TRENDS IN PRECONCENTRATION-SEPARATION OF HEAVY METAL IONS

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Lower analyte ion levels than quantitation limits and matrix effects are two main limitations in the determination of metal ions by instrumental techniques including atomic absorption spectrometry. Liquid-liquid extraction including micro extraction techniques, cloud point extraction, co precipitation and solid phase extraction are popularly used techniques for the separation and extraction of heavy metal ions at trace levels prior to their atomic absorption spectrometric determinations.

On-line and off-line applications of preconcentration-separation procedures are discussed in this presentation. Some examples on this subject are given.

REFERENCES