

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102025\
 Data File : VW032380.D
 Acq On : 20 Oct 2025 11:41
 Operator : SY/MD
 Sample : VW1020SBS01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 21 01:23:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 02 21:24:16 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Amit Patel 10/21/2025
 Supervised By :Semsettin Yesilyurt 10/21/2025

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	280998	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	517149	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	480746	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	240746	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	213734	52.149	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 104.300%			
35) Dibromofluoromethane	7.898	113	178453	53.284	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 106.560%			
50) Toluene-d8	10.325	98	655431	53.025	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 106.040%			
62) 4-Bromofluorobenzene	12.617	95	241390	51.667	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 103.340%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.046	85	35044	19.874	ug/l	99
3) Chloromethane	2.253	50	54581	20.061	ug/l	99
4) Vinyl Chloride	2.405	62	71685	22.069	ug/l	99
5) Bromomethane	2.820	94	50437	21.129	ug/l	99
6) Chloroethane	2.966	64	45866	21.387	ug/l	95
7) Trichlorofluoromethane	3.302	101	47291	19.445	ug/l	96
8) Diethyl Ether	3.716	74	42688	20.256	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.106	101	60961	20.898	ug/l	95
10) Methyl Iodide	4.301	142	90782	21.811	ug/l	98
11) Tert butyl alcohol	5.216	59	25591	82.490	ug/l	98
12) 1,1-Dichloroethene	4.076	96	68828	21.733	ug/l	90
13) Acrolein	3.929	56	32482	64.514	ug/l	100
14) Allyl chloride	4.698	41	108462	20.277	ug/l	91
15) Acrylonitrile	5.405	53	100696	91.844	ug/l	99
16) Acetone	4.161	43	110171	97.079	ug/l	99
17) Carbon Disulfide	4.417	76	182726	21.147	ug/l	97
18) Methyl Acetate	4.710	43	57010	17.537	ug/l	99
19) Methyl tert-butyl Ether	5.460	73	118617	19.017	ug/l	97
20) Methylene Chloride	4.948	84	83888	19.017	ug/l	98
21) trans-1,2-Dichloroethene	5.454	96	73585	20.987	ug/l	97
22) Diisopropyl ether	6.338	45	227221	20.425	ug/l	94
23) Vinyl Acetate	6.283	43	713649	96.045	ug/l	100
24) 1,1-Dichloroethane	6.240	63	140635	20.809	ug/l	97
25) 2-Butanone	7.191	43	135380	87.590	ug/l	100
26) 2,2-Dichloropropane	7.185	77	76369	22.091	ug/l	99
27) cis-1,2-Dichloroethene	7.191	96	85339	20.260	ug/l	93
28) Bromochloromethane	7.526	49	66032	20.766	ug/l	88
29) Tetrahydrofuran	7.551	42	84977	87.426	ug/l	94
30) Chloroform	7.691	83	147499	21.519	ug/l	98
31) Cyclohexane	7.965	56	110671	19.181	ug/l	98
32) 1,1,1-Trichloroethane	7.886	97	104287	21.471	ug/l	100
36) 1,1-Dichloropropene	8.093	75	97235	20.572	ug/l	98
37) Ethyl Acetate	7.270	43	57160	18.169	ug/l	99
38) Carbon Tetrachloride	8.081	117	97878	22.006	ug/l	98
39) Methylcyclohexane	9.343	83	110291	19.345	ug/l	98
40) Benzene	8.337	78	309652	20.901	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.496	41	32519	19.180	ug/l	91
42) 1,2-Dichloroethane	8.410	62	99820	20.591	ug/l	100
43) Isopropyl Acetate	8.435	43	101969	18.271	ug/l	97
44) Trichloroethene	9.099	130	70587	20.348	ug/l	91
45) 1,2-Dichloropropane	9.374	63	77735	21.021	ug/l	97
46) Dibromomethane	9.465	93	47706	20.980	ug/l	93
47) Bromodichloromethane	9.648	83	114292	21.975	ug/l	94
48) Methyl methacrylate	9.441	41	47476	17.496	ug/l	93
49) 1,4-Dioxane	9.459	88	11448	368.334	ug/l #	85
51) 4-Methyl-2-Pentanone	10.215	43	298346	92.294	ug/l	98
52) Toluene	10.392	92	191814	20.790	ug/l	98
53) t-1,3-Dichloropropene	10.605	75	102094	20.233	ug/l	98
54) cis-1,3-Dichloropropene	10.075	75	120341	20.705	ug/l	98
55) 1,1,2-Trichloroethane	10.788	97	62846	20.679	ug/l	97
56) Ethyl methacrylate	10.648	69	78320	18.412	ug/l	95
57) 1,3-Dichloropropane	10.934	76	109231	20.350	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.928	63	202349	89.381	ug/l	95
59) 2-Hexanone	10.971	43	211671	92.843	ug/l	97
60) Dibromochloromethane	11.129	129	74905	21.706	ug/l	99
61) 1,2-Dibromoethane	11.239	107	60047	20.263	ug/l	97
64) Tetrachloroethene	10.861	164	57861	20.114	ug/l	88
65) Chlorobenzene	11.660	112	213685	20.202	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.727	131	72938	22.139	ug/l	97
67) Ethyl Benzene	11.727	91	361301	20.492	ug/l	94
68) m/p-Xylenes	11.837	106	279914	41.170	ug/l	100
69) o-Xylene	12.166	106	125704	19.771	ug/l	97
70) Styrene	12.178	104	233906	21.071	ug/l	97
71) Bromoform	12.349	173	40631	21.516	ug/l #	98
73) Isopropylbenzene	12.458	105	326100	19.799	ug/l	100
74) N-amyl acetate	12.269	43	92502	17.605	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.714	83	77328	18.908	ug/l	100
76) 1,2,3-Trichloropropane	12.763	75	67320m	21.249	ug/l	
77) Bromobenzene	12.745	156	80266	20.216	ug/l	93
78) n-propylbenzene	12.800	91	415401	20.190	ug/l	97
79) 2-Chlorotoluene	12.891	91	252737	20.091	ug/l	99
80) 1,3,5-Trimethylbenzene	12.940	105	280554	19.699	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.507	75	24052	19.233	ug/l	92
82) 4-Chlorotoluene	12.989	91	270686	20.239	ug/l	99
83) tert-Butylbenzene	13.202	119	226702	19.400	ug/l	97
84) 1,2,4-Trimethylbenzene	13.245	105	290311	20.046	ug/l	100
85) sec-Butylbenzene	13.379	105	350178	19.609	ug/l	100
86) p-Isopropyltoluene	13.495	119	293214	19.788	ug/l	100
87) 1,3-Dichlorobenzene	13.495	146	163992	20.398	ug/l	96
88) 1,4-Dichlorobenzene	13.574	146	162933	20.268	ug/l	98
89) n-Butylbenzene	13.818	91	285250	19.717	ug/l	97
90) Hexachloroethane	14.086	117	58655	22.085	ug/l	94
91) 1,2-Dichlorobenzene	13.867	146	145087	19.964	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.476	75	13154	18.371	ug/l	87
93) 1,2,4-Trichlorobenzene	15.129	180	83664	19.198	ug/l	96
94) Hexachlorobutadiene	15.226	225	40248	20.200	ug/l	89
95) Naphthalene	15.360	128	178782	17.083	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	78242	19.048	ug/l	98

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

