

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111125\
 Data File : VW032422.D
 Acq On : 11 Nov 2025 12:06
 Operator : SY/MD
 Sample : Q3530-01
 Misc : 5.00g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2025

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 11/12/2025
 Supervised By :Mahesh Dadoda 11/12/2025

Quant Time: Nov 12 03:46:19 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

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	395672	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	784281	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	676768	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	330211	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	277737	54.446	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 108.900%			
35) Dibromofluoromethane	7.904	113	230086	49.000	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 98.000%			
50) Toluene-d8	10.330	98	909369	50.481	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 100.960%			
62) 4-Bromofluorobenzene	12.617	95	332276	48.828	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 97.660%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.051	85	4850m	2.416	ug/l	
3) Chloromethane	2.253	50	10502	3.052	ug/l	97
4) Vinyl Chloride	2.405	62	11884	2.737	ug/l	100
5) Bromomethane	2.826	94	9021	3.105	ug/l	83
6) Chloroethane	2.972	64	7869	2.770	ug/l	91
7) Trichlorofluoromethane	3.307	101	7870	2.311	ug/l	91
8) Diethyl Ether	3.722	74	8235	2.958	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.106	101	10715	2.889	ug/l #	67
10) Methyl Iodide	4.313	142	15874	2.657	ug/l	99
11) Tert butyl alcohol	5.209	59	7376	16.722	ug/l #	83
12) 1,1-Dichloroethene	4.088	96	11801	2.775	ug/l	86
13) Acrolein	3.935	56	8144	11.004	ug/l	99
14) Allyl chloride	4.709	41	21327	2.608	ug/l	95
15) Acrylonitrile	5.411	53	20170	12.532	ug/l	96
16) Acetone	4.167	43	23776	15.579	ug/l	91
17) Carbon Disulfide	4.423	76	31636	2.517	ug/l	99
18) Methyl Acetate	4.709	43	11089	2.934	ug/l	93
19) Methyl tert-butyl Ether	5.465	73	23876	2.663	ug/l	97
20) Methylene Chloride	4.953	84	19189	3.516	ug/l #	89
21) trans-1,2-Dichloroethene	5.465	96	13498	2.776	ug/l	95
22) Diisopropyl ether	6.343	45	41390	2.486	ug/l	97
23) Vinyl Acetate	6.288	43	127776	11.200	ug/l	99
24) 1,1-Dichloroethane	6.252	63	23203	2.543	ug/l	97
25) 2-Butanone	7.203	43	28622	12.730	ug/l	99
26) 2,2-Dichloropropane	7.185	77	15889	3.125	ug/l	94
27) cis-1,2-Dichloroethene	7.191	96	15363	2.644	ug/l	93
28) Bromochloromethane	7.532	49	12132	2.814	ug/l	97
29) Tetrahydrofuran	7.556	42	17652	12.369	ug/l	99
30) Chloroform	7.697	83	24920	2.790	ug/l	100
31) Cyclohexane	7.971	56	28476	3.374	ug/l #	72
32) 1,1,1-Trichloroethane	7.898	97	17888	2.804	ug/l	92
36) 1,1-Dichloropropene	8.099	75	16863	2.437	ug/l	96
37) Ethyl Acetate	7.276	43	13967	2.715	ug/l #	95
38) Carbon Tetrachloride	8.081	117	15348	2.497	ug/l	95
39) Methylcyclohexane	9.343	83	20372	2.273	ug/l	87
40) Benzene	8.337	78	56044	2.515	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.508	41	6115	2.164	ug/l #	93
42) 1,2-Dichloroethane	8.416	62	16543	2.528	ug/l	100
43) Isopropyl Acetate	8.440	43	19973	2.193	ug/l	92
44) Trichloroethene	9.099	130	13269	2.559	ug/l	96
45) 1,2-Dichloropropane	9.379	63	14179	2.556	ug/l	93
46) Dibromomethane	9.465	93	8063	2.487	ug/l	97
47) Bromodichloromethane	9.654	83	17501	2.367	ug/l	92
48) Methyl methacrylate	9.440	41	8608	1.989	ug/l #	86
49) 1,4-Dioxane	9.471	88	2489	54.804	ug/l #	72
51) 4-Methyl-2-Pentanone	10.215	43	55497	11.020	ug/l	99
52) Toluene	10.391	92	34992	2.543	ug/l	96
53) t-1,3-Dichloropropene	10.611	75	17465	2.293	ug/l	95
54) cis-1,3-Dichloropropene	10.080	75	20473	2.324	ug/l	98
55) 1,1,2-Trichloroethane	10.788	97	11863	2.667	ug/l	90
56) Ethyl methacrylate	10.647	69	13548	1.985	ug/l	95
57) 1,3-Dichloropropane	10.934	76	18720	2.357	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.928	63	35038	9.642	ug/l	98
59) 2-Hexanone	10.971	43	38146	10.353	ug/l	95
60) Dibromochloromethane	11.129	129	11054	2.226	ug/l	94
61) 1,2-Dibromoethane	11.239	107	10521	2.429	ug/l	91
64) Tetrachloroethene	10.861	164	10625	2.651	ug/l	91
65) Chlorobenzene	11.659	112	38626	2.648	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.733	131	11150	2.470	ug/l	97
67) Ethyl Benzene	11.733	91	62102	2.461	ug/l	99
68) m/p-Xylenes	11.836	106	46239	4.879	ug/l	98
69) o-Xylene	12.165	106	20761	2.288	ug/l	96
70) Styrene	12.184	104	35477	2.273	ug/l	98
71) Bromoform	12.342	173	6663	2.492	ug/l #	94
73) Isopropylbenzene	12.464	105	51503	2.124	ug/l	99
74) N-amyl acetate	12.275	43	15984	1.897	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.714	83	15024	2.610	ug/l	95
76) 1,2,3-Trichloropropane	12.769	75	12539m	2.769	ug/l	
77) Bromobenzene	12.745	156	13431	2.339	ug/l	91
78) n-propylbenzene	12.799	91	69819	2.364	ug/l	99
79) 2-Chlorotoluene	12.891	91	41885	2.323	ug/l	98
80) 1,3,5-Trimethylbenzene	12.940	105	45406	2.269	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.513	75	4050m	2.049	ug/l	
82) 4-Chlorotoluene	12.988	91	44696	2.384	ug/l	96
83) tert-Butylbenzene	13.202	119	37431	2.151	ug/l	96
84) 1,2,4-Trimethylbenzene	13.244	105	46218	2.271	ug/l	99
85) sec-Butylbenzene	13.379	105	56598	2.183	ug/l	99
86) p-Isopropyltoluene	13.494	119	45565	2.129	ug/l	97
87) 1,3-Dichlorobenzene	13.494	146	28171	2.588	ug/l	98
88) 1,4-Dichlorobenzene	13.574	146	30617	2.745	ug/l	89
89) n-Butylbenzene	13.818	91	46566	2.227	ug/l	99
90) Hexachloroethane	14.092	117	9712	2.517	ug/l	89
91) 1,2-Dichlorobenzene	13.866	146	25738	2.575	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	14.476	75	2351	2.371	ug/l	91
93) 1,2,4-Trichlorobenzene	15.122	180	15873	2.496	ug/l	95
94) Hexachlorobutadiene	15.232	225	6494	2.458	ug/l	83
95) Naphthalene	15.360	128	34755	2.191	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	14973	2.593	ug/l	90

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

