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Title: On-line solid phase extraction-liquid chromatography-tandem mass spectrometry for insect repellent residue analysis in surface waters using atmospheric pressure photoionization

Authors: Daniel Molins-Delgado, Daniel García-Sillero, M. Silvia Díaz-Cruz, Damià Barceló



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**ON-LINE SOLID PHASE EXTRACTION-LIQUID
CHROMATOGRAPHY-TANDEM MASS SPECTROMETRY
FOR INSECT REPELLENT RESIDUE ANALYSIS IN
SURFACE WATERS USING ATMOSPHERIC PRESSURE
PHOTOIONIZATION.**

Daniel Molins-Delgado¹, Daniel García-Sillero¹, M. Silvia Díaz-Cruz^{1*}, Damià Barceló^{1,2}

1. Dept. of Environmental Chemistry, IDAEA-CSIC, C/Jordi Girona 18-26, 08034

Barcelona, Spain

2. Catalan Institute for Water Research (ICRA), Parc Científic i Tecnològic de la

Universitat de Girona, C/Emili Grahit, 101 Edifici H2O, 17003 Girona, Spain

*sdcqam@cid.csic.es

Highlights

- An on-line method for the analysis of insect repellents (IRs) in water is presented.
- Atmospheric photoionisation allowed the analysis of IRs by liquid chromatography.
- IRs monitoring was performed in three European river basins.

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