

CONTENTS**PART ONE: GENERAL PROBLEMS**

Chapter	I. METHODS OF INVESTIGATION	9
Chapter	II. SOLUBILIZATION OF SAMPLES. EXTRACTION OF TRACE ELEMENTS AND OLIGO-ELEMENTS	36
Chapter	III. SEPARATION OF TRACE ELEMENTS BY MEANS OF ORGANIC COMPLEXES	52
Chapter	IV. ELECTROCHEMICAL SEPARATION OF TRACE ELEMENTS	72
Chapter	V. SEPARATION OF TRACE ELEMENTS BY ION EXCHANGE AND CHROMATOGRAPHY	81

**PART TWO: ANALYSIS BY ABSORPTION SPECTROPHOTOMETRY AND
COLORIMETRY**

Chapter	VI. DETERMINATION OF TRACE ELEMENTS BY ABSORPTION SPECTROPHOTOMETRY. GENERAL CONCEPTS	101
Chapter	VII. SPECTROPHOTOMETRIC DETERMINATIONS	114
Chapter	VIII. SPECTROPHOTOMETRIC DETERMINATION	126
Chapter	IX. SPECTROPHOTOMETRIC DETERMINATION	147
Chapter	X. SPECTROPHOTOMETRIC DETERMINATION	177

PART THREE: EMISSION SPECTROSCOPIC ANALYSIS

Chapter	XI. SPECTROGRAPHIC ANALYSIS. THEORY. APPARATUS. METHOD	213
Chapter	XII. PHOTOMETRIC MEASUREMENT OF SPECTRAL LINES	238
Chapter	XIII. ANALYSIS OF TRACE ELEMENTS BY FLAME SPECTROGRAPHY AND SPECTROMETRY	255
Chapter	XIV. QUALITATIVE AND SEMIQUANTITATIVE SPECTROGRAPHIC ANALYSIS	291
Chapter	XV. QUANTITATIVE ANALYSIS BY ARC SPECTROGRAPHY	311

Chapter XVI. APPLICATIONS OF THE QUANTITATIVE ANALYSIS OF TRACE ELEMENTS BY ARC SPECTROGRAPHY	335
Chapter XVII. QUANTITATIVE ANALYSIS OF TRACE ELEMENTS BY SPARK SPECTROGRAPHY	355
Chapter XVIII. DIRECT READING SPECTRAL ANALYSIS	372
 PART FOUR: POLAROGRAPHIC ANALYSIS	
Chapter XIX. POLAROGRAPHIC METHOD OF ANALYSIS	391
Chapter XX. POLAROGRAPHIC ANALYSIS	416
Chapter XXI. POLAROGRAPHIC ANALYSIS	434
Chapter XXII. POLAROGRAPHIC ANALYSIS	459
 PART FIVE OTHER INSTRUMENTAL METHODS OF ANALYSIS	
Chapter XXIII. FLUORESCENCE SPECTROMETRY. X-RAY SPECTROMETRY. RADIOACTIVE AND ISOTOPIC METHODS	490