

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112125\
 Data File : VW032520.D
 Acq On : 21 Nov 2025 10:53
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Quant Time: Nov 26 01:18:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 11 03:48:21 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :John Carlone 12/01/2025
 Supervised By :Mahesh Dadoda 12/01/2025

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

Internal Standards						
1) Pentafluorobenzene	7.965	168	326932	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	608350	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	567953	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	253844	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	239859	56.907	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 113.820%			
35) Dibromofluoromethane	7.898	113	202307	55.543	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 111.080%			
50) Toluene-d8	10.325	98	770013	55.106	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 110.220%			
62) 4-Bromofluorobenzene	12.617	95	287931	54.548	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 109.100%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.039	85	84935	51.205	ug/l	93
3) Chloromethane	2.253	50	150860	53.061	ug/l	97
4) Vinyl Chloride	2.405	62	184127	51.314	ug/l	94
5) Bromomethane	2.826	94	126406	52.664	ug/l	97
6) Chloroethane	2.972	64	124624	53.086	ug/l	94
7) Trichlorofluoromethane	3.308	101	139462	49.573	ug/l	92
8) Diethyl Ether	3.722	74	122134	53.100	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.106	101	161258	52.620	ug/l	99
10) Methyl Iodide	4.307	142	255738	51.812	ug/l	100
11) Tert butyl alcohol	5.222	59	87328	239.606	ug/l	98
12) 1,1-Dichloroethene	4.082	96	185967	52.921	ug/l	95
13) Acrolein	3.935	56	85880	140.441	ug/l	99
14) Allyl chloride	4.704	41	356492	52.754	ug/l	99
15) Acrylonitrile	5.399	53	370920	278.913	ug/l	100
16) Acetone	4.161	43	330110	261.783	ug/l	98
17) Carbon Disulfide	4.423	76	527785	50.816	ug/l	100
18) Methyl Acetate	4.710	43	199381	63.849	ug/l	99
19) Methyl tert-butyl Ether	5.472	73	392313	52.962	ug/l	98
20) Methylene Chloride	4.954	84	240003	53.220	ug/l	99
21) trans-1,2-Dichloroethene	5.460	96	216802	53.956	ug/l	98
22) Diisopropyl ether	6.344	45	765481	55.635	ug/l	95
23) Vinyl Acetate	6.283	43	2536231	269.048	ug/l	98
24) 1,1-Dichloroethane	6.246	63	428088	56.789	ug/l	100
25) 2-Butanone	7.191	43	499465	268.851	ug/l	99
26) 2,2-Dichloropropane	7.185	77	210018	49.991	ug/l	98
27) cis-1,2-Dichloroethene	7.191	96	264705	55.134	ug/l	99
28) Bromochloromethane	7.532	49	209546	58.814	ug/l	98
29) Tetrahydrofuran	7.551	42	331126	280.819	ug/l	99
30) Chloroform	7.697	83	427317	57.905	ug/l	100
31) Cyclohexane	7.971	56	353462	50.690	ug/l	99
32) 1,1,1-Trichloroethane	7.886	97	283442	53.766	ug/l	97
36) 1,1-Dichloropropene	8.093	75	291804	54.374	ug/l	99
37) Ethyl Acetate	7.270	43	216368	54.219	ug/l	99
38) Carbon Tetrachloride	8.087	117	250674	52.569	ug/l	97
39) Methylcyclohexane	9.343	83	355573	51.145	ug/l	94
40) Benzene	8.337	78	942514	54.536	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	117517	53.608	ug/l	99
42) 1,2-Dichloroethane	8.410	62	284516	56.047	ug/l	100
43) Isopropyl Acetate	8.435	43	378096	53.508	ug/l	99
44) Trichloroethene	9.099	130	210627	52.375	ug/l	99
45) 1,2-Dichloropropane	9.373	63	242827	56.427	ug/l	96
46) Dibromomethane	9.465	93	138152	54.937	ug/l	99
47) Bromodichloromethane	9.648	83	318191	55.469	ug/l	97
48) Methyl methacrylate	9.441	41	175577	52.290	ug/l	93
49) 1,4-Dioxane	9.459	88	38438	1091.111	ug/l #	94
51) 4-Methyl-2-Pentanone	10.215	43	1116450	285.806	ug/l	99
52) Toluene	10.392	92	579784	54.312	ug/l	99
53) t-1,3-Dichloropropene	10.605	75	321397	54.403	ug/l	95
54) cis-1,3-Dichloropropene	10.075	75	373831	54.718	ug/l	97
55) 1,1,2-Trichloroethane	10.788	97	190668	55.269	ug/l	95
56) Ethyl methacrylate	10.648	69	283660	53.590	ug/l	98
57) 1,3-Dichloropropane	10.934	76	345492	56.073	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.928	63	788810	279.832	ug/l	100
59) 2-Hexanone	10.971	43	784843	274.613	ug/l	99
60) Dibromochloromethane	11.129	129	211593	54.924	ug/l	99
61) 1,2-Dibromoethane	11.239	107	183503	54.614	ug/l	99
64) Tetrachloroethene	10.867	164	172744	51.361	ug/l	87
65) Chlorobenzene	11.654	112	636525	51.998	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.733	131	199797	52.738	ug/l	97
67) Ethyl Benzene	11.727	91	1110782	52.442	ug/l	99
68) m/p-Xylenes	11.836	106	846726	106.470	ug/l	99
69) o-Xylene	12.166	106	397745	52.234	ug/l	99
70) Styrene	12.178	104	706752	53.954	ug/l	100
71) Bromoform	12.342	173	115051	51.272	ug/l	92
73) Isopropylbenzene	12.458	105	990036	53.104	ug/l	99
74) N-amyl acetate	12.269	43	346155	53.433	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.714	83	249981	56.500	ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	179610m	51.603	ug/l	
77) Bromobenzene	12.745	156	239931	54.356	ug/l	94
78) n-propylbenzene	12.800	91	1233457	54.328	ug/l	99
79) 2-Chlorotoluene	12.891	91	759079	54.769	ug/l	99
80) 1,3,5-Trimethylbenzene	12.940	105	851361	55.353	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.507	75	83477	54.932	ug/l	97
82) 4-Chlorotoluene	12.983	91	791238	54.889	ug/l	100
83) tert-Butylbenzene	13.202	119	708645	52.965	ug/l	99
84) 1,2,4-Trimethylbenzene	13.245	105	864245	55.245	ug/l	100
85) sec-Butylbenzene	13.379	105	1045793	52.483	ug/l	99
86) p-Isopropyltoluene	13.495	119	881536	53.581	ug/l	100
87) 1,3-Dichlorobenzene	13.495	146	467267	55.834	ug/l	97
88) 1,4-Dichlorobenzene	13.568	146	454634	53.025	ug/l	98
89) n-Butylbenzene	13.818	91	859874	53.496	ug/l	99
90) Hexachloroethane	14.086	117	153745	51.830	ug/l	100
91) 1,2-Dichlorobenzene	13.867	146	415548	54.090	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.476	75	40892	53.649	ug/l	98
93) 1,2,4-Trichlorobenzene	15.122	180	259845	53.150	ug/l	98
94) Hexachlorobutadiene	15.226	225	111981	55.141	ug/l	97
95) Naphthalene	15.360	128	650927	53.392	ug/l	100
96) 1,2,3-Trichlorobenzene	15.549	180	230631	51.961	ug/l	96

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

