

Accepted Manuscript

Tungsten speciation in sulfidic waters: Determination of thiotungstate formation constants and modeling their distribution in natural waters

T. Jade Mohajerin, George R. Helz, Christopher D. White, Karen H. Johannesson

PII: S0016-7037(14)00548-1
DOI: <http://dx.doi.org/10.1016/j.gca.2014.08.037>
Reference: GCA 8965

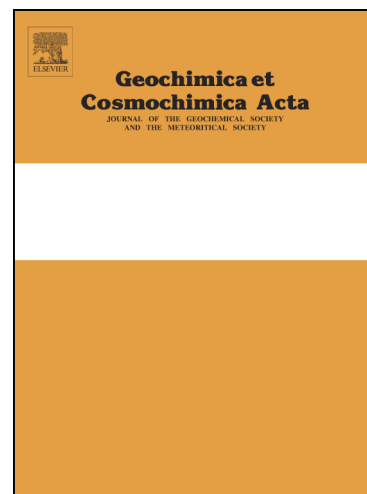
To appear in: *Geochimica et Cosmochimica Acta*

Received Date: 30 August 2013

Accepted Date: 26 August 2014

Please cite this article as: Jade Mohajerin, T., Helz, G.R., White, C.D., Johannesson, K.H., Tungsten speciation in sulfidic waters: Determination of thiotungstate formation constants and modeling their distribution in natural waters, *Geochimica et Cosmochimica Acta* (2014), doi: <http://dx.doi.org/10.1016/j.gca.2014.08.037>

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.



Tungsten speciation in sulfidic waters: Determination of thiotungstate formation constants and modeling their distribution in natural waters

T. Jade Mohajerin^{a*}, George R. Helz^b, Christopher D. White^a, and Karen H. Johannesson^a

^a *Department of Earth and Environmental Sciences, Tulane University, New Orleans, LA 70118-5698, USA*

T. Jade Mohajerin: thaug@tulane.edu

Karen H. Johannesson: kjohanne@tulane.edu

Christopher D. White: ceedave@mac.com

^b *Department of Chemistry and Biochemistry, University of Maryland, College Park, MD 20742-3281*

George R. Helz: helz@umd.edu

*Corresponding author (thaug@tulane.edu, 1-504-343-9456, 2219 Jefferson Ave., New Orleans, LA 70115)

Keywords: tungsten, molybdenum, thioanions, formation constants, euxinic waters, thiotungstates, polytungstates

Highlights: Determination of the formation constants of thiotungstates has been measured in low temperature, low ionic strength aqueous solutions.

Download English Version:

<https://daneshyari.com/en/article/6438301>

Download Persian Version:

<https://daneshyari.com/article/6438301>

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