

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070225\
 Data File : VW031755.D
 Acq On : 02 Jul 2025 13:22
 Operator : SY/MD
 Sample : MDL05
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL05

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/03/2025
 Supervised By :Semsettin Yesilyurt 07/03/2025

Quant Time: Jul 03 06:18:00 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 06:15:34 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	218176	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	400625	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	358413	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	169962	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	169859	54.249	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 108.500%			
35) Dibromofluoromethane	7.904	113	138395	52.939	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 105.880%			
50) Toluene-d8	10.331	98	497751	51.163	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 102.320%			
62) 4-Bromofluorobenzene	12.617	95	186907	52.206	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 104.420%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.052	85	3732	2.512	ug/l	100
3) Chloromethane	2.253	50	5677	3.169	ug/l	95
4) Vinyl Chloride	2.405	62	5563	2.363	ug/l	93
5) Bromomethane	2.832	94	4926	2.679	ug/l	92
6) Chloroethane	2.972	64	4111	2.570	ug/l	97
7) Trichlorofluoromethane	3.301	101	5016	2.346	ug/l	90
8) Diethyl Ether	3.722	74	6534	4.021	ug/l	88
9) 1,1,2-Trichlorotrifluo...	4.106	101	6627	2.792	ug/l	96
10) Methyl Iodide	4.307	142	9063	2.477	ug/l	96
11) Tert butyl alcohol	5.228	59	2707	13.955	ug/l #	88
12) 1,1-Dichloroethene	4.076	96	6897	2.653	ug/l	92
13) Acrolein	3.942	56	1505	4.317	ug/l	95
14) Allyl chloride	4.704	41	10664	2.674	ug/l	92
15) Acrylonitrile	5.417	53	10579	13.240	ug/l	97
16) Acetone	4.167	43	11570	14.950	ug/l	99
17) Carbon Disulfide	4.429	76	15488	2.226	ug/l	98
18) Methyl Acetate	4.716	43	7430	3.359	ug/l	100
19) Methyl tert-butyl Ether	5.460	73	11174	2.532	ug/l #	84
20) Methylene Chloride	4.954	84	27922	7.856	ug/l	96
21) trans-1,2-Dichloroethene	5.454	96	6963	2.521	ug/l	91
22) Diisopropyl ether	6.338	45	19273	2.477	ug/l #	90
23) Vinyl Acetate	6.289	43	57235	10.771	ug/l	96
24) 1,1-Dichloroethane	6.246	63	13626	2.702	ug/l	98
25) 2-Butanone	7.197	43	12634	12.548	ug/l	95
26) 2,2-Dichloropropane	7.185	77	7331	2.491	ug/l	97
27) cis-1,2-Dichloroethene	7.197	96	7746	2.439	ug/l	96
28) Bromochloromethane	7.532	49	6028	2.708	ug/l	99
29) Tetrahydrofuran	7.557	42	8701	12.619	ug/l	94
30) Chloroform	7.697	83	13841	2.583	ug/l	99
31) Cyclohexane	7.971	56	15238	3.418	ug/l #	66
32) 1,1,1-Trichloroethane	7.886	97	10848	2.627	ug/l	97
36) 1,1-Dichloropropene	8.099	75	9536	2.521	ug/l	96
37) Ethyl Acetate	7.282	43	6398m	2.681	ug/l	
38) Carbon Tetrachloride	8.087	117	9389	2.436	ug/l	93
39) Methylcyclohexane	9.343	83	11437	2.430	ug/l	95
40) Benzene	8.337	78	28184	2.518	ug/l	99

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Reviewed By :Mahesh Dadoda 07/03/2025
 Supervised By :Semsettin Yesilyurt 07/03/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	3153	2.466	ug/l	94
42) 1,2-Dichloroethane	8.416	62	10078	2.665	ug/l	95
43) Isopropyl Acetate	8.441	43	10300	2.504	ug/l	100
44) Trichloroethene	9.105	130	7184	2.572	ug/l	96
45) 1,2-Dichloropropane	9.374	63	7061	2.610	ug/l	97
46) Dibromomethane	9.465	93	4648	2.662	ug/l	98
47) Bromodichloromethane	9.648	83	10007	2.444	ug/l	98
48) Methyl methacrylate	9.447	41	4352	2.152	ug/l	92
49) 1,4-Dioxane	9.477	88	804	39.308	ug/l #	90
51) 4-Methyl-2-Pentanone	10.215	43	28230	11.937	ug/l	100
52) Toluene	10.392	92	18629	2.600	ug/l	94
53) t-1,3-Dichloropropene	10.611	75	8658	2.253	ug/l	96
54) cis-1,3-Dichloropropene	10.075	75	9848	2.261	ug/l	98
55) 1,1,2-Trichloroethane	10.788	97	5784	2.528	ug/l #	93
56) Ethyl methacrylate	10.648	69	7061	2.275	ug/l	97
57) 1,3-Dichloropropane	10.934	76	10251	2.552	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.928	63	18860	11.036	ug/l	99
59) 2-Hexanone	10.971	43	19192	11.976	ug/l	96
60) Dibromochloromethane	11.129	129	6435	2.352	ug/l	96
61) 1,2-Dibromoethane	11.239	107	6010	2.624	ug/l	92
64) Tetrachloroethene	10.867	164	5390	2.299	ug/l #	90
65) Chlorobenzene	11.660	112	20103	2.542	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.733	131	6092	2.417	ug/l	93
67) Ethyl Benzene	11.727	91	32943	2.402	ug/l	95
68) m/p-Xylenes	11.837	106	23902	4.534	ug/l	98
69) o-Xylene	12.166	106	11193	2.293	ug/l	97
70) Styrene	12.178	104	18859	2.235	ug/l	96
71) Bromoform	12.349	173	3669	2.441	ug/l #	95
73) Isopropylbenzene	12.458	105	28688	2.219	ug/l	98
74) N-amyl acetate	12.275	43	8055	2.312	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.714	83	7444	2.594	ug/l	100
76) 1,2,3-Trichloropropane	12.763	75	6908m	3.145	ug/l	
77) Bromobenzene	12.745	156	7539	2.615	ug/l	87
78) n-propylbenzene	12.800	91	36750	2.374	ug/l	99
79) 2-Chlorotoluene	12.891	91	23442	2.515	ug/l	98
80) 1,3,5-Trimethylbenzene	12.940	105	24768	2.314	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.513	75	2060m	2.185	ug/l	
82) 4-Chlorotoluene	12.983	91	23572	2.408	ug/l	100
83) tert-Butylbenzene	13.202	119	20358	2.221	ug/l	97
84) 1,2,4-Trimethylbenzene	13.245	105	24808	2.288	ug/l	100
85) sec-Butylbenzene	13.379	105	31389	2.281	ug/l	99
86) p-Isopropyltoluene	13.495	119	24980	2.203	ug/l	97
87) 1,3-Dichlorobenzene	13.495	146	15119	2.615	ug/l	98
88) 1,4-Dichlorobenzene	13.574	146	15435	2.608	ug/l	82
89) n-Butylbenzene	13.818	91	26143	2.373	ug/l	95
90) Hexachloroethane	14.086	117	5306	2.594	ug/l	93
91) 1,2-Dichlorobenzene	13.867	146	13027	2.465	ug/l	92
92) 1,2-Dibromo-3-Chloropr...	14.482	75	1412	2.520	ug/l	95
93) 1,2,4-Trichlorobenzene	15.129	180	7991	2.452	ug/l	97
94) Hexachlorobutadiene	15.226	225	4299	2.731	ug/l	92
95) Naphthalene	15.360	128	17775	2.224	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	7236	2.416	ug/l	95

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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

