

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV081125\
 Data File : VV038940.D
 Acq On : 11 Aug 2025 12:59
 Operator : SY/MD
 Sample : Q2126-07
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2025

Quant Time: Aug 12 01:46:47 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V080825W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 12 01:42:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	4.596	168	476779	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	827623	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	771966	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	360062	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.937	65	371264	54.147	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	= 108.300%	
35) Dibromofluoromethane	4.497	113	318231	50.684	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	= 101.360%	
50) Toluene-d8	7.236	98	989607	45.509	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	= 91.020%	
62) 4-Bromofluorobenzene	10.001	95	317069	40.487	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	= 80.980%#	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.121	85	739	0.230	ug/l	83
3) Chloromethane	1.227	50	1233	0.403	ug/l #	72
4) Vinyl Chloride	1.294	62	821	0.218	ug/l	98
5) Bromomethane	1.503	94	1188	0.403	ug/l	95
6) Chloroethane	1.555	64	752	0.278	ug/l #	44
7) Trichlorofluoromethane	1.722	101	1656	0.222	ug/l #	76
8) Diethyl Ether	1.921	74	430	0.155	ug/l	68
9) 1,1,2-Trichlorotrifluo...	2.079	101	1168	0.245	ug/l #	62
10) Methyl Iodide	2.201	142	1234	0.272	ug/l #	81
11) Tert butyl alcohol	2.574	59	1268	1.093	ug/l #	77
12) 1,1-Dichloroethene	2.082	96	1088	0.276	ug/l	90
13) Acrolein	2.011	56	257	0.288	ug/l #	54
14) Allyl chloride	2.358	41	2311m	0.335	ug/l	
15) Acrylonitrile	2.680	53	3312	1.082	ug/l #	85
16) Acetone	2.133	43	3310m	1.345	ug/l	
17) Carbon Disulfide	2.249	76	1727	0.271	ug/l #	56
18) Methyl Acetate	2.391	43	1506	0.171	ug/l	99
19) Methyl tert-butyl Ether	2.715	73	3641m	0.224	ug/l	
20) Methylene Chloride	2.449	84	1497	0.264	ug/l #	81
21) trans-1,2-Dichloroethene	2.699	96	1018	0.238	ug/l #	93
22) Diisopropyl ether	3.233	45	2771	0.199	ug/l #	78
23) Vinyl Acetate	3.220	43	7923	0.765	ug/l	98
24) 1,1-Dichloroethane	3.124	63	2222	0.248	ug/l #	76
25) 2-Butanone	4.040	43	5833m	1.868	ug/l	
26) 2,2-Dichloropropane	3.809	77	1793m	0.226	ug/l	
27) cis-1,2-Dichloroethene	3.831	96	1372m	0.267	ug/l	
28) Bromochloromethane	4.166	49	1061m	0.353	ug/l	
29) Tetrahydrofuran	4.275	42	2345m	1.147	ug/l	
30) Chloroform	4.294	83	2393m	0.246	ug/l	
31) Cyclohexane	4.593	56	11721	2.128	ug/l #	6
32) 1,1,1-Trichloroethane	4.513	97	1890	0.226	ug/l #	49
36) 1,1-Dichloropropene	4.764	75	2232m	0.400	ug/l	
37) Ethyl Acetate	4.040	43	5482m	0.741	ug/l	
38) Carbon Tetrachloride	4.680	117	2733m	0.371	ug/l	
39) Methylcyclohexane	6.030	83	1420m	0.234	ug/l	
40) Benzene	5.034	78	3597m	0.195	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.256	41	696m	0.233	ug/l	
42) 1,2-Dichloroethane	5.053	62	1797m	0.251	ug/l	
43) Isopropyl Acetate	5.255	43	1743m	0.170	ug/l	
44) Trichloroethene	5.863	130	948m	0.193	ug/l	
45) 1,2-Dichloropropane	6.091	63	729m	0.142	ug/l	
46) Dibromomethane	6.252	93	791m	0.208	ug/l	
47) Bromodichloromethane	6.452	83	1735m	0.205	ug/l	
48) Methyl methacrylate	6.493	41	1174m	0.258	ug/l	
49) 1,4-Dioxane	6.657	88	230m	2.425	ug/l	
51) 4-Methyl-2-Pentanone	7.175	43	3662	0.515	ug/l	95
52) Toluene	7.320	92	2030	0.175	ug/l	97
53) t-1,3-Dichloropropene	7.622	75	1469m	0.198	ug/l	
54) cis-1,3-Dichloropropene	7.008	75	1726m	0.214	ug/l	
55) 1,1,2-Trichloroethane	7.792	97	1507m	0.265	ug/l	
56) Ethyl methacrylate	7.783	69	998m	0.150	ug/l	
57) 1,3-Dichloropropane	7.966	76	1596m	0.183	ug/l	
58) 2-Chloroethyl Vinyl ether	6.902	63	3011m	0.902	ug/l	
59) 2-Hexanone	8.152	43	2496m	0.486	ug/l	
60) Dibromochloromethane	8.178	129	1162	0.167	ug/l	85
61) 1,2-Dibromoethane	8.310	107	1035m	0.183	ug/l	
64) Tetrachloroethene	7.915	164	1330	0.294	ug/l #	76
65) Chlorobenzene	8.805	112	3239	0.215	ug/l	89
66) 1,1,1,2-Tetrachloroethane	8.898	131	1287	0.217	ug/l #	54
67) Ethyl Benzene	8.956	91	3690m	0.166	ug/l	
68) m/p-Xylenes	9.082	106	2492	0.292	ug/l	99
69) o-Xylene	9.484	106	1310	0.163	ug/l	93
70) Styrene	9.532	104	2437m	0.169	ug/l	
71) Bromoform	9.664	173	1629	0.327	ug/l #	74
73) Isopropylbenzene	9.863	105	3048	0.162	ug/l	86
74) N-amyl acetate	9.776	43	1979m	0.300	ug/l	
75) 1,1,2,2-Tetrachloroethane	10.178	83	1548	0.193	ug/l	96
76) 1,2,3-Trichloropropane	10.214	75	1718m	0.292	ug/l	
77) Bromobenzene	10.156	156	1085	0.215	ug/l #	52
78) n-propylbenzene	10.294	91	4196	0.189	ug/l #	74
79) 2-Chlorotoluene	10.368	91	4162m	0.306	ug/l	
80) 1,3,5-Trimethylbenzene	10.484	105	3175m	0.200	ug/l	
81) trans-1,4-Dichloro-2-b...	9.950	75	485m	0.206	ug/l	
82) 4-Chlorotoluene	10.490	91	3826m	0.240	ug/l	
83) tert-Butylbenzene	10.792	119	3321	0.197	ug/l	97
84) 1,2,4-Trimethylbenzene	10.853	105	2773	0.176	ug/l	67
85) sec-Butylbenzene	11.017	105	3521	0.165	ug/l	97
86) p-Isopropyltoluene	11.181	119	3528	0.190	ug/l #	49
87) 1,3-Dichlorobenzene	11.123	146	2552	0.242	ug/l	93
88) 1,4-Dichlorobenzene	11.197	146	3694m	0.322	ug/l	
89) n-Butylbenzene	11.599	91	3673m	0.214	ug/l	
90) Hexachloroethane	11.818	117	998	0.228	ug/l	91
91) 1,2-Dichlorobenzene	11.596	146	2856m	0.287	ug/l	
92) 1,2-Dibromo-3-Chloropr...	12.365	75	310m	0.177	ug/l	
93) 1,2,4-Trichlorobenzene	13.217	180	1217	0.194	ug/l	94
94) Hexachlorobutadiene	13.371	225	851	0.256	ug/l	90
95) Naphthalene	13.451	128	3243m	0.164	ug/l	
96) 1,2,3-Trichlorobenzene	13.683	180	1619	0.252	ug/l	73

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

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