

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051721\
 Data File : VY004793.D
 Acq On : 17 May 2021 10:08
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/19/2021 3:57:32 PM

Quant Time: May 18 01:00:40 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051021S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 11 04:13:44 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	230602	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	368395	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	324611	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	156620	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	144001	52.46	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.92%			
35) Dibromofluoromethane	7.722	113	110540	54.81	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.62%			
50) Toluene-d8	10.185	98	466919	51.25	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 102.50%			
62) 4-Bromofluorobenzene	12.483	95	161258	52.44	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 104.88%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.912	85	103585	49.05	ug/l	100
3) Chloromethane	2.119	50	160001	46.76	ug/l	98
4) Vinyl Chloride	2.259	62	165118	47.15	ug/l	99
5) Bromomethane	2.656	94	92141	51.59	ug/l	97
6) Chloroethane	2.796	64	104597	50.62	ug/l	96
7) Trichlorofluoromethane	3.131	101	225212	54.18	ug/l	99
8) Diethyl Ether	3.534	74	77616	52.85	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.905	101	128064	54.31	ug/l	99
10) Methyl Iodide	4.101	142	138591	54.96	ug/l	100
11) Tert butyl alcohol	4.966	59	67821	245.86	ug/l	100
12) 1,1-Dichloroethene	3.881	96	121004	53.08	ug/l	98
13) Acrolein	3.735	56	70824	218.39	ug/l	96
14) Allyl chloride	4.485	41	236542	53.10	ug/l	99
15) Acrylonitrile	5.173	53	192285	261.18	ug/l	99
16) Acetone	3.960	43	127243	206.39	ug/l	100
17) Carbon Disulfide	4.198	76	368291	52.91	ug/l	99
18) Methyl Acetate	4.485	43	99521	50.62	ug/l	97
19) Methyl tert-butyl Ether	5.228	73	346316	55.24	ug/l	99
20) Methylene Chloride	4.728	84	138667	48.21	ug/l	97
21) trans-1,2-Dichloroethene	5.228	96	138158	53.35	ug/l	99
22) Diisopropyl ether	6.125	45	469812	54.83	ug/l	99
23) Vinyl Acetate	6.070	43	1736761	269.91	ug/l	98
24) 1,1-Dichloroethane	6.027	63	264495	54.86	ug/l	99
25) 2-Butanone	6.996	43	255238	233.02	ug/l	100
26) 2,2-Dichloropropane	6.990	77	239118	56.78	ug/l	99
27) cis-1,2-Dichloroethene	6.996	96	159288	55.39	ug/l	99
28) Bromochloromethane	7.338	49	118065	50.13	ug/l	99
29) Tetrahydrofuran	7.356	42	182150	260.69	ug/l	97
30) Chloroform	7.515	83	262844	55.33	ug/l	99
31) Cyclohexane	7.789	56	231756	52.16	ug/l	97
32) 1,1,1-Trichloroethane	7.710	97	238294	55.97	ug/l	99
36) 1,1-Dichloropropene	7.923	75	211570	56.04	ug/l	99
37) Ethyl Acetate	7.082	43	137653	53.21	ug/l	99
38) Carbon Tetrachloride	7.905	117	200253	59.01	ug/l	99
39) Methylcyclohexane	9.185	83	237588	57.71	ug/l	99
40) Benzene	8.167	78	593425	55.60	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	66366m	46.94	ug/l	
42) 1,2-Dichloroethane	8.240	62	189270	56.15	ug/l	100
43) Isopropyl Acetate	8.277	43	262014	54.55	ug/l	99
44) Trichloroethene	8.941	130	159987	55.76	ug/l	99
45) 1,2-Dichloropropane	9.222	63	153651	55.03	ug/l	99
46) Dibromomethane	9.307	93	83780	53.95	ug/l	99
47) Bromodichloromethane	9.502	83	198415	53.87	ug/l	100
48) Methyl methacrylate	9.295	41	119522	54.68	ug/l	98
49) 1,4-Dioxane	9.301	88	20865	1141.13	ug/l	90
51) 4-Methyl-2-Pentanone	10.075	43	686862	265.80	ug/l	99
52) Toluene	10.246	92	368039	54.62	ug/l	100
53) t-1,3-Dichloropropene	10.471	75	222308	54.48	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	246153	54.22	ug/l	99
55) 1,1,2-Trichloroethane	10.648	97	115840	54.21	ug/l	99
56) Ethyl methacrylate	10.514	69	172753	55.90	ug/l	97
57) 1,3-Dichloropropane	10.794	76	206834	54.43	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.789	63	398338	249.71	ug/l	99
59) 2-Hexanone	10.837	43	464674	265.36	ug/l	98
60) Dibromochloromethane	10.990	129	136436	53.69	ug/l	100
61) 1,2-Dibromoethane	11.093	107	111158	53.95	ug/l	98
64) Tetrachloroethene	10.721	164	162388	55.37	ug/l	98
65) Chlorobenzene	11.520	112	380735	56.99	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	138842	57.17	ug/l	99
67) Ethyl Benzene	11.593	91	719297	57.95	ug/l	99
68) m/p-Xylenes	11.703	106	542634	116.35	ug/l	100
69) o-Xylene	12.032	106	254934	58.49	ug/l	99
70) Styrene	12.044	104	434381	59.45	ug/l	99
71) Bromoform	12.209	173	83687	56.88	ug/l #	100
73) Isopropylbenzene	12.331	105	701406	59.36	ug/l	100
74) N-amyl acetate	12.148	43	237469	56.84	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.587	83	133901	56.79	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	98370m	59.13	ug/l	
77) Bromobenzene	12.611	156	151707	56.86	ug/l	100
78) n-propylbenzene	12.672	91	845629	58.65	ug/l	100
79) 2-Chlorotoluene	12.757	91	465234	58.80	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	582690	59.38	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	54415	56.72	ug/l #	76
82) 4-Chlorotoluene	12.855	91	484449	58.96	ug/l	100
83) tert-Butylbenzene	13.081	119	497811	59.43	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	579989	59.05	ug/l	100
85) sec-Butylbenzene	13.257	105	727540	59.74	ug/l	100
86) p-Isopropyltoluene	13.373	119	633610	60.01	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	296314	56.63	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	293456	56.91	ug/l	100
89) n-Butylbenzene	13.696	91	610748	59.17	ug/l	99
90) Hexachloroethane	13.965	117	89341	60.08	ug/l	100
91) 1,2-Dichlorobenzene	13.739	146	263897	57.17	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.361	75	23035	52.29	ug/l	94
93) 1,2,4-Trichlorobenzene	15.007	180	168724	56.74	ug/l	100
94) Hexachlorobutadiene	15.111	225	92069	57.16	ug/l	98
95) Naphthalene	15.239	128	370003	57.50	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	149288	56.73	ug/l	100

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

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