



Determination of Nitrites, Nitrates, and Their Mixtures Using Flow Injection Analysis with Spectrophotometric Detection

M. Brabcová , P. Rychlovský & I. Němcová

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Analysis of Nitrate-nitrite Mixtures ; Experiments Concerning the Reduction of Nitrate to Nitrite Gerardine Meerman, 1960 **Nuclear Science Abstracts**, 1968 NSA is a comprehensive collection of international nuclear science and technology literature for the period 1948 through 1976 pre dating the prestigious INIS database which began in 1970 NSA existed as a printed product Volumes 1-33 initially created by DOE's predecessor the U S Atomic Energy Commission AEC NSA includes citations to scientific and technical reports from the AEC the U S Energy Research and Development Administration and its contractors plus other agencies and international organizations universities and industrial and research organizations References to books conference proceedings papers patents dissertations engineering drawings and journal articles from worldwide sources are also included Abstracts and full text are provided if available **The**

Spectrophotometric Determination of Nitrate in Water Using 2-nitroso-1-naphthol-4-sulfonic Acid Albert Leroy Caskey, Frank N. Abercrombie, 1966

Spectrophotometric Study of the Ternary System, Aluminum Nitrate-nitric Acid-water Robert W. Henry, Glenn L. Booman, 1959 *New Methods of Nitrite and Nitrate Analysis for Natural Waters* Patrick John Canney, 1973 *Master Analytical Manual* Oak Ridge National Laboratory. Analytical Chemistry Division, 1958

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A Raman Spectrophotometric Study of Ion-pairing in Aqueous Zinc Nitrate Systems Ann T. Lemley, 1971

The Spectrophotometric Determination of Nitrate in Natural Waters, with Particular Reference to Sea-water J. B. Mullin, J. P. Riley, 1955 Nitrate can be reduced to nitrite in good yield by means of hydrazine in alkaline solution the reaction is promoted by catalytic quantities of copper The authors have established the optimum conditions for the reduction and applied the method to the determination of nitrate in fresh waters and in sea waters The nitrite formed is determined by Mellon and Rider's modification of the Griess-Ilosvay procedure The reduction with hydrazine is carried out in the presence of 0.25 ppm of copper at pH 9.6 in a solution buffered with sodium phenate It is complete within 24 hours at room temperature The method will detect ca 0.3 microg NO₃-N/l and gives a standard deviation of ca 2% in the range 20-600 microg NO₃-N/l Up to 60 determinations can be made per 6 hour working period The interference of nitrite has been investigated Ammonium salts urea and amino acids do not interfere at the concentrations at which they occur in sea water It is preferable to analyse samples immediately after collection but if this is not possible they should be filtered sterilized with 2 ppm of mercuric chloride and stored in glass containers *Methods of Soil Analysis: Microbiological and biochemical properties*, 1982

Nitrates, Nitrites, and Health Barbara S. Deeb, Kenneth W. Sloan, 1975 *Spectrophotometric Analysis of Nitrite Ion* James Willard King, 1971 *Methods of Soil Analysis: Chemical and microbiological properties* Albert Lee Page, 1982 The latest installment in the well received *Methods of Soil Analysis* series *Methods of Soil Analysis Part 5 Mineralogical Methods* presents valuable techniques that will enable researchers to analyze mineralogy for a wide variety of applications An understanding of mineralogical composition provides crucial insight into the fundamental behavior of soils and their response to environmental conditions and management Highlights include extensive coverage of new techniques such as X-ray absorption and diffuse reflectance spectroscopy and updated chapters on thermal analysis and selective dissolution methodologies Each chapter provides the basic principles of the method guides the reader through the method itself and finally assists in the interpretation and analysis of results collected

The Analyst, 1923 Vols for 1877 include *Proceedings of the Society for Analytical Chemistry* *INIS Atomindex*, 1982

Absorption Spectrophotometry and Its Applications Oswald James Walker, 1939 *Colorimetric Determination of Nonmetals* David Ferdinand Boltz, James A. Howell, 1978

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