

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111825\
 Data File : VW032471.D
 Acq On : 18 Nov 2025 11:02
 Operator : SY/MD
 Sample : VW1118SBS01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1118SBS01

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 11/19/2025
 Supervised By :Mahesh Dadoda 11/19/2025

Quant Time: Nov 19 00:25:25 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	7.959	168	367695	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	692034	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	614192	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	277057	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	247225	52.152	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 104.300%			
35) Dibromofluoromethane	7.904	113	209098	50.466	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 100.940%			
50) Toluene-d8	10.325	98	814032	51.212	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 102.420%			
62) 4-Bromofluorobenzene	12.617	95	298194	49.661	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 99.320%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.040	85	40835	21.889	ug/l	94
3) Chloromethane	2.253	50	70404	22.017	ug/l	99
4) Vinyl Chloride	2.405	62	90715	22.479	ug/l	95
5) Bromomethane	2.820	94	60053	22.246	ug/l	97
6) Chloroethane	2.966	64	57168	21.652	ug/l	99
7) Trichlorofluoromethane	3.308	101	70047	22.138	ug/l	92
8) Diethyl Ether	3.716	74	53653	20.741	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.100	101	78214	22.693	ug/l	98
10) Methyl Iodide	4.307	142	117653	21.194	ug/l	98
11) Tert butyl alcohol	5.216	59	44484	108.522	ug/l	100
12) 1,1-Dichloroethene	4.076	96	88001	22.266	ug/l	100
13) Acrolein	3.929	56	61188	88.969	ug/l	98
14) Allyl chloride	4.704	41	164742	21.676	ug/l	98
15) Acrylonitrile	5.405	53	158572	106.019	ug/l	98
16) Acetone	4.161	43	148438	104.664	ug/l	98
17) Carbon Disulfide	4.417	76	251424	21.524	ug/l	98
18) Methyl Acetate	4.710	43	70239	20.000	ug/l	100
19) Methyl tert-butyl Ether	5.466	73	172461	20.701	ug/l	100
20) Methylene Chloride	4.954	84	119594	23.580	ug/l	98
21) trans-1,2-Dichloroethene	5.460	96	99851	22.095	ug/l	93
22) Diisopropyl ether	6.344	45	347227	22.439	ug/l	96
23) Vinyl Acetate	6.283	43	1145335	108.030	ug/l	98
24) 1,1-Dichloroethane	6.246	63	191582	22.597	ug/l	99
25) 2-Butanone	7.191	43	211255	101.107	ug/l	97
26) 2,2-Dichloropropane	7.185	77	106084	22.452	ug/l	97
27) cis-1,2-Dichloroethene	7.191	96	116504	21.576	ug/l	97
28) Bromochloromethane	7.532	49	91167	22.751	ug/l	95
29) Tetrahydrofuran	7.557	42	140552	105.984	ug/l	98
30) Chloroform	7.697	83	188461	22.707	ug/l	98
31) Cyclohexane	7.965	56	172748	22.027	ug/l	91
32) 1,1,1-Trichloroethane	7.886	97	131999	22.263	ug/l	98
36) 1,1-Dichloropropene	8.093	75	136205	22.311	ug/l	98
37) Ethyl Acetate	7.276	43	95805	21.105	ug/l	99
38) Carbon Tetrachloride	8.081	117	122018	22.494	ug/l	89
39) Methylcyclohexane	9.343	83	164638	20.818	ug/l	91
40) Benzene	8.337	78	428421	21.792	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	49368	19.797	ug/l	97
42) 1,2-Dichloroethane	8.410	62	126122	21.841	ug/l	99
43) Isopropyl Acetate	8.435	43	164319	20.442	ug/l	99
44) Trichloroethene	9.099	130	97571	21.328	ug/l	98
45) 1,2-Dichloropropane	9.374	63	106607	21.777	ug/l	98
46) Dibromomethane	9.465	93	62759	21.939	ug/l	97
47) Bromodichloromethane	9.654	83	139764	21.418	ug/l	97
48) Methyl methacrylate	9.441	41	73924	19.354	ug/l	95
49) 1,4-Dioxane	9.465	88	16943	422.790	ug/l #	97
51) 4-Methyl-2-Pentanone	10.215	43	469930	105.753	ug/l	99
52) Toluene	10.392	92	266368	21.935	ug/l	98
53) t-1,3-Dichloropropene	10.611	75	137060	20.395	ug/l	97
54) cis-1,3-Dichloropropene	10.081	75	161937	20.837	ug/l	99
55) 1,1,2-Trichloroethane	10.788	97	83014	21.154	ug/l	98
56) Ethyl methacrylate	10.648	69	118441	19.670	ug/l	98
57) 1,3-Dichloropropane	10.934	76	150752	21.508	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.928	63	334590	104.343	ug/l	100
59) 2-Hexanone	10.971	43	328281	100.974	ug/l	97
60) Dibromochloromethane	11.136	129	90803	20.720	ug/l	99
61) 1,2-Dibromoethane	11.239	107	79907	20.906	ug/l	99
64) Tetrachloroethene	10.861	164	76983	21.166	ug/l	92
65) Chlorobenzene	11.654	112	284215	21.470	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.733	131	85505	20.871	ug/l	97
67) Ethyl Benzene	11.727	91	501618	21.899	ug/l	99
68) m/p-Xylenes	11.837	106	381526	44.363	ug/l	99
69) o-Xylene	12.166	106	174487	21.189	ug/l	100
70) Styrene	12.178	104	310384	21.911	ug/l	100
71) Bromoform	12.343	173	46921	19.336	ug/l #	98
73) Isopropylbenzene	12.458	105	440952	21.670	ug/l	100
74) N-amyl acetate	12.269	43	149690	21.170	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.708	83	107453	22.251	ug/l	100
76) 1,2,3-Trichloropropane	12.763	75	76438m	20.121	ug/l	
77) Bromobenzene	12.745	156	102986	21.376	ug/l	92
78) n-propylbenzene	12.800	91	559230	22.568	ug/l	100
79) 2-Chlorotoluene	12.891	91	340426	22.504	ug/l	100
80) 1,3,5-Trimethylbenzene	12.940	105	374042	22.281	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.507	75	33213	20.025	ug/l	92
82) 4-Chlorotoluene	12.989	91	355073	22.568	ug/l	100
83) tert-Butylbenzene	13.202	119	315255	21.588	ug/l	99
84) 1,2,4-Trimethylbenzene	13.245	105	383766	22.476	ug/l	100
85) sec-Butylbenzene	13.379	105	481804	22.154	ug/l	99
86) p-Isopropyltoluene	13.495	119	401289	22.347	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	205534	22.502	ug/l	97
88) 1,4-Dichlorobenzene	13.574	146	202383	21.627	ug/l	95
89) n-Butylbenzene	13.818	91	385664	21.984	ug/l	98
90) Hexachloroethane	14.086	117	71838	22.189	ug/l	96
91) 1,2-Dichlorobenzene	13.867	146	181954	21.700	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.476	75	16497	19.830	ug/l	96
93) 1,2,4-Trichlorobenzene	15.129	180	106304	19.922	ug/l	92
94) Hexachlorobutadiene	15.232	225	45508	20.531	ug/l	90
95) Naphthalene	15.360	128	256327	19.263	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	99190	20.475	ug/l	96

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

