

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV070225\
 Data File : VV038846.D
 Acq On : 02 Jul 2025 17:21
 Operator : SY/MD
 Sample : MDL02
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL02

Manual Integrations
 APPROVED

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

Quant Time: Jul 03 04:18:07 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	359776	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.535	114	622990	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	581664	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.175	152	285971	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.944	65	174450	43.265	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery =	86.520%		
35) Dibromofluoromethane	4.510	113	155912	39.510	ug/l	0.01
Spiked Amount 50.000	Range 80 - 119		Recovery =	79.020%#		
50) Toluene-d8	7.239	98	434625	34.042	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery =	68.080%#		
62) 4-Bromofluorobenzene	10.005	95	161139	31.239	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery =	62.480%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.124	85	1034	0.303	ug/l	91
3) Chloromethane	1.230	50	2771	0.661	ug/l	100
4) Vinyl Chloride	1.298	62	1718	0.441	ug/l #	86
5) Bromomethane	1.503	94	1634	0.687	ug/l	82
6) Chloroethane	1.564	64	1094	0.419	ug/l #	84
7) Trichlorofluoromethane	1.728	101	2552	0.370	ug/l #	79
8) Diethyl Ether	1.921	74	540	0.225	ug/l #	18
9) 1,1,2-Trichlorotrifluo...	2.085	101	1394	0.358	ug/l	96
10) Methyl Iodide	2.204	142	1411	0.285	ug/l #	66
11) Tert butyl alcohol	2.600	59	878m	1.668	ug/l	
12) 1,1-Dichloroethene	2.082	96	1351	0.365	ug/l #	78
13) Acrolein	2.005	56	377	2.869	ug/l #	17
14) Allyl chloride	2.368	41	2547	0.511	ug/l #	54
15) Acrylonitrile	2.722	53	2995m	1.627	ug/l	
16) Acetone	2.127	43	4197	3.123	ug/l	99
17) Carbon Disulfide	2.259	76	4635	0.540	ug/l	100
18) Methyl Acetate	2.394	43	1791m	0.391	ug/l	
19) Methyl tert-butyl Ether	2.719	73	3718m	0.325	ug/l	
20) Methylene Chloride	2.465	84	3508	0.790	ug/l #	95
21) trans-1,2-Dichloroethene	2.712	96	1462	0.395	ug/l #	61
22) Diisopropyl ether	3.227	45	2830m	0.277	ug/l	
23) Vinyl Acetate	3.291	43	9775m	1.327	ug/l	
24) 1,1-Dichloroethane	3.130	63	2493	0.362	ug/l #	80
25) 2-Butanone	4.127	43	4376m	2.202	ug/l	
26) 2,2-Dichloropropane	3.828	77	2151m	0.337	ug/l	
27) cis-1,2-Dichloroethene	3.879	96	1376m	0.319	ug/l	
28) Bromochloromethane	4.185	49	1237m	0.420	ug/l	
29) Tetrahydrofuran	4.310	42	2686m	1.996	ug/l	
30) Chloroform	4.307	83	2687	0.358	ug/l #	81
32) 1,1,1-Trichloroethane	4.526	97	2067	0.297	ug/l #	50
36) 1,1-Dichloropropene	4.770	75	1954m	0.408	ug/l	
37) Ethyl Acetate	4.085	43	1590m	0.325	ug/l	
38) Carbon Tetrachloride	4.735	117	2621m	0.416	ug/l	
39) Methylcyclohexane	6.050	83	1905m	0.304	ug/l	
40) Benzene	5.043	78	4519	0.286	ug/l	98
42) 1,2-Dichloroethane	5.075	62	2657m	0.475	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Trichloroethene	5.857	130	1348	0.327	ug/l	52
45) 1,2-Dichloropropane	6.120	63	1446m	0.364	ug/l	
46) Dibromomethane	6.278	93	822m	0.262	ug/l	
47) Bromodichloromethane	6.448	83	1616	0.244	ug/l #	79
51) 4-Methyl-2-Pentanone	7.172	43	8310m	1.689	ug/l	
52) Toluene	7.326	92	3157m	0.320	ug/l	
53) t-1,3-Dichloropropene	7.635	75	1746m	0.275	ug/l	
54) cis-1,3-Dichloropropene	6.985	75	1729m	0.266	ug/l	
55) 1,1,2-Trichloroethane	7.799	97	1266	0.293	ug/l	94
57) 1,3-Dichloropropane	7.960	76	1688m	0.248	ug/l	
58) 2-Chloroethyl Vinyl ether	6.863	63	7038m	2.727	ug/l	
59) 2-Hexanone	8.178	43	5798m	1.671	ug/l	
60) Dibromochloromethane	8.188	129	1510	0.278	ug/l	56
61) 1,2-Dibromoethane	8.291	107	1469m	0.329	ug/l	
64) Tetrachloroethene	7.908	164	1303	0.348	ug/l #	63
65) Chlorobenzene	8.812	112	3615	0.295	ug/l	90
66) 1,1,1,2-Tetrachloroethane	8.908	131	1143	0.250	ug/l #	49
67) Ethyl Benzene	8.956	91	5102m	0.266	ug/l	
68) m/p-Xylenes	9.079	106	3884m	0.528	ug/l	
69) o-Xylene	9.484	106	2061	0.293	ug/l	78
70) Styrene	9.542	104	2690m	0.219	ug/l	
71) Bromoform	9.680	173	1164	0.313	ug/l #	89
73) Isopropylbenzene	9.870	105	4757	0.283	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.172	83	2239	0.368	ug/l #	60
76) 1,2,3-Trichloropropane	10.226	75	1744m	0.394	ug/l	
77) Bromobenzene	10.165	156	1628	0.376	ug/l	83
78) n-propylbenzene	10.300	91	5214	0.261	ug/l	96
79) 2-Chlorotoluene	10.361	91	3871	0.319	ug/l	86
80) 1,3,5-Trimethylbenzene	10.471	105	3574	0.249	ug/l	87
81) trans-1,4-Dichloro-2-b...	9.972	75	499m	0.240	ug/l	
82) 4-Chlorotoluene	10.493	91	4249m	0.304	ug/l	
83) tert-Butylbenzene	10.796	119	3960	0.266	ug/l	93
84) 1,2,4-Trimethylbenzene	10.869	105	3522	0.250	ug/l	98
85) sec-Butylbenzene	11.017	105	5402	0.285	ug/l	94
86) p-Isopropyltoluene	11.172	119	5198	0.320	ug/l	91
87) 1,3-Dichlorobenzene	11.130	146	2906	0.330	ug/l	96
88) 1,4-Dichlorobenzene	11.201	146	3639m	0.392	ug/l	
89) n-Butylbenzene	11.599	91	4530m	0.301	ug/l	
90) Hexachloroethane	11.831	117	804	0.228	ug/l	89
91) 1,2-Dichlorobenzene	11.599	146	2683	0.323	ug/l	93
92) 1,2-Dibromo-3-Chloropr...	12.394	75	470m	0.365	ug/l	
93) 1,2,4-Trichlorobenzene	13.213	180	1762	0.328	ug/l	89
94) Hexachlorobutadiene	13.368	225	1080	0.416	ug/l	85
96) 1,2,3-Trichlorobenzene	13.683	180	1627m	0.293	ug/l	

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

