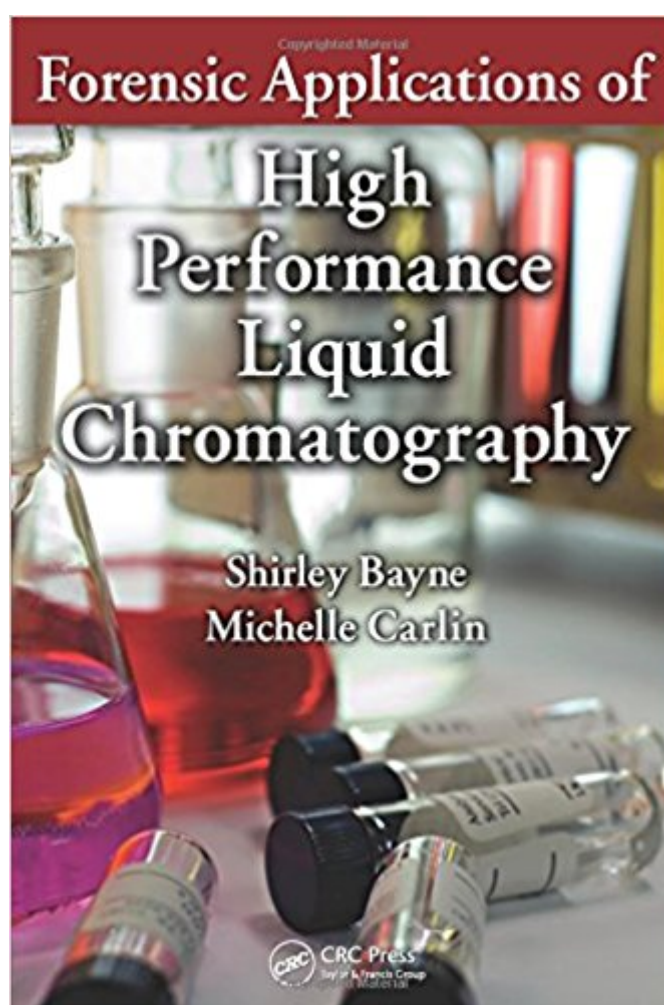The book was found

Forensic Applications Of High Performance Liquid Chromatography (Analytical Concepts In Forensic Chemistry)

Synopsis

Chromatography has many roles in forensic science, ranging from toxicology to environmental analysis. In particular, high-performance liquid chromatography (HPLC) is a primary method of analysis in many types of laboratories. Maintaining a balance between practical solutions and the theoretical considerations involved in HPLC analysis, Forensic Applications of High Performance Liquid Chromatography uses real-life examples likely to be found within a forensic science laboratory to explain HPLC from a forensic perspective. Focusing chiefly on the reverse phase HPLC mode of separation, this volume examines: The history of HPLC and the theory behind the separation process The requirements for successful analysis and best practice tips The modes of separation and detection most appropriate for forensic science applications HPLC method development and evaluation The quality aspects of laboratory operation Troubleshooting HPLC systems and analyses Applications of HPLC within the field of forensic science   Designed as a textbook for university students studying analytical chemistry, applied chemistry, forensic chemistry, or other courses with an element of HPLC within the course curriculum, this volume is also an invaluable guide for those in the early stages of their forensic analysis careers. An instructorÃ¢ ¬â„¢s manual with lecture slides, test bank, objectives, and exercises is available with qualifying course adoption

Book Information

Series: Analytical Concepts in Forensic Chemistry (Book 1)

Paperback: 276 pages

Publisher: CRC Press; 1 edition (January 17, 2010)

Language: English

ISBN-10: 1420091913

ISBN-13: 978-1420091915

Product Dimensions: 6.1 x 0.6 x 9.2 inches

Shipping Weight: 14.4 ounces (View shipping rates and policies)

Average Customer Review: 5.0 out of 5 stars   1 customer review

Best Sellers Rank: #4,622,467 in Books (See Top 100 in Books)   #90 inÃ Â Books > Science & Math > Chemistry > Chromatography   #1572 inÃ Â Books > Science & Math > Chemistry > Analytic   #2857 inÃ Â Books > Law > Criminal Law > Forensic Science

Customer Reviews

I showed this book to many of my students and asked them to read it and they told me that they

could understand the concepts of HPLC properly for the first time from this book. Even a number of my own concepts were clarified a great deal. Ã¢â ¬Â| This is the first book to the best of my knowledge specifically dealing with the forensic applications of HPLC, and a very good one at that. Highly recommended for all forensic scientists and chemists, especially those who are working in separation science.Ã¢â ¬â ¢ Anil Aggrawal writing in Anil Aggrawal's Internet Journal of Forensic Medicine and Toxicology"Ã¢â ¬Â| easy to read and lively enough to engage students and keep their interest."Ã¢â ¬â ¢ C. F. Poole, Wayne State University, in Chromatographia"The book chapters maintain a balance between theoretical considerations and examples and practical solutions. Ã¢â ¬Â| designed as a textbook for university students studying analytical chemistry, applied chemistry, forensic chemistry, or other courses with an element of HPLC within the course curriculum, this volume is an invaluable guide for those in the early stages of their forensic analysis careers."Ã¢â ¬â ¢International Journal of Environmental Analytical Chemistry

Shirley Bayne is a senior lecturer and course leader in forensic science at Teesside University. Michelle Carlin is a junior lecturer at Northumbria University in forensic chemistry where she carries out research in analytical toxicology.

Fantastic book.The title is a little bit misleading, it is not forensic scienceIt contains everything about LC from theory to components and includes brief introduction on sample preparation.Recommend it for anyone who would like to understand basic LC

Forensic Applications of High Performance Liquid Chromatography (Analytical Concepts in Forensic Chemistry) Forensic Applications of Gas Chromatography (Analytical Concepts in Forensic Chemistry) Pulsed Electrochemical Detection in High-Performance Liquid Chromatography (Techniques in Analytical Chemistry) High-Speed Countercurrent Chromatography (Chemical Analysis: A Series of Monographs on Analytical Chemistry and Its Applications) CHROMATOGRAPHY OF ALKALOIDS, PART A, Volume 23A: THIN-LAYER CHROMATOGRAPHY (Journal of Chromatography Library) E-Juice Recipes: Shake and Vape E-Liquid Recipes For Your Electronic Cigarette, E-Hookah G-Pen: Quick and tasty E-liquid recipes that you can enjoy today. ... E-liquid recipes for DIY E-juicers. Book 3) Practical High-Performance Liquid Chromatography High Performance Liquid Chromatography: Fundamental Principles and Practice High Performance Liquid Chromatography in Phytochemical Analysis (Chromatographic Science Series) Chromatographic Fingerprint Analysis of Herbal Medicines: Thin-layer and High

Performance Liquid Chromatography of Chinese Drugs The Analytical Chemistry of Cannabis: Quality Assessment, Assurance, and Regulation of Medicinal Marijuana and Cannabinoid Preparations (Emerging Issues in Analytical Chemistry) Beginners Guide to UPLC: Ultra-Performance Liquid Chromatography (Waters Series) Ion Chromatography (Modern Analytical Chemistry) Basic Gas Chromatography (Techniques in Analytical Chemistry) Gas Chromatography: Analytical Chemistry by Open Learning High Fiber Recipes: 101 Quick and Easy High Fiber Recipes for Breakfast, Snacks, Side Dishes, Dinner and Dessert (high fiber cookbook, high fiber diet, high fiber recipes, high fiber cooking) Study Guide: Ace Organic Chemistry I - The EASY Guide to Ace Organic Chemistry I: (Organic Chemistry Study Guide, Organic Chemistry Review, Concepts, Reaction Mechanisms and Summaries) Gas Chromatography and 2D-Gas Chromatography for Petroleum Industry: The Race for Selectivity Beginners Guide to Liquid Chromatography (Waters Series) Mathematical Modeling and Scale-Up of Liquid Chromatography: With Application Examples