

Figure S1 shows that the MB-adsorption capacity of UiO-66@MoS₂QDs enhanced with an extended initial concentration of MB until it reached the maximum adsorption capacity. The adsorbed amount of MB was found to be 46.5 mg/g using the following equation $q_e \text{ (mg/g)} = (C_i - C_f)(V/m)$. Where, C_i and C_f (ppm) are the initial and final MB-concentration; V is the volume of MB solution (L), and w is the UiO-66@MoS₂QDs (g) mass.

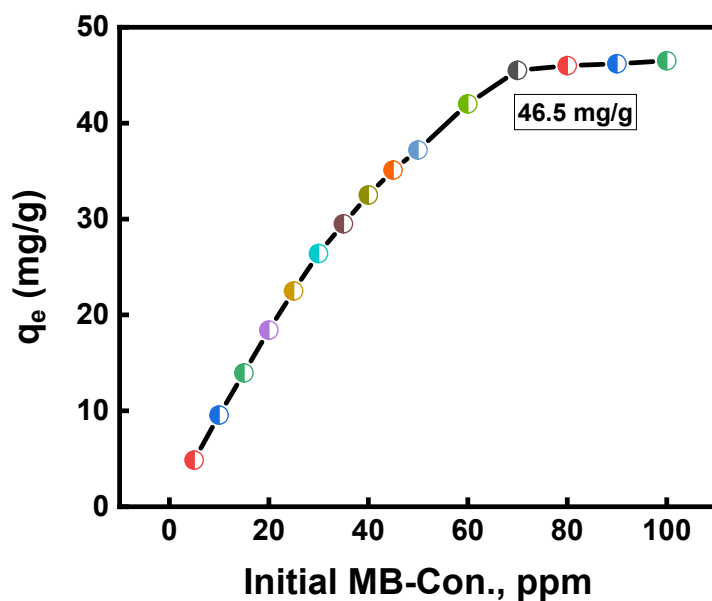


Figure S1. Impact of the MB concentration on the MB-adsorption capacity q_e , mg/g.