Accepted Manuscript

Accumulation, elimination, sequestration, and genetic variation of lead (Pb²⁺) loads within and between generations of *Drosophila melanogaster*

Elizabeth K. Peterson, Diane T. Wilson, Bernard Possidente, Phillip McDaniel, Eric J. Morley, Debra Possidente, Kurt T. Hollocher, Douglas M. Ruden, Helmut V.B. Hirsch

PII: S0045-6535(17)30628-8

DOI: 10.1016/j.chemosphere.2017.04.091

Reference: CHEM 19153

To appear in: ECSN

Received Date: 10 January 2017

Revised Date: 20 April 2017

Accepted Date: 20 April 2017

Please cite this article as: Peterson, E.K., Wilson, D.T., Possidente, B., McDaniel, P., Morley, E.J., Possidente, D., Hollocher, K.T., Ruden, D.M., Hirsch, H.V.B., Accumulation, elimination, sequestration, and genetic variation of lead (Pb²⁺) loads within and between generations of *Drosophila melanogaster*, *Chemosphere* (2017), doi: 10.1016/j.chemosphere.2017.04.091.

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.

Chemosphere

魙



1 **TITLE**

- 2 Accumulation, elimination, sequestration, and genetic variation of lead (Pb²⁺) loads within and
- 3 between generations of *Drosophila melanogaster*

4 AUTHORS

- 5 Elizabeth K. Peterson^{a, *}, Diane T. Wilson^a, Bernard Possidente^b, Phillip McDaniel^a, Eric J.
- 6 Morley^a, Debra Possidente^a, Kurt T. Hollocher^c, Douglas M. Ruden^d, and Helmut V.B. Hirsch^a
- ⁷ ^a Department of Biological Sciences, University at Albany-State University of New York, Albany,
- 8 NY 12222 USA
- 9 ^b Department of Biology, Skidmore College, Saratoga, NY 12866 USA
- 10 ^c Department of Geology, Union College, Schenectady, NY 12308 USA
- ¹¹ ^d Institute of Environmental Health Sciences, Wayne State University, Detroit, MI 48202 USA
- 12
- 13 Running title: Pb loads in Drosophila melanogaster
- 14 Words in text: 5,323 (not including references and figure legends)
- 15 Number of figures: 5
- 16 Number of tables: 2

17

- 18
- 19
- 20
- 21

^{*} Corresponding author: Elizabeth K. Peterson, Department of Biological Sciences, State University of New York-Albany, 1400 Washington Avenue, Albany NY 12222

Download English Version:

https://daneshyari.com/en/article/5747171

Download Persian Version:

https://daneshyari.com/article/5747171

Daneshyari.com