# Porous multifunctional fluoropolymer composite foams prepared via humic acid modified Fe3O4 Nanoparticles stabilized Pickering high internal phase emulsion using cationic fluorosurfactant as co-stabilizer

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Fig. S1 GPC plot of PDMAEMA macro-RAFT, and PDMAEMA-*b*-PHFBA (CFS)



Fig. S2 Openness curve behavior by varying nanoparticles concentration at constant CFS concentration.



Fig. S3 Adsorption/Regeneration Cycles of polyHIPE (sample 3) with DCM

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Fig. S4 (a) Magnetization curves of sample 6 (black) and sample 8 (red), and (b) Photographs of polyHIPEs with and without Fe3O4 nanoparticles