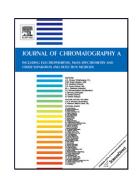
Accepted Manuscript

Title: *On-line* combining monolith-based *in-tube* solid phase microextraction and high-performance liquid chromatography- fluorescence detection for the sensitive monitoring of polycyclic aromatic hydrocarbons in complex samples



Authors: Jinling Pang, Dongxing Yuan, Xiaojia Huang

PII: S0021-9673(18)30960-9

DOI: https://doi.org/10.1016/j.chroma.2018.07.077

Reference: CHROMA 359589

To appear in: Journal of Chromatography A

Received date: 3-6-2018 Revised date: 24-7-2018 Accepted date: 27-7-2018

Please cite this article as: Pang J, Yuan D, Huang X, *On-line* combining monolith-based *in-tube* solid phase microextraction and high-performance liquid chromatography- fluorescence detection for the sensitive monitoring of polycyclic aromatic hydrocarbons in complex samples, *Journal of Chromatography A* (2018), https://doi.org/10.1016/j.chroma.2018.07.077

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.

Submitted to J. Chromatogr. A

(revised)

On-line combining monolith-based in-tube solid phase

microextraction and high-performance liquid chromatography-

fluorescence detection for the sensitive monitoring of polycyclic

aromatic hydrocarbons in complex samples

Jinling Pang, Dongxing Yuan, Xiaojia Huang*

State Key Laboratory of Marine Environmental Science, Key Laboratory of the

Ministry of Education for Coastal and Wetland Ecosystem, College of the

Environment and Ecology, Xiamen University.

*Corresponding author. Tel: 086-0592-2189278; Fax: 086-0592-2183137

E-mail: <u>hxj@xmu.edu.cn</u>

Corresponding Address: P. O. Box 1009, Xiamen University, Xiamen 361005, China

HIGHLIGHTS

A new monolith-based microextraction column was synthesized.

The microextraction column displayed satisfactory extraction performance for

PAHs.

IT-SPME was *on-line* coupled with HPLC-FLD for the analysis of PAHs.

Method for the monitoring of PAHs in water and milk samples was

developed.

1

Download English Version:

https://daneshyari.com/en/article/10154455

Download Persian Version:

https://daneshyari.com/article/10154455

<u>Daneshyari.com</u>