

## Supplementary material

### Aquatic photodegradation of clofibric acid under simulated sunlight

#### irradiation: kinetics and mechanisms analysis

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Fig.S1 The emission spectrum of the Xenon lamp and sunlight.

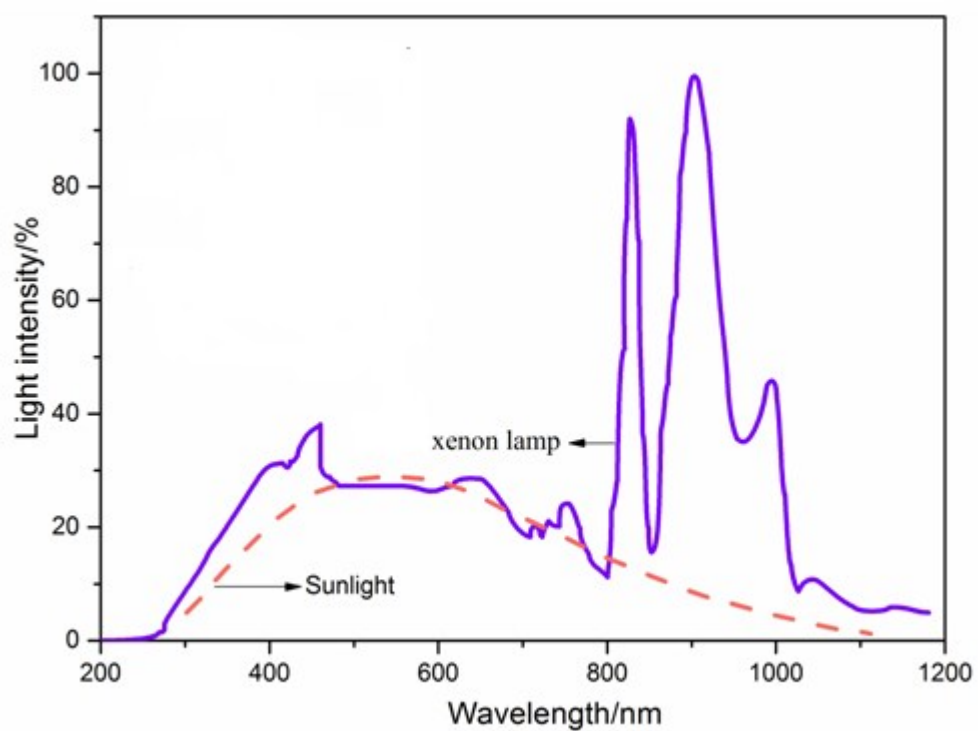
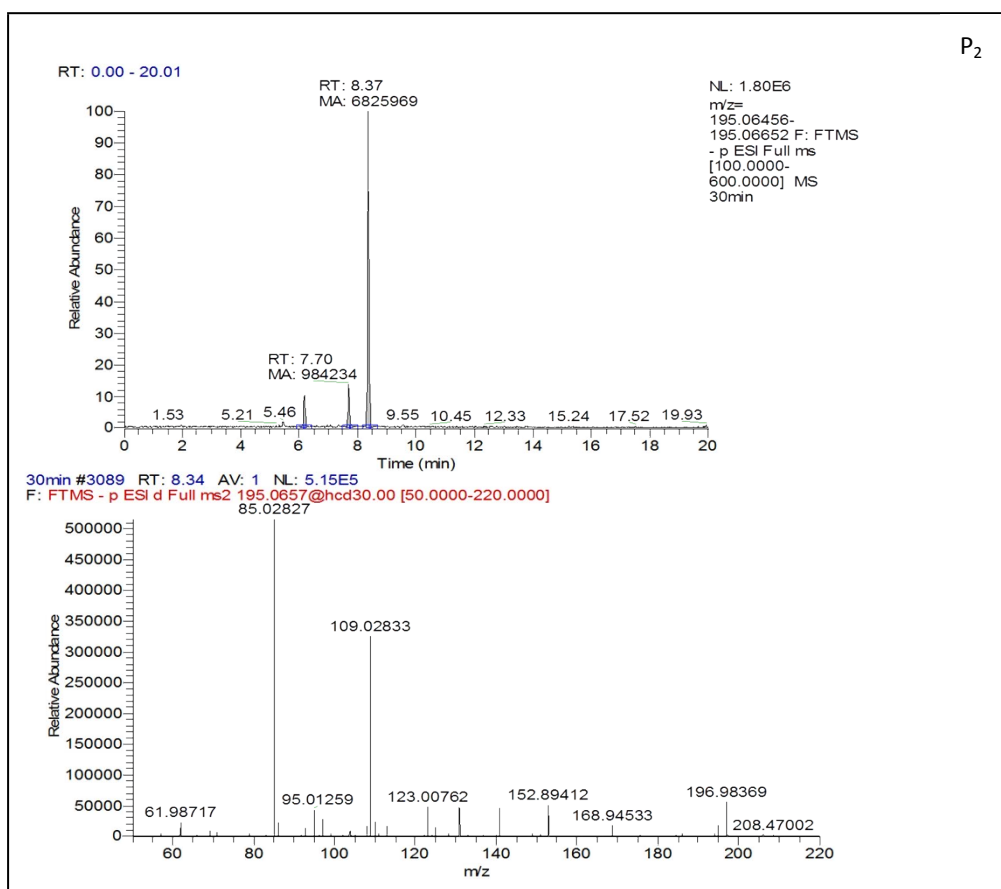
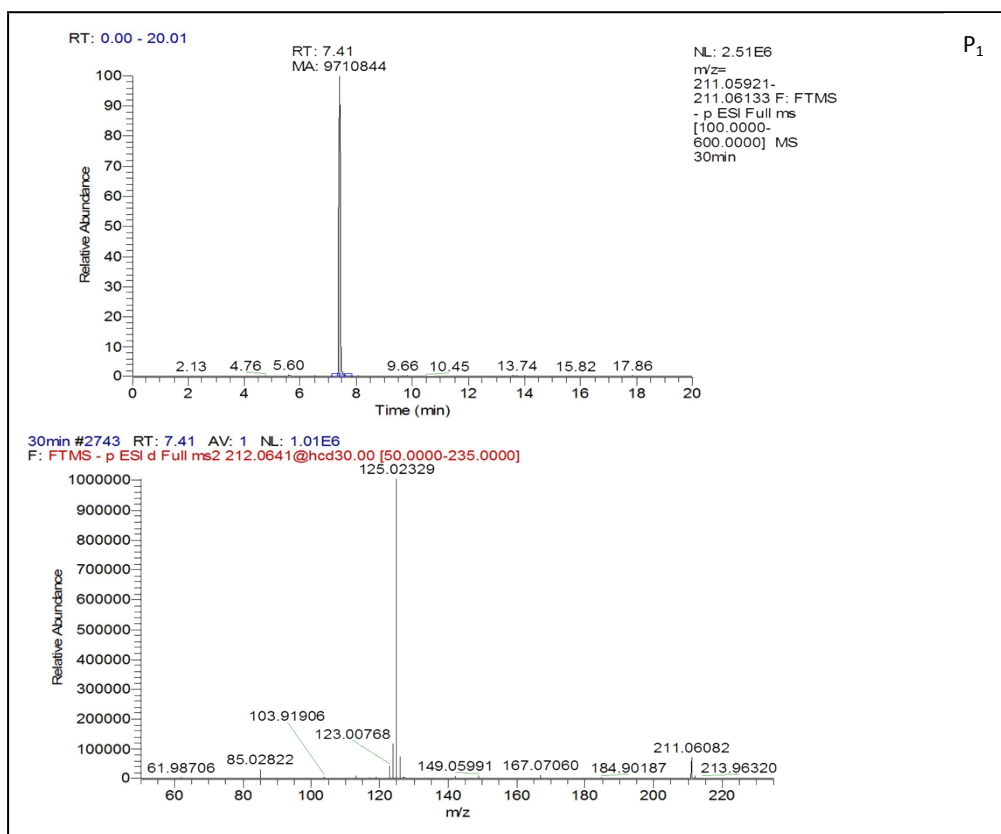
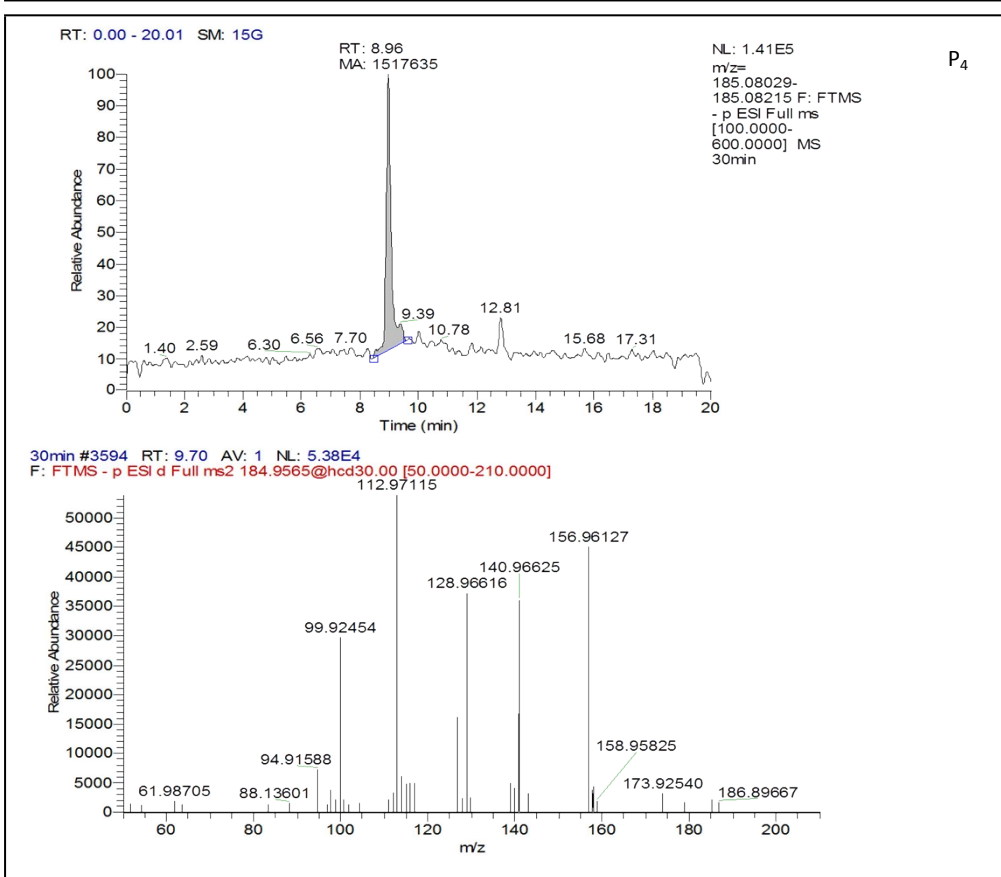
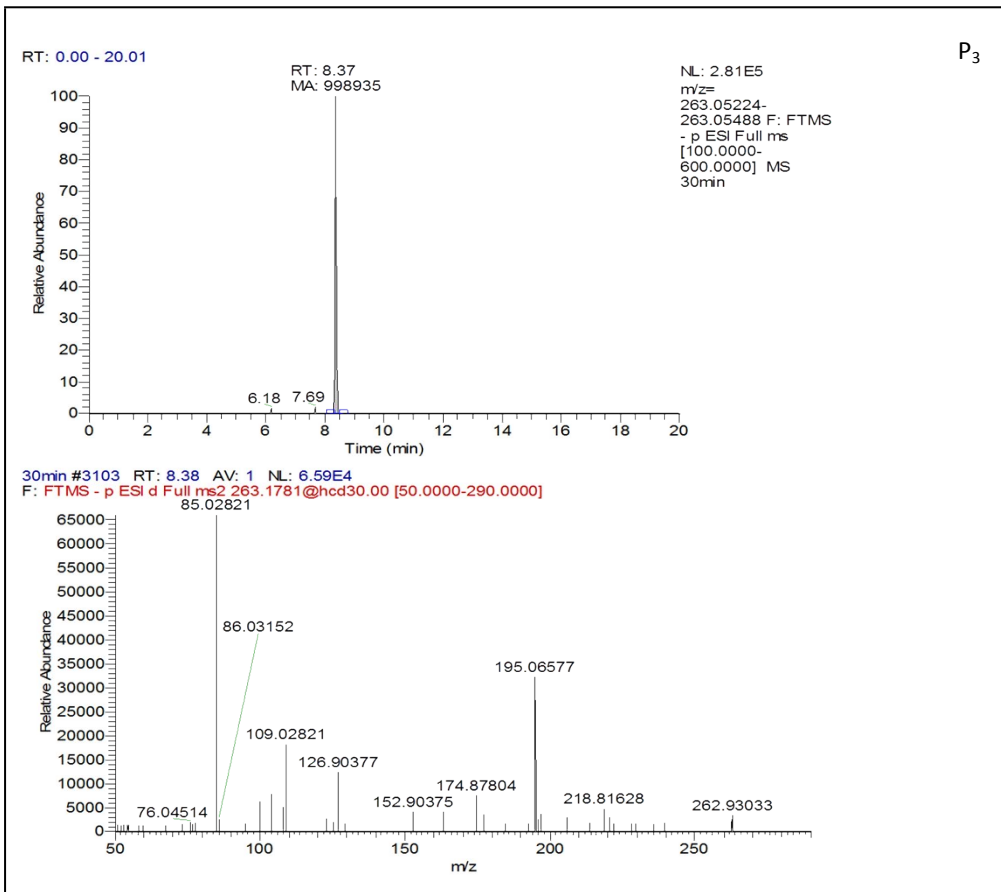
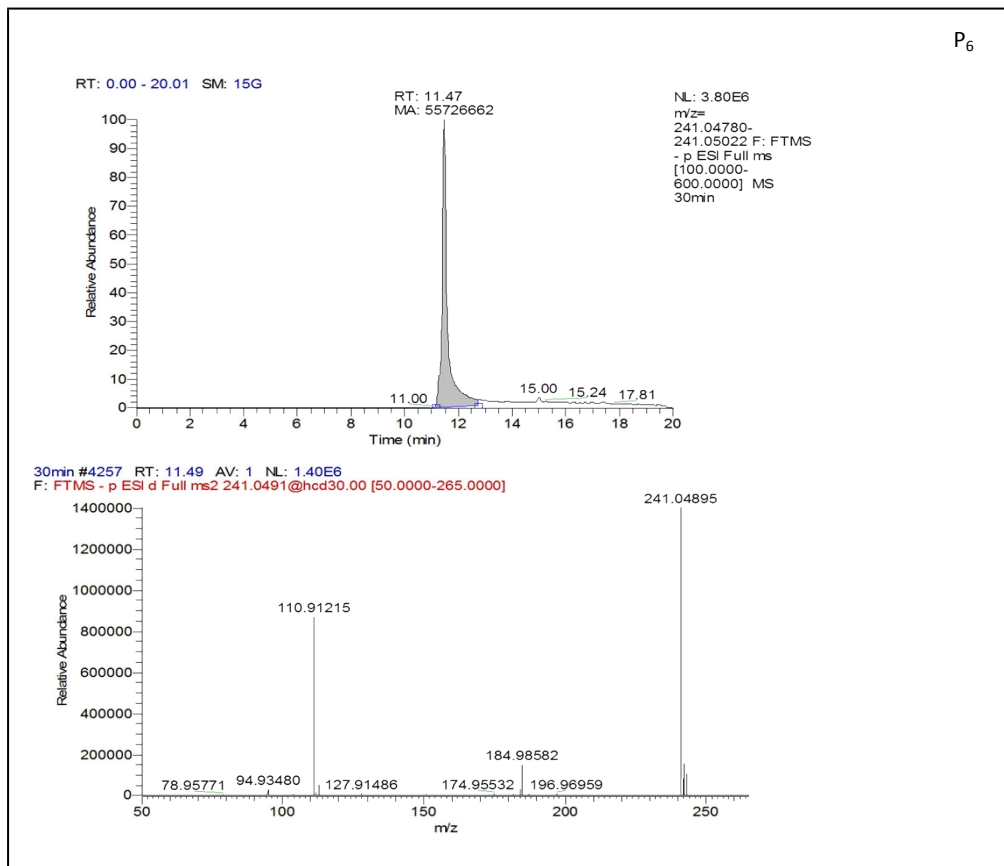
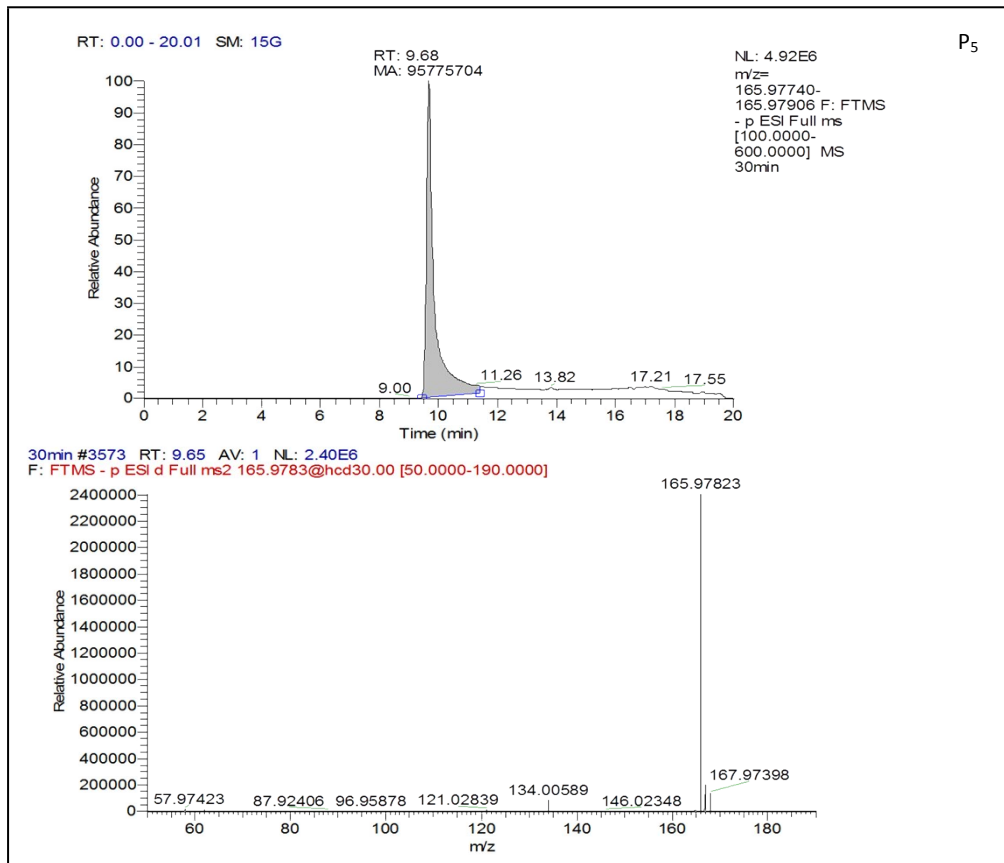


Fig.S2 Fragment chart of the secondary ion mass spectrometry of P<sub>1</sub>-P<sub>8</sub>







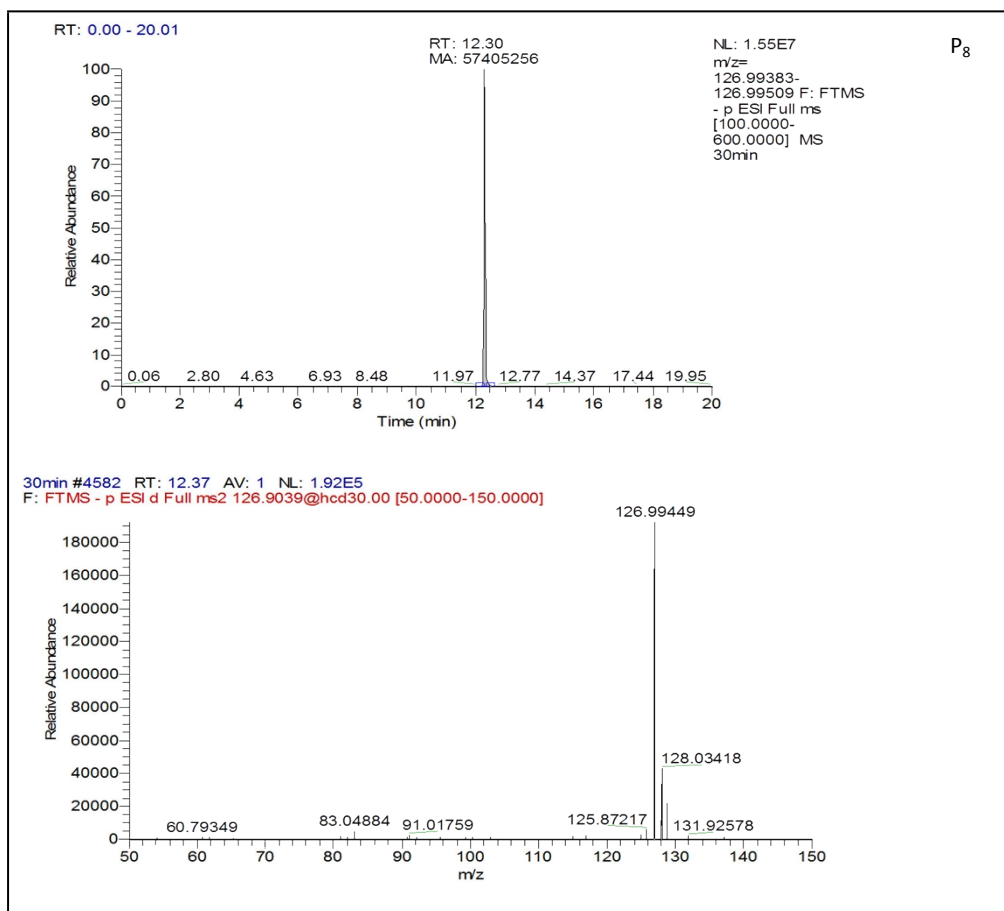
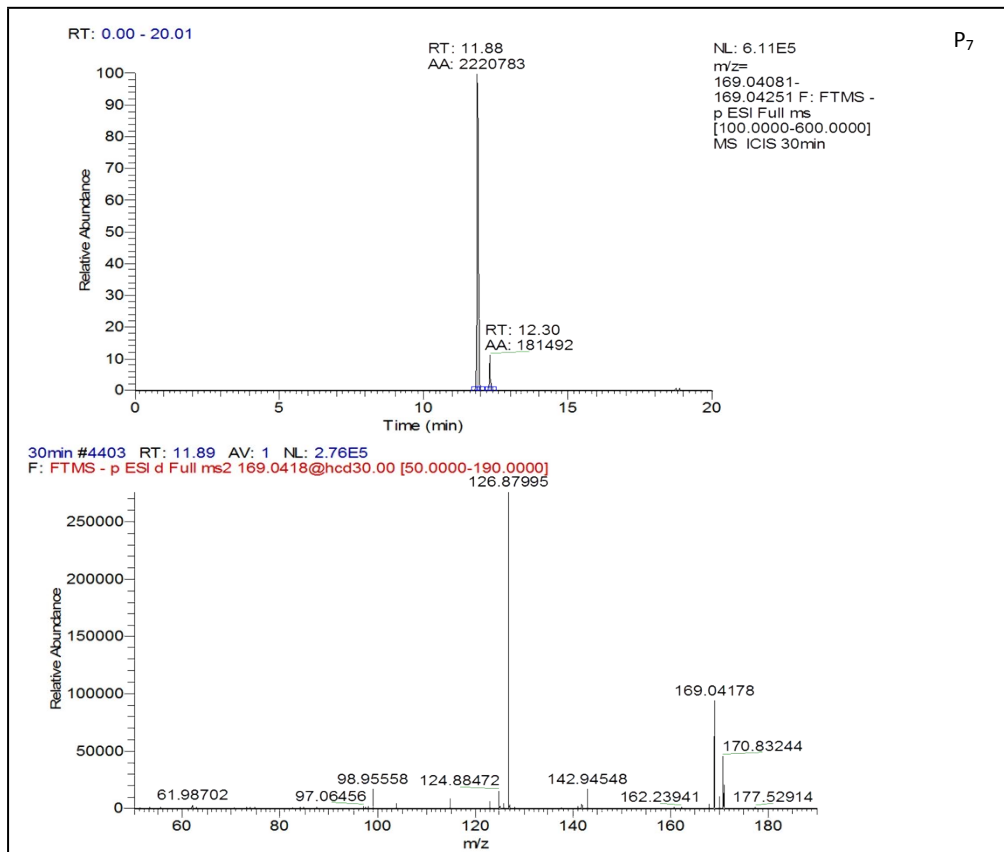


Table S1 Primary properties of water samples

Parameter	Unit	Tap Water	Zhujiang River Water
pH	-	7.05	7.03
TOC	mg/L	1.416	2.796
UV <sub>254</sub>	-	0.0162	0.049
K <sup>a</sup>	mg/L	0.380	0.649
Ca <sup>a</sup>	mg/L	41.553	45.696
Na <sup>a</sup>	mg/L	88.754	91.042
Mg <sup>a</sup>	mg/L	5.547	5.704
Cu <sup>a</sup>	µg/L	1.122	1.729
Fe <sup>a</sup>	µg/L	2.971	5.447
Zn <sup>a</sup>	µg/L	3.586	2.929
Cl <sup>-b</sup>	mg/L	14.642	22.887
NO <sub>3</sub> <sup>-b</sup>	mg/L	9.681	11.068
SO <sub>4</sub> <sup>2-b</sup>	mg/L	23.354	37.611
HCO <sub>3</sub> <sup>-c</sup>	mg/L	3.81	4.87
PO <sub>4</sub> <sup>3-b</sup>	mg/L	n.a.	n.a.

<sup>a</sup> Detected by ICP-MS.

<sup>b</sup> Detected by anions-ion chromatography.

<sup>c</sup> Detected by titration.

n.a. Not detected.