

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VW111325\
 Data File : VW039380.D
 Acq On : 13 Nov 2025 14:11
 Operator : SY/MD
 Sample : Q3530-09
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-03-QT4-2025

Quant Time: Nov 14 05:49:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V111125W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 14 05:49:16 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	735773	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.529	114	1130151	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	1073700	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	569720	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.937	65	535220	58.964	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 117.920%			
35) Dibromofluoromethane	4.500	113	460185	53.089	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 106.180%			
50) Toluene-d8	7.233	98	1338273	46.720	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 93.440%			
62) 4-Bromofluorobenzene	10.001	95	488088	44.345	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 88.680%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.124	85	2177	0.496	ug/l	85
3) Chloromethane	1.230	50	2409m	0.588	ug/l	
4) Vinyl Chloride	1.304	62	2085	0.412	ug/l #	80
5) Bromomethane	1.500	94	2281	0.758	ug/l #	66
6) Chloroethane	1.558	64	1034	0.277	ug/l	91
7) Trichlorofluoromethane	1.732	101	2978	0.289	ug/l	94
8) Diethyl Ether	1.918	74	2070	0.527	ug/l	58
9) 1,1,2-Trichlorotrifluo...	2.079	101	2677	0.395	ug/l #	69
10) Methyl Iodide	2.198	142	3106	0.745	ug/l	93
11) Tert butyl alcohol	2.587	59	3003m	3.088	ug/l	
12) 1,1-Dichloroethene	2.089	96	2237	0.418	ug/l #	70
13) Acrolein	2.024	56	1731m	18.974	ug/l	
14) Allyl chloride	2.362	41	2648	0.277	ug/l #	62
15) Acrylonitrile	2.674	53	491	0.130	ug/l #	52
16) Acetone	2.124	43	13495	2.810	ug/l #	85
17) Carbon Disulfide	2.253	76	4053	0.479	ug/l #	77
18) Methyl Acetate	2.407	43	3504m	0.273	ug/l	
19) Methyl tert-butyl Ether	2.716	73	6510	0.323	ug/l	94
20) Methylene Chloride	2.462	84	3781	0.510	ug/l #	77
21) trans-1,2-Dichloroethene	2.722	96	2396	0.451	ug/l #	59
22) Diisopropyl ether	3.224	45	3866	0.186	ug/l #	23
23) Vinyl Acetate	3.269	43	21180m	1.446	ug/l	
24) 1,1-Dichloroethane	3.127	63	4350m	0.345	ug/l	
25) 2-Butanone	4.040	43	9065m	1.809	ug/l	
26) 2,2-Dichloropropane	3.828	77	4092m	0.386	ug/l	
27) cis-1,2-Dichloroethene	3.873	96	3182m	0.441	ug/l	
28) Bromochloromethane	4.172	49	3133m	0.568	ug/l	
29) Tetrahydrofuran	4.301	42	6406m	2.284	ug/l	
30) Chloroform	4.288	83	4939m	0.355	ug/l	
31) Cyclohexane	4.593	56	12385	1.569	ug/l #	2
32) 1,1,1-Trichloroethane	4.519	97	4103	0.352	ug/l #	33
36) 1,1-Dichloropropene	4.773	75	3763m	0.504	ug/l	
37) Ethyl Acetate	4.040	43	7436m	0.648	ug/l	
38) Carbon Tetrachloride	4.738	117	5869m	0.529	ug/l	
39) Methylcyclohexane	6.040	83	3601m	0.453	ug/l	
40) Benzene	5.037	78	5602	0.215	ug/l #	77

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 Quant Title : SW846 8260
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.249	41	2548m	0.622	ug/l	
42) 1,2-Dichloroethane	5.056	62	4536m	0.446	ug/l	
43) Isopropyl Acetate	5.278	43	5764m	0.377	ug/l	
44) Trichloroethene	5.854	130	2315	0.327	ug/l	53
45) 1,2-Dichloropropane	6.133	63	2954m	0.418	ug/l	
46) Dibromomethane	6.259	93	2794m	0.492	ug/l	
47) Bromodichloromethane	6.442	83	2904	0.236	ug/l #	56
48) Methyl methacrylate	6.362	41	3174m	0.446	ug/l	
49) 1,4-Dioxane	6.497	88	3341m	30.482	ug/l	
51) 4-Methyl-2-Pentanone	7.169	43	9277	0.888	ug/l	96
52) Toluene	7.320	92	5477	0.335	ug/l	82
53) t-1,3-Dichloropropene	7.622	75	4408m	0.416	ug/l	
54) cis-1,3-Dichloropropene	6.976	75	3759m	0.334	ug/l	
55) 1,1,2-Trichloroethane	7.783	97	2903m	0.350	ug/l	
56) Ethyl methacrylate	7.805	69	3239m	0.324	ug/l	
57) 1,3-Dichloropropane	7.956	76	5975m	0.469	ug/l	
58) 2-Chloroethyl Vinyl ether	6.889	63	5263m	1.850	ug/l	
59) 2-Hexanone	8.124	43	5506m	0.738	ug/l	
60) Dibromochloromethane	8.175	129	3776	0.356	ug/l	84
61) 1,2-Dibromoethane	8.304	107	2421m	0.300	ug/l	
64) Tetrachloroethene	7.908	164	2091	0.315	ug/l #	75
65) Chlorobenzene	8.809	112	7203	0.337	ug/l	100
66) 1,1,1,2-Tetrachloroethane	8.905	131	3377	0.379	ug/l #	65
67) Ethyl Benzene	8.950	91	7663	0.248	ug/l	94
68) m/p-Xylenes	9.079	106	5423	0.464	ug/l	98
69) o-Xylene	9.481	106	2606	0.236	ug/l	79
70) Styrene	9.545	104	5367m	0.272	ug/l	
71) Bromoform	9.667	173	3395	0.410	ug/l #	83
73) Isopropylbenzene	9.863	105	7083	0.255	ug/l	84
74) N-amyl acetate	9.776	43	3329m	0.305	ug/l	
75) 1,1,2,2-Tetrachloroethane	10.175	83	4877	0.403	ug/l	86
76) 1,2,3-Trichloropropane	10.207	75	2783m	0.315	ug/l	
77) Bromobenzene	10.156	156	2956	0.344	ug/l	84
78) n-propylbenzene	10.291	91	9204	0.289	ug/l	89
79) 2-Chlorotoluene	10.362	91	5273	0.258	ug/l	98
80) 1,3,5-Trimethylbenzene	10.474	105	6042	0.266	ug/l	98
81) trans-1,4-Dichloro-2-b...	9.960	75	1454m	0.441	ug/l	
82) 4-Chlorotoluene	10.493	91	6721	0.295	ug/l	94
83) tert-Butylbenzene	10.792	119	6417	0.257	ug/l	81
84) 1,2,4-Trimethylbenzene	10.853	105	5663	0.256	ug/l	91
85) sec-Butylbenzene	11.017	105	7949	0.268	ug/l	93
86) p-Isopropyltoluene	11.172	119	7287	0.285	ug/l #	57
87) 1,3-Dichlorobenzene	11.124	146	5393	0.327	ug/l	92
88) 1,4-Dichlorobenzene	11.198	146	6832m	0.380	ug/l	
89) n-Butylbenzene	11.596	91	5033	0.221	ug/l	80
90) Hexachloroethane	11.818	117	2793m	0.438	ug/l	
91) 1,2-Dichlorobenzene	11.583	146	5135m	0.319	ug/l	
92) 1,2-Dibromo-3-Chloropr...	12.368	75	3630m	1.457	ug/l	
93) 1,2,4-Trichlorobenzene	13.201	180	4230m	0.414	ug/l	
94) Hexachlorobutadiene	13.374	225	2562	0.470	ug/l	92
95) Naphthalene	13.458	128	8637m	0.315	ug/l	
96) 1,2,3-Trichlorobenzene	13.677	180	3072	0.291	ug/l	92

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

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