

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051421\
 Data File : VY004791.D
 Acq On : 14 May 2021 18:26
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.02G/5ML/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/17/2021 2:35:42 PM

Quant Time: May 15 04:00:54 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	213430	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	352847	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	330658	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	159032	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	136552	53.75	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.50%			
35) Dibromofluoromethane	7.728	113	101492	52.54	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.08%			
50) Toluene-d8	10.185	98	446957	51.22	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 102.44%			
62) 4-Bromofluorobenzene	12.483	95	154134	52.34	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 104.68%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	88973	45.52	ug/l	99
3) Chloromethane	2.119	50	138351	43.68	ug/l	97
4) Vinyl Chloride	2.259	62	145031	44.75	ug/l	99
5) Bromomethane	2.656	94	80181	48.51	ug/l	97
6) Chloroethane	2.802	64	92555	48.39	ug/l	94
7) Trichlorofluoromethane	3.131	101	193138	50.20	ug/l	96
8) Diethyl Ether	3.534	74	70707	52.02	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.906	101	107384	49.20	ug/l	99
10) Methyl Iodide	4.101	142	120653	51.70	ug/l	99
11) Tert butyl alcohol	4.972	59	68350	267.71	ug/l	99
12) 1,1-Dichloroethene	3.881	96	104927	49.73	ug/l	98
13) Acrolein	3.741	56	51557	171.77	ug/l	97
14) Allyl chloride	4.491	41	209697	50.86	ug/l	100
15) Acrylonitrile	5.180	53	181109	265.79	ug/l	99
16) Acetone	3.960	43	156262	273.85	ug/l	97
17) Carbon Disulfide	4.204	76	310024	48.12	ug/l	99
18) Methyl Acetate	4.491	43	97984	53.85	ug/l	98
19) Methyl tert-butyl Ether	5.235	73	319569	55.07	ug/l	98
20) Methylene Chloride	4.729	84	167578	66.10	ug/l	97
21) trans-1,2-Dichloroethene	5.228	96	121689	50.77	ug/l	99
22) Diisopropyl ether	6.131	45	427073	53.86	ug/l	99
23) Vinyl Acetate	6.070	43	1604893	269.48	ug/l	100
24) 1,1-Dichloroethane	6.033	63	234310	52.51	ug/l	99
25) 2-Butanone	6.996	43	280739	276.93	ug/l	99
26) 2,2-Dichloropropane	6.990	77	200146	51.35	ug/l	99
27) cis-1,2-Dichloroethene	6.996	96	141240	53.06	ug/l	99
28) Bromochloromethane	7.344	49	114806	52.67	ug/l	100
29) Tetrahydrofuran	7.356	42	173740	268.66	ug/l	96
30) Chloroform	7.515	83	235199	53.50	ug/l	100
31) Cyclohexane	7.789	56	192525	46.82	ug/l	99
32) 1,1,1-Trichloroethane	7.710	97	206302	52.35	ug/l	99
36) 1,1-Dichloropropene	7.923	75	179604	49.67	ug/l	99
37) Ethyl Acetate	7.082	43	127020	51.26	ug/l	99
38) Carbon Tetrachloride	7.911	117	168697	51.90	ug/l	98
39) Methylcyclohexane	9.185	83	196209	49.76	ug/l	100
40) Benzene	8.167	78	526924	51.55	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	64957m	47.97	ug/l	
42) 1,2-Dichloroethane	8.246	62	170797	52.90	ug/l	100
43) Isopropyl Acetate	8.283	43	250041	54.35	ug/l	100
44) Trichloroethene	8.941	130	141041	51.33	ug/l	99
45) 1,2-Dichloropropane	9.222	63	139730	52.25	ug/l	99
46) Dibromomethane	9.313	93	78599	52.84	ug/l	98
47) Bromodichloromethane	9.502	83	189815	53.80	ug/l	99
48) Methyl methacrylate	9.295	41	113594	54.26	ug/l	99
49) 1,4-Dioxane	9.307	88	17207	982.54	ug/l	98
51) 4-Methyl-2-Pentanone	10.075	43	674196	272.39	ug/l	99
52) Toluene	10.246	92	338071	52.38	ug/l	100
53) t-1,3-Dichloropropene	10.471	75	208277	53.29	ug/l	99
54) cis-1,3-Dichloropropene	9.935	75	228296	52.50	ug/l	97
55) 1,1,2-Trichloroethane	10.648	97	109171	53.34	ug/l	98
56) Ethyl methacrylate	10.514	69	166252	56.17	ug/l	100
57) 1,3-Dichloropropane	10.794	76	194268	53.38	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.789	63	403596	264.15	ug/l	99
59) 2-Hexanone	10.837	43	466016	277.86	ug/l	97
60) Dibromochloromethane	10.990	129	130133	53.47	ug/l	99
61) 1,2-Dibromoethane	11.093	107	106116	53.77	ug/l	100
64) Tetrachloroethene	10.721	164	147068	49.23	ug/l	99
65) Chlorobenzene	11.520	112	351633	51.67	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	127860	51.68	ug/l	99
67) Ethyl Benzene	11.593	91	655093	51.81	ug/l	99
68) m/p-Xylenes	11.703	106	495186	104.24	ug/l	99
69) o-Xylene	12.032	106	234736	52.87	ug/l	100
70) Styrene	12.044	104	405532	54.48	ug/l	99
71) Bromoform	12.209	173	81112	54.12	ug/l #	99
73) Isopropylbenzene	12.331	105	626656	52.23	ug/l	99
74) N-amyl acetate	12.148	43	232074	54.71	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.587	83	129270	53.99	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	93777m	55.52	ug/l	
77) Bromobenzene	12.611	156	142628	52.65	ug/l	99
78) n-propylbenzene	12.672	91	757377	51.73	ug/l	100
79) 2-Chlorotoluene	12.758	91	423535	52.72	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	525187	52.71	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	51707	53.08	ug/l	100
82) 4-Chlorotoluene	12.855	91	440952	52.85	ug/l	100
83) tert-Butylbenzene	13.075	119	453981	53.37	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	526560	52.80	ug/l	100
85) sec-Butylbenzene	13.257	105	645493	52.20	ug/l	100
86) p-Isopropyltoluene	13.373	119	561473	52.38	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	272481	51.28	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	269074	51.39	ug/l	100
89) n-Butylbenzene	13.696	91	530358	50.60	ug/l	100
90) Hexachloroethane	13.965	117	79638	52.75	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	244036	52.06	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.361	75	23130	51.71	ug/l	98
93) 1,2,4-Trichlorobenzene	15.007	180	148500	49.18	ug/l	100
94) Hexachlorobutadiene	15.111	225	79265	48.46	ug/l	99
95) Naphthalene	15.239	128	350988	53.71	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	132649	49.64	ug/l	99

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

