

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW073025\
 Data File : VW031955.D
 Acq On : 30 Jul 2025 10:30
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/31/2025
 Supervised By :Semsettin Yesilyurt 07/31/2025

Quant Time: Jul 31 02:28:19 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 23 08:18:46 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	233220	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	421345	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	381695	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	172879	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.313	65	162766	46.135	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	92.280%
35) Dibromofluoromethane	7.898	113	138203	48.270	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	96.540%
50) Toluene-d8	10.325	98	524665	48.419	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	96.840%
62) 4-Bromofluorobenzene	12.617	95	198831	47.787	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	95.580%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.046	85	85464	49.306	ug/l	97
3) Chloromethane	2.253	50	108190	48.630	ug/l	96
4) Vinyl Chloride	2.405	62	145978	50.511	ug/l	99
5) Bromomethane	2.820	94	101656	47.768	ug/l	99
6) Chloroethane	2.966	64	92921	48.716	ug/l	99
7) Trichlorofluoromethane	3.301	101	119536	40.837	ug/l	97
8) Diethyl Ether	3.722	74	91067	46.574	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.100	101	140986	50.075	ug/l	99
10) Methyl Iodide	4.313	142	202058	47.999	ug/l	99
11) Tert butyl alcohol	5.222	59	52198	251.700	ug/l	99
12) 1,1-Dichloroethene	4.076	96	153487	49.356	ug/l	93
13) Acrolein	3.929	56	25474	81.658	ug/l	98
14) Allyl chloride	4.697	41	230895	47.695	ug/l	99
15) Acrylonitrile	5.405	53	219937	251.595	ug/l	99
16) Acetone	4.161	43	209515	250.261	ug/l	100
17) Carbon Disulfide	4.423	76	415628	51.534	ug/l	99
18) Methyl Acetate	4.710	43	118655	51.444	ug/l	99
19) Methyl tert-butyl Ether	5.460	73	268574	49.984	ug/l	99
20) Methylene Chloride	4.954	84	160963	44.437	ug/l	99
21) trans-1,2-Dichloroethene	5.460	96	163392	49.520	ug/l	94
22) Diisopropyl ether	6.337	45	468183	48.332	ug/l	99
23) Vinyl Acetate	6.283	43	1595232	252.068	ug/l	99
24) 1,1-Dichloroethane	6.240	63	297289	49.292	ug/l	99
25) 2-Butanone	7.191	43	298748	260.812	ug/l	96
26) 2,2-Dichloropropane	7.185	77	159296	46.653	ug/l	98
27) cis-1,2-Dichloroethene	7.185	96	189288	48.798	ug/l	97
28) Bromochloromethane	7.526	49	110553	43.780	ug/l	96
29) Tetrahydrofuran	7.551	42	191684	255.241	ug/l	99
30) Chloroform	7.691	83	313195	49.527	ug/l	97
31) Cyclohexane	7.971	56	263457	48.691	ug/l	95
32) 1,1,1-Trichloroethane	7.886	97	232325	48.280	ug/l	98
36) 1,1-Dichloropropene	8.093	75	224257	51.003	ug/l	99
37) Ethyl Acetate	7.270	43	128520	51.239	ug/l	99
38) Carbon Tetrachloride	8.081	117	219936	52.120	ug/l	99
39) Methylcyclohexane	9.343	83	287290	51.920	ug/l	97
40) Benzene	8.337	78	671668	51.604	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.496	41	74141	49.379	ug/l	94
42) 1,2-Dichloroethane	8.410	62	209010	50.175	ug/l	99
43) Isopropyl Acetate	8.435	43	235630	51.892	ug/l	100
44) Trichloroethene	9.099	130	161427	52.178	ug/l	97
45) 1,2-Dichloropropane	9.373	63	158405	50.534	ug/l	97
46) Dibromomethane	9.465	93	99889	51.406	ug/l	98
47) Bromodichloromethane	9.648	83	237367	50.943	ug/l	98
48) Methyl methacrylate	9.441	41	122567	56.736	ug/l	94
49) 1,4-Dioxane	9.465	88	21683	1118.307	ug/l #	77
51) 4-Methyl-2-Pentanone	10.215	43	658638	265.042	ug/l	100
52) Toluene	10.392	92	435252	52.020	ug/l	100
53) t-1,3-Dichloropropene	10.605	75	231665	51.831	ug/l	97
54) cis-1,3-Dichloropropene	10.075	75	263238	51.572	ug/l	97
55) 1,1,2-Trichloroethane	10.788	97	130821	50.684	ug/l	90
56) Ethyl methacrylate	10.648	69	194311	53.304	ug/l	99
57) 1,3-Dichloropropane	10.934	76	233888	51.436	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.928	63	443125	236.659	ug/l	98
59) 2-Hexanone	10.971	43	464100	268.679	ug/l	99
60) Dibromochloromethane	11.129	129	159602	53.035	ug/l	100
61) 1,2-Dibromoethane	11.233	107	130759	51.269	ug/l	99
64) Tetrachloroethene	10.867	164	125385	49.824	ug/l	98
65) Chlorobenzene	11.660	112	459326	49.169	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.727	131	142968	49.366	ug/l	100
67) Ethyl Benzene	11.727	91	819668	49.939	ug/l	96
68) m/p-Xylenes	11.836	106	623830	100.960	ug/l	99
69) o-Xylene	12.166	106	294481	50.359	ug/l	100
70) Styrene	12.178	104	514841	51.711	ug/l	99
71) Bromoform	12.349	173	82482	52.076	ug/l #	98
73) Isopropylbenzene	12.464	105	760788	50.719	ug/l	98
74) N-amyl acetate	12.269	43	214991	53.016	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.714	83	166344	52.245	ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	124298m	52.076	ug/l	
77) Bromobenzene	12.745	156	166289	51.236	ug/l	96
78) n-propylbenzene	12.800	91	923938	50.152	ug/l	100
79) 2-Chlorotoluene	12.885	91	556979	50.636	ug/l	98
80) 1,3,5-Trimethylbenzene	12.940	105	640431	50.907	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.507	75	54271	52.494	ug/l	97
82) 4-Chlorotoluene	12.983	91	576580	49.966	ug/l	100
83) tert-Butylbenzene	13.202	119	538824	50.282	ug/l	99
84) 1,2,4-Trimethylbenzene	13.245	105	626128	49.172	ug/l	97
85) sec-Butylbenzene	13.379	105	807497	50.178	ug/l	99
86) p-Isopropyltoluene	13.495	119	678003	50.972	ug/l	98
87) 1,3-Dichlorobenzene	13.495	146	332271	49.183	ug/l	99
88) 1,4-Dichlorobenzene	13.574	146	319509	48.278	ug/l	97
89) n-Butylbenzene	13.818	91	650676	49.866	ug/l	98
90) Hexachloroethane	14.086	117	116865	50.810	ug/l	94
91) 1,2-Dichlorobenzene	13.867	146	296613	49.540	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.482	75	29896	51.972	ug/l	99
93) 1,2,4-Trichlorobenzene	15.122	180	181515	50.270	ug/l	95
94) Hexachlorobutadiene	15.226	225	81924	47.881	ug/l	96
95) Naphthalene	15.360	128	472218	53.194	ug/l	98
96) 1,2,3-Trichlorobenzene	15.549	180	163083	49.849	ug/l	96

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

