

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV111225\
 Data File : VV039368.D
 Acq On : 12 Nov 2025 11:57
 Operator : SY/MD
 Sample : Q3530-07
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2025

Quant Time: Nov 14 00:20:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V111125W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 14 00:16:53 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :John Carlone 11/14/2025
 Supervised By :Mahesh Dadoda 11/14/2025

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

Internal Standards						
1) Pentafluorobenzene	4.596	168	780738	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.529	114	1179331	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	1104163	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	580724	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.934	65	529508	54.975	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 109.940%			
35) Dibromofluoromethane	4.497	113	454813	50.281	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 100.560%			
50) Toluene-d8	7.233	98	1328332	44.439	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 88.880%#			
62) 4-Bromofluorobenzene	9.998	95	480875	41.868	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 83.740%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.118	85	2239	0.480	ug/l	94
3) Chloromethane	1.230	50	1570	0.361	ug/l	94
4) Vinyl Chloride	1.298	62	1634	0.304	ug/l #	1
5) Bromomethane	1.507	94	2691	0.842	ug/l #	66
6) Chloroethane	1.552	64	5557m	1.403	ug/l	
7) Trichlorofluoromethane	1.725	101	3503	0.321	ug/l #	79
8) Diethyl Ether	1.915	74	902m	0.216	ug/l	
9) 1,1,2-Trichlorotrifluo...	2.082	101	2654	0.369	ug/l #	72
10) Methyl Iodide	2.201	142	4910	1.110	ug/l	94
11) Tert butyl alcohol	2.564	59	1293	1.253	ug/l #	73
12) 1,1-Dichloroethene	2.082	96	1831	0.322	ug/l #	76
13) Acrolein	2.027	56	552	5.702	ug/l #	47
14) Allyl chloride	2.362	41	2605	0.257	ug/l #	67
15) Acrylonitrile	2.712	53	3053m	0.762	ug/l	
16) Acetone	2.121	43	12069	2.368	ug/l	94
17) Carbon Disulfide	2.256	76	4698	0.523	ug/l	100
18) Methyl Acetate	2.410	43	4366m	0.320	ug/l	
19) Methyl tert-butyl Ether	2.712	73	6594	0.309	ug/l	94
20) Methylene Chloride	2.458	84	3649	0.464	ug/l #	81
21) trans-1,2-Dichloroethene	2.716	96	1528	0.271	ug/l	86
22) Diisopropyl ether	3.214	45	4409m	0.200	ug/l	
23) Vinyl Acetate	3.265	43	15392m	0.990	ug/l	
24) 1,1-Dichloroethane	3.134	63	3843	0.287	ug/l #	69
25) 2-Butanone	3.735	43	3220m	0.606	ug/l	
26) 2,2-Dichloropropane	3.806	77	3214m	0.286	ug/l	
27) cis-1,2-Dichloroethene	3.860	96	2749m	0.359	ug/l	
28) Bromochloromethane	4.166	49	2248m	0.384	ug/l	
29) Tetrahydrofuran	4.227	42	1149m	0.386	ug/l	
30) Chloroform	4.297	83	4013m	0.272	ug/l	
31) Cyclohexane	4.593	56	16671	1.991	ug/l #	25
32) 1,1,1-Trichloroethane	4.513	97	5037m	0.408	ug/l	
36) 1,1-Dichloropropene	4.760	75	3214m	0.413	ug/l	
37) Ethyl Acetate	3.973	43	1201m	0.100	ug/l	
38) Carbon Tetrachloride	4.728	117	5096m	0.440	ug/l	
39) Methylcyclohexane	6.050	83	2169	0.261	ug/l #	79
40) Benzene	5.037	78	6431m	0.236	ug/l	

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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V111125W.M
 Quant Title : SW846 8260
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
41) Methacrylonitrile	4.159	41	473	0.111	ug/l	#	1
42) 1,2-Dichloroethane	5.056	62	5132m	0.483	ug/l		
43) Isopropyl Acetate	5.188	43	250	0.016	ug/l	#	4
44) Trichloroethene	5.847	130	2804	0.379	ug/l		52
45) 1,2-Dichloropropane	6.104	63	1532m	0.208	ug/l		
46) Dibromomethane	6.256	93	2310m	0.390	ug/l		
47) Bromodichloromethane	6.449	83	4947m	0.385	ug/l		
48) Methyl methacrylate	6.281	41	1923m	0.259	ug/l		
49) 1,4-Dioxane	6.262	88	767m	6.706	ug/l		
51) 4-Methyl-2-Pentanone	7.166	43	10869	0.997	ug/l	#	87
52) Toluene	7.323	92	4946	0.290	ug/l		85
53) t-1,3-Dichloropropene	7.606	75	2857m	0.259	ug/l		
54) cis-1,3-Dichloropropene	6.976	75	2644m	0.225	ug/l		
55) 1,1,2-Trichloroethane	7.786	97	2281	0.264	ug/l	#	74
56) Ethyl methacrylate	7.696	69	417m	0.040	ug/l		
57) 1,3-Dichloropropane	7.960	76	3686	0.277	ug/l		94
58) 2-Chloroethyl Vinyl ether	6.876	63	4590m	1.547	ug/l		
59) 2-Hexanone	8.114	43	9997m	1.283	ug/l		
60) Dibromochloromethane	8.178	129	3429	0.310	ug/l		90
61) 1,2-Dibromoethane	8.313	107	2986m	0.354	ug/l		
64) Tetrachloroethene	7.902	164	2052m	0.301	ug/l		
65) Chlorobenzene	8.809	112	7483	0.340	ug/l	#	82
66) 1,1,1,2-Tetrachloroethane	8.902	131	2760	0.301	ug/l	#	53
67) Ethyl Benzene	8.953	91	7904	0.249	ug/l		95
68) m/p-Xylenes	9.082	106	6457	0.538	ug/l	#	60
69) o-Xylene	9.490	106	2777	0.244	ug/l		84
70) Styrene	9.542	104	5701m	0.281	ug/l		
71) Bromoform	9.670	173	3390	0.398	ug/l	#	89
73) Isopropylbenzene	9.866	105	7352	0.259	ug/l		93
74) N-amyl acetate	9.757	43	1642m	0.148	ug/l		
75) 1,1,2,2-Tetrachloroethane	10.181	83	2946	0.239	ug/l	#	70
76) 1,2,3-Trichloropropane	10.207	75	3321m	0.368	ug/l		
77) Bromobenzene	10.149	156	2951	0.337	ug/l		97
78) n-propylbenzene	10.291	91	8813	0.271	ug/l		94
79) 2-Chlorotoluene	10.358	91	5353	0.257	ug/l		92
80) 1,3,5-Trimethylbenzene	10.471	105	6749	0.291	ug/l		99
81) trans-1,4-Dichloro-2-b...	9.950	75	838m	0.249	ug/l		
82) 4-Chlorotoluene	10.484	91	5956	0.256	ug/l		92
83) tert-Butylbenzene	10.792	119	7012	0.275	ug/l		85
84) 1,2,4-Trimethylbenzene	10.847	105	6678	0.296	ug/l		88
85) sec-Butylbenzene	11.017	105	7836	0.259	ug/l		89
86) p-Isopropyltoluene	11.169	119	8521	0.327	ug/l		81
87) 1,3-Dichlorobenzene	11.117	146	5705	0.340	ug/l		81
88) 1,4-Dichlorobenzene	11.194	146	7641m	0.417	ug/l		
89) n-Butylbenzene	11.590	91	7435	0.320	ug/l		91
90) Hexachloroethane	11.818	117	2547	0.392	ug/l		95
91) 1,2-Dichlorobenzene	11.583	146	4869	0.296	ug/l		92
92) 1,2-Dibromo-3-Chloropr...	12.387	75	698m	0.275	ug/l		
93) 1,2,4-Trichlorobenzene	13.201	180	3461	0.332	ug/l		94
94) Hexachlorobutadiene	13.368	225	4095	0.737	ug/l		100
95) Naphthalene	13.451	128	7538	0.270	ug/l	#	92
96) 1,2,3-Trichlorobenzene	13.683	180	3591	0.334	ug/l	#	89

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

