

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062625\
 Data File : VY022838.D
 Acq On : 26 Jun 2025 10:07
 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 06/27/2025
 Supervised By :Semsettin Yesilyurt 06/27/2025

Quant Time: Jun 27 01:23:13 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	7.707	168	469939	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	769006	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	661912	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	328091	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	254080	48.442	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.880%		
35) Dibromofluoromethane	7.634	113	232400	49.693	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.380%		
50) Toluene-d8	10.109	98	940249	50.666	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	101.340%		
62) 4-Bromofluorobenzene	12.408	95	300090	50.302	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	100.600%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	206568	51.404	ug/l	98
3) Chloromethane	2.068	50	353307	46.043	ug/l	99
4) Vinyl Chloride	2.202	62	460499	48.036	ug/l	100
5) Bromomethane	2.599	94	357888	47.487	ug/l	100
6) Chloroethane	2.739	64	313220	48.606	ug/l	96
7) Trichlorofluoromethane	3.056	101	508247	47.880	ug/l	99
8) Diethyl Ether	3.458	74	135208	51.571	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.818	101	256680	52.912	ug/l	97
10) Methyl Iodide	4.007	142	301590	57.101	ug/l	100
11) Tert butyl alcohol	4.866	59	85824	246.087	ug/l #	89
12) 1,1-Dichloroethene	3.793	96	255939	53.806	ug/l	95
13) Acrolein	3.653	56	104439	220.841	ug/l	98
14) Allyl chloride	4.385	41	388163	53.054	ug/l	95
15) Acrylonitrile	5.061	53	288335	263.590	ug/l	99
16) Acetone	3.873	43	306722	309.400	ug/l	96
17) Carbon Disulfide	4.104	76	806178	52.463	ug/l	98
18) Methyl Acetate	4.385	43	151633	46.187	ug/l	97
19) Methyl tert-butyl Ether	5.116	73	688340	53.146	ug/l	98
20) Methylene Chloride	4.616	84	298100	47.615	ug/l	96
21) trans-1,2-Dichloroethene	5.116	96	285710	52.555	ug/l	97
22) Diisopropyl ether	6.019	45	860036	52.931	ug/l	99
23) Vinyl Acetate	5.964	43	2459058	274.030	ug/l	99
24) 1,1-Dichloroethane	5.915	63	513990	52.371	ug/l	100
25) 2-Butanone	6.897	43	405113	280.777	ug/l	99
26) 2,2-Dichloropropane	6.890	77	459141	55.810	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	328556	52.011	ug/l	99
28) Bromochloromethane	7.250	49	200406	48.571	ug/l	92
29) Tetrahydrofuran	7.262	42	238399	261.671	ug/l	98
30) Chloroform	7.421	83	521746	51.615	ug/l	95
31) Cyclohexane	7.701	56	470140	52.186	ug/l	99
32) 1,1,1-Trichloroethane	7.622	97	466531	53.408	ug/l	99
36) 1,1-Dichloropropene	7.835	75	391427	55.218	ug/l	99
37) Ethyl Acetate	6.982	43	162014	52.964	ug/l	99
38) Carbon Tetrachloride	7.817	117	415697	55.577	ug/l	98
39) Methylcyclohexane	9.110	83	522205	56.925	ug/l	99
40) Benzene	8.079	78	1183917	54.321	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	96382	51.181	ug/l	97
42) 1,2-Dichloroethane	8.158	62	315659	52.853	ug/l	100
43) Isopropyl Acetate	8.201	43	340233	53.516	ug/l	96
44) Trichloroethene	8.866	130	296233	54.136	ug/l	99
45) 1,2-Dichloropropane	9.140	63	274781	53.869	ug/l	97
46) Dibromomethane	9.231	93	153162	52.894	ug/l	96
47) Bromodichloromethane	9.420	83	401117	53.719	ug/l	99
48) Methyl methacrylate	9.219	41	167209	54.709	ug/l	93
49) 1,4-Dioxane	9.231	88	33487	978.838	ug/l	98
51) 4-Methyl-2-Pentanone	10.000	43	893909	276.686	ug/l	95
52) Toluene	10.170	92	766754	55.764	ug/l	98
53) t-1,3-Dichloropropene	10.390	75	368690	54.879	ug/l	98
54) cis-1,3-Dichloropropene	9.859	75	425968	54.683	ug/l	96
55) 1,1,2-Trichloroethane	10.573	97	201347	53.699	ug/l	98
56) Ethyl methacrylate	10.439	69	278542	55.216	ug/l	96
57) 1,3-Dichloropropane	10.719	76	350193	53.531	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	628770	237.953	ug/l	98
59) 2-Hexanone	10.762	43	632583	287.993	ug/l	96
60) Dibromochloromethane	10.914	129	259888	53.660	ug/l	100
61) 1,2-Dibromoethane	11.018	107	188622	53.758	ug/l	96
64) Tetrachloroethene	10.646	164	341651	54.637	ug/l	97
65) Chlorobenzene	11.444	112	798031	54.869	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.518	131	266269	54.051	ug/l	99
67) Ethyl Benzene	11.518	91	1450784	56.773	ug/l	98
68) m/p-Xylenes	11.627	106	1130504	114.443	ug/l	100
69) o-Xylene	11.957	106	528318	56.760	ug/l	99
70) Styrene	11.969	104	892986	57.275	ug/l	99
71) Bromoform	12.133	173	145434	53.020	ug/l #	99
73) Isopropylbenzene	12.255	105	1395939	57.530	ug/l	99
74) N-amyl acetate	12.066	43	314738	57.788	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	209366	53.537	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	165497m	49.409	ug/l	
77) Bromobenzene	12.530	156	303301	55.147	ug/l	98
78) n-propylbenzene	12.597	91	1691562	57.741	ug/l	99
79) 2-Chlorotoluene	12.676	91	926101	55.952	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	1127520	57.562	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	73835	55.690	ug/l	100
82) 4-Chlorotoluene	12.774	91	966445	55.588	ug/l	99
83) tert-Butylbenzene	12.999	119	1003847	58.110	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	1119232	57.071	ug/l	99
85) sec-Butylbenzene	13.176	105	1510693	58.122	ug/l	99
86) p-Isopropyltoluene	13.292	119	1248531	57.724	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	608907	55.125	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	595323	54.257	ug/l	100
89) n-Butylbenzene	13.615	91	1174277	57.717	ug/l	99
90) Hexachloroethane	13.877	117	233648	54.236	ug/l	95
91) 1,2-Dichlorobenzene	13.658	146	526588	54.097	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	33111	49.928	ug/l	97
93) 1,2,4-Trichlorobenzene	14.919	180	280703	51.074	ug/l	98
94) Hexachlorobutadiene	15.023	225	156322	50.299	ug/l	98
95) Naphthalene	15.139	128	518379	52.158	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	233613	49.190	ug/l	98

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

