



It's time
to demystify
pyrolysis!

Register today!

QUANTUM ANALYTICS SEMINAR SERIES

Extend the Limits of Material Characterization with Pyrolysis GC/MS

Tuesday, July 30 or Wednesday, July 31

It's time to demystify pyrolysis. Whether you are identifying materials for trouble-shooting, raw material screening, competitive analysis, research, and development, or quality control, discover the power and versatility of modern multi-mode pyrolyzers. When paired with an Agilent GC/MS, the Frontier pyrolysis system can take your material characterization to new levels!

Quantum Analytics and Frontier Laboratories are excited to host a seminar at Agilent Technology's Center of Excellence in Little Falls, DE on extending the limits of material characterization with pyrolysis-GC/MS. This technique is applied to just about every industry imaginable: polymers, additives, inks, paints and coatings, paper, adhesives, elastomers, shale rocks, and even biomass. Imagine being able to characterize virtually any organic material with little to no sample preparation. With the Frontier pyrolysis instrument, you extend the limits of material characterization in your lab.



Reserve your spot today!
go.lqa.com/frontier-littlefalls

Location:

Agilent Technologies
2850 Centerville Road
Wilmington, DE 19808

Presented by the following industry professionals:



Rojin Belganeh
Technical Director
Frontier Laboratories North America



Chuck Renner
National Sales Director
Quantum Analytics



Terry Ramus, Ph.D.
Application Scientist
Diablo Analytical, Inc.





Reasons to Attend...

- 1) Learn how Pyrolysis GC/MS technique can be used for reverse engineering, material characterization, failure analysis for supply chain, and comparative analysis.
- 2) Discover capabilities of the Multi-Mode Micro-Furnace design pyrolyzer and its modes of operations for varies applications.
- 3) Learn how PY-GC/MS can be applied to QC and research projects while increasing laboratory efficiency by eliminating sample pretreatment and the “traditional” solvent-based techniques.
- 4) Get the opportunity to work with the Py-GC/MS system in the lab by running samples and analyzing the data using the F-Search interpretation libraries.



Two Days Available: Tuesday, July 30 or Wednesday, July 31

Time		Agenda
08:30	09:00	Seminar Check-In / Coffee & Light Breakfast / Networking
09:00	10:00	Welcome & Introduction to PY-GC/MS Technique
10:00	10:30	Analysis, Characterization and Deformulation of Apparently Similar Rubber Parts Using Multiple Modes of Pyrolysis GC/MS
10:30	10:45	Break & Networking
10:45	11:00	ASTM D7823-18: The Analysis of Regulated Phthalates in a Complex Matrix Using Thermal Desorption-GC/MS Method
11:00	12:00	Hands-On Lab Session: System Configuration & Sample Run (In Lab)
12:00	12:45	Lunch
12:45	01:05	Styrene-Butadiene Rubber (SBR) & Irganox Analysis in Polyethylene
01:05	01:30	Failure Analysis of Rubber Seals Using Pyrolysis Gas-Chromatography/Mass Spectrometry-Nitrogen Phosphorus Detector (PY-GC/MS/NPD)
01:30	03:30	Introduction to F-Search Libraries Hands-On Data Interpretation Workshop Using F-Search Libraries



Reserve your spot today! go.lqa.com/frontier-littlefalls