

# Data Analysis Skills for Chromatographers

**A ONE-DAY TUTORIAL**

## ***Is your lab:***

Spending too much time trying to process HPLC data?

Struggling with peak integration in chromatography?

Having problems understanding why some calibration curves produce poor results?

Not sure how to interpret bad analytical results?

## ***Did you know:***

You are not alone. A better understanding of this process can significantly reduce the time required to report results.

Again, you are not alone. Few labs really understand how to properly integrate peaks because no one ever trained them.

Some simple guidelines can help you get started by evaluating when you have a good curve, and when you don't.

There are simple ways to understand what might be causing the problem.

**In this intensive one day session we can help you understand all of these issues, and more, by:**

- **Helping you efficiently use your current software for peak integration, and**
- **Providing guidance for how to review calibration information.**

# Data Analysis Skills for Chromatographers

## Outline

- Getting Started with Data Analysis
  - What Are My Goals?
  - How to Read a Chromatogram
- Initial Data Processing – Integration
  - How do integration programs work?
  - How should I integrate poorly resolved peaks?
    - Integration baseline options
    - Integration errors can be large if you make the wrong choice
    - General recommendations
  - Dealing with complex patterns
- Data Processing – Calibration
  - Why Do We Calibrate?
  - Calibration Basics and Options
  - How Do I Evaluate My Calibration Curve?
  - Real-world Data Sets
  - Troubleshooting Results Problems

## Benefits:

- Understand how integrators work.
- Learn how to properly integrate poorly resolved peaks.
- Gain a better understanding of calibration curves and how to evaluate them.
- Learn valuable tips and tricks to keep your lab working more efficiently.

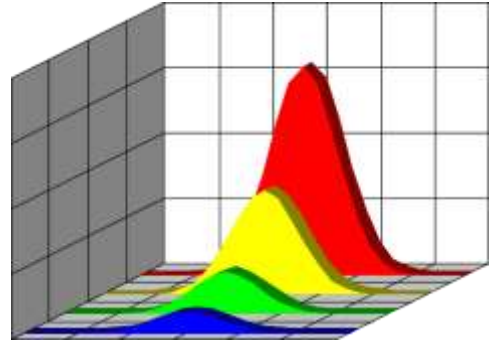
## Who should attend?

- New and intermediate level analysts.
- Chromatography data reviewers.

## Details

Each private seminar provides you with:

- Options for live on-site or remote as two four-hour sessions
- A live expert instructor and time for questions and discussion
- Electronic copy of course notes (pdf format)
- Additional customized consulting and discussion can also be arranged.



## Pricing

Pricing is based on the number of registered students and whether the presentation is on-site or remote. Please contact us for a specific quote.  
[Discounts are available for groups of 6+.]

- PO required to schedule event.
- Payment terms Net 30
- Discounts for multiple sessions are available

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*“Good training is your best lab instrument.”*