

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102025\
 Data File : VW032381.D
 Acq On : 20 Oct 2025 12:03
 Operator : SY/MD
 Sample : VW1020SBSD01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1020SBSD01

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 10/21/2025
 Supervised By :Semsettin Yesilyurt 10/21/2025

Quant Time: Oct 21 01:24:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 02 21:24:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	280654	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	507546	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	481210	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	239754	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	217533	53.141	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 106.280%			
35) Dibromofluoromethane	7.898	113	179061	54.477	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 108.960%			
50) Toluene-d8	10.325	98	661666	54.542	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 109.080%			
62) 4-Bromofluorobenzene	12.617	95	242303	52.844	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 105.680%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.046	85	38260	21.725	ug/l	90
3) Chloromethane	2.259	50	54381	20.012	ug/l	99
4) Vinyl Chloride	2.405	62	69484	21.417	ug/l	99
5) Bromomethane	2.820	94	51628	21.655	ug/l	94
6) Chloroethane	2.966	64	46314	21.623	ug/l	99
7) Trichlorofluoromethane	3.308	101	52367	21.558	ug/l	97
8) Diethyl Ether	3.722	74	45743	21.732	ug/l	89
9) 1,1,2-Trichlorotrifluo...	4.100	101	59942	20.574	ug/l	95
10) Methyl Iodide	4.301	142	94105	22.637	ug/l	98
11) Tert butyl alcohol	5.222	59	29901	96.501	ug/l	100
12) 1,1-Dichloroethene	4.082	96	68420	21.631	ug/l	95
13) Acrolein	3.936	56	35875	71.340	ug/l	97
14) Allyl chloride	4.704	41	111568	20.883	ug/l	90
15) Acrylonitrile	5.405	53	118234	107.973	ug/l	98
16) Acetone	4.161	43	129324	114.096	ug/l	100
17) Carbon Disulfide	4.423	76	186017	21.554	ug/l	98
18) Methyl Acetate	4.710	43	67884	20.907	ug/l	98
19) Methyl tert-butyl Ether	5.466	73	132675	21.297	ug/l	96
20) Methylene Chloride	4.954	84	85418	19.504	ug/l	96
21) trans-1,2-Dichloroethene	5.466	96	75118	21.451	ug/l	93
22) Diisopropyl ether	6.344	45	237926	21.414	ug/l	94
23) Vinyl Acetate	6.283	43	795696	107.218	ug/l	99
24) 1,1-Dichloroethane	6.246	63	145116	21.498	ug/l	99
25) 2-Butanone	7.197	43	163261	105.758	ug/l	97
26) 2,2-Dichloropropane	7.185	77	80056	23.186	ug/l	97
27) cis-1,2-Dichloroethene	7.191	96	89110	21.181	ug/l	93
28) Bromochloromethane	7.532	49	68220	21.481	ug/l	88
29) Tetrahydrofuran	7.551	42	101574	104.629	ug/l	97
30) Chloroform	7.697	83	154033	22.500	ug/l	98
31) Cyclohexane	7.971	56	113240	19.650	ug/l	98
32) 1,1,1-Trichloroethane	7.886	97	108696	22.406	ug/l	99
36) 1,1-Dichloropropene	8.099	75	99568	21.464	ug/l	97
37) Ethyl Acetate	7.270	43	69858	22.625	ug/l	99
38) Carbon Tetrachloride	8.087	117	97363	22.304	ug/l	99
39) Methylcyclohexane	9.343	83	108498	19.391	ug/l	91
40) Benzene	8.337	78	317626	21.845	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	35802	21.516	ug/l	92
42) 1,2-Dichloroethane	8.410	62	104797	22.027	ug/l	99
43) Isopropyl Acetate	8.441	43	119189	21.760	ug/l	99
44) Trichloroethene	9.105	130	74572	21.903	ug/l	87
45) 1,2-Dichloropropane	9.374	63	80449	22.167	ug/l	99
46) Dibromomethane	9.465	93	51190	22.938	ug/l	96
47) Bromodichloromethane	9.654	83	117508	23.021	ug/l	98
48) Methyl methacrylate	9.441	41	57356	21.537	ug/l	94
49) 1,4-Dioxane	9.471	88	13587	445.427	ug/l #	79
51) 4-Methyl-2-Pentanone	10.215	43	354720	111.810	ug/l	98
52) Toluene	10.392	92	203658	22.492	ug/l	99
53) t-1,3-Dichloropropene	10.611	75	111694	22.555	ug/l	98
54) cis-1,3-Dichloropropene	10.081	75	125815	22.056	ug/l	95
55) 1,1,2-Trichloroethane	10.788	97	67523	22.638	ug/l	95
56) Ethyl methacrylate	10.648	69	88799	21.270	ug/l	95
57) 1,3-Dichloropropane	10.934	76	116984	22.206	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.928	63	228377	102.786	ug/l	94
59) 2-Hexanone	10.971	43	256232	114.515	ug/l	98
60) Dibromochloromethane	11.129	129	80852	23.873	ug/l	99
61) 1,2-Dibromoethane	11.239	107	66335	22.808	ug/l	100
64) Tetrachloroethene	10.867	164	62577	21.732	ug/l	94
65) Chlorobenzene	11.654	112	225826	21.329	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.733	131	74057	22.457	ug/l	96
67) Ethyl Benzene	11.727	91	364394	20.647	ug/l	99
68) m/p-Xylenes	11.837	106	287294	42.215	ug/l	100
69) o-Xylene	12.166	106	131683	20.691	ug/l	97
70) Styrene	12.178	104	242035	21.782	ug/l	97
71) Bromoform	12.349	173	44334	23.454	ug/l #	100
73) Isopropylbenzene	12.458	105	324846	19.804	ug/l	100
74) N-amyl acetate	12.269	43	109272	20.882	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.714	83	88855	21.817	ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	65188m	20.661	ug/l	
77) Bromobenzene	12.745	156	84499	21.370	ug/l	90
78) n-propylbenzene	12.800	91	420117	20.504	ug/l	96
79) 2-Chlorotoluene	12.891	91	258195	20.609	ug/l	99
80) 1,3,5-Trimethylbenzene	12.940	105	292510	20.623	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.507	75	28345	22.759	ug/l	91
82) 4-Chlorotoluene	12.983	91	277521	20.836	ug/l	99
83) tert-Butylbenzene	13.202	119	232552	19.983	ug/l	96
84) 1,2,4-Trimethylbenzene	13.245	105	302270	20.959	ug/l	99
85) sec-Butylbenzene	13.379	105	358589	20.163	ug/l	98
86) p-Isopropyltoluene	13.495	119	297141	20.136	ug/l	98
87) 1,3-Dichlorobenzene	13.495	146	171969	21.478	ug/l	97
88) 1,4-Dichlorobenzene	13.574	146	168290	21.021	ug/l	98
89) n-Butylbenzene	13.818	91	291522	20.234	ug/l	98
90) Hexachloroethane	14.086	117	61557	23.273	ug/l	95
91) 1,2-Dichlorobenzene	13.867	146	154465	21.342	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.476	75	16422	23.030	ug/l	83
93) 1,2,4-Trichlorobenzene	15.129	180	87912	20.256	ug/l	94
94) Hexachlorobutadiene	15.232	225	43154	21.748	ug/l	96
95) Naphthalene	15.360	128	208869	20.040	ug/l	100
96) 1,2,3-Trichlorobenzene	15.543	180	85615	20.929	ug/l	100

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

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