

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100725\
 Data File : VW032370.D
 Acq On : 07 Oct 2025 09:25
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : Semsettin
 Yesilyurt

10/10/2025
 Supervised By : Mahesh
 Dadoda

Quant Time: Oct 08 03:16:45 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	263173	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	474540	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.636	117	437165	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	211271	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	199344	51.932	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	= 103.860%	
35) Dibromofluoromethane	7.898	113	160775	52.316	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	= 104.640%	
50) Toluene-d8	10.325	98	611436	53.907	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	= 107.820%	
62) 4-Bromofluorobenzene	12.617	95	223893	52.225	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	= 104.460%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.046	85	88724	53.725	ug/l	96
3) Chloromethane	2.253	50	120450	47.268	ug/l	99
4) Vinyl Chloride	2.405	62	153360	50.411	ug/l	100
5) Bromomethane	2.820	94	111161	49.722	ug/l	95
6) Chloroethane	2.966	64	104717	52.136	ug/l	99
7) Trichlorofluoromethane	3.308	101	124874	54.822	ug/l	97
8) Diethyl Ether	3.722	74	100625	50.981	ug/l	88
9) 1,1,2-Trichlorotrifluo...	4.100	101	141261	51.705	ug/l	94
10) Methyl Iodide	4.308	142	202338	51.906	ug/l	98
11) Tert butyl alcohol	5.216	59	72179	248.421	ug/l	98
12) 1,1-Dichloroethene	4.082	96	152678	51.476	ug/l	91
13) Acrolein	3.930	56	75515	160.142	ug/l	99
14) Allyl chloride	4.704	41	246862	49.277	ug/l	89
15) Acrylonitrile	5.405	53	272420	265.302	ug/l	97
16) Acetone	4.155	43	258497	243.208	ug/l	98
17) Carbon Disulfide	4.423	76	415024	51.283	ug/l	99
18) Methyl Acetate	4.710	43	155893	51.202	ug/l	98
19) Methyl tert-butyl Ether	5.466	73	295256	50.542	ug/l	95
20) Methylene Chloride	4.954	84	177218	50.412	ug/l	94
21) trans-1,2-Dichloroethene	5.460	96	173685	52.892	ug/l	97
22) Diisopropyl ether	6.344	45	545969	52.403	ug/l #	91
23) Vinyl Acetate	6.283	43	1863619	267.799	ug/l	100
24) 1,1-Dichloroethane	6.240	63	330109	52.152	ug/l	99
25) 2-Butanone	7.197	43	361676	249.851	ug/l	100
26) 2,2-Dichloropropane	7.191	77	168584	52.068	ug/l	100
27) cis-1,2-Dichloroethene	7.191	96	204850	51.927	ug/l	95
28) Bromochloromethane	7.533	49	152916	51.347	ug/l	88
29) Tetrahydrofuran	7.551	42	244508	268.592	ug/l	94
30) Chloroform	7.697	83	343371	53.489	ug/l	99
31) Cyclohexane	7.972	56	269386	49.851	ug/l	98
32) 1,1,1-Trichloroethane	7.892	97	236373	51.962	ug/l	98
36) 1,1-Dichloropropene	8.093	75	237995	54.874	ug/l	98
37) Ethyl Acetate	7.277	43	159047	55.093	ug/l	98
38) Carbon Tetrachloride	8.087	117	221447	54.258	ug/l	98
39) Methylcyclohexane	9.343	83	282882	54.072	ug/l	97
40) Benzene	8.337	78	728255	53.569	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	83077	53.399	ug/l	94
42) 1,2-Dichloroethane	8.410	62	240125	53.982	ug/l	100
43) Isopropyl Acetate	8.435	43	277070	54.102	ug/l	99
44) Trichloroethene	9.099	130	166461	52.294	ug/l	95
45) 1,2-Dichloropropane	9.374	63	184829	54.469	ug/l	99
46) Dibromomethane	9.465	93	111989	53.671	ug/l	94
47) Bromodichloromethane	9.654	83	261545	54.803	ug/l	99
48) Methyl methacrylate	9.441	41	136800	54.941	ug/l #	92
49) 1,4-Dioxane	9.465	88	33584	1177.573	ug/l	93
51) 4-Methyl-2-Pentanone	10.215	43	838310	282.620	ug/l	99
52) Toluene	10.392	92	460320	54.373	ug/l	100
53) t-1,3-Dichloropropene	10.611	75	246687	53.279	ug/l	97
54) cis-1,3-Dichloropropene	10.075	75	288782	54.146	ug/l	97
55) 1,1,2-Trichloroethane	10.788	97	155028	55.590	ug/l	93
56) Ethyl methacrylate	10.648	69	218016	55.853	ug/l	95
57) 1,3-Dichloropropane	10.934	76	273190	55.465	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.928	63	613647	295.395	ug/l	94
59) 2-Hexanone	10.971	43	583588	278.958	ug/l	100
60) Dibromochloromethane	11.136	129	179317	56.629	ug/l	98
61) 1,2-Dibromoethane	11.239	107	146654	53.932	ug/l	95
64) Tetrachloroethene	10.861	164	134492	51.414	ug/l	90
65) Chlorobenzene	11.660	112	509941	53.015	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.727	131	167879	56.036	ug/l	100
67) Ethyl Benzene	11.733	91	867728	54.121	ug/l	94
68) m/p-Xylenes	11.837	106	686109	110.975	ug/l	100
69) o-Xylene	12.166	106	310233	53.657	ug/l	95
70) Styrene	12.178	104	569021	56.369	ug/l	98
71) Bromoform	12.349	173	92604	53.926	ug/l #	100
73) Isopropylbenzene	12.465	105	801597	55.458	ug/l	99
74) N-amyl acetate	12.270	43	258480	56.056	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.715	83	198387	55.277	ug/l	100
76) 1,2,3-Trichloropropane	12.763	75	146697m	52.764	ug/l	
77) Bromobenzene	12.745	156	196587	56.421	ug/l	90
78) n-propylbenzene	12.800	91	1029601	57.025	ug/l	98
79) 2-Chlorotoluene	12.891	91	606310	54.921	ug/l	99
80) 1,3,5-Trimethylbenzene	12.940	105	697127	55.777	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.513	75	65318	59.516	ug/l	93
82) 4-Chlorotoluene	12.983	91	648269	55.232	ug/l	98
83) tert-Butylbenzene	13.202	119	567818	55.370	ug/l	97
84) 1,2,4-Trimethylbenzene	13.251	105	724799	57.031	ug/l	99
85) sec-Butylbenzene	13.379	105	854584	54.531	ug/l	98
86) p-Isopropyltoluene	13.495	119	740308	56.932	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	389932	55.267	ug/l	97
88) 1,4-Dichlorobenzene	13.574	146	382429	54.209	ug/l	97
89) n-Butylbenzene	13.818	91	715848	56.383	ug/l	99
90) Hexachloroethane	14.086	117	131699	56.505	ug/l	91
91) 1,2-Dichlorobenzene	13.867	146	352083	55.204	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	14.476	75	33872	53.905	ug/l	90
93) 1,2,4-Trichlorobenzene	15.129	180	196024	51.256	ug/l	93
94) Hexachlorobutadiene	15.226	225	99015	56.628	ug/l	97
95) Naphthalene	15.360	128	516468	56.234	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	184114	51.076	ug/l	96

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

Manual Integrations

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