

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121225\
 Data File : VW032644.D
 Acq On : 12 Dec 2025 10:34
 Operator : SY/MD
 Sample : VW1212SBSD01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1212SBSD01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/14/2025
 Supervised By :Mahesh Dadoda 12/15/2025

Quant Time: Dec 13 00:06:30 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W121025S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 11 01:56:28 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.965	168	364177	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	635160	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	583673	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	289473	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	243996	43.117	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	86.240%		
35) Dibromofluoromethane	7.904	113	201612	44.897	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	89.800%		
50) Toluene-d8	10.324	98	768955	47.174	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	94.340%		
62) 4-Bromofluorobenzene	12.617	95	280255	46.829	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	93.660%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.045	85	49495	21.887	ug/l	97
3) Chloromethane	2.253	50	80974	20.298	ug/l	95
4) Vinyl Chloride	2.405	62	107268	22.534	ug/l	97
5) Bromomethane	2.820	94	67088	21.160	ug/l	96
6) Chloroethane	2.966	64	68240	22.217	ug/l	91
7) Trichlorofluoromethane	3.313	101	94053	22.568	ug/l	99
8) Diethyl Ether	3.728	74	55542	19.904	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.106	101	89443	21.433	ug/l	99
10) Methyl Iodide	4.313	142	127525	21.944	ug/l	99
11) Tert butyl alcohol	5.215	59	30985	81.928	ug/l	97
12) 1,1-Dichloroethene	4.075	96	95614	21.628	ug/l	91
13) Acrolein	3.935	56	53286	83.701	ug/l	99
14) Allyl chloride	4.703	41	169376	20.609	ug/l	99
15) Acrylonitrile	5.411	53	145133	93.068	ug/l	99
16) Acetone	4.167	43	172999	90.676	ug/l	97
17) Carbon Disulfide	4.423	76	273432	21.281	ug/l	98
18) Methyl Acetate	4.709	43	66482	17.862	ug/l	100
19) Methyl tert-butyl Ether	5.459	73	176062	20.059	ug/l	98
20) Methylene Chloride	4.953	84	123541	21.210	ug/l	98
21) trans-1,2-Dichloroethene	5.465	96	100038	20.719	ug/l	100
22) Diisopropyl ether	6.343	45	347673	20.893	ug/l	99
23) Vinyl Acetate	6.282	43	1111122	98.749	ug/l	100
24) 1,1-Dichloroethane	6.246	63	199064	20.917	ug/l	98
25) 2-Butanone	7.197	43	199016	88.776	ug/l	95
26) 2,2-Dichloropropane	7.185	77	114715	21.468	ug/l	99
27) cis-1,2-Dichloroethene	7.191	96	115772	20.536	ug/l	99
28) Bromochloromethane	7.532	49	79609	21.056	ug/l	97
29) Tetrahydrofuran	7.557	42	121153	90.019	ug/l	99
30) Chloroform	7.691	83	197143	21.001	ug/l	98
31) Cyclohexane	7.971	56	187104	21.330	ug/l	96
32) 1,1,1-Trichloroethane	7.892	97	150702	21.832	ug/l	99
36) 1,1-Dichloropropene	8.099	75	143834	21.995	ug/l	100
37) Ethyl Acetate	7.276	43	86400	19.289	ug/l	99
38) Carbon Tetrachloride	8.081	117	132525	21.910	ug/l	97
39) Methylcyclohexane	9.343	83	179296	21.802	ug/l	95
40) Benzene	8.337	78	430745	21.713	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	50338	21.026	ug/l	94
42) 1,2-Dichloroethane	8.416	62	133361	21.114	ug/l	100
43) Isopropyl Acetate	8.434	43	151735	19.101	ug/l	99
44) Trichloroethene	9.099	130	97521	21.529	ug/l	98
45) 1,2-Dichloropropane	9.373	63	109194	21.753	ug/l	99
46) Dibromomethane	9.465	93	61445	20.893	ug/l	99
47) Bromodichloromethane	9.654	83	144741	21.157	ug/l	99
48) Methyl methacrylate	9.440	41	75949	20.256	ug/l	92
49) 1,4-Dioxane	9.465	88	14732	373.391	ug/l #	99
51) 4-Methyl-2-Pentanone	10.215	43	432029	97.548	ug/l	99
52) Toluene	10.391	92	274276	22.472	ug/l	96
53) t-1,3-Dichloropropene	10.611	75	136458	20.230	ug/l	98
54) cis-1,3-Dichloropropene	10.080	75	161930	20.818	ug/l	98
55) 1,1,2-Trichloroethane	10.788	97	83262	21.100	ug/l	99
56) Ethyl methacrylate	10.647	69	109612	19.241	ug/l	97
57) 1,3-Dichloropropane	10.934	76	147935	20.872	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.928	63	248299	163.274	ug/l	100
59) 2-Hexanone	10.971	43	303458	94.604	ug/l	98
60) Dibromochloromethane	11.129	129	92613	21.071	ug/l	96
61) 1,2-Dibromoethane	11.239	107	79564	20.851	ug/l	98
64) Tetrachloroethene	10.867	164	82917	22.157	ug/l	90
65) Chlorobenzene	11.659	112	285084	21.390	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.733	131	86209	20.713	ug/l	90
67) Ethyl Benzene	11.727	91	493094	21.408	ug/l	96
68) m/p-Xylenes	11.842	106	378174	42.781	ug/l	98
69) o-Xylene	12.165	106	172761	21.191	ug/l	99
70) Styrene	12.178	104	309269	21.760	ug/l	99
71) Bromoform	12.348	173	48533	20.083	ug/l #	97
73) Isopropylbenzene	12.464	105	442180	20.083	ug/l	99
74) N-amyl acetate	12.269	43	135635	17.980	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.714	83	102263	19.293	ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	77519m	19.956	ug/l	
77) Bromobenzene	12.745	156	103711	20.527	ug/l	94
78) n-propylbenzene	12.799	91	581480	20.676	ug/l	100
79) 2-Chlorotoluene	12.891	91	340095	20.601	ug/l	98
80) 1,3,5-Trimethylbenzene	12.940	105	376050	20.335	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.507	75	32012	23.300	ug/l	95
82) 4-Chlorotoluene	12.988	91	365047	20.821	ug/l	98
83) tert-Butylbenzene	13.202	119	318322	20.206	ug/l	98
84) 1,2,4-Trimethylbenzene	13.245	105	395008	21.179	ug/l	98
85) sec-Butylbenzene	13.379	105	498125	20.651	ug/l	100
86) p-Isopropyltoluene	13.494	119	407648	20.779	ug/l	100
87) 1,3-Dichlorobenzene	13.494	146	211090	20.412	ug/l	97
88) 1,4-Dichlorobenzene	13.574	146	205934	19.998	ug/l	96
89) n-Butylbenzene	13.818	91	407897	20.694	ug/l	98
90) Hexachloroethane	14.086	117	75699	20.659	ug/l	95
91) 1,2-Dichlorobenzene	13.866	146	187225	20.058	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.482	75	16285	17.298	ug/l	96
93) 1,2,4-Trichlorobenzene	15.128	180	109895	19.822	ug/l	96
94) Hexachlorobutadiene	15.232	225	52079	19.872	ug/l	99
95) Naphthalene	15.360	128	233676	23.317	ug/l	100
96) 1,2,3-Trichlorobenzene	15.549	180	98105	18.720	ug/l	99

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

