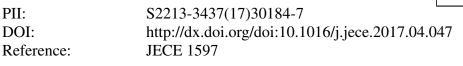
## Accepted Manuscript

Title: Ultrasonic Extraction Method for Quantifying Bioavailable Phosphorus in Particulate Form







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## ACCEPTED MANUSCRIPT

1	Ultrasonic Extraction Method for Quantifying Bioavailable
2	Phosphorus in Particulate Form
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11	
12	Abstract
13	Eutrophication is a common problem in closed bodies of water areas during the summer.
14	Recent reports have alleged that bioavailable phosphorus (BAP) in particulate forms
15	contributes to eutrophication. However, current methods for quantifying particulate
16	BAP are time-consuming and tedious. Here, we investigated the use of extraction with
17	0.1 M NaOH solution in combination with ultrasonication to quantify potential BAP in
18	particulate forms in soils and suspended sediments from an agricultural area. The
19	ultrasonic extraction process was considerably less time-consuming than conventional

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