Supporting Information

Removal of Sulfadiazine by Polyamide Nanofiltration Membranes: Measurement, Modeling, and Mechanisms

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The "model" fixed charge distribution expressions:

Equation S1. NF90:

$$C_{Loc}(\overline{x}) = -83.4\left(-1 + \frac{2}{1 + \exp\left(10(\overline{x} - 0.65)\right)}\right) - 2.1 \tag{1}$$

Equation S2. NF270:

$$C_{Loc}(\overline{x}) = -76.5\left(-1 + \frac{2}{1 + \exp\left(10(\overline{x} - 0.7)\right)}\right) - 36.8 \tag{2}$$

Equation S3. VNF2-8040:

$$C_{Loc}(\overline{x}) = -55\left(-1 + \frac{2}{1 + \exp\left(12(\overline{x} - 0.56)\right)}\right) - 24.3 \tag{3}$$

Equation S4. TMN20H-400:

$$C_{Loc}(\overline{x}) = -68.8\left(-1 + \frac{2}{1 + \exp\left(13(\overline{x} - 0.68)\right)}\right) - 17.6 \tag{4}$$