

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111225\
 Data File : VW032441.D
 Acq On : 12 Nov 2025 15:58
 Operator : SY/MD
 Sample : Q3530-03
 Misc : 5.00g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Nov 14 05:19:05 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	7.959	168	369667	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	728216	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	668535	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	316928	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.313	65	256154	53.747	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 107.500%			
35) Dibromofluoromethane	7.892	113	214498	49.197	ug/l	-0.01
Spiked Amount 50.000	Range 70 - 134		Recovery = 98.400%			
50) Toluene-d8	10.325	98	817786	48.892	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 97.780%			
62) 4-Bromofluorobenzene	12.617	95	299608	47.417	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 94.840%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.040	85	5011m	2.672	ug/l	
3) Chloromethane	2.259	50	9302	2.893	ug/l	96
4) Vinyl Chloride	2.405	62	11022	2.717	ug/l	99
5) Bromomethane	2.826	94	7376	2.718	ug/l	92
6) Chloroethane	2.966	64	6197	2.335	ug/l	97
7) Trichlorofluoromethane	3.302	101	6497	2.042	ug/l	99
8) Diethyl Ether	3.722	74	7092	2.727	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.088	101	10282	2.967	ug/l	99
10) Methyl Iodide	4.301	142	14329	2.567	ug/l	97
11) Tert butyl alcohol	5.185	59	10888m	26.420	ug/l	
12) 1,1-Dichloroethene	4.076	96	10280	2.587	ug/l	87
13) Acrolein	3.923	56	6197	8.963	ug/l	97
14) Allyl chloride	4.704	41	17414	2.279	ug/l	92
15) Acrylonitrile	5.405	53	18330	12.190	ug/l	97
16) Acetone	4.155	43	21863	15.333	ug/l	96
17) Carbon Disulfide	4.417	76	29212	2.487	ug/l	98
18) Methyl Acetate	4.704	43	10083	2.856	ug/l	99
19) Methyl tert-butyl Ether	5.454	73	19800	2.364	ug/l	97
20) Methylene Chloride	4.954	84	25894	5.078	ug/l	92
21) trans-1,2-Dichloroethene	5.454	96	11207	2.467	ug/l	96
22) Diisopropyl ether	6.338	45	36340	2.336	ug/l	94
23) Vinyl Acetate	6.283	43	113426	10.641	ug/l	98
24) 1,1-Dichloroethane	6.234	63	22806	2.676	ug/l	96
25) 2-Butanone	7.197	43	26184	12.465	ug/l	94
26) 2,2-Dichloropropane	7.173	77	16249	3.421	ug/l	87
27) cis-1,2-Dichloroethene	7.185	96	13728	2.529	ug/l	86
28) Bromochloromethane	7.526	49	11006	2.732	ug/l	97
29) Tetrahydrofuran	7.557	42	15739	11.805	ug/l	97
30) Chloroform	7.691	83	23065	2.764	ug/l	98
31) Cyclohexane	7.965	56	27508	3.489	ug/l #	76
32) 1,1,1-Trichloroethane	7.886	97	15733	2.639	ug/l	91
36) 1,1-Dichloropropene	8.093	75	15947	2.482	ug/l	96
37) Ethyl Acetate	7.277	43	11134m	2.331	ug/l	
38) Carbon Tetrachloride	8.081	117	14007	2.454	ug/l	88
39) Methylcyclohexane	9.337	83	19237	2.312	ug/l	95
40) Benzene	8.331	78	50683	2.450	ug/l	91

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.508	41	5702	2.173	ug/l	90
42) 1,2-Dichloroethane	8.410	62	15253	2.510	ug/l	98
43) Isopropyl Acetate	8.435	43	17549	2.075	ug/l	95
44) Trichloroethene	9.093	130	11564	2.402	ug/l	94
45) 1,2-Dichloropropane	9.374	63	13339	2.589	ug/l	98
46) Dibromomethane	9.465	93	7288	2.421	ug/l	99
47) Bromodichloromethane	9.654	83	15925	2.319	ug/l	95
48) Methyl methacrylate	9.447	41	8720m	2.170	ug/l	
49) 1,4-Dioxane	9.459	88	1913	45.365	ug/l #	99
51) 4-Methyl-2-Pentanone	10.215	43	49782	10.646	ug/l	96
52) Toluene	10.392	92	31752	2.485	ug/l	95
53) t-1,3-Dichloropropene	10.611	75	14571	2.060	ug/l	99
54) cis-1,3-Dichloropropene	10.075	75	17632	2.156	ug/l	98
55) 1,1,2-Trichloroethane	10.788	97	10238	2.479	ug/l	98
56) Ethyl methacrylate	10.648	69	12244	1.932	ug/l	98
57) 1,3-Dichloropropane	10.934	76	17676	2.397	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.928	63	32101	9.513	ug/l	100
59) 2-Hexanone	10.971	43	34318	10.031	ug/l	92
60) Dibromochloromethane	11.129	129	10408	2.257	ug/l	95
61) 1,2-Dibromoethane	11.233	107	9832	2.445	ug/l	94
64) Tetrachloroethene	10.867	164	9631	2.433	ug/l	85
65) Chlorobenzene	11.660	112	34138	2.369	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.727	131	9606	2.154	ug/l	93
67) Ethyl Benzene	11.727	91	54104	2.170	ug/l	99
68) m/p-Xylenes	11.837	106	39552	4.225	ug/l	100
69) o-Xylene	12.166	106	17644	1.968	ug/l	99
70) Styrene	12.178	104	30320	1.966	ug/l	98
71) Bromoform	12.349	173	5843	2.212	ug/l #	94
73) Isopropylbenzene	12.459	105	44692	1.920	ug/l	99
74) N-amyl acetate	12.276	43	14865	1.838	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.708	83	13021	2.357	ug/l	97
76) 1,2,3-Trichloropropane	12.763	75	9617m	2.213	ug/l	
77) Bromobenzene	12.745	156	11953	2.169	ug/l	91
78) n-propylbenzene	12.800	91	61137	2.157	ug/l	97
79) 2-Chlorotoluene	12.885	91	37270	2.154	ug/l	100
80) 1,3,5-Trimethylbenzene	12.940	105	39282	2.046	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.513	75	3796m	2.001	ug/l	
82) 4-Chlorotoluene	12.989	91	39142	2.175	ug/l	98
83) tert-Butylbenzene	13.202	119	32563	1.949	ug/l	94
84) 1,2,4-Trimethylbenzene	13.245	105	39165	2.005	ug/l	96
85) sec-Butylbenzene	13.379	105	50741	2.040	ug/l	99
86) p-Isopropyltoluene	13.495	119	39168	1.907	ug/l	96
87) 1,3-Dichlorobenzene	13.495	146	25187	2.411	ug/l	99
88) 1,4-Dichlorobenzene	13.574	146	27737	2.591	ug/l	88
89) n-Butylbenzene	13.818	91	41423	2.064	ug/l	99
90) Hexachloroethane	14.086	117	8074	2.180	ug/l	96
91) 1,2-Dichlorobenzene	13.867	146	22675	2.364	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.483	75	2529	2.658	ug/l	86
93) 1,2,4-Trichlorobenzene	15.123	180	13235	2.168	ug/l	95
94) Hexachlorobutadiene	15.226	225	6032	2.379	ug/l	95
95) Naphthalene	15.360	128	27405	1.800	ug/l	97
96) 1,2,3-Trichlorobenzene	15.549	180	12318	2.223	ug/l	95

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

