Accepted Manuscript

Title: The impacts of emission trends of POPs on human concentration dynamics: Lessons learned from a longitudinal study in Norway (1979-2007)

Authors: Therese Haugdahl Nøst, Torkjel Manning Sandanger, Evert Nieboer, Jon Øyvind Odland, Knut Breivik

PII: \$1438-4639(16)30416-3

DOI: http://dx.doi.org/doi:10.1016/j.ijheh.2017.01.015

Reference: IJHEH 13047

To appear in:

Received date: 3-11-2016 Revised date: 10-1-2017 Accepted date: 12-1-2017

Please cite this article as: Nøst, Therese Haugdahl, Sandanger, Torkjel Manning, Nieboer, Evert, Odland, Jon Øyvind, Breivik, Knut, The impacts of emission trends of POPs on human concentration dynamics: Lessons learned from a longitudinal study in Norway (1979-2007). International Journal of Hygiene and Environmental Health http://dx.doi.org/10.1016/j.ijheh.2017.01.015

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.



ACCEPTED MANUSCRIPT

The impacts of emission trends of POPs on human concentration dynamics: Lessons learned from a longitudinal study in Norway (1979-2007)

Therese Haugdahl Nøst, ^{†1,2} Torkjel Manning Sandanger, ^{†1,2} Evert Nieboer, ³ Jon Øyvind Odland, ² Knut Breivik^{4,5}

¹NILU - Norwegian Institute for Air Research, the FRAM Centre, P.O. Box 6606 Langnes, NO-9296 Tromsø, Norway;

²Department of Community Medicine, Faculty of Health Sciences, UiT - the Arctic University of Norway, P.O. Box 6050 Langnes, NO-9037 Tromsø, Norway;

³Department of Biochemistry and Biomedical Sciences, McMaster University, 1280 Main Street West, Hamilton, Ontario, Canada;

⁴NILU - Norwegian Institute for Air Research, P.O. Box 100, NO-2027 Kjeller, Norway;

⁵Department of Chemistry, University of Oslo, P.O. Box 1033, NO-0315 Oslo, Norway.

[†]The authors agree that the first two authors are to be regarded as joint first authors.

Corresponding author: Therese Haugdahl Nøst, Department of Community Medicine, Faculty of Health Sciences, UiT - the Arctic University of Norway, P.O. Box 6050 Langnes, NO-9037 Tromsø, Norway; E-mail: therese.h.nost@uit.no.

Keywords: Blood serum; Persistent organic pollutants; Repeated measurements;

Organochlorine pesticides; Polychlorinated biphenyls; Per- and polyfluoroalkyl substances.

Abbreviations: DDE - 1,1-dichloro-2,2-bis(p-chlorophenyl)ethylene; DDT - 1,1'-(2,2,2-

Trichloroethane-1,1-diyl)bis(4-chlorobenzene); HCB - Hexachlorobenzene; HCHs -

Hexachlorocyclohexanes; OCPs - organochlorine pesticides; PCBs - Polychlorinated

biphenyls; PFASs - per- and polyfluoroalkyl substances; PFOA - Perfluorooctanoic acid;

PFOS - Perfluorooctane sulfonic acid; POPs - Persistent organic pollutants.

Download English Version:

https://daneshyari.com/en/article/5560571

Download Persian Version:

https://daneshyari.com/article/5560571

<u>Daneshyari.com</u>