

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072325\
 Data File : VW031902.D
 Acq On : 23 Jul 2025 10:49
 Operator : SY/MD
 Sample : VW0723SBS01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0723SBS01

Manual Integrations
 APPROVED

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

Quant Time: Jul 24 02:47:58 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	7.959	168	214832	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	407809	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	374942	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	175708	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.313	65	161308	49.635	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	99.280%
35) Dibromofluoromethane	7.898	113	136252	49.169	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	98.340%
50) Toluene-d8	10.325	98	498677	47.548	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	95.100%
62) 4-Bromofluorobenzene	12.617	95	195974	48.664	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	97.320%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.046	85	33096	20.728	ug/l	93
3) Chloromethane	2.253	50	40758	19.888	ug/l	99
4) Vinyl Chloride	2.405	62	55544	20.864	ug/l	96
5) Bromomethane	2.820	94	40105	20.458	ug/l	97
6) Chloroethane	2.966	64	35660	20.296	ug/l	97
7) Trichlorofluoromethane	3.308	101	56080	20.799	ug/l	97
8) Diethyl Ether	3.722	74	35907	19.936	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.106	101	52101	20.089	ug/l	98
10) Methyl Iodide	4.301	142	78637	20.279	ug/l	99
11) Tert butyl alcohol	5.222	59	22431	117.421	ug/l	97
12) 1,1-Dichloroethene	4.076	96	59059	20.617	ug/l	95
13) Acrolein	3.930	56	32822	118.955	ug/l	92
14) Allyl chloride	4.704	41	90617	20.321	ug/l	99
15) Acrylonitrile	5.405	53	86389	107.282	ug/l	98
16) Acetone	4.161	43	72260	93.701	ug/l	99
17) Carbon Disulfide	4.423	76	148265	19.957	ug/l	98
18) Methyl Acetate	4.704	43	49288	23.198	ug/l	98
19) Methyl tert-butyl Ether	5.460	73	106303	21.477	ug/l	96
20) Methylene Chloride	4.948	84	67809	17.537	ug/l	91
21) trans-1,2-Dichloroethene	5.454	96	61722	20.308	ug/l	91
22) Diisopropyl ether	6.338	45	186539	20.905	ug/l	99
23) Vinyl Acetate	6.283	43	601759	103.225	ug/l	99
24) 1,1-Dichloroethane	6.240	63	113808	20.485	ug/l	99
25) 2-Butanone	7.191	43	110822	105.030	ug/l	99
26) 2,2-Dichloropropane	7.185	77	65609	20.860	ug/l	99
27) cis-1,2-Dichloroethene	7.191	96	73754	20.641	ug/l	99
28) Bromochloromethane	7.527	49	49151	21.130	ug/l	99
29) Tetrahydrofuran	7.551	42	75307	108.860	ug/l	99
30) Chloroform	7.691	83	121663	20.886	ug/l	98
31) Cyclohexane	7.972	56	101800	20.424	ug/l	96
32) 1,1,1-Trichloroethane	7.880	97	90776	20.479	ug/l	97
36) 1,1-Dichloropropene	8.093	75	85282	20.040	ug/l	99
37) Ethyl Acetate	7.270	43	51484	21.207	ug/l	99
38) Carbon Tetrachloride	8.087	117	80260	19.651	ug/l	97
39) Methylcyclohexane	9.343	83	108360	20.233	ug/l	97
40) Benzene	8.331	78	256266	20.342	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	27457	18.894	ug/l	93
42) 1,2-Dichloroethane	8.411	62	85166	21.124	ug/l	99
43) Isopropyl Acetate	8.435	43	88539	20.146	ug/l	99
44) Trichloroethene	9.099	130	59168	19.760	ug/l	98
45) 1,2-Dichloropropane	9.374	63	61860	20.389	ug/l	100
46) Dibromomethane	9.465	93	39561	21.035	ug/l	96
47) Bromodichloromethane	9.654	83	90117	19.983	ug/l	98
48) Methyl methacrylate	9.441	41	43751	20.925	ug/l	100
49) 1,4-Dioxane	9.465	88	8191	436.475	ug/l #	84
51) 4-Methyl-2-Pentanone	10.215	43	256062	106.462	ug/l	99
52) Toluene	10.392	92	161516	19.945	ug/l	97
53) t-1,3-Dichloropropene	10.605	75	84329	19.493	ug/l	100
54) cis-1,3-Dichloropropene	10.081	75	100009	20.244	ug/l	96
55) 1,1,2-Trichloroethane	10.788	97	50835	20.349	ug/l	94
56) Ethyl methacrylate	10.648	69	71241	20.192	ug/l	99
57) 1,3-Dichloropropane	10.934	76	93181	21.172	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.929	63	188891	104.229	ug/l	98
59) 2-Hexanone	10.971	43	177475	106.155	ug/l	98
60) Dibromochloromethane	11.130	129	57752	19.828	ug/l	100
61) 1,2-Dibromoethane	11.239	107	49800	20.174	ug/l	98
64) Tetrachloroethene	10.867	164	48486	19.614	ug/l	88
65) Chlorobenzene	11.654	112	176060	19.186	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.733	131	54564	19.180	ug/l	99
67) Ethyl Benzene	11.733	91	307016	19.042	ug/l	96
68) m/p-Xylenes	11.837	106	237104	39.064	ug/l	98
69) o-Xylene	12.166	106	112929m	19.660	ug/l	
70) Styrene	12.178	104	193616	19.797	ug/l	99
71) Bromoform	12.349	173	30876	19.845	ug/l #	98
73) Isopropylbenzene	12.459	105	291729	19.135	ug/l	100
74) N-amyl acetate	12.270	43	79549	19.301	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.715	83	64955	20.072	ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	47653m	19.643	ug/l	
77) Bromobenzene	12.745	156	65060	19.723	ug/l	94
78) n-propylbenzene	12.800	91	356515	19.040	ug/l	98
79) 2-Chlorotoluene	12.891	91	218019	19.501	ug/l	98
80) 1,3,5-Trimethylbenzene	12.940	105	240687	18.824	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.507	75	19140	18.215	ug/l	93
82) 4-Chlorotoluene	12.989	91	227495	19.397	ug/l	99
83) tert-Butylbenzene	13.202	119	216608	19.888	ug/l	97
84) 1,2,4-Trimethylbenzene	13.245	105	255236	19.722	ug/l	99
85) sec-Butylbenzene	13.379	105	317629	19.420	ug/l	99
86) p-Isopropyltoluene	13.495	119	259703	19.210	ug/l	100
87) 1,3-Dichlorobenzene	13.495	146	135030	19.665	ug/l	99
88) 1,4-Dichlorobenzene	13.574	146	132042	19.630	ug/l	98
89) n-Butylbenzene	13.818	91	252594	19.047	ug/l	99
90) Hexachloroethane	14.086	117	43220	18.488	ug/l	98
91) 1,2-Dichlorobenzene	13.861	146	117496	19.308	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.483	75	11258	19.256	ug/l	96
93) 1,2,4-Trichlorobenzene	15.129	180	68178	18.578	ug/l	97
94) Hexachlorobutadiene	15.226	225	32743	18.829	ug/l	98
95) Naphthalene	15.360	128	181214	20.085	ug/l	97
96) 1,2,3-Trichlorobenzene	15.549	180	63863	19.206	ug/l	95

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

