

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071625\
 Data File : VW031867.D
 Acq On : 16 Jul 2025 10:44
 Operator : SY/MD
 Sample : VW0716SBS01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 5 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 03:59:41 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	7.965	168	214931	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	411558	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	360281	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	174902	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	161751	52.440	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 104.880%			
35) Dibromofluoromethane	7.904	113	131680	49.032	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 98.060%			
50) Toluene-d8	10.331	98	494833	49.512	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 99.020%			
62) 4-Bromofluorobenzene	12.617	95	192597	52.366	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 104.740%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.052	85	30016	20.506	ug/l	98
3) Chloromethane	2.259	50	39994	22.663	ug/l	96
4) Vinyl Chloride	2.412	62	51298	22.116	ug/l	94
5) Bromomethane	2.826	94	38170	21.068	ug/l	98
6) Chloroethane	2.978	64	34484	21.887	ug/l	100
7) Trichlorofluoromethane	3.308	101	44400	21.078	ug/l	100
8) Diethyl Ether	3.722	74	35137	21.951	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.094	101	47300	20.230	ug/l	98
10) Methyl Iodide	4.314	142	76544	21.236	ug/l	99
11) Tert butyl alcohol	5.240	59	20152	105.456	ug/l #	90
12) 1,1-Dichloroethene	4.088	96	54401	21.242	ug/l	89
13) Acrolein	3.936	56	39836	115.985	ug/l	97
14) Allyl chloride	4.710	41	85346	21.720	ug/l	94
15) Acrylonitrile	5.405	53	84017	106.737	ug/l	100
16) Acetone	4.167	43	80332	105.368	ug/l	97
17) Carbon Disulfide	4.423	76	137642	20.085	ug/l	96
18) Methyl Acetate	4.716	43	45099	20.698	ug/l	100
19) Methyl tert-butyl Ether	5.472	73	102575	23.598	ug/l	99
20) Methylene Chloride	4.960	84	73985	21.521	ug/l	93
21) trans-1,2-Dichloroethene	5.466	96	60461	22.218	ug/l	92
22) Diisopropyl ether	6.350	45	181987	23.747	ug/l	99
23) Vinyl Acetate	6.289	43	619991	118.443	ug/l	100
24) 1,1-Dichloroethane	6.252	63	111612	22.464	ug/l	97
25) 2-Butanone	7.203	43	118836	119.812	ug/l	98
26) 2,2-Dichloropropane	7.191	77	58060	20.029	ug/l	100
27) cis-1,2-Dichloroethene	7.191	96	72545	23.192	ug/l	99
28) Bromochloromethane	7.539	49	48391	22.071	ug/l	99
29) Tetrahydrofuran	7.563	42	79805	117.490	ug/l	99
30) Chloroform	7.697	83	122179	23.142	ug/l	100
31) Cyclohexane	7.972	56	91555	20.846	ug/l	97
32) 1,1,1-Trichloroethane	7.892	97	85533	21.023	ug/l	98
36) 1,1-Dichloropropene	8.100	75	82087	21.123	ug/l	99
37) Ethyl Acetate	7.277	43	53377	21.773	ug/l	99
38) Carbon Tetrachloride	8.087	117	77021	19.449	ug/l	96
39) Methylcyclohexane	9.343	83	96102	19.876	ug/l	99
40) Benzene	8.337	78	258254	22.461	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	28895	22.003	ug/l	95
42) 1,2-Dichloroethane	8.417	62	83093	21.388	ug/l	97
43) Isopropyl Acetate	8.441	43	93269	22.071	ug/l	97
44) Trichloroethene	9.105	130	60719	21.159	ug/l	96
45) 1,2-Dichloropropane	9.380	63	60548	21.789	ug/l	98
46) Dibromomethane	9.465	93	38571	21.500	ug/l	96
47) Bromodichloromethane	9.654	83	89999	21.393	ug/l	97
48) Methyl methacrylate	9.447	41	45515	21.905	ug/l	99
49) 1,4-Dioxane	9.471	88	9182	436.992	ug/l #	97
51) 4-Methyl-2-Pentanone	10.215	43	266896	109.858	ug/l	100
52) Toluene	10.392	92	163752	22.244	ug/l	96
53) t-1,3-Dichloropropene	10.611	75	86472	21.907	ug/l	98
54) cis-1,3-Dichloropropene	10.081	75	98921	22.107	ug/l	97
55) 1,1,2-Trichloroethane	10.788	97	50347	21.424	ug/l #	90
56) Ethyl methacrylate	10.648	69	73603	23.086	ug/l	99
57) 1,3-Dichloropropane	10.934	76	89808	21.767	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.928	63	191592	109.133	ug/l	97
59) 2-Hexanone	10.971	43	189252	114.955	ug/l	99
60) Dibromochloromethane	11.129	129	58650	20.870	ug/l	98
61) 1,2-Dibromoethane	11.233	107	51786	22.012	ug/l	98
64) Tetrachloroethene	10.867	164	46227	19.615	ug/l	95
65) Chlorobenzene	11.660	112	176365	22.187	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.733	131	56105	22.149	ug/l	96
67) Ethyl Benzene	11.733	91	313187	22.721	ug/l	97
68) m/p-Xylenes	11.837	106	235261	44.399	ug/l	98
69) o-Xylene	12.166	106	112783	22.988	ug/l	98
70) Styrene	12.184	104	196656	23.187	ug/l	100
71) Bromoform	12.349	173	30946	20.479	ug/l #	99
73) Isopropylbenzene	12.465	105	293824	22.085	ug/l	99
74) N-amyl acetate	12.270	43	83609	23.316	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.715	83	64383	21.798	ug/l	99
76) 1,2,3-Trichloropropane	12.769	75	51803m	22.919	ug/l	
77) Bromobenzene	12.745	156	63778	21.494	ug/l	96
78) n-propylbenzene	12.800	91	357325	22.429	ug/l	98
79) 2-Chlorotoluene	12.891	91	217449	22.667	ug/l	98
80) 1,3,5-Trimethylbenzene	12.940	105	257220	23.357	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.507	75	19851	20.456	ug/l	93
82) 4-Chlorotoluene	12.989	91	221770	22.019	ug/l	99
83) tert-Butylbenzene	13.202	119	209895	22.251	ug/l	99
84) 1,2,4-Trimethylbenzene	13.245	105	249870	22.394	ug/l	98
85) sec-Butylbenzene	13.379	105	310992	21.965	ug/l	99
86) p-Isopropyltoluene	13.495	119	257624	22.078	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	133743	22.475	ug/l	98
88) 1,4-Dichlorobenzene	13.574	146	129705	21.295	ug/l	96
89) n-Butylbenzene	13.818	91	248633	21.930	ug/l	99
90) Hexachloroethane	14.086	117	42880	20.369	ug/l	94
91) 1,2-Dichlorobenzene	13.867	146	120729	22.197	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.476	75	11603	20.119	ug/l	95
93) 1,2,4-Trichlorobenzene	15.129	180	74451	22.196	ug/l	94
94) Hexachlorobutadiene	15.232	225	31871	19.677	ug/l	92
95) Naphthalene	15.360	128	177555	21.591	ug/l	98
96) 1,2,3-Trichlorobenzene	15.549	180	63275	20.530	ug/l	98

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

