

# Removal of organics by Ion-exchange resins (IEX) from Reverse Osmosis Concentrate

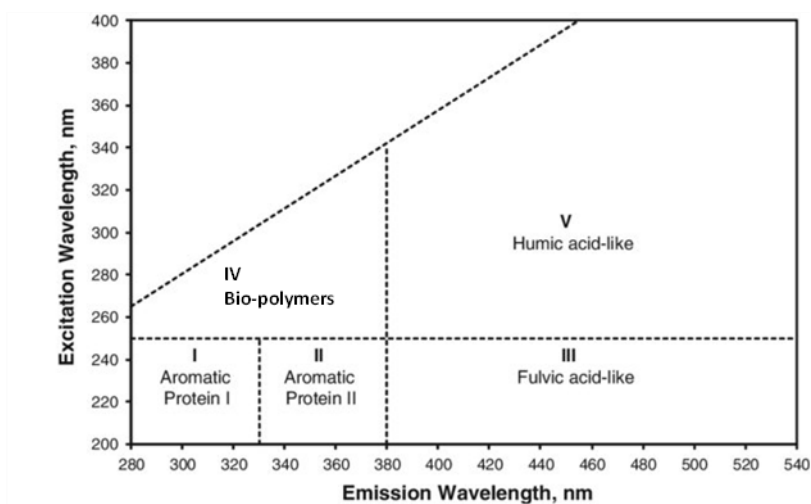
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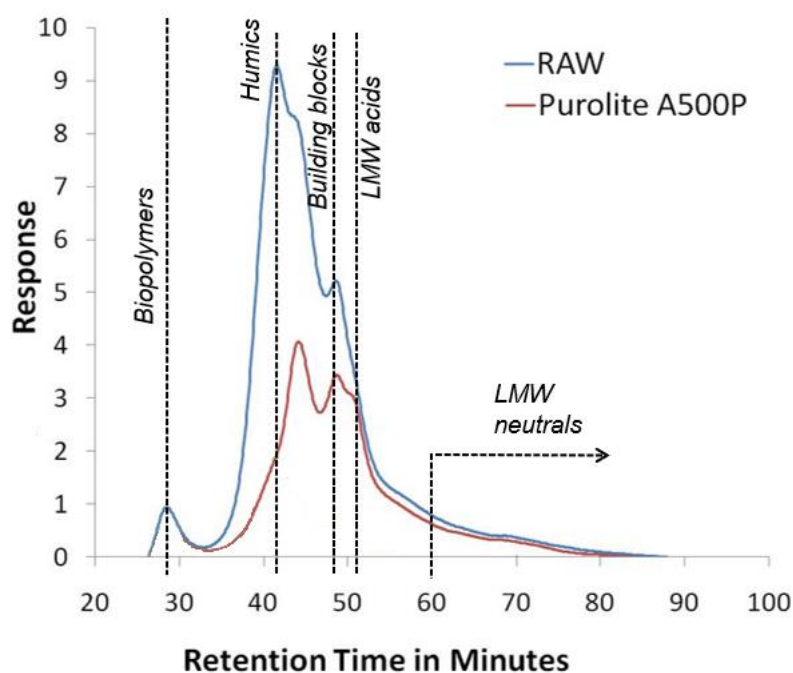
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**Figure S1.** Five major EEM fluorescence regions (adapted from Chen et al. (28))



**Figure 2.** Sample LC OCD spectra showing different organic fractions

**Table S1.** Five major regions in EEM fluorescence spectra (28)

Region	Chemical composition of organic matter
I (P1): Ex:Em 200-250:280-330	lower molecular weight tyrosine-like aromatic amino acids
II (P2): Ex:Em 200-250:330-380	low molecular weight aromatic proteins and BOD-type substances
III (FA): Ex:Em 200-250:380-500	fulvic acid type substances)
IV(SMP): Ex:Em 250-340:280-380	large molecular weight peptides and proteins (microorganism related by-products
V(HA): Ex:Em 250-500:380-500	humic acid type substances