

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092425\
 Data File : VW032256.D
 Acq On : 24 Sep 2025 19:46
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 09/26/2025
 Supervised By :Semsettin Yesilyurt 09/26/2025

Quant Time: Sep 25 08:19:28 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	7.965	168	185202	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	312275	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	298404	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	160824	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	137622	51.960	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 103.920%			
35) Dibromofluoromethane	7.904	113	113088	51.617	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 103.240%			
50) Toluene-d8	10.331	98	398124	51.764	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 103.520%			
62) 4-Bromofluorobenzene	12.617	95	149726	52.646	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 105.300%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.045	85	48365	39.554	ug/l	93
3) Chloromethane	2.259	50	55994	43.676	ug/l	96
4) Vinyl Chloride	2.411	62	75759	45.497	ug/l	94
5) Bromomethane	2.826	94	65689	44.176	ug/l	100
6) Chloroethane	2.972	64	56340	48.044	ug/l	99
7) Trichlorofluoromethane	3.307	101	76906	46.613	ug/l	88
8) Diethyl Ether	3.722	74	61277	49.769	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.100	101	90479	48.681	ug/l	100
10) Methyl Iodide	4.313	142	141154	49.877	ug/l	100
11) Tert butyl alcohol	5.222	59	38659	238.621	ug/l	99
12) 1,1-Dichloroethene	4.082	96	97011	49.562	ug/l	98
13) Acrolein	3.929	56	6640	26.663	ug/l	84
14) Allyl chloride	4.710	41	134336	48.317	ug/l	100
15) Acrylonitrile	5.405	53	163696	273.461	ug/l	98
16) Acetone	4.161	43	123683	215.619	ug/l	100
17) Carbon Disulfide	4.423	76	214594	43.834	ug/l	100
18) Methyl Acetate	4.710	43	134719	73.712	ug/l	97
19) Methyl tert-butyl Ether	5.472	73	202426	54.766	ug/l	98
20) Methylene Chloride	4.960	84	123790	53.097	ug/l	97
21) trans-1,2-Dichloroethene	5.459	96	111017	50.772	ug/l	93
22) Diisopropyl ether	6.343	45	327621	54.141	ug/l	99
23) Vinyl Acetate	6.289	43	982934	238.914	ug/l	99
24) 1,1-Dichloroethane	6.252	63	208593	52.655	ug/l	100
25) 2-Butanone	7.197	43	217685	267.810	ug/l	94
26) 2,2-Dichloropropane	7.191	77	97345	46.401	ug/l	97
27) cis-1,2-Dichloroethene	7.191	96	141252	53.087	ug/l	98
28) Bromochloromethane	7.532	49	94953	52.360	ug/l	96
29) Tetrahydrofuran	7.557	42	141667	274.269	ug/l	99
30) Chloroform	7.697	83	242542	53.624	ug/l	100
31) Cyclohexane	7.971	56	144727	44.510	ug/l	96
32) 1,1,1-Trichloroethane	7.892	97	170575	51.662	ug/l	99
36) 1,1-Dichloropropene	8.099	75	147960	52.086	ug/l	99
37) Ethyl Acetate	7.276	43	86770	50.919	ug/l	99
38) Carbon Tetrachloride	8.087	117	154848	50.849	ug/l	99
39) Methylcyclohexane	9.343	83	168995	50.227	ug/l	99
40) Benzene	8.337	78	475029	54.098	ug/l	94

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41) Methacrylonitrile	7.508	41	54138	57.182	ug/l	94
42) 1,2-Dichloroethane	8.416	62	167394	54.991	ug/l	100
43) Isopropyl Acetate	8.441	43	168058	52.569	ug/l	98
44) Trichloroethene	9.105	130	118931	53.858	ug/l	84
45) 1,2-Dichloropropane	9.373	63	116074	54.836	ug/l	98
46) Dibromomethane	9.465	93	82731	55.724	ug/l	96
47) Bromodichloromethane	9.654	83	184997	54.832	ug/l	91
48) Methyl methacrylate	9.447	41	81125	55.064	ug/l	94
49) 1,4-Dioxane	9.465	88	19282	1074.911	ug/l #	91
51) 4-Methyl-2-Pentanone	10.215	43	516678	286.226	ug/l	100
52) Toluene	10.392	92	306004	53.329	ug/l	97
53) t-1,3-Dichloropropene	10.611	75	159321	53.529	ug/l	99
54) cis-1,3-Dichloropropene	10.081	75	180768	53.228	ug/l	98
55) 1,1,2-Trichloroethane	10.788	97	109433	56.683	ug/l	96
56) Ethyl methacrylate	10.648	69	142009	57.535	ug/l	99
57) 1,3-Dichloropropane	10.934	76	179878	55.644	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.928	63	391195	296.939	ug/l	100
59) 2-Hexanone	10.971	43	361289	287.782	ug/l	100
60) Dibromochloromethane	11.129	129	130907	56.036	ug/l	99
61) 1,2-Dibromoethane	11.239	107	106650	56.174	ug/l	98
64) Tetrachloroethene	10.867	164	108769	55.382	ug/l	98
65) Chlorobenzene	11.660	112	353230	52.006	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.733	131	123700	55.318	ug/l	97
67) Ethyl Benzene	11.733	91	599619	53.882	ug/l	98
68) m/p-Xylenes	11.842	106	462709	108.036	ug/l	99
69) o-Xylene	12.166	106	218665	53.976	ug/l	99
70) Styrene	12.178	104	399555	55.949	ug/l	97
71) Bromoform	12.349	173	73295	55.187	ug/l #	98
73) Isopropylbenzene	12.464	105	555253	50.820	ug/l	99
74) N-amyl acetate	12.269	43	151969	47.908	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.714	83	133849	51.549	ug/l	97
76) 1,2,3-Trichloropropane	12.763	75	105342m	52.284	ug/l	
77) Bromobenzene	12.745	156	147313	52.873	ug/l	96
78) n-propylbenzene	12.806	91	684768	51.623	ug/l	99
79) 2-Chlorotoluene	12.891	91	416791	51.383	ug/l	100
80) 1,3,5-Trimethylbenzene	12.940	105	477537	51.623	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.513	75	36806	49.185	ug/l	100
82) 4-Chlorotoluene	12.989	91	446930	51.474	ug/l	99
83) tert-Butylbenzene	13.202	119	418251	53.325	ug/l	99
84) 1,2,4-Trimethylbenzene	13.245	105	485584	50.738	ug/l	99
85) sec-Butylbenzene	13.379	105	599818	51.220	ug/l	100
86) p-Isopropyltoluene	13.495	119	510555	51.267	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	291319	51.929	ug/l	99
88) 1,4-Dichlorobenzene	13.574	146	292388	51.998	ug/l	94
89) n-Butylbenzene	13.818	91	489588	51.565	ug/l	97
90) Hexachloroethane	14.092	117	91652	50.314	ug/l	98
91) 1,2-Dichlorobenzene	13.867	146	266065	53.568	ug/l	93
92) 1,2-Dibromo-3-Chloropr...	14.476	75	23115	50.391	ug/l	97
93) 1,2,4-Trichlorobenzene	15.128	180	156620	49.355	ug/l	95
94) Hexachlorobutadiene	15.226	225	74537	47.360	ug/l	94
95) Naphthalene	15.360	128	397687	55.375	ug/l	100
96) 1,2,3-Trichlorobenzene	15.549	180	147916	50.121	ug/l	98

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

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