

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120325\
 Data File : VW032567.D
 Acq On : 03 Dec 2025 12:58
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/04/2025
 Supervised By : Semsettin Yesilyurt 12/04/2025

Quant Time: Dec 04 03:50:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 04 03:43:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	355203	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	654581	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	597470	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	290228	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	521850	98.721	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 197.440%#			
35) Dibromofluoromethane	7.898	113	427652	99.279	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 198.560%#			
50) Toluene-d8	10.325	98	1655104	102.111	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 204.220%#			
62) 4-Bromofluorobenzene	12.617	95	595747	99.481	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 198.960%#			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.046	85	203149	92.397	ug/l	96
3) Chloromethane	2.253	50	362579	89.707	ug/l	100
4) Vinyl Chloride	2.405	62	450163	91.801	ug/l	98
5) Bromomethane	2.820	94	301861	92.693	ug/l	98
6) Chloroethane	2.966	64	297323	93.873	ug/l	100
7) Trichlorofluoromethane	3.301	101	376929	99.170	ug/l	100
8) Diethyl Ether	3.722	74	273717	97.416	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.100	101	365839	91.043	ug/l	98
10) Methyl Iodide	4.314	142	572513	94.467	ug/l	99
11) Tert butyl alcohol	5.216	59	186905	459.693	ug/l #	87
12) 1,1-Dichloroethene	4.076	96	421607	93.057	ug/l	97
13) Acrolein	3.929	56	351593	487.892	ug/l	98
14) Allyl chloride	4.704	41	828097	99.848	ug/l	99
15) Acrylonitrile	5.399	53	754679	511.456	ug/l	100
16) Acetone	4.161	43	859493	520.335	ug/l	99
17) Carbon Disulfide	4.417	76	1285257	95.755	ug/l	98
18) Methyl Acetate	4.710	43	343471	100.959	ug/l	100
19) Methyl tert-butyl Ether	5.466	73	866662	102.626	ug/l	98
20) Methylene Chloride	4.954	84	508033	86.002	ug/l	93
21) trans-1,2-Dichloroethene	5.466	96	472773	95.503	ug/l	97
22) Diisopropyl ether	6.344	45	1673162	101.087	ug/l	99
23) Vinyl Acetate	6.283	43	5815618	530.258	ug/l	99
24) 1,1-Dichloroethane	6.246	63	932402	97.027	ug/l	99
25) 2-Butanone	7.191	43	1096796	517.390	ug/l	98
26) 2,2-Dichloropropane	7.185	77	504116	90.493	ug/l	99
27) cis-1,2-Dichloroethene	7.191	96	571756	99.208	ug/l	98
28) Bromochloromethane	7.532	49	437111	101.259	ug/l	100
29) Tetrahydrofuran	7.551	42	669455	528.903	ug/l	100
30) Chloroform	7.691	83	918136	96.270	ug/l	94
31) Cyclohexane	7.971	56	791297	93.383	ug/l	97
32) 1,1,1-Trichloroethane	7.892	97	655289	94.670	ug/l	100
36) 1,1-Dichloropropene	8.099	75	651958	99.227	ug/l	100
37) Ethyl Acetate	7.270	43	451708	99.343	ug/l	100
38) Carbon Tetrachloride	8.087	117	587658	96.272	ug/l	98
39) Methylcyclohexane	9.343	83	806349	100.505	ug/l	96
40) Benzene	8.337	78	2024351	96.683	ug/l	99

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41) Methacrylonitrile	7.502	41	249877	101.564	ug/l #	90
42) 1,2-Dichloroethane	8.410	62	619919	96.566	ug/l	100
43) Isopropyl Acetate	8.435	43	817843	104.642	ug/l	100
44) Trichloroethene	9.099	130	462896	98.916	ug/l	94
45) 1,2-Dichloropropane	9.374	63	508740	97.822	ug/l	97
46) Dibromomethane	9.465	93	293795	97.691	ug/l	96
47) Bromodichloromethane	9.648	83	691027	98.034	ug/l	98
48) Methyl methacrylate	9.441	41	382547	107.676	ug/l	92
49) 1,4-Dioxane	9.465	88	78932	2196.494	ug/l #	99
51) 4-Methyl-2-Pentanone	10.215	43	2250833	520.473	ug/l	99
52) Toluene	10.392	92	1267483	100.465	ug/l	96
53) t-1,3-Dichloropropene	10.605	75	722211	106.799	ug/l	97
54) cis-1,3-Dichloropropene	10.075	75	820878	103.441	ug/l	98
55) 1,1,2-Trichloroethane	10.788	97	392301	97.393	ug/l	92
56) Ethyl methacrylate	10.648	69	620159	111.330	ug/l	99
57) 1,3-Dichloropropane	10.934	76	713294	99.224	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.928	63	1424360	488.002	ug/l	99
59) 2-Hexanone	10.971	43	1650921	536.038	ug/l	98
60) Dibromochloromethane	11.129	129	473163	104.808	ug/l	94
61) 1,2-Dibromoethane	11.239	107	377118	98.445	ug/l	99
64) Tetrachloroethene	10.861	164	373150	93.639	ug/l	94
65) Chlorobenzene	11.654	112	1379537	97.718	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.733	131	429702	98.411	ug/l	98
67) Ethyl Benzene	11.733	91	2417618	100.892	ug/l	98
68) m/p-Xylenes	11.837	106	1831269	201.010	ug/l	100
69) o-Xylene	12.166	106	866946	103.909	ug/l	97
70) Styrene	12.178	104	1517611	103.698	ug/l	99
71) Bromoform	12.349	173	245433	102.216	ug/l #	97
73) Isopropylbenzene	12.464	105	2170904	100.834	ug/l	98
74) N-amyl acetate	12.269	43	752525	105.593	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.714	83	483298	95.361	ug/l	100
76) 1,2,3-Trichloropropane	12.763	75	360367m	91.111	ug/l	
77) Bromobenzene	12.745	156	482804	94.867	ug/l	100
78) n-propylbenzene	12.800	91	2698089	98.232	ug/l	99
79) 2-Chlorotoluene	12.891	91	1593521	97.306	ug/l	100
80) 1,3,5-Trimethylbenzene	12.940	105	1824501	99.319	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.513	75	175153	104.898	ug/l	99
82) 4-Chlorotoluene	12.989	91	1684574	96.182	ug/l	99
83) tert-Butylbenzene	13.202	119	1539645	101.622	ug/l	100
84) 1,2,4-Trimethylbenzene	13.245	105	1828139	99.624	ug/l	99
85) sec-Butylbenzene	13.379	105	2308200	98.775	ug/l	98
86) p-Isopropyltoluene	13.495	119	1904035	98.926	ug/l	100
87) 1,3-Dichlorobenzene	13.495	146	989559	95.097	ug/l	100
88) 1,4-Dichlorobenzene	13.574	146	948878	91.872	ug/l	99
89) n-Butylbenzene	13.818	91	1963816	100.472	ug/l	98
90) Hexachloroethane	14.092	117	350927	95.199	ug/l	93
91) 1,2-Dichlorobenzene	13.867	146	850657	93.198	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.476	75	85051	97.332	ug/l	92
93) 1,2,4-Trichlorobenzene	15.129	180	551129	99.142	ug/l	97
94) Hexachlorobutadiene	15.232	225	244226	95.444	ug/l	96
95) Naphthalene	15.360	128	1375528	110.334	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	519329	102.833	ug/l	96

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

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