

Determination of *s*-Triazine Herbicides in Soils of Different Organic Matter Content

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In the present study, a methodology for determining *s*-triazine herbicides (cyanazine, simazine, atrazine, propazine, prometryn) in soils of different organic matter content (TOC 6.9–62.4 g kg⁻¹) is presented. Qualitative and quantitative analysis was carried out by means of high-performance liquid chromatography with UV detection carried out after extraction by shaking. Recovery of individual herbicides with the application of the SPE technique ranged in a broad spectrum. Finally, as a result of optimisation, a recovery rate of above 98% was achieved for cyanazine, atrazine, simazine and propazine and 86% for prometryn. Recovery from soil samples ranged from 71 to 88%. No influence of the amount of organic matter on the recovery rate of individual herbicides was observed except for prometryn.