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Supplementary material for

Measuring dissolved organic matter in estuarine and marine waters: size-exclusion chromatography with various detection methods

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This additional material contains a table (Table S1) showing the intercomparison of the aromaticity measured for two humic type standards and a figure (Figure S1) showing the salt interference on the three detectors (carbon, nitrogen and UV) as well as the correction applied to overcome the salt effect for the integration of a carbon chromatogram.

Table S1: Aromaticities (SAC/OC) measured in this study for two humic-type standards: Suwannee River Humic Acid (SRHA) and Suwannee River Fulvic Acid (SRFA). The values are compared with those measured by Huber et al. 2011.

	This study	**Huber et al. 2011**
SRHA 1S101H	8.1 ± 0.4 L mgC^{-1} m^{-1}	7.8* L mgC^{-1} m^{-1}
SRFA 1S101F	4.9 ± 0.2 L mgC^{-1} m^{-1}	4.6* L mgC^{-1} m^{-1}

*Uncertainty is unknown

Figure S1: (a) LC-OCD-UVD-OND chromatograms of organic nitrogen (OND, green line), UV (UVD, blue line) and organic carbon (OCD, black line) for 1 : irradiated coastal sea water (1) ; 2 : deionized ultrapure laboratory water irradiated with 35g L^{-1} NaCl (NaCl UP-water) and 3 : irradiated UP-water. **(b)** OCD chromatograms of a natural coastal sea water (black line), the same irradiated sea water (red line) and the difference between the non-irradiated and irradiated organic carbon signals (green line).