

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV070225\
 Data File : VV038847.D
 Acq On : 02 Jul 2025 17:43
 Operator : SY/MD
 Sample : MDL01
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 21 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 03 04:18:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 04:16:46 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	4.603	168	466255	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	779992	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	730749	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.175	152	362253	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.944	65	259743	49.707	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery =	99.420%		
35) Dibromofluoromethane	4.503	113	230005	46.554	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery =	93.100%		
50) Toluene-d8	7.236	98	696549	43.575	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery =	87.160%#		
62) 4-Bromofluorobenzene	10.001	95	264080	40.891	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery =	81.780%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.121	85	7993	1.806	ug/l	99
3) Chloromethane	1.230	50	11396	2.098	ug/l	97
4) Vinyl Chloride	1.298	62	9671	1.915	ug/l	93
5) Bromomethane	1.497	94	8172	2.652	ug/l	91
6) Chloroethane	1.561	64	6313	1.865	ug/l	98
7) Trichlorofluoromethane	1.728	101	17636	1.974	ug/l	89
8) Diethyl Ether	1.921	74	5519	1.775	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.082	101	9739	1.928	ug/l	96
10) Methyl Iodide	2.198	142	7956	1.241	ug/l	95
11) Tert butyl alcohol	2.574	59	5633	8.259	ug/l	100
12) 1,1-Dichloroethene	2.082	96	9112	1.898	ug/l	93
13) Acrolein	2.015	56	1633	9.588	ug/l #	79
14) Allyl chloride	2.362	41	11571	1.792	ug/l	98
15) Acrylonitrile	2.696	53	21693	9.092	ug/l	89
16) Acetone	2.127	43	22154	12.722	ug/l	98
17) Carbon Disulfide	2.256	76	22088	1.986	ug/l	95
18) Methyl Acetate	2.397	43	10565m	1.779	ug/l	
19) Methyl tert-butyl Ether	2.709	73	25292	1.704	ug/l	94
20) Methylene Chloride	2.462	84	11582	2.013	ug/l	96
21) trans-1,2-Dichloroethene	2.716	96	8835	1.840	ug/l	93
22) Diisopropyl ether	3.214	45	21434	1.619	ug/l #	68
23) Vinyl Acetate	3.217	43	65588	6.870	ug/l	96
24) 1,1-Dichloroethane	3.127	63	15976	1.790	ug/l	96
25) 2-Butanone	3.934	43	19426m	7.544	ug/l	
26) 2,2-Dichloropropane	3.815	77	14548	1.759	ug/l	97
27) cis-1,2-Dichloroethene	3.854	96	10171m	1.818	ug/l	
28) Bromochloromethane	4.162	49	6149	1.612	ug/l #	91
29) Tetrahydrofuran	4.262	42	15432m	8.848	ug/l	
30) Chloroform	4.304	83	18505m	1.903	ug/l	
31) Cyclohexane	4.597	56	20446	2.893	ug/l #	50
32) 1,1,1-Trichloroethane	4.519	97	16833	1.865	ug/l	96
36) 1,1-Dichloropropene	4.761	75	13207m	2.203	ug/l	
37) Ethyl Acetate	3.934	43	10249m	1.675	ug/l	
38) Carbon Tetrachloride	4.744	117	13346	1.691	ug/l	94
39) Methylcyclohexane	6.056	83	14672	1.872	ug/l	88
40) Benzene	5.027	78	32078	1.620	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.220	41	1137m	0.433	ug/l	
42) 1,2-Dichloroethane	5.063	62	13927	1.987	ug/l	79
43) Isopropyl Acetate	5.233	43	16460m	1.687	ug/l	
44) Trichloroethene	5.851	130	9539	1.846	ug/l	94
45) 1,2-Dichloropropane	6.111	63	9036m	1.817	ug/l	
46) Dibromomethane	6.249	93	6604	1.684	ug/l	95
47) Bromodichloromethane	6.439	83	14479	1.744	ug/l #	96
48) Methyl methacrylate	6.346	41	8435m	1.818	ug/l	
49) 1,4-Dioxane	6.326	88	2299m	35.741	ug/l	
51) 4-Methyl-2-Pentanone	7.159	43	50821m	8.252	ug/l	
52) Toluene	7.323	92	21865	1.768	ug/l	95
53) t-1,3-Dichloropropene	7.600	75	13740m	1.729	ug/l	
54) cis-1,3-Dichloropropene	6.969	75	13974	1.720	ug/l	98
55) 1,1,2-Trichloroethane	7.773	97	10099	1.867	ug/l	95
56) Ethyl methacrylate	7.741	69	9708	1.364	ug/l #	93
57) 1,3-Dichloropropane	7.947	76	14894	1.748	ug/l	95
58) 2-Chloroethyl Vinyl ether	6.834	63	22138m	6.852	ug/l	
59) 2-Hexanone	8.085	43	30951m	7.125	ug/l	
60) Dibromochloromethane	8.175	129	11207	1.646	ug/l	93
61) 1,2-Dibromoethane	8.288	107	10594	1.893	ug/l	92
64) Tetrachloroethene	7.902	164	9062	1.928	ug/l	86
65) Chlorobenzene	8.809	112	26240	1.704	ug/l	100
66) 1,1,1,2-Tetrachloroethane	8.902	131	9673	1.682	ug/l #	66
67) Ethyl Benzene	8.947	91	37747	1.564	ug/l	100
68) m/p-Xylenes	9.069	106	26964	2.918	ug/l	98
69) o-Xylene	9.477	106	13046	1.478	ug/l	96
70) Styrene	9.503	104	20611	1.337	ug/l	96
71) Bromoform	9.667	173	7984	1.709	ug/l #	99
73) Isopropylbenzene	9.863	105	35490	1.669	ug/l	99
74) N-amyl acetate	9.744	43	9745	1.310	ug/l #	78
75) 1,1,2,2-Tetrachloroethane	10.172	83	15233	1.976	ug/l	97
76) 1,2,3-Trichloropropane	10.207	75	9756	1.741	ug/l	80
77) Bromobenzene	10.149	156	10022	1.827	ug/l	98
78) n-propylbenzene	10.284	91	40215	1.590	ug/l	97
79) 2-Chlorotoluene	10.355	91	26967	1.755	ug/l	100
80) 1,3,5-Trimethylbenzene	10.468	105	30003	1.651	ug/l	97
81) trans-1,4-Dichloro-2-b...	9.937	75	4064	1.543	ug/l	91
82) 4-Chlorotoluene	10.474	91	30376	1.715	ug/l	99
83) tert-Butylbenzene	10.792	119	32525	1.725	ug/l	94
84) 1,2,4-Trimethylbenzene	10.847	105	26854	1.507	ug/l	98
85) sec-Butylbenzene	11.014	105	38098	1.587	ug/l	99
86) p-Isopropyltoluene	11.169	119	31120	1.512	ug/l	91
87) 1,3-Dichlorobenzene	11.117	146	20457	1.835	ug/l	97
88) 1,4-Dichlorobenzene	11.201	146	23409m	1.993	ug/l	
89) n-Butylbenzene	11.587	91	30144	1.581	ug/l	98
90) Hexachloroethane	11.818	117	8072	1.807	ug/l	98
91) 1,2-Dichlorobenzene	11.577	146	19328	1.839	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	12.358	75	3090	1.894	ug/l	94
93) 1,2,4-Trichlorobenzene	13.191	180	11079	1.626	ug/l	94
94) Hexachlorobutadiene	13.371	225	5444	1.656	ug/l	96
95) Naphthalene	13.435	128	31088m	1.435	ug/l	
96) 1,2,3-Trichlorobenzene	13.673	180	11032	1.569	ug/l	94

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

