

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VW111225\
 Data File : VV039369.D
 Acq On : 12 Nov 2025 12:19
 Operator : SY/MD
 Sample : Q3530-07
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Nov 14 00:20:38 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	4.600	168	739189	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	1112848	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	1055356	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	565564	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.940	65	520644	57.093	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 114.180%			
35) Dibromofluoromethane	4.503	113	438171	51.336	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 102.680%			
50) Toluene-d8	7.236	98	1318235	46.736	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 93.480%			
62) 4-Bromofluorobenzene	10.001	95	481122	44.392	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 88.780%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.121	85	3145	0.713	ug/l	90
3) Chloromethane	1.230	50	2936	0.713	ug/l	89
4) Vinyl Chloride	1.297	62	3574	0.703	ug/l #	63
5) Bromomethane	1.503	94	3252	1.075	ug/l	95
6) Chloroethane	1.561	64	4150m	1.106	ug/l	
7) Trichlorofluoromethane	1.728	101	8263	0.799	ug/l #	84
8) Diethyl Ether	1.921	74	3339	0.846	ug/l	74
9) 1,1,2-Trichlorotrifluo...	2.085	101	3996	0.587	ug/l #	70
10) Methyl Iodide	2.198	142	5287	1.262	ug/l #	91
11) Tert butyl alcohol	2.568	59	5391m	5.518	ug/l	
12) 1,1-Dichloroethene	2.082	96	3456	0.642	ug/l	93
13) Acrolein	2.021	56	454	4.953	ug/l #	66
14) Allyl chloride	2.365	41	6515m	0.680	ug/l	
15) Acrylonitrile	2.709	53	11409m	3.009	ug/l	
16) Acetone	2.124	43	23618	4.895	ug/l	97
17) Carbon Disulfide	2.256	76	7028	0.826	ug/l #	83
18) Methyl Acetate	2.410	43	3791m	0.293	ug/l	
19) Methyl tert-butyl Ether	2.715	73	11937	0.590	ug/l	92
20) Methylene Chloride	2.461	84	6269	0.842	ug/l #	84
21) trans-1,2-Dichloroethene	2.719	96	4402	0.825	ug/l	92
22) Diisopropyl ether	3.230	45	9615	0.462	ug/l #	76
23) Vinyl Acetate	3.236	43	45898m	3.120	ug/l	
24) 1,1-Dichloroethane	3.127	63	9400	0.742	ug/l #	92
25) 2-Butanone	3.973	43	20841m	4.140	ug/l	
26) 2,2-Dichloropropane	3.815	77	8001m	0.751	ug/l	
27) cis-1,2-Dichloroethene	3.857	96	3656m	0.504	ug/l	
28) Bromochloromethane	4.166	49	4784m	0.864	ug/l	
29) Tetrahydrofuran	4.281	42	7299m	2.590	ug/l	
30) Chloroform	4.307	83	10391m	0.743	ug/l	
31) Cyclohexane	4.593	56	17791	2.244	ug/l #	19
32) 1,1,1-Trichloroethane	4.516	97	8621	0.737	ug/l #	51
36) 1,1-Dichloropropene	4.767	75	3379	0.460	ug/l #	45
37) Ethyl Acetate	3.973	43	14913m	1.320	ug/l	
38) Carbon Tetrachloride	4.747	117	9971m	0.913	ug/l	
39) Methylcyclohexane	6.053	83	3995	0.510	ug/l	92
40) Benzene	5.030	78	15068	0.586	ug/l #	76

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Reviewed By :John Carlone 11/14/2025
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.204	41	1863m	0.462	ug/l	
42) 1,2-Dichloroethane	5.066	62	6659	0.665	ug/l	77
43) Isopropyl Acetate	5.243	43	10223m	0.679	ug/l	
44) Trichloroethene	5.857	130	4973	0.713	ug/l	70
45) 1,2-Dichloropropane	6.108	63	4797m	0.690	ug/l	
46) Dibromomethane	6.255	93	3452	0.617	ug/l	96
47) Bromodichloromethane	6.442	83	6848	0.565	ug/l #	94
48) Methyl methacrylate	6.397	41	3419m	0.488	ug/l	
49) 1,4-Dioxane	6.387	88	2666m	24.702	ug/l	
51) 4-Methyl-2-Pentanone	7.162	43	23152	2.251	ug/l	100
52) Toluene	7.323	92	10108	0.627	ug/l	98
53) t-1,3-Dichloropropene	7.612	75	7186m	0.689	ug/l	
54) cis-1,3-Dichloropropene	6.976	75	5416	0.489	ug/l #	84
55) 1,1,2-Trichloroethane	7.780	97	4851	0.595	ug/l #	87
56) Ethyl methacrylate	7.760	69	5362m	0.544	ug/l	
57) 1,3-Dichloropropane	7.950	76	7148	0.570	ug/l	94
58) 2-Chloroethyl Vinyl ether	6.863	63	6672m	2.382	ug/l	
59) 2-Hexanone	8.101	43	14031	1.909	ug/l	85
60) Dibromochloromethane	8.181	129	6606	0.632	ug/l	91
61) 1,2-Dibromoethane	8.297	107	5908m	0.743	ug/l	
64) Tetrachloroethene	7.908	164	4596	0.705	ug/l #	90
65) Chlorobenzene	8.808	112	13666	0.650	ug/l	98
66) 1,1,1,2-Tetrachloroethane	8.902	131	4965	0.566	ug/l #	63
67) Ethyl Benzene	8.950	91	15614	0.514	ug/l	89
68) m/p-Xylenes	9.075	106	9702	0.845	ug/l	84
69) o-Xylene	9.480	106	6027	0.555	ug/l	91
70) Styrene	9.516	104	10050m	0.518	ug/l	
71) Bromoform	9.667	173	5457	0.671	ug/l #	95
73) Isopropylbenzene	9.863	105	15238	0.552	ug/l	94
74) N-amyl acetate	9.757	43	6189m	0.572	ug/l	
75) 1,1,2,2-Tetrachloroethane	10.172	83	8226	0.684	ug/l	85
76) 1,2,3-Trichloropropane	10.210	75	5688m	0.648	ug/l	
77) Bromobenzene	10.156	156	6055	0.710	ug/l	89
78) n-propylbenzene	10.287	91	18354	0.580	ug/l	91
79) 2-Chlorotoluene	10.358	91	11213	0.554	ug/l	96
80) 1,3,5-Trimethylbenzene	10.471	105	12170	0.539	ug/l	98
81) trans-1,4-Dichloro-2-b...	9.947	75	1834m	0.560	ug/l	
82) 4-Chlorotoluene	10.477	91	11818	0.522	ug/l	93
83) tert-Butylbenzene	10.789	119	14175	0.571	ug/l	96
84) 1,2,4-Trimethylbenzene	10.850	105	10687	0.486	ug/l	94
85) sec-Butylbenzene	11.014	105	16128	0.548	ug/l	98
86) p-Isopropyltoluene	11.168	119	15598	0.614	ug/l	90
87) 1,3-Dichlorobenzene	11.120	146	10382	0.635	ug/l	94
88) 1,4-Dichlorobenzene	11.197	146	13886m	0.779	ug/l	
89) n-Butylbenzene	11.590	91	13362	0.590	ug/l	94
90) Hexachloroethane	11.821	117	4935	0.780	ug/l	79
91) 1,2-Dichlorobenzene	11.580	146	9048	0.566	ug/l	93
92) 1,2-Dibromo-3-Chloropr...	12.371	75	2338	0.945	ug/l	60
93) 1,2,4-Trichlorobenzene	13.201	180	7143	0.704	ug/l	94
94) Hexachlorobutadiene	13.368	225	4511	0.833	ug/l	94
95) Naphthalene	13.445	128	12471	0.458	ug/l	98
96) 1,2,3-Trichlorobenzene	13.676	180	5756	0.550	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

