

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070225\
 Data File : VW031754.D
 Acq On : 02 Jul 2025 13:00
 Operator : SY/MD
 Sample : MDL04
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL04

Manual Integrations
 APPROVED

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

Quant Time: Jul 03 06:16:52 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	7.965	168	213104	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	402196	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	352706	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	168786	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	161379	52.768	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 105.540%			
35) Dibromofluoromethane	7.898	113	132512	50.490	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 100.980%			
50) Toluene-d8	10.325	98	480196	49.166	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 98.340%			
62) 4-Bromofluorobenzene	12.617	95	179932	50.062	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 100.120%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.046	85	3760	2.591	ug/l	81
3) Chloromethane	2.259	50	5222	2.984	ug/l	100
4) Vinyl Chloride	2.399	62	5905	2.568	ug/l #	84
5) Bromomethane	2.826	94	4748	2.643	ug/l	93
6) Chloroethane	2.966	64	4402	2.818	ug/l	90
7) Trichlorofluoromethane	3.308	101	5569	2.666	ug/l	90
8) Diethyl Ether	3.722	74	6120	3.856	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.106	101	6705	2.892	ug/l	99
10) Methyl Iodide	4.314	142	9302	2.603	ug/l	94
11) Tert butyl alcohol	5.228	59	2939m	15.512	ug/l	
12) 1,1-Dichloroethene	4.082	96	7230	2.847	ug/l	95
13) Acrolein	3.929	56	1667	4.895	ug/l	91
14) Allyl chloride	4.704	41	10661	2.736	ug/l	97
15) Acrylonitrile	5.405	53	10780	13.813	ug/l	97
16) Acetone	4.161	43	13072	17.293	ug/l	96
17) Carbon Disulfide	4.423	76	15828	2.329	ug/l #	93
18) Methyl Acetate	4.704	43	8740	4.046	ug/l	95
19) Methyl tert-butyl Ether	5.460	73	11193	2.597	ug/l	99
20) Methylene Chloride	4.954	84	24307	7.002	ug/l	94
21) trans-1,2-Dichloroethene	5.466	96	6848	2.538	ug/l #	87
22) Diisopropyl ether	6.344	45	19616	2.582	ug/l	91
23) Vinyl Acetate	6.289	43	53549	10.318	ug/l	99
24) 1,1-Dichloroethane	6.240	63	13221	2.684	ug/l	96
25) 2-Butanone	7.203	43	12979	13.198	ug/l	98
26) 2,2-Dichloropropane	7.197	77	7682	2.673	ug/l	95
27) cis-1,2-Dichloroethene	7.191	96	8127	2.620	ug/l	99
28) Bromochloromethane	7.532	49	5992	2.756	ug/l	96
29) Tetrahydrofuran	7.557	42	8710	12.933	ug/l	96
30) Chloroform	7.697	83	14561	2.782	ug/l	86
31) Cyclohexane	7.971	56	15293	3.512	ug/l #	62
32) 1,1,1-Trichloroethane	7.886	97	10540	2.613	ug/l	97
36) 1,1-Dichloropropene	8.099	75	9797	2.580	ug/l	98
37) Ethyl Acetate	7.289	43	5834	2.435	ug/l	98
38) Carbon Tetrachloride	8.081	117	9473	2.448	ug/l	92
39) Methylcyclohexane	9.343	83	11539	2.442	ug/l	97
40) Benzene	8.337	78	28880	2.570	ug/l	94

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 Supervised By :Semsettin Yesilyurt 07/03/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.508	41	3189	2.485	ug/l #	94
42) 1,2-Dichloroethane	8.410	62	10390	2.737	ug/l	95
43) Isopropyl Acetate	8.435	43	10362	2.509	ug/l	96
44) Trichloroethene	9.105	130	7080	2.525	ug/l	98
45) 1,2-Dichloropropane	9.380	63	7086	2.609	ug/l	95
46) Dibromomethane	9.465	93	4458	2.543	ug/l	96
47) Bromodichloromethane	9.654	83	10184	2.477	ug/l	99
48) Methyl methacrylate	9.447	41	4135	2.036	ug/l #	83
49) 1,4-Dioxane	9.483	88	700	34.090	ug/l #	25
51) 4-Methyl-2-Pentanone	10.215	43	27810	11.713	ug/l	99
52) Toluene	10.392	92	18784	2.611	ug/l	94
53) t-1,3-Dichloropropene	10.611	75	8673	2.248	ug/l #	89
54) cis-1,3-Dichloropropene	10.075	75	9955	2.277	ug/l	95
55) 1,1,2-Trichloroethane	10.788	97	6054	2.636	ug/l	90
56) Ethyl methacrylate	10.648	69	6835	2.194	ug/l	93
57) 1,3-Dichloropropane	10.934	76	10351	2.567	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.928	63	19277	11.236	ug/l	99
59) 2-Hexanone	10.971	43	19035	11.831	ug/l	96
60) Dibromochloromethane	11.136	129	6287	2.289	ug/l	95
61) 1,2-Dibromoethane	11.239	107	5980	2.601	ug/l	100
64) Tetrachloroethene	10.867	164	5840	2.531	ug/l	92
65) Chlorobenzene	11.660	112	19960	2.565	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.727	131	6065	2.446	ug/l	93
67) Ethyl Benzene	11.727	91	33779	2.503	ug/l	89
68) m/p-Xylenes	11.843	106	24589	4.740	ug/l	98
69) o-Xylene	12.166	106	11439	2.382	ug/l	100
70) Styrene	12.184	104	19789	2.383	ug/l	96
71) Bromoform	12.355	173	3760	2.542	ug/l #	98
73) Isopropylbenzene	12.465	105	28899	2.251	ug/l	98
74) N-amyl acetate	12.276	43	7524	2.174	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.708	83	7640	2.680	ug/l	100
76) 1,2,3-Trichloropropane	12.769	75	5899m	2.704	ug/l	
77) Bromobenzene	12.745	156	7326	2.558	ug/l	91
78) n-propylbenzene	12.800	91	37437	2.435	ug/l	99
79) 2-Chlorotoluene	12.891	91	22353	2.414	ug/l	100
80) 1,3,5-Trimethylbenzene	12.940	105	25056	2.358	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.513	75	1984m	2.119	ug/l	
82) 4-Chlorotoluene	12.983	91	24239	2.494	ug/l	98
83) tert-Butylbenzene	13.202	119	21114	2.319	ug/l	98
84) 1,2,4-Trimethylbenzene	13.245	105	25693	2.386	ug/l	98
85) sec-Butylbenzene	13.379	105	31461	2.303	ug/l	100
86) p-Isopropyltoluene	13.495	119	26934	2.392	ug/l	98
87) 1,3-Dichlorobenzene	13.495	146	14774	2.573	ug/l	96
88) 1,4-Dichlorobenzene	13.574	146	15893	2.704	ug/l	86
89) n-Butylbenzene	13.818	91	26141	2.389	ug/l	99
90) Hexachloroethane	14.092	117	4761	2.344	ug/l	99
91) 1,2-Dichlorobenzene	13.867	146	13556	2.583	ug/l	93
92) 1,2-Dibromo-3-Chloropr...	14.476	75	1541	2.769	ug/l	92
93) 1,2,4-Trichlorobenzene	15.129	180	8068	2.492	ug/l	96
94) Hexachlorobutadiene	15.226	225	4404	2.818	ug/l	88
95) Naphthalene	15.360	128	17720	2.233	ug/l	97
96) 1,2,3-Trichlorobenzene	15.543	180	7515	2.527	ug/l	97

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

