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AN IMPROVED METHOD FOR ANALYSIS OF NICOTINE IN URINE BY HIGH PERFORMANCE LIQUID CHROMATOGRAPHY

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The problem of an interfacial emulsion in the methylene chloride extraction of nicotine from urine for analysis by high performance liquid chromatography (HPLC) was investigated. A change in the extraction solvent was examined as a possible solution to this problem. The extraction efficiency, solvent interference and solvent expense were considered. The solvent that best fit these parameters and did not form an emulsion was chloroform.