

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100225\
 Data File : VW032324.D
 Acq On : 02 Oct 2025 11:48
 Operator : SY/MD
 Sample : VW1002SBS01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1002SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 10/03/2025
 Supervised By :Semsettin Yesilyurt 10/03/2025

Quant Time: Oct 02 21:34:15 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

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

Internal Standards						
1) Pentafluorobenzene	7.965	168	277189	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	526280	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	484324	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	242228	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	211135	52.223	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 104.440%			
35) Dibromofluoromethane	7.904	113	170671	50.076	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 100.160%			
50) Toluene-d8	10.325	98	651567	51.798	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 103.600%			
62) 4-Bromofluorobenzene	12.617	95	244879	51.505	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 103.000%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.040	85	35292	20.290	ug/l	96
3) Chloromethane	2.253	50	57316	21.355	ug/l	98
4) Vinyl Chloride	2.399	62	72814	22.724	ug/l	96
5) Bromomethane	2.814	94	52196	22.167	ug/l	96
6) Chloroethane	2.966	64	44092	20.842	ug/l	100
7) Trichlorofluoromethane	3.302	101	50494	21.047	ug/l	99
8) Diethyl Ether	3.716	74	47688	22.939	ug/l	89
9) 1,1,2-Trichlorotrifluo...	4.094	101	63532	22.078	ug/l	93
10) Methyl Iodide	4.301	142	91243	22.223	ug/l	99
11) Tert butyl alcohol	5.204	59	39544	129.218	ug/l #	92
12) 1,1-Dichloroethene	4.076	96	69815	22.348	ug/l	96
13) Acrolein	3.930	56	57342	115.454	ug/l	100
14) Allyl chloride	4.698	41	116506	22.080	ug/l	88
15) Acrylonitrile	5.393	53	115025	106.355	ug/l	99
16) Acetone	4.161	43	133233	119.014	ug/l	99
17) Carbon Disulfide	4.417	76	190217	22.316	ug/l	100
18) Methyl Acetate	4.704	43	61526	19.186	ug/l	99
19) Methyl tert-butyl Ether	5.460	73	134195	21.810	ug/l	95
20) Methylene Chloride	4.954	84	108542	26.810	ug/l	93
21) trans-1,2-Dichloroethene	5.460	96	74880	21.650	ug/l	98
22) Diisopropyl ether	6.338	45	244001	22.235	ug/l	95
23) Vinyl Acetate	6.277	43	800452	109.207	ug/l	99
24) 1,1-Dichloroethane	6.240	63	142157	21.323	ug/l	99
25) 2-Butanone	7.191	43	167396	109.792	ug/l	99
26) 2,2-Dichloropropane	7.185	77	80170	23.509	ug/l	98
27) cis-1,2-Dichloroethene	7.185	96	87523	21.064	ug/l	92
28) Bromochloromethane	7.533	49	67354	21.473	ug/l	89
29) Tetrahydrofuran	7.551	42	101272	105.622	ug/l	93
30) Chloroform	7.691	83	146855	21.720	ug/l	99
31) Cyclohexane	7.971	56	120796	21.224	ug/l	91
32) 1,1,1-Trichloroethane	7.886	97	107635	22.465	ug/l	99
36) 1,1-Dichloropropene	8.093	75	102563	21.323	ug/l	98
37) Ethyl Acetate	7.270	43	66109	20.649	ug/l	99
38) Carbon Tetrachloride	8.081	117	95980	21.205	ug/l	98
39) Methylcyclohexane	9.343	83	120270	20.729	ug/l	91
40) Benzene	8.337	78	312244	20.710	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.496	41	33699	19.531	ug/l	96
42) 1,2-Dichloroethane	8.410	62	104017	21.085	ug/l	99
43) Isopropyl Acetate	8.435	43	116950	20.591	ug/l	99
44) Trichloroethene	9.099	130	73487	20.816	ug/l	87
45) 1,2-Dichloropropane	9.374	63	77793	20.672	ug/l	100
46) Dibromomethane	9.465	93	48642	21.020	ug/l	94
47) Bromodichloromethane	9.648	83	110045	20.791	ug/l	96
48) Methyl methacrylate	9.441	41	54863	19.868	ug/l #	91
49) 1,4-Dioxane	9.465	88	12438	393.244	ug/l	88
51) 4-Methyl-2-Pentanone	10.215	43	343882	104.535	ug/l	99
52) Toluene	10.392	92	200400	21.344	ug/l	100
53) t-1,3-Dichloropropene	10.605	75	104350	20.322	ug/l	99
54) cis-1,3-Dichloropropene	10.075	75	122595	20.727	ug/l	95
55) 1,1,2-Trichloroethane	10.788	97	64240	20.771	ug/l	97
56) Ethyl methacrylate	10.648	69	89602	20.698	ug/l #	94
57) 1,3-Dichloropropane	10.934	76	114000	20.870	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.928	63	218251	94.732	ug/l	96
59) 2-Hexanone	10.971	43	248183	106.970	ug/l	98
60) Dibromochloromethane	11.129	129	71782	20.440	ug/l	96
61) 1,2-Dibromoethane	11.239	107	63584	21.084	ug/l	100
64) Tetrachloroethene	10.867	164	58875	20.315	ug/l	92
65) Chlorobenzene	11.654	112	220087	20.653	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.727	131	68197	20.547	ug/l	99
67) Ethyl Benzene	11.727	91	368398	20.740	ug/l	99
68) m/p-Xylenes	11.837	106	281970	41.166	ug/l	98
69) o-Xylene	12.166	106	133223	20.798	ug/l	98
70) Styrene	12.178	104	231753	20.723	ug/l	99
71) Bromoform	12.349	173	39869	20.956	ug/l #	93
73) Isopropylbenzene	12.458	105	331142	19.982	ug/l	99
74) N-amyl acetate	12.270	43	106443	20.134	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.715	83	83489	20.290	ug/l	100
76) 1,2,3-Trichloropropane	12.763	75	60719m	19.048	ug/l	
77) Bromobenzene	12.745	156	80252	20.089	ug/l	88
78) n-propylbenzene	12.800	91	429786	20.762	ug/l	98
79) 2-Chlorotoluene	12.891	91	258238	20.402	ug/l	97
80) 1,3,5-Trimethylbenzene	12.940	105	292453	20.409	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.513	75	24970	19.844	ug/l	96
82) 4-Chlorotoluene	12.983	91	275242	20.454	ug/l	98
83) tert-Butylbenzene	13.202	119	245859	20.911	ug/l	99
84) 1,2,4-Trimethylbenzene	13.245	105	292513	20.075	ug/l	99
85) sec-Butylbenzene	13.379	105	366744	20.411	ug/l	99
86) p-Isopropyltoluene	13.495	119	299340	20.078	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	165842	20.502	ug/l	97
88) 1,4-Dichlorobenzene	13.574	146	159923	19.772	ug/l	96
89) n-Butylbenzene	13.818	91	291226	20.007	ug/l	99
90) Hexachloroethane	14.086	117	53135	19.884	ug/l	96
91) 1,2-Dichlorobenzene	13.861	146	144371	19.744	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.476	75	14103	19.575	ug/l	89
93) 1,2,4-Trichlorobenzene	15.129	180	87719	20.005	ug/l	97
94) Hexachlorobutadiene	15.232	225	37751	18.831	ug/l	92
95) Naphthalene	15.360	128	209580	19.903	ug/l	100
96) 1,2,3-Trichlorobenzene	15.543	180	82423	19.943	ug/l	93

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

