

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VW070325\
 Data File : VW038859.D
 Acq On : 03 Jul 2025 14:16
 Operator : SY/MD
 Sample : MDL02
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL02

Quant Time: Jul 04 04:07:00 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V070225W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 04 04:06:04 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/07/2025
 Supervised By :Semsettin Yesilyurt 07/07/2025

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

Internal Standards						
1) Pentafluorobenzene	4.603	168	423675	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	742703	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	691853	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.175	152	331811	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.941	65	260919	54.950	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 109.900%			
35) Dibromofluoromethane	4.503	113	237649	50.516	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 101.040%			
50) Toluene-d8	7.236	98	681239	44.757	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 89.520%			
62) 4-Bromofluorobenzene	10.002	95	255664	41.575	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 83.160%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.121	85	2637	0.656	ug/l	95
3) Chloromethane	1.230	50	3977	0.806	ug/l	99
4) Vinyl Chloride	1.294	62	3660	0.798	ug/l	92
5) Bromomethane	1.500	94	3325	1.187	ug/l #	72
6) Chloroethane	1.561	64	2304	0.749	ug/l	89
7) Trichlorofluoromethane	1.729	101	4984	0.614	ug/l	86
8) Diethyl Ether	1.918	74	2263	0.801	ug/l	76
9) 1,1,2-Trichlorotrifluo...	2.082	101	3056	0.666	ug/l #	91
10) Methyl Iodide	2.198	142	2164	0.372	ug/l	95
11) Tert butyl alcohol	2.584	59	2207m	3.561	ug/l	
12) 1,1-Dichloroethene	2.082	96	3105	0.712	ug/l #	66
13) Acrolein	2.002	56	622m	4.019	ug/l	
14) Allyl chloride	2.365	41	4552	0.776	ug/l #	87
15) Acrylonitrile	2.709	53	7328m	3.380	ug/l	
16) Acetone	2.124	43	7392	4.672	ug/l #	84
17) Carbon Disulfide	2.253	76	8191	0.810	ug/l	96
18) Methyl Acetate	2.413	43	4347m	0.806	ug/l	
19) Methyl tert-butyl Ether	2.712	73	8827	0.654	ug/l	99
20) Methylene Chloride	2.458	84	4524	0.865	ug/l	87
21) trans-1,2-Dichloroethene	2.712	96	3055	0.700	ug/l	96
22) Diisopropyl ether	3.220	45	6854m	0.570	ug/l	
23) Vinyl Acetate	3.249	43	21339m	2.460	ug/l	
24) 1,1-Dichloroethane	3.127	63	5362	0.661	ug/l #	89
25) 2-Butanone	4.002	43	5510m	2.355	ug/l	
26) 2,2-Dichloropropane	3.809	77	5688m	0.757	ug/l	
27) cis-1,2-Dichloroethene	3.864	96	3160m	0.621	ug/l	
28) Bromochloromethane	4.172	49	2026m	0.585	ug/l	
29) Tetrahydrofuran	4.275	42	4182m	2.639	ug/l	
30) Chloroform	4.291	83	5547	0.628	ug/l	90
31) Cyclohexane	4.593	56	12213	1.902	ug/l #	22
32) 1,1,1-Trichloroethane	4.513	97	4896	0.597	ug/l #	42
36) 1,1-Dichloropropene	4.777	75	4983m	0.873	ug/l	
37) Ethyl Acetate	4.002	43	3577m	0.614	ug/l	
38) Carbon Tetrachloride	4.738	117	5468m	0.728	ug/l	
39) Methylcyclohexane	6.050	83	4521	0.606	ug/l #	84
40) Benzene	5.034	78	10286	0.546	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,2-Dichloroethane	5.072	62	4652	0.697	ug/l	79
43) Isopropyl Acetate	5.262	43	6027m	0.649	ug/l	
44) Trichloroethene	5.870	130	3430m	0.697	ug/l	
45) 1,2-Dichloropropane	6.105	63	3054m	0.645	ug/l	
46) Dibromomethane	6.252	93	2269m	0.608	ug/l	
47) Bromodichloromethane	6.442	83	4660	0.589	ug/l	90
48) Methyl methacrylate	6.423	41	2822m	0.639	ug/l	
51) 4-Methyl-2-Pentanone	7.169	43	11386	1.942	ug/l	98
52) Toluene	7.323	92	7186m	0.610	ug/l	
53) t-1,3-Dichloropropene	7.616	75	3704m	0.489	ug/l	
54) cis-1,3-Dichloropropene	6.976	75	4285	0.554	ug/l	93
55) 1,1,2-Trichloroethane	7.786	97	3817	0.741	ug/l #	85
56) Ethyl methacrylate	7.767	69	3062m	0.452	ug/l	
57) 1,3-Dichloropropane	7.953	76	4333	0.534	ug/l	90
58) 2-Chloroethyl Vinyl ether	6.854	63	7403m	2.406	ug/l	
59) 2-Hexanone	8.121	43	11898m	2.877	ug/l	
60) Dibromochloromethane	8.178	129	3819	0.589	ug/l	91
61) 1,2-Dibromoethane	8.294	107	2592	0.486	ug/l	84
64) Tetrachloroethene	7.912	164	2879	0.647	ug/l #	82
65) Chlorobenzene	8.809	112	9615	0.659	ug/l	91
66) 1,1,1,2-Tetrachloroethane	8.905	131	2828	0.519	ug/l #	61
67) Ethyl Benzene	8.957	91	11693	0.512	ug/l	94
68) m/p-Xylenes	9.079	106	8361	0.956	ug/l	98
69) o-Xylene	9.481	106	3994	0.478	ug/l	97
70) Styrene	9.522	104	6077m	0.416	ug/l	
71) Bromoform	9.667	173	2657	0.601	ug/l #	99
73) Isopropylbenzene	9.863	105	10371	0.533	ug/l	94
74) N-amyl acetate	9.767	43	3504m	0.514	ug/l	
75) 1,1,2,2-Tetrachloroethane	10.175	83	4913	0.696	ug/l	96
76) 1,2,3-Trichloropropane	10.211	75	3070m	0.598	ug/l	
77) Bromobenzene	10.159	156	3590	0.715	ug/l	95
78) n-propylbenzene	10.291	91	12647	0.546	ug/l	99
79) 2-Chlorotoluene	10.358	91	8891	0.632	ug/l	95
80) 1,3,5-Trimethylbenzene	10.474	105	8465	0.508	ug/l	95
81) trans-1,4-Dichloro-2-b...	9.940	75	1438m	0.596	ug/l	
82) 4-Chlorotoluene	10.481	91	8897	0.548	ug/l	84
83) tert-Butylbenzene	10.792	119	9585	0.555	ug/l	98
84) 1,2,4-Trimethylbenzene	10.854	105	8673	0.531	ug/l	95
85) sec-Butylbenzene	11.018	105	10984	0.500	ug/l	91
86) p-Isopropyltoluene	11.175	119	10028	0.532	ug/l	84
87) 1,3-Dichlorobenzene	11.124	146	6026	0.590	ug/l	99
88) 1,4-Dichlorobenzene	11.201	146	7058m	0.656	ug/l	
89) n-Butylbenzene	11.593	91	9516	0.545	ug/l	87
90) Hexachloroethane	11.821	117	2306	0.564	ug/l	76
91) 1,2-Dichlorobenzene	11.583	146	5500	0.571	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	12.371	75	1023m	0.684	ug/l	
93) 1,2,4-Trichlorobenzene	13.201	180	3005	0.482	ug/l	93
94) Hexachlorobutadiene	13.371	225	1915	0.636	ug/l	89
95) Naphthalene	13.448	128	8838	0.445	ug/l #	91
96) 1,2,3-Trichlorobenzene	13.683	180	2825	0.439	ug/l	84

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