

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120325\
 Data File : VW032566.D
 Acq On : 03 Dec 2025 12:37
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

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

Quant Time: Dec 04 03:49:06 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	7.965	168	362826	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	653706	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.636	117	592275	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	282382	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	264413	48.970	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	97.940%		
35) Dibromofluoromethane	7.904	113	217213	50.493	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	100.980%		
50) Toluene-d8	10.325	98	820832	50.709	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	101.420%		
62) 4-Bromofluorobenzene	12.617	95	306999	51.333	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	102.660%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.040	85	98280	43.761	ug/l	100
3) Chloromethane	2.253	50	176608	42.777	ug/l	100
4) Vinyl Chloride	2.405	62	229765	45.871	ug/l	100
5) Bromomethane	2.820	94	151371	45.505	ug/l	100
6) Chloroethane	2.966	64	152402	47.107	ug/l	100
7) Trichlorofluoromethane	3.308	101	186488	48.034	ug/l	100
8) Diethyl Ether	3.722	74	134213	46.763	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.106	101	192559	46.914	ug/l	100
10) Methyl Iodide	4.314	142	285336	46.093	ug/l	100
11) Tert butyl alcohol	5.210	59	97064	233.713	ug/l	100
12) 1,1-Dichloroethene	4.082	96	217763	47.055	ug/l	100
13) Acrolein	3.936	56	193395	262.728	ug/l	100
14) Allyl chloride	4.710	41	407764	48.133	ug/l	100
15) Acrylonitrile	5.399	53	384951	255.405	ug/l	100
16) Acetone	4.161	43	432919	256.582	ug/l	100
17) Carbon Disulfide	4.423	76	647685	47.241	ug/l	100
18) Methyl Acetate	4.710	43	177066	50.953	ug/l	100
19) Methyl tert-butyl Ether	5.460	73	435898	50.533	ug/l	100
20) Methylene Chloride	4.954	84	262304	43.471	ug/l	100
21) trans-1,2-Dichloroethene	5.460	96	239893	47.441	ug/l	100
22) Diisopropyl ether	6.344	45	846767	50.084	ug/l	100
23) Vinyl Acetate	6.283	43	2912370	259.966	ug/l	100
24) 1,1-Dichloroethane	6.246	63	467526	47.629	ug/l	100
25) 2-Butanone	7.191	43	556667	257.079	ug/l	100
26) 2,2-Dichloropropane	7.185	77	259023	45.520	ug/l	100
27) cis-1,2-Dichloroethene	7.191	96	283098	48.090	ug/l	100
28) Bromochloromethane	7.533	49	222861	50.542	ug/l	100
29) Tetrahydrofuran	7.551	42	349113	270.022	ug/l	100
30) Chloroform	7.697	83	455334	46.740	ug/l	100
31) Cyclohexane	7.972	56	401917	46.435	ug/l	100
32) 1,1,1-Trichloroethane	7.886	97	333847	47.218	ug/l	100
36) 1,1-Dichloropropene	8.093	75	326053	49.691	ug/l	100
37) Ethyl Acetate	7.277	43	239279	52.695	ug/l	100
38) Carbon Tetrachloride	8.081	117	293722	48.183	ug/l	100
39) Methylcyclohexane	9.343	83	407472	50.856	ug/l	100
40) Benzene	8.337	78	1019611	48.762	ug/l	100

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41) Methacrylonitrile	7.496	41	141444	57.568	ug/l	100
42) 1,2-Dichloroethane	8.410	62	318895	49.741	ug/l	100
43) Isopropyl Acetate	8.435	43	414876	53.154	ug/l	100
44) Trichloroethene	9.105	130	227165	48.608	ug/l	100
45) 1,2-Dichloropropane	9.374	63	255511	49.196	ug/l	100
46) Dibromomethane	9.465	93	151851	50.560	ug/l	100
47) Bromodichloromethane	9.654	83	347048	49.301	ug/l	100
48) Methyl methacrylate	9.441	41	207237	58.409	ug/l	100
49) 1,4-Dioxane	9.459	88	39775	1108.328	ug/l #	100
51) 4-Methyl-2-Pentanone	10.215	43	1172335	271.448	ug/l	100
52) Toluene	10.392	92	627085	49.772	ug/l	100
53) t-1,3-Dichloropropene	10.605	75	343782	50.906	ug/l	100
54) cis-1,3-Dichloropropene	10.075	75	399207	50.372	ug/l	100
55) 1,1,2-Trichloroethane	10.788	97	199440	49.579	ug/l	100
56) Ethyl methacrylate	10.648	69	306314	55.063	ug/l	100
57) 1,3-Dichloropropane	10.934	76	364898	50.828	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.928	63	804140	275.876	ug/l	100
59) 2-Hexanone	10.971	43	860027	279.616	ug/l	100
60) Dibromochloromethane	11.130	129	221375	49.101	ug/l	100
61) 1,2-Dibromoethane	11.239	107	192699	50.371	ug/l	100
64) Tetrachloroethene	10.867	164	190655	48.263	ug/l	100
65) Chlorobenzene	11.660	112	696412	49.762	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.733	131	218393	50.455	ug/l	100
67) Ethyl Benzene	11.733	91	1204661	50.714	ug/l	100
68) m/p-Xylenes	11.837	106	924001	102.313	ug/l	100
69) o-Xylene	12.166	106	439043	53.084	ug/l	100
70) Styrene	12.178	104	755821	52.098	ug/l	100
71) Bromoform	12.349	173	122746	51.569	ug/l	100
73) Isopropylbenzene	12.465	105	1094068	52.229	ug/l	100
74) N-amyl acetate	12.270	43	380472	54.870	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.715	83	256853	52.088	ug/l	100
76) 1,2,3-Trichloropropane	12.763	75	190454m	49.490	ug/l	
77) Bromobenzene	12.745	156	243431	49.161	ug/l	100
78) n-propylbenzene	12.800	91	1385115	51.830	ug/l	100
79) 2-Chlorotoluene	12.891	91	799627	50.185	ug/l	100
80) 1,3,5-Trimethylbenzene	12.940	105	921738	51.570	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.513	75	90124	55.474	ug/l	100
82) 4-Chlorotoluene	12.983	91	867831	50.926	ug/l	100
83) tert-Butylbenzene	13.202	119	754075	51.154	ug/l	100
84) 1,2,4-Trimethylbenzene	13.245	105	920015	51.529	ug/l	100
85) sec-Butylbenzene	13.379	105	1159720	51.007	ug/l	100
86) p-Isopropyltoluene	13.495	119	937595	50.067	ug/l	100
87) 1,3-Dichlorobenzene	13.495	146	503723	49.753	ug/l	100
88) 1,4-Dichlorobenzene	13.574	146	503202	50.074	ug/l	100
89) n-Butylbenzene	13.818	91	957943	50.372	ug/l	100
90) Hexachloroethane	14.086	117	175057	48.809	ug/l	100
91) 1,2-Dichlorobenzene	13.867	146	445429	50.157	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.476	75	44355	52.170	ug/l	100
93) 1,2,4-Trichlorobenzene	15.123	180	267108	49.385	ug/l	100
94) Hexachlorobutadiene	15.232	225	123690	49.681	ug/l	100
95) Naphthalene	15.360	128	665298	54.848	ug/l	100
96) 1,2,3-Trichlorobenzene	15.549	180	251682	51.221	ug/l	100

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

