

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
 Data File : VW031896.D
 Acq On : 22 Jul 2025 12:00
 Operator : SY/MD
 Sample : VSTDICC150
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC150

Quant Time: Jul 23 08:04:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 23 07:57:09 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 07/24/2025
 Supervised By : Mahesh Dadoda 07/24/2025

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	220427	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.849	114	410405	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	361839	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	160923	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	453594	136.031	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 272.060%#			
35) Dibromofluoromethane	7.898	113	399487	143.249	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 286.500%#			
50) Toluene-d8	10.324	98	1482591	140.469	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 280.940%#			
62) 4-Bromofluorobenzene	12.617	95	556999	137.437	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 274.880%#			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.045	85	236321	144.250	ug/l	97
3) Chloromethane	2.259	50	329540	156.720	ug/l	98
4) Vinyl Chloride	2.411	62	412456	151.000	ug/l	99
5) Bromomethane	2.820	94	302212	150.249	ug/l	100
6) Chloroethane	2.972	64	273738	151.843	ug/l	100
7) Trichlorofluoromethane	3.301	101	440230	159.125	ug/l	98
8) Diethyl Ether	3.722	74	261548	141.526	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.100	101	390066	146.583	ug/l	99
10) Methyl Iodide	4.307	142	595320	149.628	ug/l	99
11) Tert butyl alcohol	5.210	59	134310	685.235	ug/l	99
12) 1,1-Dichloroethene	4.076	96	442469	150.541	ug/l	93
13) Acrolein	3.929	56	164048	739.113	ug/l	99
14) Allyl chloride	4.697	41	703862	153.834	ug/l	99
15) Acrylonitrile	5.399	53	594863	719.982	ug/l	99
16) Acetone	4.155	43	538491	680.547	ug/l	100
17) Carbon Disulfide	4.417	76	1189183	156.005	ug/l	98
18) Methyl Acetate	4.704	43	318191	145.961	ug/l	100
19) Methyl tert-butyl Ether	5.466	73	688978	135.668	ug/l	98
20) Methylene Chloride	4.947	84	477228	150.364	ug/l	96
21) trans-1,2-Dichloroethene	5.460	96	470689	150.934	ug/l	96
22) Diisopropyl ether	6.337	45	1345510	146.962	ug/l	98
23) Vinyl Acetate	6.283	43	4440675	742.410	ug/l	99
24) 1,1-Dichloroethane	6.246	63	856816	150.310	ug/l	100
25) 2-Butanone	7.191	43	749073	691.906	ug/l	95
26) 2,2-Dichloropropane	7.185	77	489368	151.639	ug/l	98
27) cis-1,2-Dichloroethene	7.185	96	549658	149.926	ug/l	97
28) Bromochloromethane	7.526	49	350866	147.009	ug/l	97
29) Tetrahydrofuran	7.551	42	493192	694.835	ug/l	100
30) Chloroform	7.691	83	885019	148.076	ug/l	98
31) Cyclohexane	7.965	56	732101	143.155	ug/l	96
32) 1,1,1-Trichloroethane	7.886	97	682184	149.995	ug/l	98
36) 1,1-Dichloropropene	8.093	75	632279	147.634	ug/l	99
37) Ethyl Acetate	7.270	43	344416	140.974	ug/l	100
38) Carbon Tetrachloride	8.081	117	623463	151.686	ug/l	98
39) Methylcyclohexane	9.343	83	811686	150.600	ug/l	99
40) Benzene	8.337	78	1867656	147.317	ug/l	100

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41) Methacrylonitrile	7.496	41	204750	142.282	ug/l	96
42) 1,2-Dichloroethane	8.410	62	579516	142.827	ug/l	99
43) Isopropyl Acetate	8.435	43	643412	145.474	ug/l	99
44) Trichloroethene	9.099	130	452970	150.317	ug/l	98
45) 1,2-Dichloropropane	9.373	63	456144	149.396	ug/l	97
46) Dibromomethane	9.465	93	272269	143.854	ug/l	99
47) Bromodichloromethane	9.648	83	685853	151.120	ug/l	96
48) Methyl methacrylate	9.441	41	314142	149.293	ug/l	100
49) 1,4-Dioxane	9.459	88	56346	2983.527	ug/l #	83
51) 4-Methyl-2-Pentanone	10.209	43	1683322	695.441	ug/l	99
52) Toluene	10.392	92	1214012	148.962	ug/l	100
53) t-1,3-Dichloropropene	10.605	75	679932	156.179	ug/l	97
54) cis-1,3-Dichloropropene	10.075	75	759882	152.840	ug/l	98
55) 1,1,2-Trichloroethane	10.788	97	363045	144.405	ug/l	92
56) Ethyl methacrylate	10.648	69	540138	152.123	ug/l	99
57) 1,3-Dichloropropane	10.934	76	632065	142.707	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.928	63	1375316	754.091	ug/l	98
59) 2-Hexanone	10.971	43	1166153	693.111	ug/l	100
60) Dibromochloromethane	11.129	129	442293	150.890	ug/l	100
61) 1,2-Dibromoethane	11.239	107	357193	143.785	ug/l	97
64) Tetrachloroethene	10.867	164	350332	146.849	ug/l	96
65) Chlorobenzene	11.660	112	1308167	147.719	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.727	131	415946	151.507	ug/l	99
67) Ethyl Benzene	11.727	91	2319514	149.072	ug/l	97
68) m/p-Xylenes	11.836	106	1740273	297.100	ug/l	100
69) o-Xylene	12.166	106	846824	152.763	ug/l	99
70) Styrene	12.178	104	1419800	150.432	ug/l	99
71) Bromoform	12.349	173	228504	152.187	ug/l #	99
73) Isopropylbenzene	12.458	105	2118035	151.692	ug/l	99
74) N-amyl acetate	12.269	43	565165	149.722	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.714	83	419030	141.385	ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	310612m	140.986	ug/l	
77) Bromobenzene	12.745	156	452752	149.865	ug/l	95
78) n-propylbenzene	12.800	91	2550787	148.745	ug/l	98
79) 2-Chlorotoluene	12.891	91	1538753	150.285	ug/l	100
80) 1,3,5-Trimethylbenzene	12.940	105	1765381	150.754	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.513	75	151238	157.156	ug/l	96
82) 4-Chlorotoluene	12.983	91	1582046	147.284	ug/l	98
83) tert-Butylbenzene	13.202	119	1484103	148.784	ug/l	99
84) 1,2,4-Trimethylbenzene	13.245	105	1754255	148.004	ug/l	99
85) sec-Butylbenzene	13.379	105	2245185	149.881	ug/l	99
86) p-Isopropyltoluene	13.495	119	1828574	147.687	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	897163	142.664	ug/l	98
88) 1,4-Dichlorobenzene	13.574	146	860596	139.697	ug/l	97
89) n-Butylbenzene	13.818	91	1809075	148.944	ug/l	97
90) Hexachloroethane	14.086	117	338316	158.018	ug/l	89
91) 1,2-Dichlorobenzene	13.867	146	794424	142.542	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.482	75	77276	144.321	ug/l	98
93) 1,2,4-Trichlorobenzene	15.122	180	487461	145.031	ug/l	93
94) Hexachlorobutadiene	15.226	225	234457	147.210	ug/l	96
95) Naphthalene	15.360	128	1247633	150.984	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	444087	145.827	ug/l	96

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

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