



Supplementary Material

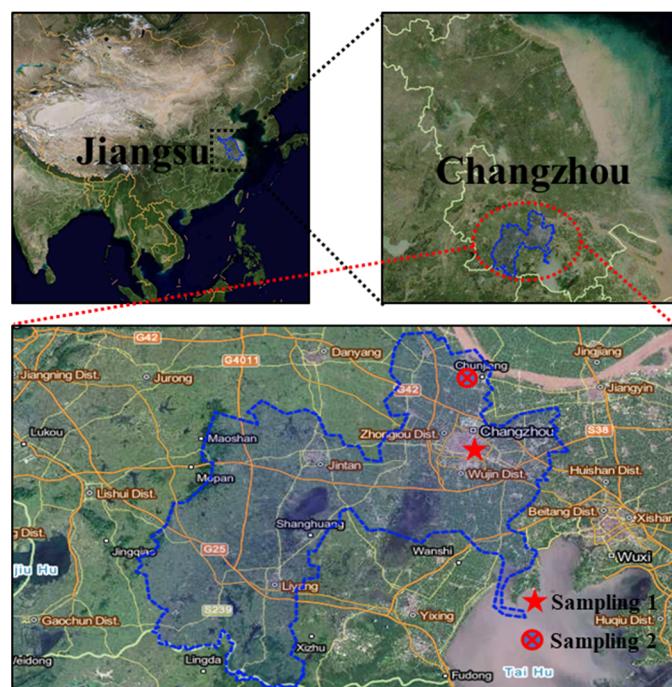


Figure S1. Location of two sampling sites in Changzhou.

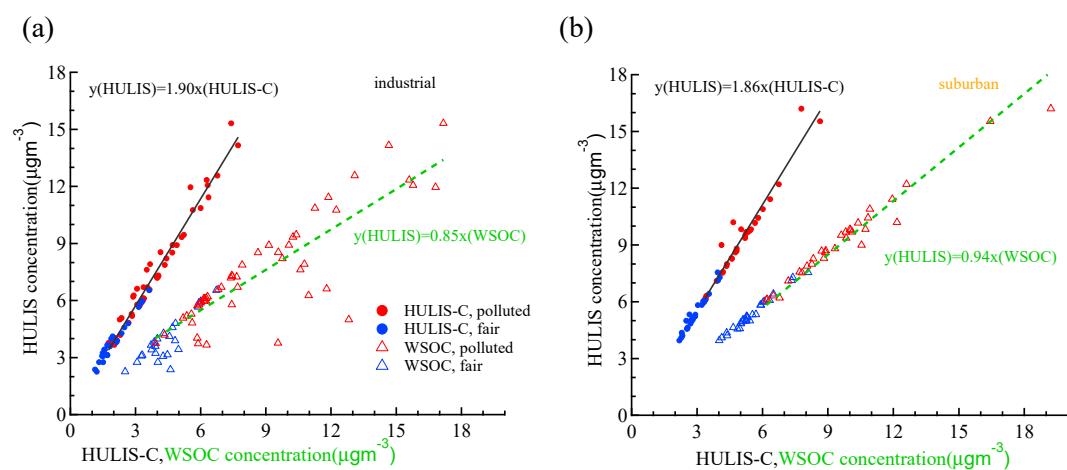


Figure S2. Linear regressions of HULIS with HULIS-C and WSOC at (a) suburban site and (b) industrial region.

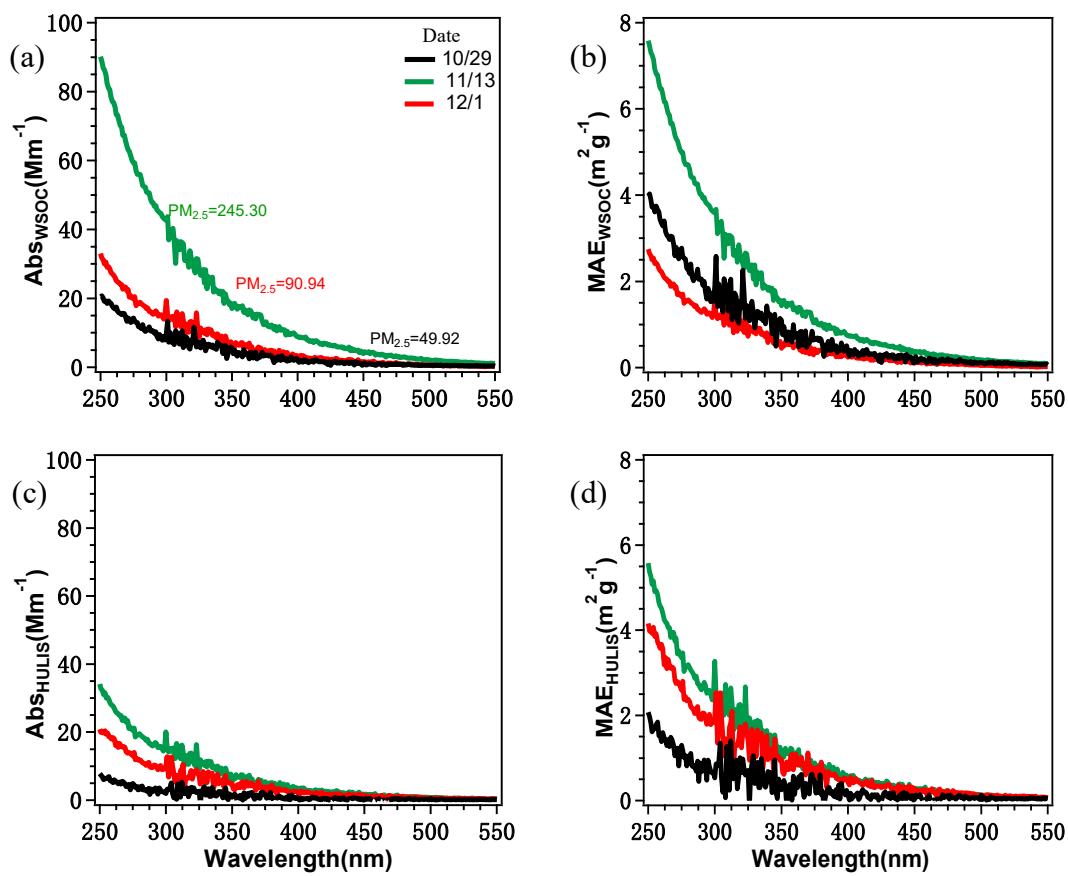


Figure S3. Wavelength-dependence of the Abs and MAE of WSOC and HULIS in suburban region.

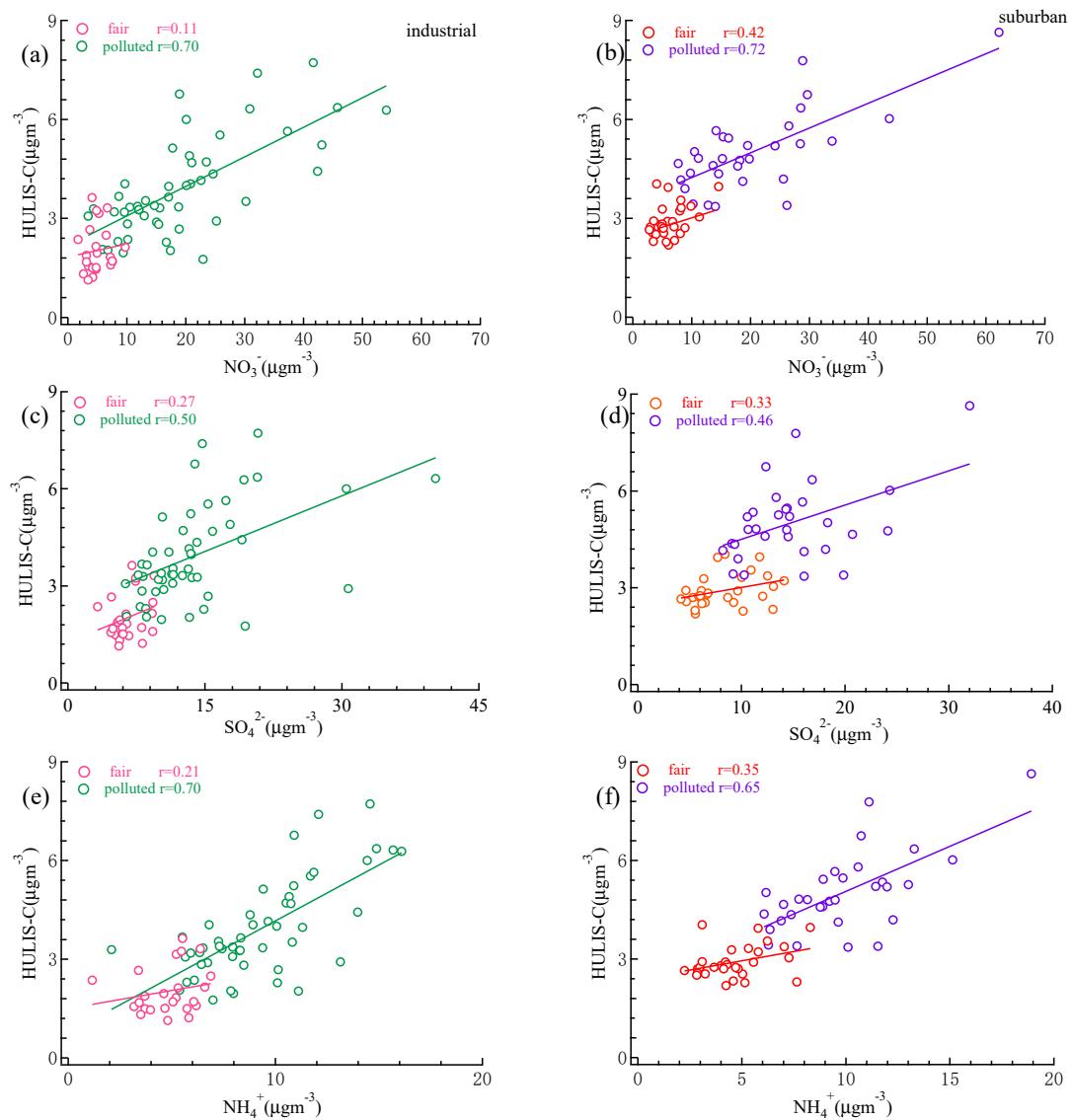


Figure S4. Correlations between HULIS-C with (a-b) NO_3^- , (c-d) SO_4^{2-} , and (e-f) NH_4^+ ions.

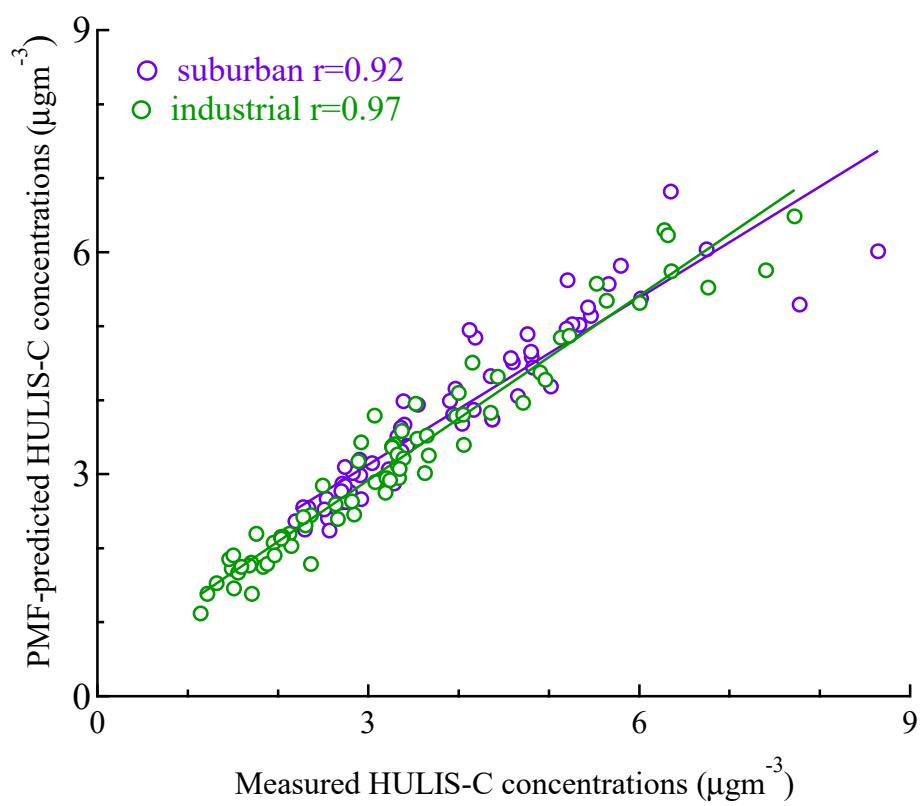


Figure S5. Relationship between PMF-predicted HULIS-C concentration and measured HULIS mass concentrations.