Table S4. Effect of CO32- on the degradation of NIF *via* UV/H2O2. Reaction conditions: NIF concentration = 5 mg/L, CO32- concentration = 0-50 mg/L, pH = 7, H2O2 dosage = 0.52 mmol/L, T = 20 ℃ and reaction time = 5 min.

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| --- | --- | --- | --- | --- | --- |
| CO32- concentration  mg/L | k’app  min-1 | Removal Rate  % | t1/2  min | Inhibition Ratio  % | R2 |
| 0 | 1.45569 | 99.94 | 0.4 |  | 0.99178 |
| 5 | 1.29550 | 99.85 | 0.5 | 11.00 | 0.98533 |
| 20 | 1.16907 | 99.71 | 0.6 | 19.69 | 0.99683 |
| 50 | 1.04447 | 99.41 | 0.7 | 28.25 | 0.99467 |