

1 Supplementary material-

2 Microfiltration process for surface water treatment: Irreversible 3 fouling identification and chemical cleaning

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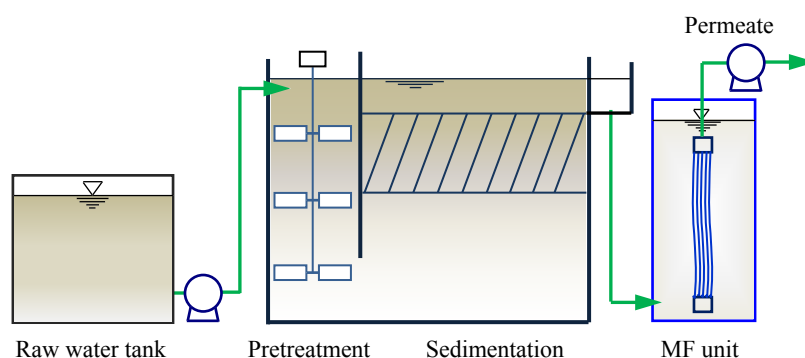
Fig. S8. Fractions of different waters fractionated by adsorbent resins

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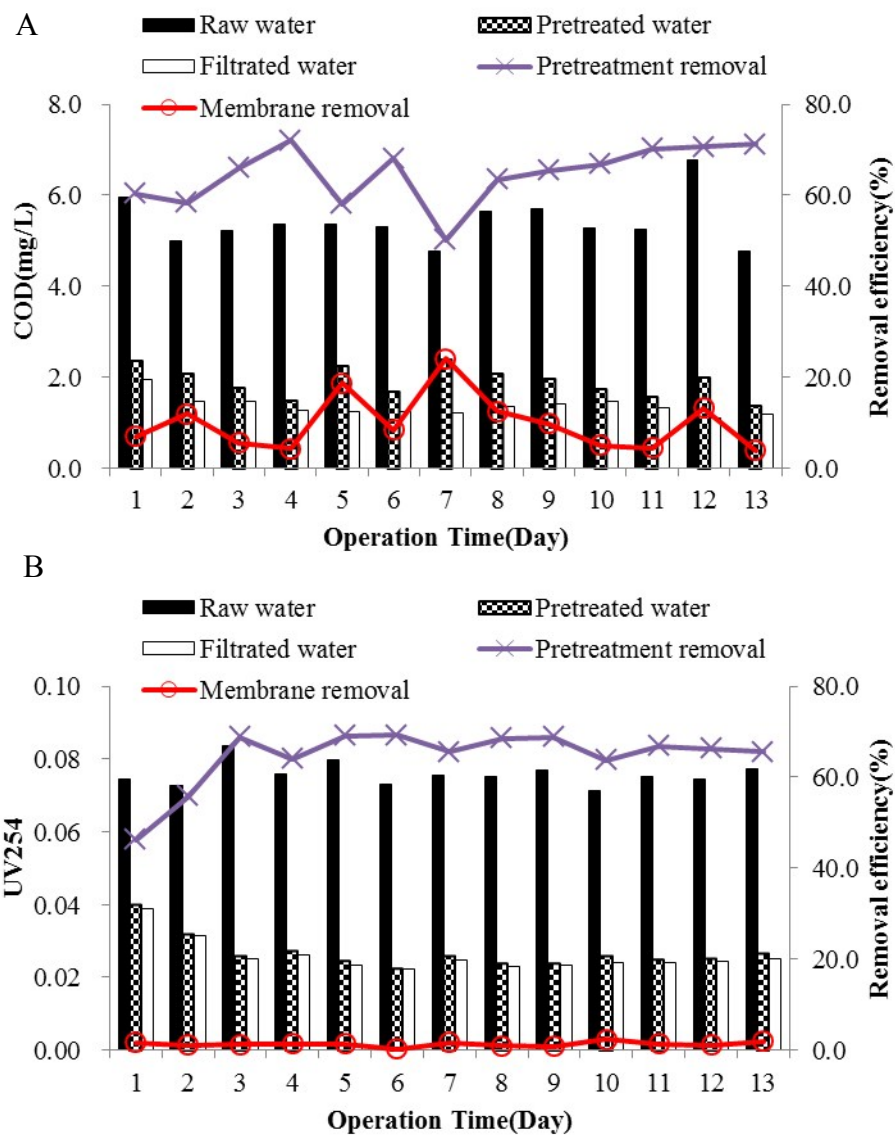


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10 **Fig. S1. Schematic diagram of the MF set-up**

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2 **Fig. S2. Removal of COD_{Mn} (a) and UV254 (b) by hybrid membrane process**

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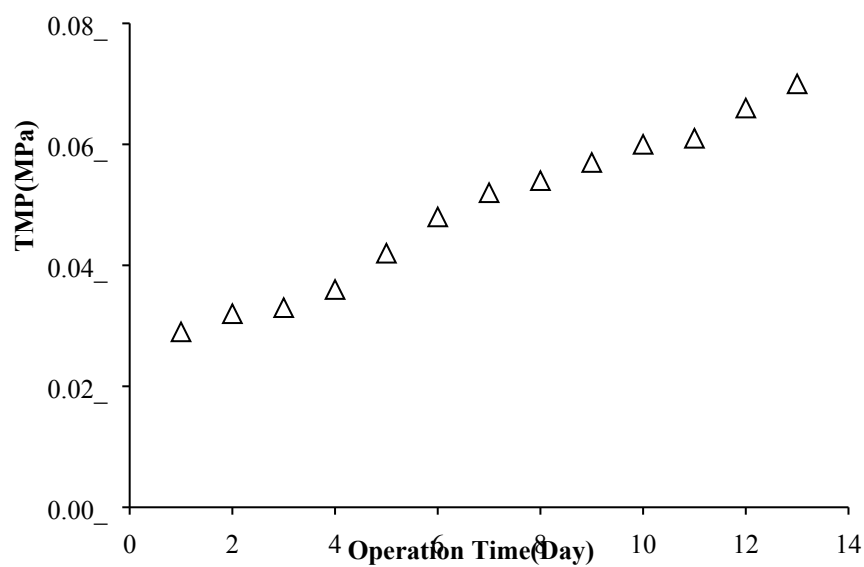


Fig. S3. TMP changes with operating time extension

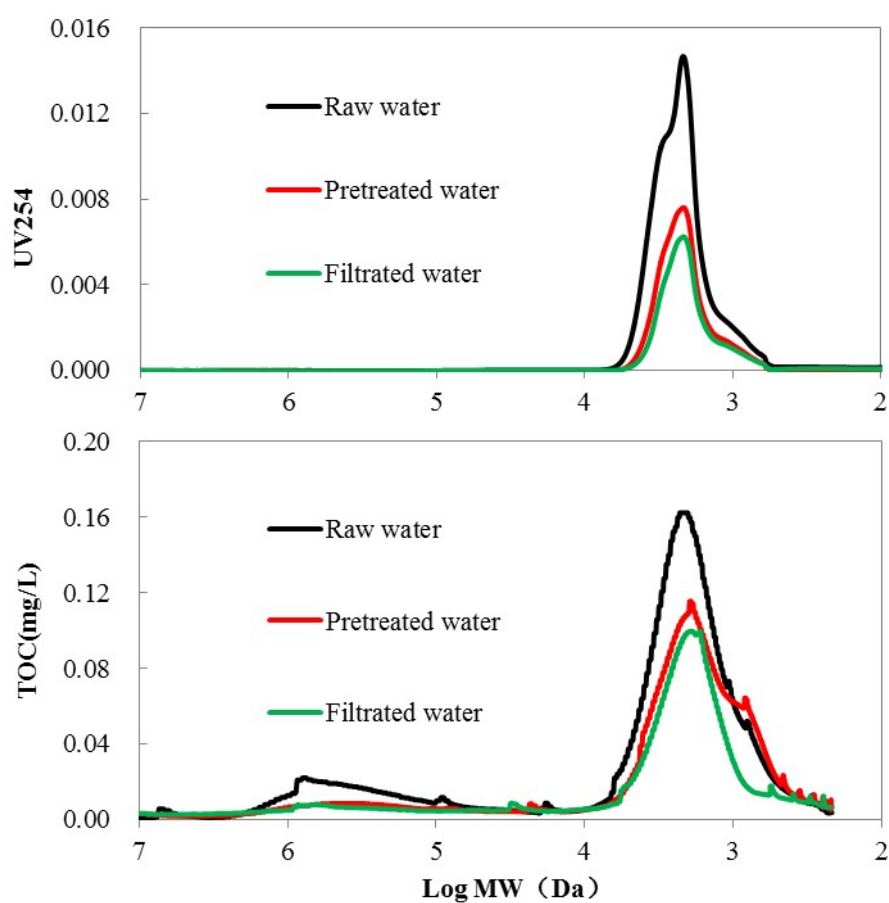


Fig. S4. MW distribution of raw, pretreated and filtrated waters

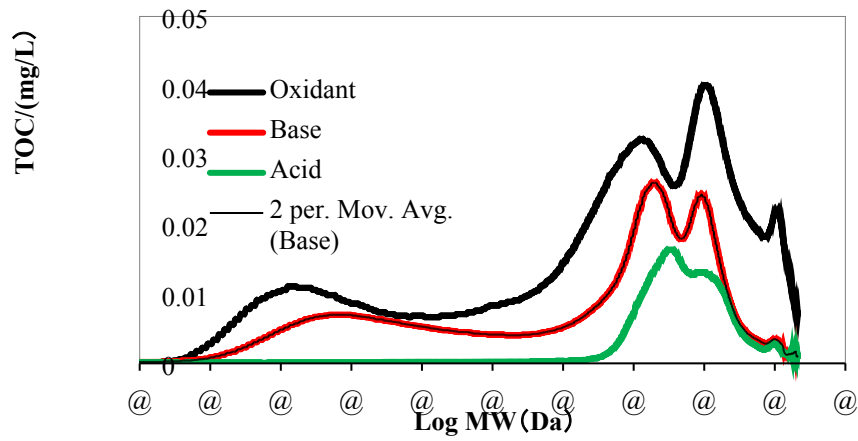


Fig. S5. MW distribution of extracted foulants

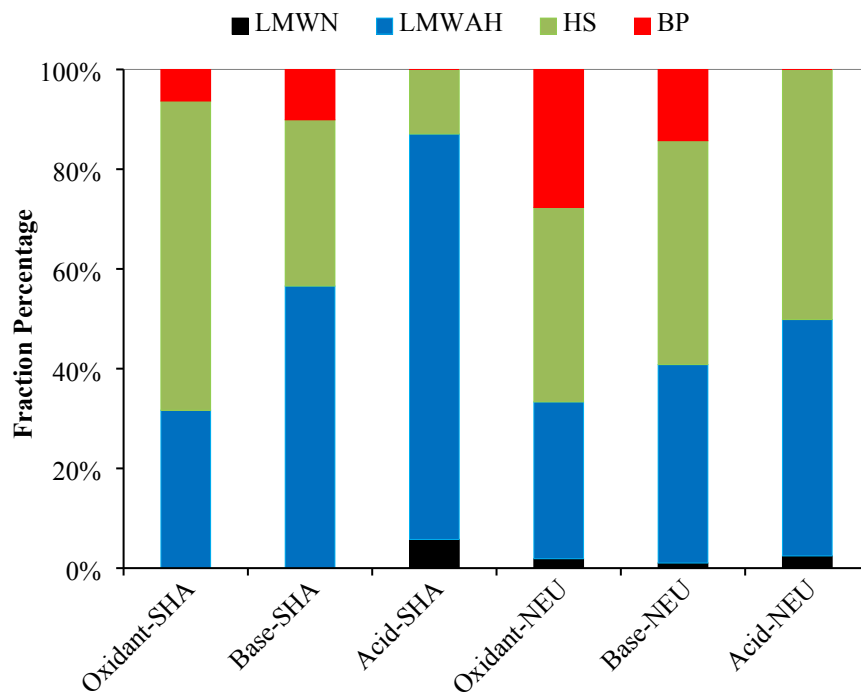


Fig. S6. MW component percentage of SHA and NEU fractions in extracted foulants

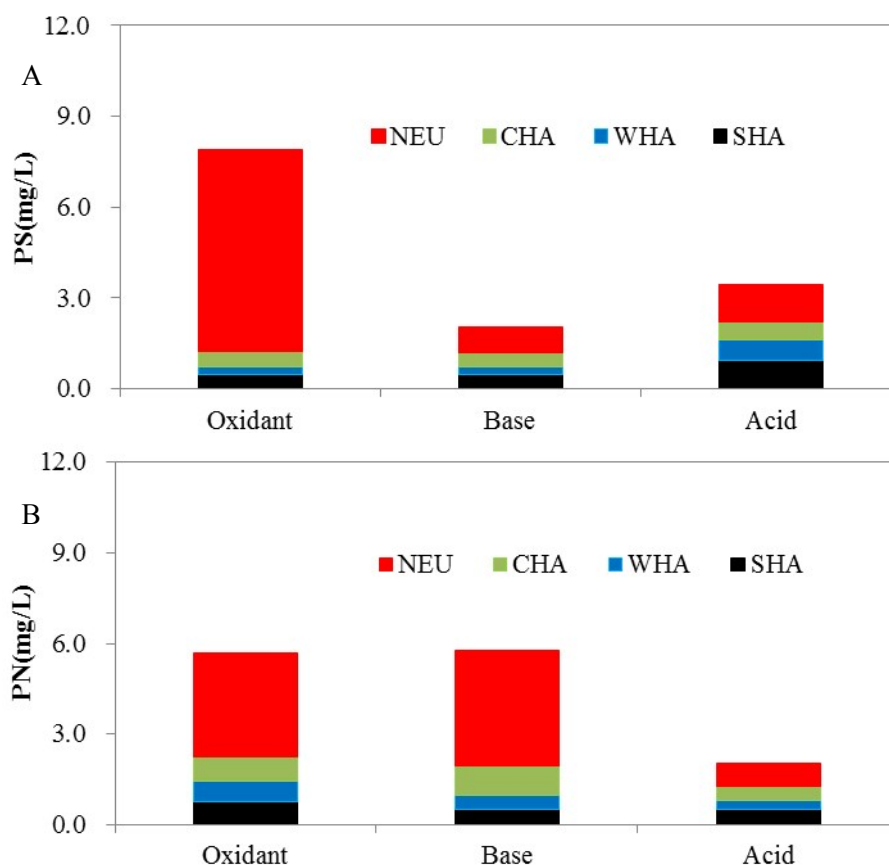


Fig. S7. PS (a) and PN (b) contents of each fraction in cleaning solutions

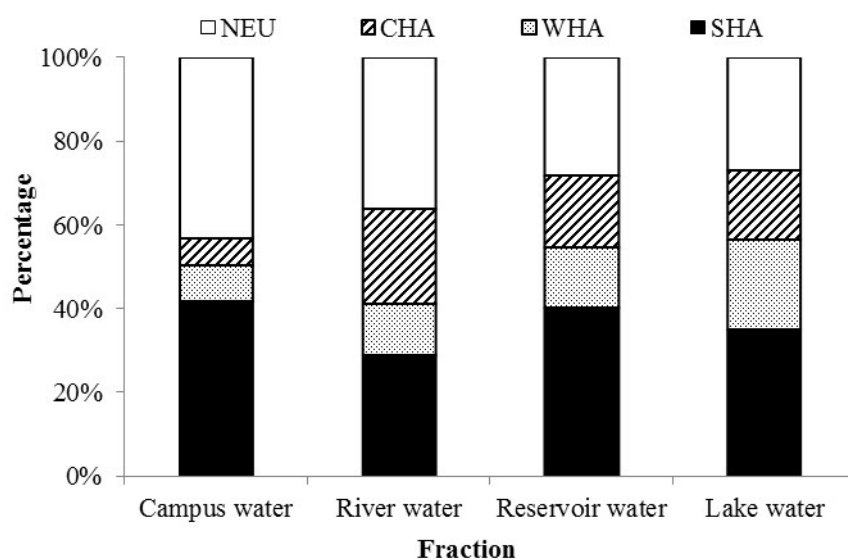
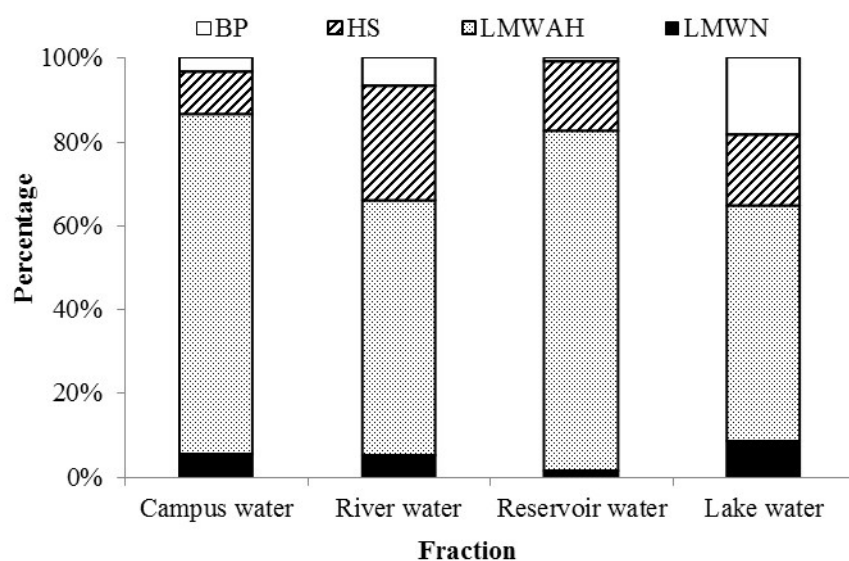


Fig. S8. Fractions of different waters fractionated by adsorbent resins

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3 **Fig. S9. Components of different waters determined by LC-OCD with peak-**
4 **fitting**

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