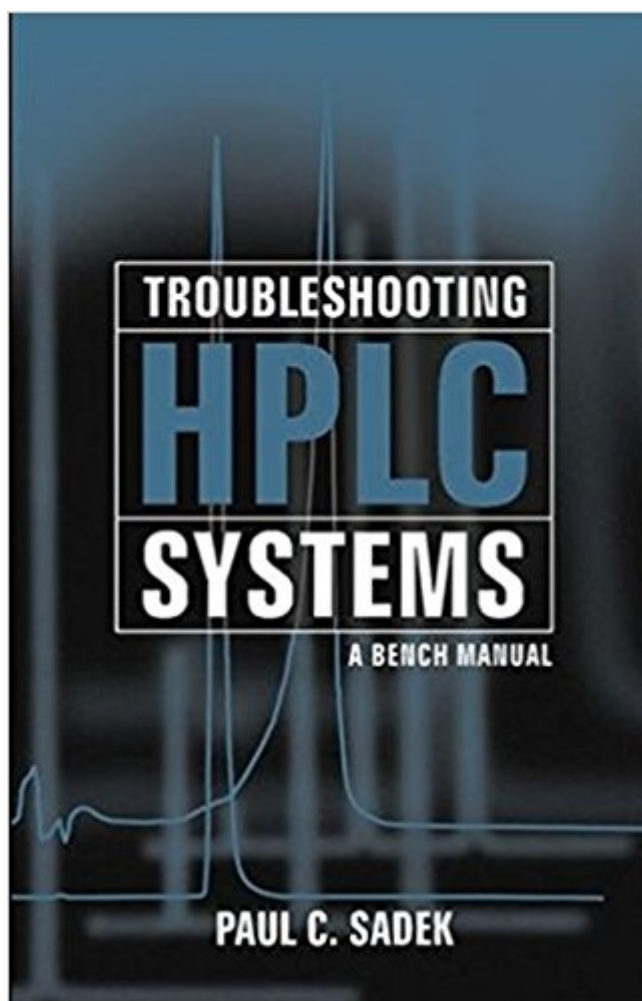


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Troubleshooting HPLC Systems: A Bench Manual



Synopsis

A complete, up-to-date guide to the use, maintenance, and troubleshooting of HPLC systems. The last twenty-five years have seen a dramatic rise in the use of High Performance Liquid Chromatography (HPLC) in laboratories worldwide. *Troubleshooting HPLC Systems* provides analysts as well as laboratory technicians and managers with a readily accessible and immensely useful guide to the new generation of HPLC equipment and techniques. With an emphasis on effective troubleshooting of HPLC systems, this lab companion covers system configuration and functions, problem-solving procedures, maintenance, and HPLC basics. It then walks chromatographers investigating the source of a malfunction through each system component—from solvents and reservoirs to sample preparation to columns and detectors. Special features of *Troubleshooting HPLC Systems* include:

- * A detailed review of HPLC instrumentation and accessories
- * The role of operating parameters as indicators of system performance
- * Step-by-step troubleshooting protocols for each system component
- * How to set up a preventive maintenance program for HPLC systems
- * An overview of the categories of HPLC separations
- * A compilation of HPLC terms and definitions
- * Tables and charts detailing solvents' properties

Book Information

Spiral-bound: 320 pages

Publisher: Wiley-Interscience (October 19, 1999)

Language: English

ISBN-10: 0471178349

ISBN-13: 978-0471178347

Product Dimensions: 6.4 x 0.6 x 9.2 inches

Shipping Weight: 1 pounds

Average Customer Review: 5.0 out of 5 stars 2 customer reviews

Best Sellers Rank: #3,801,593 in Books (See Top 100 in Books) #69 in [Books > Science & Math > Chemistry > Chromatography](#) #1189 in [Books > Science & Math > Chemistry > Analytic](#) #3142 in [Books > Medical Books > Medicine > Internal Medicine > Pathology > Clinical Chemistry](#)

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"...highly recommended for daily use in the laboratory and as a bench top manual."

(*Chromatographia*, July 2000) "...an invaluable resource..." (*Trends in Analytical Chemistry*, 19th November 2000)

A complete, up-to-date guide to the use, maintenance, and troubleshooting of HPLC systems. The last twenty-five years have seen a dramatic rise in the use of High Performance Liquid Chromatography (HPLC) in laboratories worldwide. Troubleshooting HPLC Systems provides analysts as well as laboratory technicians and managers with a readily accessible and immensely useful guide to the new generation of HPLC equipment and techniques. With an emphasis on effective troubleshooting of HPLC systems, this lab companion covers system configuration and functions, problem-solving procedures, maintenance, and HPLC basics. It then walks chromatographers investigating the source of a malfunction through each system component—from solvents and reservoirs to sample preparation to columns and detectors. Special features of Troubleshooting HPLC Systems include: * A detailed review of HPLC instrumentation and accessories * The role of operating parameters as indicators of system performance * Step-by-step troubleshooting protocols for each system component * How to set up a preventive maintenance program for HPLC systems * An overview of the categories of HPLC separations * A compilation of HPLC terms and definitions * Tables and charts detailing solvents' properties

I HAVE BEEN USING THIS MANUAL FOR THE PAST ONE YEAR AND HALF, AND IT HAS BEEN VERY HELPFUL WITH THE TROUBLE THAT I HAVE ENCOUNTERED RUNNING MY HPLC.. THE PROBLEMS ARE APPROACHED IN A VERY COMPREHENSIBLE MANNER, THE WAY TO ELIMINATE THE SOURCE OF THE PROBLEMS VERY WELL EXPLAINED AND THE STEP BY STEP ELIMINATION OF THOSE SOURCES.. I WILL RECOMMEND THIS BOOK TO ANYBODY WHO WORKS IN THE LABORATORY WITH AN HPLC

I thought that this was an excellent book. It provided lots of the practical kind of details that I was looking for. This book is great for someone who has either limited or no experience in HPLC. It would also work as a refresher, for someone who has been out of the field for some time.

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