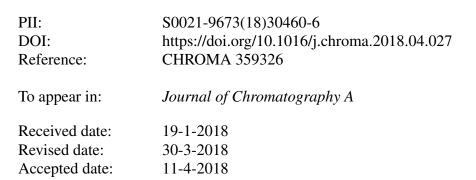
#### Accepted Manuscript

Title: Solid-Phase Extraction, Quantification, and Selective Determination of Microcystins in Water with a Gold-Polypyrrole Nanocomposite Sorbent Material

Authors: Amila M. Devasurendra, Dilrukshika S.W. Palagama, Ahmad Rohanifar, Dragan Isailovic, Jon R. Kirchhoff, Jared L. Anderson



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### ACCEPTED MANUSCRIPT

# Solid-Phase Extraction, Quantification, and Selective Determination of Microcystins in Water with a Gold-Polypyrrole Nanocomposite Sorbent Material

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#### HIGHLIGHTS

- Au-PPy nanocomposite-coated silica sorbent material used for solid-phase extraction
- Efficient extraction of microcystins achieved in lake and drinking water samples
- Low LODs and LOQs attained with excellent extraction efficiency
- Off-column selective separation of hydrophilic and hydrophobic microcystins
- Reusable sorbent for multiple microcystin extractions

#### ABSTRACT

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