
DETERMINATION OF SELECTED ILLICIT DRUGS IN WASTEWATER USING LIQUID CHROMA- TOGRAPHY TANDEM MASS SPECTROMETRY

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The wastewater-based epidemiology approach to the analysis of illicit drugs was conceptualized in 2001 and for the first time was applied in 2005 for cocaine estimation in Italy. Further, other illicit drugs as heroine, cannabis and amphetamine have been estimated. Illicit drugs have been measured in TGM Water Research Institute, p.r.i., since 2012. This paper describes analytical possibilities of determination of illicit drugs in wastewater and method evaluated in TGM Water Research Institute, p.r.i., focusing on nicotine and its metabolites and ethylsulfate, the analytes, what were implemented during the project within the Concept IV.