

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092325\
 Data File : VW032236.D
 Acq On : 23 Sep 2025 11:43
 Operator : SY/MD
 Sample : VW0923SBS01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0923SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 09/26/2025
 Supervised By :Semsettin Yesilyurt 09/26/2025

Quant Time: Sep 24 03:45:29 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 27 04:13:40 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	203724	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	335906	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	308901	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	159858	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.313	65	136688	46.915	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	93.840%		
35) Dibromofluoromethane	7.898	113	114466	48.571	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	97.140%		
50) Toluene-d8	10.325	98	406052	49.081	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	98.160%		
62) 4-Bromofluorobenzene	12.617	95	150425	49.170	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	98.340%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.046	85	28318	21.054	ug/l	94
3) Chloromethane	2.253	50	31958	22.661	ug/l	98
4) Vinyl Chloride	2.405	62	43363	23.674	ug/l	97
5) Bromomethane	2.820	94	37040	22.645	ug/l	96
6) Chloroethane	2.966	64	30769	23.853	ug/l	98
7) Trichlorofluoromethane	3.301	101	35814	19.734	ug/l	96
8) Diethyl Ether	3.722	74	25629	18.923	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.094	101	43617	21.334	ug/l	96
10) Methyl Iodide	4.301	142	62076	19.940	ug/l	99
11) Tert butyl alcohol	5.222	59	14867	83.423	ug/l #	87
12) 1,1-Dichloroethene	4.076	96	45423	21.096	ug/l	94
13) Acrolein	3.929	56	11295	41.231	ug/l	98
14) Allyl chloride	4.698	41	56776	18.564	ug/l	98
15) Acrylonitrile	5.399	53	61337	93.150	ug/l	98
16) Acetone	4.161	43	77896	123.452	ug/l	97
17) Carbon Disulfide	4.423	76	102490	19.032	ug/l	99
18) Methyl Acetate	4.704	43	33050	16.439	ug/l	95
19) Methyl tert-butyl Ether	5.466	73	76766	18.881	ug/l	99
20) Methylene Chloride	4.954	84	56608	19.202	ug/l	97
21) trans-1,2-Dichloroethene	5.454	96	47260	19.649	ug/l	96
22) Diisopropyl ether	6.337	45	128818	19.352	ug/l	97
23) Vinyl Acetate	6.283	43	427313	94.421	ug/l	98
24) 1,1-Dichloroethane	6.240	63	85529	19.627	ug/l	99
25) 2-Butanone	7.197	43	92628	103.596	ug/l	96
26) 2,2-Dichloropropane	7.185	77	46986	20.361	ug/l	96
27) cis-1,2-Dichloroethene	7.191	96	57386	19.607	ug/l	97
28) Bromochloromethane	7.526	49	38564	19.332	ug/l	95
29) Tetrahydrofuran	7.551	42	50839	89.476	ug/l	99
30) Chloroform	7.691	83	99291	19.957	ug/l	98
31) Cyclohexane	7.971	56	68325	19.103	ug/l	92
32) 1,1,1-Trichloroethane	7.886	97	73090	20.124	ug/l	99
36) 1,1-Dichloropropene	8.093	75	62200	20.356	ug/l	95
37) Ethyl Acetate	7.276	43	36134	19.713	ug/l	96
38) Carbon Tetrachloride	8.081	117	68490	20.909	ug/l	98
39) Methylcyclohexane	9.343	83	72344	19.989	ug/l	96
40) Benzene	8.331	78	197589	20.919	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.496	41	19357	19.007	ug/l	94
42) 1,2-Dichloroethane	8.410	62	66142	20.200	ug/l	97
43) Isopropyl Acetate	8.435	43	63707	18.526	ug/l	96
44) Trichloroethene	9.099	130	49391	20.793	ug/l	88
45) 1,2-Dichloropropane	9.374	63	47456	20.842	ug/l	98
46) Dibromomethane	9.465	93	32076	20.085	ug/l	99
47) Bromodichloromethane	9.654	83	74048	20.403	ug/l	98
48) Methyl methacrylate	9.441	41	29063	18.339	ug/l	93
49) 1,4-Dioxane	9.459	88	6732	348.886	ug/l #	84
51) 4-Methyl-2-Pentanone	10.215	43	190128	97.916	ug/l	98
52) Toluene	10.392	92	128451	20.811	ug/l	100
53) t-1,3-Dichloropropene	10.605	75	64141	20.034	ug/l	98
54) cis-1,3-Dichloropropene	10.075	75	72101	19.737	ug/l	96
55) 1,1,2-Trichloroethane	10.788	97	43219	20.811	ug/l	95
56) Ethyl methacrylate	10.648	69	49365	18.593	ug/l	98
57) 1,3-Dichloropropane	10.934	76	70399	20.245	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.928	63	139306	98.302	ug/l	100
59) 2-Hexanone	10.971	43	141593	104.850	ug/l	98
60) Dibromochloromethane	11.129	129	51725	20.584	ug/l	100
61) 1,2-Dibromoethane	11.239	107	41468	20.305	ug/l	98
64) Tetrachloroethene	10.861	164	44589	21.932	ug/l	97
65) Chlorobenzene	11.654	112	143515	20.412	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.727	131	48766	21.067	ug/l	97
67) Ethyl Benzene	11.733	91	240574	20.883	ug/l	96
68) m/p-Xylenes	11.836	106	190145	42.887	ug/l	98
69) o-Xylene	12.166	106	85270	20.333	ug/l	98
70) Styrene	12.178	104	157602	21.319	ug/l	97
71) Bromoform	12.349	173	28763	20.921	ug/l #	94
73) Isopropylbenzene	12.458	105	221366	20.383	ug/l	99
74) N-amyl acetate	12.269	43	59666	18.923	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.714	83	53486	20.723	ug/l	100
76) 1,2,3-Trichloropropane	12.763	75	38308m	19.128	ug/l	
77) Bromobenzene	12.745	156	56330	20.340	ug/l	100
78) n-propylbenzene	12.800	91	278574	21.128	ug/l	98
79) 2-Chlorotoluene	12.891	91	169939	21.077	ug/l	100
80) 1,3,5-Trimethylbenzene	12.940	105	199485	21.695	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.507	75	13982	18.798	ug/l	95
82) 4-Chlorotoluene	12.989	91	176277	20.425	ug/l	95
83) tert-Butylbenzene	13.202	119	161925	20.769	ug/l	98
84) 1,2,4-Trimethylbenzene	13.251	105	201081	21.138	ug/l	98
85) sec-Butylbenzene	13.379	105	242998	20.876	ug/l	100
86) p-Isopropyltoluene	13.495	119	207943	21.007	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	115957	20.795	ug/l	97
88) 1,4-Dichlorobenzene	13.574	146	118378	21.179	ug/l	99
89) n-Butylbenzene	13.818	91	201719	21.374	ug/l	96
90) Hexachloroethane	14.086	117	38270	21.136	ug/l	99
91) 1,2-Dichlorobenzene	13.867	146	108653	22.008	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.476	75	8686	19.050	ug/l	93
93) 1,2,4-Trichlorobenzene	15.122	180	62360	19.770	ug/l	96
94) Hexachlorobutadiene	15.226	225	31807	20.332	ug/l	89
95) Naphthalene	15.360	128	137405	19.248	ug/l	100
96) 1,2,3-Trichlorobenzene	15.549	180	60782	20.720	ug/l	99

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

