

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120325\
 Data File : VW032570.D
 Acq On : 03 Dec 2025 14:07
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW120325

Manual Integrations
 APPROVED

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

Quant Time: Dec 04 04:06:38 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 04 04:04:32 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	398127	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	714155	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	645480	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	302417	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	265547	44.819	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	89.640%		
35) Dibromofluoromethane	7.898	113	208827	44.435	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	88.860%		
50) Toluene-d8	10.325	98	815809	46.132	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	92.260%		
62) 4-Bromofluorobenzene	12.617	95	307024	46.992	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	93.980%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.040	85	124033	50.331	ug/l	89
3) Chloromethane	2.253	50	205080	45.269	ug/l	98
4) Vinyl Chloride	2.405	62	260399	47.378	ug/l	97
5) Bromomethane	2.820	94	169887	46.543	ug/l	87
6) Chloroethane	2.966	64	168099	47.351	ug/l	100
7) Trichlorofluoromethane	3.302	101	201379	47.271	ug/l	99
8) Diethyl Ether	3.722	74	151315	48.047	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.100	101	226585	50.309	ug/l	100
10) Methyl Iodide	4.308	142	309996	45.636	ug/l	99
11) Tert butyl alcohol	5.216	59	106621	233.962	ug/l #	83
12) 1,1-Dichloroethene	4.076	96	243910	48.031	ug/l	97
13) Acrolein	3.930	56	171086	211.813	ug/l	99
14) Allyl chloride	4.704	41	454506	48.894	ug/l	99
15) Acrylonitrile	5.399	53	427344	258.392	ug/l	100
16) Acetone	4.155	43	509869	275.394	ug/l	99
17) Carbon Disulfide	4.423	76	734064	48.794	ug/l	97
18) Methyl Acetate	4.710	43	205094	53.785	ug/l	99
19) Methyl tert-butyl Ether	5.460	73	485989	51.344	ug/l	100
20) Methylene Chloride	4.954	84	285485	43.118	ug/l	98
21) trans-1,2-Dichloroethene	5.454	96	268807	48.446	ug/l	93
22) Diisopropyl ether	6.338	45	922475	49.724	ug/l	97
23) Vinyl Acetate	6.277	43	3155793	256.717	ug/l	100
24) 1,1-Dichloroethane	6.246	63	513008	47.629	ug/l	99
25) 2-Butanone	7.191	43	646360	272.033	ug/l	99
26) 2,2-Dichloropropane	7.185	77	288293	46.172	ug/l	99
27) cis-1,2-Dichloroethene	7.185	96	308569	47.769	ug/l	98
28) Bromochloromethane	7.533	49	212423	43.903	ug/l	98
29) Tetrahydrofuran	7.551	42	382309	269.479	ug/l	100
30) Chloroform	7.691	83	502709	47.028	ug/l	99
31) Cyclohexane	7.972	56	477062	50.229	ug/l	98
32) 1,1,1-Trichloroethane	7.886	97	370315	47.732	ug/l	99
36) 1,1-Dichloropropene	8.093	75	372283	51.934	ug/l	99
37) Ethyl Acetate	7.270	43	253545	51.110	ug/l	99
38) Carbon Tetrachloride	8.081	117	345821	51.927	ug/l	97
39) Methylcyclohexane	9.343	83	486688	55.602	ug/l	99
40) Benzene	8.331	78	1112566	48.704	ug/l	97

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41) Methacrylonitrile	7.502	41	145761	54.303	ug/l	94
42) 1,2-Dichloroethane	8.411	62	345779	49.369	ug/l	100
43) Isopropyl Acetate	8.435	43	455138	53.377	ug/l	100
44) Trichloroethene	9.099	130	251995	49.357	ug/l	92
45) 1,2-Dichloropropane	9.374	63	282193	49.735	ug/l	97
46) Dibromomethane	9.465	93	163642	49.874	ug/l	97
47) Bromodichloromethane	9.648	83	382528	49.741	ug/l	99
48) Methyl methacrylate	9.441	41	228291	58.897	ug/l	98
49) 1,4-Dioxane	9.465	88	44246	1128.553	ug/l #	98
51) 4-Methyl-2-Pentanone	10.209	43	1281933	271.701	ug/l	100
52) Toluene	10.386	92	688534	50.023	ug/l	100
53) t-1,3-Dichloropropene	10.605	75	391943	53.125	ug/l	98
54) cis-1,3-Dichloropropene	10.075	75	443776	51.256	ug/l	96
55) 1,1,2-Trichloroethane	10.788	97	215881	49.124	ug/l	98
56) Ethyl methacrylate	10.648	69	338030	55.621	ug/l	99
57) 1,3-Dichloropropane	10.934	76	399206	50.900	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.929	63	826463	259.535	ug/l	99
59) 2-Hexanone	10.965	43	941458	280.183	ug/l	99
60) Dibromochloromethane	11.130	129	252239	51.211	ug/l	93
61) 1,2-Dibromoethane	11.233	107	210015	50.250	ug/l	97
64) Tetrachloroethene	10.861	164	213825	49.667	ug/l	94
65) Chlorobenzene	11.654	112	748072	49.048	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.727	131	233284	49.453	ug/l	99
67) Ethyl Benzene	11.727	91	1339097	51.727	ug/l	96
68) m/p-Xylenes	11.837	106	1007613	102.375	ug/l	100
69) o-Xylene	12.166	106	462073	51.263	ug/l	91
70) Styrene	12.178	104	827441	52.334	ug/l	100
71) Bromoform	12.349	173	138115	53.243	ug/l #	100
73) Isopropylbenzene	12.459	105	1176002	52.421	ug/l	99
74) N-amyl acetate	12.270	43	411426	55.404	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.715	83	276852	52.425	ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	203576m	49.748	ug/l	
77) Bromobenzene	12.745	156	264537	49.884	ug/l	99
78) n-propylbenzene	12.800	91	1512143	52.835	ug/l	100
79) 2-Chlorotoluene	12.891	91	889651	52.136	ug/l	100
80) 1,3,5-Trimethylbenzene	12.940	105	1011081	52.821	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.507	75	97946	56.295	ug/l	97
82) 4-Chlorotoluene	12.983	91	924236	50.643	ug/l	99
83) tert-Butylbenzene	13.202	119	881605	55.844	ug/l	98
84) 1,2,4-Trimethylbenzene	13.245	105	1000970	52.349	ug/l	99
85) sec-Butylbenzene	13.379	105	1298512	53.328	ug/l	100
86) p-Isopropyltoluene	13.495	119	1078629	53.783	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	533362	49.191	ug/l	97
88) 1,4-Dichlorobenzene	13.574	146	518528	48.181	ug/l	95
89) n-Butylbenzene	13.818	91	1093053	53.669	ug/l	99
90) Hexachloroethane	14.086	117	191086	49.748	ug/l	98
91) 1,2-Dichlorobenzene	13.867	146	489025	51.418	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.476	75	47890	52.596	ug/l	97
93) 1,2,4-Trichlorobenzene	15.123	180	306002	52.827	ug/l	94
94) Hexachlorobutadiene	15.226	225	130376	48.898	ug/l	96
95) Naphthalene	15.354	128	748197	57.123	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	272820	51.844	ug/l	98

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

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