

## Accepted Manuscript

Title: *In situ* ionic liquid dispersive liquid-liquid microextraction coupled to gas chromatography-mass spectrometry for the determination of organophosphorus pesticides

Authors: J.I. Cacho, N. Campillo, P. Viñas, M. Hernández-Córdoba



PII: S0021-9673(17)31857-5  
DOI: <https://doi.org/10.1016/j.chroma.2017.12.059>  
Reference: CHROMA 359115

To appear in: *Journal of Chromatography A*

Received date: 26-9-2017  
Revised date: 19-12-2017  
Accepted date: 21-12-2017

Please cite this article as: J.I.Cacho, N.Campillo, P.Viñas, M.Hernández-Córdoba, *In situ* ionic liquid dispersive liquid-liquid microextraction coupled to gas chromatography-mass spectrometry for the determination of organophosphorus pesticides, *Journal of Chromatography A* <https://doi.org/10.1016/j.chroma.2017.12.059>

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.

***In situ* ionic liquid dispersive liquid-liquid microextraction coupled to gas chromatography-mass spectrometry for the determination of organophosphorus pesticides**

J.I. Cacho, N. Campillo, P. Viñas and M. Hernández-Córdoba

*Department of Analytical Chemistry, Faculty of Chemistry, Regional Campus of International Excellence "Campus Mare Nostrum" University of Murcia, E-30100 Murcia, Spain*

\*Corresponding author:

Prof. Manuel Hernández-Córdoba

Department of Analytical Chemistry

Faculty of Chemistry

University of Murcia

E-30100 Murcia

SPAIN

Tel.: +34 868887406

FAX: +34 868887682

e-mail: hcordova@um.es

Possible highlights

- Ionic liquids have proven to be suitable extractants for OPPs in waters
- *In situ* IL formation facilitates its dispersion through an aqueous phase
- The whole IL recovered extract is analyzed by GC
- Microvial insert thermal desorption allows the OPPs injection

Nine organophosphorus pesticides (OPPs) were determined in environmental waters from different origins using *in situ* ionic liquid dispersive liquid liquid

Download English Version:

<https://daneshyari.com/en/article/7607872>

Download Persian Version:

<https://daneshyari.com/article/7607872>

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