

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082525\
 Data File : VV039035.D
 Acq On : 25 Aug 2025 16:15
 Operator : SY/MD
 Sample : Q2893-07
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2025

Quant Time: Aug 26 03:49:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082525W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 26 03:46:33 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025
 Supervised By :Semsettin Yesilyurt 08/27/2025

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

Internal Standards						
1) Pentafluorobenzene	4.600	168	371444	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	821748	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	759807	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.175	152	372558	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.941	65	350444	65.413	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 130.820%#			
35) Dibromofluoromethane	4.503	113	217449	36.744	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 73.480%#			
50) Toluene-d8	7.236	98	1000514	47.749	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 95.500%			
62) 4-Bromofluorobenzene	10.001	95	347109	45.210	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 90.420%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.121	85	15544	3.125	ug/l	98
3) Chloromethane	1.230	50	16712	3.153	ug/l	99
4) Vinyl Chloride	1.298	62	21903	3.543	ug/l	95
5) Bromomethane	1.497	94	12631	4.067	ug/l	92
6) Chloroethane	1.558	64	13630	3.640	ug/l	95
7) Trichlorofluoromethane	1.725	101	28843	3.241	ug/l	99
8) Diethyl Ether	1.925	74	10252	3.037	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.082	101	17034	3.178	ug/l	96
10) Methyl Iodide	2.201	142	13389	3.398	ug/l	99
11) Tert butyl alcohol	2.571	59	16804	17.473	ug/l #	94
12) 1,1-Dichloroethene	2.082	96	16224	3.161	ug/l	97
13) Acrolein	2.011	56	298	0.686	ug/l #	39
14) Allyl chloride	2.362	41	24624	3.048	ug/l	97
15) Acrylonitrile	2.690	53	44901	15.655	ug/l	98
16) Acetone	2.124	43	49075	14.503	ug/l	99
17) Carbon Disulfide	2.253	76	46846	3.288	ug/l	98
18) Methyl Acetate	2.394	43	18852	2.806	ug/l	95
19) Methyl tert-butyl Ether	2.712	73	49277	3.258	ug/l	97
20) Methylene Chloride	2.458	84	21373	3.868	ug/l	91
21) trans-1,2-Dichloroethene	2.709	96	16437	3.195	ug/l	85
22) Diisopropyl ether	3.217	45	43485	2.958	ug/l #	12
23) Vinyl Acetate	3.207	43	177386	14.556	ug/l	96
24) 1,1-Dichloroethane	3.127	63	33383	3.625	ug/l	96
25) 2-Butanone	3.908	43	45610m	12.309	ug/l	
26) 2,2-Dichloropropane	3.822	77	23087	2.916	ug/l	78
27) cis-1,2-Dichloroethene	3.841	96	15868	2.783	ug/l	89
28) Bromochloromethane	4.172	49	5830	2.338	ug/l #	11
29) Tetrahydrofuran	4.252	42	21703m	9.264	ug/l	
30) Chloroform	4.294	83	21507	2.245	ug/l	91
31) Cyclohexane	4.587	56	20932	2.570	ug/l #	73
32) 1,1,1-Trichloroethane	4.519	97	21689	2.572	ug/l	96
36) 1,1-Dichloropropene	4.760	75	18446	2.319	ug/l	95
37) Ethyl Acetate	4.018	43	19008m	2.036	ug/l	
38) Carbon Tetrachloride	4.741	117	24895	2.614	ug/l	93
39) Methylcyclohexane	6.050	83	23250	2.277	ug/l	90
40) Benzene	5.024	78	62101	2.443	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.240	41	4303m	1.437	ug/l	
42) 1,2-Dichloroethane	5.066	62	21551	2.432	ug/l	77
43) Isopropyl Acetate	5.227	43	31417m	2.365	ug/l	
44) Trichloroethene	5.850	130	16078	2.519	ug/l	84
45) 1,2-Dichloropropane	6.104	63	13159	2.036	ug/l #	89
46) Dibromomethane	6.249	93	11948m	2.438	ug/l	
47) Bromodichloromethane	6.436	83	24488	2.425	ug/l #	98
48) Methyl methacrylate	6.333	41	17737m	2.736	ug/l	
49) 1,4-Dioxane	6.330	88	4892	44.628	ug/l #	71
51) 4-Methyl-2-Pentanone	7.156	43	101048m	10.816	ug/l	
52) Toluene	7.320	92	41145	2.538	ug/l	98
53) t-1,3-Dichloropropene	7.596	75	20993	2.166	ug/l	94
54) cis-1,3-Dichloropropene	6.966	75	24215	2.325	ug/l	96
55) 1,1,2-Trichloroethane	7.773	97	16989	2.512	ug/l	93
56) Ethyl methacrylate	7.738	69	19581m	2.183	ug/l	
57) 1,3-Dichloropropane	7.947	76	26353	2.414	ug/l	99
58) 2-Chloroethyl Vinyl ether	6.828	63	35099m	7.811	ug/l	
59) 2-Hexanone	8.079	43	69601m	10.040	ug/l	
60) Dibromochloromethane	8.175	129	19753	2.525	ug/l	98
61) 1,2-Dibromoethane	8.284	107	16457	2.358	ug/l	96
64) Tetrachloroethene	7.902	164	13166	2.438	ug/l	95
65) Chlorobenzene	8.805	112	45555	2.506	ug/l	97
66) 1,1,1,2-Tetrachloroethane	8.902	131	16142	2.543	ug/l	95
67) Ethyl Benzene	8.944	91	64755	2.251	ug/l	99
68) m/p-Xylenes	9.069	106	46485	4.203	ug/l	98
69) o-Xylene	9.474	106	21960	2.169	ug/l	98
70) Styrene	9.497	104	37481	2.101	ug/l	94
71) Bromoform	9.664	173	13326	2.596	ug/l #	98
73) Isopropylbenzene	9.860	105	60739	2.326	ug/l	99
74) N-amyl acetate	9.738	43	24202m	2.255	ug/l	
75) 1,1,2,2-Tetrachloroethane	10.172	83	27692	2.692	ug/l	99
76) 1,2,3-Trichloropropane	10.204	75	20095m	2.748	ug/l	
77) Bromobenzene	10.149	156	18280	2.826	ug/l	93
78) n-propylbenzene	10.281	91	73202	2.375	ug/l	98
79) 2-Chlorotoluene	10.352	91	45598	2.401	ug/l	98
80) 1,3,5-Trimethylbenzene	10.468	105	48422	2.260	ug/l	98
81) trans-1,4-Dichloro-2-b...	9.940	75	6630	1.994	ug/l #	85
82) 4-Chlorotoluene	10.471	91	47699	2.207	ug/l	94
83) tert-Butylbenzene	10.792	119	50265	2.306	ug/l	98
84) 1,2,4-Trimethylbenzene	10.844	105	44765	2.135	ug/l	99
85) sec-Butylbenzene	11.014	105	62611	2.184	ug/l	98
86) p-Isopropyltoluene	11.172	119	53759	2.249	ug/l	96
87) 1,3-Dichlorobenzene	11.114	146	32574	2.519	ug/l	99
88) 1,4-Dichlorobenzene	11.201	146	35086	2.518	ug/l	84
89) n-Butylbenzene	11.587	91	48166	2.089	ug/l	97
90) Hexachloroethane	11.821	117	13632	2.553	ug/l	100
91) 1,2-Dichlorobenzene	11.574	146	32885	2.622	ug/l	93
92) 1,2-Dibromo-3-Chloropr...	12.361	75	5756	2.576	ug/l	85
93) 1,2,4-Trichlorobenzene	13.191	180	16946	2.332	ug/l	99
94) Hexachlorobutadiene	13.368	225	9347	2.751	ug/l	94
95) Naphthalene	13.432	128	49638	1.969	ug/l	98
96) 1,2,3-Trichlorobenzene	13.670	180	16625	2.258	ug/l	97

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

