

Major and trace element analytical methods of the National Status and Trends Program: update 2000-2006



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Reviews

It is an awesome book that we have possibly go through. It is actually writter in straightforward words and phrases and not confusing. It is extremely difficult to leave it before concluding, once you begin to read the book.

(Tierra Kunde)

MAJOR AND TRACE ELEMENT ANALYTICAL METHODS OF THE NATIONAL STATUS AND TRENDS PROGRAM: UPDATE 2000-2006



No binding. Book Condition: New. This item is printed on demand. Original publisher: Silver Spring, Md. : U. S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Ocean Service, Center for Coastal Monitoring and Assessment, 2007 OCLC Number: (OCoLC)193812300 Subject: Soils -- Trace element content -- United States -- Testing. Excerpt: . . . 3. 2. 4 DIGESTION Approximately 0. 2 g of homogenized, dried sediment was weighed to the nearest 0. 0001 g and transferred to tared 70 mL snap cap vials. A 3 mL aliquot of HNO was 3 added and the vials were placed in a 95 C digestion block for a total of approximately 6 hr. During this time, the vials were periodically removed from the block and swirled to mix. After this period, the vials were removed from the block and allowed to cool before 2 mL of concentrated HF was added. The vials were then returned to the block for approximately 2 hr. After cooling, 15 mL of 4 boric acid were added and the vials returned to the block for another 1 to 2 hr. After the samples were allowed to cool, the content of the vials were mixed by shaking, and the vials weighed to 0. 01 g to determine the total solution weight. Digest solutions were then transferred to labeled 1 oz polyethylene bottles. Solution density was determined by weighing known volumes with calibrated Eppendorf pipettes in order to determine solution volume. For analysis of Hg, sediment samples were digested using a modified version of EPA method 245. 5. Approximately 0. 1 to 1. 0 g (dry weight) of sample was weighed into a 70 mL snap cap vial. Concentrated H SO (2. 5 mL) and 1. 5 mL of concentrated HNO were 3 2 4...



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