

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100725\
 Data File : VW032376.D
 Acq On : 07 Oct 2025 14:57
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

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

Quant Time: Oct 08 03:20:45 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	303563	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	547656	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	512983	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	244943	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.313	65	221160	49.950	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	99.900%		
35) Dibromofluoromethane	7.898	113	178630	50.365	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	100.740%		
50) Toluene-d8	10.325	98	690090	52.719	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	105.440%		
62) 4-Bromofluorobenzene	12.617	95	260355	52.623	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	105.240%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.046	85	98281	51.594	ug/l	96
3) Chloromethane	2.253	50	129213	43.961	ug/l	97
4) Vinyl Chloride	2.405	62	170106	48.476	ug/l	98
5) Bromomethane	2.826	94	120313	46.655	ug/l	98
6) Chloroethane	2.966	64	112072	48.374	ug/l	98
7) Trichlorofluoromethane	3.301	101	119372	45.434	ug/l	97
8) Diethyl Ether	3.722	74	110285	48.441	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.100	101	151542	48.088	ug/l	94
10) Methyl Iodide	4.301	142	227602	50.618	ug/l	97
11) Tert butyl alcohol	5.216	59	67256	200.679	ug/l	98
12) 1,1-Dichloroethene	4.076	96	171120	50.017	ug/l	90
13) Acrolein	3.923	56	73490	135.112	ug/l	99
14) Allyl chloride	4.704	41	276356	47.824	ug/l	91
15) Acrylonitrile	5.399	53	267043	225.463	ug/l	97
16) Acetone	4.155	43	216130	176.291	ug/l	96
17) Carbon Disulfide	4.417	76	447326	47.920	ug/l	99
18) Methyl Acetate	4.704	43	153028	43.573	ug/l	97
19) Methyl tert-butyl Ether	5.460	73	331999	49.270	ug/l	96
20) Methylene Chloride	4.947	84	215855	53.568	ug/l	94
21) trans-1,2-Dichloroethene	5.454	96	186085	49.128	ug/l	96
22) Diisopropyl ether	6.338	45	584291	48.619	ug/l	95
23) Vinyl Acetate	6.277	43	1948665	242.762	ug/l	99
24) 1,1-Dichloroethane	6.240	63	356820	48.871	ug/l	99
25) 2-Butanone	7.191	43	343236	205.564	ug/l	98
26) 2,2-Dichloropropane	7.185	77	181532	48.607	ug/l	99
27) cis-1,2-Dichloroethene	7.185	96	226034	49.673	ug/l	96
28) Bromochloromethane	7.526	49	163354	47.554	ug/l	89
29) Tetrahydrofuran	7.551	42	233409	222.285	ug/l	95
30) Chloroform	7.691	83	369158	49.855	ug/l	99
31) Cyclohexane	7.971	56	285786	45.849	ug/l	98
32) 1,1,1-Trichloroethane	7.886	97	262906	50.105	ug/l	100
36) 1,1-Dichloropropene	8.093	75	253103	50.566	ug/l	98
37) Ethyl Acetate	7.270	43	147865	44.382	ug/l	99
38) Carbon Tetrachloride	8.081	117	241141	51.196	ug/l	99
39) Methylcyclohexane	9.337	83	312440	51.749	ug/l	94
40) Benzene	8.331	78	788190	50.238	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	91332	50.867	ug/l	88
42) 1,2-Dichloroethane	8.410	62	254031	49.484	ug/l	100
43) Isopropyl Acetate	8.435	43	279749	47.333	ug/l	99
44) Trichloroethene	9.099	130	186425	50.746	ug/l	92
45) 1,2-Dichloropropane	9.374	63	193507	49.413	ug/l	99
46) Dibromomethane	9.465	93	118532	49.223	ug/l	94
47) Bromodichloromethane	9.648	83	282698	51.327	ug/l	99
48) Methyl methacrylate	9.441	41	136033	47.339	ug/l	92
49) 1,4-Dioxane	9.459	88	30477	925.961	ug/l #	88
51) 4-Methyl-2-Pentanone	10.209	43	785256	229.390	ug/l	100
52) Toluene	10.386	92	500295	51.205	ug/l	96
53) t-1,3-Dichloropropene	10.605	75	268909	50.324	ug/l	98
54) cis-1,3-Dichloropropene	10.075	75	314831	51.150	ug/l	96
55) 1,1,2-Trichloroethane	10.788	97	158892	49.369	ug/l	98
56) Ethyl methacrylate	10.648	69	226024	50.174	ug/l	94
57) 1,3-Dichloropropane	10.934	76	281596	49.539	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.928	63	630696	263.069	ug/l	96
59) 2-Hexanone	10.965	43	539088	223.283	ug/l	99
60) Dibromochloromethane	11.129	129	182171	49.849	ug/l	95
61) 1,2-Dibromoethane	11.233	107	153764	48.997	ug/l	99
64) Tetrachloroethene	10.867	164	145660	47.453	ug/l	98
65) Chlorobenzene	11.654	112	537778	47.646	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.727	131	175951	50.050	ug/l	99
67) Ethyl Benzene	11.727	91	966272	51.360	ug/l	98
68) m/p-Xylenes	11.836	106	733991	101.173	ug/l	98
69) o-Xylene	12.166	106	351817	51.856	ug/l	99
70) Styrene	12.178	104	601725	50.798	ug/l	99
71) Bromoform	12.349	173	94228	46.762	ug/l #	99
73) Isopropylbenzene	12.458	105	892253	53.244	ug/l	100
74) N-amyl acetate	12.269	43	264041	49.390	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.714	83	191118	45.931	ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	165446m	51.328	ug/l	
77) Bromobenzene	12.745	156	201282	49.827	ug/l	89
78) n-propylbenzene	12.800	91	1086421	51.900	ug/l	96
79) 2-Chlorotoluene	12.891	91	655787	51.237	ug/l	97
80) 1,3,5-Trimethylbenzene	12.940	105	752718	51.946	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.507	75	63709	50.070	ug/l	89
82) 4-Chlorotoluene	12.983	91	685288	50.360	ug/l	100
83) tert-Butylbenzene	13.202	119	625078	52.574	ug/l	97
84) 1,2,4-Trimethylbenzene	13.245	105	754395	51.200	ug/l	99
85) sec-Butylbenzene	13.379	105	941222	51.803	ug/l	99
86) p-Isopropyltoluene	13.495	119	792932	52.596	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	404922	49.502	ug/l	98
88) 1,4-Dichlorobenzene	13.574	146	387551	47.383	ug/l	99
89) n-Butylbenzene	13.818	91	786064	53.403	ug/l	98
90) Hexachloroethane	14.086	117	137220	50.780	ug/l	94
91) 1,2-Dichlorobenzene	13.867	146	362598	49.038	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	14.476	75	32972	45.259	ug/l	92
93) 1,2,4-Trichlorobenzene	15.129	180	223189	50.337	ug/l	95
94) Hexachlorobutadiene	15.226	225	99798	49.230	ug/l	96
95) Naphthalene	15.360	128	547435	51.412	ug/l	100
96) 1,2,3-Trichlorobenzene	15.549	180	199664	47.776	ug/l	96

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

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