

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
 Data File : VW032080.D
 Acq On : 14 Aug 2025 09:27
 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 08/19/2025
 Supervised By : Mahesh Dadoda 08/19/2025

Quant Time: Aug 18 03:44:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 12 04:04:48 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	209331	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	369087	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	337227	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	174813	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	152426	50.347	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 100.700%			
35) Dibromofluoromethane	7.904	113	127528	53.483	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 106.960%			
50) Toluene-d8	10.324	98	452920	51.355	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 102.720%			
62) 4-Bromofluorobenzene	12.617	95	163398	50.275	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 100.560%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.045	85	74536	49.784	ug/l	98
3) Chloromethane	2.253	50	89872	44.563	ug/l	95
4) Vinyl Chloride	2.405	62	116200	47.634	ug/l	98
5) Bromomethane	2.820	94	98568	53.858	ug/l	100
6) Chloroethane	2.972	64	82661	51.208	ug/l	98
7) Trichlorofluoromethane	3.307	101	112860	57.752	ug/l	96
8) Diethyl Ether	3.716	74	86491	54.020	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.106	101	127479	55.292	ug/l	96
10) Methyl Iodide	4.313	142	168357	51.502	ug/l	96
11) Tert butyl alcohol	5.222	59	47413	241.851	ug/l	100
12) 1,1-Dichloroethene	4.076	96	137220	54.052	ug/l	94
13) Acrolein	3.935	56	45869	146.845	ug/l	99
14) Allyl chloride	4.704	41	166676	45.111	ug/l #	87
15) Acrylonitrile	5.405	53	193220	253.370	ug/l	99
16) Acetone	4.161	43	207328	295.783	ug/l	97
17) Carbon Disulfide	4.423	76	306638	45.000	ug/l	97
18) Methyl Acetate	4.710	43	112047	50.516	ug/l	99
19) Methyl tert-butyl Ether	5.466	73	225122	50.329	ug/l	97
20) Methylene Chloride	4.960	84	139212	42.955	ug/l	98
21) trans-1,2-Dichloroethene	5.459	96	134920	50.080	ug/l	98
22) Diisopropyl ether	6.337	45	389232	49.971	ug/l	92
23) Vinyl Acetate	6.282	43	1373340	268.547	ug/l	99
24) 1,1-Dichloroethane	6.246	63	245164	49.263	ug/l	99
25) 2-Butanone	7.197	43	270175	271.199	ug/l	99
26) 2,2-Dichloropropane	7.185	77	124724	49.956	ug/l	99
27) cis-1,2-Dichloroethene	7.191	96	163086	51.787	ug/l	97
28) Bromochloromethane	7.532	49	106726	47.126	ug/l	97
29) Tetrahydrofuran	7.557	42	172032	261.846	ug/l	100
30) Chloroform	7.691	83	279930	53.058	ug/l	99
31) Cyclohexane	7.971	56	194201	45.011	ug/l	99
32) 1,1,1-Trichloroethane	7.886	97	196892	51.378	ug/l	99
36) 1,1-Dichloropropene	8.093	75	178210	53.016	ug/l	98
37) Ethyl Acetate	7.276	43	115111	58.145	ug/l	96
38) Carbon Tetrachloride	8.081	117	189059	58.281	ug/l	98
39) Methylcyclohexane	9.343	83	213123	52.018	ug/l	96
40) Benzene	8.337	78	563104	53.892	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	61383m	54.674	ug/l	
42) 1,2-Dichloroethane	8.410	62	193320	57.820	ug/l	98
43) Isopropyl Acetate	8.435	43	208154	57.148	ug/l	98
44) Trichloroethene	9.105	130	139933	56.237	ug/l	89
45) 1,2-Dichloropropane	9.373	63	135567	53.705	ug/l	100
46) Dibromomethane	9.465	93	95991	58.920	ug/l	99
47) Bromodichloromethane	9.654	83	214831	57.226	ug/l	100
48) Methyl methacrylate	9.440	41	97630	55.521	ug/l #	88
49) 1,4-Dioxane	9.465	88	23861	1132.752	ug/l	98
51) 4-Methyl-2-Pentanone	10.215	43	613885	298.600	ug/l	96
52) Toluene	10.392	92	360912	54.839	ug/l	99
53) t-1,3-Dichloropropene	10.611	75	196142	55.768	ug/l	100
54) cis-1,3-Dichloropropene	10.074	75	219444	54.997	ug/l	93
55) 1,1,2-Trichloroethane	10.788	97	122561	56.613	ug/l	98
56) Ethyl methacrylate	10.648	69	164035	56.621	ug/l #	91
57) 1,3-Dichloropropane	10.934	76	206568	54.740	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.928	63	410338	256.070	ug/l	99
59) 2-Hexanone	10.971	43	431742	303.226	ug/l	96
60) Dibromochloromethane	11.129	129	149280	60.364	ug/l	99
61) 1,2-Dibromoethane	11.239	107	122248	58.108	ug/l	98
64) Tetrachloroethene	10.867	164	112551	57.783	ug/l	91
65) Chlorobenzene	11.660	112	410189	55.882	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.727	131	133382	58.241	ug/l	98
67) Ethyl Benzene	11.733	91	677681	54.505	ug/l	96
68) m/p-Xylenes	11.836	106	540433	112.646	ug/l	97
69) o-Xylene	12.166	106	257799	58.137	ug/l	97
70) Styrene	12.178	104	455535	57.835	ug/l	99
71) Bromoform	12.348	173	83619	63.831	ug/l #	99
73) Isopropylbenzene	12.464	105	639037	52.307	ug/l	99
74) N-amyl acetate	12.269	43	194883	55.601	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.714	83	151408	52.197	ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	111615m	47.043	ug/l	
77) Bromobenzene	12.745	156	156846	53.753	ug/l	93
78) n-propylbenzene	12.800	91	803277	53.406	ug/l	100
79) 2-Chlorotoluene	12.891	91	475026	51.172	ug/l	98
80) 1,3,5-Trimethylbenzene	12.940	105	559898	53.983	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.507	75	46191	50.402	ug/l	91
82) 4-Chlorotoluene	12.989	91	510140	51.725	ug/l	97
83) tert-Butylbenzene	13.202	119	472615	54.905	ug/l	98
84) 1,2,4-Trimethylbenzene	13.245	105	560238	53.062	ug/l	98
85) sec-Butylbenzene	13.379	105	672760	51.695	ug/l	99
86) p-Isopropyltoluene	13.495	119	580472	53.502	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	326126	56.169	ug/l	98
88) 1,4-Dichlorobenzene	13.574	146	320333	54.595	ug/l	97
89) n-Butylbenzene	13.818	91	565150	53.618	ug/l	99
90) Hexachloroethane	14.086	117	102479	51.649	ug/l	96
91) 1,2-Dichlorobenzene	13.866	146	296975	56.464	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.482	75	27059	52.473	ug/l	96
93) 1,2,4-Trichlorobenzene	15.128	180	173211	55.052	ug/l	98
94) Hexachlorobutadiene	15.226	225	81528	57.968	ug/l	91
95) Naphthalene	15.360	128	444478	57.653	ug/l	99
96) 1,2,3-Trichlorobenzene	15.543	180	162937	56.917	ug/l	93

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

