

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112025\
 Data File : VW032511.D
 Acq On : 20 Nov 2025 09:15
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 11/21/2025
 Supervised By :Mahesh Dadoda 11/21/2025

Quant Time: Nov 21 01:14:37 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	337313	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	607386	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	557641	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.550	152	270193	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.313	65	229856	52.855	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 105.720%			
35) Dibromofluoromethane	7.898	113	193897	53.319	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 106.640%			
50) Toluene-d8	10.325	98	757307	54.283	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 108.560%			
62) 4-Bromofluorobenzene	12.617	95	271851	51.583	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 103.160%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.040	85	83085	48.548	ug/l	96
3) Chloromethane	2.253	50	156582	53.378	ug/l	99
4) Vinyl Chloride	2.405	62	213075	57.554	ug/l	98
5) Bromomethane	2.820	94	141135	56.991	ug/l	99
6) Chloroethane	2.966	64	137131	56.616	ug/l	99
7) Trichlorofluoromethane	3.302	101	155529	53.583	ug/l	98
8) Diethyl Ether	3.716	74	125766	52.996	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.100	101	182808	57.817	ug/l	98
10) Methyl Iodide	4.307	142	278265	54.641	ug/l	99
11) Tert butyl alcohol	5.204	59	83549	222.182	ug/l	100
12) 1,1-Dichloroethene	4.076	96	202701	55.908	ug/l	96
13) Acrolein	3.929	56	100797	159.762	ug/l	99
14) Allyl chloride	4.704	41	381345	54.695	ug/l	99
15) Acrylonitrile	5.393	53	371333	270.630	ug/l	99
16) Acetone	4.155	43	366918	282.018	ug/l	96
17) Carbon Disulfide	4.417	76	594959	55.521	ug/l	98
18) Methyl Acetate	4.704	43	178408	55.375	ug/l	100
19) Methyl tert-butyl Ether	5.460	73	405988	53.121	ug/l	98
20) Methylene Chloride	4.948	84	257041	55.244	ug/l	96
21) trans-1,2-Dichloroethene	5.460	96	232325	56.040	ug/l	97
22) Diisopropyl ether	6.338	45	790107	55.658	ug/l	98
23) Vinyl Acetate	6.277	43	2613915	268.755	ug/l	99
24) 1,1-Dichloroethane	6.240	63	447570	57.546	ug/l	99
25) 2-Butanone	7.191	43	498372	260.007	ug/l	99
26) 2,2-Dichloropropane	7.185	77	234037	53.993	ug/l	98
27) cis-1,2-Dichloroethene	7.185	96	274018	55.317	ug/l	98
28) Bromochloromethane	7.526	49	204138	55.533	ug/l	98
29) Tetrahydrofuran	7.545	42	326746	268.576	ug/l	99
30) Chloroform	7.691	83	444493	58.379	ug/l	97
31) Cyclohexane	7.965	56	376474	52.328	ug/l	96
32) 1,1,1-Trichloroethane	7.886	97	307154	56.471	ug/l	98
36) 1,1-Dichloropropene	8.093	75	303484	56.640	ug/l	98
37) Ethyl Acetate	7.270	43	218945	54.952	ug/l	98
38) Carbon Tetrachloride	8.075	117	278693	58.538	ug/l	97
39) Methylcyclohexane	9.343	83	385451	55.530	ug/l	96
40) Benzene	8.337	78	995668	57.703	ug/l	97

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41) Methacrylonitrile	7.496	41	112399	51.355	ug/l	97
42) 1,2-Dichloroethane	8.410	62	297240	58.647	ug/l	99
43) Isopropyl Acetate	8.429	43	374631	53.102	ug/l	98
44) Trichloroethene	9.099	130	220539	54.927	ug/l	90
45) 1,2-Dichloropropane	9.374	63	248521	57.842	ug/l	99
46) Dibromomethane	9.465	93	145504	57.953	ug/l	100
47) Bromodichloromethane	9.648	83	327748	57.226	ug/l	99
48) Methyl methacrylate	9.441	41	178851	53.350	ug/l	97
49) 1,4-Dioxane	9.465	88	39519	1123.577	ug/l #	97
51) 4-Methyl-2-Pentanone	10.209	43	1090252	279.543	ug/l	99
52) Toluene	10.392	92	614010	57.609	ug/l	99
53) t-1,3-Dichloropropene	10.605	75	324443	55.005	ug/l	100
54) cis-1,3-Dichloropropene	10.075	75	390777	57.290	ug/l	98
55) 1,1,2-Trichloroethane	10.788	97	195488	56.756	ug/l	98
56) Ethyl methacrylate	10.648	69	283165	53.581	ug/l	99
57) 1,3-Dichloropropane	10.934	76	344031	55.924	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.928	63	778026	276.444	ug/l	100
59) 2-Hexanone	10.965	43	779753	273.265	ug/l	98
60) Dibromochloromethane	11.129	129	218768	56.876	ug/l	98
61) 1,2-Dibromoethane	11.233	107	187185	55.798	ug/l	99
64) Tetrachloroethene	10.867	164	183526	55.576	ug/l #	88
65) Chlorobenzene	11.654	112	661763	55.059	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.727	131	205579	55.268	ug/l	98
67) Ethyl Benzene	11.727	91	1168712	56.197	ug/l	99
68) m/p-Xylenes	11.837	106	871604	111.625	ug/l	98
69) o-Xylene	12.166	106	414420	55.430	ug/l	99
70) Styrene	12.178	104	736990	57.303	ug/l	99
71) Bromoform	12.349	173	117203	53.196	ug/l #	95
73) Isopropylbenzene	12.458	105	1048001	52.812	ug/l	98
74) N-amyl acetate	12.269	43	343061	49.751	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.708	83	244181	51.849	ug/l	98
76) 1,2,3-Trichloropropane	12.763	75	173443m	46.816	ug/l	
77) Bromobenzene	12.739	156	245834	52.323	ug/l	97
78) n-propylbenzene	12.800	91	1323237	54.756	ug/l	99
79) 2-Chlorotoluene	12.885	91	795531	53.926	ug/l	100
80) 1,3,5-Trimethylbenzene	12.940	105	870033	53.144	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.507	75	82814	51.199	ug/l	97
82) 4-Chlorotoluene	12.983	91	813607	53.025	ug/l	97
83) tert-Butylbenzene	13.202	119	763927	53.642	ug/l	99
84) 1,2,4-Trimethylbenzene	13.245	105	892057	53.573	ug/l	100
85) sec-Butylbenzene	13.379	105	1119872	52.800	ug/l	99
86) p-Isopropyltoluene	13.495	119	927196	52.946	ug/l	100
87) 1,3-Dichlorobenzene	13.501	146	470529	52.821	ug/l	99
88) 1,4-Dichlorobenzene	13.574	146	479905	52.586	ug/l	98
89) n-Butylbenzene	13.818	91	913882	53.416	ug/l	98
90) Hexachloroethane	14.086	117	161363	51.106	ug/l	95
91) 1,2-Dichlorobenzene	13.867	146	435287	53.231	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.476	75	39923	49.209	ug/l	96
93) 1,2,4-Trichlorobenzene	15.123	180	252026	48.431	ug/l	96
94) Hexachlorobutadiene	15.220	225	101225	46.828	ug/l	91
95) Naphthalene	15.360	128	626649	48.290	ug/l	99
96) 1,2,3-Trichlorobenzene	15.543	180	237412	50.252	ug/l	93

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

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