

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071625\
 Data File : VW031866.D
 Acq On : 16 Jul 2025 10:22
 Operator : SY/MD
 Sample : VW0716SBS01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0716SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025
 Supervised By :Semsettin Yesilyurt 07/17/2025

Quant Time: Jul 17 03:58:29 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	7.959	168	220255	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	408210	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	372511	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	173720	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	158248	50.064	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	= 100.120%	
35) Dibromofluoromethane	7.898	113	132641	49.795	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	= 99.580%	
50) Toluene-d8	10.325	98	486272	49.055	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	= 98.100%	
62) 4-Bromofluorobenzene	12.617	95	186490	51.122	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	= 102.240%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.052	85	32761	21.840	ug/l	98
3) Chloromethane	2.259	50	42462	23.480	ug/l	94
4) Vinyl Chloride	2.405	62	54762	23.039	ug/l	96
5) Bromomethane	2.826	94	39181	21.104	ug/l	96
6) Chloroethane	2.966	64	33848	20.964	ug/l	95
7) Trichlorofluoromethane	3.308	101	39119	18.122	ug/l	97
8) Diethyl Ether	3.722	74	36846	22.463	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.100	101	47181	19.691	ug/l	99
10) Methyl Iodide	4.308	142	78660	21.295	ug/l	100
11) Tert butyl alcohol	5.228	59	19691	100.553	ug/l	97
12) 1,1-Dichloroethene	4.076	96	57837	22.038	ug/l	91
13) Acrolein	3.936	56	36802	104.561	ug/l	98
14) Allyl chloride	4.704	41	86342	21.442	ug/l	96
15) Acrylonitrile	5.405	53	83999	104.135	ug/l	99
16) Acetone	4.161	43	80615	103.183	ug/l	99
17) Carbon Disulfide	4.423	76	143506	20.434	ug/l	97
18) Methyl Acetate	4.710	43	46162	20.674	ug/l	100
19) Methyl tert-butyl Ether	5.466	73	100909	22.653	ug/l	100
20) Methylene Chloride	4.954	84	79422	22.783	ug/l	95
21) trans-1,2-Dichloroethene	5.460	96	62844	22.536	ug/l	97
22) Diisopropyl ether	6.338	45	187354	23.856	ug/l	99
23) Vinyl Acetate	6.283	43	612281	114.142	ug/l	98
24) 1,1-Dichloroethane	6.240	63	115194	22.625	ug/l	100
25) 2-Butanone	7.197	43	115176	113.315	ug/l	98
26) 2,2-Dichloropropane	7.185	77	57979	19.517	ug/l	98
27) cis-1,2-Dichloroethene	7.191	96	75769	23.637	ug/l	97
28) Bromochloromethane	7.533	49	48812	21.725	ug/l	96
29) Tetrahydrofuran	7.557	42	75005	107.754	ug/l	99
30) Chloroform	7.691	83	123775	22.878	ug/l	100
31) Cyclohexane	7.971	56	93853	20.853	ug/l	93
32) 1,1,1-Trichloroethane	7.886	97	87204	20.916	ug/l	98
36) 1,1-Dichloropropene	8.093	75	84323	21.876	ug/l	99
37) Ethyl Acetate	7.276	43	52794	21.712	ug/l	98
38) Carbon Tetrachloride	8.087	117	79229	20.171	ug/l	99
39) Methylcyclohexane	9.343	83	99461	20.739	ug/l	96
40) Benzene	8.337	78	263599	23.114	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	29759	22.846	ug/l	98
42) 1,2-Dichloroethane	8.417	62	85533	22.197	ug/l	99
43) Isopropyl Acetate	8.435	43	90065	21.488	ug/l	99
44) Trichloroethene	9.099	130	61958	21.767	ug/l	100
45) 1,2-Dichloropropane	9.374	63	61808	22.425	ug/l	98
46) Dibromomethane	9.465	93	39223	22.042	ug/l	99
47) Bromodichloromethane	9.648	83	92100	22.072	ug/l	99
48) Methyl methacrylate	9.447	41	43845	21.274	ug/l	96
49) 1,4-Dioxane	9.465	88	8304	398.447	ug/l #	85
51) 4-Methyl-2-Pentanone	10.215	43	257053	106.674	ug/l	99
52) Toluene	10.392	92	169153	23.166	ug/l	98
53) t-1,3-Dichloropropene	10.611	75	89044	22.744	ug/l	98
54) cis-1,3-Dichloropropene	10.075	75	101625	22.897	ug/l	98
55) 1,1,2-Trichloroethane	10.788	97	51348	22.029	ug/l	98
56) Ethyl methacrylate	10.648	69	71650	22.658	ug/l	99
57) 1,3-Dichloropropane	10.934	76	89794	21.942	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.928	63	186674	107.204	ug/l	97
59) 2-Hexanone	10.971	43	182209	111.585	ug/l	99
60) Dibromochloromethane	11.129	129	59854	21.473	ug/l	99
61) 1,2-Dibromoethane	11.239	107	50961	21.839	ug/l	98
64) Tetrachloroethene	10.867	164	49361	20.258	ug/l	92
65) Chlorobenzene	11.654	112	181158	22.042	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.733	131	55221	21.084	ug/l	99
67) Ethyl Benzene	11.733	91	317743	22.295	ug/l	99
68) m/p-Xylenes	11.837	106	244466	44.622	ug/l	98
69) o-Xylene	12.166	106	118440	23.349	ug/l	96
70) Styrene	12.178	104	199694	22.772	ug/l	99
71) Bromoform	12.349	173	30872	19.759	ug/l #	95
73) Isopropylbenzene	12.465	105	294756	22.306	ug/l	99
74) N-amyl acetate	12.269	43	80486	22.598	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.715	83	62978	21.467	ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	46807m	20.850	ug/l	
77) Bromobenzene	12.745	156	62368	21.162	ug/l	98
78) n-propylbenzene	12.800	91	376089	23.768	ug/l	97
79) 2-Chlorotoluene	12.885	91	224982	23.611	ug/l	97
80) 1,3,5-Trimethylbenzene	12.940	105	257562	23.547	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.513	75	19596	20.331	ug/l	95
82) 4-Chlorotoluene	12.983	91	232906	23.282	ug/l	98
83) tert-Butylbenzene	13.202	119	216004	23.054	ug/l	97
84) 1,2,4-Trimethylbenzene	13.245	105	260295	23.487	ug/l	97
85) sec-Butylbenzene	13.379	105	322151	22.907	ug/l	100
86) p-Isopropyltoluene	13.495	119	261202	22.537	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	137794	23.314	ug/l	97
88) 1,4-Dichlorobenzene	13.574	146	136115	22.500	ug/l	96
89) n-Butylbenzene	13.818	91	255616	22.699	ug/l	99
90) Hexachloroethane	14.092	117	42892	20.513	ug/l	97
91) 1,2-Dichlorobenzene	13.861	146	116980	21.654	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.483	75	11323	19.767	ug/l	95
93) 1,2,4-Trichlorobenzene	15.129	180	67719	20.326	ug/l	98
94) Hexachlorobutadiene	15.226	225	31254	19.428	ug/l	90
95) Naphthalene	15.354	128	170136	20.830	ug/l	100
96) 1,2,3-Trichlorobenzene	15.549	180	62747	20.497	ug/l	100

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

