

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VW082525\
 Data File : VW039032.D
 Acq On : 25 Aug 2025 15:10
 Operator : SY/MD
 Sample : Q2893-07
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2025

Quant Time: Aug 26 03:47:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082525W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 26 03:46:33 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025
 Supervised By :Semsettin Yesilyurt 08/27/2025

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

Internal Standards						
1) Pentafluorobenzene	4.596	168	464356	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.529	114	854747	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	793256	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.175	152	365666	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.937	65	372260	55.582	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 111.160%			
35) Dibromofluoromethane	4.500	113	318416	51.729	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 103.460%			
50) Toluene-d8	7.236	98	1015209	46.580	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 93.160%			
62) 4-Bromofluorobenzene	10.001	95	348335	43.618	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 87.240%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.121	85	2074	0.334	ug/l	84
3) Chloromethane	1.230	50	2434	0.367	ug/l #	86
4) Vinyl Chloride	1.294	62	2635	0.341	ug/l #	67
5) Bromomethane	1.500	94	2389	0.615	ug/l	97
6) Chloroethane	1.558	64	1439m	0.307	ug/l	
7) Trichlorofluoromethane	1.725	101	3701	0.333	ug/l	95
8) Diethyl Ether	1.921	74	1308	0.310	ug/l	82
9) 1,1,2-Trichlorotrifluo...	2.085	101	2561	0.382	ug/l	99
10) Methyl Iodide	2.207	142	4257	0.864	ug/l	97
11) Tert butyl alcohol	2.577	59	2071m	1.723	ug/l	
12) 1,1-Dichloroethene	2.082	96	2743	0.428	ug/l #	73
13) Acrolein	2.011	56	1496	2.756	ug/l #	23
14) Allyl chloride	2.359	41	3619m	0.358	ug/l	
15) Acrylonitrile	2.719	53	4716m	1.315	ug/l	
16) Acetone	2.121	43	7939	1.877	ug/l	96
17) Carbon Disulfide	2.252	76	9427	0.529	ug/l	98
18) Methyl Acetate	2.410	43	2988m	0.356	ug/l	
19) Methyl tert-butyl Ether	2.719	73	5173m	0.274	ug/l	
20) Methylene Chloride	2.465	84	5115	0.740	ug/l #	92
21) trans-1,2-Dichloroethene	2.712	96	2306	0.359	ug/l	95
22) Diisopropyl ether	3.227	45	4665m	0.254	ug/l	
23) Vinyl Acetate	3.268	43	17989m	1.181	ug/l	
24) 1,1-Dichloroethane	3.124	63	4047m	0.352	ug/l	
25) 2-Butanone	4.008	43	5722m	1.235	ug/l	
26) 2,2-Dichloropropane	3.815	77	3118m	0.315	ug/l	
27) cis-1,2-Dichloroethene	3.850	96	2262m	0.317	ug/l	
28) Bromochloromethane	4.185	49	1462m	0.469	ug/l	
29) Tetrahydrofuran	4.301	42	4563m	1.558	ug/l	
30) Chloroform	4.294	83	4163m	0.348	ug/l	
31) Cyclohexane	4.590	56	12274	1.205	ug/l #	2
32) 1,1,1-Trichloroethane	4.513	97	3366m	0.319	ug/l	
36) 1,1-Dichloropropene	4.764	75	3183m	0.385	ug/l	
37) Ethyl Acetate	4.008	43	4207m	0.433	ug/l	
38) Carbon Tetrachloride	4.731	117	4934m	0.498	ug/l	
39) Methylcyclohexane	6.043	83	3917m	0.369	ug/l	
40) Benzene	5.034	78	8248m	0.312	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.272	41	649m	0.208	ug/l	
42) 1,2-Dichloroethane	5.085	62	2874m	0.312	ug/l	
43) Isopropyl Acetate	5.278	43	4623m	0.335	ug/l	
44) Trichloroethene	5.854	130	2171	0.327	ug/l	99
45) 1,2-Dichloropropane	6.120	63	1688m	0.251	ug/l	
46) Dibromomethane	6.268	93	1201m	0.236	ug/l	
47) Bromodichloromethane	6.448	83	2886	0.275	ug/l #	98
48) Methyl methacrylate	6.313	41	749m	0.111	ug/l	
49) 1,4-Dioxane	6.278	88	47	0.412	ug/l #	1
51) 4-Methyl-2-Pentanone	7.165	43	14255m	1.467	ug/l	
52) Toluene	7.320	92	4968	0.295	ug/l	100
53) t-1,3-Dichloropropene	7.628	75	3081m	0.306	ug/l	
54) cis-1,3-Dichloropropene	6.992	75	2585	0.239	ug/l #	79
55) 1,1,2-Trichloroethane	7.789	97	2704m	0.384	ug/l	
56) Ethyl methacrylate	7.783	69	2407m	0.258	ug/l	
57) 1,3-Dichloropropane	7.960	76	2850	0.251	ug/l #	78
58) 2-Chloroethyl Vinyl ether	6.902	63	3434m	0.735	ug/l	
59) 2-Hexanone	8.136	43	13743m	1.906	ug/l	
60) Dibromochloromethane	8.181	129	2704	0.332	ug/l	87
61) 1,2-Dibromoethane	8.291	107	2433m	0.335	ug/l	
64) Tetrachloroethene	7.899	164	1912	0.339	ug/l #	73
65) Chlorobenzene	8.812	112	6444	0.339	ug/l	93
66) 1,1,1,2-Tetrachloroethane	8.902	131	1707	0.258	ug/l #	57
67) Ethyl Benzene	8.956	91	8173	0.272	ug/l #	85
68) m/p-Xylenes	9.085	106	5346	0.463	ug/l	83
69) o-Xylene	9.487	106	2478	0.234	ug/l	98
70) Styrene	9.548	104	4049m	0.217	ug/l	
71) Bromoform	9.664	173	1785	0.333	ug/l #	99
73) Isopropylbenzene	9.866	105	6677	0.261	ug/l	94
74) N-amyl acetate	9.773	43	2729m	0.259	ug/l	
75) 1,1,2,2-Tetrachloroethane	10.181	83	3645	0.361	ug/l	90
76) 1,2,3-Trichloropropane	10.204	75	1408m	0.196	ug/l	
77) Bromobenzene	10.159	156	2139	0.337	ug/l	95
78) n-propylbenzene	10.294	91	8957	0.296	ug/l	97
79) 2-Chlorotoluene	10.365	91	5612	0.301	ug/l	98
80) 1,3,5-Trimethylbenzene	10.474	105	5616	0.267	ug/l	92
81) trans-1,4-Dichloro-2-b...	9.947	75	830m	0.254	ug/l	
82) 4-Chlorotoluene	10.490	91	5355	0.252	ug/l	85
83) tert-Butylbenzene	10.796	119	5406	0.253	ug/l	85
84) 1,2,4-Trimethylbenzene	10.857	105	5213	0.253	ug/l	89
85) sec-Butylbenzene	11.017	105	7457	0.265	ug/l	96
86) p-Isopropyltoluene	11.175	119	6669	0.284	ug/l #	77
87) 1,3-Dichlorobenzene	11.123	146	4848	0.382	ug/l	96
88) 1,4-Dichlorobenzene	11.197	146	5439m	0.398	ug/l	
89) n-Butylbenzene	11.596	91	6277	0.277	ug/l	86
90) Hexachloroethane	11.824	117	1808	0.345	ug/l	67
91) 1,2-Dichlorobenzene	11.590	146	3966m	0.322	ug/l	
92) 1,2-Dibromo-3-Chloropr...	12.368	75	840m	0.383	ug/l	
93) 1,2,4-Trichlorobenzene	13.207	180	2605	0.365	ug/l	74
94) Hexachlorobutadiene	13.368	225	1191	0.357	ug/l	87
95) Naphthalene	13.458	128	6850	0.277	ug/l #	93
96) 1,2,3-Trichlorobenzene	13.686	180	2263	0.313	ug/l	78

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

