

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VW071625\
 Data File : VW038911.D
 Acq On : 16 Jul 2025 16:25
 Operator : SY/MD
 Sample : MDL04
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

Quant Time: Jul 17 06:20:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V071125W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 17 06:08:37 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025
 Supervised By :Semsettin Yesilyurt 07/17/2025

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

Internal Standards						
1) Pentafluorobenzene	4.600	168	694731	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	1253726	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	1113002	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.175	152	480572	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.940	65	476580	56.145	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 112.280%			
35) Dibromofluoromethane	4.503	113	401289	46.946	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 93.900%			
50) Toluene-d8	7.236	98	1397237	54.077	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 108.160%			
62) 4-Bromofluorobenzene	10.001	95	478889	46.010	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 92.020%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.121	85	2199	0.360	ug/l	96
3) Chloromethane	1.227	50	2822	0.428	ug/l	96
4) Vinyl Chloride	1.298	62	2576	0.341	ug/l	97
5) Bromomethane	1.497	94	3377	0.597	ug/l	91
6) Chloroethane	1.561	64	1912	0.379	ug/l #	75
7) Trichlorofluoromethane	1.725	101	4741	0.355	ug/l	92
8) Diethyl Ether	1.918	74	1802	0.375	ug/l	88
9) 1,1,2-Trichlorotrifluo...	2.076	101	2855	0.358	ug/l	91
10) Methyl Iodide	2.198	142	2955	0.322	ug/l #	86
11) Tert butyl alcohol	2.580	59	3785	1.937	ug/l	98
12) 1,1-Dichloroethene	2.085	96	3536	0.486	ug/l #	71
13) Acrolein	2.008	56	370	1.309	ug/l #	54
14) Allyl chloride	2.359	41	4779	0.412	ug/l #	83
15) Acrylonitrile	2.680	53	9408	1.881	ug/l #	94
16) Acetone	2.127	43	8886	2.419	ug/l	98
17) Carbon Disulfide	2.252	76	6470	0.426	ug/l	99
18) Methyl Acetate	2.384	43	4013	0.323	ug/l #	85
19) Methyl tert-butyl Ether	2.715	73	9951	0.365	ug/l	97
20) Methylene Chloride	2.455	84	4441	0.477	ug/l #	78
21) trans-1,2-Dichloroethene	2.706	96	3263	0.422	ug/l #	73
22) Diisopropyl ether	3.223	45	6013	0.260	ug/l #	73
23) Vinyl Acetate	3.204	43	21554	1.187	ug/l	95
24) 1,1-Dichloroethane	3.121	63	5518	0.364	ug/l #	90
25) 2-Butanone	3.947	43	13191m	2.506	ug/l	
26) 2,2-Dichloropropane	3.815	77	3818m	0.288	ug/l	
27) cis-1,2-Dichloroethene	3.834	96	2937	0.331	ug/l	91
28) Bromochloromethane	4.159	49	3514m	0.599	ug/l	
29) Tetrahydrofuran	4.268	42	7732m	2.228	ug/l	
30) Chloroform	4.294	83	6210	0.371	ug/l #	82
31) Cyclohexane	4.603	56	18396m	1.848	ug/l	
32) 1,1,1-Trichloroethane	4.510	97	4461	0.306	ug/l #	34
36) 1,1-Dichloropropene	4.764	75	5028m	0.512	ug/l	
37) Ethyl Acetate	3.947	43	5543	0.479	ug/l #	68
38) Carbon Tetrachloride	4.735	117	4175m	0.320	ug/l	
39) Methylcyclohexane	6.047	83	3891m	0.336	ug/l	
40) Benzene	5.034	78	10192	0.306	ug/l	96

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Quant Time: Jul 17 06:20:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V071125W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 17 06:08:37 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025
 Supervised By :Semsettin Yesilyurt 07/17/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.220	41	598m	0.113	ug/l	
42) 1,2-Dichloroethane	5.053	62	5874m	0.463	ug/l	
43) Isopropyl Acetate	5.233	43	6317m	0.345	ug/l	
44) Trichloroethene	5.847	130	3306m	0.380	ug/l	
45) 1,2-Dichloropropane	6.114	63	2948m	0.335	ug/l	
46) Dibromomethane	6.249	93	1962m	0.288	ug/l	
47) Bromodichloromethane	6.452	83	4144	0.287	ug/l #	91
48) Methyl methacrylate	6.378	41	3773m	0.475	ug/l	
49) 1,4-Dioxane	6.342	88	1064m	6.221	ug/l	
51) 4-Methyl-2-Pentanone	7.169	43	12770	1.025	ug/l	100
52) Toluene	7.329	92	6007	0.286	ug/l	99
53) t-1,3-Dichloropropene	7.622	75	3506m	0.268	ug/l	
54) cis-1,3-Dichloropropene	6.982	75	3301	0.234	ug/l	98
55) 1,1,2-Trichloroethane	7.783	97	3408	0.340	ug/l	94
56) Ethyl methacrylate	7.780	69	3357m	0.282	ug/l	
57) 1,3-Dichloropropane	7.963	76	4658m	0.310	ug/l	
58) 2-Chloroethyl Vinyl ether	6.854	63	8284m	1.152	ug/l	
59) 2-Hexanone	8.117	43	9716m	1.048	ug/l	
60) Dibromochloromethane	8.181	129	3452	0.292	ug/l	94
61) 1,2-Dibromoethane	8.297	107	2751	0.272	ug/l	96
64) Tetrachloroethene	7.908	164	2523	0.346	ug/l #	81
65) Chlorobenzene	8.805	112	8508	0.350	ug/l	97
66) 1,1,1,2-Tetrachloroethane	8.902	131	2874	0.296	ug/l #	63
67) Ethyl Benzene	8.953	91	9704	0.269	ug/l #	85
68) m/p-Xylenes	9.082	106	6276	0.446	ug/l	97
69) o-Xylene	9.484	106	3929	0.296	ug/l	82
70) Styrene	9.525	104	6123m	0.261	ug/l	
71) Bromoform	9.667	173	2713	0.344	ug/l #	94
73) Isopropylbenzene	9.866	105	8307	0.289	ug/l	96
74) N-amyl acetate	9.763	43	4004m	0.381	ug/l	
75) 1,1,2,2-Tetrachloroethane	10.175	83	5097	0.424	ug/l	98
76) 1,2,3-Trichloropropane	10.210	75	3530m	0.395	ug/l	
77) Bromobenzene	10.156	156	3355	0.445	ug/l	88
78) n-propylbenzene	10.291	91	11524	0.343	ug/l	99
79) 2-Chlorotoluene	10.361	91	8121m	0.380	ug/l	
80) 1,3,5-Trimethylbenzene	10.474	105	7799	0.322	ug/l	91
81) trans-1,4-Dichloro-2-b...	9.947	75	986m	0.269	ug/l	
82) 4-Chlorotoluene	10.484	91	8301m	0.348	ug/l	
83) tert-Butylbenzene	10.796	119	7950	0.313	ug/l	93
84) 1,2,4-Trimethylbenzene	10.853	105	6850	0.287	ug/l	97
85) sec-Butylbenzene	11.021	105	9310	0.287	ug/l	94
86) p-Isopropyltoluene	11.175	119	8614	0.313	ug/l #	73
87) 1,3-Dichlorobenzene	11.123	146	4920	0.320	ug/l	93
88) 1,4-Dichlorobenzene	11.201	146	7448m	0.445	ug/l	
89) n-Butylbenzene	11.593	91	6772	0.270	ug/l #	90
90) Hexachloroethane	11.824	117	2449	0.374	ug/l	82
91) 1,2-Dichlorobenzene	11.586	146	5230	0.350	ug/l	85
92) 1,2-Dibromo-3-Chloropr...	12.374	75	1078m	0.396	ug/l	
93) 1,2,4-Trichlorobenzene	13.207	180	2875	0.326	ug/l	75
94) Hexachlorobutadiene	13.371	225	1688	0.372	ug/l	88
95) Naphthalene	13.448	128	8662	0.299	ug/l #	83
96) 1,2,3-Trichlorobenzene	13.680	180	2651	0.290	ug/l	94

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Supervised By :Semsettin Yesilyurt 07/17/2025

Quant Time: Jul 17 06:20:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V071125W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 06:08:37 2025
Response via : Initial Calibration

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

