

Supplementary Information

Development of novel charged surface modifying macromolecules blended PES membranes to remove EDC and PPCPs from drinking water sources

Dipak Rana ^{a, *}, Roberto M. Narbaitz ^b, Anne-Marie Garand-Sheridan ^{b, †},
Amy Westgate ^{b, †}, Takeshi Matsuura ^a, Shahram Tabe ^c and Saad Y. Jasim ^{d, ‡}

^a *Dept. of Chemical and Biological Eng., University of Ottawa, 161 Louis Pasteur Pv., Ottawa, ON, K1N 6N5, Canada*

Tel.: +1-613-562-5800 x 6085; fax: +1-613-562-5172.

E-mails: rana@uottawa.ca; rana@eng.uottawa.ca

^b *Dept. of Civil Eng., University of Ottawa, 161 Louis Pasteur Pv., Ottawa, ON, K1N 6N5, Canada*

^c *Standards Development Branch, Ministry of the Environment, 40 St. Clair Ave. West, Toronto, ON, M4V 1M2, Canada*

^d *Walkerton Clean Water Centre, 220 Trillium Court, Walkerton, ON, N0G 2V0, Canada*

[†] *Present address: Industry Canada, Patent Branch - General Chemistry and Organic Division,*

50 Victoria Street, Gatineau, Quebec, K1A 0C9, Canada

[‡] *Present address: SJ Environmental Consultants (Windsor) Inc., 982 Grantham CT., Windsor, Ontario, N9G 2S9, Canada*

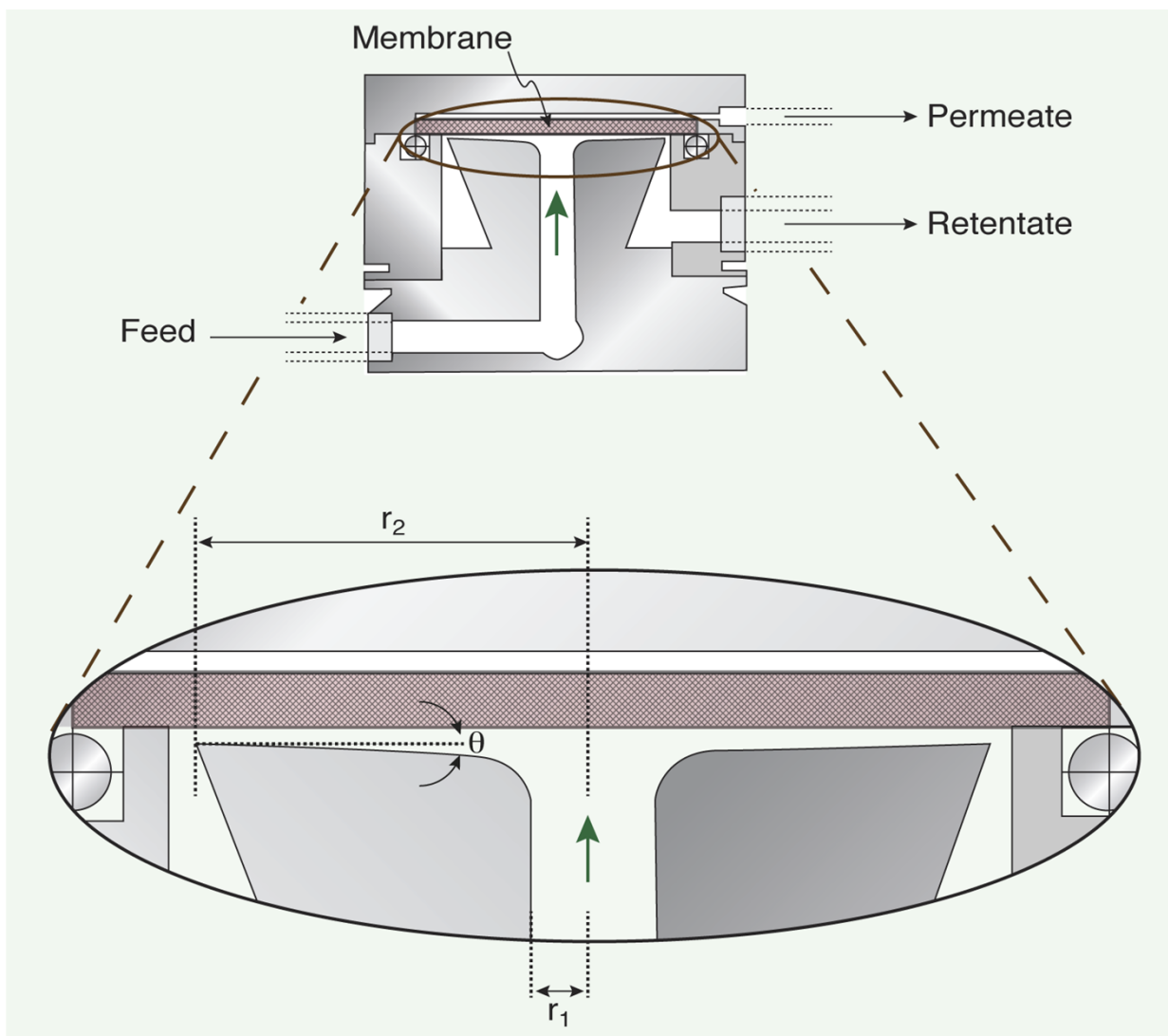


Fig. S1. (A) Cross sectional diagram of the ultrafiltration cells used.

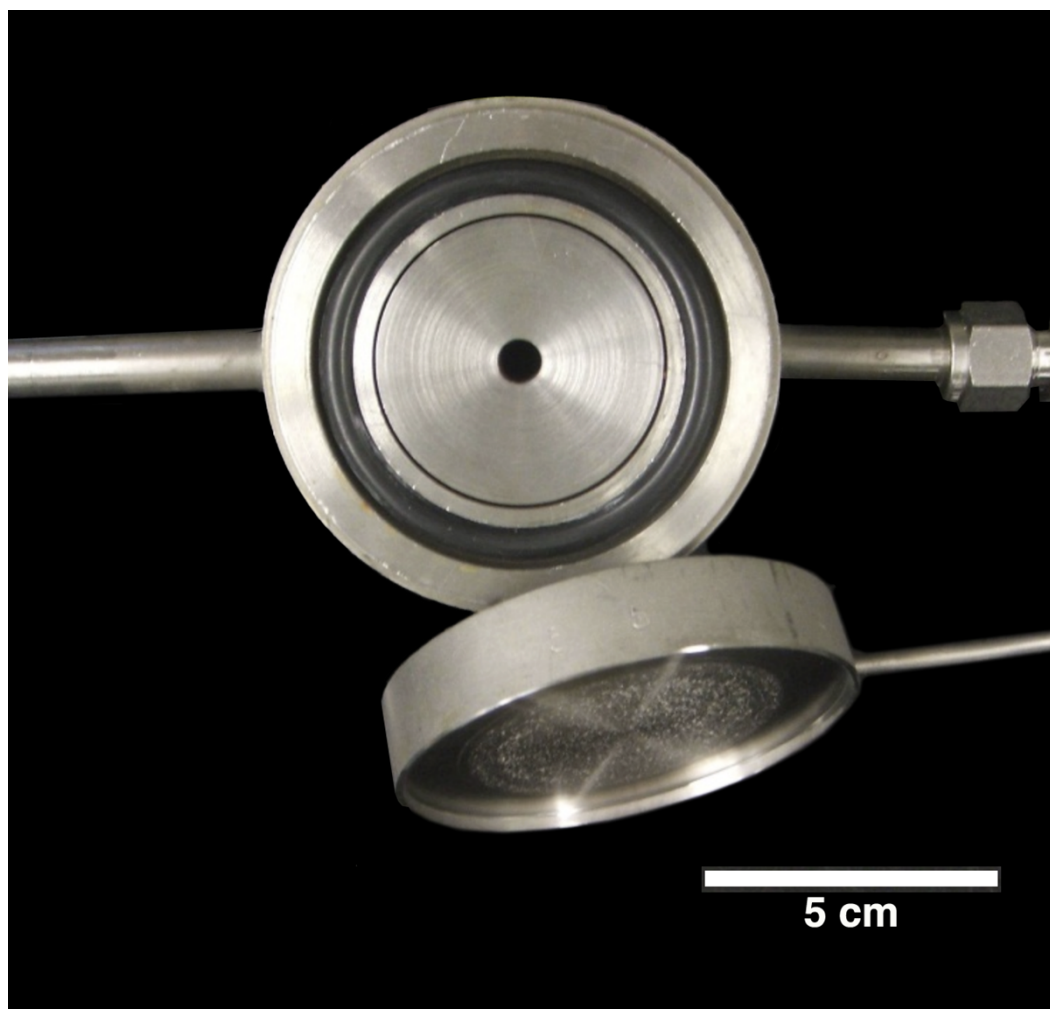


Fig. S1. (B) Photograph of the ultrafiltration cells used.

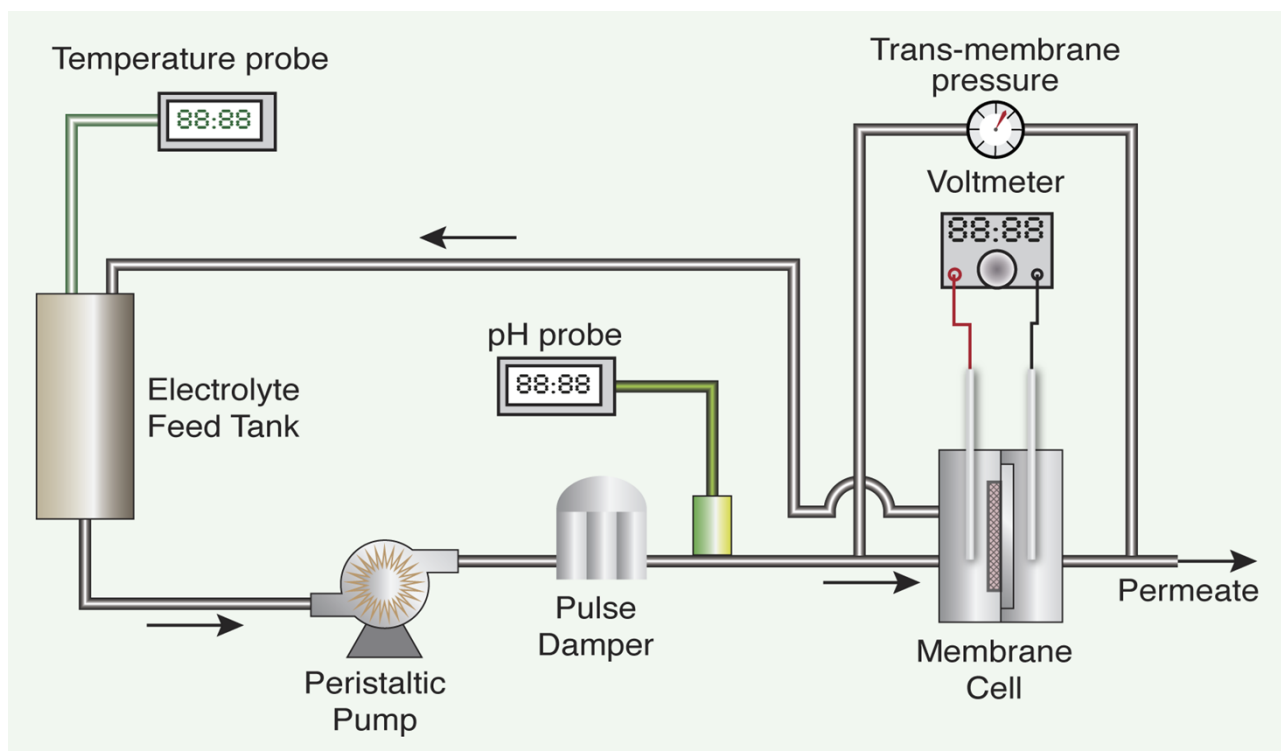


Fig. S2. (A) Experimental set-up for streaming potential determination.

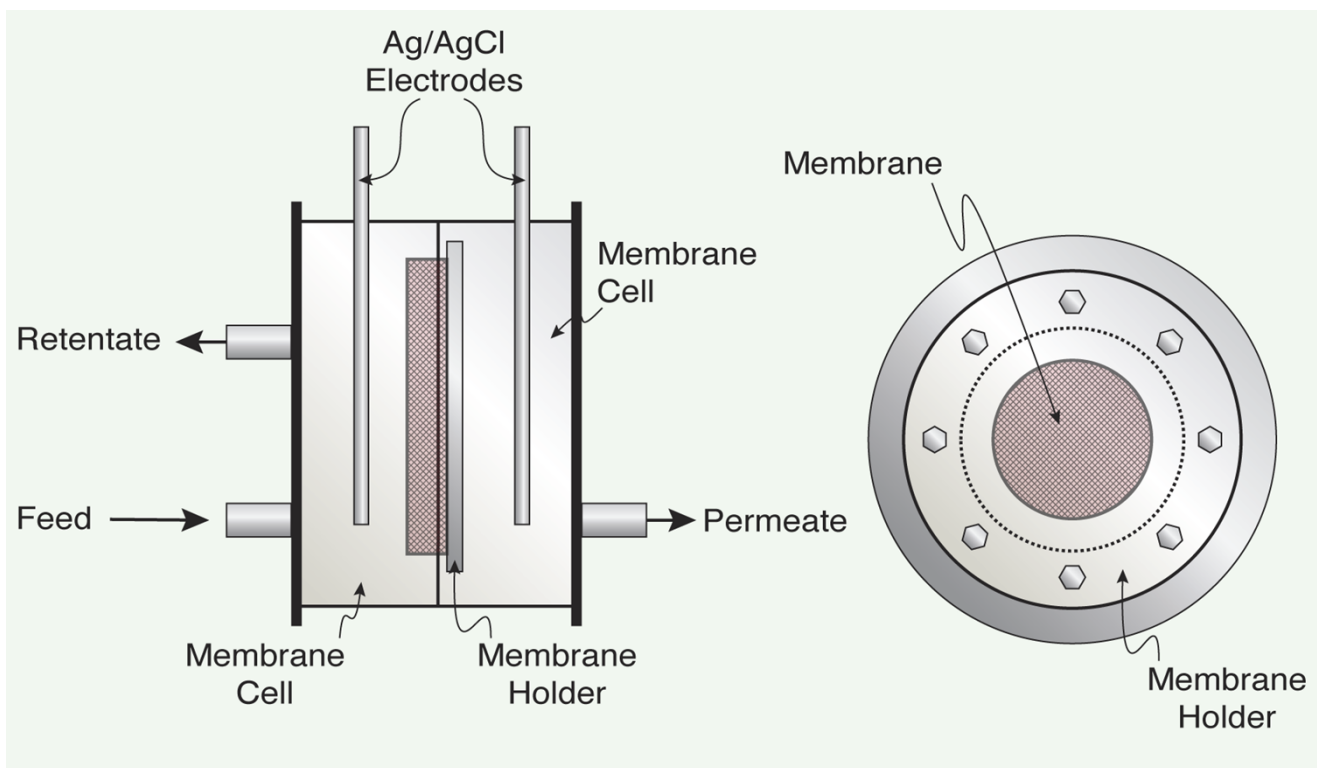


Fig. S2. (B) Diagram of zeta potential cell with holder.