

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100125\
 Data File : VW032316.D
 Acq On : 01 Oct 2025 14:37
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 10/03/2025
 Supervised By :Semsettin Yesilyurt 10/03/2025

Quant Time: Oct 02 21:15:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 02 21:10:58 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	289091	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	530255	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	489049	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	234466	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	200915	47.649	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	95.300%		
35) Dibromofluoromethane	7.904	113	162134	47.215	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	94.420%		
50) Toluene-d8	10.325	98	632778	49.927	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	99.860%		
62) 4-Bromofluorobenzene	12.617	95	237645	49.609	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	99.220%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.046	85	76397	42.113	ug/l	97
3) Chloromethane	2.253	50	120776	43.147	ug/l	97
4) Vinyl Chloride	2.405	62	153004	45.785	ug/l	98
5) Bromomethane	2.826	94	110413	44.960	ug/l	96
6) Chloroethane	2.966	64	102915	46.646	ug/l	95
7) Trichlorofluoromethane	3.308	101	120856	48.301	ug/l	96
8) Diethyl Ether	3.722	74	99427	45.858	ug/l	89
9) 1,1,2-Trichlorotrifluo...	4.106	101	134421	44.790	ug/l	92
10) Methyl Iodide	4.320	142	200360	46.790	ug/l	98
11) Tert butyl alcohol	5.222	59	70796	221.816	ug/l	97
12) 1,1-Dichloroethene	4.082	96	150540	46.204	ug/l	94
13) Acrolein	3.930	56	116224	224.375	ug/l	99
14) Allyl chloride	4.704	41	263294	47.845	ug/l	88
15) Acrylonitrile	5.405	53	270572	239.878	ug/l	98
16) Acetone	4.161	43	264513	226.556	ug/l	99
17) Carbon Disulfide	4.423	76	416819	46.888	ug/l	99
18) Methyl Acetate	4.710	43	180500	53.969	ug/l	97
19) Methyl tert-butyl Ether	5.460	73	308939	48.143	ug/l	97
20) Methylene Chloride	4.954	84	182336	46.839	ug/l	92
21) trans-1,2-Dichloroethene	5.460	96	170174	47.176	ug/l	98
22) Diisopropyl ether	6.344	45	548474	47.923	ug/l	93
23) Vinyl Acetate	6.283	43	1815632	237.512	ug/l	100
24) 1,1-Dichloroethane	6.246	63	327109	47.045	ug/l	99
25) 2-Butanone	7.191	43	378087	237.771	ug/l	97
26) 2,2-Dichloropropane	7.191	77	166572	46.834	ug/l	100
27) cis-1,2-Dichloroethene	7.191	96	207106	47.792	ug/l	94
28) Bromochloromethane	7.533	49	158249	48.374	ug/l	87
29) Tetrahydrofuran	7.551	42	247313	247.317	ug/l	94
30) Chloroform	7.697	83	331309	46.983	ug/l	99
31) Cyclohexane	7.971	56	263340	44.363	ug/l	98
32) 1,1,1-Trichloroethane	7.892	97	235925	47.214	ug/l	99
36) 1,1-Dichloropropene	8.093	75	232959	48.069	ug/l	97
37) Ethyl Acetate	7.276	43	153726	47.655	ug/l	99
38) Carbon Tetrachloride	8.081	117	213729	46.865	ug/l	95
39) Methylcyclohexane	9.343	83	276342	47.272	ug/l	97
40) Benzene	8.337	78	713410	46.964	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	86799	49.929	ug/l	92
42) 1,2-Dichloroethane	8.410	62	234579	47.194	ug/l	100
43) Isopropyl Acetate	8.435	43	275836	48.202	ug/l	100
44) Trichloroethene	9.099	130	165466	46.519	ug/l	84
45) 1,2-Dichloropropane	9.374	63	180898	47.709	ug/l	100
46) Dibromomethane	9.465	93	111827	47.962	ug/l	94
47) Bromodichloromethane	9.654	83	254689	47.759	ug/l	97
48) Methyl methacrylate	9.441	41	137281	49.341	ug/l #	92
49) 1,4-Dioxane	9.459	88	32650	1024.535	ug/l #	94
51) 4-Methyl-2-Pentanone	10.215	43	825948	249.195	ug/l	99
52) Toluene	10.392	92	454566	48.052	ug/l	99
53) t-1,3-Dichloropropene	10.611	75	253517	49.001	ug/l	99
54) cis-1,3-Dichloropropene	10.081	75	288719	48.447	ug/l	93
55) 1,1,2-Trichloroethane	10.788	97	148551	47.671	ug/l	97
56) Ethyl methacrylate	10.648	69	216484	49.633	ug/l	94
57) 1,3-Dichloropropane	10.934	76	264139	47.992	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.928	63	639919	275.675	ug/l	96
59) 2-Hexanone	10.971	43	581510	248.758	ug/l	99
60) Dibromochloromethane	11.129	129	172945	48.878	ug/l	96
61) 1,2-Dibromoethane	11.239	107	147146	48.427	ug/l	100
64) Tetrachloroethene	10.867	164	136139	46.522	ug/l	94
65) Chlorobenzene	11.660	112	502586	46.707	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.727	131	154835	46.199	ug/l	98
67) Ethyl Benzene	11.733	91	848140	47.287	ug/l	97
68) m/p-Xylenes	11.837	106	653426	94.476	ug/l	98
69) o-Xylene	12.166	106	311759	48.200	ug/l	100
70) Styrene	12.178	104	549550	48.664	ug/l	99
71) Bromoform	12.343	173	92293	48.043	ug/l #	100
73) Isopropylbenzene	12.465	105	780146	48.634	ug/l	100
74) N-amyl acetate	12.269	43	249273	48.711	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.715	83	189461	47.568	ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	141741m	45.812	ug/l	
77) Bromobenzene	12.745	156	191637	49.560	ug/l	90
78) n-propylbenzene	12.800	91	961286	47.974	ug/l	97
79) 2-Chlorotoluene	12.891	91	590868	48.227	ug/l	100
80) 1,3,5-Trimethylbenzene	12.940	105	682722	49.221	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.513	75	62771	51.537	ug/l	91
82) 4-Chlorotoluene	12.989	91	621247	47.694	ug/l	99
83) tert-Butylbenzene	13.202	119	552559	48.551	ug/l	99
84) 1,2,4-Trimethylbenzene	13.245	105	695101	49.283	ug/l	100
85) sec-Butylbenzene	13.379	105	836597	48.102	ug/l	96
86) p-Isopropyltoluene	13.495	119	703465	48.747	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	375062	47.901	ug/l	98
88) 1,4-Dichlorobenzene	13.574	146	362915	46.354	ug/l	99
89) n-Butylbenzene	13.818	91	677726	48.100	ug/l	99
90) Hexachloroethane	14.092	117	122267	47.269	ug/l	90
91) 1,2-Dichlorobenzene	13.867	146	328681	46.437	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.483	75	34323	49.219	ug/l	87
93) 1,2,4-Trichlorobenzene	15.123	180	195251	46.003	ug/l	96
94) Hexachlorobutadiene	15.232	225	84805	43.703	ug/l	96
95) Naphthalene	15.360	128	514556	50.483	ug/l	99
96) 1,2,3-Trichlorobenzene	15.543	180	189852	47.458	ug/l	97

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

