

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031925\
 Data File : VY021572.D
 Acq On : 19 Mar 2025 16:07
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 03/20/2025
 Supervised By :Semsettin Yesilyurt 03/20/2025

Quant Time: Mar 20 01:31:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 05 12:42:45 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	242585	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	401233	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	366701	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	191901	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	138825	54.144	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.280%			
35) Dibromofluoromethane	7.634	113	131538	49.875	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.740%			
50) Toluene-d8	10.103	98	477588	47.826	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 95.660%			
62) 4-Bromofluorobenzene	12.402	95	175354	51.623	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 103.240%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.861	85	94378	42.396	ug/l	97
3) Chloromethane	2.068	50	141055	44.943	ug/l	98
4) Vinyl Chloride	2.202	62	163431	47.651	ug/l	97
5) Bromomethane	2.592	94	121724	49.105	ug/l	99
6) Chloroethane	2.732	64	126977	56.022	ug/l	99
7) Trichlorofluoromethane	3.056	101	262765	54.889	ug/l	98
8) Diethyl Ether	3.452	74	78065	58.843	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.812	101	131035	47.942	ug/l	99
10) Methyl Iodide	4.001	142	164483	59.202	ug/l	99
11) Tert butyl alcohol	4.854	59	54669	335.662	ug/l	99
12) 1,1-Dichloroethene	3.787	96	122491	49.156	ug/l	97
13) Acrolein	3.659	56	6361	48.776	ug/l	89
14) Allyl chloride	4.385	41	207424	51.508	ug/l	98
15) Acrylonitrile	5.061	53	172281	305.057	ug/l	99
16) Acetone	3.866	43	124992	223.509	ug/l	92
17) Carbon Disulfide	4.104	76	350369	44.865	ug/l	99
18) Methyl Acetate	4.385	43	96497	77.769	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	379662	60.113	ug/l	97
20) Methylene Chloride	4.616	84	150004	51.100	ug/l	97
21) trans-1,2-Dichloroethene	5.110	96	140551	50.364	ug/l	98
22) Diisopropyl ether	6.019	45	484697	55.850	ug/l	98
23) Vinyl Acetate	5.958	43	1389202	280.483	ug/l	98
24) 1,1-Dichloroethane	5.915	63	270839	52.877	ug/l	99
25) 2-Butanone	6.890	43	222712	287.898	ug/l	100
26) 2,2-Dichloropropane	6.884	77	216320	45.900	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	174061	54.903	ug/l	95
28) Bromochloromethane	7.244	49	120515	56.122	ug/l	95
29) Tetrahydrofuran	7.262	42	147276	308.387	ug/l	98
30) Chloroform	7.421	83	288618	54.264	ug/l	99
31) Cyclohexane	7.701	56	213264	44.412	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	247662	50.855	ug/l	99
36) 1,1-Dichloropropene	7.835	75	188194	45.586	ug/l	99
37) Ethyl Acetate	6.982	43	100111	54.866	ug/l	99
38) Carbon Tetrachloride	7.817	117	220697	46.483	ug/l	98
39) Methylcyclohexane	9.109	83	224533	44.340	ug/l	99
40) Benzene	8.079	78	601344	49.448	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	46160	46.461	ug/l #	79
42) 1,2-Dichloroethane	8.158	62	177154	52.072	ug/l	100
43) Isopropyl Acetate	8.195	43	201879	56.994	ug/l #	88
44) Trichloroethene	8.866	130	151433	49.277	ug/l	95
45) 1,2-Dichloropropane	9.140	63	148633	51.353	ug/l	97
46) Dibromomethane	9.231	93	86737	53.859	ug/l	97
47) Bromodichloromethane	9.420	83	226846	53.041	ug/l	99
48) Methyl methacrylate	9.219	41	93289	57.355	ug/l	95
49) 1,4-Dioxane	9.225	88	19968	1263.239	ug/l	94
51) 4-Methyl-2-Pentanone	9.999	43	566053	309.722	ug/l	99
52) Toluene	10.170	92	548868	71.588	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	201419	53.456	ug/l	97
54) cis-1,3-Dichloropropene	9.853	75	235870	52.725	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	117057	55.566	ug/l	96
56) Ethyl methacrylate	10.438	69	164126	61.089	ug/l	98
57) 1,3-Dichloropropane	10.719	76	202280	55.402	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.707	63	351901	283.737	ug/l	99
59) 2-Hexanone	10.762	43	364054	301.253	ug/l	99
60) Dibromochloromethane	10.908	129	160470	55.564	ug/l	100
61) 1,2-Dibromoethane	11.012	107	110693	55.675	ug/l	99
64) Tetrachloroethene	10.646	164	159089	53.352	ug/l	96
65) Chlorobenzene	11.438	112	425334	49.118	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.518	131	155726	50.865	ug/l	100
67) Ethyl Benzene	11.518	91	733048	48.230	ug/l	100
68) m/p-Xylenes	11.627	106	562303	97.447	ug/l	100
69) o-Xylene	11.956	106	269433	50.663	ug/l	99
70) Styrene	11.969	104	460634	52.211	ug/l	99
71) Bromoform	12.133	173	94412	55.165	ug/l	98
73) Isopropylbenzene	12.255	105	707433	46.798	ug/l	100
74) N-amyl acetate	12.072	43	179080	54.549	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	132816	49.789	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	97383m	50.360	ug/l	
77) Bromobenzene	12.530	156	173261	48.992	ug/l	98
78) n-propylbenzene	12.597	91	842169	45.873	ug/l	99
79) 2-Chlorotoluene	12.682	91	495185	47.172	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	583417	47.492	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	42008	49.384	ug/l	95
82) 4-Chlorotoluene	12.779	91	508046	46.737	ug/l	100
83) tert-Butylbenzene	12.999	119	519509	47.405	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	589933	48.366	ug/l	99
85) sec-Butylbenzene	13.176	105	747709	45.856	ug/l	99
86) p-Isopropyltoluene	13.292	119	627611	46.721	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	331055	47.027	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	328325	47.690	ug/l	99
89) n-Butylbenzene	13.615	91	577268	46.538	ug/l	99
90) Hexachloroethane	13.877	117	133455	46.569	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	300609	49.823	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	21494	53.790	ug/l	98
93) 1,2,4-Trichlorobenzene	14.919	180	175370	53.214	ug/l	99
94) Hexachlorobutadiene	15.023	225	101424	49.097	ug/l	99
95) Naphthalene	15.145	128	347455	60.772	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	153868	55.514	ug/l	99

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

