

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111725\
 Data File : VU063728.D
 Acq On : 17 Nov 2025 15:32
 Operator : MD/SY
 Sample : Q3589-01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT4-2025-07

Quant Time: Nov 18 02:20:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 18 01:55:44 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	6.219	114	326517	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.393	117	313191	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.788	152	157158	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.583	65	128508	45.577	ug/L	0.00
Spiked Amount 50.000	Range 60	- 135	Recovery	=	91.160%	
7) Chloroethane-d5	1.891	69	98778	45.472	ug/L	0.00
Spiked Amount 50.000	Range 70	- 130	Recovery	=	90.940%	
11) 1,1-Dichloroethene-d2	2.541	63	176056	36.022	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	=	72.040%	
21) 2-Butanone-d5	4.595	46	154102	95.868	ug/L	0.00
Spiked Amount 100.000	Range 40	- 130	Recovery	=	95.870%	
24) Chloroform-d	5.029	84	212563	44.932	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	89.860%	
26) 1,2-Dichloroethane-d4	5.669	65	147500	47.415	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	94.840%	
32) Benzene-d6	5.695	84	433129	47.181	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	94.360%	
36) 1,2-Dichloropropane-d6	6.660	67	124698	46.270	ug/L	0.00
Spiked Amount 50.000	Range 70	- 120	Recovery	=	92.540%	
41) Toluene-d8	7.872	98	399830	45.871	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	=	91.740%	
43) trans-1,3-Dichloroprop...	8.155	79	48443	43.497	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	=	87.000%	
47) 2-Hexanone-d5	8.611	63	90840	92.707	ug/L	0.00
Spiked Amount 100.000	Range 45	- 130	Recovery	=	92.710%	
56) 1,1,2,2-Tetrachloroeth...	10.730	84	181438	46.036	ug/L	0.00
Spiked Amount 50.000	Range 65	- 120	Recovery	=	92.080%	
66) 1,2-Dichlorobenzene-d4	12.167	152	144326	48.648	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	=	97.300%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.374	85	3957	2.082	ug/L	98
3) Chloromethane	1.509	50	5071	2.359	ug/L	95
5) Vinyl chloride	1.589	62	6437	2.575	ug/L #	59
6) Bromomethane	1.840	94	3945	2.490	ug/L	94
8) Chloroethane	1.914	64	4249m	2.546	ug/L	
9) Trichlorofluoromethane	2.116	101	9196	2.332	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.550	101	6648	2.853	ug/L #	83
12) 1,1-Dichloroethene	2.554	96	6483	3.042	ug/L #	1
13) Acetone	2.605	43	9725	4.470	ug/L	97
14) Carbon disulfide	2.766	76	14997	2.701	ug/L	99
15) Methyl Acetate	2.936	43	6776m	2.594	ug/L	
17) trans-1,2-Dichloroethene	3.325	96	5925m	2.607	ug/L	
18) Methyl tert-butyl Ether	3.332	73	16672	2.168	ug/L #	86
19) 1,1-Dichloroethane	3.833	63	9900	2.261	ug/L	97
20) cis-1,2-Dichloroethene	4.634	96	5964	2.280	ug/L	99
22) 2-Butanone	4.708	43	15380m	6.364	ug/L	
23) Bromochloromethane	4.949	128	3195	2.376	ug/L	95
25) Chloroform	5.055	83	12202	2.574	ug/L	99
27) 1,2-Dichloroethane	5.769	62	9465m	2.446	ug/L	

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29) Cyclohexane	5.351	56	9333	2.368	ug/L	97
30) 1,1,1-Trichloroethane	5.283	97	8918	2.230	ug/L	97
31) Carbon tetrachloride	5.492	117	6451	2.051	ug/L	97
33) Benzene	5.743	78	23099m	2.418	ug/L	
34) Trichloroethene	6.518	95	7534	2.736	ug/L	95
35) Methylcyclohexane	6.734	83	10404	2.574	ug/L	88
37) 1,2-Dichloropropane	6.763	63	5055	2.036	ug/L #	97
38) Bromodichloromethane	7.084	83	6941	2.042	ug/L #	96
39) cis-1,3-Dichloropropene	7.586	75	8251	2.241	ug/L	99
40) 4-Methyl-2-pentanone	7.772	43	16289	4.533	ug/L	96
42) Toluene	7.946	91	24999	2.371	ug/L	97
44) trans-1,3-Dichloropropene	8.187	75	6507	2.025	ug/L	90
45) 1,1,2-Trichloroethane	8.373	97	6199	2.361	ug/L	91
46) Tetrachloroethene	8.524	164	4916	2.334	ug/L	98
48) 2-Hexanone	8.669	43	24995	8.862	ug/L #	96
49) Dibromochloromethane	8.782	129	4948	1.952	ug/L	98
50) 1,2-Dibromoethane	8.904	107	6102	2.214	ug/L #	91
51) Chlorobenzene	9.422	112	17943	2.521	ug/L	98
52) Ethylbenzene	9.547	91	28908	2.361	ug/L	91
53) m,p-Xylene	9.672	106	10808	2.316	ug/L	98
54) o-Xylene	10.074	106	10396	2.287	ug/L	89
55) Styrene	10.097	104	17334	2.354	ug/L	93
57) 1,1,2,2-Tetrachloroethane	10.756	83	11018	2.577	ug/L #	95
59) Bromoform	10.267	173	3387	1.898	ug/L #	94
60) 1,2,3-Trichloropropane	10.794	75	8528	2.486	ug/L	97
61) Isopropylbenzene	10.460	105	26720	2.254	ug/L	99
62) 1,3,5-Trimethylbenzene	11.065	105	21709	2.226	ug/L	97
63) 1,2,4-Trimethylbenzene	11.447	105	21018	2.258	ug/L	99
64) 1,3-Dichlorobenzene	11.724	146	14226	2.676	ug/L	97
65) 1,4-Dichlorobenzene	11.814	146	16568	3.043	ug/L	96
67) 1,2-Dichlorobenzene	12.187	146	13498	2.619	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.971	75	1771	2.091	ug/L	96
69) 1,3,5-Trichlorobenzene	13.200	180	9534	2.654	ug/L	97
70) 1,2,4-trichlorobenzene	13.817	180	9491	3.168	ug/L	93
71) Naphthalene	14.068	128	32697	4.102	ug/L	96
72) 1,2,3-Trichlorobenzene	14.309	180	9494	3.344	ug/L	98

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

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