

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV070725\
 Data File : VV038871.D
 Acq On : 07 Jul 2025 15:47
 Operator : SY/MD
 Sample : MDL04
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

Quant Time: Jul 08 02:42:35 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	443172	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	743336	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	692694	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	344520	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.941	65	280745	56.524	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	= 113.040%	
35) Dibromofluoromethane	4.503	113	250112	53.120	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	= 106.240%	
50) Toluene-d8	7.236	98	729469	47.885	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	= 95.780%	
62) 4-Bromofluorobenzene	10.002	95	309205	50.239	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	= 100.480%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.121	85	11181	2.658	ug/l	97
3) Chloromethane	1.230	50	13664	2.647	ug/l	97
4) Vinyl Chloride	1.298	62	12763	2.659	ug/l	99
5) Bromomethane	1.497	94	12786	4.365	ug/l	94
6) Chloroethane	1.558	64	9167	2.849	ug/l	97
7) Trichlorofluoromethane	1.729	101	22846	2.690	ug/l	92
8) Diethyl Ether	1.921	74	8088	2.737	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.082	101	13442	2.799	ug/l	98
10) Methyl Iodide	2.198	142	11530	1.892	ug/l	95
11) Tert butyl alcohol	2.571	59	9717	14.988	ug/l #	90
12) 1,1-Dichloroethene	2.082	96	12762	2.796	ug/l	97
13) Acrolein	2.015	56	2416	14.924	ug/l #	79
14) Allyl chloride	2.362	41	17883	2.914	ug/l #	91
15) Acrylonitrile	2.690	53	29924	13.195	ug/l	96
16) Acetone	2.124	43	29076	17.567	ug/l	98
17) Carbon Disulfide	2.253	76	30455	2.881	ug/l	95
18) Methyl Acetate	2.394	43	12911	2.288	ug/l #	87
19) Methyl tert-butyl Ether	2.712	73	36895	2.615	ug/l	99
20) Methylene Chloride	2.458	84	17435	3.187	ug/l	96
21) trans-1,2-Dichloroethene	2.712	96	12266	2.687	ug/l	92
22) Diisopropyl ether	3.224	45	31993	2.543	ug/l #	66
23) Vinyl Acetate	3.211	43	104266	11.491	ug/l	94
24) 1,1-Dichloroethane	3.127	63	24201	2.853	ug/l	95
25) 2-Butanone	3.925	43	26823m	10.959	ug/l	
26) 2,2-Dichloropropane	3.815	77	21004	2.672	ug/l	99
27) cis-1,2-Dichloroethene	3.844	96	15104	2.840	ug/l	95
28) Bromochloromethane	4.166	49	9802	2.704	ug/l	100
29) Tetrahydrofuran	4.256	42	20854	12.580	ug/l #	84
30) Chloroform	4.288	83	25371	2.745	ug/l	94
31) Cyclohexane	4.587	56	25696	3.825	ug/l #	79
32) 1,1,1-Trichloroethane	4.516	97	25121	2.929	ug/l	95
36) 1,1-Dichloropropene	4.764	75	15121	2.647	ug/l #	81
37) Ethyl Acetate	3.925	43	27427m	4.704	ug/l	
38) Carbon Tetrachloride	4.738	117	21970	2.921	ug/l	96
39) Methylcyclohexane	6.050	83	19066	2.552	ug/l	95
40) Benzene	5.024	78	47064	2.495	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.220	41	3031m	1.211	ug/l	
42) 1,2-Dichloroethane	5.053	62	17901	2.680	ug/l	95
43) Isopropyl Acetate	5.214	43	18313	1.969	ug/l #	92
44) Trichloroethene	5.847	130	13526	2.747	ug/l	99
45) 1,2-Dichloropropane	6.108	63	10897	2.300	ug/l #	89
46) Dibromomethane	6.243	93	10154	2.717	ug/l	93
47) Bromodichloromethane	6.439	83	20077	2.538	ug/l	97
48) Methyl methacrylate	6.346	41	8355m	1.889	ug/l	
49) 1,4-Dioxane	6.317	88	3736m	60.945	ug/l	
51) 4-Methyl-2-Pentanone	7.156	43	67646	11.526	ug/l	96
52) Toluene	7.320	92	31837	2.701	ug/l	99
53) t-1,3-Dichloropropene	7.593	75	17130	2.262	ug/l	99
54) cis-1,3-Dichloropropene	6.966	75	18814	2.429	ug/l	96
55) 1,1,2-Trichloroethane	7.777	97	13442	2.608	ug/l	95
56) Ethyl methacrylate	7.738	69	13568	2.001	ug/l	94
57) 1,3-Dichloropropane	7.947	76	21635	2.664	ug/l	96
58) 2-Chloroethyl Vinyl ether	6.825	63	36588	11.883	ug/l	94
59) 2-Hexanone	8.082	43	42784	10.335	ug/l	89
60) Dibromochloromethane	8.172	129	16353	2.520	ug/l	96
61) 1,2-Dibromoethane	8.288	107	14398	2.700	ug/l	92
64) Tetrachloroethene	7.902	164	12719	2.855	ug/l	95
65) Chlorobenzene	8.812	112	38684	2.650	ug/l	98
66) 1,1,1,2-Tetrachloroethane	8.902	131	13634	2.501	ug/l	88
67) Ethyl Benzene	8.944	91	56235	2.459	ug/l	97
68) m/p-Xylenes	9.069	106	40497	4.623	ug/l	94
69) o-Xylene	9.474	106	19144	2.287	ug/l	97
70) Styrene	9.503	104	30794	2.107	ug/l	97
71) Bromoform	9.664	173	12120	2.736	ug/l #	99
73) Isopropylbenzene	9.860	105	53149	2.629	ug/l	98
74) N-amyl acetate	9.738	43	14936	2.110	ug/l #	95
75) 1,1,2,2-Tetrachloroethane	10.172	83	22160	3.023	ug/l	99
76) 1,2,3-Trichloropropane	10.204	75	14592	2.737	ug/l	98
77) Bromobenzene	10.149	156	14591	2.797	ug/l	97
78) n-propylbenzene	10.284	91	60699	2.523	ug/l	100
79) 2-Chlorotoluene	10.352	91	39717	2.718	ug/l	99
80) 1,3,5-Trimethylbenzene	10.468	105	44118	2.552	ug/l	99
81) trans-1,4-Dichloro-2-b...	9.944	75	5552	2.217	ug/l #	91
82) 4-Chlorotoluene	10.471	91	42170	2.503	ug/l	97
83) tert-Butylbenzene	10.792	119	45473	2.536	ug/l	98
84) 1,2,4-Trimethylbenzene	10.847	105	38495	2.272	ug/l	98
85) sec-Butylbenzene	11.014	105	55447	2.429	ug/l	100
86) p-Isopropyltoluene	11.172	119	48968	2.502	ug/l	99
87) 1,3-Dichlorobenzene	11.114	146	27321	2.576	ug/l	98
88) 1,4-Dichlorobenzene	11.201	146	33233	2.974	ug/l	91
89) n-Butylbenzene	11.587	91	40781	2.248	ug/l	100
90) Hexachloroethane	11.821	117	12165	2.864	ug/l	97
91) 1,2-Dichlorobenzene	11.577	146	27297	2.731	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.362	75	4860	3.132	ug/l	86
93) 1,2,4-Trichlorobenzene	13.194	180	14860	2.294	ug/l	96
94) Hexachlorobutadiene	13.368	225	8526	2.727	ug/l	92
95) Naphthalene	13.432	128	44237	2.146	ug/l	97
96) 1,2,3-Trichlorobenzene	13.673	180	15203	2.274	ug/l	99

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

