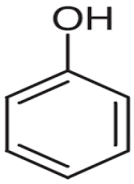
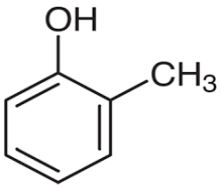
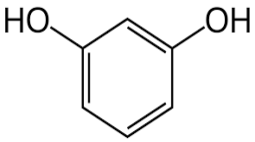
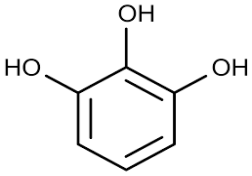
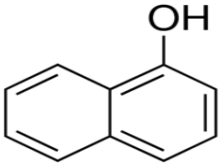
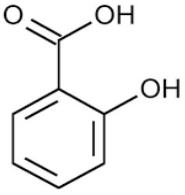
Table S1. Chemical structures and physicochemical values of some phenols

Compound	Formula	Structure	Molecular weight (g/mol)	pKa
Phenol	C_6H_6O		94.11	10.0
Cresol	C_7H_8O		108.14	10.28
Resorcinol	$C_6H_6O_2$		110.1	19.15
Hydroquinone	$C_6H_6O_2$		110.11	9.9
Pyrogallol	$C_6H_6O_3$		126.11	9.03
Naphthol	C_6H_8O		144.17	9.51
Salicylic acid (SA)	$C_7H_6O_3$		178.23	2.97

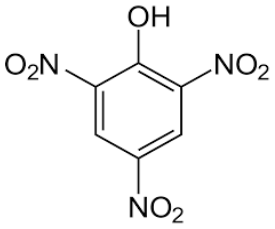
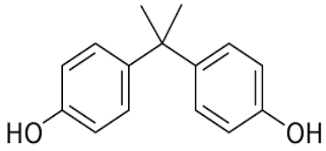
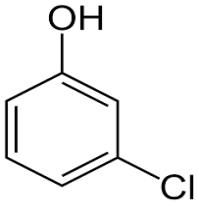
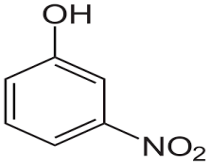
Picric acid (PA)	$C_6H_3N_3O_7$		229.1	0.38
Bisphenol A (BPA)	$C_{15}H_{16}O_2$		228.29	10.29
Chlorophenol (CP)	C_6H_5ClO		128.6	9.12
Nitrophenol (NP)	$C_6H_5NO_3$		139.10	7.15

Table S2. Various Solid-Phase Extraction Techniques Reported on Determination of Phenols

Clay	Analyte	Mode of extraction	Sample	Instrument	LOD (ug/L)	LOQ (ug/L)	Recovery (%)	Ref
4-butylaniline-modified attapulgite	BPA	SPE	river	HPLC	3.9	11.4	93 - 97	[1]
polyethyleneimine-modified attapulgite	*p*-CP 2,6-DCP 2,4,6-TCP	SPE	river	HPLC	0.08 - 0.56	0.27-1.88	84.4 - 96.8	[2]
magnetic montmorillonite	BPA,	MSPE	Sewage sludge	HPLC	5.1 - 8.6	16.9 – 29.2	84.3 - 98.2	[3]
hydrophobic magnetic montmorillonite	BPA	MSPE	Well water Wastewater River water	HPLC-UV	0.15	0.35	95.3 - 98.2	[4]
(OMMT-Fe3O4@PSF)	4-CP 2-CP	MSPE	Natural water wastewater	HPLC-UV	0.17 - 0.22	1.07 – 1.52	90.9 - 115	[5]
Montmorillonite/epoxy	4-CP 2,4-DCP 2,4,6-TCP	MS-SBSE	Well water Wastewater	HPLC-DAD	0.02 - 0.34	0.06-0.92	88.0 - 98.3	[6]
polyaniline/montmorillonite	4-CP 2,4-DCP 2,6-DCP 2,4,6-TCP 3-NP 4-NP	SPME	river	GC-MS	0.005 - 0.014	-	-	[7]
Polypyrrole–montmorillonite	Phenol 4-CP 2,4-DCP 2,6-DCP 2,4,6-TCP	SPME	river	GC-MS	0.02 - 0.05	-	6.5 - 7.8	[8]
Polyaniline-coated halloysite nanotubes	4-CP 2,4-DCP	SPME	river	GC-MS	0.005 - 4	-	-	[9]

alumina wire with a nanosized hydroxyapatite coating	2,6-DCP 2,4,6-TCP 3,4-NP phenol 4-CP 2,4-DCP 2,6-DCP 2, 4,6-TCP	SPME	river	GC-MS	0.5 - 1.2	-	-	[10]

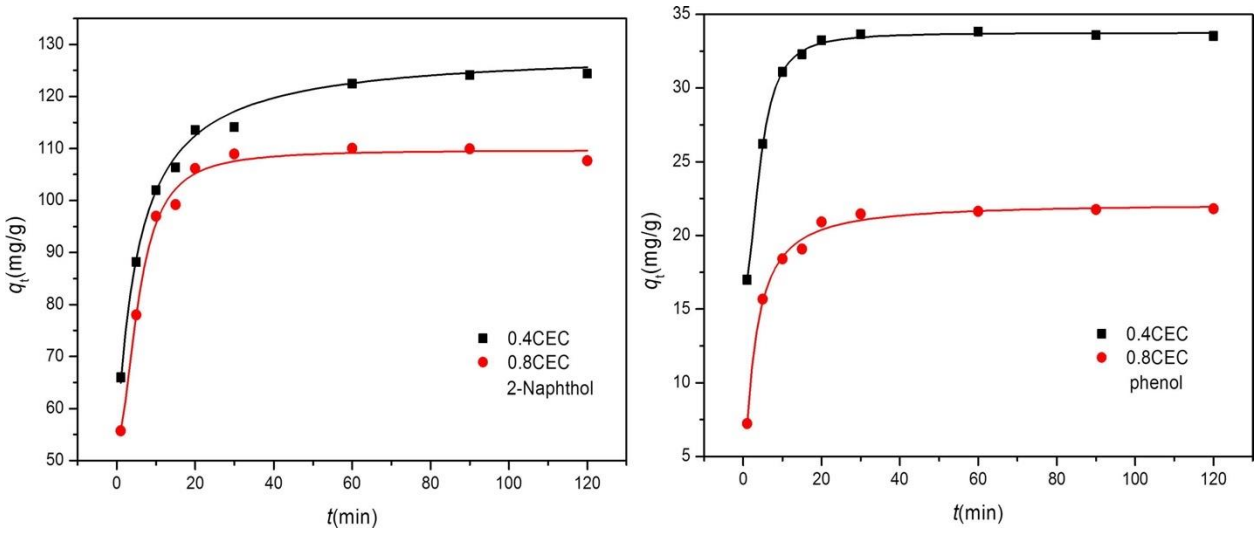


Figure S1. Effect of contact time for the adsorption of 2-napthanol and phenol onto montmorillonite surfactant modified organoclay [11].

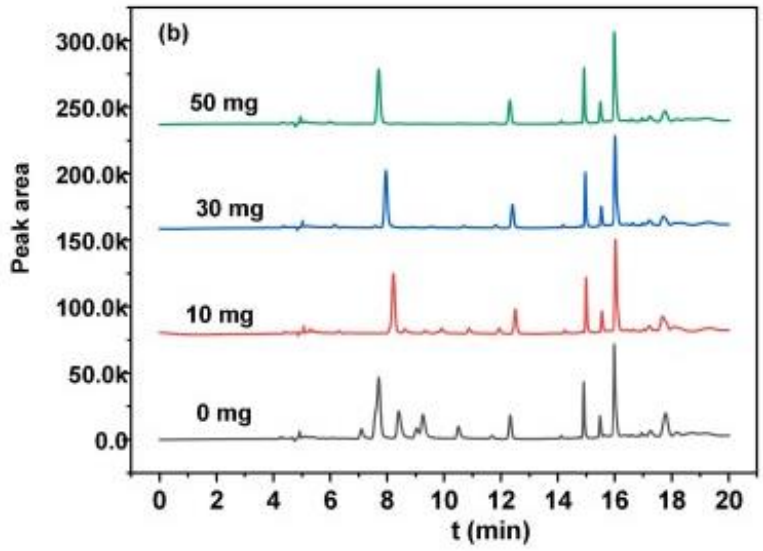


Figure S2. Effect of adsorbent dosage for the extraction of bisphenols onto Fe_3O_4/montmorillonite composite [3].

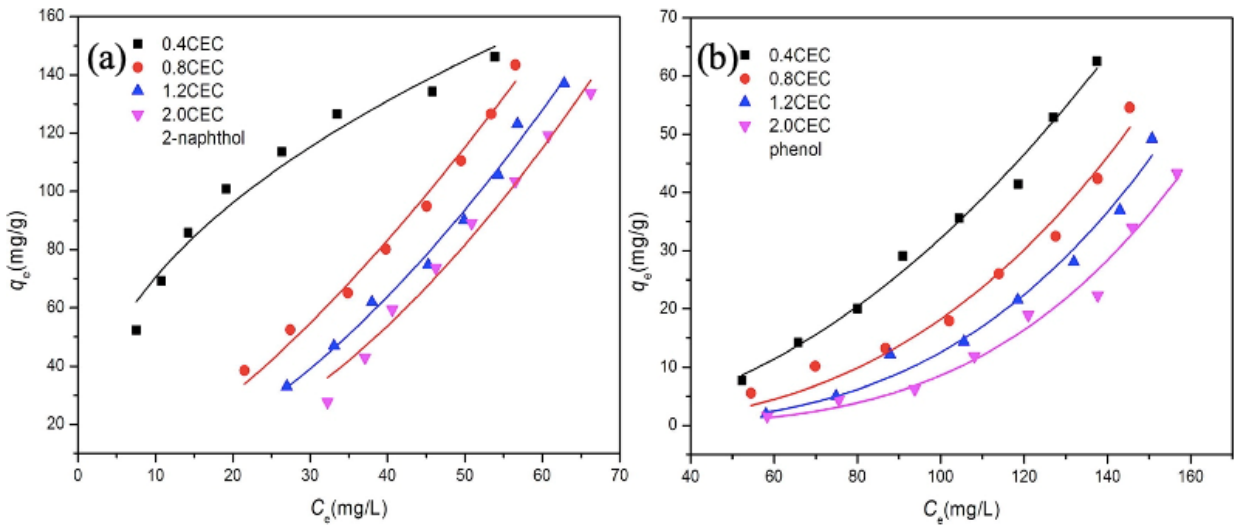


Figure S3. Adsorption of (a) 2-napthol and (b) phenol onto organo-montmorillonite at different concentrations of the adsorbate [11].

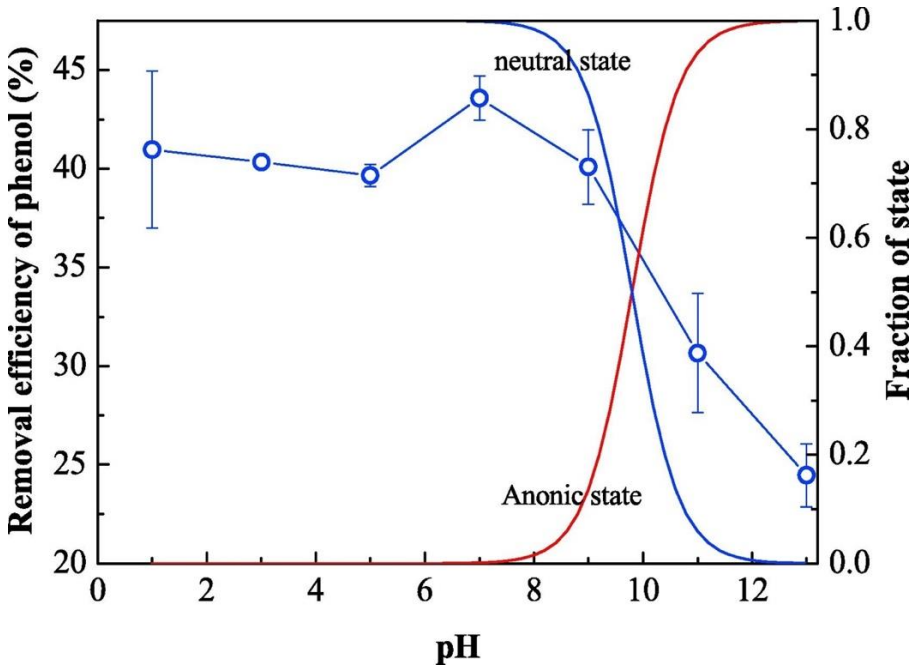


Figure S4. Effect of pH on the removal of phenol using surfactant modified montmorillonite [12].

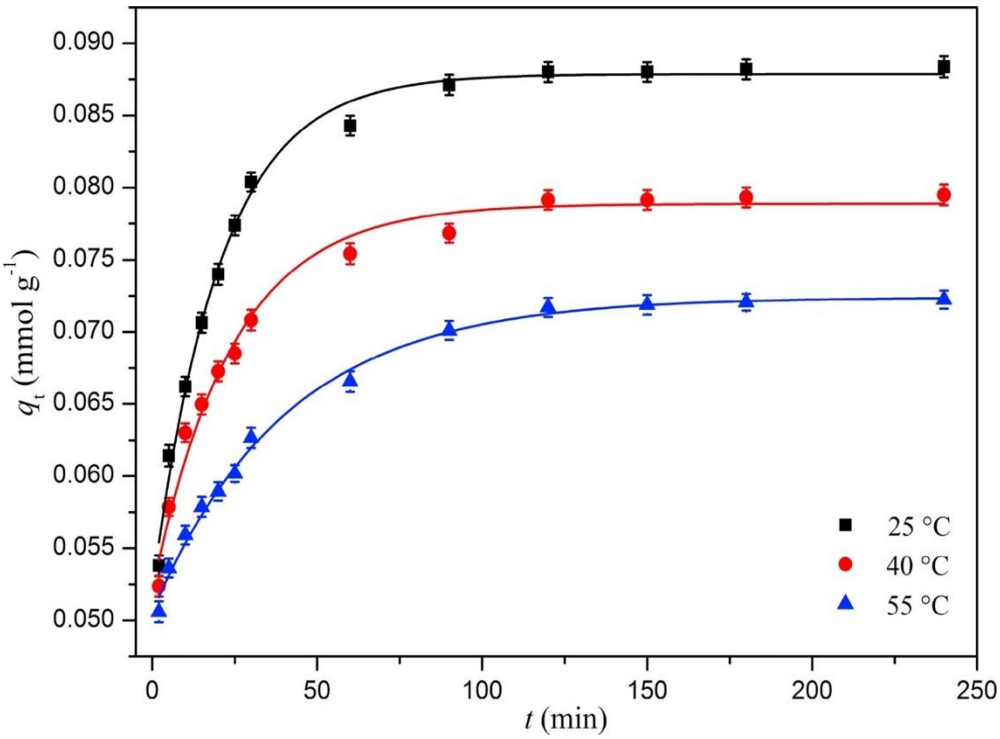


Figure S5. Effect of temperature changes for adsorption of phenol onto HMBP-montmorillonite [13].

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