

Analysis of Pb-210 in Water and Soil Samples, Using Eichrom's Lead Resin

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A procedure has been developed by Eichrom Industries for Pb-210 in water and soil matrices using specific extraction chromatographic resin which was designed for lead analysis.

After preconcentration of lead in water samples or leaching of lead from a soil sample, it is separated using Eichrom's Pb Resin column. A stable Pb carrier is used as a tracer, which is monitored gravimetrically and Pb-210 is measured as Bi-210 using a gas-flow proportional counter. This presentation will discuss the development of the procedure, test sample results, and tracer recoveries.