

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100125\
 Data File : VW032317.D
 Acq On : 01 Oct 2025 14:59
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 10/03/2025
 Supervised By :Semsettin Yesilyurt 10/03/2025

Quant Time: Oct 02 21:16:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 02 21:10:58 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	292547	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	528901	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	475984	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	231176	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	417484	97.841	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 195.680%#			
35) Dibromofluoromethane	7.898	113	350567	102.349	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 204.700%#			
50) Toluene-d8	10.331	98	1301655	102.965	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 205.920%#			
62) 4-Bromofluorobenzene	12.617	95	485396	101.586	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 203.180%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.046	85	165937	90.391	ug/l	98
3) Chloromethane	2.259	50	263109	92.885	ug/l	100
4) Vinyl Chloride	2.405	62	311778	92.194	ug/l	100
5) Bromomethane	2.820	94	228770	92.054	ug/l	94
6) Chloroethane	2.966	64	213270	95.521	ug/l	100
7) Trichlorofluoromethane	3.308	101	246809	97.475	ug/l	97
8) Diethyl Ether	3.722	74	210643	96.005	ug/l	88
9) 1,1,2-Trichlorotrifluo...	4.106	101	274433	90.363	ug/l	96
10) Methyl Iodide	4.308	142	411793	95.030	ug/l	99
11) Tert butyl alcohol	5.222	59	142390	440.862	ug/l	97
12) 1,1-Dichloroethene	4.076	96	312434	94.761	ug/l	90
13) Acrolein	3.930	56	241522	460.759	ug/l	100
14) Allyl chloride	4.704	41	538624	96.720	ug/l	89
15) Acrylonitrile	5.405	53	561280	491.730	ug/l	98
16) Acetone	4.161	43	508582	430.455	ug/l	99
17) Carbon Disulfide	4.423	76	887546	98.660	ug/l	100
18) Methyl Acetate	4.710	43	331793	98.033	ug/l	97
19) Methyl tert-butyl Ether	5.466	73	639931	98.544	ug/l	97
20) Methylene Chloride	4.960	84	368359	99.471	ug/l	96
21) trans-1,2-Dichloroethene	5.460	96	358450	98.197	ug/l	97
22) Diisopropyl ether	6.344	45	1141459	98.558	ug/l	91
23) Vinyl Acetate	6.283	43	3946823	510.205	ug/l	99
24) 1,1-Dichloroethane	6.246	63	683736	97.173	ug/l	98
25) 2-Butanone	7.197	43	767105	476.718	ug/l	99
26) 2,2-Dichloropropane	7.191	77	345332	95.948	ug/l	100
27) cis-1,2-Dichloroethene	7.191	96	433121	98.767	ug/l	95
28) Bromochloromethane	7.533	49	323538	97.732	ug/l	87
29) Tetrahydrofuran	7.551	42	499036	493.149	ug/l	94
30) Chloroform	7.691	83	697012	97.676	ug/l	96
31) Cyclohexane	7.971	56	544824	90.699	ug/l	94
32) 1,1,1-Trichloroethane	7.886	97	488662	96.637	ug/l	100
36) 1,1-Dichloropropene	8.093	75	486510	100.644	ug/l	98
37) Ethyl Acetate	7.277	43	322862	100.344	ug/l	99
38) Carbon Tetrachloride	8.081	117	458732	100.845	ug/l	90
39) Methylcyclohexane	9.343	83	601153	103.099	ug/l	98
40) Benzene	8.337	78	1506339	99.416	ug/l	97

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41) Methacrylonitrile	7.502	41	181036	104.404	ug/l	92
42) 1,2-Dichloroethane	8.410	62	487667	98.363	ug/l	99
43) Isopropyl Acetate	8.435	43	597878	104.746	ug/l	100
44) Trichloroethene	9.099	130	359102	101.217	ug/l	90
45) 1,2-Dichloropropane	9.380	63	375302	99.234	ug/l	99
46) Dibromomethane	9.465	93	231385	99.495	ug/l	95
47) Bromodichloromethane	9.654	83	542848	102.055	ug/l	96
48) Methyl methacrylate	9.441	41	293582	105.789	ug/l #	91
49) 1,4-Dioxane	9.465	88	66922	2105.342	ug/l	98
51) 4-Methyl-2-Pentanone	10.215	43	1663070	503.045	ug/l	100
52) Toluene	10.392	92	960973	101.843	ug/l	99
53) t-1,3-Dichloropropene	10.611	75	555072	107.561	ug/l	99
54) cis-1,3-Dichloropropene	10.081	75	625271	105.188	ug/l	92
55) 1,1,2-Trichloroethane	10.788	97	309412	99.546	ug/l	98
56) Ethyl methacrylate	10.648	69	477191	109.686	ug/l	95
57) 1,3-Dichloropropane	10.934	76	548954	99.997	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.928	63	1282918	554.092	ug/l	96
59) 2-Hexanone	10.971	43	1177144	504.847	ug/l	99
60) Dibromochloromethane	11.129	129	375002	106.254	ug/l	99
61) 1,2-Dibromoethane	11.239	107	301749	99.562	ug/l	97
64) Tetrachloroethene	10.867	164	273519	96.034	ug/l	88
65) Chlorobenzene	11.660	112	1041724	99.469	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.733	131	334400	102.516	ug/l	98
67) Ethyl Benzene	11.733	91	1805810	103.444	ug/l	97
68) m/p-Xylenes	11.837	106	1390632	206.584	ug/l	98
69) o-Xylene	12.166	106	667671	106.061	ug/l	99
70) Styrene	12.178	104	1128688	102.692	ug/l	99
71) Bromoform	12.349	173	192066	102.725	ug/l #	100
73) Isopropylbenzene	12.465	105	1685355	106.560	ug/l	100
74) N-amyl acetate	12.270	43	540543	107.133	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.715	83	385347	98.125	ug/l	100
76) 1,2,3-Trichloropropane	12.763	75	295124m	96.745	ug/l	
77) Bromobenzene	12.745	156	396745	104.063	ug/l	92
78) n-propylbenzene	12.800	91	2052249	103.878	ug/l	97
79) 2-Chlorotoluene	12.885	91	1213767	100.479	ug/l	97
80) 1,3,5-Trimethylbenzene	12.940	105	1439767	105.277	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.507	75	135383	112.737	ug/l	88
82) 4-Chlorotoluene	12.989	91	1299440	101.179	ug/l	99
83) tert-Butylbenzene	13.202	119	1179238	105.090	ug/l	98
84) 1,2,4-Trimethylbenzene	13.245	105	1445279	103.930	ug/l	99
85) sec-Butylbenzene	13.379	105	1756008	102.403	ug/l	99
86) p-Isopropyltoluene	13.495	119	1460991	102.680	ug/l	100
87) 1,3-Dichlorobenzene	13.495	146	766586	99.297	ug/l	98
88) 1,4-Dichlorobenzene	13.574	146	767903	99.477	ug/l	95
89) n-Butylbenzene	13.818	91	1440709	103.706	ug/l	98
90) Hexachloroethane	14.092	117	265991	104.296	ug/l	93
91) 1,2-Dichlorobenzene	13.867	146	678218	97.184	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.483	75	67919	98.781	ug/l	89
93) 1,2,4-Trichlorobenzene	15.129	180	433724	103.645	ug/l	97
94) Hexachlorobutadiene	15.232	225	191123	99.894	ug/l	97
95) Naphthalene	15.360	128	1054202	104.900	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	399527	101.292	ug/l	99

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

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