

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092525\
 Data File : VW032262.D
 Acq On : 25 Sep 2025 12:46
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 09/29/2025
 Supervised By :Semsettin Yesilyurt 09/29/2025

Quant Time: Sep 26 06:50:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W092525S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 26 06:41:54 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.965	168	270060	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	469392	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	452792	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	225531	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	379535	89.005	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 178.020%#			
35) Dibromofluoromethane	7.904	113	320954	95.077	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 190.160%#			
50) Toluene-d8	10.325	98	1195947	98.302	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 196.600%#			
62) 4-Bromofluorobenzene	12.617	95	456586	99.494	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 198.980%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.046	85	159187	85.317	ug/l	98
3) Chloromethane	2.253	50	236913	88.725	ug/l	93
4) Vinyl Chloride	2.405	62	277540	88.959	ug/l	96
5) Bromomethane	2.820	94	194678	91.381	ug/l	89
6) Chloroethane	2.972	64	192034	90.836	ug/l	98
7) Trichlorofluoromethane	3.301	101	236771	100.722	ug/l	97
8) Diethyl Ether	3.722	74	197656	88.924	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.106	101	267494	89.149	ug/l	99
10) Methyl Iodide	4.319	142	389172	95.893	ug/l	97
11) Tert butyl alcohol	5.228	59	132448	447.465	ug/l	98
12) 1,1-Dichloroethene	4.082	96	296922	92.573	ug/l	97
13) Acrolein	3.929	56	228335	433.414	ug/l	95
14) Allyl chloride	4.704	41	475222	95.469	ug/l	99
15) Acrylonitrile	5.405	53	531479	464.265	ug/l	99
16) Acetone	4.161	43	436453	398.550	ug/l	100
17) Carbon Disulfide	4.423	76	681761	92.447	ug/l	100
18) Methyl Acetate	4.716	43	404654	107.440	ug/l	99
19) Methyl tert-butyl Ether	5.466	73	572270	96.254	ug/l	98
20) Methylene Chloride	4.954	84	356808	97.287	ug/l	97
21) trans-1,2-Dichloroethene	5.453	96	325375	94.076	ug/l	95
22) Diisopropyl ether	6.344	45	1074108	97.109	ug/l	100
23) Vinyl Acetate	6.283	43	3409679	479.176	ug/l	98
24) 1,1-Dichloroethane	6.246	63	648524	92.880	ug/l	99
25) 2-Butanone	7.197	43	701086	459.305	ug/l	100
26) 2,2-Dichloropropane	7.191	77	322157	93.629	ug/l	99
27) cis-1,2-Dichloroethene	7.191	96	410677	95.469	ug/l	99
28) Bromochloromethane	7.532	49	316521	95.000	ug/l #	98
29) Tetrahydrofuran	7.557	42	467041	471.309	ug/l	100
30) Chloroform	7.697	83	662900	90.992	ug/l	98
31) Cyclohexane	7.971	56	492754	89.496	ug/l	99
32) 1,1,1-Trichloroethane	7.886	97	460229	93.772	ug/l	100
36) 1,1-Dichloropropene	8.099	75	449330	98.728	ug/l	99
37) Ethyl Acetate	7.276	43	294907	97.703	ug/l	98
38) Carbon Tetrachloride	8.087	117	424225	99.075	ug/l	100
39) Methylcyclohexane	9.343	83	548695	104.193	ug/l	96
40) Benzene	8.337	78	1422633	99.306	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	166119	96.094	ug/l	98
42) 1,2-Dichloroethane	8.416	62	457918	96.165	ug/l	100
43) Isopropyl Acetate	8.441	43	542177	100.345	ug/l	99
44) Trichloroethene	9.105	130	336963	100.631	ug/l	87
45) 1,2-Dichloropropane	9.373	63	360778	97.236	ug/l	100
46) Dibromomethane	9.465	93	221052	96.902	ug/l	97
47) Bromodichloromethane	9.654	83	522751	100.472	ug/l	96
48) Methyl methacrylate	9.441	41	270335	106.349	ug/l	100
49) 1,4-Dioxane	9.465	88	63276	2071.095	ug/l #	100
51) 4-Methyl-2-Pentanone	10.215	43	1586527	495.237	ug/l	99
52) Toluene	10.392	92	904359	101.852	ug/l	97
53) t-1,3-Dichloropropene	10.611	75	519907	109.064	ug/l	100
54) cis-1,3-Dichloropropene	10.081	75	576534	104.759	ug/l	98
55) 1,1,2-Trichloroethane	10.788	97	296466	95.211	ug/l	96
56) Ethyl methacrylate	10.648	69	445747	108.677	ug/l	98
57) 1,3-Dichloropropane	10.934	76	527430	98.049	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.928	63	1240539	550.975	ug/l	100
59) 2-Hexanone	10.971	43	1108386	506.646	ug/l	100
60) Dibromochloromethane	11.129	129	353508	103.376	ug/l	97
61) 1,2-Dibromoethane	11.239	107	289333	98.079	ug/l	98
64) Tetrachloroethene	10.867	164	260649	94.460	ug/l #	89
65) Chlorobenzene	11.660	112	1003942	96.257	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.733	131	331436	100.481	ug/l	99
67) Ethyl Benzene	11.733	91	1744976	102.215	ug/l	95
68) m/p-Xylenes	11.836	106	1319678	201.657	ug/l	95
69) o-Xylene	12.166	106	640114	104.080	ug/l	99
70) Styrene	12.178	104	1107088	102.647	ug/l	99
71) Bromoform	12.349	173	193866	100.857	ug/l #	96
73) Isopropylbenzene	12.464	105	1594475	101.576	ug/l	99
74) N-amyl acetate	12.269	43	489840	99.091	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.714	83	380449	92.439	ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	284709m	80.269	ug/l	
77) Bromobenzene	12.745	156	377479	97.769	ug/l	93
78) n-propylbenzene	12.800	91	1997481	101.306	ug/l	99
79) 2-Chlorotoluene	12.891	91	1185558	99.258	ug/l	99
80) 1,3,5-Trimethylbenzene	12.940	105	1364777	101.693	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.513	75	125300	104.893	ug/l	97
82) 4-Chlorotoluene	12.989	91	1241413	98.344	ug/l	99
83) tert-Butylbenzene	13.202	119	1144817	101.999	ug/l	99
84) 1,2,4-Trimethylbenzene	13.245	105	1402022	102.892	ug/l	97
85) sec-Butylbenzene	13.379	105	1686020	100.034	ug/l	99
86) p-Isopropyltoluene	13.495	119	1405656	100.702	ug/l	98
87) 1,3-Dichlorobenzene	13.495	146	747138	97.831	ug/l	100
88) 1,4-Dichlorobenzene	13.574	146	735529	94.276	ug/l	94
89) n-Butylbenzene	13.818	91	1403783	100.210	ug/l	97
90) Hexachloroethane	14.092	117	261127	100.372	ug/l	98
91) 1,2-Dichlorobenzene	13.867	146	660780	92.492	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.482	75	66815	94.913	ug/l	98
93) 1,2,4-Trichlorobenzene	15.129	180	433343	102.243	ug/l	99
94) Hexachlorobutadiene	15.232	225	182643	93.830	ug/l	90
95) Naphthalene	15.360	128	1068790	105.067	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	397191	100.785	ug/l	98

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

