

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100625\
 Data File : VW032352.D
 Acq On : 06 Oct 2025 12:01
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 10/07/2025
 Supervised By :Semsettin Yesilyurt 10/07/2025

Quant Time: Oct 07 03:41:30 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 02 21:24:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.965	168	247851	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	452046	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	430155	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	212714	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	190966	52.825	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 105.660%			
35) Dibromofluoromethane	7.898	113	154829	52.888	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 105.780%			
50) Toluene-d8	10.325	98	564871	52.280	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 104.560%			
62) 4-Bromofluorobenzene	12.617	95	213634	52.312	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 104.620%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.046	85	82657	53.145	ug/l	92
3) Chloromethane	2.253	50	119195	49.668	ug/l	100
4) Vinyl Chloride	2.405	62	150268	52.448	ug/l	100
5) Bromomethane	2.820	94	108146	51.364	ug/l	92
6) Chloroethane	2.972	64	100990	53.389	ug/l	98
7) Trichlorofluoromethane	3.302	101	119475	55.695	ug/l	98
8) Diethyl Ether	3.722	74	100521	54.076	ug/l	86
9) 1,1,2-Trichlorotrifluo...	4.100	101	139189	54.096	ug/l	93
10) Methyl Iodide	4.314	142	195621	53.285	ug/l	98
11) Tert butyl alcohol	5.222	59	74643	272.783	ug/l	97
12) 1,1-Dichloroethene	4.076	96	151891	54.376	ug/l	86
13) Acrolein	3.930	56	85592	192.733	ug/l	96
14) Allyl chloride	4.710	41	245822	52.102	ug/l	89
15) Acrylonitrile	5.405	53	269382	278.561	ug/l	99
16) Acetone	4.161	43	237623	237.389	ug/l	99
17) Carbon Disulfide	4.423	76	405496	53.204	ug/l	99
18) Methyl Acetate	4.710	43	169396	59.076	ug/l	98
19) Methyl tert-butyl Ether	5.472	73	292130	53.098	ug/l	96
20) Methylene Chloride	4.954	84	192447	59.045	ug/l	95
21) trans-1,2-Dichloroethene	5.460	96	172020	55.623	ug/l	97
22) Diisopropyl ether	6.344	45	550658	56.120	ug/l	94
23) Vinyl Acetate	6.283	43	1808270	275.909	ug/l	99
24) 1,1-Dichloroethane	6.240	63	326026	54.691	ug/l	97
25) 2-Butanone	7.197	43	366259	268.658	ug/l	99
26) 2,2-Dichloropropane	7.191	77	157761	51.737	ug/l	100
27) cis-1,2-Dichloroethene	7.191	96	205528	55.320	ug/l	96
28) Bromochloromethane	7.533	49	155545	55.459	ug/l	86
29) Tetrahydrofuran	7.557	42	246167	287.131	ug/l	94
30) Chloroform	7.697	83	351811	58.192	ug/l	97
31) Cyclohexane	7.972	56	257416	50.581	ug/l	99
32) 1,1,1-Trichloroethane	7.886	97	232800	54.340	ug/l	99
36) 1,1-Dichloropropene	8.093	75	230649	55.826	ug/l	97
37) Ethyl Acetate	7.277	43	157545	57.289	ug/l	99
38) Carbon Tetrachloride	8.081	117	216564	55.702	ug/l	88
39) Methylcyclohexane	9.343	83	273421	54.865	ug/l	96
40) Benzene	8.337	78	730755	56.428	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	92688	62.541	ug/l	87
42) 1,2-Dichloroethane	8.410	62	243096	57.369	ug/l	100
43) Isopropyl Acetate	8.435	43	276979	56.776	ug/l	99
44) Trichloroethene	9.105	130	163671	53.976	ug/l	86
45) 1,2-Dichloropropane	9.374	63	182159	56.354	ug/l	99
46) Dibromomethane	9.465	93	116063	58.392	ug/l	95
47) Bromodichloromethane	9.654	83	259612	57.105	ug/l	95
48) Methyl methacrylate	9.441	41	135024	56.926	ug/l	94
49) 1,4-Dioxane	9.459	88	33091	1218.023	ug/l	90
51) 4-Methyl-2-Pentanone	10.215	43	831462	294.259	ug/l	100
52) Toluene	10.392	92	459525	56.980	ug/l	100
53) t-1,3-Dichloropropene	10.611	75	248520	56.346	ug/l	100
54) cis-1,3-Dichloropropene	10.075	75	281897	55.486	ug/l	94
55) 1,1,2-Trichloroethane	10.788	97	153628	57.830	ug/l	95
56) Ethyl methacrylate	10.648	69	218425	58.742	ug/l	95
57) 1,3-Dichloropropane	10.934	76	274589	58.523	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.928	63	586761	296.508	ug/l	95
59) 2-Hexanone	10.971	43	591893	297.006	ug/l	99
60) Dibromochloromethane	11.129	129	173697	57.583	ug/l	96
61) 1,2-Dibromoethane	11.239	107	148523	57.337	ug/l	99
64) Tetrachloroethene	10.867	164	136703	53.111	ug/l	92
65) Chlorobenzene	11.654	112	511050	53.997	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.727	131	161929	54.931	ug/l	100
67) Ethyl Benzene	11.727	91	854532	54.166	ug/l	100
68) m/p-Xylenes	11.837	106	671879	110.444	ug/l	99
69) o-Xylene	12.166	106	313149	55.044	ug/l	100
70) Styrene	12.178	104	567862	57.170	ug/l	98
71) Bromoform	12.349	173	93570	55.377	ug/l #	100
73) Isopropylbenzene	12.465	105	792558	54.460	ug/l	98
74) N-amyl acetate	12.270	43	253850	54.678	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.708	83	199096	55.098	ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	148378m	53.007	ug/l	
77) Bromobenzene	12.739	156	195667	55.776	ug/l	94
78) n-propylbenzene	12.800	91	1005577	55.317	ug/l	97
79) 2-Chlorotoluene	12.891	91	606158	54.535	ug/l	98
80) 1,3,5-Trimethylbenzene	12.940	105	688105	54.682	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.507	75	61362	55.533	ug/l	95
82) 4-Chlorotoluene	12.989	91	632966	53.563	ug/l	100
83) tert-Butylbenzene	13.202	119	577724	55.954	ug/l	99
84) 1,2,4-Trimethylbenzene	13.245	105	696089	54.400	ug/l	100
85) sec-Butylbenzene	13.379	105	846350	53.639	ug/l	98
86) p-Isopropyltoluene	13.495	119	716632	54.737	ug/l	100
87) 1,3-Dichlorobenzene	13.495	146	384863	54.179	ug/l	96
88) 1,4-Dichlorobenzene	13.574	146	378551	53.295	ug/l	96
89) n-Butylbenzene	13.818	91	706886	55.300	ug/l	97
90) Hexachloroethane	14.092	117	126742	54.009	ug/l	92
91) 1,2-Dichlorobenzene	13.867	146	349135	54.371	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.483	75	34773	54.963	ug/l	88
93) 1,2,4-Trichlorobenzene	15.123	180	207830	53.974	ug/l	97
94) Hexachlorobutadiene	15.226	225	86436	49.099	ug/l	94
95) Naphthalene	15.360	128	517823	55.999	ug/l	100
96) 1,2,3-Trichlorobenzene	15.549	180	192409	53.015	ug/l	98

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

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