

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060525\
 Data File : VY022585.D
 Acq On : 05 Jun 2025 19:51
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

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

Quant Time: Jun 06 01:29:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 03:22:04 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.701	168	157062	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.609	114	277947	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	244124	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	121678	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	97271	55.373	ug/l	-0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.740%			
35) Dibromofluoromethane	7.628	113	86109	51.904	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.800%			
50) Toluene-d8	10.103	98	342282	51.061	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.120%			
62) 4-Bromofluorobenzene	12.402	95	102406	51.272	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 102.540%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.861	85	70024	49.798	ug/l	98
3) Chloromethane	2.062	50	221973	53.434	ug/l	98
4) Vinyl Chloride	2.196	62	327010	67.856	ug/l	98
5) Bromomethane	2.586	94	249044	53.917	ug/l	99
6) Chloroethane	2.726	64	229298	69.321	ug/l	98
7) Trichlorofluoromethane	3.043	101	303863	74.273	ug/l	97
8) Diethyl Ether	3.446	74	48218	52.334	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.805	101	85675	49.722	ug/l	99
10) Methyl Iodide	3.994	142	90581	48.577	ug/l	100
11) Tert butyl alcohol	4.860	59	36046	287.297	ug/l #	91
12) 1,1-Dichloroethene	3.781	96	83424	50.650	ug/l	99
13) Acrolein	3.647	56	31474	201.289	ug/l	93
14) Allyl chloride	4.372	41	126347	48.865	ug/l	99
15) Acrylonitrile	5.049	53	105873	271.328	ug/l	99
16) Acetone	3.866	43	82630	231.618	ug/l	98
17) Carbon Disulfide	4.098	76	266046	50.453	ug/l	98
18) Methyl Acetate	4.379	43	70162	66.414	ug/l	98
19) Methyl tert-butyl Ether	5.104	73	246046	53.038	ug/l	100
20) Methylene Chloride	4.604	84	104328	51.483	ug/l	99
21) trans-1,2-Dichloroethene	5.104	96	93951	50.967	ug/l	98
22) Diisopropyl ether	6.012	45	301493	52.384	ug/l	98
23) Vinyl Acetate	5.951	43	842247	247.249	ug/l	100
24) 1,1-Dichloroethane	5.903	63	179104	52.824	ug/l	100
25) 2-Butanone	6.890	43	135066	262.472	ug/l	98
26) 2,2-Dichloropropane	6.878	77	126127	42.101	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	113013	53.041	ug/l	99
28) Bromochloromethane	7.238	49	84225	56.986	ug/l	100
29) Tetrahydrofuran	7.256	42	91287	275.047	ug/l	99
30) Chloroform	7.415	83	183003	54.492	ug/l	97
31) Cyclohexane	7.695	56	154809	45.862	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	153595	51.520	ug/l	99
36) 1,1-Dichloropropene	7.829	75	131788	48.945	ug/l	99
37) Ethyl Acetate	6.976	43	62273	51.861	ug/l	100
38) Carbon Tetrachloride	7.811	117	133064	48.173	ug/l	99
39) Methylcyclohexane	9.103	83	167195	46.207	ug/l	99
40) Benzene	8.073	78	408205	51.329	ug/l	99

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41) Methacrylonitrile	7.213	41	35700m	50.900	ug/l	
42) 1,2-Dichloroethane	8.152	62	113904	52.455	ug/l	99
43) Isopropyl Acetate	8.195	43	132292	51.013	ug/l	98
44) Trichloroethene	8.859	130	99856	51.374	ug/l	95
45) 1,2-Dichloropropane	9.140	63	96697	51.448	ug/l	99
46) Dibromomethane	9.225	93	56691	53.614	ug/l	97
47) Bromodichloromethane	9.420	83	141815	52.893	ug/l	97
48) Methyl methacrylate	9.219	41	61542	50.564	ug/l	97
49) 1,4-Dioxane	9.225	88	13906	1110.094	ug/l	97
51) 4-Methyl-2-Pentanone	9.993	43	349557	270.358	ug/l	99
52) Toluene	10.164	92	254883	51.000	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	125050	49.778	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	146445	50.079	ug/l	97
55) 1,1,2-Trichloroethane	10.566	97	71539	53.059	ug/l	95
56) Ethyl methacrylate	10.438	69	101898	52.289	ug/l	99
57) 1,3-Dichloropropane	10.713	76	126675	53.008	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	257277	290.785	ug/l	99
59) 2-Hexanone	10.755	43	228788	264.584	ug/l	99
60) Dibromochloromethane	10.908	129	88290	51.528	ug/l	100
61) 1,2-Dibromoethane	11.012	107	63773	51.894	ug/l	99
64) Tetrachloroethene	10.640	164	113908	54.242	ug/l	96
65) Chlorobenzene	11.438	112	267544	49.525	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.511	131	92665	50.919	ug/l	98
67) Ethyl Benzene	11.518	91	489974	48.901	ug/l	98
68) m/p-Xylenes	11.627	106	370502	97.541	ug/l	99
69) o-Xylene	11.950	106	178674	50.171	ug/l	100
70) Styrene	11.963	104	301155	51.158	ug/l	99
71) Bromoform	12.127	173	48161	49.731	ug/l #	99
73) Isopropylbenzene	12.249	105	452074	45.254	ug/l	99
74) N-amyl acetate	12.066	43	116158	46.083	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.499	83	73882	45.062	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	73182m	52.572	ug/l	
77) Bromobenzene	12.530	156	97515	46.258	ug/l	98
78) n-propylbenzene	12.590	91	552332	45.268	ug/l	100
79) 2-Chlorotoluene	12.676	91	295230	45.653	ug/l	98
80) 1,3,5-Trimethylbenzene	12.731	105	362108	46.170	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.298	75	23848	41.372	ug/l	99
82) 4-Chlorotoluene	12.773	91	304338	45.620	ug/l	97
83) tert-Butylbenzene	12.993	119	319905	45.447	ug/l	100
84) 1,2,4-Trimethylbenzene	13.036	105	363341	46.320	ug/l	99
85) sec-Butylbenzene	13.170	105	484698	44.960	ug/l	100
86) p-Isopropyltoluene	13.285	119	403230	45.377	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	197969	46.350	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	190065	45.880	ug/l	98
89) n-Butylbenzene	13.615	91	384739	45.634	ug/l	99
90) Hexachloroethane	13.877	117	80243	46.384	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	171468	47.284	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.267	75	11597	48.582	ug/l	96
93) 1,2,4-Trichlorobenzene	14.913	180	94084	47.570	ug/l	100
94) Hexachlorobutadiene	15.017	225	48886	44.783	ug/l	99
95) Naphthalene	15.139	128	192379	50.687	ug/l	100
96) 1,2,3-Trichlorobenzene	15.322	180	83102	49.028	ug/l	99

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

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