

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100325\
 Data File : VW032350.D
 Acq On : 03 Oct 2025 13:44
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 10/06/2025
 Supervised By :Semsettin Yesilyurt 10/06/2025

Quant Time: Oct 04 05:03:14 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	257224	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	481786	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	455587	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	224458	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	203998	54.374	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	= 108.740%	
35) Dibromofluoromethane	7.898	113	166116	53.241	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	= 106.480%	
50) Toluene-d8	10.325	98	614194	53.336	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	= 106.680%	
62) 4-Bromofluorobenzene	12.617	95	232879	53.504	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	= 107.000%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.046	85	77572	48.058	ug/l	98
3) Chloromethane	2.253	50	116663	46.841	ug/l	100
4) Vinyl Chloride	2.405	62	150292	50.545	ug/l	97
5) Bromomethane	2.826	94	111067	50.829	ug/l	95
6) Chloroethane	2.972	64	102695	52.312	ug/l	98
7) Trichlorofluoromethane	3.308	101	119119	53.505	ug/l	98
8) Diethyl Ether	3.722	74	102572	53.169	ug/l	87
9) 1,1,2-Trichlorotrifluo...	4.106	101	133469	49.983	ug/l	94
10) Methyl Iodide	4.313	142	209781	55.060	ug/l	96
11) Tert butyl alcohol	5.222	59	70651	248.786	ug/l	96
12) 1,1-Dichloroethene	4.076	96	153008	52.780	ug/l	91
13) Acrolein	3.929	56	100928	218.984	ug/l	99
14) Allyl chloride	4.704	41	257964	52.684	ug/l	90
15) Acrylonitrile	5.405	53	273464	272.478	ug/l	99
16) Acetone	4.161	43	248479	239.189	ug/l	99
17) Carbon Disulfide	4.423	76	413405	52.265	ug/l	98
18) Methyl Acetate	4.704	43	167617	56.326	ug/l	98
19) Methyl tert-butyl Ether	5.466	73	313259	54.864	ug/l	97
20) Methylene Chloride	4.954	84	197608	58.356	ug/l	95
21) trans-1,2-Dichloroethene	5.466	96	170992	53.276	ug/l	96
22) Diisopropyl ether	6.344	45	560603	55.052	ug/l	93
23) Vinyl Acetate	6.283	43	1869846	274.908	ug/l	100
24) 1,1-Dichloroethane	6.246	63	329290	53.225	ug/l	98
25) 2-Butanone	7.191	43	376370	266.015	ug/l	99
26) 2,2-Dichloropropane	7.191	77	166957	52.758	ug/l	99
27) cis-1,2-Dichloroethene	7.191	96	204919	53.146	ug/l	94
28) Bromochloromethane	7.532	49	156454	53.750	ug/l	88
29) Tetrahydrofuran	7.551	42	245993	276.473	ug/l	95
30) Chloroform	7.691	83	335318	53.443	ug/l	99
31) Cyclohexane	7.971	56	252632	47.832	ug/l	99
32) 1,1,1-Trichloroethane	7.892	97	237096	53.326	ug/l	99
36) 1,1-Dichloropropene	8.093	75	232436	52.786	ug/l	98
37) Ethyl Acetate	7.276	43	159794	54.520	ug/l	99
38) Carbon Tetrachloride	8.087	117	211404	51.019	ug/l	96
39) Methylcyclohexane	9.343	83	272015	51.213	ug/l	98
40) Benzene	8.337	78	726175	52.613	ug/l	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	87837	55.609	ug/l	93
42) 1,2-Dichloroethane	8.410	62	241132	53.393	ug/l	100
43) Isopropyl Acetate	8.435	43	281670	54.173	ug/l	99
44) Trichloroethene	9.099	130	166091	51.393	ug/l	93
45) 1,2-Dichloropropane	9.373	63	183278	53.200	ug/l	98
46) Dibromomethane	9.465	93	109969	51.911	ug/l	97
47) Bromodichloromethane	9.654	83	257203	53.082	ug/l	94
48) Methyl methacrylate	9.441	41	139046	55.003	ug/l #	92
49) 1,4-Dioxane	9.465	88	32417	1119.559	ug/l #	83
51) 4-Methyl-2-Pentanone	10.215	43	836339	277.715	ug/l	99
52) Toluene	10.392	92	456489	53.110	ug/l	99
53) t-1,3-Dichloropropene	10.611	75	255336	54.318	ug/l	100
54) cis-1,3-Dichloropropene	10.075	75	288430	53.267	ug/l	96
55) 1,1,2-Trichloroethane	10.794	97	151389	53.469	ug/l	96
56) Ethyl methacrylate	10.648	69	221854	55.982	ug/l	94
57) 1,3-Dichloropropane	10.934	76	273020	54.597	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.928	63	614228	291.228	ug/l	95
59) 2-Hexanone	10.971	43	589171	277.391	ug/l	100
60) Dibromochloromethane	11.129	129	176740	54.975	ug/l	97
61) 1,2-Dibromoethane	11.233	107	151036	54.708	ug/l	99
64) Tetrachloroethene	10.861	164	133520	48.978	ug/l #	85
65) Chlorobenzene	11.660	112	507522	50.630	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.733	131	161077	51.592	ug/l	99
67) Ethyl Benzene	11.727	91	865246	51.784	ug/l	93
68) m/p-Xylenes	11.836	106	666537	103.450	ug/l	99
69) o-Xylene	12.166	106	317420	52.680	ug/l	99
70) Styrene	12.178	104	562781	53.496	ug/l	98
71) Bromoform	12.349	173	90422	50.526	ug/l #	97
73) Isopropylbenzene	12.464	105	778932	50.724	ug/l	99
74) N-amyl acetate	12.269	43	258509	52.769	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.714	83	192737	50.548	ug/l	98
76) 1,2,3-Trichloropropane	12.763	75	143431m	48.559	ug/l	
77) Bromobenzene	12.745	156	186863	50.480	ug/l	87
78) n-propylbenzene	12.800	91	959621	50.027	ug/l	98
79) 2-Chlorotoluene	12.891	91	594305	50.671	ug/l	97
80) 1,3,5-Trimethylbenzene	12.940	105	670624	50.504	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.513	75	61381	52.643	ug/l	94
82) 4-Chlorotoluene	12.983	91	637038	51.087	ug/l	99
83) tert-Butylbenzene	13.202	119	559925	51.392	ug/l	98
84) 1,2,4-Trimethylbenzene	13.245	105	699975	51.842	ug/l	99
85) sec-Butylbenzene	13.379	105	831078	49.916	ug/l	98
86) p-Isopropyltoluene	13.495	119	703597	50.930	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	378471	50.491	ug/l	97
88) 1,4-Dichlorobenzene	13.574	146	378471	50.496	ug/l	97
89) n-Butylbenzene	13.818	91	692643	51.350	ug/l	99
90) Hexachloroethane	14.086	117	124373	50.227	ug/l	96
91) 1,2-Dichlorobenzene	13.867	146	336017	49.590	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.476	75	33729	50.523	ug/l	88
93) 1,2,4-Trichlorobenzene	15.129	180	195456	48.105	ug/l	94
94) Hexachlorobutadiene	15.232	225	84308	45.384	ug/l	92
95) Naphthalene	15.360	128	513728	52.649	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	184412	48.153	ug/l	93

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

