



Laboratory Experiments in Environmental Chemistry

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Prentice Hall, 1999. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: I. FUNDAMENTALS FOR STUDIES OF ENVIRONMENTAL CHEMISTRY. Introduction to Laboratory Work. Experiment 1. Statistical Treatment of Raw Data and Properties of Natural Waters. Experiment 2. Collection and Preservation of Water and Sediment Samples: Inorganic and Organic Profiles of Soil and Sediment Cores. II. INORGANIC CHEMICAL PROPERTIES OF NATURAL WATERS AND WASTEWATERS. Experiment 3. The pH and Buffer Capacity of Environmental Waters. Experiment 4. Alkalinity of Streams and Lakes. Experiment 5. Use of Ion-Selective Electrodes to Determine Trace Levels of Ions in Natural Waters. Experiment 6. Conductivity of Various Waters. Experiment 7. Determination of Chloride Ion in Natural Waters: A Comparison of Methods. Experiment 8. Determination of the Hardness of Natural Waters: A: Conventional EDTA Complexometric Titration. B: Commercial Test Kit Determination. Experiment 9. Spectrophotometry, Colorimetry and Absorption Spectra: Determining Iron and Manganese in Natural Waters and Sediments. Experiment 10. Determination of Trace Amounts of Metals by Atomic Absorption Spectrometry. Experiment 11. Removal of Chromium (VI) from Wastewater at the Part-Per-Million Level. Experiment 12. Solubility of Oxygen in Pure and Natural Waters and Its Dependence on Temperature and Salinity. Experiment 13. Spectrophotometric Determination of...



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