2019-08-22-hatch-ph-standards

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Contents

```
'data.frame':
                   69 obs. of 8 variables:
   $ source
                    : Factor w/ 30 levels "2019-08-13-hatch-ph-measurements-chamber-co2-all.csv",..:
                     : Factor w/ 5 levels "2019-08-13", "2019-08-14", ...: 1 1 1 1 1 1 1 1 1 1 1 ...
##
   $ date
   $ CO2.atmo
                    : Factor w/ 2 levels "chamber", "laboratory": 1 1 1 1 1 1 1 1 1 1 ...
##
   $ water.soil.ratio: Factor w/ 5 levels "","1-to-1","1-to-2",..: 1 1 1 1 1 1 1 1 1 1 1 ...
                 : Factor w/ 4 levels "aceticacid", "carbonate", ..: 3 3 3 3 3 3 3 3 3 ...
##
  $ sample
##
   $ pH
                     : num 7.39 6.47 6.22 6.15 6.14 6.05 6.04 6.02 6 5.93 ...
   $ time
                    : Factor w/ 45 levels "","09:22","09:52",...: 6 8 11 12 14 15 18 21 24 26 ...
##
                     : num 4.07e-08 3.39e-07 6.03e-07 7.08e-07 7.24e-07 ...
  $ uncolog.pH
       2019-08-13
                      2019-08-14
                                      2019-08-19
   8
   7
   6
   5
                                                    sample
   4
                                                         aceticacid
         carbonate
```

standard

tapwater



