

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070125\
 Data File : VW031741.D
 Acq On : 01 Jul 2025 11:28
 Operator : SY/MD
 Sample : VW0701SBS01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0701SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/03/2025
 Supervised By :Semsettin Yesilyurt 07/03/2025

Quant Time: Jul 02 04:15:42 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 02 03:49:43 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	227214	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	400487	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	366455	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	175556	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.313	65	170113	52.169	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 104.340%			
35) Dibromofluoromethane	7.898	113	135760	51.949	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 103.900%			
50) Toluene-d8	10.325	98	521798	53.654	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 107.300%			
62) 4-Bromofluorobenzene	12.617	95	192171	53.695	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 107.400%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.046	85	30109	19.458	ug/l	98
3) Chloromethane	2.253	50	37748	20.234	ug/l	99
4) Vinyl Chloride	2.399	62	50262	20.498	ug/l	96
5) Bromomethane	2.820	94	37571	19.617	ug/l	100
6) Chloroethane	2.966	64	32856	19.726	ug/l	96
7) Trichlorofluoromethane	3.301	101	38892	17.465	ug/l	96
8) Diethyl Ether	3.722	74	32292	19.083	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.100	101	49518	20.034	ug/l	100
10) Methyl Iodide	4.301	142	74739	19.614	ug/l	100
11) Tert butyl alcohol	5.204	59	19573	96.889	ug/l	99
12) 1,1-Dichloroethene	4.070	96	54683	20.198	ug/l	98
13) Acrolein	3.929	56	37550	103.419	ug/l	100
14) Allyl chloride	4.691	41	84909	20.440	ug/l	98
15) Acrylonitrile	5.399	53	82751	99.445	ug/l	98
16) Acetone	4.155	43	76575	95.010	ug/l	98
17) Carbon Disulfide	4.411	76	138884	19.170	ug/l	97
18) Methyl Acetate	4.704	43	47095	20.446	ug/l	99
19) Methyl tert-butyl Ether	5.460	73	92965	20.231	ug/l	97
20) Methylene Chloride	4.948	84	66602	17.591	ug/l	97
21) trans-1,2-Dichloroethene	5.454	96	57150	19.866	ug/l	95
22) Diisopropyl ether	6.338	45	166910	20.602	ug/l	97
23) Vinyl Acetate	6.277	43	558388	100.907	ug/l	99
24) 1,1-Dichloroethane	6.240	63	105264	20.041	ug/l	98
25) 2-Butanone	7.185	43	109196	104.141	ug/l	94
26) 2,2-Dichloropropane	7.185	77	59486	19.411	ug/l	100
27) cis-1,2-Dichloroethene	7.185	96	65852	19.914	ug/l	100
28) Bromochloromethane	7.526	49	47779	20.614	ug/l	99
29) Tetrahydrofuran	7.551	42	73488	102.341	ug/l	99
30) Chloroform	7.691	83	113024	20.251	ug/l	97
31) Cyclohexane	7.971	56	92928	20.015	ug/l	96
32) 1,1,1-Trichloroethane	7.880	97	86456	20.101	ug/l	99
36) 1,1-Dichloropropene	8.093	75	78618	20.789	ug/l	99
37) Ethyl Acetate	7.264	43	47978	20.112	ug/l	99
38) Carbon Tetrachloride	8.081	117	78239	20.303	ug/l	99
39) Methylcyclohexane	9.343	83	97819	20.790	ug/l	96
40) Benzene	8.331	78	232761	20.804	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.496	41	24266	18.989	ug/l	88
42) 1,2-Dichloroethane	8.410	62	78657	20.806	ug/l	99
43) Isopropyl Acetate	8.435	43	84647	20.585	ug/l	98
44) Trichloroethene	9.099	130	56057	20.074	ug/l	87
45) 1,2-Dichloropropane	9.374	63	55618	20.568	ug/l	100
46) Dibromomethane	9.465	93	37006	21.197	ug/l	97
47) Bromodichloromethane	9.648	83	83289	20.345	ug/l	97
48) Methyl methacrylate	9.441	41	40696	20.127	ug/l	99
49) 1,4-Dioxane	9.459	88	8214	401.729	ug/l #	84
51) 4-Methyl-2-Pentanone	10.215	43	247302	104.606	ug/l	99
52) Toluene	10.392	92	147091	20.533	ug/l	99
53) t-1,3-Dichloropropene	10.605	75	76345	19.876	ug/l	98
54) cis-1,3-Dichloropropene	10.075	75	88112	20.236	ug/l	97
55) 1,1,2-Trichloroethane	10.788	97	46168	20.189	ug/l	94
56) Ethyl methacrylate	10.648	69	63169	20.361	ug/l	100
57) 1,3-Dichloropropane	10.934	76	82976	20.667	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.928	63	179296	104.952	ug/l	98
59) 2-Hexanone	10.971	43	168047	104.897	ug/l	100
60) Dibromochloromethane	11.129	129	54618	19.973	ug/l	98
61) 1,2-Dibromoethane	11.233	107	47245	20.637	ug/l	99
64) Tetrachloroethene	10.861	164	47034	19.622	ug/l #	87
65) Chlorobenzene	11.660	112	162783	20.133	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.727	131	51891	20.140	ug/l	99
67) Ethyl Benzene	11.727	91	281264	20.061	ug/l	94
68) m/p-Xylenes	11.837	106	215368	39.960	ug/l	98
69) o-Xylene	12.166	106	100604	20.160	ug/l	97
70) Styrene	12.178	104	172888	20.041	ug/l	99
71) Bromoform	12.349	173	29177	18.983	ug/l #	96
73) Isopropylbenzene	12.458	105	259802	19.455	ug/l	100
74) N-amyl acetate	12.269	43	72708	20.201	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.714	83	58775	19.825	ug/l	100
76) 1,2,3-Trichloropropane	12.763	75	45668m	20.130	ug/l	
77) Bromobenzene	12.745	156	59863	20.099	ug/l	89
78) n-propylbenzene	12.800	91	322839	20.189	ug/l	99
79) 2-Chlorotoluene	12.891	91	194009	20.148	ug/l	100
80) 1,3,5-Trimethylbenzene	12.940	105	226677	20.507	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.507	75	17751	18.224	ug/l	90
82) 4-Chlorotoluene	12.983	91	206426	20.419	ug/l	98
83) tert-Butylbenzene	13.202	119	187506	19.803	ug/l	99
84) 1,2,4-Trimethylbenzene	13.245	105	226726	20.244	ug/l	99
85) sec-Butylbenzene	13.379	105	286771	20.178	ug/l	99
86) p-Isopropyltoluene	13.495	119	234000	19.979	ug/l	100
87) 1,3-Dichlorobenzene	13.495	146	122735	20.549	ug/l	98
88) 1,4-Dichlorobenzene	13.574	146	119004	19.466	ug/l	94
89) n-Butylbenzene	13.818	91	223864	19.672	ug/l	99
90) Hexachloroethane	14.086	117	40553	19.192	ug/l	96
91) 1,2-Dichlorobenzene	13.867	146	108311	19.840	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.476	75	11123	19.215	ug/l	96
93) 1,2,4-Trichlorobenzene	15.129	180	63405	18.832	ug/l	98
94) Hexachlorobutadiene	15.226	225	33811	20.797	ug/l	90
95) Naphthalene	15.360	128	160563	19.452	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	59460	19.220	ug/l	98

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

