

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111125\
 Data File : VW032417.D
 Acq On : 11 Nov 2025 10:00
 Operator : SY/MD
 Sample : VW1111SBS01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1111SBS01

Manual Integrations
 APPROVED

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

Quant Time: Nov 12 03:43:18 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	436360	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	782865	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	700699	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	322112	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	272975	48.523	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	97.040%		
35) Dibromofluoromethane	7.898	113	232064	49.510	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	99.020%		
50) Toluene-d8	10.324	98	922037	51.277	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	102.560%		
62) 4-Bromofluorobenzene	12.617	95	343026	50.499	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	101.000%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.051	85	41489	18.740	ug/l	92
3) Chloromethane	2.253	50	78459	20.675	ug/l	99
4) Vinyl Chloride	2.405	62	100720	21.031	ug/l	94
5) Bromomethane	2.820	94	66815	20.856	ug/l	86
6) Chloroethane	2.966	64	64340	20.534	ug/l	99
7) Trichlorofluoromethane	3.307	101	68862	18.339	ug/l	93
8) Diethyl Ether	3.722	74	60131	19.587	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.100	101	87296	21.342	ug/l	97
10) Methyl Iodide	4.307	142	130946	19.877	ug/l	99
11) Tert butyl alcohol	5.209	59	39926m	82.075	ug/l	
12) 1,1-Dichloroethene	4.075	96	100130	21.349	ug/l	98
13) Acrolein	3.929	56	77344	94.763	ug/l	99
14) Allyl chloride	4.703	41	182315	20.213	ug/l	98
15) Acrylonitrile	5.404	53	162387	91.485	ug/l	99
16) Acetone	4.161	43	170667	101.402	ug/l	99
17) Carbon Disulfide	4.423	76	281977	20.341	ug/l	96
18) Methyl Acetate	4.709	43	71779	17.222	ug/l	100
19) Methyl tert-butyl Ether	5.459	73	193164	19.538	ug/l	98
20) Methylene Chloride	4.953	84	115348	19.164	ug/l	96
21) trans-1,2-Dichloroethene	5.459	96	108024	20.142	ug/l	98
22) Diisopropyl ether	6.343	45	374441	20.390	ug/l	94
23) Vinyl Acetate	6.282	43	1207298	95.955	ug/l	99
24) 1,1-Dichloroethane	6.246	63	207089	20.583	ug/l	99
25) 2-Butanone	7.191	43	224145	90.396	ug/l	100
26) 2,2-Dichloropropane	7.191	77	112486	20.061	ug/l	100
27) cis-1,2-Dichloroethene	7.191	96	129519	20.212	ug/l	99
28) Bromochloromethane	7.526	49	92254	19.400	ug/l	99
29) Tetrahydrofuran	7.550	42	137114	87.122	ug/l	100
30) Chloroform	7.691	83	204053	20.717	ug/l	97
31) Cyclohexane	7.971	56	193811	20.824	ug/l	96
32) 1,1,1-Trichloroethane	7.886	97	146541	20.826	ug/l	99
36) 1,1-Dichloropropene	8.093	75	146806	21.257	ug/l	99
37) Ethyl Acetate	7.270	43	95387	18.575	ug/l	98
38) Carbon Tetrachloride	8.081	117	129945	21.176	ug/l	97
39) Methylcyclohexane	9.343	83	186531	20.849	ug/l	96
40) Benzene	8.337	78	465167	20.916	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.496	41	51421	18.228	ug/l	97
42) 1,2-Dichloroethane	8.410	62	132166	20.232	ug/l	100
43) Isopropyl Acetate	8.434	43	166641	18.326	ug/l	98
44) Trichloroethene	9.099	130	105263	20.340	ug/l	99
45) 1,2-Dichloropropane	9.373	63	114301	20.640	ug/l	98
46) Dibromomethane	9.465	93	65964	20.384	ug/l	98
47) Bromodichloromethane	9.648	83	148960	20.179	ug/l	96
48) Methyl methacrylate	9.440	41	82354	19.059	ug/l	99
49) 1,4-Dioxane	9.465	88	15786	348.214	ug/l #	98
51) 4-Methyl-2-Pentanone	10.215	43	462881	92.081	ug/l	100
52) Toluene	10.391	92	291874	21.247	ug/l	98
53) t-1,3-Dichloropropene	10.611	75	148545	19.539	ug/l	99
54) cis-1,3-Dichloropropene	10.074	75	177591	20.200	ug/l	99
55) 1,1,2-Trichloroethane	10.788	97	88696	19.979	ug/l	96
56) Ethyl methacrylate	10.647	69	126877	18.627	ug/l	99
57) 1,3-Dichloropropane	10.934	76	160122	20.194	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.928	63	354300	97.670	ug/l	100
59) 2-Hexanone	10.971	43	337174	91.677	ug/l	98
60) Dibromochloromethane	11.129	129	94974	19.157	ug/l	99
61) 1,2-Dibromoethane	11.233	107	84500	19.543	ug/l	96
64) Tetrachloroethene	10.861	164	88528	21.335	ug/l	88
65) Chlorobenzene	11.659	112	312387	20.684	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.726	131	94205	20.155	ug/l	98
67) Ethyl Benzene	11.726	91	536421	20.528	ug/l	100
68) m/p-Xylenes	11.836	106	410106	41.799	ug/l	98
69) o-Xylene	12.165	106	187804	19.991	ug/l	97
70) Styrene	12.178	104	337079	20.858	ug/l	100
71) Bromoform	12.348	173	50121	18.105	ug/l #	99
73) Isopropylbenzene	12.464	105	489968	20.711	ug/l	100
74) N-amyl acetate	12.269	43	152380	18.536	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.714	83	108555	19.335	ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	79285m	17.951	ug/l	
77) Bromobenzene	12.745	156	117001	20.889	ug/l	98
78) n-propylbenzene	12.799	91	621805	21.583	ug/l	98
79) 2-Chlorotoluene	12.891	91	363914	20.692	ug/l	100
80) 1,3,5-Trimethylbenzene	12.940	105	409190	20.966	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.507	75	34259	17.766	ug/l	94
82) 4-Chlorotoluene	12.982	91	390845	21.367	ug/l	100
83) tert-Butylbenzene	13.202	119	359916	21.199	ug/l	98
84) 1,2,4-Trimethylbenzene	13.245	105	418744	21.094	ug/l	99
85) sec-Butylbenzene	13.379	105	533899	21.115	ug/l	99
86) p-Isopropyltoluene	13.494	119	442367	21.189	ug/l	99
87) 1,3-Dichlorobenzene	13.494	146	234557	22.087	ug/l	94
88) 1,4-Dichlorobenzene	13.574	146	226602	20.828	ug/l	98
89) n-Butylbenzene	13.818	91	428538	21.011	ug/l	99
90) Hexachloroethane	14.086	117	77763	20.659	ug/l	98
91) 1,2-Dichlorobenzene	13.866	146	194313	19.932	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.482	75	17241	17.826	ug/l	97
93) 1,2,4-Trichlorobenzene	15.122	180	127042	20.478	ug/l	100
94) Hexachlorobutadiene	15.226	225	54540	21.164	ug/l	92
95) Naphthalene	15.360	128	283464	18.323	ug/l	100
96) 1,2,3-Trichlorobenzene	15.543	180	108438	19.253	ug/l	97

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

