

**Figure S1** Langmuir adsorption isotherms for the adsorption of (a) salicylic acid and (b) mefenamic acid onto HXL poly(AN-*co*-EGDMA-*co*-VBC) (HP4), poly(AN-*co*-EGDMA-*co*-VBC) (P4), and poly(AN) (P1).



**Figure S2** Freundlich adsorption isotherms for the adsorption of (a) salicylic acid and (b) mefenamic acid onto HXL poly(AN-*co*-EGDMA-*co*-VBC) (HP4), poly(AN-*co*-EGDMA-*co*-VBC) (P4), and poly(AN) (P1).



**Figure S3** Application of pseudo-first-order model for the kinetic data of (a) salicylic acid and (b) mefenamic acid.



**Figure S4** Application of pseudo-second-order model for the kinetic data of (a) salicylic acid and (b) mefenamic acid.