

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051821\
 Data File : VY004841.D
 Acq On : 18 May 2021 20:52
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/19/2021 3:59:08 PM

Quant Time: May 19 01:07:51 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	188481	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	327612	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	302368	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	144934	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	127754	56.94	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 113.88%			
35) Dibromofluoromethane	7.728	113	96006	53.53	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.06%			
50) Toluene-d8	10.179	98	423861	52.32	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 104.64%			
62) 4-Bromofluorobenzene	12.483	95	146531	53.59	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 107.18%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	73959	42.85	ug/l	97
3) Chloromethane	2.113	50	122414	43.77	ug/l	97
4) Vinyl Chloride	2.253	62	121435	42.43	ug/l	100
5) Bromomethane	2.650	94	67144	46.00	ug/l	99
6) Chloroethane	2.796	64	79095	46.83	ug/l	92
7) Trichlorofluoromethane	3.131	101	162918	47.95	ug/l	96
8) Diethyl Ether	3.534	74	64710	53.91	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.905	101	93947	48.74	ug/l	98
10) Methyl Iodide	4.094	142	104081	50.50	ug/l	98
11) Tert butyl alcohol	4.978	59	60532	268.48	ug/l	100
12) 1,1-Dichloroethene	3.875	96	91670	49.20	ug/l	99
13) Acrolein	3.735	56	61765	233.02	ug/l	100
14) Allyl chloride	4.485	41	190649	52.36	ug/l	98
15) Acrylonitrile	5.174	53	170467	283.29	ug/l	100
16) Acetone	3.960	43	145222	288.19	ug/l	99
17) Carbon Disulfide	4.198	76	269864	47.43	ug/l	98
18) Methyl Acetate	4.491	43	96279	59.91	ug/l	99
19) Methyl tert-butyl Ether	5.235	73	284943	55.61	ug/l	96
20) Methylene Chloride	4.729	84	129288	56.45	ug/l	99
21) trans-1,2-Dichloroethene	5.228	96	109719	51.83	ug/l	96
22) Diisopropyl ether	6.131	45	391187	55.86	ug/l	97
23) Vinyl Acetate	6.070	43	1425524	271.05	ug/l	99
24) 1,1-Dichloroethane	6.027	63	214339	54.39	ug/l	100
25) 2-Butanone	6.996	43	259941	290.35	ug/l	98
26) 2,2-Dichloropropane	6.990	77	159610	46.37	ug/l	98
27) cis-1,2-Dichloroethene	6.996	96	126629	53.87	ug/l	98
28) Bromochloromethane	7.344	49	110839	57.58	ug/l	99
29) Tetrahydrofuran	7.356	42	163722	286.68	ug/l	99
30) Chloroform	7.515	83	209373	53.93	ug/l	97
31) Cyclohexane	7.789	56	170518	46.95	ug/l	98
32) 1,1,1-Trichloroethane	7.710	97	180000	51.73	ug/l	99
36) 1,1-Dichloropropene	7.923	75	159592	47.53	ug/l	99
37) Ethyl Acetate	7.082	43	122310	53.16	ug/l	99
38) Carbon Tetrachloride	7.905	117	145130	48.09	ug/l	99
39) Methylcyclohexane	9.185	83	171223	46.76	ug/l	99
40) Benzene	8.167	78	476976	50.25	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	65023m	51.72	ug/l	
42) 1,2-Dichloroethane	8.240	62	151631	50.58	ug/l	100
43) Isopropyl Acetate	8.283	43	226454	53.02	ug/l	99
44) Trichloroethene	8.941	130	124073	48.63	ug/l	97
45) 1,2-Dichloropropane	9.222	63	129289	52.07	ug/l	100
46) Dibromomethane	9.307	93	70609	51.13	ug/l	98
47) Bromodichloromethane	9.502	83	167805	51.23	ug/l	99
48) Methyl methacrylate	9.295	41	104766	53.90	ug/l	98
49) 1,4-Dioxane	9.307	88	16379	1007.30	ug/l	87
51) 4-Methyl-2-Pentanone	10.075	43	621702	270.53	ug/l	99
52) Toluene	10.246	92	299991	50.06	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	180355	49.70	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	199217	49.34	ug/l	99
55) 1,1,2-Trichloroethane	10.648	97	98153	51.65	ug/l	99
56) Ethyl methacrylate	10.514	69	150037	54.59	ug/l	98
57) 1,3-Dichloropropane	10.794	76	177093	52.41	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	369113	260.19	ug/l	99
59) 2-Hexanone	10.837	43	430106	276.20	ug/l	98
60) Dibromochloromethane	10.990	129	115503	51.11	ug/l	99
61) 1,2-Dibromoethane	11.093	107	95627	52.19	ug/l	98
64) Tetrachloroethene	10.721	164	133596	48.90	ug/l	98
65) Chlorobenzene	11.514	112	313683	50.41	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	116323	51.42	ug/l	99
67) Ethyl Benzene	11.593	91	582541	50.39	ug/l	100
68) m/p-Xylenes	11.703	106	430824	99.17	ug/l	99
69) o-Xylene	12.032	106	205475	50.61	ug/l	99
70) Styrene	12.044	104	355939	52.29	ug/l	99
71) Bromoform	12.209	173	71761	52.36	ug/l #	100
73) Isopropylbenzene	12.331	105	544559	49.81	ug/l	100
74) N-amyl acetate	12.142	43	205797	53.23	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.581	83	116224	53.27	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	77841m	50.57	ug/l	
77) Bromobenzene	12.611	156	125721	50.92	ug/l	99
78) n-propylbenzene	12.672	91	660951	49.54	ug/l	100
79) 2-Chlorotoluene	12.758	91	370359	50.58	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	456890	50.32	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	43763	49.29	ug/l	98
82) 4-Chlorotoluene	12.855	91	387399	50.95	ug/l	100
83) tert-Butylbenzene	13.075	119	384497	49.60	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	461564	50.78	ug/l	100
85) sec-Butylbenzene	13.251	105	561306	49.80	ug/l	99
86) p-Isopropyltoluene	13.367	119	484384	49.58	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	237276	49.00	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	235796	49.42	ug/l	99
89) n-Butylbenzene	13.696	91	463552	48.53	ug/l	100
90) Hexachloroethane	13.959	117	71239	51.77	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	216418	50.66	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	20559	50.43	ug/l	96
93) 1,2,4-Trichlorobenzene	15.007	180	131612	47.83	ug/l	99
94) Hexachlorobutadiene	15.111	225	69929	46.91	ug/l	99
95) Naphthalene	15.233	128	317464	53.31	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	119551	49.09	ug/l	99

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

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