



Dissolved organic matter (DOM) from three different geographical locations

Rudraksha Dutta Majumdar, PhD, 2016

Physical and Environmental Sciences Department | University of Toronto, Scarborough

Field strength: 11.74 T

Why is this your favorite spectrum?

These are the expansion of the carbohydrate region of HSQC spectra of three DOM samples, clearly showing very specific differences (lack/presence of lignin), which can be traced back to the source conditions of these samples. This is one of those many examples where NMR spectra can be striking works of art if presented the right way. A friend said these also look like puppies – Bichon, Scottish terrier, Shih Tzu – in that order, so there's that.