

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070125\
 Data File : VW031744.D
 Acq On : 01 Jul 2025 12:50
 Operator : SY/MD
 Sample : MDL2
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL2

Manual Integrations
 APPROVED

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

Quant Time: Jul 02 03:47:43 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	7.959	168	224747	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	395960	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	360880	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	164949	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	164622	51.040	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 102.080%			
35) Dibromofluoromethane	7.898	113	132663	51.344	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 102.680%			
50) Toluene-d8	10.325	98	498144	51.807	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 103.620%			
62) 4-Bromofluorobenzene	12.617	95	178492	50.443	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 100.880%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.046	85	3940	2.574	ug/l	96
3) Chloromethane	2.247	50	4775	2.588	ug/l	99
4) Vinyl Chloride	2.405	62	5488	2.263	ug/l	99
5) Bromomethane	2.832	94	4705	2.484	ug/l	94
6) Chloroethane	2.966	64	3812	2.314	ug/l #	86
7) Trichlorofluoromethane	3.308	101	5027	2.282	ug/l	98
8) Diethyl Ether	3.716	74	5838	3.488	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.100	101	6448	2.637	ug/l	99
10) Methyl Iodide	4.308	142	8866	2.352	ug/l	100
11) Tert butyl alcohol	5.222	59	2325	11.635	ug/l #	82
12) 1,1-Dichloroethene	4.088	96	6643	2.481	ug/l	84
13) Acrolein	3.923	56	1642	4.572	ug/l	100
14) Allyl chloride	4.698	41	9596	2.335	ug/l	93
15) Acrylonitrile	5.405	53	9692	11.775	ug/l	100
16) Acetone	4.155	43	11498	14.423	ug/l	98
17) Carbon Disulfide	4.423	76	14822	2.068	ug/l #	91
18) Methyl Acetate	4.716	43	5717	2.509	ug/l	95
19) Methyl tert-butyl Ether	5.466	73	11266	2.479	ug/l	95
20) Methylene Chloride	4.948	84	17011	4.646	ug/l #	93
21) trans-1,2-Dichloroethene	5.466	96	6466	2.272	ug/l	89
22) Diisopropyl ether	6.356	45	17501	2.184	ug/l	96
23) Vinyl Acetate	6.289	43	53801	9.829	ug/l	96
24) 1,1-Dichloroethane	6.240	63	12248	2.357	ug/l	97
25) 2-Butanone	7.197	43	11254	10.851	ug/l	93
26) 2,2-Dichloropropane	7.191	77	7077	2.335	ug/l	97
27) cis-1,2-Dichloroethene	7.191	96	7510	2.296	ug/l	99
28) Bromochloromethane	7.533	49	5732	2.500	ug/l #	98
29) Tetrahydrofuran	7.551	42	7693	10.831	ug/l	99
30) Chloroform	7.697	83	12982	2.352	ug/l	93
31) Cyclohexane	7.965	56	15096	3.287	ug/l #	61
32) 1,1,1-Trichloroethane	7.892	97	10223	2.403	ug/l	96
36) 1,1-Dichloropropene	8.100	75	9005	2.408	ug/l	99
37) Ethyl Acetate	7.283	43	6437m	2.729	ug/l	
38) Carbon Tetrachloride	8.081	117	9195	2.413	ug/l	93
39) Methylcyclohexane	9.337	83	11062	2.378	ug/l	90
40) Benzene	8.337	78	26866	2.429	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	3383m	2.678	ug/l	
42) 1,2-Dichloroethane	8.410	62	9436	2.525	ug/l	100
43) Isopropyl Acetate	8.435	43	9472	2.330	ug/l	96
44) Trichloroethene	9.099	130	6899	2.499	ug/l	99
45) 1,2-Dichloropropane	9.380	63	5891	2.203	ug/l #	87
46) Dibromomethane	9.471	93	4225	2.448	ug/l	95
47) Bromodichloromethane	9.654	83	9475	2.341	ug/l	94
48) Methyl methacrylate	9.441	41	4457m	2.229	ug/l	
49) 1,4-Dioxane	9.465	88	790m	39.079	ug/l	
51) 4-Methyl-2-Pentanone	10.215	43	25234	10.796	ug/l	99
52) Toluene	10.392	92	17042	2.406	ug/l	99
53) t-1,3-Dichloropropene	10.611	75	8129	2.141	ug/l	96
54) cis-1,3-Dichloropropene	10.075	75	9609	2.232	ug/l	95
55) 1,1,2-Trichloroethane	10.788	97	5391	2.384	ug/l #	88
56) Ethyl methacrylate	10.648	69	6645	2.166	ug/l #	86
57) 1,3-Dichloropropane	10.934	76	9019	2.272	ug/l	92
58) 2-Chloroethyl Vinyl ether	9.928	63	18469	10.935	ug/l	100
59) 2-Hexanone	10.971	43	16406	10.358	ug/l	99
60) Dibromochloromethane	11.129	129	5898	2.181	ug/l	97
61) 1,2-Dibromoethane	11.233	107	5570	2.461	ug/l	94
64) Tetrachloroethene	10.867	164	5838	2.473	ug/l	89
65) Chlorobenzene	11.654	112	18183	2.284	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.733	131	5685	2.241	ug/l	93
67) Ethyl Benzene	11.727	91	30287	2.194	ug/l	96
68) m/p-Xylenes	11.837	106	22586	4.255	ug/l	99
69) o-Xylene	12.166	106	10793	2.196	ug/l	99
70) Styrene	12.178	104	17413	2.050	ug/l	95
71) Bromoform	12.355	173	3258	2.152	ug/l #	100
73) Isopropylbenzene	12.458	105	27629	2.202	ug/l	98
74) N-amyl acetate	12.270	43	7194	2.127	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.715	83	6813	2.446	ug/l	99
76) 1,2,3-Trichloropropane	12.769	75	6114m	2.868	ug/l	
77) Bromobenzene	12.745	156	7153	2.556	ug/l	96
78) n-propylbenzene	12.806	91	34916	2.324	ug/l	99
79) 2-Chlorotoluene	12.891	91	21454	2.371	ug/l	97
80) 1,3,5-Trimethylbenzene	12.940	105	23524	2.265	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.513	75	2301m	2.514	ug/l	
82) 4-Chlorotoluene	12.989	91	22332	2.351	ug/l	99
83) tert-Butylbenzene	13.202	119	19573	2.200	ug/l	96
84) 1,2,4-Trimethylbenzene	13.251	105	22593	2.147	ug/l	100
85) sec-Butylbenzene	13.379	105	29825	2.234	ug/l	100
86) p-Isopropyltoluene	13.495	119	24304	2.208	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	14015	2.497	ug/l	99
88) 1,4-Dichlorobenzene	13.574	146	14858	2.587	ug/l	87
89) n-Butylbenzene	13.818	91	24044	2.249	ug/l	97
90) Hexachloroethane	14.092	117	4379	2.206	ug/l	96
91) 1,2-Dichlorobenzene	13.867	146	11906	2.321	ug/l	90
92) 1,2-Dibromo-3-Chloropr...	14.483	75	1263	2.322	ug/l	88
93) 1,2,4-Trichlorobenzene	15.129	180	7167	2.266	ug/l	98
94) Hexachlorobutadiene	15.226	225	3540	2.317	ug/l	93
95) Naphthalene	15.360	128	16607	2.141	ug/l	98
96) 1,2,3-Trichlorobenzene	15.549	180	7119	2.449	ug/l	96

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

