



Micro & Fast Gas Chromatography Session

Moderator: John Crandall
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Ivy 2

Session Agenda

- Micro and Fast vs. Traditional Gas Chromatography: End User Perspectives
- Not Just Simulated Distillation - Not Just a Transportable: Diverse Applications for Fast Gas Chromatography
- Recent Advancements in Upstream Hydrocarbon Characterizations Using Novel Fast Gas Chromatography Systems
- Establishing an ASTM Standard for Ultra Fast Gas Chromatography (UF GC) Focused on Boiling Range Distribution of Petroleum Distillates with Final Boiling Points up to 535 C
- Use of Fast Gas Chromatographic and Chemometric Technologies for Hydrocarbon Characterizations from Exploration Activities to the Refinery Floor and Beyond
- Recent Advances in Transportable Fast Gas Chromatography: Three Related Applications in Industrial Environmental Field Monitoring
- Useful Applications of Smart micro Gas Chromatography with the NeSSI Platform
- Instrument Maintenance in the Fast Chromatography World
- Resistance to Change – Is It Really Safer or Just an Impediment to Improvement?
A Round Table Discussion

Micro and Fast
vs.
Traditional Gas Chromatography:
End User Perspectives

Session Leaders

Adam Coderre, Clearstone Engineering

Dr. Carl Rechsteiner, Chevron Corporation

Wayne Kriel, SGS Upstream Services



Session Abstract

- About 30,000 gas chromatographs are sold annually
 - Laboratories
 - Processing plants
 - Transportable systems
- Estimates vary
 - Only about 1/30th of the units sold are classified micro and fast
 - Even though the technology was introduced in the early 1980s
- Recent user/supplier collaboration
 - Advanced the capability to the point of rivaling the big GCs in many ***production*** analytical environments
 - Plant support laboratories
 - Online and at line process control
 - Field environmental and
 - Exploration & production platforms.
 - The discussion leaders will share their perspectives on the technology and what drives them to use micro and fast gas chromatography.

Resistance to Change – Is It Really Safer or Just an Impediment to Improvement?

A Round Table Discussion

Led by

Adam Coderre, Clearstone Engineering

Dr. Carl Rechsteiner, Chevron Corporation

Wayne Kriel, SGS Upstream Services

Session Abstract

- Regardless of the industry, regardless of the role (customer or supplier) change occurs at glacial speeds.
- While all companies have early adopters, commercial roll out of anything new to their corporate masses takes too long.
- Why?
- Is it really safer to do the same old thing at the expense of improvements in operational profitability?