
ARTICLES

Microcolumn High-Performance Liquid Chromatography with UV Detection for the Determination of Anions in Environmental Materials

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Abstract—A procedure for the determination of anions on a conventional high-performance liquid chromatograph with a UV detector and a reversed-phase column used for the analysis of different environmental materials is optimized. The volume of a water sample for the analysis is 50–100 μL ; the procedure is suitable for the determination of anions in atmospheric aerosol and in void water of bottom sediments. The procedure can be used under conditions of field and mobile laboratories to perform analyses at sampling sites.