Micro & Fast Gas Chromatography Session

Moderator: John Crandall

Gulf Coast Conference 2012

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?