



Edmonton -Petro Seminar - 5/6/14

Proposed Topics:

INTRODUCTIONS

New Developments in the Application of Fourier Transform Infrared (FT-IR) and Near-Infrared (FT-NIR) Instrumentation in the Oil and Energy Sectors

Utility of TD-NMR for Oilsand and Petroleum Processes

Unconventional Oil Analysis By Gas Chromatography, Synthetic Crude, Bitumen & Simulated Distillation

How to Match Your Petrochemical Application with Different XRF Instruments

UP-STREAM

Mineralogical and Elemental Analysis of Horizontal Drill Cuttings Using X-Ray Diffraction and X-Ray Fluorescence Instruments

Elemental Mapping of Drill Cores in Exploration with Micro XRF and the M4 TORNADO

On-line NIR Applications in the Oil Sands Industry: Devices, Chemometrics and Practices

Unconventional High Pressure/Low Pressure Gas Analysis by Gas Chromatography; Reforming, Gasification, Natural Gas, Shale Gas, Coal Bed Methane

High Capabilities and Low Cost of Ownership of Benchtop EDX - S2 Ranger

Right Tools for the Right Job: Process and Lab Analytics in Oil Sands Exploration and Extraction.

DOWN-STREAM

High Sensitivity, Flexibility and High Throughput with WDX Instruments in Petrochemical Applications

FT-NIR in the Refinery: Blending Optimization and Gasoline Properties.

Infra Red Spectroscopy Inside-Out: Microscopy and Open Path Gas Analysis (Remote Sensing and Site Monitoring)

Rapid Analytical Methods for the Energy Sector.

High Pressure Liquids Analysis by Gas Chromatography: NGL or LPG GC. Propane's, Butanes - Direct injection high pressure liquid speciation

Our day will include a tour of the Northern Alberta Institute of Technology (NAIT) Oil Sands Applied Research Facility known as NARCOSS (NAIT Applied Research Centre for Oil Sands Sustainability)