**Supporting information**

**for**

**Influence of suspended natural sands on the photolysis of ciprofloxacin in water**

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DS

SS

**Fig. S1.** The sand samples used in this study



**(a)**



**(b)**

**Fig. S2.** The XRD analysis of the natural sand DS (a) and SS (b) with Jade 6.5 software. The results showed that the DS sand mainly contained quartz, albite, and gismondine, and the SS sand contained predominantly quartz.



PEAK LIST

se-45.raw

RT: 0.03 - 14.85

Number of detected peaks: 6

Apex RT Start RT End RT Area %Area Height %Height

5.04 4.91 5.18 295807.906 11.29 64096.794 10.69

5.32 5.26 5.44 90093.321 3.44 26410.136 4.40

5.94 5.84 6.08 166189.271 6.34 42486.564 7.09

6.33 6.23 6.75 1961249.659 74.84 451050.591 75.22

7.65 7.52 7.81 63512.897 2.42 10100.426 1.68

8.38 8.29 8.54 43656.310 1.67 5460.292 0.91



**Fig. S3** HRMS spectra of major photoproducts in the presence of SS and DS sands.