

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV070325\
 Data File : VV038858.D
 Acq On : 03 Jul 2025 13:52
 Operator : SY/MD
 Sample : MDL01
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/07/2025
 Supervised By :Semsettin Yesilyurt 07/07/2025

Quant Time: Jul 04 04:06:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V070225W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 04 04:06:04 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	4.596	168	448227	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	777387	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	714315	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	348702	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.940	65	275776	54.898	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 109.800%			
35) Dibromofluoromethane	4.500	113	244061	49.564	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 99.120%			
50) Toluene-d8	7.236	98	701101	44.007	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 88.020%#			
62) 4-Bromofluorobenzene	10.001	95	263847	40.992	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 81.980%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.117	85	2565	0.603	ug/l	94
3) Chloromethane	1.230	50	3954	0.757	ug/l	98
4) Vinyl Chloride	1.297	62	3902	0.804	ug/l #	78
5) Bromomethane	1.500	94	3301	1.114	ug/l	100
6) Chloroethane	1.564	64	2073	0.637	ug/l #	73
7) Trichlorofluoromethane	1.728	101	5367	0.625	ug/l	98
8) Diethyl Ether	1.921	74	1935	0.647	ug/l	80
9) 1,1,2-Trichlorotrifluo...	2.082	101	3519	0.725	ug/l	98
10) Methyl Iodide	2.198	142	2400	0.389	ug/l	93
11) Tert butyl alcohol	2.568	59	1663m	2.536	ug/l	
12) 1,1-Dichloroethene	2.085	96	3666	0.794	ug/l	92
13) Acrolein	2.018	56	629	3.842	ug/l	94
14) Allyl chloride	2.365	41	4043	0.651	ug/l #	84
15) Acrylonitrile	2.722	53	6328	2.759	ug/l #	47
16) Acetone	2.127	43	6333	3.783	ug/l	91
17) Carbon Disulfide	2.252	76	8712	0.815	ug/l	96
18) Methyl Acetate	2.404	43	3315m	0.581	ug/l	
19) Methyl tert-butyl Ether	2.715	73	7872	0.552	ug/l	99
20) Methylene Chloride	2.461	84	4557	0.824	ug/l #	84
21) trans-1,2-Dichloroethene	2.715	96	3072	0.665	ug/l #	61
22) Diisopropyl ether	3.217	45	6796	0.534	ug/l #	19
23) Vinyl Acetate	3.252	43	22577m	2.460	ug/l	
24) 1,1-Dichloroethane	3.127	63	6185	0.721	ug/l	93
25) 2-Butanone	4.014	43	6459m	2.609	ug/l	
26) 2,2-Dichloropropane	3.825	77	5083m	0.639	ug/l	
27) cis-1,2-Dichloroethene	3.847	96	2909	0.541	ug/l	94
28) Bromochloromethane	4.182	49	2212m	0.603	ug/l	
29) Tetrahydrofuran	4.284	42	5781m	3.448	ug/l	
30) Chloroform	4.291	83	6374m	0.682	ug/l	
31) Cyclohexane	4.593	56	12937	1.904	ug/l #	34
32) 1,1,1-Trichloroethane	4.510	97	5627	0.649	ug/l #	50
36) 1,1-Dichloropropene	4.773	75	4821m	0.807	ug/l	
37) Ethyl Acetate	4.014	43	3859m	0.633	ug/l	
38) Carbon Tetrachloride	4.735	117	5430m	0.690	ug/l	
39) Methylcyclohexane	6.040	83	4835m	0.619	ug/l	
40) Benzene	5.024	78	12378m	0.627	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,2-Dichloroethane	5.059	62	5217	0.747	ug/l	81
43) Isopropyl Acetate	5.246	43	5962m	0.613	ug/l	
44) Trichloroethene	5.850	130	3167m	0.615	ug/l	
45) 1,2-Dichloropropane	6.117	63	3119m	0.629	ug/l	
46) Dibromomethane	6.252	93	1998m	0.511	ug/l	
47) Bromodichloromethane	6.442	83	4383	0.530	ug/l	93
48) Methyl methacrylate	6.410	41	2426m	0.525	ug/l	
51) 4-Methyl-2-Pentanone	7.162	43	12474	2.032	ug/l	97
52) Toluene	7.329	92	7198	0.584	ug/l	97
53) t-1,3-Dichloropropene	7.612	75	4251m	0.537	ug/l	
54) cis-1,3-Dichloropropene	6.979	75	4804m	0.593	ug/l	
55) 1,1,2-Trichloroethane	7.783	97	3513	0.652	ug/l #	86
56) Ethyl methacrylate	7.773	69	3134m	0.442	ug/l	
57) 1,3-Dichloropropane	7.956	76	4449	0.524	ug/l #	65
58) 2-Chloroethyl Vinyl ether	6.857	63	7743m	2.405	ug/l	
59) 2-Hexanone	8.114	43	8558m	1.977	ug/l	
60) Dibromochloromethane	8.178	129	4006	0.590	ug/l	94
61) 1,2-Dibromoethane	8.294	107	3380m	0.606	ug/l	
64) Tetrachloroethene	7.908	164	3127	0.681	ug/l #	82
65) Chlorobenzene	8.808	112	9247	0.614	ug/l #	84
66) 1,1,1,2-Tetrachloroethane	8.905	131	3179	0.566	ug/l #	65
67) Ethyl Benzene	8.953	91	11979	0.508	ug/l	90
68) m/p-Xylenes	9.079	106	8718m	0.965	ug/l	
69) o-Xylene	9.484	106	4064	0.471	ug/l	87
70) Styrene	9.513	104	7521m	0.499	ug/l	
71) Bromoform	9.670	173	2750	0.602	ug/l #	91
73) Isopropylbenzene	9.863	105	10694	0.523	ug/l	96
74) N-amyl acetate	9.763	43	3445m	0.481	ug/l	
75) 1,1,2,2-Tetrachloroethane	10.175	83	5065	0.683	ug/l #	90
76) 1,2,3-Trichloropropane	10.207	75	3721m	0.690	ug/l	
77) Bromobenzene	10.159	156	3754	0.711	ug/l	97
78) n-propylbenzene	10.287	91	14777	0.607	ug/l	97
79) 2-Chlorotoluene	10.361	91	7710	0.521	ug/l	96
80) 1,3,5-Trimethylbenzene	10.477	105	8732	0.499	ug/l	95
81) trans-1,4-Dichloro-2-b...	9.940	75	1195m	0.471	ug/l	
82) 4-Chlorotoluene	10.487	91	8443	0.495	ug/l	86
83) tert-Butylbenzene	10.792	119	10546	0.581	ug/l	98
84) 1,2,4-Trimethylbenzene	10.857	105	8454	0.493	ug/l	97
85) sec-Butylbenzene	11.017	105	11919	0.516	ug/l	100
86) p-Isopropyltoluene	11.175	119	10688	0.540	ug/l	92
87) 1,3-Dichlorobenzene	11.123	146	6866	0.640	ug/l	96
88) 1,4-Dichlorobenzene	11.197	146	8202m	0.725	ug/l	
89) n-Butylbenzene	11.590	91	8711	0.474	ug/l	95
90) Hexachloroethane	11.824	117	2810	0.654	ug/l	96
91) 1,2-Dichlorobenzene	11.583	146	6107	0.604	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.365	75	963m	0.613	ug/l	
93) 1,2,4-Trichlorobenzene	13.201	180	3644	0.556	ug/l	90
94) Hexachlorobutadiene	13.368	225	1997	0.631	ug/l	86
95) Naphthalene	13.448	128	11437m	0.548	ug/l	
96) 1,2,3-Trichlorobenzene	13.676	180	3714	0.549	ug/l	90

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