

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072325\
 Data File : VW031903.D
 Acq On : 23 Jul 2025 11:10
 Operator : SY/MD
 Sample : VW0723SBSD01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0723SBSD01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/24/2025
 Supervised By :Semsettin Yesilyurt 07/24/2025

Quant Time: Jul 24 02:49:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 23 08:18:46 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.965	168	206266	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	390321	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	348197	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	164891	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	151989	48.710	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	97.420%		
35) Dibromofluoromethane	7.904	113	129240	48.728	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	97.460%		
50) Toluene-d8	10.331	98	482855	48.102	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	96.200%		
62) 4-Bromofluorobenzene	12.617	95	185241	48.059	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	96.120%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.046	85	34634	22.592	ug/l	99
3) Chloromethane	2.259	50	41169	20.923	ug/l	97
4) Vinyl Chloride	2.405	62	54503	21.323	ug/l	95
5) Bromomethane	2.820	94	40344	21.435	ug/l	98
6) Chloroethane	2.972	64	35293	20.921	ug/l	98
7) Trichlorofluoromethane	3.308	101	60186	23.248	ug/l	97
8) Diethyl Ether	3.722	74	34157	19.752	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.106	101	51774	20.792	ug/l	99
10) Methyl Iodide	4.314	142	76673	20.594	ug/l	99
11) Tert butyl alcohol	5.228	59	20850	113.677	ug/l	98
12) 1,1-Dichloroethene	4.082	96	58002	21.089	ug/l	97
13) Acrolein	3.930	56	29951	112.413	ug/l	97
14) Allyl chloride	4.710	41	90956	21.244	ug/l	99
15) Acrylonitrile	5.405	53	82908	107.235	ug/l	99
16) Acetone	4.161	43	66308	89.554	ug/l	94
17) Carbon Disulfide	4.417	76	145093	20.341	ug/l	100
18) Methyl Acetate	4.716	43	48424	23.738	ug/l	100
19) Methyl tert-butyl Ether	5.466	73	105801	22.264	ug/l	94
20) Methylene Chloride	4.948	84	66351	17.970	ug/l	96
21) trans-1,2-Dichloroethene	5.460	96	61107	20.940	ug/l	97
22) Diisopropyl ether	6.344	45	186236	21.738	ug/l	99
23) Vinyl Acetate	6.289	43	578846	103.418	ug/l	99
24) 1,1-Dichloroethane	6.246	63	116048	21.756	ug/l	100
25) 2-Butanone	7.197	43	106276	104.905	ug/l	97
26) 2,2-Dichloropropane	7.185	77	65298	21.623	ug/l	100
27) cis-1,2-Dichloroethene	7.197	96	73768	21.503	ug/l	97
28) Bromochloromethane	7.533	49	46984	21.037	ug/l	93
29) Tetrahydrofuran	7.557	42	71044	106.962	ug/l	98
30) Chloroform	7.691	83	120887	21.615	ug/l	97
31) Cyclohexane	7.972	56	99475	20.787	ug/l	96
32) 1,1,1-Trichloroethane	7.892	97	90706	21.313	ug/l	98
36) 1,1-Dichloropropene	8.093	75	84292	20.694	ug/l	100
37) Ethyl Acetate	7.277	43	47657	20.510	ug/l	99
38) Carbon Tetrachloride	8.087	117	80243	20.527	ug/l	94
39) Methylcyclohexane	9.343	83	106498	20.776	ug/l	100
40) Benzene	8.337	78	258389	21.430	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	29012	20.858	ug/l	98
42) 1,2-Dichloroethane	8.411	62	82389	21.350	ug/l	100
43) Isopropyl Acetate	8.441	43	85814	20.401	ug/l	99
44) Trichloroethene	9.105	130	61241	21.368	ug/l	92
45) 1,2-Dichloropropane	9.380	63	61945	21.332	ug/l	96
46) Dibromomethane	9.465	93	37949	21.082	ug/l	98
47) Bromodichloromethane	9.648	83	89788	20.802	ug/l	99
48) Methyl methacrylate	9.447	41	42554	21.264	ug/l	97
49) 1,4-Dioxane	9.465	88	9165	510.258	ug/l #	87
51) 4-Methyl-2-Pentanone	10.215	43	245660	106.713	ug/l	99
52) Toluene	10.392	92	163508	21.095	ug/l	98
53) t-1,3-Dichloropropene	10.611	75	85663	20.689	ug/l	99
54) cis-1,3-Dichloropropene	10.075	75	98917	20.920	ug/l	99
55) 1,1,2-Trichloroethane	10.788	97	50801	21.246	ug/l	95
56) Ethyl methacrylate	10.648	69	70394	20.846	ug/l	99
57) 1,3-Dichloropropane	10.934	76	89150	21.164	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.929	63	180973	104.334	ug/l	99
59) 2-Hexanone	10.971	43	167500	104.677	ug/l	98
60) Dibromochloromethane	11.130	129	59424	21.316	ug/l	96
61) 1,2-Dibromoethane	11.233	107	50482	21.367	ug/l	99
64) Tetrachloroethene	10.861	164	48364	21.067	ug/l	91
65) Chlorobenzene	11.660	112	179225	21.031	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.727	131	56256	21.294	ug/l	97
67) Ethyl Benzene	11.733	91	315965	21.102	ug/l	95
68) m/p-Xylenes	11.837	106	245177	43.497	ug/l	98
69) o-Xylene	12.166	106	112154	21.025	ug/l	99
70) Styrene	12.178	104	191929	21.132	ug/l	99
71) Bromoform	12.355	173	29556	20.456	ug/l #	99
73) Isopropylbenzene	12.465	105	288973	20.198	ug/l	98
74) N-amyl acetate	12.270	43	78848	20.386	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.715	83	61965	20.404	ug/l	100
76) 1,2,3-Trichloropropane	12.769	75	47083m	20.682	ug/l	
77) Bromobenzene	12.745	156	62695	20.253	ug/l	98
78) n-propylbenzene	12.800	91	362877	20.651	ug/l	99
79) 2-Chlorotoluene	12.891	91	217672	20.748	ug/l	99
80) 1,3,5-Trimethylbenzene	12.940	105	246290	20.526	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.513	75	18386	18.646	ug/l	95
82) 4-Chlorotoluene	12.983	91	230091	20.905	ug/l	100
83) tert-Butylbenzene	13.202	119	209445	20.492	ug/l	99
84) 1,2,4-Trimethylbenzene	13.245	105	248628	20.472	ug/l	96
85) sec-Butylbenzene	13.379	105	311884	20.319	ug/l	99
86) p-Isopropyltoluene	13.495	119	253794	20.005	ug/l	100
87) 1,3-Dichlorobenzene	13.495	146	133908	20.781	ug/l	98
88) 1,4-Dichlorobenzene	13.574	146	133590	21.163	ug/l	99
89) n-Butylbenzene	13.818	91	255544	20.533	ug/l	99
90) Hexachloroethane	14.092	117	41908	19.103	ug/l	89
91) 1,2-Dichlorobenzene	13.867	146	115243	20.180	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.476	75	10706	19.513	ug/l	99
93) 1,2,4-Trichlorobenzene	15.123	180	74458	21.620	ug/l	88
94) Hexachlorobutadiene	15.226	225	31291	19.174	ug/l	95
95) Naphthalene	15.360	128	174067	20.558	ug/l	99
96) 1,2,3-Trichlorobenzene	15.543	180	65987	21.147	ug/l	93

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

