

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV070225\
 Data File : VV038845.D
 Acq On : 02 Jul 2025 17:00
 Operator : SY/MD
 Sample : MDL01
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 19 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 04:17:14 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	312805	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.535	114	528550	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	496956	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.175	152	233515	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.944	65	149266	42.578	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery =	85.160%		
35) Dibromofluoromethane	4.510	113	133863	39.984	ug/l	0.01
Spiked Amount 50.000	Range 80 - 119		Recovery =	79.960%#		
50) Toluene-d8	7.239	98	375089	34.628	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery =	69.260%#		
62) 4-Bromofluorobenzene	10.005	95	139547	31.887	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery =	63.780%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.121	85	1055	0.355	ug/l	83
3) Chloromethane	1.230	50	2257	0.619	ug/l	94
4) Vinyl Chloride	1.298	62	1388	0.410	ug/l	92
5) Bromomethane	1.500	94	1660	0.803	ug/l	83
6) Chloroethane	1.564	64	985	0.434	ug/l #	74
7) Trichlorofluoromethane	1.725	101	2503	0.418	ug/l	90
8) Diethyl Ether	1.921	74	886m	0.425	ug/l	
9) 1,1,2-Trichlorotrifluo...	2.079	101	1729	0.510	ug/l	91
10) Methyl Iodide	2.208	142	1158m	0.269	ug/l	
11) Tert butyl alcohol	2.581	59	907m	1.982	ug/l	
12) 1,1-Dichloroethene	2.089	96	1445	0.449	ug/l	93
13) Acrolein	2.011	56	502	4.393	ug/l #	66
14) Allyl chloride	2.365	41	1986	0.458	ug/l #	85
15) Acrylonitrile	2.748	53	3603m	2.251	ug/l	
16) Acetone	2.124	43	3804	3.256	ug/l #	80
17) Carbon Disulfide	2.259	76	5497	0.737	ug/l #	91
18) Methyl Acetate	2.410	43	2004m	0.503	ug/l	
19) Methyl tert-butyl Ether	2.712	73	3643	0.366	ug/l	95
20) Methylene Chloride	2.471	84	3224	0.835	ug/l #	81
21) trans-1,2-Dichloroethene	2.725	96	1511	0.469	ug/l #	78
22) Diisopropyl ether	3.227	45	2944m	0.331	ug/l	
23) Vinyl Acetate	3.320	43	10265m	1.603	ug/l	
24) 1,1-Dichloroethane	3.140	63	2421m	0.404	ug/l	
25) 2-Butanone	4.056	43	3784m	2.190	ug/l	
26) 2,2-Dichloropropane	3.838	77	2127m	0.383	ug/l	
27) cis-1,2-Dichloroethene	3.873	96	1604m	0.427	ug/l	
28) Bromochloromethane	4.198	49	929m	0.363	ug/l	
29) Tetrahydrofuran	4.310	42	2773m	2.370	ug/l	
30) Chloroform	4.301	83	3069m	0.470	ug/l	
32) 1,1,1-Trichloroethane	4.516	97	2703	0.446	ug/l #	50
36) 1,1-Dichloropropene	4.773	75	2283m	0.562	ug/l	
37) Ethyl Acetate	4.056	43	1656m	0.399	ug/l	
38) Carbon Tetrachloride	4.748	117	2076m	0.388	ug/l	
39) Methylcyclohexane	6.053	83	1953m	0.368	ug/l	
40) Benzene	5.034	78	4977m	0.371	ug/l	
42) 1,2-Dichloroethane	5.066	62	2692m	0.567	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Trichloroethene	5.863	130	1471m	0.420	ug/l	
45) 1,2-Dichloropropane	6.124	63	1393m	0.413	ug/l	
46) Dibromomethane	6.256	93	985m	0.371	ug/l	
47) Bromodichloromethane	6.449	83	2090	0.371	ug/l #	95
51) 4-Methyl-2-Pentanone	7.178	43	7800m	1.869	ug/l	
52) Toluene	7.342	92	3195m	0.381	ug/l	
53) t-1,3-Dichloropropene	7.629	75	1932m	0.359	ug/l	
54) cis-1,3-Dichloropropene	6.989	75	2481m	0.451	ug/l	
55) 1,1,2-Trichloroethane	7.802	97	1252m	0.342	ug/l	
57) 1,3-Dichloropropane	7.966	76	2048m	0.355	ug/l	
58) 2-Chloroethyl Vinyl ether	6.918	63	1864m	0.851	ug/l	
59) 2-Hexanone	8.246	43	5634m	1.914	ug/l	
60) Dibromochloromethane	8.188	129	1589	0.344	ug/l	90
61) 1,2-Dibromoethane	8.301	107	1548m	0.408	ug/l	
64) Tetrachloroethene	7.908	164	1326m	0.415	ug/l	
65) Chlorobenzene	8.821	112	3840	0.367	ug/l #	84
66) 1,1,1,2-Tetrachloroethane	8.908	131	1359	0.347	ug/l #	62
67) Ethyl Benzene	8.963	91	4659m	0.284	ug/l	
68) m/p-Xylenes	9.095	106	3578m	0.569	ug/l	
69) o-Xylene	9.487	106	1684	0.280	ug/l	80
70) Styrene	9.561	104	2606m	0.249	ug/l	
71) Bromoform	9.677	173	1227	0.386	ug/l #	82
73) Isopropylbenzene	9.866	105	4603	0.336	ug/l	91
75) 1,1,2,2-Tetrachloroethane	10.175	83	1942	0.391	ug/l	91
76) 1,2,3-Trichloropropane	10.210	75	1459m	0.404	ug/l	
77) Bromobenzene	10.165	156	1542	0.436	ug/l	88
78) n-propylbenzene	10.297	91	5870	0.360	ug/l	97
79) 2-Chlorotoluene	10.362	91	3860m	0.390	ug/l	
80) 1,3,5-Trimethylbenzene	10.474	105	3777	0.322	ug/l	97
82) 4-Chlorotoluene	10.487	91	4466	0.391	ug/l	92
83) tert-Butylbenzene	10.792	119	4575	0.376	ug/l	91
84) 1,2,4-Trimethylbenzene	10.860	105	3690	0.321	ug/l	96
85) sec-Butylbenzene	11.017	105	5191	0.336	ug/l	98
86) p-Isopropyltoluene	11.175	119	4890	0.369	ug/l	89
87) 1,3-Dichlorobenzene	11.124	146	3186	0.443	ug/l	96
88) 1,4-Dichlorobenzene	11.201	146	3878m	0.512	ug/l	
89) n-Butylbenzene	11.603	91	5254m	0.427	ug/l	
90) Hexachloroethane	11.825	117	1343	0.466	ug/l	76
91) 1,2-Dichlorobenzene	11.583	146	2935m	0.433	ug/l	
92) 1,2-Dibromo-3-Chloropr...	12.378	75	342	0.325	ug/l #	35
93) 1,2,4-Trichlorobenzene	13.204	180	1946	0.443	ug/l	83
94) Hexachlorobutadiene	13.365	225	1240	0.585	ug/l	74
95) Naphthalene	13.448	128	5524m	0.395	ug/l	
96) 1,2,3-Trichlorobenzene	13.686	180	2135	0.471	ug/l	79

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

Manual Integrations

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