SUPPLEMENTAL MATERIAL TO:

Mechanistic insight into pyrene removal by natural sepiolites

Environmental Science and Pollution Research

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Fig. s1 X- Ray diffraction patterns of the B-Sep (a) and W-Sep (b)

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Fig. s2 FTIR spectra of the B-Sep and W-Sep

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Fig. s3 Differential thermal and thermogravimetric analysis curves of the B-Sep (a) and the W-Sep (b)

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Fig. s4 N₂ adsorption and desorption isotherms at -196°C for B-Sep (a) and W-Sep (b)

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Fig. s5-a SEM image and semi-quantitative (EDX) analysis of the B-Sep

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(b)

(b)

Fig. s5-b SEM image and semi-quantitative (EDX) analysis of the W-Sep

Fig. s6 Effects of initial pyrene concentration on the amount of pyrene adsorbed by sepiolite

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Fig. s7 Schematic representation of pyrene incorporated in the sepiolite external surface and within the tunnels and channels