

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082225\
 Data File : VW032110.D
 Acq On : 22 Aug 2025 14:44
 Operator : SY/MD
 Sample : VW0822SBS01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0822SBS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 08/25/2025
 Supervised By :Mahesh Dadoda 08/25/2025

Quant Time: Aug 25 03:53:19 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 12 04:04:48 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.965	168	208637	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	348689	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	334530	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	180581	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	143367	47.512	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	95.020%		
35) Dibromofluoromethane	7.898	113	121253	53.826	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	107.660%		
50) Toluene-d8	10.325	98	433575	52.038	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	104.080%		
62) 4-Bromofluorobenzene	12.617	95	158110	51.494	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	102.980%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.046	85	33257	22.287	ug/l	94
3) Chloromethane	2.253	50	38017	18.914	ug/l	98
4) Vinyl Chloride	2.405	62	48311	19.870	ug/l	93
5) Bromomethane	2.820	94	39499	21.654	ug/l	97
6) Chloroethane	2.966	64	32448	20.168	ug/l	97
7) Trichlorofluoromethane	3.295	101	44839	23.021	ug/l	94
8) Diethyl Ether	3.722	74	30944	19.391	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.106	101	46526	20.247	ug/l	97
10) Methyl Iodide	4.314	142	64091	19.671	ug/l	97
11) Tert butyl alcohol	5.222	59	18242	93.361	ug/l #	71
12) 1,1-Dichloroethene	4.076	96	48727	19.258	ug/l	97
13) Acrolein	3.929	56	17552	56.378	ug/l	96
14) Allyl chloride	4.704	41	60358	16.390	ug/l	89
15) Acrylonitrile	5.405	53	69758	91.778	ug/l	99
16) Acetone	4.161	43	74797	107.063	ug/l	93
17) Carbon Disulfide	4.423	76	112411	16.552	ug/l	97
18) Methyl Acetate	4.710	43	41951	18.976	ug/l	97
19) Methyl tert-butyl Ether	5.466	73	81024	18.174	ug/l	100
20) Methylene Chloride	4.954	84	67039	20.754	ug/l	98
21) trans-1,2-Dichloroethene	5.466	96	50701	18.882	ug/l	90
22) Diisopropyl ether	6.344	45	138697	17.866	ug/l	92
23) Vinyl Acetate	6.289	43	474733	93.139	ug/l	96
24) 1,1-Dichloroethane	6.246	63	88440	17.830	ug/l	100
25) 2-Butanone	7.197	43	97822	98.519	ug/l	99
26) 2,2-Dichloropropane	7.185	77	45617	18.332	ug/l	96
27) cis-1,2-Dichloroethene	7.191	96	60474	19.267	ug/l	95
28) Bromochloromethane	7.532	49	42593	18.870	ug/l	91
29) Tetrahydrofuran	7.551	42	60504	92.398	ug/l	97
30) Chloroform	7.697	83	102408	19.475	ug/l	98
31) Cyclohexane	7.971	56	74023	17.214	ug/l	91
32) 1,1,1-Trichloroethane	7.892	97	74890	19.607	ug/l	98
36) 1,1-Dichloropropene	8.093	75	68076	21.437	ug/l	99
37) Ethyl Acetate	7.270	43	40648	21.733	ug/l	98
38) Carbon Tetrachloride	8.087	117	69951	22.825	ug/l	94
39) Methylcyclohexane	9.343	83	78718	20.337	ug/l	99
40) Benzene	8.337	78	207275	20.998	ug/l	97

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Quant Time: Aug 25 03:53:19 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	21356	20.135	ug/l #	92
42) 1,2-Dichloroethane	8.416	62	70448	22.303	ug/l	97
43) Isopropyl Acetate	8.435	43	74687	21.704	ug/l	99
44) Trichloroethene	9.099	130	51860	22.061	ug/l	99
45) 1,2-Dichloropropane	9.374	63	48485	20.331	ug/l	95
46) Dibromomethane	9.465	93	34874	22.658	ug/l	95
47) Bromodichloromethane	9.654	83	78589	22.159	ug/l	99
48) Methyl methacrylate	9.441	41	34069	20.508	ug/l #	90
49) 1,4-Dioxane	9.459	88	8263	415.216	ug/l	93
51) 4-Methyl-2-Pentanone	10.215	43	218018	112.250	ug/l	97
52) Toluene	10.392	92	135391	21.775	ug/l	99
53) t-1,3-Dichloropropene	10.611	75	67158	20.212	ug/l	97
54) cis-1,3-Dichloropropene	10.081	75	77280	20.501	ug/l	97
55) 1,1,2-Trichloroethane	10.788	97	44957	21.981	ug/l	96
56) Ethyl methacrylate	10.648	69	55577	20.306	ug/l #	92
57) 1,3-Dichloropropane	10.934	76	75986	21.314	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.928	63	154282	101.912	ug/l	96
59) 2-Hexanone	10.971	43	154674	114.987	ug/l	94
60) Dibromochloromethane	11.129	129	54957	23.523	ug/l	96
61) 1,2-Dibromoethane	11.239	107	45265	22.774	ug/l	99
64) Tetrachloroethene	10.867	164	44995	23.286	ug/l	94
65) Chlorobenzene	11.660	112	155006	21.288	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.733	131	50613	22.278	ug/l	97
67) Ethyl Benzene	11.733	91	256610	20.805	ug/l	98
68) m/p-Xylenes	11.837	106	197918	41.586	ug/l	100
69) o-Xylene	12.166	106	92378	21.000	ug/l	96
70) Styrene	12.178	104	163009	20.863	ug/l	99
71) Bromoform	12.349	173	29724	22.873	ug/l #	95
73) Isopropylbenzene	12.465	105	233398	18.494	ug/l	99
74) N-amyl acetate	12.269	43	69046	19.070	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.714	83	58077	19.382	ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	51011m	20.813	ug/l	
77) Bromobenzene	12.745	156	61125	20.279	ug/l	89
78) n-propylbenzene	12.800	91	290994	18.729	ug/l	98
79) 2-Chlorotoluene	12.891	91	173370	18.080	ug/l	98
80) 1,3,5-Trimethylbenzene	12.940	105	204174	19.057	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.507	75	16615	17.551	ug/l	94
82) 4-Chlorotoluene	12.989	91	186347	18.291	ug/l	96
83) tert-Butylbenzene	13.202	119	167230	18.807	ug/l	98
84) 1,2,4-Trimethylbenzene	13.245	105	208113	19.081	ug/l	98
85) sec-Butylbenzene	13.379	105	252219	18.761	ug/l	99
86) p-Isopropyltoluene	13.495	119	215907	19.265	ug/l	98
87) 1,3-Dichlorobenzene	13.495	146	123252	20.550	ug/l	97
88) 1,4-Dichlorobenzene	13.574	146	122074	20.141	ug/l	97
89) n-Butylbenzene	13.818	91	199744	18.345	ug/l	98
90) Hexachloroethane	14.092	117	38361	18.716	ug/l	89
91) 1,2-Dichlorobenzene	13.867	146	110635	20.363	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.482	75	9955	18.688	ug/l	92
93) 1,2,4-Trichlorobenzene	15.129	180	68965	21.219	ug/l	94
94) Hexachlorobutadiene	15.232	225	33652	23.163	ug/l	93
95) Naphthalene	15.360	128	155063	19.471	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	63132	21.349	ug/l	94

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

