



## Applied Gas Chromatography Training

### Description

#### Objectives:

- Understanding Resolution (Separation) in GC
- Fast GC – How to reduce you analysis time by 50% to 90%
- Method Development – How to develop a method from scratch
- GC/MS
- Headspace GC
- Troubleshooting from the chromatogram – separation conditions
- Troubleshooting GC Hardware

#### After the training the Participants will be able to :

- Master the fundamentals of GC
- Apply those fundamentals to develop, improve and troubleshoot GC analyses
- Be able to develop GC methods from scratch
- Learn specialized techniques based on your specific interests

#### The Outlines

- Introduction to GC
- Inlet Systems
- Resolution
- GC Theory
- Capillary Columns
- Detectors
- GC/MS
- Electronic Pressure Control
- Quantitative Analysis
- Method Development / Temperature Programming
- Headspace GC
- Troubleshooting from Real Chromatograms

- Troubleshooting Exercise

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