

Accepted Manuscript

Ultrasound assisted-dispersive-ionic liquid-micro-solid phase extraction based on carboxyl-functionalized nanoporous graphene for speciation and determination of trace inorganic and organic mercury species in water and caprine blood samples

Hamid Shirkhanloo, Aisan Khaligh, Hassan Zavvar Mousavi, Alimorad Rashidi

PII: S0026-265X(16)30144-8
DOI: doi:[10.1016/j.microc.2016.09.012](https://doi.org/10.1016/j.microc.2016.09.012)
Reference: MICROC 2572

To appear in: *Microchemical Journal*

Received date: 4 July 2016
Revised date: 20 September 2016
Accepted date: 20 September 2016

Please cite this article as: Hamid Shirkhanloo, Aisan Khaligh, Hassan Zavvar Mousavi, Alimorad Rashidi, Ultrasound assisted-dispersive-ionic liquid-micro-solid phase extraction based on carboxyl-functionalized nanoporous graphene for speciation and determination of trace inorganic and organic mercury species in water and caprine blood samples, *Microchemical Journal* (2016), doi:[10.1016/j.microc.2016.09.012](https://doi.org/10.1016/j.microc.2016.09.012)

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.



**Ultrasound assisted-dispersive-ionic liquid-micro-solid phase extraction
based on carboxyl-functionalized nanoporous graphene for speciation and
determination of trace inorganic and organic mercury species
in water and caprine blood samples**

Hamid Shirkhanloo^{a,b,*}, Aisan Khaligh^c, Hassan Zavvar Mousavi^c, Alimorad Rashidi^{d,a}

^a*Research Institute of Petroleum Industry (RIPI), West Entrance Blvd., Olympic Village, P.O. Box: 14857-33111, Tehran, Iran*

^b*Occupational and Environmental Health Research Center (OEHRC-IPIHRI-PIHO), Tehran, Iran.*

^c*Department of Chemistry, Semnan University, Semnan 35131-1911, Iran.*

^d*Nanotechnology Research Center, Research Institute of Petroleum Industry, Tehran 1485733111, Iran.*

*Corresponding author: Hamid Shirkhanloo

E-mail: hamidshirkhanloo@yahoo.ca; Tel.: + 98 21 48251; Fax: + 98 21 66701474,

Address1: *Research Institute of Petroleum Industry (RIPI), West Entrance Blvd., Olympic Village, Tehran, Iran*

Address2: *Iranian Petroleum Industry Health Research Institute (IPIHRI), PIHO, Tehran, Iran.*

Download English Version:

<https://daneshyari.com/en/article/7641195>

Download Persian Version:

<https://daneshyari.com/article/7641195>

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