylene chloride	3.020	84	6982	2.795	ug/L	94
17) trans-1,2-Dichloroethene	3.329	96	5188	2.271	ug/L	92
18) Methyl tert-butyl Ether	3.342	73	18657	2.413	ug/L #	67
19) 1,1-Dichloroethane	3.840	63	10451	2.374	ug/L #	93
20) cis-1,2-Dichloroethene	4.637	96	6129	2.331	ug/L	98
22) 2-Butanone	4.705	43	11768m	4.843	ug/L	
23) Bromochloromethane	4.952	128	3007	2.224	ug/L	95
25) Chloroform	5.058	83	12800	2.686	ug/L	98

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27) 1,2-Dichloroethane	5.772	62	7977	2.051	ug/L	99
29) Cyclohexane	5.354	56	9566	2.452	ug/L #	88
30) 1,1,1-Trichloroethane	5.284	97	9324	2.355	ug/L #	78
31) Carbon tetrachloride	5.496	117	6860	2.204	ug/L	99
33) Benzene	5.750	78	23813	2.518	ug/L	100
34) Trichloroethene	6.518	95	6775	2.485	ug/L	92
35) Methylcyclohexane	6.730	83	10368	2.591	ug/L	93
37) 1,2-Dichloropropane	6.763	63	6487	2.640	ug/L #	88
38) Bromodichloromethane	7.081	83	7778	2.311	ug/L	98
39) cis-1,3-Dichloropropene	7.586	75	8331	2.286	ug/L	99
40) 4-Methyl-2-pentanone	7.769	43	16646	4.680	ug/L	94
42) Toluene	7.946	91	27005	2.587	ug/L	97
44) trans-1,3-Dichloropropene	8.190	75	7476	2.350	ug/L	94
45) 1,1,2-Trichloroethane	8.377	97	6275	2.415	ug/L	96
46) Tetrachloroethene	8.531	164	5371	2.576	ug/L	97
48) 2-Hexanone	8.672	43	24411	8.744	ug/L #	81
49) Dibromochloromethane	8.782	129	4892	1.949	ug/L	98
50) 1,2-Dibromoethane	8.901	107	6820	2.500	ug/L	95
51) Chlorobenzene	9.425	112	18159	2.578	ug/L	97
52) Ethylbenzene	9.550	91	28385	2.342	ug/L	93
53) m,p-Xylene	9.672	106	10904	2.360	ug/L	97
54) o-Xylene	10.078	106	10183	2.263	ug/L	99
55) Styrene	10.097	104	16075	2.205	ug/L	83
57) 1,1,2,2-Tetrachloroethane	10.756	83	11456	2.707	ug/L	92
59) Bromoform	10.267	173	3559	1.983	ug/L #	75
60) 1,2,3-Trichloropropane	10.798	75	8951	2.595	ug/L	98
61) Isopropylbenzene	10.460	105	29083	2.440	ug/L	97
62) 1,3,5-Trimethylbenzene	11.065	105	22506	2.295	ug/L	97
63) 1,2,4-Trimethylbenzene	11.447	105	21240	2.269	ug/L	98
64) 1,3-Dichlorobenzene	11.724	146	14293	2.674	ug/L	95
65) 1,4-Dichlorobenzene	11.814	146	14952	2.731	ug/L	92
67) 1,2-Dichlorobenzene	12.187	146	13566	2.618	ug/L #	89
68) 1,2-Dibromo-3-chloropr...	12.971	75	1625	1.908	ug/L #	73
69) 1,3,5-Trichlorobenzene	13.196	180	8831	2.445	ug/L	95
70) 1,2,4-trichlorobenzene	13.820	180	8269	2.745	ug/L	93
71) Naphthalene	14.065	128	22066	2.753	ug/L	99
72) 1,2,3-Trichlorobenzene	14.306	180	6990	2.449	ug/L #	92

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

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