

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
 Data File : VW031895.D
 Acq On : 22 Jul 2025 11:18
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC100

Quant Time: Jul 23 08:03:11 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	7.953	168	221447	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.849	114	402410	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	371635	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	158257	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	317755	94.854	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 189.700%#			
35) Dibromofluoromethane	7.892	113	265829	97.216	ug/l	-0.01
Spiked Amount 50.000	Range 70 - 134		Recovery = 194.440%#			
50) Toluene-d8	10.325	98	1013207	97.904	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 195.800%#			
62) 4-Bromofluorobenzene	12.617	95	383449	96.494	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 192.980%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.046	85	163348	99.248	ug/l	99
3) Chloromethane	2.259	50	203485	96.326	ug/l	98
4) Vinyl Chloride	2.405	62	273463	99.654	ug/l	99
5) Bromomethane	2.820	94	198486	98.226	ug/l	99
6) Chloroethane	2.966	64	181340	100.126	ug/l	99
7) Trichlorofluoromethane	3.301	101	276765	99.578	ug/l	96
8) Diethyl Ether	3.722	74	177440	95.572	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.106	101	258448	96.675	ug/l	99
10) Methyl Iodide	4.307	142	396765	99.264	ug/l	100
11) Tert butyl alcohol	5.216	59	108215	549.558	ug/l	100
12) 1,1-Dichloroethene	4.076	96	295280	100.001	ug/l	93
13) Acrolein	3.929	56	126741	529.499	ug/l	100
14) Allyl chloride	4.704	41	461159	100.325	ug/l	99
15) Acrylonitrile	5.399	53	434270	523.190	ug/l	99
16) Acetone	4.161	43	372157	468.167	ug/l	98
17) Carbon Disulfide	4.417	76	778367	101.641	ug/l	98
18) Methyl Acetate	4.704	43	233619	106.673	ug/l	99
19) Methyl tert-butyl Ether	5.460	73	510872	100.133	ug/l	99
20) Methylene Chloride	4.954	84	323479	99.782	ug/l	96
21) trans-1,2-Dichloroethene	5.454	96	309509	98.792	ug/l	98
22) Diisopropyl ether	6.338	45	919619	99.982	ug/l	98
23) Vinyl Acetate	6.277	43	3184428	529.933	ug/l	99
24) 1,1-Dichloroethane	6.246	63	571894	99.864	ug/l	99
25) 2-Butanone	7.191	43	563092	517.723	ug/l	96
26) 2,2-Dichloropropane	7.179	77	310099	95.647	ug/l	97
27) cis-1,2-Dichloroethene	7.191	96	374781	101.755	ug/l	99
28) Bromochloromethane	7.532	49	239942	100.070	ug/l	98
29) Tetrahydrofuran	7.551	42	380062	532.985	ug/l	100
30) Chloroform	7.691	83	597178	99.456	ug/l	96
31) Cyclohexane	7.971	56	487369	94.861	ug/l	100
32) 1,1,1-Trichloroethane	7.880	97	447021	97.836	ug/l	99
36) 1,1-Dichloropropene	8.093	75	424179	101.012	ug/l	100
37) Ethyl Acetate	7.270	43	255825	106.793	ug/l	100
38) Carbon Tetrachloride	8.081	117	415729	103.155	ug/l	92
39) Methylcyclohexane	9.343	83	554981	105.017	ug/l	96
40) Benzene	8.337	78	1262395	101.554	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.496	41	151519	107.383	ug/l	97
42) 1,2-Dichloroethane	8.410	62	408100	102.578	ug/l	100
43) Isopropyl Acetate	8.435	43	474069	109.315	ug/l	99
44) Trichloroethene	9.099	130	301416	102.011	ug/l	98
45) 1,2-Dichloropropane	9.374	63	303214	101.282	ug/l	99
46) Dibromomethane	9.465	93	189553	102.141	ug/l	95
47) Bromodichloromethane	9.648	83	468786	105.344	ug/l	99
48) Methyl methacrylate	9.441	41	226471	109.767	ug/l	100
49) 1,4-Dioxane	9.465	88	43032	2323.819	ug/l #	84
51) 4-Methyl-2-Pentanone	10.209	43	1288323	542.828	ug/l	100
52) Toluene	10.392	92	803397	100.537	ug/l	98
53) t-1,3-Dichloropropene	10.605	75	463061	108.477	ug/l	99
54) cis-1,3-Dichloropropene	10.075	75	519672	106.602	ug/l	98
55) 1,1,2-Trichloroethane	10.788	97	254950	103.424	ug/l	96
56) Ethyl methacrylate	10.648	69	392187	112.649	ug/l	99
57) 1,3-Dichloropropane	10.934	76	454447	104.643	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.928	63	981034	548.592	ug/l	99
59) 2-Hexanone	10.965	43	892662	541.101	ug/l	99
60) Dibromochloromethane	11.129	129	310954	108.191	ug/l	97
61) 1,2-Dibromoethane	11.239	107	255989	105.093	ug/l	98
64) Tetrachloroethene	10.861	164	236845	96.662	ug/l	88
65) Chlorobenzene	11.654	112	886811	97.499	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.727	131	280110	99.339	ug/l	99
67) Ethyl Benzene	11.727	91	1560463	97.646	ug/l	98
68) m/p-Xylenes	11.837	106	1180270	196.185	ug/l	98
69) o-Xylene	12.166	106	571902	100.449	ug/l	98
70) Styrene	12.178	104	948526	97.850	ug/l	97
71) Bromoform	12.349	173	166090	107.703	ug/l #	99
73) Isopropylbenzene	12.458	105	1460308	106.348	ug/l	100
74) N-amyl acetate	12.269	43	417442	112.451	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.708	83	310725	106.608	ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	232716m	107.409	ug/l	
77) Bromobenzene	12.745	156	308168	103.725	ug/l	97
78) n-propylbenzene	12.800	91	1765379	104.679	ug/l	100
79) 2-Chlorotoluene	12.891	91	1046552	103.935	ug/l	100
80) 1,3,5-Trimethylbenzene	12.940	105	1241824	107.831	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.507	75	110340	116.589	ug/l	96
82) 4-Chlorotoluene	12.989	91	1070989	101.386	ug/l	100
83) tert-Butylbenzene	13.202	119	1052310	107.273	ug/l	99
84) 1,2,4-Trimethylbenzene	13.245	105	1198796	102.845	ug/l	99
85) sec-Butylbenzene	13.379	105	1502744	102.008	ug/l	98
86) p-Isopropyltoluene	13.495	119	1283789	105.433	ug/l	98
87) 1,3-Dichlorobenzene	13.495	146	625716	101.175	ug/l	98
88) 1,4-Dichlorobenzene	13.574	146	614573	101.442	ug/l	98
89) n-Butylbenzene	13.818	91	1255431	105.103	ug/l	99
90) Hexachloroethane	14.092	117	225644	107.168	ug/l	92
91) 1,2-Dichlorobenzene	13.867	146	570249	104.043	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	14.476	75	57065	108.370	ug/l	98
93) 1,2,4-Trichlorobenzene	15.129	180	370704	112.151	ug/l	89
94) Hexachlorobutadiene	15.226	225	166160	106.085	ug/l	99
95) Naphthalene	15.360	128	922104	113.469	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	329679	110.082	ug/l	91

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

