

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120825\
 Data File : VW032589.D
 Acq On : 08 Dec 2025 12:39
 Operator : SY/MD
 Sample : VW1208SBS01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1208SBS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/09/2025
 Supervised By :Mahesh Dadoda 12/11/2025

Quant Time: Dec 09 02:16:46 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 04 04:04:32 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.965	168	314458	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	582852	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	505370	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	246600	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	260184	55.598	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 111.200%			
35) Dibromofluoromethane	7.898	113	208460	54.349	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 108.700%			
50) Toluene-d8	10.331	98	803497	55.672	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 111.340%			
62) 4-Bromofluorobenzene	12.617	95	284520	53.358	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 106.720%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.046	85	42747	21.961	ug/l	92
3) Chloromethane	2.253	50	67594	18.891	ug/l	98
4) Vinyl Chloride	2.405	62	90838	20.925	ug/l	95
5) Bromomethane	2.826	94	57427	19.919	ug/l	98
6) Chloroethane	2.966	64	55422	19.766	ug/l	97
7) Trichlorofluoromethane	3.308	101	71134	21.140	ug/l	94
8) Diethyl Ether	3.722	74	48490	19.494	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.100	101	77831	21.879	ug/l	98
10) Methyl Iodide	4.314	142	105750	19.710	ug/l	99
11) Tert butyl alcohol	5.216	59	33168	92.147	ug/l #	80
12) 1,1-Dichloroethene	4.076	96	80361	20.035	ug/l	92
13) Acrolein	3.929	56	68996	108.149	ug/l	96
14) Allyl chloride	4.710	41	144529	19.685	ug/l	98
15) Acrylonitrile	5.405	53	139443	106.747	ug/l	99
16) Acetone	4.161	43	167134	114.293	ug/l	100
17) Carbon Disulfide	4.423	76	233368	19.639	ug/l	96
18) Methyl Acetate	4.710	43	60505	20.089	ug/l	96
19) Methyl tert-butyl Ether	5.466	73	154918	20.722	ug/l	98
20) Methylene Chloride	4.954	84	107943	20.641	ug/l	95
21) trans-1,2-Dichloroethene	5.466	96	86970	19.845	ug/l	90
22) Diisopropyl ether	6.344	45	302057	20.614	ug/l	95
23) Vinyl Acetate	6.283	43	1013107	104.342	ug/l	99
24) 1,1-Dichloroethane	6.246	63	168770	19.838	ug/l	99
25) 2-Butanone	7.197	43	197681	105.335	ug/l	97
26) 2,2-Dichloropropane	7.191	77	93408	18.940	ug/l	98
27) cis-1,2-Dichloroethene	7.191	96	98803	19.365	ug/l	100
28) Bromochloromethane	7.532	49	110938	29.029	ug/l	97
29) Tetrahydrofuran	7.551	42	120221	107.288	ug/l	100
30) Chloroform	7.691	83	168468	19.953	ug/l	96
31) Cyclohexane	7.971	56	154819	20.638	ug/l	99
32) 1,1,1-Trichloroethane	7.886	97	123035	20.078	ug/l	99
36) 1,1-Dichloropropene	8.093	75	122320	20.908	ug/l	98
37) Ethyl Acetate	7.276	43	85781	21.187	ug/l	98
38) Carbon Tetrachloride	8.087	117	107578	19.793	ug/l	97
39) Methylcyclohexane	9.343	83	146389	20.492	ug/l	99
40) Benzene	8.337	78	364749	19.564	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	42697	19.490	ug/l	88
42) 1,2-Dichloroethane	8.416	62	117144	20.493	ug/l	100
43) Isopropyl Acetate	8.435	43	142286	20.446	ug/l	100
44) Trichloroethene	9.099	130	80927	19.422	ug/l	92
45) 1,2-Dichloropropane	9.374	63	93473	20.185	ug/l	98
46) Dibromomethane	9.465	93	54963	20.525	ug/l	97
47) Bromodichloromethane	9.654	83	124388	19.818	ug/l	95
48) Methyl methacrylate	9.441	41	71851	22.713	ug/l	98
49) 1,4-Dioxane	9.465	88	13663	427.000	ug/l #	94
51) 4-Methyl-2-Pentanone	10.215	43	414901	107.747	ug/l	99
52) Toluene	10.392	92	229035	20.388	ug/l	98
53) t-1,3-Dichloropropene	10.605	75	119454	19.839	ug/l	98
54) cis-1,3-Dichloropropene	10.081	75	142317	20.141	ug/l	93
55) 1,1,2-Trichloroethane	10.788	97	72800	20.298	ug/l	96
56) Ethyl methacrylate	10.648	69	99167	19.993	ug/l	96
57) 1,3-Dichloropropane	10.934	76	131580	20.556	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.928	63	300993	115.815	ug/l	100
59) 2-Hexanone	10.971	43	298300	108.775	ug/l	98
60) Dibromochloromethane	11.129	129	81277	20.219	ug/l	96
61) 1,2-Dibromoethane	11.239	107	69602	20.405	ug/l	100
64) Tetrachloroethene	10.867	164	67041	19.889	ug/l	97
65) Chlorobenzene	11.660	112	242734	20.327	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.733	131	71572	19.379	ug/l	94
67) Ethyl Benzene	11.733	91	413754	20.414	ug/l	98
68) m/p-Xylenes	11.837	106	318989	41.395	ug/l	99
69) o-Xylene	12.166	106	146211	20.718	ug/l	93
70) Styrene	12.178	104	258657	20.895	ug/l	98
71) Bromoform	12.349	173	42328	20.841	ug/l #	99
73) Isopropylbenzene	12.464	105	373868	20.438	ug/l	99
74) N-amyl acetate	12.269	43	127945	21.129	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.714	83	93888	21.803	ug/l	97
76) 1,2,3-Trichloropropane	12.763	75	67538m	20.240	ug/l	
77) Bromobenzene	12.745	156	88031	20.358	ug/l	99
78) n-propylbenzene	12.800	91	485607	20.808	ug/l	99
79) 2-Chlorotoluene	12.891	91	287956	20.694	ug/l	100
80) 1,3,5-Trimethylbenzene	12.940	105	314899	20.175	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.507	75	29039	20.468	ug/l	91
82) 4-Chlorotoluene	12.989	91	308279	20.716	ug/l	99
83) tert-Butylbenzene	13.202	119	264049	20.511	ug/l	100
84) 1,2,4-Trimethylbenzene	13.245	105	324543	20.815	ug/l	98
85) sec-Butylbenzene	13.379	105	405797	20.438	ug/l	99
86) p-Isopropyltoluene	13.495	119	339568	20.764	ug/l	98
87) 1,3-Dichlorobenzene	13.495	146	179301	20.279	ug/l	99
88) 1,4-Dichlorobenzene	13.580	146	173553	19.776	ug/l	94
89) n-Butylbenzene	13.818	91	329511	19.841	ug/l	98
90) Hexachloroethane	14.086	117	59831	19.102	ug/l	99
91) 1,2-Dichlorobenzene	13.867	146	163857	21.128	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.476	75	15377	20.711	ug/l	94
93) 1,2,4-Trichlorobenzene	15.123	180	92449	19.573	ug/l	95
94) Hexachlorobutadiene	15.226	225	42338	19.473	ug/l	97
95) Naphthalene	15.360	128	197799	18.520	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	83462	19.450	ug/l	96

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

