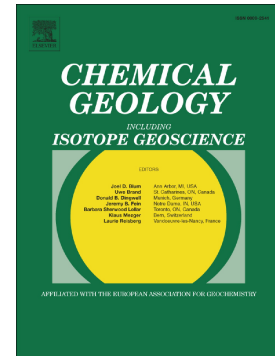


Accepted Manuscript

Simultaneously quantifying ferrihydrite and goethite in natural sediments using the method of standard additions with X-ray absorption spectroscopy

Jing Sun, Brian J. Mailloux, Steven N. Chillrud, Alexander van Geen, Aaron Thompson, Benjamin C. Bostick



PII: S0009-2541(17)30642-3
DOI: doi:[10.1016/j.chemgeo.2017.11.021](https://doi.org/10.1016/j.chemgeo.2017.11.021)
Reference: CHEMGE 18549
To appear in: *Chemical Geology*
Received date: 20 July 2017
Revised date: 14 November 2017
Accepted date: 16 November 2017

Please cite this article as: Jing Sun, Brian J. Mailloux, Steven N. Chillrud, Alexander van Geen, Aaron Thompson, Benjamin C. Bostick, Simultaneously quantifying ferrihydrite and goethite in natural sediments using the method of standard additions with X-ray absorption spectroscopy. The address for the corresponding author was captured as affiliation for all authors. Please check if appropriate. *Chemgeol*(2017), doi:[10.1016/j.chemgeo.2017.11.021](https://doi.org/10.1016/j.chemgeo.2017.11.021)

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

**Simultaneously Quantifying Ferrihydrite and Goethite in Natural Sediments
Using the Method of Standard Additions with X-ray Absorption Spectroscopy**

Jing Sun ^{*,1,2,3}, Brian J. Mailloux ⁴, Steven N. Chillrud ¹, Alexander van Geen ¹,
Aaron Thompson ⁵, and Benjamin C. Bostick ^{*,1}

¹ *Lamont-Doherty Earth Observatory, PO Box 1000, 61 Route 9W, Palisades, NY 10964, USA*

² *Department of Earth and Environmental Sciences, Columbia University, Mail Code 5505, New York, NY 10027, USA*

³ *School of Earth Sciences, University of Western Australia, 35 Stirling Highway, Perth, WA 6009, Australia*

⁴ *Department of Environmental Sciences, Barnard College, 3009 Broadway, New York, NY 10027, USA*

⁵ *Department of Crop and Soil Sciences, University of Georgia, Athens, GA 30602, USA*

* Corresponding authors.

Sun: Phone: (+61) 8 9333 6011; Fax: (+61) 8 9333 6499; Email: jing.sun@uwa.edu.au

Bostick: Phone: (+1) 845 365 8659; Fax: (+1) 845 365 8155; Email: bostick@ldeo.columbia.edu

Prepared for Submission to *Chemical Geology*.

Download English Version:

<https://daneshyari.com/en/article/8910465>

Download Persian Version:

<https://daneshyari.com/article/8910465>

[Daneshyari.com](https://daneshyari.com)