

Calibration & Validation Group
2-3415 Dixie Rd., Suite 402
Mississauga, Ontario
Canada, L4Y 4J6

REGISTRATION FORM

Name _____
Address _____

Phone _____ Fax _____
e-mail _____
Method of Payment: Cheques only _____
Signature _____

Sign up as:	Price
<input type="checkbox"/> CVG Member	\$800.00
<input type="checkbox"/> Non-Member	\$900.00
<input type="checkbox"/> I would like to become a CVG Member	Total: \$30.00

Advanced HPLC Method Development will
be held on:

April 26-27 2004
Ramada Hotel Toronto Airport
2 Holiday Drive
Toronto, Ontario M9C 2Z7
(Phone 416-621-2121)

Registration: 8:00am-8:30am
Course: 8:30am-5:00pm

Registration fee includes two-day course,
reference materials, continental breakfast,
lunch and refreshments

**Register early as we are limiting the
number of registrations to increase
interaction with the lecturer**

CVG Member	\$800.00
Non-Member	\$900.00

Registration Deadline: March 31 2004

Mail registration form and fee payable to:

Calibration & Validation Group
2-3415 Dixie Road, Suite 402
Mississauga, Ontario
Canada, L4Y 4J6
Attention: Chung Chow Chan

To register personally or on-line, contact us
at:

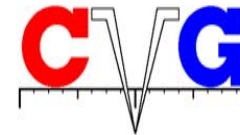
Phone: 416-693-3724 (Chung Chow Chan)
Website: www.cvg.ca
e-mail: chung_chow_chan@cvg.ca

Instructor

This two-day workshop has been
developed by Dr. Lloyd Snyder, the
world-renowned HPLC pioneer
teacher and author.

Tom Jupille has been a practicing
chromatographer for more than 30
years, during which he has written
more than 30 papers on
chromatography and related subjects.
He worked primarily in gas
chromatography in the late '60s,
switching to thin-layer
chromatography in the early '70s and
then to HPLC and ion
chromatography in late '70s. His
career has focused on instrument and
column development and user
support, providing a broad foundation
of practical experience to call on as
an instructor.

Over the past 18 years, Tom Jupille
has presented courses and seminars in
the field of chromatography to more
than 3000 students. In addition to
teaching, he has been involved in the
development and support of computer
modeling techniques for
chromatography method
development. He is President of LC
Resources, a Consulting Editor for
LC/GC and Associate Director of the
California Separation Science
Society.

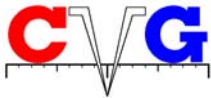


ADVANCED HPLC METHOD DEVELOPMENT

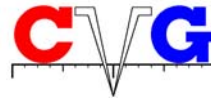
Tom Jupille



April 26-27 2004
8:00am - 5:00pm
Ramada Hotel Toronto Airport



ADVANCED HPLC METHOD DEVELOPMENT



ADVANCED HPLC METHOD DEVELOPMENT

Goals and Objectives

The purpose of this course is to teach you how recent developments in HPLC, combined with proven logic, provide the basis for a powerful new approach to systematic method development. The power of computer modeling will allow each participant to test the principles covered in the course on a series of real-world problems.

Program

Who Should Attend

This is not a course for beginners. Each attendee should have at least one year of HPLC practical experience in HPLC laboratory and preferably have been involved in developing new methods or troubleshooting older ones.

This course is for chromatographers who want to develop better methods faster and less expensively ... and for those who want to know how to do the best possible chromatography.

PROGRAM

Learn the modern approach to method development

- Develop your objectives clearly. For example your objective may be:

- to separate and account for all impurities at 0.1% level, or
- to develop rugged and precise methods
- to have methods validated and accepted by

- Apply the best approach to separating mixtures that contain acids, bases, or isomers or to the sep-

- Take advantage of recent improvements in column technology to assist you in your method development

Learn how to develop a satisfactory method

- Learn how to develop rugged methods that have superior separation repeatability.

- Design system suitability checks and validation

- Understand the factors controlling method precision.

Improve your troubleshooting skills

- Develop improved problem-solving techniques based on this logical approach to method development

COURSE OUTLINE

Day 1

Registration/continental breakfast

Introduction

Introduction to HPLC Method Development

Review of Separation Basics

Workshop: Varying %B and Column Conditions

Lunch

New Column Developments

Reversed-Phase HPLC for Neutral Samples

Workshop: Effects of Solvent Type on Separation

Workshop: Mixing Solvents

Reversed-phase HPLC of Ionic Samples

Workshop: Optimizing pH and %B for a Mixture of Acids and Bases

COURSE OUTLINE

Day 2

Continental breakfast

Ion-Pair HPLC

Workshop: Ion-Pair Chromatography Gradient Elution

Workshop: Gradient Elution

Lunch

Experimental Aspects of Gradient Elution

Dealing with Special Samples

Improving Precision, Method Validation, System Suitability

Discussion of student problems