Supplementary material

Fluorescence quotient of excitation–emission matrices as a potential indicator of organic matter behavior in membrane bioreactors

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Fig. S1. Process flow of the full-scale MBR plant.

Fig. S2. Variation of membrane permeability (ratio of flux to trans-membrane pressure) and liquid temperature during the sampling period (~6 months). The 8 times of samplings are labelled in order in the figure.
**Fig. S4.** Statistically significant regions for positive and negative FQs between different kinds of organic matter from another full-scale MBR plant, according to Wilcoxon signed rank test. The plant had a capacity of 35000 m³/d treating municipal wastewater in Beijing. Its process was also anaerobic/anoxic/aerobic-MBR, which was equipped with two types of 0.1-µm PVDF hollow fiber membrane modules. The plant had been stably operated for over two years with a total HRT of ~40–41 h and an SRT of ~25–30 d.