

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092325\
 Data File : VW032234.D
 Acq On : 23 Sep 2025 10:11
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 09/26/2025
 Supervised By :Semsettin Yesilyurt 09/26/2025

Quant Time: Sep 24 03:44:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 27 04:13:40 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	189946	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	317941	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	297932	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	157560	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.319	65	137290	50.540	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	= 101.080%	
35) Dibromofluoromethane	7.898	113	110935	49.732	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	= 99.460%	
50) Toluene-d8	10.324	98	400871	51.192	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	= 102.380%	
62) 4-Bromofluorobenzene	12.617	95	145980	50.414	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	= 100.820%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.045	85	58679	46.791	ug/l	95
3) Chloromethane	2.253	50	67415	51.271	ug/l	96
4) Vinyl Chloride	2.405	62	97574	57.134	ug/l	99
5) Bromomethane	2.820	94	78614	51.548	ug/l	98
6) Chloroethane	2.966	64	68085	56.610	ug/l	99
7) Trichlorofluoromethane	3.301	101	87126	51.489	ug/l	98
8) Diethyl Ether	3.716	74	69512	55.047	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.100	101	108591	56.967	ug/l	98
10) Methyl Iodide	4.313	142	134715	46.413	ug/l	98
11) Tert butyl alcohol	5.210	59	39881	240.016	ug/l	96
12) 1,1-Dichloroethene	4.069	96	114750	57.161	ug/l	96
13) Acrolein	3.929	56	10638	41.650	ug/l	89
14) Allyl chloride	4.697	41	144906	50.817	ug/l	99
15) Acrylonitrile	5.399	53	157982	257.324	ug/l	99
16) Acetone	4.155	43	184287	313.248	ug/l	99
17) Carbon Disulfide	4.417	76	232479	46.302	ug/l	99
18) Methyl Acetate	4.704	43	110882	59.154	ug/l	97
19) Methyl tert-butyl Ether	5.466	73	194176	51.222	ug/l	98
20) Methylene Chloride	4.947	84	117073	48.464	ug/l	98
21) trans-1,2-Dichloroethene	5.453	96	113933	50.804	ug/l	90
22) Diisopropyl ether	6.337	45	328279	52.895	ug/l	99
23) Vinyl Acetate	6.282	43	1067162	252.909	ug/l	99
24) 1,1-Dichloroethane	6.240	63	205403	50.554	ug/l	99
25) 2-Butanone	7.191	43	220079	263.993	ug/l	98
26) 2,2-Dichloropropane	7.185	77	116558	54.172	ug/l	99
27) cis-1,2-Dichloroethene	7.191	96	136735	50.106	ug/l	98
28) Bromochloromethane	7.532	49	92468	49.716	ug/l	97
29) Tetrahydrofuran	7.551	42	136456	257.582	ug/l	99
30) Chloroform	7.691	83	240745	51.897	ug/l	99
31) Cyclohexane	7.965	56	160170	48.029	ug/l	95
32) 1,1,1-Trichloroethane	7.886	97	175304	51.768	ug/l	99
36) 1,1-Dichloropropene	8.093	75	151140	52.258	ug/l	99
37) Ethyl Acetate	7.276	43	87511	50.438	ug/l	98
38) Carbon Tetrachloride	8.081	117	165116	53.255	ug/l	97
39) Methylcyclohexane	9.343	83	177225	51.734	ug/l	96
40) Benzene	8.331	78	462322	51.713	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.496	41	51799	53.737	ug/l	94
42) 1,2-Dichloroethane	8.410	62	161958	52.257	ug/l	100
43) Isopropyl Acetate	8.435	43	172453	52.982	ug/l	99
44) Trichloroethene	9.099	130	116822	51.961	ug/l	92
45) 1,2-Dichloropropane	9.373	63	114594	53.172	ug/l	97
46) Dibromomethane	9.465	93	77517	51.281	ug/l	95
47) Bromodichloromethane	9.654	83	185683	54.055	ug/l	99
48) Methyl methacrylate	9.440	41	79495	52.996	ug/l	96
49) 1,4-Dioxane	9.459	88	19959	1092.823	ug/l #	94
51) 4-Methyl-2-Pentanone	10.215	43	500564	272.358	ug/l	99
52) Toluene	10.392	92	304923	52.193	ug/l	100
53) t-1,3-Dichloropropene	10.605	75	162715	53.695	ug/l	98
54) cis-1,3-Dichloropropene	10.075	75	187950	54.357	ug/l	98
55) 1,1,2-Trichloroethane	10.788	97	101329	51.550	ug/l	97
56) Ethyl methacrylate	10.648	69	135581	53.952	ug/l	98
57) 1,3-Dichloropropane	10.934	76	172029	52.267	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.928	63	378192	281.953	ug/l	100
59) 2-Hexanone	10.971	43	362059	283.256	ug/l	98
60) Dibromochloromethane	11.129	129	124901	52.512	ug/l	98
61) 1,2-Dibromoethane	11.239	107	99449	51.448	ug/l	100
64) Tetrachloroethene	10.861	164	97621	49.784	ug/l	90
65) Chlorobenzene	11.653	112	347645	51.265	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.727	131	118593	53.118	ug/l	95
67) Ethyl Benzene	11.727	91	579420	52.149	ug/l	99
68) m/p-Xylenes	11.836	106	460603	107.715	ug/l	100
69) o-Xylene	12.166	106	214032	52.916	ug/l	98
70) Styrene	12.178	104	378151	53.036	ug/l	99
71) Bromoform	12.342	173	67283	50.741	ug/l #	98
73) Isopropylbenzene	12.458	105	554887	51.839	ug/l	100
74) N-amyl acetate	12.269	43	157249	50.599	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.714	83	127768	50.226	ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	92438m	46.830	ug/l	
77) Bromobenzene	12.745	156	133417	48.877	ug/l	98
78) n-propylbenzene	12.800	91	698290	53.733	ug/l	96
79) 2-Chlorotoluene	12.891	91	403446	50.768	ug/l	98
80) 1,3,5-Trimethylbenzene	12.940	105	480240	52.991	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.507	75	37944	51.757	ug/l	97
82) 4-Chlorotoluene	12.983	91	425874	50.065	ug/l	99
83) tert-Butylbenzene	13.202	119	416789	54.240	ug/l	99
84) 1,2,4-Trimethylbenzene	13.245	105	472709	50.416	ug/l	100
85) sec-Butylbenzene	13.379	105	589529	51.385	ug/l	100
86) p-Isopropyltoluene	13.495	119	506921	51.956	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	269361	49.010	ug/l	97
88) 1,4-Dichlorobenzene	13.574	146	255862	46.445	ug/l	99
89) n-Butylbenzene	13.818	91	491706	52.861	ug/l	98
90) Hexachloroethane	14.086	117	93430	52.353	ug/l	98
91) 1,2-Dichlorobenzene	13.867	146	238659	49.046	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.476	75	22401	49.846	ug/l	92
93) 1,2,4-Trichlorobenzene	15.122	180	149078	47.952	ug/l	99
94) Hexachlorobutadiene	15.232	225	69292	44.940	ug/l	95
95) Naphthalene	15.360	128	360154	51.187	ug/l	100
96) 1,2,3-Trichlorobenzene	15.549	180	129746	44.875	ug/l	95

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

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