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Multi-residue pesticide analysis in virgin olive oil by nanoflow liquid chromatography high resolution mass spectrometry¹

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Highlights

- Multiresidue method for pesticide analysis in olive oil by nanoflow LC-HRMS
- Evaluation of EMR-lipid sorbent for coextracted fat removal after QuEChERS
- Appropriate precision and negligible matrix effects for most pesticides tested
- The lowest concentration levels detected are well below MRLs (low $\mu\text{g kg}^{-1}$ range)

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