

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070925\
 Data File : VW031769.D
 Acq On : 09 Jul 2025 11:34
 Operator : SY/MD
 Sample : VW0709SBS01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0709SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/14/2025
 Supervised By :Semsettin Yesilyurt 07/14/2025

Quant Time: Jul 10 01:21:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:35:17 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.953	168	187242	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.849	114	349121	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	314319	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	151914	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	157659	58.672	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 117.340%			
35) Dibromofluoromethane	7.898	113	131409	57.682	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 115.360%			
50) Toluene-d8	10.325	98	496546	58.569	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 117.140%			
62) 4-Bromofluorobenzene	12.617	95	185749	59.537	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 119.080%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.046	85	30498	23.916	ug/l	96
3) Chloromethane	2.253	50	35978	23.402	ug/l	99
4) Vinyl Chloride	2.405	62	48700	24.101	ug/l	99
5) Bromomethane	2.820	94	36692	23.248	ug/l	95
6) Chloroethane	2.972	64	31812	23.177	ug/l	97
7) Trichlorofluoromethane	3.308	101	38200	20.816	ug/l	96
8) Diethyl Ether	3.716	74	31449	22.553	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.106	101	48613	23.866	ug/l	99
10) Methyl Iodide	4.307	142	75344	23.994	ug/l	99
11) Tert butyl alcohol	5.210	59	18323	110.064	ug/l	100
12) 1,1-Dichloroethene	4.076	96	53098	23.799	ug/l	95
13) Acrolein	3.930	56	29510	98.626	ug/l	99
14) Allyl chloride	4.704	41	82449	24.085	ug/l	98
15) Acrylonitrile	5.399	53	80530	117.436	ug/l	99
16) Acetone	4.161	43	83385	125.546	ug/l	99
17) Carbon Disulfide	4.417	76	135975	22.775	ug/l	96
18) Methyl Acetate	4.704	43	43845	23.098	ug/l	97
19) Methyl tert-butyl Ether	5.454	73	92455	24.415	ug/l	99
20) Methylene Chloride	4.948	84	97436	35.217	ug/l	97
21) trans-1,2-Dichloroethene	5.454	96	57363	24.197	ug/l	94
22) Diisopropyl ether	6.338	45	165350	24.767	ug/l	98
23) Vinyl Acetate	6.283	43	549082	120.408	ug/l	100
24) 1,1-Dichloroethane	6.240	63	104474	24.137	ug/l	98
25) 2-Butanone	7.191	43	110170	127.500	ug/l	98
26) 2,2-Dichloropropane	7.185	77	60170	23.826	ug/l	100
27) cis-1,2-Dichloroethene	7.185	96	67561	24.792	ug/l	96
28) Bromochloromethane	7.533	49	46456	24.322	ug/l	97
29) Tetrahydrofuran	7.551	42	70227	118.678	ug/l	100
30) Chloroform	7.691	83	111822	24.313	ug/l	99
31) Cyclohexane	7.971	56	91035	23.793	ug/l	95
32) 1,1,1-Trichloroethane	7.886	97	87206	24.604	ug/l	98
36) 1,1-Dichloropropene	8.093	75	76173	23.106	ug/l	99
37) Ethyl Acetate	7.270	43	46884	22.545	ug/l	100
38) Carbon Tetrachloride	8.081	117	76985	22.917	ug/l	98
39) Methylcyclohexane	9.343	83	93966	22.910	ug/l	98
40) Benzene	8.337	78	232923	23.881	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.496	41	26974	24.213	ug/l	98
42) 1,2-Dichloroethane	8.410	62	77120	23.401	ug/l	99
43) Isopropyl Acetate	8.435	43	81994	22.873	ug/l	100
44) Trichloroethene	9.105	130	55229	22.687	ug/l	99
45) 1,2-Dichloropropane	9.374	63	55481	23.536	ug/l	99
46) Dibromomethane	9.465	93	35952	23.624	ug/l	99
47) Bromodichloromethane	9.648	83	83273	23.334	ug/l	97
48) Methyl methacrylate	9.441	41	38856	22.044	ug/l	96
49) 1,4-Dioxane	9.459	88	5996	336.398	ug/l #	88
51) 4-Methyl-2-Pentanone	10.209	43	239822	116.368	ug/l	100
52) Toluene	10.392	92	150402	24.085	ug/l	95
53) t-1,3-Dichloropropene	10.605	75	78296	23.383	ug/l	100
54) cis-1,3-Dichloropropene	10.075	75	89225	23.506	ug/l	99
55) 1,1,2-Trichloroethane	10.788	97	47232	23.693	ug/l	95
56) Ethyl methacrylate	10.648	69	62538	23.123	ug/l	99
57) 1,3-Dichloropropane	10.934	76	82201	23.486	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.928	63	176870	118.765	ug/l	98
59) 2-Hexanone	10.971	43	167142	119.682	ug/l	100
60) Dibromochloromethane	11.129	129	53191	22.313	ug/l	98
61) 1,2-Dibromoethane	11.239	107	47574	23.839	ug/l	98
64) Tetrachloroethene	10.861	164	48674	23.674	ug/l	94
65) Chlorobenzene	11.654	112	164803	23.764	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.727	131	51472	23.291	ug/l	99
67) Ethyl Benzene	11.727	91	277629	23.087	ug/l	98
68) m/p-Xylenes	11.837	106	216535	46.841	ug/l	99
69) o-Xylene	12.160	106	101509	23.716	ug/l	95
70) Styrene	12.178	104	177024	23.924	ug/l	99
71) Bromoform	12.349	173	31267	23.717	ug/l #	97
73) Isopropylbenzene	12.458	105	262586	22.724	ug/l	100
74) N-amyl acetate	12.269	43	69133	22.197	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.715	83	59697	23.270	ug/l	100
76) 1,2,3-Trichloropropane	12.763	75	45869m	23.365	ug/l	
77) Bromobenzene	12.745	156	60417	23.442	ug/l	89
78) n-propylbenzene	12.800	91	330089	23.855	ug/l	99
79) 2-Chlorotoluene	12.891	91	196008	23.523	ug/l	99
80) 1,3,5-Trimethylbenzene	12.940	105	227770	23.813	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.507	75	17996	21.351	ug/l	95
82) 4-Chlorotoluene	12.983	91	203312	23.241	ug/l	99
83) tert-Butylbenzene	13.202	119	192492	23.494	ug/l	98
84) 1,2,4-Trimethylbenzene	13.245	105	226061	23.326	ug/l	99
85) sec-Butylbenzene	13.379	105	292468	23.782	ug/l	100
86) p-Isopropyltoluene	13.495	119	237925	23.475	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	124488	24.086	ug/l	97
88) 1,4-Dichlorobenzene	13.574	146	123994	23.438	ug/l	96
89) n-Butylbenzene	13.818	91	226293	22.980	ug/l	100
90) Hexachloroethane	14.086	117	42163	23.059	ug/l	97
91) 1,2-Dichlorobenzene	13.861	146	114797	24.301	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.476	75	10990	21.940	ug/l	97
93) 1,2,4-Trichlorobenzene	15.123	180	70459	24.185	ug/l	96
94) Hexachlorobutadiene	15.220	225	33007	23.462	ug/l	89
95) Naphthalene	15.360	128	158962	22.256	ug/l	100
96) 1,2,3-Trichlorobenzene	15.549	180	62603	23.386	ug/l	99

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

