

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112125\
 Data File : VW032522.D
 Acq On : 21 Nov 2025 13:21
 Operator : SY/MD
 Sample : VW1121SBS01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1121SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/01/2025
 Supervised By : Mahesh Dadoda 12/01/2025

Quant Time: Nov 26 01:20:00 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	331262	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.849	114	649288	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	582992	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	282304	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.313	65	234187	54.835	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 109.660%			
35) Dibromofluoromethane	7.898	113	192330	49.475	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 98.940%			
50) Toluene-d8	10.325	98	752840	50.480	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 100.960%			
62) 4-Bromofluorobenzene	12.617	95	284925	50.575	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 101.140%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.046	85	36367	21.638	ug/l	91
3) Chloromethane	2.253	50	62293	21.623	ug/l	98
4) Vinyl Chloride	2.405	62	77911	21.429	ug/l	100
5) Bromomethane	2.814	94	52873	21.740	ug/l	97
6) Chloroethane	2.966	64	49518	20.817	ug/l	98
7) Trichlorofluoromethane	3.308	101	48966	17.178	ug/l	99
8) Diethyl Ether	3.722	74	48912	20.987	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.094	101	66943	21.559	ug/l	98
10) Methyl Iodide	4.301	142	99746	19.944	ug/l	98
11) Tert butyl alcohol	5.210	59	42213	114.308	ug/l #	92
12) 1,1-Dichloroethene	4.070	96	74995	21.063	ug/l	96
13) Acrolein	3.930	56	51007	82.322	ug/l	100
14) Allyl chloride	4.698	41	140937	20.583	ug/l	99
15) Acrylonitrile	5.399	53	144848	107.495	ug/l	99
16) Acetone	4.155	43	145745	114.068	ug/l	97
17) Carbon Disulfide	4.417	76	211316	20.080	ug/l	97
18) Methyl Acetate	4.710	43	69327	21.911	ug/l	99
19) Methyl tert-butyl Ether	5.460	73	152210	20.280	ug/l	94
20) Methylene Chloride	4.948	84	105780	23.150	ug/l	95
21) trans-1,2-Dichloroethene	5.460	96	87560	21.507	ug/l	98
22) Diisopropyl ether	6.338	45	304005	21.806	ug/l	97
23) Vinyl Acetate	6.277	43	987625	103.400	ug/l	97
24) 1,1-Dichloroethane	6.240	63	172900	22.637	ug/l	100
25) 2-Butanone	7.191	43	204089	108.421	ug/l	97
26) 2,2-Dichloropropane	7.185	77	87464	20.547	ug/l	98
27) cis-1,2-Dichloroethene	7.185	96	104263	21.432	ug/l	98
28) Bromochloromethane	7.526	49	83383	23.097	ug/l	96
29) Tetrahydrofuran	7.551	42	128792	107.797	ug/l	98
30) Chloroform	7.691	83	171050	22.876	ug/l	99
31) Cyclohexane	7.965	56	145750	20.629	ug/l #	95
32) 1,1,1-Trichloroethane	7.886	97	116622	21.833	ug/l	95
36) 1,1-Dichloropropene	8.093	75	118594	20.705	ug/l	99
37) Ethyl Acetate	7.270	43	85960	20.182	ug/l	98
38) Carbon Tetrachloride	8.075	117	103030	20.244	ug/l	99
39) Methylcyclohexane	9.337	83	138055	18.606	ug/l	92
40) Benzene	8.337	78	378538	20.522	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	46836	20.018	ug/l	97
42) 1,2-Dichloroethane	8.410	62	115683	21.352	ug/l	100
43) Isopropyl Acetate	8.435	43	144396	19.147	ug/l	99
44) Trichloroethene	9.105	130	86206	20.085	ug/l	85
45) 1,2-Dichloropropane	9.374	63	98626	21.473	ug/l	98
46) Dibromomethane	9.465	93	56787	21.158	ug/l	97
47) Bromodichloromethane	9.648	83	125974	20.576	ug/l	97
48) Methyl methacrylate	9.441	41	65784	18.356	ug/l	94
49) 1,4-Dioxane	9.459	88	15819	420.730	ug/l #	94
51) 4-Methyl-2-Pentanone	10.209	43	432798	103.809	ug/l	97
52) Toluene	10.386	92	236574	20.764	ug/l	99
53) t-1,3-Dichloropropene	10.605	75	118986	18.871	ug/l	98
54) cis-1,3-Dichloropropene	10.075	75	142953	19.605	ug/l	99
55) 1,1,2-Trichloroethane	10.788	97	78464	21.310	ug/l	96
56) Ethyl methacrylate	10.648	69	106811	18.907	ug/l	100
57) 1,3-Dichloropropane	10.934	76	135216	20.562	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.928	63	318055	105.717	ug/l	98
59) 2-Hexanone	10.971	43	305442	100.134	ug/l	97
60) Dibromochloromethane	11.129	129	83238	20.244	ug/l	98
61) 1,2-Dibromoethane	11.233	107	71546	19.951	ug/l	96
64) Tetrachloroethene	10.861	164	69045	19.999	ug/l #	81
65) Chlorobenzene	11.654	112	256514	20.414	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.727	131	79084	20.336	ug/l	99
67) Ethyl Benzene	11.727	91	433875	19.956	ug/l	97
68) m/p-Xylenes	11.837	106	340570	41.720	ug/l	99
69) o-Xylene	12.166	106	157194	20.111	ug/l	96
70) Styrene	12.178	104	279689	20.801	ug/l	97
71) Bromoform	12.349	173	41614	18.067	ug/l #	100
73) Isopropylbenzene	12.458	105	390667	18.842	ug/l	99
74) N-amyl acetate	12.270	43	133372	18.512	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.715	83	100986	20.523	ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	83716m	21.627	ug/l	
77) Bromobenzene	12.745	156	93397	19.026	ug/l	94
78) n-propylbenzene	12.800	91	497124	19.689	ug/l	100
79) 2-Chlorotoluene	12.891	91	307140	19.927	ug/l	99
80) 1,3,5-Trimethylbenzene	12.940	105	336876	19.695	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.507	75	29806	17.637	ug/l	86
82) 4-Chlorotoluene	12.983	91	324792	20.260	ug/l	98
83) tert-Butylbenzene	13.202	119	277264	18.634	ug/l	98
84) 1,2,4-Trimethylbenzene	13.245	105	344326	19.791	ug/l	99
85) sec-Butylbenzene	13.379	105	419769	18.942	ug/l	99
86) p-Isopropyltoluene	13.495	119	348101	19.025	ug/l	98
87) 1,3-Dichlorobenzene	13.495	146	191934	20.622	ug/l	99
88) 1,4-Dichlorobenzene	13.574	146	192270	20.164	ug/l	96
89) n-Butylbenzene	13.818	91	351431	19.660	ug/l	98
90) Hexachloroethane	14.086	117	64187	19.457	ug/l	91
91) 1,2-Dichlorobenzene	13.867	146	172438	20.183	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.483	75	16864	19.895	ug/l	92
93) 1,2,4-Trichlorobenzene	15.123	180	105983	19.493	ug/l	99
94) Hexachlorobutadiene	15.226	225	45336	20.073	ug/l	98
95) Naphthalene	15.360	128	242022	17.850	ug/l	100
96) 1,2,3-Trichlorobenzene	15.549	180	93806	19.004	ug/l	94

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

