

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072425\
 Data File : VW031917.D
 Acq On : 24 Jul 2025 09:40
 Operator : SY/MD
 Sample : VW0724SBS01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0724SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/25/2025
 Supervised By :Semsettin Yesilyurt 07/25/2025

Quant Time: Jul 25 03:40:40 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	225185	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	411838	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	357547	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	179218	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	154263	45.285	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	90.580%		
35) Dibromofluoromethane	7.904	113	131094	46.844	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	93.680%		
50) Toluene-d8	10.325	98	483897	45.688	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	91.380%		
62) 4-Bromofluorobenzene	12.617	95	188200	46.276	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	92.560%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.046	85	33431	19.975	ug/l	94
3) Chloromethane	2.259	50	41542	19.339	ug/l	99
4) Vinyl Chloride	2.405	62	53318	19.107	ug/l	95
5) Bromomethane	2.820	94	39542	19.244	ug/l	99
6) Chloroethane	2.972	64	35368	19.204	ug/l	98
7) Trichlorofluoromethane	3.308	101	54343	19.228	ug/l	98
8) Diethyl Ether	3.722	74	36127	19.136	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.100	101	53589	19.713	ug/l	98
10) Methyl Iodide	4.314	142	79459	19.549	ug/l	99
11) Tert butyl alcohol	5.216	59	22804	113.885	ug/l	100
12) 1,1-Dichloroethene	4.082	96	58987	19.645	ug/l	94
13) Acrolein	3.930	56	27997	94.503	ug/l	97
14) Allyl chloride	4.710	41	90396	19.339	ug/l	99
15) Acrylonitrile	5.405	53	88043	104.310	ug/l	99
16) Acetone	4.167	43	80076	99.062	ug/l	98
17) Carbon Disulfide	4.417	76	146805	18.852	ug/l	99
18) Methyl Acetate	4.710	43	45635	20.491	ug/l	100
19) Methyl tert-butyl Ether	5.460	73	108126	20.841	ug/l	99
20) Methylene Chloride	4.954	84	67165	16.289	ug/l	98
21) trans-1,2-Dichloroethene	5.460	96	61378	19.266	ug/l	99
22) Diisopropyl ether	6.344	45	185555	19.839	ug/l	98
23) Vinyl Acetate	6.289	43	621652	101.734	ug/l	99
24) 1,1-Dichloroethane	6.246	63	113915	19.562	ug/l	99
25) 2-Butanone	7.191	43	116384	105.230	ug/l	91
26) 2,2-Dichloropropane	7.191	77	64424	19.541	ug/l	97
27) cis-1,2-Dichloroethene	7.191	96	73171	19.537	ug/l	98
28) Bromochloromethane	7.533	49	48867	20.042	ug/l	98
29) Tetrahydrofuran	7.551	42	76529	105.540	ug/l	99
30) Chloroform	7.691	83	119561	19.582	ug/l	96
31) Cyclohexane	7.971	56	101294	19.389	ug/l	95
32) 1,1,1-Trichloroethane	7.886	97	93275	20.075	ug/l	97
36) 1,1-Dichloropropene	8.100	75	85721	19.946	ug/l	99
37) Ethyl Acetate	7.276	43	53360	21.765	ug/l	100
38) Carbon Tetrachloride	8.081	117	81636	19.793	ug/l	94
39) Methylcyclohexane	9.343	83	105649	19.534	ug/l	96
40) Benzene	8.337	78	255343	20.071	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	30370	20.694	ug/l	96
42) 1,2-Dichloroethane	8.417	62	83228	20.441	ug/l	99
43) Isopropyl Acetate	8.435	43	92013	20.731	ug/l	99
44) Trichloroethene	9.099	130	61571	20.361	ug/l	97
45) 1,2-Dichloropropane	9.374	63	61360	20.027	ug/l	97
46) Dibromomethane	9.465	93	38782	20.419	ug/l	98
47) Bromodichloromethane	9.648	83	89523	19.657	ug/l	99
48) Methyl methacrylate	9.441	41	44943	21.284	ug/l	98
49) 1,4-Dioxane	9.471	88	8598	453.681	ug/l #	81
51) 4-Methyl-2-Pentanone	10.215	43	265549	109.326	ug/l	100
52) Toluene	10.392	92	166266	20.330	ug/l	97
53) t-1,3-Dichloropropene	10.611	75	86786	19.865	ug/l	99
54) cis-1,3-Dichloropropene	10.075	75	99056	19.855	ug/l	99
55) 1,1,2-Trichloroethane	10.794	97	52782	20.922	ug/l	98
56) Ethyl methacrylate	10.648	69	73381	20.595	ug/l	99
57) 1,3-Dichloropropane	10.934	76	92422	20.794	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.928	63	191781	104.788	ug/l	97
59) 2-Hexanone	10.971	43	183306	108.570	ug/l	100
60) Dibromochloromethane	11.129	129	60974	20.729	ug/l	96
61) 1,2-Dibromoethane	11.239	107	52569	21.088	ug/l	99
64) Tetrachloroethene	10.861	164	48336	20.504	ug/l #	79
65) Chlorobenzene	11.660	112	181318	20.720	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.733	131	55471	20.448	ug/l	98
67) Ethyl Benzene	11.733	91	315727	20.535	ug/l	100
68) m/p-Xylenes	11.843	106	241527	41.729	ug/l	97
69) o-Xylene	12.166	106	110691	20.208	ug/l	93
70) Styrene	12.178	104	193047	20.699	ug/l	99
71) Bromoform	12.349	173	30645	20.655	ug/l #	100
73) Isopropylbenzene	12.458	105	296337	19.057	ug/l	100
74) N-amyl acetate	12.269	43	83118	19.772	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.715	83	66605	20.179	ug/l	99
76) 1,2,3-Trichloropropane	12.769	75	50491m	20.406	ug/l	
77) Bromobenzene	12.745	156	64124	19.059	ug/l	98
78) n-propylbenzene	12.800	91	357896	18.740	ug/l	100
79) 2-Chlorotoluene	12.885	91	220051	19.298	ug/l	99
80) 1,3,5-Trimethylbenzene	12.940	105	248764	19.075	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.507	75	20360	18.997	ug/l	95
82) 4-Chlorotoluene	12.983	91	224863	18.797	ug/l	100
83) tert-Butylbenzene	13.202	119	208833	18.799	ug/l	100
84) 1,2,4-Trimethylbenzene	13.245	105	249523	18.903	ug/l	97
85) sec-Butylbenzene	13.379	105	311764	18.688	ug/l	98
86) p-Isopropyltoluene	13.489	119	261021	18.930	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	132004	18.848	ug/l	99
88) 1,4-Dichlorobenzene	13.574	146	131559	19.175	ug/l	99
89) n-Butylbenzene	13.818	91	249240	18.426	ug/l	98
90) Hexachloroethane	14.092	117	43260	18.143	ug/l	91
91) 1,2-Dichlorobenzene	13.867	146	118176	19.040	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.476	75	12181	20.427	ug/l	95
93) 1,2,4-Trichlorobenzene	15.123	180	73298	19.582	ug/l	88
94) Hexachlorobutadiene	15.226	225	31552	17.788	ug/l	96
95) Naphthalene	15.360	128	177658	19.305	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	66406	19.580	ug/l	90

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

