

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062625\
 Data File : VY022850.D
 Acq On : 26 Jun 2025 15:19
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 06/27/2025
 Supervised By :Semsettin Yesilyurt 06/27/2025

Quant Time: Jun 27 01:29:42 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	450546	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	732368	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	631508	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	315611	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	228512	45.443	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	90.880%		
35) Dibromofluoromethane	7.634	113	216734	48.662	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.320%		
50) Toluene-d8	10.109	98	901210	50.991	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	101.980%		
62) 4-Bromofluorobenzene	12.402	95	285266	50.209	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	100.420%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	172431	44.756	ug/l	99
3) Chloromethane	2.068	50	295172	40.123	ug/l	100
4) Vinyl Chloride	2.202	62	395462	43.027	ug/l	99
5) Bromomethane	2.598	94	305992	42.348	ug/l	97
6) Chloroethane	2.739	64	269898	43.686	ug/l	94
7) Trichlorofluoromethane	3.056	101	438724	43.109	ug/l	100
8) Diethyl Ether	3.452	74	112871	44.905	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.818	101	223359	48.025	ug/l	98
10) Methyl Iodide	4.007	142	268577	53.040	ug/l	99
11) Tert butyl alcohol	4.866	59	60187	180.005	ug/l	99
12) 1,1-Dichloroethene	3.787	96	220539	48.360	ug/l	97
13) Acrolein	3.653	56	69886	154.138	ug/l	100
14) Allyl chloride	4.385	41	329488	46.973	ug/l	96
15) Acrylonitrile	5.055	53	219751	209.539	ug/l	99
16) Acetone	3.873	43	259056	272.566	ug/l	99
17) Carbon Disulfide	4.104	76	695540	47.212	ug/l	98
18) Methyl Acetate	4.385	43	111662	35.476	ug/l	95
19) Methyl tert-butyl Ether	5.116	73	550449	44.329	ug/l	97
20) Methylene Chloride	4.616	84	260524	43.404	ug/l	96
21) trans-1,2-Dichloroethene	5.116	96	246056	47.209	ug/l	96
22) Diisopropyl ether	6.019	45	729914	46.856	ug/l	99
23) Vinyl Acetate	5.964	43	1955357	227.279	ug/l	98
24) 1,1-Dichloroethane	5.915	63	447655	47.576	ug/l	99
25) 2-Butanone	6.896	43	314343	227.244	ug/l	100
26) 2,2-Dichloropropane	6.884	77	396600	50.283	ug/l	100
27) cis-1,2-Dichloroethene	6.896	96	288558	47.645	ug/l	100
28) Bromochloromethane	7.244	49	183042	46.272	ug/l	91
29) Tetrahydrofuran	7.262	42	176280	201.816	ug/l	99
30) Chloroform	7.421	83	454709	46.919	ug/l	92
31) Cyclohexane	7.701	56	399745	46.282	ug/l	98
32) 1,1,1-Trichloroethane	7.622	97	402982	48.118	ug/l	99
36) 1,1-Dichloropropene	7.835	75	335816	49.743	ug/l	99
37) Ethyl Acetate	6.988	43	124408	42.705	ug/l	98
38) Carbon Tetrachloride	7.823	117	355682	49.932	ug/l	99
39) Methylcyclohexane	9.110	83	448667	51.355	ug/l	98
40) Benzene	8.079	78	1025028	49.384	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	70728	39.437	ug/l	98
42) 1,2-Dichloroethane	8.158	62	266331	46.825	ug/l	99
43) Isopropyl Acetate	8.201	43	261241	43.147	ug/l	99
44) Trichloroethene	8.866	130	259098	49.718	ug/l	99
45) 1,2-Dichloropropane	9.140	63	235928	48.566	ug/l	97
46) Dibromomethane	9.231	93	125451	45.491	ug/l	97
47) Bromodichloromethane	9.427	83	341212	47.982	ug/l	99
48) Methyl methacrylate	9.219	41	128778	44.243	ug/l	95
49) 1,4-Dioxane	9.231	88	27047	830.146	ug/l	92
51) 4-Methyl-2-Pentanone	10.000	43	664714	216.038	ug/l	96
52) Toluene	10.170	92	656113	50.105	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	301980	47.198	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	364109	49.080	ug/l	96
55) 1,1,2-Trichloroethane	10.573	97	164240	45.994	ug/l	97
56) Ethyl methacrylate	10.439	69	218194	45.417	ug/l	96
57) 1,3-Dichloropropane	10.719	76	289036	46.393	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	546795	218.642	ug/l	99
59) 2-Hexanone	10.762	43	472731	225.985	ug/l	96
60) Dibromochloromethane	10.914	129	214012	46.399	ug/l	100
61) 1,2-Dibromoethane	11.018	107	153167	45.837	ug/l	96
64) Tetrachloroethene	10.646	164	302468	50.700	ug/l	98
65) Chlorobenzene	11.444	112	685507	49.402	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.518	131	231194	49.191	ug/l	99
67) Ethyl Benzene	11.518	91	1258110	51.603	ug/l	98
68) m/p-Xylenes	11.627	106	976897	103.654	ug/l	100
69) o-Xylene	11.957	106	450708	50.753	ug/l	99
70) Styrene	11.969	104	758439	50.988	ug/l	100
71) Bromoform	12.133	173	116229	44.413	ug/l #	97
73) Isopropylbenzene	12.255	105	1198297	51.338	ug/l	99
74) N-amyl acetate	12.066	43	241033	46.005	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	160524	42.671	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	150849m	46.817	ug/l	
77) Bromobenzene	12.530	156	254649	48.131	ug/l	98
78) n-propylbenzene	12.591	91	1462280	51.888	ug/l	98
79) 2-Chlorotoluene	12.676	91	800718	50.289	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	963130	51.114	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.304	75	56748	44.495	ug/l	98
82) 4-Chlorotoluene	12.773	91	829191	49.579	ug/l	99
83) tert-Butylbenzene	12.993	119	858272	51.648	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	960333	50.905	ug/l	99
85) sec-Butylbenzene	13.176	105	1312255	52.484	ug/l	100
86) p-Isopropyltoluene	13.292	119	1092705	52.517	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	522422	49.166	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	510036	48.322	ug/l	99
89) n-Butylbenzene	13.615	91	1031016	52.679	ug/l	99
90) Hexachloroethane	13.877	117	203675	49.148	ug/l	95
91) 1,2-Dichlorobenzene	13.657	146	441645	47.165	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	26187	41.049	ug/l	97
93) 1,2,4-Trichlorobenzene	14.919	180	235250	44.497	ug/l	98
94) Hexachlorobutadiene	15.023	225	138338	46.272	ug/l	98
95) Naphthalene	15.139	128	397749	41.603	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	193533	42.362	ug/l	99

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

