

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV071825\
 Data File : VV038922.D
 Acq On : 18 Jul 2025 15:22
 Operator : SY/MD
 Sample : MDL06
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL06

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/21/2025
 Supervised By :Semsettin Yesilyurt 07/21/2025

Quant Time: Jul 19 01:04:29 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V071125W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 19 01:02:29 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	4.600	168	608385	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	1094949	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	1001798	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.175	152	464346	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.941	65	404788	54.455	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 108.920%			
35) Dibromofluoromethane	4.503	113	342187	45.837	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 91.680%			
50) Toluene-d8	7.236	98	1176636	52.143	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 104.280%			
62) 4-Bromofluorobenzene	10.002	95	451258	49.642	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 99.280%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.121	85	2330	0.436	ug/l	98
3) Chloromethane	1.230	50	3194	0.553	ug/l #	86
4) Vinyl Chloride	1.298	62	3281	0.497	ug/l	90
5) Bromomethane	1.497	94	4468	0.902	ug/l	100
6) Chloroethane	1.561	64	2252	0.510	ug/l #	82
7) Trichlorofluoromethane	1.725	101	5284	0.452	ug/l	95
8) Diethyl Ether	1.918	74	1981	0.471	ug/l	88
9) 1,1,2-Trichlorotrifluo...	2.079	101	2805m	0.401	ug/l	
10) Methyl Iodide	2.201	142	3680	0.459	ug/l	94
11) Tert butyl alcohol	2.568	59	4732	2.765	ug/l #	80
12) 1,1-Dichloroethene	2.079	96	3414	0.536	ug/l #	83
13) Acrolein	2.008	56	795m	3.212	ug/l	
14) Allyl chloride	2.356	41	4581	0.451	ug/l	89
15) Acrylonitrile	2.680	53	10173	2.323	ug/l #	92
16) Acetone	2.124	43	9856	3.064	ug/l	99
17) Carbon Disulfide	2.253	76	8683	0.653	ug/l #	92
18) Methyl Acetate	2.388	43	4798	0.441	ug/l	99
19) Methyl tert-butyl Ether	2.716	73	9831	0.412	ug/l	98
20) Methylene Chloride	2.458	84	5007	0.614	ug/l	94
21) trans-1,2-Dichloroethene	2.712	96	3638	0.537	ug/l	83
22) Diisopropyl ether	3.220	45	9954m	0.491	ug/l	
23) Vinyl Acetate	3.204	43	32912m	2.070	ug/l	
24) 1,1-Dichloroethane	3.124	63	6900	0.520	ug/l #	95
25) 2-Butanone	3.937	43	11259m	2.442	ug/l	
26) 2,2-Dichloropropane	3.818	77	5190	0.446	ug/l	87
27) cis-1,2-Dichloroethene	3.831	96	4067m	0.523	ug/l	
28) Bromochloromethane	4.166	49	3300m	0.642	ug/l	
29) Tetrahydrofuran	4.278	42	8054m	2.651	ug/l	
30) Chloroform	4.285	83	6908m	0.472	ug/l	
31) Cyclohexane	4.600	56	16544	1.898	ug/l #	16
32) 1,1,1-Trichloroethane	4.513	97	5583	0.437	ug/l #	46
36) 1,1-Dichloropropene	4.761	75	3708	0.432	ug/l #	78
37) Ethyl Acetate	3.937	43	4841	0.479	ug/l #	76
38) Carbon Tetrachloride	4.738	117	5126m	0.450	ug/l	
39) Methylcyclohexane	6.050	83	5042	0.498	ug/l #	84
40) Benzene	5.021	78	12796m	0.440	ug/l	

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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V071125W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 19 01:02:29 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.249	41	1751m	0.378	ug/l	
42) 1,2-Dichloroethane	5.053	62	5964m	0.538	ug/l	
43) Isopropyl Acetate	5.233	43	8505m	0.532	ug/l	
44) Trichloroethene	5.857	130	3153	0.415	ug/l	93
45) 1,2-Dichloropropane	6.114	63	3622m	0.471	ug/l	
46) Dibromomethane	6.259	93	2719m	0.457	ug/l	
47) Bromodichloromethane	6.445	83	5032	0.399	ug/l #	94
48) Methyl methacrylate	6.416	41	3250m	0.469	ug/l	
49) 1,4-Dioxane	6.339	88	1148m	7.685	ug/l	
51) 4-Methyl-2-Pentanone	7.166	43	22905m	2.106	ug/l	
52) Toluene	7.326	92	7329	0.400	ug/l	87
53) t-1,3-Dichloropropene	7.616	75	4946m	0.433	ug/l	
54) cis-1,3-Dichloropropene	6.979	75	5016m	0.406	ug/l	
55) 1,1,2-Trichloroethane	7.780	97	3444	0.393	ug/l #	90
56) Ethyl methacrylate	7.767	69	3759m	0.361	ug/l	
57) 1,3-Dichloropropane	7.957	76	5149	0.392	ug/l #	79
58) 2-Chloroethyl Vinyl ether	6.851	63	9388m	1.495	ug/l	
59) 2-Hexanone	8.104	43	16481m	2.035	ug/l	
60) Dibromochloromethane	8.175	129	3682	0.357	ug/l	99
61) 1,2-Dibromoethane	8.288	107	3222m	0.365	ug/l	
64) Tetrachloroethene	7.905	164	2740	0.417	ug/l	93
65) Chlorobenzene	8.802	112	10012	0.457	ug/l	90
66) 1,1,1,2-Tetrachloroethane	8.902	131	3185	0.365	ug/l #	55
67) Ethyl Benzene	8.953	91	12620	0.388	ug/l	98
68) m/p-Xylenes	9.075	106	9386	0.742	ug/l	87
69) o-Xylene	9.481	106	3720	0.311	ug/l	90
70) Styrene	9.519	104	8326m	0.394	ug/l	
71) Bromoform	9.664	173	2827	0.398	ug/l #	88
73) Isopropylbenzene	9.863	105	10950	0.395	ug/l	91
74) N-amyl acetate	9.757	43	4800m	0.472	ug/l	
75) 1,1,2,2-Tetrachloroethane	10.175	83	5543m	0.477	ug/l	
76) 1,2,3-Trichloropropane	10.211	75	4319m	0.500	ug/l	
77) Bromobenzene	10.156	156	4599	0.632	ug/l	80
78) n-propylbenzene	10.288	91	14921	0.460	ug/l	98
79) 2-Chlorotoluene	10.358	91	7724	0.375	ug/l	84
80) 1,3,5-Trimethylbenzene	10.474	105	8722	0.373	ug/l	90
81) trans-1,4-Dichloro-2-b...	9.973	75	1468m	0.415	ug/l	
82) 4-Chlorotoluene	10.484	91	9395	0.408	ug/l	99
83) tert-Butylbenzene	10.792	119	9666	0.394	ug/l	99
84) 1,2,4-Trimethylbenzene	10.854	105	8116	0.353	ug/l	94
85) sec-Butylbenzene	11.018	105	12295	0.393	ug/l	97
86) p-Isopropyltoluene	11.175	119	11614	0.437	ug/l	84
87) 1,3-Dichlorobenzene	11.120	146	7654	0.515	ug/l	98
88) 1,4-Dichlorobenzene	11.201	146	9902m	0.613	ug/l	
89) n-Butylbenzene	11.593	91	11157	0.460	ug/l	91
90) Hexachloroethane	11.821	117	2848	0.450	ug/l	97
91) 1,2-Dichlorobenzene	11.580	146	6362	0.441	ug/l	91
92) 1,2-Dibromo-3-Chloropr...	12.365	75	1281m	0.488	ug/l	
93) 1,2,4-Trichlorobenzene	13.201	180	3982	0.468	ug/l	88
94) Hexachlorobutadiene	13.374	225	2450	0.559	ug/l	78
95) Naphthalene	13.445	128	11420m	0.408	ug/l	
96) 1,2,3-Trichlorobenzene	13.677	180	4093	0.464	ug/l	88

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

