

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051925\
 Data File : VY022303.D
 Acq On : 19 May 2025 08:27
 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 05/21/2025
 Supervised By :Semsettin Yesilyurt 05/21/2025

Quant Time: May 20 01:07:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:42:09 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	226750	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	371882	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	313200	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	144499	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	114762	46.309	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	92.620%		
35) Dibromofluoromethane	7.634	113	107193	48.294	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.580%		
50) Toluene-d8	10.109	98	441509	48.568	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	97.140%		
62) 4-Bromofluorobenzene	12.408	95	132565	46.007	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	92.020%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	109139	46.127	ug/l	100
3) Chloromethane	2.068	50	240982	48.418	ug/l	99
4) Vinyl Chloride	2.202	62	281774	50.673	ug/l	98
5) Bromomethane	2.598	94	221777	48.993	ug/l	95
6) Chloroethane	2.739	64	188480	54.484	ug/l	100
7) Trichlorofluoromethane	3.056	101	274723	48.797	ug/l	99
8) Diethyl Ether	3.452	74	60755	44.967	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.812	101	121195	49.586	ug/l	99
10) Methyl Iodide	4.001	142	139611	49.353	ug/l	99
11) Tert butyl alcohol	4.866	59	39142	206.836	ug/l #	100
12) 1,1-Dichloroethene	3.793	96	117781	48.560	ug/l	96
13) Acrolein	3.653	56	37396	135.173	ug/l	94
14) Allyl chloride	4.385	41	188875	44.412	ug/l	97
15) Acrylonitrile	5.061	53	119810	215.208	ug/l	99
16) Acetone	3.873	43	92085	198.172	ug/l	95
17) Carbon Disulfide	4.104	76	373012	47.162	ug/l	100
18) Methyl Acetate	4.378	43	59584	40.670	ug/l	98
19) Methyl tert-butyl Ether	5.110	73	299714	44.815	ug/l	96
20) Methylene Chloride	4.616	84	122787	40.894	ug/l	95
21) trans-1,2-Dichloroethene	5.110	96	126924	47.410	ug/l	92
22) Diisopropyl ether	6.018	45	394002	43.870	ug/l	99
23) Vinyl Acetate	5.957	43	1153872	212.665	ug/l	100
24) 1,1-Dichloroethane	5.915	63	233548	46.546	ug/l	99
25) 2-Butanone	6.896	43	155949	200.639	ug/l	98
26) 2,2-Dichloropropane	6.884	77	213195	47.772	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	144620	46.812	ug/l	99
28) Bromochloromethane	7.244	49	98377	45.966	ug/l	99
29) Tetrahydrofuran	7.262	42	104691	209.360	ug/l	96
30) Chloroform	7.421	83	228289	47.434	ug/l	97
31) Cyclohexane	7.701	56	228271	45.534	ug/l	96
32) 1,1,1-Trichloroethane	7.616	97	210565	47.688	ug/l	99
36) 1,1-Dichloropropene	7.835	75	177858	48.649	ug/l	98
37) Ethyl Acetate	6.982	43	74123	42.138	ug/l	97
38) Carbon Tetrachloride	7.817	117	185946	49.136	ug/l	99
39) Methylcyclohexane	9.109	83	245018	49.884	ug/l	96
40) Benzene	8.079	78	518202	47.813	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	44324	37.986	ug/l #	86
42) 1,2-Dichloroethane	8.158	62	133999	45.719	ug/l	100
43) Isopropyl Acetate	8.195	43	164658	42.921	ug/l	99
44) Trichloroethene	8.866	130	129847	48.183	ug/l	97
45) 1,2-Dichloropropane	9.140	63	121700	46.575	ug/l	95
46) Dibromomethane	9.231	93	64749	45.943	ug/l	98
47) Bromodichloromethane	9.420	83	173095	47.343	ug/l	100
48) Methyl methacrylate	9.219	41	75158	41.892	ug/l	95
49) 1,4-Dioxane	9.231	88	14246	894.779	ug/l	94
51) 4-Methyl-2-Pentanone	9.999	43	395363	210.035	ug/l	98
52) Toluene	10.170	92	323890	47.193	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	163246	45.752	ug/l	97
54) cis-1,3-Dichloropropene	9.859	75	189374	46.324	ug/l	95
55) 1,1,2-Trichloroethane	10.573	97	80398	44.549	ug/l	98
56) Ethyl methacrylate	10.438	69	124860	44.416	ug/l	97
57) 1,3-Dichloropropane	10.719	76	145992	45.530	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	310691	246.231	ug/l	99
59) 2-Hexanone	10.762	43	260783	206.627	ug/l	98
60) Dibromochloromethane	10.914	129	110053	46.983	ug/l	100
61) 1,2-Dibromoethane	11.011	107	77561	46.111	ug/l	100
64) Tetrachloroethene	10.646	164	140924	48.679	ug/l	99
65) Chlorobenzene	11.444	112	339131	47.994	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.517	131	114730	47.229	ug/l	100
67) Ethyl Benzene	11.517	91	641620	48.485	ug/l	97
68) m/p-Xylenes	11.627	106	480417	96.343	ug/l	99
69) o-Xylene	11.956	106	223762	47.429	ug/l	98
70) Styrene	11.969	104	374205	47.020	ug/l	99
71) Bromoform	12.133	173	59355	45.269	ug/l #	99
73) Isopropylbenzene	12.255	105	594081	49.626	ug/l	100
74) N-amyl acetate	12.072	43	150967	44.094	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	86518	46.994	ug/l	97
76) 1,2,3-Trichloropropane	12.554	75	69712m	47.620	ug/l	
77) Bromobenzene	12.529	156	123903	48.461	ug/l	97
78) n-propylbenzene	12.597	91	722589	50.043	ug/l	100
79) 2-Chlorotoluene	12.682	91	383846	48.374	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	467447	48.373	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	31793	43.994	ug/l	98
82) 4-Chlorotoluene	12.779	91	395166	48.417	ug/l	100
83) tert-Butylbenzene	12.999	119	426406	49.646	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	468001	48.787	ug/l	100
85) sec-Butylbenzene	13.176	105	643574	50.477	ug/l	100
86) p-Isopropyltoluene	13.292	119	535122	49.904	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	251111	48.110	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	241157	48.034	ug/l	98
89) n-Butylbenzene	13.621	91	512834	50.552	ug/l	99
90) Hexachloroethane	13.883	117	106297	49.107	ug/l	97
91) 1,2-Dichlorobenzene	13.657	146	207228	47.267	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	13224	44.544	ug/l	97
93) 1,2,4-Trichlorobenzene	14.919	180	117885	46.549	ug/l	98
94) Hexachlorobutadiene	15.023	225	66957	47.410	ug/l	99
95) Naphthalene	15.145	128	211483	44.006	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	96005	44.687	ug/l	99

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

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