Selective Dissolution Techniques for Mineral Analysis and Concentration. (A09-shang323005-oral)

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Abstract:

Selective chemical dissolution (SCD) is a commonly employed means to use a range of chemical reagents to extract selectively mineral components from soils or sediments for the purposes of quantifying, separating, concentrating or pre-cleaning of clay-size materials for further analysis. The selective dissolution methods for soluble salts, carbonates, and sulfides have been greatly expanded from other publications. Methods for noncrystalline materials as well as oxides and hydroxides included in this chapter are similar to those written by Jackson, Lim and Zelazny (Methods of Soil Analysis-Part 1, 1986); however, newly developed procedures have been added. We attempt to focus on mostly common procedures and new improvements in the procedures, and on methods not included in other publications.

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