

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121125\
 Data File : VW032620.D
 Acq On : 11 Dec 2025 10:19
 Operator : SY/MD
 Sample : VW1211SBS01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1211SBS01

Quant Time: Dec 12 00:40:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W121025S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 11 01:56:28 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	360138	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	688529	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	603823	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	305293	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.313	65	243768	43.525	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	87.040%
35) Dibromofluoromethane	7.898	113	196508	40.700	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	81.400%
50) Toluene-d8	10.325	98	751428	42.525	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	85.060%
62) 4-Bromofluorobenzene	12.617	95	278365	42.908	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	85.820%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.046	85	49523	22.145	ug/l	98
3) Chloromethane	2.253	50	80408	20.382	ug/l	99
4) Vinyl Chloride	2.399	62	102369	21.746	ug/l	99
5) Bromomethane	2.820	94	65311	20.831	ug/l	100
6) Chloroethane	2.960	64	63716	20.977	ug/l	95
7) Trichlorofluoromethane	3.302	101	76282	18.510	ug/l	99
8) Diethyl Ether	3.716	74	57359	20.785	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.100	101	88784	21.513	ug/l	96
10) Methyl Iodide	4.301	142	123019	21.406	ug/l	99
11) Tert butyl alcohol	5.222	59	32168	86.010	ug/l #	91
12) 1,1-Dichloroethene	4.070	96	93004	21.273	ug/l	95
13) Acrolein	3.930	56	51897	82.433	ug/l	99
14) Allyl chloride	4.704	41	165696	20.388	ug/l	99
15) Acrylonitrile	5.399	53	148847	96.521	ug/l	99
16) Acetone	4.161	43	177414	94.033	ug/l	98
17) Carbon Disulfide	4.417	76	268328	21.118	ug/l	97
18) Methyl Acetate	4.710	43	66494	18.066	ug/l	100
19) Methyl tert-butyl Ether	5.460	73	177005	20.392	ug/l	93
20) Methylene Chloride	4.948	84	115234	20.006	ug/l	97
21) trans-1,2-Dichloroethene	5.454	96	97475	20.414	ug/l	99
22) Diisopropyl ether	6.332	45	341313	20.740	ug/l	96
23) Vinyl Acetate	6.277	43	1118792	100.546	ug/l	98
24) 1,1-Dichloroethane	6.240	63	195182	20.739	ug/l	98
25) 2-Butanone	7.191	43	215543	97.227	ug/l	99
26) 2,2-Dichloropropane	7.185	77	107162	20.279	ug/l	98
27) cis-1,2-Dichloroethene	7.185	96	110885	19.889	ug/l	98
28) Bromochloromethane	7.526	49	85793	22.947	ug/l	98
29) Tetrahydrofuran	7.551	42	127039	95.451	ug/l	99
30) Chloroform	7.685	83	195546	21.064	ug/l	96
31) Cyclohexane	7.965	56	177264	20.435	ug/l	96
32) 1,1,1-Trichloroethane	7.886	97	144513	21.170	ug/l	99
36) 1,1-Dichloropropene	8.093	75	137989	19.466	ug/l	98
37) Ethyl Acetate	7.270	43	90552	18.649	ug/l	98
38) Carbon Tetrachloride	8.081	117	126399	19.278	ug/l	94
39) Methylcyclohexane	9.343	83	172655	19.367	ug/l	96
40) Benzene	8.331	78	420851	19.570	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.496	41	49720	19.158	ug/l	95
42) 1,2-Dichloroethane	8.410	62	134147	19.592	ug/l	99
43) Isopropyl Acetate	8.429	43	154758	17.972	ug/l	99
44) Trichloroethene	9.099	130	92451	18.828	ug/l	97
45) 1,2-Dichloropropane	9.374	63	106128	19.503	ug/l	99
46) Dibromomethane	9.465	93	62117	19.484	ug/l	97
47) Bromodichloromethane	9.648	83	142010	19.149	ug/l	98
48) Methyl methacrylate	9.441	41	77938	19.176	ug/l	93
49) 1,4-Dioxane	9.459	88	14402	336.733	ug/l #	91
51) 4-Methyl-2-Pentanone	10.209	43	447109	93.128	ug/l	99
52) Toluene	10.386	92	256850	19.413	ug/l	98
53) t-1,3-Dichloropropene	10.605	75	136440	18.659	ug/l	99
54) cis-1,3-Dichloropropene	10.075	75	156537	18.565	ug/l	99
55) 1,1,2-Trichloroethane	10.788	97	81756	19.112	ug/l	95
56) Ethyl methacrylate	10.648	69	111949	18.128	ug/l	99
57) 1,3-Dichloropropane	10.934	76	148599	19.341	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.928	63	287290	174.368	ug/l	99
59) 2-Hexanone	10.971	43	322041	92.616	ug/l	99
60) Dibromochloromethane	11.129	129	90833	19.064	ug/l	94
61) 1,2-Dibromoethane	11.233	107	79027	19.105	ug/l	97
64) Tetrachloroethene	10.867	164	79841	20.623	ug/l #	87
65) Chlorobenzene	11.654	112	284232	20.615	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.727	131	86474	20.083	ug/l	97
67) Ethyl Benzene	11.727	91	482022	20.229	ug/l	98
68) m/p-Xylenes	11.837	106	366197	40.044	ug/l	99
69) o-Xylene	12.166	106	164185	19.467	ug/l	97
70) Styrene	12.178	104	296541	20.168	ug/l	99
71) Bromoform	12.349	173	46879	18.751	ug/l #	98
73) Isopropylbenzene	12.465	105	425102	18.307	ug/l	98
74) N-amyl acetate	12.270	43	140469	17.656	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.708	83	103811	18.570	ug/l	97
76) 1,2,3-Trichloropropane	12.763	75	73907m	18.041	ug/l	
77) Bromobenzene	12.745	156	101803	19.105	ug/l	96
78) n-propylbenzene	12.800	91	557025	18.780	ug/l	100
79) 2-Chlorotoluene	12.885	91	325240	18.680	ug/l	99
80) 1,3,5-Trimethylbenzene	12.940	105	368060	18.871	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.507	75	32223	22.196	ug/l	97
82) 4-Chlorotoluene	12.983	91	355394	19.220	ug/l	99
83) tert-Butylbenzene	13.202	119	306995	18.477	ug/l	99
84) 1,2,4-Trimethylbenzene	13.245	105	367779	18.697	ug/l	100
85) sec-Butylbenzene	13.379	105	469452	18.454	ug/l	100
86) p-Isopropyltoluene	13.495	119	385672	18.640	ug/l	100
87) 1,3-Dichlorobenzene	13.495	146	204518	18.752	ug/l	98
88) 1,4-Dichlorobenzene	13.574	146	208571	19.205	ug/l	99
89) n-Butylbenzene	13.818	91	384724	18.507	ug/l	98
90) Hexachloroethane	14.086	117	70779	18.315	ug/l	100
91) 1,2-Dichlorobenzene	13.867	146	189387	19.238	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.476	75	17593	17.719	ug/l	96
93) 1,2,4-Trichlorobenzene	15.129	180	103370	17.679	ug/l	97
94) Hexachlorobutadiene	15.226	225	51830	18.752	ug/l	95
95) Naphthalene	15.360	128	238811	22.533	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	98485	17.819	ug/l	98

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

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