**Table 1** Summary of experimental condition for column experiments.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| pH | Ionic strength (mM) | Grain size (µm) | Flow rate (mL/min) | Pore water velocity (m/day) |
|
| 5 | 2 | 300 | 2 | 15.5 |
| 5 | 2 | 300 | 2 | 15 |
| 5 | 2 | 211 | 2 | 15.5 |
| 5 | 2 | 150 | 2 | 15.5 |
| 5 | 2 | 300 | 0.66 | 5.17 |
| 5 | 2 | 300 | 0.22 | 1.71 |