

**APPENDIX C****BENZENE ADSORPTION CAPACITY SCREENING**

Initial concentration,  $C_0$  : 2.5 mmol/L  
Contact time,  $t$  : 24 h  
Adsorbent dosage, S/L : 1.0 mg/mL  
Temperature,  $T$  : 303 K  
Agitation speed,  $s$  : 200 rpm

Adsorbents	Adsorption capacity, $q_e$ ( $\times 10^3$ mmol/g)	Standard deviation
Raw-BT	13.7187	5.5595
M-BT	23.4871	1.7936
M-CTAB-BT	43.2192	3.3624
M-SDS-BT	30.9743	6.5340
M-P123-BT	37.1255	2.3195
M-TX100-BT	68.1801	3.5474
M-1CTA-TX100-BT	41.7923	5.7146
M-1CTA-SDS-BT	207.7562	5.4206