

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091725\
 Data File : VW032190.D
 Acq On : 17 Sep 2025 15:21
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 09/18/2025
 Supervised By :Semsettin Yesilyurt 09/18/2025

Quant Time: Sep 18 04:36:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 27 04:13:40 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	193524	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	337094	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	310936	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	163314	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	141026	50.955	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	101.920%		
35) Dibromofluoromethane	7.904	113	115619	48.887	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	97.780%		
50) Toluene-d8	10.331	98	407316	49.060	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	98.120%		
62) 4-Bromofluorobenzene	12.617	95	148155	48.258	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	96.520%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.046	85	60899	47.663	ug/l	97
3) Chloromethane	2.259	50	74033	55.264	ug/l	99
4) Vinyl Chloride	2.405	62	94284	54.187	ug/l	100
5) Bromomethane	2.826	94	78653	50.620	ug/l	99
6) Chloroethane	2.978	64	68805	56.151	ug/l	98
7) Trichlorofluoromethane	3.308	101	95689	55.504	ug/l	98
8) Diethyl Ether	3.722	74	75004	58.298	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.106	101	108199	55.712	ug/l	97
10) Methyl Iodide	4.320	142	134370	45.438	ug/l	98
11) Tert butyl alcohol	5.222	59	44778	264.505	ug/l	99
12) 1,1-Dichloroethene	4.082	96	112893	55.196	ug/l	90
13) Acrolein	3.929	56	18221	70.020	ug/l	95
14) Allyl chloride	4.704	41	143654	49.446	ug/l	98
15) Acrylonitrile	5.405	53	170711	272.916	ug/l	98
16) Acetone	4.161	43	165116	275.472	ug/l	98
17) Carbon Disulfide	4.429	76	233948	45.733	ug/l	99
18) Methyl Acetate	4.710	43	117150	61.342	ug/l	100
19) Methyl tert-butyl Ether	5.466	73	205015	53.082	ug/l	99
20) Methylene Chloride	4.960	84	130074	53.431	ug/l	99
21) trans-1,2-Dichloroethene	5.466	96	111506	48.803	ug/l	94
22) Diisopropyl ether	6.344	45	339859	53.748	ug/l	98
23) Vinyl Acetate	6.289	43	1164218	270.809	ug/l	99
24) 1,1-Dichloroethane	6.246	63	212113	51.241	ug/l	98
25) 2-Butanone	7.197	43	234879	276.537	ug/l	97
26) 2,2-Dichloropropane	7.185	77	113771	51.899	ug/l	100
27) cis-1,2-Dichloroethene	7.191	96	141858	51.022	ug/l	98
28) Bromochloromethane	7.538	49	100198	52.876	ug/l	94
29) Tetrahydrofuran	7.551	42	153955	285.242	ug/l	99
30) Chloroform	7.691	83	246034	52.057	ug/l	95
31) Cyclohexane	7.971	56	161094	47.413	ug/l	99
32) 1,1,1-Trichloroethane	7.886	97	176346	51.113	ug/l	99
36) 1,1-Dichloropropene	8.093	75	155333	50.656	ug/l	99
37) Ethyl Acetate	7.276	43	102912	55.945	ug/l	99
38) Carbon Tetrachloride	8.081	117	166009	50.501	ug/l	99
39) Methylcyclohexane	9.343	83	180526	49.704	ug/l	99
40) Benzene	8.337	78	476562	50.277	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	58226	56.972	ug/l	90
42) 1,2-Dichloroethane	8.416	62	170751	51.964	ug/l	100
43) Isopropyl Acetate	8.435	43	188658	54.668	ug/l	99
44) Trichloroethene	9.099	130	115390	48.408	ug/l	99
45) 1,2-Dichloropropane	9.374	63	116521	50.994	ug/l	98
46) Dibromomethane	9.465	93	82188	51.282	ug/l	95
47) Bromodichloromethane	9.654	83	187354	51.442	ug/l	96
48) Methyl methacrylate	9.447	41	87773	55.190	ug/l	99
49) 1,4-Dioxane	9.465	88	22330	1153.175	ug/l	98
51) 4-Methyl-2-Pentanone	10.215	43	555195	284.919	ug/l	98
52) Toluene	10.392	92	312286	50.416	ug/l	100
53) t-1,3-Dichloropropene	10.611	75	170596	53.097	ug/l	99
54) cis-1,3-Dichloropropene	10.075	75	189482	51.686	ug/l	97
55) 1,1,2-Trichloroethane	10.788	97	106040	50.882	ug/l	97
56) Ethyl methacrylate	10.648	69	146686	55.054	ug/l	97
57) 1,3-Dichloropropane	10.934	76	179708	51.498	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.928	63	403794	283.936	ug/l	100
59) 2-Hexanone	10.971	43	395380	291.749	ug/l	97
60) Dibromochloromethane	11.129	129	123033	48.788	ug/l	95
61) 1,2-Dibromoethane	11.239	107	101271	49.414	ug/l	95
64) Tetrachloroethene	10.867	164	97998	47.886	ug/l	96
65) Chlorobenzene	11.660	112	347960	49.165	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.727	131	114078	48.959	ug/l	99
67) Ethyl Benzene	11.733	91	595661	51.369	ug/l	98
68) m/p-Xylenes	11.836	106	460708	103.233	ug/l	100
69) o-Xylene	12.166	106	214529	50.820	ug/l	99
70) Styrene	12.178	104	387257	52.041	ug/l	99
71) Bromoform	12.349	173	71598	51.737	ug/l #	93
73) Isopropylbenzene	12.464	105	565259	50.947	ug/l	99
74) N-amyl acetate	12.269	43	174627	54.212	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.714	83	137472	52.137	ug/l	100
76) 1,2,3-Trichloropropane	12.763	75	103342m	50.509	ug/l	
77) Bromobenzene	12.745	156	137940	48.754	ug/l	97
78) n-propylbenzene	12.800	91	695042	51.599	ug/l	96
79) 2-Chlorotoluene	12.891	91	419252	50.898	ug/l	98
80) 1,3,5-Trimethylbenzene	12.940	105	484695	51.598	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.507	75	40996	53.949	ug/l	98
82) 4-Chlorotoluene	12.989	91	431517	48.941	ug/l	100
83) tert-Butylbenzene	13.202	119	404144	50.741	ug/l	96
84) 1,2,4-Trimethylbenzene	13.245	105	484237	49.826	ug/l	98
85) sec-Butylbenzene	13.379	105	602350	50.652	ug/l	99
86) p-Isopropyltoluene	13.495	119	506339	50.068	ug/l	98
87) 1,3-Dichlorobenzene	13.495	146	278782	48.937	ug/l	98
88) 1,4-Dichlorobenzene	13.574	146	273527	47.902	ug/l	95
89) n-Butylbenzene	13.818	91	489669	50.787	ug/l	99
90) Hexachloroethane	14.086	117	91651	49.546	ug/l	96
91) 1,2-Dichlorobenzene	13.867	146	252861	50.134	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.476	75	24742	53.116	ug/l	89
93) 1,2,4-Trichlorobenzene	15.129	180	143213	44.442	ug/l	97
94) Hexachlorobutadiene	15.232	225	69373	43.407	ug/l	99
95) Naphthalene	15.360	128	382120	52.396	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	140323	46.823	ug/l	97

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

