

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV071625\
 Data File : VV038910.D
 Acq On : 16 Jul 2025 16:03
 Operator : SY/MD
 Sample : MDL03
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL03

Quant Time: Jul 17 06:19:28 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V071125W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 17 06:08:37 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025
 Supervised By :Semsettin Yesilyurt 07/17/2025

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

Internal Standards						
1) Pentafluorobenzene	4.600	168	506330	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	893563	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	808974	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.175	152	345301	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.944	65	339094	54.812	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 109.620%			
35) Dibromofluoromethane	4.500	113	284446	46.689	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 93.380%			
50) Toluene-d8	7.236	98	949516	51.561	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 103.120%			
62) 4-Bromofluorobenzene	10.001	95	339464	45.760	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 91.520%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.121	85	2133	0.479	ug/l	98
3) Chloromethane	1.230	50	2819	0.587	ug/l	100
4) Vinyl Chloride	1.294	62	2787	0.507	ug/l	90
5) Bromomethane	1.494	94	3944	0.957	ug/l	95
6) Chloroethane	1.558	64	2186	0.595	ug/l #	83
7) Trichlorofluoromethane	1.722	101	4398	0.452	ug/l	96
8) Diethyl Ether	1.925	74	1751	0.500	ug/l	78
9) 1,1,2-Trichlorotrifluo...	2.079	101	2596	0.446	ug/l	97
10) Methyl Iodide	2.208	142	3597m	0.539	ug/l	
11) Tert butyl alcohol	2.584	59	3992	2.803	ug/l #	91
12) 1,1-Dichloroethene	2.082	96	3073	0.580	ug/l	92
13) Acrolein	2.018	56	698	3.389	ug/l	97
14) Allyl chloride	2.362	41	5292	0.627	ug/l #	76
15) Acrylonitrile	2.680	53	8831	2.423	ug/l	98
16) Acetone	2.127	43	8226	3.073	ug/l	94
17) Carbon Disulfide	2.256	76	7708	0.697	ug/l #	76
18) Methyl Acetate	2.388	43	4400	0.486	ug/l	96
19) Methyl tert-butyl Ether	2.716	73	9512	0.479	ug/l	94
20) Methylene Chloride	2.455	84	4242	0.625	ug/l #	91
21) trans-1,2-Dichloroethene	2.712	96	3488m	0.618	ug/l	
22) Diisopropyl ether	3.220	45	6764	0.401	ug/l #	62
23) Vinyl Acetate	3.204	43	23245	1.757	ug/l	94
24) 1,1-Dichloroethane	3.121	63	5195	0.470	ug/l #	79
25) 2-Butanone	3.950	43	14728m	3.838	ug/l	
26) 2,2-Dichloropropane	3.818	77	4038m	0.417	ug/l	
27) cis-1,2-Dichloroethene	3.838	96	3343m	0.516	ug/l	
28) Bromochloromethane	4.169	49	3263	0.763	ug/l	99
29) Tetrahydrofuran	4.265	42	4700	1.859	ug/l #	86
30) Chloroform	4.291	83	6189	0.508	ug/l	95
31) Cyclohexane	4.593	56	13216	1.822	ug/l #	9
32) 1,1,1-Trichloroethane	4.519	97	5033	0.473	ug/l #	38
36) 1,1-Dichloropropene	4.754	75	3923m	0.560	ug/l	
37) Ethyl Acetate	3.979	43	3578m	0.434	ug/l	
38) Carbon Tetrachloride	4.732	117	3854m	0.414	ug/l	
39) Methylcyclohexane	6.047	83	4355	0.527	ug/l #	85
40) Benzene	5.034	78	10474	0.441	ug/l	99

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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V071125W.M
 Quant Title : SW846 8260
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.240	41	1421m	0.376	ug/l	
42) 1,2-Dichloroethane	5.060	62	5054m	0.559	ug/l	
43) Isopropyl Acetate	5.243	43	7834m	0.601	ug/l	
44) Trichloroethene	5.857	130	2945m	0.475	ug/l	
45) 1,2-Dichloropropane	6.111	63	3113m	0.497	ug/l	
46) Dibromomethane	6.252	93	2130m	0.439	ug/l	
47) Bromodichloromethane	6.442	83	4178	0.406	ug/l	87
48) Methyl methacrylate	6.407	41	2702m	0.478	ug/l	
49) 1,4-Dioxane	6.355	88	1268m	10.401	ug/l	
51) 4-Methyl-2-Pentanone	7.166	43	12645	1.424	ug/l	96
52) Toluene	7.330	92	5475	0.366	ug/l #	62
53) t-1,3-Dichloropropene	7.609	75	3880m	0.416	ug/l	
54) cis-1,3-Dichloropropene	6.979	75	3517	0.349	ug/l	89
55) 1,1,2-Trichloroethane	7.786	97	2829m	0.396	ug/l	
56) Ethyl methacrylate	7.767	69	3426m	0.403	ug/l	
57) 1,3-Dichloropropane	7.963	76	4028	0.376	ug/l #	71
58) 2-Chloroethyl Vinyl ether	6.863	63	7750m	1.512	ug/l	
59) 2-Hexanone	8.117	43	9570m	1.448	ug/l	
60) Dibromochloromethane	8.182	129	3142	0.373	ug/l	92
61) 1,2-Dibromoethane	8.297	107	2450	0.340	ug/l	97
64) Tetrachloroethene	7.908	164	2664	0.502	ug/l	86
65) Chlorobenzene	8.812	112	8527	0.482	ug/l	89
66) 1,1,1,2-Tetrachloroethane	8.905	131	3040	0.431	ug/l #	64
67) Ethyl Benzene	8.953	91	9144	0.348	ug/l	92
68) m/p-Xylenes	9.079	106	6998	0.685	ug/l	99
69) o-Xylene	9.481	106	3476	0.360	ug/l	92
70) Styrene	9.519	104	5996m	0.352	ug/l	
71) Bromoform	9.664	173	2365	0.413	ug/l #	83
73) Isopropylbenzene	9.866	105	9450	0.458	ug/l	93
74) N-amyl acetate	9.757	43	3537m	0.468	ug/l	
75) 1,1,2,2-Tetrachloroethane	10.175	83	4620	0.535	ug/l	96
76) 1,2,3-Trichloropropane	10.210	75	3909m	0.609	ug/l	
77) Bromobenzene	10.162	156	2754	0.509	ug/l	92
78) n-propylbenzene	10.291	91	11530	0.478	ug/l	99
79) 2-Chlorotoluene	10.358	91	7874m	0.513	ug/l	
80) 1,3,5-Trimethylbenzene	10.474	105	7886	0.453	ug/l	99
81) trans-1,4-Dichloro-2-b...	9.944	75	926m	0.352	ug/l	
82) 4-Chlorotoluene	10.481	91	7309	0.426	ug/l	95
83) tert-Butylbenzene	10.792	119	8331	0.457	ug/l	95
84) 1,2,4-Trimethylbenzene	10.850	105	7540	0.440	ug/l	99
85) sec-Butylbenzene	11.017	105	10125	0.435	ug/l	98
86) p-Isopropyltoluene	11.175	119	9034	0.457	ug/l #	83
87) 1,3-Dichlorobenzene	11.120	146	5576	0.505	ug/l	88
88) 1,4-Dichlorobenzene	11.198	146	7669m	0.638	ug/l	
89) n-Butylbenzene	11.596	91	7064	0.391	ug/l	99
90) Hexachloroethane	11.825	117	2278	0.485	ug/l	95
91) 1,2-Dichlorobenzene	11.580	146	4997	0.466	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.374	75	1012m	0.518	ug/l	
93) 1,2,4-Trichlorobenzene	13.204	180	3156	0.499	ug/l	94
94) Hexachlorobutadiene	13.368	225	1526	0.468	ug/l	79
95) Naphthalene	13.451	128	8567	0.412	ug/l #	95
96) 1,2,3-Trichlorobenzene	13.680	180	3284	0.501	ug/l	86

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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

