

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062725\
 Data File : VY022852.D
 Acq On : 27 Jun 2025 11:00
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 06/30/2025
 Supervised By :Semsettin Yesilyurt 06/30/2025

Quant Time: Jun 27 23:13:26 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	460120	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	754723	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	647658	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	319930	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.067	65	247498	48.194	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.380%
35) Dibromofluoromethane	7.640	113	231653	50.471	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.940%
50) Toluene-d8	10.109	98	947623	52.029	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	104.060%
62) 4-Bromofluorobenzene	12.408	95	300791	51.374	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	102.740%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.867	85	196762	50.009	ug/l	97
3) Chloromethane	2.068	50	394293	52.481	ug/l	98
4) Vinyl Chloride	2.208	62	453259	48.289	ug/l	100
5) Bromomethane	2.605	94	389074	52.726	ug/l	97
6) Chloroethane	2.739	64	314352	49.823	ug/l	96
7) Trichlorofluoromethane	3.062	101	490750	47.218	ug/l	98
8) Diethyl Ether	3.458	74	136633	53.227	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.824	101	247952	52.204	ug/l	98
10) Methyl Iodide	4.013	142	291332	56.336	ug/l	99
11) Tert butyl alcohol	4.897	59	70006	205.015	ug/l #	73
12) 1,1-Dichloroethene	3.800	96	246031	52.827	ug/l	97
13) Acrolein	3.659	56	105336	227.491	ug/l	100
14) Allyl chloride	4.391	41	381542	53.262	ug/l	95
15) Acrylonitrile	5.068	53	261236	243.913	ug/l	99
16) Acetone	3.885	43	278488	286.914	ug/l	99
17) Carbon Disulfide	4.110	76	775055	51.514	ug/l	100
18) Methyl Acetate	4.391	43	138152	42.979	ug/l	97
19) Methyl tert-butyl Ether	5.129	73	651700	51.391	ug/l	98
20) Methylene Chloride	4.623	84	303171	49.459	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	279841	52.574	ug/l	97
22) Diisopropyl ether	6.025	45	843003	52.990	ug/l	98
23) Vinyl Acetate	5.970	43	2334095	265.656	ug/l	99
24) 1,1-Dichloroethane	5.921	63	514011	53.491	ug/l	100
25) 2-Butanone	6.903	43	358160	253.532	ug/l	100
26) 2,2-Dichloropropane	6.890	77	459223	57.011	ug/l	99
27) cis-1,2-Dichloroethene	6.903	96	325131	52.567	ug/l	98
28) Bromochloromethane	7.250	49	193428	47.880	ug/l	93
29) Tetrahydrofuran	7.274	42	213043	238.830	ug/l	99
30) Chloroform	7.427	83	512389	51.771	ug/l	94
31) Cyclohexane	7.707	56	455431	51.632	ug/l	100
32) 1,1,1-Trichloroethane	7.622	97	455003	53.199	ug/l	99
36) 1,1-Dichloropropene	7.841	75	381589	54.849	ug/l	99
37) Ethyl Acetate	6.988	43	146653	48.850	ug/l #	98
38) Carbon Tetrachloride	7.823	117	401168	54.650	ug/l	98
39) Methylcyclohexane	9.116	83	506252	56.230	ug/l	100
40) Benzene	8.085	78	1160931	54.275	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	85657	46.347	ug/l	97
42) 1,2-Dichloroethane	8.165	62	307091	52.392	ug/l	99
43) Isopropyl Acetate	8.207	43	314275	50.368	ug/l	97
44) Trichloroethene	8.872	130	287473	53.529	ug/l	100
45) 1,2-Dichloropropane	9.146	63	268195	53.573	ug/l	95
46) Dibromomethane	9.238	93	147595	51.936	ug/l	97
47) Bromodichloromethane	9.427	83	392353	53.540	ug/l	99
48) Methyl methacrylate	9.225	41	155339	51.787	ug/l	93
49) 1,4-Dioxane	9.244	88	28555	850.470	ug/l	99
51) 4-Methyl-2-Pentanone	10.000	43	799838	252.254	ug/l	94
52) Toluene	10.176	92	747939	55.426	ug/l	98
53) t-1,3-Dichloropropene	10.396	75	356934	54.134	ug/l	97
54) cis-1,3-Dichloropropene	9.859	75	418765	54.776	ug/l	96
55) 1,1,2-Trichloroethane	10.579	97	189791	51.575	ug/l	97
56) Ethyl methacrylate	10.445	69	263457	53.214	ug/l	95
57) 1,3-Dichloropropane	10.719	76	331625	51.652	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	602327	232.634	ug/l	98
59) 2-Hexanone	10.762	43	570461	264.626	ug/l	97
60) Dibromochloromethane	10.914	129	249840	52.562	ug/l	100
61) 1,2-Dibromoethane	11.018	107	176170	51.159	ug/l	98
64) Tetrachloroethene	10.652	164	320739	52.422	ug/l	99
65) Chlorobenzene	11.444	112	784258	55.109	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.518	131	261622	54.277	ug/l	99
67) Ethyl Benzene	11.524	91	1433953	57.349	ug/l	98
68) m/p-Xylenes	11.633	106	1106722	114.501	ug/l	100
69) o-Xylene	11.957	106	521002	57.206	ug/l	99
70) Styrene	11.975	104	867264	56.850	ug/l	99
71) Bromoform	12.133	173	136375	50.812	ug/l #	98
73) Isopropylbenzene	12.255	105	1353825	57.218	ug/l	98
74) N-amyl acetate	12.072	43	289318	54.475	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.511	83	198918	52.163	ug/l	98
76) 1,2,3-Trichloropropane	12.560	75	169296m	51.833	ug/l	
77) Bromobenzene	12.536	156	291644	54.380	ug/l	99
78) n-propylbenzene	12.597	91	1647162	57.659	ug/l	99
79) 2-Chlorotoluene	12.682	91	915158	56.701	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	1100569	57.619	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	70688	54.677	ug/l	98
82) 4-Chlorotoluene	12.780	91	937032	55.271	ug/l	99
83) tert-Butylbenzene	12.999	119	972388	57.725	ug/l	98
84) 1,2,4-Trimethylbenzene	13.048	105	1096265	57.326	ug/l	99
85) sec-Butylbenzene	13.176	105	1470667	58.026	ug/l	99
86) p-Isopropyltoluene	13.292	119	1225077	58.084	ug/l	100
87) 1,3-Dichlorobenzene	13.292	146	595697	55.305	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	582146	54.410	ug/l	100
89) n-Butylbenzene	13.621	91	1152458	58.089	ug/l	98
90) Hexachloroethane	13.883	117	232705	55.395	ug/l	96
91) 1,2-Dichlorobenzene	13.664	146	508692	53.591	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	31568	48.816	ug/l	96
93) 1,2,4-Trichlorobenzene	14.919	180	277456	51.771	ug/l	97
94) Hexachlorobutadiene	15.029	225	155100	51.179	ug/l	98
95) Naphthalene	15.145	128	486957	50.246	ug/l	100
96) 1,2,3-Trichlorobenzene	15.334	180	229649	49.589	ug/l	100

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

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