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this blended solution offers a streamlined textbook for greater accessibility and convenience complemented by a bolstered online presence for a truly multi faceted learning experience skoog and west s fundamentals of analytical chemistry provides a thorough background in the chemical principles that are particularly important to analytical chemistry students using this book will develop an appreciation for the difficult task of judging the accuracy and precision of experimental data and to show how these judgements can be sharpened by applying statistical methods to analytical data the book introduces a broad range of modern and classic techniques that are useful in analytical chemistry as well as giving students the skills necessary for both obtaining data in the laboratory and solving quantitative analytical problems this new edition contains updated material on biomedical applications and features e g point of care and immunoassays and the reduction of excess material it also 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des considérations théoriques et pratiques la dernière partie comprend quatre chapitres traitant des procédures relatives à l analyse d échantillons réels les nouveautés de la 2e édition cette nouvelle édition présente les particularités suivantes l introduction tout au long de l ouvrage d outils informatiques actuels pour le traitement de données une interview d une personnalité scientifique reconnue au début de chaque partie de nombreuses applications dans des domaines tels que la biologie la médecine la science des matériaux l écologie ou encore la criminalistique de nombreuses illustrations telles que photographies et modèles moléculaires des outils pédagogiques les exemples numériques les notes en marge le glossaire le grand nombre de questions et de problèmes ainsi que les recherches sur internet sont des outils pédagogiques puissants mis à la disposition des étudiants ed principles of instrumental analysis places an emphasis on the theoretical basis of each type of instrument 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separation methods miscellaneous methods

Fundamentals of Analytical Chemistry 1996

1 introduction 1 2 errors in chemical analyses 11 3 random errors in analyses 21 4 application of statistics to data treatment and evaluation 47 5 gravimetric methods of analysis 71 6 titrimetric methods of analysis 100 7 aqueous solution chemistry 122 8 effects of electrolytes on ionic equilibria 148 9 application of equilibrium calculations to complex systems 159 10 theory of neutralization titrations 189 11 titration curves for complex acid base systems 224 12 applications of neutralization titrations 248 13 precipitation titrimetry 266 14 complex formation titrations 278 15 an introduction to electrochemistry 303 16 applications of standard electrode potentials 330 17 applications of oxidation reduction titrations 360 18 theory of potentiometry 386 19 applications of potentiometry 412 20 electrogravimetric and coulometric methods 431 21 voltammetry 460 22 an introduction to spectrochemical methods 497 23 instruments for optical spectrometry 527 24 molecular absorption spectroscopy 557 25 molecular fluorescence spectroscopy 601 26 atomic spectroscopy based on ultraviolet and visible radiation 611 27 kinetic methods of analysis 637 28 an introduction to chromatographic methods 660 29 gas liquid chromatography 686 30 high performance liquid chromatography 701 31 the analysis of real samples 725 32 preparing samples for analysis 736 33 decomposing and dissolving the sample 749 34 eliminating interferences 760 35 the chemicals apparatus and unit operations of analytical chemistry 778 36 selected methods of analysis 812

Analytical Chemistry 1994

this cengage technology edition is the result of an innovative and collaborative development process the textbook retains the hallmark approach of this respected text whilst presenting the content in a print and digital hybrid that has been tailored to meet the rapidly developing demands of today s lecturers and students this blended solution offers a streamlined textbook for greater accessibility and convenience complemented by a bolstered online presence for a truly multi faceted learning experience skoog and west s fundamentals of analytical chemistry provides a thorough background in the chemical principles that are particularly important to analytical chemistry students using this book will develop an appreciation for the difficult task of judging the accuracy and precision of experimental data and to show how these judgements can be sharpened by applying statistical methods to analytical data the book introduces a broad range of modern and classic techniques that are useful in analytical chemistry as well as giving students the skills necessary for both obtaining data in the laboratory and solving quantitative analytical problems

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Chimie analytique 2015-06-19

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Principles of Instrumental Analysis 1971

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Instructor's Manual to Company 1990

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