

# Enhanced Photocatalytic Performance of Bi<sub>2</sub>O<sub>2</sub>CO<sub>3</sub> loaded Activated Carbon for Toluene Removal in Air

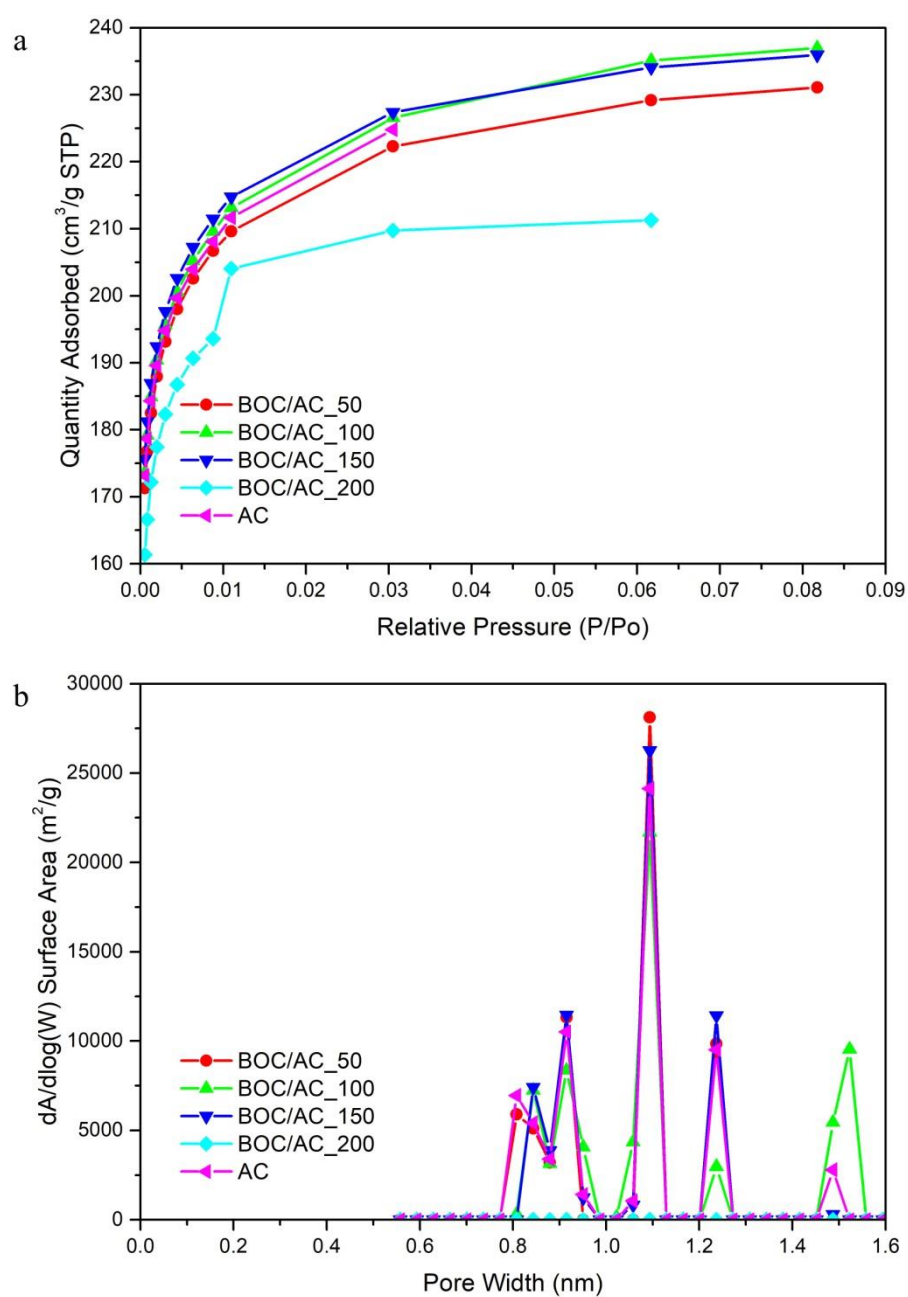
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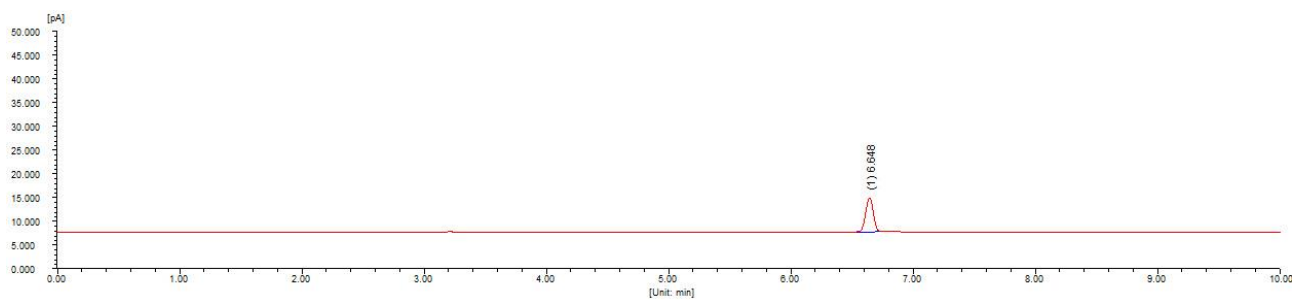
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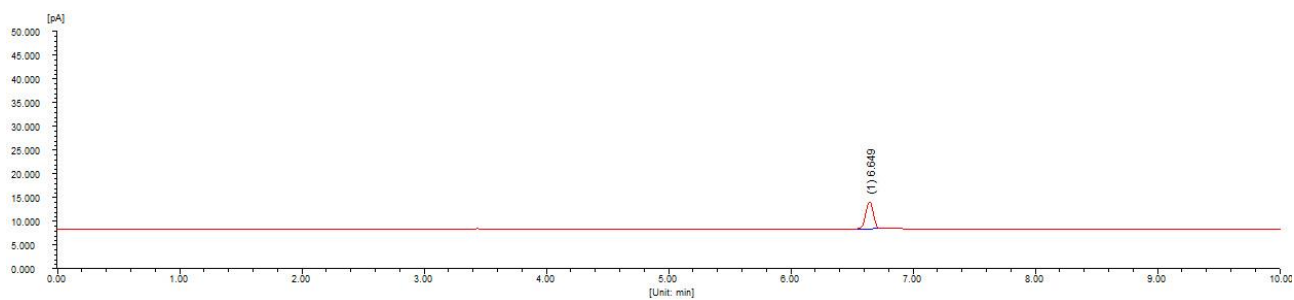
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**Figure S1.** N<sub>2</sub> adsorption– desorption isotherms (a) and pore size distributions (b) of AC and BOC/AC composites.

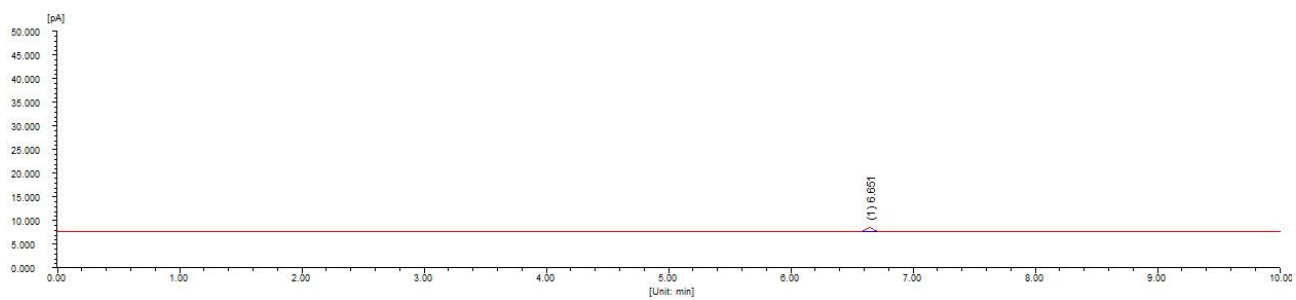


a

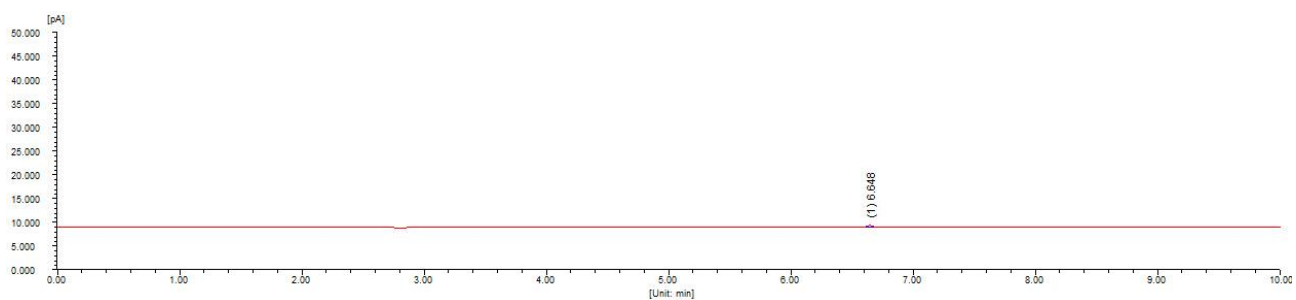


b

**Figure S2.** Chromatograms of organic products at 3 h for BOC/AC<sub>100</sub> (a) and AC (b).

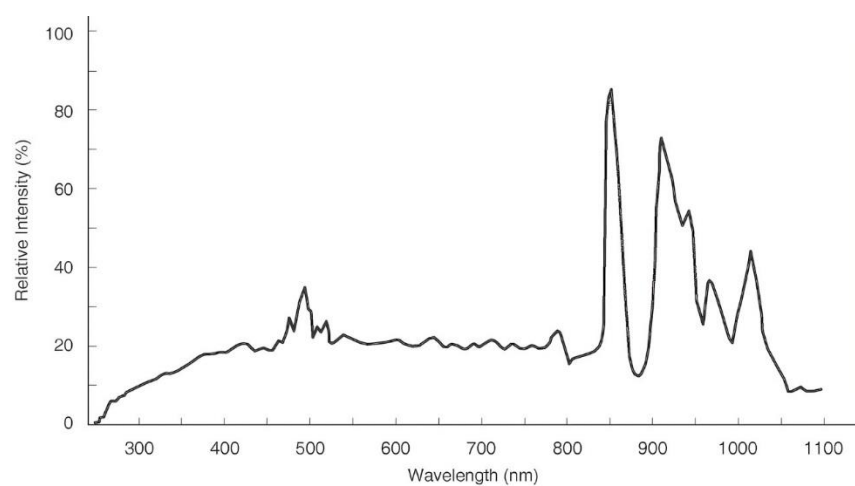


a



b

**Figure S3.** Chromatograms of organic products at 7 h for BOC/AC<sub>100</sub> (a) and AC (b)



**Figure S4.** Spectrum of the xenon lamp used.