Electronic Supplementary Material (ESI) for Physical Chemistry Chemical Physics.

Electronic supplementary information

Interaction of water with oligo(ethylene glycol) terminated monolayers: wetting versus hydration

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1. Integral TPD signal

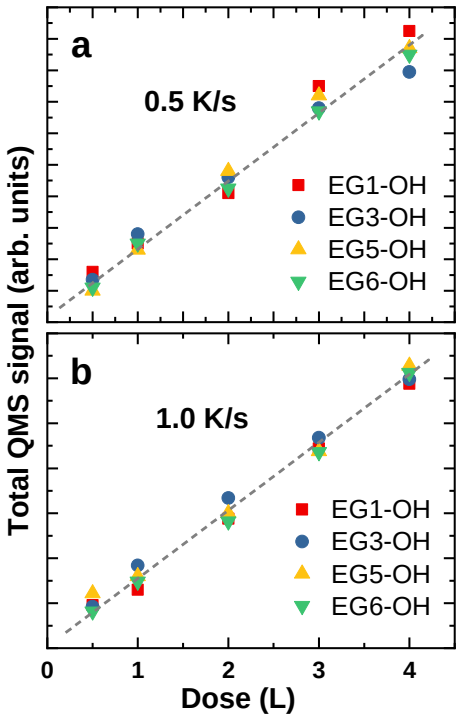

Figure S1. Integral TPD signal for the EGn-OH (*n* = 6, 5, 3, and 1) SAMs as a function of the D_2O dose. The heating rate was set to 0.5 K/s (a) and 1.0 K/s (b). The legend is given in the figure. The gray dashed lines are guides for the eyes, to underline the linearity of the coverage-vs-dose dependence.

2. Additional TPD data

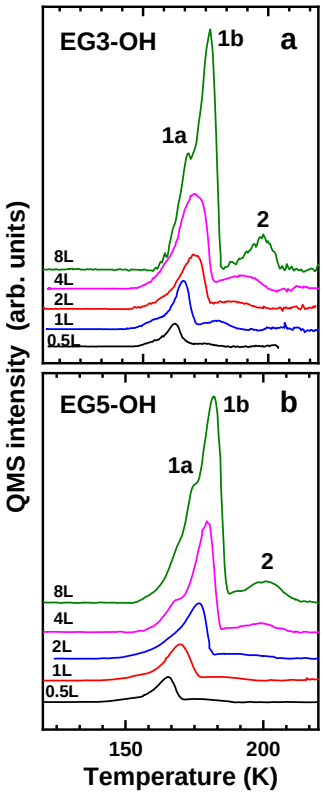

Figure S2. TPD traces for various doses of D_2O deposited at ~110 K onto the surface of the EG3-OH (a) and EG5-OH (b) SAMs. The heating rate was set to 0.5 K/s. The D_2O doses are marked at the respective curves. Individual desorption peaks are marked by numbers (see the main manuscript for details).

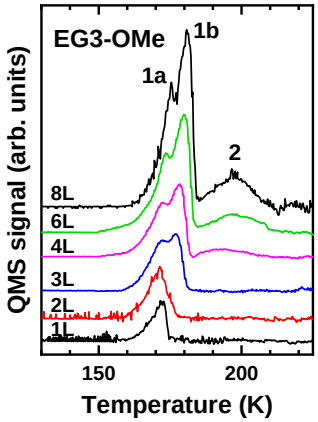

Figure S3. TPD traces for various doses of D_2O deposited at ~110 K onto the surface of the EG3-OMe SAMs. The heating rate was set to 0.3 K/s. The D_2O doses are marked at the respective curves. Individual desorption peaks are marked by numbers (see the main manuscript for details).