

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051021\
 Data File : VY004734.D
 Acq On : 10 May 2021 17:01
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/11/2021 10:36:08 AM

Quant Time: May 11 04:28:03 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	7.801	168	192850	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	312877	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	288326	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	142797	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	115036	50.11	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.22%			
35) Dibromofluoromethane	7.728	113	88983	51.95	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.90%			
50) Toluene-d8	10.185	98	388919	50.26	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 100.52%			
62) 4-Bromofluorobenzene	12.483	95	132567	50.76	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 101.52%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	82949	46.97	ug/l	99
3) Chloromethane	2.119	50	122092	42.66	ug/l	98
4) Vinyl Chloride	2.259	62	127820	43.65	ug/l	100
5) Bromomethane	2.656	94	71550	47.90	ug/l	95
6) Chloroethane	2.802	64	81092	46.92	ug/l	97
7) Trichlorofluoromethane	3.131	101	169134	48.65	ug/l	96
8) Diethyl Ether	3.540	74	57881	47.12	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.911	101	94855	48.10	ug/l	99
10) Methyl Iodide	4.100	142	103490	49.08	ug/l	100
11) Tert butyl alcohol	4.978	59	48674	210.99	ug/l	99
12) 1,1-Dichloroethene	3.881	96	91289	47.89	ug/l	96
13) Acrolein	3.741	56	57740	212.90	ug/l	96
14) Allyl chloride	4.491	41	174674	46.89	ug/l	99
15) Acrylonitrile	5.179	53	141252	229.42	ug/l	98
16) Acetone	3.960	43	117947	228.76	ug/l	98
17) Carbon Disulfide	4.204	76	277274	47.63	ug/l	99
18) Methyl Acetate	4.484	43	73124	44.47	ug/l	98
19) Methyl tert-butyl Ether	5.234	73	251209	47.91	ug/l	98
20) Methylene Chloride	4.728	84	107642	44.01	ug/l	97
21) trans-1,2-Dichloroethene	5.228	96	104202	48.11	ug/l	96
22) Diisopropyl ether	6.131	45	349520	48.78	ug/l	99
23) Vinyl Acetate	6.070	43	1302451	242.04	ug/l	100
24) 1,1-Dichloroethane	6.027	63	193818	48.07	ug/l	99
25) 2-Butanone	7.002	43	212642	232.14	ug/l	100
26) 2,2-Dichloropropane	6.990	77	171963	48.83	ug/l	99
27) cis-1,2-Dichloroethene	6.990	96	117934	49.03	ug/l	99
28) Bromochloromethane	7.344	49	97375	49.44	ug/l	99
29) Tetrahydrofuran	7.356	42	134746	230.60	ug/l	98
30) Chloroform	7.514	83	191674	48.25	ug/l	99
31) Cyclohexane	7.789	56	170420	45.86	ug/l	96
32) 1,1,1-Trichloroethane	7.710	97	172977	48.58	ug/l	99
36) 1,1-Dichloropropene	7.923	75	152571	47.58	ug/l	99
37) Ethyl Acetate	7.082	43	101071	46.00	ug/l	99
38) Carbon Tetrachloride	7.905	117	145252	50.40	ug/l	98
39) Methylcyclohexane	9.185	83	172059	49.21	ug/l	99
40) Benzene	8.167	78	436164	48.12	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.338	41	61348m	51.09	ug/l	
42) 1,2-Dichloroethane	8.246	62	139259	48.65	ug/l	100
43) Isopropyl Acetate	8.276	43	195205	47.85	ug/l	100
44) Trichloroethene	8.947	130	117139	48.07	ug/l	97
45) 1,2-Dichloropropane	9.221	63	114013	48.08	ug/l	98
46) Dibromomethane	9.313	93	63395	48.07	ug/l	99
47) Bromodichloromethane	9.502	83	150969	48.26	ug/l	99
48) Methyl methacrylate	9.301	41	89509	48.22	ug/l	100
49) 1,4-Dioxane	9.307	88	14012	902.31	ug/l	87
51) 4-Methyl-2-Pentanone	10.075	43	521590	237.66	ug/l	100
52) Toluene	10.246	92	277249	48.44	ug/l	99
53) t-1,3-Dichloropropene	10.471	75	169223	48.83	ug/l	99
54) cis-1,3-Dichloropropene	9.935	75	184761	47.91	ug/l	99
55) 1,1,2-Trichloroethane	10.648	97	87432	48.17	ug/l	98
56) Ethyl methacrylate	10.514	69	129345	49.28	ug/l	99
57) 1,3-Dichloropropane	10.794	76	156302	48.43	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.788	63	322936	238.36	ug/l	99
59) 2-Hexanone	10.837	43	361165	242.85	ug/l	99
60) Dibromochloromethane	10.989	129	105180	48.74	ug/l	97
61) 1,2-Dibromoethane	11.093	107	84567	48.33	ug/l	98
64) Tetrachloroethene	10.721	164	126798	48.67	ug/l	98
65) Chlorobenzene	11.520	112	289185	48.74	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	106363	49.30	ug/l	99
67) Ethyl Benzene	11.593	91	545587	49.49	ug/l	98
68) m/p-Xylenes	11.703	106	415142	100.22	ug/l	100
69) o-Xylene	12.032	106	193382	49.95	ug/l	100
70) Styrene	12.044	104	332618	51.25	ug/l	99
71) Bromoform	12.209	173	63634	48.69	ug/l #	98
73) Isopropylbenzene	12.331	105	526410	48.87	ug/l	100
74) N-amyl acetate	12.148	43	187360	49.19	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.587	83	101327	47.13	ug/l	100
76) 1,2,3-Trichloropropane	12.635	75	76183m	50.23	ug/l	
77) Bromobenzene	12.611	156	117986	48.51	ug/l	97
78) n-propylbenzene	12.672	91	648151	49.30	ug/l	100
79) 2-Chlorotoluene	12.757	91	354062	49.08	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	447772	50.05	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.379	75	42035	48.05	ug/l	99
82) 4-Chlorotoluene	12.855	91	368037	49.13	ug/l	99
83) tert-Butylbenzene	13.074	119	382370	50.06	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	444137	49.60	ug/l	100
85) sec-Butylbenzene	13.257	105	558031	50.25	ug/l	100
86) p-Isopropyltoluene	13.373	119	486520	50.54	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	232330	48.70	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	228939	48.70	ug/l	100
89) n-Butylbenzene	13.696	91	467986	49.73	ug/l	100
90) Hexachloroethane	13.964	117	65961	48.66	ug/l	100
91) 1,2-Dichlorobenzene	13.739	146	206248	49.00	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	18083	45.02	ug/l	97
93) 1,2,4-Trichlorobenzene	15.007	180	130280	48.06	ug/l	98
94) Hexachlorobutadiene	15.111	225	71498	48.68	ug/l	98
95) Naphthalene	15.239	128	285534	48.67	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	115120	47.98	ug/l	99

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

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