

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV070725\
 Data File : VV038872.D
 Acq On : 07 Jul 2025 16:09
 Operator : SY/MD
 Sample : MDL05
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

Quant Time: Jul 08 02:43:37 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	385703	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	674253	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	638282	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.175	152	315595	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.944	65	268239	62.053	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	= 124.100%#	
35) Dibromofluoromethane	4.503	113	233195	54.601	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	= 109.200%	
50) Toluene-d8	7.236	98	667127	48.280	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	= 96.560%	
62) 4-Bromofluorobenzene	10.001	95	278648	49.913	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	= 99.820%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.121	85	9343	2.552	ug/l	95
3) Chloromethane	1.230	50	12818	2.853	ug/l	94
4) Vinyl Chloride	1.298	62	10963	2.624	ug/l	97
5) Bromomethane	1.494	94	11543	4.528	ug/l	97
6) Chloroethane	1.558	64	8077	2.884	ug/l	92
7) Trichlorofluoromethane	1.725	101	19798	2.679	ug/l	93
8) Diethyl Ether	1.918	74	7283	2.832	ug/l	91
9) 1,1,2-Trichlorotrifluo...	2.082	101	12024	2.877	ug/l	96
10) Methyl Iodide	2.198	142	10709	2.020	ug/l	99
11) Tert butyl alcohol	2.577	59	10206	18.088	ug/l #	86
12) 1,1-Dichloroethene	2.085	96	12012	3.024	ug/l	88
13) Acrolein	2.015	56	2427	17.226	ug/l	97
14) Allyl chloride	2.362	41	16523	3.093	ug/l	94
15) Acrylonitrile	2.693	53	30317	15.360	ug/l	98
16) Acetone	2.124	43	27787	19.289	ug/l	91
17) Carbon Disulfide	2.253	76	26938	2.928	ug/l	98
18) Methyl Acetate	2.400	43	11899	2.422	ug/l	99
19) Methyl tert-butyl Ether	2.712	73	34377	2.799	ug/l	97
20) Methylene Chloride	2.458	84	16732	3.515	ug/l	96
21) trans-1,2-Dichloroethene	2.709	96	11171	2.812	ug/l	98
22) Diisopropyl ether	3.220	45	30431	2.779	ug/l #	51
23) Vinyl Acetate	3.214	43	102605	12.993	ug/l	95
24) 1,1-Dichloroethane	3.127	63	21363	2.894	ug/l	96
25) 2-Butanone	3.918	43	26356m	12.372	ug/l	
26) 2,2-Dichloropropane	3.822	77	18528	2.708	ug/l	98
27) cis-1,2-Dichloroethene	3.844	96	12994	2.807	ug/l	84
28) Bromochloromethane	4.166	49	8821	2.796	ug/l	89
29) Tetrahydrofuran	4.256	42	19576	13.568	ug/l #	83
30) Chloroform	4.285	83	24980	3.105	ug/l	86
31) Cyclohexane	4.593	56	20994	3.591	ug/l #	68
32) 1,1,1-Trichloroethane	4.516	97	21272	2.849	ug/l	98
36) 1,1-Dichloropropene	4.754	75	13135	2.534	ug/l	89
37) Ethyl Acetate	3.918	43	26799m	5.068	ug/l	
38) Carbon Tetrachloride	4.735	117	18846	2.763	ug/l	90
39) Methylcyclohexane	6.053	83	16197	2.390	ug/l	96
40) Benzene	5.024	78	45660	2.668	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.217	41	2358	1.038	ug/l #	81
42) 1,2-Dichloroethane	5.066	62	19969m	3.296	ug/l	
43) Isopropyl Acetate	5.220	43	19130	2.268	ug/l #	71
44) Trichloroethene	5.850	130	12481	2.795	ug/l	99
45) 1,2-Dichloropropane	6.108	63	10373	2.414	ug/l #	88
46) Dibromomethane	6.246	93	9230	2.723	ug/l	95
47) Bromodichloromethane	6.439	83	19825	2.762	ug/l	94
48) Methyl methacrylate	6.339	41	10489m	2.615	ug/l	
49) 1,4-Dioxane	6.320	88	2922	52.550	ug/l #	78
51) 4-Methyl-2-Pentanone	7.156	43	65507	12.305	ug/l	97
52) Toluene	7.320	92	27821	2.602	ug/l	99
53) t-1,3-Dichloropropene	7.600	75	15767	2.295	ug/l	99
54) cis-1,3-Dichloropropene	6.966	75	17810	2.535	ug/l #	94
55) 1,1,2-Trichloroethane	7.773	97	14163	3.029	ug/l	94
56) Ethyl methacrylate	7.738	69	12428	2.021	ug/l #	86
57) 1,3-Dichloropropane	7.947	76	19914	2.704	ug/l	95
58) 2-Chloroethyl Vinyl ether	6.825	63	36462	13.055	ug/l	100
59) 2-Hexanone	8.082	43	37447	9.973	ug/l	91
60) Dibromochloromethane	8.175	129	16222	2.756	ug/l	98
61) 1,2-Dibromoethane	8.288	107	13737	2.840	ug/l	100
64) Tetrachloroethene	7.902	164	10853	2.644	ug/l	93
65) Chlorobenzene	8.809	112	36673	2.726	ug/l	94
66) 1,1,1,2-Tetrachloroethane	8.905	131	13687	2.725	ug/l	91
67) Ethyl Benzene	8.947	91	50362	2.390	ug/l	99
68) m/p-Xylenes	9.069	106	36806	4.560	ug/l	93
69) o-Xylene	9.474	106	17884	2.319	ug/l	100
70) Styrene	9.500	104	26614	1.976	ug/l	97
71) Bromoform	9.661	173	11321	2.774	ug/l #	95
73) Isopropylbenzene	9.860	105	44602	2.408	ug/l	99
74) N-amyl acetate	9.741	43	15568	2.401	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	10.169	83	21020	3.131	ug/l	98
76) 1,2,3-Trichloropropane	10.207	75	15996m	3.276	ug/l	
77) Bromobenzene	10.149	156	14171	2.966	ug/l	95
78) n-propylbenzene	10.284	91	53962	2.448	ug/l	100
79) 2-Chlorotoluene	10.355	91	35294	2.637	ug/l	99
80) 1,3,5-Trimethylbenzene	10.468	105	37341	2.358	ug/l	96
81) trans-1,4-Dichloro-2-b...	9.940	75	5332	2.324	ug/l	94
82) 4-Chlorotoluene	10.474	91	37131	2.406	ug/l	97
83) tert-Butylbenzene	10.792	119	40718	2.479	ug/l	99
84) 1,2,4-Trimethylbenzene	10.847	105	36003	2.320	ug/l	95
85) sec-Butylbenzene	11.014	105	48239	2.307	ug/l	100
86) p-Isopropyltoluene	11.172	119	41204	2.298	ug/l	94
87) 1,3-Dichlorobenzene	11.114	146	25586	2.634	ug/l	98
88) 1,4-Dichlorobenzene	11.197	146	27394m	2.676	ug/l	
89) n-Butylbenzene	11.587	91	35233	2.120	ug/l	98
90) Hexachloroethane	11.821	117	10234	2.630	ug/l	97
91) 1,2-Dichlorobenzene	11.577	146	24285	2.652	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	12.358	75	4001	2.814	ug/l	99
93) 1,2,4-Trichlorobenzene	13.194	180	14570	2.455	ug/l	92
94) Hexachlorobutadiene	13.371	225	7041	2.459	ug/l	99
95) Naphthalene	13.435	128	38574	2.043	ug/l	98
96) 1,2,3-Trichlorobenzene	13.673	180	14272	2.330	ug/l	97

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

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