Electronic Supplementary Material (ESI)

Design and controllable synthesis of ethylenediamine-grafted ion imprinted magnetic polymers for highly selective adsorption to perchlorate

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Fig. S1 Pseudo-first-order fitting results for the adsorption kinetic data on the adsorption of ClO_4^- by nFe₃O₄@NIP-D-0.5-G8 (a), nFe₃O₄@IIPs (with DVB varied (b)-(e))



Fig. S2 Pseudo-second-order model fitting results for the adsorption kinetic data on the adsorption of ClO_4^- by nFe₃O₄@NIP-D-0.5-G8 (a), nFe₃O₄@IIPs (with DVB varied (b)-(e))



Fig. S3 Langmuir adsorption model fitting results for the adsorption capacities data on the adsorption of ClO_4^- by nFe₃O₄@NIP-D-0.5-G8 (a), nFe₃O₄@IIPs (with DVB varied (b)-(e))



Fig. S4 Freundlich adsorption model fitting results for the adsorption capacities data on the adsorption of ClO_4^- by nFe₃O₄@NIP-D-0.5-G8 (a), nFe₃O₄@IIPs (with DVB varied (b)-(e))