

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070225\
 Data File : VW031753.D
 Acq On : 02 Jul 2025 12:38
 Operator : SY/MD
 Sample : MDL03
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL03

Manual Integrations
 APPROVED

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

Quant Time: Jul 03 06:15:46 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	217362	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	405210	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	356810	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	171511	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	162807	52.192	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 104.380%			
35) Dibromofluoromethane	7.898	113	130993	49.540	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 99.080%			
50) Toluene-d8	10.325	98	497978	50.607	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 101.220%			
62) 4-Bromofluorobenzene	12.617	95	183822	50.764	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 101.520%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.046	85	4316	2.916	ug/l	95
3) Chloromethane	2.253	50	4853	2.719	ug/l	95
4) Vinyl Chloride	2.406	62	5488	2.340	ug/l	98
5) Bromomethane	2.826	94	4826	2.634	ug/l	96
6) Chloroethane	2.966	64	3964	2.488	ug/l	99
7) Trichlorofluoromethane	3.302	101	5188	2.435	ug/l #	83
8) Diethyl Ether	3.722	74	6143	3.795	ug/l	77
9) 1,1,2-Trichlorotrifluo...	4.106	101	6516	2.756	ug/l	98
10) Methyl Iodide	4.301	142	8962	2.459	ug/l	95
11) Tert butyl alcohol	5.216	59	2654m	13.733	ug/l	
12) 1,1-Dichloroethene	4.076	96	7113	2.746	ug/l	82
13) Acrolein	3.936	56	1879m	5.410	ug/l	
14) Allyl chloride	4.710	41	9443	2.376	ug/l	97
15) Acrylonitrile	5.411	53	9866	12.394	ug/l	99
16) Acetone	4.161	43	10988	14.251	ug/l	100
17) Carbon Disulfide	4.417	76	15099	2.179	ug/l	100
18) Methyl Acetate	4.710	43	6913	3.137	ug/l #	79
19) Methyl tert-butyl Ether	5.466	73	11053	2.514	ug/l	96
20) Methylene Chloride	4.948	84	37276	10.528	ug/l	94
21) trans-1,2-Dichloroethene	5.460	96	6851	2.489	ug/l	96
22) Diisopropyl ether	6.344	45	18631	2.404	ug/l	92
23) Vinyl Acetate	6.289	43	54588	10.312	ug/l	96
24) 1,1-Dichloroethane	6.246	63	12868	2.561	ug/l	98
25) 2-Butanone	7.197	43	12641	12.602	ug/l	96
26) 2,2-Dichloropropane	7.185	77	7272	2.481	ug/l	100
27) cis-1,2-Dichloroethene	7.191	96	7991	2.526	ug/l	95
28) Bromochloromethane	7.533	49	6014	2.712	ug/l	93
29) Tetrahydrofuran	7.563	42	8399	12.227	ug/l	97
30) Chloroform	7.691	83	13712	2.568	ug/l	99
31) Cyclohexane	7.959	56	14948	3.365	ug/l #	71
32) 1,1,1-Trichloroethane	7.892	97	10343	2.514	ug/l	98
36) 1,1-Dichloropropene	8.100	75	9265	2.421	ug/l	98
37) Ethyl Acetate	7.283	43	6158m	2.551	ug/l	
38) Carbon Tetrachloride	8.087	117	9237	2.369	ug/l	97
39) Methylcyclohexane	9.343	83	11254	2.364	ug/l	97
40) Benzene	8.337	78	27799	2.456	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.508	41	2989	2.312	ug/l #	90
42) 1,2-Dichloroethane	8.411	62	10266	2.684	ug/l	98
43) Isopropyl Acetate	8.441	43	9396	2.258	ug/l	93
44) Trichloroethene	9.106	130	7023	2.486	ug/l	78
45) 1,2-Dichloropropane	9.380	63	6746	2.466	ug/l	91
46) Dibromomethane	9.465	93	4163	2.357	ug/l	95
47) Bromodichloromethane	9.648	83	9786	2.363	ug/l	99
48) Methyl methacrylate	9.447	41	3955	1.933	ug/l	88
49) 1,4-Dioxane	9.471	88	786	37.994	ug/l #	95
51) 4-Methyl-2-Pentanone	10.215	43	26772	11.192	ug/l	99
52) Toluene	10.392	92	17675	2.439	ug/l	97
53) t-1,3-Dichloropropene	10.611	75	8279	2.130	ug/l	96
54) cis-1,3-Dichloropropene	10.081	75	9538	2.165	ug/l	93
55) 1,1,2-Trichloroethane	10.788	97	5662	2.447	ug/l #	80
56) Ethyl methacrylate	10.648	69	6882	2.192	ug/l	92
57) 1,3-Dichloropropane	10.934	76	9551	2.351	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.929	63	19239	11.130	ug/l	98
59) 2-Hexanone	10.971	43	18533	11.434	ug/l	93
60) Dibromochloromethane	11.130	129	6531	2.360	ug/l	99
61) 1,2-Dibromoethane	11.239	107	5294	2.286	ug/l	93
64) Tetrachloroethene	10.867	164	5726	2.453	ug/l	88
65) Chlorobenzene	11.660	112	19607	2.491	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.727	131	5952	2.373	ug/l	97
67) Ethyl Benzene	11.733	91	32154	2.355	ug/l	99
68) m/p-Xylenes	11.837	106	23506	4.479	ug/l	99
69) o-Xylene	12.166	106	10806	2.224	ug/l	99
70) Styrene	12.178	104	17854	2.126	ug/l	93
71) Bromoform	12.349	173	3685	2.462	ug/l #	98
73) Isopropylbenzene	12.459	105	27755	2.127	ug/l	98
74) N-amyl acetate	12.276	43	7383	2.100	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.715	83	7524	2.598	ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	5778m	2.607	ug/l	
77) Bromobenzene	12.745	156	7110	2.444	ug/l	94
78) n-propylbenzene	12.800	91	37099	2.375	ug/l	98
79) 2-Chlorotoluene	12.891	91	23040	2.449	ug/l	100
80) 1,3,5-Trimethylbenzene	12.940	105	24654	2.283	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.507	75	1969m	2.069	ug/l	
82) 4-Chlorotoluene	12.989	91	23072	2.336	ug/l	99
83) tert-Butylbenzene	13.202	119	20547	2.221	ug/l	99
84) 1,2,4-Trimethylbenzene	13.245	105	24053	2.198	ug/l	100
85) sec-Butylbenzene	13.379	105	31236	2.250	ug/l	100
86) p-Isopropyltoluene	13.495	119	24391	2.132	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	14629	2.507	ug/l	99
88) 1,4-Dichlorobenzene	13.574	146	15588	2.610	ug/l	84
89) n-Butylbenzene	13.818	91	25691	2.311	ug/l	99
90) Hexachloroethane	14.086	117	4790	2.320	ug/l	95
91) 1,2-Dichlorobenzene	13.867	146	12493	2.342	ug/l	90
92) 1,2-Dibromo-3-Chloropr...	14.477	75	1477	2.612	ug/l	85
93) 1,2,4-Trichlorobenzene	15.129	180	7944	2.415	ug/l	99
94) Hexachlorobutadiene	15.232	225	4491	2.828	ug/l	91
95) Naphthalene	15.354	128	17674	2.192	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	7364	2.437	ug/l	98

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

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