

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV070325\
 Data File : VV038860.D
 Acq On : 03 Jul 2025 14:39
 Operator : SY/MD
 Sample : MDL01
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 11 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 07 08:23:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V070225W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 07 08:22:59 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	4.600	168	458657	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	769195	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	721547	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.175	152	362238	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.940	65	281338	54.731	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 109.460%			
35) Dibromofluoromethane	4.503	113	251574	51.634	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 103.260%			
50) Toluene-d8	7.236	98	752130	47.713	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 95.420%			
62) 4-Bromofluorobenzene	10.001	95	320792	50.369	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 100.740%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.117	85	12692	2.915	ug/l	99
3) Chloromethane	1.227	50	15071	2.821	ug/l	100
4) Vinyl Chloride	1.294	62	15278	3.075	ug/l	97
5) Bromomethane	1.494	94	13285	4.382	ug/l	97
6) Chloroethane	1.558	64	10321	3.099	ug/l	100
7) Trichlorofluoromethane	1.725	101	24830	2.825	ug/l	97
8) Diethyl Ether	1.918	74	8809	2.880	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.079	101	15361	3.091	ug/l	98
10) Methyl Iodide	2.198	142	12548	1.990	ug/l #	93
11) Tert butyl alcohol	2.571	59	10676	15.911	ug/l	97
12) 1,1-Dichloroethene	2.082	96	14732	3.119	ug/l	96
13) Acrolein	2.015	56	3082	18.396	ug/l #	73
14) Allyl chloride	2.362	41	17757	2.795	ug/l	93
15) Acrylonitrile	2.690	53	31471	13.409	ug/l	96
16) Acetone	2.124	43	26313	15.361	ug/l	98
17) Carbon Disulfide	2.252	76	35136	3.211	ug/l	100
18) Methyl Acetate	2.394	43	12920	2.212	ug/l	96
19) Methyl tert-butyl Ether	2.709	73	39222	2.686	ug/l	98
20) Methylene Chloride	2.461	84	17150	3.029	ug/l	95
21) trans-1,2-Dichloroethene	2.712	96	14212	3.009	ug/l	96
22) Diisopropyl ether	3.217	45	32682	2.510	ug/l #	51
23) Vinyl Acetate	3.207	43	110859	11.805	ug/l	99
24) 1,1-Dichloroethane	3.124	63	28048	3.195	ug/l	97
25) 2-Butanone	3.921	43	28769m	11.357	ug/l	
26) 2,2-Dichloropropane	3.818	77	24830	3.052	ug/l #	70
27) cis-1,2-Dichloroethene	3.844	96	14461	2.627	ug/l	85
28) Bromochloromethane	4.166	49	11576	3.085	ug/l	96
29) Tetrahydrofuran	4.256	42	18729	10.917	ug/l	94
30) Chloroform	4.288	83	29390	3.073	ug/l	98
31) Cyclohexane	4.590	56	27109	3.899	ug/l #	60
32) 1,1,1-Trichloroethane	4.513	97	26776	3.016	ug/l #	85
36) 1,1-Dichloropropene	4.757	75	14886	2.518	ug/l #	80
37) Ethyl Acetate	3.921	43	28729m	4.762	ug/l	
38) Carbon Tetrachloride	4.738	117	21970	2.823	ug/l	97
39) Methylcyclohexane	6.047	83	20964	2.712	ug/l	95
40) Benzene	5.021	78	57699	2.956	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.233	41	4270m	1.648	ug/l	
42) 1,2-Dichloroethane	5.053	62	20116m	2.910	ug/l	
43) Isopropyl Acetate	5.217	43	19154	1.990	ug/l	95
44) Trichloroethene	5.850	130	14565	2.859	ug/l	93
45) 1,2-Dichloropropane	6.101	63	12404	2.530	ug/l #	86
46) Dibromomethane	6.243	93	10546	2.727	ug/l	96
47) Bromodichloromethane	6.439	83	22424	2.739	ug/l	95
48) Methyl methacrylate	6.329	41	11477m	2.508	ug/l	
49) 1,4-Dioxane	6.323	88	3121	49.201	ug/l	90
51) 4-Methyl-2-Pentanone	7.156	43	73394	12.085	ug/l	95
52) Toluene	7.320	92	33944	2.783	ug/l	96
53) t-1,3-Dichloropropene	7.593	75	20017	2.554	ug/l	97
54) cis-1,3-Dichloropropene	6.966	75	21615	2.697	ug/l	96
55) 1,1,2-Trichloroethane	7.773	97	14975	2.808	ug/l	95
56) Ethyl methacrylate	7.735	69	14746	2.101	ug/l #	93
57) 1,3-Dichloropropane	7.947	76	22898	2.725	ug/l	97
58) 2-Chloroethyl Vinyl ether	6.828	63	36360	11.412	ug/l	99
59) 2-Hexanone	8.079	43	45551	10.634	ug/l	86
60) Dibromochloromethane	8.172	129	19511	2.905	ug/l	95
61) 1,2-Dibromoethane	8.288	107	14266	2.585	ug/l	95
64) Tetrachloroethene	7.905	164	14011	3.020	ug/l	95
65) Chlorobenzene	8.808	112	43441	2.857	ug/l	90
66) 1,1,1,2-Tetrachloroethane	8.902	131	15873	2.795	ug/l	97
67) Ethyl Benzene	8.944	91	61967	2.601	ug/l	95
68) m/p-Xylenes	9.069	106	46504	5.096	ug/l	91
69) o-Xylene	9.474	106	21924	2.515	ug/l	95
70) Styrene	9.500	104	34635	2.275	ug/l	97
71) Bromoform	9.664	173	11667	2.529	ug/l #	94
73) Isopropylbenzene	9.860	105	56232	2.645	ug/l	98
74) N-amyl acetate	9.741	43	17897	2.405	ug/l	91
75) 1,1,2,2-Tetrachloroethane	10.172	83	24164	3.135	ug/l	97
76) 1,2,3-Trichloropropane	10.204	75	15133	2.700	ug/l	99
77) Bromobenzene	10.149	156	17616	3.212	ug/l	99
78) n-propylbenzene	10.281	91	67772	2.679	ug/l	99
79) 2-Chlorotoluene	10.355	91	45431	2.957	ug/l	96
80) 1,3,5-Trimethylbenzene	10.468	105	49437	2.720	ug/l	97
81) trans-1,4-Dichloro-2-b...	9.937	75	6522	2.477	ug/l	90
82) 4-Chlorotoluene	10.471	91	47420	2.677	ug/l	98
83) tert-Butylbenzene	10.789	119	50277	2.667	ug/l	99
84) 1,2,4-Trimethylbenzene	10.844	105	43971	2.468	ug/l	96
85) sec-Butylbenzene	11.014	105	60408	2.517	ug/l	98
86) p-Isopropyltoluene	11.169	119	54465	2.647	ug/l	98
87) 1,3-Dichlorobenzene	11.114	146	29652	2.660	ug/l	95
88) 1,4-Dichlorobenzene	11.197	146	33474	2.849	ug/l	84
89) n-Butylbenzene	11.583	91	50639	2.655	ug/l	95
90) Hexachloroethane	11.821	117	13080	2.928	ug/l	95
91) 1,2-Dichlorobenzene	11.574	146	30116	2.866	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.355	75	4421	2.709	ug/l	96
93) 1,2,4-Trichlorobenzene	13.191	180	16331	2.397	ug/l	97
94) Hexachlorobutadiene	13.371	225	9941	3.024	ug/l	93
95) Naphthalene	13.432	128	45874	2.117	ug/l	98
96) 1,2,3-Trichlorobenzene	13.673	180	17956	2.554	ug/l	95

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

