

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112025\
 Data File : VW032513.D
 Acq On : 20 Nov 2025 10:31
 Operator : SY/MD
 Sample : VW1120SBS01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1120SBS01

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 11/21/2025
 Supervised By :Mahesh Dadoda 11/21/2025

Quant Time: Nov 21 01:18:51 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 11 03:48:21 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.953	168	353765	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.849	114	650665	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	586278	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	284719	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.313	65	236526	51.860	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 103.720%			
35) Dibromofluoromethane	7.892	113	201286	51.669	ug/l	-0.01
Spiked Amount 50.000	Range 70 - 134		Recovery = 103.340%			
50) Toluene-d8	10.325	98	767314	51.342	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 102.680%			
62) 4-Bromofluorobenzene	12.617	95	281242	49.815	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 99.640%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.046	85	36280	20.213	ug/l	99
3) Chloromethane	2.253	50	69477	22.583	ug/l	100
4) Vinyl Chloride	2.405	62	89672	23.095	ug/l	98
5) Bromomethane	2.814	94	57341	22.078	ug/l	90
6) Chloroethane	2.966	64	55368	21.796	ug/l	99
7) Trichlorofluoromethane	3.302	101	58835	19.327	ug/l	94
8) Diethyl Ether	3.722	74	56107	22.543	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.100	101	76953	23.206	ug/l	98
10) Methyl Iodide	4.295	142	116731	21.856	ug/l	100
11) Tert butyl alcohol	5.210	59	39189	99.369	ug/l #	72
12) 1,1-Dichloroethene	4.070	96	84998	22.354	ug/l	91
13) Acrolein	3.924	56	59108	89.329	ug/l	97
14) Allyl chloride	4.704	41	153539	20.997	ug/l	97
15) Acrylonitrile	5.399	53	153439	106.627	ug/l	99
16) Acetone	4.161	43	162698	119.236	ug/l	98
17) Carbon Disulfide	4.417	76	243244	21.644	ug/l	99
18) Methyl Acetate	4.704	43	76121	22.528	ug/l	100
19) Methyl tert-butyl Ether	5.466	73	165045	20.591	ug/l	99
20) Methylene Chloride	4.954	84	114582	23.481	ug/l	95
21) trans-1,2-Dichloroethene	5.460	96	96335	22.157	ug/l	98
22) Diisopropyl ether	6.332	45	327872	22.022	ug/l	97
23) Vinyl Acetate	6.277	43	1069655	104.864	ug/l	98
24) 1,1-Dichloroethane	6.240	63	181380	22.236	ug/l	99
25) 2-Butanone	7.191	43	224038	111.448	ug/l	98
26) 2,2-Dichloropropane	7.185	77	98449	21.656	ug/l	98
27) cis-1,2-Dichloroethene	7.185	96	112269	21.610	ug/l	98
28) Bromochloromethane	7.527	49	87234	22.627	ug/l	97
29) Tetrahydrofuran	7.551	42	133628	104.731	ug/l	100
30) Chloroform	7.685	83	183475	22.977	ug/l	96
31) Cyclohexane	7.965	56	160492	21.270	ug/l	98
32) 1,1,1-Trichloroethane	7.886	97	125706	22.037	ug/l	97
36) 1,1-Dichloropropene	8.093	75	127495	22.212	ug/l	99
37) Ethyl Acetate	7.270	43	91187	21.364	ug/l	99
38) Carbon Tetrachloride	8.075	117	114900	22.529	ug/l	92
39) Methylcyclohexane	9.343	83	153586	20.655	ug/l	93
40) Benzene	8.331	78	405747	21.951	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.496	41	44836	19.123	ug/l	95
42) 1,2-Dichloroethane	8.411	62	123438	22.735	ug/l	100
43) Isopropyl Acetate	8.435	43	156738	20.739	ug/l	99
44) Trichloroethene	9.093	130	92474	21.499	ug/l	97
45) 1,2-Dichloropropane	9.374	63	104396	22.682	ug/l	98
46) Dibromomethane	9.465	93	60375	22.447	ug/l	97
47) Bromodichloromethane	9.648	83	137684	22.441	ug/l	98
48) Methyl methacrylate	9.441	41	69317	19.301	ug/l	92
49) 1,4-Dioxane	9.465	88	15782	418.857	ug/l #	93
51) 4-Methyl-2-Pentanone	10.209	43	463463	110.929	ug/l	98
52) Toluene	10.392	92	254072	22.253	ug/l	100
53) t-1,3-Dichloropropene	10.605	75	130012	20.576	ug/l	98
54) cis-1,3-Dichloropropene	10.075	75	156258	21.384	ug/l	96
55) 1,1,2-Trichloroethane	10.788	97	84716	22.960	ug/l	94
56) Ethyl methacrylate	10.648	69	111303	19.660	ug/l	98
57) 1,3-Dichloropropane	10.934	76	146966	22.301	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.929	63	333644	110.663	ug/l	98
59) 2-Hexanone	10.971	43	330314	108.059	ug/l	98
60) Dibromochloromethane	11.130	129	88485	21.474	ug/l	99
61) 1,2-Dibromoethane	11.233	107	79967	22.252	ug/l	97
64) Tetrachloroethene	10.867	164	75359	21.706	ug/l	89
65) Chlorobenzene	11.654	112	281368	22.267	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.727	131	87063	22.263	ug/l	99
67) Ethyl Benzene	11.727	91	464579	21.248	ug/l	98
68) m/p-Xylenes	11.837	106	365948	44.577	ug/l	98
69) o-Xylene	12.166	106	166845	21.226	ug/l	95
70) Styrene	12.178	104	299435	22.145	ug/l	99
71) Bromoform	12.349	173	46452	20.054	ug/l	99
73) Isopropylbenzene	12.465	105	420213	20.095	ug/l	99
74) N-amyl acetate	12.270	43	140188	19.293	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.709	83	107423	21.646	ug/l	100
76) 1,2,3-Trichloropropane	12.763	75	77128m	19.756	ug/l	
77) Bromobenzene	12.745	156	94233	19.033	ug/l	85
78) n-propylbenzene	12.800	91	552294	21.688	ug/l	97
79) 2-Chlorotoluene	12.885	91	323954	20.839	ug/l	99
80) 1,3,5-Trimethylbenzene	12.940	105	367651	21.311	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.507	75	33550	19.684	ug/l	93
82) 4-Chlorotoluene	12.989	91	344250	21.291	ug/l	99
83) tert-Butylbenzene	13.202	119	295827	19.713	ug/l	98
84) 1,2,4-Trimethylbenzene	13.245	105	369146	21.038	ug/l	99
85) sec-Butylbenzene	13.379	105	459287	20.550	ug/l	100
86) p-Isopropyltoluene	13.495	119	375143	20.329	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	212071	22.592	ug/l	95
88) 1,4-Dichlorobenzene	13.574	146	200917	20.892	ug/l	96
89) n-Butylbenzene	13.818	91	368517	20.441	ug/l	99
90) Hexachloroethane	14.086	117	66117	19.872	ug/l	91
91) 1,2-Dichlorobenzene	13.867	146	173767	20.166	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.476	75	17721	20.728	ug/l	95
93) 1,2,4-Trichlorobenzene	15.129	180	111116	20.263	ug/l	99
94) Hexachlorobutadiene	15.226	225	40873	17.944	ug/l	86
95) Naphthalene	15.360	128	246463	18.024	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	100996	20.287	ug/l	94

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

