

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070325\
 Data File : VW031764.D
 Acq On : 03 Jul 2025 14:42
 Operator : SY/MD
 Sample : MDL07
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL07

Quant Time: Jul 04 05:04:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 04 05:03:10 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	213156	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	402234	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	346265	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	166528	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.313	65	162255	53.041	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	= 106.080%	
35) Dibromofluoromethane	7.898	113	133296	50.784	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	= 101.560%	
50) Toluene-d8	10.325	98	499716	51.160	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	= 102.320%	
62) 4-Bromofluorobenzene	12.617	95	184387	51.296	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	= 102.600%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.052	85	3467	2.388	ug/l	98
3) Chloromethane	2.259	50	4775	2.728	ug/l	93
4) Vinyl Chloride	2.405	62	5769	2.508	ug/l	99
5) Bromomethane	2.826	94	4844	2.696	ug/l #	75
6) Chloroethane	2.972	64	4167	2.667	ug/l	98
7) Trichlorofluoromethane	3.308	101	4437	2.124	ug/l	90
8) Diethyl Ether	3.716	74	6230	3.925	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.100	101	6487	2.798	ug/l	97
10) Methyl Iodide	4.307	142	9019	2.523	ug/l	97
11) Tert butyl alcohol	5.216	59	2631m	13.883	ug/l	
12) 1,1-Dichloroethene	4.076	96	7177	2.826	ug/l #	79
13) Acrolein	3.942	56	1785	5.240	ug/l #	78
14) Allyl chloride	4.710	41	9656	2.478	ug/l	96
15) Acrylonitrile	5.399	53	9964	12.764	ug/l	99
16) Acetone	4.161	43	11999	15.870	ug/l	99
17) Carbon Disulfide	4.411	76	15582	2.293	ug/l	96
18) Methyl Acetate	4.716	43	6031	2.791	ug/l	93
19) Methyl tert-butyl Ether	5.460	73	11010	2.554	ug/l #	79
20) Methylene Chloride	4.947	84	33984	9.787	ug/l	98
21) trans-1,2-Dichloroethene	5.460	96	6701	2.483	ug/l	89
22) Diisopropyl ether	6.337	45	17849	2.348	ug/l	93
23) Vinyl Acetate	6.283	43	55647	10.719	ug/l	96
24) 1,1-Dichloroethane	6.234	63	12069	2.449	ug/l	98
25) 2-Butanone	7.197	43	12814	13.027	ug/l #	88
26) 2,2-Dichloropropane	7.191	77	7307	2.542	ug/l	98
27) cis-1,2-Dichloroethene	7.191	96	7563	2.438	ug/l	98
28) Bromochloromethane	7.526	49	5870	2.700	ug/l	98
29) Tetrahydrofuran	7.551	42	8489	12.602	ug/l	96
30) Chloroform	7.691	83	13125	2.507	ug/l	99
31) Cyclohexane	7.965	56	16374	3.759	ug/l #	66
32) 1,1,1-Trichloroethane	7.886	97	9936	2.462	ug/l	95
36) 1,1-Dichloropropene	8.093	75	9247	2.435	ug/l	99
37) Ethyl Acetate	7.282	43	5977m	2.495	ug/l	
38) Carbon Tetrachloride	8.081	117	9343	2.414	ug/l	97
39) Methylcyclohexane	9.343	83	11420	2.417	ug/l	98
40) Benzene	8.337	78	26789	2.384	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.496	41	3503m	2.729	ug/l	
42) 1,2-Dichloroethane	8.416	62	9337	2.459	ug/l	97
43) Isopropyl Acetate	8.435	43	9657	2.338	ug/l	97
44) Trichloroethene	9.099	130	6850	2.442	ug/l	91
45) 1,2-Dichloropropane	9.373	63	6310	2.323	ug/l	95
46) Dibromomethane	9.471	93	4206	2.399	ug/l	97
47) Bromodichloromethane	9.654	83	9283	2.258	ug/l	99
48) Methyl methacrylate	9.441	41	4661m	2.295	ug/l	
49) 1,4-Dioxane	9.465	88	888m	43.242	ug/l	
51) 4-Methyl-2-Pentanone	10.215	43	26551	11.182	ug/l	100
52) Toluene	10.392	92	17371	2.414	ug/l	98
53) t-1,3-Dichloropropene	10.611	75	8218	2.130	ug/l	99
54) cis-1,3-Dichloropropene	10.075	75	9455	2.162	ug/l	98
55) 1,1,2-Trichloroethane	10.788	97	5394	2.348	ug/l	95
56) Ethyl methacrylate	10.648	69	6604	2.119	ug/l	92
57) 1,3-Dichloropropane	10.934	76	9194	2.280	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.928	63	18009	10.496	ug/l	99
59) 2-Hexanone	10.971	43	17855	11.097	ug/l	100
60) Dibromochloromethane	11.129	129	6051	2.203	ug/l	99
61) 1,2-Dibromoethane	11.233	107	5195	2.259	ug/l	97
64) Tetrachloroethene	10.861	164	6175	2.726	ug/l	91
65) Chlorobenzene	11.660	112	18675	2.444	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.733	131	5723	2.351	ug/l	95
67) Ethyl Benzene	11.733	91	32603	2.461	ug/l	95
68) m/p-Xylenes	11.836	106	24026	4.718	ug/l	94
69) o-Xylene	12.166	106	10991	2.331	ug/l	96
70) Styrene	12.178	104	18157	2.227	ug/l	98
71) Bromoform	12.342	173	3202	2.205	ug/l #	93
73) Isopropylbenzene	12.458	105	27191	2.147	ug/l	100
74) N-amyl acetate	12.269	43	7781	2.279	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.714	83	7281	2.589	ug/l	93
76) 1,2,3-Trichloropropane	12.763	75	6125m	2.846	ug/l	
77) Bromobenzene	12.745	156	7192	2.546	ug/l	85
78) n-propylbenzene	12.800	91	36102	2.380	ug/l	99
79) 2-Chlorotoluene	12.891	91	21238	2.325	ug/l	96
80) 1,3,5-Trimethylbenzene	12.940	105	25083	2.392	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.513	75	1915m	2.073	ug/l	
82) 4-Chlorotoluene	12.989	91	22805	2.378	ug/l	99
83) tert-Butylbenzene	13.202	119	20825	2.319	ug/l	97
84) 1,2,4-Trimethylbenzene	13.245	105	23841	2.244	ug/l	99
85) sec-Butylbenzene	13.379	105	31621	2.346	ug/l	100
86) p-Isopropyltoluene	13.495	119	24850	2.237	ug/l	96
87) 1,3-Dichlorobenzene	13.495	146	14125	2.493	ug/l	98
88) 1,4-Dichlorobenzene	13.574	146	14726	2.539	ug/l	82
89) n-Butylbenzene	13.818	91	24868	2.304	ug/l	98
90) Hexachloroethane	14.092	117	4406	2.198	ug/l	94
91) 1,2-Dichlorobenzene	13.861	146	12608	2.435	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.476	75	1399	2.548	ug/l	92
93) 1,2,4-Trichlorobenzene	15.129	180	7731	2.421	ug/l	98
94) Hexachlorobutadiene	15.226	225	3919	2.541	ug/l	97
95) Naphthalene	15.360	128	17067	2.180	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	7237	2.466	ug/l	93

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

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