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TITLE: Trace-Metal Contaminants: Human Footprint on the Ocean

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ABSTRACT:

Research Article| December 01, 2018 Trace-Metal Contaminants: Human Footprint on the Ocean Vanessa Hatje; Vanessa Hatje Centro Interdisciplinar de Energia e Ambiente (CIENAM), Instituto de Química, Universidade Federal da Bahia, Salvador, BA, 40170-290, Brazil E-mail: vhatje@ufba.br Search for other works by this author on: GSW Google Scholar Carl H. Lamborg; Carl H. Lamborg Department of Ocean Sciences, University of California, Santa Cruz, Santa Cruz, CA 95064, USA E-mail: clamborg@ucsc.edu Search for other works by this author on: GSW Google Scholar Edward A. Boyle Edward A. Boyle Earth, Atmospheric, and Planetary Sciences (EAPS), Massachusetts Institute of Technology, Cambridge, MA 02139, USA E-mail: eaboyle@mit.edu Search for other works by this author on: GSW Google Scholar Elements (2018) 14 (6): 403?408. https://doi.org/10.2138/gselements.14.6.403 Article history first online: 20 Dec 2018 Cite View This Citation Add to Citation Manager Share Icon Share Facebook Twitter LinkedIn MailTo Tools Icon Tools Get Permissions Search Site Citation Vanessa Hatje, Carl H. Lamborg, Edward A. Boyle; Trace-Metal Contaminants: Human Footprint on the Ocean. Elements 2018;; 14 (6): 403?408. doi: https://doi.org/10.2138/gselements.14.6.403 Download citation file: Ris (Zotero) Refmanager EasyBib Bookends Mendeley Papers EndNote RefWorks BibTex toolbar search Search Dropdown Menu toolbar search search input Search input auto suggest filter your search All ContentBy SocietyElements Search Advanced Search Anthropogenic activities have increased the fluxes of many trace metals into the oceans, changing their concentrations and distribution patterns. Despite their low dissolved concentrations, a number of these metals can still pose human and ecological risks. Some of these metals are well known (e.g. Pb, Hg), while others, such as the rare earth elements, represent emerging problems that impose new analytical challenges and environmental concerns. Defining the baselines of trace contaminants, identifying and quantifying the processes that control their transport, fate, and cycling are important issues to protect the ocean environment, safeguard human health, and support national and international marine decision-making. You do not have access to this content, please speak to your institutional administrator if you feel you should have access.

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CONCEPTS: ['Citation', 'Download', 'Icon', 'Footprint', 'TRACE (psycholinguistics)', 'Library science', 'Computer science', 'World Wide Web', 'Information retrieval', 'Archaeology', 'Art history', 'History', 'Philosophy', 'Linguistics', 'Programming language']