

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111225\
 Data File : VW032442.D
 Acq On : 12 Nov 2025 16:20
 Operator : SY/MD
 Sample : Q3530-03
 Misc : 5.00g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-03-QT4-2025

Quant Time: Nov 14 05:19:51 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 11 03:48:21 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Amit Patel 11/14/2025
 Supervised By :Mahesh Dadoda 11/14/2025

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

Internal Standards						
1) Pentafluorobenzene	7.965	168	361398	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	708904	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	651755	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.550	152	296751	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	271071	58.179	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 116.360%		
35) Dibromofluoromethane	7.898	113	224574	52.911	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 105.820%		
50) Toluene-d8	10.325	98	864064	53.066	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 106.140%		
62) 4-Bromofluorobenzene	12.617	95	312765	50.848	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 101.700%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.046	85	7529m	4.106	ug/l	
3) Chloromethane	2.253	50	14697	4.676	ug/l	93
4) Vinyl Chloride	2.399	62	16187	4.081	ug/l	96
5) Bromomethane	2.826	94	11303	4.260	ug/l	95
6) Chloroethane	2.972	64	10680	4.115	ug/l #	88
7) Trichlorofluoromethane	3.314	101	10732	3.451	ug/l	87
8) Diethyl Ether	3.722	74	10842	4.264	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.100	101	14865	4.388	ug/l #	74
10) Methyl Iodide	4.307	142	21149	3.876	ug/l	99
11) Tert butyl alcohol	5.216	59	11823m	29.346	ug/l	
12) 1,1-Dichloroethene	4.076	96	16696	4.298	ug/l	99
13) Acrolein	3.929	56	9046	13.382	ug/l	95
14) Allyl chloride	4.704	41	28489	3.814	ug/l	94
15) Acrylonitrile	5.405	53	28893	19.654	ug/l	96
16) Acetone	4.161	43	30157	21.634	ug/l	97
17) Carbon Disulfide	4.423	76	43750	3.811	ug/l	98
18) Methyl Acetate	4.716	43	16064	4.654	ug/l	98
19) Methyl tert-butyl Ether	5.466	73	30389	3.711	ug/l	96
20) Methylene Chloride	4.954	84	31015	6.222	ug/l	94
21) trans-1,2-Dichloroethene	5.460	96	17749	3.996	ug/l	88
22) Diisopropyl ether	6.338	45	58994	3.879	ug/l	92
23) Vinyl Acetate	6.289	43	182223	17.487	ug/l	96
24) 1,1-Dichloroethane	6.246	63	36488	4.379	ug/l	98
25) 2-Butanone	7.197	43	42290	20.593	ug/l	99
26) 2,2-Dichloropropane	7.185	77	21414	4.611	ug/l	94
27) cis-1,2-Dichloroethene	7.191	96	21459	4.043	ug/l	92
28) Bromochloromethane	7.532	49	17945	4.556	ug/l	98
29) Tetrahydrofuran	7.563	42	25616	19.652	ug/l	98
30) Chloroform	7.691	83	35845	4.394	ug/l	95
31) Cyclohexane	7.965	56	35924	4.661	ug/l #	82
32) 1,1,1-Trichloroethane	7.886	97	23501	4.033	ug/l	95
36) 1,1-Dichloropropene	8.093	75	23570	3.769	ug/l	98
37) Ethyl Acetate	7.283	43	19057	4.098	ug/l #	93
38) Carbon Tetrachloride	8.087	117	21967	3.953	ug/l #	89
39) Methylcyclohexane	9.343	83	28038	3.461	ug/l	86
40) Benzene	8.331	78	79163	3.931	ug/l	93

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41) Methacrylonitrile	7.502	41	9583	3.751	ug/l	91
42) 1,2-Dichloroethane	8.410	62	24450	4.133	ug/l	99
43) Isopropyl Acetate	8.435	43	29390	3.569	ug/l	98
44) Trichloroethene	9.105	130	18612	3.972	ug/l	87
45) 1,2-Dichloropropane	9.374	63	19581	3.905	ug/l	97
46) Dibromomethane	9.465	93	11980	4.088	ug/l	96
47) Bromodichloromethane	9.654	83	25606	3.831	ug/l #	95
48) Methyl methacrylate	9.447	41	14233m	3.638	ug/l	
49) 1,4-Dioxane	9.477	88	3402	82.872	ug/l #	98
51) 4-Methyl-2-Pentanone	10.215	43	82524	18.129	ug/l	98
52) Toluene	10.392	92	48075	3.865	ug/l	99
53) t-1,3-Dichloropropene	10.611	75	23899	3.472	ug/l	95
54) cis-1,3-Dichloropropene	10.081	75	28797	3.617	ug/l	90
55) 1,1,2-Trichloroethane	10.788	97	16017	3.984	ug/l	94
56) Ethyl methacrylate	10.648	69	19329	3.134	ug/l	97
57) 1,3-Dichloropropane	10.934	76	28600	3.983	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.928	63	53305	16.228	ug/l	100
59) 2-Hexanone	10.971	43	56468	16.955	ug/l	93
60) Dibromochloromethane	11.129	129	16049	3.575	ug/l	98
61) 1,2-Dibromoethane	11.233	107	15172	3.875	ug/l	100
64) Tetrachloroethene	10.867	164	15040	3.897	ug/l #	82
65) Chlorobenzene	11.660	112	52389	3.729	ug/l	91
66) 1,1,1,2-Tetrachloroethane	11.733	131	15244	3.506	ug/l	91
67) Ethyl Benzene	11.733	91	84877	3.492	ug/l	99
68) m/p-Xylenes	11.843	106	61093	6.694	ug/l	100
69) o-Xylene	12.166	106	28624	3.276	ug/l	98
70) Styrene	12.184	104	48259	3.210	ug/l	99
71) Bromoform	12.355	173	8653	3.360	ug/l #	99
73) Isopropylbenzene	12.465	105	70202	3.221	ug/l	99
74) N-amyl acetate	12.269	43	24655	3.255	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.714	83	21281	4.114	ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	17919m	4.404	ug/l	
77) Bromobenzene	12.745	156	18773	3.638	ug/l	91
78) n-propylbenzene	12.800	91	93258	3.514	ug/l	97
79) 2-Chlorotoluene	12.891	91	58633	3.619	ug/l	99
80) 1,3,5-Trimethylbenzene	12.940	105	62566	3.480	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.513	75	5762	3.243	ug/l #	84
82) 4-Chlorotoluene	12.989	91	63227	3.752	ug/l	99
83) tert-Butylbenzene	13.202	119	49327	3.154	ug/l	93
84) 1,2,4-Trimethylbenzene	13.245	105	60960	3.333	ug/l	100
85) sec-Butylbenzene	13.379	105	78598	3.374	ug/l	98
86) p-Isopropyltoluene	13.495	119	61994	3.223	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	39109	3.997	ug/l	97
88) 1,4-Dichlorobenzene	13.574	146	40288	4.019	ug/l	93
89) n-Butylbenzene	13.818	91	64502	3.433	ug/l	98
90) Hexachloroethane	14.086	117	12159	3.506	ug/l	92
91) 1,2-Dichlorobenzene	13.867	146	34554	3.847	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.476	75	3838	4.307	ug/l	86
93) 1,2,4-Trichlorobenzene	15.123	180	20595	3.603	ug/l	98
94) Hexachlorobutadiene	15.226	225	9235	3.890	ug/l	91
95) Naphthalene	15.360	128	41841	2.936	ug/l	96
96) 1,2,3-Trichlorobenzene	15.549	180	18516	3.568	ug/l	97

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

