

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111125\
 Data File : VW032418.D
 Acq On : 11 Nov 2025 10:21
 Operator : SY/MD
 Sample : VW1111SBSD01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1111SBSD01

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 11/12/2025
 Supervised By :Mahesh Dadoda 11/12/2025

Quant Time: Nov 12 03:44:06 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	7.965	168	419398	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	800811	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	702782	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	321153	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	273700	50.619	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 101.240%			
35) Dibromofluoromethane	7.904	113	226016	47.139	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 94.280%			
50) Toluene-d8	10.325	98	883581	48.037	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 96.080%			
62) 4-Bromofluorobenzene	12.617	95	324060	46.638	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 93.280%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.046	85	36690	17.243	ug/l	98
3) Chloromethane	2.253	50	74732	20.490	ug/l	100
4) Vinyl Chloride	2.405	62	93282	20.265	ug/l	98
5) Bromomethane	2.814	94	64959	21.097	ug/l	93
6) Chloroethane	2.966	64	61667	20.477	ug/l	96
7) Trichlorofluoromethane	3.301	101	72929	20.208	ug/l	99
8) Diethyl Ether	3.722	74	60006	20.337	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.106	101	78883	20.065	ug/l	99
10) Methyl Iodide	4.307	142	130307	20.579	ug/l	98
11) Tert butyl alcohol	5.216	59	46510	99.477	ug/l	99
12) 1,1-Dichloroethene	4.076	96	91532	20.305	ug/l	98
13) Acrolein	3.936	56	83157	106.006	ug/l	100
14) Allyl chloride	4.710	41	177040	20.422	ug/l	98
15) Acrylonitrile	5.405	53	170008	99.653	ug/l	98
16) Acetone	4.161	43	182602	112.881	ug/l	99
17) Carbon Disulfide	4.417	76	273905	20.558	ug/l	97
18) Methyl Acetate	4.710	43	79050	19.734	ug/l	99
19) Methyl tert-butyl Ether	5.466	73	197454	20.779	ug/l	99
20) Methylene Chloride	4.954	84	112776	19.494	ug/l	97
21) trans-1,2-Dichloroethene	5.460	96	105086	20.387	ug/l	98
22) Diisopropyl ether	6.338	45	375229	21.259	ug/l	96
23) Vinyl Acetate	6.283	43	1261647	104.330	ug/l	97
24) 1,1-Dichloroethane	6.252	63	198973	20.576	ug/l	99
25) 2-Butanone	7.197	43	253333	106.299	ug/l	99
26) 2,2-Dichloropropane	7.191	77	108403	20.114	ug/l	99
27) cis-1,2-Dichloroethene	7.197	96	125703	20.409	ug/l	98
28) Bromochloromethane	7.532	49	93614	20.482	ug/l	99
29) Tetrahydrofuran	7.551	42	153863	101.718	ug/l	99
30) Chloroform	7.697	83	198684	20.988	ug/l	99
31) Cyclohexane	7.971	56	178622	19.968	ug/l	97
32) 1,1,1-Trichloroethane	7.892	97	141908	20.984	ug/l	98
36) 1,1-Dichloropropene	8.099	75	140998	19.959	ug/l	99
37) Ethyl Acetate	7.276	43	100549	19.141	ug/l	99
38) Carbon Tetrachloride	8.081	117	124977	19.910	ug/l	91
39) Methylcyclohexane	9.343	83	177867	19.435	ug/l	96
40) Benzene	8.337	78	448366	19.708	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	59648	20.670	ug/l	95
42) 1,2-Dichloroethane	8.410	62	133173	19.929	ug/l	99
43) Isopropyl Acetate	8.435	43	184803	19.868	ug/l	100
44) Trichloroethene	9.099	130	103283	19.510	ug/l	99
45) 1,2-Dichloropropane	9.380	63	111670	19.713	ug/l	99
46) Dibromomethane	9.465	93	65788	19.874	ug/l	96
47) Bromodichloromethane	9.654	83	151191	20.022	ug/l	98
48) Methyl methacrylate	9.441	41	82916	18.759	ug/l	95
49) 1,4-Dioxane	9.471	88	17159	370.018	ug/l #	89
51) 4-Methyl-2-Pentanone	10.215	43	516256	100.397	ug/l	100
52) Toluene	10.392	92	277679	19.760	ug/l	99
53) t-1,3-Dichloropropene	10.611	75	150828	19.395	ug/l	95
54) cis-1,3-Dichloropropene	10.081	75	174953	19.454	ug/l	99
55) 1,1,2-Trichloroethane	10.788	97	91425	20.132	ug/l	94
56) Ethyl methacrylate	10.648	69	133070	19.098	ug/l	99
57) 1,3-Dichloropropane	10.934	76	162811	20.073	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.928	63	374443	100.910	ug/l	100
59) 2-Hexanone	10.971	43	379060	100.756	ug/l	99
60) Dibromochloromethane	11.129	129	99792	19.678	ug/l	99
61) 1,2-Dibromoethane	11.239	107	87650	19.817	ug/l	96
64) Tetrachloroethene	10.867	164	85265	20.488	ug/l	89
65) Chlorobenzene	11.654	112	297697	19.653	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.733	131	92643	19.762	ug/l	99
67) Ethyl Benzene	11.727	91	525915	20.066	ug/l	98
68) m/p-Xylenes	11.837	106	403624	41.016	ug/l	98
69) o-Xylene	12.166	106	188000	19.953	ug/l	100
70) Styrene	12.178	104	319683	19.723	ug/l	99
71) Bromoform	12.349	173	54244	19.536	ug/l #	99
73) Isopropylbenzene	12.464	105	481887	20.430	ug/l	98
74) N-amyl acetate	12.269	43	164118	20.024	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.714	83	115575	20.647	ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	84270m	19.137	ug/l	
77) Bromobenzene	12.745	156	109510	19.610	ug/l	92
78) n-propylbenzene	12.800	91	601404	20.937	ug/l	98
79) 2-Chlorotoluene	12.891	91	363834	20.749	ug/l	99
80) 1,3,5-Trimethylbenzene	12.940	105	398351	20.471	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.513	75	38164	19.850	ug/l	98
82) 4-Chlorotoluene	12.989	91	377160	20.680	ug/l	98
83) tert-Butylbenzene	13.202	119	342260	20.219	ug/l	98
84) 1,2,4-Trimethylbenzene	13.245	105	409387	20.685	ug/l	99
85) sec-Butylbenzene	13.379	105	502121	19.918	ug/l	100
86) p-Isopropyltoluene	13.495	119	417419	20.054	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	220539	20.829	ug/l	99
88) 1,4-Dichlorobenzene	13.574	146	223516	20.605	ug/l	98
89) n-Butylbenzene	13.818	91	412879	20.303	ug/l	99
90) Hexachloroethane	14.086	117	77624	20.684	ug/l	90
91) 1,2-Dichlorobenzene	13.867	146	203564	20.943	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.482	75	19683	20.411	ug/l	97
93) 1,2,4-Trichlorobenzene	15.129	180	123783	20.013	ug/l	95
94) Hexachlorobutadiene	15.226	225	54615	21.257	ug/l	97
95) Naphthalene	15.360	128	303247	19.660	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	113920	20.287	ug/l	99

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

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