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Supporting Information

Sorption of Phenanthrene on Nonhydrolyzable Organic Matter of Different Size Fractions of Sediments

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TABLE S1. Cross Polarization /Magic Angle Spinning (CP/MAS) ^{13}C NMR Spectra for the NHC Fractions^a

Sample	Alkyl 0-45 ppm	Methoxyl 45-63 ppm	Carbohydrate 63-93 ppm	Aryl 93-148 ppm	O-Aryl 148-165 ppm	Carboxyl 165-187 ppm	Carbonyl 187-220 ppm	Aliphatic 0-93 ppm	Aromatic 93-165 ppm
C08-3	30.1	4.6	7.3	44.4	5.0	6.5	2.1	42.0	49.4
C08-5	42.0	6.1	7.9	33.5	4.4	4.8	1.2	56.1	37.9
NR-3	20.7	5.2	7.5	54.2	5.9	5.8	0.7	33.4	60.1
NR-5	36.4	4.8	6.8	39.5	5.1	5.8	1.6	48.0	44.6

^a Functional groups for ^{13}C NMR are in percentage units.

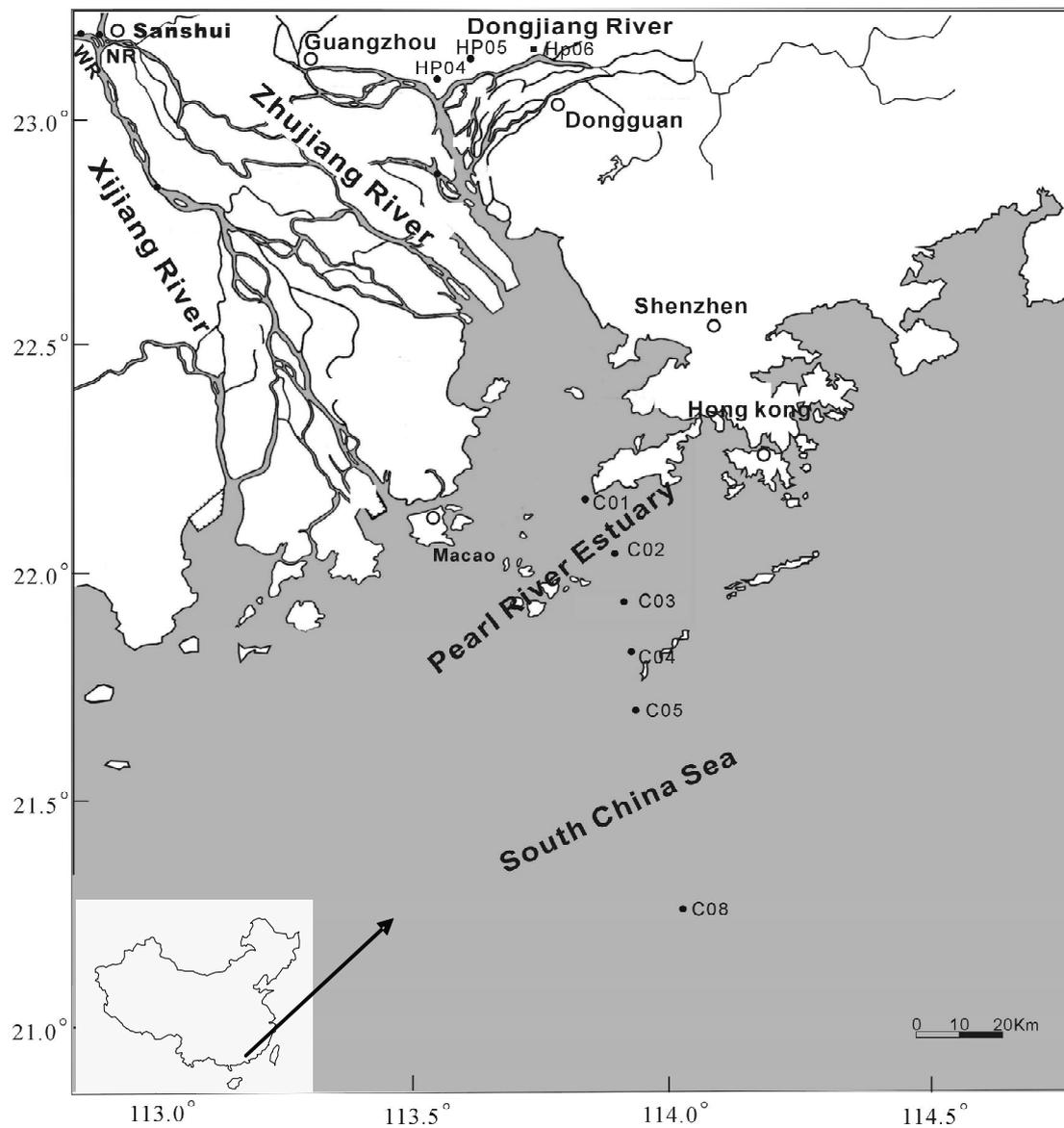


FIGURE S1. The sampling locations for the river sediment NR and the estuary sediment C08 in the Pearl River Delta and Estuary, China.

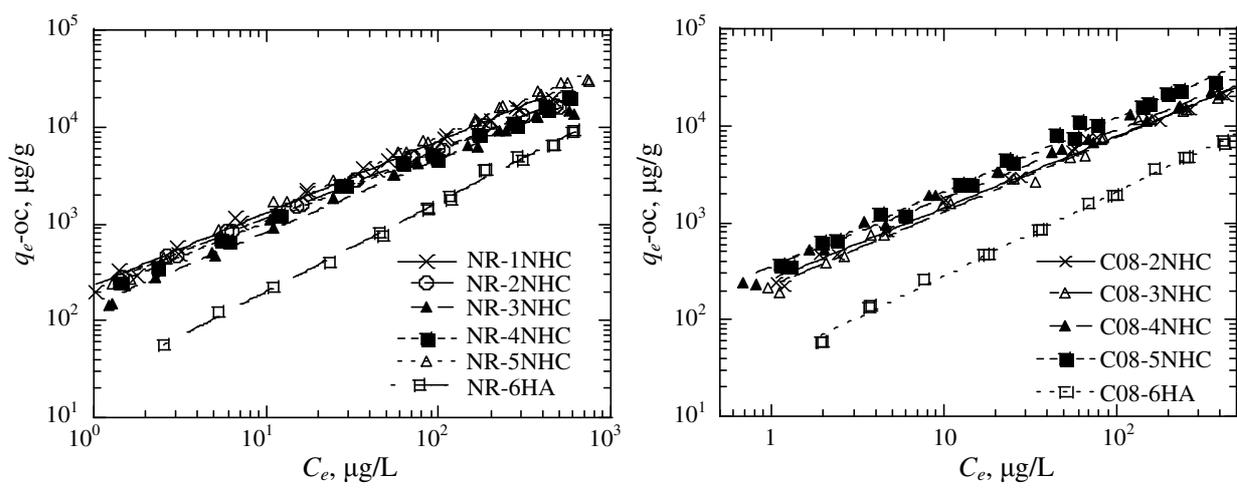


FIGURE S2. Sorption isotherms of Phen on the size NHC and HA fractions of NR and C08.