

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070125\
 Data File : VW031743.D
 Acq On : 01 Jul 2025 12:28
 Operator : SY/MD
 Sample : MDL1
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL1

Manual Integrations
 APPROVED

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

Quant Time: Jul 02 03:46:36 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 02 03:45:35 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.965	168	208766	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	394647	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	348704	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	174412	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.313	65	162898	54.371	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 108.740%			
35) Dibromofluoromethane	7.898	113	128936	50.067	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 100.140%			
50) Toluene-d8	10.325	98	490636	51.196	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 102.400%			
62) 4-Bromofluorobenzene	12.617	95	183132	51.927	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 103.860%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.040	85	3777	2.657	ug/l	99
3) Chloromethane	2.253	50	5173	3.018	ug/l	94
4) Vinyl Chloride	2.399	62	5672	2.518	ug/l	97
5) Bromomethane	2.820	94	4964	2.821	ug/l	84
6) Chloroethane	2.966	64	3907	2.553	ug/l	97
7) Trichlorofluoromethane	3.308	101	4669	2.282	ug/l #	83
8) Diethyl Ether	3.710	74	6302	4.053	ug/l	80
9) 1,1,2-Trichlorotrifluo...	4.088	101	6250	2.752	ug/l	98
10) Methyl Iodide	4.307	142	9191	2.625	ug/l #	95
11) Tert butyl alcohol	5.222	59	2582	13.911	ug/l #	85
12) 1,1-Dichloroethene	4.082	96	7020	2.822	ug/l #	76
13) Acrolein	3.923	56	1847	5.536	ug/l #	72
14) Allyl chloride	4.698	41	10370	2.717	ug/l	93
15) Acrylonitrile	5.399	53	10114	13.228	ug/l	98
16) Acetone	4.149	43	12934	17.466	ug/l	92
17) Carbon Disulfide	4.417	76	15209	2.285	ug/l	99
18) Methyl Acetate	4.710	43	6280	2.967	ug/l	97
19) Methyl tert-butyl Ether	5.460	73	11187	2.650	ug/l #	89
20) Methylene Chloride	4.954	84	20602	6.058	ug/l	88
21) trans-1,2-Dichloroethene	5.454	96	6675	2.525	ug/l #	84
22) Diisopropyl ether	6.338	45	18537	2.490	ug/l	90
23) Vinyl Acetate	6.283	43	58382	11.483	ug/l	96
24) 1,1-Dichloroethane	6.234	63	12900	2.673	ug/l	98
25) 2-Butanone	7.197	43	12540	13.016	ug/l	93
26) 2,2-Dichloropropane	7.179	77	7512	2.668	ug/l	97
27) cis-1,2-Dichloroethene	7.185	96	7876	2.592	ug/l	95
28) Bromochloromethane	7.526	49	5551	2.607	ug/l	98
29) Tetrahydrofuran	7.551	42	8449	12.806	ug/l	95
30) Chloroform	7.691	83	13426	2.618	ug/l	97
31) Cyclohexane	7.959	56	15065	3.531	ug/l #	72
32) 1,1,1-Trichloroethane	7.886	97	10743	2.718	ug/l	92
36) 1,1-Dichloropropene	8.093	75	9225	2.476	ug/l	98
37) Ethyl Acetate	7.283	43	6283	2.673	ug/l #	93
38) Carbon Tetrachloride	8.075	117	9052	2.384	ug/l	86
39) Methylcyclohexane	9.337	83	10837	2.337	ug/l	91
40) Benzene	8.331	78	27199	2.467	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	3101	2.463	ug/l #	91
42) 1,2-Dichloroethane	8.404	62	10093	2.709	ug/l	98
43) Isopropyl Acetate	8.435	43	9786	2.415	ug/l	95
44) Trichloroethene	9.099	130	6329	2.300	ug/l	88
45) 1,2-Dichloropropane	9.374	63	6756	2.535	ug/l	97
46) Dibromomethane	9.465	93	4339	2.522	ug/l	95
47) Bromodichloromethane	9.648	83	10021	2.484	ug/l	94
48) Methyl methacrylate	9.447	41	5006	2.512	ug/l	90
49) 1,4-Dioxane	9.471	88	854	42.385	ug/l #	81
51) 4-Methyl-2-Pentanone	10.209	43	28270	12.135	ug/l	99
52) Toluene	10.386	92	16985	2.406	ug/l	99
53) t-1,3-Dichloropropene	10.605	75	8798	2.324	ug/l	90
54) cis-1,3-Dichloropropene	10.075	75	9741	2.270	ug/l	97
55) 1,1,2-Trichloroethane	10.788	97	5858	2.600	ug/l	98
56) Ethyl methacrylate	10.648	69	6778	2.217	ug/l	96
57) 1,3-Dichloropropane	10.934	76	9847	2.489	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.928	63	19049	11.315	ug/l	96
59) 2-Hexanone	10.971	43	19063	12.075	ug/l	95
60) Dibromochloromethane	11.129	129	6658	2.471	ug/l	92
61) 1,2-Dibromoethane	11.239	107	5560	2.465	ug/l	97
64) Tetrachloroethene	10.861	164	5294	2.321	ug/l #	73
65) Chlorobenzene	11.654	112	19134	2.487	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.733	131	5845	2.384	ug/l	93
67) Ethyl Benzene	11.727	91	32067	2.404	ug/l	89
68) m/p-Xylenes	11.837	106	23338	4.551	ug/l	100
69) o-Xylene	12.160	106	10770	2.268	ug/l	100
70) Styrene	12.178	104	18218	2.219	ug/l	98
71) Bromoform	12.349	173	3221	2.202	ug/l #	92
73) Isopropylbenzene	12.458	105	27863	2.100	ug/l	99
74) N-amyl acetate	12.269	43	8007	2.239	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.714	83	7170	2.434	ug/l	94
76) 1,2,3-Trichloropropane	12.757	75	6054m	2.686	ug/l	
77) Bromobenzene	12.739	156	6973	2.357	ug/l	93
78) n-propylbenzene	12.800	91	34899	2.197	ug/l	99
79) 2-Chlorotoluene	12.885	91	21327	2.229	ug/l	99
80) 1,3,5-Trimethylbenzene	12.940	105	24390	2.221	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.513	75	2230m	2.304	ug/l	
82) 4-Chlorotoluene	12.983	91	22904	2.280	ug/l	99
83) tert-Butylbenzene	13.202	119	20086	2.135	ug/l	99
84) 1,2,4-Trimethylbenzene	13.245	105	23361	2.100	ug/l	99
85) sec-Butylbenzene	13.379	105	29484	2.088	ug/l	99
86) p-Isopropyltoluene	13.489	119	24439	2.100	ug/l	96
87) 1,3-Dichlorobenzene	13.495	146	13951	2.351	ug/l	99
88) 1,4-Dichlorobenzene	13.574	146	14691m	2.419	ug/l	
89) n-Butylbenzene	13.818	91	24510	2.168	ug/l	97
90) Hexachloroethane	14.086	117	4470	2.129	ug/l	99
91) 1,2-Dichlorobenzene	13.867	146	13252	2.443	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.476	75	1421	2.471	ug/l	92
93) 1,2,4-Trichlorobenzene	15.123	180	8218	2.457	ug/l	94
94) Hexachlorobutadiene	15.226	225	3740	2.316	ug/l	91
95) Naphthalene	15.360	128	17570	2.143	ug/l	100
96) 1,2,3-Trichlorobenzene	15.549	180	6629	2.157	ug/l	94

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

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