

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV070725\
 Data File : VV038875.D
 Acq On : 07 Jul 2025 17:13
 Operator : SY/MD
 Sample : MDL05
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

Quant Time: Jul 08 02:47:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V070225W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 08 02:37:09 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	4.603	168	419043	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.535	114	732929	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	684347	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.175	152	326131	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.944	65	266687	56.786	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	= 113.580%	
35) Dibromofluoromethane	4.503	113	241979	52.122	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	= 104.240%	
50) Toluene-d8	7.239	98	680285	45.291	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	= 90.580%	
62) 4-Bromofluorobenzene	10.001	95	285142	46.987	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	= 93.980%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.121	85	2040	0.513	ug/l	83
3) Chloromethane	1.230	50	3625	0.743	ug/l	99
4) Vinyl Chloride	1.298	62	2838	0.625	ug/l	98
5) Bromomethane	1.497	94	3032	1.095	ug/l	96
6) Chloroethane	1.558	64	1849	0.608	ug/l	99
7) Trichlorofluoromethane	1.728	101	4879	0.608	ug/l	93
8) Diethyl Ether	1.918	74	1487m	0.532	ug/l	
9) 1,1,2-Trichlorotrifluo...	2.079	101	2937	0.647	ug/l	94
10) Methyl Iodide	2.201	142	2732	0.474	ug/l #	88
11) Tert butyl alcohol	2.577	59	1795	2.928	ug/l #	82
12) 1,1-Dichloroethene	2.085	96	2666	0.618	ug/l	83
13) Acrolein	2.008	56	493m	3.221	ug/l	
14) Allyl chloride	2.365	41	3400m	0.586	ug/l	
15) Acrylonitrile	2.712	53	5697m	2.657	ug/l	
16) Acetone	2.127	43	6391	4.084	ug/l	88
17) Carbon Disulfide	2.252	76	7018	0.702	ug/l	98
18) Methyl Acetate	2.404	43	3326m	0.623	ug/l	
19) Methyl tert-butyl Ether	2.712	73	6486	0.486	ug/l	99
20) Methylene Chloride	2.465	84	5203	1.006	ug/l	91
21) trans-1,2-Dichloroethene	2.715	96	2582	0.598	ug/l	93
22) Diisopropyl ether	3.227	45	5403	0.454	ug/l #	30
23) Vinyl Acetate	3.249	43	13464m	1.569	ug/l	
24) 1,1-Dichloroethane	3.137	63	5325	0.664	ug/l	94
26) 2,2-Dichloropropane	3.822	77	4069	0.547	ug/l	82
27) cis-1,2-Dichloroethene	3.863	96	2476m	0.492	ug/l	
28) Bromochloromethane	4.175	49	2915m	0.850	ug/l	
29) Tetrahydrofuran	4.301	42	3946m	2.517	ug/l	
30) Chloroform	4.301	83	4964	0.568	ug/l	93
31) Cyclohexane	4.593	56	11576	1.822	ug/l #	36
32) 1,1,1-Trichloroethane	4.510	97	4689	0.578	ug/l #	48
36) 1,1-Dichloropropene	4.773	75	3878m	0.688	ug/l	
38) Carbon Tetrachloride	4.748	117	5921m	0.799	ug/l	
39) Methylcyclohexane	6.047	83	3881	0.527	ug/l #	81
40) Benzene	5.040	78	8762	0.471	ug/l #	78
42) 1,2-Dichloroethane	5.072	62	4551m	0.691	ug/l	
44) Trichloroethene	5.863	130	2626	0.541	ug/l	79

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,2-Dichloropropane	6.111	63	2782m	0.595	ug/l	
46) Dibromomethane	6.259	93	1801m	0.489	ug/l	
47) Bromodichloromethane	6.452	83	4160	0.533	ug/l #	91
51) 4-Methyl-2-Pentanone	7.169	43	9609	1.660	ug/l	98
52) Toluene	7.320	92	7328m	0.631	ug/l	
53) t-1,3-Dichloropropene	7.616	75	3190m	0.427	ug/l	
54) cis-1,3-Dichloropropene	6.982	75	3733m	0.489	ug/l	
55) 1,1,2-Trichloroethane	7.786	97	2853	0.561	ug/l #	88
56) Ethyl methacrylate	7.767	69	2539m	0.380	ug/l	
57) 1,3-Dichloropropane	7.963	76	3648	0.456	ug/l #	87
58) 2-Chloroethyl Vinyl ether	6.863	63	6758m	2.226	ug/l	
59) 2-Hexanone	8.117	43	5222m	1.279	ug/l	
60) Dibromochloromethane	8.178	129	3123	0.488	ug/l	98
61) 1,2-Dibromoethane	8.300	107	2262	0.430	ug/l #	66
64) Tetrachloroethene	7.911	164	2413	0.548	ug/l #	84
65) Chlorobenzene	8.812	112	7469	0.518	ug/l	99
66) 1,1,1,2-Tetrachloroethane	8.899	131	2738	0.508	ug/l #	65
67) Ethyl Benzene	8.953	91	10101	0.447	ug/l	98
68) m/p-Xylenes	9.079	106	6805	0.786	ug/l	93
69) o-Xylene	9.484	106	3280	0.397	ug/l	90
70) Styrene	9.529	104	4886m	0.338	ug/l	
71) Bromoform	9.667	173	2416	0.552	ug/l #	93
73) Isopropylbenzene	9.866	105	8897	0.465	ug/l	96
74) N-amyl acetate	9.783	43	2107m	0.315	ug/l	
75) 1,1,2,2-Tetrachloroethane	10.178	83	4100	0.591	ug/l	98
76) 1,2,3-Trichloropropane	10.210	75	3561m	0.706	ug/l	
77) Bromobenzene	10.156	156	3054m	0.619	ug/l	
78) n-propylbenzene	10.288	91	11110	0.488	ug/l	99
79) 2-Chlorotoluene	10.361	91	6340	0.458	ug/l	85
80) 1,3,5-Trimethylbenzene	10.477	105	7426	0.454	ug/l	94
81) trans-1,4-Dichloro-2-b...	9.940	75	1111m	0.469	ug/l	
82) 4-Chlorotoluene	10.487	91	7227	0.453	ug/l	100
83) tert-Butylbenzene	10.792	119	8020	0.473	ug/l	88
84) 1,2,4-Trimethylbenzene	10.850	105	7394	0.461	ug/l	96
85) sec-Butylbenzene	11.017	105	9632	0.446	ug/l	89
86) p-Isopropyltoluene	11.175	119	8594	0.464	ug/l	83
87) 1,3-Dichlorobenzene	11.124	146	5426	0.541	ug/l	94
88) 1,4-Dichlorobenzene	11.201	146	7065m	0.668	ug/l	
89) n-Butylbenzene	11.593	91	6599	0.384	ug/l	92
90) Hexachloroethane	11.821	117	2007	0.499	ug/l	99
91) 1,2-Dichlorobenzene	11.586	146	5365	0.567	ug/l	92
92) 1,2-Dibromo-3-Chloropr...	12.371	75	901m	0.613	ug/l	
93) 1,2,4-Trichlorobenzene	13.201	180	2431	0.396	ug/l	73
94) Hexachlorobutadiene	13.368	225	1323	0.447	ug/l	95
95) Naphthalene	13.448	128	7189	0.368	ug/l #	90
96) 1,2,3-Trichlorobenzene	13.676	180	2936	0.464	ug/l	95

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

